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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : SCOTIA, NY - ANNUAL TESTING

EA ENGINEERING SCIENCE & TECHNOLOGY

269 W. Jefferson Street

Syracuse, NY - 13202

Phone No: 315-431-4610

ORDER ID : P4873

ATTENTION : Jim Hayward

Laboratory Certification ID # 20012

Table Of Contents for P4873

1) VOLATILES DATA 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 13

9) QC Data Summary For VOC-TCLVOA-10 16

- 9.1) Deuterated Monitoring Compound Summary 17
- 9.2) LCS/LCSD Summary 19
- 9.3) Method Blank Summary 27
- 9.4) GS/MS Tune Summary 30
- 9.5) Internal Standard Area and RT Summary 34

10) Sample Data 40

- 10.1) FSND-RB-4-20241114 41
- 10.2) FSND-MW-30-20241114 56
- 10.3) TB-2 72
- 10.4) FSND-MW-19-20241114 86
- 10.5) FSND-MW-32-20241114 100
- 10.6) FSND-MW-34-20241114 116
- 10.7) FSND-GEP-3-20241114 131
- 10.8) FSND-GEP-3-20241114DL 146
- 10.9) FSND-MW-28-20241114 156
- 10.10) FSND-MW-28-20241114DL 174
- 10.11) FSND-MW-29-20241114 184

11) Calibration Data Summary 202

- 11.1) Initial Calibration Data 203
  - 11.1.1) VX112124 203
- 11.2) Continued Calibration Data 574
  - 11.2.1) VX043950.D 574
  - 11.2.2) VX043975.D 634
  - 11.2.3) VX043977.D 694
  - 11.2.4) VX044002.D 754
  - 11.2.5) VX044004.D 814

11.2.6) VX044022.D 874
12) QC Sample Data 934
12.1) Tune Raw Data 935
12.2) Method Blank Data 939
12.3) LCS Data 978
12.4) LCSD Data 1143
13) Manual Integration 1198
14) Analytical Runlogs 1203
15) Standard Prep Logs 1218
16) Shipping Document 1310
16.1) Chain Of Custody 1311
16.2) Lab Certificate 1312
16.3) Internal COC 1313
16.4) 17) Not Reviewed Data 1315

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

Cover Page

Order ID : P4873

Project ID : Scotia, NY - Annual Testing

Client : EA Engineering Science & Technology

Lab Sample Number	Client Sample Number
P4873-01	FSND-RB-4-20241114
P4873-02	FSND-MW-30-20241114
P4873-03	TB-2
P4873-04	FSND-MW-19-20241114
P4873-05	FSND-MW-32-20241114
P4873-06	FSND-MW-34-20241114
P4873-07	FSND-GEP-3-20241114
P4873-08	FSND-MW-28-20241114
P4873-09	FSND-MW-29-20241114

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

Signature : _____

Date: 11/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

EA Engineering Science & Technology
Project Name: Scotia, NY - Annual Testing
Project # N/A
Chemtech Project # P4873
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
9 Water samples were received on 11/15/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Gases, TOC and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for Bromoform this compound is passing on Quadratic Regression.

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

Samples FSND-GEP-3-20241114, FSND-MW-28-20241114 were diluted due to high concentrations.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
The not QT review data is reported in the Miscellaneous.

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

The Sample #FSND-MW-34-20241114 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

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

Signature_____

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

CHEMTECH PROJECT NUMBER: P4873 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for Bromoform this compound is passing on Quadratic Regression. The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
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 FSND-GEP-3-20241114, FSND-MW-28-20241114 were diluted due to high concentrations.

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

The not QT review data is reported in the Miscellaneous.

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

NA NO YES

The Sample #FSND-MW-34-20241114 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 Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4873

	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:** 11/28/2024

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

LAB CHRONICLE

OrderID:	P4873	**OrderDate:**	11/15/2024 10:19:00 AM
Client:	EA Engineering Science & Technology	**Project:**	Scotia, NY - Annual Testing
Contact:	Jim Hayward	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4873-01	**FSND-RB-4-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4873-02	**FSND-MW-30-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4873-03	**TB-2**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/22/24	
P4873-04	**FSND-MW-19-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4873-05	**FSND-MW-32-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4873-06	**FSND-MW-34-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4873-07	**FSND-GEP-3-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	
P4873-07DL	**FSND-GEP-3-20241114DL**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/26/24	
P4873-08	**FSND-MW-28-20241114**	**Water**			**11/14/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/25/24	

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

LAB CHRONICLE

P4873-08DL	**FSND-MW-28-20241114DL**	**Water**			**11/14/24**		**11/15/24**
			VOC-TCLVOA-10	8260-Low		11/26/24	
P4873-09	**FSND-MW-29-20241114**	**Water**			**11/14/24**		**11/15/24**
			VOC-TCLVOA-10	8260-Low		11/25/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4873

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**FSND-RB-4-20241114**									
P4873-01	FSND-RB-4-20241	Water	Acetone		9.90		1.40	3.80	5.00	ug/L
P4873-01	FSND-RB-4-20241	Water	Methylene Chloride		0.42	J	0.32	0.50	1.00	ug/L
P4873-01	FSND-RB-4-20241	Water	Trichloroethene		0.93	J	0.32	0.75	1.00	ug/L
P4873-01	FSND-RB-4-20241	Water	Toluene		0.40	J	0.18	0.50	1.00	ug/L
			Total Voc :		11.7					
			Total Concentration:		11.7					
Client ID:	**FSND-MW-30-20241114**									
P4873-02	FSND-MW-30-202	Water	Acetone		3.20	J	1.40	3.80	5.00	ug/L
P4873-02	FSND-MW-30-202	Water	Trichloroethene		1.80		0.32	0.75	1.00	ug/L
			Total Voc :		5.00					
P4873-02	FSND-MW-30-202	Water	unknown1.636	*	5.50	J	0		0	ug/L
P4873-02	FSND-MW-30-202	Water	Butane	*	18.4	J	0		0	ug/L
P4873-02	FSND-MW-30-202	Water	Pentane	*	8.10	J	0		0	ug/L
			Total Tics :		32.0					
			Total Concentration:		37.0					
Client ID:	**TB-2**									
P4873-03	TB-2	Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
			Total Voc :		1.60					
			Total Concentration:		1.60					
Client ID:	**FSND-MW-19-20241114**									
P4873-04	FSND-MW-19-202	Water	Acetone		1.40	J	1.40	3.80	5.00	ug/L
P4873-04	FSND-MW-19-202	Water	Trichloroethene		4.90		0.32	0.75	1.00	ug/L
			Total Voc :		6.30					
			Total Concentration:		6.30					
Client ID:	**FSND-MW-32-20241114**									
P4873-05	FSND-MW-32-202	Water	Acetone		3.70	J	1.40	3.80	5.00	ug/L
P4873-05	FSND-MW-32-202	Water	cis-1,2-Dichloroethene		17.5		0.25	0.75	1.00	ug/L
P4873-05	FSND-MW-32-202	Water	Trichloroethene		47.6		0.32	0.75	1.00	ug/L
			Total Voc :		68.8					
P4873-05	FSND-MW-32-202	Water	unknown1.605	*	8.70	J	0		0	ug/L
P4873-05	FSND-MW-32-202	Water	unknown1.636	*	6.20	J	0		0	ug/L
			Total Tics :		14.9					
			Total Concentration:		83.7					
Client ID:	**FSND-MW-34-20241114**									
P4873-06	FSND-MW-34-202	Water	Acetone		2.60	J	1.40	3.80	5.00	ug/L
P4873-06	FSND-MW-34-202	Water	Trichloroethene		17.9		0.32	0.75	1.00	ug/L
			Total Voc :		20.5					
P4873-06	FSND-MW-34-202	Water	unknown1.599	*	8.20	J	0		0	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: P4873

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
			Total Tics :		8.20					
			Total Concentration:		28.7					
Client ID:	**FSND-GEP-3-20241114**									
P4873-07	FSND-GEP-3-2024	Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
P4873-07	FSND-GEP-3-2024	Water	Trichloroethene		150	E	0.32	0.75	1.00	ug/L
P4873-07	FSND-GEP-3-2024	Water	Tetrachloroethene		0.75	J	0.25	0.50	1.00	ug/L
			Total Voc :		152					
P4873-07	FSND-GEP-3-2024	Water	unknown1.593	*	7.40	J	0		0	ug/L
			Total Tics :		7.40					
			Total Concentration:		160					
Client ID:	**FSND-GEP-3-20241114DL**									
P4873-07DL	FSND-GEP-3-2024	Water	Trichloroethene		150	D	1.60	3.80	5.00	ug/L
			Total Voc :		150					
			Total Concentration:		150					
Client ID:	**FSND-MW-28-20241114**									
P4873-08	FSND-MW-28-202	Water	Acetone		3.00	J	1.40	3.80	5.00	ug/L
P4873-08	FSND-MW-28-202	Water	Methylene Chloride		0.35	J	0.32	0.50	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	trans-1,2-Dichloroethene		0.80	J	0.25	0.50	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	Chloroform		1.40		0.26	0.50	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	1,1,1-Trichloroethane		3.50		0.19	0.50	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	Trichloroethene		250	E	0.32	0.75	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	Bromodichloromethane		1.70		0.24	0.50	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	Dibromochloromethane		1.70		0.18	0.50	1.00	ug/L
P4873-08	FSND-MW-28-202	Water	Tetrachloroethene		24.4		0.25	0.50	1.00	ug/L
			Total Voc :		287					
			Total Concentration:		287					
Client ID:	**FSND-MW-28-20241114DL**									
P4873-08DL	FSND-MW-28-202	Water	Trichloroethene		230	D	3.20	7.50	10.0	ug/L
P4873-08DL	FSND-MW-28-202	Water	Tetrachloroethene		20.7	D	2.50	5.00	10.0	ug/L
			Total Voc :		251					
			Total Concentration:		251					
Client ID:	**FSND-MW-29-20241114**									
P4873-09	FSND-MW-29-202	Water	Acetone		13.7		1.40	3.80	5.00	ug/L
P4873-09	FSND-MW-29-202	Water	Methylene Chloride		0.41	J	0.32	0.50	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	trans-1,2-Dichloroethene		0.39	J	0.25	0.50	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	cis-1,2-Dichloroethene		3.30		0.25	0.75	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	Chloroform		0.77	J	0.26	0.50	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	1,1,1-Trichloroethane		3.00		0.19	0.50	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	Trichloroethene		140		0.32	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.: P4873

Client: EA Engineering Science & Technology

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
P4873-09	FSND-MW-29-202	Water	Bromodichloromethane	0.77	J	0.24	0.50	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	Dibromochloromethane	0.73	J	0.18	0.50	1.00	ug/L
P4873-09	FSND-MW-29-202	Water	Tetrachloroethene	11.0		0.25	0.50	1.00	ug/L
			Total Voc :	174					
			Total Concentration:	174					

QC SUMMARY

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

Surrogate Summary

SDG No.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4873-01	FSND-RB-4-20241114	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	45.9	92	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	48.5	97	85	114
P4873-02	FSND-MW-30-20241114	1,2-Dichloroethane-d4	50	49.8	100	81	118
		Dibromofluoromethane	50	47.2	94	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
P4873-03	TB-2	1,2-Dichloroethane-d4	50	50.4	101	81	118
		Dibromofluoromethane	50	45.1	90	80	119
		Toluene-d8	50	48.2	96	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
P4873-04	FSND-MW-19-20241114	1,2-Dichloroethane-d4	50	51.6	103	81	118
		Dibromofluoromethane	50	46.9	94	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	46.0	92	85	114
P4873-05	FSND-MW-32-20241114	1,2-Dichloroethane-d4	50	50.4	101	81	118
		Dibromofluoromethane	50	47.8	96	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	47.1	94	85	114
P4873-06	FSND-MW-34-20241114	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	46.7	93	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	47.2	94	85	114
P4873-07	FSND-GEP-3-20241114	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	48.6	97	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	48.5	97	85	114
P4873-07DL	FSND-GEP-3-20241114DL	1,2-Dichloroethane-d4	50	50.1	100	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	48.5	97	85	114
P4873-08	FSND-MW-28-20241114	1,2-Dichloroethane-d4	50	50.9	102	81	118
		Dibromofluoromethane	50	47.1	94	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	45.9	92	85	114
P4873-08DL	FSND-MW-28-20241114DL	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	46.5	93	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	49.1	98	85	114
P4873-09	FSND-MW-29-20241114	1,2-Dichloroethane-d4	50	50.3	101	81	118
		Dibromofluoromethane	50	47.6	95	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	48.7	97	85	114
VX1122WBL01	VX1122WBL01	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	47.9	96	85	114
VX1122WBS01	VX1122WBS01	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	50.5	101	80	119

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

Surrogate Summary

SDG No.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VX1122WBS01	VX1122WBS01	Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
VX1122WBSD0	VX1122WBSD01	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	51.5	103	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
VX1125WBL01	VX1125WBL01	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	47.2	94	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	50.7	101	85	114
VX1125WBS01	VX1125WBS01	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	49.4	99	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	47.3	95	85	114
VX1126WBL01	VX1126WBL01	1,2-Dichloroethane-d4	50	50.3	101	81	118
		Dibromofluoromethane	50	47.7	95	80	119
		Toluene-d8	50	50.3	101	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114
VX1126WBS01	VX1126WBS01	1,2-Dichloroethane-d4	50	50.5	101	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	49.1	98	85	114

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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043953.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1122WBS01	Dichlorodifluoromethane	20	20.0	ug/L	100			32	152	
	Chloromethane	20	20.8	ug/L	104			50	139	
	Vinyl chloride	20	20.8	ug/L	104			58	137	
	Bromomethane	20	21.5	ug/L	108			53	141	
	Chloroethane	20	23.4	ug/L	117			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70	136	
	1,1-Dichloroethene	20	20.4	ug/L	102			71	131	
	Acetone	100	99.9	ug/L	100			39	160	
	Carbon disulfide	20	17.0	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	21.5	ug/L	108			71	124	
	Methyl Acetate	20	20.5	ug/L	103			56	136	
	Methylene Chloride	20	20.7	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	20.9	ug/L	104			75	124	
	1,1-Dichloroethane	20	21.2	ug/L	106			77	125	
	Cyclohexane	20	19.9	ug/L	100			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	19.8	ug/L	99			78	123	
	Chloroform	20	21.6	ug/L	108			79	124	
	1,1,1-Trichloroethane	20	21.4	ug/L	107			74	131	
	Methylcyclohexane	20	18.6	ug/L	93			72	132	
	Benzene	20	20.3	ug/L	102			79	120	
	1,2-Dichloroethane	20	20.7	ug/L	104			73	128	
	Trichloroethene	20	17.0	ug/L	85			79	123	
	1,2-Dichloropropane	20	21.0	ug/L	105			78	122	
	Bromodichloromethane	20	19.9	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.4	ug/L	102			80	121	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.7	ug/L	94			74	126	
	1,2-Dibromoethane	20	20.5	ug/L	103			77	121	
	Tetrachloroethene	20	20.3	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	40.3	ug/L	101			80	121	
	o-Xylene	20	20.7	ug/L	104			78	122	
	Styrene	20	20.6	ug/L	103			78	123	
	Bromoform	20	16.9	ug/L	85			66	130	
	Isopropylbenzene	20	21.1	ug/L	106			72	131	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	20.6	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	20.7	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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043953.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1122WBS01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87			62	128	
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			69	130	
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101			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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043954.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1122WBSD01	Dichlorodifluoromethane	20	20.1	ug/L	101	1		32	152	20
	Chloromethane	20	20.4	ug/L	102	2		50	139	20
	Vinyl chloride	20	20.4	ug/L	102	2		58	137	20
	Bromomethane	20	21.3	ug/L	106	2		53	141	20
	Chloroethane	20	22.7	ug/L	114	3		60	138	20
	Trichlorofluoromethane	20	21.8	ug/L	109	11		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106	4		70	136	20
	1,1-Dichloroethene	20	19.2	ug/L	96	6		71	131	20
	Acetone	100	100	ug/L	100	0		39	160	20
	Carbon disulfide	20	16.9	ug/L	85	0		64	133	20
	Methyl tert-butyl Ether	20	21.6	ug/L	108	0		71	124	20
	Methyl Acetate	20	21.5	ug/L	108	5		56	136	20
	Methylene Chloride	20	20.3	ug/L	102	2		74	124	20
	trans-1,2-Dichloroethene	20	20.3	ug/L	102	2		75	124	20
	1,1-Dichloroethane	20	20.7	ug/L	104	2		77	125	20
	Cyclohexane	20	20.9	ug/L	104	4		71	130	20
	2-Butanone	100	110	ug/L	110	10		56	143	20
	Carbon Tetrachloride	20	19.9	ug/L	100	5		72	136	20
	cis-1,2-Dichloroethene	20	20.4	ug/L	102	2		78	123	20
	Bromochloromethane	20	19.8	ug/L	99	0		78	123	20
	Chloroform	20	21.3	ug/L	106	2		79	124	20
	1,1,1-Trichloroethane	20	20.7	ug/L	104	3		74	131	20
	Methylcyclohexane	20	20.5	ug/L	103	10		72	132	20
	Benzene	20	20.7	ug/L	104	2		79	120	20
	1,2-Dichloroethane	20	21.2	ug/L	106	2		73	128	20
	Trichloroethene	20	17.4	ug/L	87	2		79	123	20
	1,2-Dichloropropane	20	21.4	ug/L	107	2		78	122	20
	Bromodichloromethane	20	20.5	ug/L	103	3		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	21.4	ug/L	107	5		80	121	20
	t-1,3-Dichloropropene	20	20.3	ug/L	102	2		73	127	20
	cis-1,3-Dichloropropene	20	20.6	ug/L	103	5		75	124	20
	1,1,2-Trichloroethane	20	20.7	ug/L	104	3		80	119	20
	2-Hexanone	100	110	ug/L	110	10		57	139	20
	Dibromochloromethane	20	19.1	ug/L	96	2		74	126	20
	1,2-Dibromoethane	20	21.9	ug/L	110	7		77	121	20
	Tetrachloroethene	20	20.7	ug/L	104	2		74	129	20
	Chlorobenzene	20	19.9	ug/L	100	0		82	118	20
	Ethyl Benzene	20	20.4	ug/L	102	0		79	121	20
	m/p-Xylenes	40	40.9	ug/L	102	1		80	121	20
	o-Xylene	20	20.9	ug/L	104	0		78	122	20
	Styrene	20	20.5	ug/L	103	0		78	123	20
	Bromoform	20	17.5	ug/L	88	3		66	130	20
	Isopropylbenzene	20	20.6	ug/L	103	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	21.9	ug/L	110	2		71	121	20
	1,3-Dichlorobenzene	20	20.1	ug/L	101	2		80	119	20
	1,4-Dichlorobenzene	20	20.1	ug/L	101	1		79	118	20
	1,2-Dichlorobenzene	20	20.7	ug/L	104	0		80	119	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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043954.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1122WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	14		62	128	20
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95	3		69	130	20
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96	5		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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1125WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			32	152	
	Chloromethane	20	18.3	ug/L	92			50	139	
	Vinyl chloride	20	17.5	ug/L	88			58	137	
	Bromomethane	20	20.6	ug/L	103			53	141	
	Chloroethane	20	19.4	ug/L	97			60	138	
	Trichlorofluoromethane	20	19.0	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.5	ug/L	88			70	136	
	1,1-Dichloroethene	20	17.2	ug/L	86			71	131	
	Acetone	100	87.8	ug/L	88			39	160	
	Carbon disulfide	20	15.0	ug/L	75			64	133	
	Methyl tert-butyl Ether	20	19.0	ug/L	95			71	124	
	Methyl Acetate	20	18.3	ug/L	92			56	136	
	Methylene Chloride	20	17.8	ug/L	89			74	124	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	124	
	1,1-Dichloroethane	20	19.3	ug/L	97			77	125	
	Cyclohexane	20	17.9	ug/L	90			71	130	
	2-Butanone	100	91.3	ug/L	91			56	143	
	Carbon Tetrachloride	20	17.8	ug/L	89			72	136	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			78	123	
	Bromochloromethane	20	21.3	ug/L	106			78	123	
	Chloroform	20	19.5	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	131	
	Methylcyclohexane	20	17.0	ug/L	85			72	132	
	Benzene	20	18.8	ug/L	94			79	120	
	1,2-Dichloroethane	20	19.1	ug/L	96			73	128	
	Trichloroethene	20	16.1	ug/L	81			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	18.8	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	92.4	ug/L	92			67	130	
	Toluene	20	19.1	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			73	127	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			75	124	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			80	119	
	2-Hexanone	100	90.6	ug/L	91			57	139	
	Dibromochloromethane	20	17.9	ug/L	90			74	126	
	1,2-Dibromoethane	20	18.5	ug/L	93			77	121	
	Tetrachloroethene	20	18.1	ug/L	91			74	129	
	Chlorobenzene	20	18.6	ug/L	93			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	37.3	ug/L	93			80	121	
	o-Xylene	20	18.7	ug/L	94			78	122	
	Styrene	20	18.6	ug/L	93			78	123	
	Bromoform	20	16.0	ug/L	80			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX043980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1125WBS01	1,2-Dibromo-3-Chloropropane	20	16.5	ug/L	83			62	128	
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86			69	130	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX044007.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1126WBS01	Dichlorodifluoromethane	20	18.0	ug/L	90			32	152	
	Chloromethane	20	18.8	ug/L	94			50	139	
	Vinyl chloride	20	18.6	ug/L	93			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	21.8	ug/L	109			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			70	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	Acetone	100	96.5	ug/L	97			39	160	
	Carbon disulfide	20	15.0	ug/L	75			64	133	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			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	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.9	ug/L	100			77	125	
	Cyclohexane	20	18.0	ug/L	90			71	130	
	2-Butanone	100	97.1	ug/L	97			56	143	
	Carbon Tetrachloride	20	18.0	ug/L	90			72	136	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			78	123	
	Bromochloromethane	20	19.1	ug/L	96			78	123	
	Chloroform	20	20.4	ug/L	102			79	124	
	1,1,1-Trichloroethane	20	20.1	ug/L	101			74	131	
	Methylcyclohexane	20	17.3	ug/L	86			72	132	
	Benzene	20	19.4	ug/L	97			79	120	
	1,2-Dichloroethane	20	19.4	ug/L	97			73	128	
	Trichloroethene	20	17.2	ug/L	86			79	123	
	1,2-Dichloropropane	20	20.0	ug/L	100			78	122	
	Bromodichloromethane	20	19.6	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.8	ug/L	99			80	121	
	t-1,3-Dichloropropene	20	19.1	ug/L	96			73	127	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	19.8	ug/L	99			80	119	
	2-Hexanone	100	99.3	ug/L	99			57	139	
	Dibromochloromethane	20	18.6	ug/L	93			74	126	
	1,2-Dibromoethane	20	19.8	ug/L	99			77	121	
	Tetrachloroethene	20	19.6	ug/L	98			74	129	
	Chlorobenzene	20	18.7	ug/L	94			82	118	
	Ethyl Benzene	20	19.3	ug/L	97			79	121	
	m/p-Xylenes	40	38.5	ug/L	96			80	121	
	o-Xylene	20	19.7	ug/L	99			78	122	
	Styrene	20	19.6	ug/L	98			78	123	
	Bromoform	20	17.6	ug/L	88			66	130	
	Isopropylbenzene	20	19.7	ug/L	99			72	131	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103			71	121	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			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.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low **Datafile :** VX044007.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1126WBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92			62	128	
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.1	ug/L	91			69	129	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1122WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043952.D Lab Sample ID: VX1122WBL01

Date Analyzed: 11/22/2024 Time Analyzed: 12:13

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
VX1122WBS01	VX1122WBS01	VX043953.D	11/22/2024
VX1122WBSD01	VX1122WBSD01	VX043954.D	11/22/2024
FSND-RB-4-20241114	P4873-01	VX043971.D	11/22/2024
TB-2	P4873-03	VX043972.D	11/22/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1125WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043979.D Lab Sample ID: VX1125WBL01

Date Analyzed: 11/25/2024 Time Analyzed: 12:18

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
VX1125WBS01	VX1125WBS01	VX043980.D	11/25/2024
FSND-MW-30-20241114	P4873-02	VX043988.D	11/25/2024
FSND-MW-19-20241114	P4873-04	VX043989.D	11/25/2024
FSND-MW-32-20241114	P4873-05	VX043990.D	11/25/2024
FSND-MW-34-20241114	P4873-06	VX043991.D	11/25/2024
FSND-GEP-3-20241114	P4873-07	VX043992.D	11/25/2024
FSND-MW-28-20241114	P4873-08	VX043993.D	11/25/2024
FSND-MW-29-20241114	P4873-09	VX043994.D	11/25/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1126WBL01

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX044006.D Lab Sample ID: VX1126WBL01

Date Analyzed: 11/26/2024 Time Analyzed: 10:54

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
VX1126WBS01	VX1126WBS01	VX044007.D	11/26/2024
FSND-GEP-3-20241114DL	P4873-07DL	VX044012.D	11/26/2024
FSND-MW-28-20241114DL	P4873-08DL	VX044013.D	11/26/2024

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043924.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:51

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX043925.D	11/21/2024	09:47
VSTDICC005	VSTDICC005	VX043926.D	11/21/2024	10:14
VSTDICC020	VSTDICC020	VX043927.D	11/21/2024	10:37
VSTDICCC050	VSTDICCC050	VX043928.D	11/21/2024	11:17
VSTDICC100	VSTDICC100	VX043929.D	11/21/2024	11:40
VSTDICC150	VSTDICC150	VX043930.D	11/21/2024	12:03

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043949.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:54

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	56.8
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	71 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043950.D	11/22/2024	11:22
VX1122WBL01	VX1122WBL01	VX043952.D	11/22/2024	12:13
VX1122WBS01	VX1122WBS01	VX043953.D	11/22/2024	12:36
VX1122WBSD01	VX1122WBSD01	VX043954.D	11/22/2024	13:02
FSND-RB-4-20241114	P4873-01	VX043971.D	11/22/2024	19:33
TB-2	P4873-03	VX043972.D	11/22/2024	19:56
VSTDCCC050EC	VSTDCCC050	VX043975.D	11/22/2024	21:05

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043976.D BFB Injection Date: 11/25/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043977.D	11/25/2024	11:27
VX1125WBL01	VX1125WBL01	VX043979.D	11/25/2024	12:18
VX1125WBS01	VX1125WBS01	VX043980.D	11/25/2024	12:41
FSND-MW-30-20241114	P4873-02	VX043988.D	11/25/2024	15:49
FSND-MW-19-20241114	P4873-04	VX043989.D	11/25/2024	16:12
FSND-MW-32-20241114	P4873-05	VX043990.D	11/25/2024	16:35
FSND-MW-34-20241114	P4873-06	VX043991.D	11/25/2024	16:58
FSND-GEP-3-20241114	P4873-07	VX043992.D	11/25/2024	17:21
FSND-MW-28-20241114	P4873-08	VX043993.D	11/25/2024	17:44
FSND-MW-29-20241114	P4873-09	VX043994.D	11/25/2024	18:08
VSTDCCC050EC	VSTDCCC050	VX044002.D	11/25/2024	21:12

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX044003.D BFB Injection Date: 11/26/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mass 95	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	72.2
175	5.0 - 9.0% of mass 174	5.5 (7.6) 1
176	95.0 - 101.0% of mass 174	71 (98.3) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044004.D	11/26/2024	09:59
VX1126WBL01	VX1126WBL01	VX044006.D	11/26/2024	10:54
VX1126WBS01	VX1126WBS01	VX044007.D	11/26/2024	11:17
FSND-GEP-3-20241114DL	P4873-07DL	VX044012.D	11/26/2024	13:18
FSND-MW-28-20241114DL	P4873-08DL	VX044013.D	11/26/2024	13:41
VSTDCCC050EC	VSTDCCC050	VX044022.D	11/26/2024	17:33

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

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	119844	5.54	210147	6.75	179277	10.06
UPPER LIMIT	239688	6.038	420294	7.251	358554	10.555
LOWER LIMIT	59922	5.038	105074	6.251	89638.5	9.555
EPA SAMPLE NO.						
FSND-RB-4-20241114	105197	5.55	204646	6.76	177710	10.05
TB-2	112888	5.54	216240	6.76	188871	10.06
VX1122WBL01	114313	5.54	223688	6.76	192949	10.06
VX1122WBS01	122957	5.54	229417	6.76	195535	10.06
VX1122WBSD01	109076	5.54	195872	6.76	171011	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

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

	IS4 AREA #	RT #				
12 HOUR STD	88069	12.018				
UPPER LIMIT	176138	12.518				
LOWER LIMIT	44034.5	11.518				
EPA SAMPLE NO.						
FSND-RB-4-20241114	73808	12.02				
TB-2	77834	12.02				
VX1122WBL01	79805	12.02				
VX1122WBS01	86659	12.02				
VX1122WBSD01	79397	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043977.D Date Analyzed: 11/25/2024

Instrument ID: MSVOA_X Time Analyzed: 11:27

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	132560	5.54	232543	6.75	196596	10.06
UPPER LIMIT	265120	6.043	465086	7.25	393192	10.555
LOWER LIMIT	66280	5.043	116272	6.25	98298	9.555
EPA SAMPLE NO.						
FSND-MW-30-20241114	119730	5.54	225681	6.76	198829	10.06
FSND-MW-19-20241114	122379	5.55	236964	6.76	204246	10.06
FSND-MW-32-20241114	113361	5.54	214013	6.76	187289	10.06
FSND-MW-34-20241114	122134	5.55	228854	6.76	193773	10.06
FSND-GEP-3-20241114	117514	5.54	213727	6.76	189569	10.06
FSND-MW-28-20241114	108714	5.55	206635	6.76	183586	10.06
FSND-MW-29-20241114	112896	5.55	215968	6.76	189479	10.06
VX1125WBL01	113649	5.54	223629	6.76	208120	10.05
VX1125WBS01	129078	5.54	232630	6.76	200729	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043977.D Date Analyzed: 11/25/2024

Instrument ID: MSVOA_X Time Analyzed: 11:27

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

	IS4 AREA #	RT #				
12 HOUR STD	94886	12.018				
UPPER LIMIT	189772	12.518				
LOWER LIMIT	47443	11.518				
EPA SAMPLE NO.						
FSND-MW-30-20241114	84923	12.02				
FSND-MW-19-20241114	83659	12.02				
FSND-MW-32-20241114	77640	12.02				
FSND-MW-34-20241114	81953	12.02				
FSND-GEP-3-20241114	78823	12.02				
FSND-MW-28-20241114	69483	12.02				
FSND-MW-29-20241114	83328	12.02				
VX1125WBL01	90683	12.02				
VX1125WBS01	89446	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX044004.D Date Analyzed: 11/26/2024

Instrument ID: MSVOA_X Time Analyzed: 09:59

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	135994	5.54	228315	6.75	197529	10.05
UPPER LIMIT	271988	6.038	456630	7.251	395058	10.549
LOWER LIMIT	67997	5.038	114158	6.251	98764.5	9.549
EPA SAMPLE NO.						
FSND-GEP-3-20241114DL	110646	5.54	210130	6.76	186506	10.06
FSND-MW-28-20241114DL	112571	5.55	214625	6.76	191208	10.06
VX1126WBL01	113627	5.55	212092	6.75	187057	10.05
VX1126WBS01	126484	5.54	228899	6.76	196787	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX044004.D Date Analyzed: 11/26/2024

Instrument ID: MSVOA_X Time Analyzed: 09:59

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

	IS4 AREA #	RT #				
12 HOUR STD	92620	12.018				
UPPER LIMIT	185240	12.518				
LOWER LIMIT	46310	11.518				
EPA SAMPLE NO.						
FSND-GEP-3-20241114DL	78197	12.02				
FSND-MW-28-20241114DL	81021	12.02				
VX1126WBL01	75578	12.02				
VX1126WBS01	89836	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-RB-4-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043971.D	1		11/22/24 19:33	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	9.90		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.42	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.93	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.40	J	0.18	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:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-RB-4-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043971.D	1		11/22/24 19:33	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	105000	5.55				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	178000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	73800	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-RB-4-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043971.D	1		11/22/24 19:33	VX112224

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\VX112224\
Data File : VX043971.D
Acq On : 22 Nov 2024 19:33
Operator : JC/MD
Sample : P4873-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Quant Time: Nov 22 22:29:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

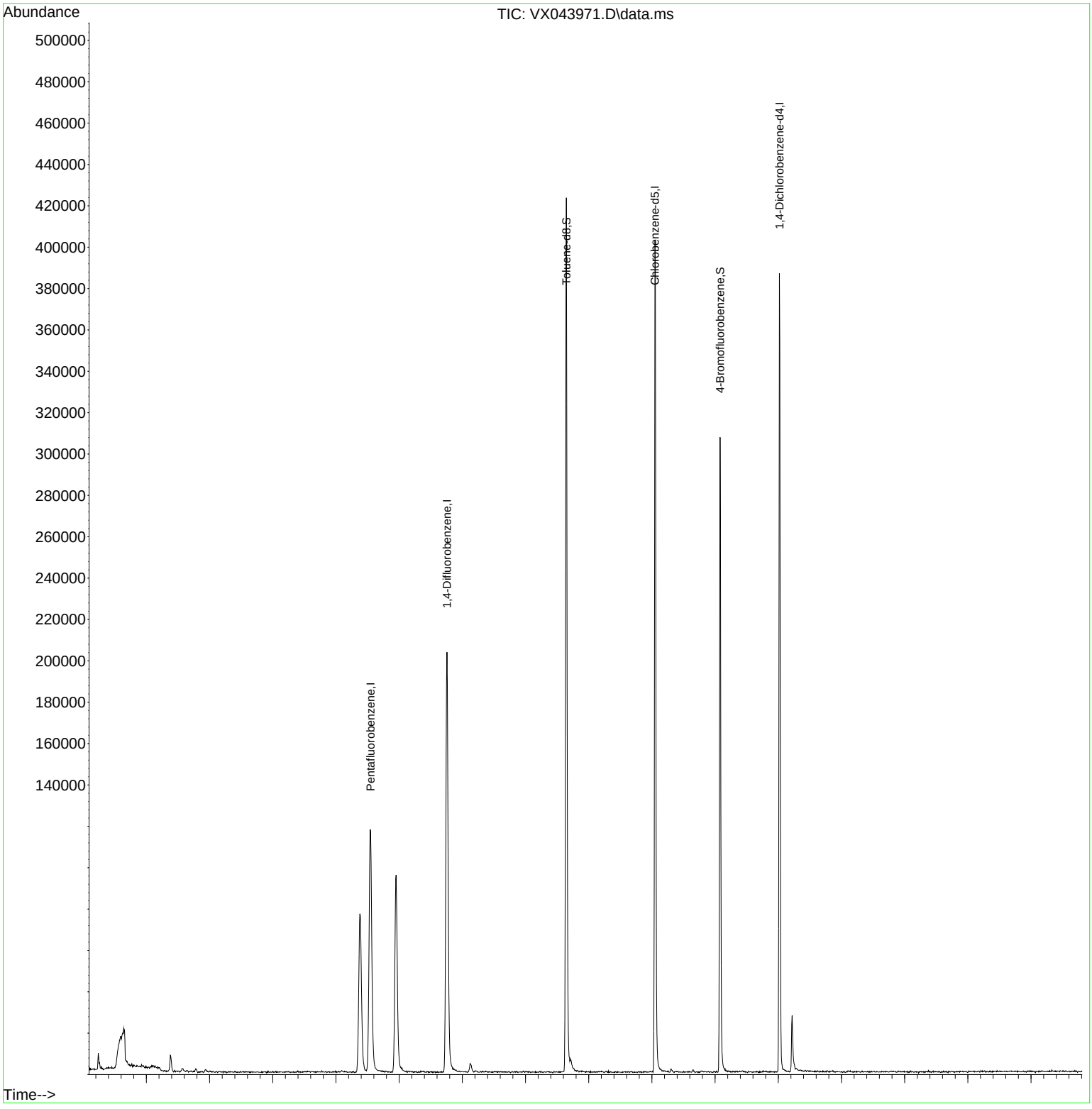
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	105197	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	204646	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94351	52.292	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.580%			
35) Dibromofluoromethane	5.379	113	67160	45.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.860%			
50) Toluene-d8	8.647	98	252075	50.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	11.079	95	83106	48.445	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.880%			
Target Compounds						Qvalue
16) Acetone	2.380	43	8243	9.947	ug/l #	88
20) Methylene Chloride	2.782	84	587	0.417	ug/l #	77
44) Trichloroethene	7.129	130	1494	0.930	ug/l	94
52) Toluene	8.720	92	1367	0.402	ug/l	91

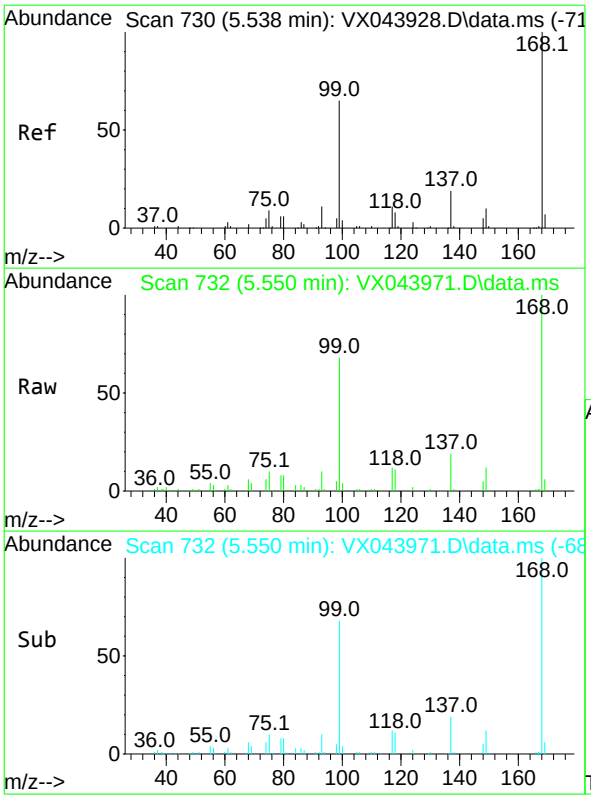
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043971.D
Acq On : 22 Nov 2024 19:33
Operator : JC/MD
Sample : P4873-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Quant Time: Nov 22 22:29:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



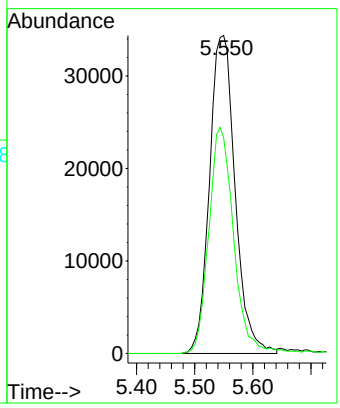


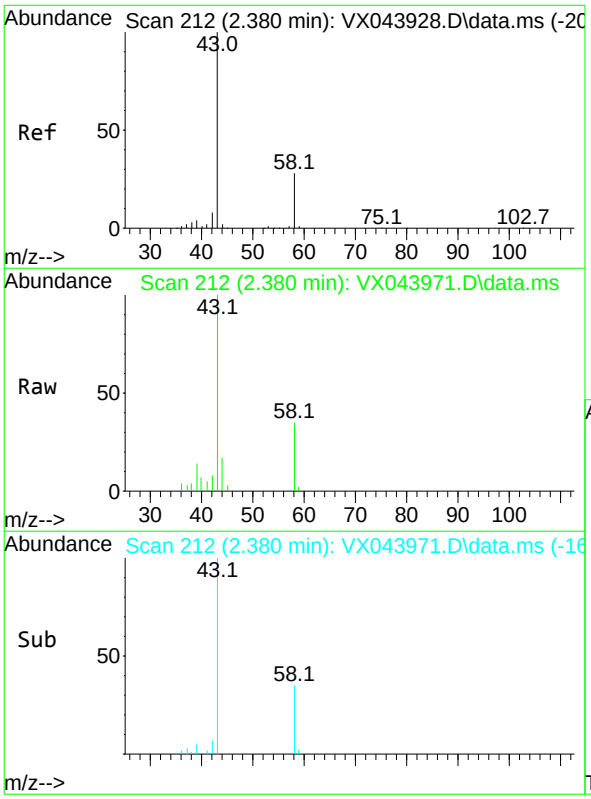
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Tgt Ion:168 Resp: 105197

Ion	Ratio	Lower	Upper
168	100		
99	67.9	51.8	77.8

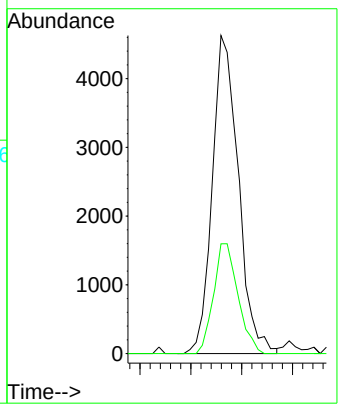


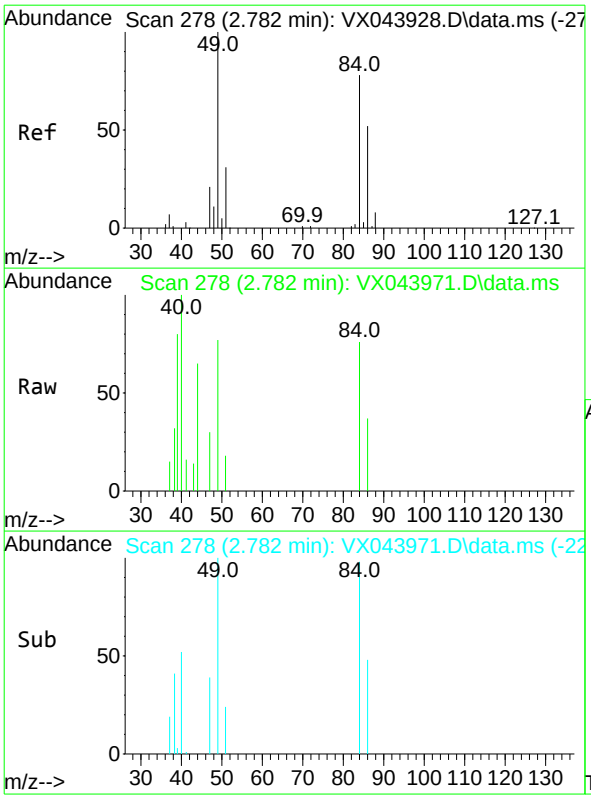


#16
Acetone
Concen: 9.947 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Tgt Ion: 43 Resp: 8243

Ion	Ratio	Lower	Upper
43	100		
58	34.5	22.7	34.1#



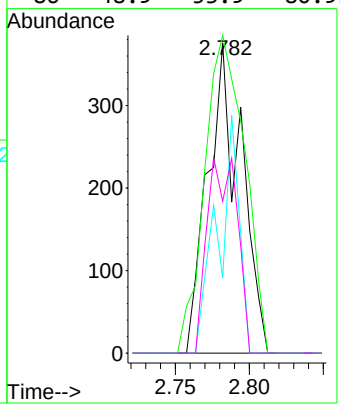


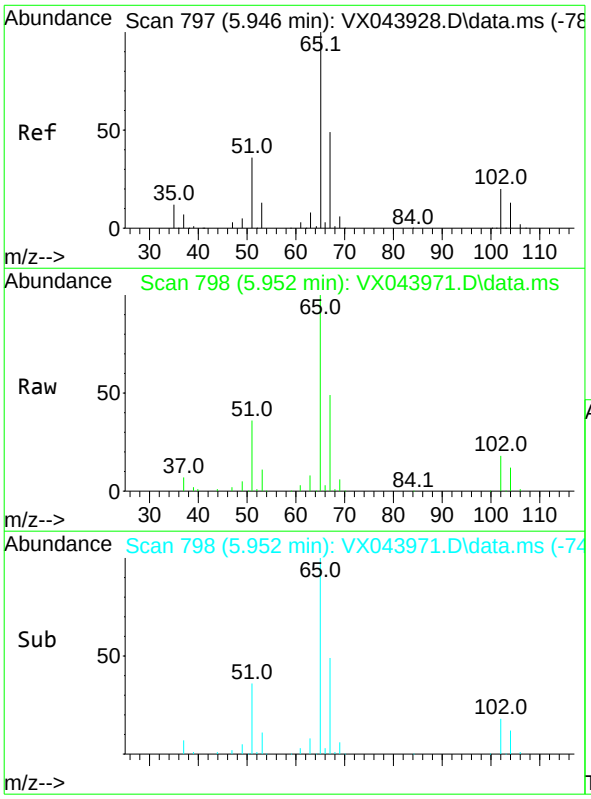
#20
Methylene Chloride
Concen: 0.417 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Tgt Ion: 84 Resp: 587

Ion	Ratio	Lower	Upper
84	100		
49	102.4	102.7	154.1#
51	24.2	31.7	47.5#
86	48.9	53.9	80.9#

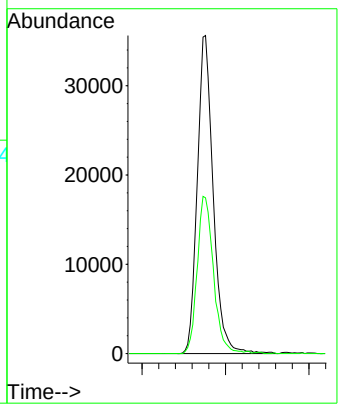


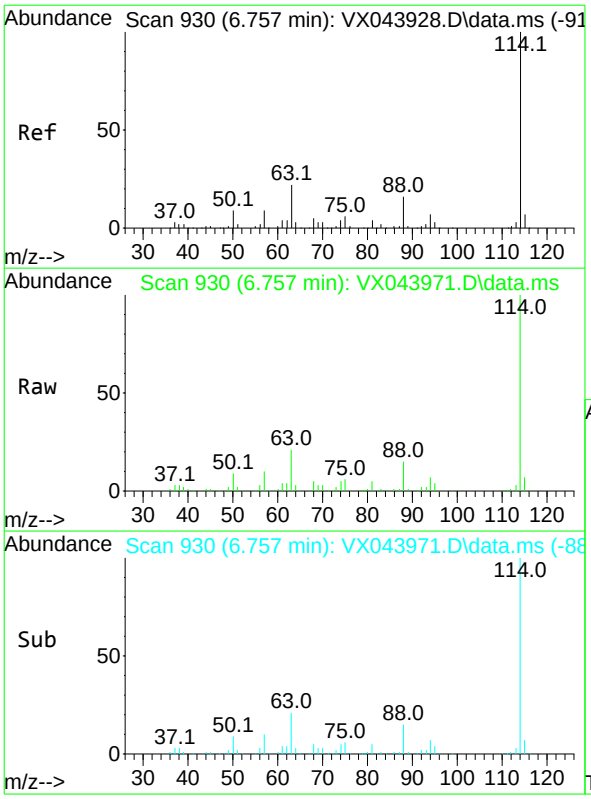


#33
1,2-Dichloroethane-d4
Concen: 52.292 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Tgt Ion: 65 Resp: 94351

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8



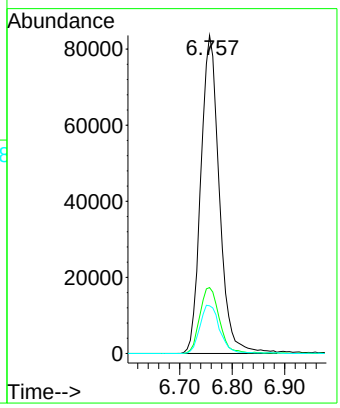


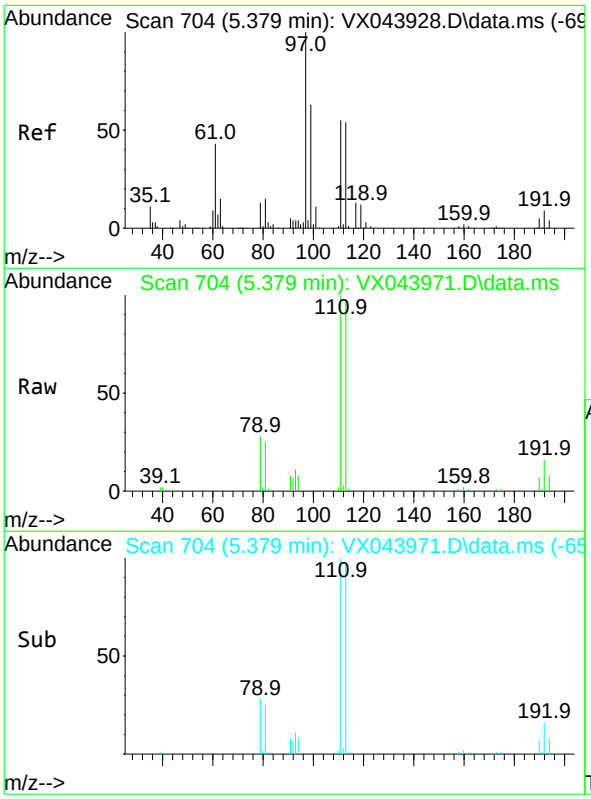
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Tgt Ion:114 Resp: 204646

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.0	0.0	32.4

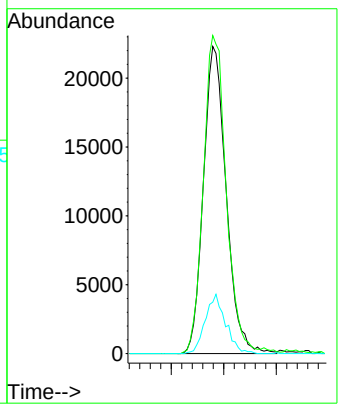


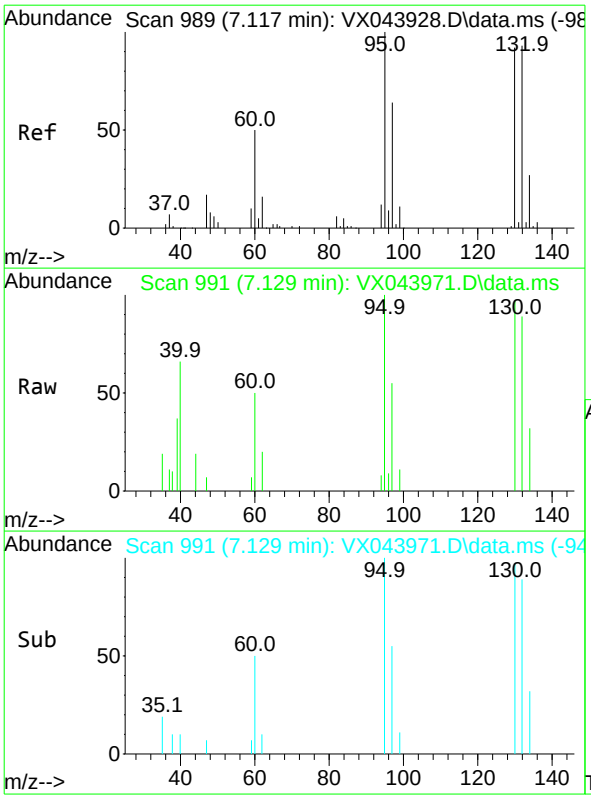


#35
Dibromofluoromethane
Concen: 45.928 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Tgt Ion:113 Resp: 67160

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	17.3	13.0	19.6



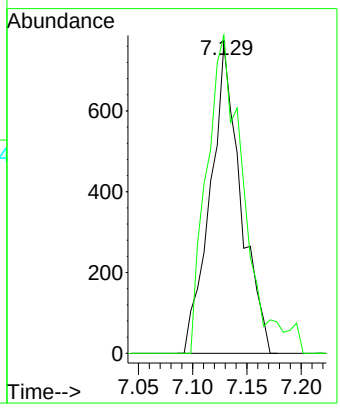


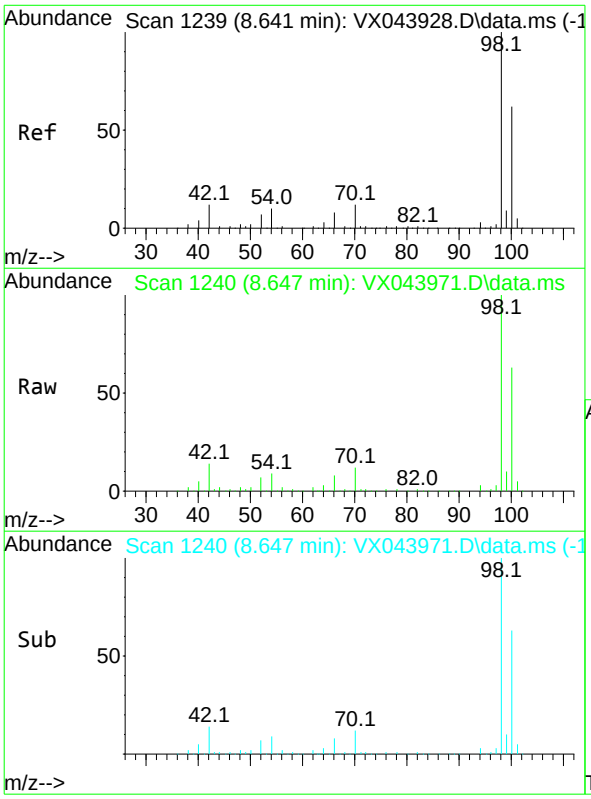
#44
Trichloroethene
Concen: 0.930 ug/l
RT: 7.129 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Tgt Ion:130 Resp: 1494

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	217.8

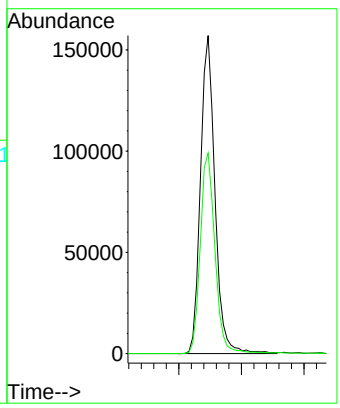


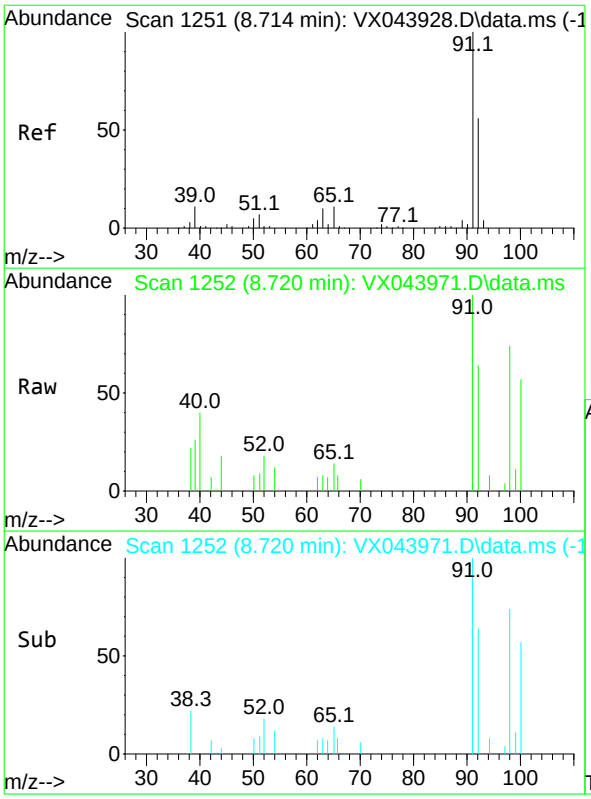


#50
Toluene-d8
Concen: 50.008 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Tgt Ion: 98 Resp: 252075

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0



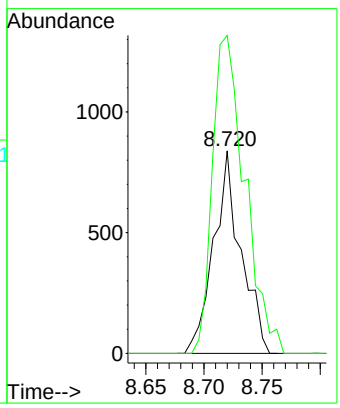


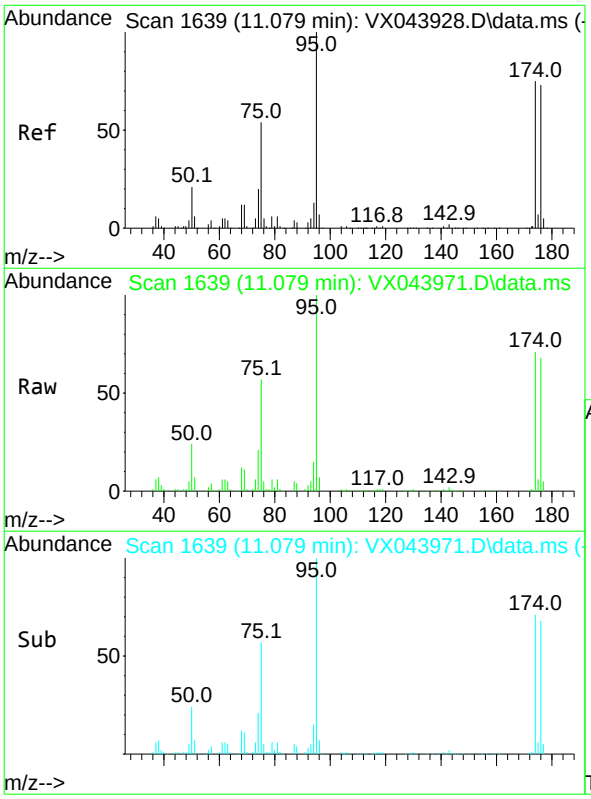
#52
Toluene
Concen: 0.402 ug/l
RT: 8.720 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Tgt Ion: 92 Resp: 1367

Ion	Ratio	Lower	Upper
92	100		
91	186.9	139.7	209.5

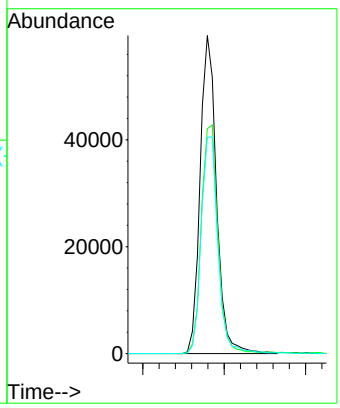


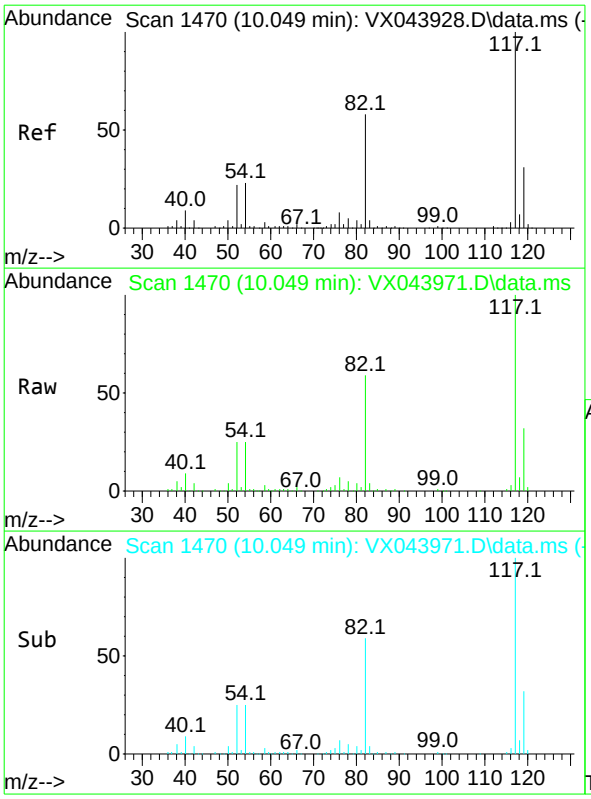


#62
4-Bromofluorobenzene
Concen: 48.445 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Tgt Ion: 95 Resp: 83106

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	150.4
176	69.9	0.0	146.0



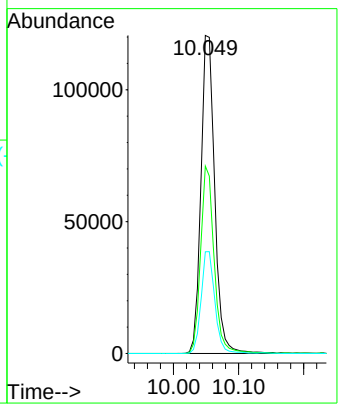


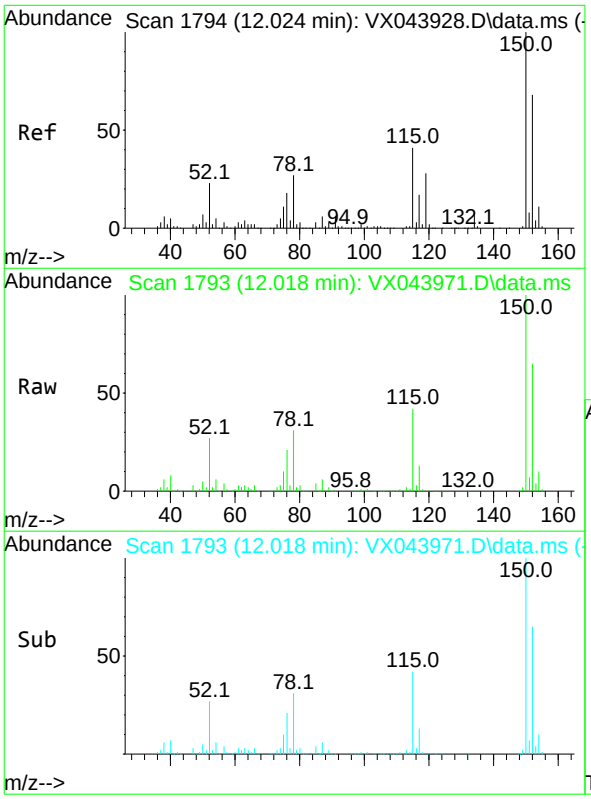
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Tgt Ion:117 Resp: 177710

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.4	69.6
119	32.0	24.6	37.0

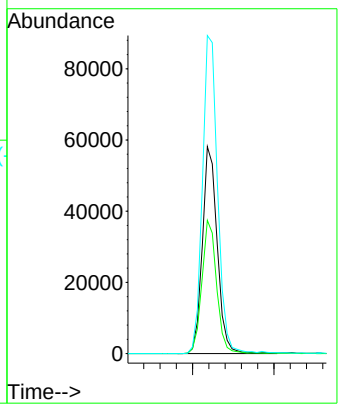




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043971.D
Acq: 22 Nov 2024 19:33

Tgt Ion:152 Resp: 73808

Ion	Ratio	Lower	Upper
152	100		
115	63.7	45.4	136.2
150	156.3	0.0	353.0



Sample Results: **VX043971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043971.D
Acq On : 22 Nov 2024 19:33
Operator : JC/MD
Sample : P4873-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043971.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV2	7752	10076	1.47%	0.276%
2	1.593	68	83	85	rBV3	15318	56779	8.30%	1.553%
3	2.380	206	212	220	rVB	8050	14876	2.17%	0.407%
4	5.379	694	704	718	rBV2	76693	232288	33.95%	6.354%
5	5.544	721	731	752	rVV2	116781	349786	51.12%	9.568%
6	5.952	788	798	812	rBV2	95429	259404	37.91%	7.095%
7	6.757	921	930	945	rBV	203044	502848	73.48%	13.754%
8	7.123	985	990	999	rVB4	4166	9379	1.37%	0.257%
9	8.647	1233	1240	1249	rBV	422572	684298	100.00%	18.718%
10	10.049	1465	1470	1483	rBV	401962	583591	85.28%	15.963%
11	11.079	1634	1639	1651	rBV	306834	422362	61.72%	11.553%
12	12.018	1788	1793	1802	rBV	386005	486233	71.06%	13.300%
13	12.219	1821	1826	1834	rBV	27101	43999	6.43%	1.204%

Sum of corrected areas: 3655919

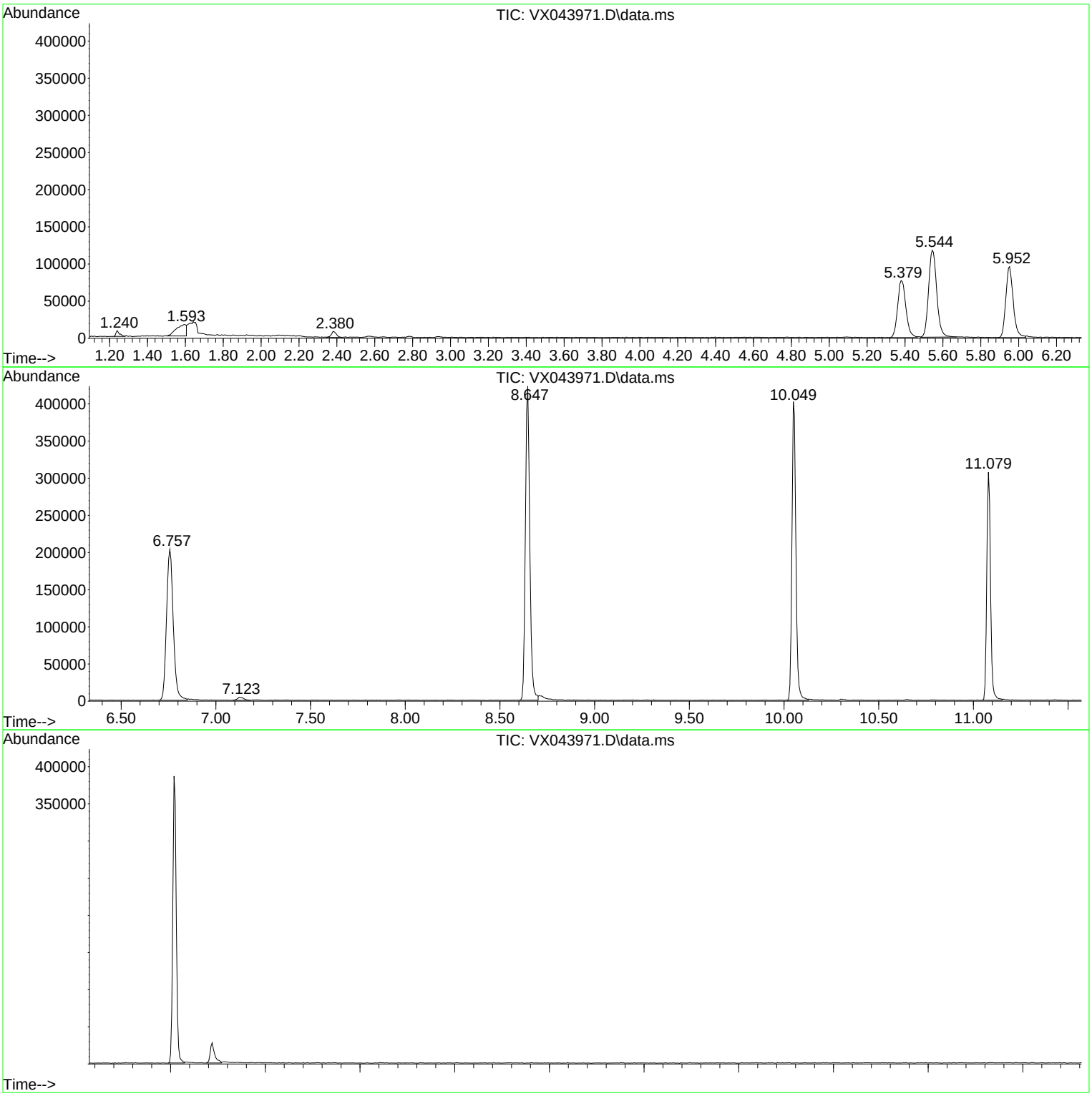
Sample Results: **VX043971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043971.D
Acq On : 22 Nov 2024 19:33
Operator : JC/MD
Sample : P4873-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043971.D
Acq On : 22 Nov 2024 19:33
Operator : JC/MD
Sample : P4873-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043971.D
Acq On : 22 Nov 2024 19:33
Operator : JC/MD
Sample : P4873-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-RB-4-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-30-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043988.D	1		11/25/24 15:49	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.20	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.80		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-30-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043988.D	1		11/25/24 15:49	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.544				
540-36-3	1,4-Difluorobenzene	226000	6.757				
3114-55-4	Chlorobenzene-d5	199000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	84900	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-30-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043988.D	1		11/25/24 15:49	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000106-97-8	Butane	18.4	J			1.37	ug/L
	unknown1.636	5.50	J			1.64	ug/L
000109-66-0	Pentane	8.10	J			1.94	ug/L

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\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Quant Time: Nov 26 00:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

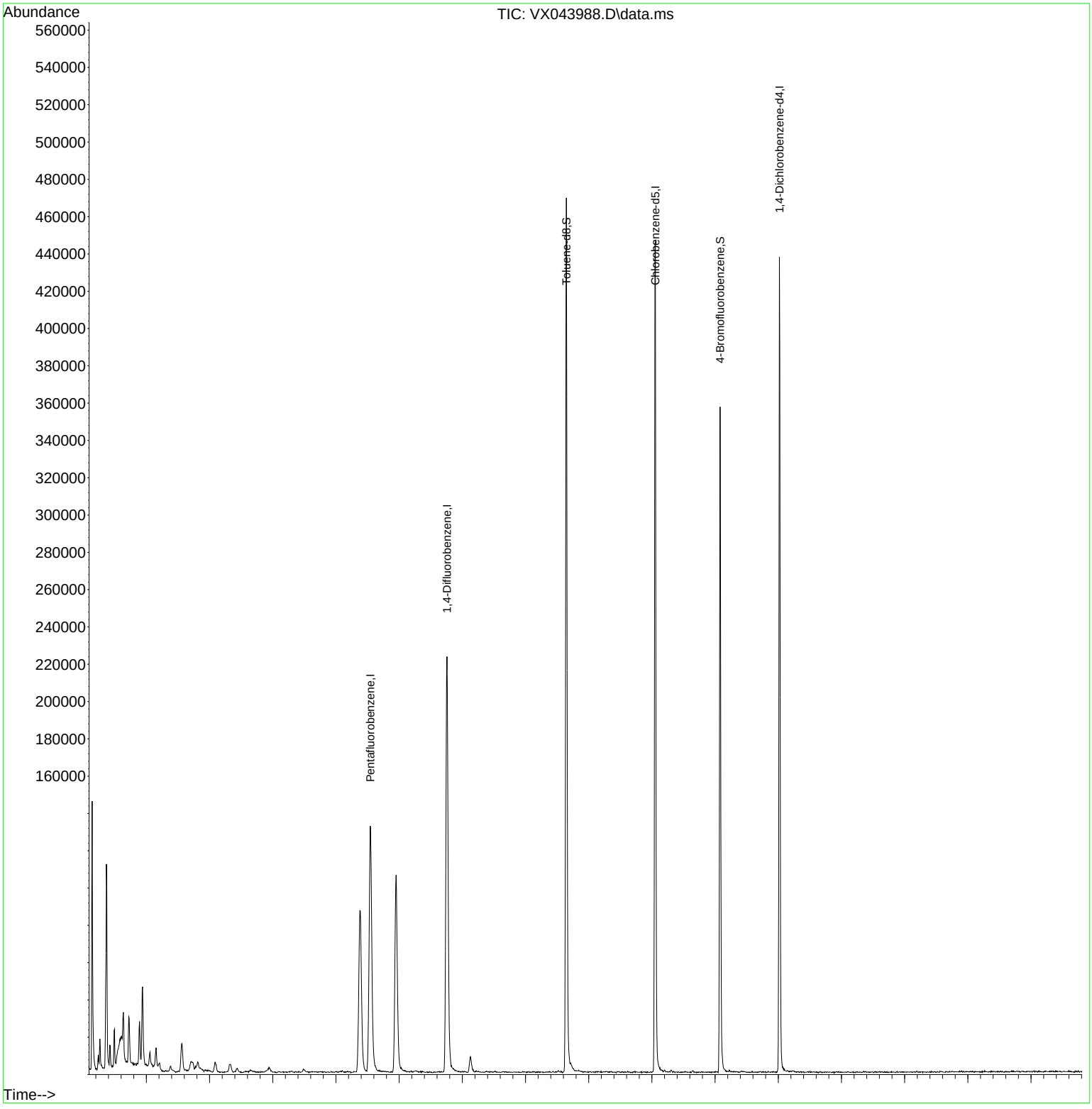
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	119730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225681	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102169	49.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.500%		
35) Dibromofluoromethane	5.379	113	76095	47.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	8.647	98	276109	49.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.340%		
62) 4-Bromofluorobenzene	11.079	95	90197	47.677	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.360%		
Target Compounds						Qvalue
16) Acetone	2.386	43	3026	3.208	ug/l	92
44) Trichloroethene	7.123	130	3274	1.848	ug/l	90

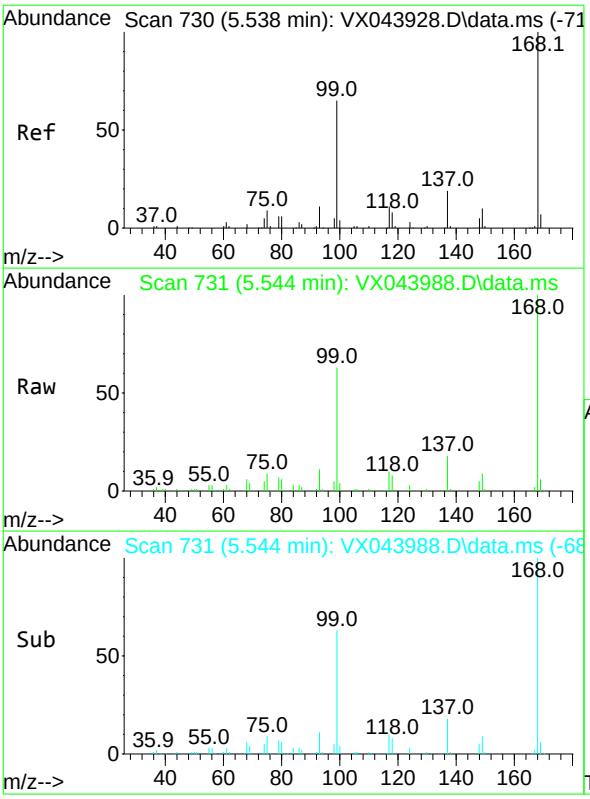
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Quant Time: Nov 26 00:49:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



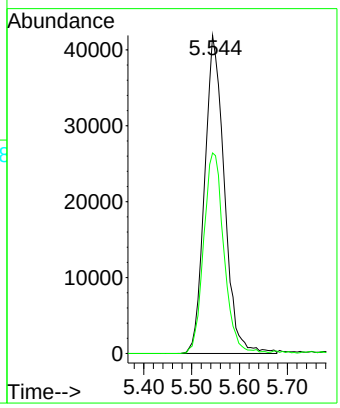


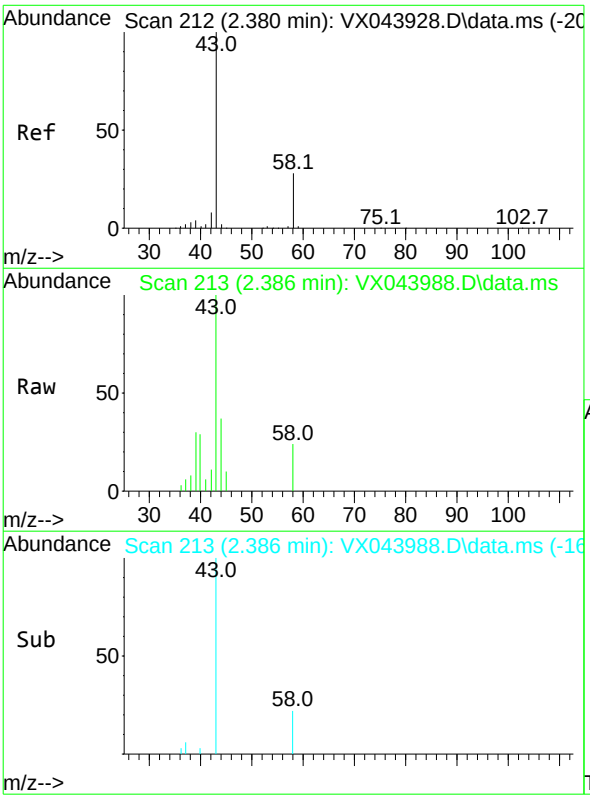
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Tgt Ion:168 Resp: 119730

Ion	Ratio	Lower	Upper
168	100		
99	63.0	51.8	77.8

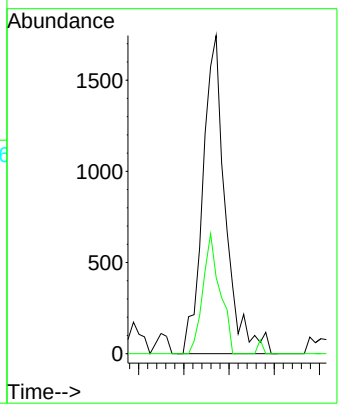


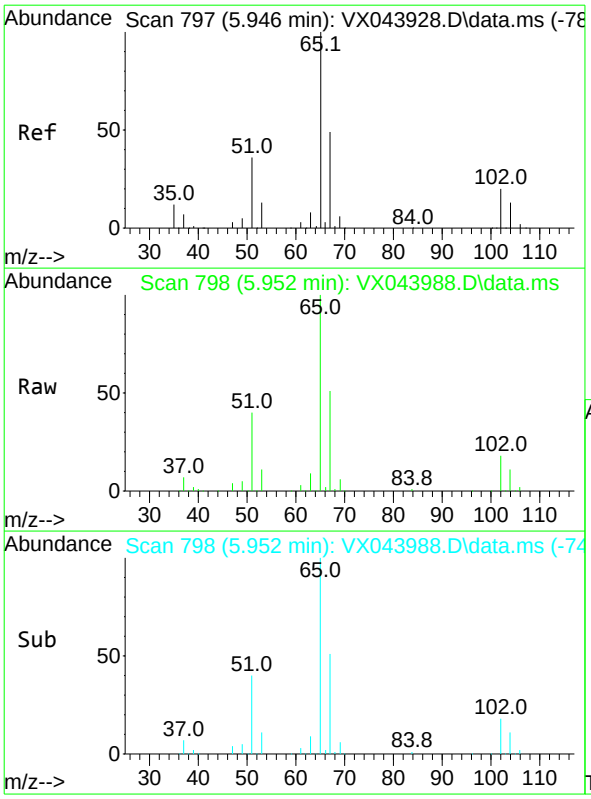


#16
Acetone
Concen: 3.208 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 43 Resp: 3026

Ion	Ratio	Lower	Upper
43	100		
58	24.0	22.7	34.1



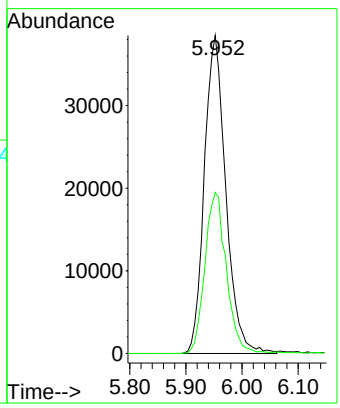


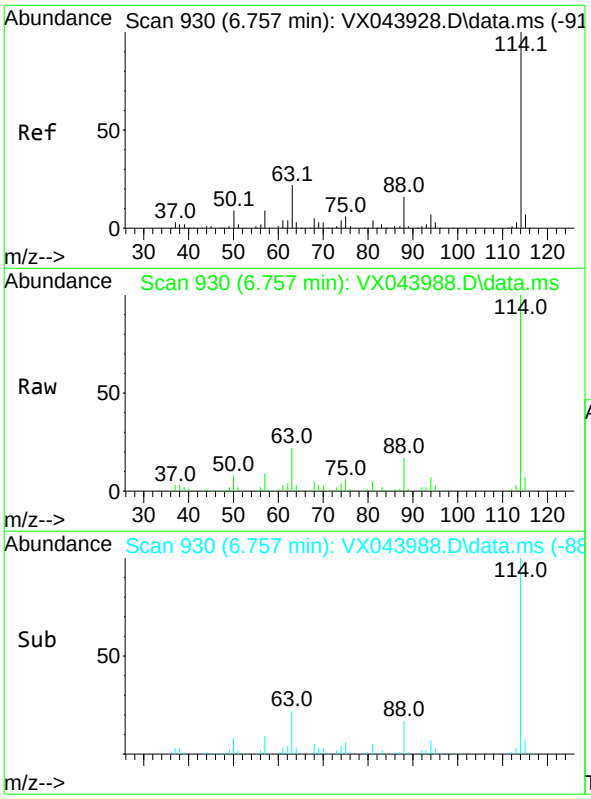
#33
1,2-Dichloroethane-d4
Concen: 49.752 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Tgt Ion: 65 Resp: 102169

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8

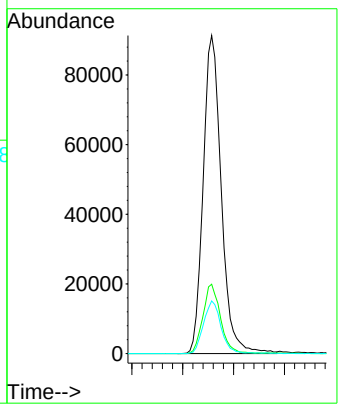


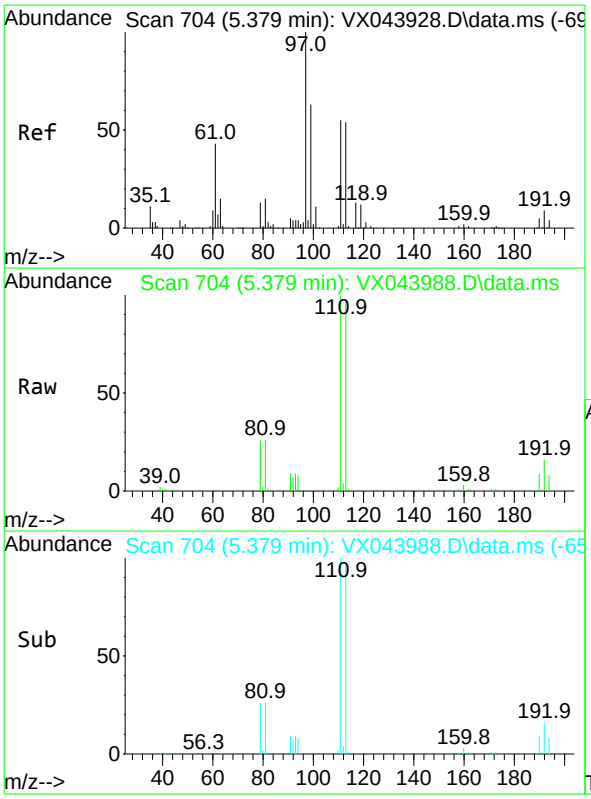


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion:114 Resp: 225681

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.6	0.0	32.4



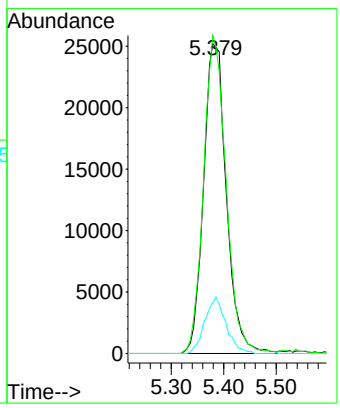


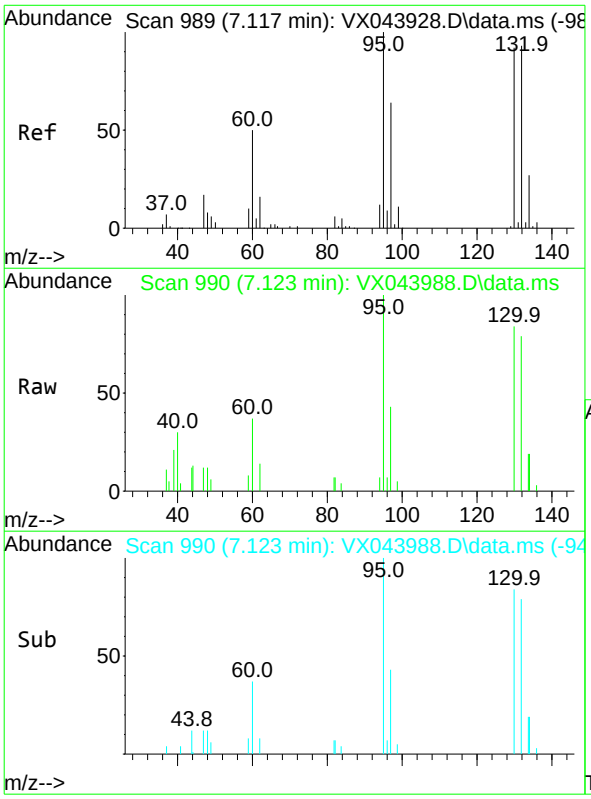
#35
Dibromofluoromethane
Concen: 47.188 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Tgt Ion:113 Resp: 76095

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.0	121.4
192	16.9	13.0	19.6

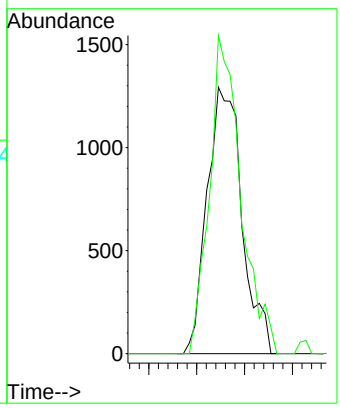


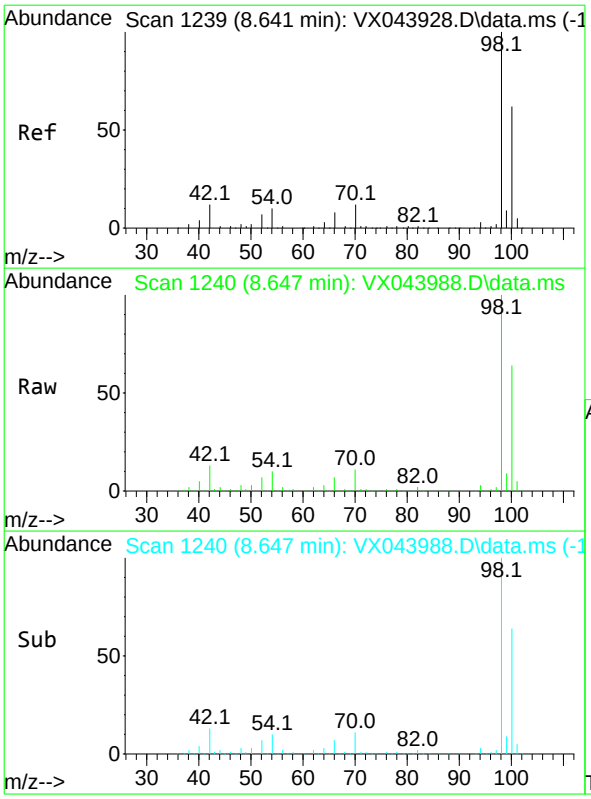


#44
Trichloroethene
Concen: 1.848 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion:130 Resp: 3274

Ion	Ratio	Lower	Upper
130	100		
95	119.4	0.0	217.8



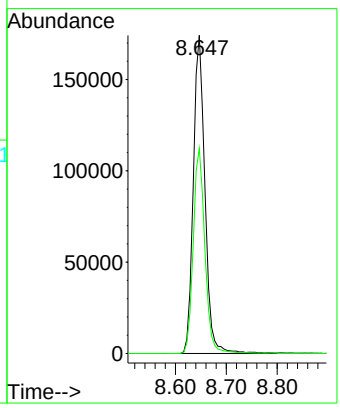


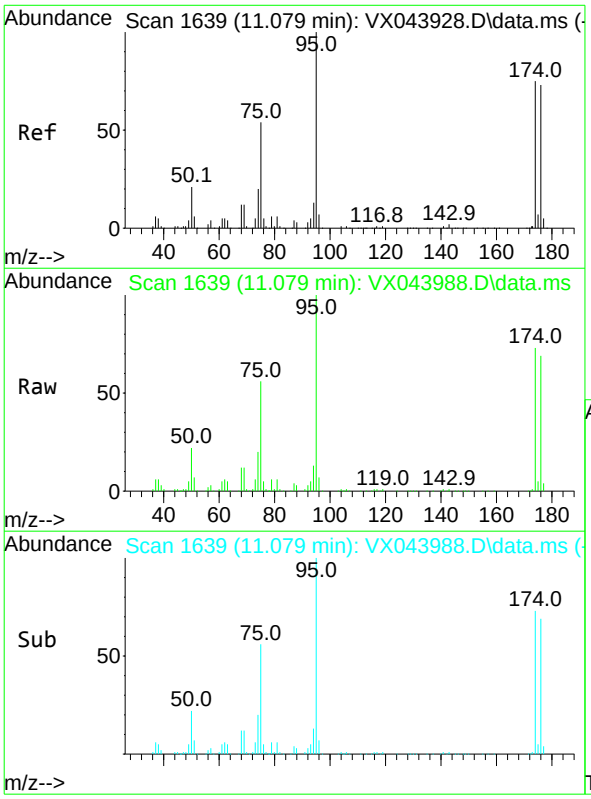
#50
Toluene-d8
Concen: 49.671 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Tgt Ion: 98 Resp: 276109

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0

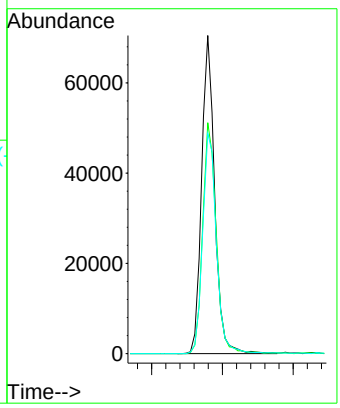


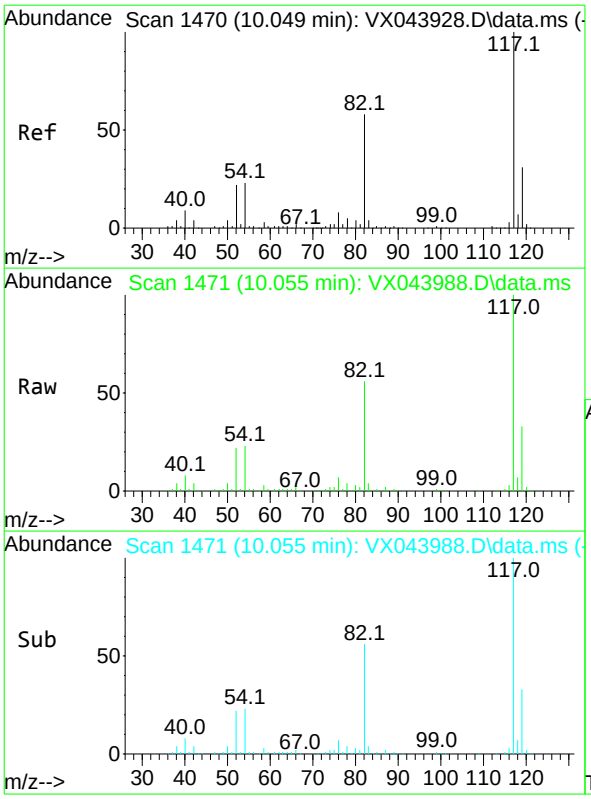


#62
4-Bromofluorobenzene
Concen: 47.677 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion: 95 Resp: 90197

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.4
176	73.4	0.0	146.0



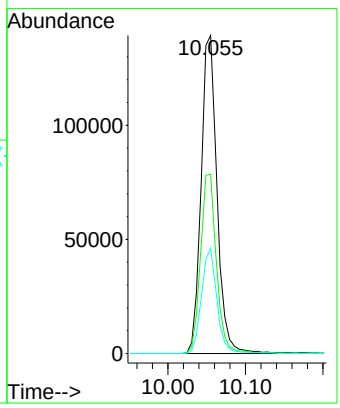


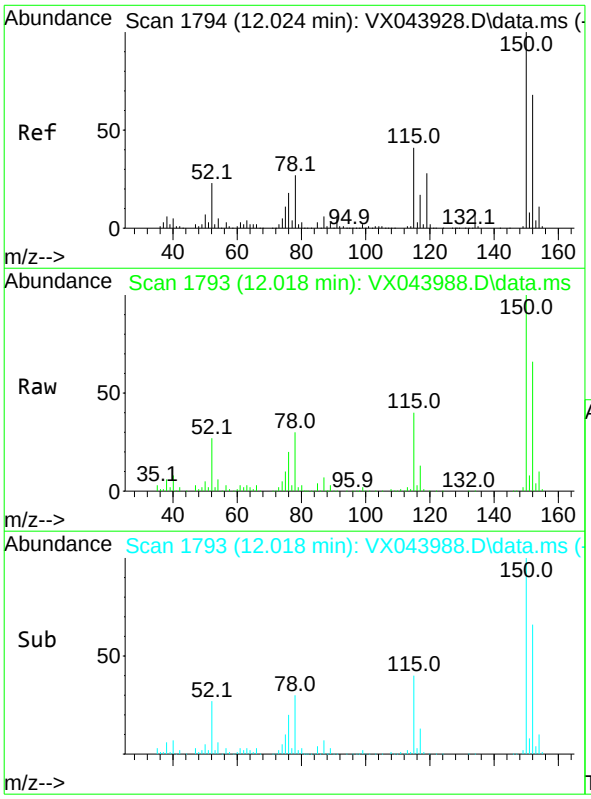
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Tgt Ion:117 Resp: 198829

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.4	69.6
119	33.1	24.6	37.0

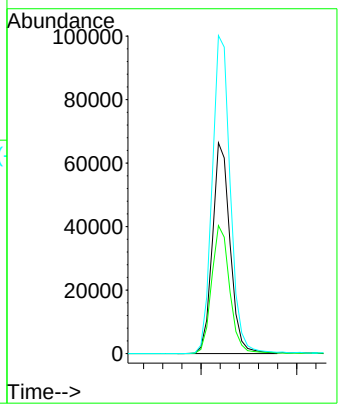




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043988.D
Acq: 25 Nov 2024 15:49

Tgt Ion:152 Resp: 84923

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.4	136.2
150	156.1	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043988.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	5	9	18	rBV	143851	143760	19.18%	3.118%
2	1.240	21	25	27	rBV	8154	8676	1.16%	0.188%
3	1.264	27	29	32	rVB2	14218	12826	1.71%	0.278%
4	1.368	41	46	53	rBV2	109306	142447	19.00%	3.090%
5	1.422	53	55	60	rVB	11939	12092	1.61%	0.262%
6	1.496	63	67	71	rBV	20073	22055	2.94%	0.478%
7	1.605	71	85	87	rVV7	15652	64412	8.59%	1.397%
8	1.636	87	90	96	rVV3	28074	42191	5.63%	0.915%
9	1.721	100	104	113	rVB	25079	37479	5.00%	0.813%
10	1.892	127	132	136	rBV	22866	30453	4.06%	0.661%
11	1.941	136	140	147	rVB	41814	62258	8.31%	1.350%
12	2.057	154	159	167	rVV2	7957	14838	1.98%	0.322%
13	2.154	167	175	180	rVV	11589	21662	2.89%	0.470%
14	2.209	180	184	190	rVB4	4392	8414	1.12%	0.183%
15	2.563	235	242	249	rBV	15031	32646	4.35%	0.708%
16	2.715	258	267	268	rBV4	5024	10901	1.45%	0.236%
17	3.087	321	328	341	rVB3	5565	13581	1.81%	0.295%
18	3.325	361	367	375	rVB4	4293	11436	1.53%	0.248%
19	5.379	694	704	719	rBV	86545	260012	34.69%	5.640%
20	5.544	722	731	751	rVV	131446	386154	51.51%	8.376%
21	5.952	788	798	810	rBV2	105825	283931	37.88%	6.159%
22	6.757	921	930	951	rBV	222651	548251	73.14%	11.893%
23	7.129	984	991	997	rBV4	8466	20050	2.67%	0.435%
24	8.647	1230	1240	1250	rBV	469190	749629	100.00%	16.261%
25	10.055	1465	1471	1484	rBV	445288	648296	86.48%	14.063%
26	11.079	1634	1639	1655	rBV	356913	467573	62.37%	10.143%
27	12.018	1788	1793	1805	rBV	436358	553977	73.90%	12.017%

Sum of corrected areas: 4610000

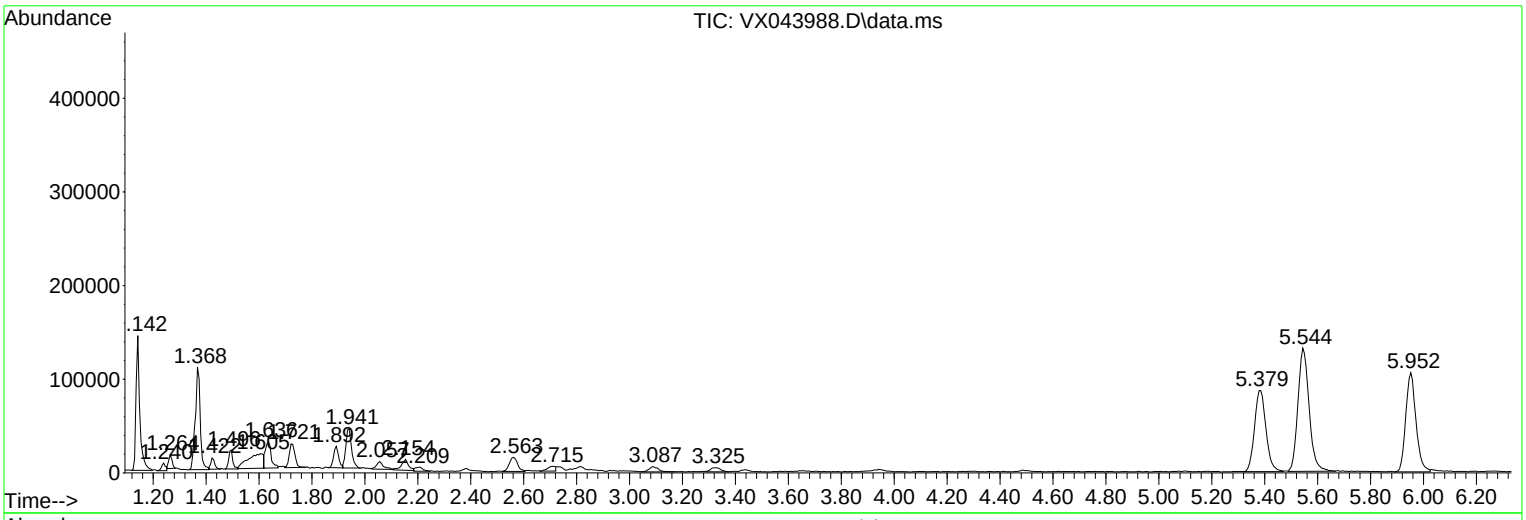
Sample Results: **VX043988.D**

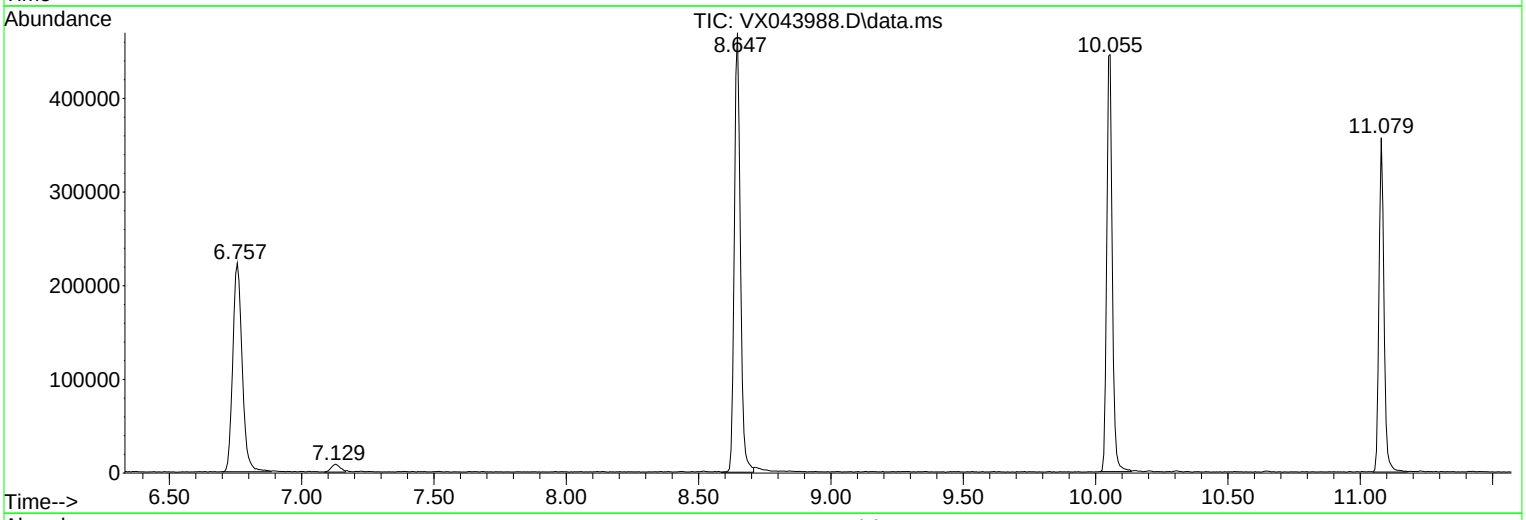
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

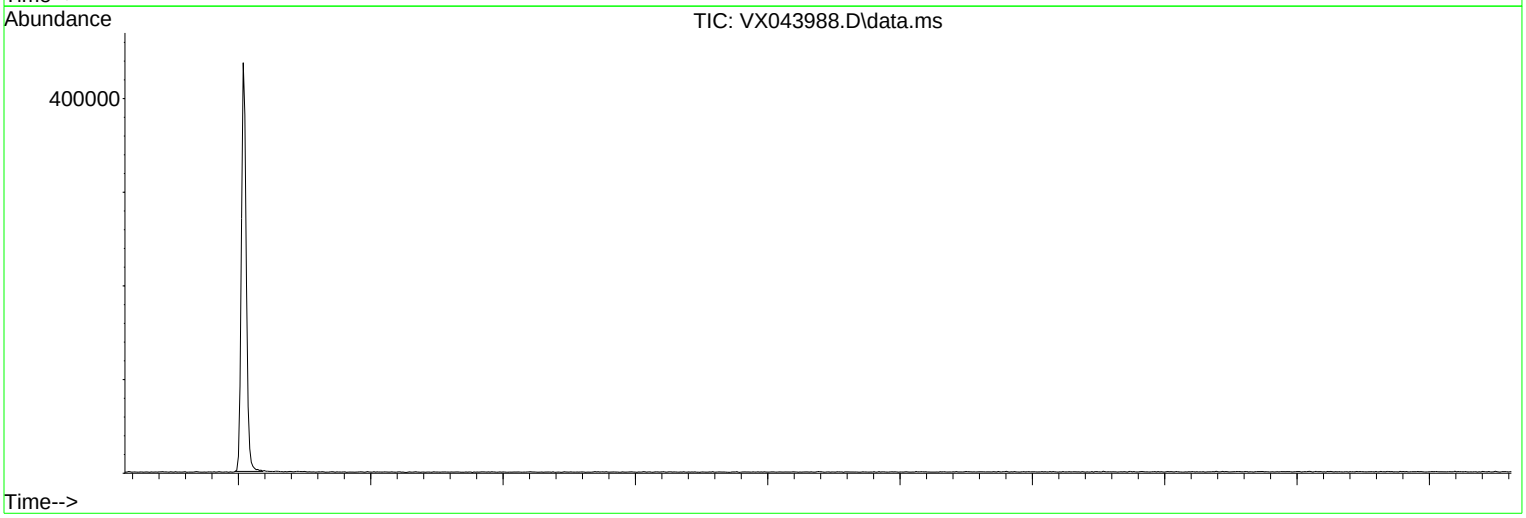
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

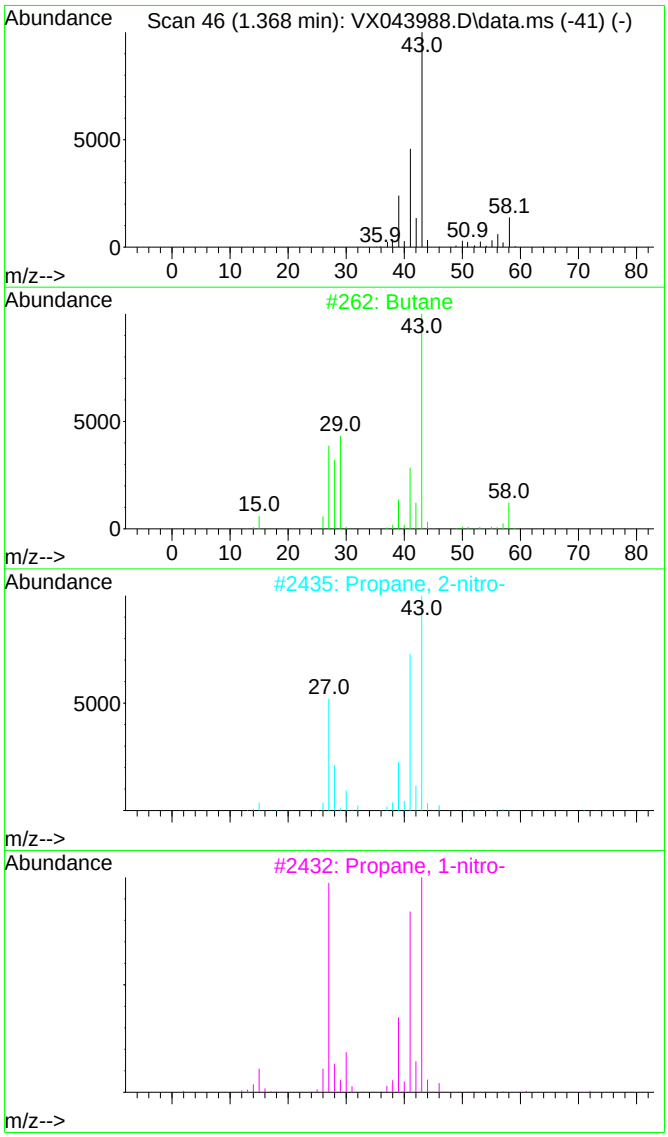
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

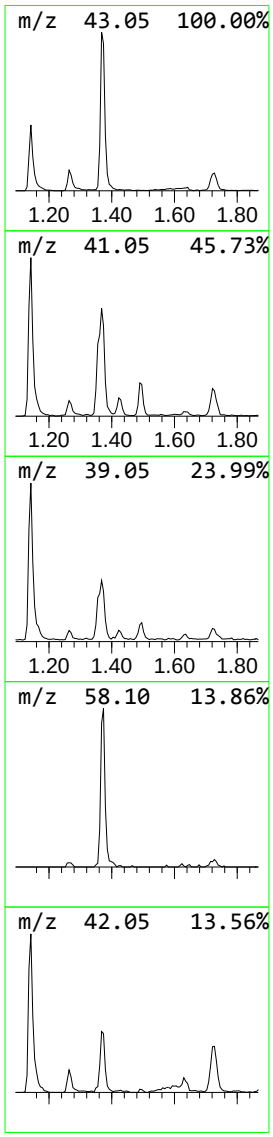
****

Peak Number 2 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.368	18.44 ug/l	142447	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	53
2	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
3	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
4	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

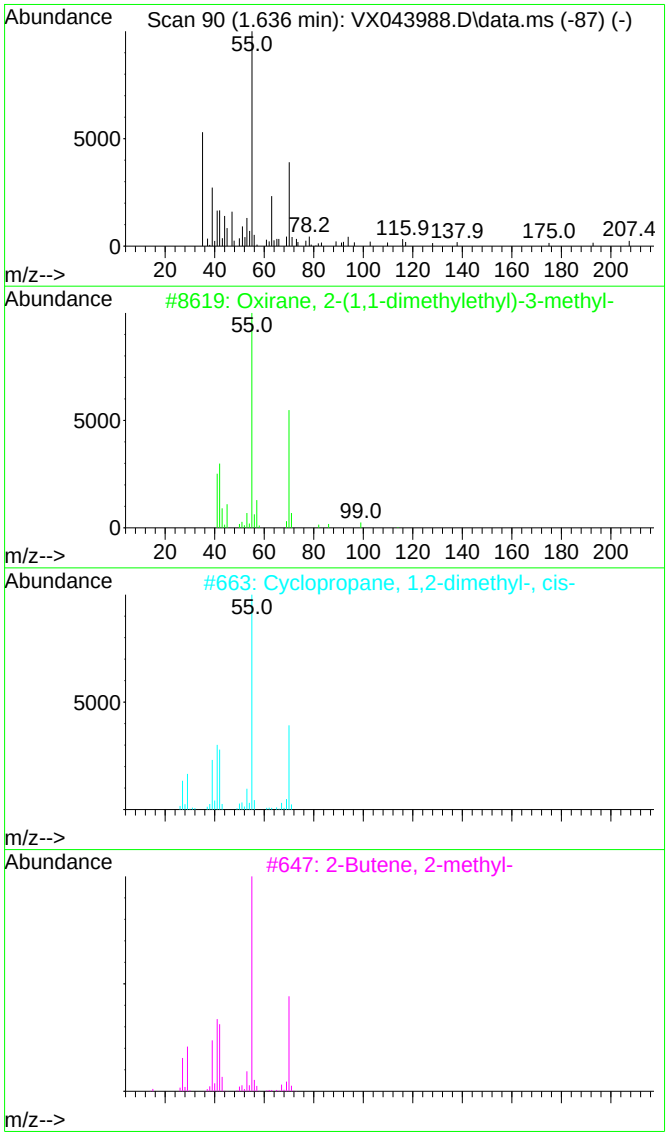
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

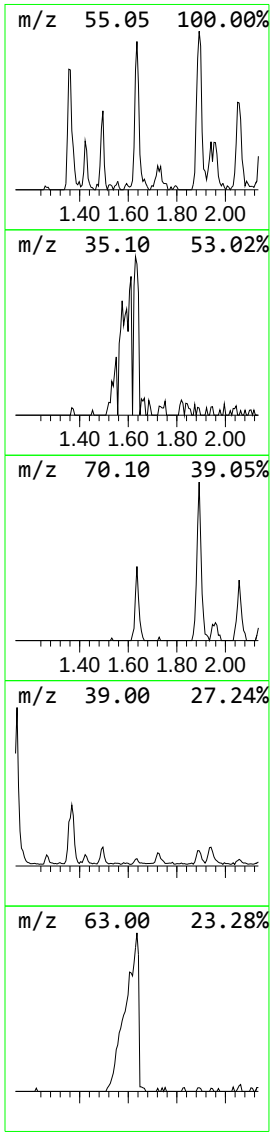
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown1.636 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.636	5.46 ug/l	42191	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-(1,1-dimethylethyl)-3...	114	C7H14O	053897-30-6	17
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	11
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	11
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	11
5	2-Pentene, (E)-	70	C5H10	000646-04-8	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

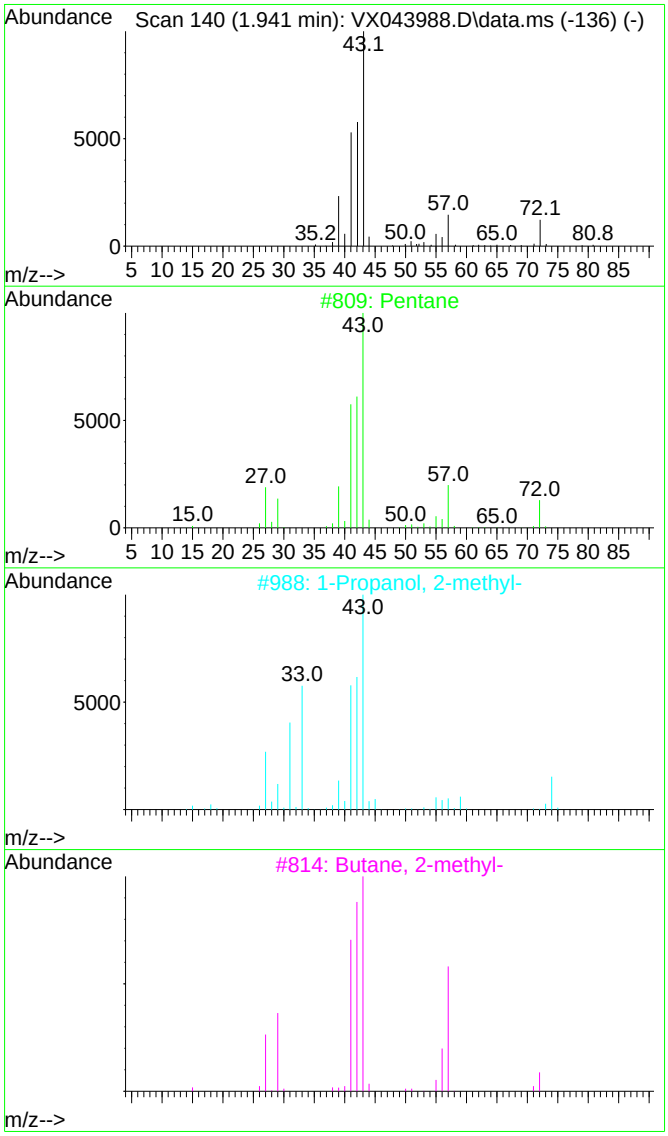
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

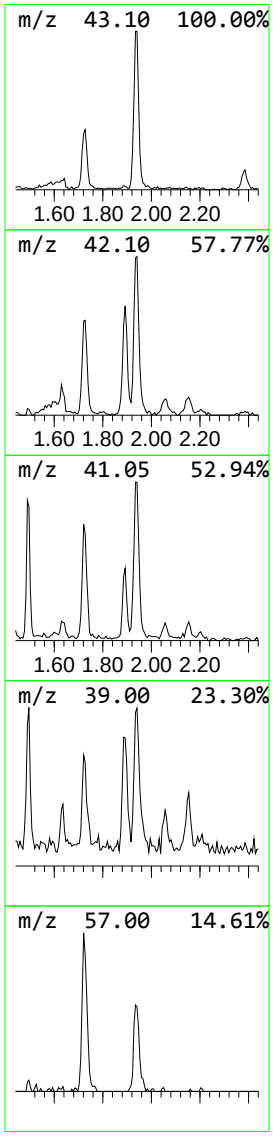
****

Peak Number 5 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.941	8.06 ug/l	62258	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38
3	Butane, 2-methyl-	72	C5H12	000078-78-4	12
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	9
5	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043988.D
Acq On : 25 Nov 2024 15:49
Operator : JC/MD
Sample : P4873-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-30-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane	1.368	18.4	ug/l	142447	1	5.544	386154	50.0
unknown1.636	1.636	5.5	ug/l	42191	1	5.544	386154	50.0
Pentane	1.941	8.1	ug/l	62258	1	5.544	386154	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	TB-2	SDG No.:	P4873
Lab Sample ID:	P4873-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043972.D	1		11/22/24 19:56	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	TB-2	SDG No.:	P4873
Lab Sample ID:	P4873-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043972.D	1		11/22/24 19:56	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.544				
540-36-3	1,4-Difluorobenzene	216000	6.757				
3114-55-4	Chlorobenzene-d5	189000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	77800	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	TB-2	SDG No.:	P4873
Lab Sample ID:	P4873-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043972.D	1		11/22/24 19:56	VX112224

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\VX112224\
Data File : VX043972.D
Acq On : 22 Nov 2024 19:56
Operator : JC/MD
Sample : P4873-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Quant Time: Nov 22 22:30:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

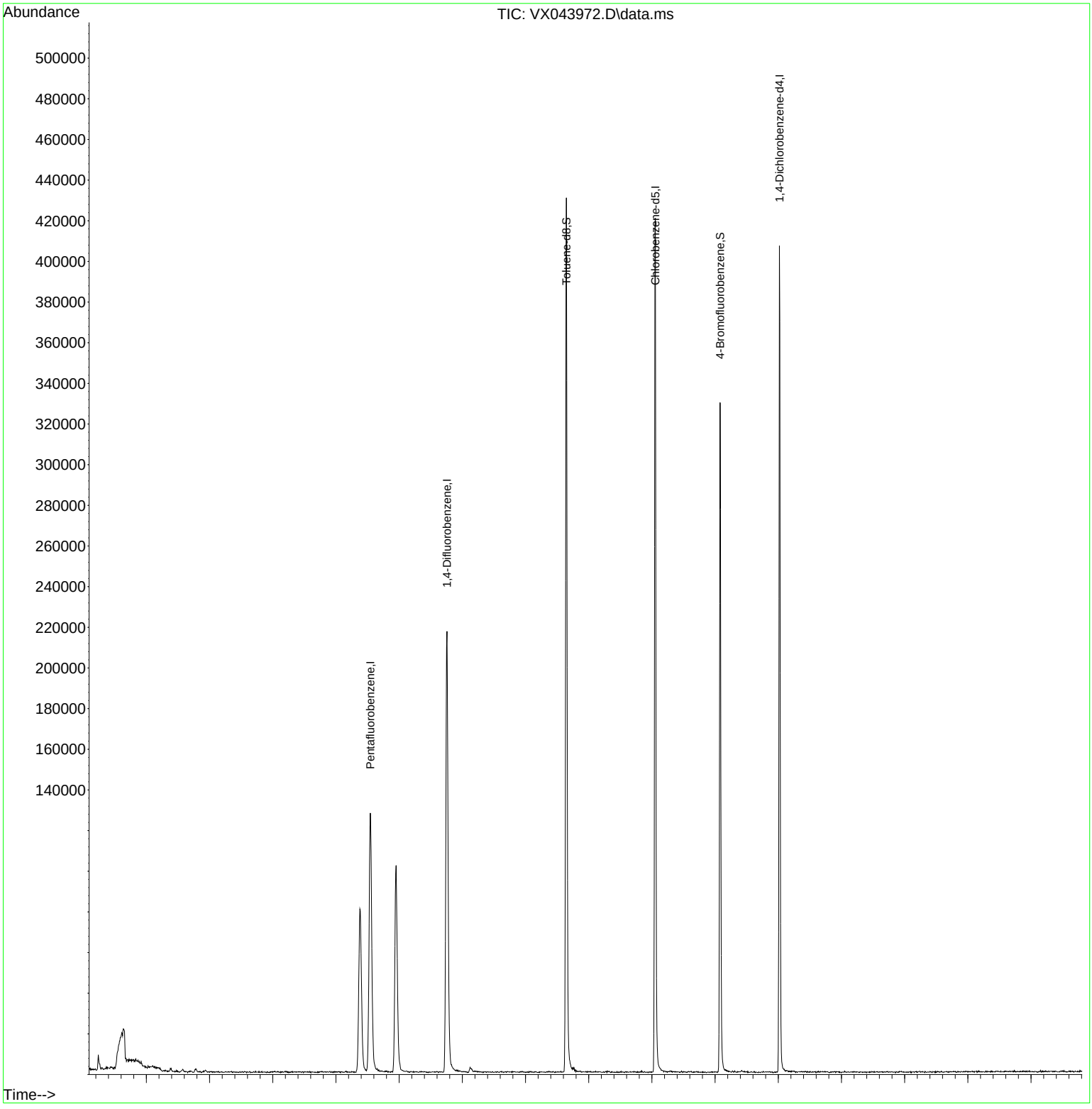
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	112888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97617	50.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.840%			
35) Dibromofluoromethane	5.379	113	69712	45.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.240%			
50) Toluene-d8	8.647	98	256585	48.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.340%			
62) 4-Bromofluorobenzene	11.079	95	86524	47.733	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.460%			
Target Compounds						Qvalue
16) Acetone	2.379	43	1465	1.647	ug/l #	83

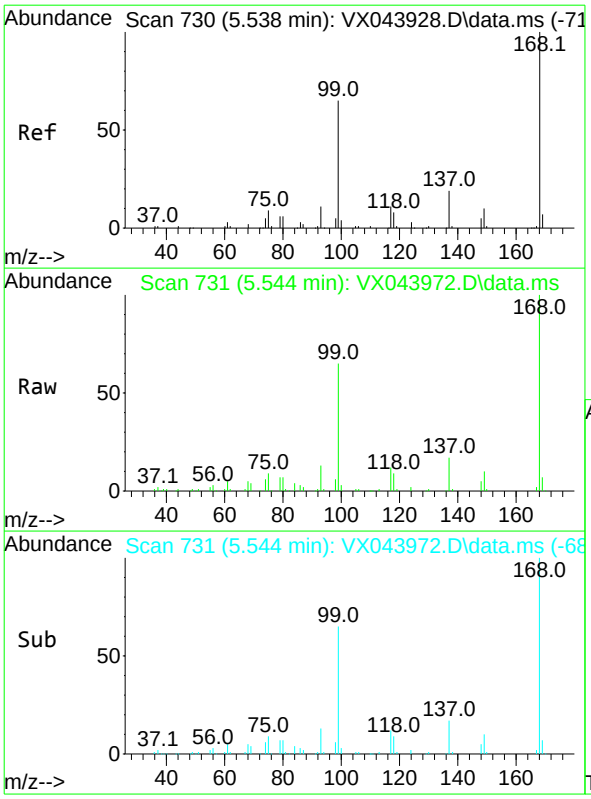
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043972.D
Acq On : 22 Nov 2024 19:56
Operator : JC/MD
Sample : P4873-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Quant Time: Nov 22 22:30:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



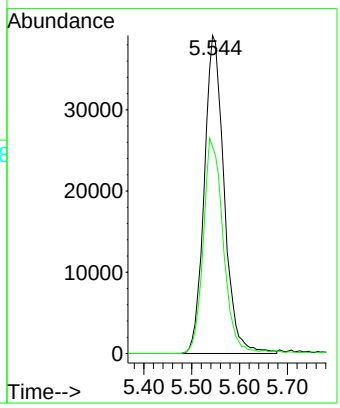


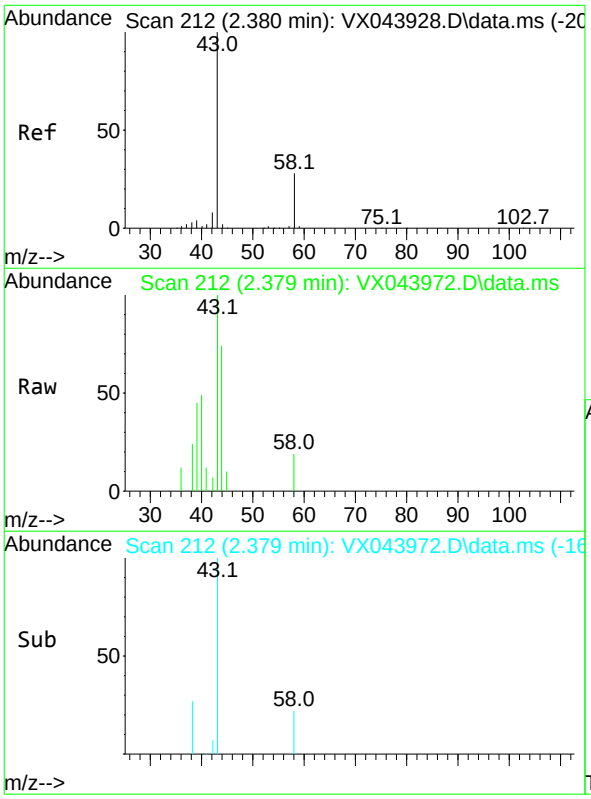
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Tgt Ion:168 Resp: 112888

Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.8	77.8

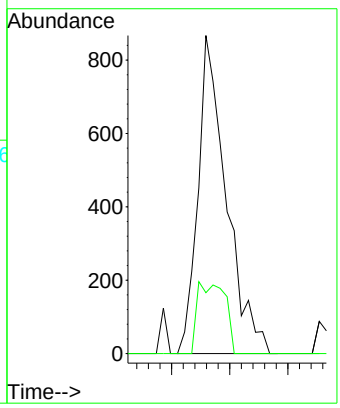


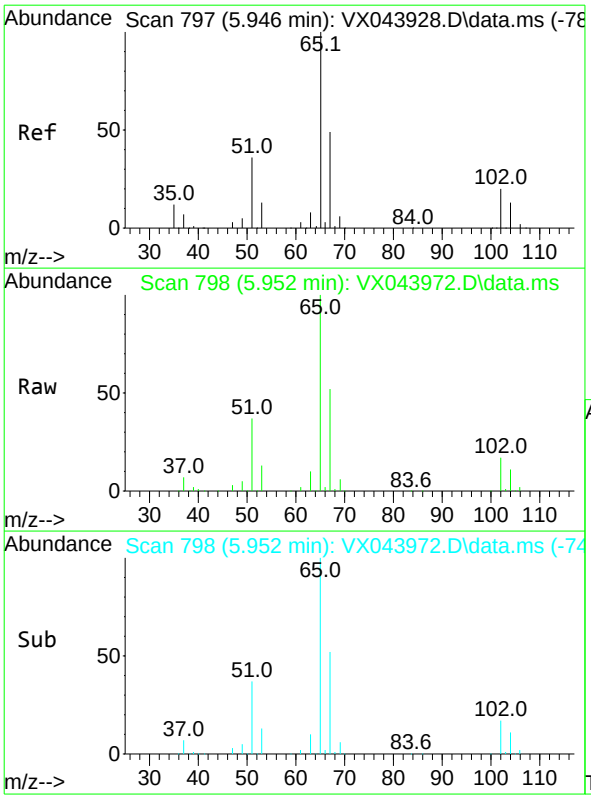


#16
Acetone
Concen: 1.647 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Tgt Ion: 43 Resp: 1465

Ion	Ratio	Lower	Upper
43	100		
58	19.1	22.7	34.1#



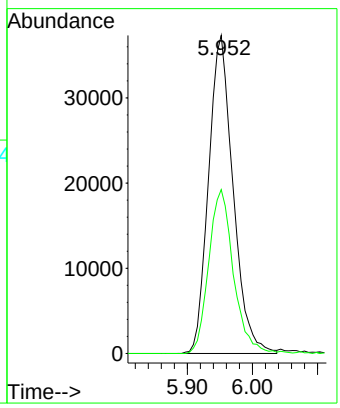


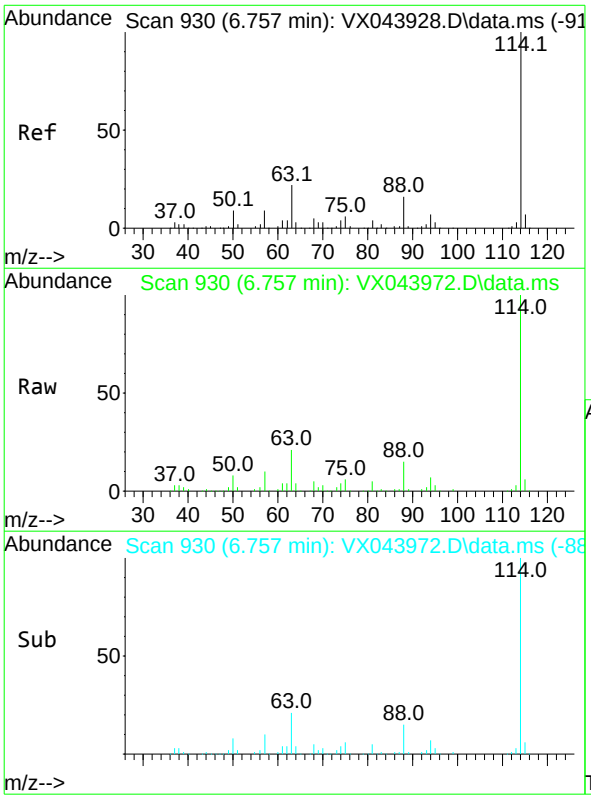
#33
1,2-Dichloroethane-d4
Concen: 50.416 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Tgt Ion: 65 Resp: 97617

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	100.8

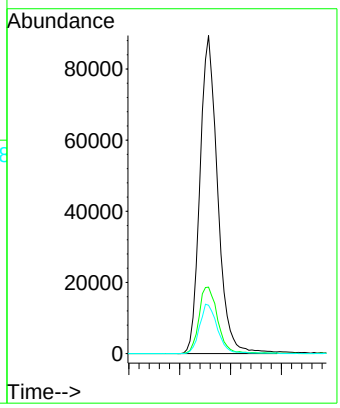


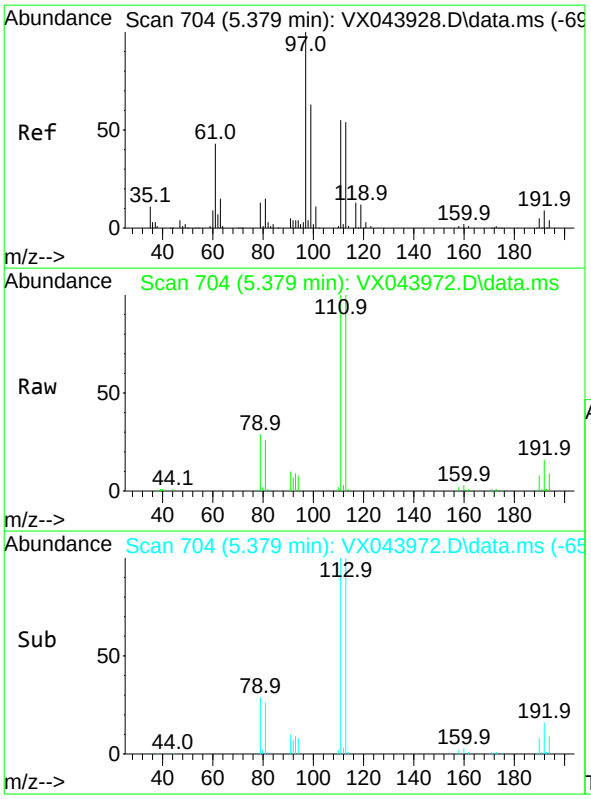


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Tgt Ion:114 Resp: 216240

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.0
88	15.2	0.0	32.4



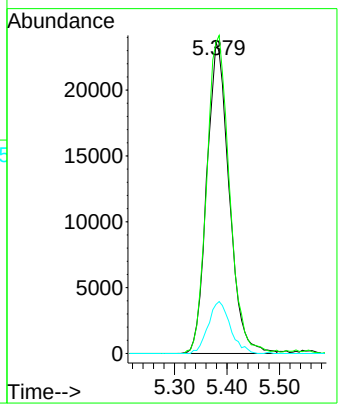


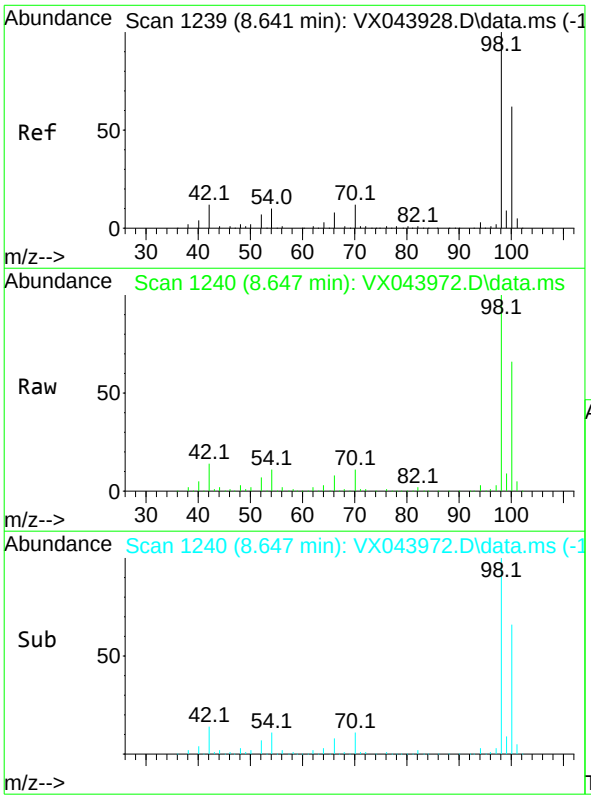
#35
Dibromofluoromethane
Concen: 45.117 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Tgt Ion:113 Resp: 69712

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.0	121.4
192	16.5	13.0	19.6

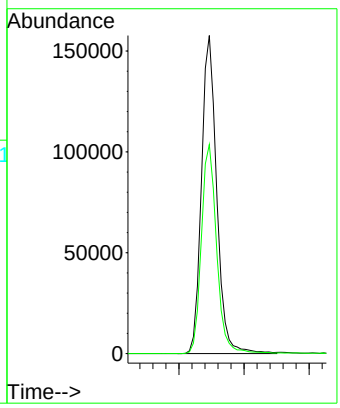


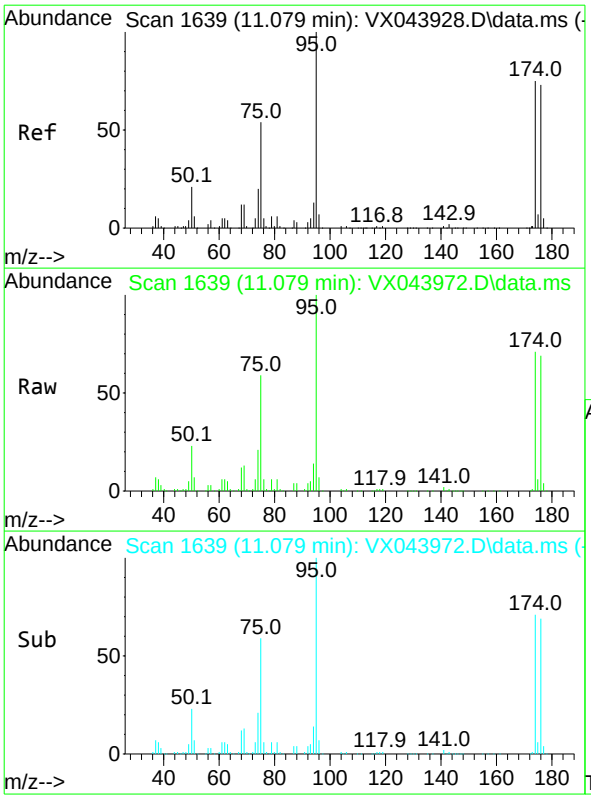


#50
Toluene-d8
Concen: 48.174 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Tgt Ion: 98 Resp: 256585

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0



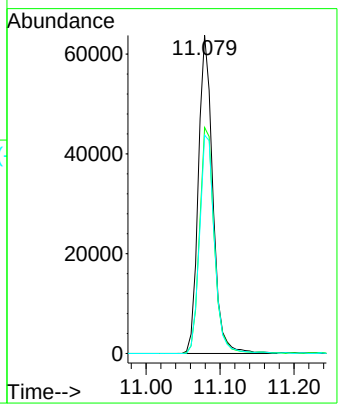


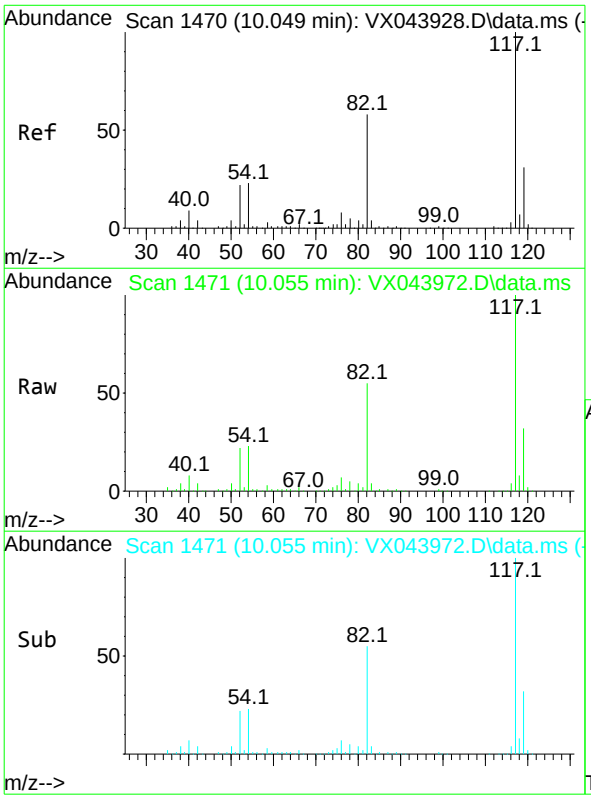
#62
4-Bromofluorobenzene
Concen: 47.733 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Tgt Ion: 95 Resp: 86524

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	150.4
176	70.6	0.0	146.0

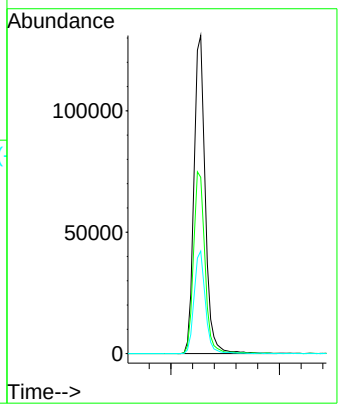


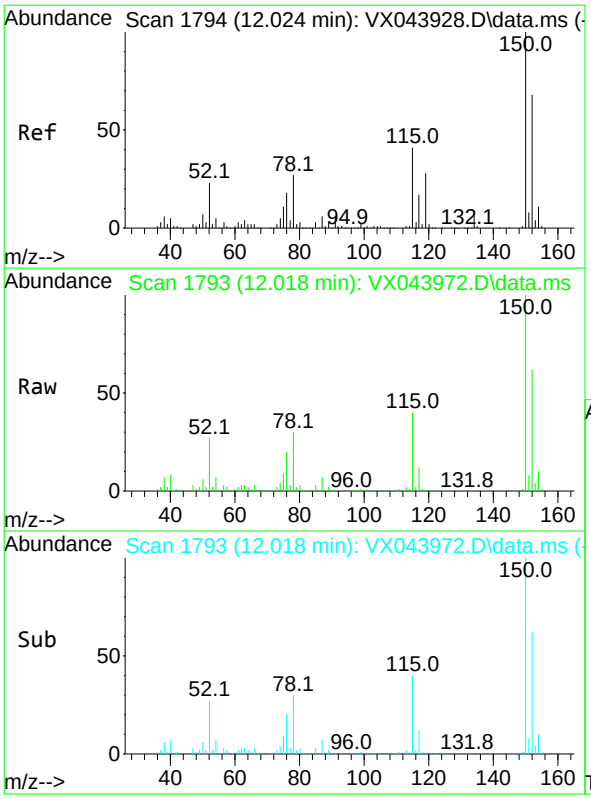


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Tgt Ion:117 Resp: 188871

Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.4	69.6
119	32.2	24.6	37.0



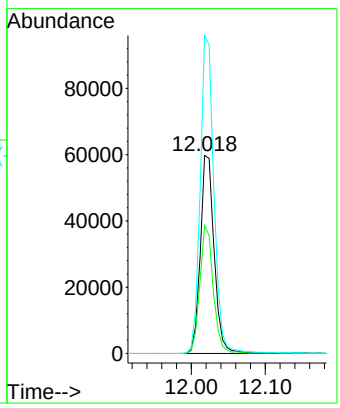


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043972.D
Acq: 22 Nov 2024 19:56

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Tgt Ion:152 Resp: 77834

Ion	Ratio	Lower	Upper
152	100		
115	62.7	45.4	136.2
150	159.1	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043972.D
Acq On : 22 Nov 2024 19:56
Operator : JC/MD
Sample : P4873-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043972.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	20	25	32	rBV2	7581	11689	1.65%	0.308%
2	1.611	69	86	88	rBV7	17463	76697	10.85%	2.023%
3	5.379	693	704	719	rBV2	80385	243047	34.39%	6.412%
4	5.544	721	731	748	rVV2	126822	367267	51.97%	9.690%
5	5.952	789	798	817	rBV2	101676	275303	38.96%	7.263%
6	6.757	919	930	947	rBV	216936	532477	75.35%	14.048%
7	8.647	1233	1240	1254	rBV	429894	706704	100.00%	18.645%
8	10.055	1465	1471	1490	rBV	420041	621581	87.95%	16.399%
9	11.079	1634	1639	1651	rBV	329171	439896	62.25%	11.606%
10	12.018	1788	1793	1805	rBV	406481	515683	72.97%	13.605%

Sum of corrected areas: 3790344

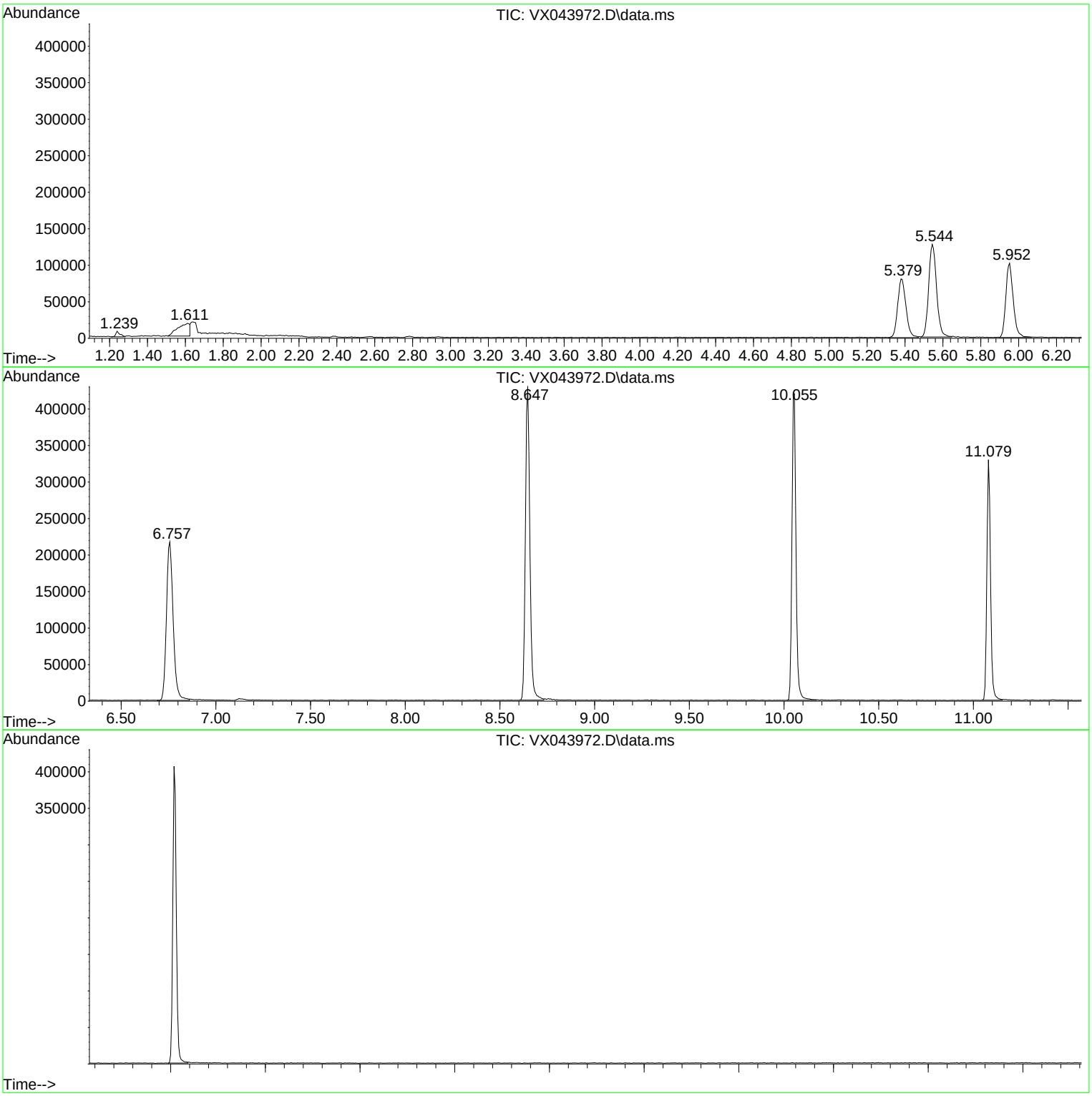
Sample Results: **VX043972.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043972.D
Acq On : 22 Nov 2024 19:56
Operator : JC/MD
Sample : P4873-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043972.D
Acq On : 22 Nov 2024 19:56
Operator : JC/MD
Sample : P4873-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043972.D
Acq On : 22 Nov 2024 19:56
Operator : JC/MD
Sample : P4873-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-19-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043989.D	1		11/25/24 16:12	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.90		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-19-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043989.D	1		11/25/24 16:12	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	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	46.9		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.549				
540-36-3	1,4-Difluorobenzene	237000	6.757				
3114-55-4	Chlorobenzene-d5	204000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	83700	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-19-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043989.D	1		11/25/24 16:12	VX112524

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\VX112524\
Data File : VX043989.D
Acq On : 25 Nov 2024 16:12
Operator : JC/MD
Sample : P4873-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Quant Time: Nov 26 00:50:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

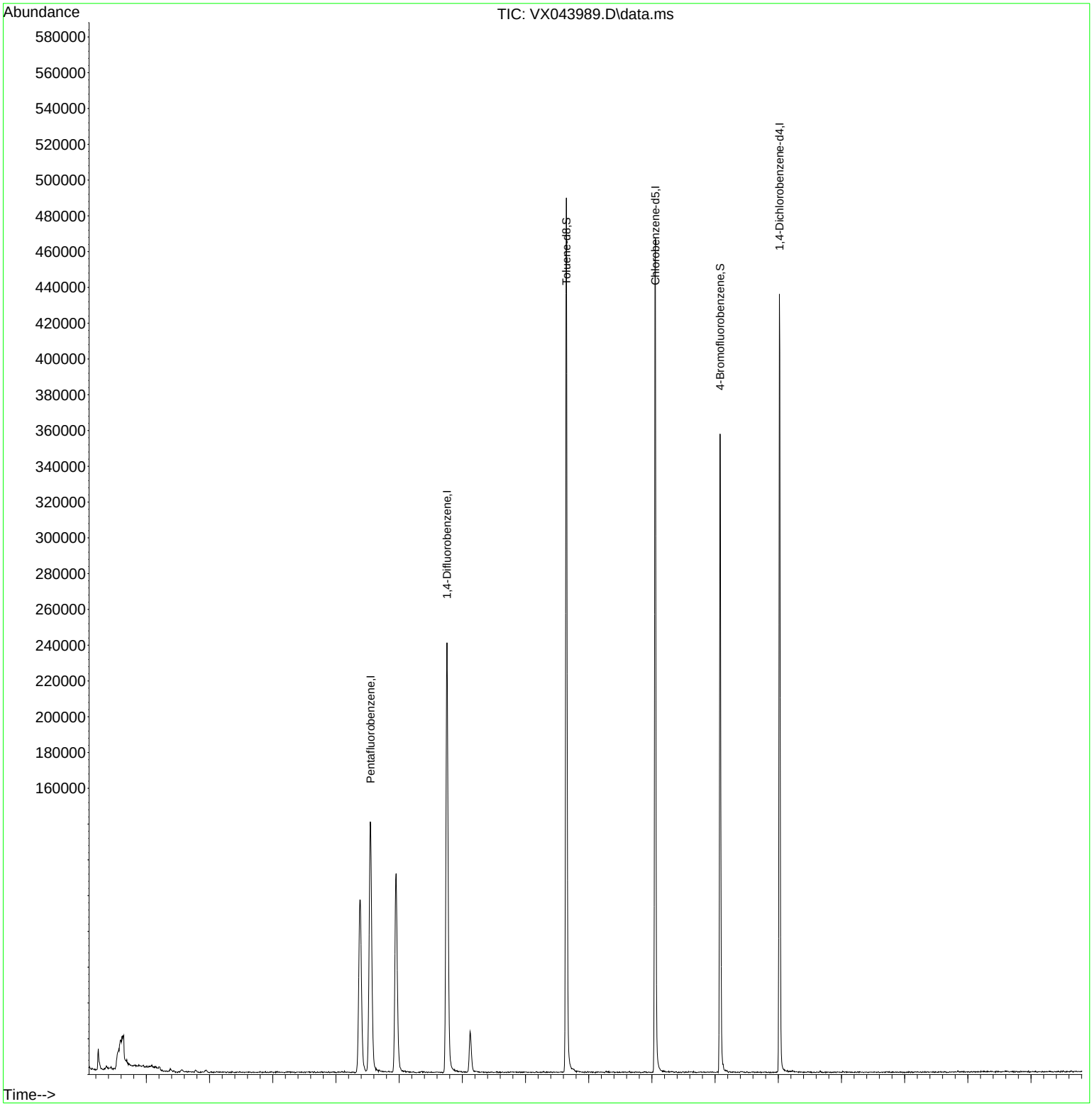
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	122379	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	236964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108381	51.634	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.260%			
35) Dibromofluoromethane	5.379	113	79345	46.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.720%			
50) Toluene-d8	8.646	98	287176	49.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	11.079	95	91476	46.051	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.100%			
Target Compounds						Qvalue
16) Acetone	2.379	43	1318	1.367	ug/l	89
44) Trichloroethene	7.122	130	9081	4.881	ug/l	84

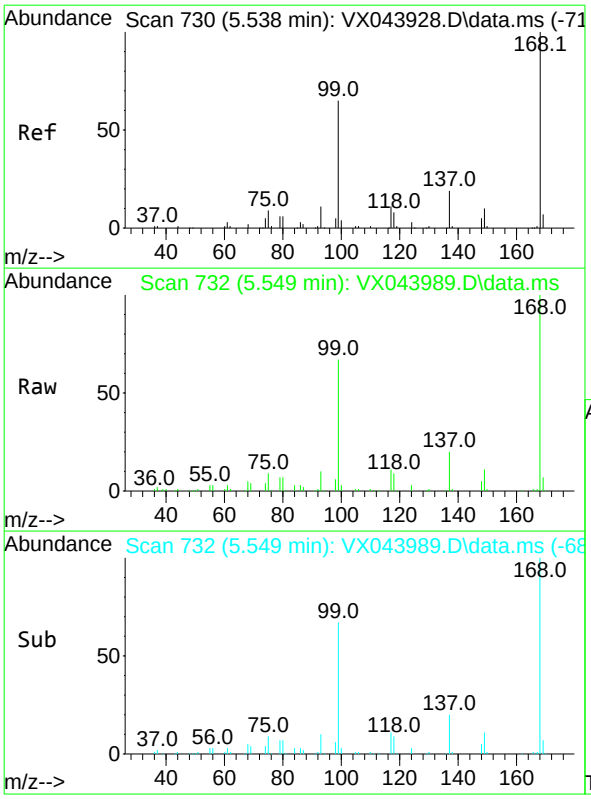
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043989.D
Acq On : 25 Nov 2024 16:12
Operator : JC/MD
Sample : P4873-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Quant Time: Nov 26 00:50:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



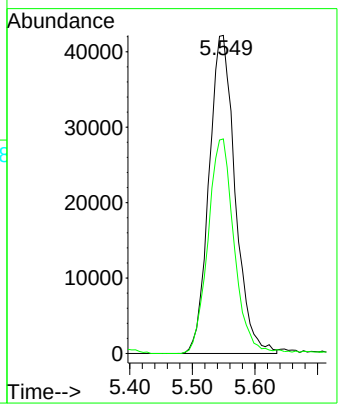


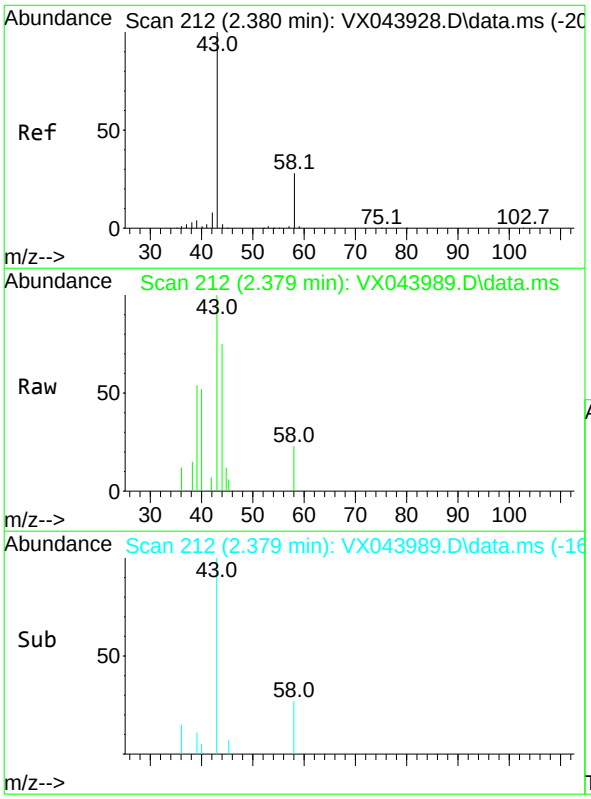
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 73
Delta R.T. 0.011 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Tgt Ion:168 Resp: 122379

Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8

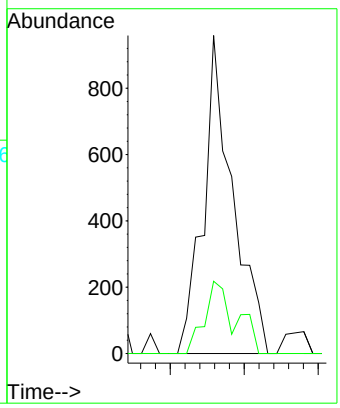


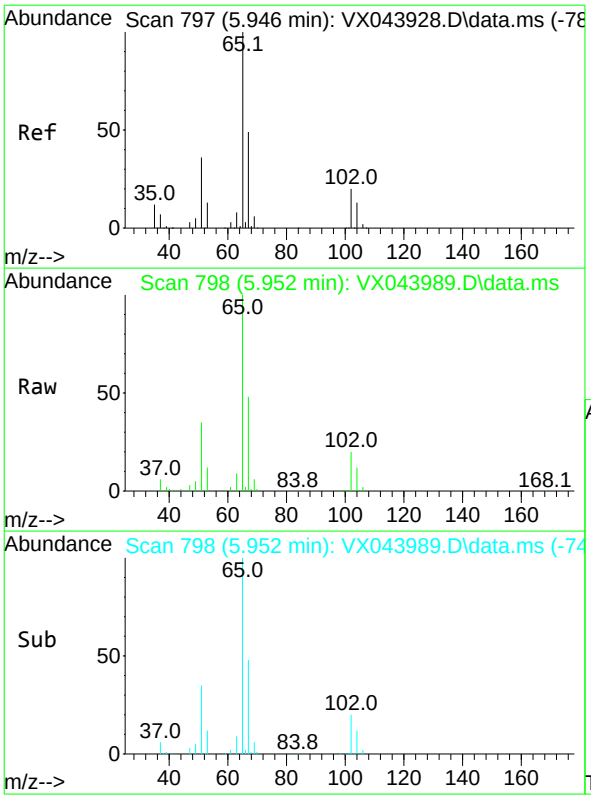


#16
Acetone
Concen: 1.367 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Tgt Ion: 43 Resp: 1318

Ion	Ratio	Lower	Upper
43	100		
58	22.7	22.7	34.1



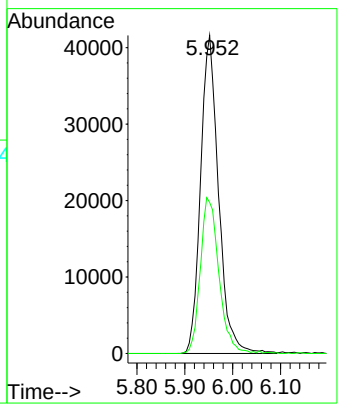


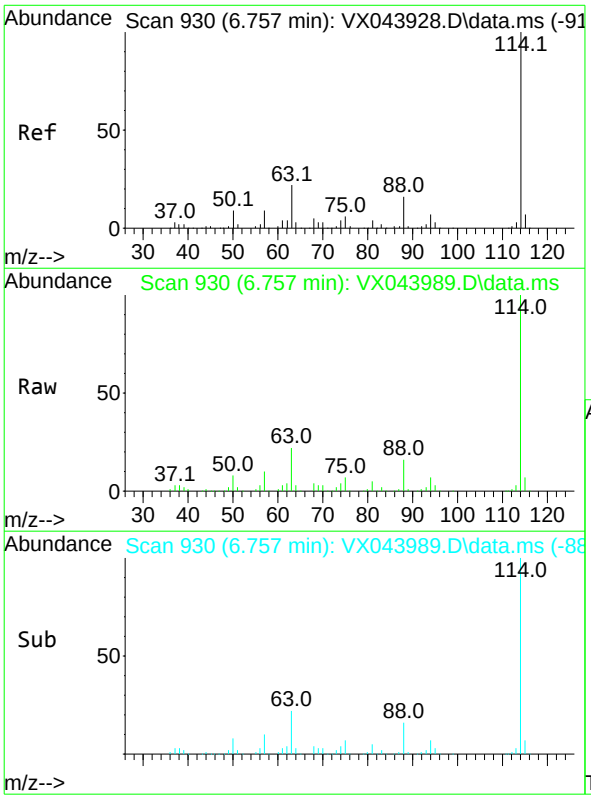
#33
1,2-Dichloroethane-d4
Concen: 51.634 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Tgt Ion: 65 Resp: 108381

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8

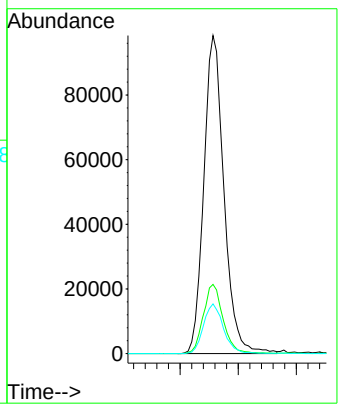


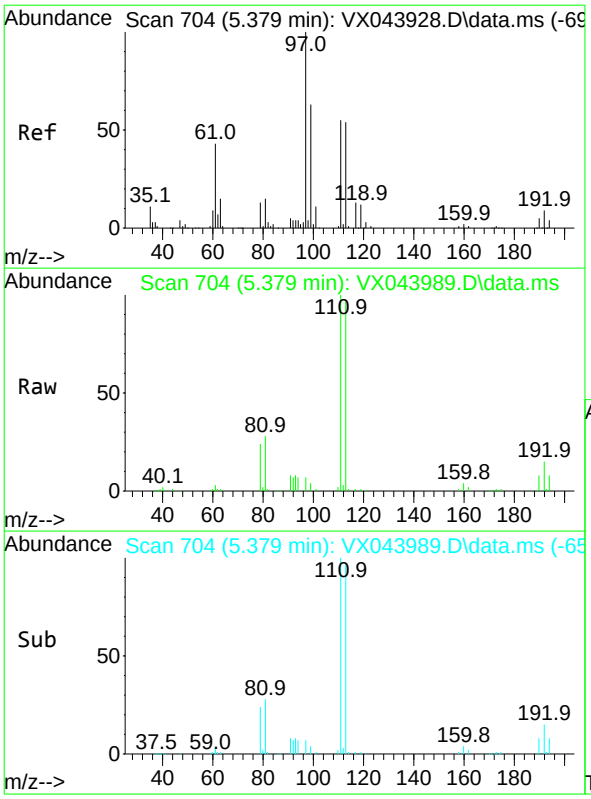


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Tgt Ion:114 Resp: 236964

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	15.6	0.0	32.4



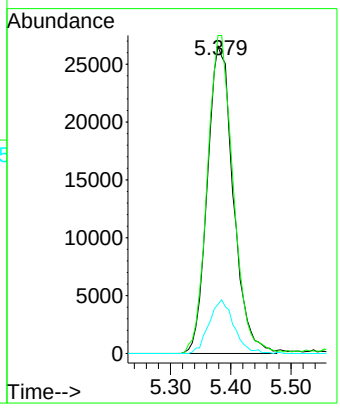


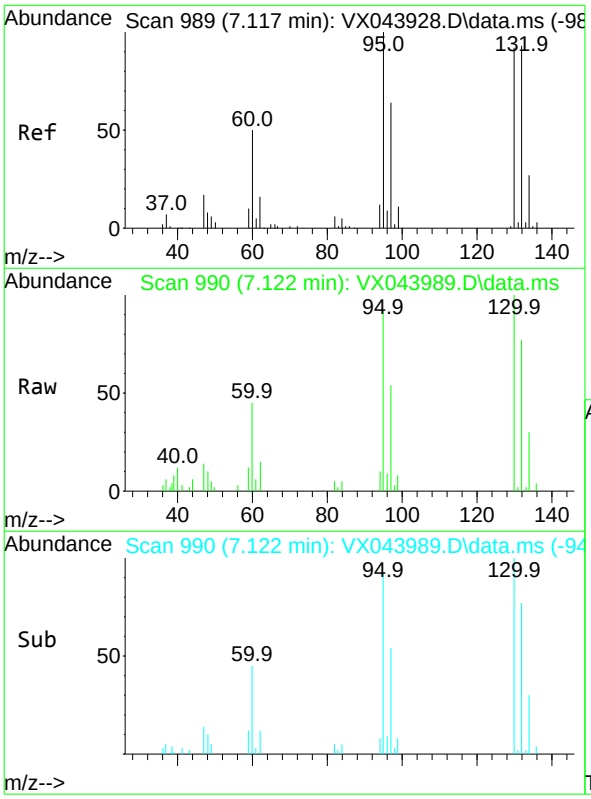
#35
Dibromofluoromethane
Concen: 46.860 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Tgt Ion:113 Resp: 79345

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.4
192	16.8	13.0	19.6

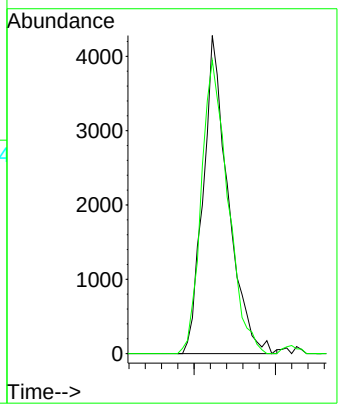


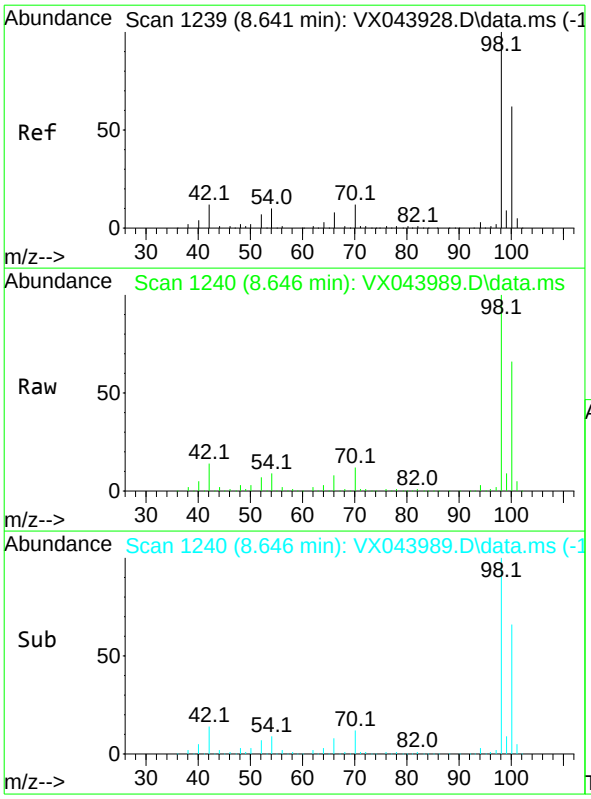


#44
Trichloroethene
Concen: 4.881 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Tgt Ion:130 Resp: 9081

Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	217.8



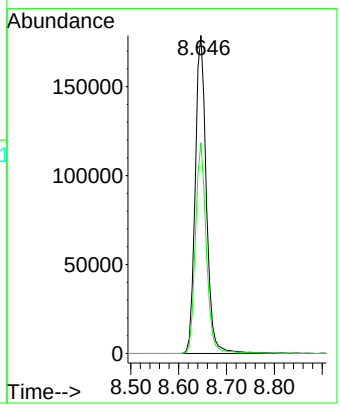


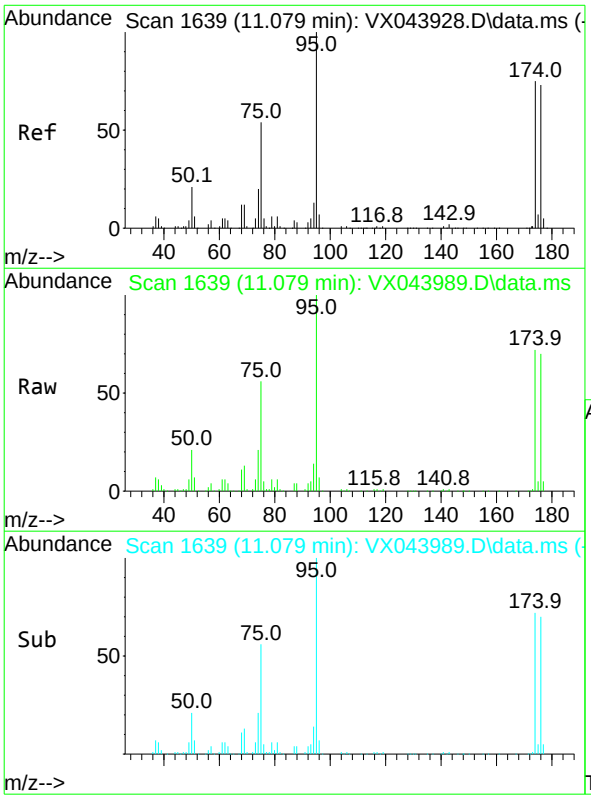
#50
Toluene-d8
Concen: 49.202 ug/l
RT: 8.646 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Tgt Ion: 98 Resp: 287176

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0

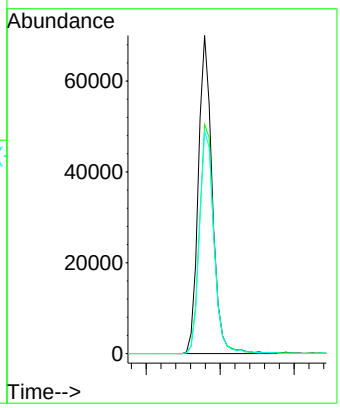


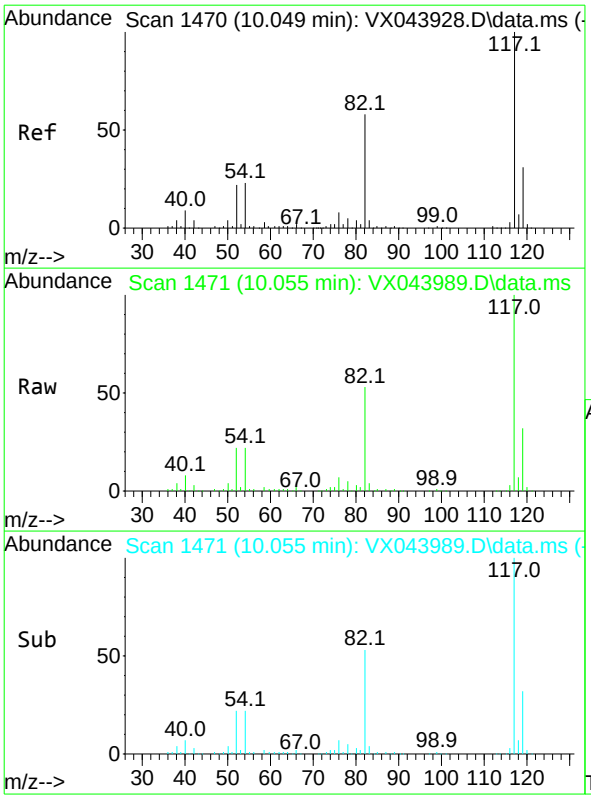


#62
4-Bromofluorobenzene
Concen: 46.051 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Tgt Ion: 95 Resp: 91476

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	150.4
176	72.7	0.0	146.0



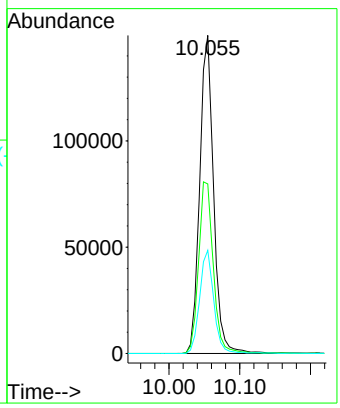


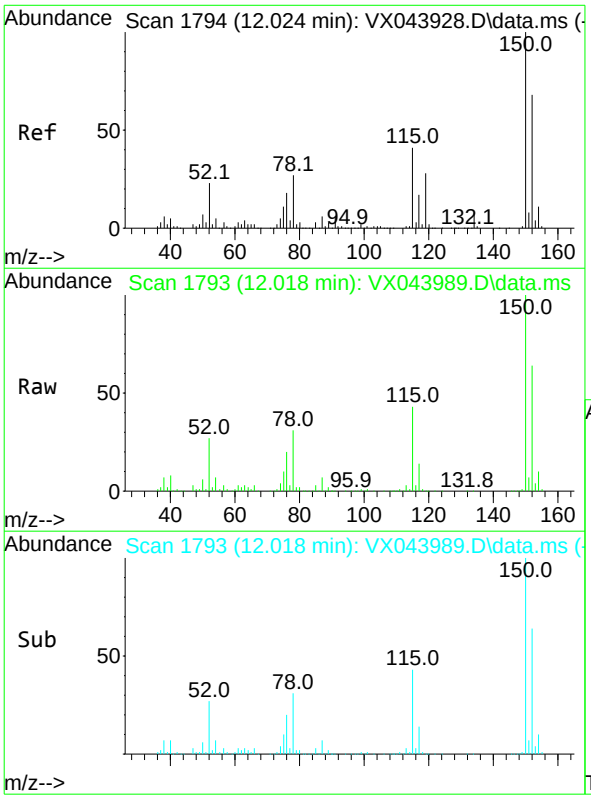
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Tgt Ion:117 Resp: 204246

Ion	Ratio	Lower	Upper
117	100		
82	53.3	46.4	69.6
119	32.4	24.6	37.0

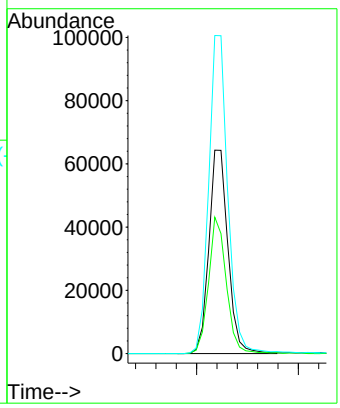




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VX043989.D
Acq: 25 Nov 2024 16:12

Tgt Ion:152 Resp: 83659

Ion	Ratio	Lower	Upper
152	100		
115	62.6	45.4	136.2
150	158.1	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043989.D
Acq On : 25 Nov 2024 16:12
Operator : JC/MD
Sample : P4873-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043989.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	32	rBV2	11545	16026	2.04%	0.383%
2	1.593	69	83	85	rBV6	16218	59010	7.51%	1.411%
3	5.379	691	704	719	rBV	96773	295943	37.68%	7.078%
4	5.543	719	731	745	rVV	139445	402179	51.21%	9.619%
5	5.952	787	798	814	rBV2	111085	296851	37.80%	7.100%
6	6.757	919	930	949	rBV	240554	578595	73.68%	13.838%
7	7.122	982	990	1000	rBV2	22804	53431	6.80%	1.278%
8	8.646	1232	1240	1255	rBV	488855	785308	100.00%	18.783%
9	10.055	1465	1471	1491	rBV	466392	667551	85.00%	15.966%
10	11.079	1634	1639	1652	rBV	356990	472739	60.20%	11.307%
11	12.018	1788	1793	1806	rBV	434842	553429	70.47%	13.237%

Sum of corrected areas: 4181062

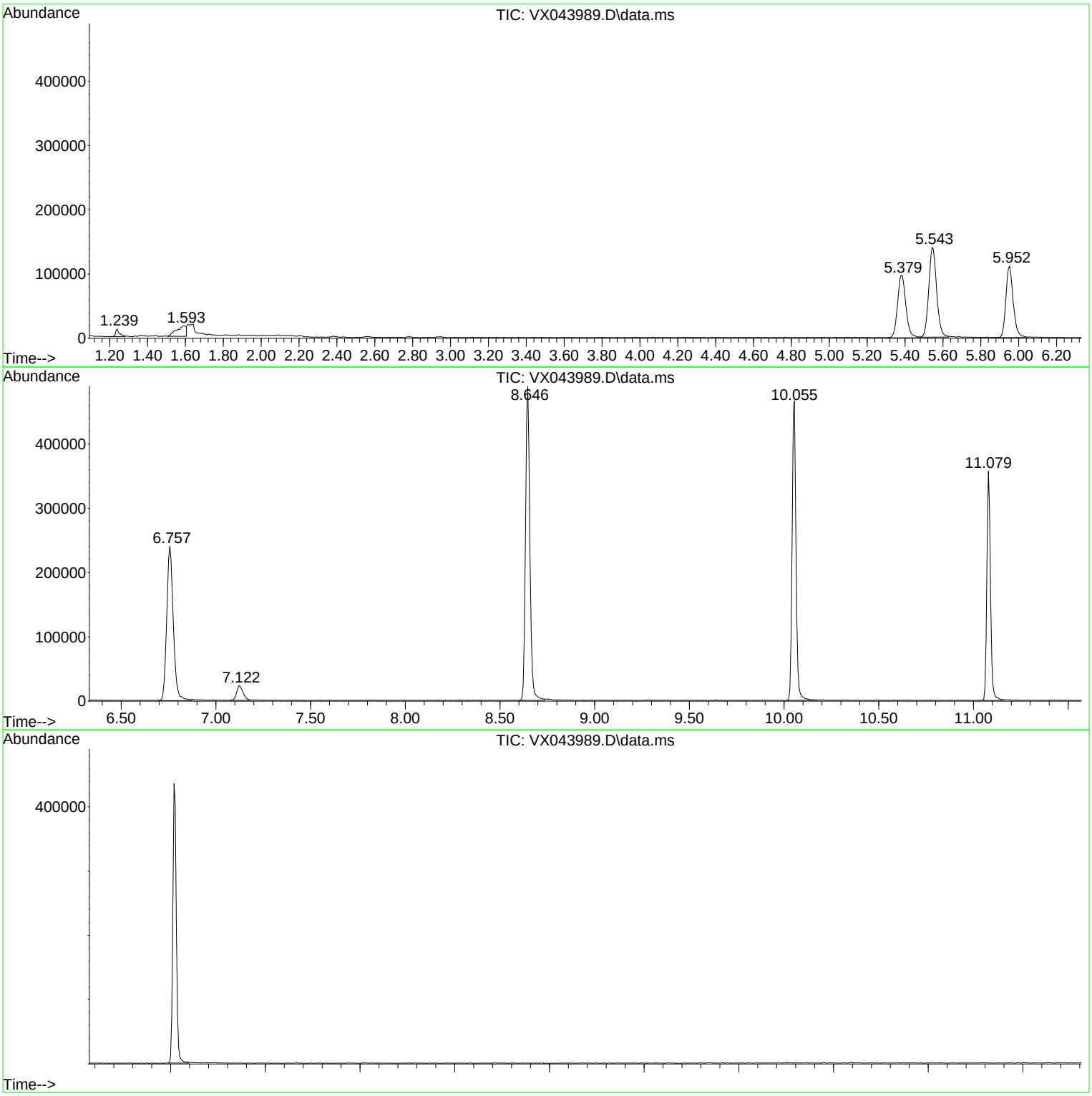
Sample Results: **VX043989.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043989.D
Acq On : 25 Nov 2024 16:12
Operator : JC/MD
Sample : P4873-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043989.D
Acq On : 25 Nov 2024 16:12
Operator : JC/MD
Sample : P4873-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043989.D
Acq On : 25 Nov 2024 16:12
Operator : JC/MD
Sample : P4873-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-19-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-32-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043990.D	1		11/25/24 16:35	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.5		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	47.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-32-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043990.D	1		11/25/24 16:35	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.544				
540-36-3	1,4-Difluorobenzene	214000	6.757				
3114-55-4	Chlorobenzene-d5	187000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	77600	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-32-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043990.D	1		11/25/24 16:35	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.605	8.70	J			1.61	ug/L
	unknown1.636	6.20	J			1.64	ug/L

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\VX112524\
Data File : VX043990.D
Acq On : 25 Nov 2024 16:35
Operator : JC/MD
Sample : P4873-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Quant Time: Nov 26 00:50:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

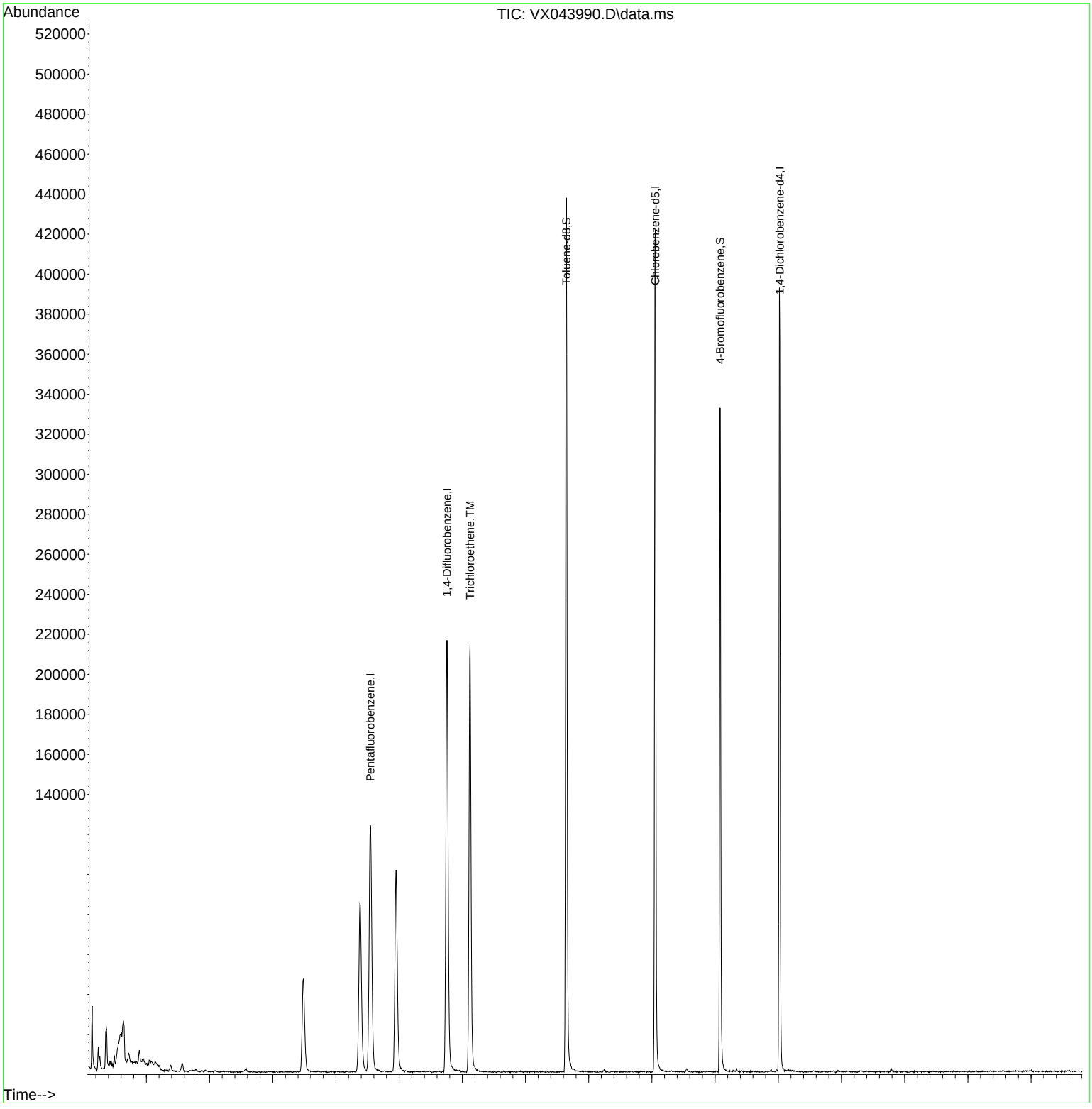
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	113361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98009	50.407	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.820%			
35) Dibromofluoromethane	5.385	113	73131	47.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.640%			
50) Toluene-d8	8.647	98	260964	49.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	84479	47.090	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.180%			
Target Compounds						Qvalue
16) Acetone	2.386	43	3293	3.687	ug/l #	89
27) cis-1,2-Dichloroethene	4.483	96	29183	17.506	ug/l	89
44) Trichloroethene	7.123	130	80066	47.648	ug/l	91

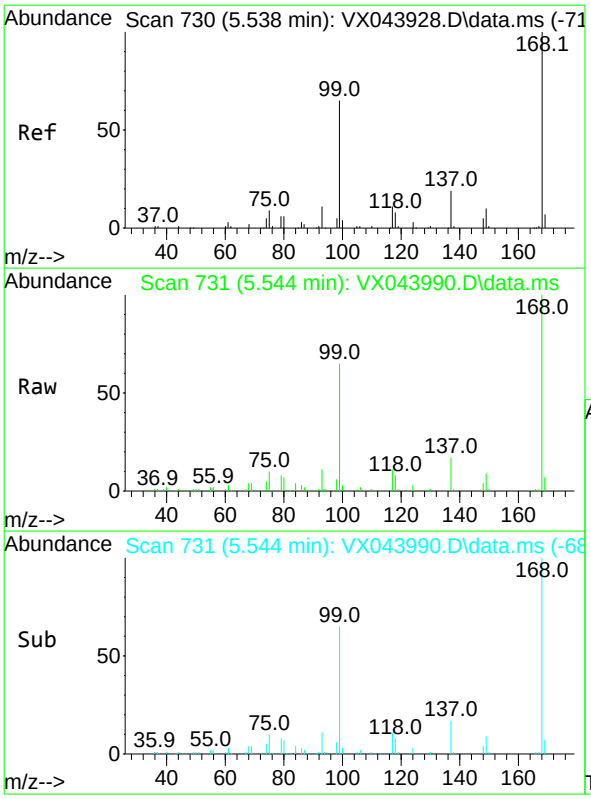
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043990.D
Acq On : 25 Nov 2024 16:35
Operator : JC/MD
Sample : P4873-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Quant Time: Nov 26 00:50:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



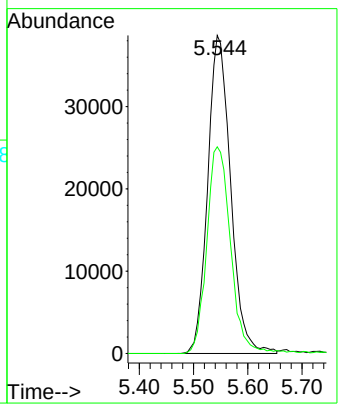


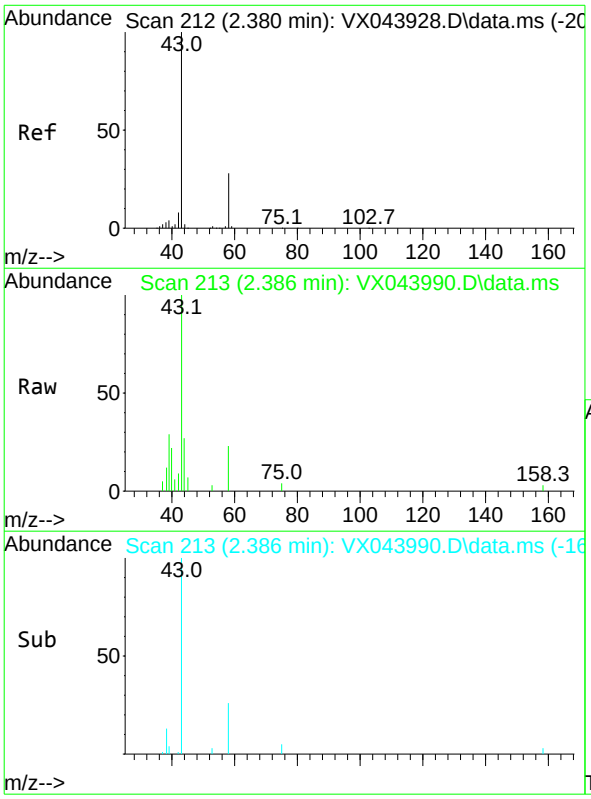
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Tgt Ion:168 Resp: 113361

Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.8	77.8

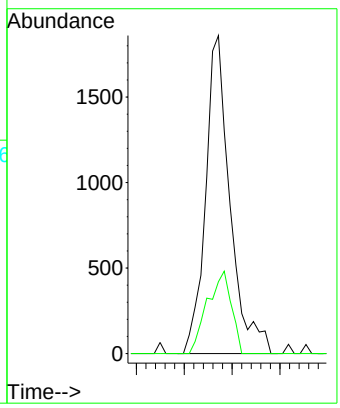


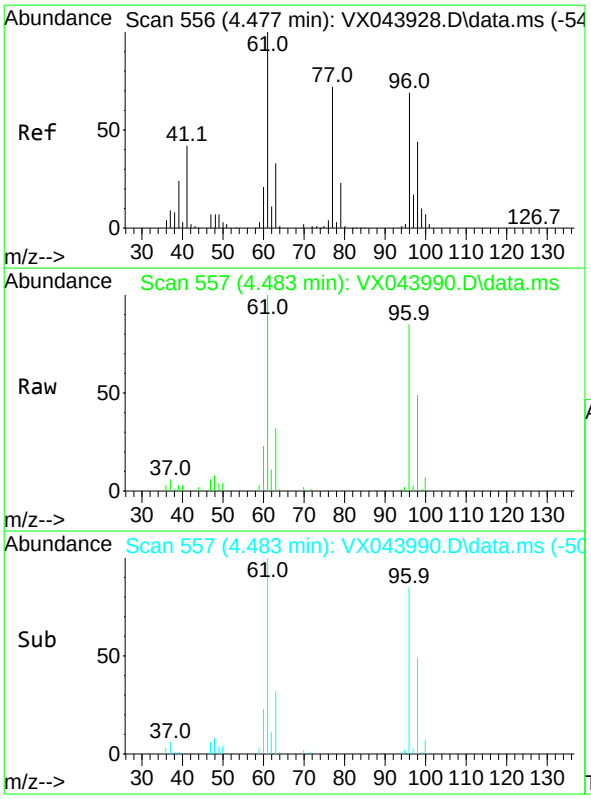


#16
Acetone
Concen: 3.687 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Tgt Ion: 43 Resp: 3293

Ion	Ratio	Lower	Upper
43	100		
58	22.6	22.7	34.1#



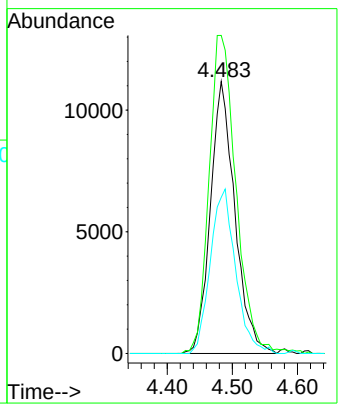


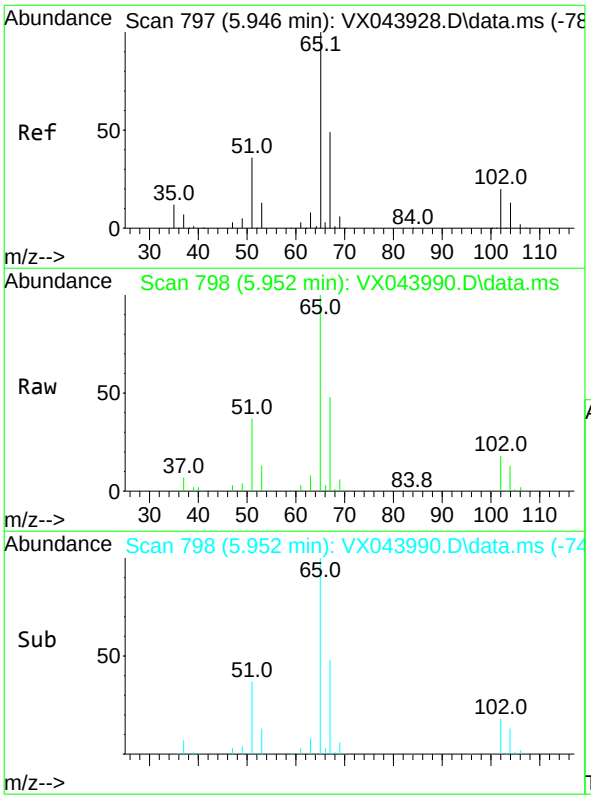
#27
cis-1,2-Dichloroethene
Concen: 17.506 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Tgt Ion: 96 Resp: 29183

Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	297.4
98	62.7	0.0	127.8

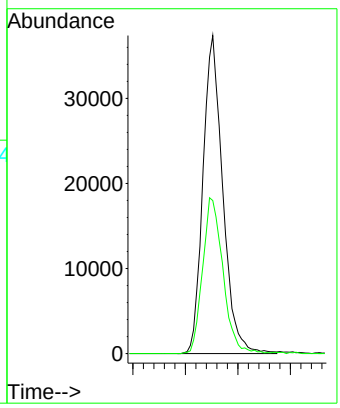


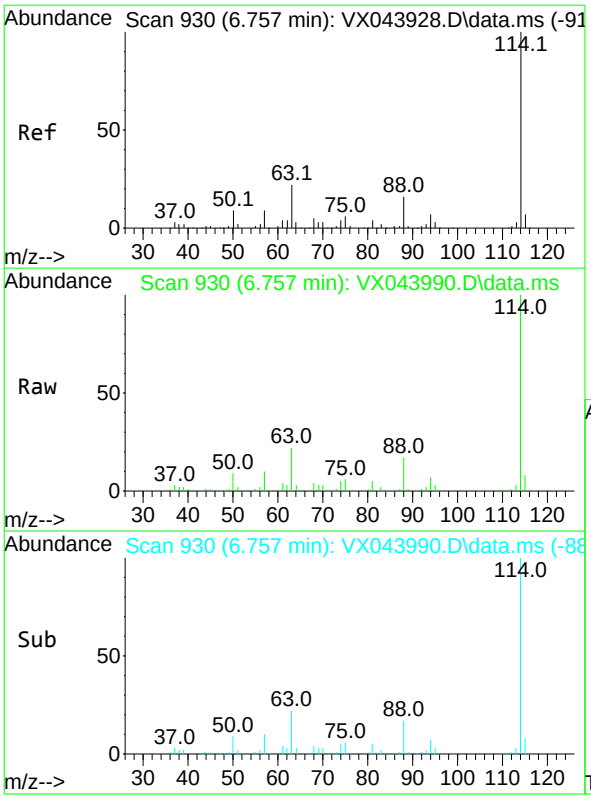


#33
1,2-Dichloroethane-d4
Concen: 50.407 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Tgt Ion: 65 Resp: 98009

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8



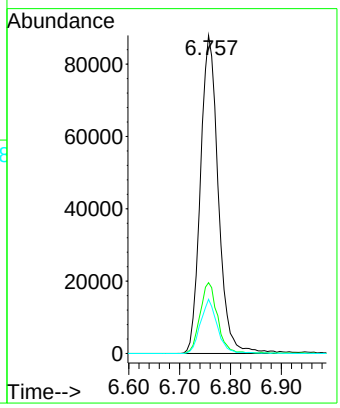


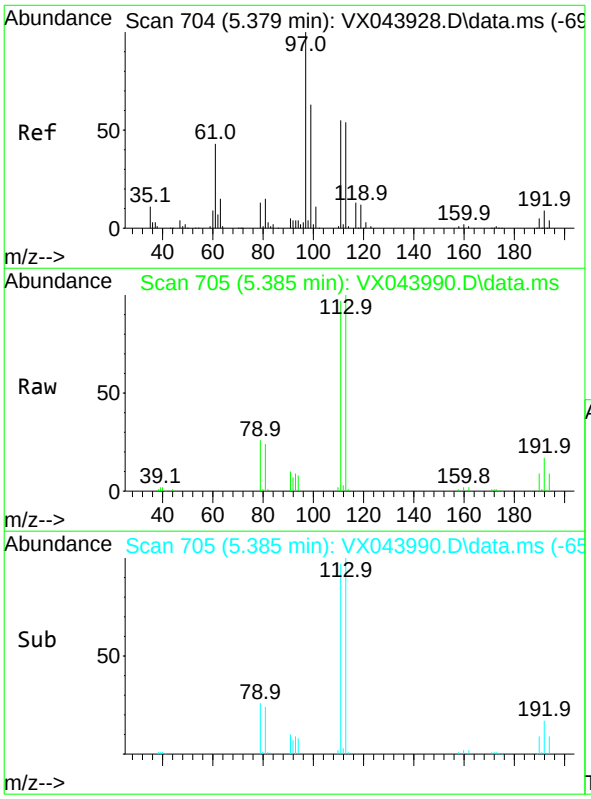
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Tgt Ion:114 Resp: 214013

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.0	0.0	32.4

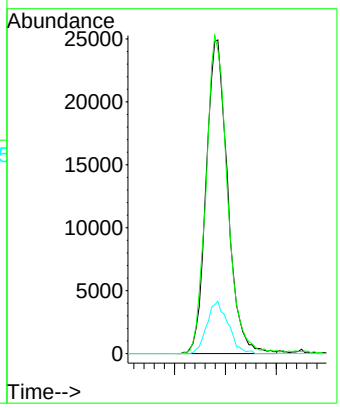


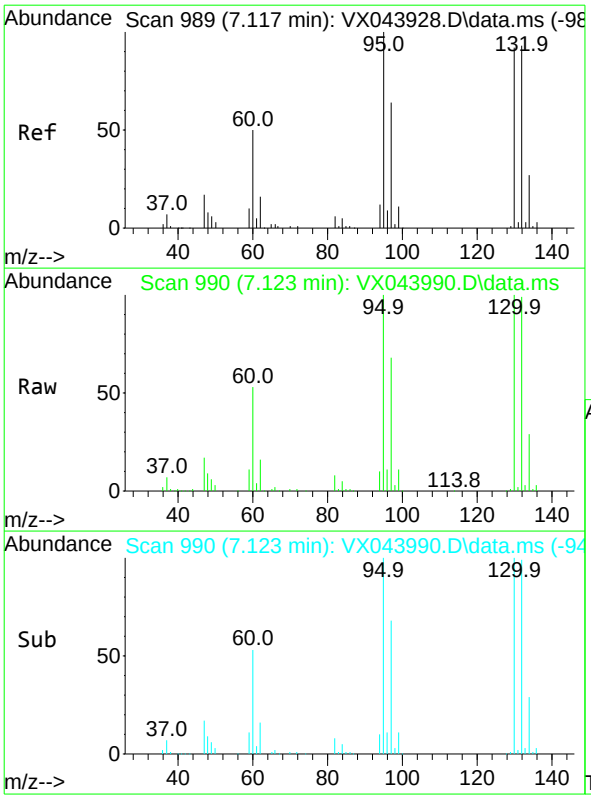


#35
Dibromofluoromethane
Concen: 47.822 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Tgt Ion:113 Resp: 73131

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	16.5	13.0	19.6



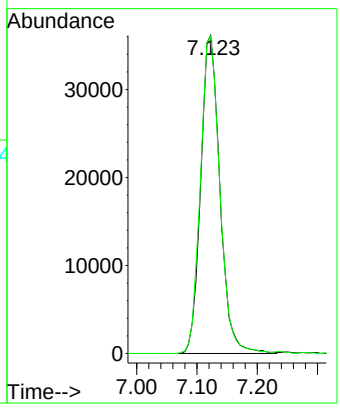


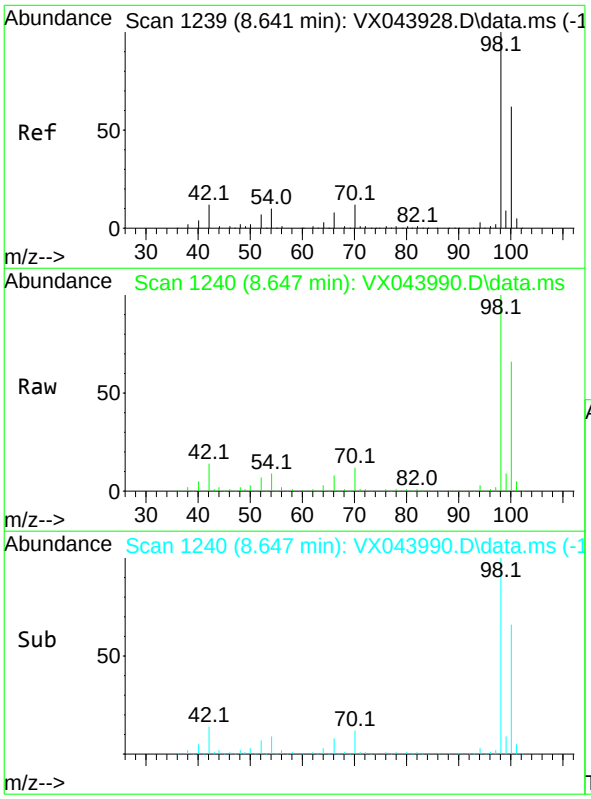
#44
Trichloroethene
Concen: 47.648 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Tgt Ion:130 Resp: 80066

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	217.8

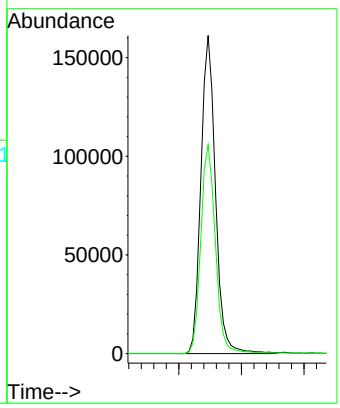


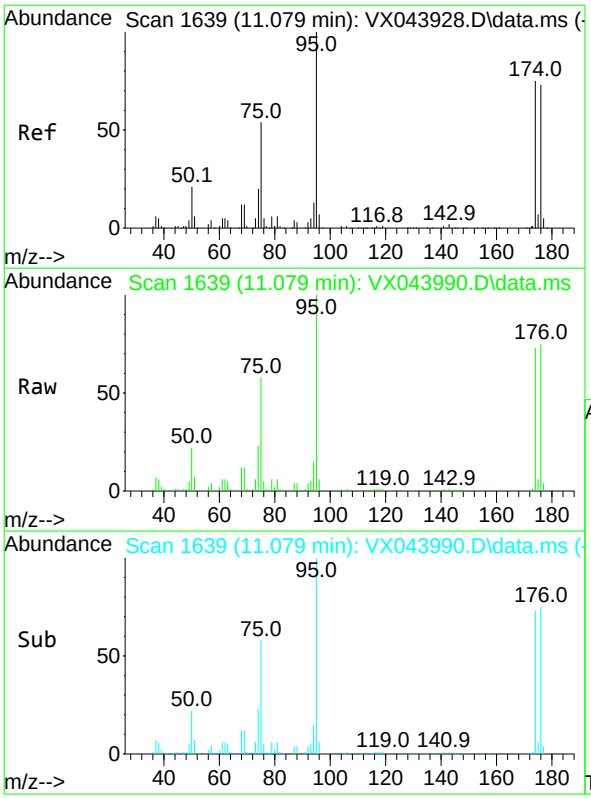


#50
Toluene-d8
Concen: 49.506 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Tgt Ion: 98 Resp: 260964

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	79.0



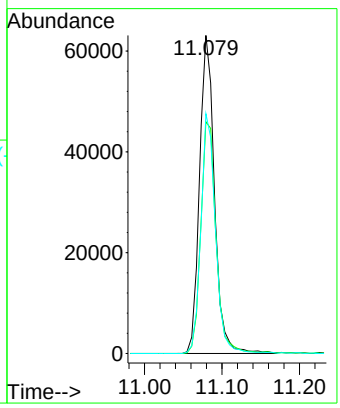


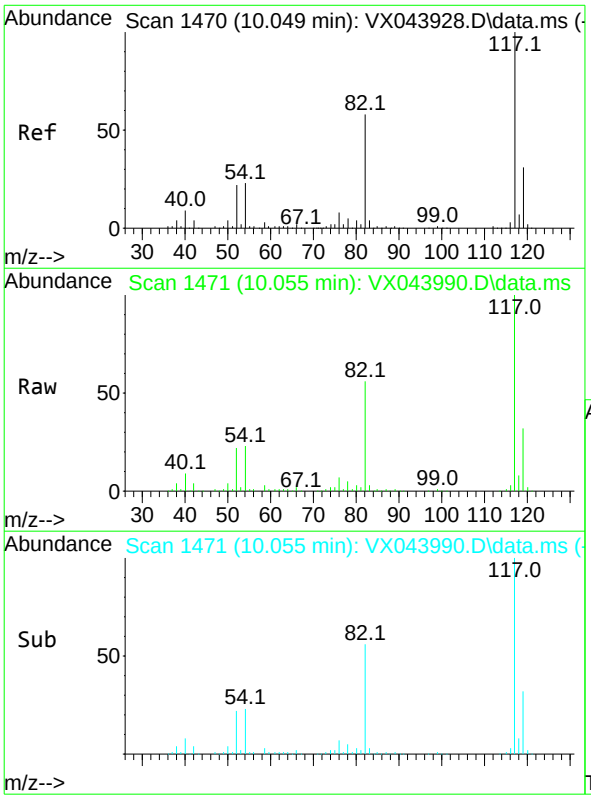
#62
4-Bromofluorobenzene
Concen: 47.090 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Tgt Ion: 95 Resp: 84479

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	150.4
176	73.8	0.0	146.0

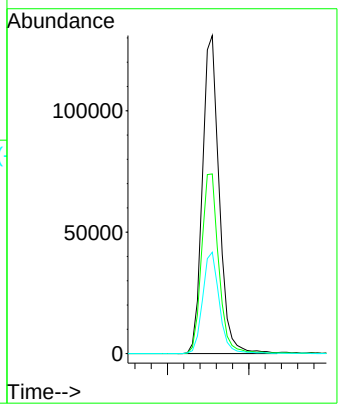


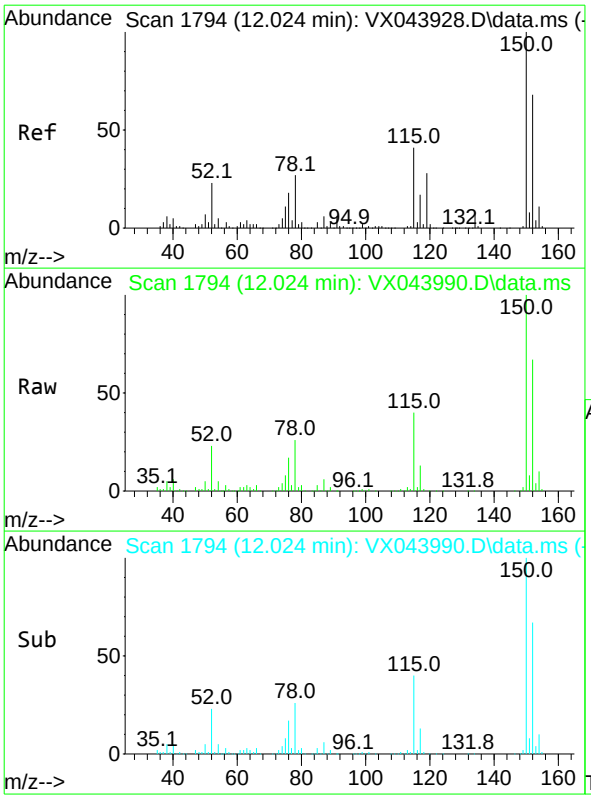


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Tgt Ion:117 Resp: 187289

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	31.9	24.6	37.0



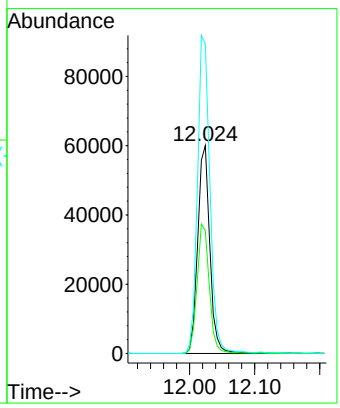


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043990.D
Acq: 25 Nov 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Tgt Ion:152 Resp: 77640

Ion	Ratio	Lower	Upper
152	100		
115	62.9	45.4	136.2
150	157.1	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043990.D
Acq On : 25 Nov 2024 16:35
Operator : JC/MD
Sample : P4873-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043990.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	5	9	19	rVB	31786	34561	4.81%	0.765%
2	1.240	21	25	27	rBV	11523	12978	1.81%	0.287%
3	1.264	27	29	36	rVB3	6093	7230	1.01%	0.160%
4	1.368	41	46	53	rBV2	19610	35960	5.01%	0.796%
5	1.605	69	85	86	rVV5	15534	63057	8.78%	1.395%
6	1.636	86	90	96	rVB6	20017	44750	6.23%	0.990%
7	1.892	127	132	135	rBV4	6280	9607	1.34%	0.213%
8	2.569	235	243	249	rVB3	4167	8946	1.25%	0.198%
9	4.483	549	557	572	rBV2	46064	128809	17.94%	2.850%
10	5.379	693	704	721	rBV	84256	250140	34.83%	5.534%
11	5.544	721	731	744	rBV2	122728	363682	50.64%	8.046%
12	5.952	786	798	818	rBV	100992	273149	38.04%	6.043%
13	6.757	921	930	946	rBV	216016	525926	73.24%	11.635%
14	7.123	981	990	1003	rBV	214350	475276	66.18%	10.515%
15	8.647	1234	1240	1255	rBV	436909	718105	100.00%	15.887%
16	10.055	1465	1471	1484	rBV	420983	616735	85.88%	13.644%
17	11.079	1634	1639	1651	rBV	332116	440070	61.28%	9.736%
18	12.018	1788	1793	1802	rBV	391452	511134	71.18%	11.308%

Sum of corrected areas: 4520115

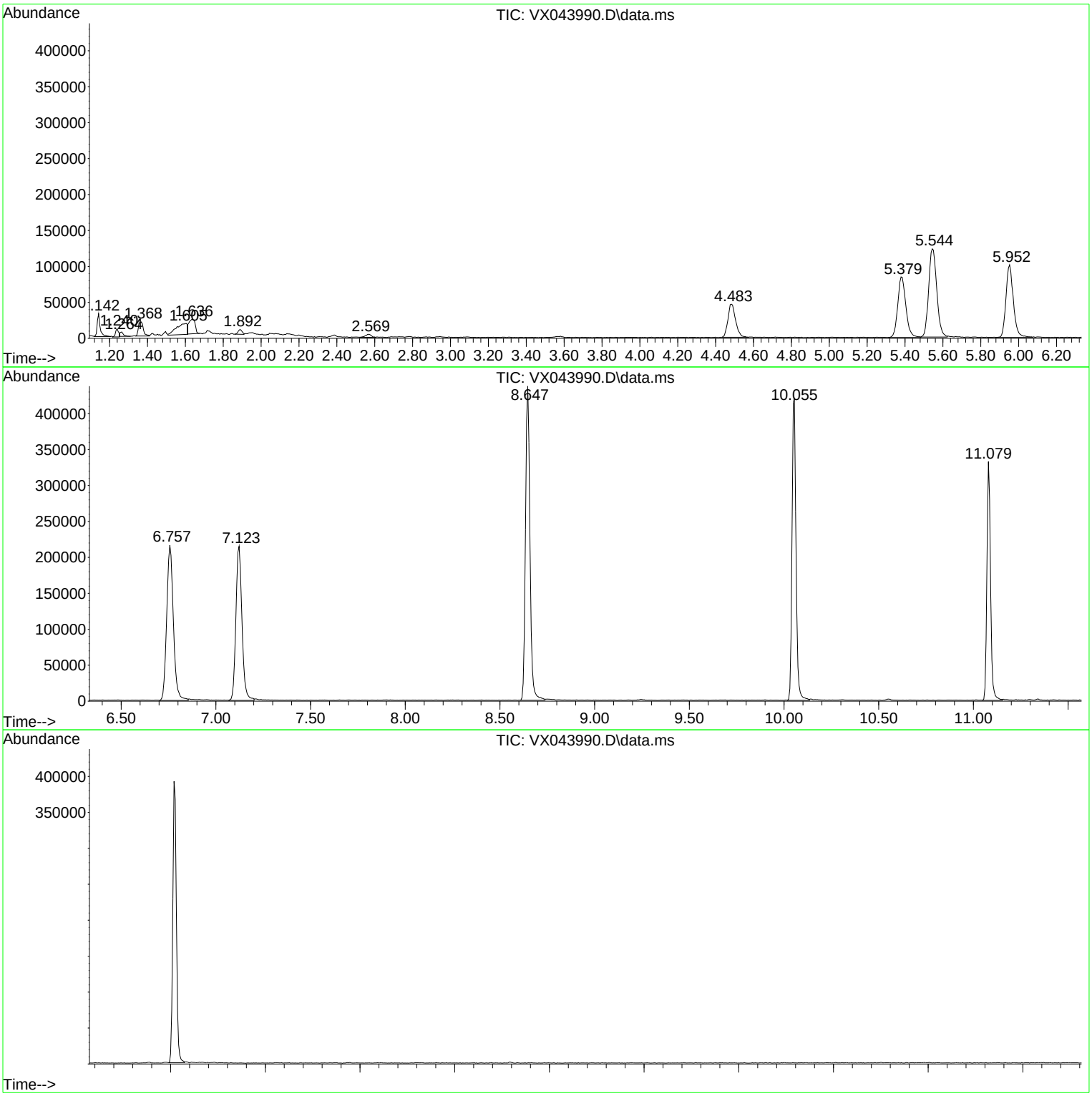
Sample Results: **VX043990.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043990.D
Acq On : 25 Nov 2024 16:35
Operator : JC/MD
Sample : P4873-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043990.D
Acq On : 25 Nov 2024 16:35
Operator : JC/MD
Sample : P4873-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

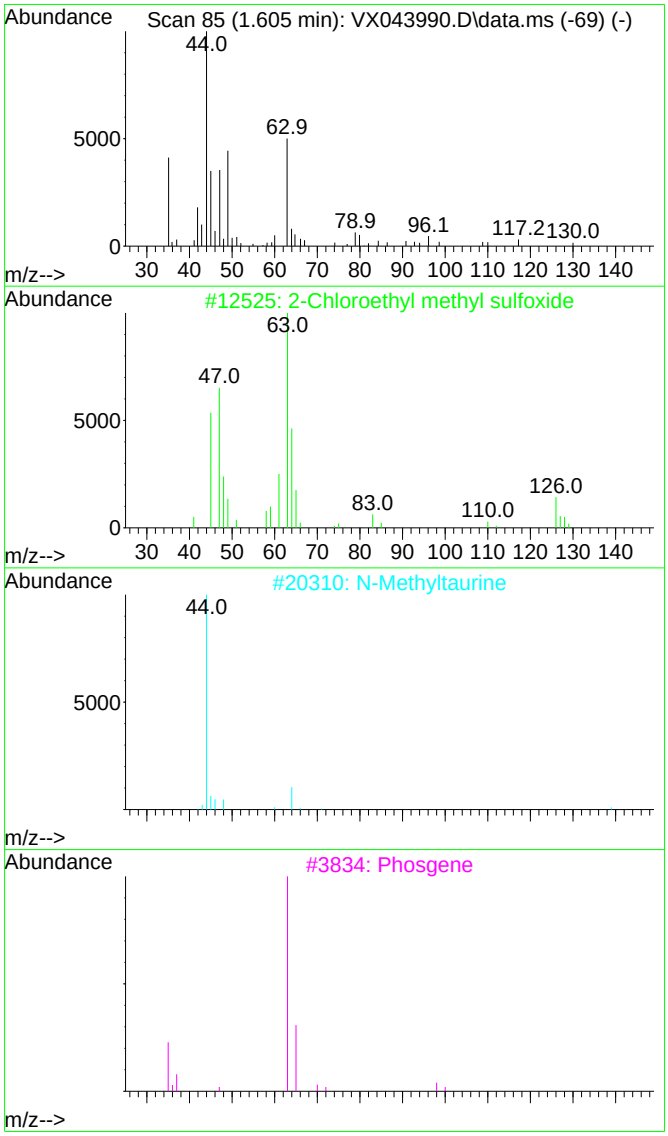
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

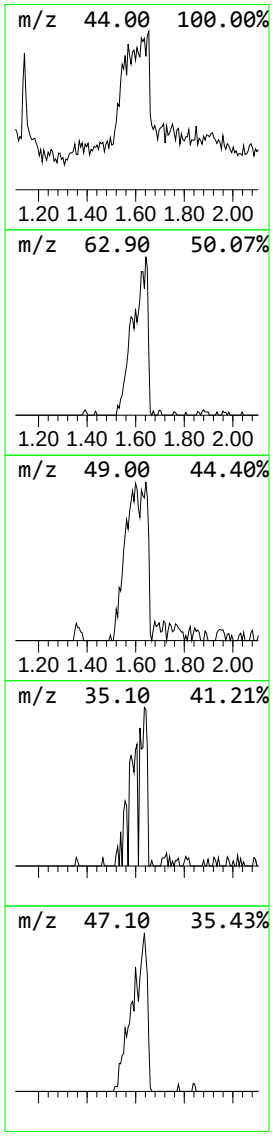
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.605 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.605	8.67 ug/l	63057	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	17
2	N-Methyltaurine	139	C3H9NO3S	000107-68-6	9
3	Phosgene	98	CCl2O	000075-44-5	7
4	Methan-d3-ol	35	CHD3O	001849-29-2	4
5	3-Azabicyclo[3.2.2]nonane	125	C8H15N	000283-24-9	4





```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043990.D
Acq On    : 25 Nov 2024  16:35
Operator  : JC/MD
Sample    : P4873-05
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title  : SW846 8260

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

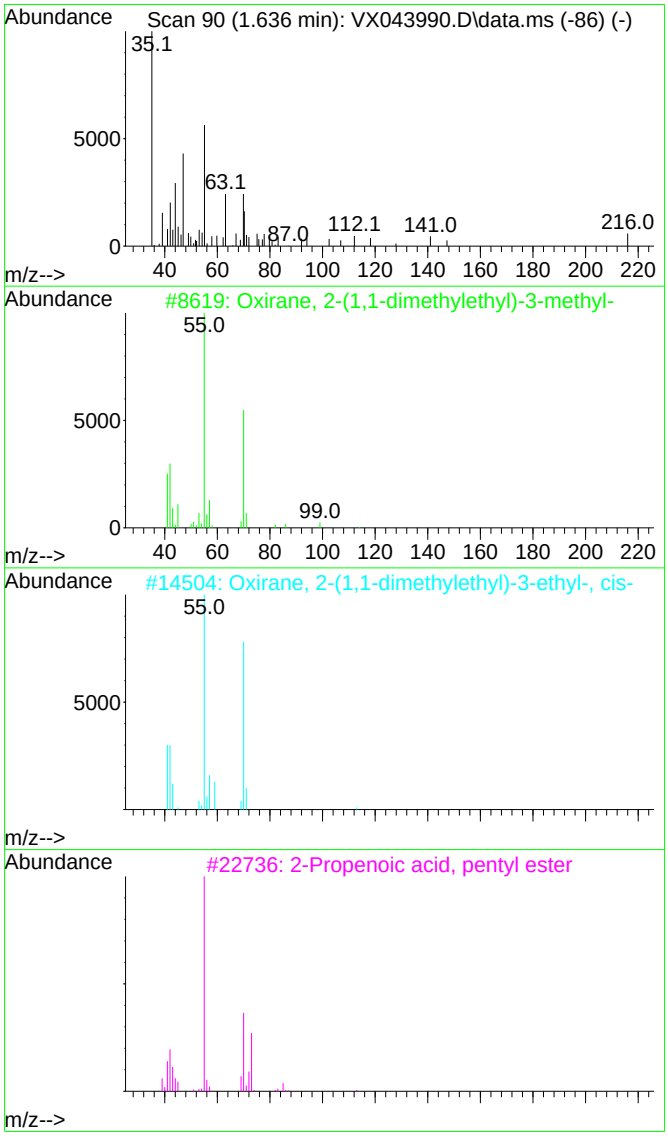
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

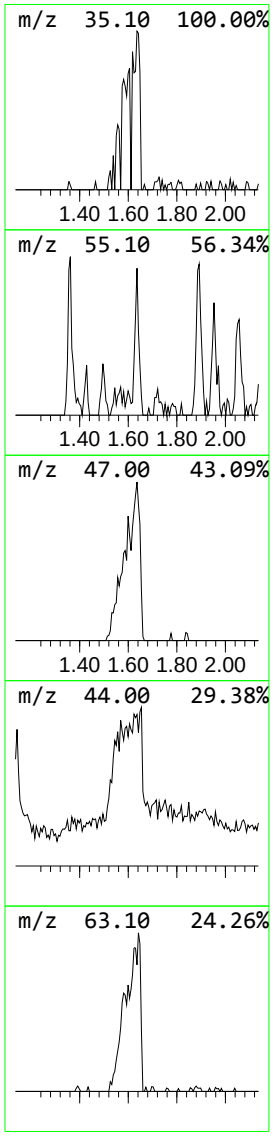
****

Peak Number 2 unknown1.636 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.636	6.15 ug/l	44750	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-(1,1-dimethylethyl)-3...	114	C7H14O	053897-30-6	22
2	Oxirane, 2-(1,1-dimethylethyl)-3...	128	C8H16O	036099-44-2	10
3	2-Propenoic acid, pentyl ester	142	C8H14O2	002998-23-4	4
4	Methan-d3-ol	35	CHD3O	001849-29-2	3
5	6-Tridecene, (Z)-	182	C13H26	006508-77-6	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043990.D
Acq On : 25 Nov 2024 16:35
Operator : JC/MD
Sample : P4873-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-32-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.605	1.605	8.7	ug/l	63057	1	5.544	363682	50.0
unknown1.636	1.636	6.2	ug/l	44750	1	5.544	363682	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-34-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043991.D	1		11/25/24 16:58	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-34-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043991.D	1		11/25/24 16:58	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	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	46.7		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.55				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	194000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	82000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-34-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043991.D	1		11/25/24 16:58	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.599	8.20	J			1.60	ug/L

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\VX112524\
Data File : VX043991.D
Acq On : 25 Nov 2024 16:58
Operator : JC/MD
Sample : P4873-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Quant Time: Nov 26 00:50:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

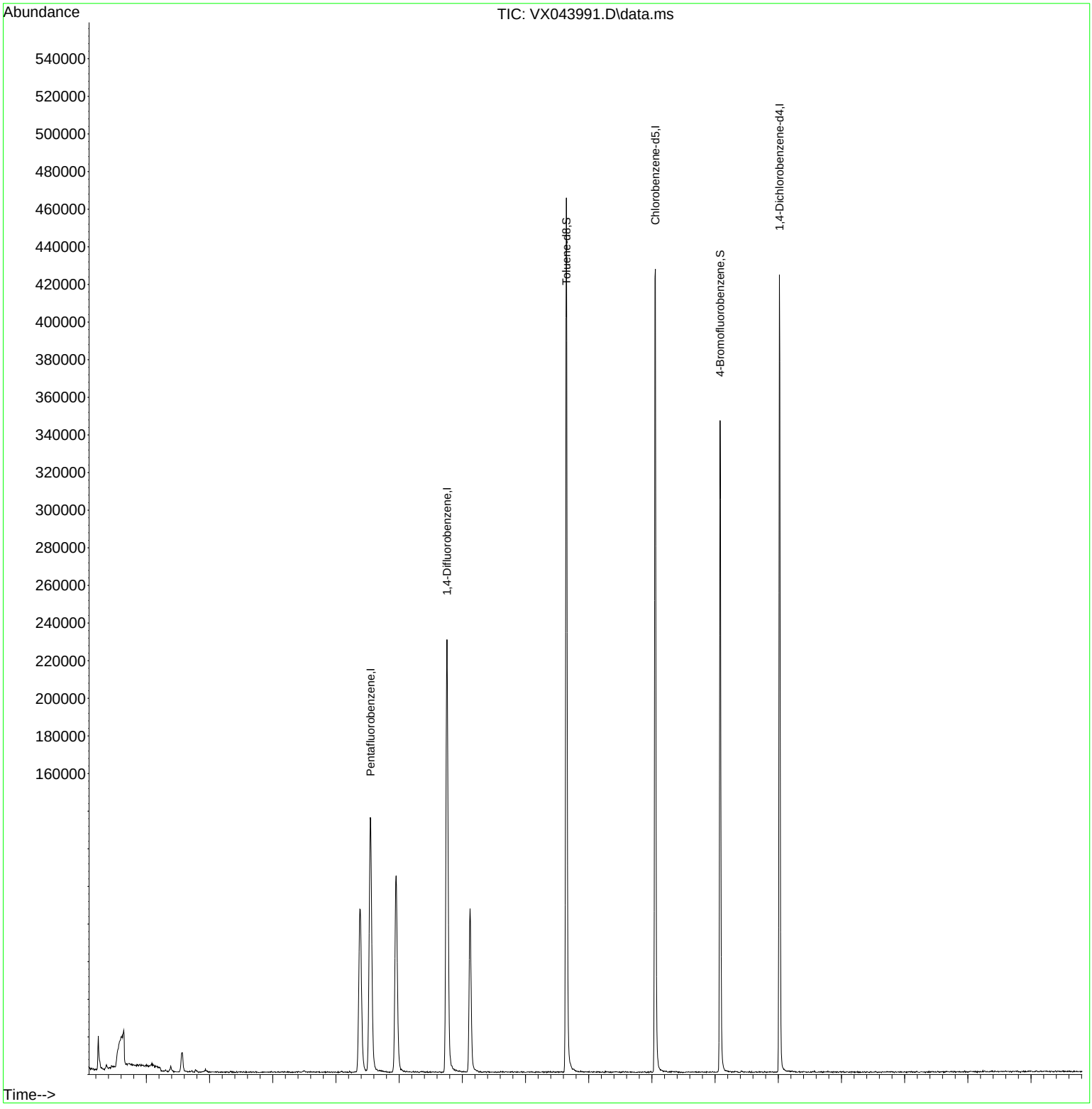
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	122134	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	228854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102004	48.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.380%		
35) Dibromofluoromethane	5.385	113	76340	46.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.360%		
50) Toluene-d8	8.647	98	279707	49.620	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.240%		
62) 4-Bromofluorobenzene	11.079	95	90625	47.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.480%		
Target Compounds						Qvalue
16) Acetone	2.386	43	2473	2.570	ug/l	96
20) Methylene Chloride	2.782	84	437	0.268	ug/l	88
44) Trichloroethene	7.129	130	32109	17.869	ug/l	96

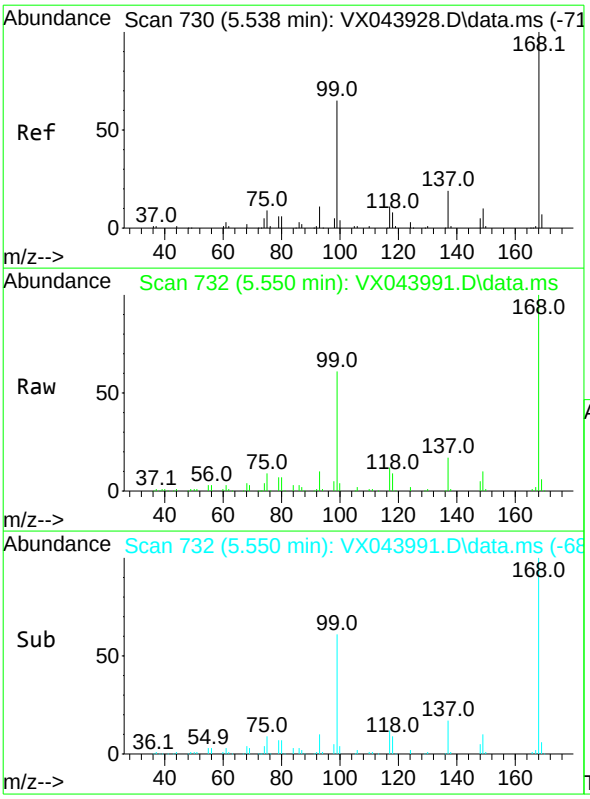
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043991.D
Acq On : 25 Nov 2024 16:58
Operator : JC/MD
Sample : P4873-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Quant Time: Nov 26 00:50:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



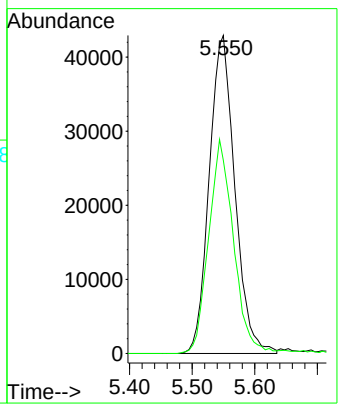


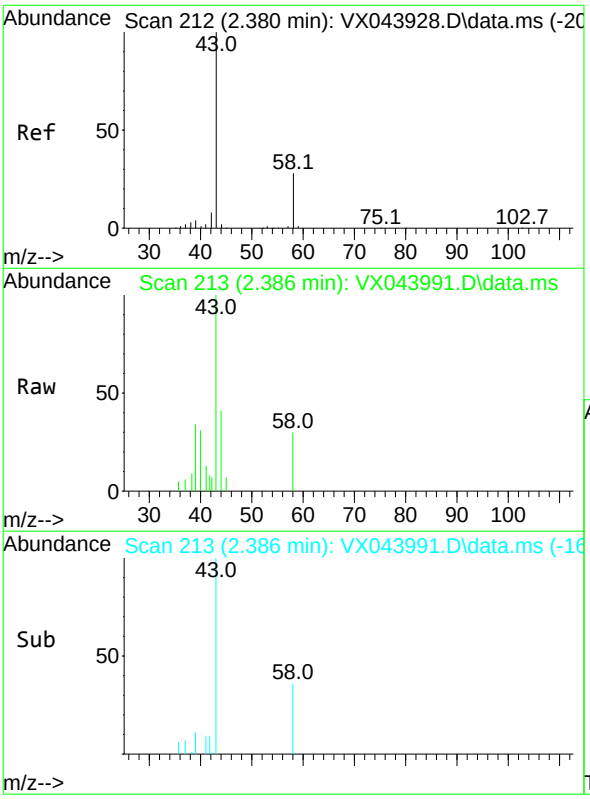
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Tgt Ion:168 Resp: 122134

Ion	Ratio	Lower	Upper
168	100		
99	60.7	51.8	77.8

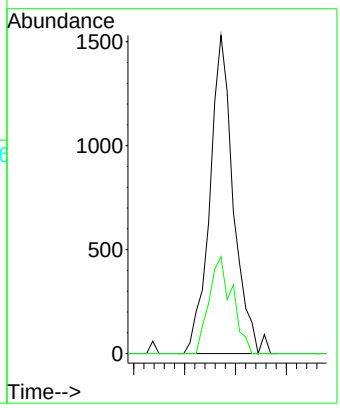


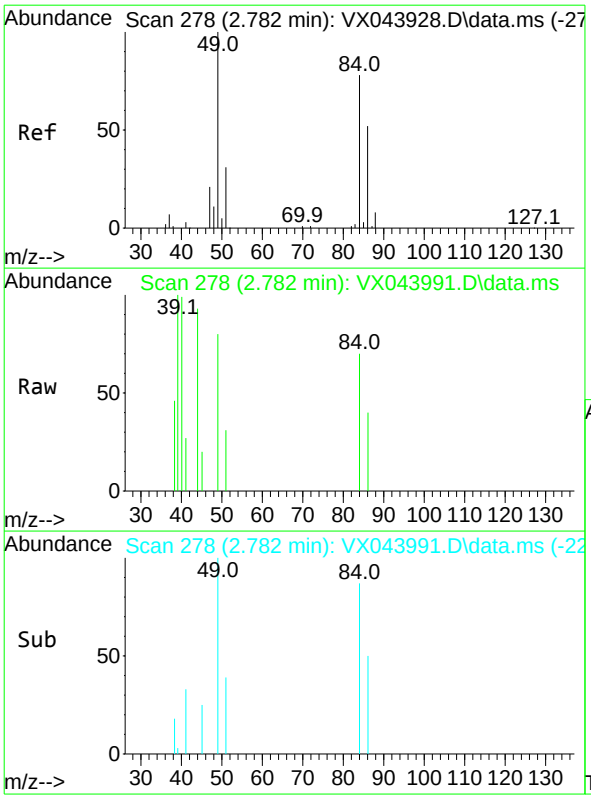


#16
Acetone
Concen: 2.570 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Tgt Ion: 43 Resp: 2473

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.7	34.1



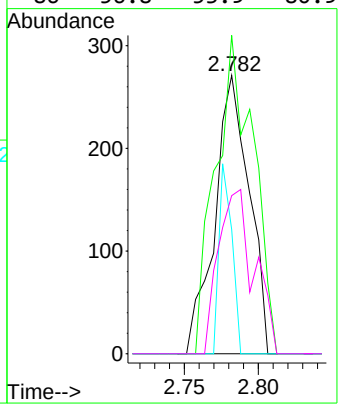


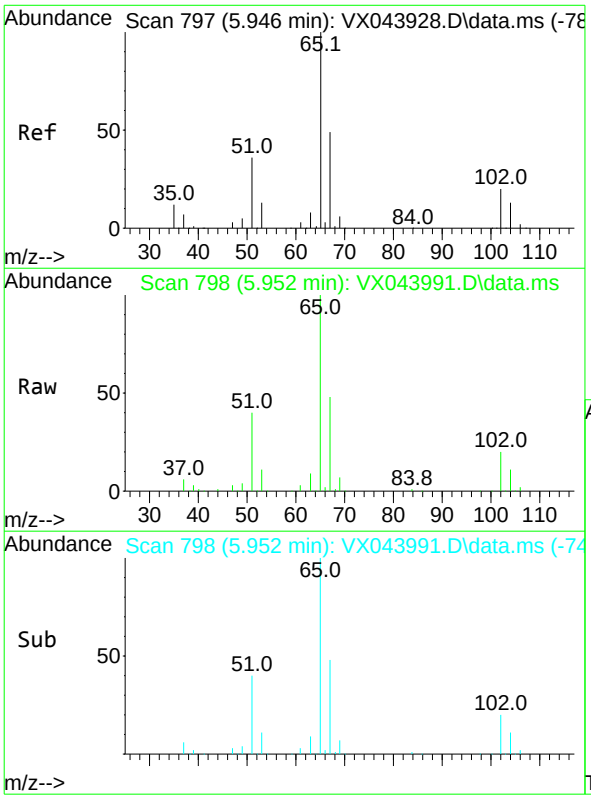
#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Tgt Ion: 84 Resp: 437

Ion	Ratio	Lower	Upper
84	100		
49	114.4	102.7	154.1
51	44.6	31.7	47.5
86	56.8	53.9	80.9

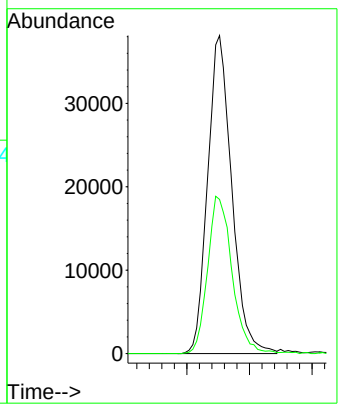


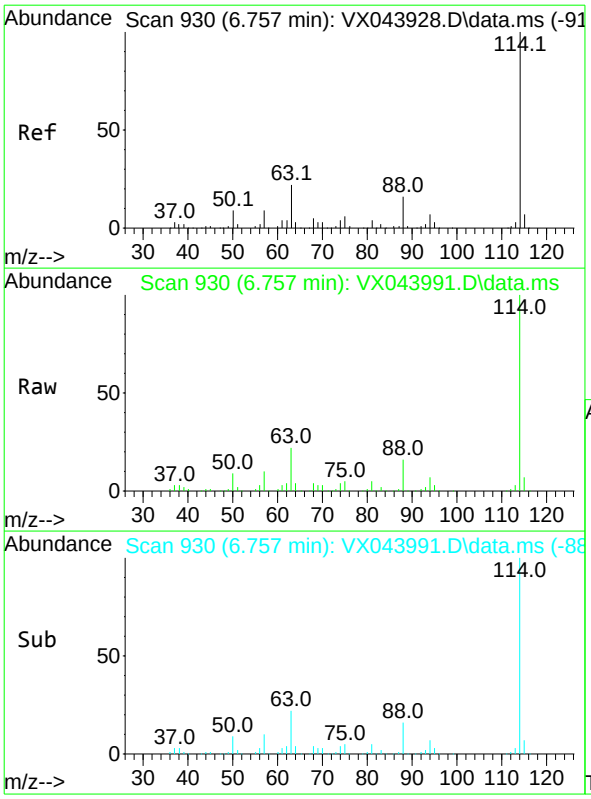


#33
1,2-Dichloroethane-d4
Concen: 48.694 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Tgt Ion: 65 Resp: 102004

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	100.8



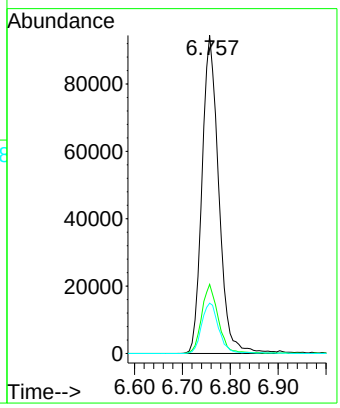


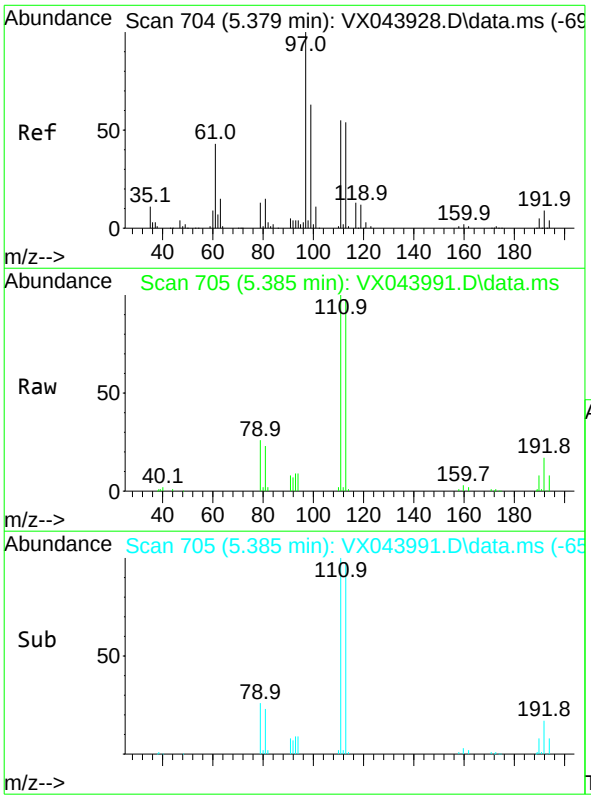
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Tgt Ion:114 Resp: 228854

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	15.8	0.0	32.4

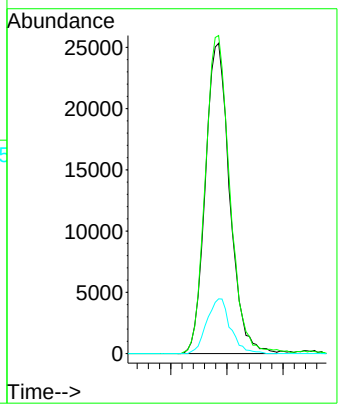


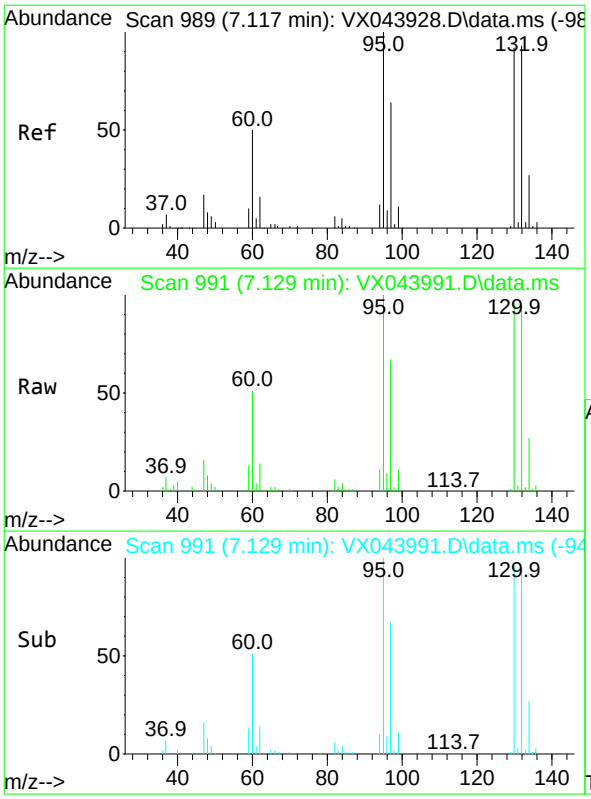


#35
Dibromofluoromethane
Concen: 46.683 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Tgt Ion:113 Resp: 76340

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	17.1	13.0	19.6



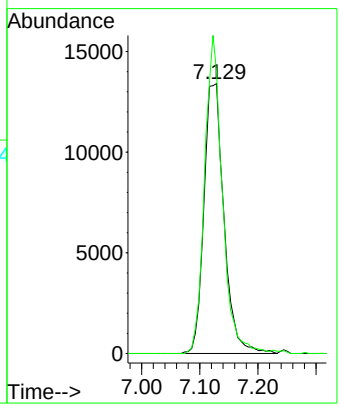


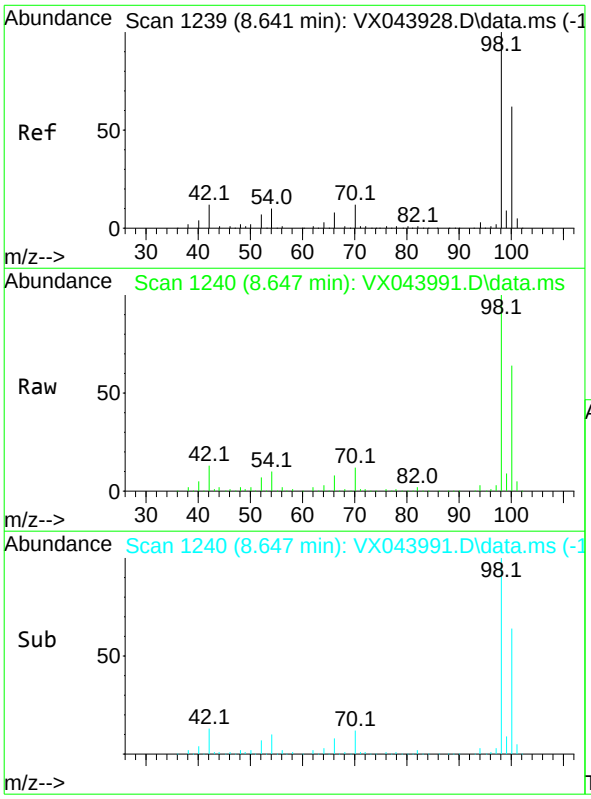
#44
Trichloroethene
Concen: 17.869 ug/l
RT: 7.129 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Tgt Ion:130 Resp: 32109

Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	217.8

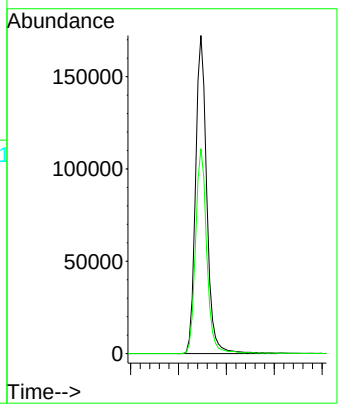


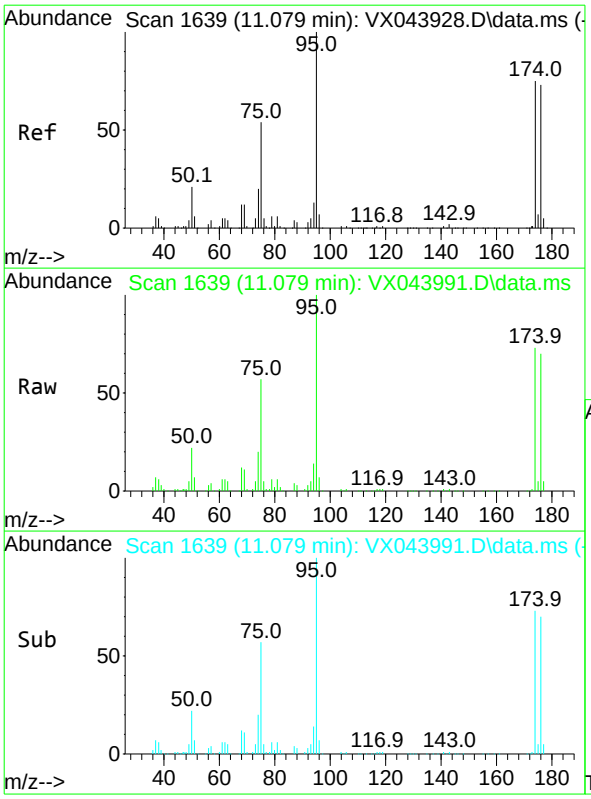


#50
Toluene-d8
Concen: 49.620 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Tgt Ion: 98 Resp: 279707

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	79.0



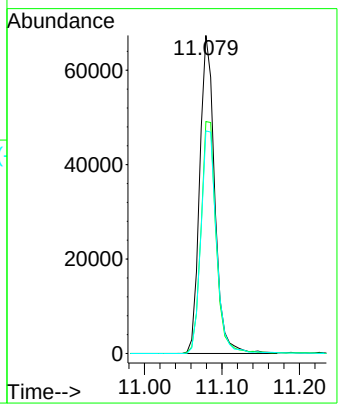


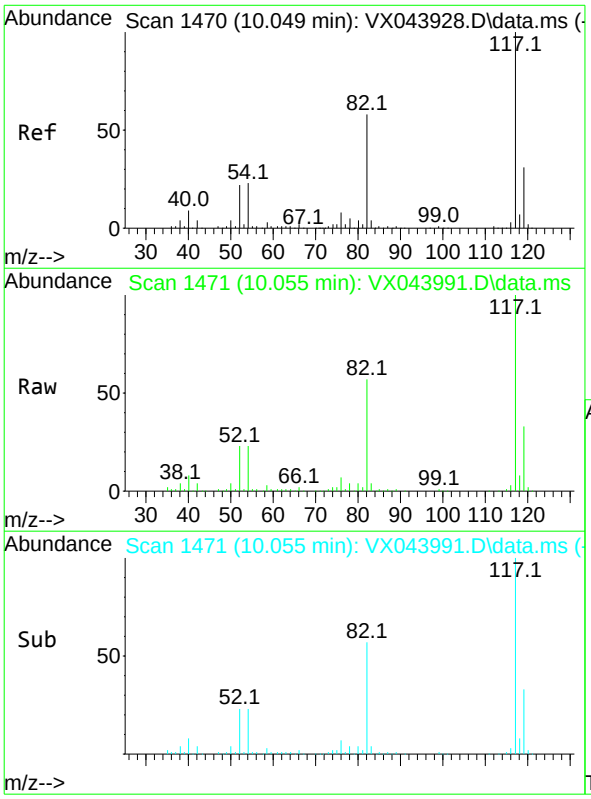
#62
4-Bromofluorobenzene
Concen: 47.240 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Tgt Ion: 95 Resp: 90625

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	150.4
176	72.9	0.0	146.0

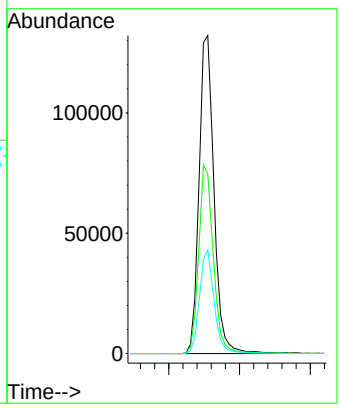


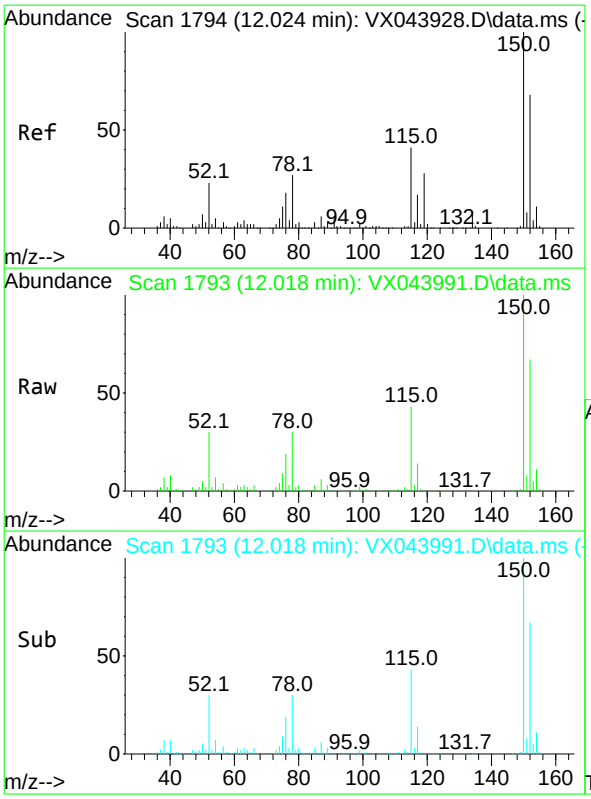


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Tgt Ion:117 Resp: 193773

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.4	69.6
119	32.6	24.6	37.0



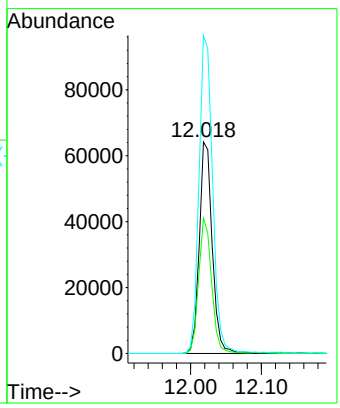


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043991.D
Acq: 25 Nov 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Tgt Ion:152 Resp: 81953

Ion	Ratio	Lower	Upper
152	100		
115	63.4	45.4	136.2
150	157.9	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043991.D
Acq On : 25 Nov 2024 16:58
Operator : JC/MD
Sample : P4873-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043991.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	33	rBV	17689	23596	3.10%	0.563%
2	1.599	69	84	86	rBV4	15987	63667	8.38%	1.520%
3	2.569	235	243	249	rBV2	10288	23269	3.06%	0.555%
4	5.379	694	704	719	rBV2	86520	261388	34.39%	6.239%
5	5.544	721	731	746	rVV	134654	387450	50.98%	9.248%
6	5.952	788	798	810	rBV	104401	282212	37.13%	6.736%
7	6.757	920	930	942	rBV	230127	555326	73.07%	13.255%
8	7.123	981	990	1007	rBV2	86857	198174	26.08%	4.730%
9	8.647	1233	1240	1256	rBV	464810	759996	100.00%	18.140%
10	10.055	1465	1471	1484	rBV	426664	629797	82.87%	15.032%
11	11.079	1634	1639	1651	rBV	346006	461144	60.68%	11.007%
12	12.018	1788	1793	1807	rBV	423908	543606	71.53%	12.975%

Sum of corrected areas: 4189625

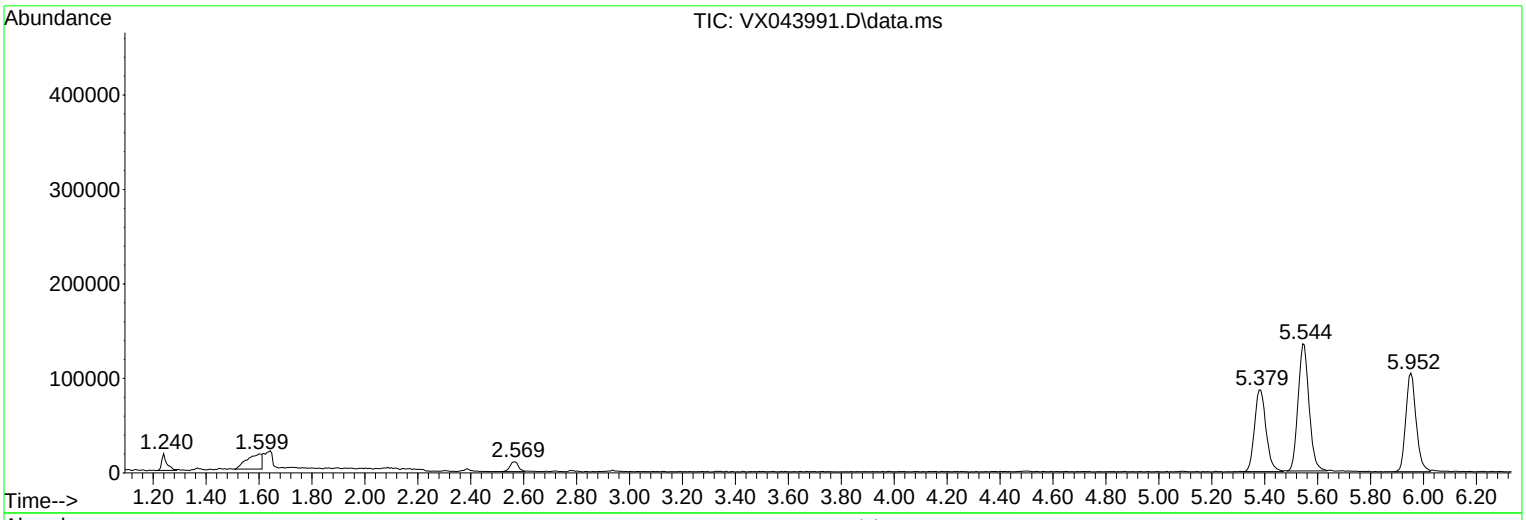
Sample Results: **VX043991.D**

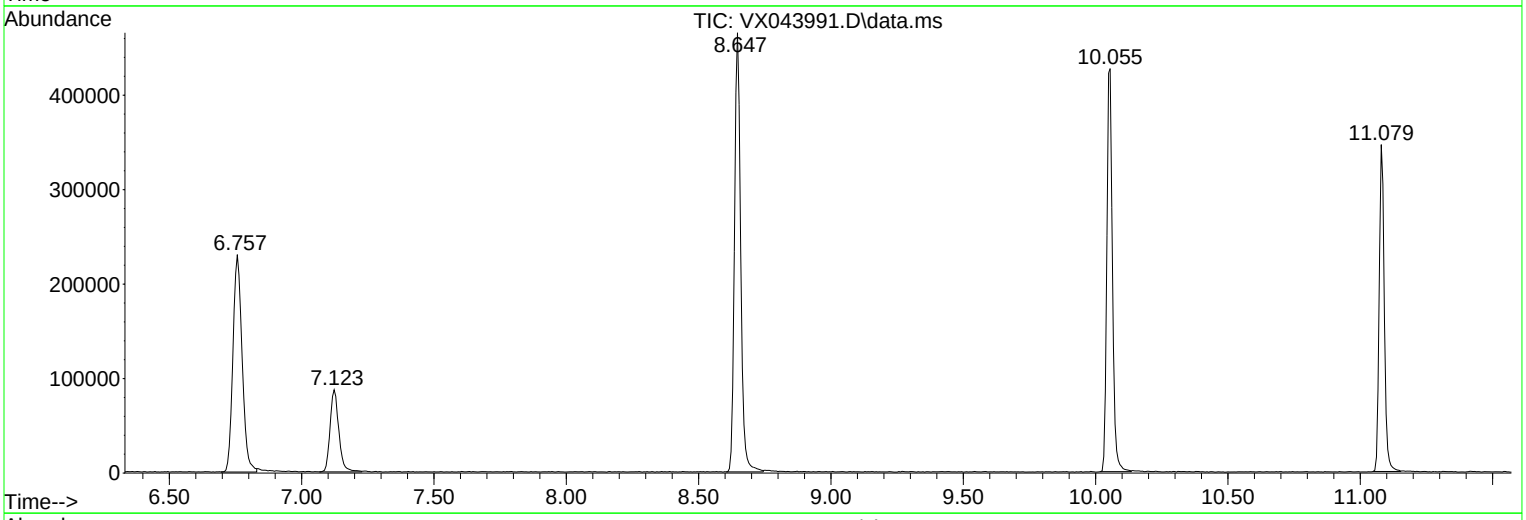
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043991.D
Acq On : 25 Nov 2024 16:58
Operator : JC/MD
Sample : P4873-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

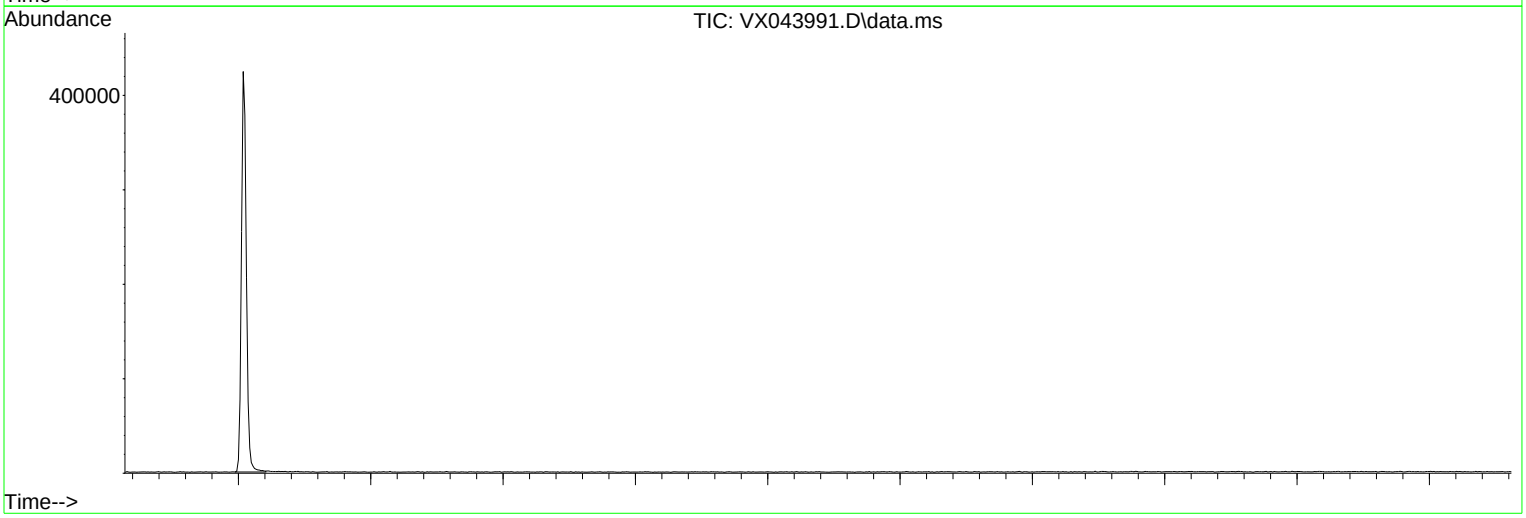
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043991.D
Acq On : 25 Nov 2024 16:58
Operator : JC/MD
Sample : P4873-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

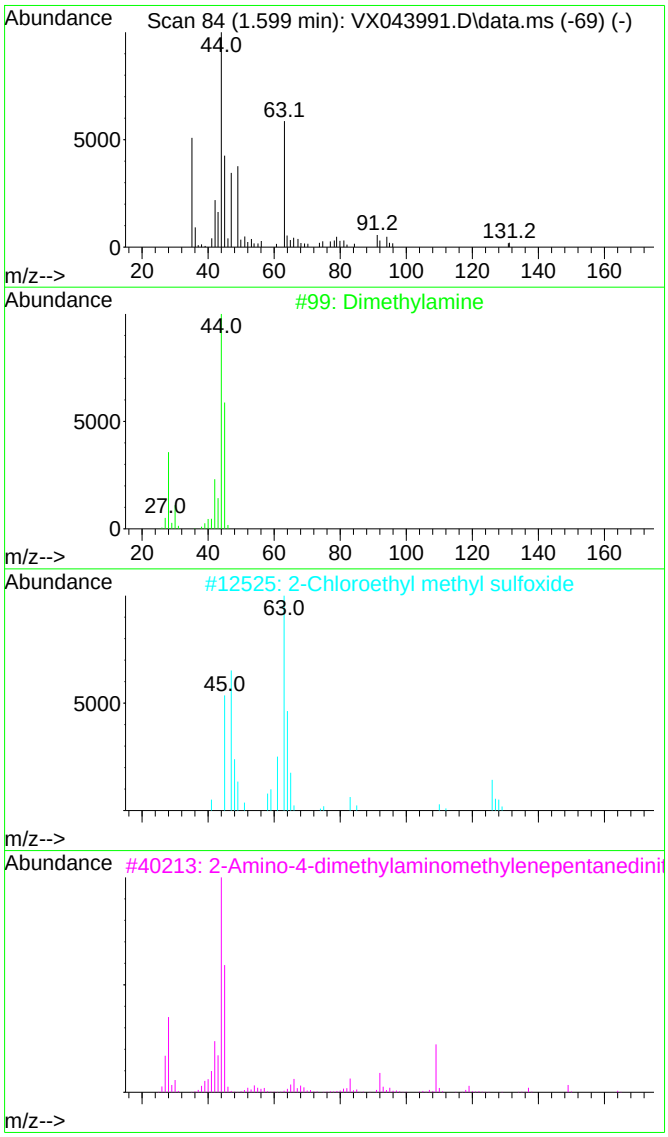
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

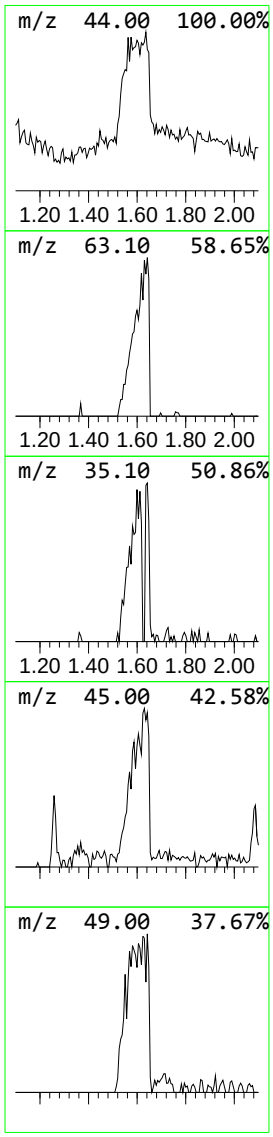
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.599 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.599	8.22 ug/l	63667	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethylamine	45	C2H7N	000124-40-3	10
2	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	9
3	2-Amino-4-dimethylaminomethylene...	164	C8H12N4	1000191-40-0	9
4	dl-Alanine	89	C3H7NO2	000302-72-7	9
5	l-Guanidinosuccinimide	141	C5H7N3O2	1000130-20-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043991.D
Acq On : 25 Nov 2024 16:58
Operator : JC/MD
Sample : P4873-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-34-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.599	1.599	8.2	ug/l	63667	1	5.550	387450	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-GEP-3-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043992.D	1		11/25/24 17:21	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	150	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-GEP-3-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043992.D	1		11/25/24 17:21	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.75	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.0		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	118000	5.544				
540-36-3	1,4-Difluorobenzene	214000	6.757				
3114-55-4	Chlorobenzene-d5	190000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	78800	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-GEP-3-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043992.D	1		11/25/24 17:21	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.593	7.40	J			1.59	ug/L

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\VX112524\
Data File : VX043992.D
Acq On : 25 Nov 2024 17:21
Operator : JC/MD
Sample : P4873-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Quant Time: Nov 26 00:51:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

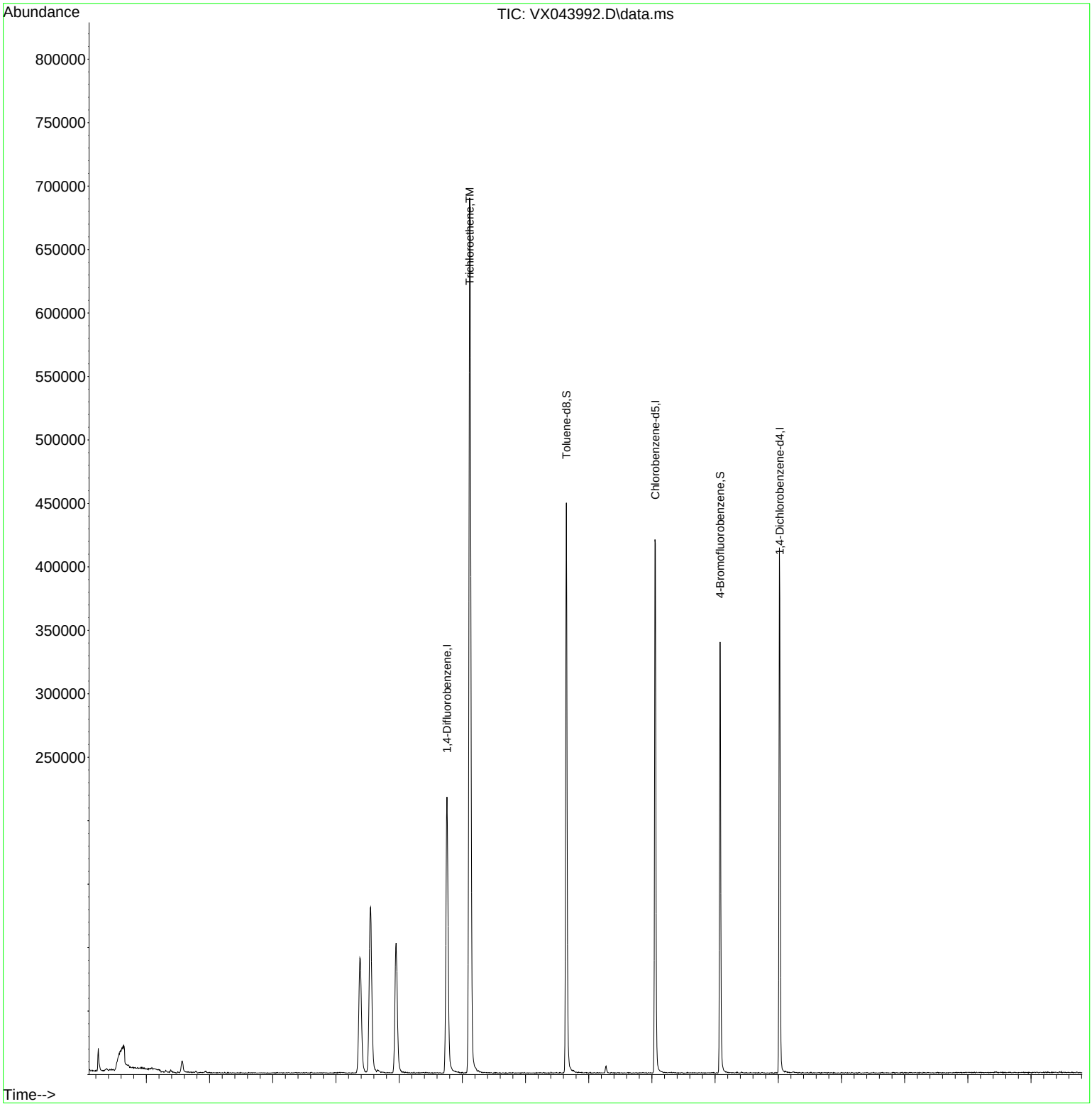
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	117514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98843	49.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	5.385	113	74168	48.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	8.647	98	263027	49.964	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.920%		
62) 4-Bromofluorobenzene	11.079	95	86837	48.469	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.940%		
Target Compounds						Qvalue
16) Acetone	2.386	43	1513	1.634	ug/l	91
44) Trichloroethene	7.117	130	252075	150.213	ug/l	88
64) Tetrachloroethene	9.275	164	931	0.745	ug/l #	86

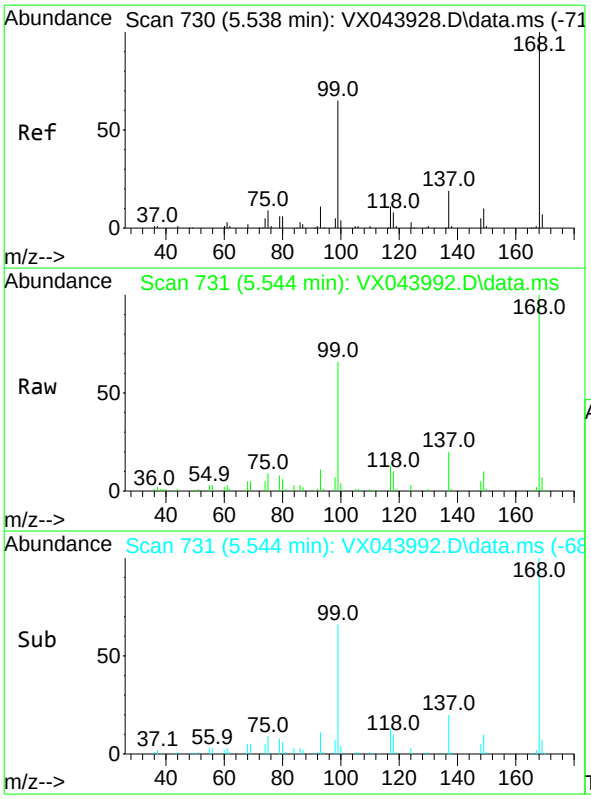
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043992.D
Acq On : 25 Nov 2024 17:21
Operator : JC/MD
Sample : P4873-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Quant Time: Nov 26 00:51:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



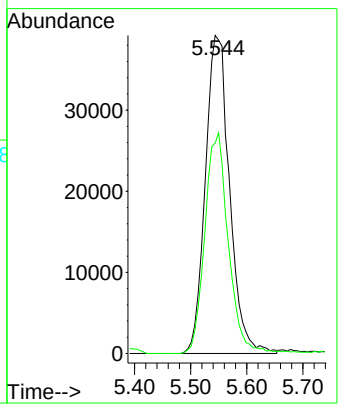


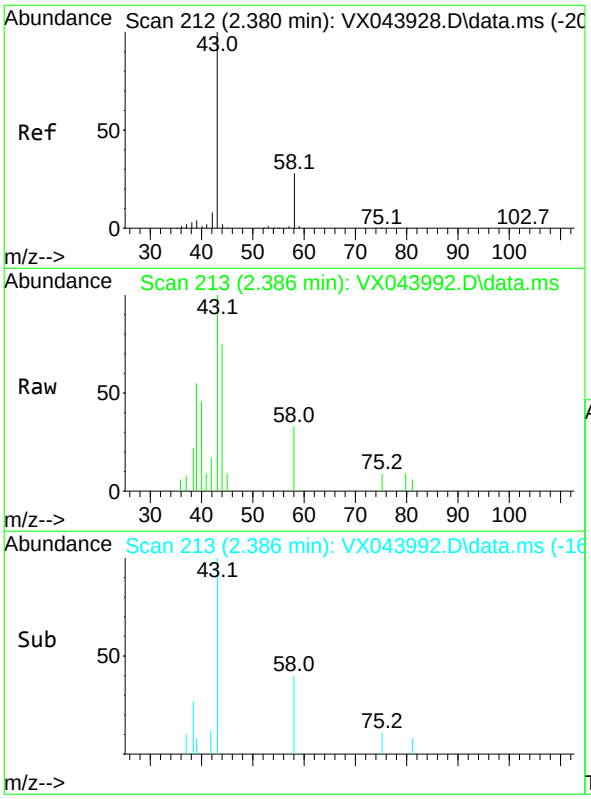
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Tgt Ion:168 Resp: 117514

Ion	Ratio	Lower	Upper
168	100		
99	66.2	51.8	77.8

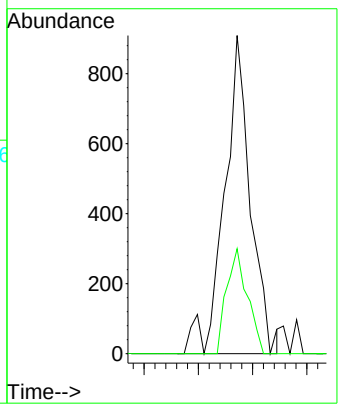


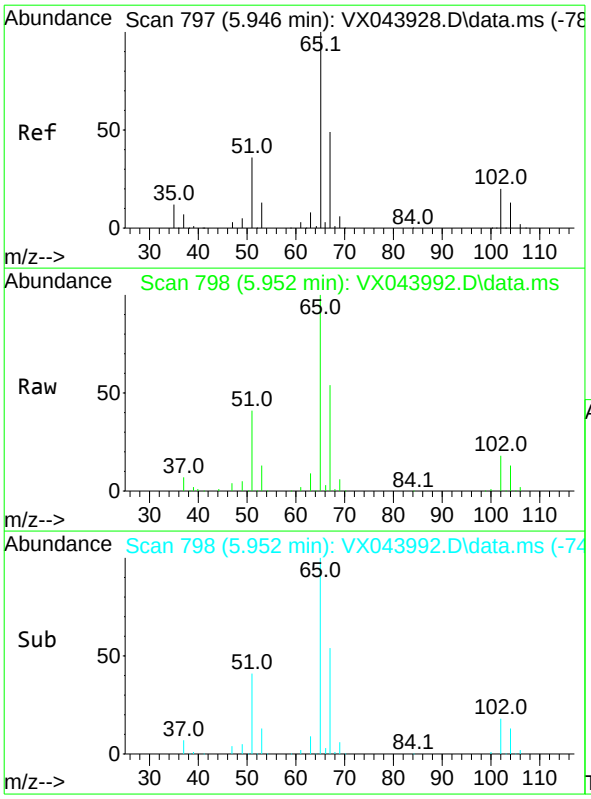


#16
Acetone
Concen: 1.634 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion: 43 Resp: 1513

Ion	Ratio	Lower	Upper
43	100		
58	33.0	22.7	34.1



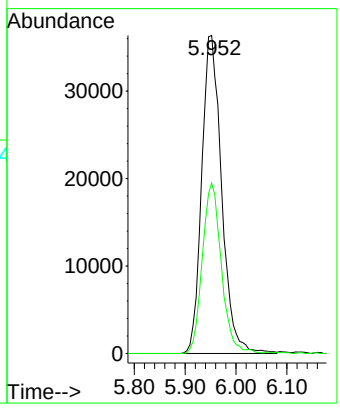


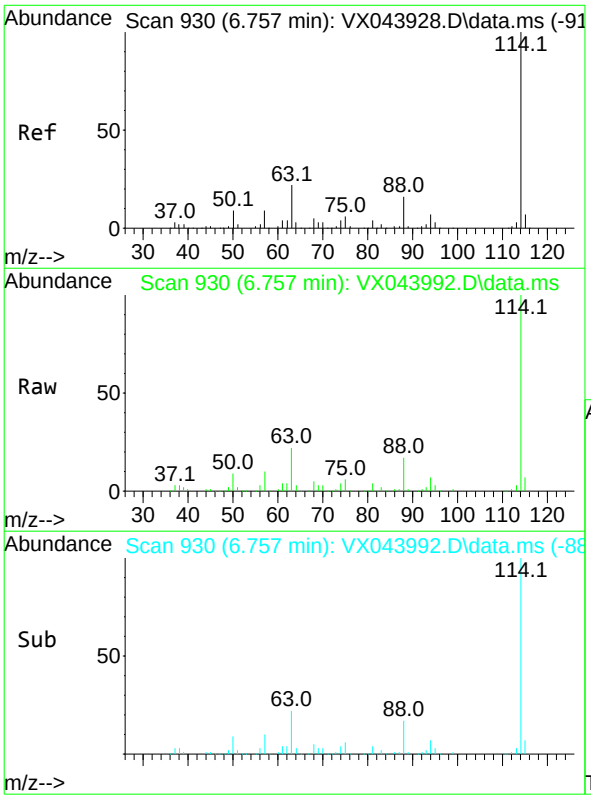
#33
1,2-Dichloroethane-d4
Concen: 49.040 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Tgt Ion: 65 Resp: 98843

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	100.8

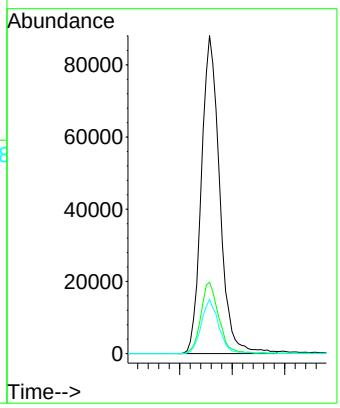


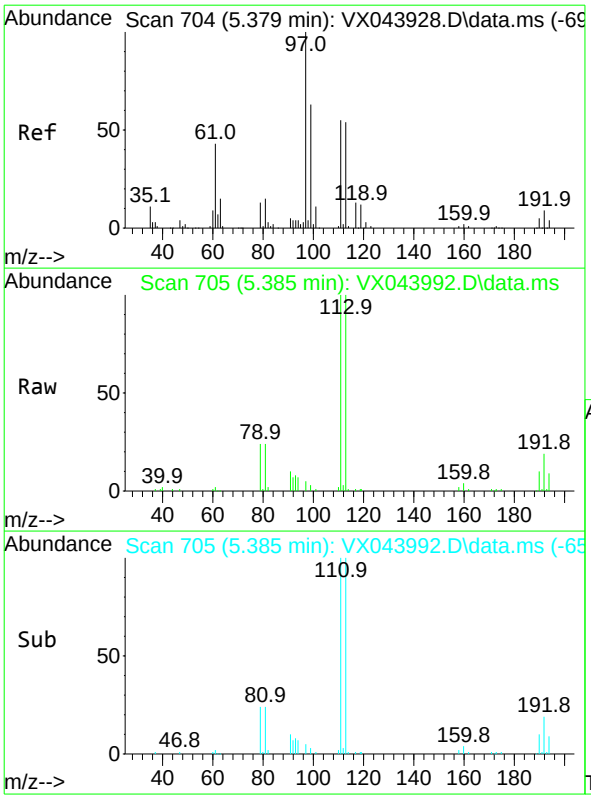


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion:114 Resp: 213727

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.1	0.0	32.4



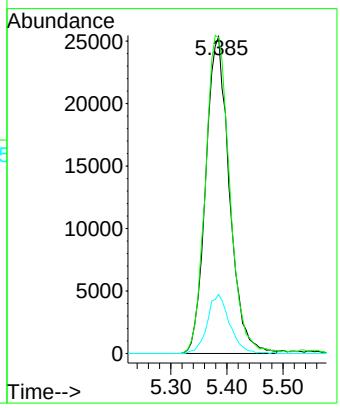


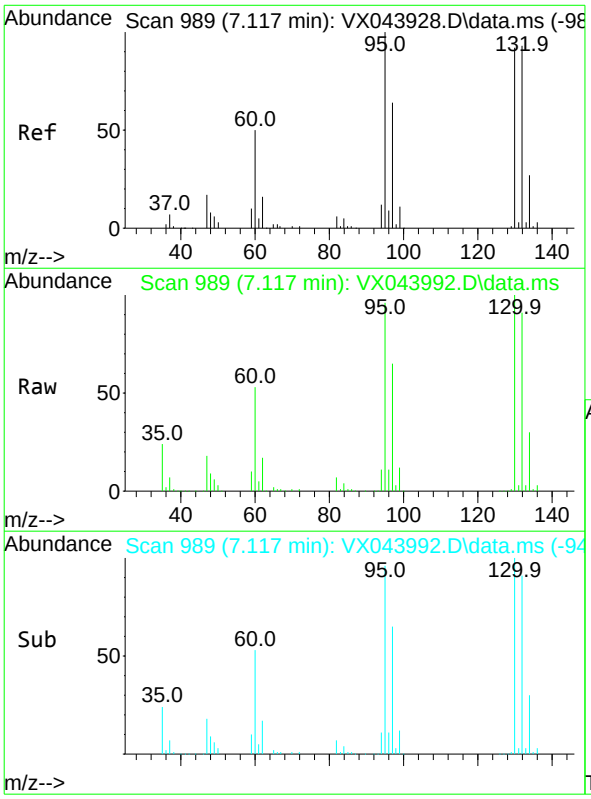
#35
Dibromofluoromethane
Concen: 48.565 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Tgt Ion:113 Resp: 74168

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.4
192	17.6	13.0	19.6

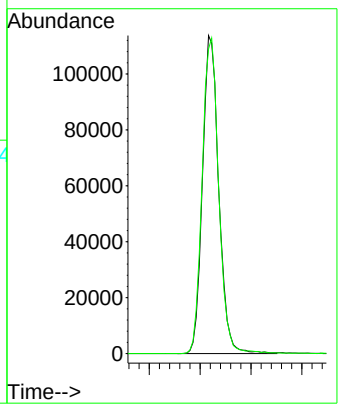


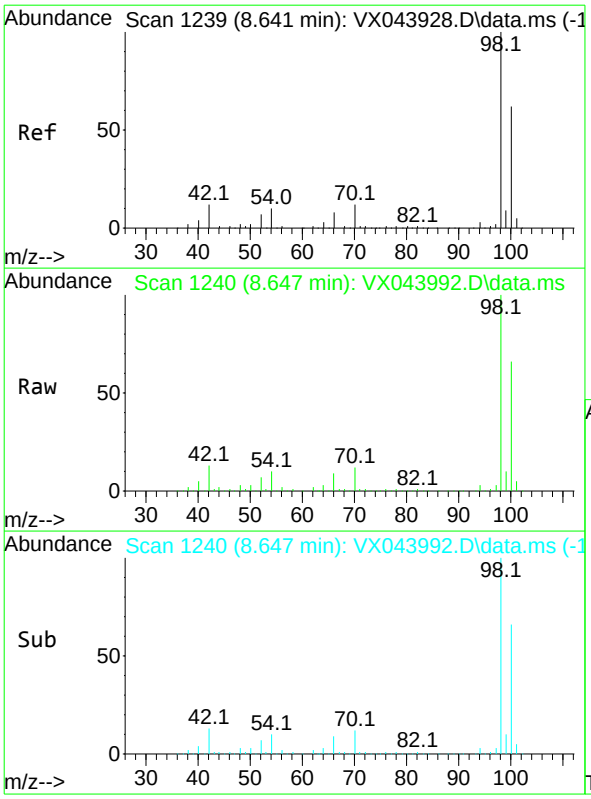


#44
Trichloroethene
Concen: 150.213 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion:130 Resp: 252075

Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	217.8



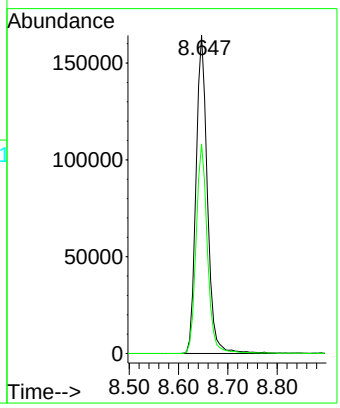


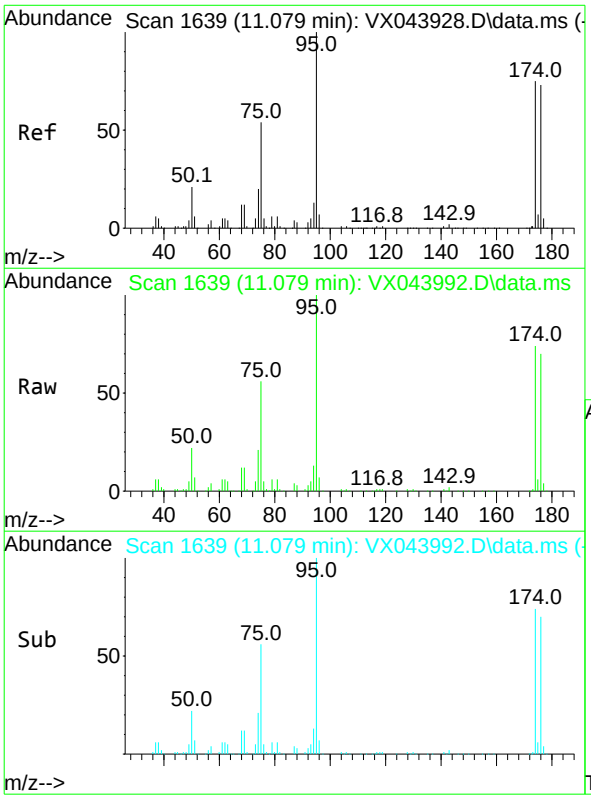
#50
Toluene-d8
Concen: 49.964 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Tgt Ion: 98 Resp: 263027

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	79.0

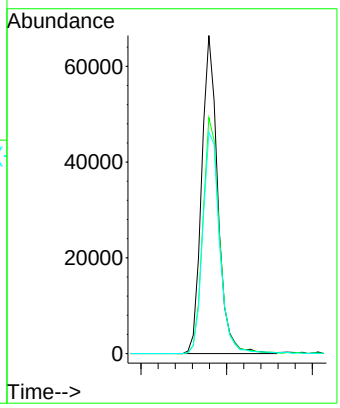


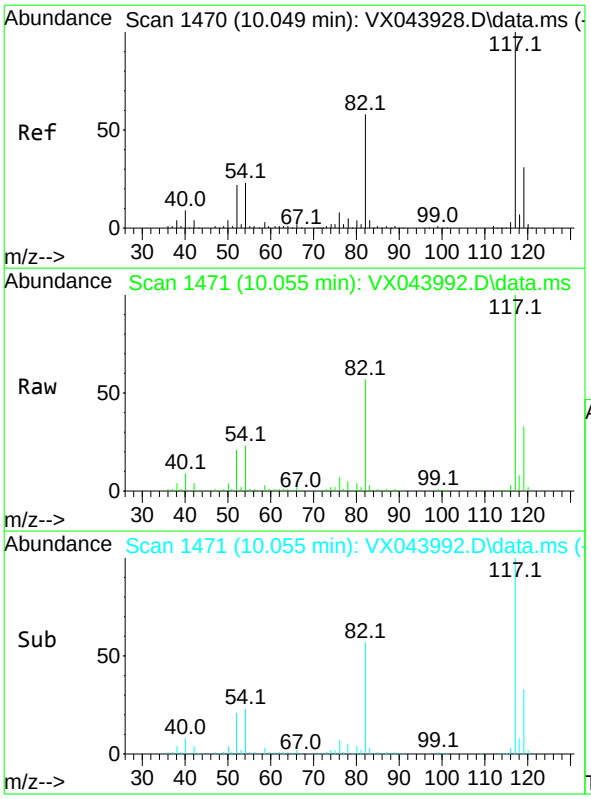


#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion: 95 Resp: 86837

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.4
176	73.0	0.0	146.0



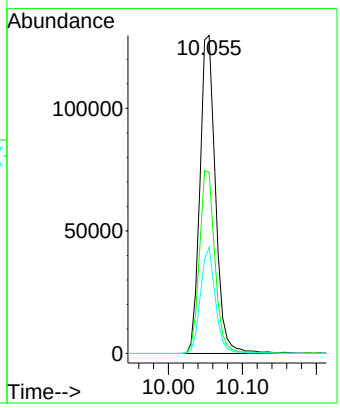


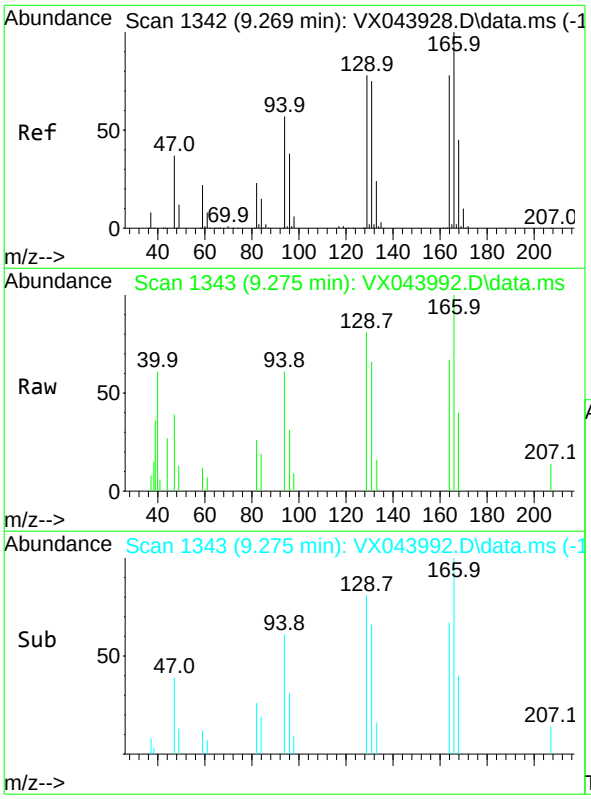
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Tgt Ion:117 Resp: 189569

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.4	69.6
119	33.4	24.6	37.0

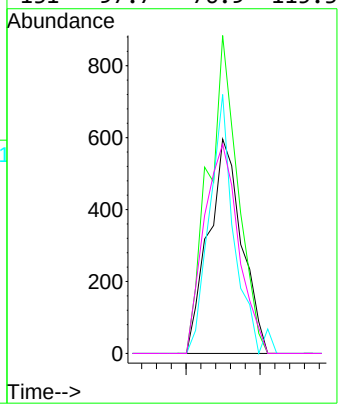


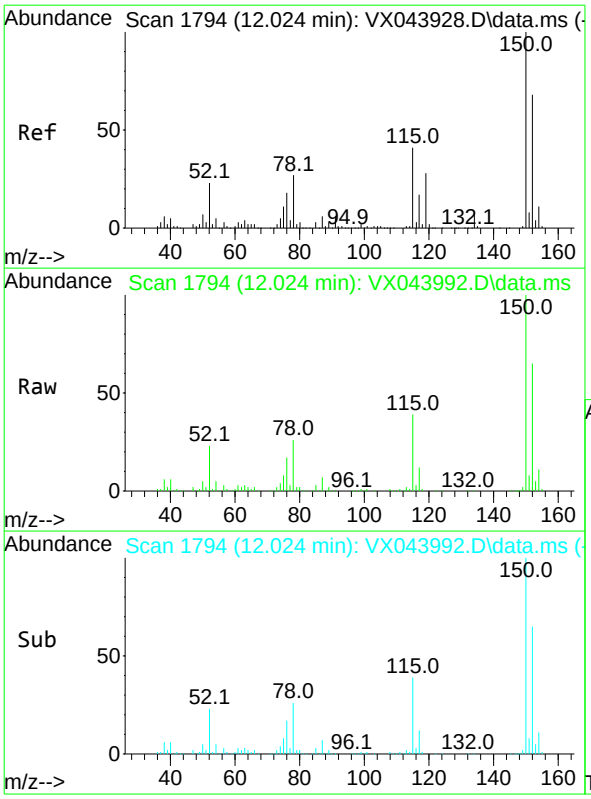


#64
Tetrachloroethene
Concen: 0.745 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Tgt Ion:164 Resp: 931

Ion	Ratio	Lower	Upper
164	100		
166	148.3	102.1	153.1
129	120.8	79.6	119.4#
131	97.7	76.9	115.3



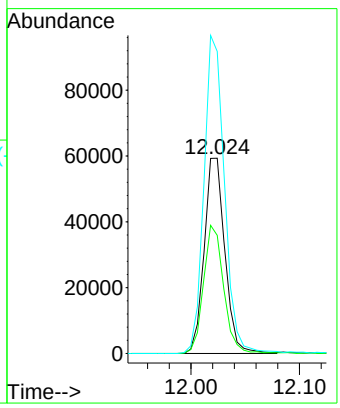


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043992.D
Acq: 25 Nov 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Tgt Ion:152 Resp: 78823

Ion	Ratio	Lower	Upper
152	100		
115	64.0	45.4	136.2
150	161.6	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043992.D
Acq On : 25 Nov 2024 17:21
Operator : JC/MD
Sample : P4873-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043992.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	35	rBV	17823	23098	1.53%	0.429%
2	1.593	67	83	84	rBV4	15868	56285	3.73%	1.045%
3	2.569	235	243	256	rBV2	9408	23879	1.58%	0.444%
4	5.379	693	704	717	rBV2	90792	269321	17.85%	5.003%
5	5.550	720	732	747	rVV	130157	380423	25.22%	7.066%
6	5.952	787	798	814	rBV	102519	277990	18.43%	5.164%
7	6.757	921	930	948	rBV	217485	526884	34.92%	9.787%
8	7.117	979	989	1009	rBV	689705	1508668	100.00%	28.023%
9	8.647	1234	1240	1254	rBV	448829	714418	47.35%	13.270%
10	10.049	1465	1470	1487	rBV	419831	618917	41.02%	11.496%
11	11.079	1633	1639	1653	rBV	339744	453628	30.07%	8.426%
12	12.018	1788	1793	1806	rBV	413993	530188	35.14%	9.848%

Sum of corrected areas: 5383699

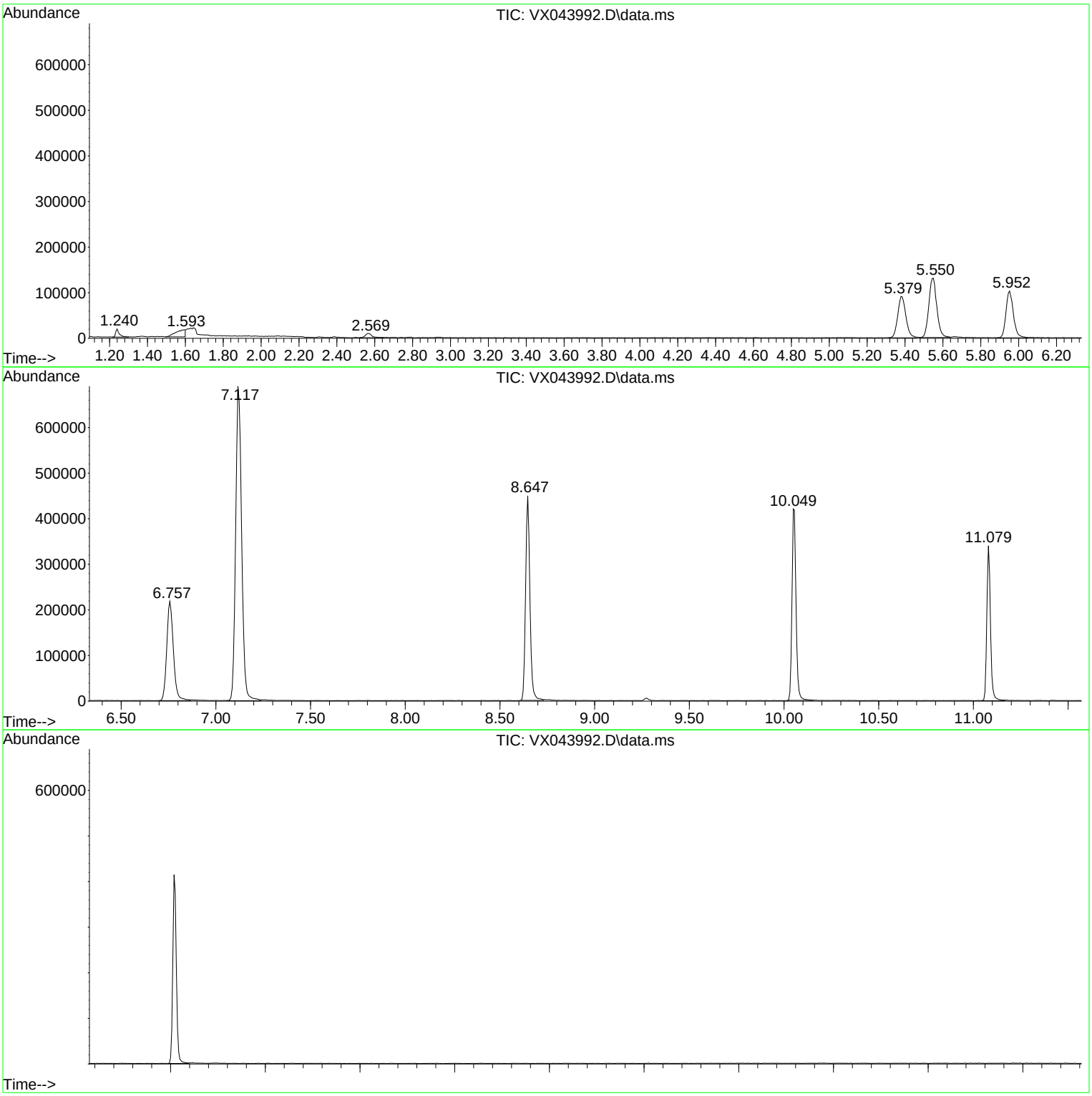
Sample Results: **VX043992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043992.D
Acq On : 25 Nov 2024 17:21
Operator : JC/MD
Sample : P4873-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043992.D
Acq On : 25 Nov 2024 17:21
Operator : JC/MD
Sample : P4873-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

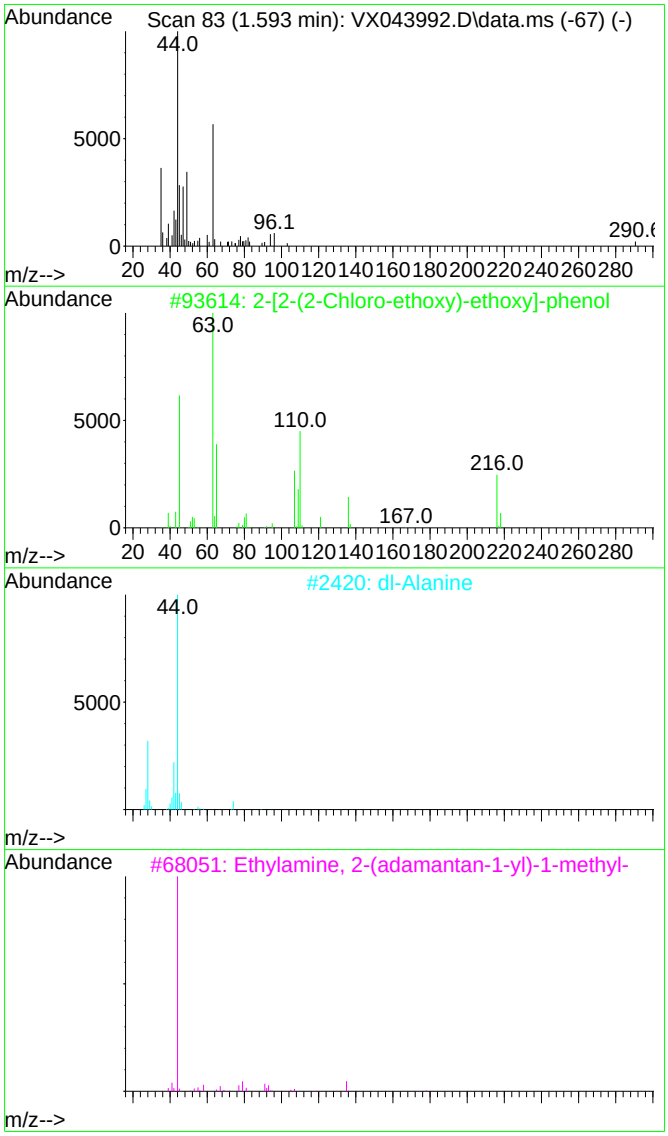
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

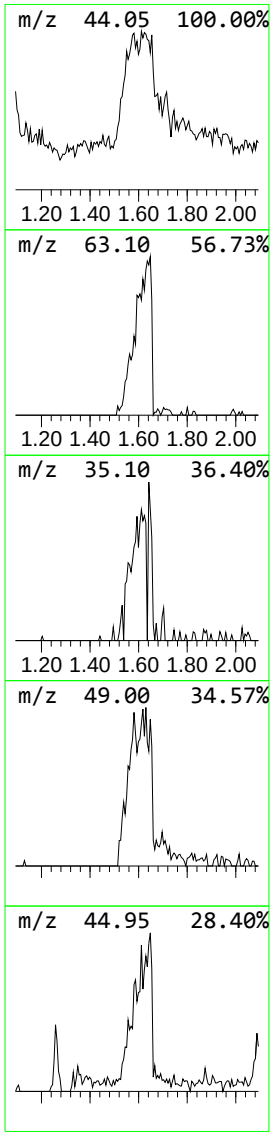
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.593 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.593	7.40 ug/l	56285	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	17
2	dl-Alanine	89	C3H7NO2	000302-72-7	9
3	Ethylamine, 2-(adamantan-1-yl)-1...	193	C13H23N	1000310-59-0	9
4	Cystamine	152	C4H12N2S2	000051-85-4	9
5	Dimethyl-(6-methyl-2-thioxo-[1,3...	211	C6H14NOPS2	139575-19-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043992.D
Acq On : 25 Nov 2024 17:21
Operator : JC/MD
Sample : P4873-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.593	1.593	7.4	ug/l	56285	1	5.544	380423	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-GEP-3-20241114DL	SDG No.:	P4873
Lab Sample ID:	P4873-07DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044012.D	5		11/26/24 13:18	VX112624

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	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	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	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	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	3.00	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	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	8.10	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	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	1.30	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	0.90	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	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	150	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	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:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-GEP-3-20241114DL	SDG No.:	P4873
Lab Sample ID:	P4873-07DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044012.D	5		11/26/24 13:18	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	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	5.70	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	0.80	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.30	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	2.10	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	2.60	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	111000	5.544				
540-36-3	1,4-Difluorobenzene	210000	6.757				
3114-55-4	Chlorobenzene-d5	187000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	78200	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-GEP-3-20241114DL	SDG No.:	P4873
Lab Sample ID:	P4873-07DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044012.D	5		11/26/24 13:18	VX112624

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\VX112624\
Data File : VX044012.D
Acq On : 26 Nov 2024 13:18
Operator : JC/MD
Sample : P4873-07DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Quant Time: Nov 27 00:51:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

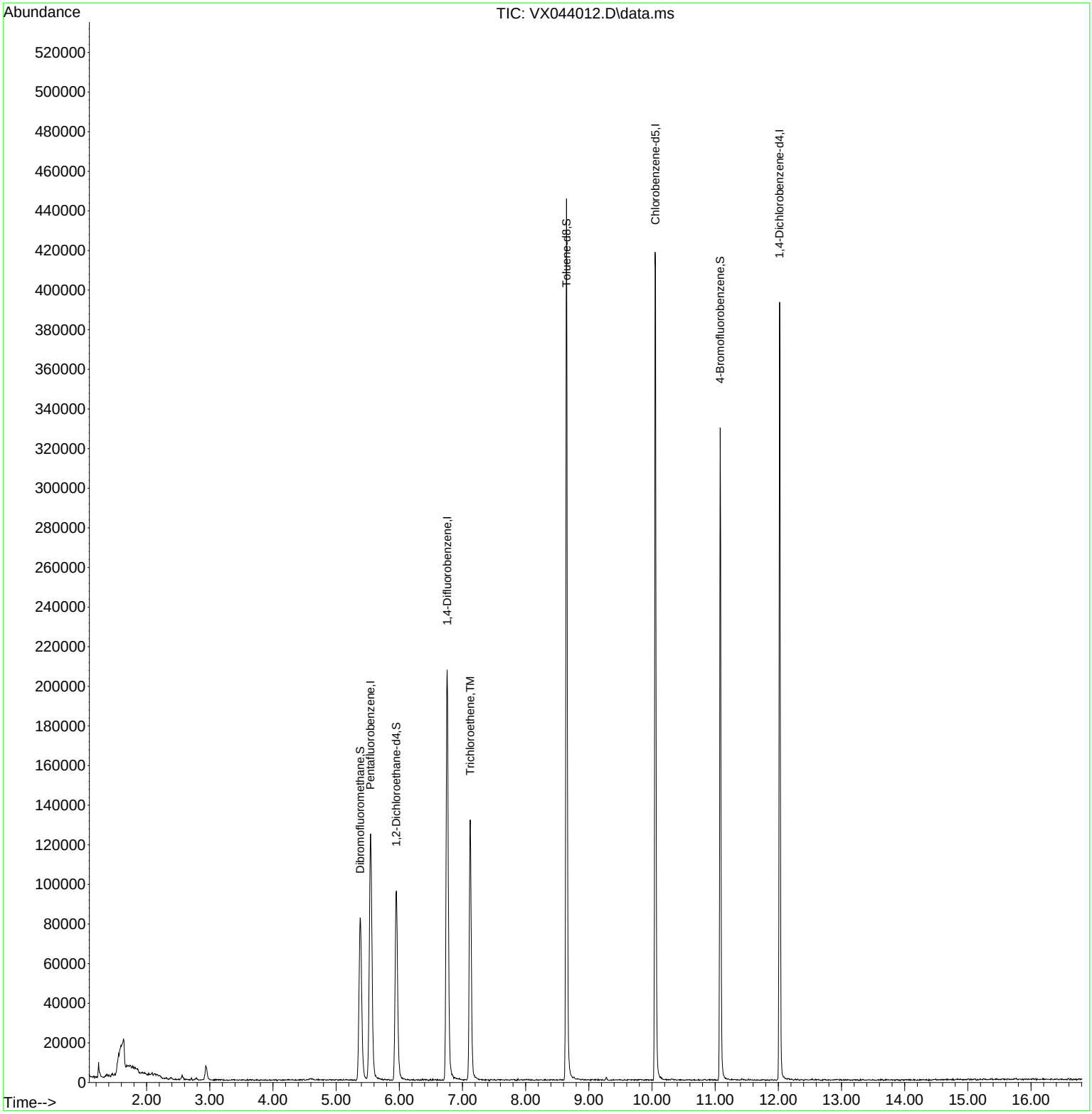
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95153	50.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.280%			
35) Dibromofluoromethane	5.379	113	69909	46.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.120%			
50) Toluene-d8	8.647	98	258123	49.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.740%			
62) 4-Bromofluorobenzene	11.079	95	85448	48.510	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.020%			
Target Compounds						Qvalue
44) Trichloroethene	7.123	130	49983	30.295	ug/l	91

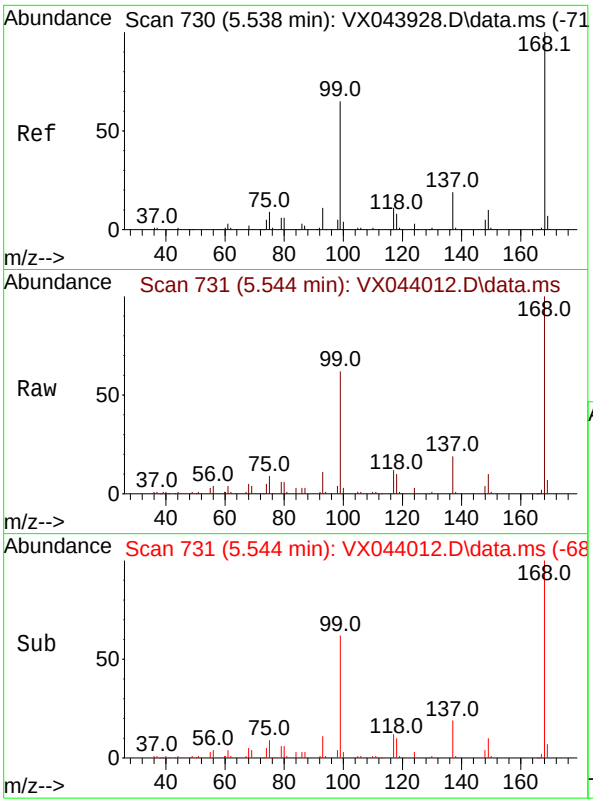
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044012.D
Acq On : 26 Nov 2024 13:18
Operator : JC/MD
Sample : P4873-07DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Quant Time: Nov 27 00:51:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



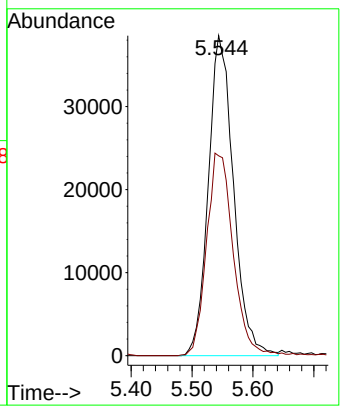


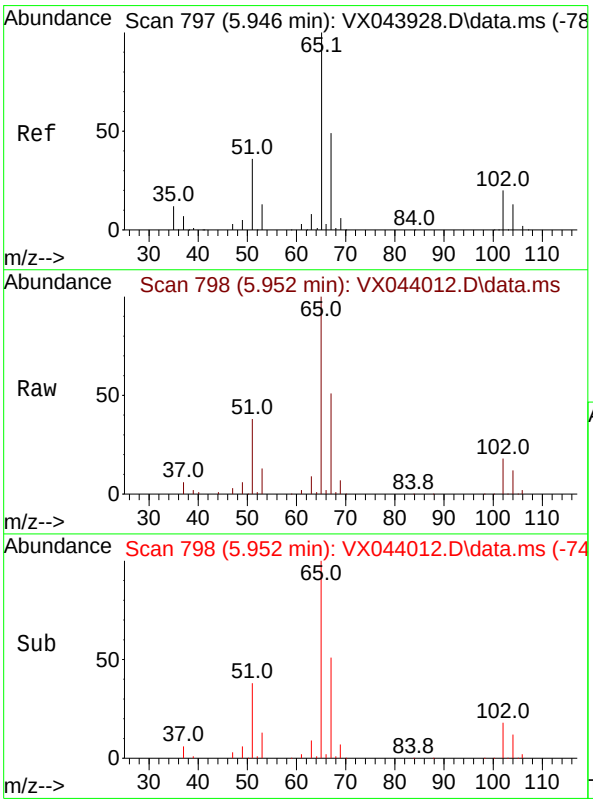
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Tgt Ion:168 Resp: 110646

Ion	Ratio	Lower	Upper
168	100		
99	62.5	51.8	77.8

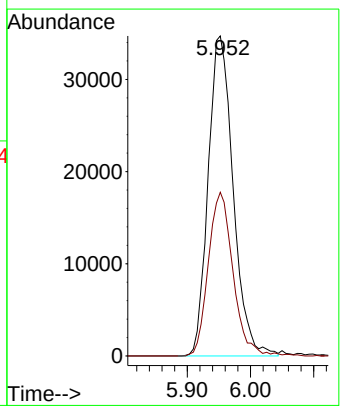


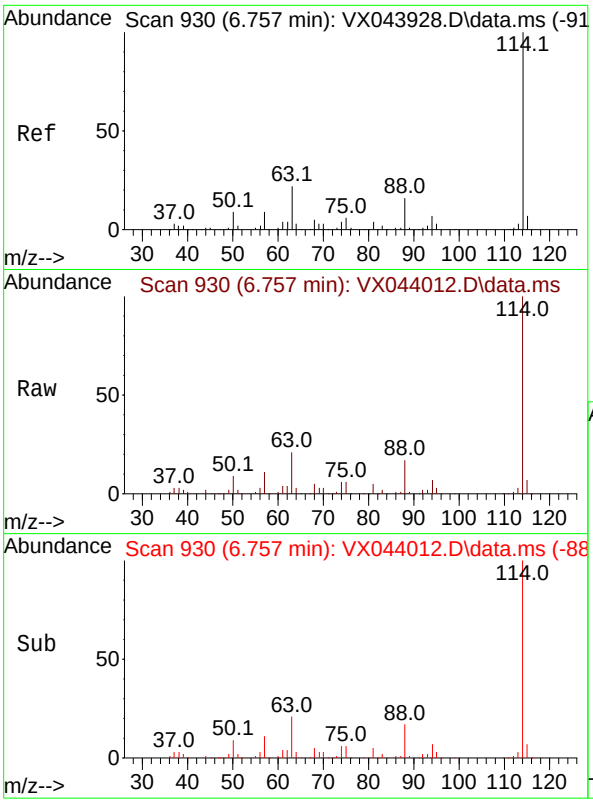


#33
1,2-Dichloroethane-d4
Concen: 50.139 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Tgt Ion: 65 Resp: 95153

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.8



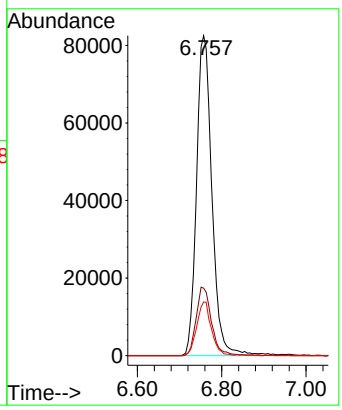


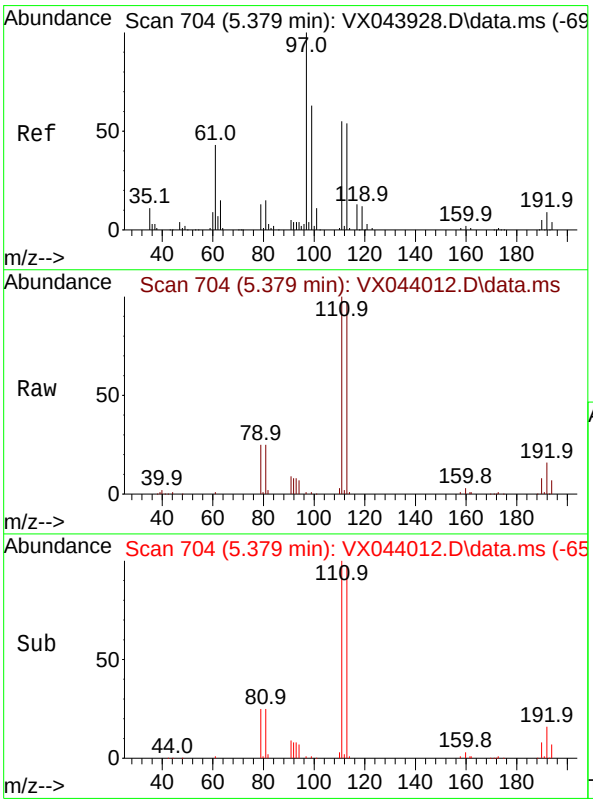
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Tgt Ion:114 Resp: 210130

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.8	0.0	32.4

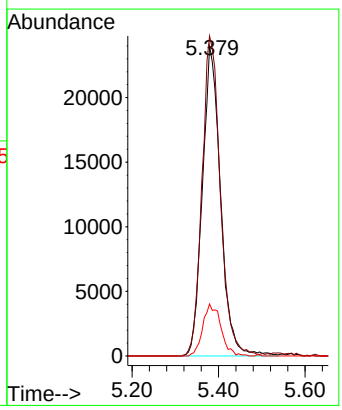


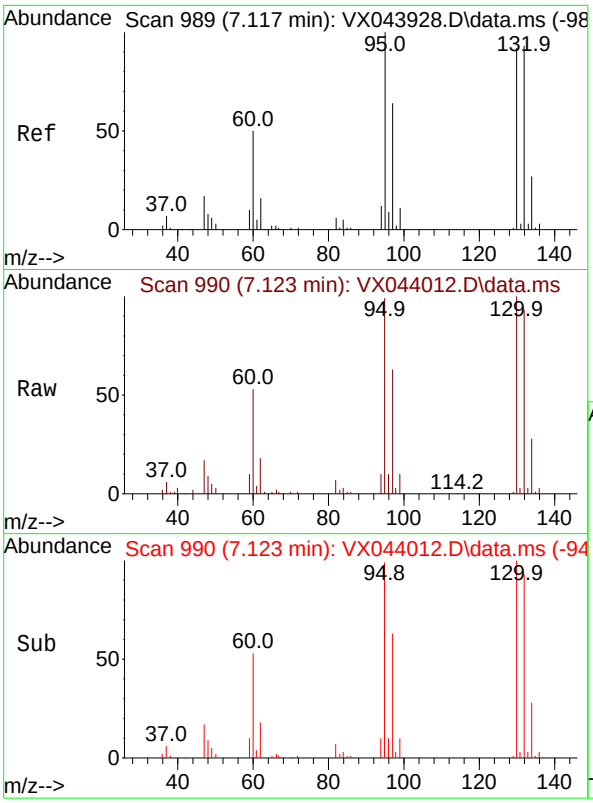


#35
Dibromofluoromethane
Concen: 46.560 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Tgt Ion:113 Resp: 69909

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	16.7	13.0	19.6



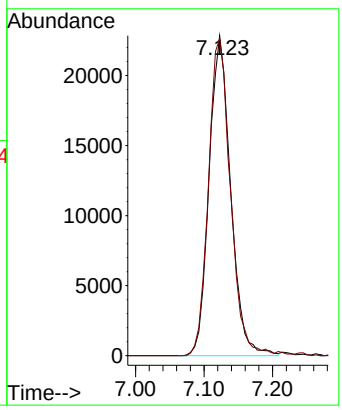


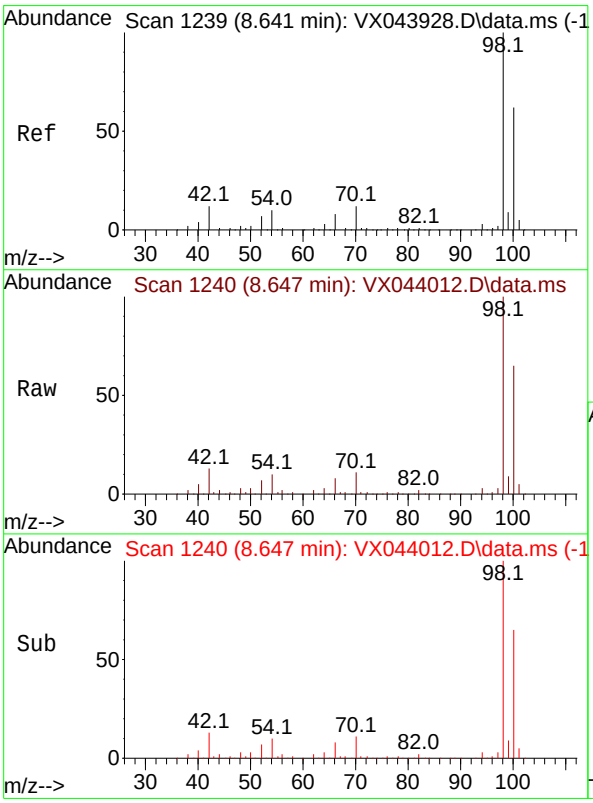
#44
Trichloroethene
Concen: 30.295 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Tgt Ion:130 Resp: 49983

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	217.8

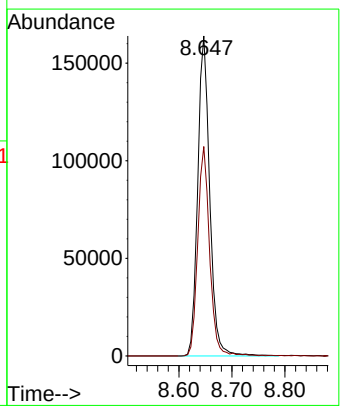


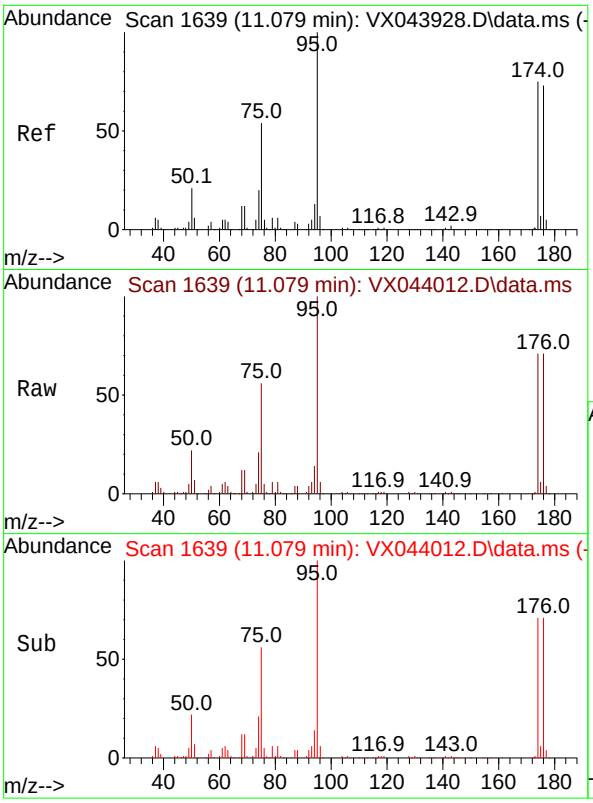


#50
Toluene-d8
Concen: 49.871 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Tgt Ion: 98 Resp: 258123

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0



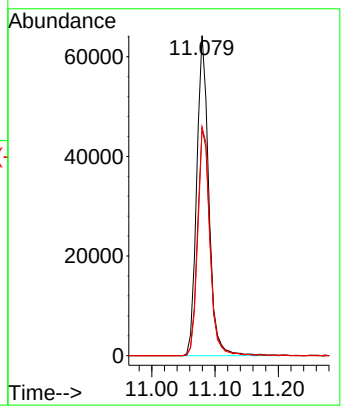


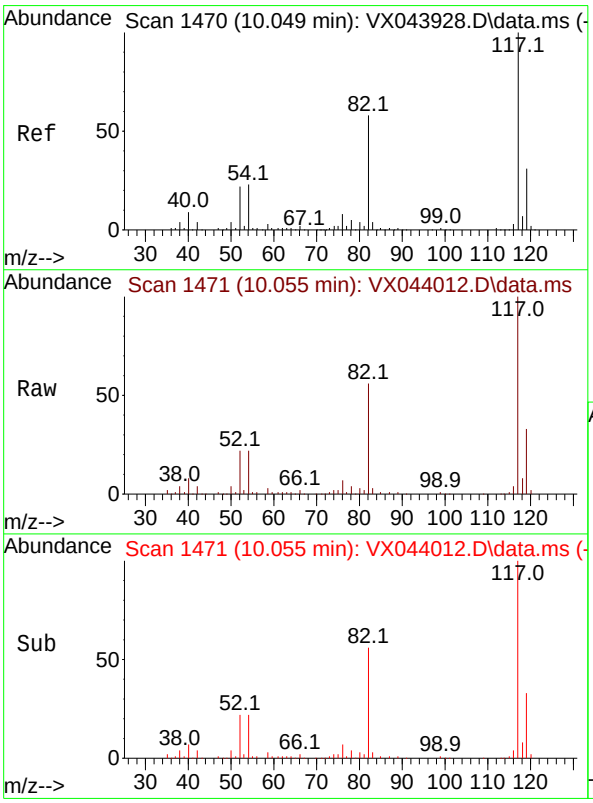
#62
4-Bromofluorobenzene
Concen: 48.510 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Tgt Ion: 95 Resp: 85448

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.4
176	71.7	0.0	146.0

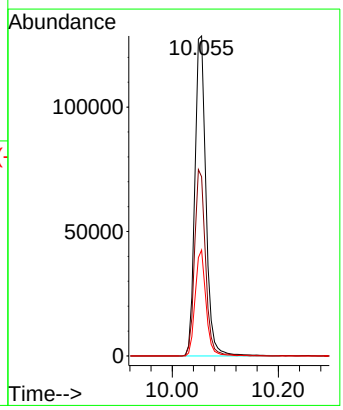


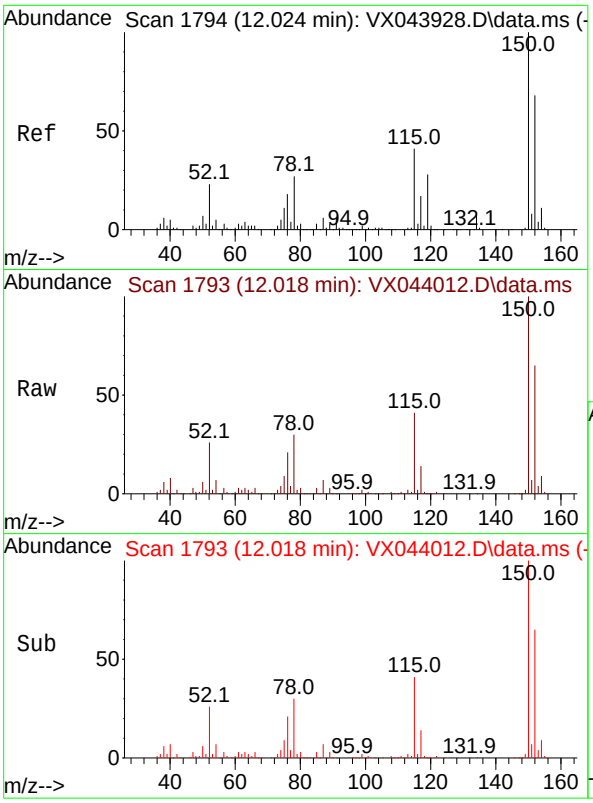


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Tgt Ion:117 Resp: 186506

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.4	69.6
119	33.1	24.6	37.0



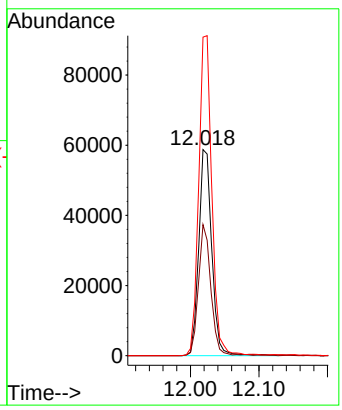


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044012.D
Acq: 26 Nov 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-3-20241114DL

Tgt Ion:152 Resp: 78197

Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.4	136.2
150	155.9	0.0	353.0



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-28-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043993.D	1		11/25/24 17:44	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.35	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.80	J	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	1.40		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	3.50		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	250	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	1.70		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-28-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043993.D	1		11/25/24 17:44	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	1.70		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	24.4		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	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	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.55				
540-36-3	1,4-Difluorobenzene	207000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	69500	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-28-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043993.D	1		11/25/24 17:44	VX112524

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\VX112524\
Data File : VX043993.D
Acq On : 25 Nov 2024 17:44
Operator : JC/MD
Sample : P4873-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Quant Time: Nov 26 00:51:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

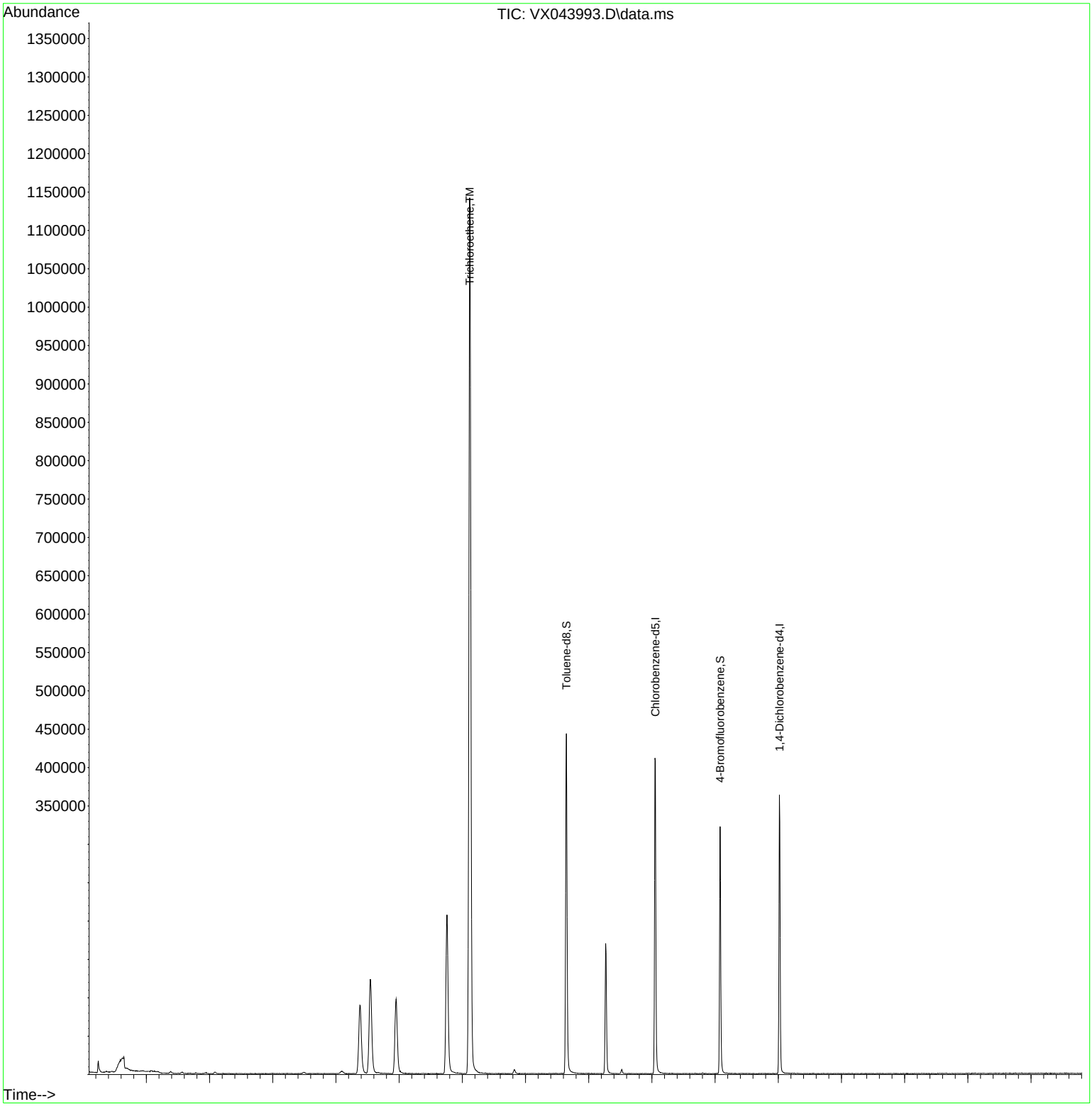
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	108714	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	206635	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94974	50.934	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.860%			
35) Dibromofluoromethane	5.379	113	69574	47.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.240%			
50) Toluene-d8	8.647	98	259104	50.908	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	79414	45.847	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.700%			
Target Compounds						Qvalue
16) Acetone	2.386	43	2595	3.030	ug/l	93
20) Methylene Chloride	2.782	84	509	0.350	ug/l #	77
21) trans-1,2-Dichloroethene	3.081	96	1036	0.801	ug/l #	72
30) Chloroform	5.093	83	3767	1.387	ug/l #	79
32) 1,1,1-Trichloroethane	5.373	97	8101	3.459	ug/l #	87
44) Trichloroethene	7.117	130	405015	249.635	ug/l	94
47) Bromodichloromethane	7.824	83	3405	1.710	ug/l #	94
60) Dibromochloromethane	9.525	129	2389	1.682	ug/l	96
64) Tetrachloroethene	9.269	164	29576	24.432	ug/l	96

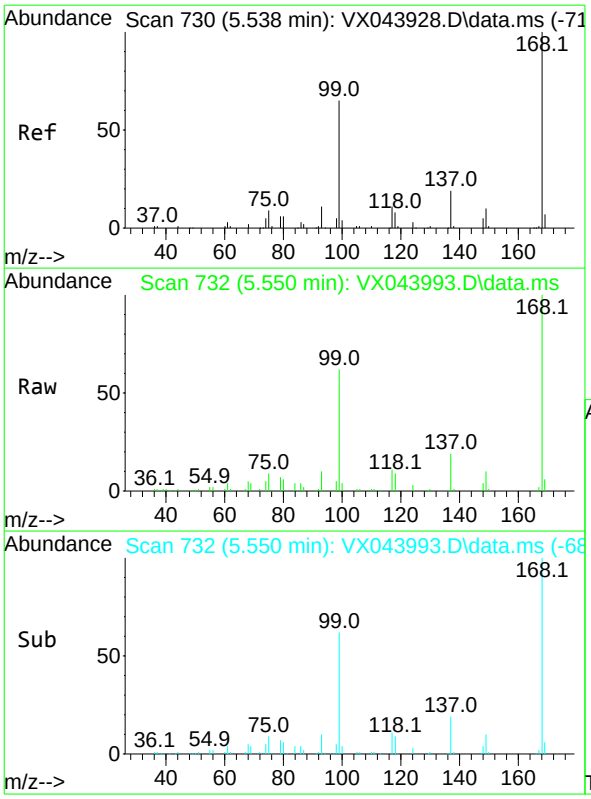
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043993.D
Acq On : 25 Nov 2024 17:44
Operator : JC/MD
Sample : P4873-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Quant Time: Nov 26 00:51:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



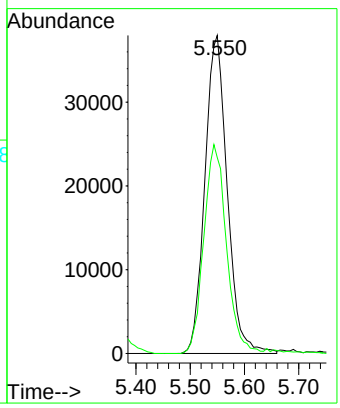


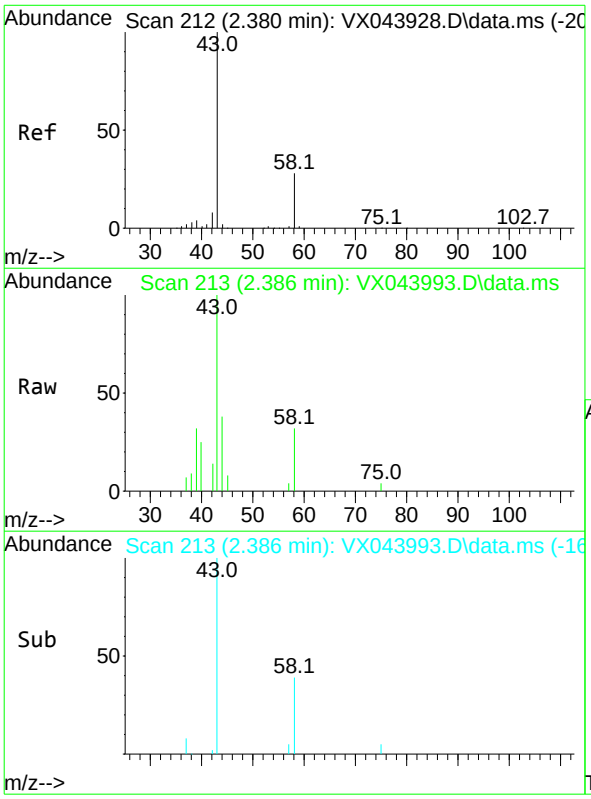
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion:168 Resp: 108714

Ion	Ratio	Lower	Upper
168	100		
99	61.6	51.8	77.8

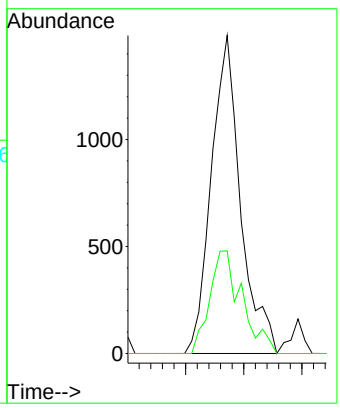


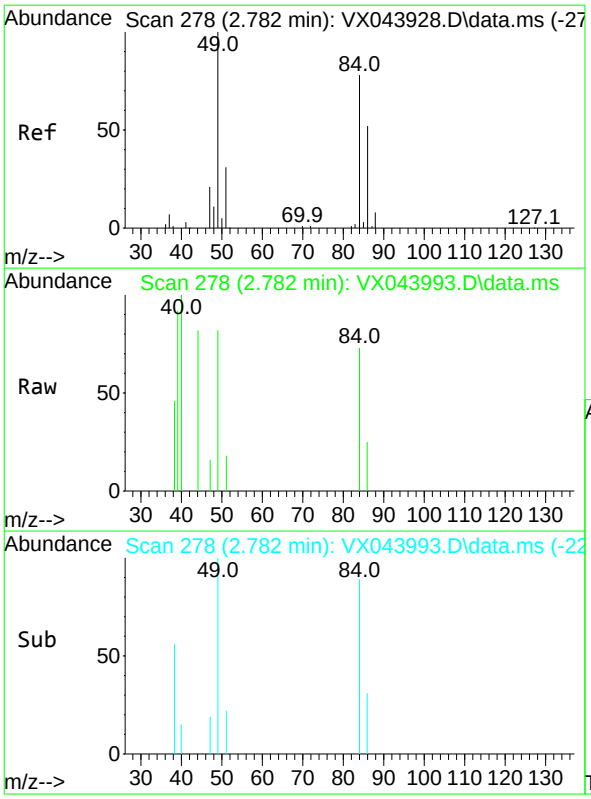


#16
Acetone
Concen: 3.030 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 43 Resp: 2595

Ion	Ratio	Lower	Upper
43	100		
58	32.3	22.7	34.1



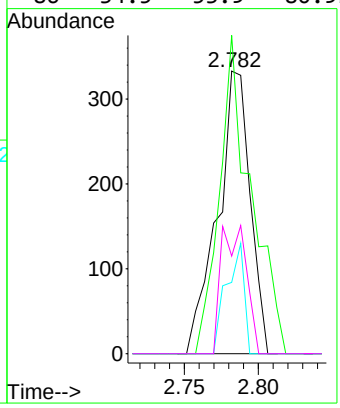


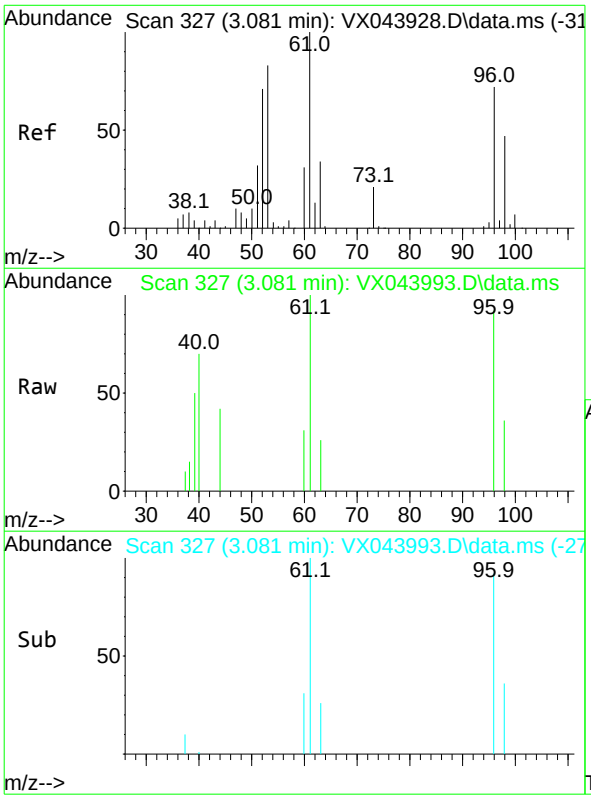
#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion: 84 Resp: 509

Ion	Ratio	Lower	Upper
84	100		
49	112.6	102.7	154.1
51	25.2	31.7	47.5#
86	34.5	53.9	80.9#

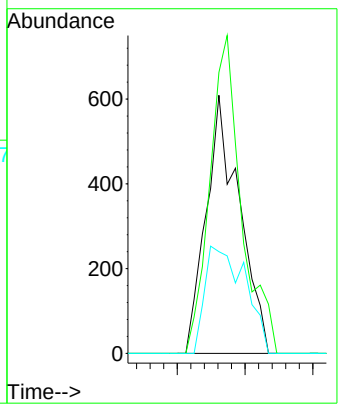


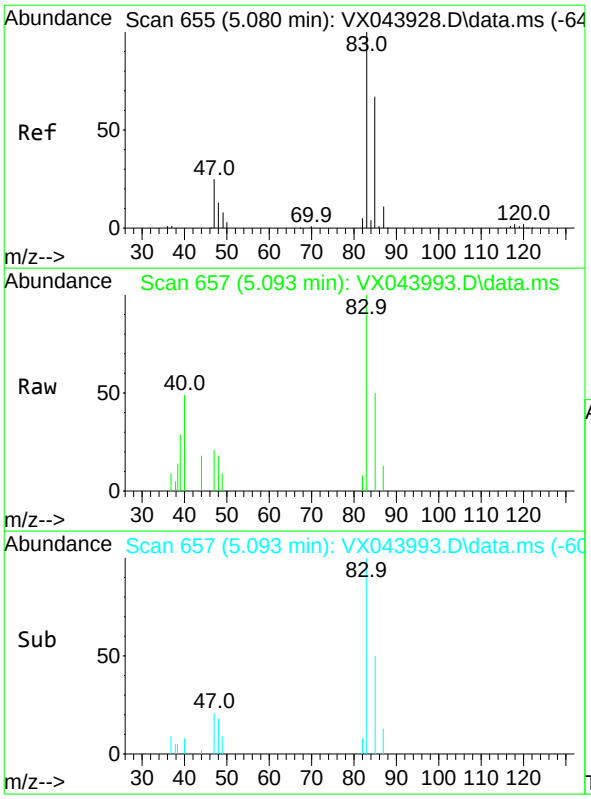


#21
trans-1,2-Dichloroethene
Concen: 0.801 ug/l
RT: 3.081 min Scan# 327
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 96 Resp: 1036

Ion	Ratio	Lower	Upper
96	100		
61	108.9	111.8	167.6#
98	39.4	52.7	79.1#



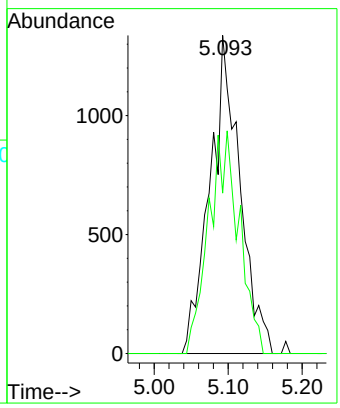


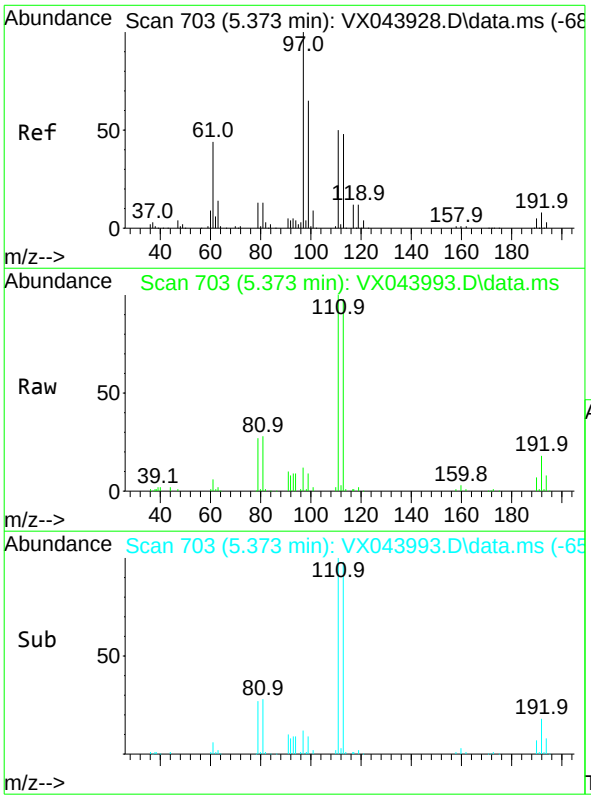
#30
Chloroform
Concen: 1.387 ug/l
RT: 5.093 min Scan# 65
Delta R.T. 0.012 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion: 83 Resp: 3767

Ion	Ratio	Lower	Upper
83	100		
85	50.4	53.5	80.3#

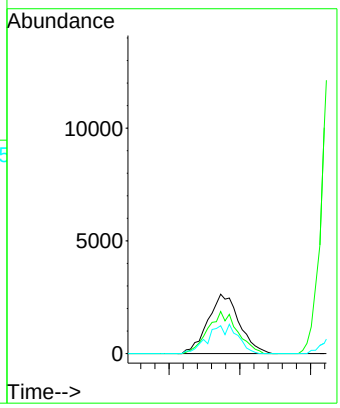


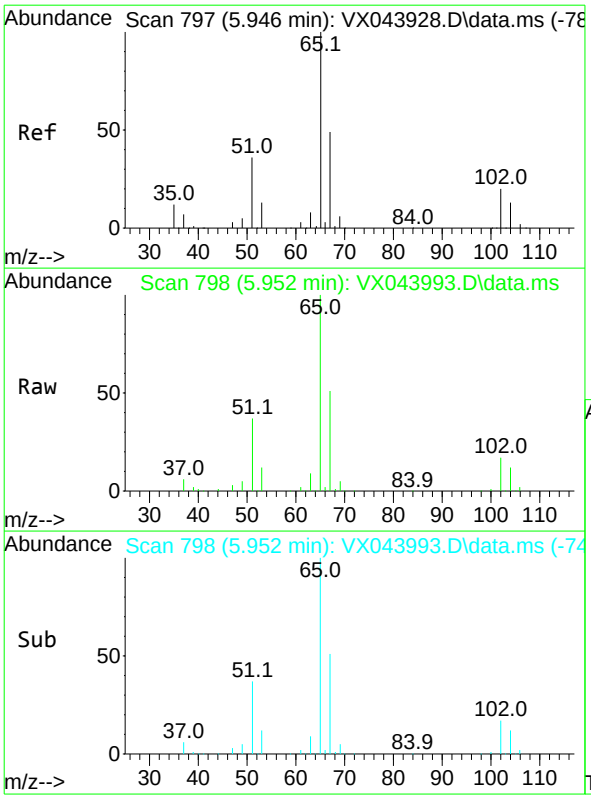


#32
1,1,1-Trichloroethane
Concen: 3.459 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 97 Resp: 8101

Ion	Ratio	Lower	Upper
97	100		
99	66.6	50.8	76.2
61	27.9	35.4	53.2#



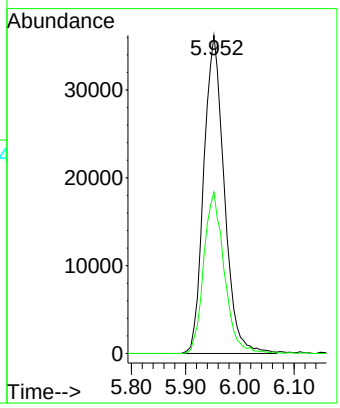


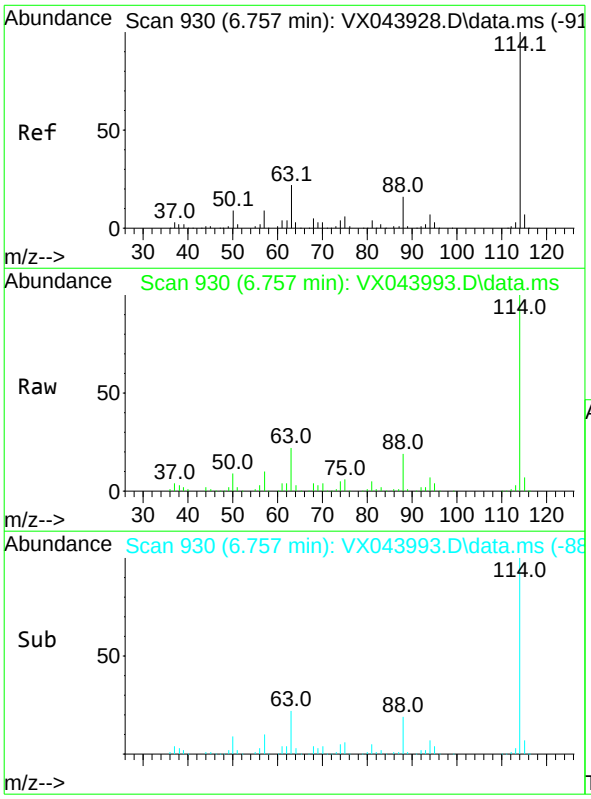
#33
1,2-Dichloroethane-d4
Concen: 50.934 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion: 65 Resp: 94974

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	100.8

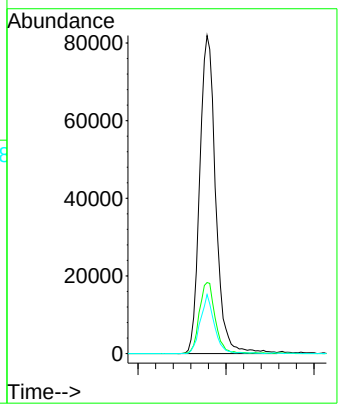


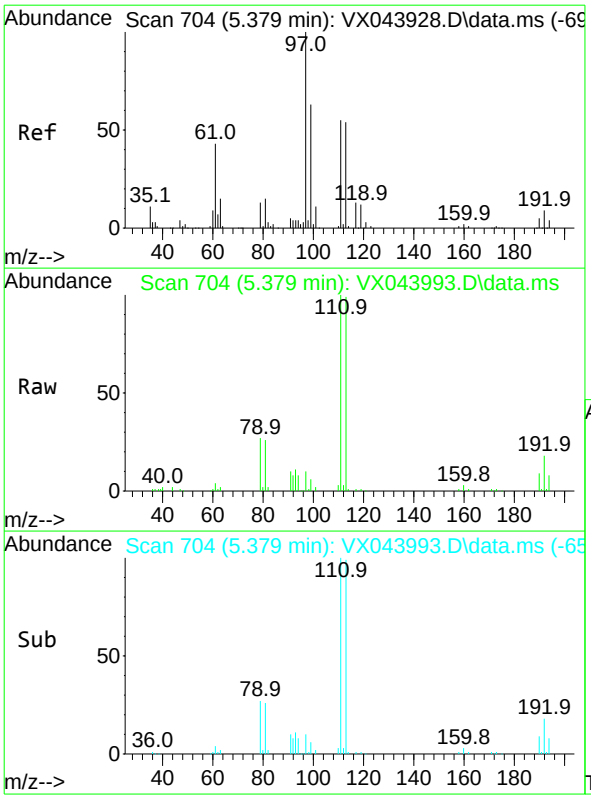


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion:114 Resp: 206635

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	18.6	0.0	32.4



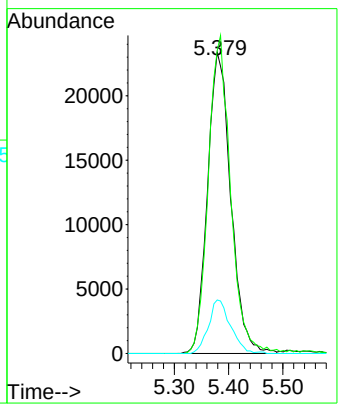


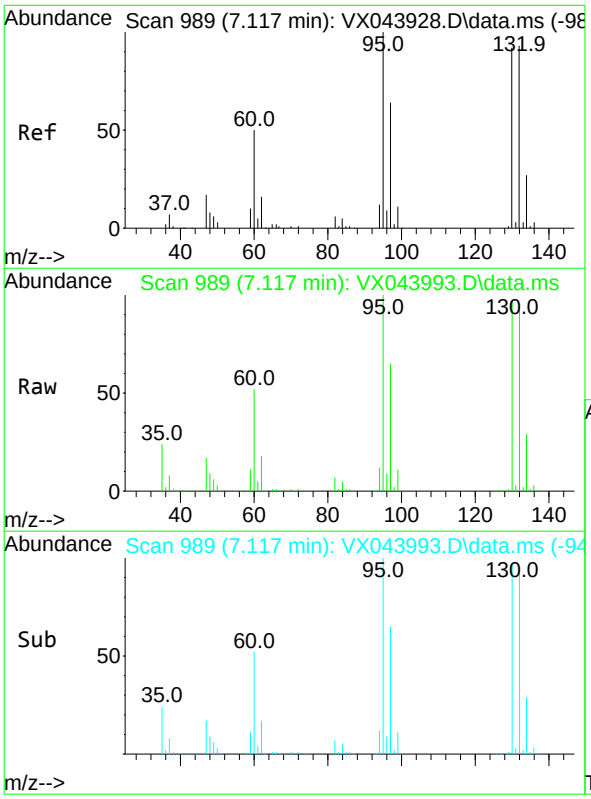
#35
Dibromofluoromethane
Concen: 47.121 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion:113 Resp: 69574

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	16.8	13.0	19.6

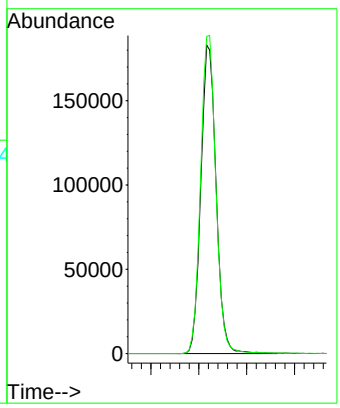


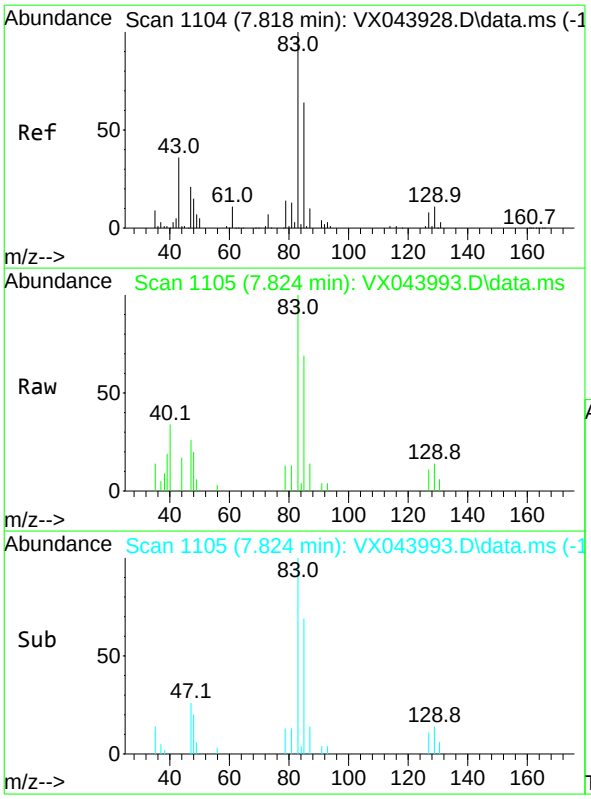


#44
Trichloroethene
Concen: 249.635 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion:130 Resp: 405015

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	217.8



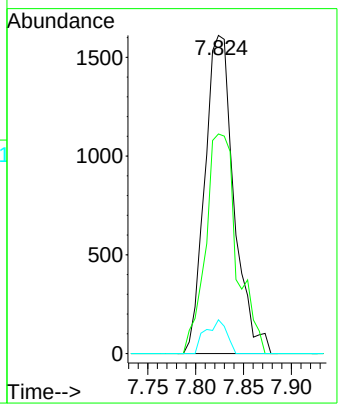


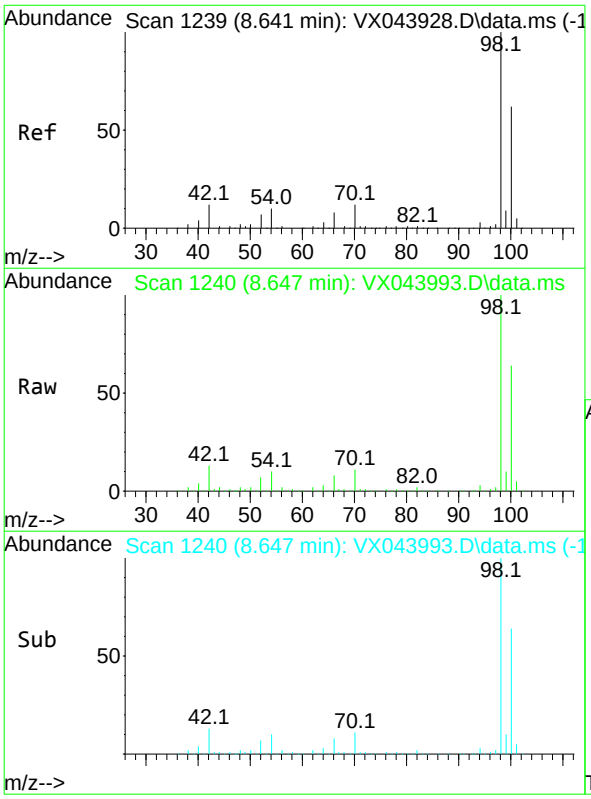
#47
Bromodichloromethane
Concen: 1.710 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion: 83 Resp: 3405

Ion	Ratio	Lower	Upper
83	100		
85	69.0	51.4	77.0
127	10.6	6.6	10.0#

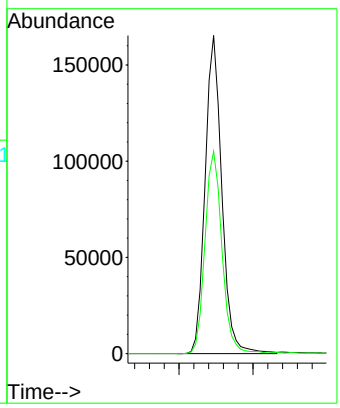


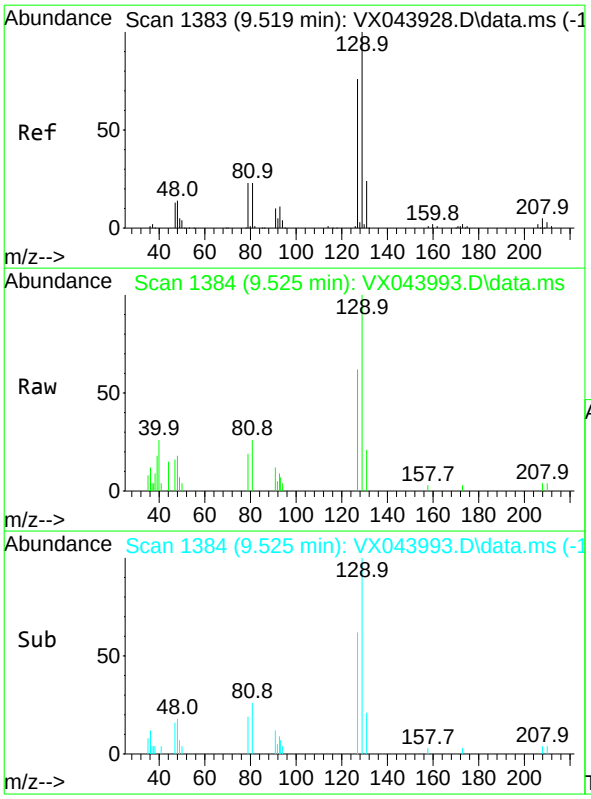


#50
Toluene-d8
Concen: 50.908 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 98 Resp: 259104

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0



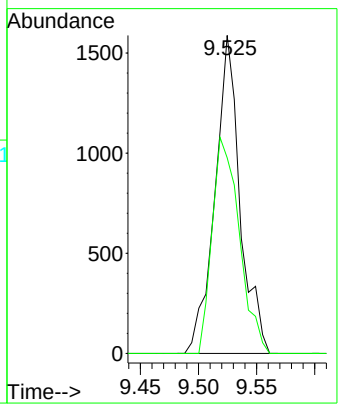


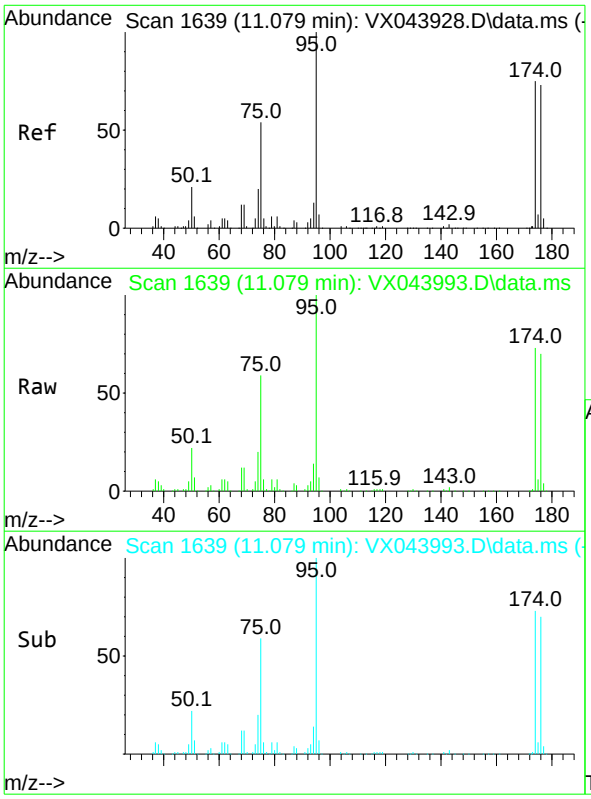
#60
Dibromochloromethane
Concen: 1.682 ug/l
RT: 9.525 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion:129 Resp: 2389

Ion	Ratio	Lower	Upper
129	100		
127	73.4	38.2	114.6

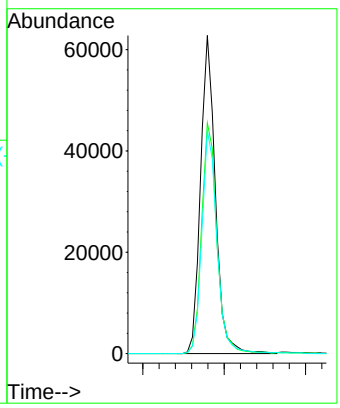


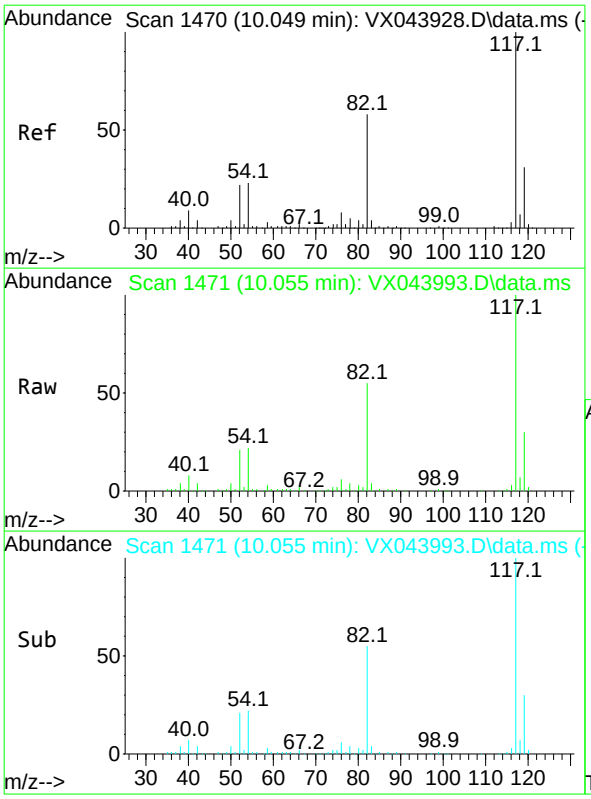


#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion: 95 Resp: 79414

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.4
176	72.0	0.0	146.0



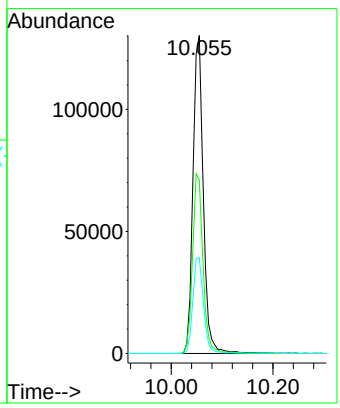


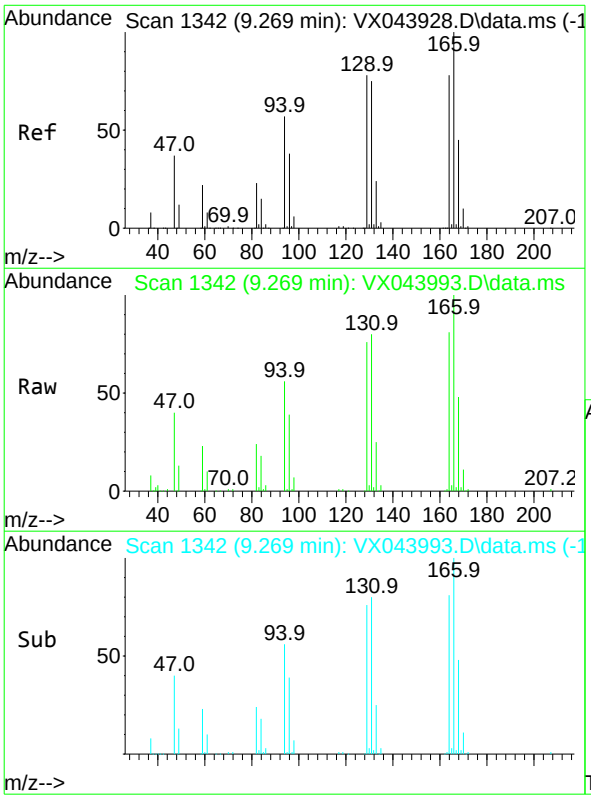
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion:117 Resp: 183586

Ion	Ratio	Lower	Upper
117	100		
82	54.6	46.4	69.6
119	30.1	24.6	37.0

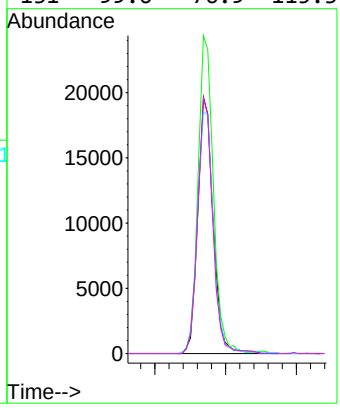


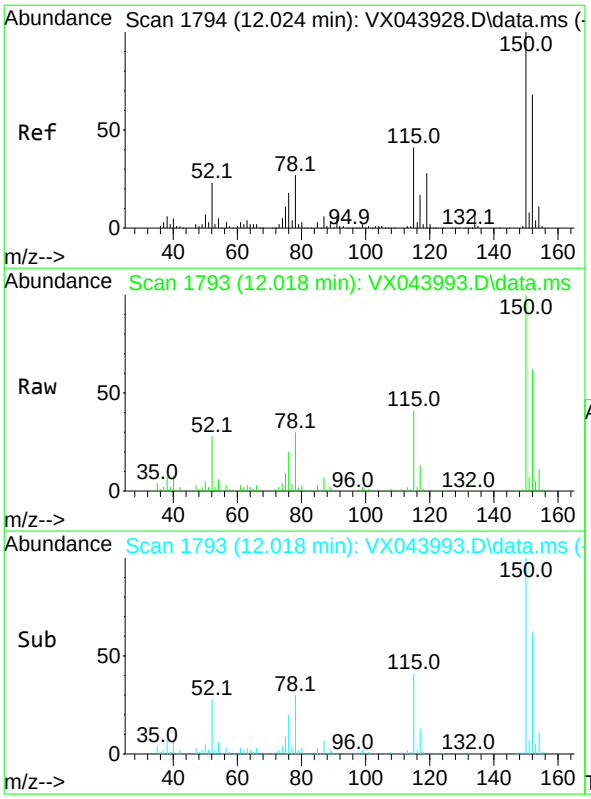


#64
Tetrachloroethene
Concen: 24.432 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Tgt Ion:164 Resp: 29576

Ion	Ratio	Lower	Upper
164	100		
166	124.0	102.1	153.1
129	94.1	79.6	119.4
131	99.6	76.9	115.3



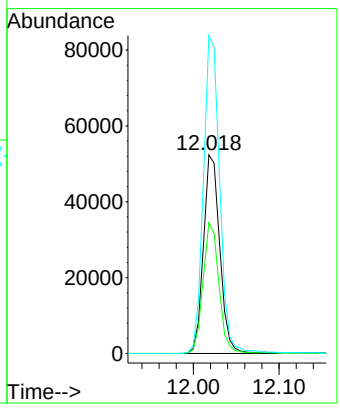


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043993.D
Acq: 25 Nov 2024 17:44

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Tgt Ion:152 Resp: 69483

Ion	Ratio	Lower	Upper
152	100		
115	63.9	45.4	136.2
150	160.4	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043993.D
Acq On : 25 Nov 2024 17:44
Operator : JC/MD
Sample : P4873-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043993.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	67	82	83	rBV	15662	45252	1.85%	0.715%
2	5.379	693	704	717	rBV2	89181	263589	10.79%	4.163%
3	5.544	721	731	746	rBV2	122428	353722	14.48%	5.587%
4	5.952	788	798	814	rBV2	97273	266517	10.91%	4.209%
5	6.757	920	930	954	rBV	207032	514850	21.08%	8.131%
6	7.117	980	989	1006	rBV	1141170	2442112	100.00%	38.570%
7	8.647	1234	1240	1256	rBV	443027	713566	29.22%	11.270%
8	9.269	1336	1342	1352	rBV	169632	256762	10.51%	4.055%
9	10.049	1465	1470	1484	rBV	411100	594812	24.36%	9.394%
10	11.079	1633	1639	1653	rBV	321971	411928	16.87%	6.506%
11	12.018	1788	1793	1806	rBV	362958	468521	19.19%	7.400%

Sum of corrected areas: 6331631

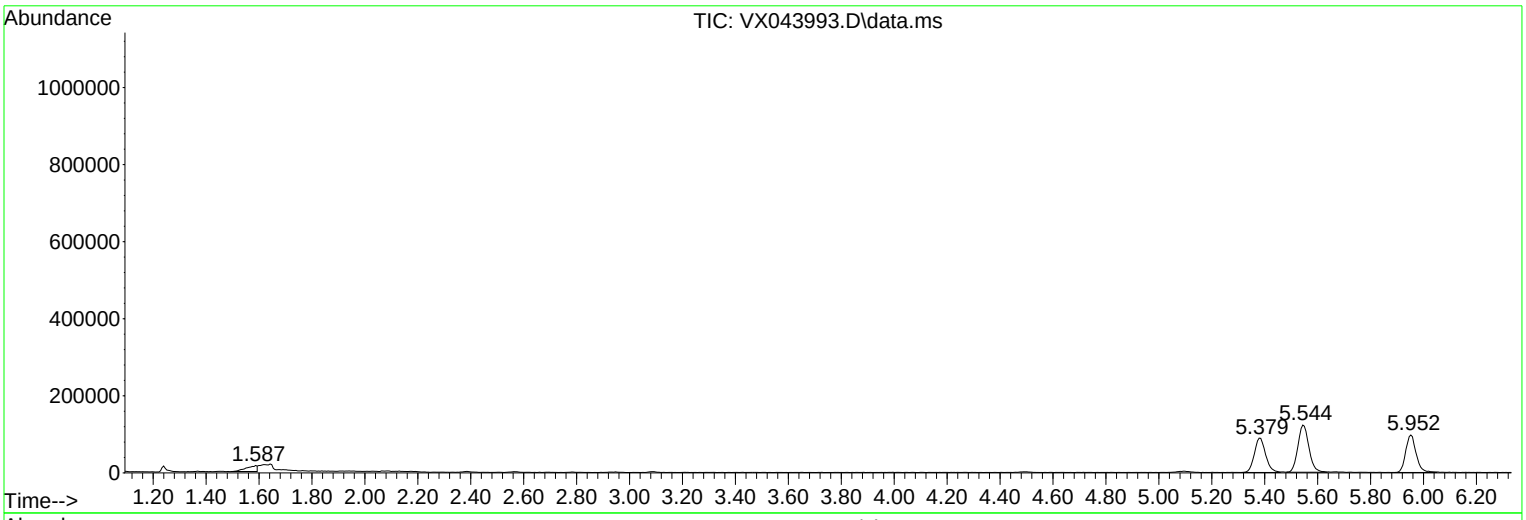
Sample Results: **VX043993.D**

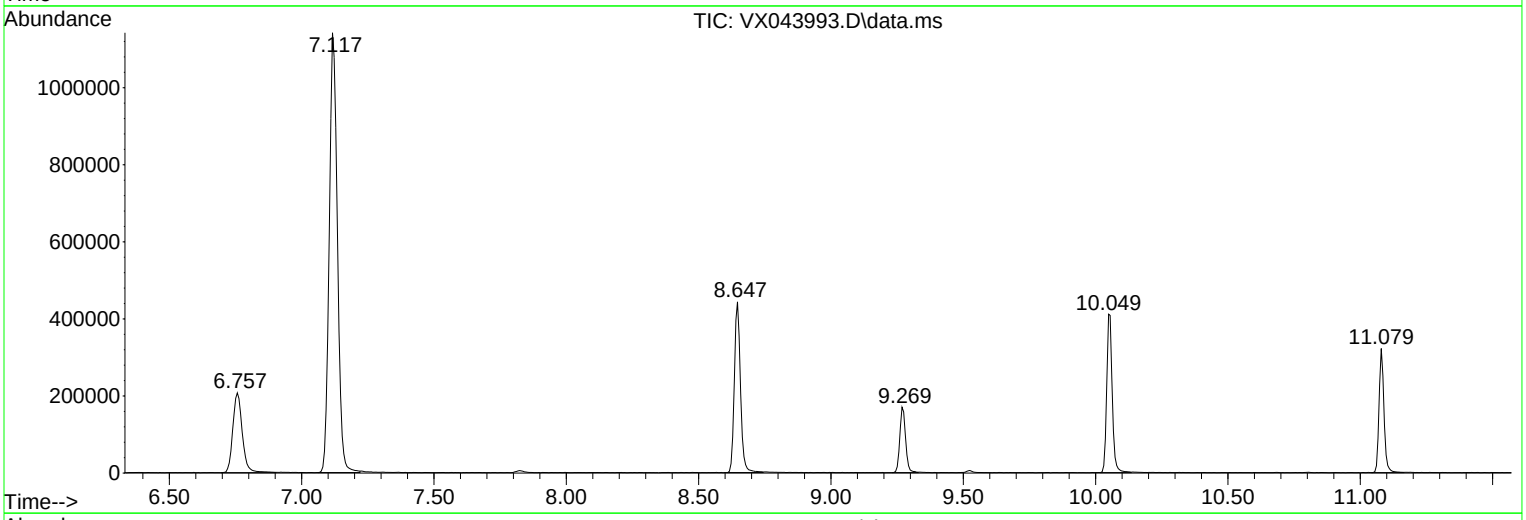
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043993.D
Acq On : 25 Nov 2024 17:44
Operator : JC/MD
Sample : P4873-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

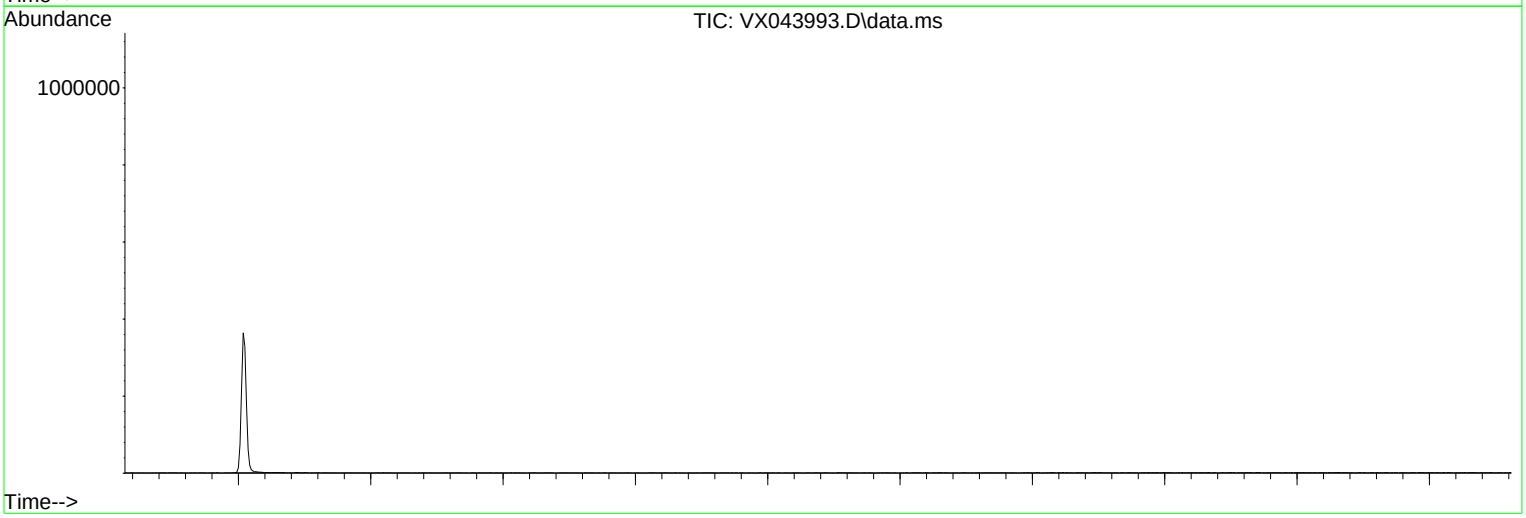
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043993.D
Acq On : 25 Nov 2024 17:44
Operator : JC/MD
Sample : P4873-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043993.D
Acq On : 25 Nov 2024 17:44
Operator : JC/MD
Sample : P4873-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-28-20241114DL	SDG No.:	P4873
Lab Sample ID:	P4873-08DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044013.D	10		11/26/24 13:41	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.10	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.50	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	3.40	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	13.6	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	5.60	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.40	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	2.60	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	13.9	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	3.20	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	6.00	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	3.20	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.50	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	16.2	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	13.0	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	2.50	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.60	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	1.90	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.90	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.60	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.40	5.00	10.0	ug/L
79-01-6	Trichloroethene	230	D	3.20	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	1.90	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.40	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	7.50	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.80	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:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-28-20241114DL	SDG No.:	P4873
Lab Sample ID:	P4873-08DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044013.D	10		11/26/24 13:41	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	2.10	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.80	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	11.3	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	1.60	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	20.7	D	2.50	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.30	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.60	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	3.10	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.40	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.60	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	2.10	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.30	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.70	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	2.40	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	2.70	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	4.60	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	4.20	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	5.10	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.55				
540-36-3	1,4-Difluorobenzene	215000	6.757				
3114-55-4	Chlorobenzene-d5	191000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	81000	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-28-20241114DL	SDG No.:	P4873
Lab Sample ID:	P4873-08DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044013.D	10		11/26/24 13:41	VX112624

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\VX112624\
Data File : VX044013.D
Acq On : 26 Nov 2024 13:41
Operator : JC/MD
Sample : P4873-08DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Quant Time: Nov 27 00:52:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

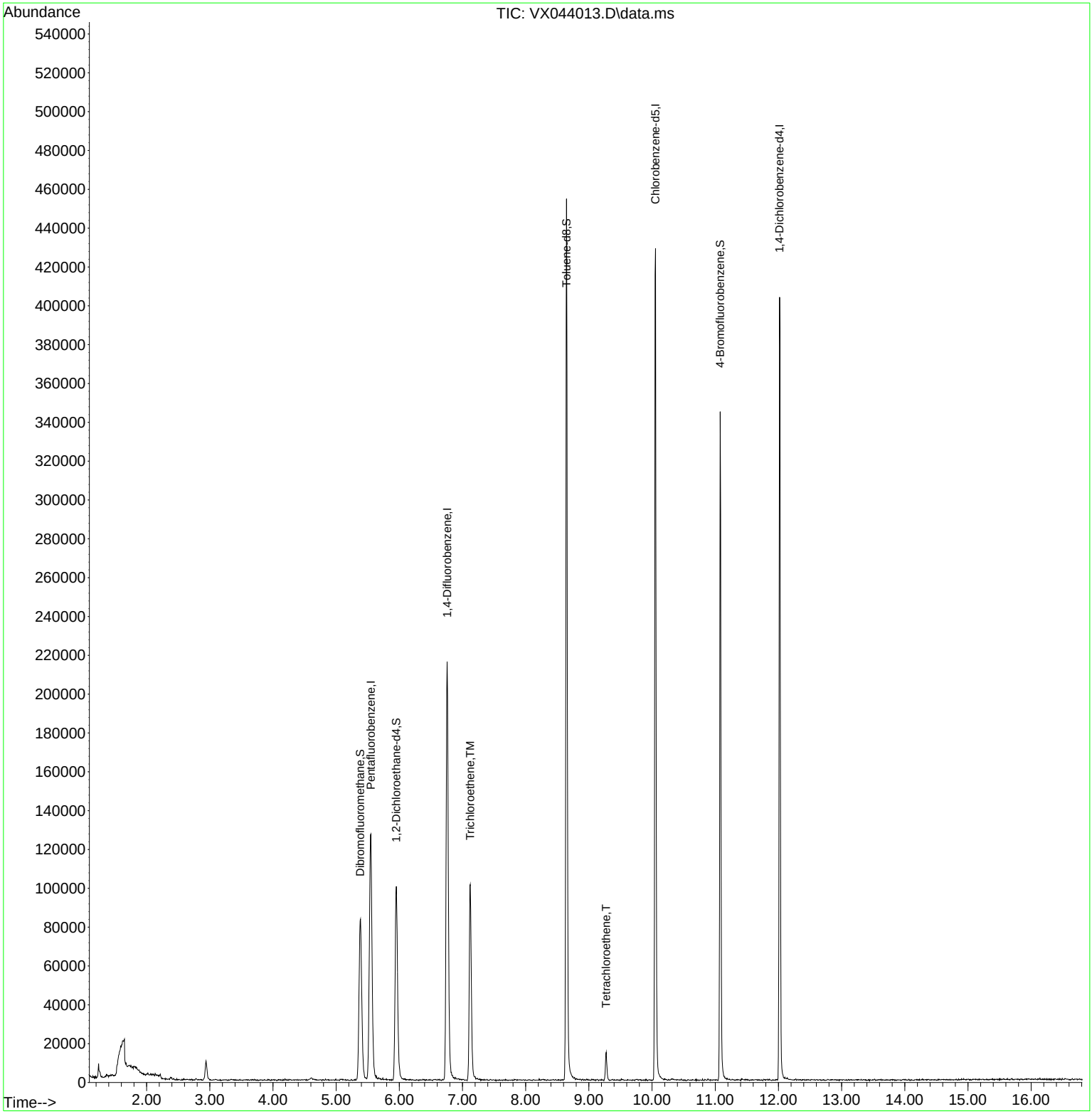
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112571	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	214625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97931	50.721	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.440%			
35) Dibromofluoromethane	5.379	113	71314	46.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.000%			
50) Toluene-d8	8.647	98	265038	50.135	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	11.079	95	88318	49.089	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.180%			
Target Compounds						Qvalue
44) Trichloroethene	7.123	130	38119	22.620	ug/l	84
64) Tetrachloroethene	9.275	164	2608	2.069	ug/l #	90

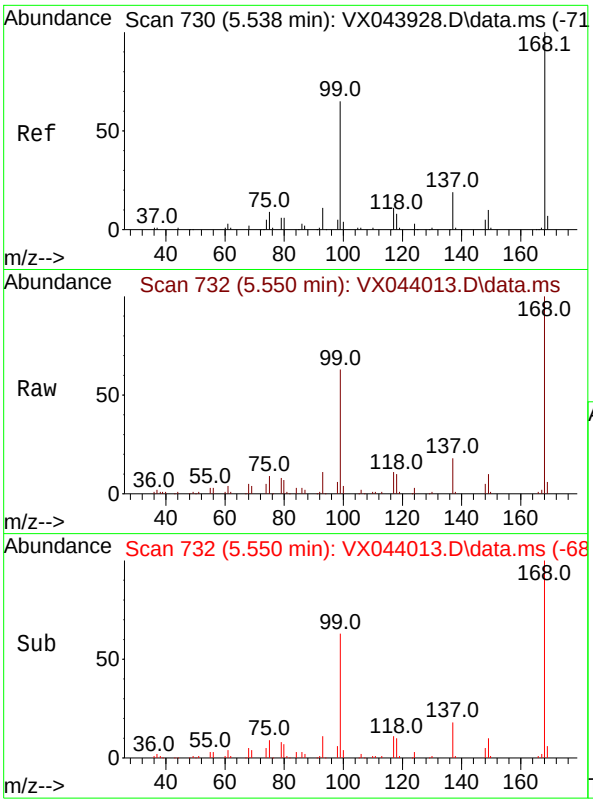
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044013.D
Acq On : 26 Nov 2024 13:41
Operator : JC/MD
Sample : P4873-08DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Quant Time: Nov 27 00:52:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



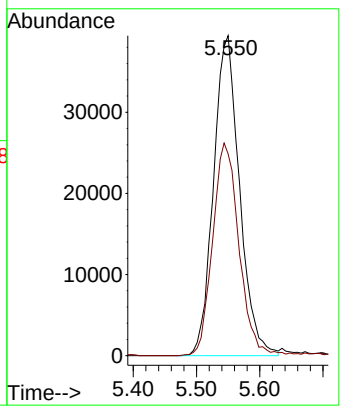


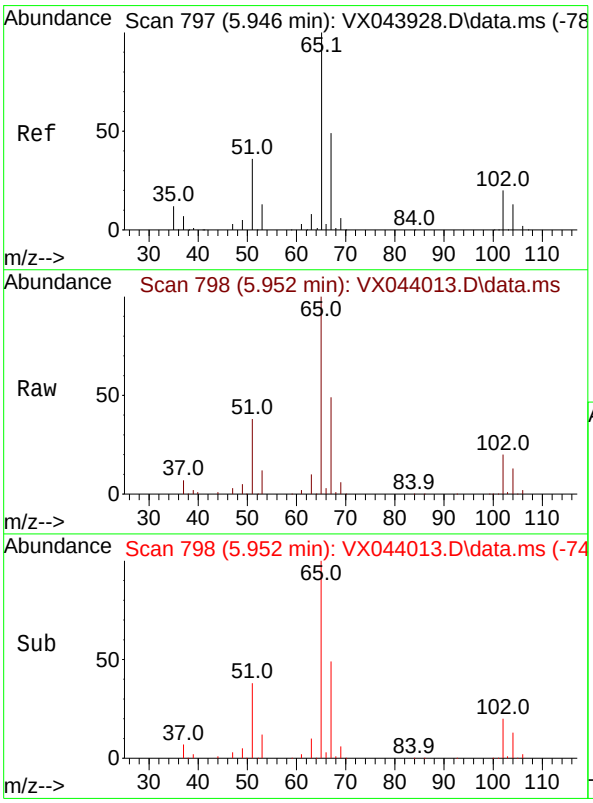
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Tgt Ion:168 Resp: 112571

Ion	Ratio	Lower	Upper
168	100		
99	63.1	51.8	77.8

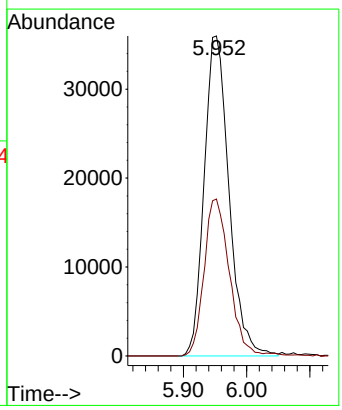


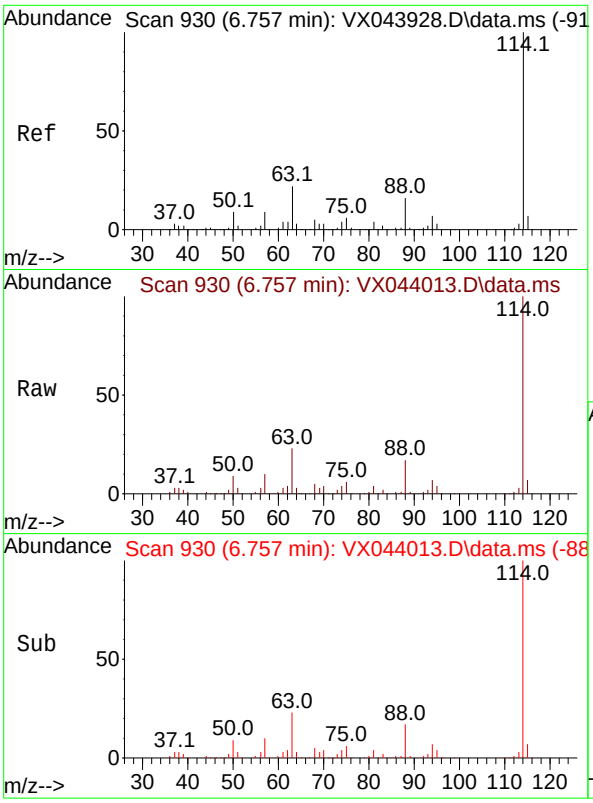


#33
1,2-Dichloroethane-d4
Concen: 50.721 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Tgt Ion: 65 Resp: 97931

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	100.8



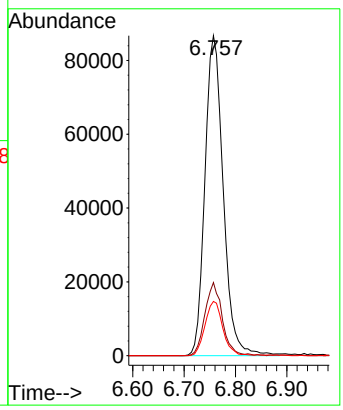


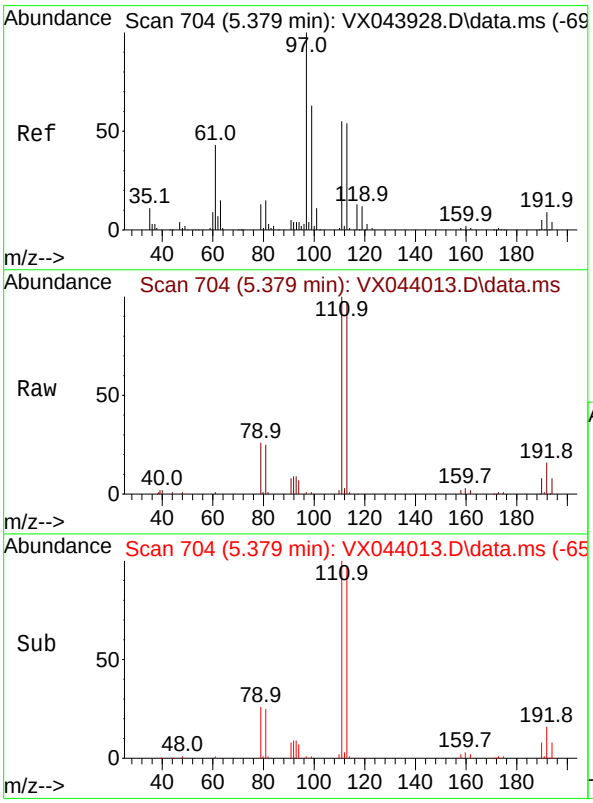
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Tgt Ion:114 Resp: 214625

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.9	0.0	32.4

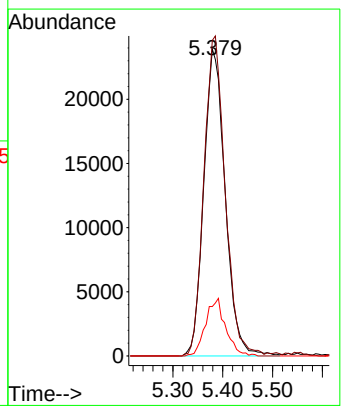


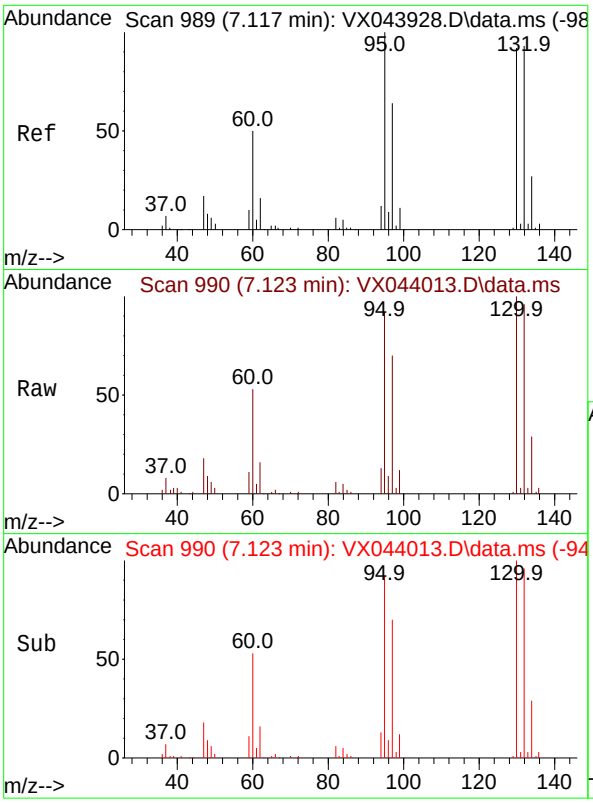


#35
Dibromofluoromethane
Concen: 46.501 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Tgt Ion:113 Resp: 71314

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	17.6	13.0	19.6



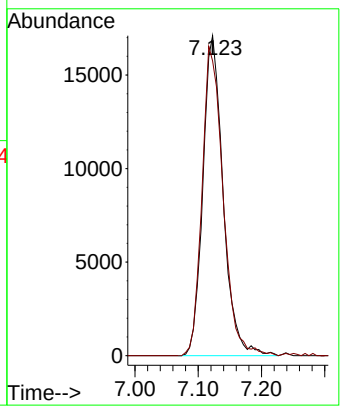


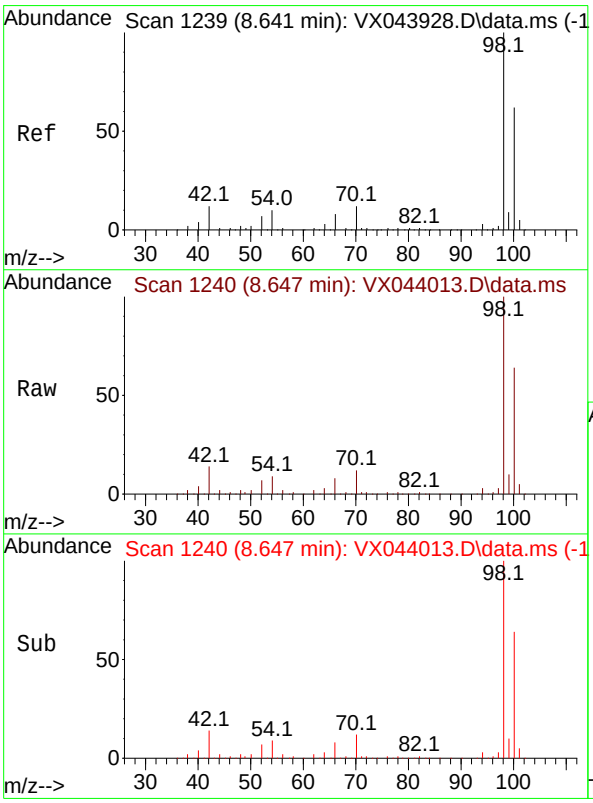
#44
Trichloroethene
Concen: 22.620 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Tgt Ion:130 Resp: 38119

Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	217.8

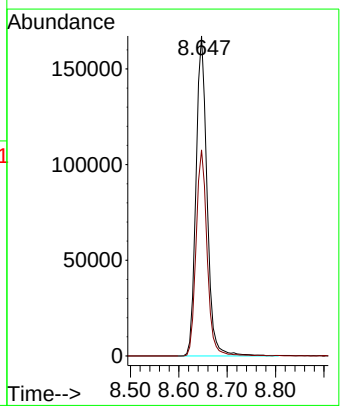


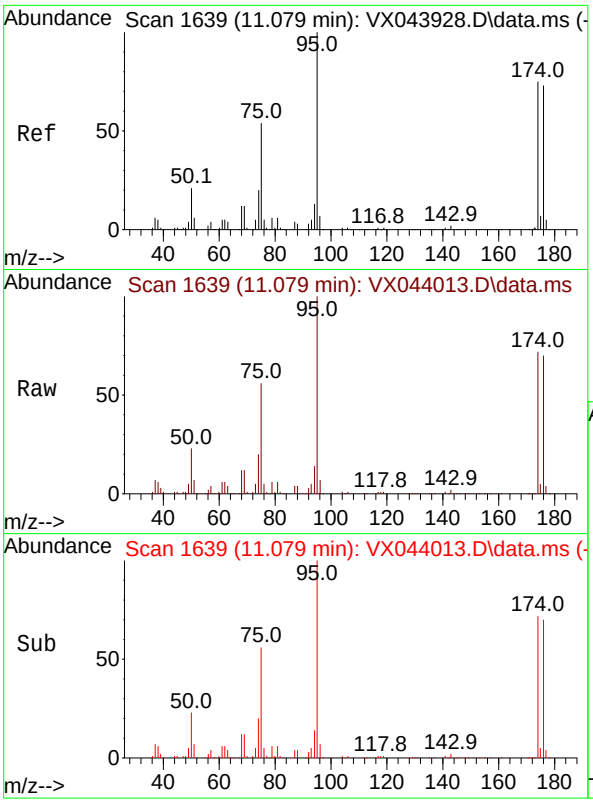


#50
Toluene-d8
Concen: 50.135 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Tgt Ion: 98 Resp: 265038

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.6	79.0



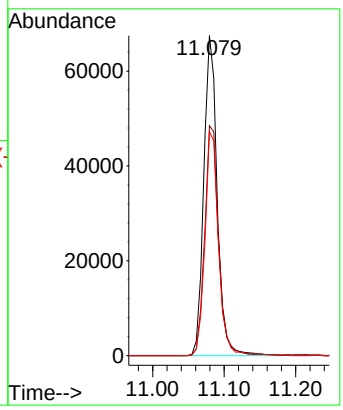


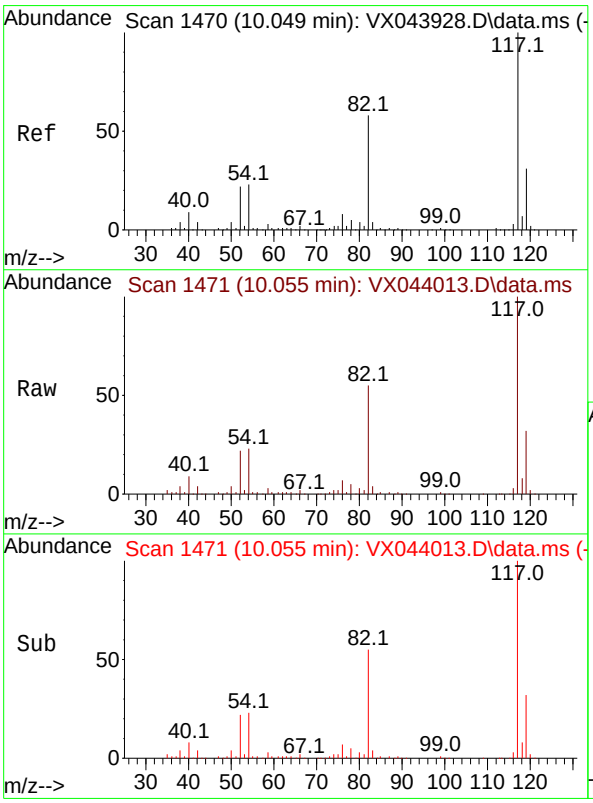
#62
4-Bromofluorobenzene
Concen: 49.089 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Tgt Ion: 95 Resp: 88318

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.4
176	71.0	0.0	146.0

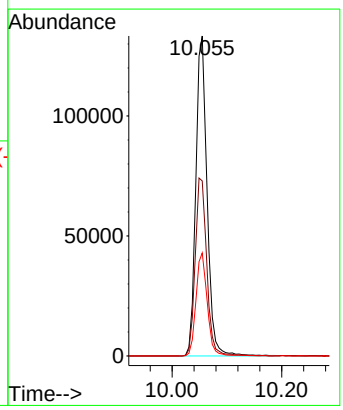


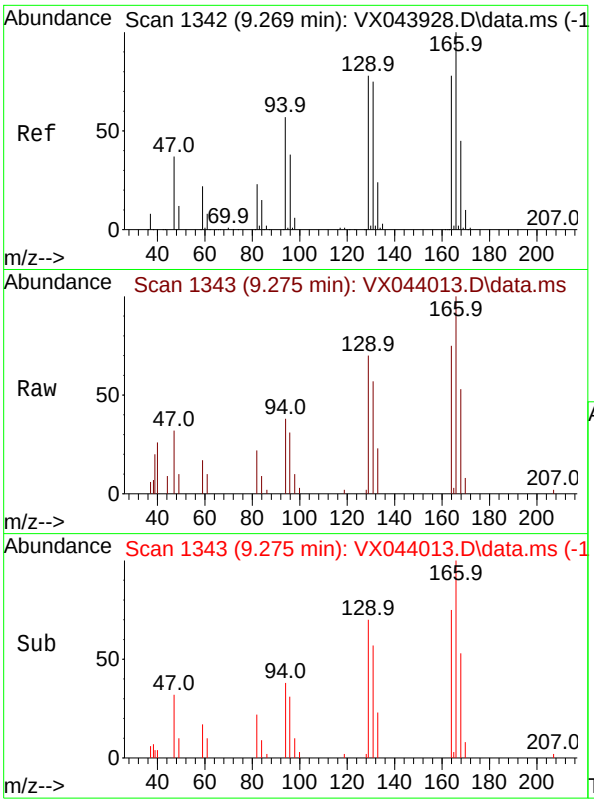


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Tgt Ion:117 Resp: 191208

Ion	Ratio	Lower	Upper
117	100		
82	54.7	46.4	69.6
119	32.2	24.6	37.0



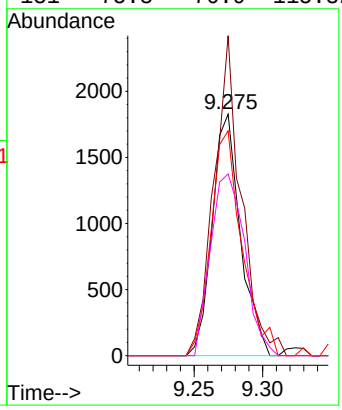


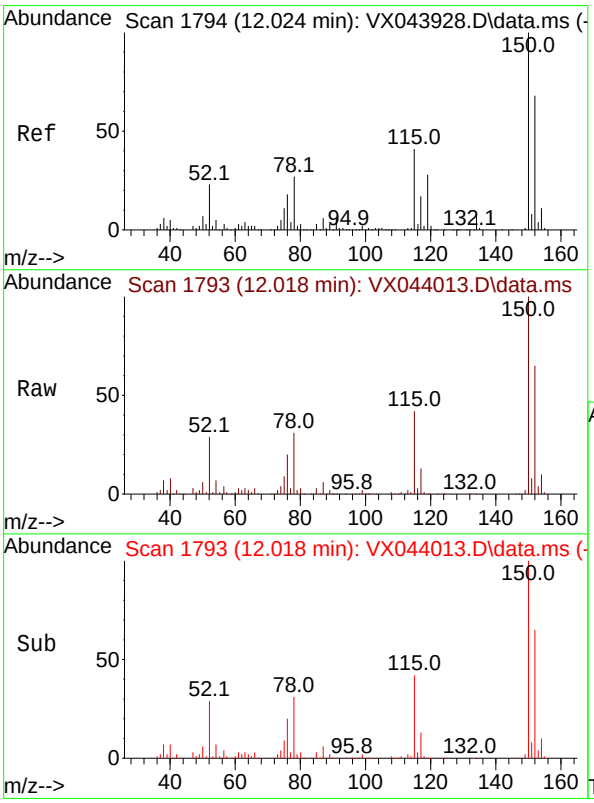
#64
Tetrachloroethene
Concen: 2.069 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20241114DL

Tgt Ion:164 Resp: 2608

Ion	Ratio	Lower	Upper
164	100		
166	132.5	102.1	153.1
129	93.1	79.6	119.4
131	75.3	76.9	115.3#

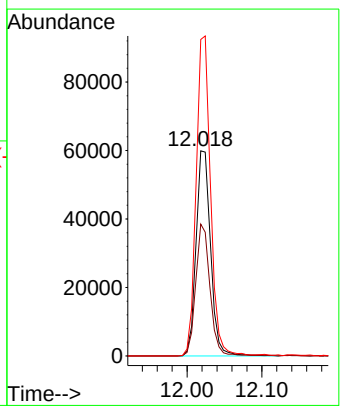




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044013.D
Acq: 26 Nov 2024 13:41

Tgt Ion:152 Resp: 81021

Ion	Ratio	Lower	Upper
152	100		
115	63.0	45.4	136.2
150	153.7	0.0	353.0



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-29-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043994.D	1		11/25/24 18:08	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	13.7		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.41	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.39	J	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.30		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.77	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	3.00		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	140		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.77	J	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-29-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043994.D	1		11/25/24 18:08	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.73	J	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	11.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.55				
540-36-3	1,4-Difluorobenzene	216000	6.757				
3114-55-4	Chlorobenzene-d5	189000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	83300	12.024				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/14/24
Project:	Scotia, NY - Annual Testing	Date Received:	11/15/24
Client Sample ID:	FSND-MW-29-20241114	SDG No.:	P4873
Lab Sample ID:	P4873-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043994.D	1		11/25/24 18:08	VX112524

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\VX112524\
Data File : VX043994.D
Acq On : 25 Nov 2024 18:08
Operator : JC/MD
Sample : P4873-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Quant Time: Nov 26 00:52:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

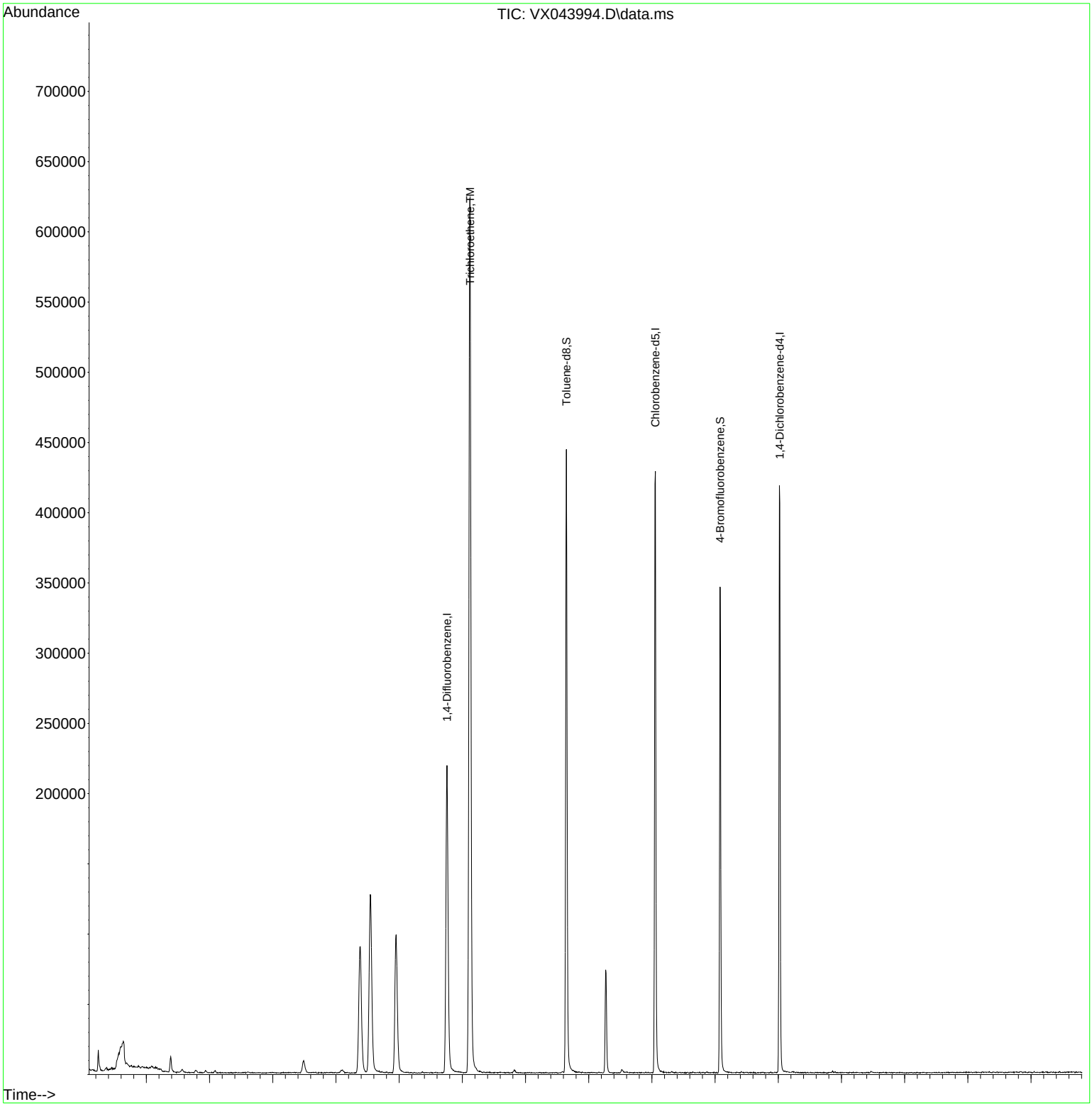
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112896	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	215968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97434	50.318	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.640%			
35) Dibromofluoromethane	5.385	113	73436	47.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.180%			
50) Toluene-d8	8.647	98	262792	49.401	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.800%			
62) 4-Bromofluorobenzene	11.079	95	88246	48.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.480%			
Target Compounds						Qvalue
16) Acetone	2.386	43	12205	13.723	ug/l	97
20) Methylene Chloride	2.782	84	624	0.413	ug/l #	80
21) trans-1,2-Dichloroethene	3.081	96	518	0.386	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	5547	3.341	ug/l	91
30) Chloroform	5.099	83	2172	0.770	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	7204	2.962	ug/l	99
44) Trichloroethene	7.123	130	233374	137.626	ug/l	92
47) Bromodichloromethane	7.824	83	1603	0.770	ug/l #	85
60) Dibromochloromethane	9.525	129	1084	0.730	ug/l	89
64) Tetrachloroethene	9.275	164	13688	10.956	ug/l	96

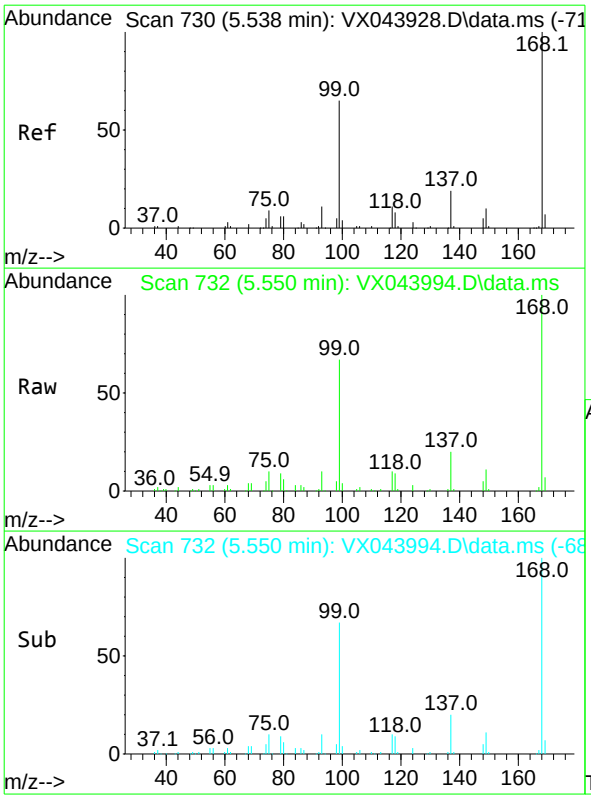
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043994.D
Acq On : 25 Nov 2024 18:08
Operator : JC/MD
Sample : P4873-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Quant Time: Nov 26 00:52:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



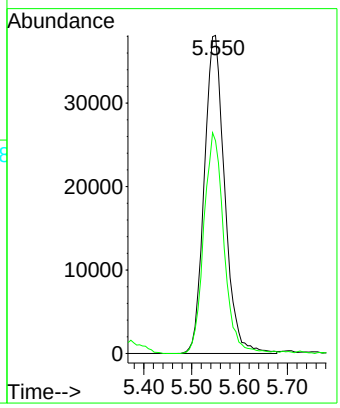


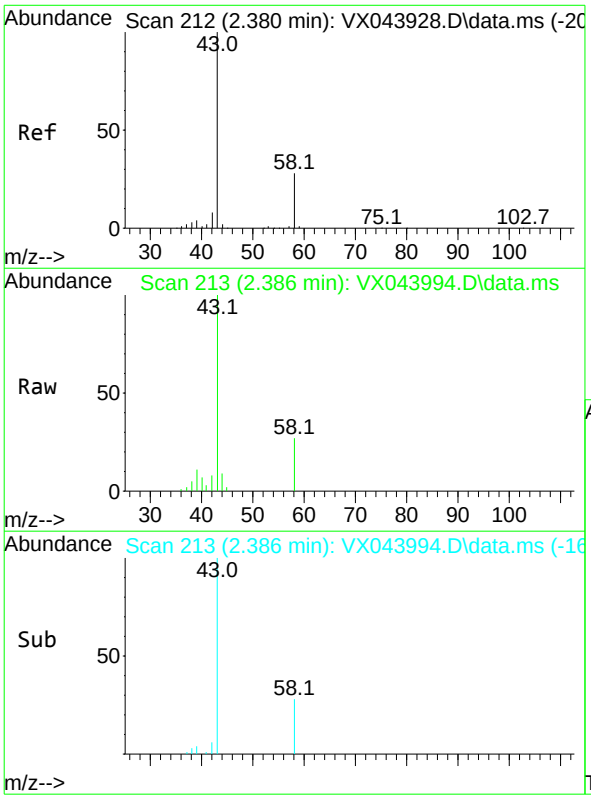
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion:168 Resp: 112896

Ion	Ratio	Lower	Upper
168	100		
99	66.9	51.8	77.8

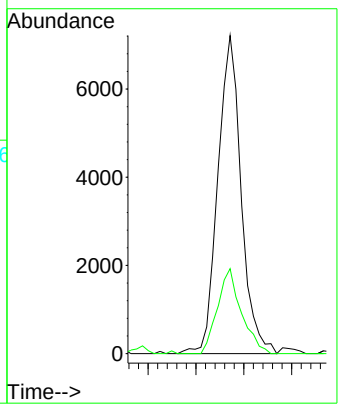


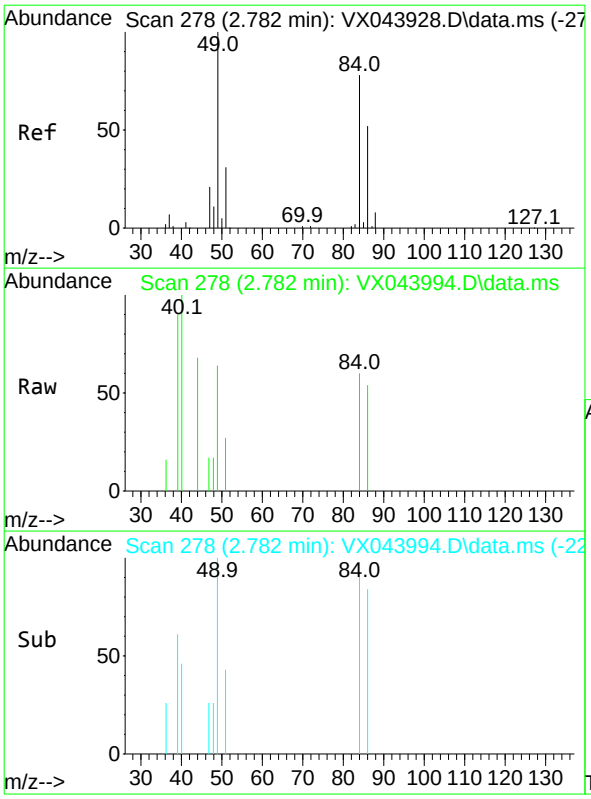


#16
Acetone
Concen: 13.723 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 43 Resp: 12205

Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.7	34.1



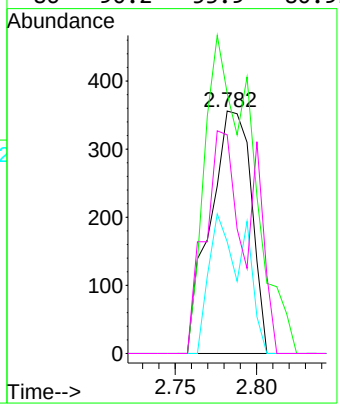


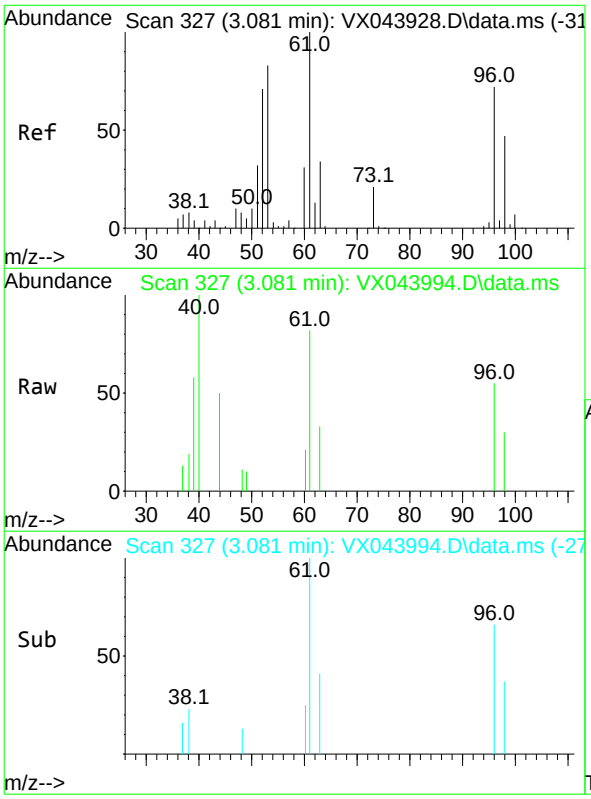
#20
Methylene Chloride
Concen: 0.413 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion: 84 Resp: 624

Ion	Ratio	Lower	Upper
84	100		
49	107.3	102.7	154.1
51	46.1	31.7	47.5
86	90.2	53.9	80.9#

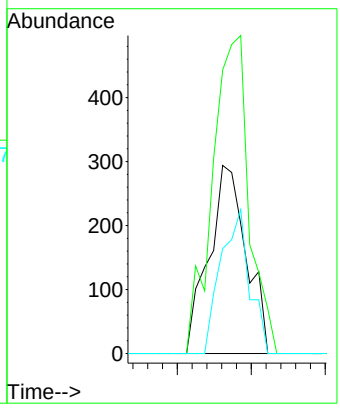


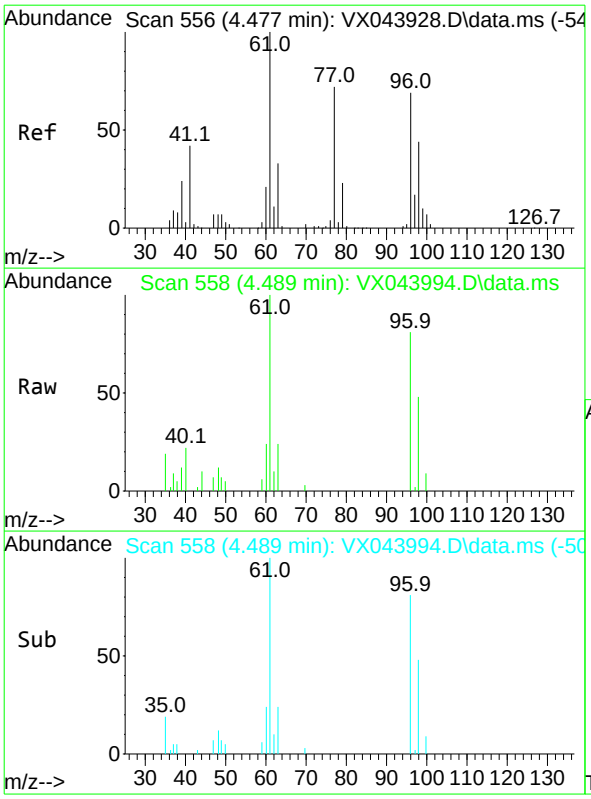


#21
trans-1,2-Dichloroethene
Concen: 0.386 ug/l
RT: 3.081 min Scan# 327
Delta R.T. -0.000 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 96 Resp: 518

Ion	Ratio	Lower	Upper
96	100		
61	150.7	111.8	167.6
98	55.8	52.7	79.1



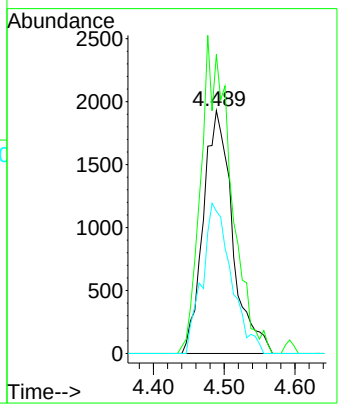


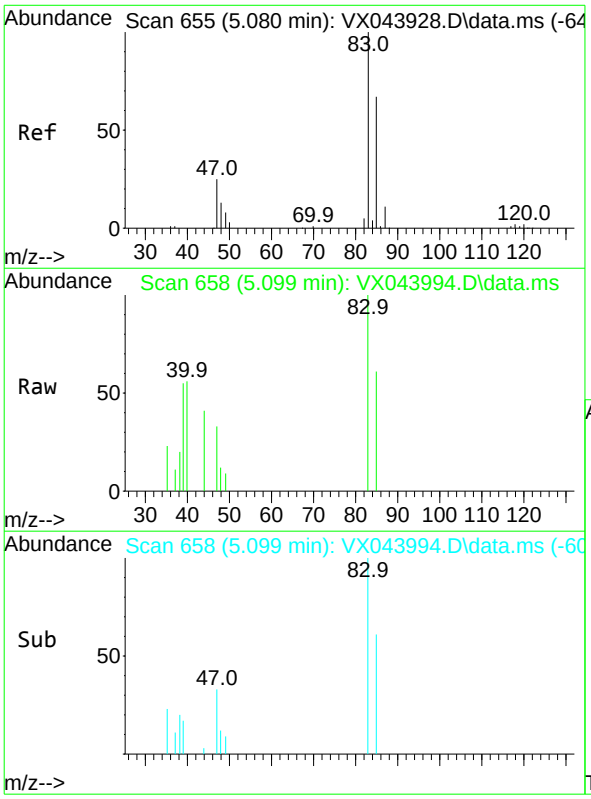
#27
cis-1,2-Dichloroethene
Concen: 3.341 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion: 96 Resp: 5547

Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	297.4
98	61.2	0.0	127.8

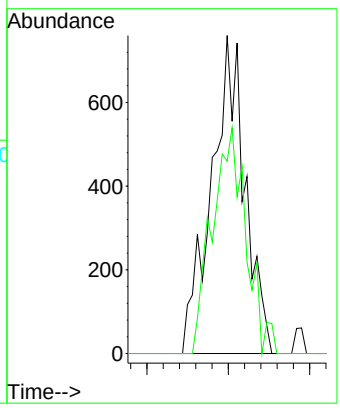


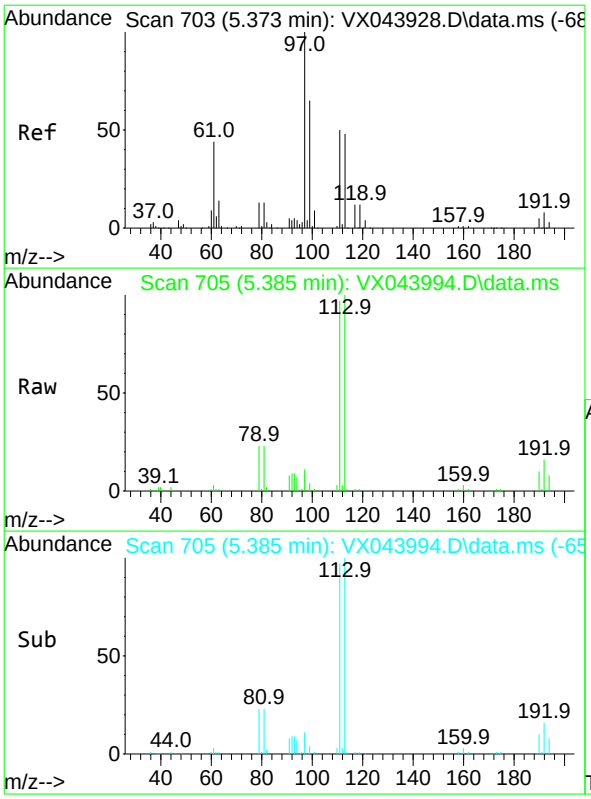


#30
Chloroform
Concen: 0.770 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.018 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 83 Resp: 2172

Ion	Ratio	Lower	Upper
83	100		
85	60.5	53.5	80.3



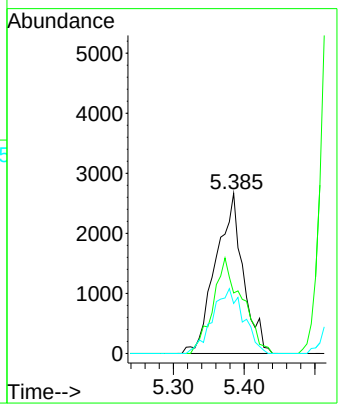


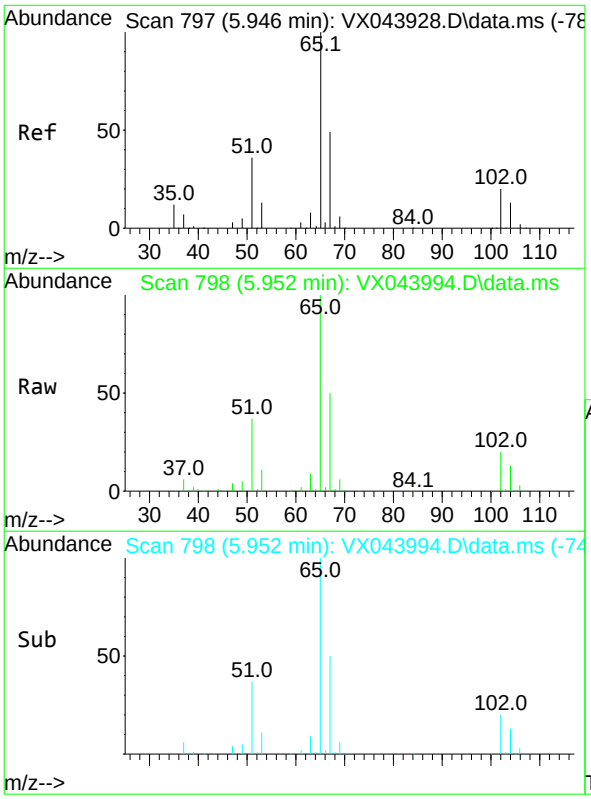
#32
1,1,1-Trichloroethane
Concen: 2.962 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.012 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion: 97 Resp: 7204

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.8	76.2
61	45.8	35.4	53.2

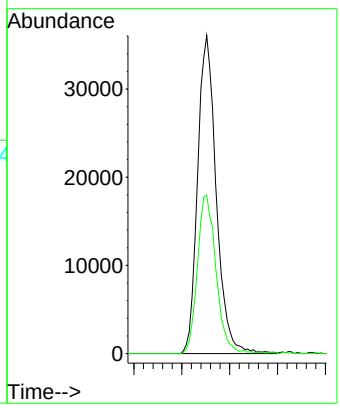


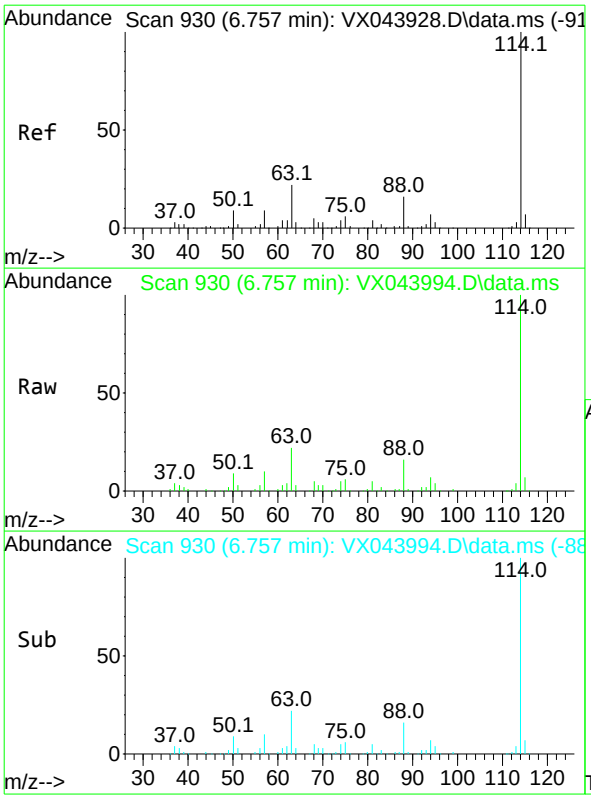


#33
1,2-Dichloroethane-d4
Concen: 50.318 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 65 Resp: 97434

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	100.8



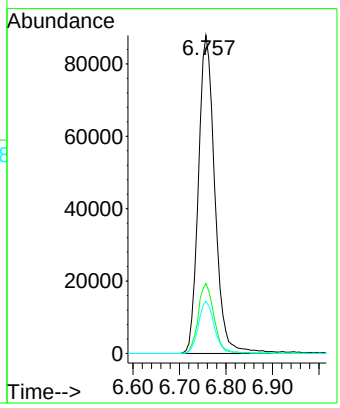


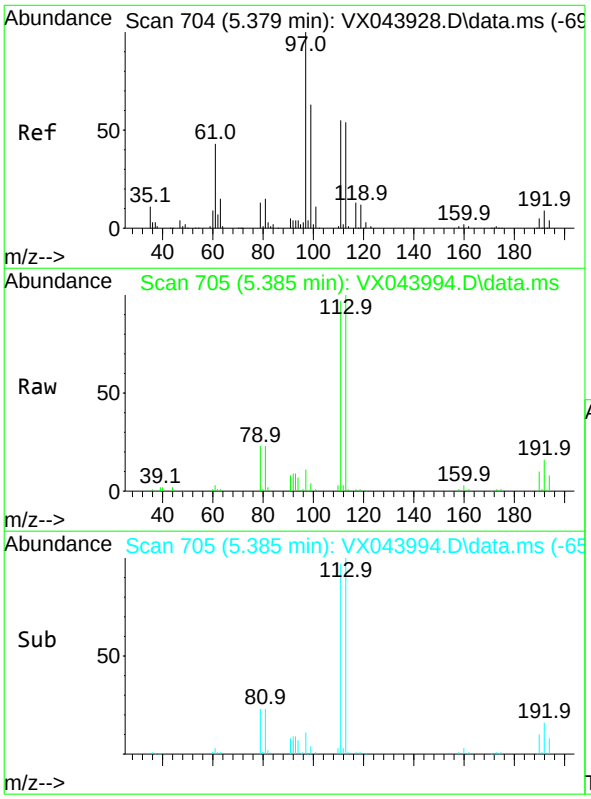
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion:114 Resp: 215968

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.4	0.0	32.4

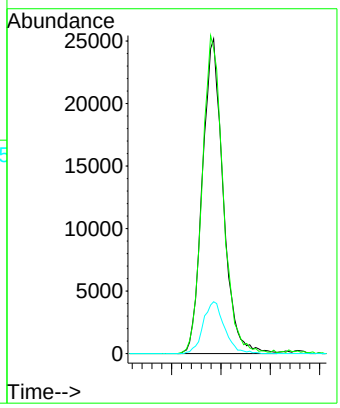


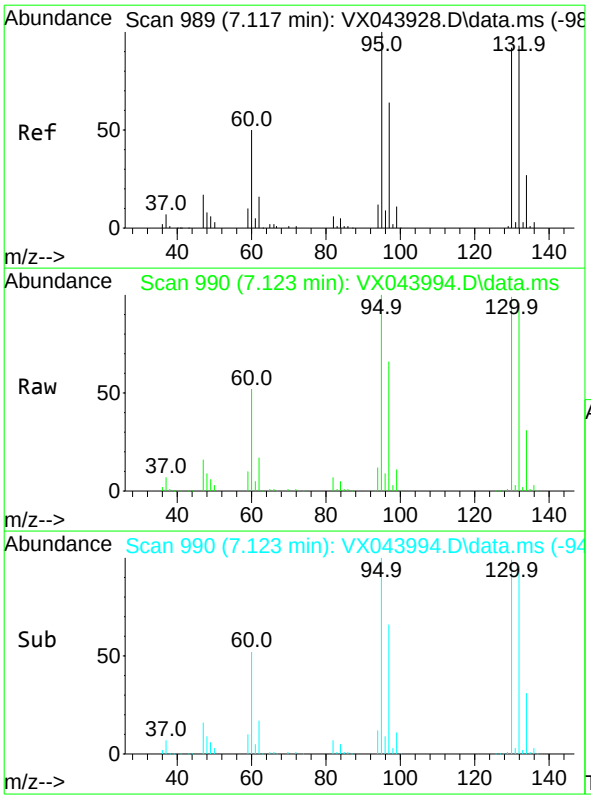


#35
Dibromofluoromethane
Concen: 47.587 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion:113 Resp: 73436

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	17.0	13.0	19.6



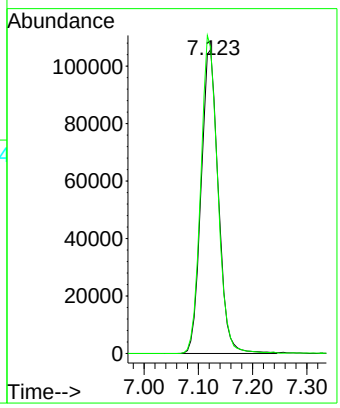


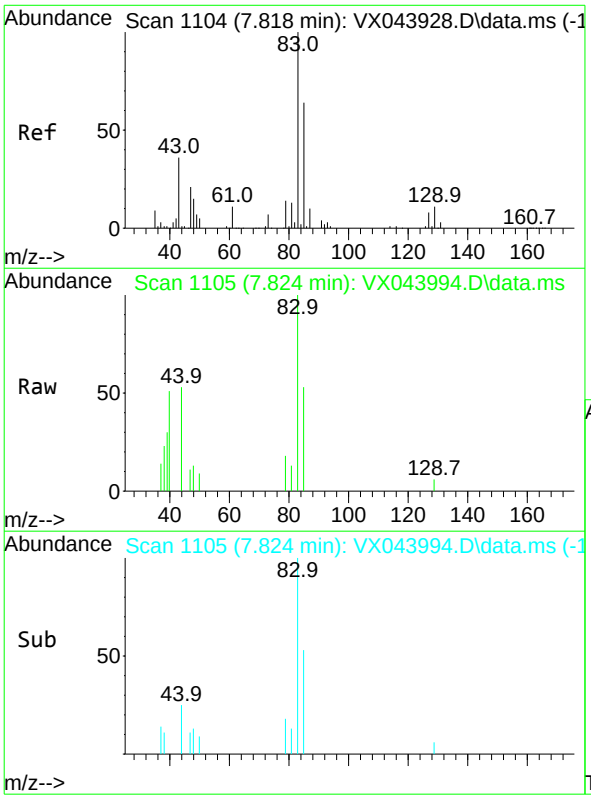
#44
Trichloroethene
Concen: 137.626 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion:130 Resp: 233374

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	217.8

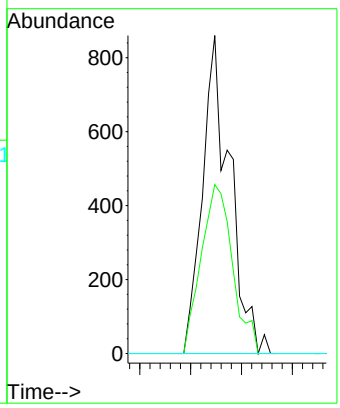


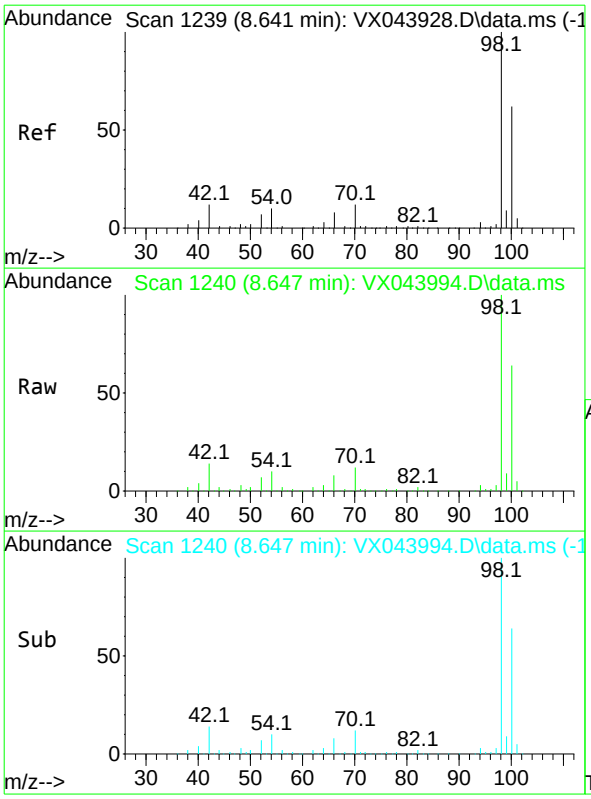


#47
Bromodichloromethane
Concen: 0.770 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 83 Resp: 1603

Ion	Ratio	Lower	Upper
83	100		
85	53.1	51.4	77.0
127	0.0	6.6	10.0#



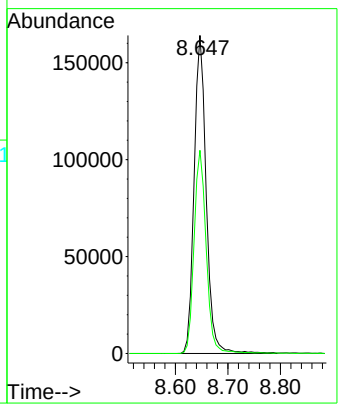


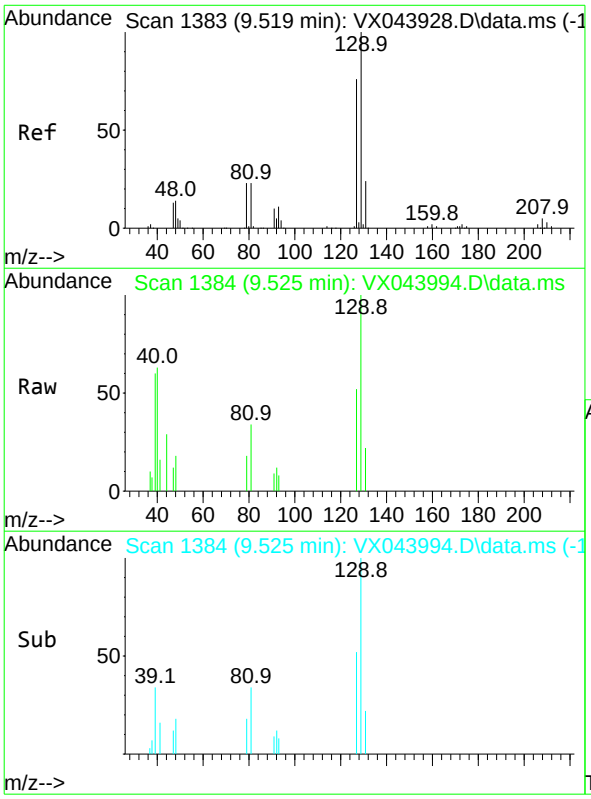
#50
Toluene-d8
Concen: 49.401 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion: 98 Resp: 262792

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.6	79.0

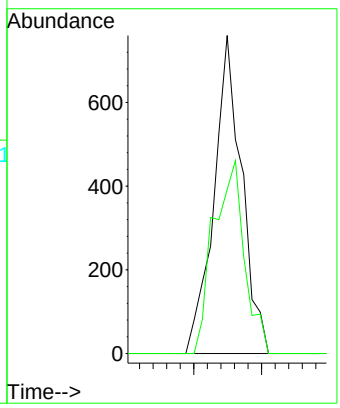


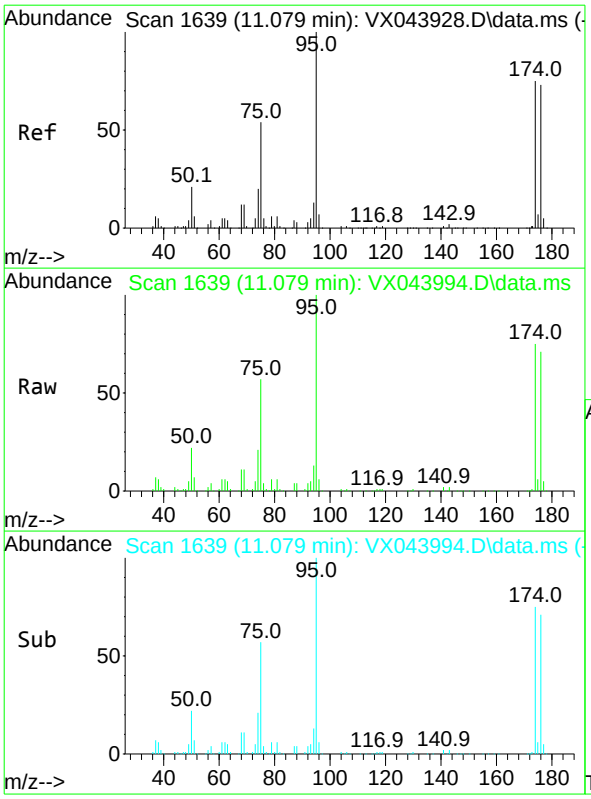


#60
Dibromochloromethane
Concen: 0.730 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion:129 Resp: 1084

Ion	Ratio	Lower	Upper
129	100		
127	67.3	38.2	114.6



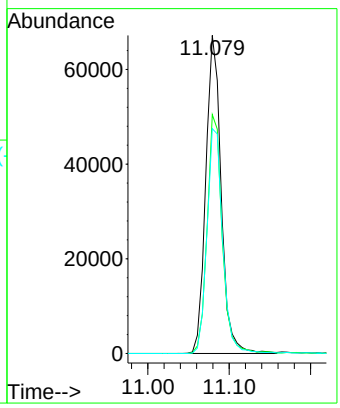


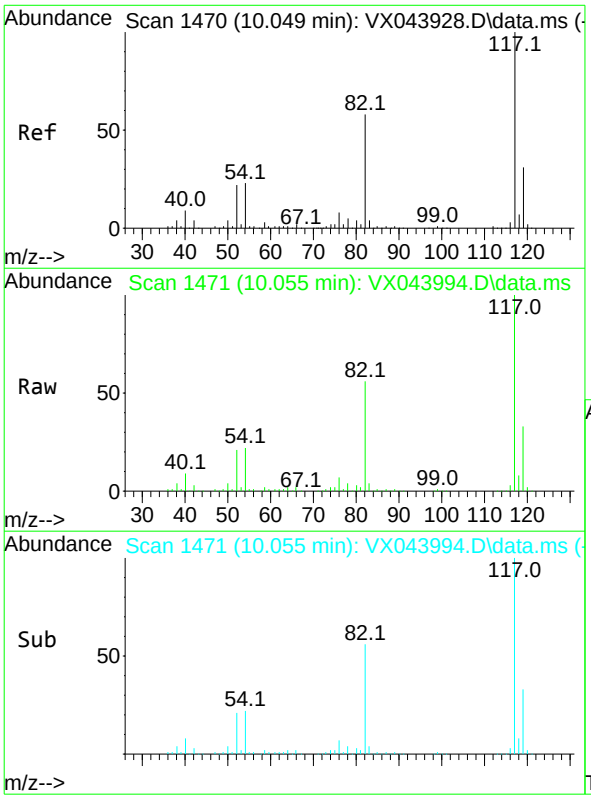
#62
4-Bromofluorobenzene
Concen: 48.744 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion: 95 Resp: 88246

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.4
176	72.1	0.0	146.0

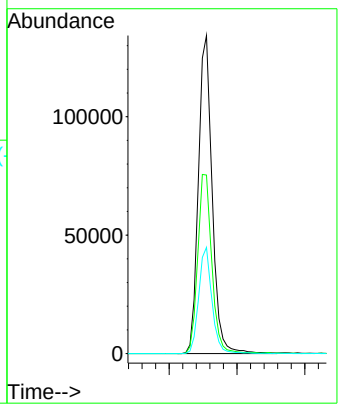


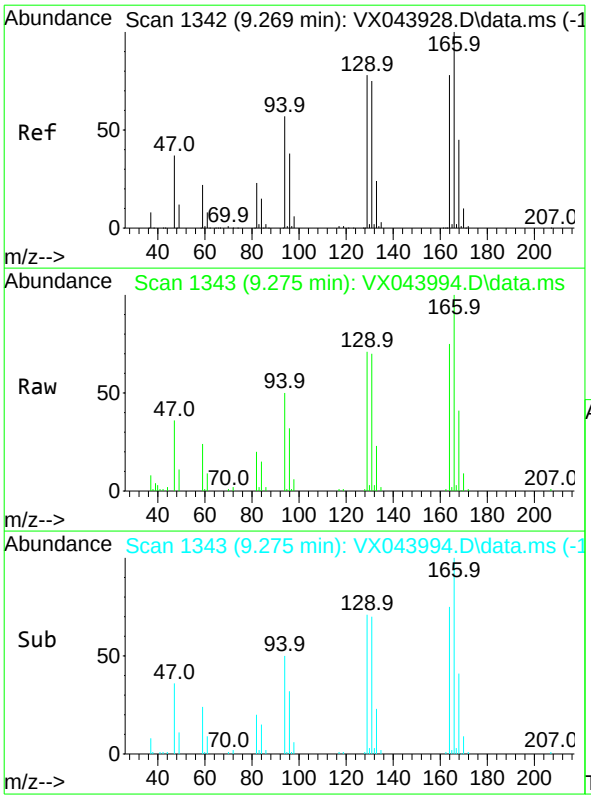


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion:117 Resp: 189479

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.4	69.6
119	33.4	24.6	37.0



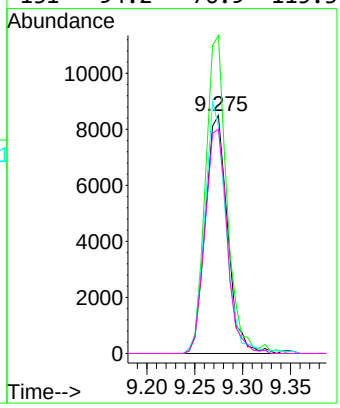


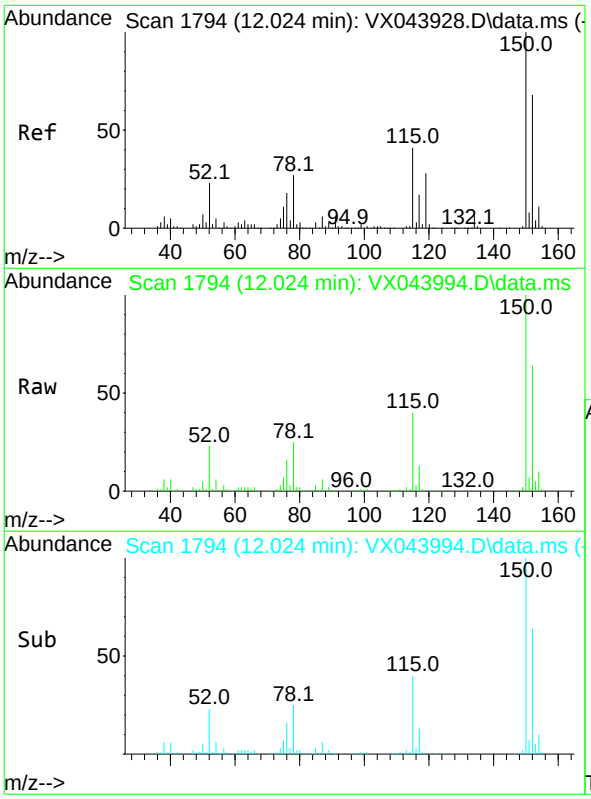
#64
Tetrachloroethene
Concen: 10.956 ug/l
RT: 9.275 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Tgt Ion:164 Resp: 13688

Ion	Ratio	Lower	Upper
164	100		
166	133.6	102.1	153.1
129	95.4	79.6	119.4
131	94.2	76.9	115.3

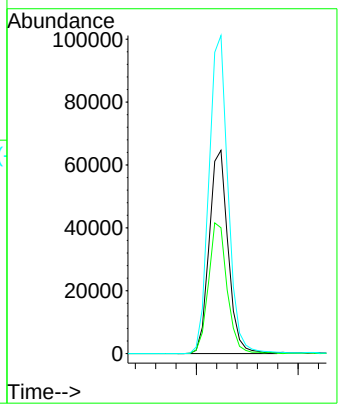




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043994.D
Acq: 25 Nov 2024 18:08

Tgt Ion:152 Resp: 83328

Ion	Ratio	Lower	Upper
152	100		
115	63.8	45.4	136.2
150	158.2	0.0	353.0



Sample Results: **VX043994.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043994.D
Acq On : 25 Nov 2024 18:08
Operator : JC/MD
Sample : P4873-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043994.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV	15044	18960	1.36%	0.353%
2	1.563	66	78	79	rBV5	11756	26801	1.92%	0.499%
3	2.386	208	213	220	rBV	10801	18400	1.32%	0.343%
4	4.489	550	558	567	rBV3	8794	24938	1.79%	0.464%
5	5.385	690	705	720	rBV3	90023	273084	19.61%	5.084%
6	5.544	720	731	748	rVV	126459	370398	26.60%	6.896%
7	5.952	789	798	818	rBV	98399	269888	19.38%	5.025%
8	6.757	918	930	943	rBV	219007	524469	37.67%	9.764%
9	7.123	980	990	1014	rBV	622835	1392434	100.00%	25.924%
10	8.647	1233	1240	1257	rBV	443739	716570	51.46%	13.341%
11	9.269	1335	1342	1352	rBV	73450	119455	8.58%	2.224%
12	10.055	1465	1471	1484	rBV	428133	619527	44.49%	11.534%
13	11.079	1634	1639	1649	rBV	345795	446646	32.08%	8.316%
14	12.018	1788	1793	1805	rBV	417493	549672	39.48%	10.234%

Sum of corrected areas: 5371242

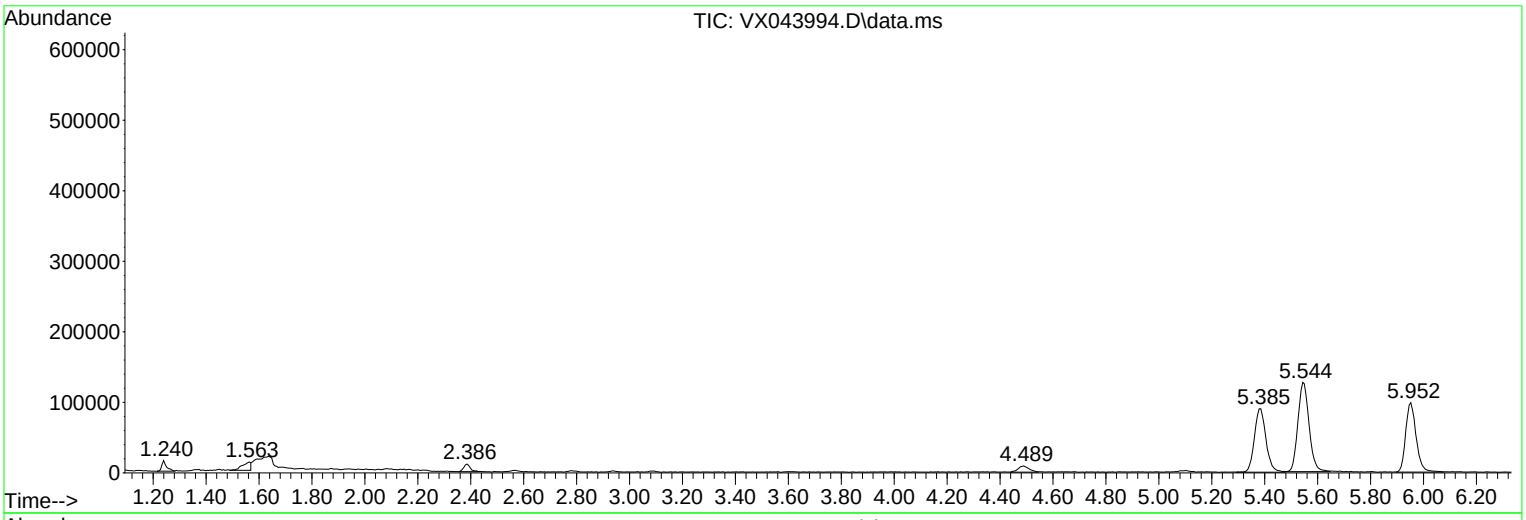
Sample Results: **VX043994.D**

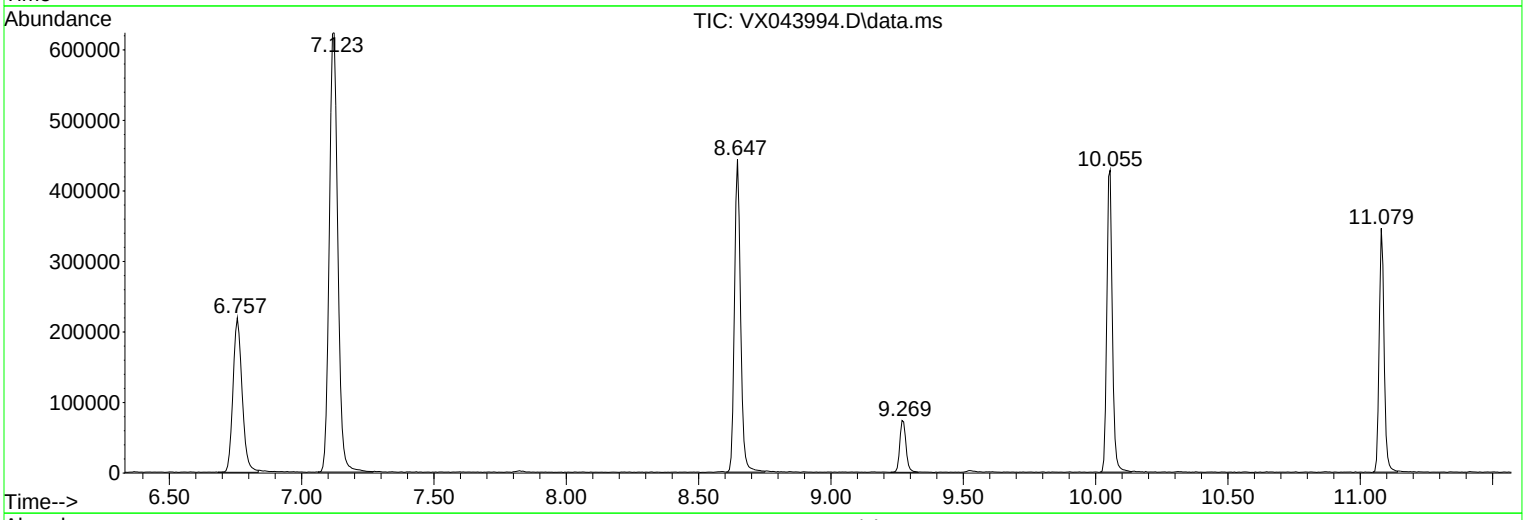
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043994.D
Acq On : 25 Nov 2024 18:08
Operator : JC/MD
Sample : P4873-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

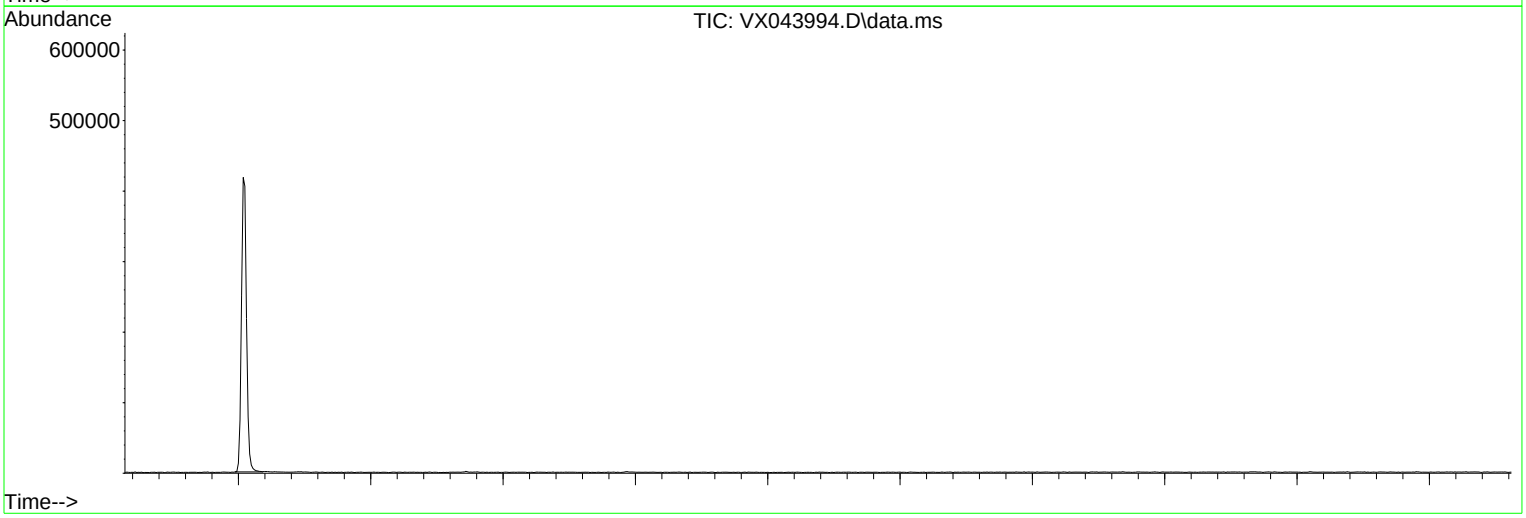
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043994.D
Acq On : 25 Nov 2024 18:08
Operator : JC/MD
Sample : P4873-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043994.D
Acq On : 25 Nov 2024 18:08
Operator : JC/MD
Sample : P4873-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20241114

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

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

LAB FILE ID: RRF001 = VX043925.D RRF005 = VX043926.D RRF020 = VX043927.D
RRF050 = VX043928.D RRF100 = VX043929.D RRF150 = VX043930.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.6
Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.3
Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.6
Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	2
Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.9
Trichlorofluoromethane	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.3
1,1,2-Trichlorotrifluoroethane	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.5
1,1-Dichloroethene	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.4
Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.4
Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.6
Methyl tert-butyl Ether	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.5
Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.3
Methylene Chloride	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.3
trans-1,2-Dichloroethene	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.7
1,1-Dichloroethane	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.6
Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.6
2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.1
Carbon Tetrachloride	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.7
cis-1,2-Dichloroethene	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.8
Bromochloromethane	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.7
Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.4
1,1,1-Trichloroethane	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.9
Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.9
Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7
1,2-Dichloroethane	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.4
Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.5
1,2-Dichloropropane	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.8
Bromodichloromethane	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.4
4-Methyl-2-Pentanone	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.4
Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

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

LAB FILE ID: RRF001 = VX043925.D RRF005 = VX043926.D RRF020 = VX043927.D
RRF050 = VX043928.D RRF100 = VX043929.D RRF150 = VX043930.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.2
cis-1,3-Dichloropropene	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.4
1,1,2-Trichloroethane	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.1
2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.5
Dibromochloromethane	0.249	0.292	0.344	0.396	0.380	0.401	0.344	18
1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.3
Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.1
Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.1
Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.2
m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.6
o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.7
Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.5
Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.9
Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.3
1,1,2,2-Tetrachloroethane	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.7
1,3-Dichlorobenzene	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.9
1,4-Dichlorobenzene	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.1
1,2-Dichlorobenzene	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.8
1,2-Dibromo-3-Chloropropane	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12
1,2,4-Trichlorobenzene	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.5
1,2,3-Trichlorobenzene	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.8
1,2-Dichloroethane-d4		0.926	0.876	0.751	0.855	0.880	0.858	7.6
Dibromofluoromethane		0.371	0.353	0.327	0.359	0.376	0.357	5.4
Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.6
4-Bromofluorobenzene		0.401	0.414	0.387	0.438	0.455	0.419	6.6

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

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024
Response Via : Initial Calibration

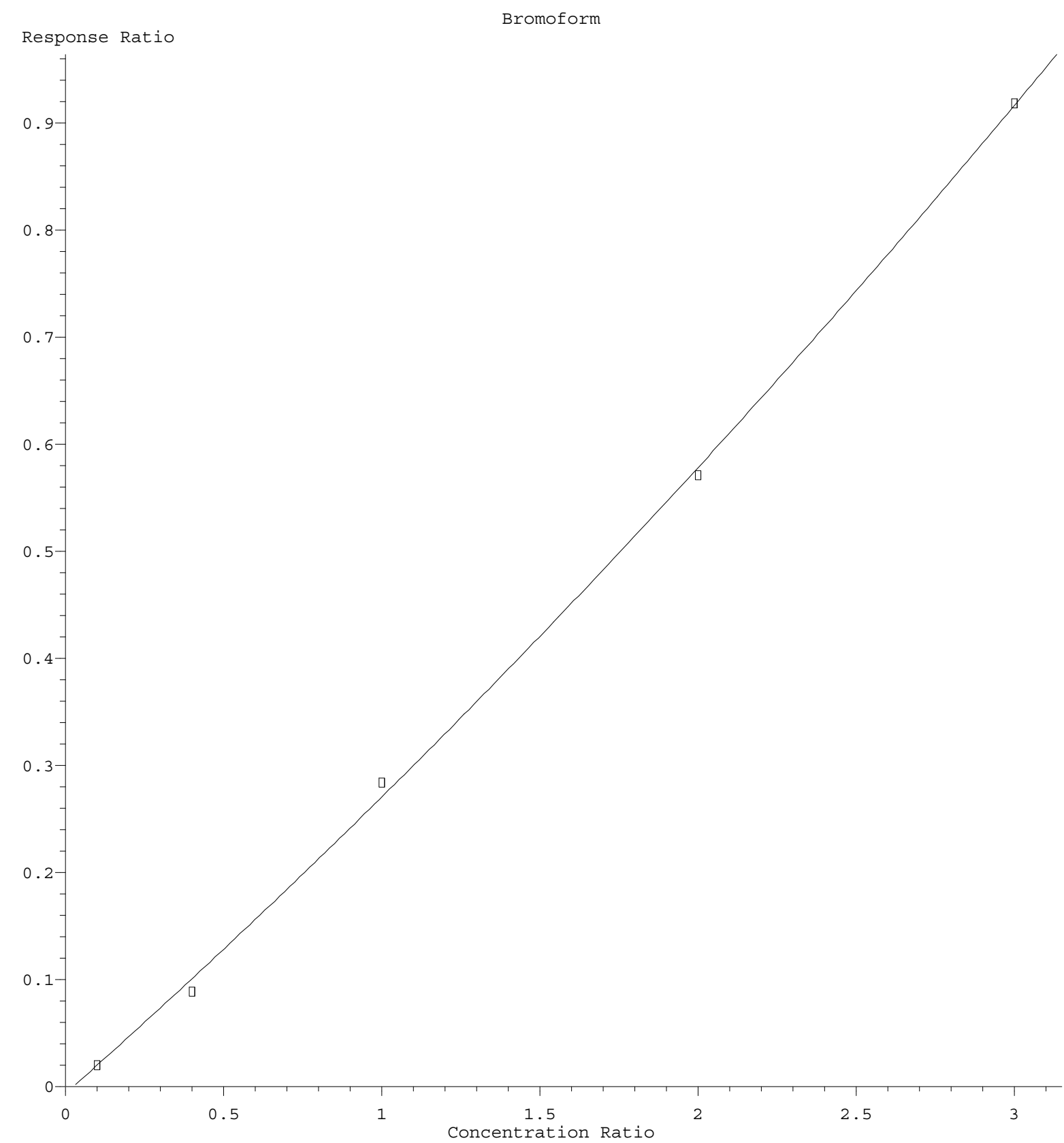
Calibration Files
1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.64
3)	P	Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.26
4)	C	Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.56#
5)	T	Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	1.95
6)	T	Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.87
7)	T	Trichlorofluor...	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.27
8)	T	Diethyl Ether	0.477	0.430	0.470	0.474	0.455	0.467	0.462	3.80
9)	T	1,1,2-Trichlor...	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.47
10)	T	Methyl Iodide		0.656	0.782	0.809	0.773	0.755	0.755	7.75
11)	T	Tert butyl alc...		0.123	0.133	0.145	0.134	0.154	0.138	8.73
12)	CM	1,1-Dichloroet...	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.38#
13)	T	Acrolein		0.158	0.128	0.145	0.145	0.148	0.145	7.53
14)	T	Allyl chloride	0.796	0.854	0.964	1.044	0.998	0.993	0.941	10.17
15)	T	Acrylonitrile	0.301	0.322	0.343	0.370	0.332	0.345	0.335	6.97
16)	T	Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.39
17)	T	Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.64
18)	T	Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.32
19)	T	Methyl tert-bu...	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.52
20)	T	Methylene Chlo...	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.33
21)	T	trans-1,2-Dich...	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.72
22)	T	Diisopropyl ether	1.638	1.930	2.170	2.162	2.071	2.106	2.013	10.09
23)	T	Vinyl Acetate	1.244	1.542	1.833	1.941	1.858	1.914	1.722	15.93
24)	P	1,1-Dichloroet...	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.63
25)	T	2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.10
26)	T	2,2-Dichloropr...	0.902	0.997	1.062	1.141	1.082	1.109	1.049	8.28
27)	T	cis-1,2-Dichlo...	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.83
28)	T	Bromochloromet...	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.68
29)	T	Tetrahydrofuran	0.286	0.312	0.319	0.338	0.303	0.311	0.312	5.49
30)	C	Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.41#
31)	T	Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.60
32)	T	1,1,1-Trichlor...	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.86
33)	S	1,2-Dichloroet...		0.926	0.876	0.751	0.855	0.880	0.858	7.57
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.371	0.353	0.327	0.359	0.376	0.357	5.43
36)	T	1,1-Dichloropr...	0.382	0.430	0.449	0.494	0.452	0.465	0.445	8.36
37)	T	Ethyl Acetate	0.517	0.549	0.549	0.610	0.539	0.552	0.553	5.61
38)	T	Carbon Tetrach...	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.69
39)	T	Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.91
40)	TM	Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7.04
41)	T	Methacrylonitrile	0.219	0.278	0.292	0.329	0.291	0.289	0.283	12.67
42)	TM	1,2-Dichloroet...	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.41
43)	T	Isopropyl Acetate	0.745	0.840	0.893	0.976	0.894	0.928	0.880	9.07
44)	TM	Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.47
45)	C	1,2-Dichloropr...	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.84#
46)	T	Dibromomethane	0.239	0.240	0.280	0.293	0.276	0.284	0.269	8.58
47)	T	Bromodichlorom...	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.40
48)	T	Methyl methacr...	0.387	0.385	0.423	0.467	0.427	0.443	0.422	7.57
49)	T	1,4-Dioxane	0.006	0.008	0.008	0.008	0.008	0.007	0.008	11.13
50)	S	Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.58
51)	T	4-Methyl-2-Pen...	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.41
52)	CM	Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12.02#
53)	T	t-1,3-Dichloro...	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.21
54)	T	cis-1,3-Dichlo...	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.38
55)	T	1,1,2-Trichlor...	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X112124W.M

56)	T	Ethyl methacry...	0.379	0.467	0.571	0.614	0.582	0.590	0.534	17.12
57)	T	1,3-Dichloropr...	0.480	0.574	0.620	0.625	0.579	0.585	0.577	9.04
58)	T	2-Chloroethyl ...	0.159	0.327	0.276	0.307	0.284	0.287	0.273	21.65
59)	T	2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.49
60)	T	Dibromochlorom...	0.249	0.292	0.344	0.396	0.380	0.401	0.344	17.98
61)	T	1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.33
62)	S	4-Bromofluorob...		0.401	0.414	0.387	0.438	0.455	0.419	6.61
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.14
65)	PM	Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.05
66)	T	1,1,1,2-Tetrac...	0.260	0.332	0.371	0.395	0.382	0.396	0.356	14.75
67)	C	Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.19#
68)	T	m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.57
69)	T	o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.75
70)	T	Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.47
71)	P	Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.88
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.32
74)	T	N-amyl acetate	1.249	1.648	1.867	1.996	1.895	2.029	1.780	16.45
75)	P	1,1,2,2-Tetrac...	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.70
76)	T	1,2,3-Trichlor...	0.863	1.246	1.153	1.181	1.053	1.084	1.096	12.17
77)	T	Bromobenzene	0.794	0.958	0.955	0.975	0.883	0.936	0.917	7.40
78)	T	n-propylbenzene	3.667	4.115	4.469	4.733	4.286	4.486	4.293	8.63
79)	T	2-Chlorotoluene	2.487	2.766	2.868	2.857	2.581	2.726	2.714	5.62
80)	T	1,3,5-Trimethy...	2.704	3.115	3.352	3.444	3.118	3.238	3.162	8.19
81)	T	trans-1,4-Dich...		0.298	0.374	0.443	0.423	0.471	0.402	16.90
82)	T	4-Chlorotoluene	2.660	3.005	3.187	3.329	3.025	3.180	3.064	7.54
83)	T	tert-Butylbenzene	2.581	3.097	3.266	3.440	3.152	3.269	3.134	9.42
84)	T	1,2,4-Trimethy...	2.557	3.173	3.366	3.440	3.124	3.228	3.148	9.95
85)	T	sec-Butylbenzene	3.116	3.921	3.968	4.249	3.812	3.974	3.840	9.97
86)	T	p-Isopropyltol...	2.255	3.043	3.316	3.521	3.219	3.362	3.119	14.50
87)	T	1,3-Dichlorobe...	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.88
88)	T	1,4-Dichlorobe...	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.10
89)	T	n-Butylbenzene	1.897	2.580	2.805	3.184	2.909	3.126	2.750	17.18
90)	T	Hexachloroethane	0.450	0.443	0.496	0.588	0.581	0.625	0.530	14.64
91)	T	1,2-Dichlorobe...	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.79
92)	T	1,2-Dibromo-3-...	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12.00
93)	T	1,2,4-Trichlor...	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.53
94)	T	Hexachlorobuta...	0.382	0.384	0.376	0.411	0.384	0.419	0.393	4.54
95)	T	Naphthalene	2.605	3.361	3.698	4.005	3.733	4.058	3.576	15.03
96)	T	1,2,3-Trichlor...	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.83

(#) = Out of Range



R = 1.533e-002 A*A + 2.616e-001 A - 6.311e-003
Coef of Det (r^2) = 0.999408 Curve Fit: Quadratic
Method: C:\Chemserv\HPCHEM1\MSVOA X\Method\82X112124W.M
Calibration Table Last Updated: Fri Nov 22 03:45:52 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	1889	1.001	ug/l		88
3) Chloromethane	1.295	50	1723	0.868	ug/l		90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l	#	81
6) Chloroethane	1.666	64	1724	1.339	ug/l	#	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l		92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l		75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l		94
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l	#	62
14) Allyl chloride	2.654	41	2371	0.845	ug/l		87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l		95
16) Acetone	2.386	43	5977	5.093	ug/l	#	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l		99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l		97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l		94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l	#	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l		97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l	#	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l		98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l	#	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l		92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l		86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l		89
28) Bromochloromethane	4.904	49	1494m	0.981	ug/l		
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l		95
30) Chloroform	5.093	83	3187	0.856	ug/l	#	76
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l	#	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l	#	80
37) Ethyl Acetate	4.733	43	2692m	0.935	ug/l		
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l	#	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l		90
40) Benzene	6.032	78	6312	0.873	ug/l	#	84
41) Methacrylonitrile	4.934	41	1141m	0.774	ug/l		
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l		84
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l	#	90
44) Trichloroethene	7.123	130	2850	1.393	ug/l		82
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.580	93	1246	0.890	ug/l		94
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l	#	93
48) Methyl methacrylate	7.702	41	2017m	0.917	ug/l		
49) 1,4-Dioxane	7.671	88	613	16.166	ug/l	#	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l		96
52) Toluene	8.714	92	3313	0.766	ug/l		82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l	#	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l	#	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l	#	85
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l	#	82
57) 1,3-Dichloropropane	9.305	76	2502	0.832	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662	ug/l		93
59) 2-Hexanone	9.439	43	7726	3.675	ug/l		99
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l	#	80
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l		88
65) Chlorobenzene	10.073	112	4585	0.957	ug/l	#	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l	#	66
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l	#	86
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l		95
69) o-Xylene	10.640	106	2370	0.801	ug/l		95
70) Styrene	10.665	104	3751	0.767	ug/l		97
71) Bromoform	10.799	173	632	1.756	ug/l	#	87
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l		94
74) N-amyl acetate	10.848	43	2319	0.701	ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l		83
76) 1,2,3-Trichloropropane	11.244	75	1603m	0.801	ug/l		
77) Bromobenzene	11.201	156	1475	0.866	ug/l		94
78) n-propylbenzene	11.305	91	6810	0.854	ug/l		95
79) 2-Chlorotoluene	11.366	91	4618	0.916	ug/l		92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855	ug/l		96
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l		94
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812	ug/l		99
85) sec-Butylbenzene	11.890	105	5787	0.812	ug/l		94
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l		87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l		93
88) 1,4-Dichlorobenzene	12.043	146	3212m	1.020	ug/l		
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l		93
90) Hexachloroethane	12.536	117	835	0.848	ug/l		86
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807	ug/l		65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l		78
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l		89
95) Naphthalene	13.780	128	4837	0.728	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l		81

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

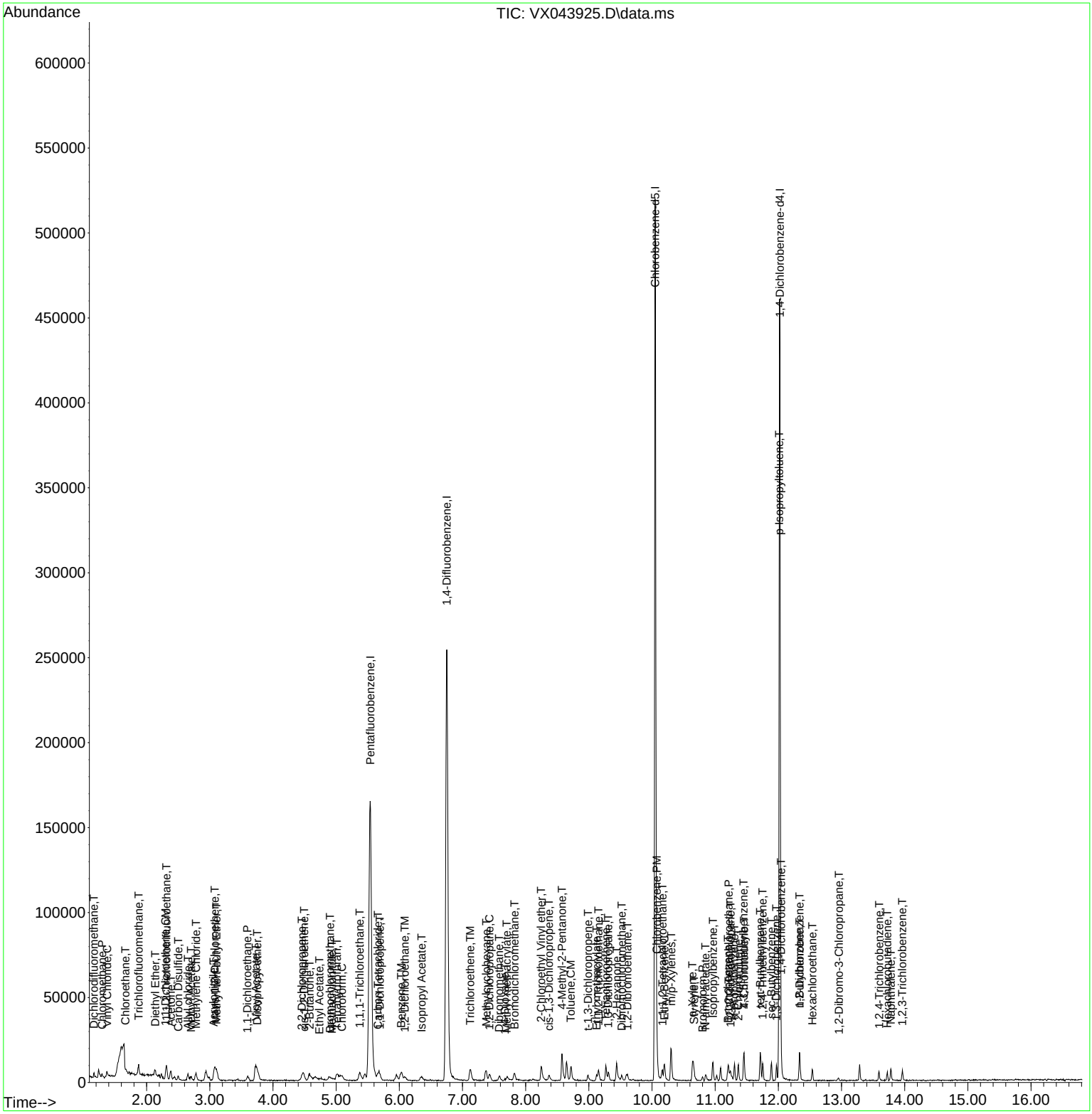
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

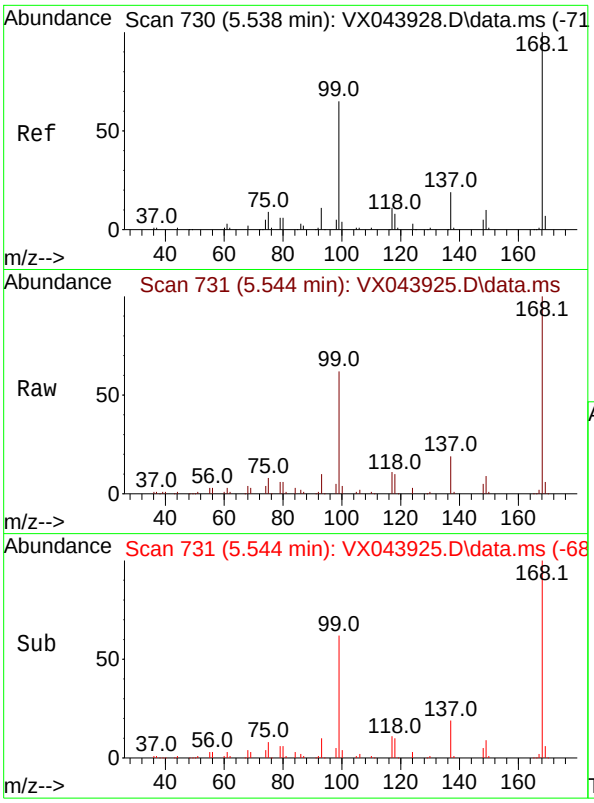
Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

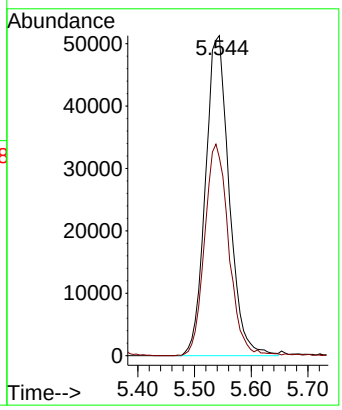




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:168 Resp: 14898

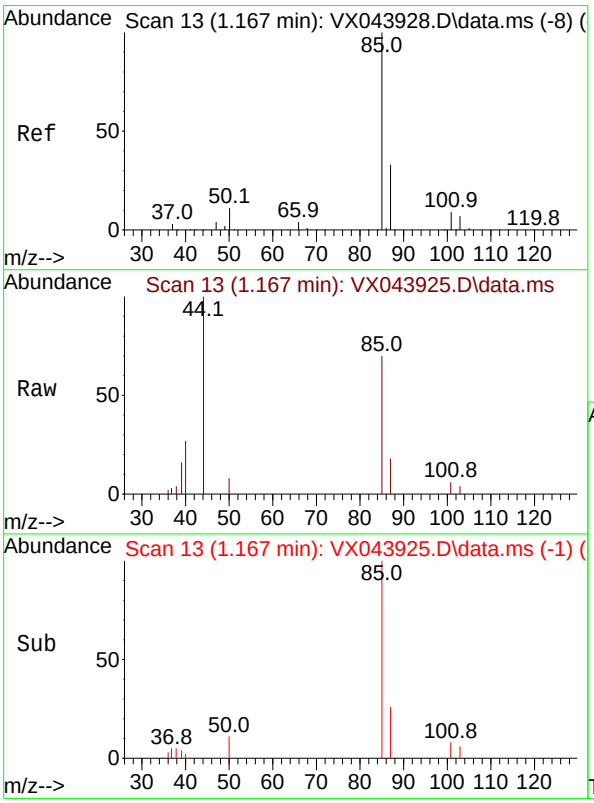
Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

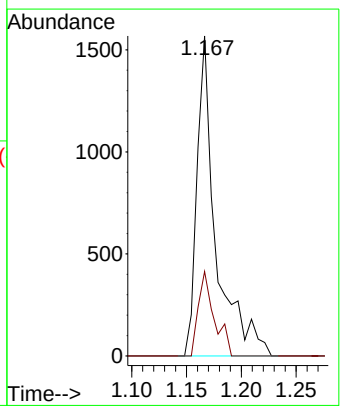
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

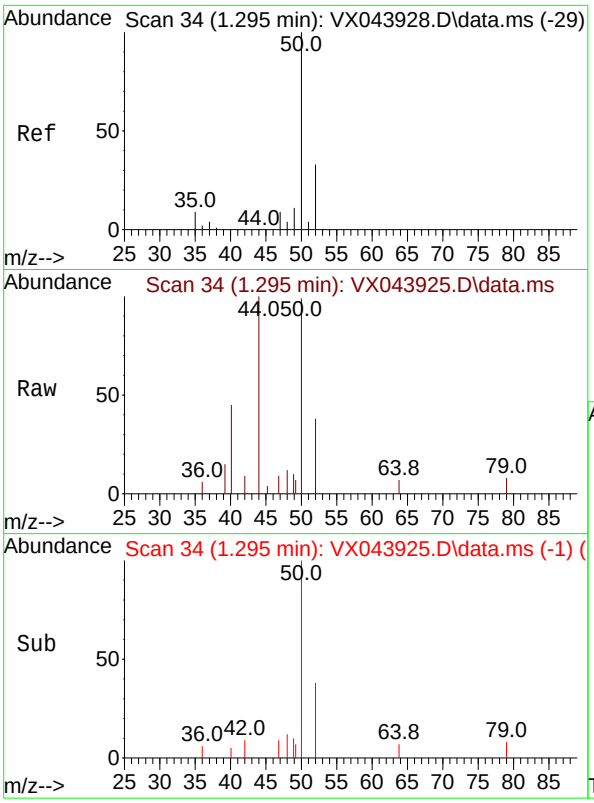


#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

Ion	Ratio	Lower	Upper
85	100		
87	26.4	16.6	49.8

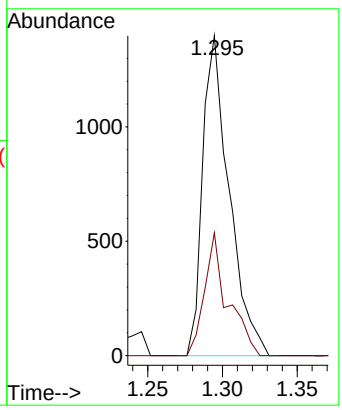




#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 50 Resp: 172

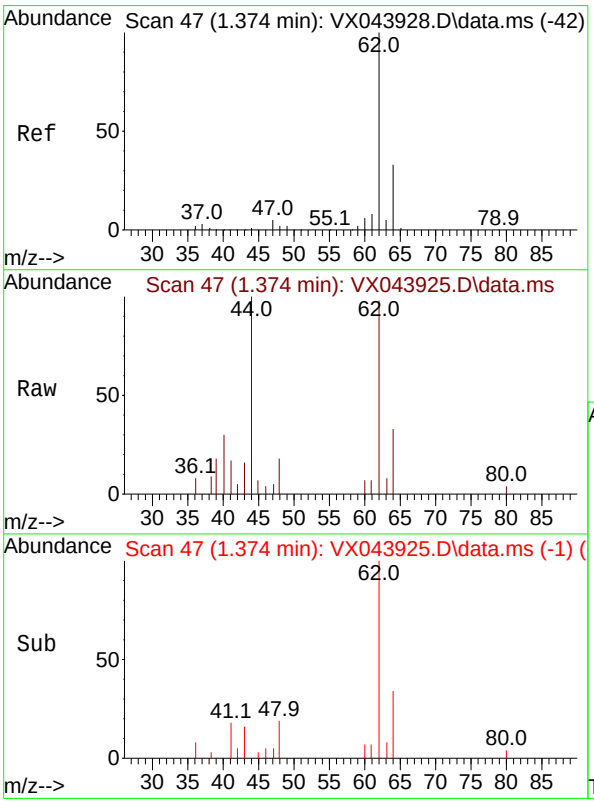
Ion	Ratio	Lower	Upper
50	100		
52	38.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

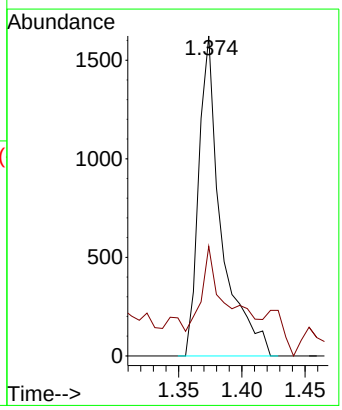
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

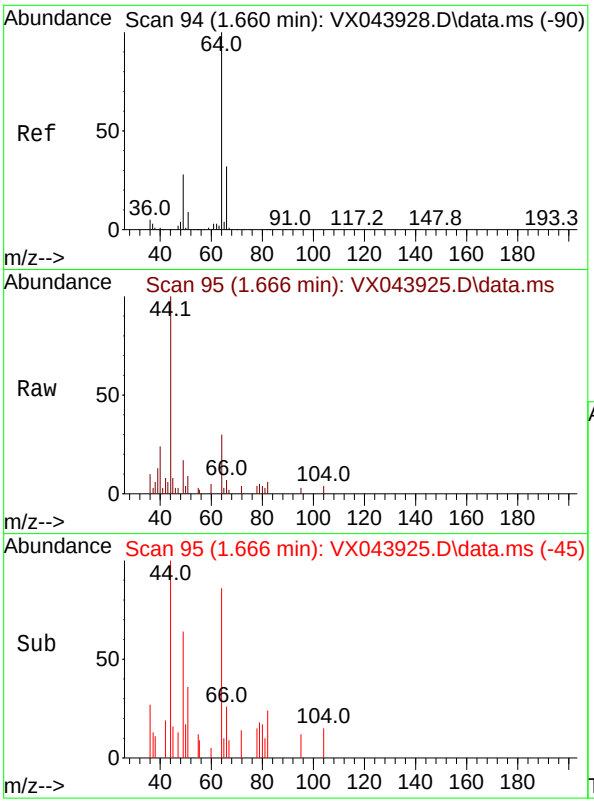


#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

Ion	Ratio	Lower	Upper
62	100		
64	22.4	26.2	39.4#

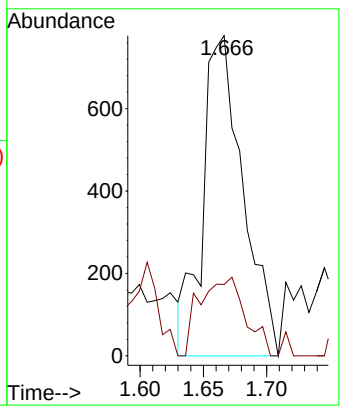




#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 64 Resp: 172

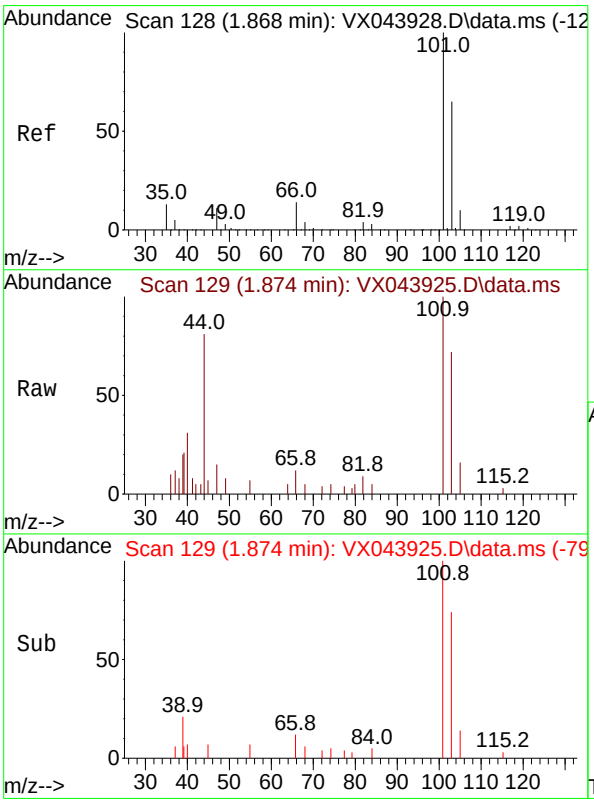
Ion	Ratio	Lower	Upper
64	100		
66	22.3	25.9	38.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

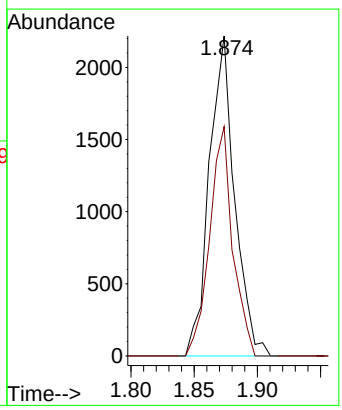
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

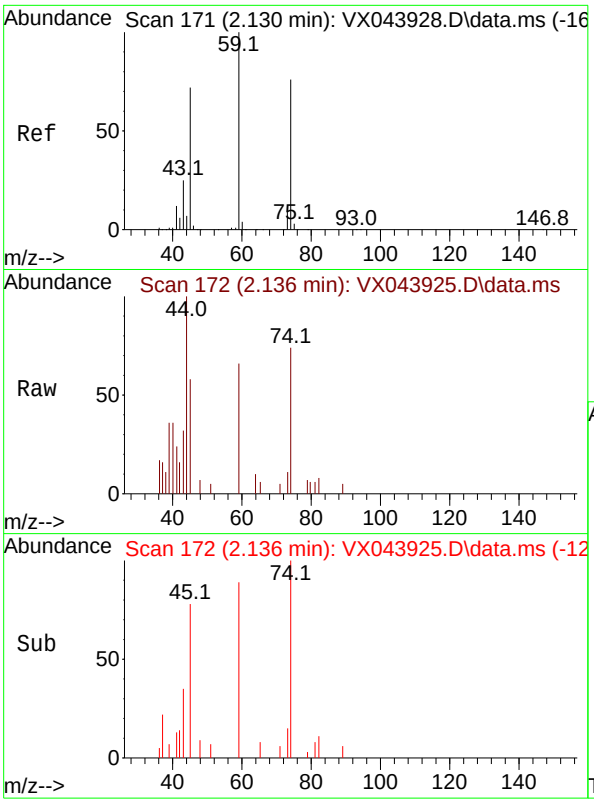


#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 3093

Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.2	78.2





#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

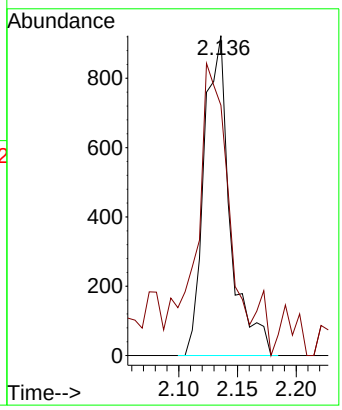
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

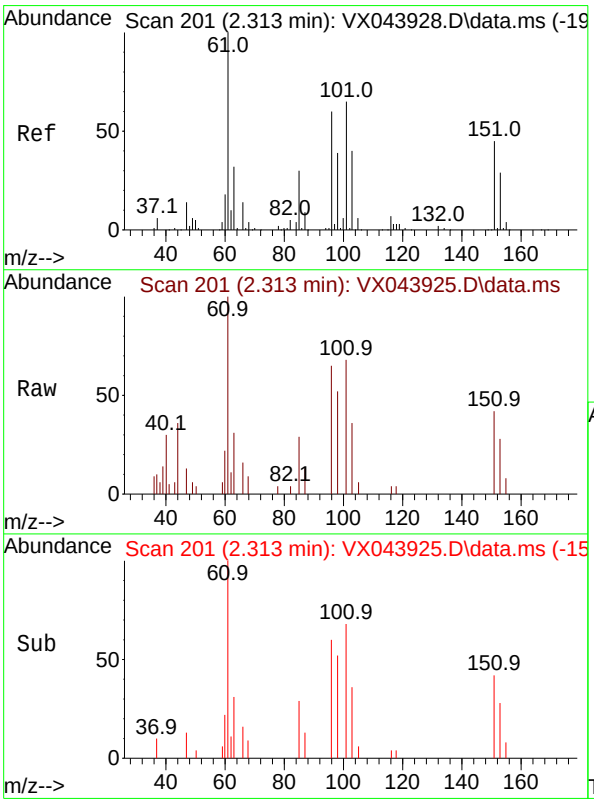
Tgt Ion: 74 Resp: 142

Ion	Ratio	Lower	Upper
74	100		
45	120.1	47.9	143.6

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

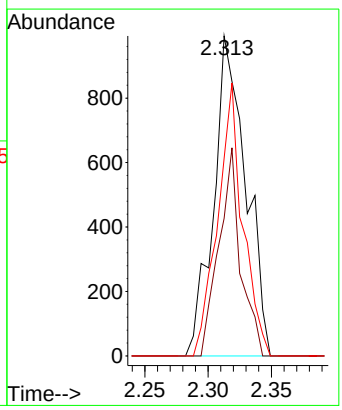


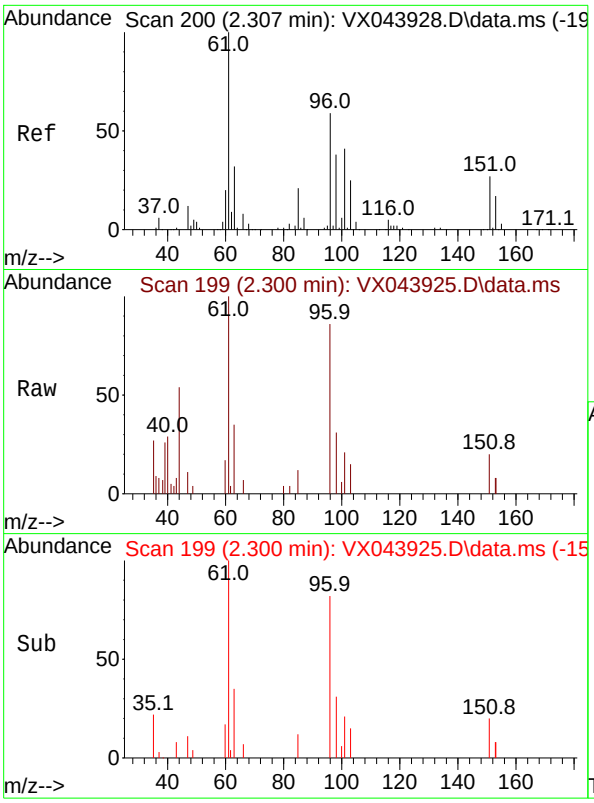


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 1764

Ion	Ratio	Lower	Upper
101	100		
85	43.5	37.9	56.9
151	66.1	57.5	86.3

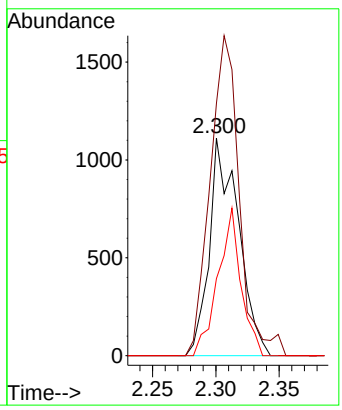




#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 177

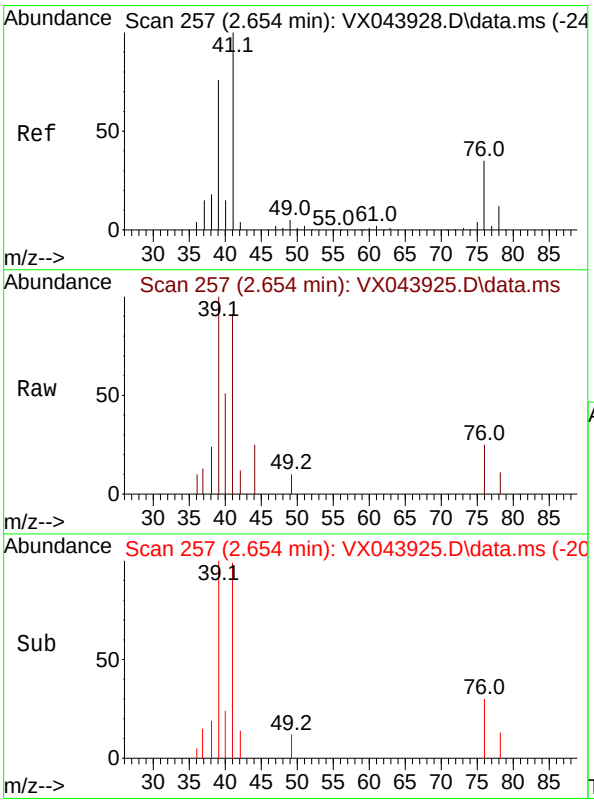
Ion	Ratio	Lower	Upper
96	100		
61	115.9	135.5	203.3#
98	35.4	50.8	76.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

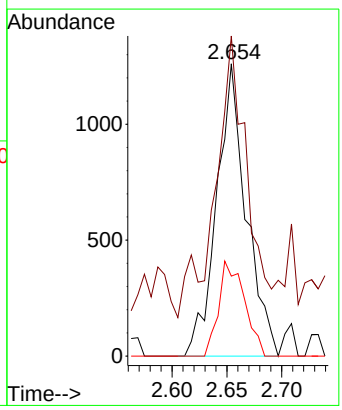
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

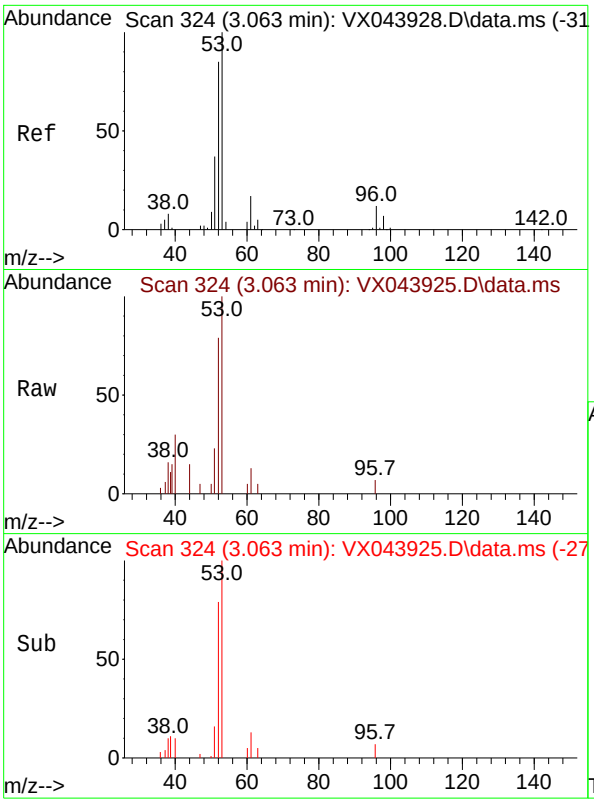


#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

Ion	Ratio	Lower	Upper
41	100		
39	85.9	59.5	89.3
76	28.3	27.4	41.2

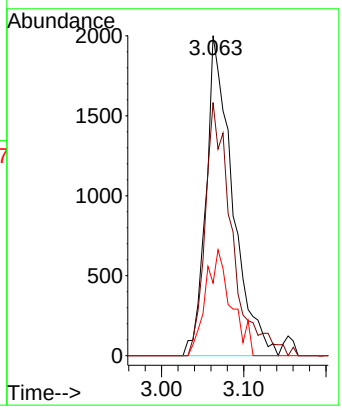




#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 53 Resp: 448

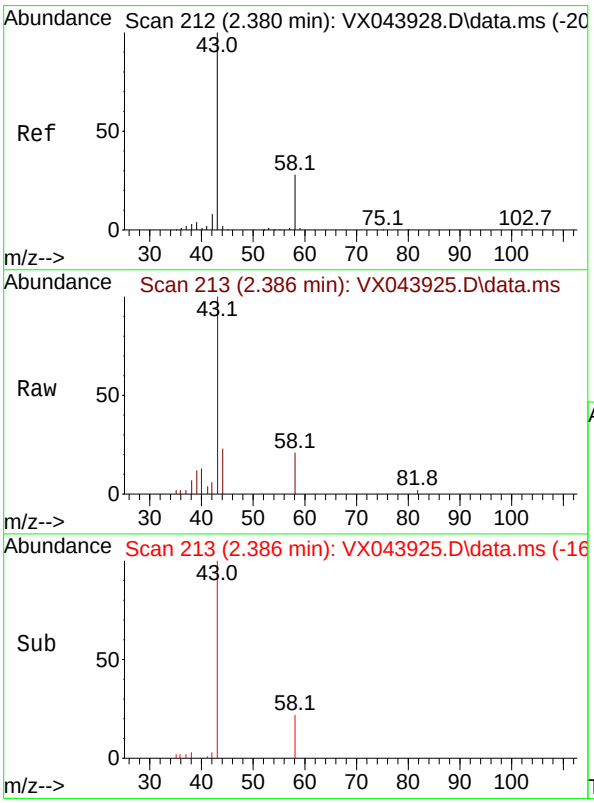
Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.5	99.7
51	31.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

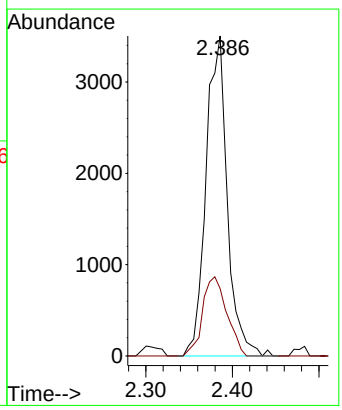
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

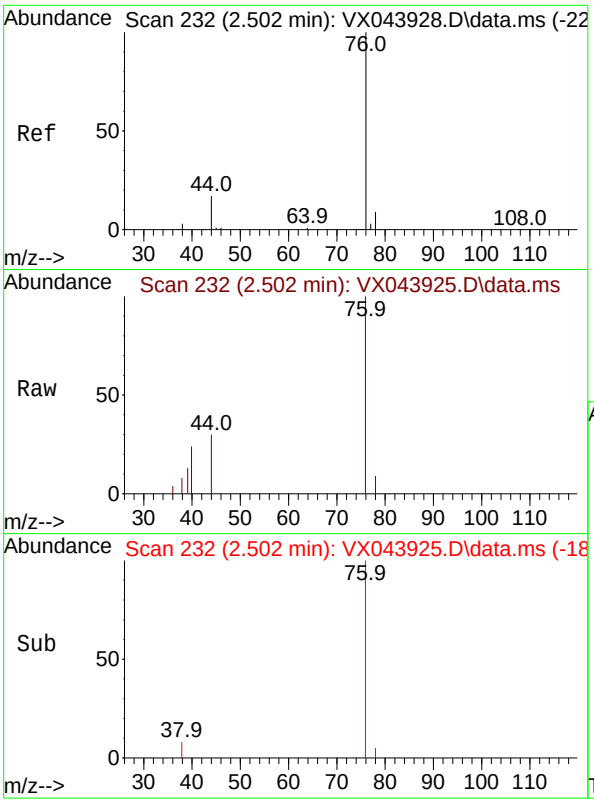


#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

Ion	Ratio	Lower	Upper
43	100		
58	21.1	22.7	34.1#

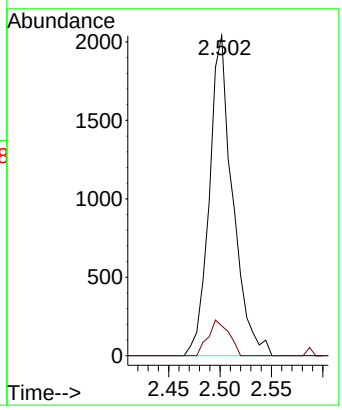




#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 322

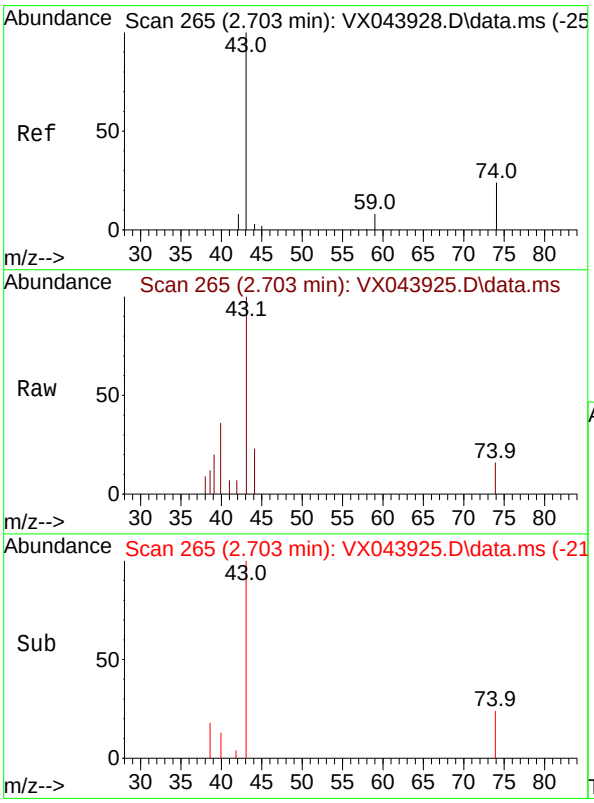
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

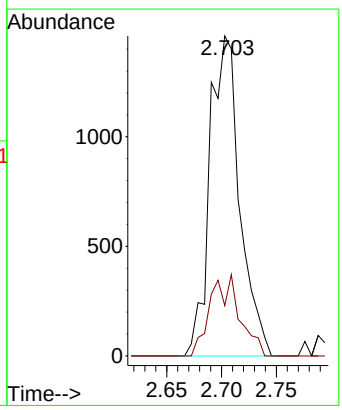
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

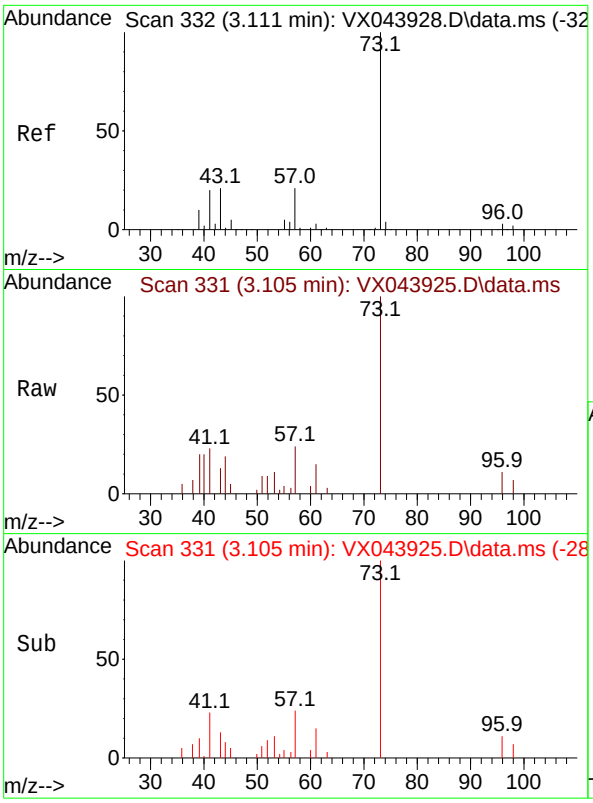


#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3

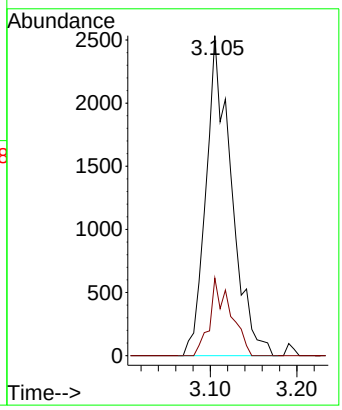




#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 73 Resp: 516

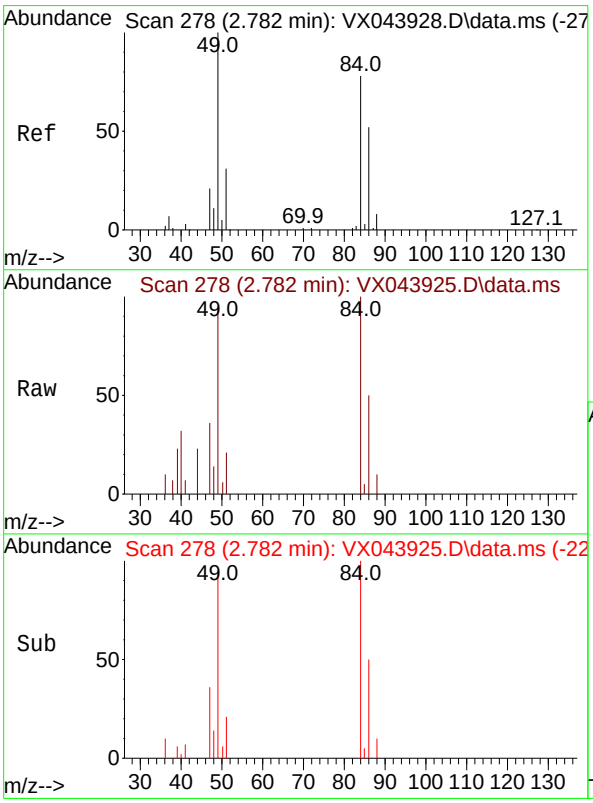
Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

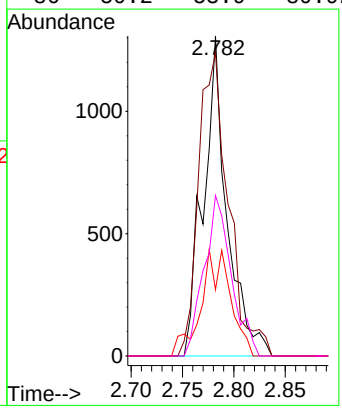
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

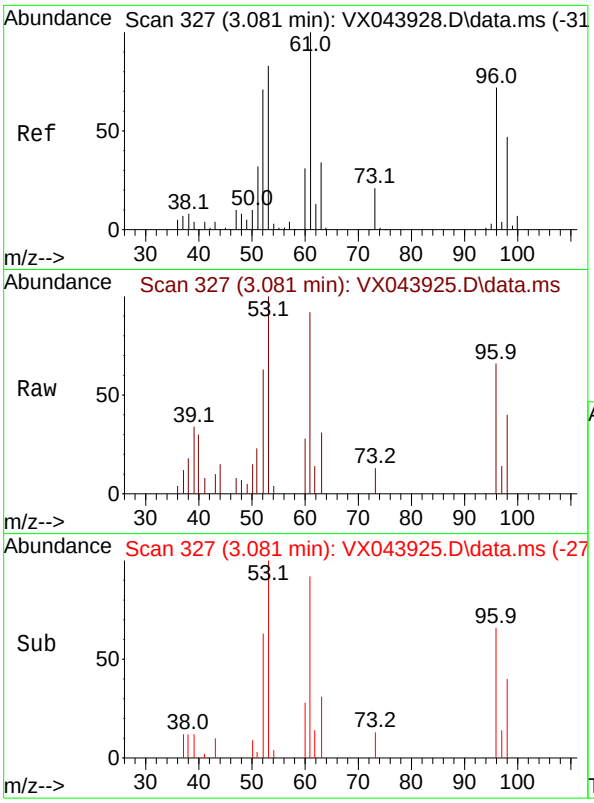


#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

Ion	Ratio	Lower	Upper
84	100		
49	94.8	102.7	154.1#
51	20.7	31.7	47.5#
86	50.2	53.9	80.9#

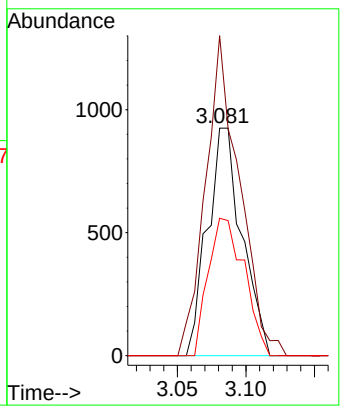




#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 162

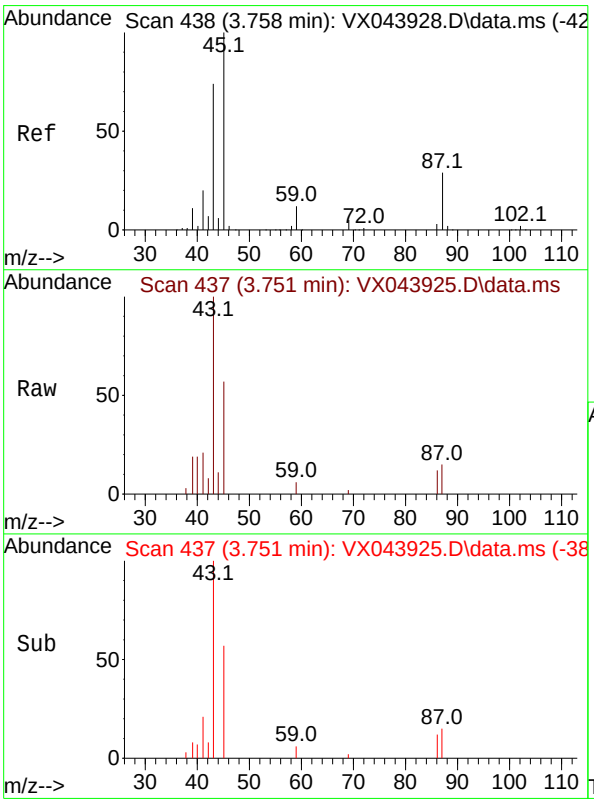
Ion	Ratio	Lower	Upper
96	100		
61	140.6	111.8	167.6
98	60.4	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

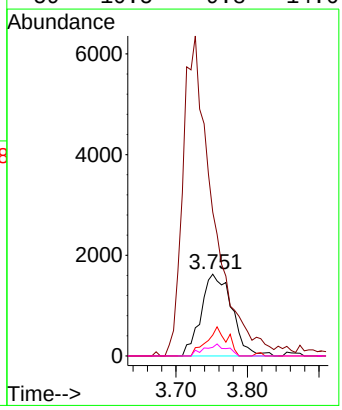
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

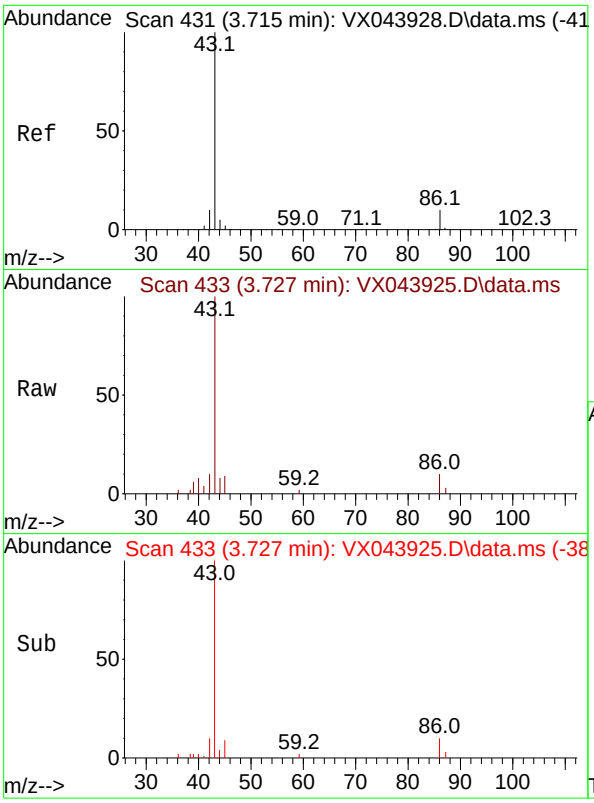


#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

Ion	Ratio	Lower	Upper
45	100		
43	164.2	59.6	89.4#
87	25.6	22.9	34.3
59	10.5	9.8	14.6

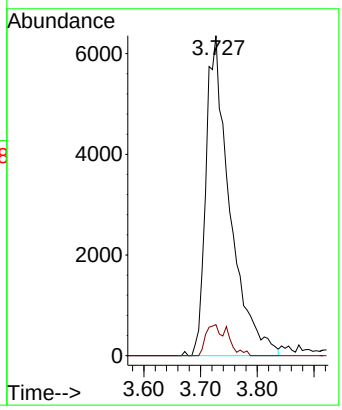




#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 1854

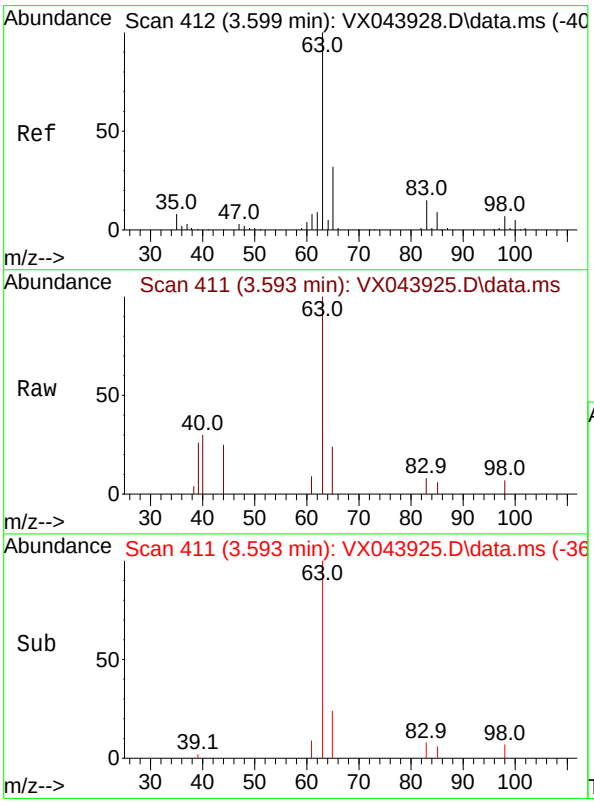
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

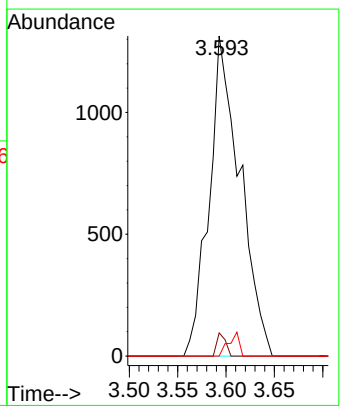
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

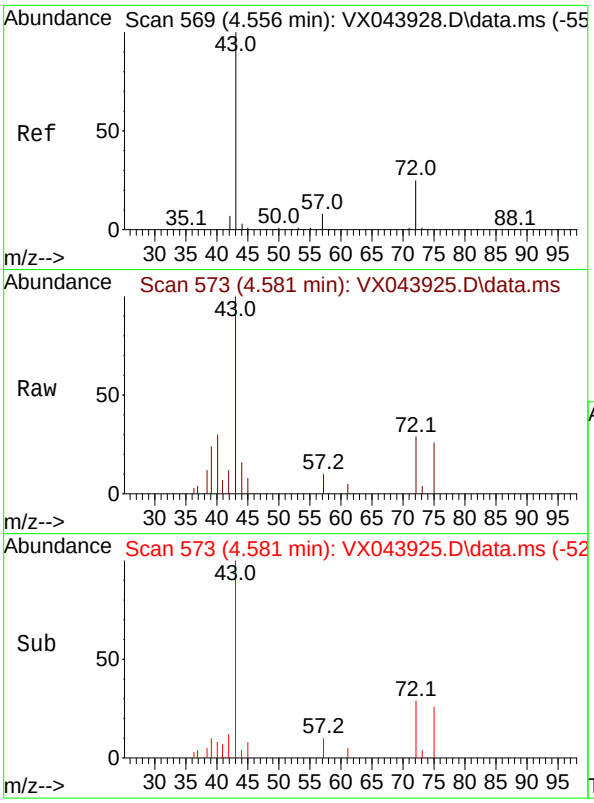


#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	0.0	2.4	7.1#





#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

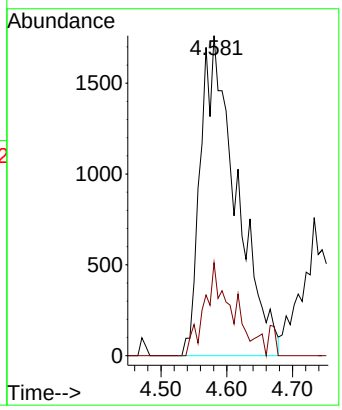
Tgt Ion: 43 Resp: 667

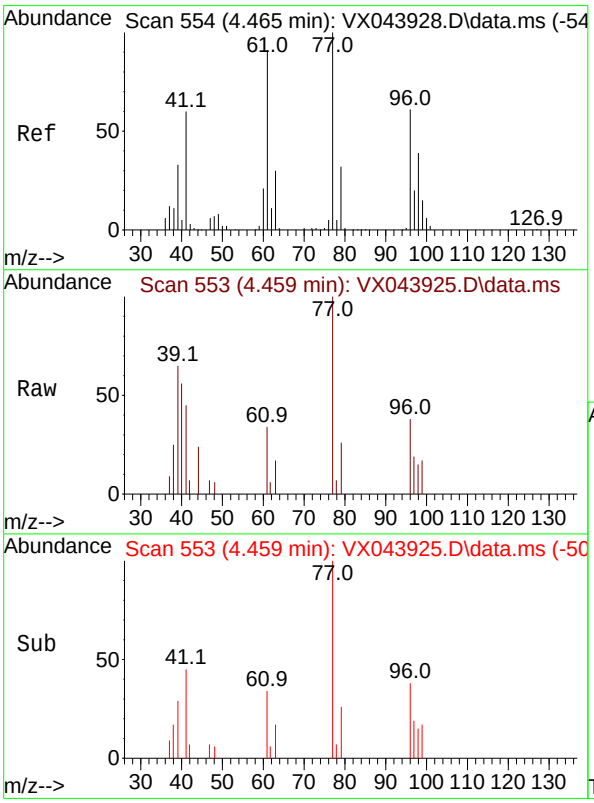
Ion	Ratio	Lower	Upper
43	100		
72	29.1	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

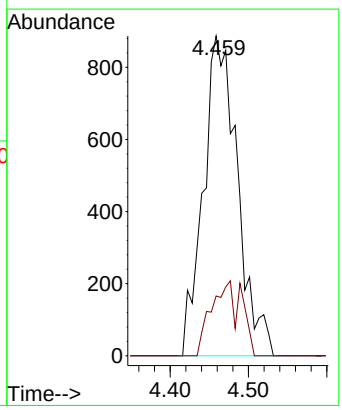


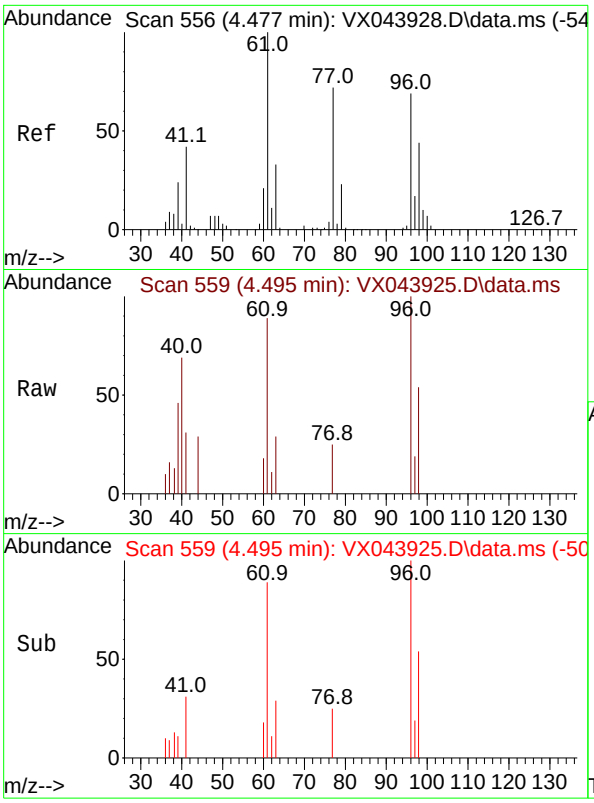


#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

Ion	Ratio	Lower	Upper
77	100		
97	15.1	10.8	32.3

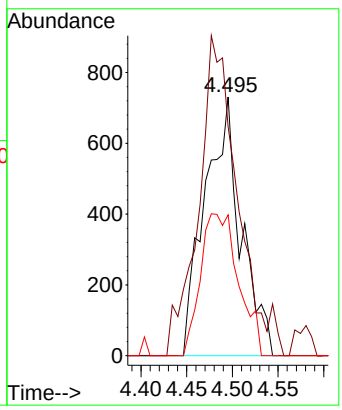




#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 200

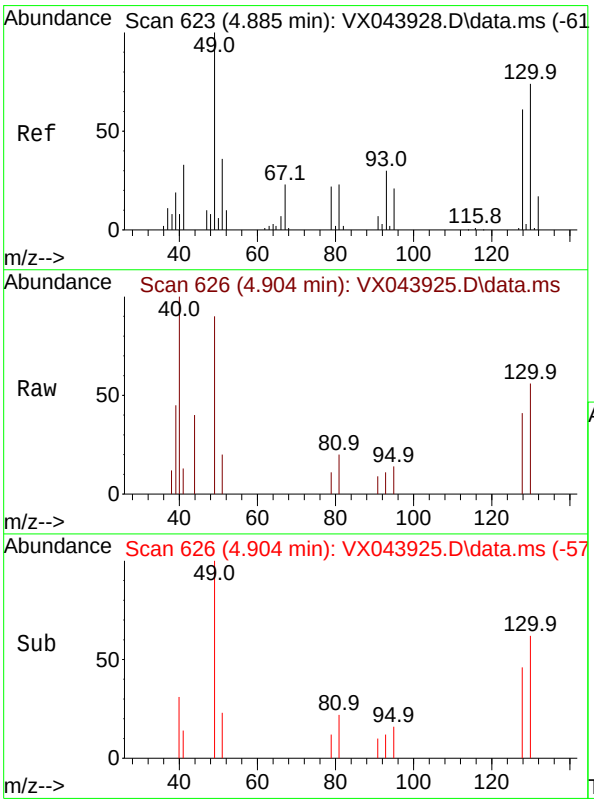
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	297.4
98	57.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

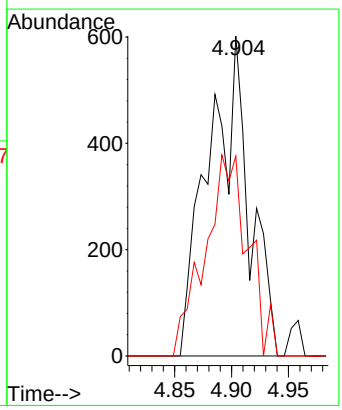
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

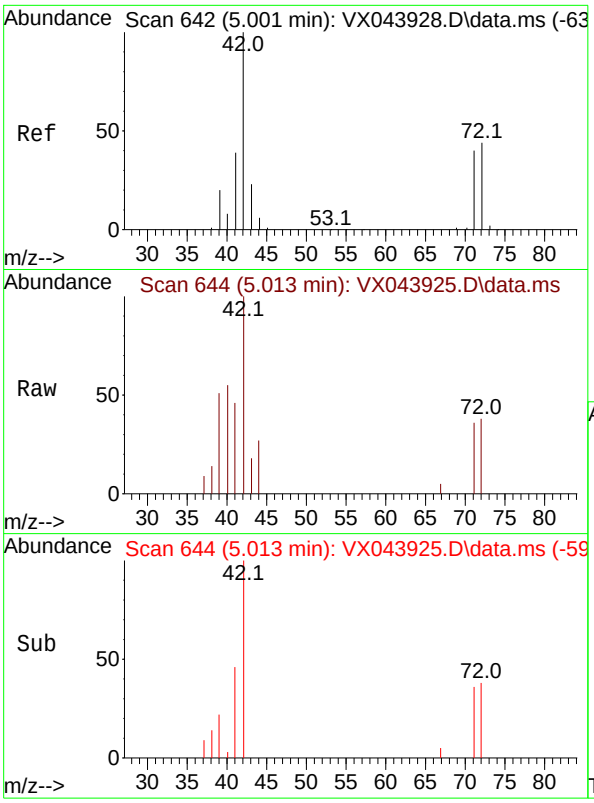


#28
Bromochloromethane
Concen: 0.981 ug/l m
RT: 4.904 min Scan# 626
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 1494

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	66.9	59.0	88.6





#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

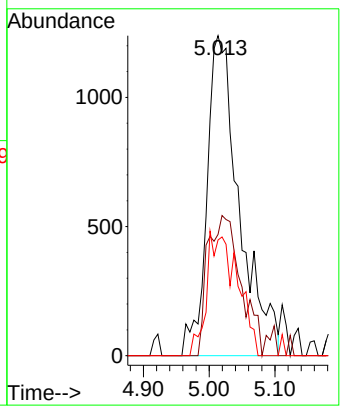
Tgt Ion: 42 Resp: 426

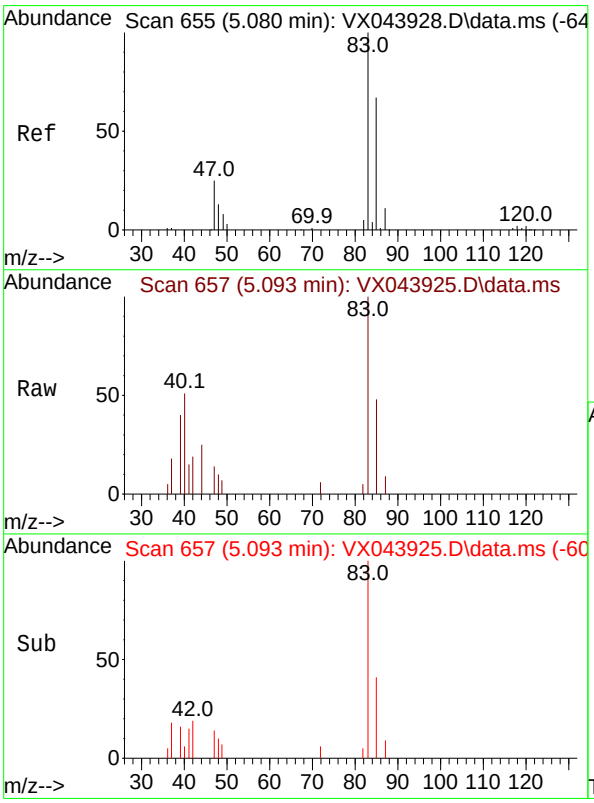
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	36.6	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

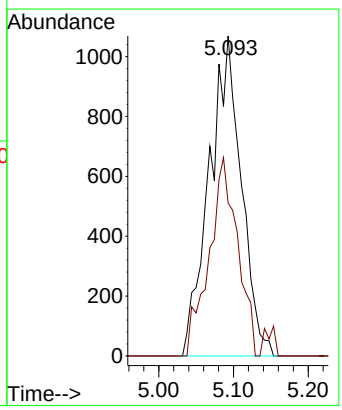


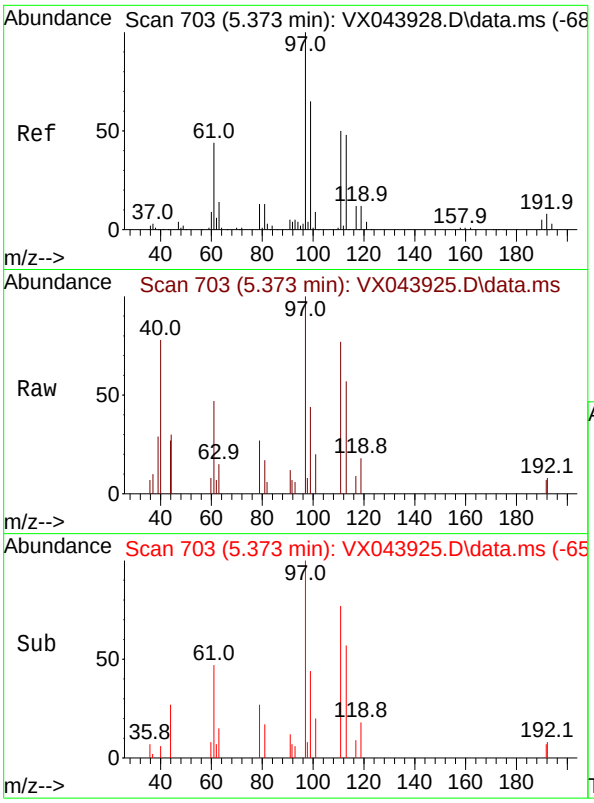


#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

Ion	Ratio	Lower	Upper
83	100		
85	47.8	53.5	80.3#





#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

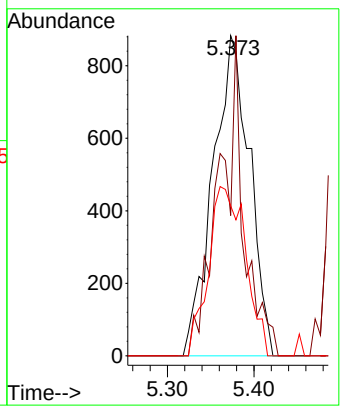
Tgt Ion: 97 Resp: 260(

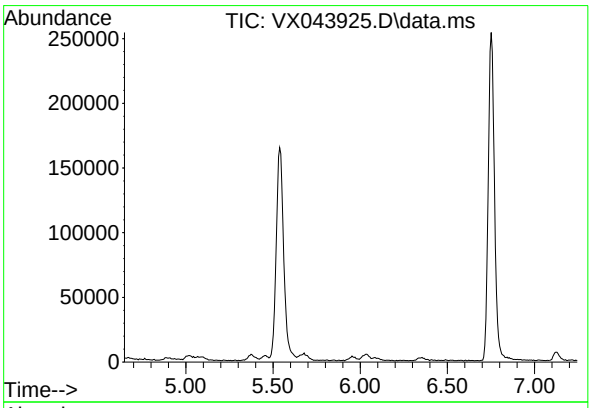
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	53.3	35.4	53.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



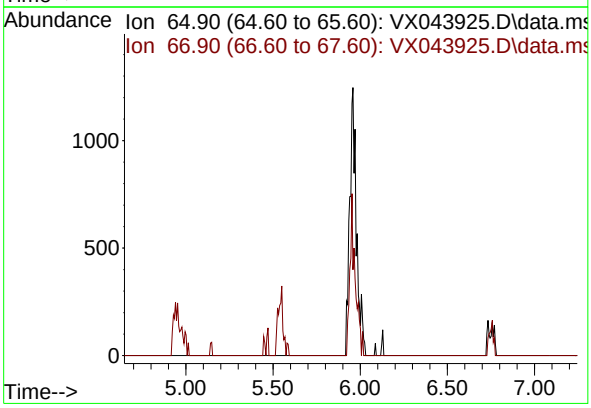


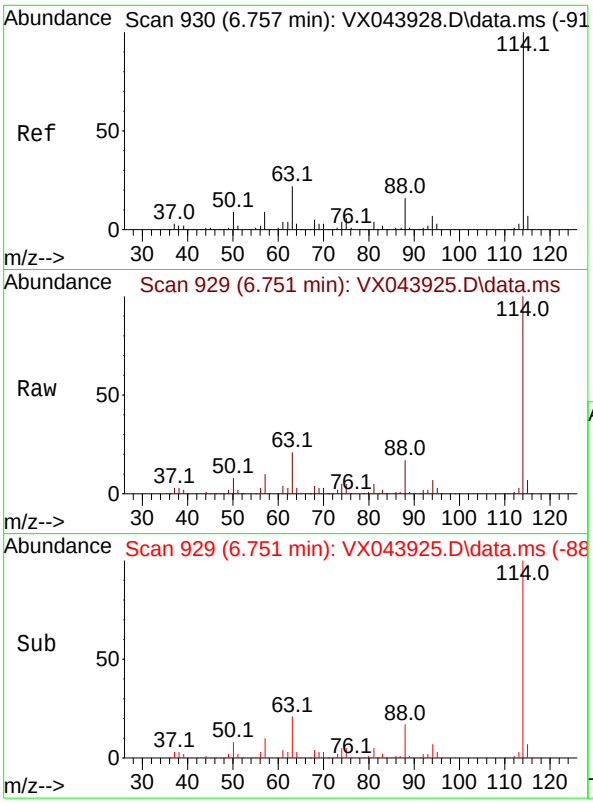
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	50.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

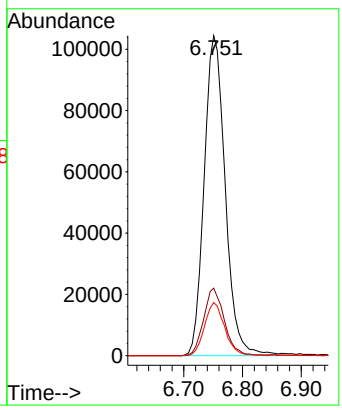
Tgt Ion:114 Resp: 26056

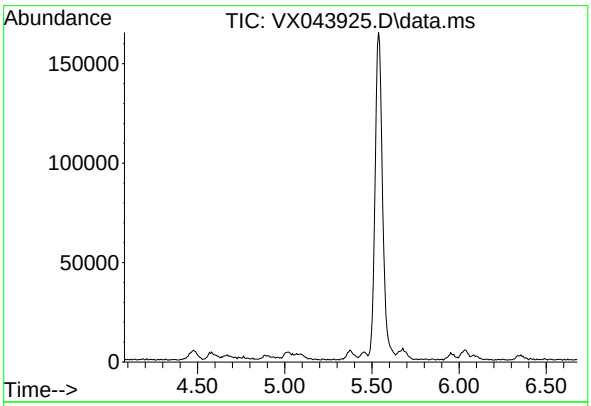
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	32.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



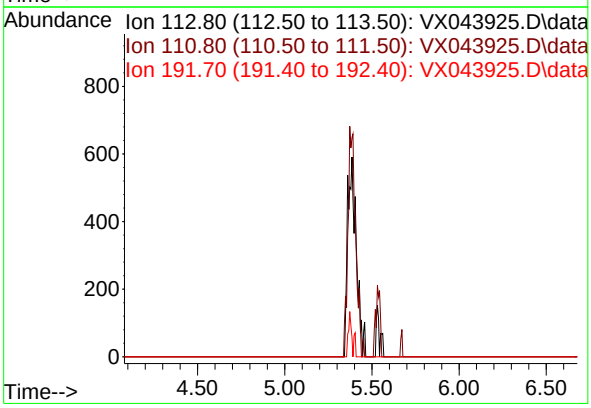


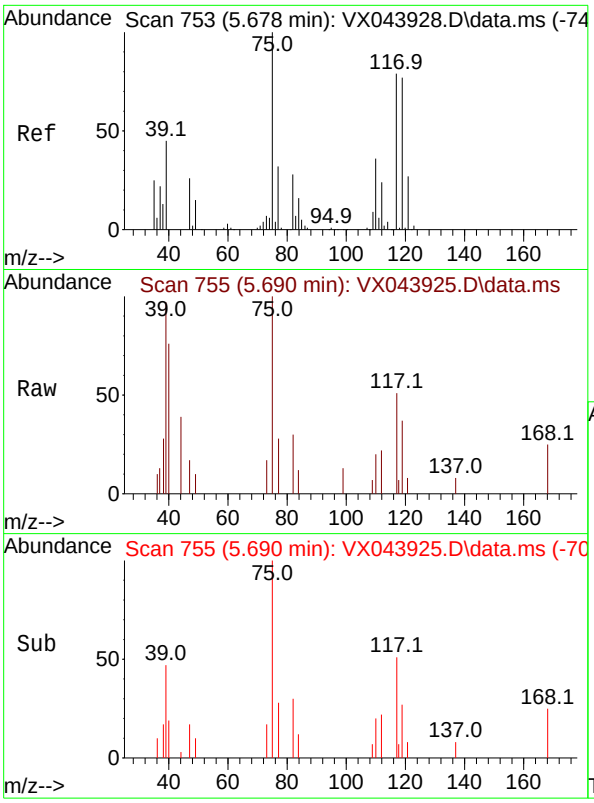
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.2
192	16.3





#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

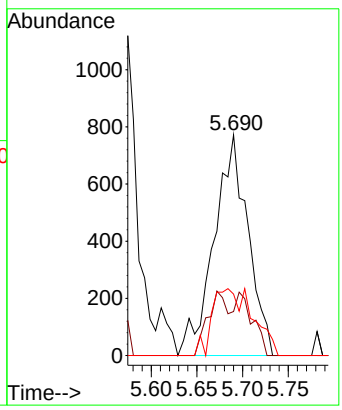
Tgt Ion: 75 Resp: 199

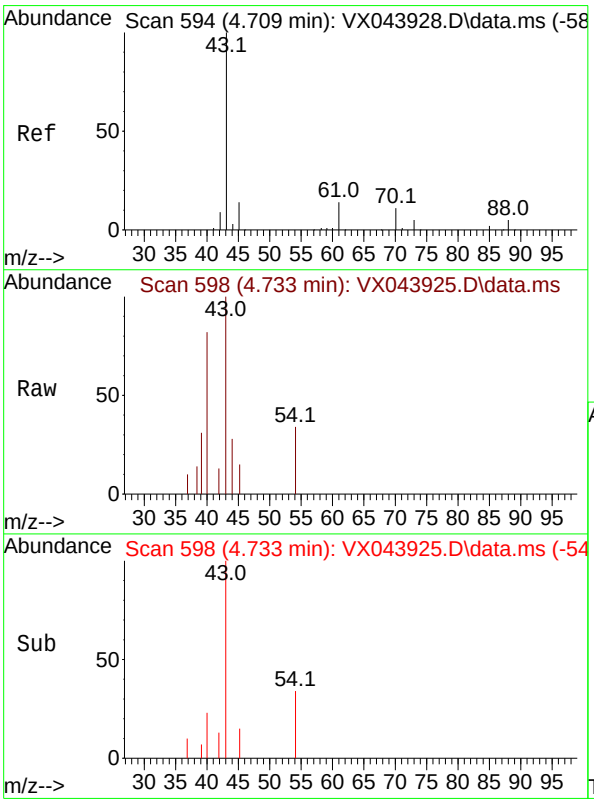
Ion	Ratio	Lower	Upper
75	100		
110	16.7	17.4	52.2#
77	36.6	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

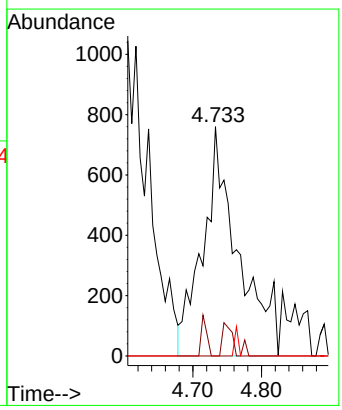


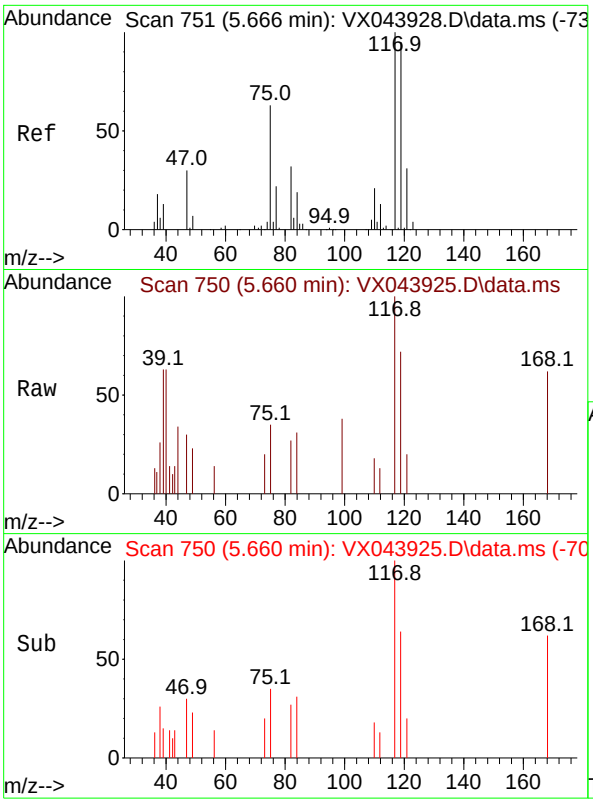


#37
Ethyl Acetate
Concen: 0.935 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2692

Ion	Ratio	Lower	Upper
43	100		
61	3.8	10.7	16.1#
70	0.0	8.0	12.0#

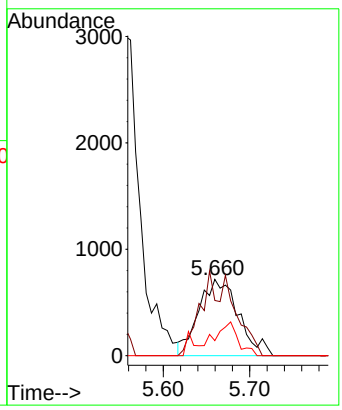




#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 228

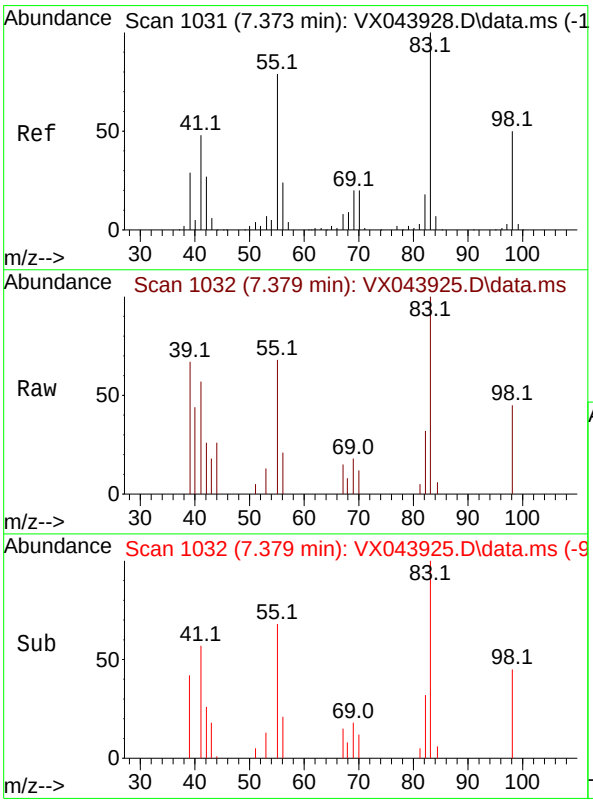
Ion	Ratio	Lower	Upper
117	100		
119	72.4	75.2	112.8#
121	19.7	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

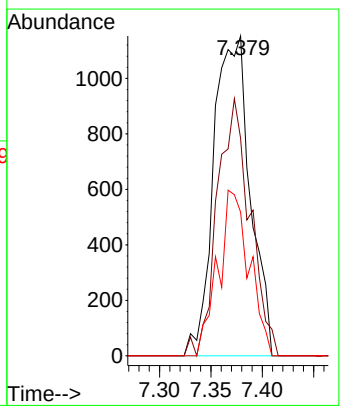
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

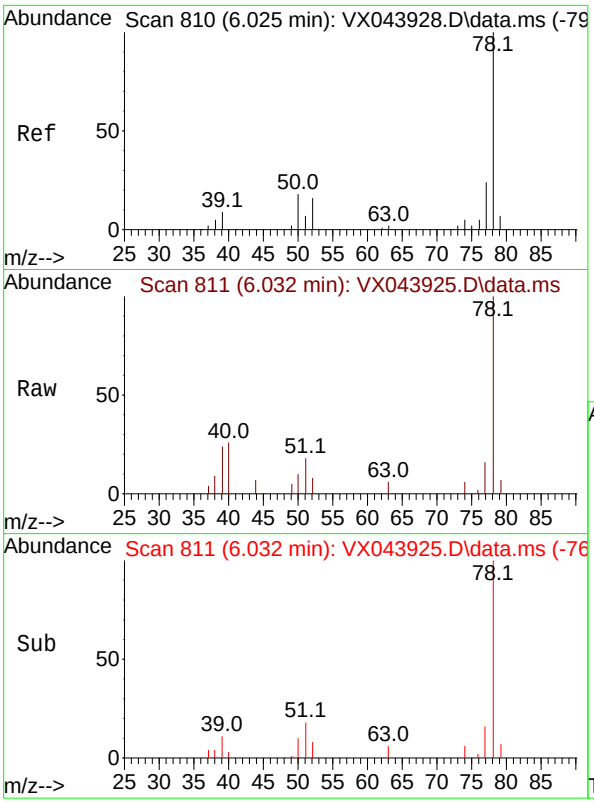


#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2835

Ion	Ratio	Lower	Upper
83	100		
55	68.0	63.1	94.7
98	44.9	40.0	60.0

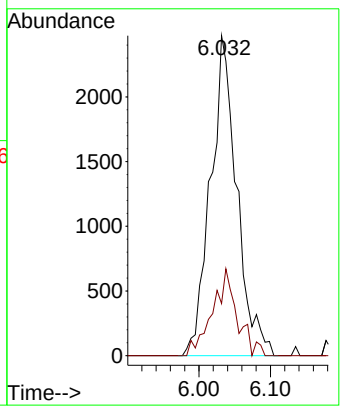




#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 631

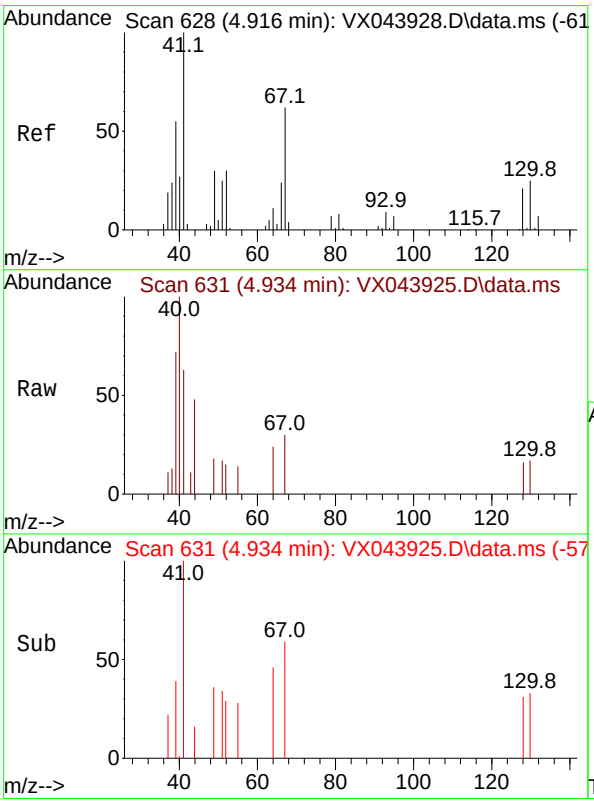
Ion	Ratio	Lower	Upper
78	100		
77	16.3	19.2	28.8#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

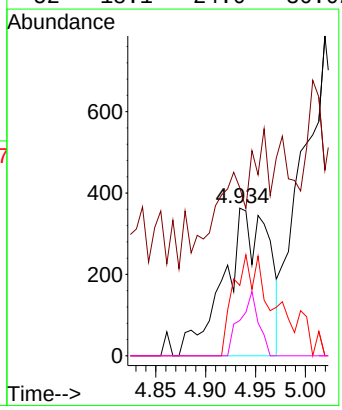
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

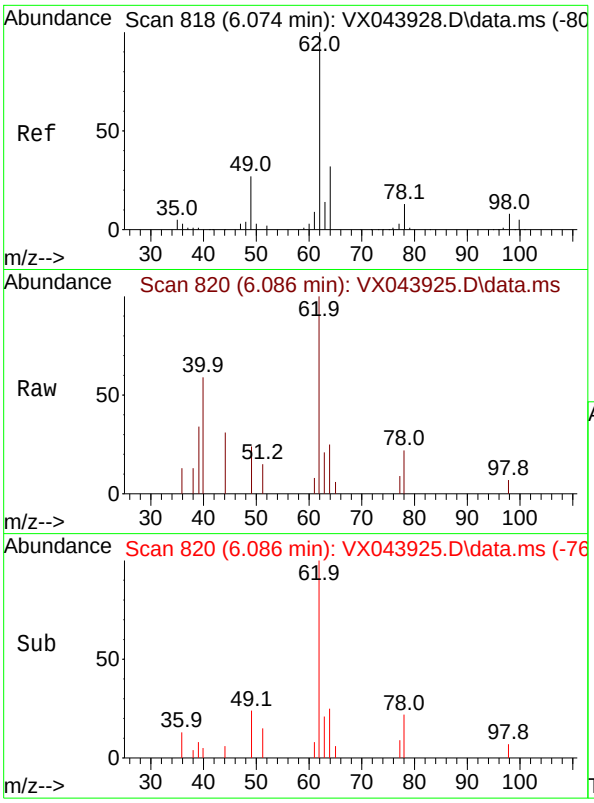


#41
Methacrylonitrile
Concen: 0.774 ug/l m
RT: 4.934 min Scan# 631
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1141

Ion	Ratio	Lower	Upper
41	100		
39	22.2	41.7	62.5#
67	57.0	55.8	83.8
52	18.1	24.0	36.0#

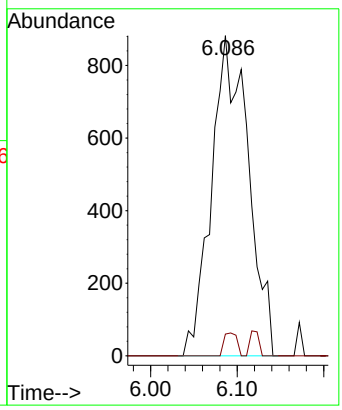




#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 260

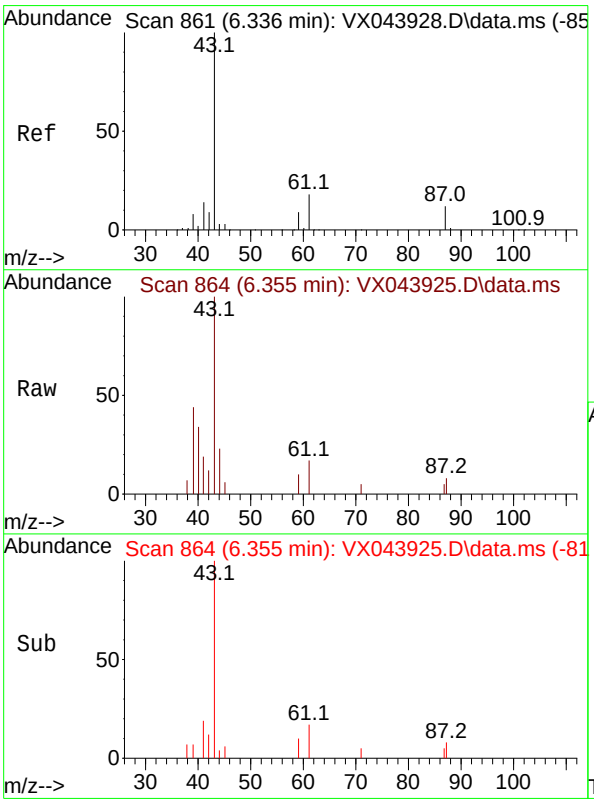
Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	16.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

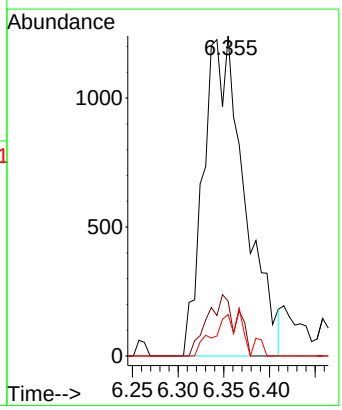
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

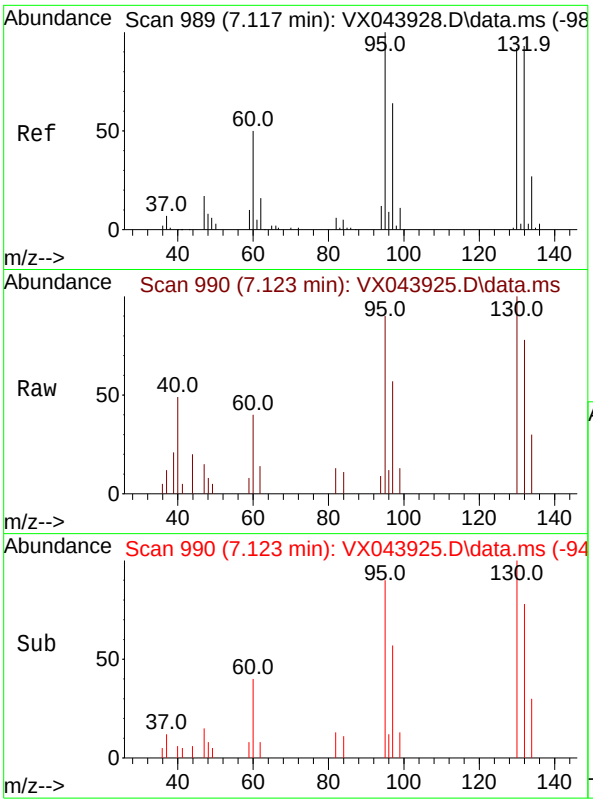


#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 3881

Ion	Ratio	Lower	Upper
43	100		
61	13.8	14.5	21.7#
87	8.9	10.2	15.2#

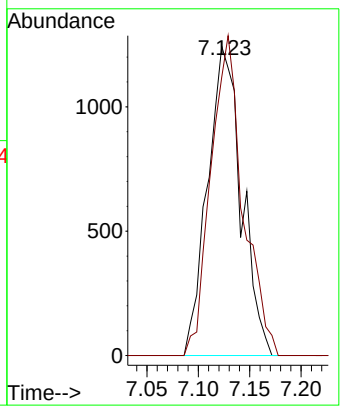




#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:130 Resp: 285

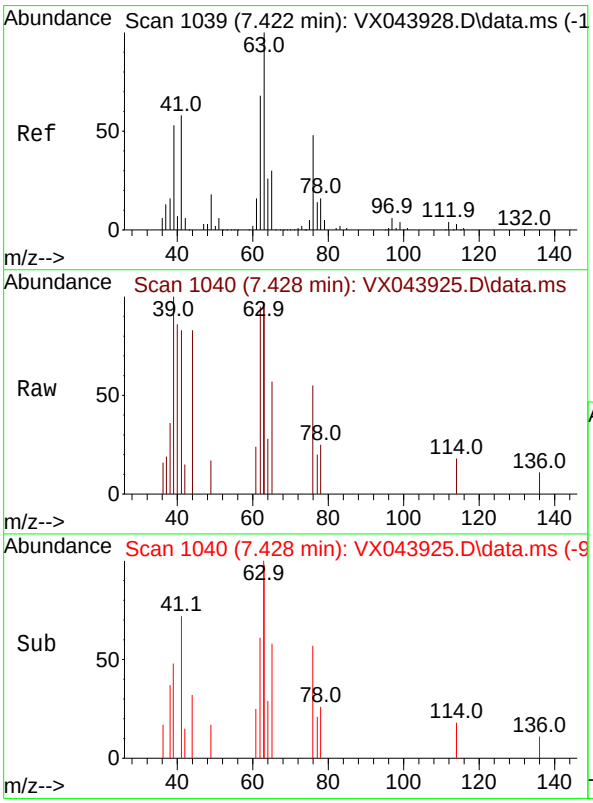
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	217.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

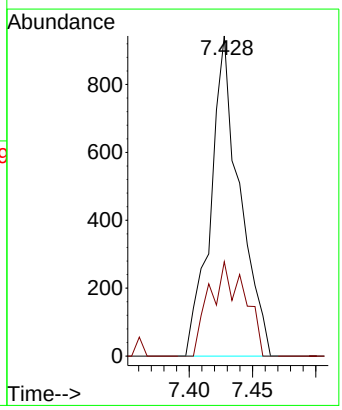
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

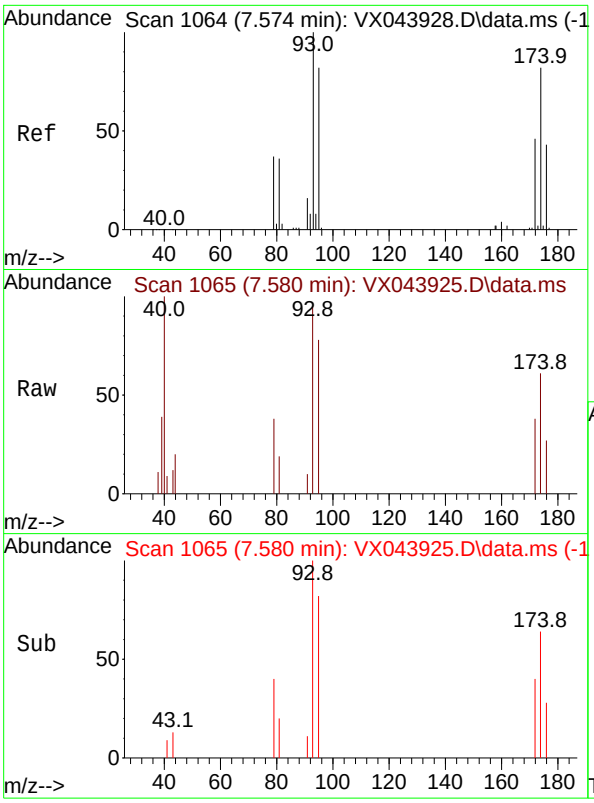


#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 1503

Ion	Ratio	Lower	Upper
63	100		
65	29.5	23.8	35.6

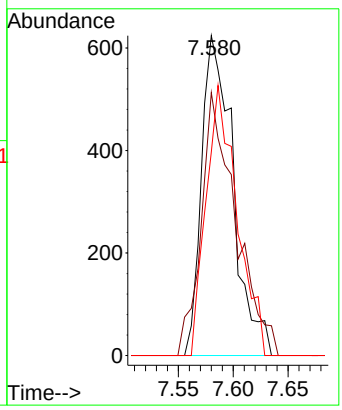




#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 124

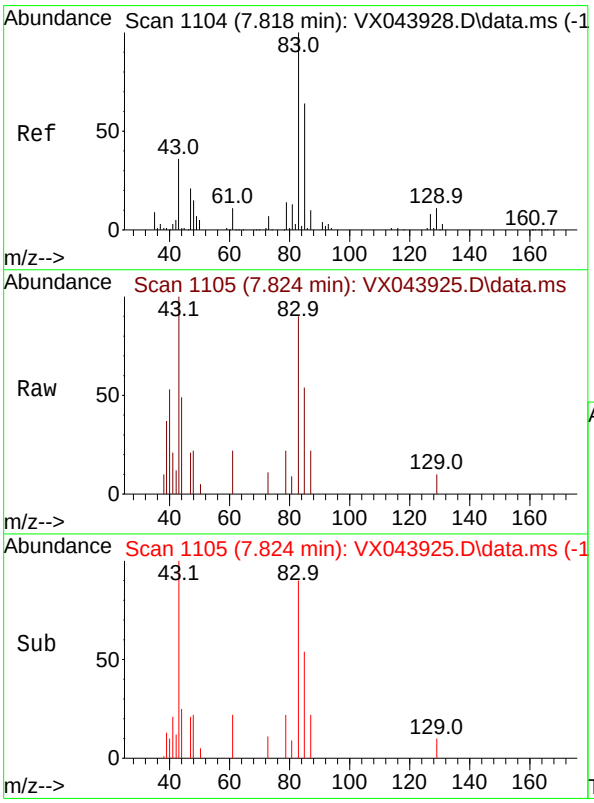
Ion	Ratio	Lower	Upper
93	100		
95	90.4	66.2	99.4
174	83.1	69.6	104.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

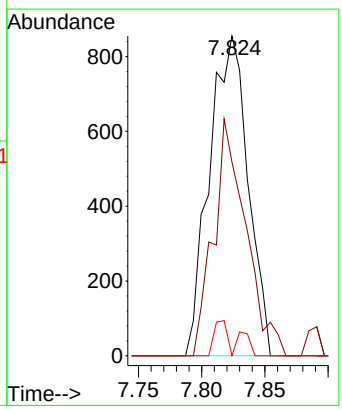
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

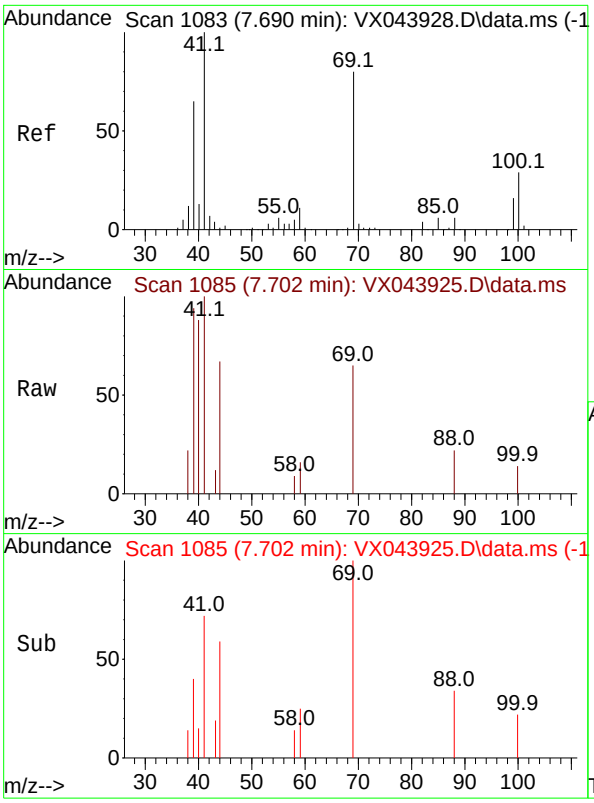


#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 1819

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.0
127	0.0	6.6	10.0#





#48
Methyl methacrylate
Concen: 0.917 ug/l m
RT: 7.702 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

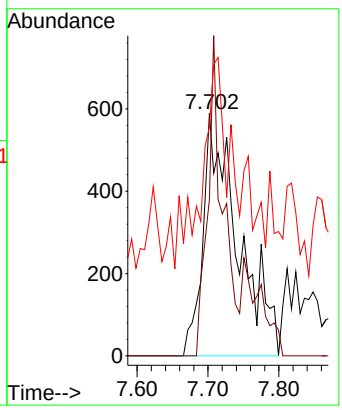
Tgt Ion: 41 Resp: 201

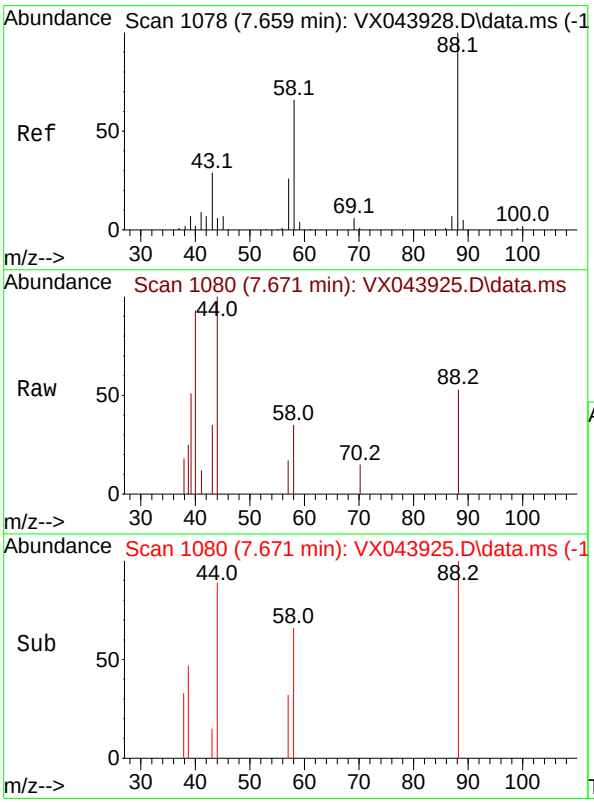
Ion	Ratio	Lower	Upper
41	100		
69	57.5	64.6	97.0#
39	40.3	53.3	79.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

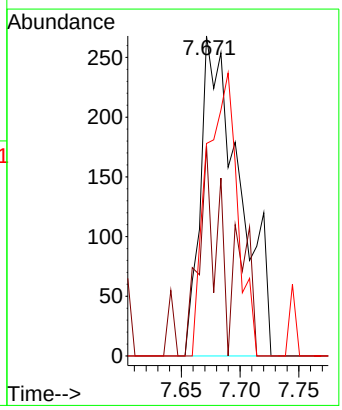


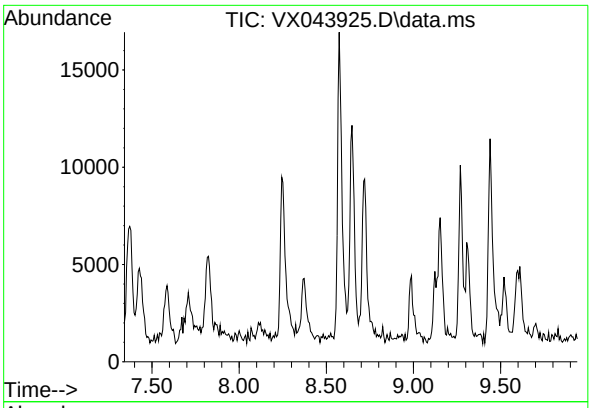


#49
1,4-Dioxane
Concen: 16.166 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 88 Resp: 613

Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.8	40.2
58	0.0	45.4	68.2#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.64 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

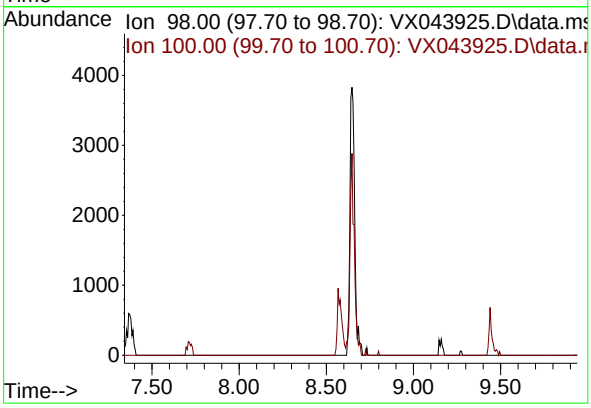
Tgt Ion: 98

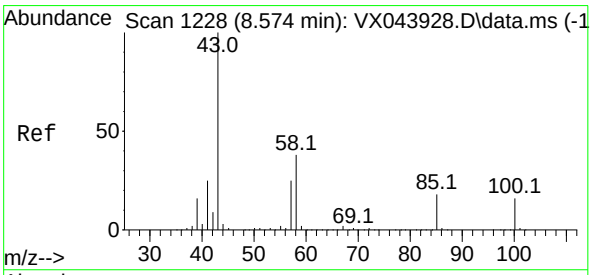
Sig	Exp Ratio
98	100
100	65.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

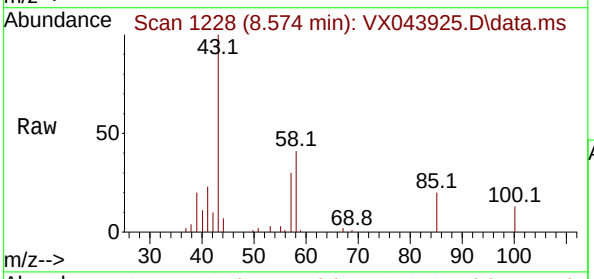


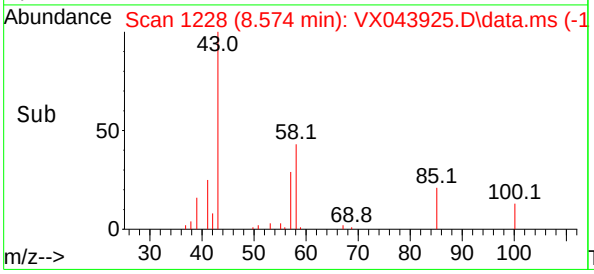


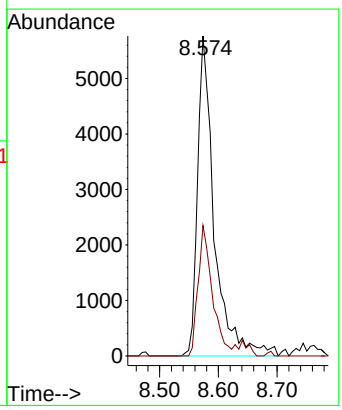
#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

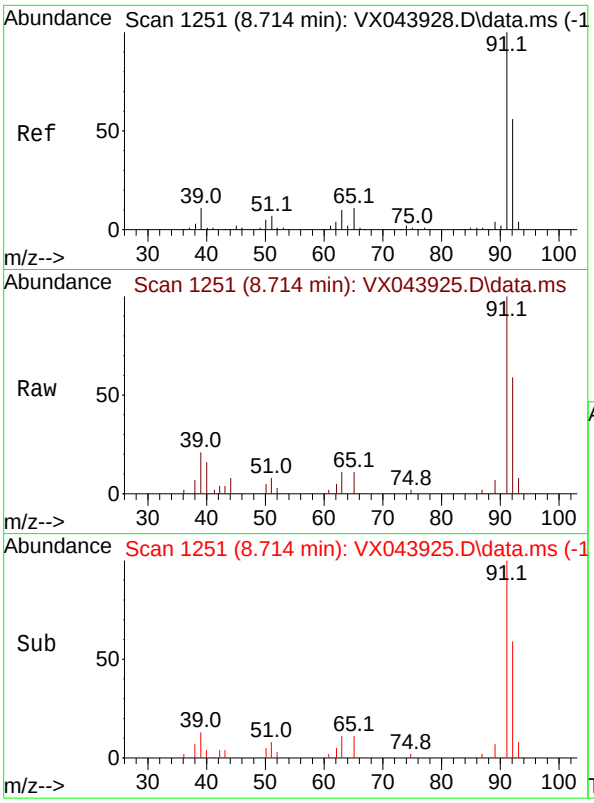
Tgt Ion: 43 Resp: 11392

Ion	Ratio	Lower	Upper
43	100		
58	34.9	30.0	45.0









#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

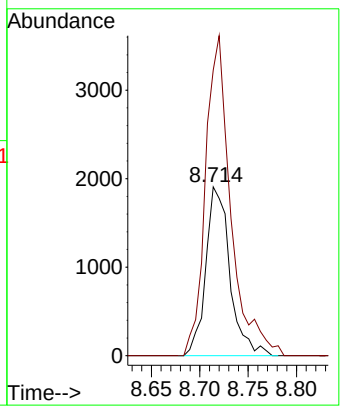
Tgt Ion: 92 Resp: 331

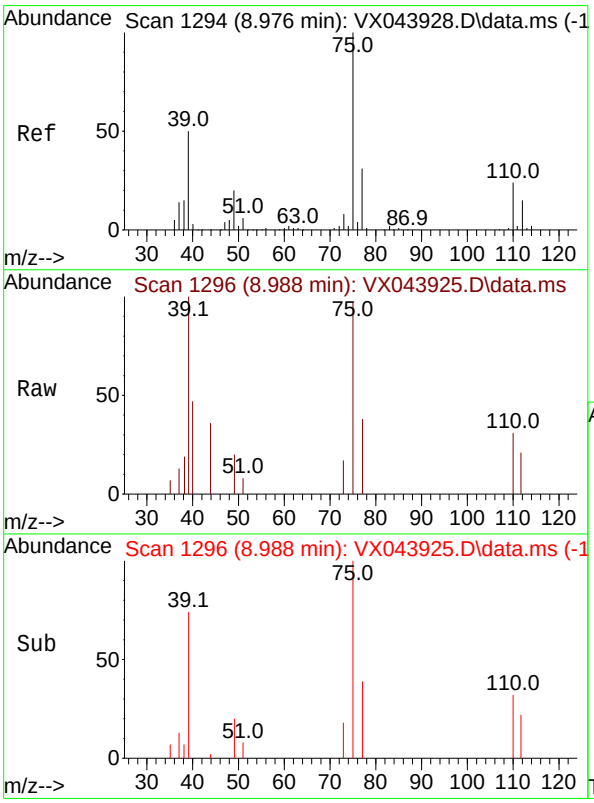
Ion	Ratio	Lower	Upper
92	100		
91	199.1	139.7	209.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

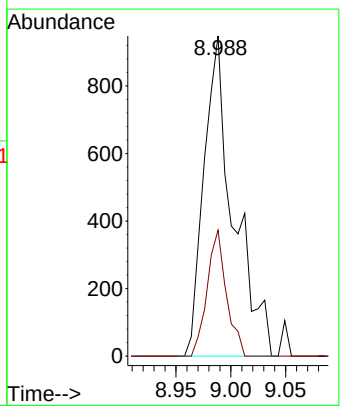


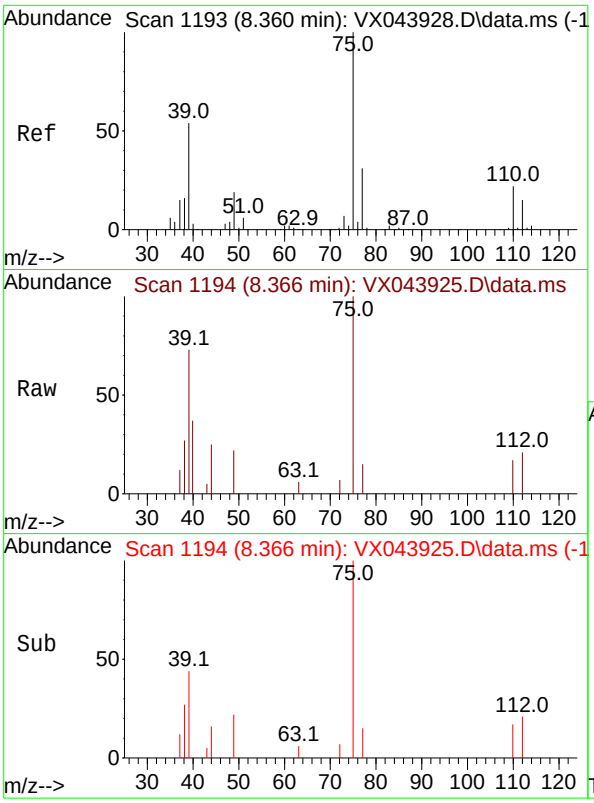


#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1776

Ion	Ratio	Lower	Upper
75	100		
77	39.3	25.1	37.7#

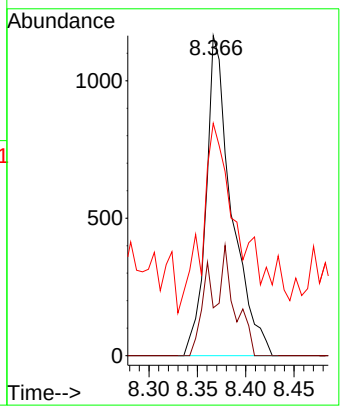




#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 213

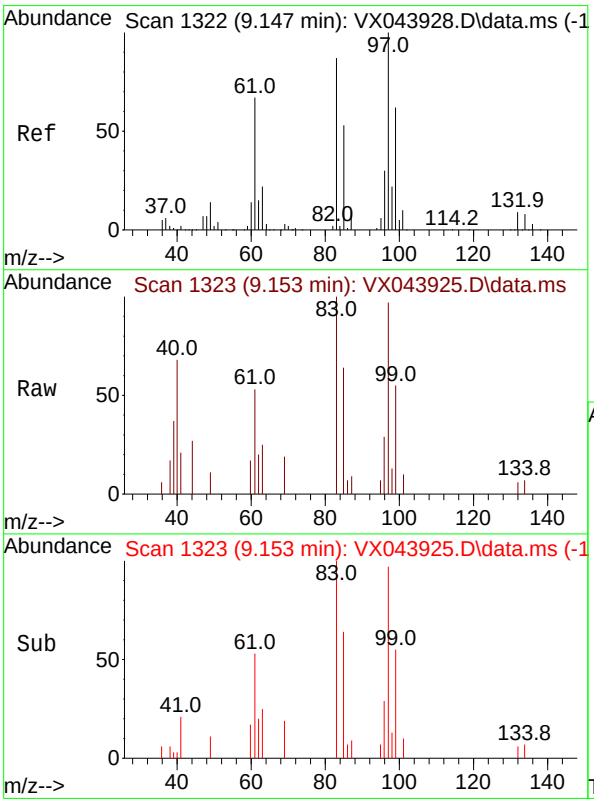
Ion	Ratio	Lower	Upper
75	100		
77	14.9	25.2	37.8#
39	59.3	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

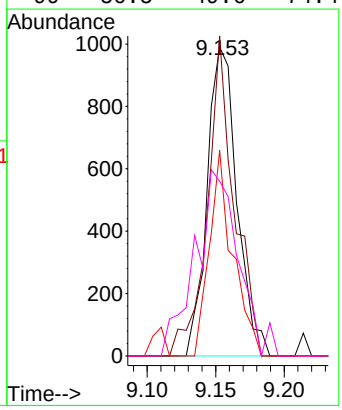
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

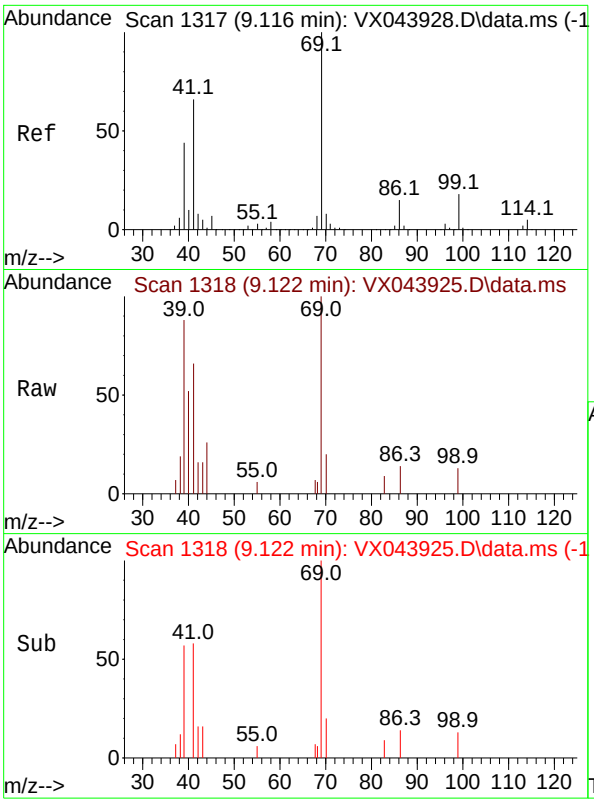


#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 1496

Ion	Ratio	Lower	Upper
97	100		
83	103.5	69.4	104.0
85	66.5	42.3	63.5#
99	56.5	49.6	74.4

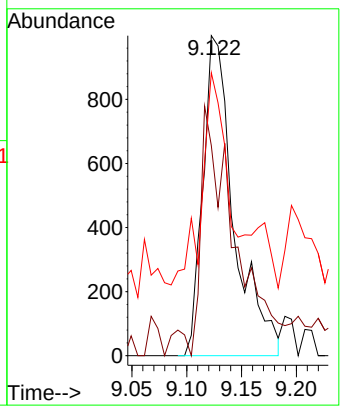




#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 197

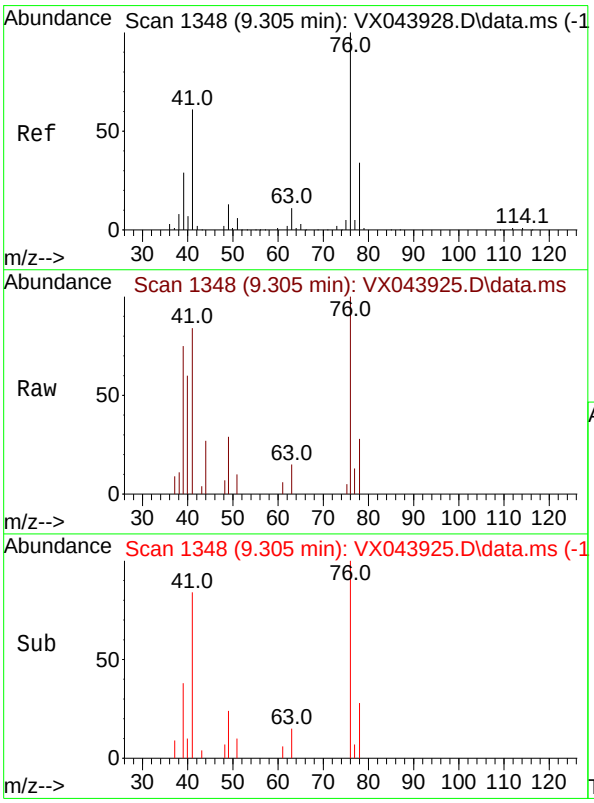
Ion	Ratio	Lower	Upper
69	100		
41	85.3	55.8	83.8#
39	56.7	36.7	55.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

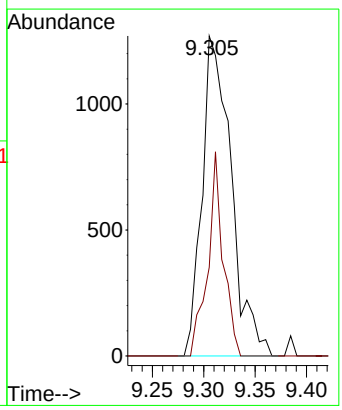
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

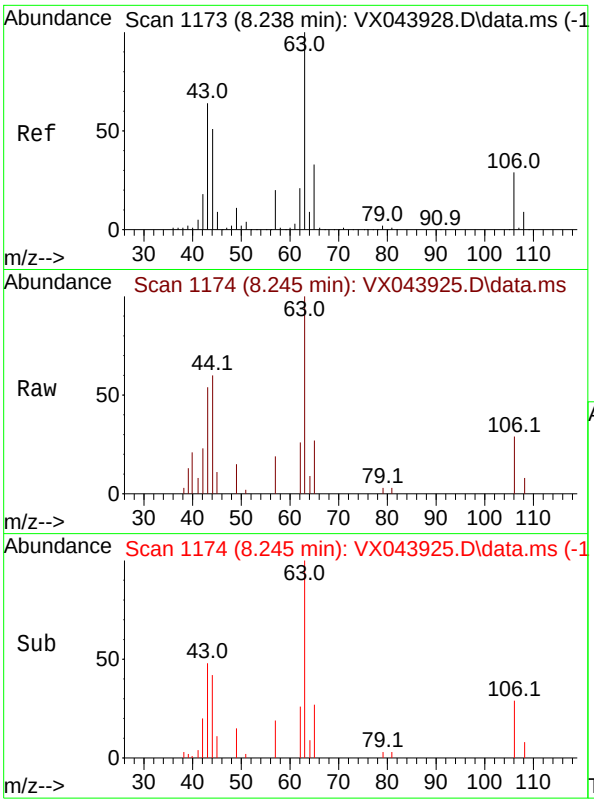


#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 2502

Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.0	39.0





#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

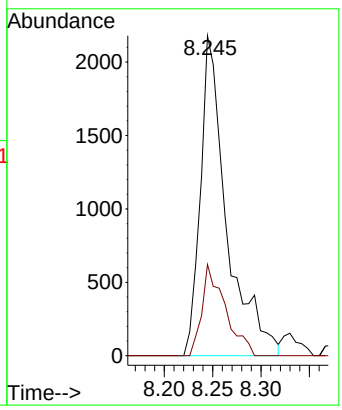
Tgt Ion: 63 Resp: 413

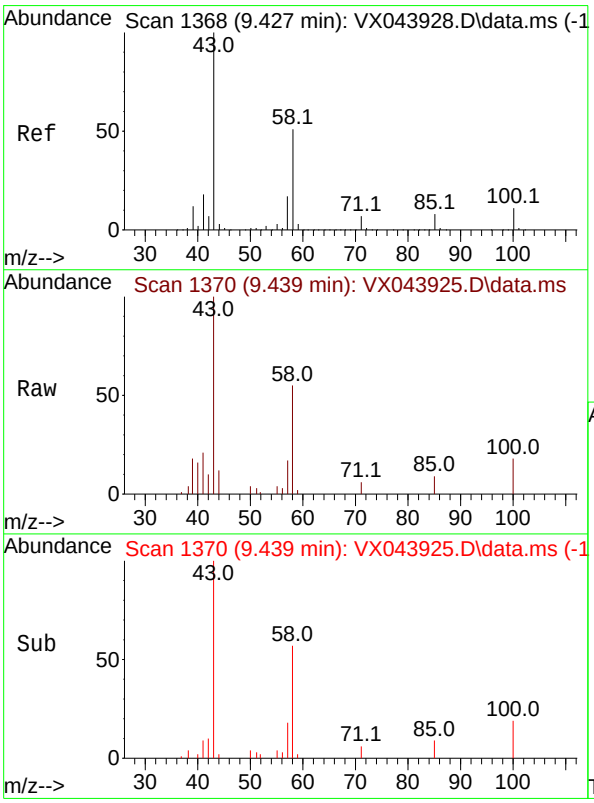
Ion	Ratio	Lower	Upper
63	100		
106	25.2	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

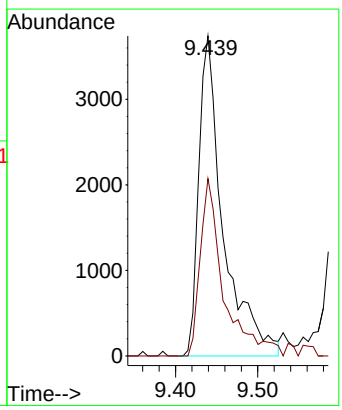


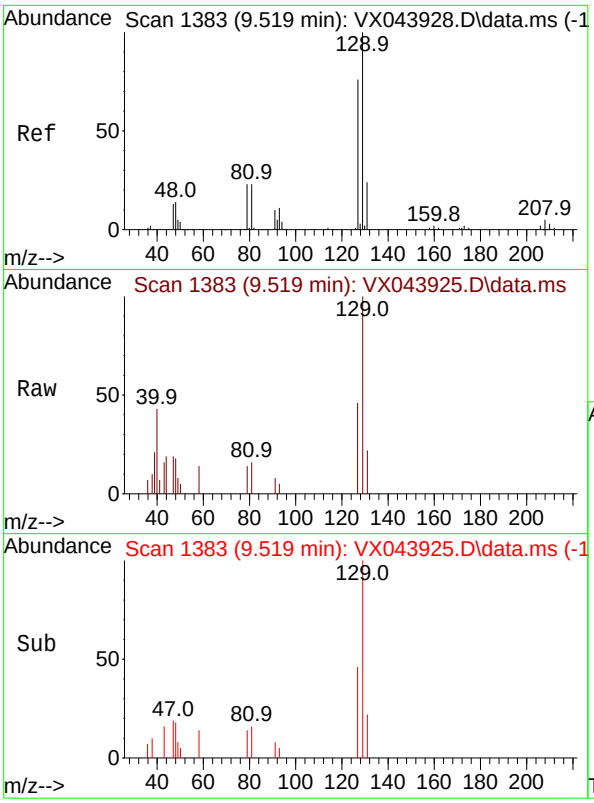


#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 7726

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

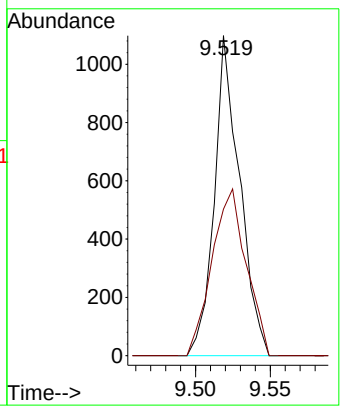




#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 129

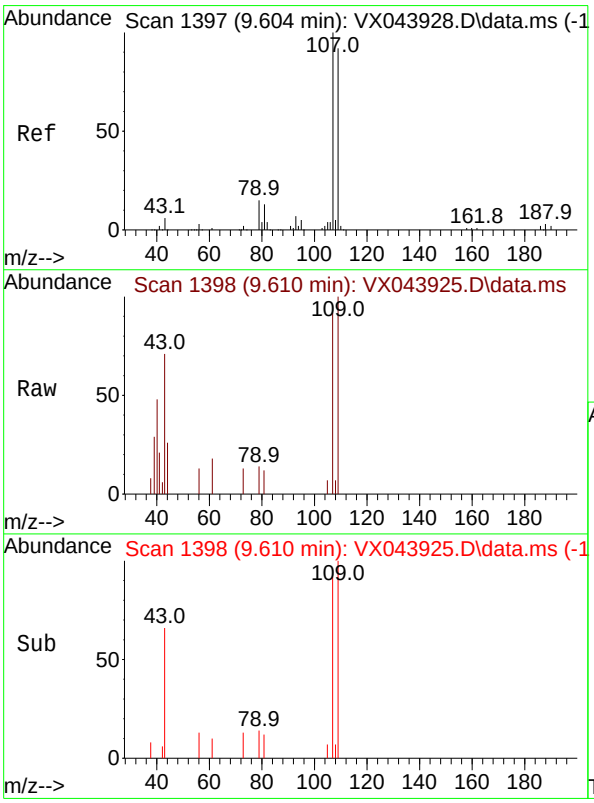
Ion	Ratio	Lower	Upper
129	100		
127	70.6	38.2	114.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

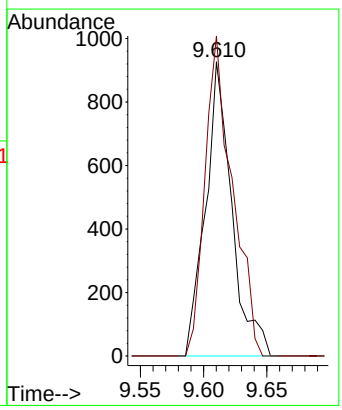
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

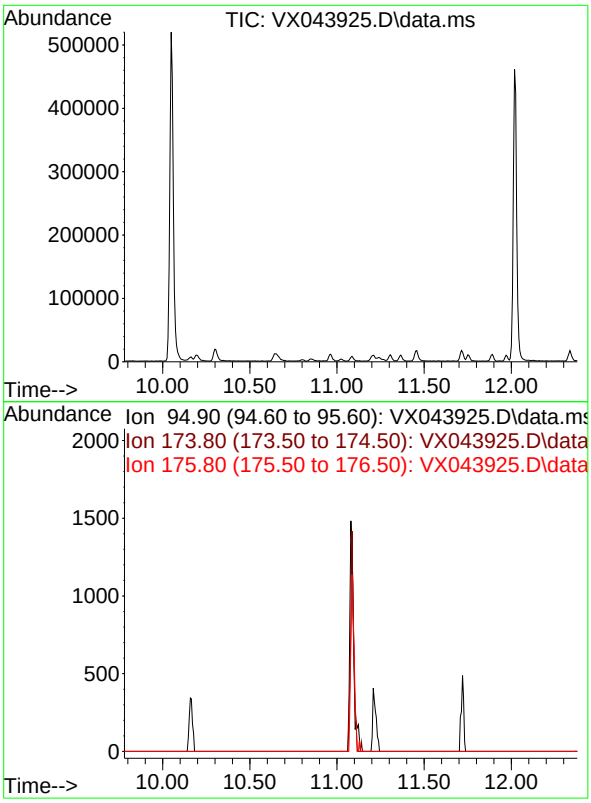


#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:107 Resp: 1342

Ion	Ratio	Lower	Upper
107	100		
109	113.3	75.2	112.8#





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

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

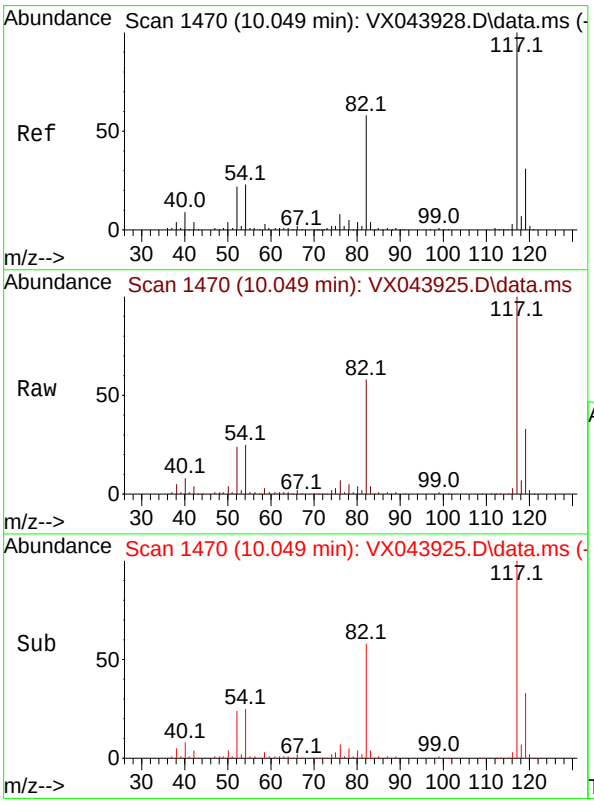
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	75.2
176	73.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

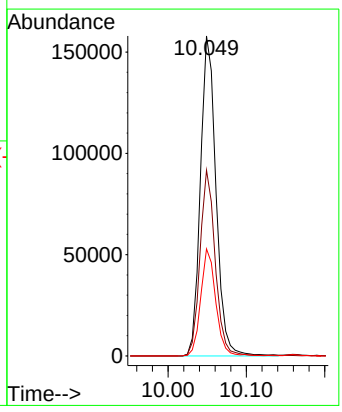
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

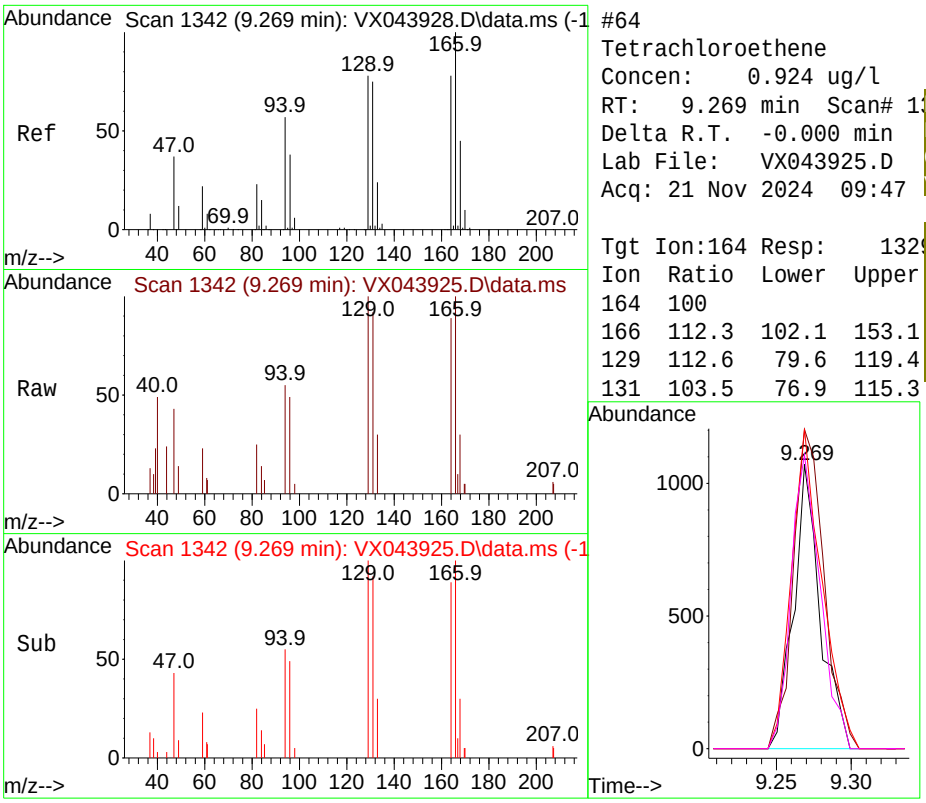


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 218244

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	33.5	24.6	37.0





#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

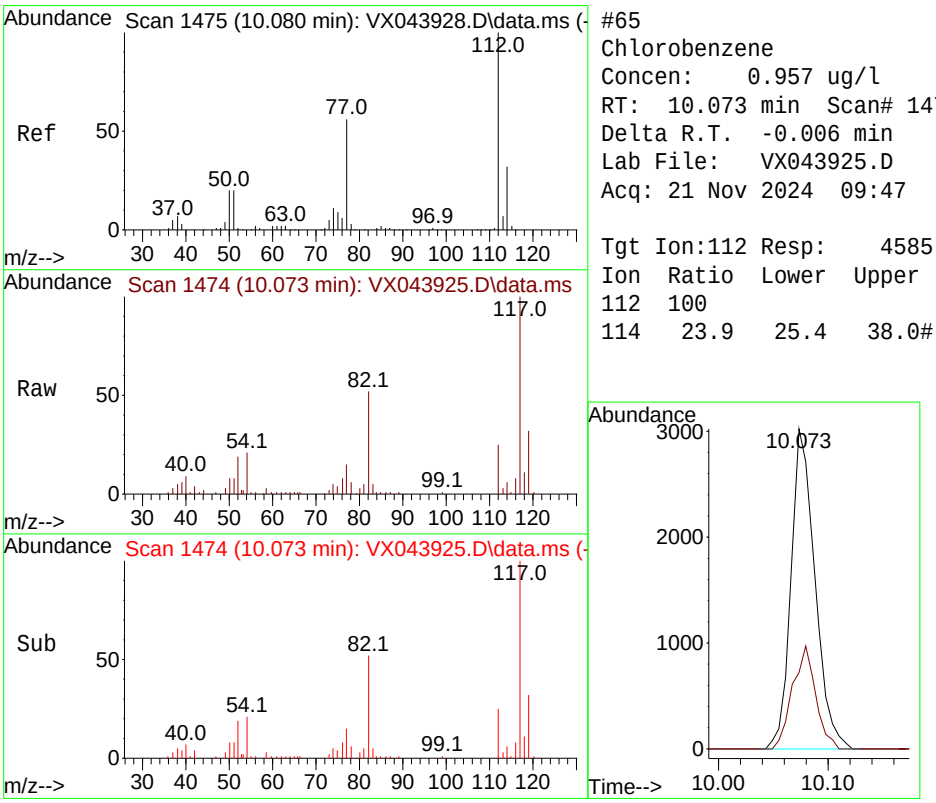
Tgt Ion:164 Resp: 132

Ion	Ratio	Lower	Upper
164	100		
166	112.3	102.1	153.1
129	112.6	79.6	119.4
131	103.5	76.9	115.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

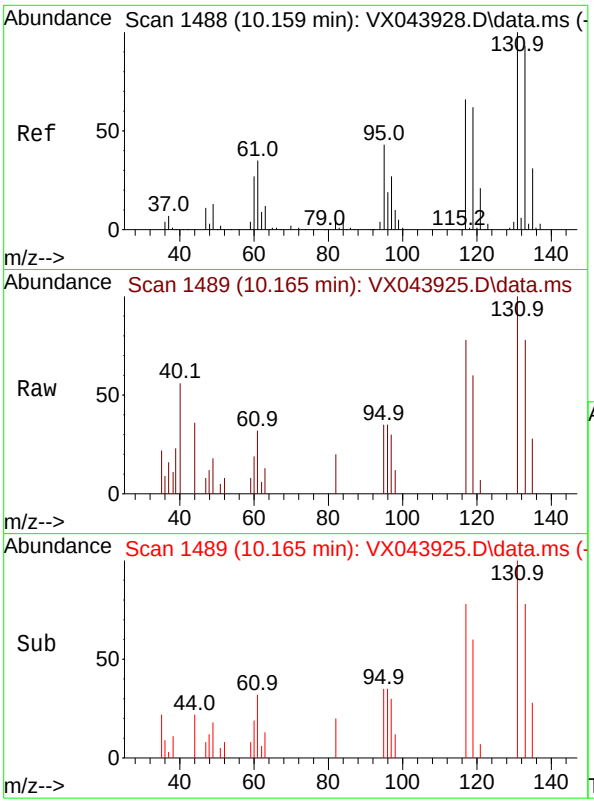
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:112 Resp: 4585

Ion	Ratio	Lower	Upper
112	100		
114	23.9	25.4	38.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

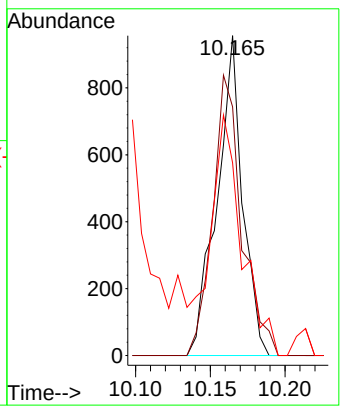
Tgt Ion:131 Resp: 113

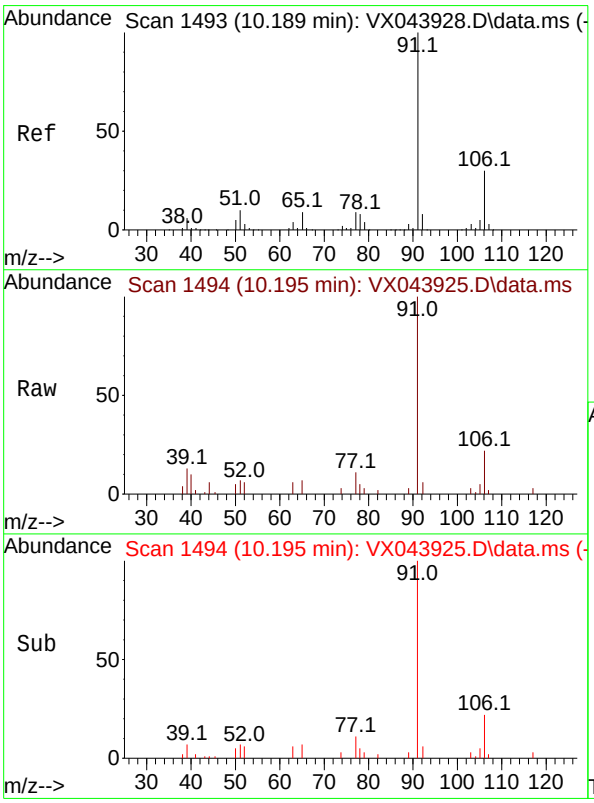
Ion	Ratio	Lower	Upper
131	100		
133	100.0	48.2	144.6
119	0.0	31.5	94.5#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

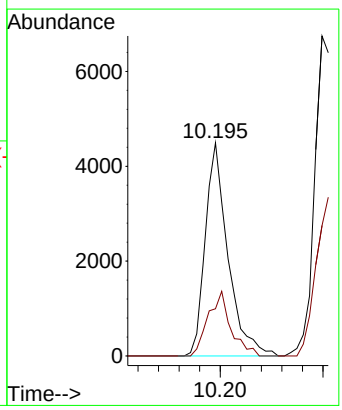


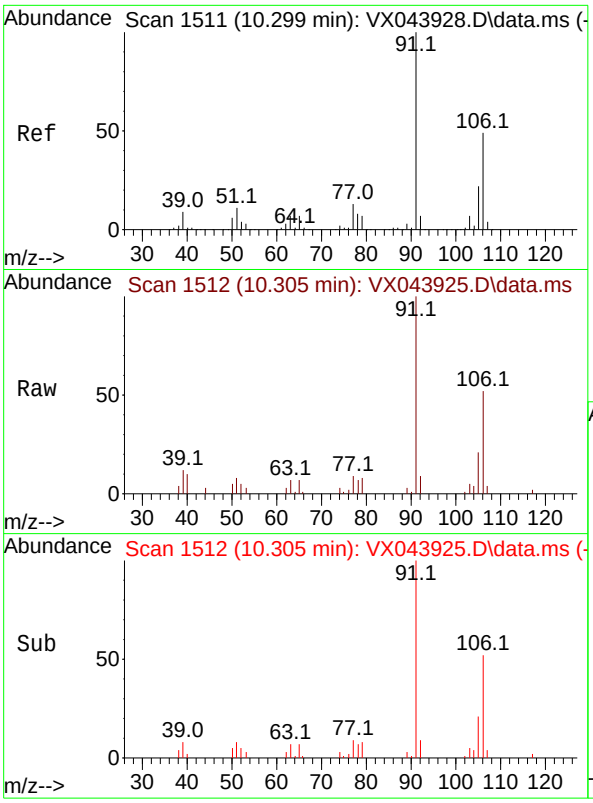


#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6890

Ion	Ratio	Lower	Upper
91	100		
106	22.2	23.6	35.4#

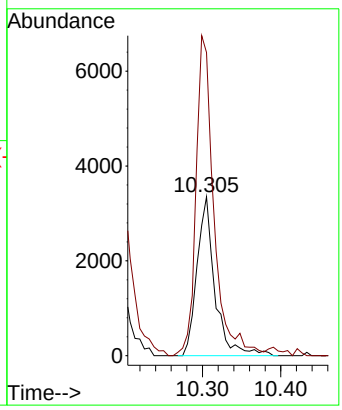




#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 532

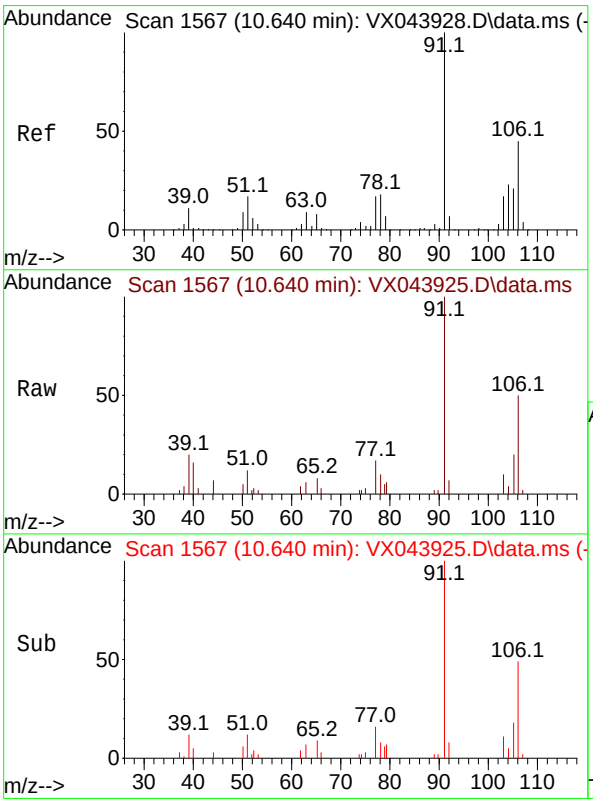
Ion	Ratio	Lower	Upper
106	100		
91	201.7	168.1	252.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

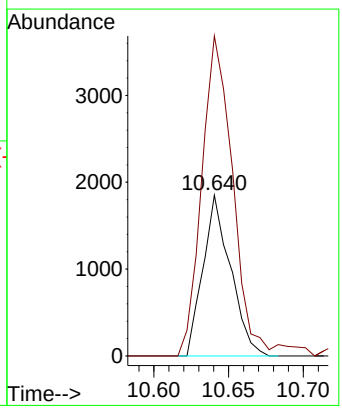
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

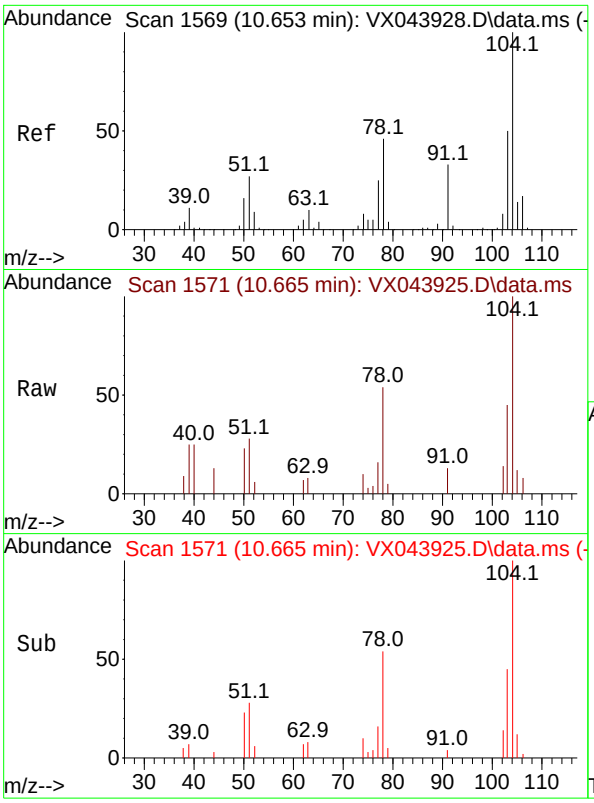


#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 2370

Ion	Ratio	Lower	Upper
106	100		
91	228.1	110.2	330.6

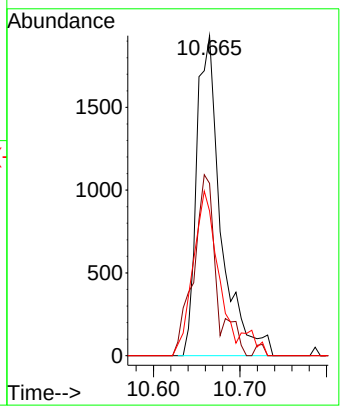




#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 375

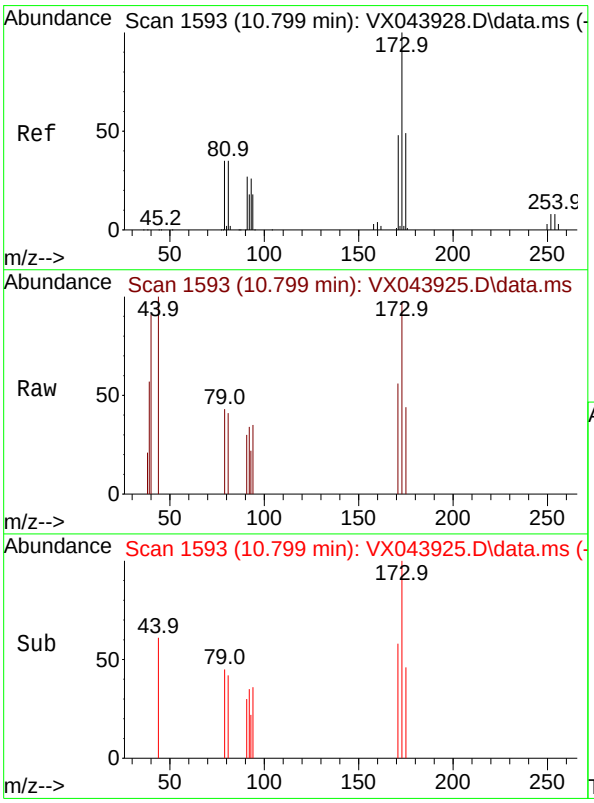
Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	52.8	44.7	67.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

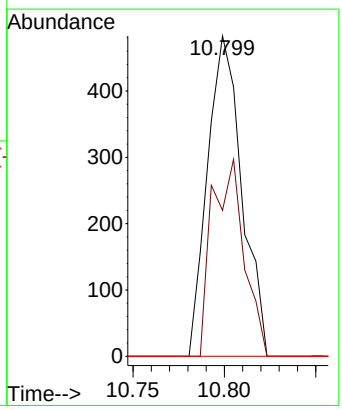
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

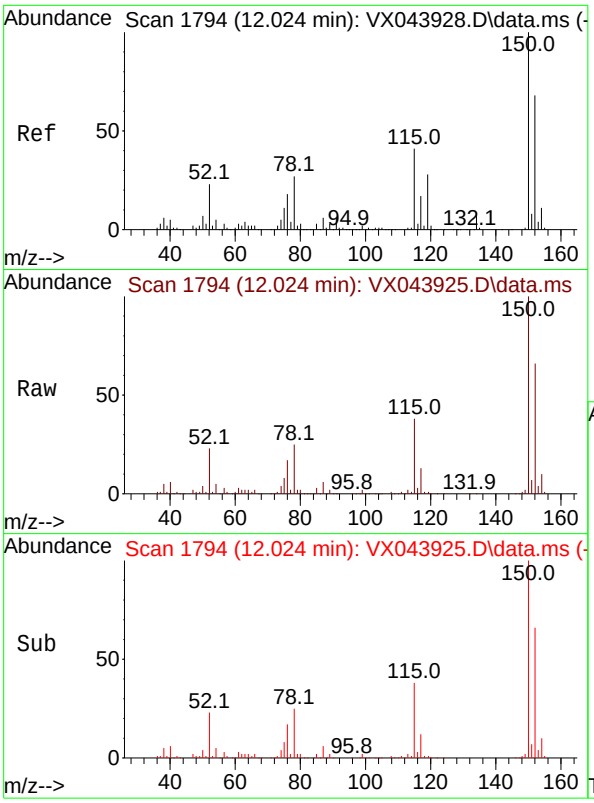


#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:173 Resp: 632

Ion	Ratio	Lower	Upper
173	100		
175	57.1	24.1	72.2
254	0.0	0.0	0.0

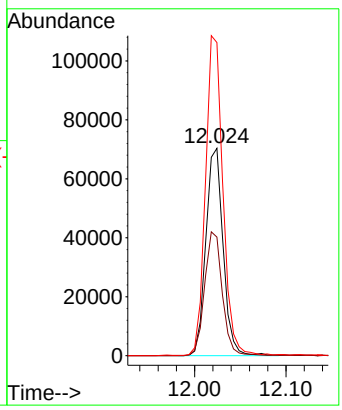




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 9285

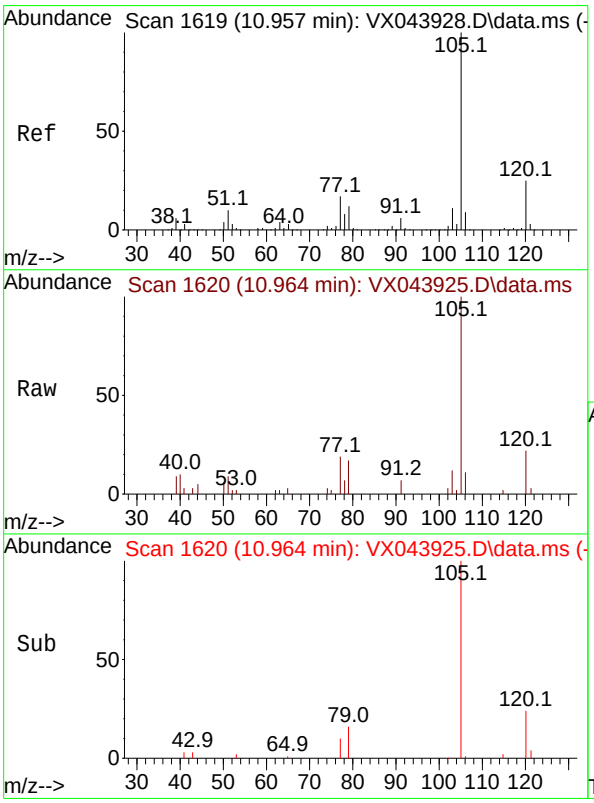
Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.4	136.2
150	154.3	0.0	353.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

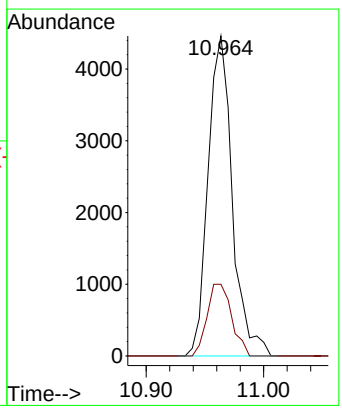
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

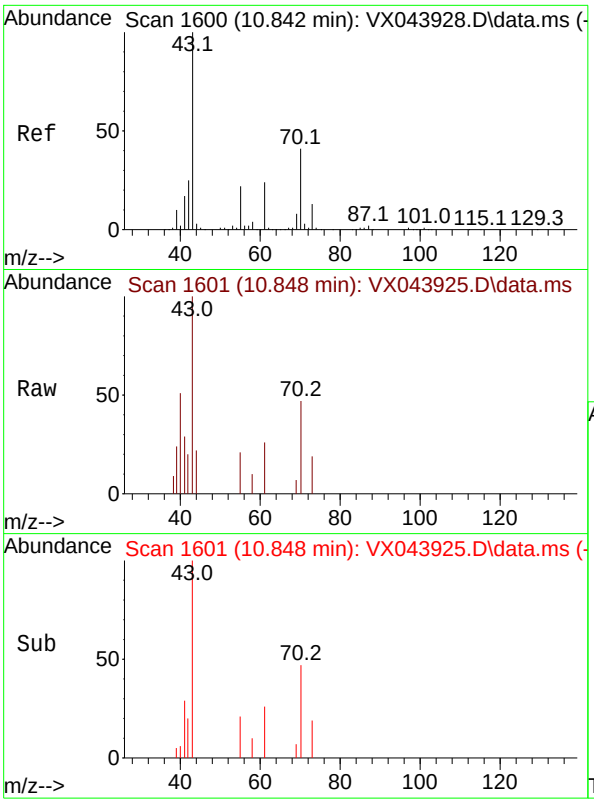


#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 6379

Ion	Ratio	Lower	Upper
105	100		
120	22.8	13.0	38.9

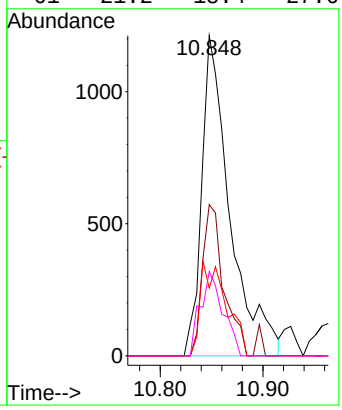




#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 231

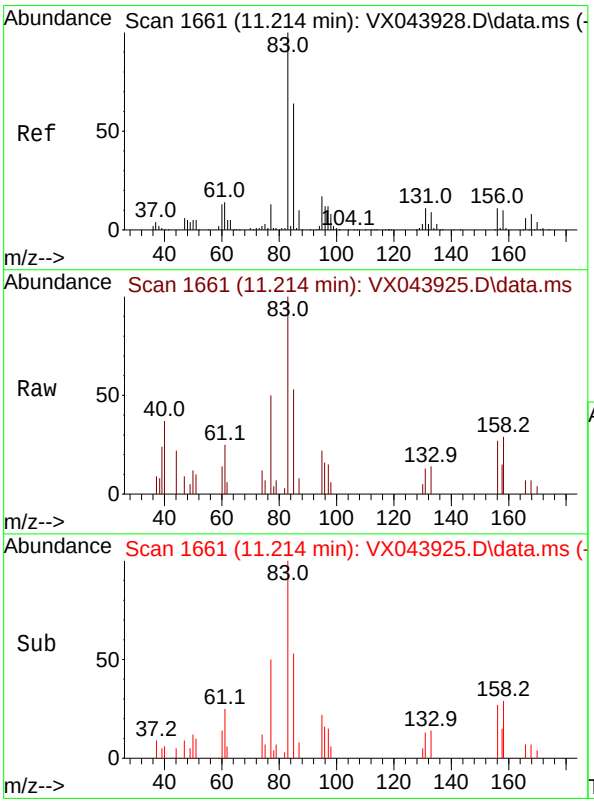
Ion	Ratio	Lower	Upper
43	100		
70	35.9	32.2	48.2
55	26.8	18.1	27.1
61	21.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

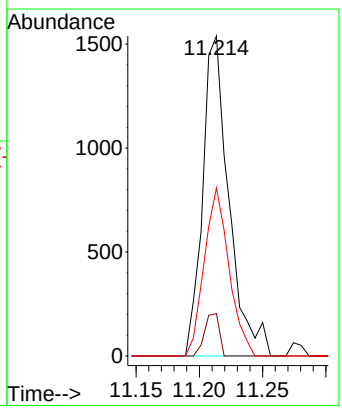
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

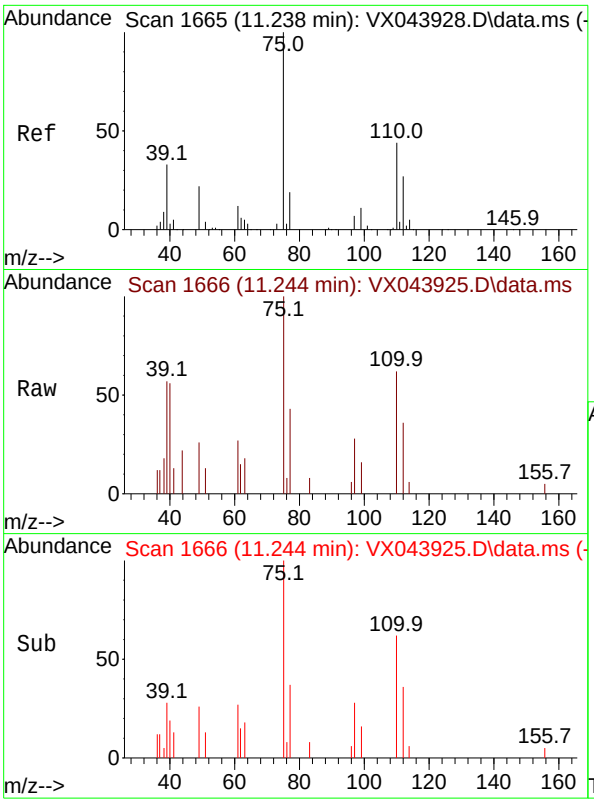


#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.1	15.2
85	49.5	32.2	96.6





#76
1,2,3-Trichloropropane
Concen: 0.801 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

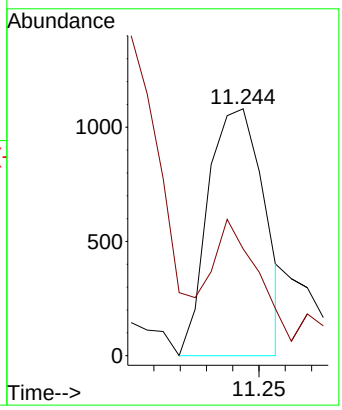
Tgt Ion: 75 Resp: 160

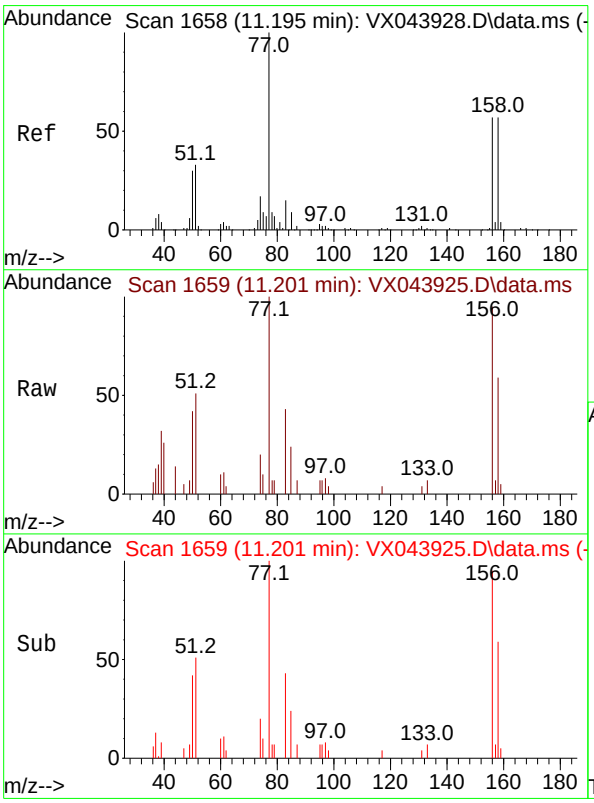
Ion	Ratio	Lower	Upper
75	100		
77	54.3	21.8	65.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

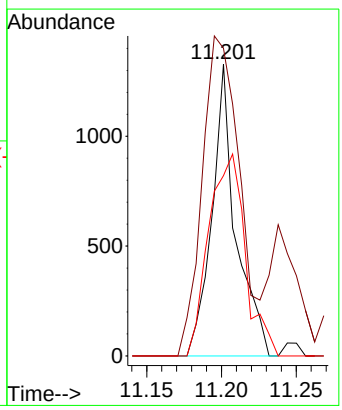


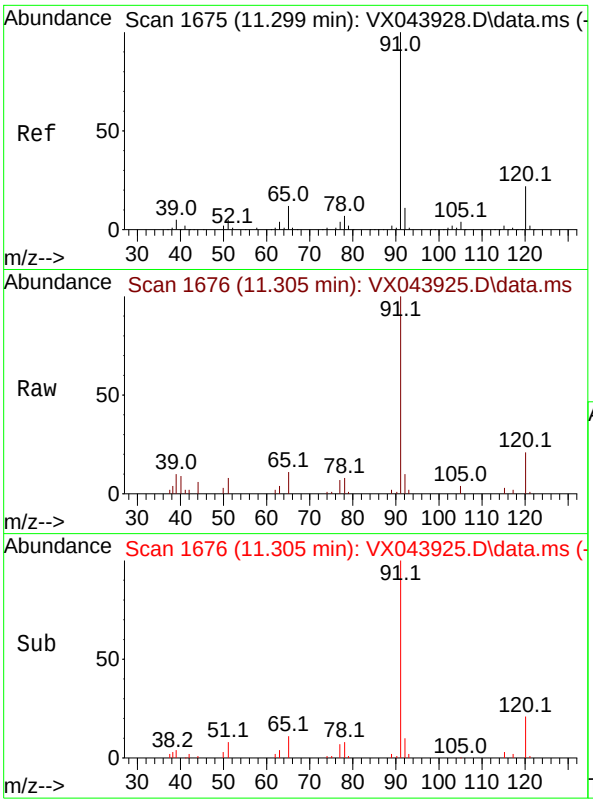


#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:156 Resp: 1475

Ion	Ratio	Lower	Upper
156	100		
77	171.7	83.4	250.1
158	105.1	47.6	142.8





#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

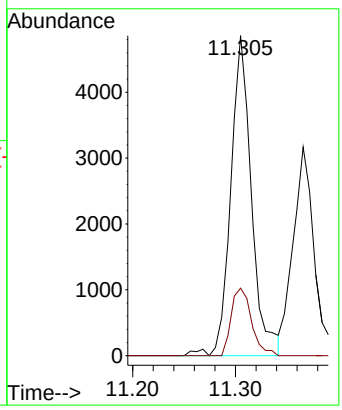
Tgt Ion: 91 Resp: 681

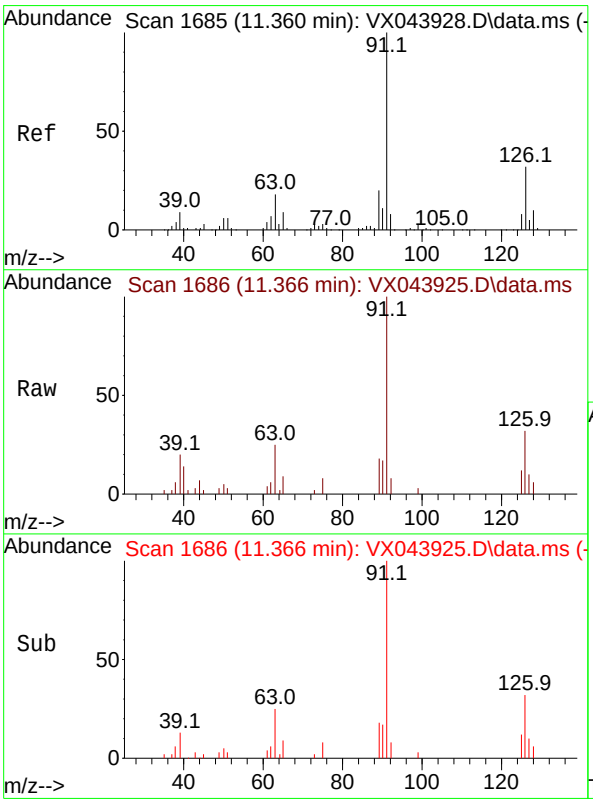
Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

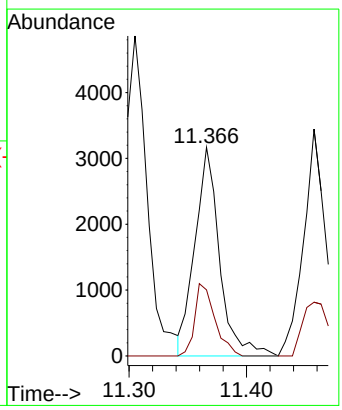


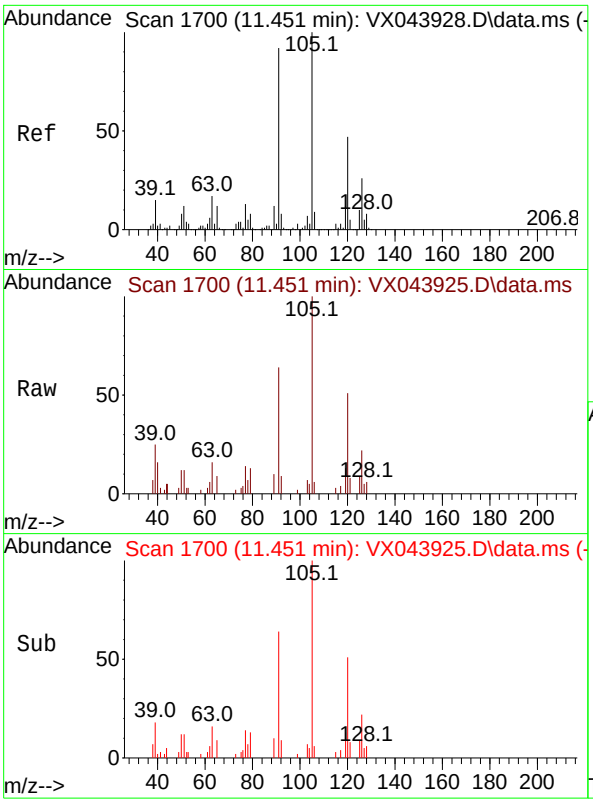


#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4618

Ion	Ratio	Lower	Upper
91	100		
126	28.5	16.6	49.8





#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

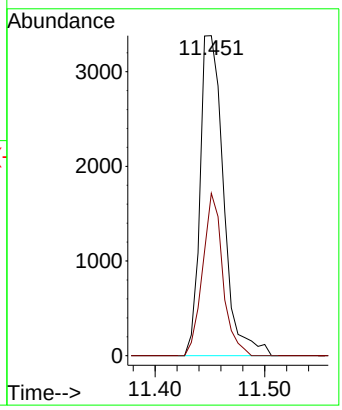
Tgt Ion:105 Resp: 502

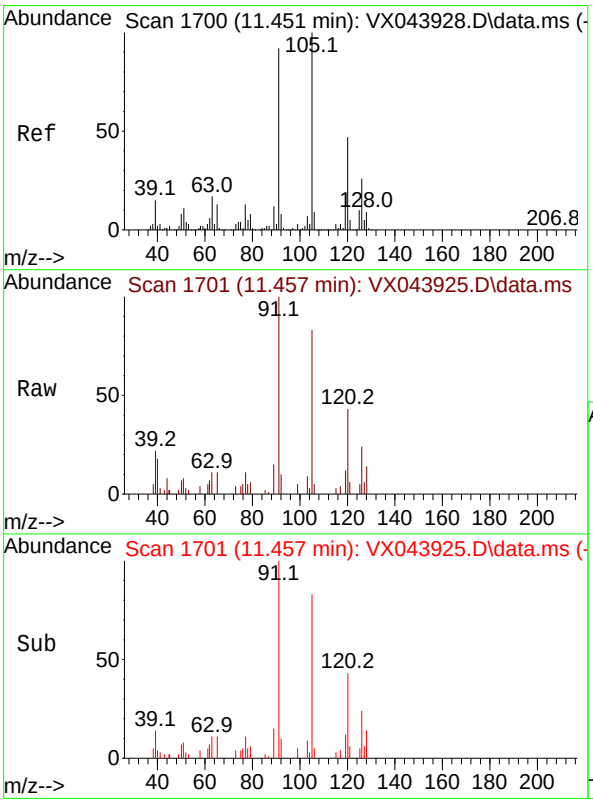
Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.3	69.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

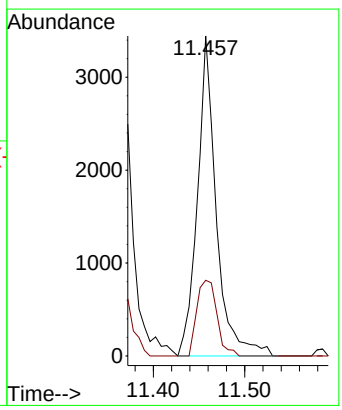


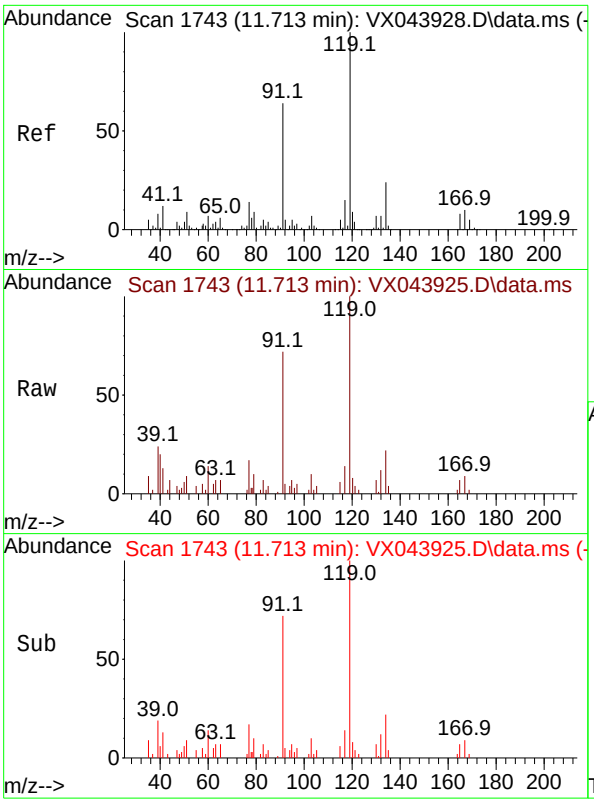


#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.3	42.9

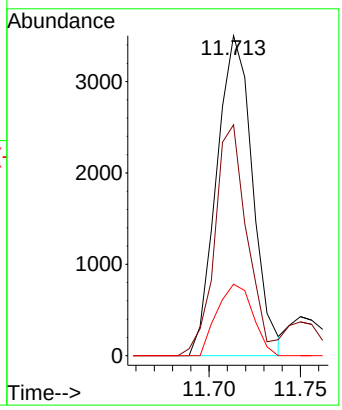




#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 479

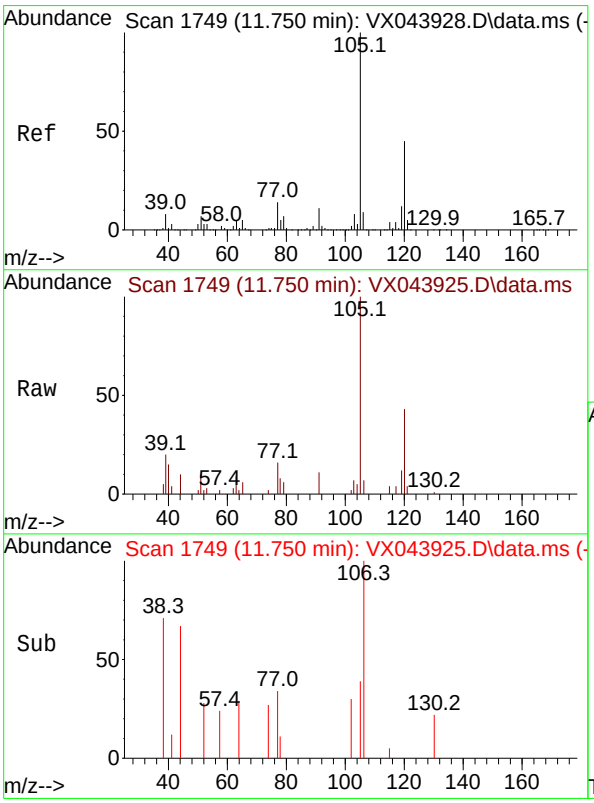
Ion	Ratio	Lower	Upper
119	100		
91	65.8	31.0	93.0
134	22.3	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

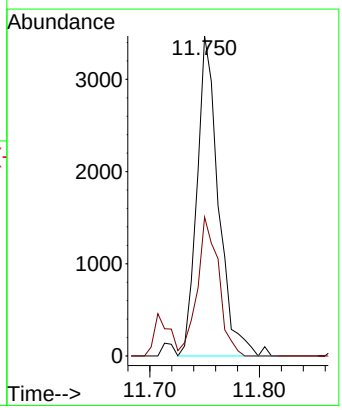
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

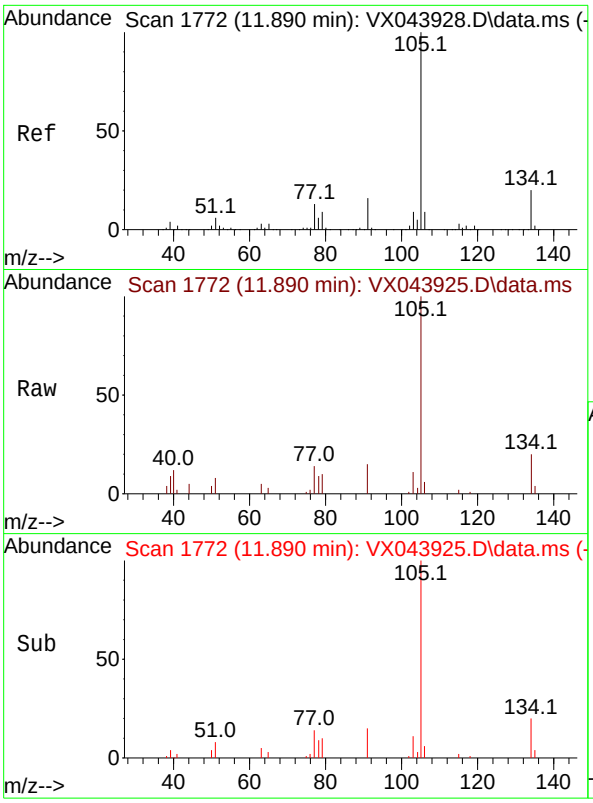


#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7

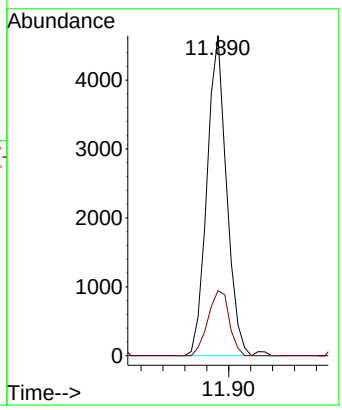




#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 578

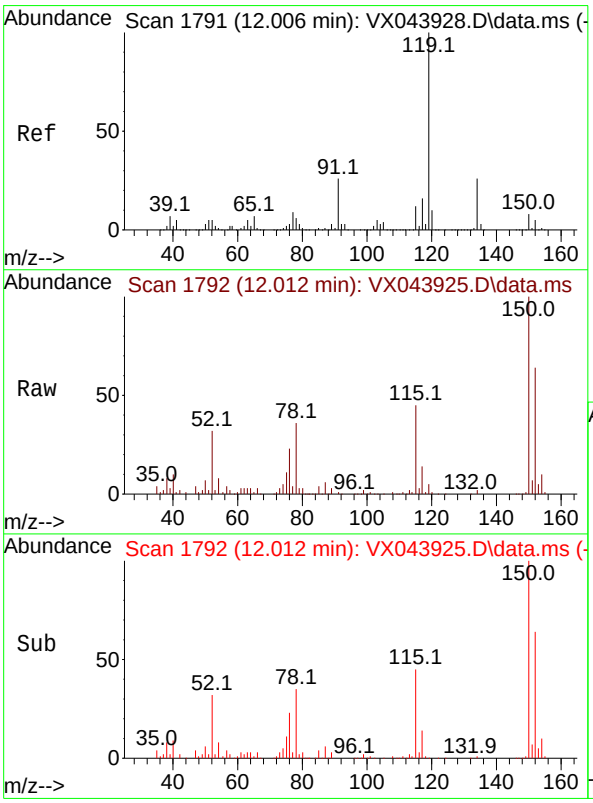
Ion	Ratio	Lower	Upper
105	100		
134	22.0	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

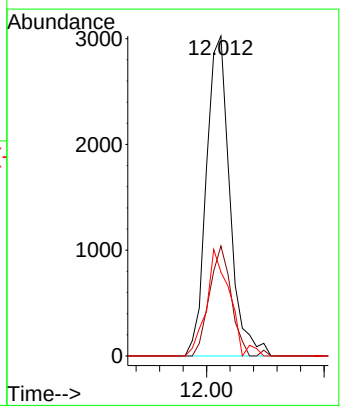
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

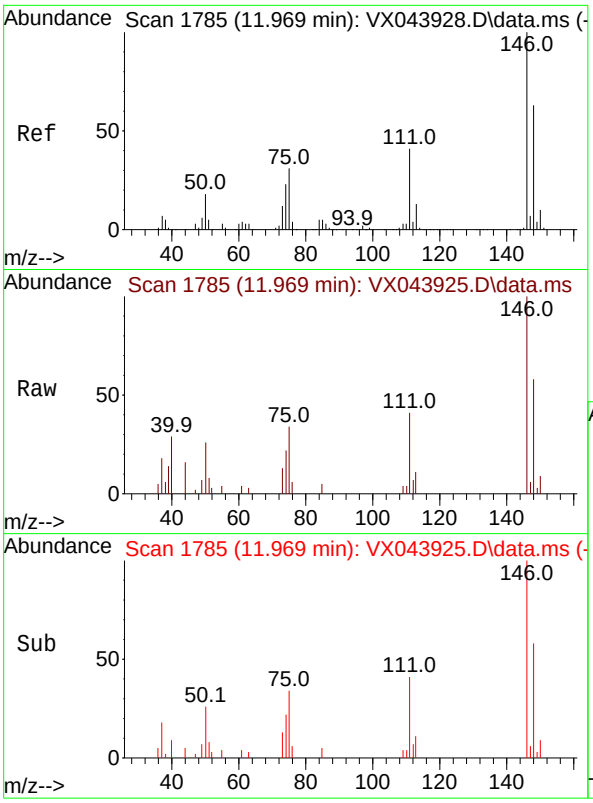


#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.0	38.9
91	33.2	13.0	38.9

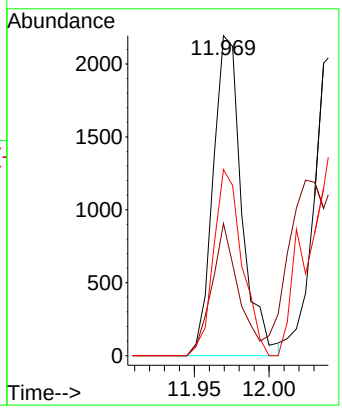




#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 293

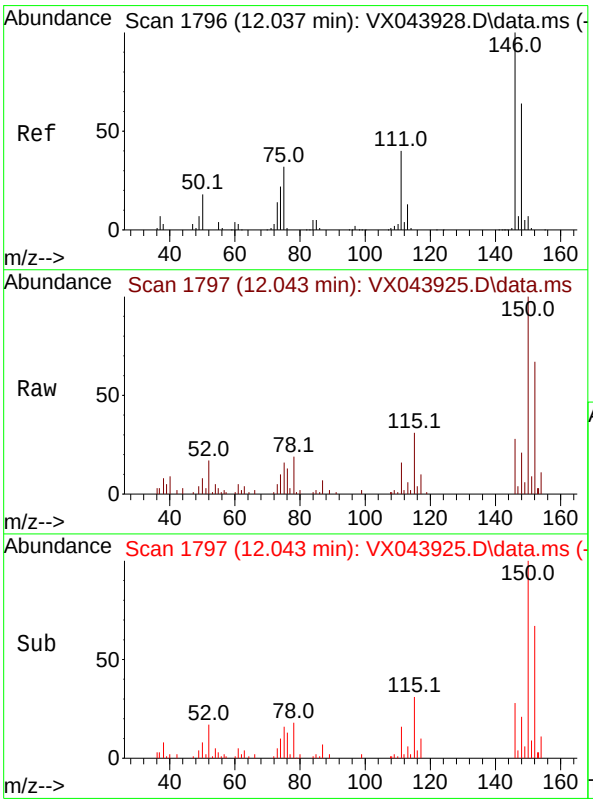
Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.1	63.3
148	57.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

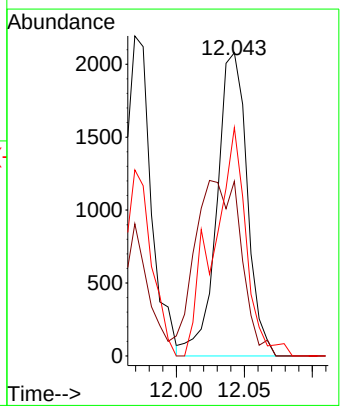
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

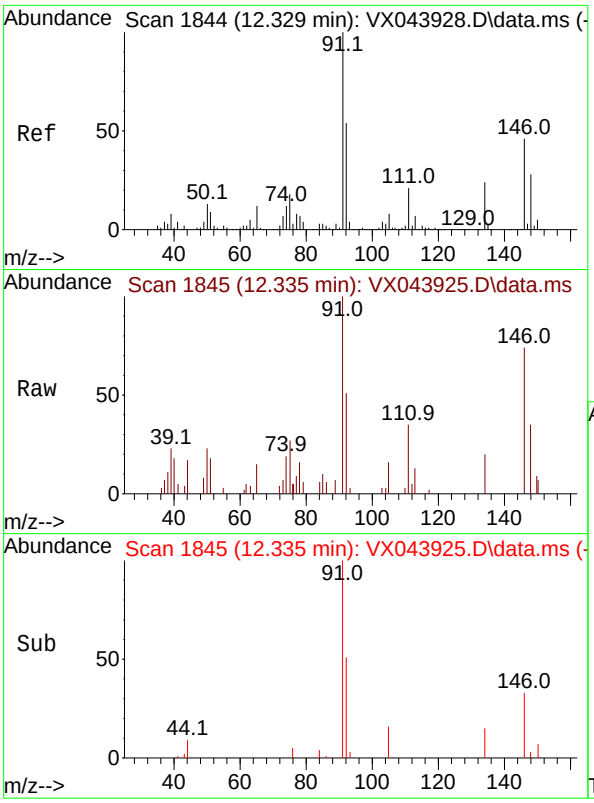


#88
1,4-Dichlorobenzene
Concen: 1.020 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 3212

Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.1	60.3
148	52.6	30.9	92.8

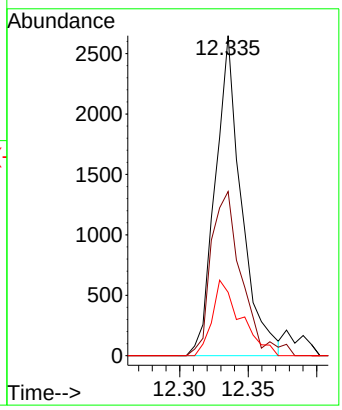




#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 352

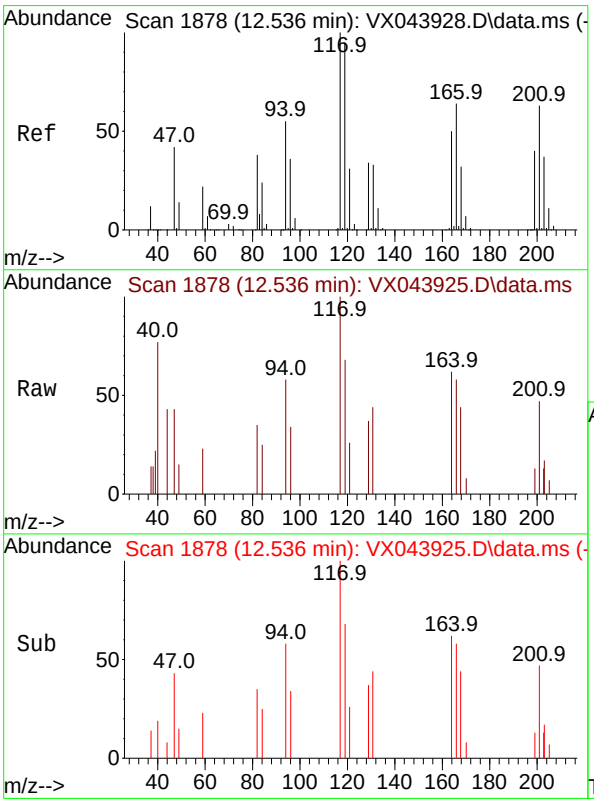
Ion	Ratio	Lower	Upper
91	100		
92	59.8	26.6	79.8
134	25.8	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

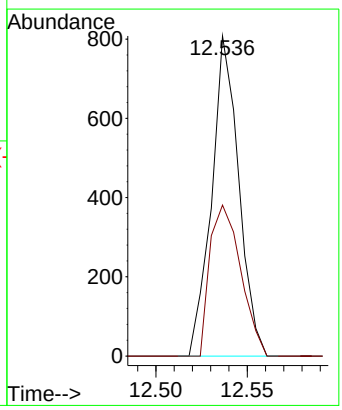
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

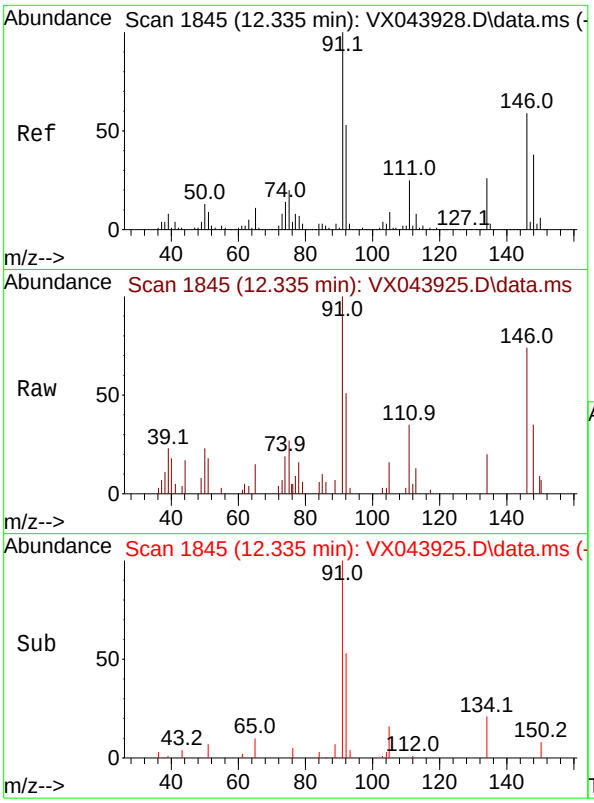


#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

Ion	Ratio	Lower	Upper
117	100		
201	53.7	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

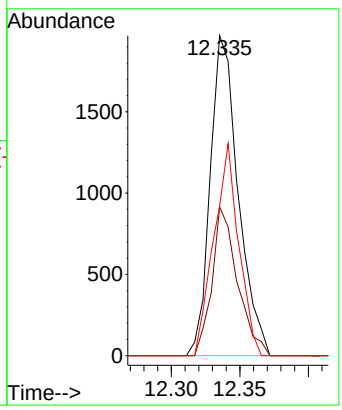
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

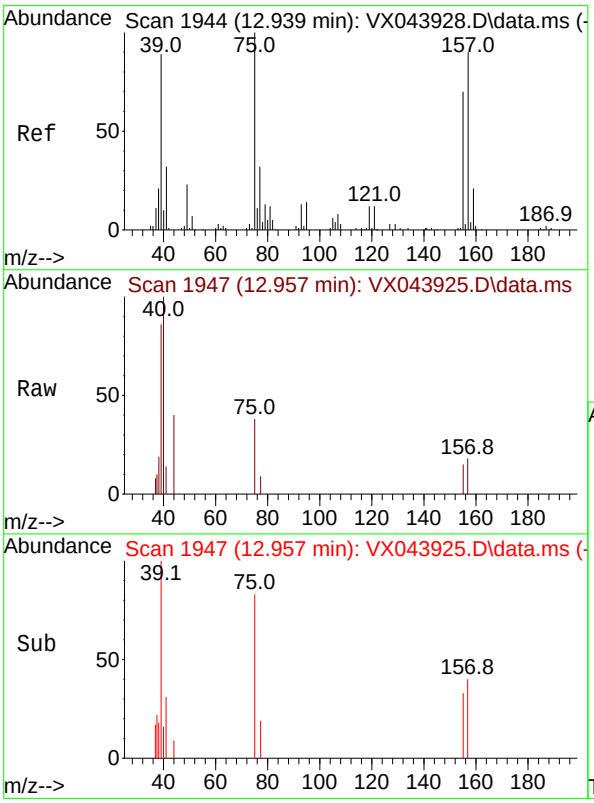
Tgt Ion:146 Resp: 279

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	58.8	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

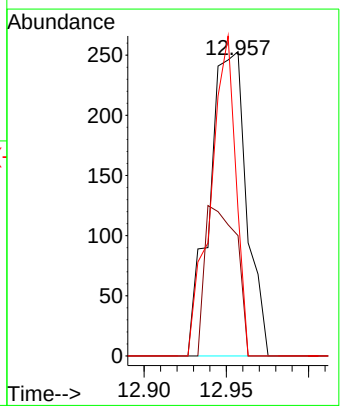


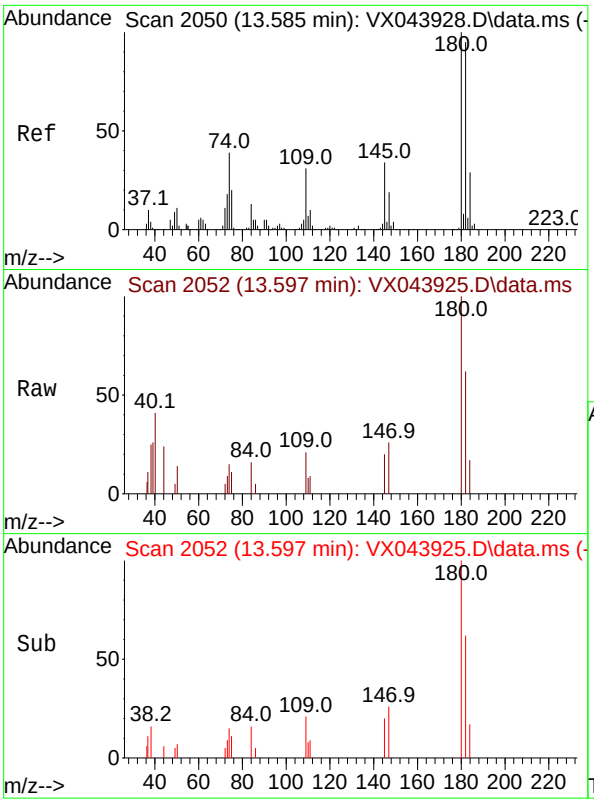


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

Ion	Ratio	Lower	Upper
75	100		
155	42.0	40.1	120.2
157	71.6	49.6	149.0

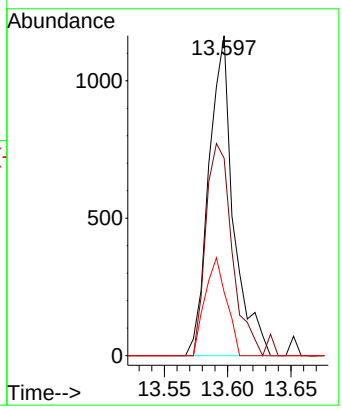




#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 157

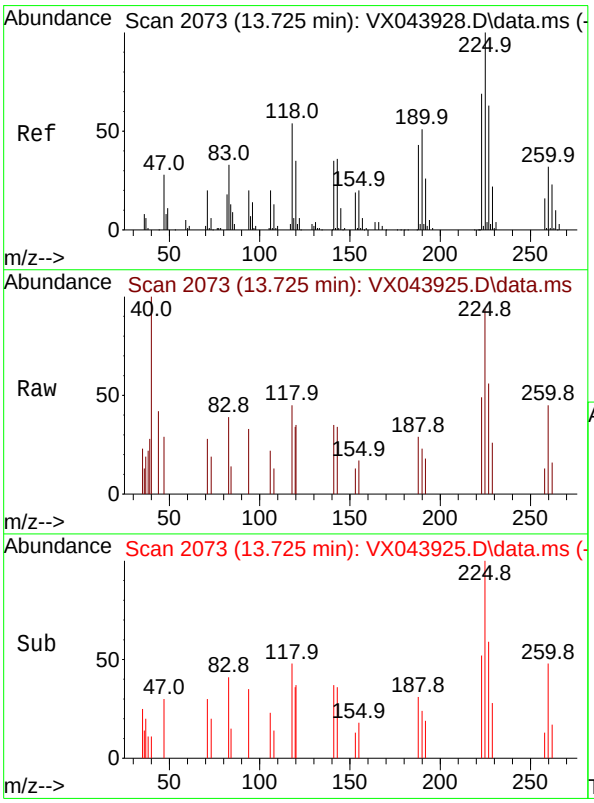
Ion	Ratio	Lower	Upper
180	100		
182	70.6	48.0	144.2
145	26.6	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

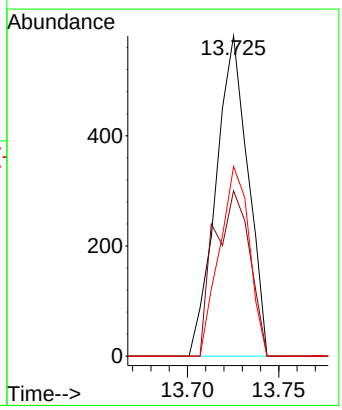
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

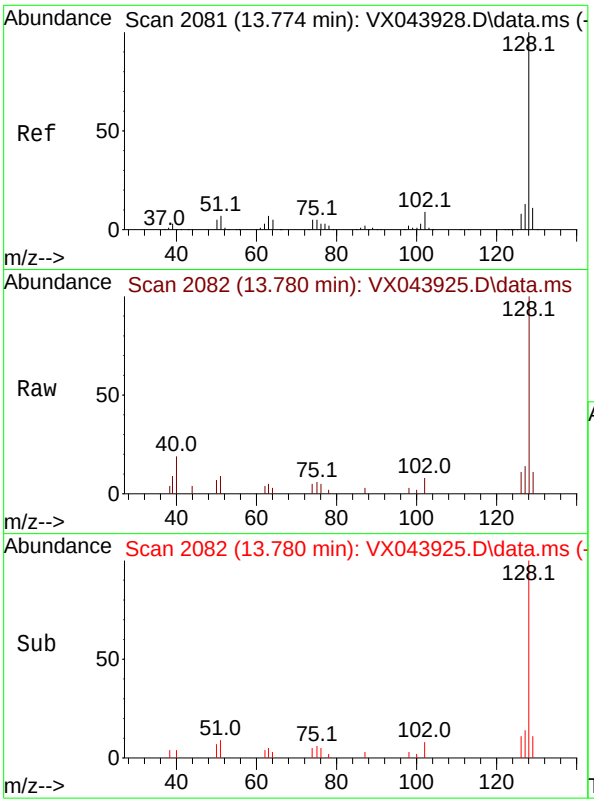


#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

Ion	Ratio	Lower	Upper
225	100		
223	57.1	32.9	98.6
227	55.3	31.6	94.8

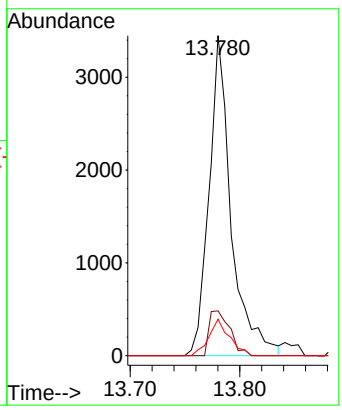




#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:128 Resp: 483

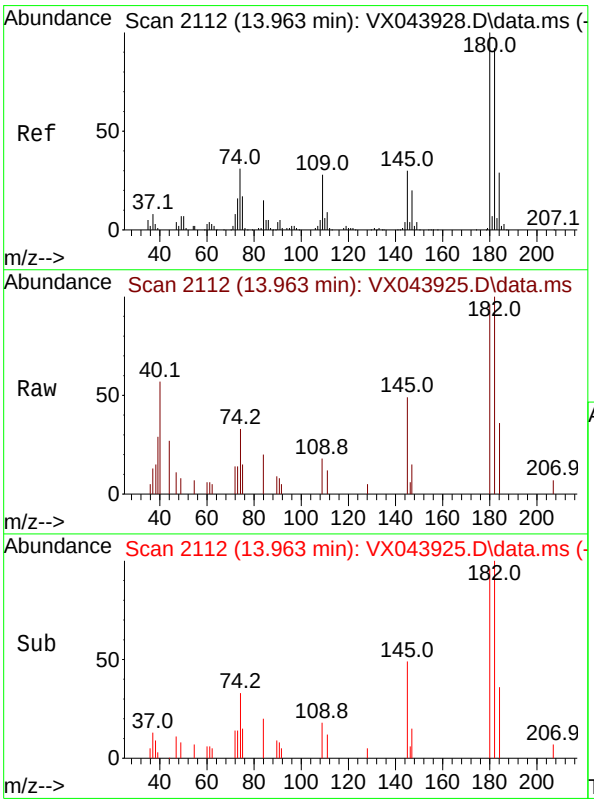
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

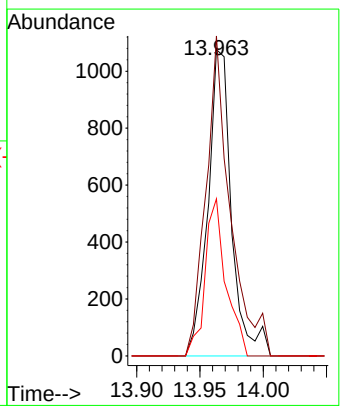
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1398

Ion	Ratio	Lower	Upper
180	100		
182	107.8	45.6	136.8
145	45.3	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.800%#		
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.400%#		
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.780%#		
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.560%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9545	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	9278m	22.349	ug/l	
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	14551m	4.968	ug/l	
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.907	ug/l	#	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901	ug/l		99
43) Isopropyl Acetate	6.348	43	22267	4.777	ug/l		99
44) Trichloroethene	7.128	130	9852	4.736	ug/l		92
45) 1,2-Dichloropropane	7.427	63	8525	4.736	ug/l		91
46) Dibromomethane	7.586	93	6372	4.475	ug/l		93
47) Bromodichloromethane	7.823	83	11249	4.405	ug/l		96
48) Methyl methacrylate	7.695	41	10190	4.556	ug/l		95
49) 1,4-Dioxane	7.677	88	4090m	106.070	ug/l		
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556	ug/l		97
52) Toluene	8.714	92	22218	5.051	ug/l		96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292	ug/l		94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957	ug/l		94
56) Ethyl methacrylate	9.116	69	12381	4.378	ug/l		96
57) 1,3-Dichloropropane	9.311	76	15211	4.973	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673	ug/l		100
59) 2-Hexanone	9.433	43	52072	24.357	ug/l		100
60) Dibromochloromethane	9.518	129	7738	4.247	ug/l		99
61) 1,2-Dibromoethane	9.610	107	8985	4.894	ug/l		98
64) Tetrachloroethene	9.274	164	7642	5.185	ug/l		93
65) Chlorobenzene	10.079	112	24792	5.050	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661	ug/l		96
67) Ethyl Benzene	10.195	91	40927	4.920	ug/l		95
68) m/p-Xylenes	10.305	106	29635	9.553	ug/l		99
69) o-Xylene	10.640	106	14856	4.905	ug/l		98
70) Styrene	10.658	104	22907	4.573	ug/l		97
71) Bromoform	10.799	173	4476	5.004	ug/l	#	99
73) Isopropylbenzene	10.957	105	37958	5.109	ug/l		99
74) N-amyl acetate	10.841	43	15928	4.627	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	12040m	5.776	ug/l		
77) Bromobenzene	11.195	156	9259	5.224	ug/l		97
78) n-propylbenzene	11.305	91	39774	4.793	ug/l		98
79) 2-Chlorotoluene	11.366	91	26740	5.096	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l	#	77
82) 4-Chlorotoluene	11.451	91	29049	4.903	ug/l		96
83) tert-Butylbenzene	11.713	119	29934	4.940	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040	ug/l		97
85) sec-Butylbenzene	11.890	105	37899	5.105	ug/l		96
86) p-Isopropyltoluene	12.006	119	29412	4.878	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831	ug/l		89
89) n-Butylbenzene	12.335	91	24938	4.691	ug/l		99
90) Hexachloroethane	12.536	117	4279	4.173	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814	ug/l		85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553	ug/l		98
94) Hexachlorobutadiene	13.725	225	3713	4.891	ug/l		97
95) Naphthalene	13.774	128	32485	4.698	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

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

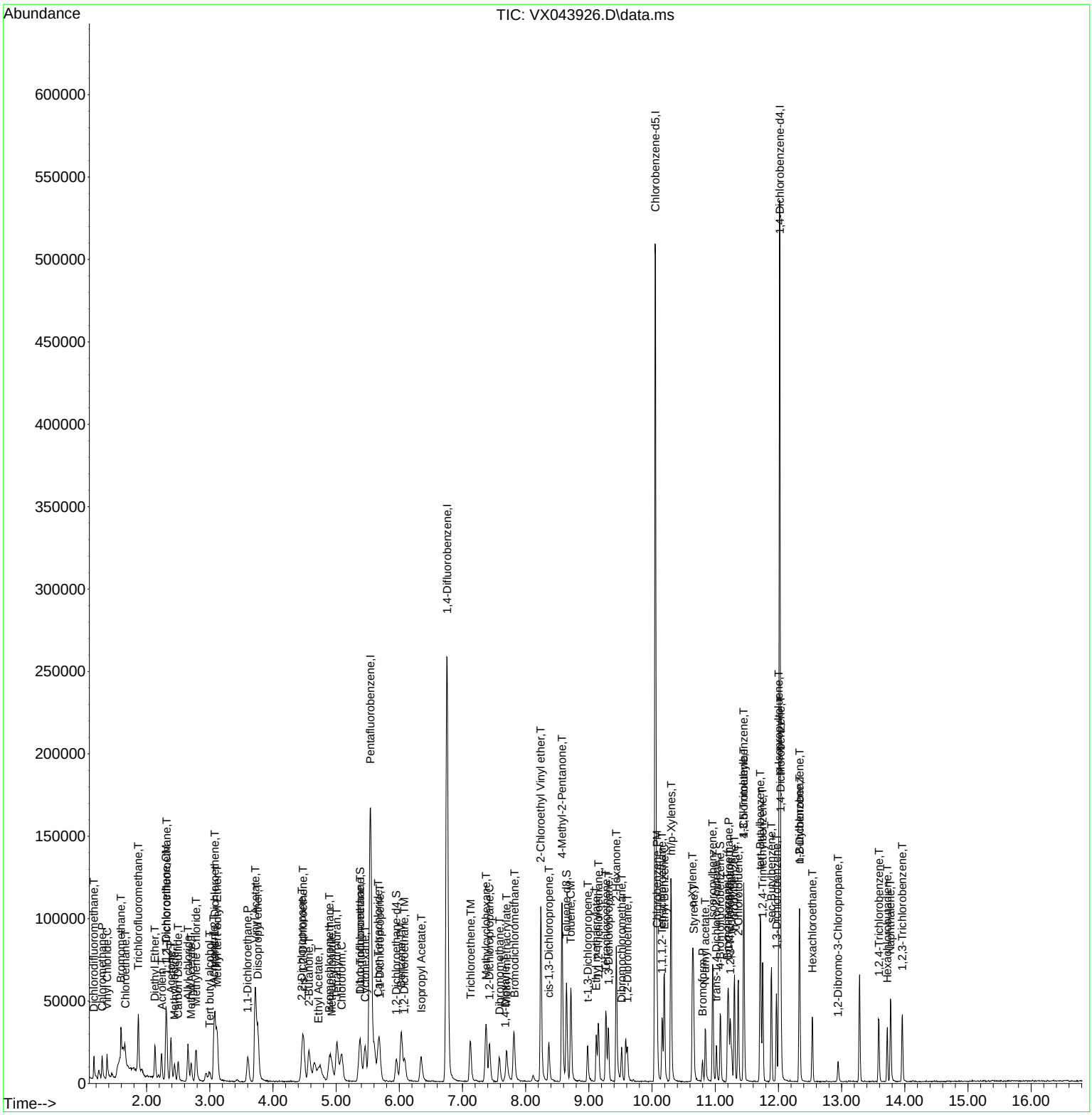
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

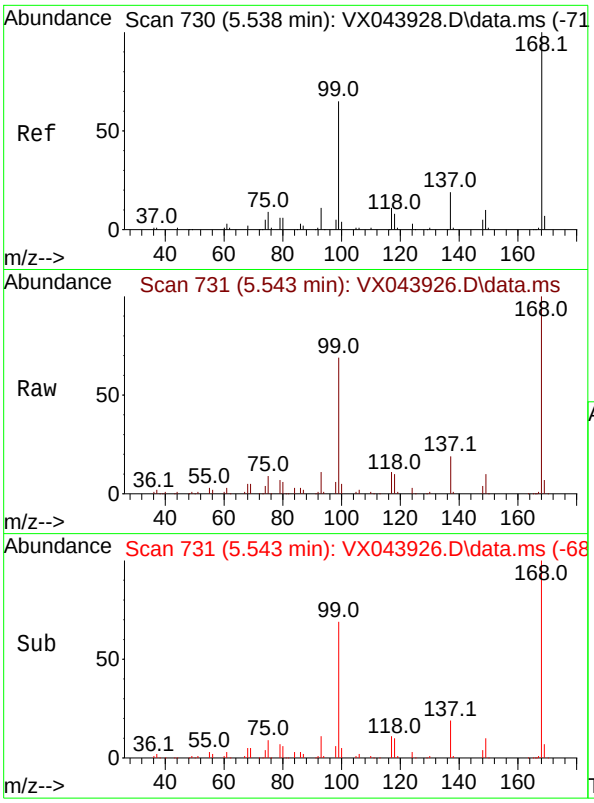
Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

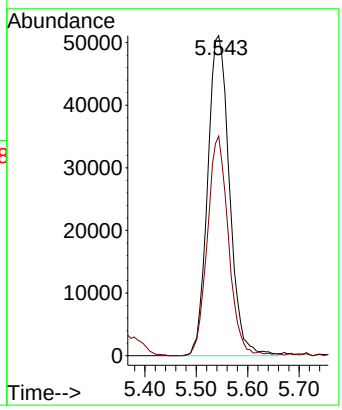




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:168 Resp: 15079

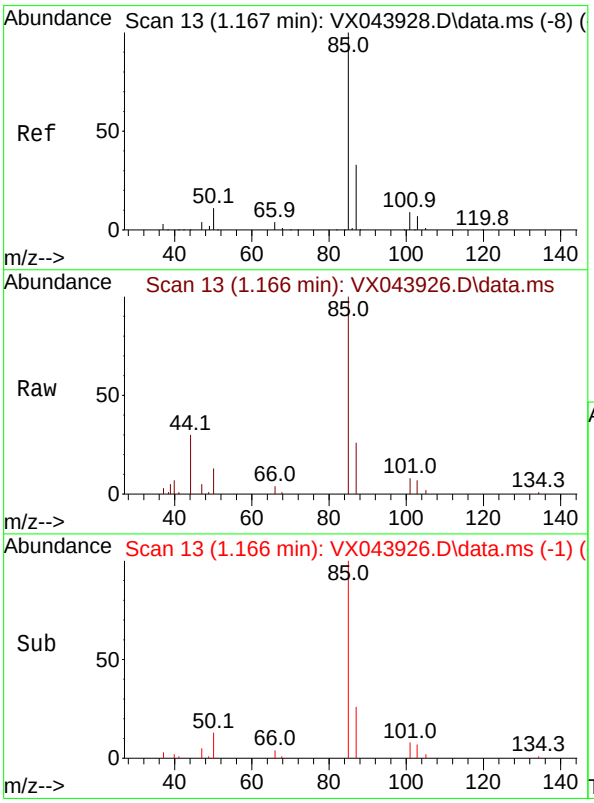
Ion	Ratio	Lower	Upper
168	100		
99	68.6	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

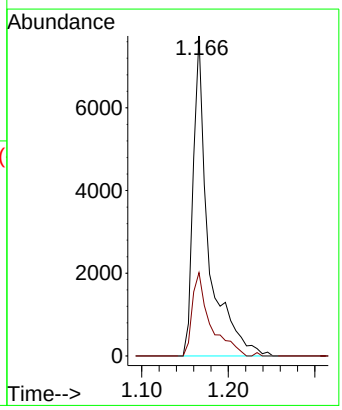
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

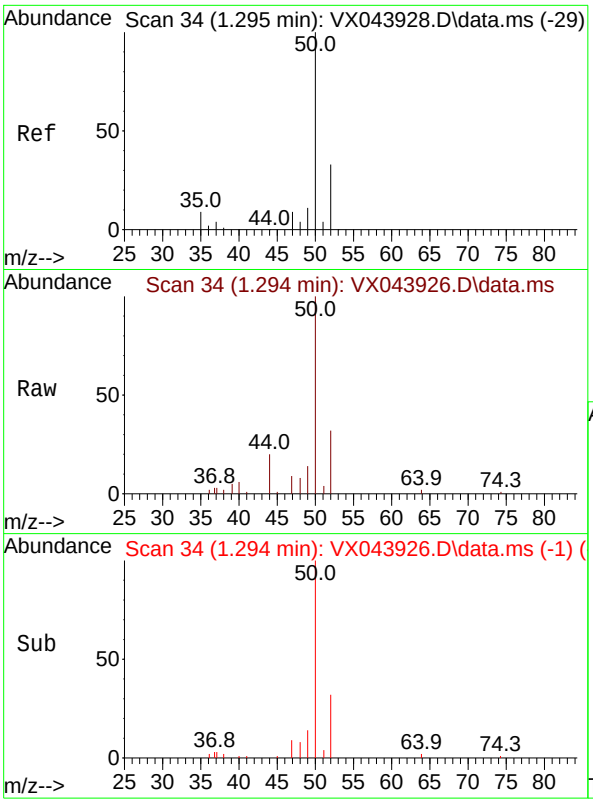


#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

Ion	Ratio	Lower	Upper
85	100		
87	26.0	16.6	49.8

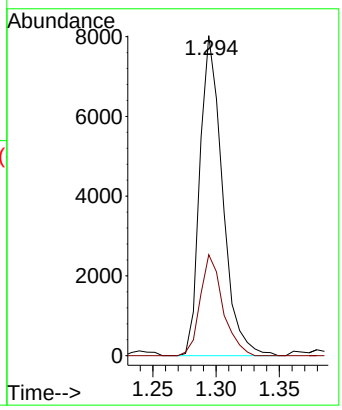




#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 50 Resp: 998

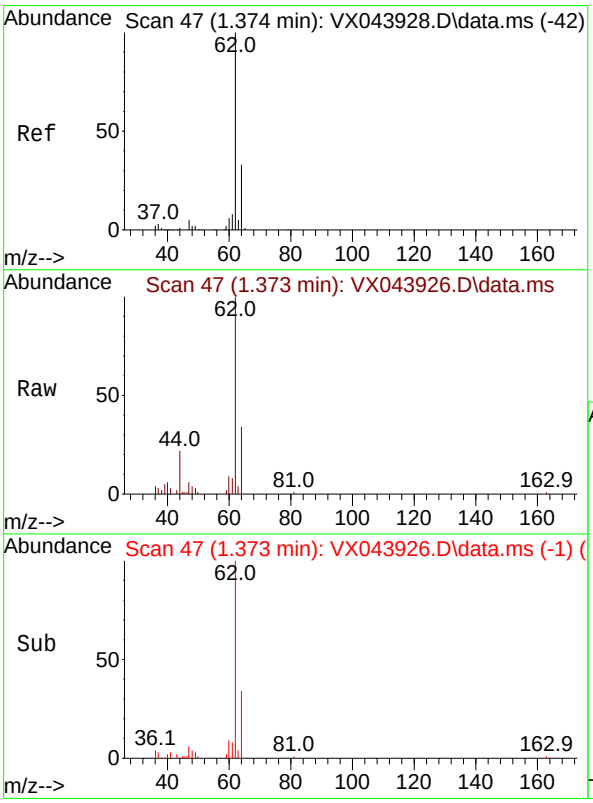
Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

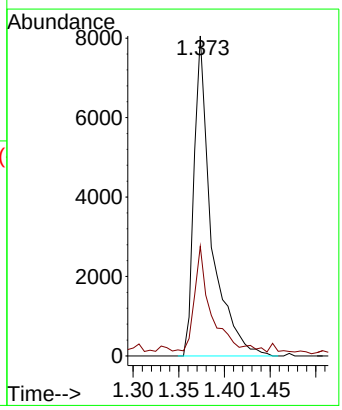
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

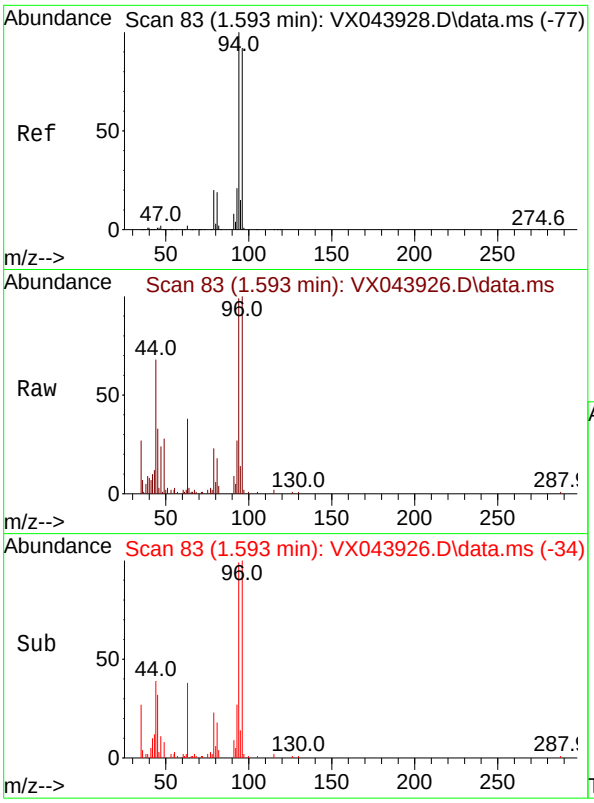


#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4





#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

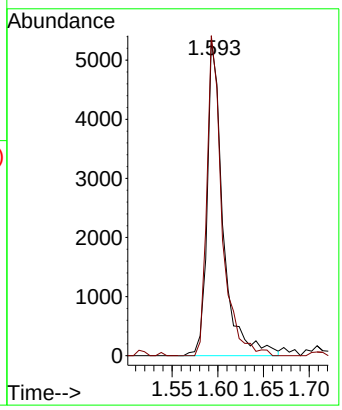
Tgt Ion: 94 Resp: 641

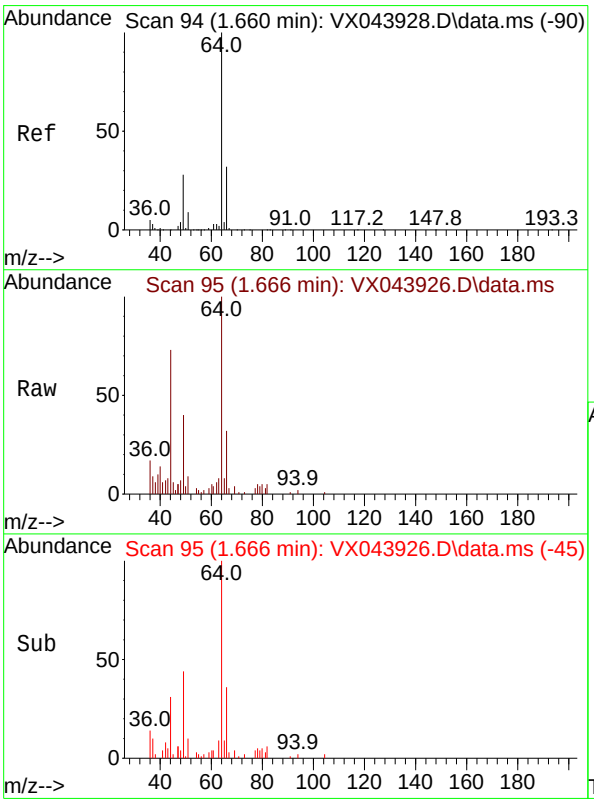
Ion	Ratio	Lower	Upper
94	100		
96	101.5	73.9	110.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

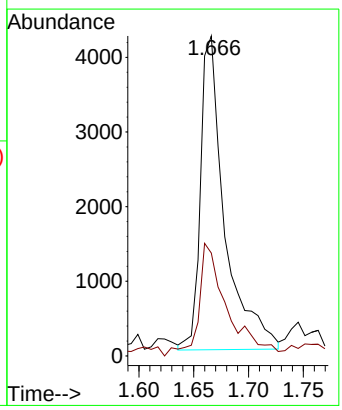


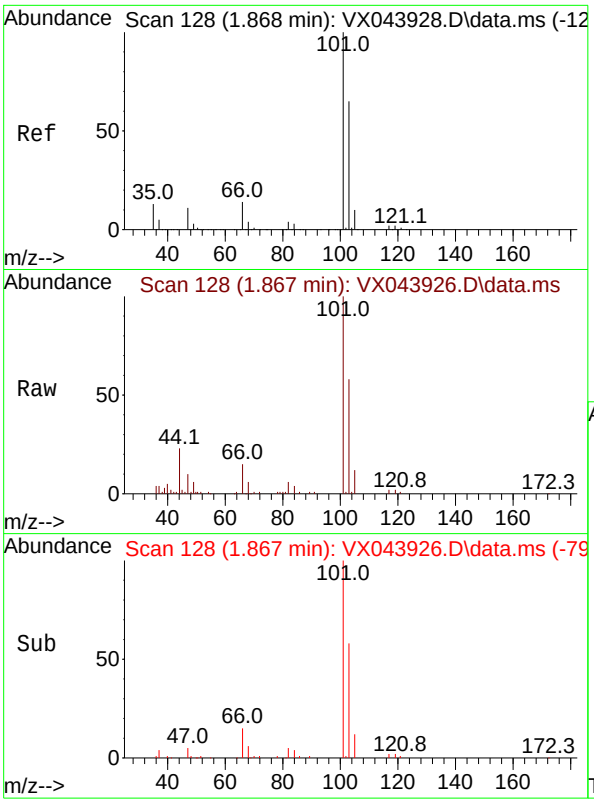


#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.9	38.9

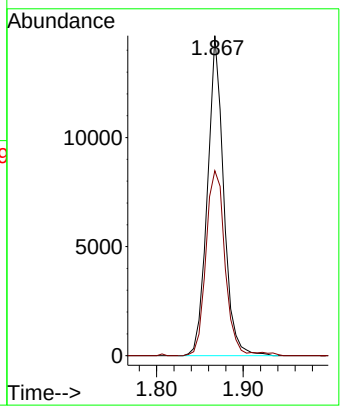




#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:101 Resp: 1909

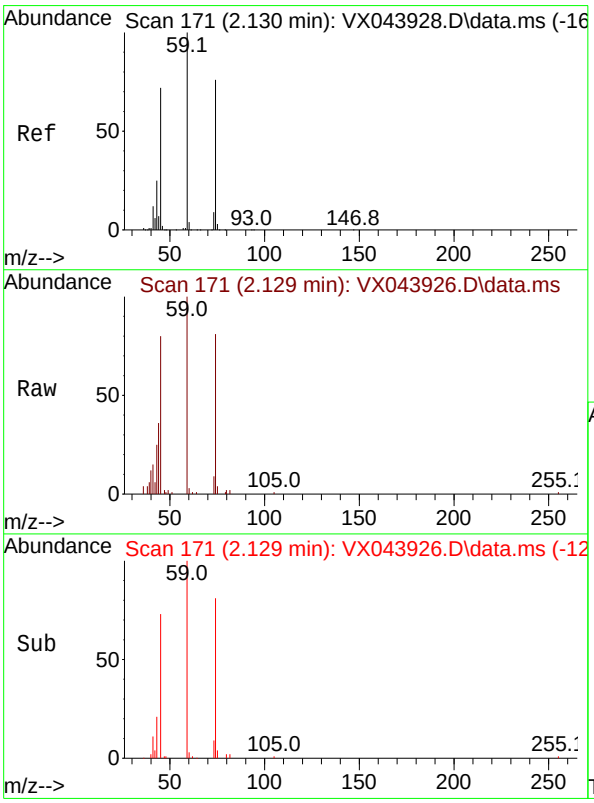
Ion	Ratio	Lower	Upper
101	100		
103	57.8	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

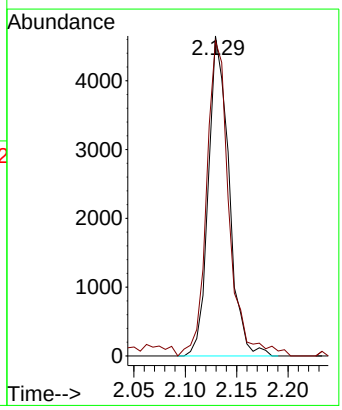
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

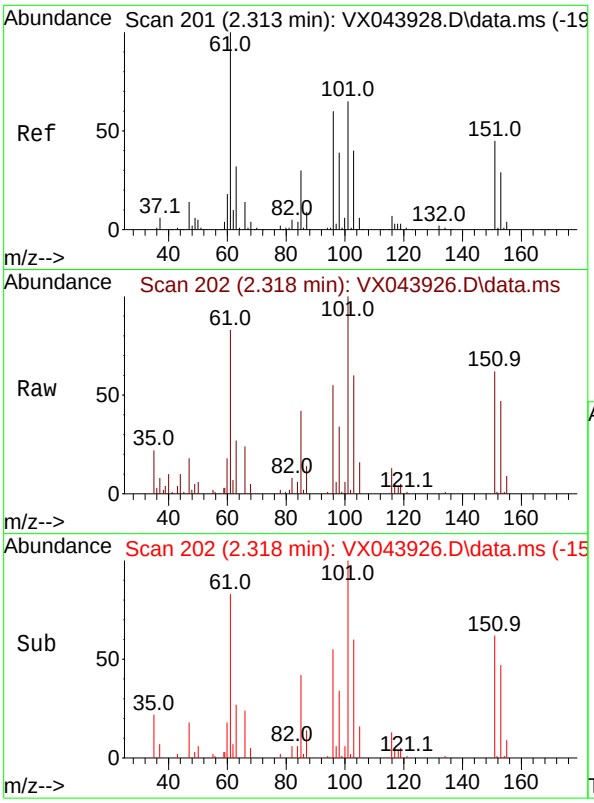


#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

Ion	Ratio	Lower	Upper
74	100		
45	106.9	47.9	143.6

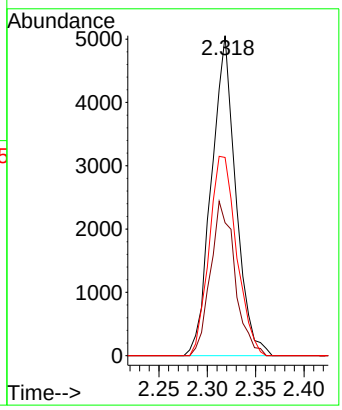




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:101 Resp: 882

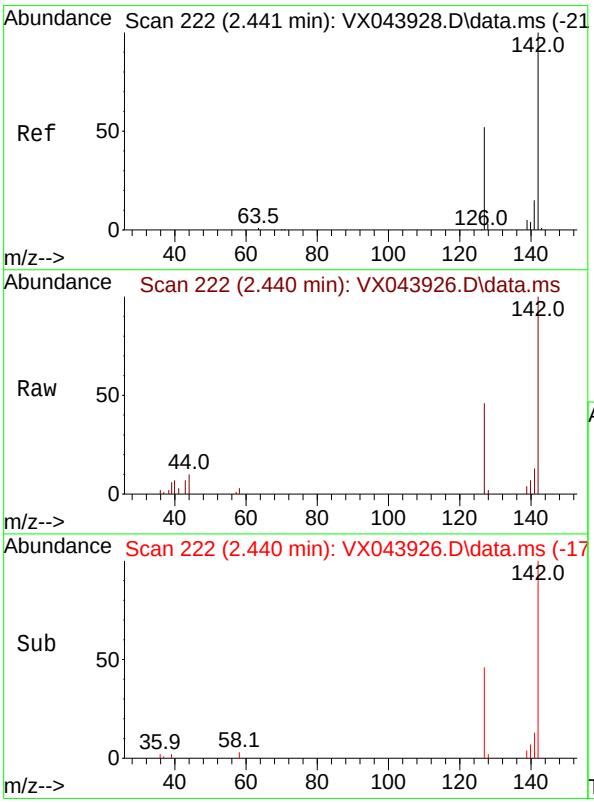
Ion	Ratio	Lower	Upper
101	100		
85	48.4	37.9	56.9
151	70.3	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

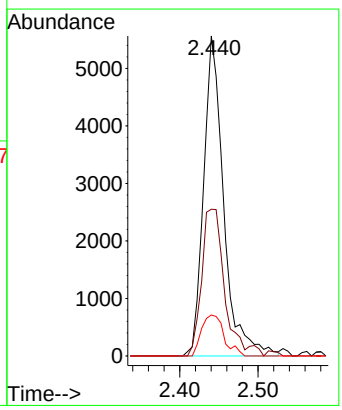
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

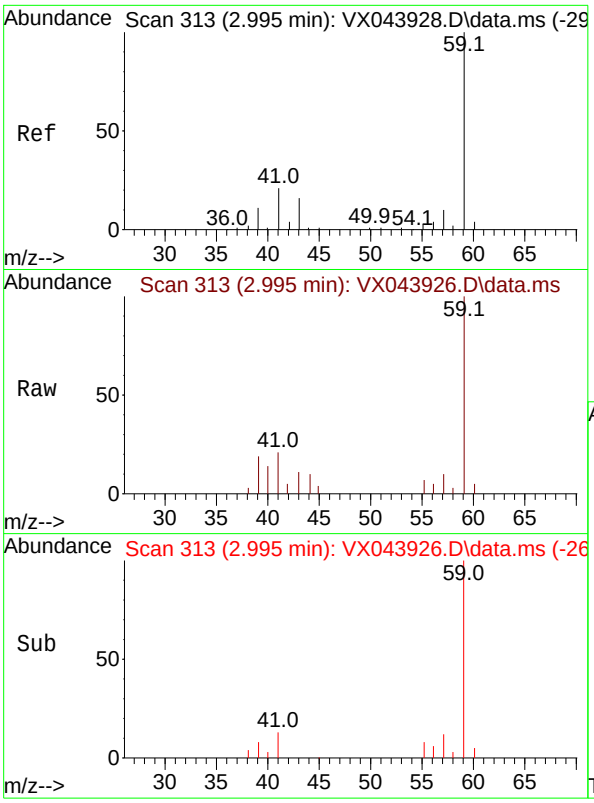


#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.4	12.0	18.0

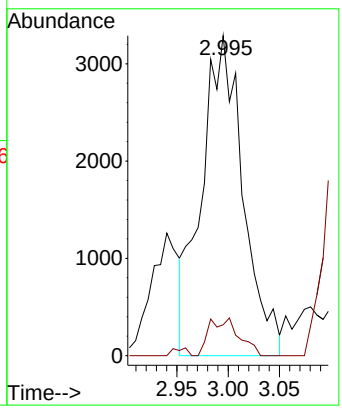




#11
Tert butyl alcohol
Concen: 22.349 ug/l m
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 59 Resp: 927

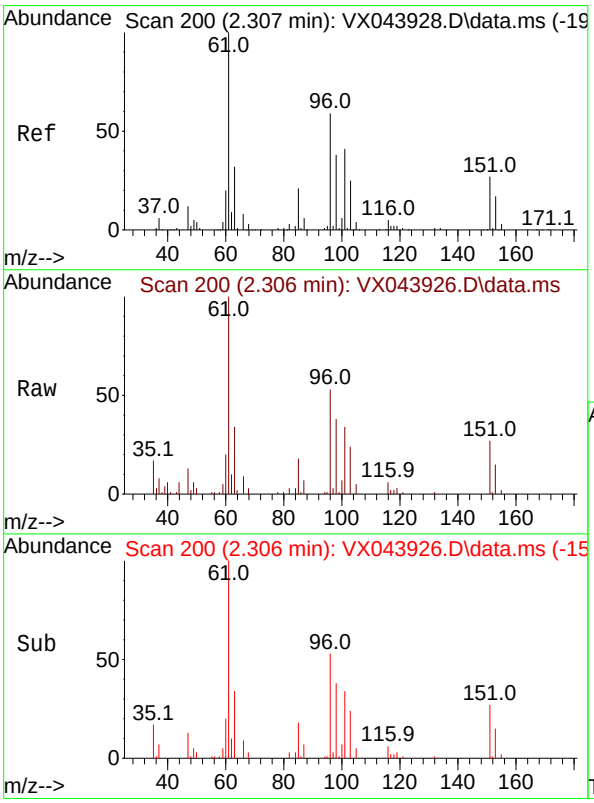
Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

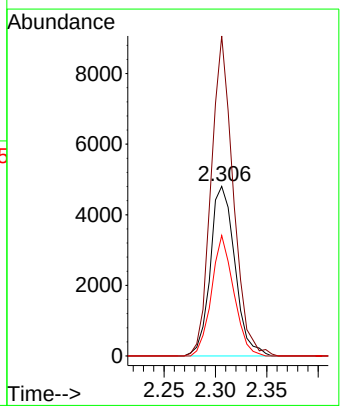
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

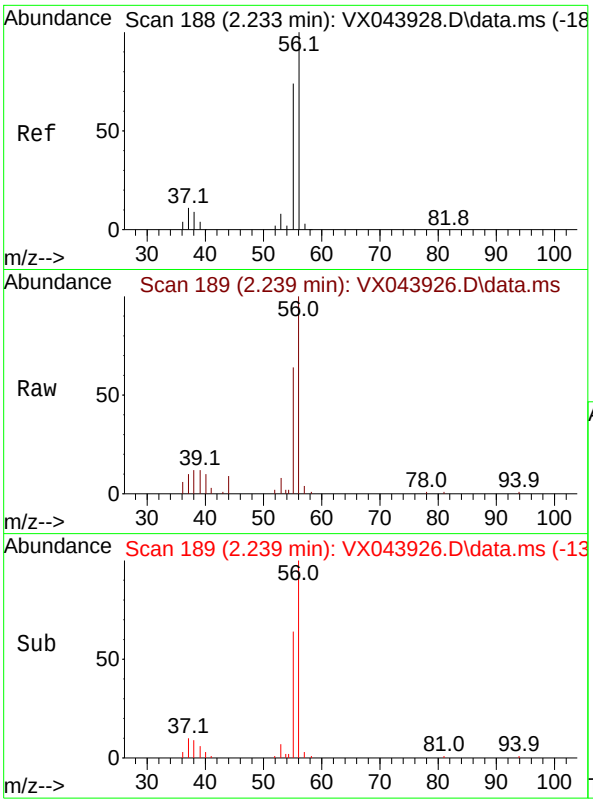


#12
1,1-Dichloroethene
Concen: 4.597 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

Ion	Ratio	Lower	Upper
96	100		
61	188.7	135.5	203.3
98	71.1	50.8	76.2

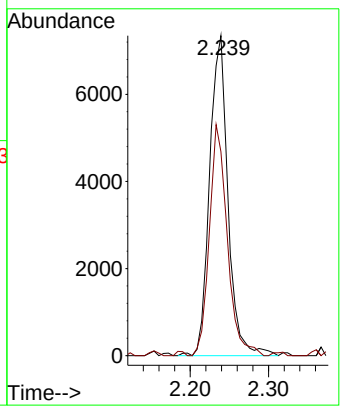




#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 56 Resp: 1194

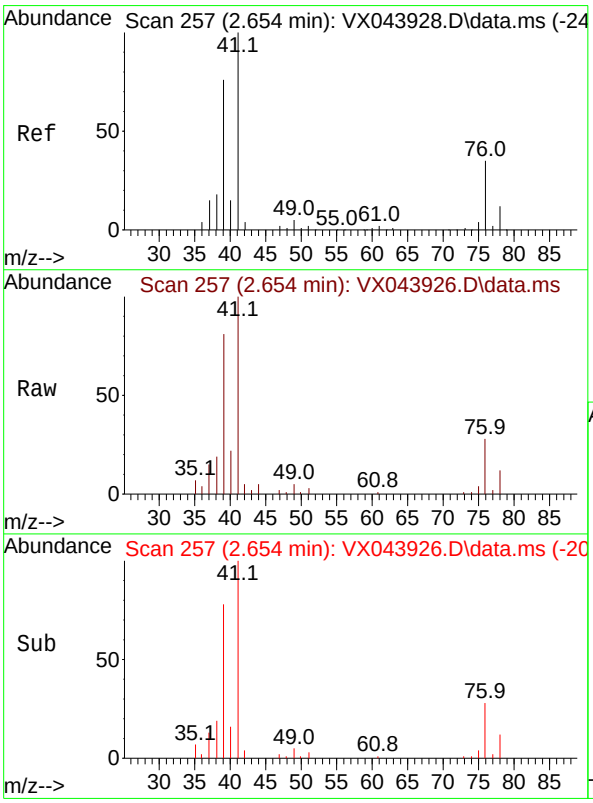
Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

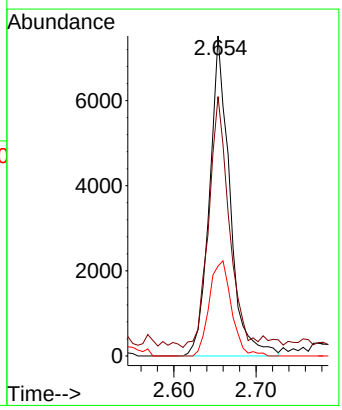
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

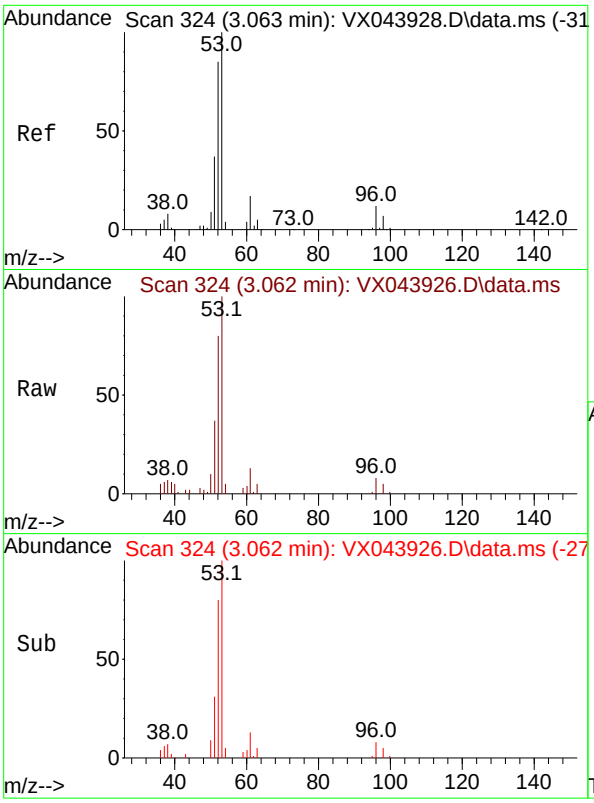


#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	32.4	27.4	41.2





#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

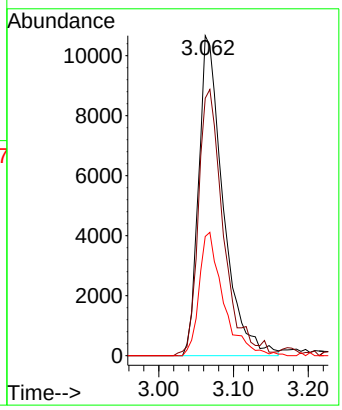
Tgt Ion: 53 Resp: 2429

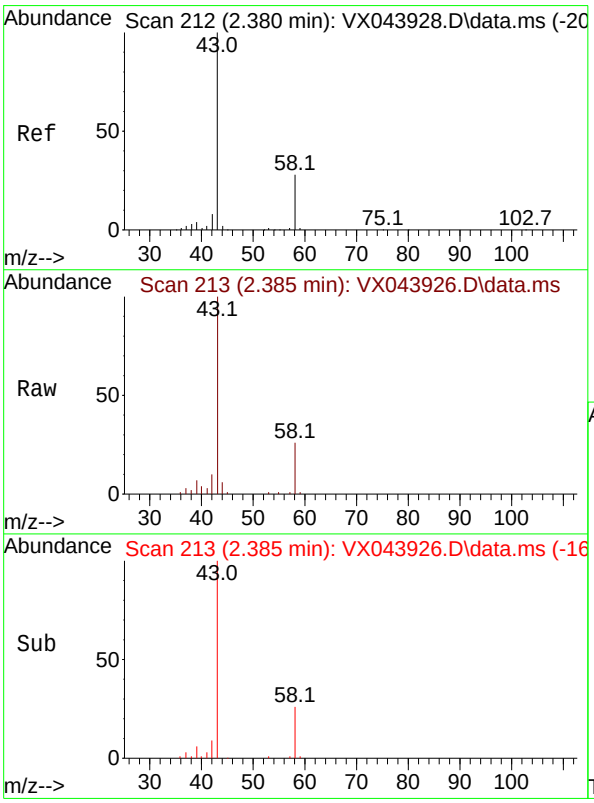
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.5	99.7
51	38.0	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

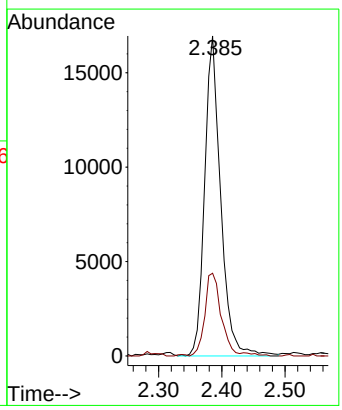


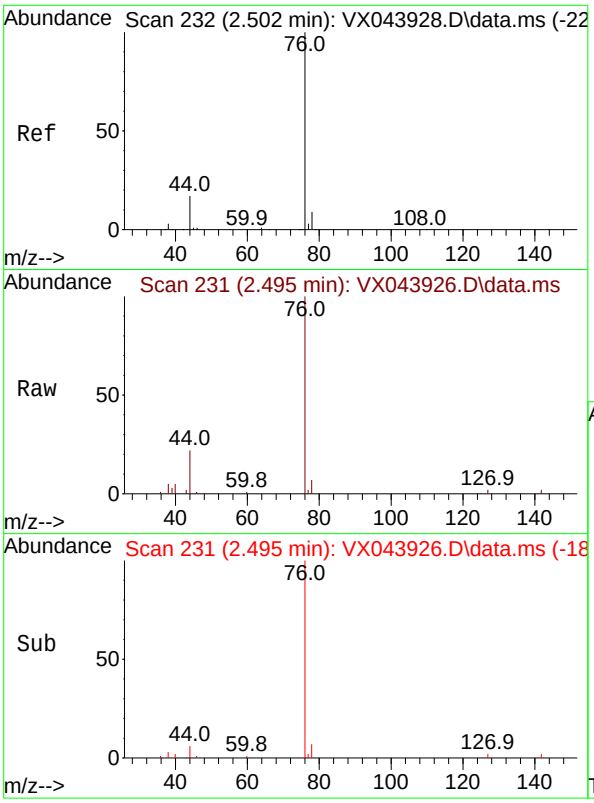


#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1





#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

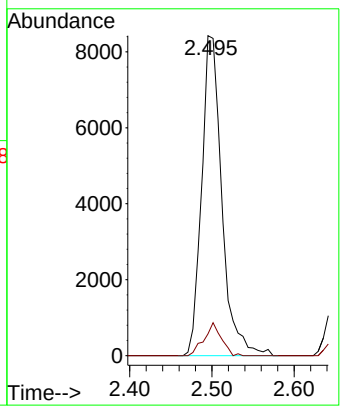
Tgt Ion: 76 Resp: 1441

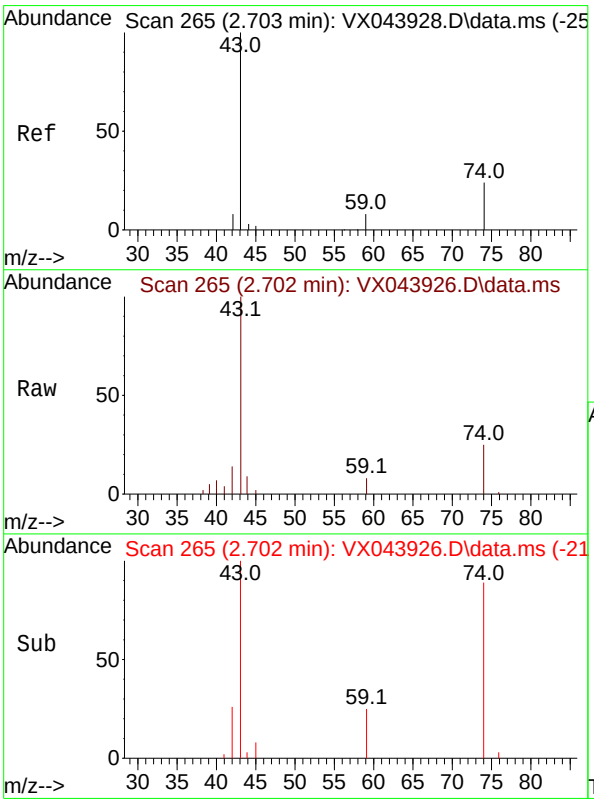
Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.0	10.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

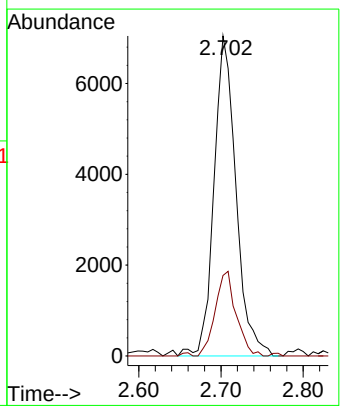


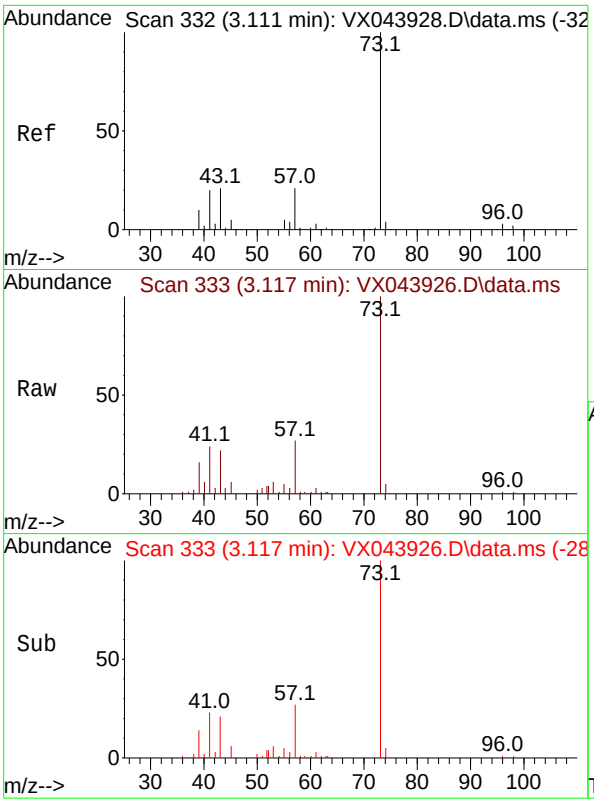


#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3

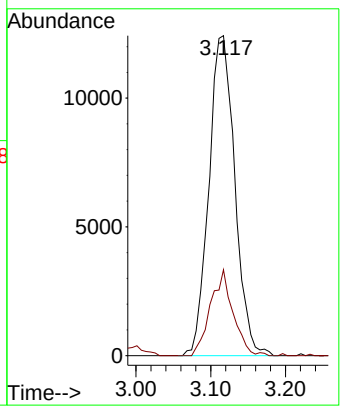




#19
Methyl tert-butyl Ether
Concen: 4.759 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 73 Resp: 3002

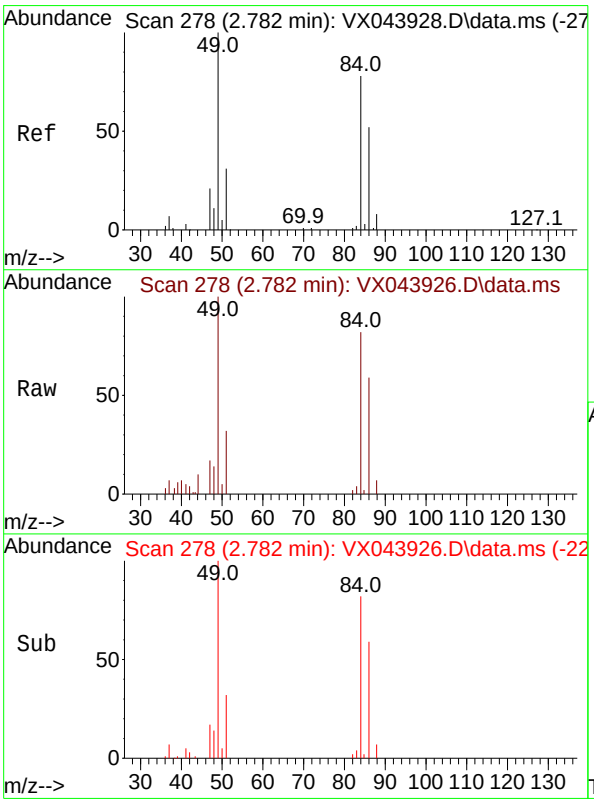
Ion	Ratio	Lower	Upper
73	100		
57	26.8	17.0	25.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

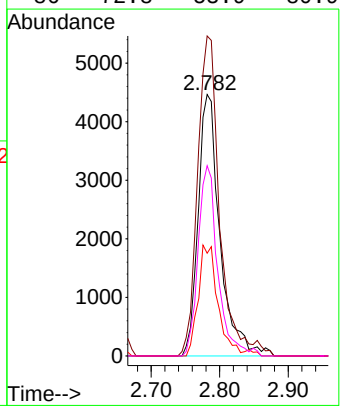
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

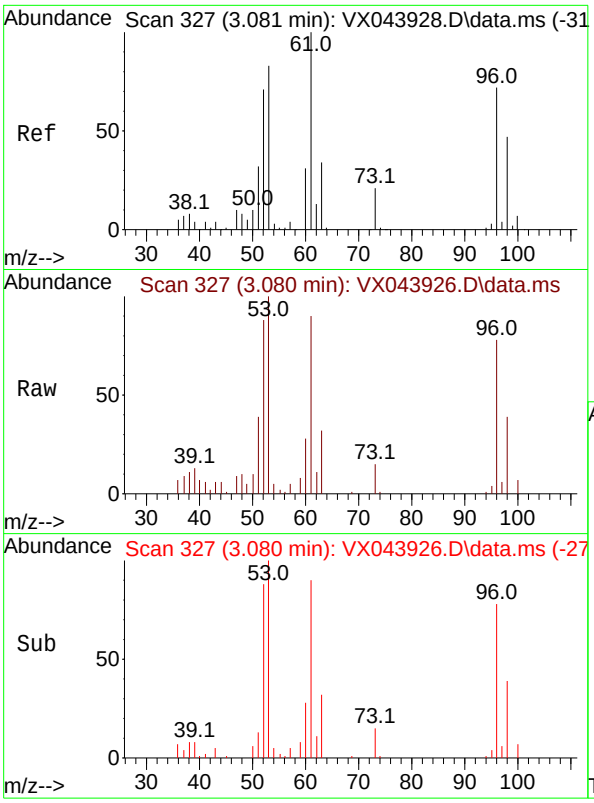


#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

Ion	Ratio	Lower	Upper
84	100		
49	122.4	102.7	154.1
51	39.3	31.7	47.5
86	72.8	53.9	80.9

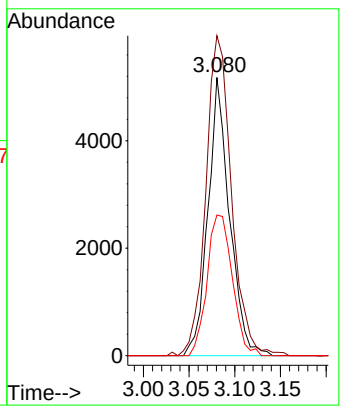




#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 848

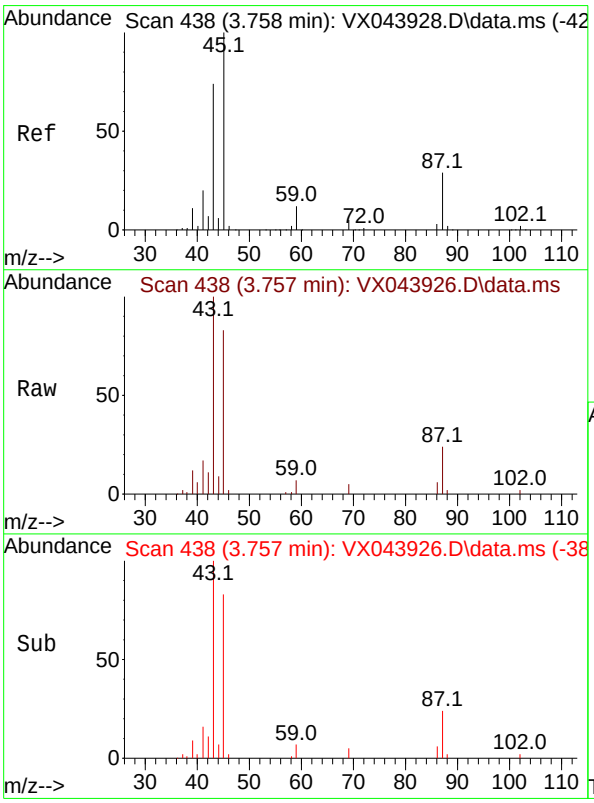
Ion	Ratio	Lower	Upper
96	100		
61	115.0	111.8	167.6
98	50.6	52.7	79.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

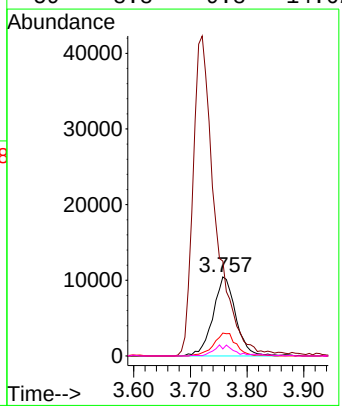
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

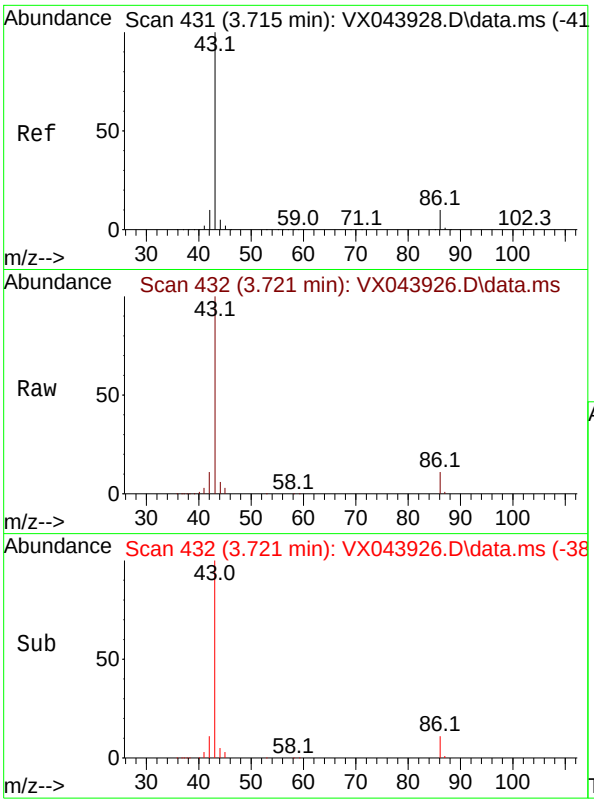


#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

Ion	Ratio	Lower	Upper
45	100		
43	118.7	59.6	89.4#
87	29.0	22.9	34.3
59	8.8	9.8	14.6#





#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

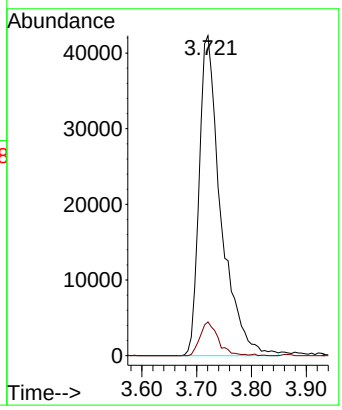
Tgt Ion: 43 Resp: 11624

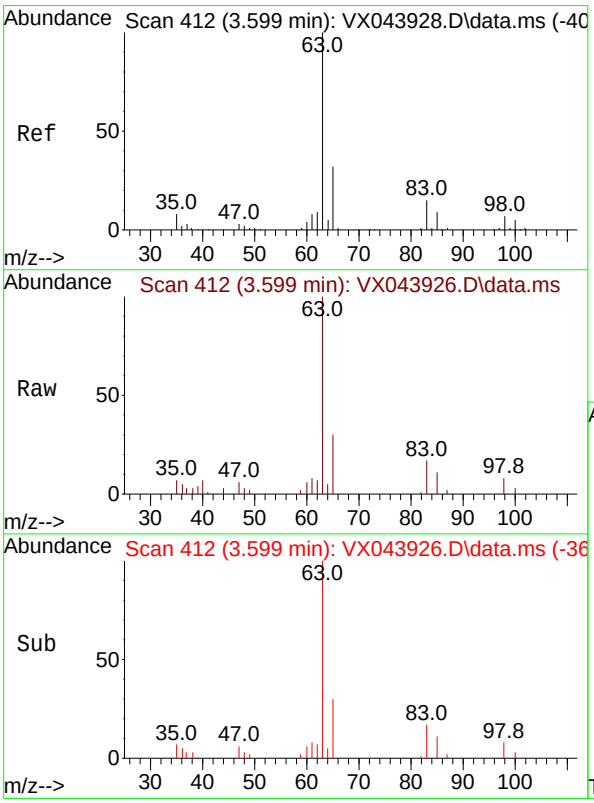
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

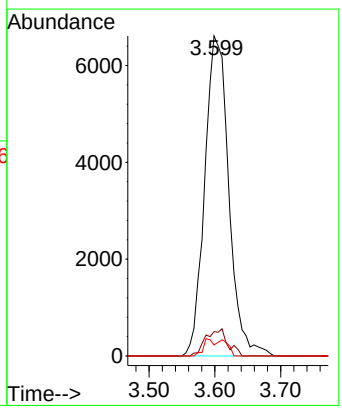


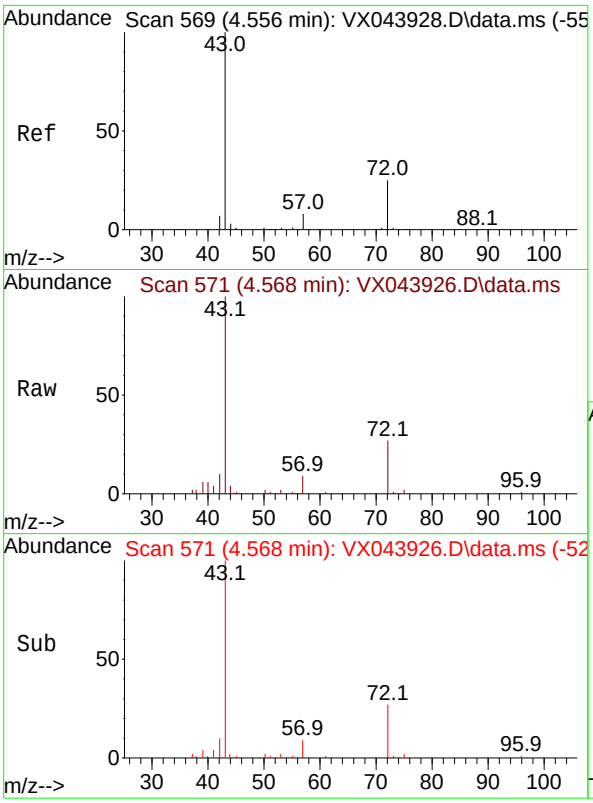


#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	3.5	2.4	7.1

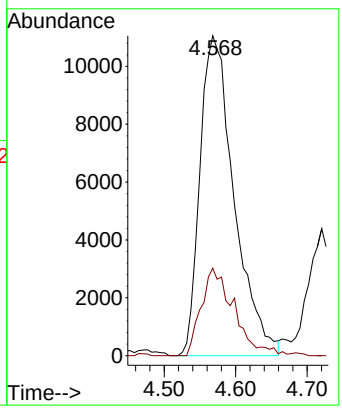




#25
2-Butanone
Concen: 23.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 3668

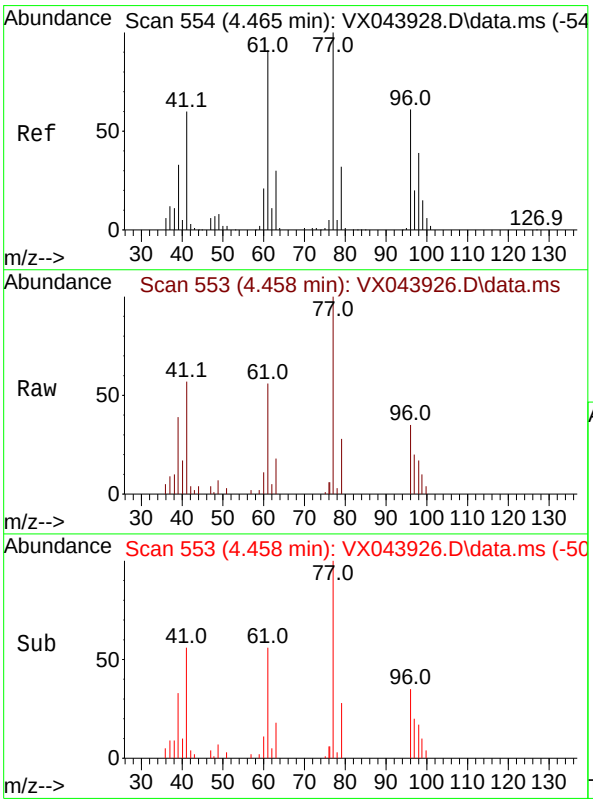
Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

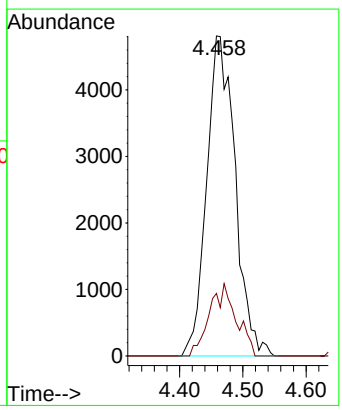
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

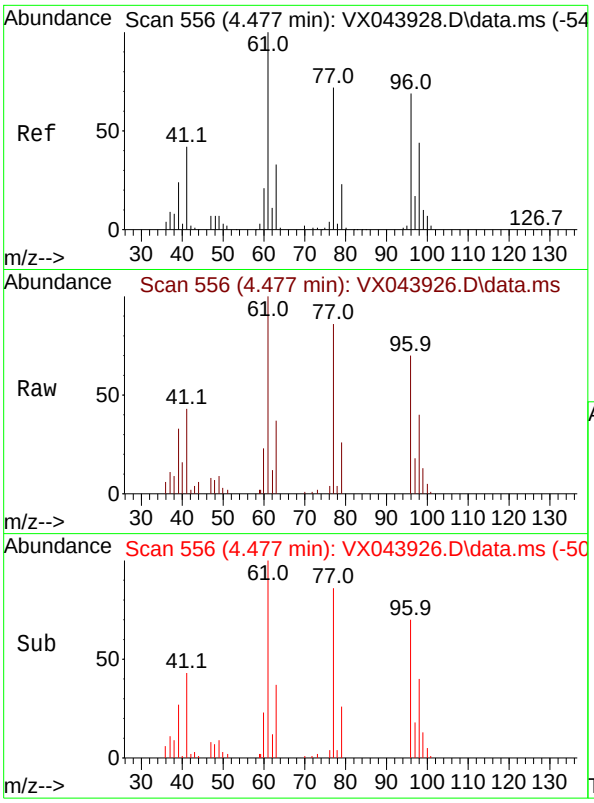


#26
2,2-Dichloropropane
Concen: 4.755 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

Ion	Ratio	Lower	Upper
77	100		
97	10.0	10.8	32.3#

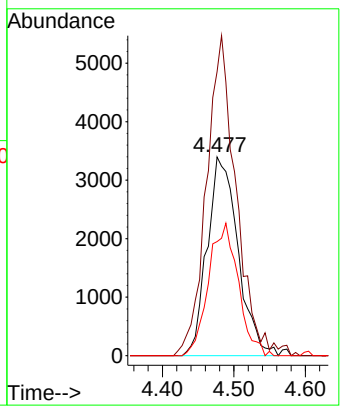




#27
cis-1,2-Dichloroethene
Concen: 4.579 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 1015

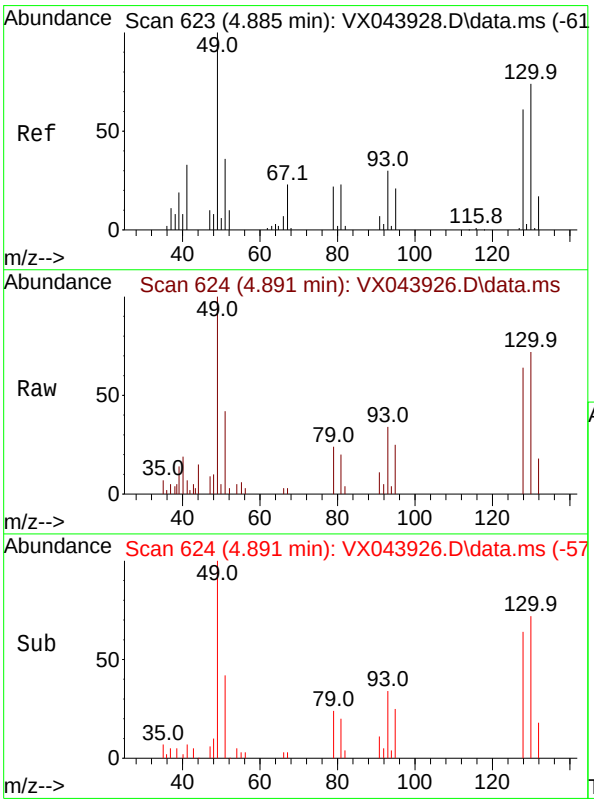
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	297.4
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

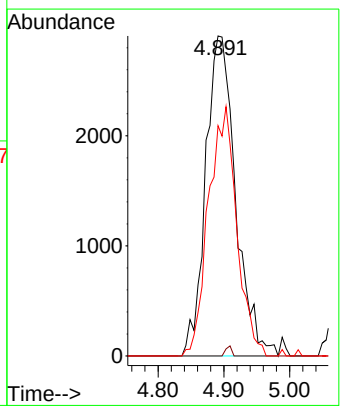
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

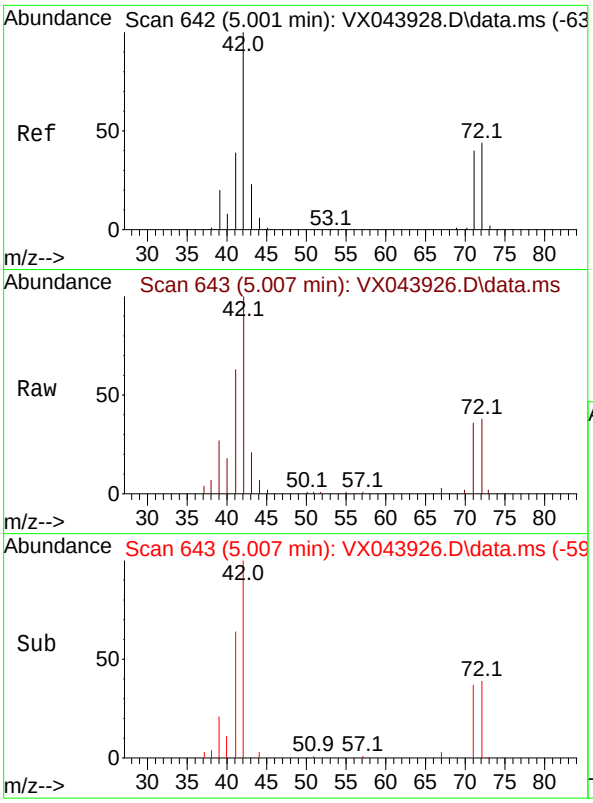


#28
Bromochloromethane
Concen: 5.974 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	73.5	59.0	88.6

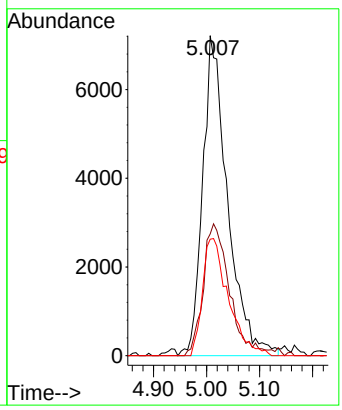




#29
Tetrahydrofuran
Concen: 25.028 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 42 Resp: 2351

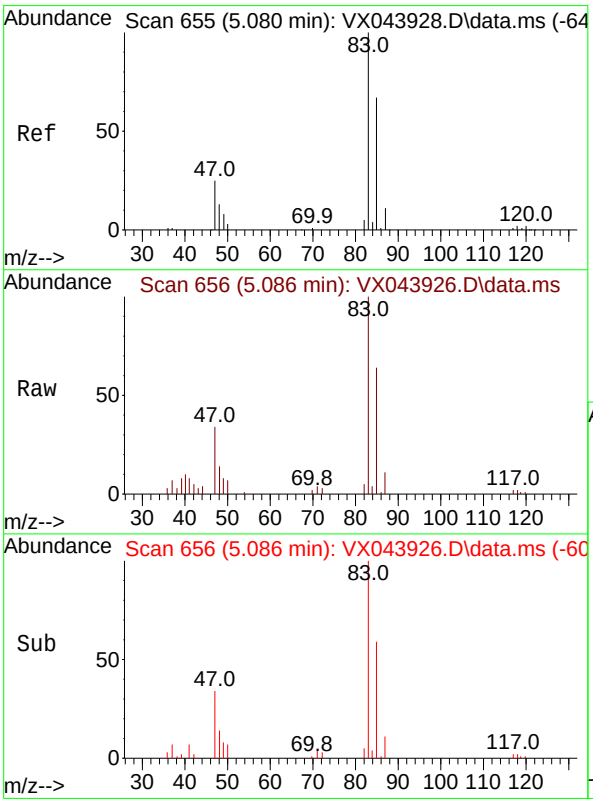
Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.4	54.6
71	38.1	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

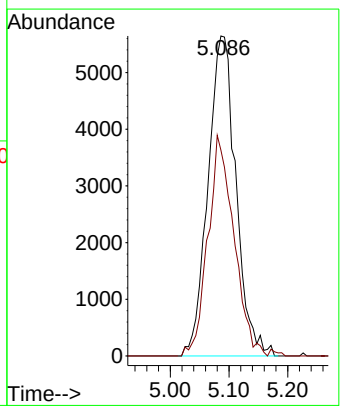
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

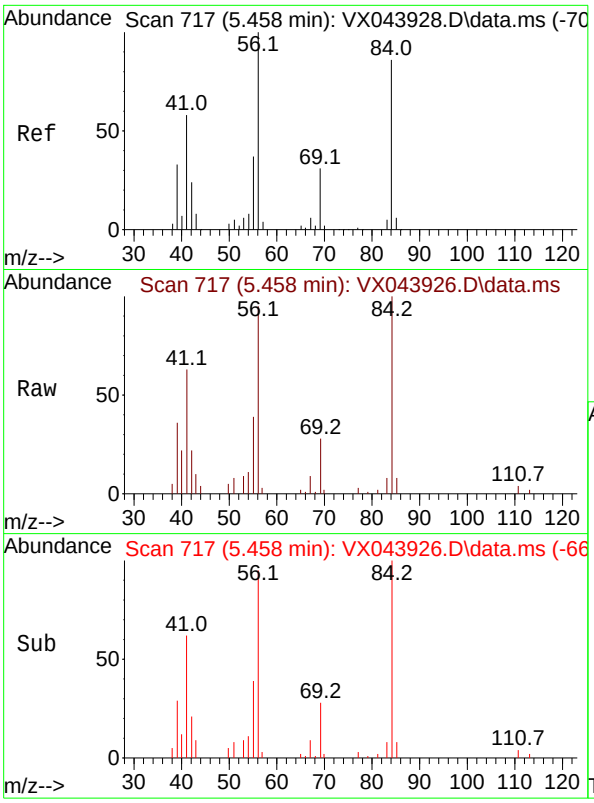


#30
Chloroform
Concen: 4.954 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3

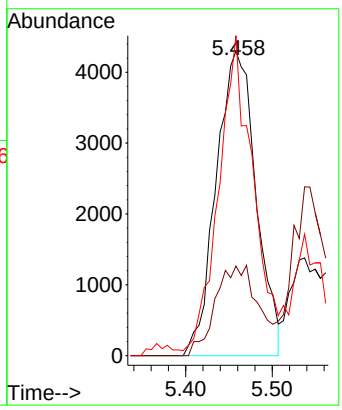




#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 56 Resp: 1374

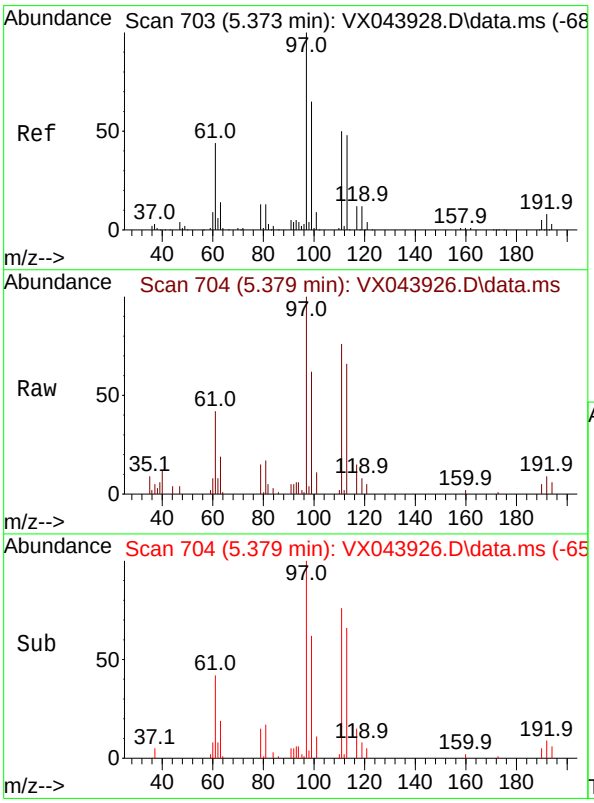
Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.7	37.1
84	103.2	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

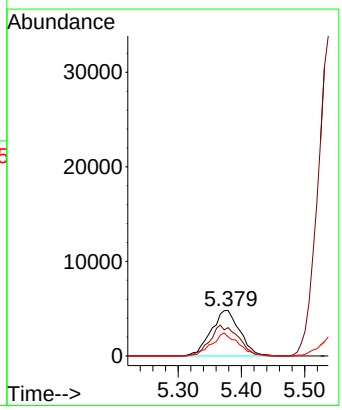
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

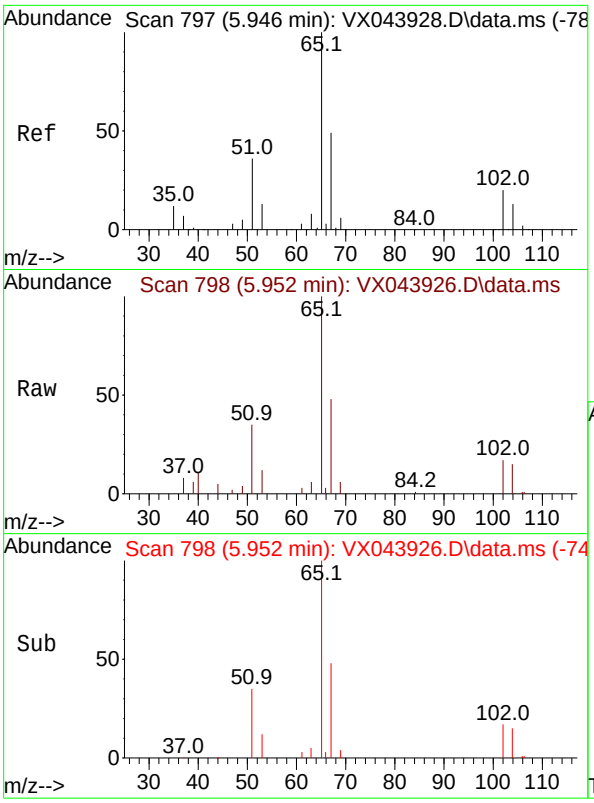


#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.8	76.2
61	46.2	35.4	53.2

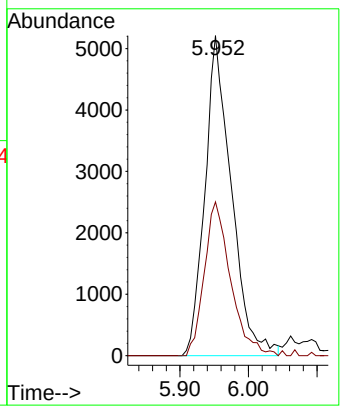




#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 65 Resp: 1396

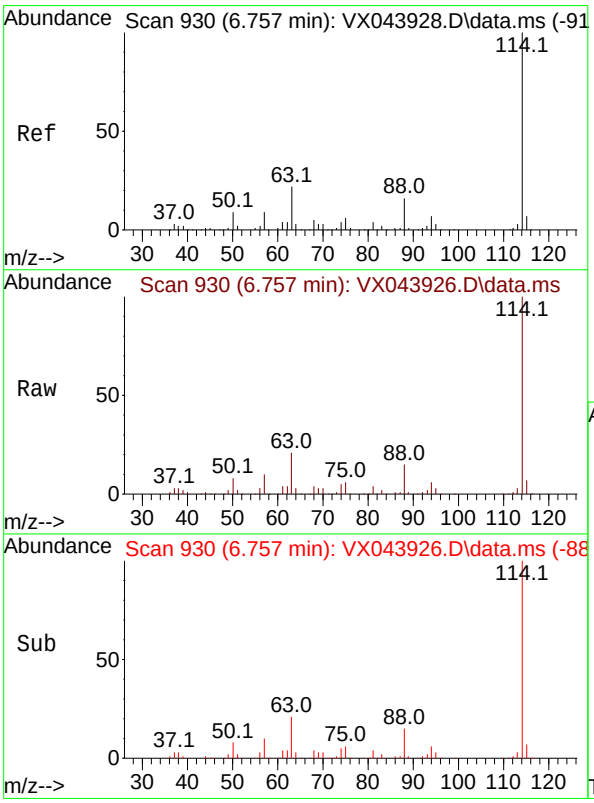
Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

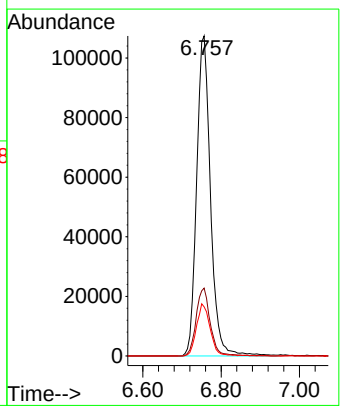
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

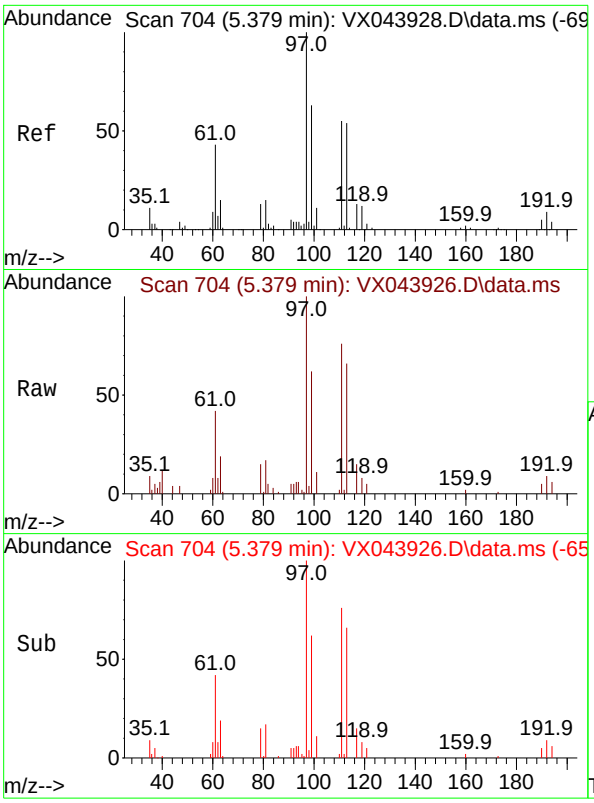


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	15.4	0.0	32.4

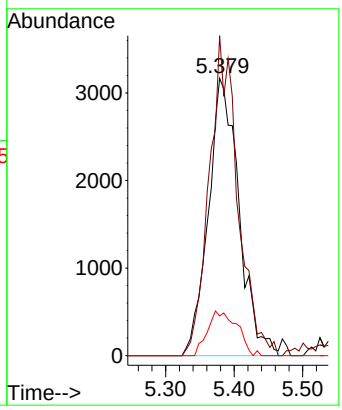




#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:113 Resp: 984

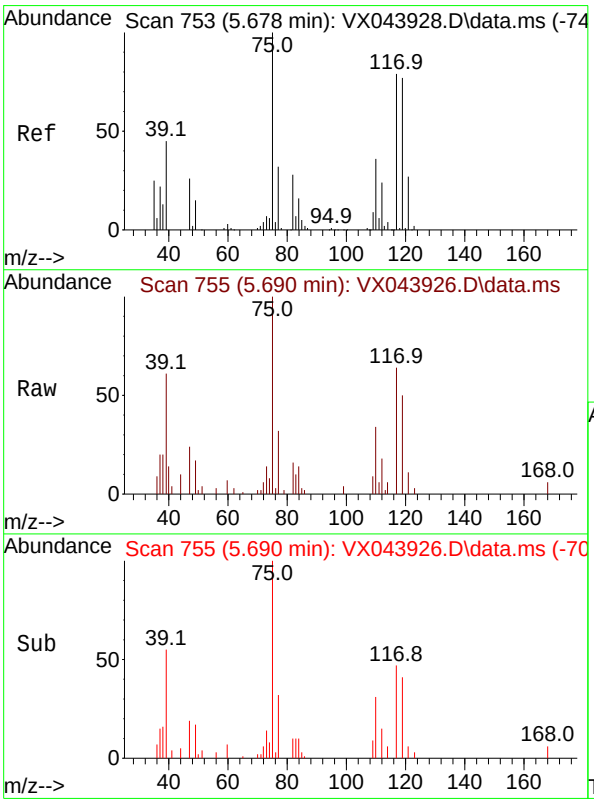
Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.0	121.4
192	15.6	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

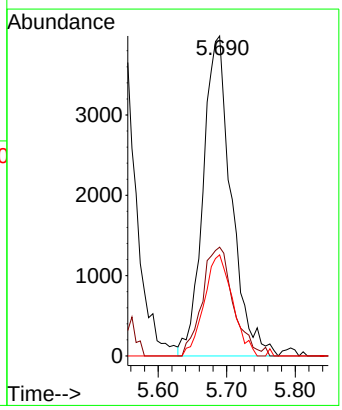
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

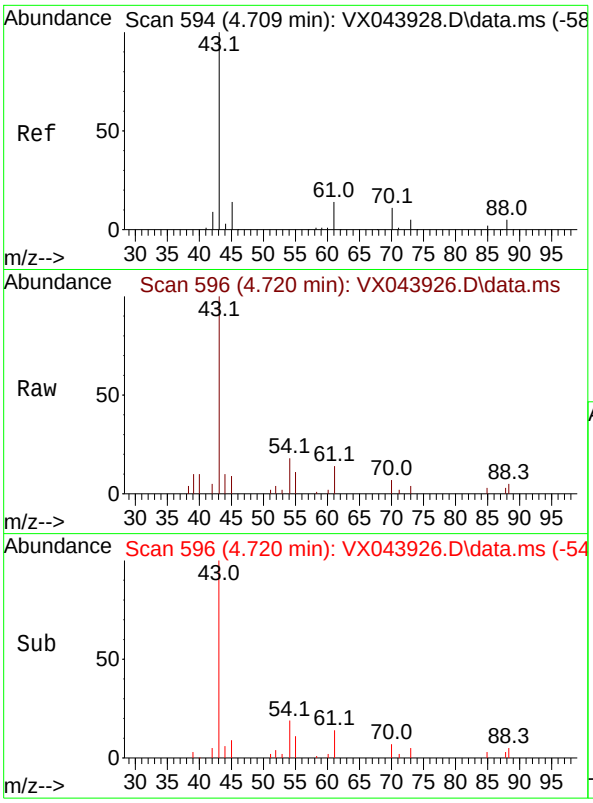


#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.4	52.2
77	31.6	25.8	38.8





#37
Ethyl Acetate
Concen: 4.968 ug/l m
RT: 4.720 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

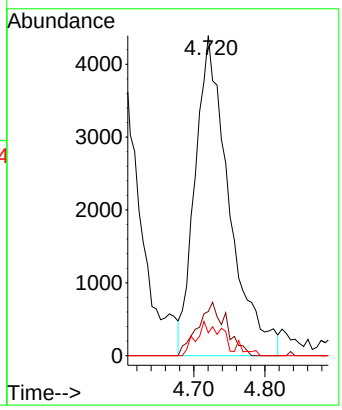
Tgt Ion: 43 Resp: 1455

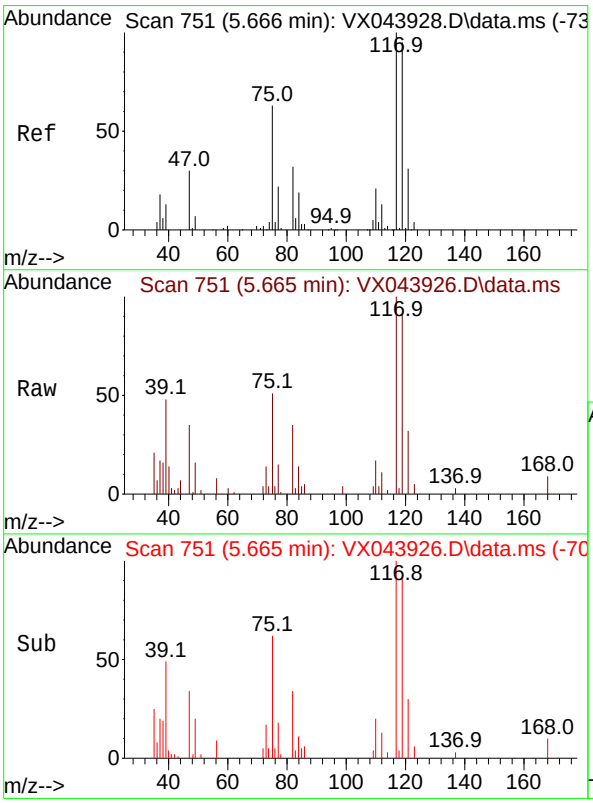
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	7.8	8.0	12.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

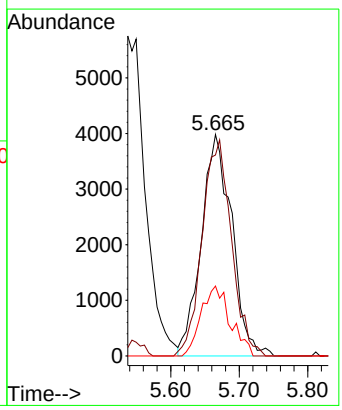


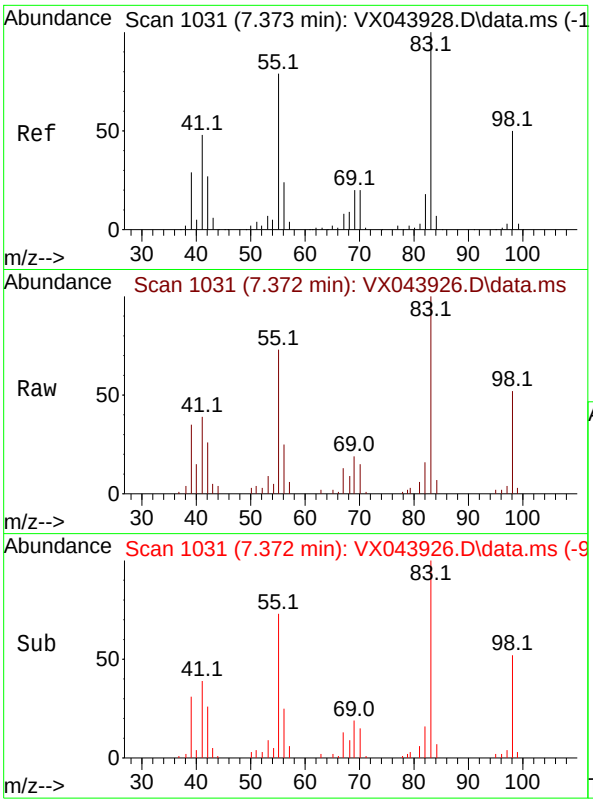


#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.5	24.5	36.7

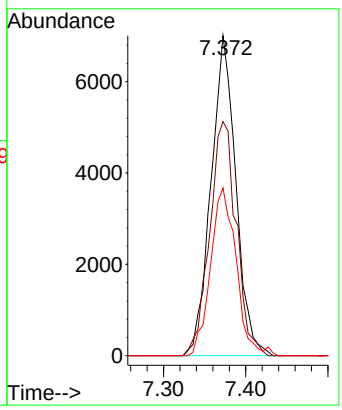




#39
Methylcyclohexane
Concen: 4.803 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1472

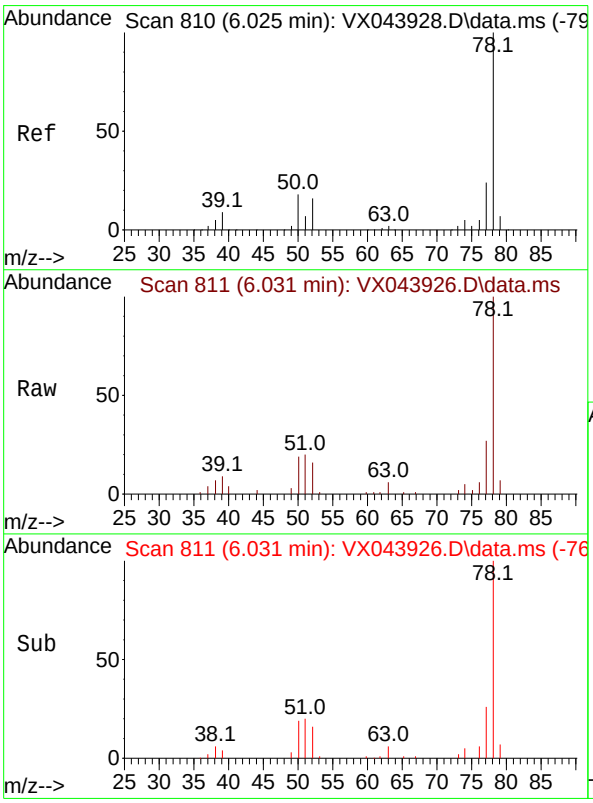
Ion	Ratio	Lower	Upper
83	100		
55	73.1	63.1	94.7
98	52.4	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

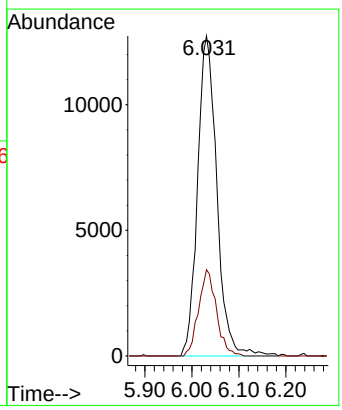
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

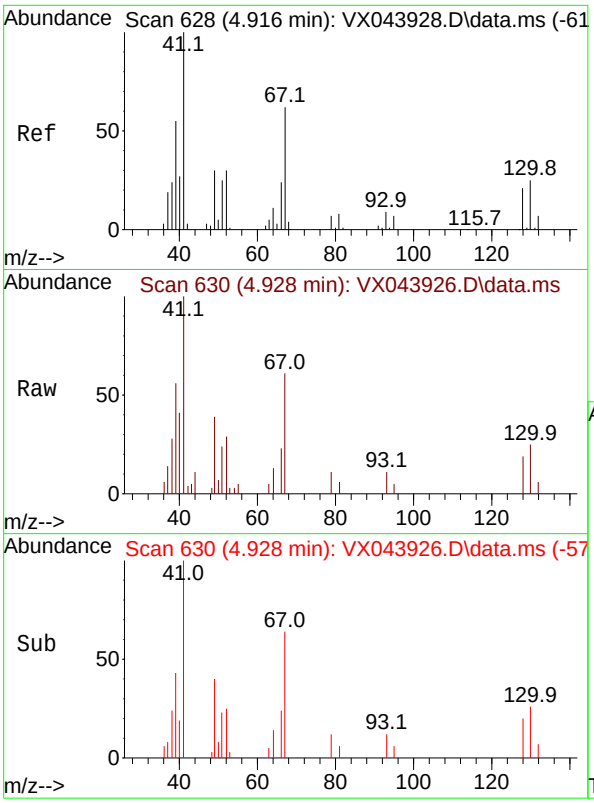


#40
Benzene
Concen: 4.937 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.2	28.8

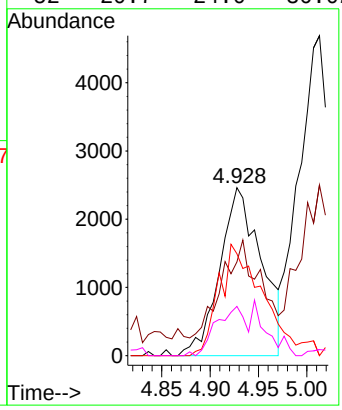




#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 735

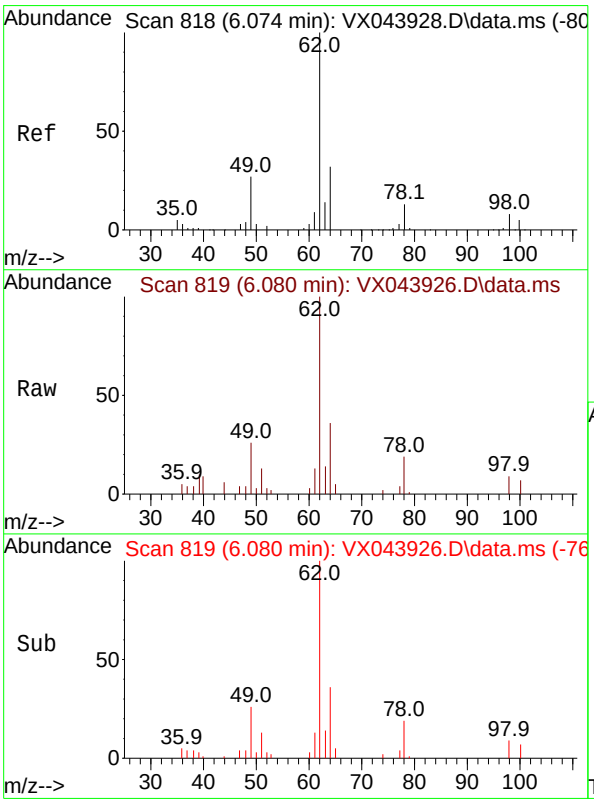
Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.7	62.5
67	72.4	55.8	83.8
52	20.7	24.0	36.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

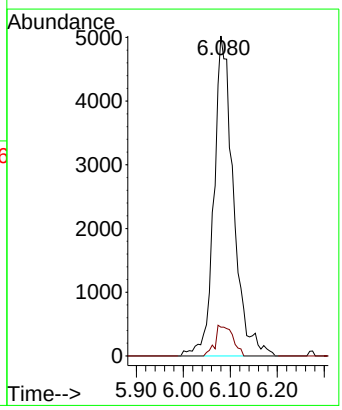
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

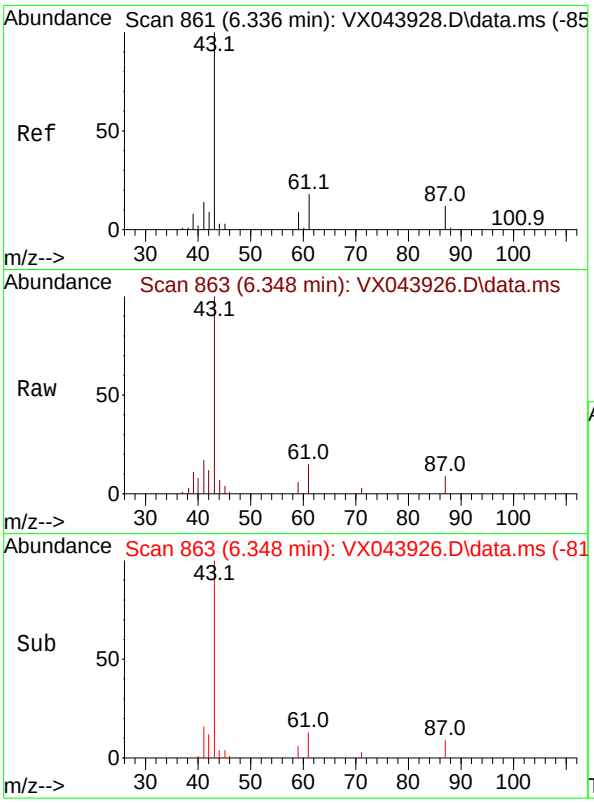


#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4





#43
Isopropyl Acetate
Concen: 4.777 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

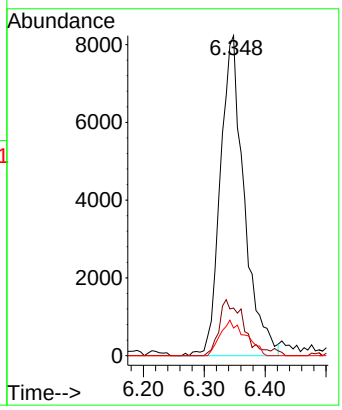
Tgt Ion: 43 Resp: 2226

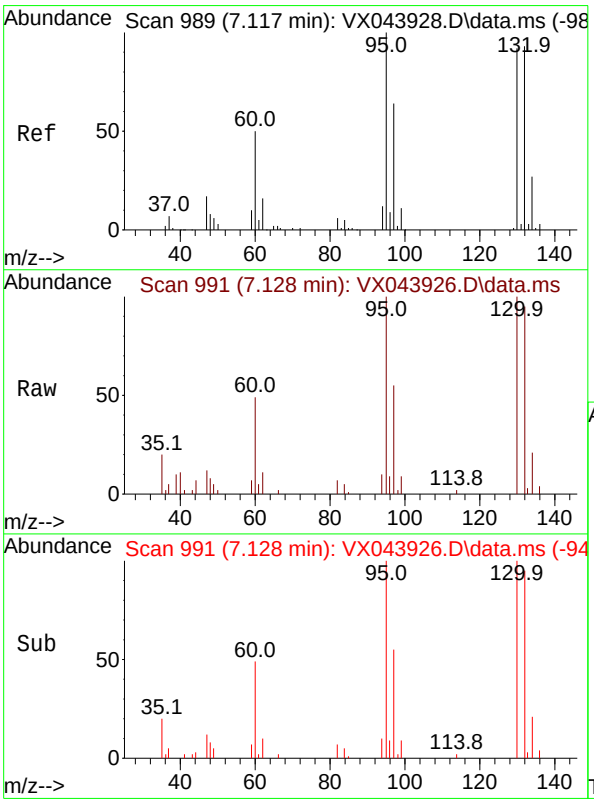
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.9	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

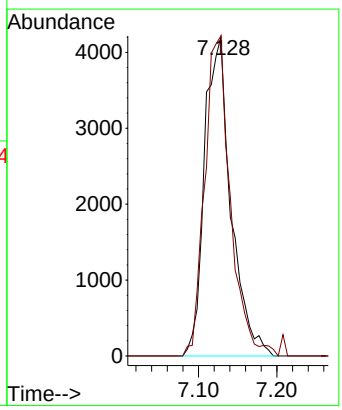


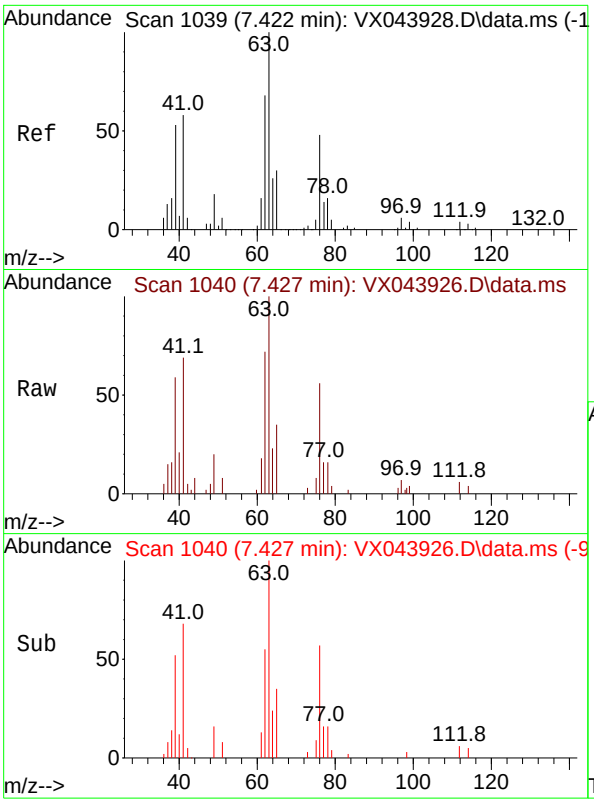


#44
Trichloroethene
Concen: 4.736 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	217.8

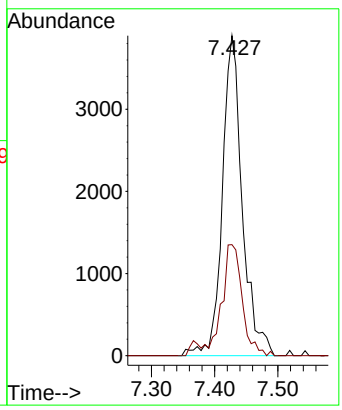




#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 852

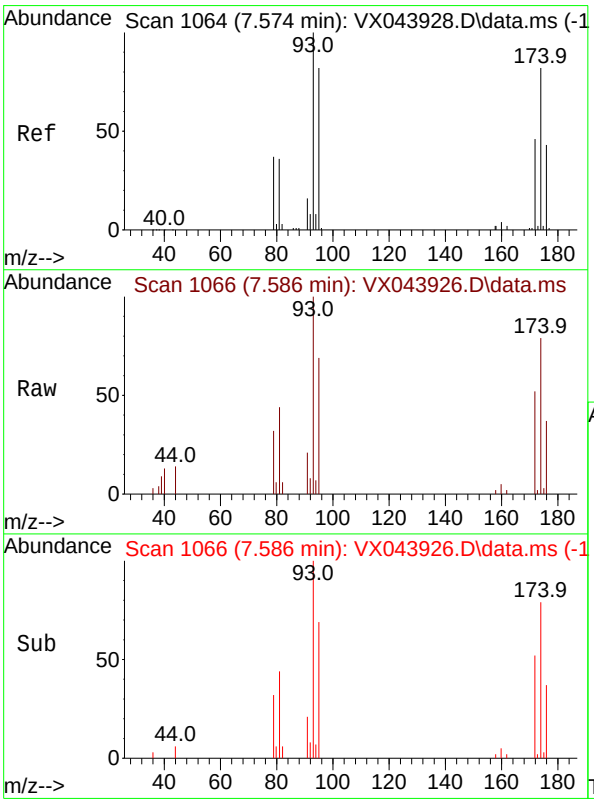
Ion	Ratio	Lower	Upper
63	100		
65	34.7	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

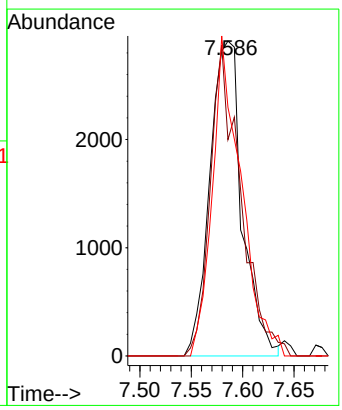
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

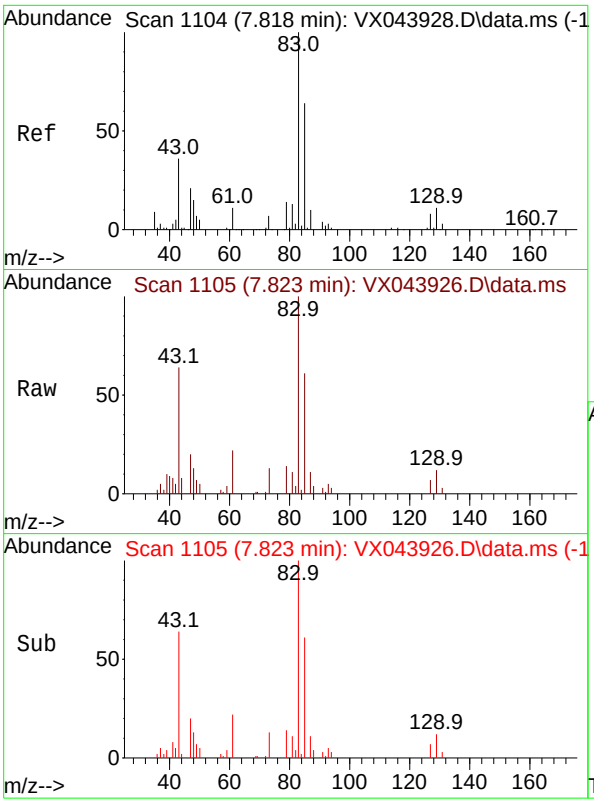


#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

Ion	Ratio	Lower	Upper
93	100		
95	92.5	66.2	99.4
174	90.3	69.6	104.4

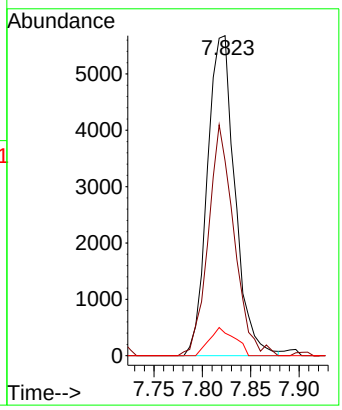




#47
Bromodichloromethane
Concen: 4.405 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1124

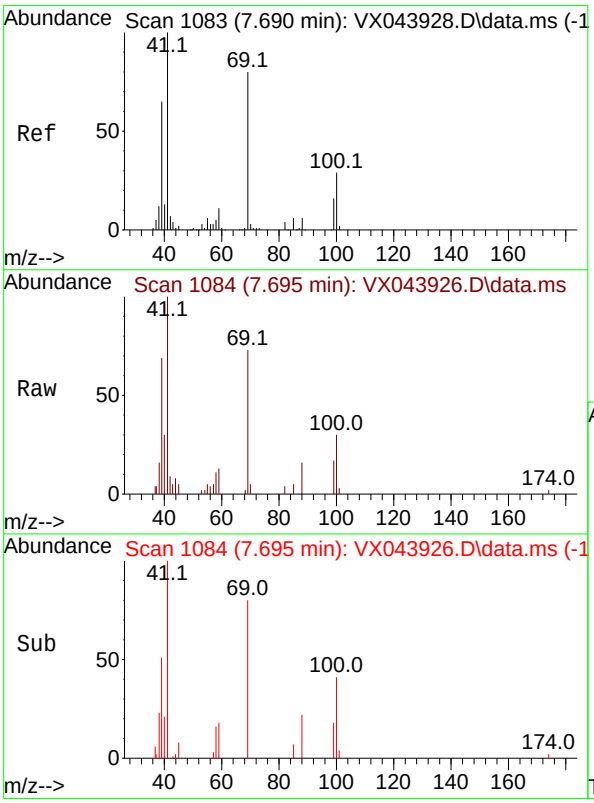
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.0
127	7.1	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

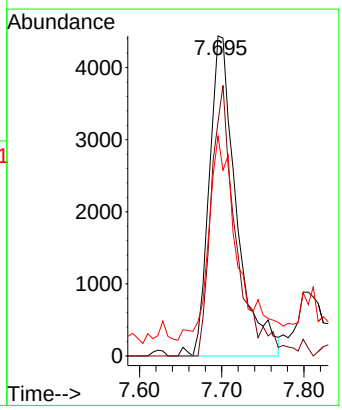
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

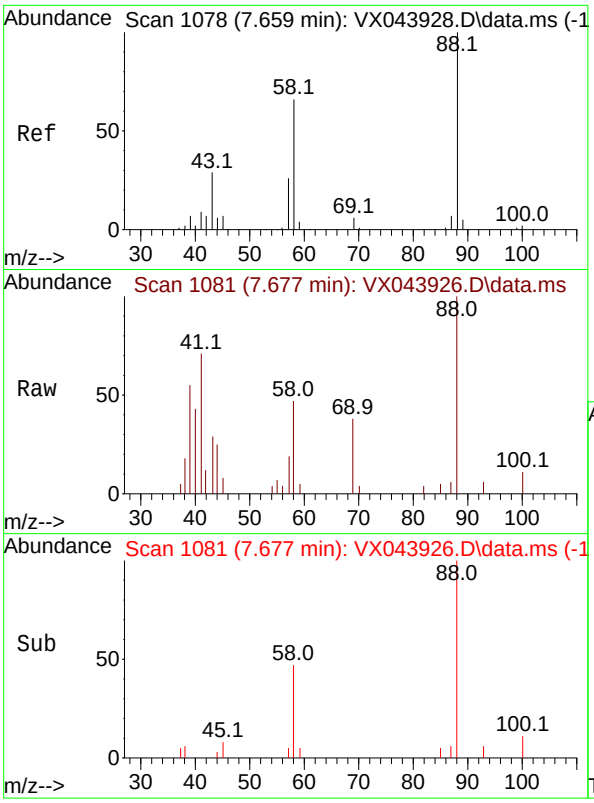


#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

Ion	Ratio	Lower	Upper
41	100		
69	77.6	64.6	97.0
39	60.5	53.3	79.9





#49
1,4-Dioxane
Concen: 106.070 ug/l m
RT: 7.677 min Scan# 1(
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

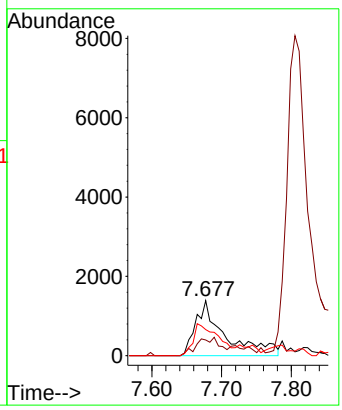
Tgt Ion: 88 Resp: 409(

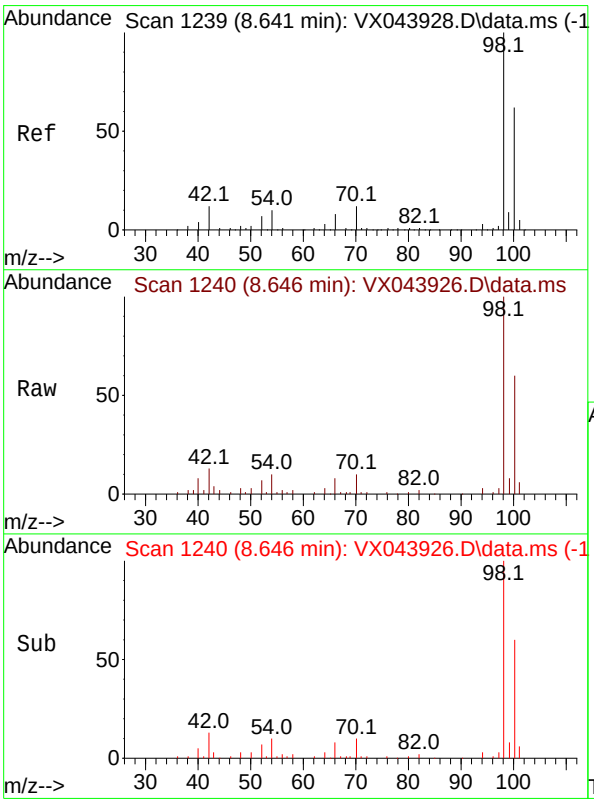
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	49.5	45.4	68.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

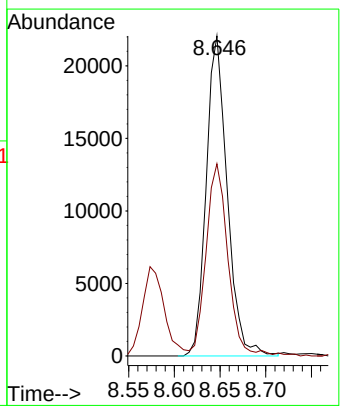


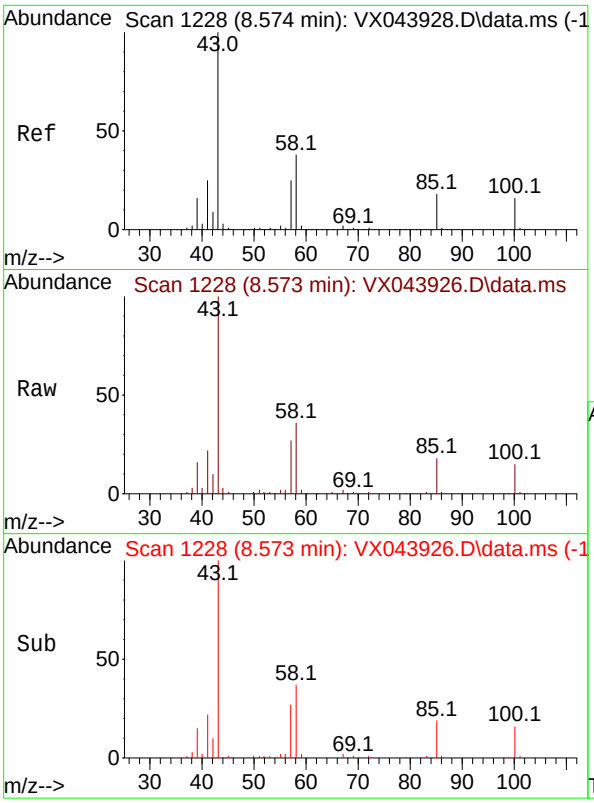


#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.6	79.0

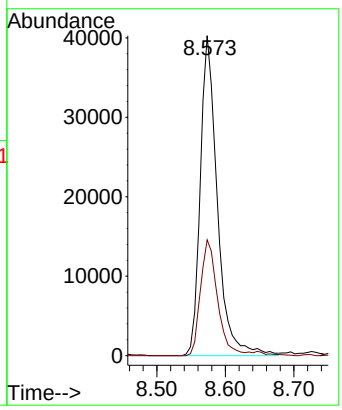




#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 6984

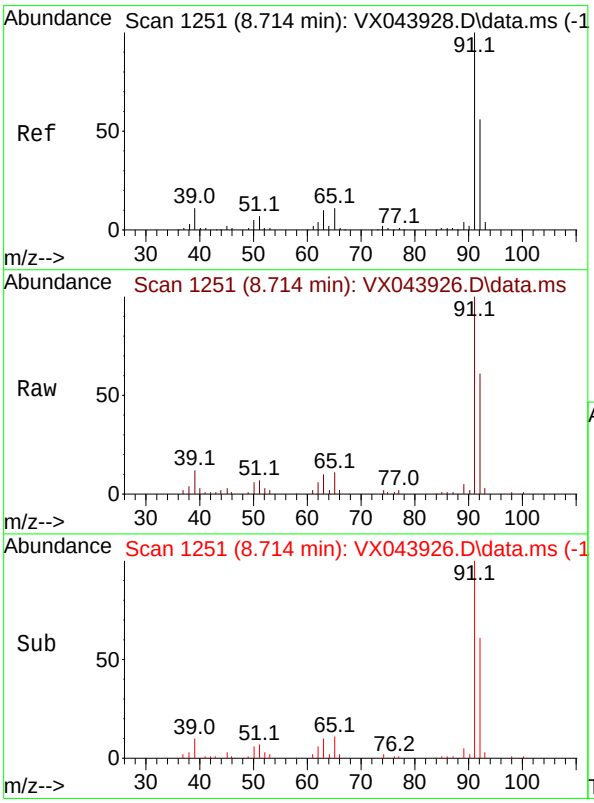
Ion	Ratio	Lower	Upper
43	100		
58	35.9	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

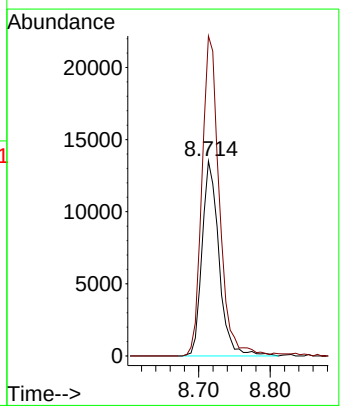
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

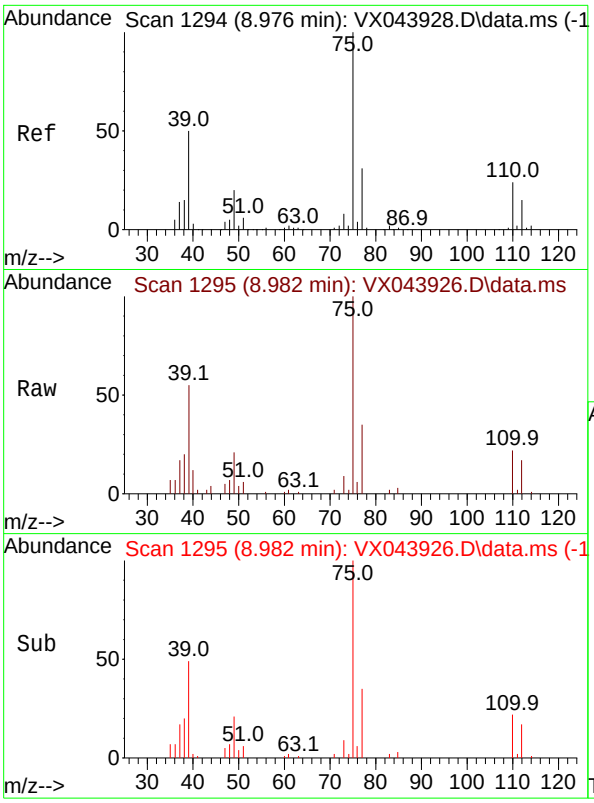


#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.7	209.5

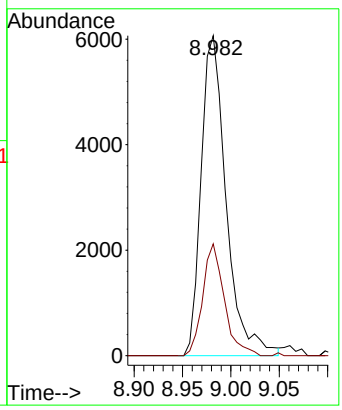




#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 1093

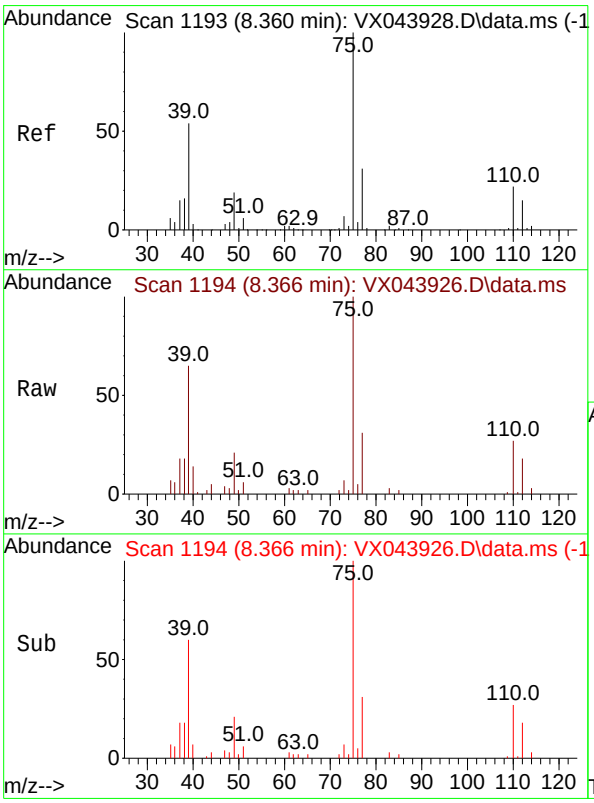
Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

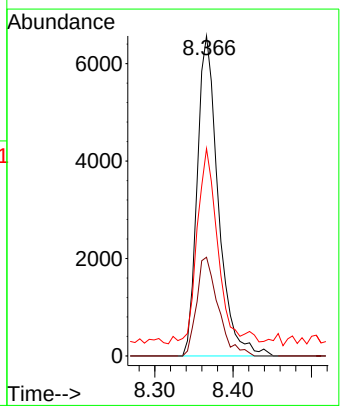
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

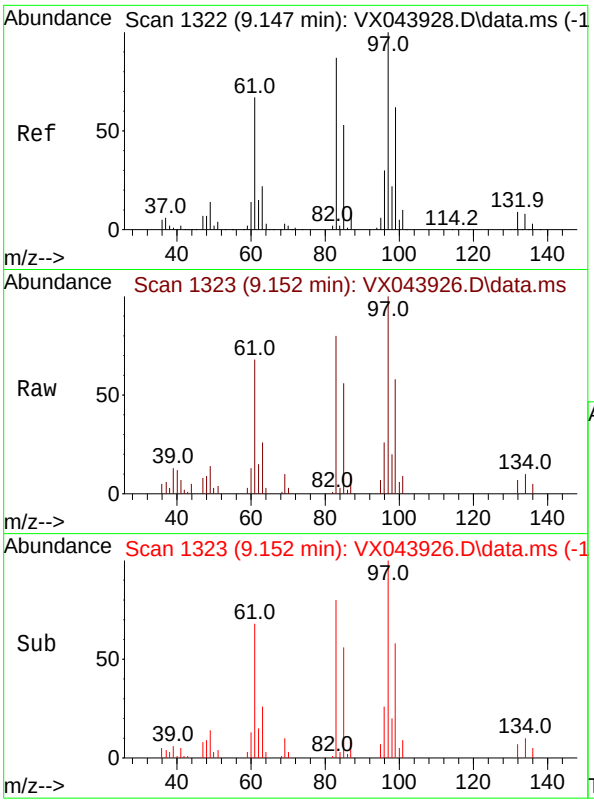


#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	60.0	43.1	64.7

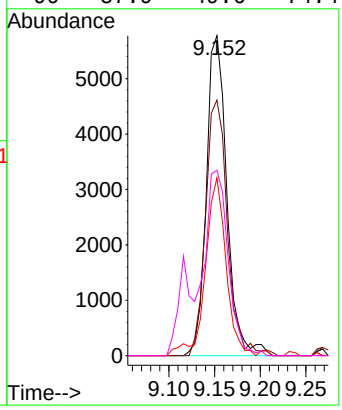




#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 900

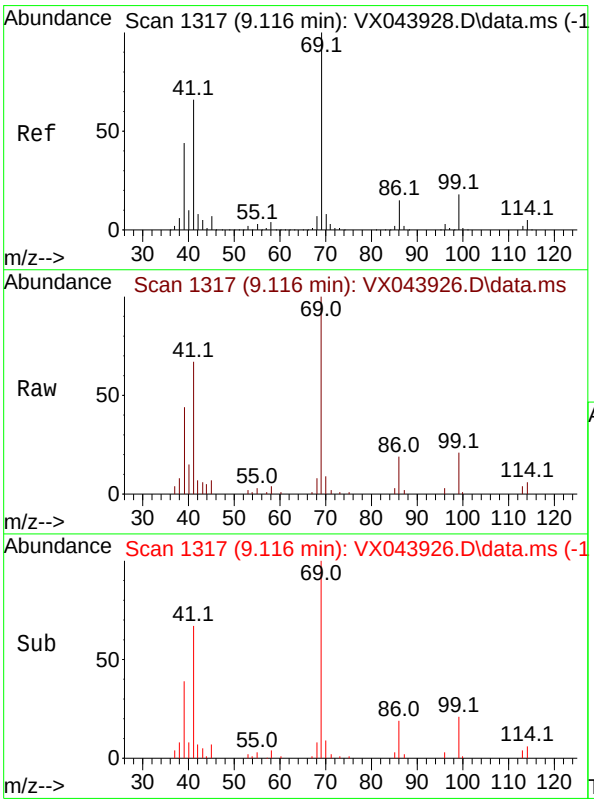
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	55.6	42.3	63.5
99	57.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

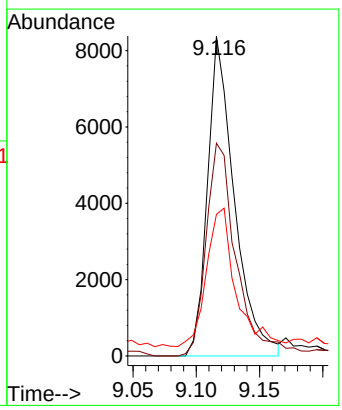
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

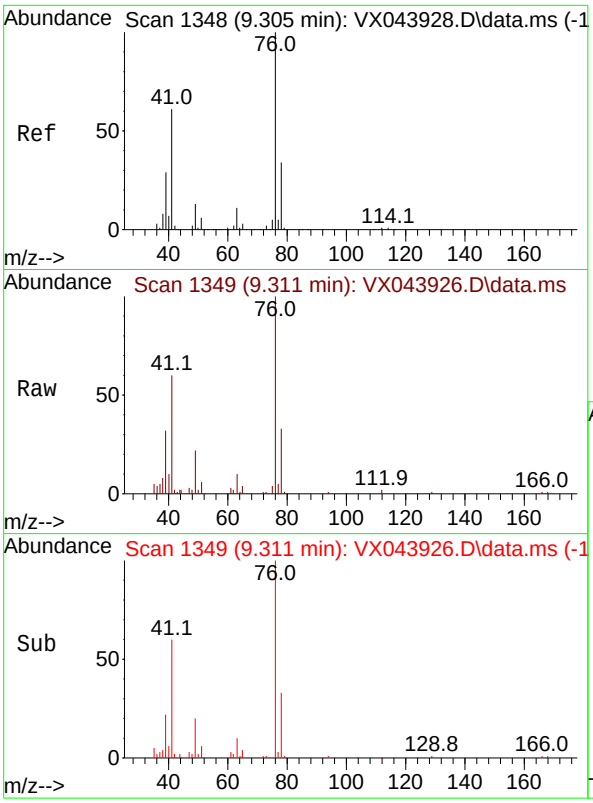


#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.8	83.8
39	46.7	36.7	55.1

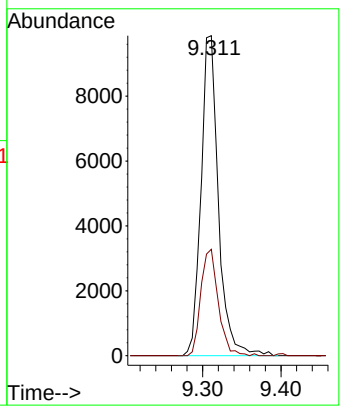




#57
1,3-Dichloropropane
Concen: 4.973 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 76 Resp: 1521

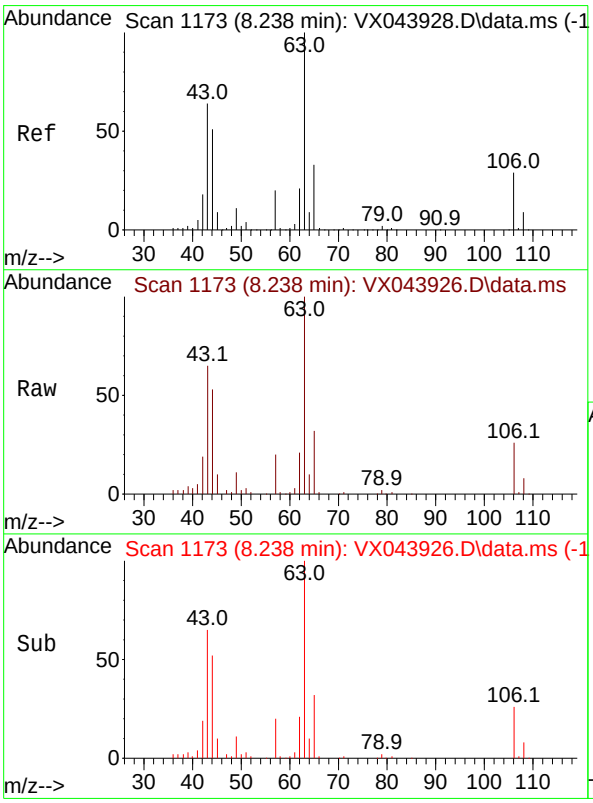
Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

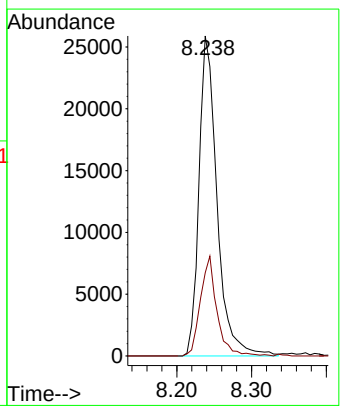
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

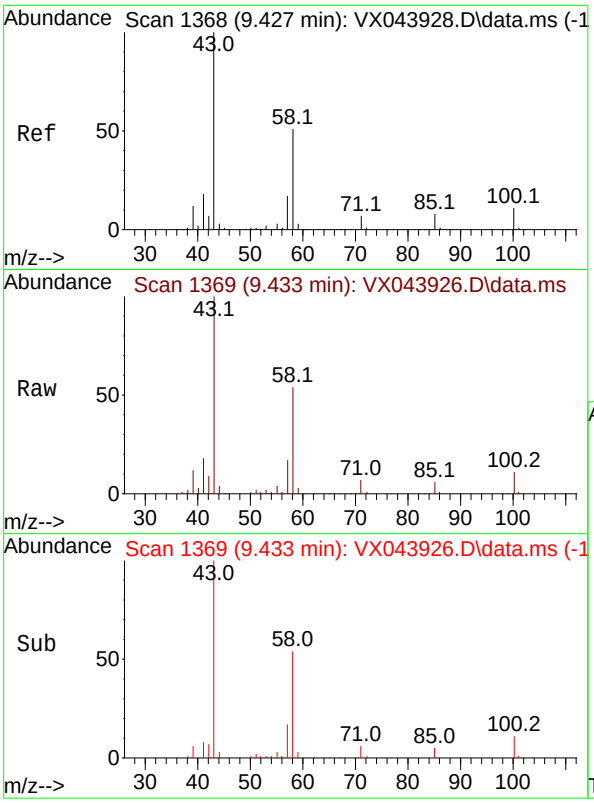


#58
2-Chloroethyl Vinyl ether
Concen: 27.673 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6





#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

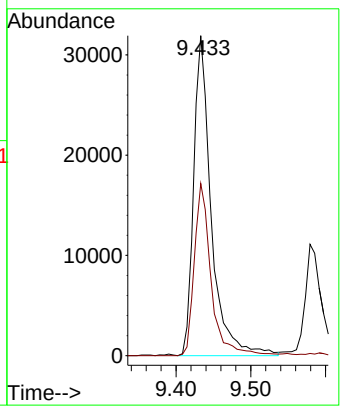
Tgt Ion: 43 Resp: 5207

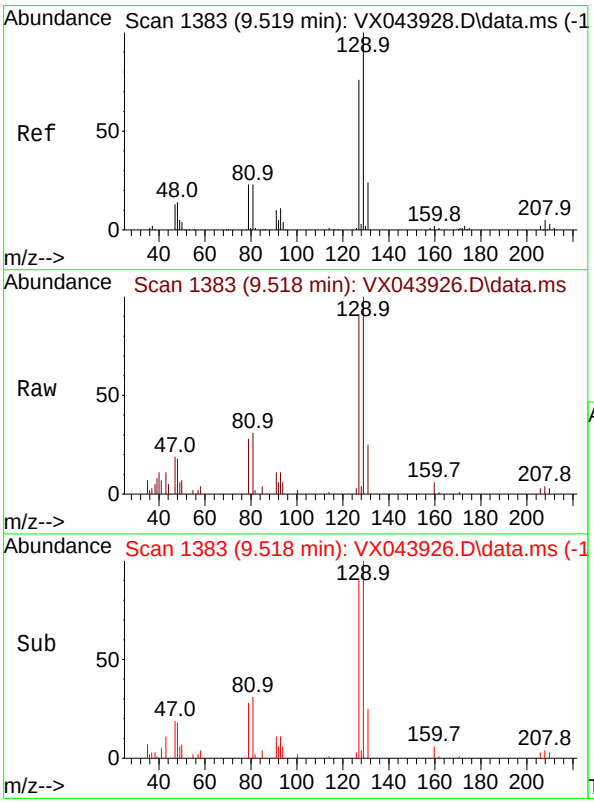
Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

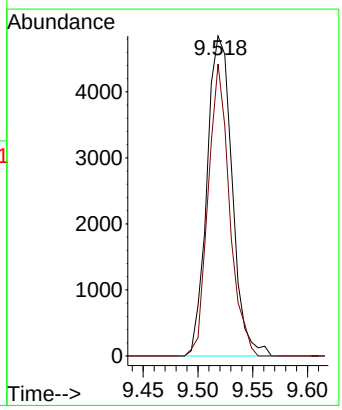


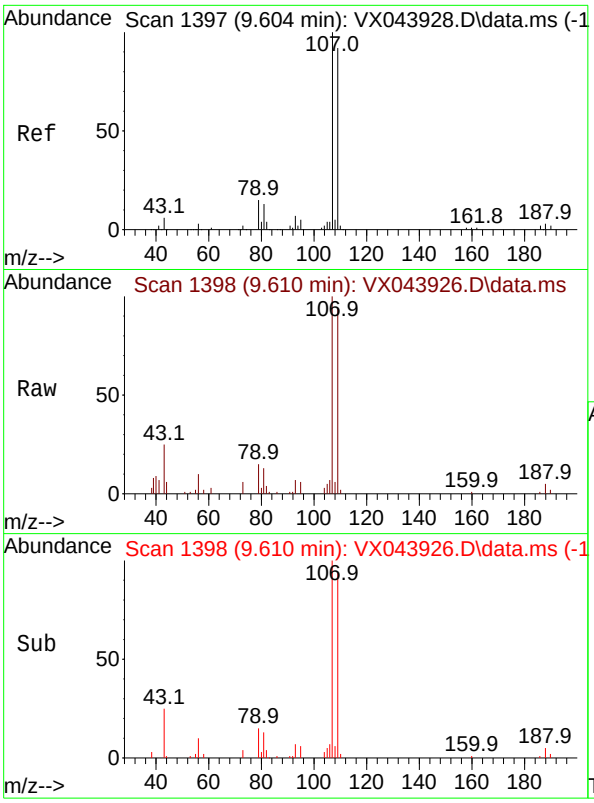


#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.2	114.6

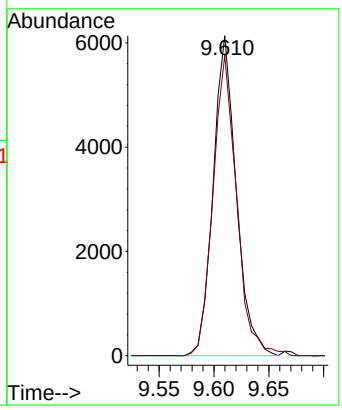




#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:107 Resp: 898

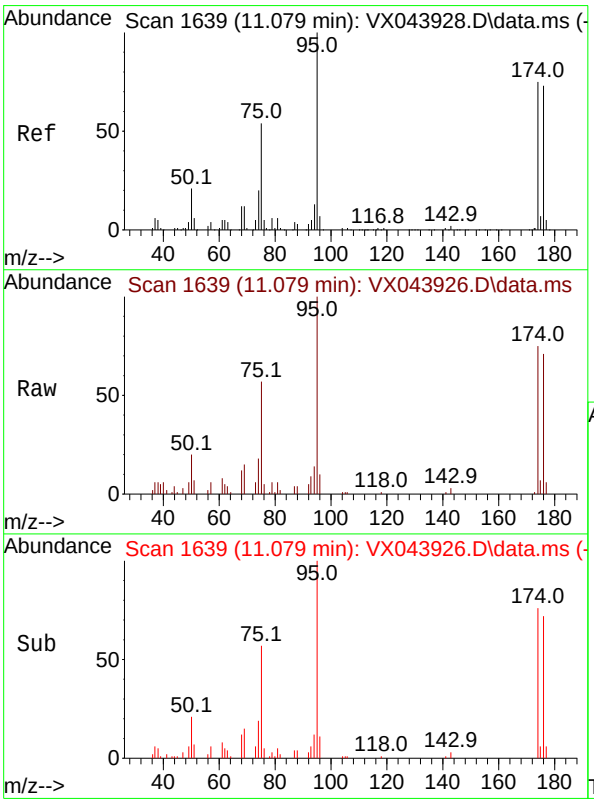
Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

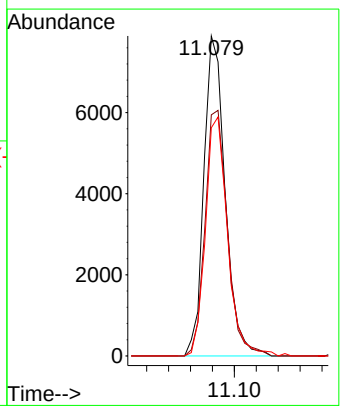
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

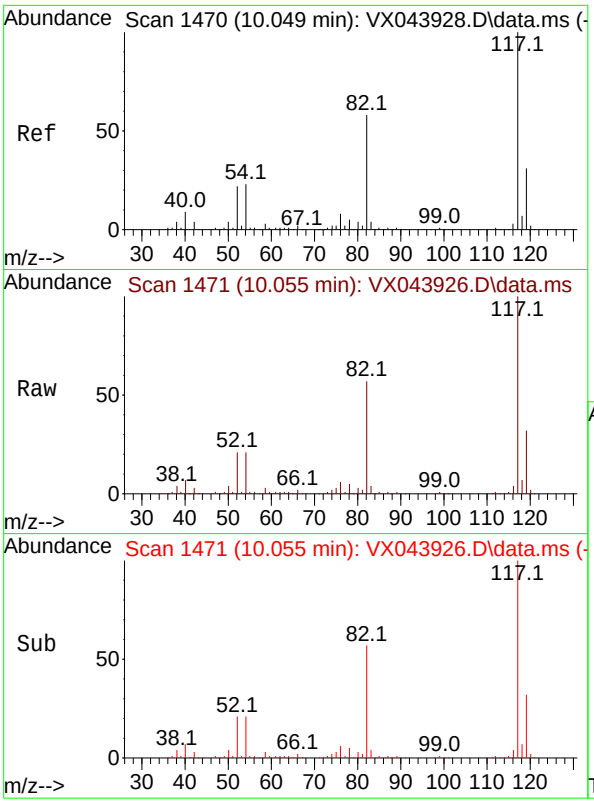


#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	150.4
176	77.6	0.0	146.0

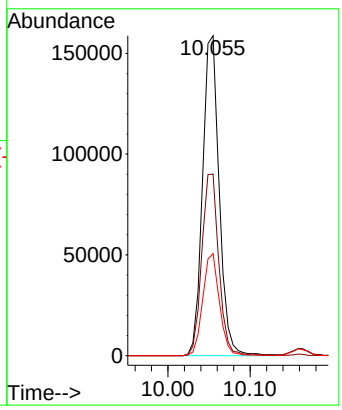




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 22351

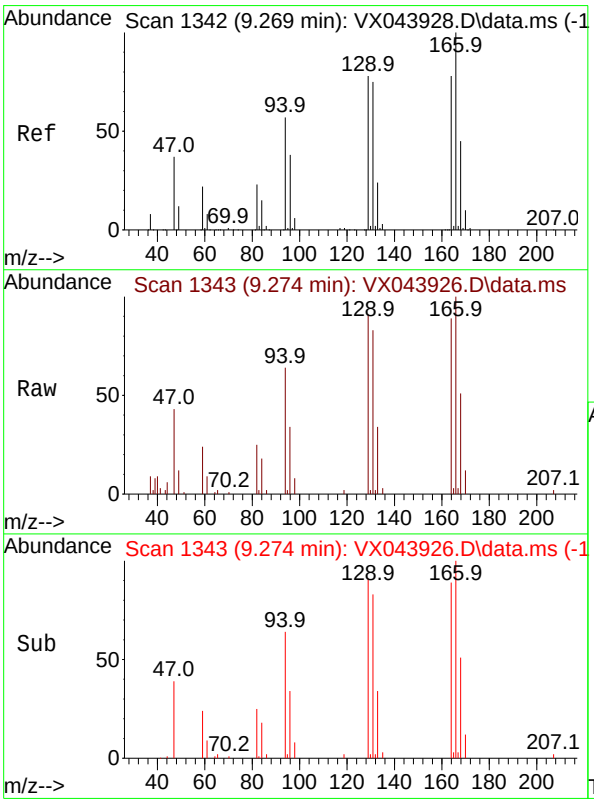
Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.4	69.6
119	31.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

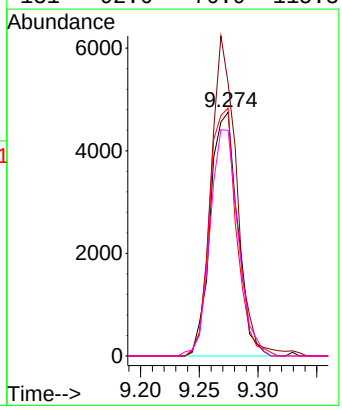
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

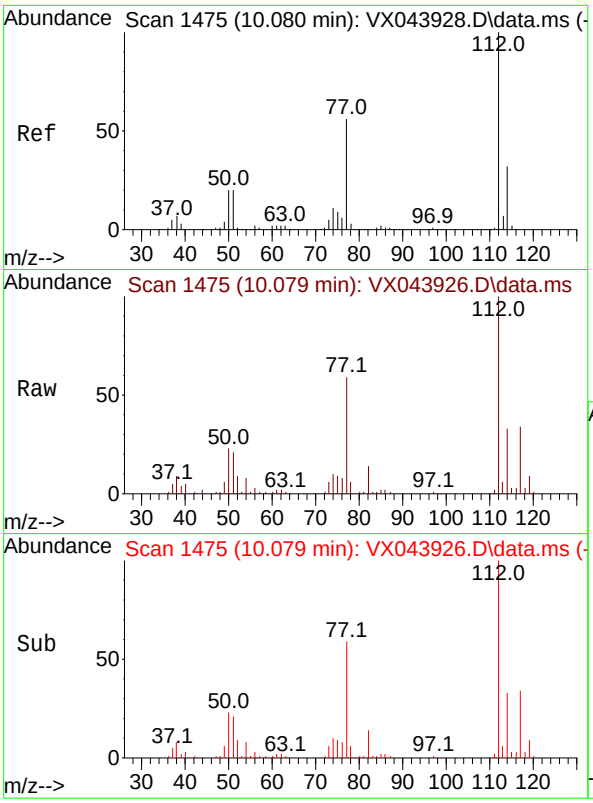


#64
Tetrachloroethene
Concen: 5.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

Ion	Ratio	Lower	Upper
164	100		
166	111.9	102.1	153.1
129	101.7	79.6	119.4
131	92.6	76.9	115.3

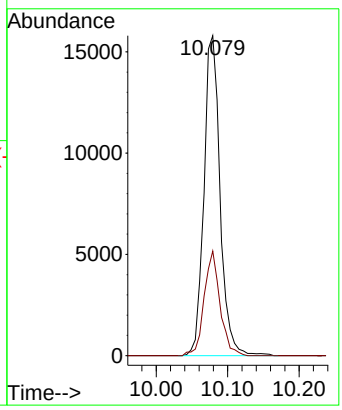




#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:112 Resp: 2479

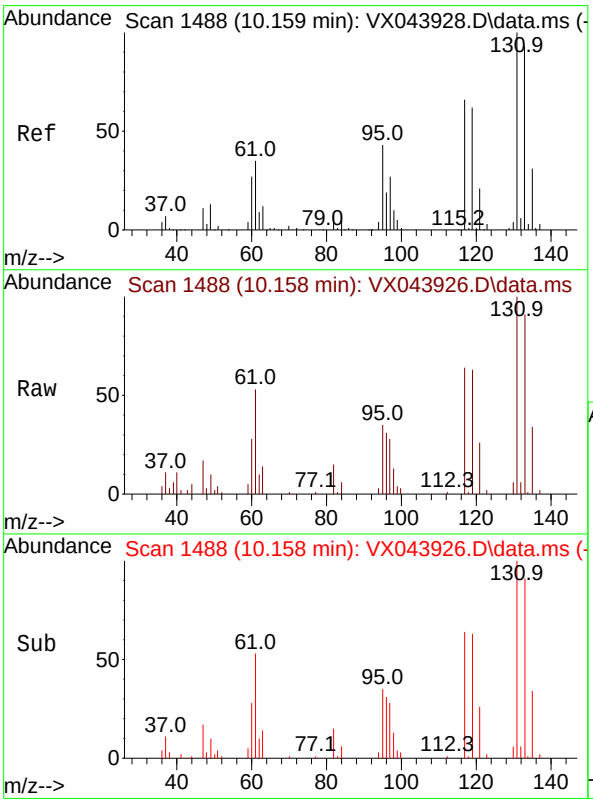
Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

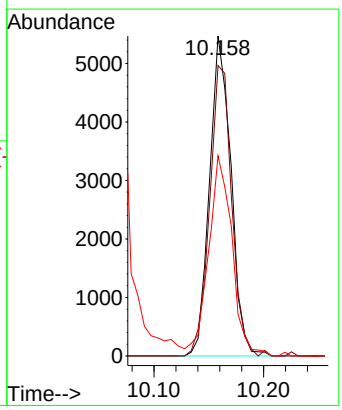
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

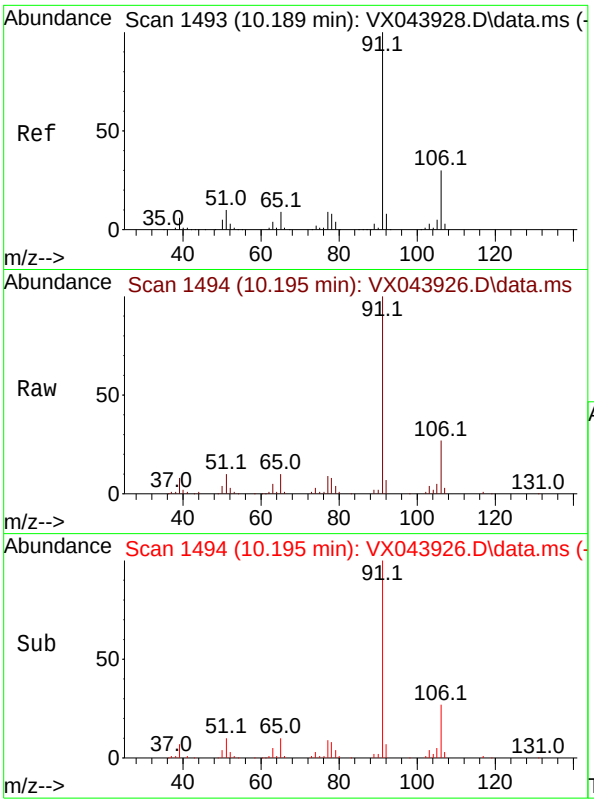


#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.2	144.6
119	68.3	31.5	94.5





#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

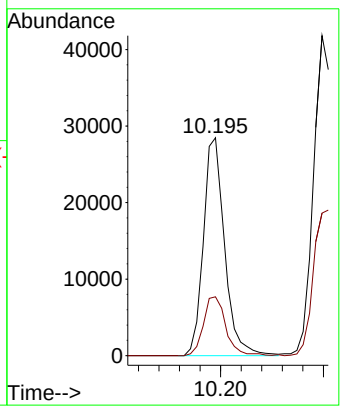
Tgt Ion: 91 Resp: 4092

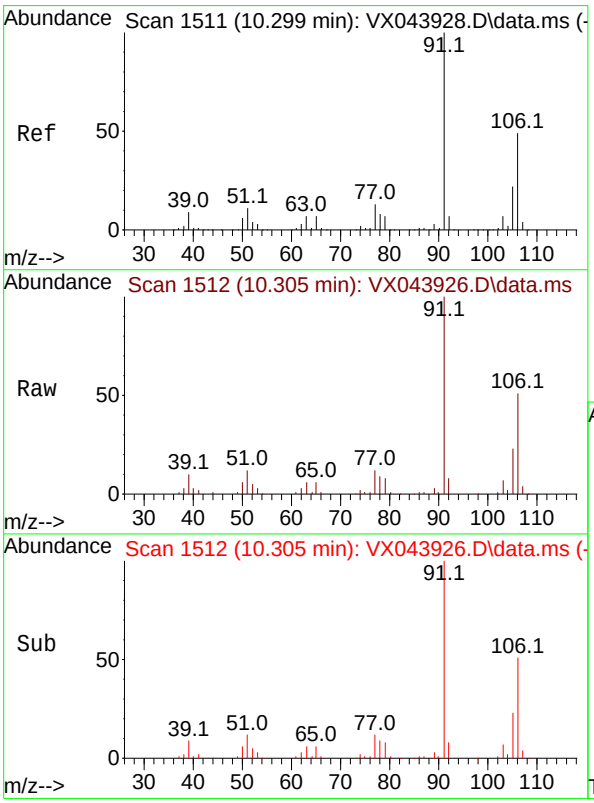
Ion	Ratio	Lower	Upper
91	100		
106	27.0	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

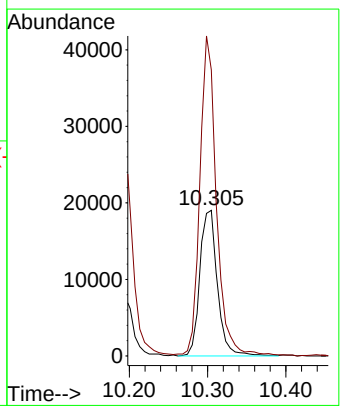


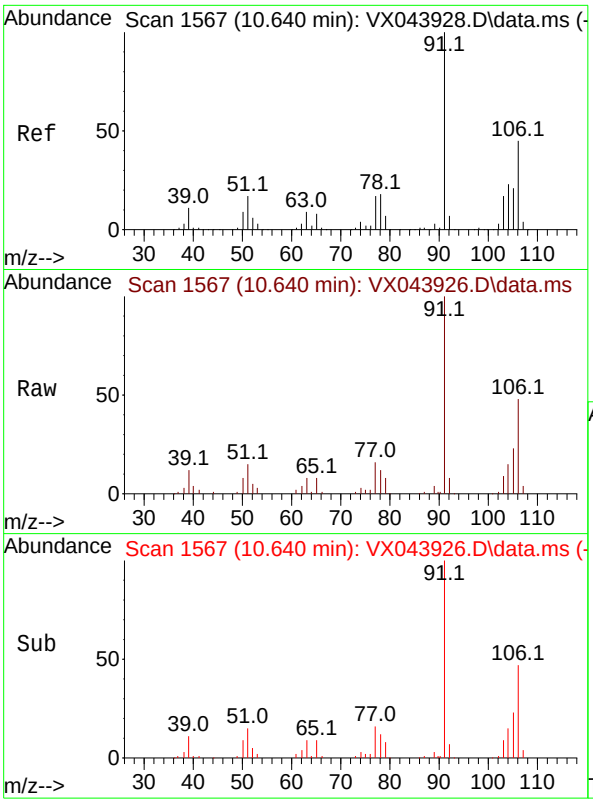


#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

Ion	Ratio	Lower	Upper
106	100		
91	208.0	168.1	252.1

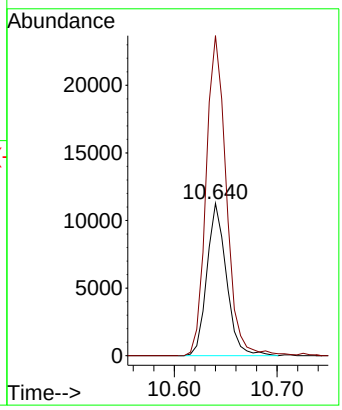




#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 1485

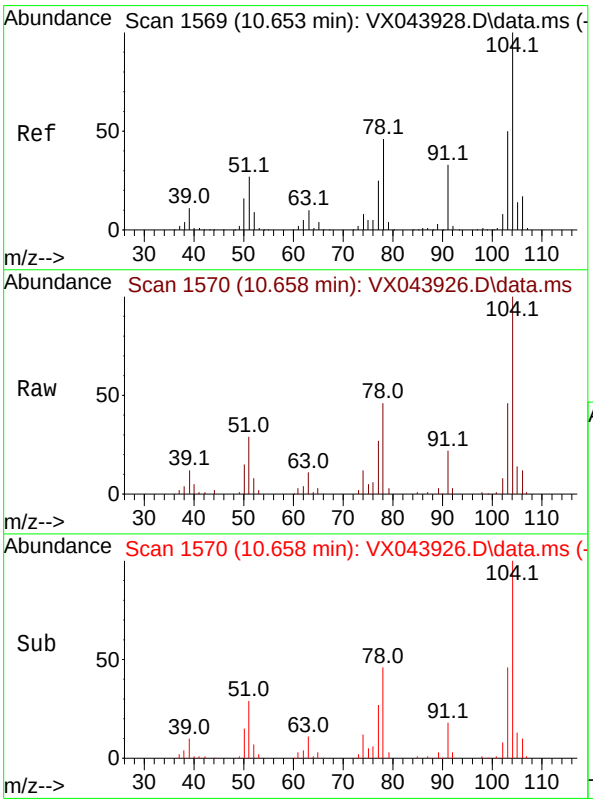
Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

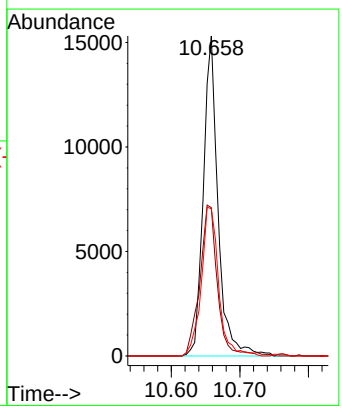
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

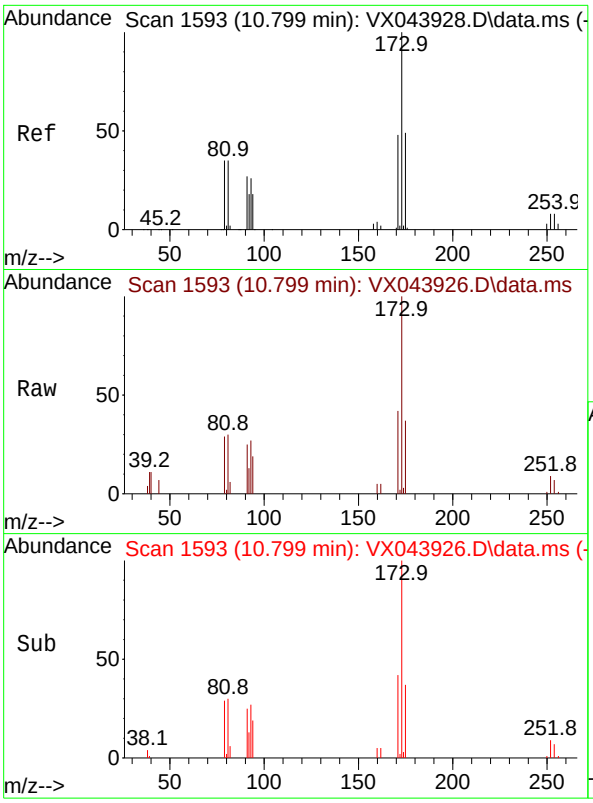


#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.2
103	54.8	44.7	67.1

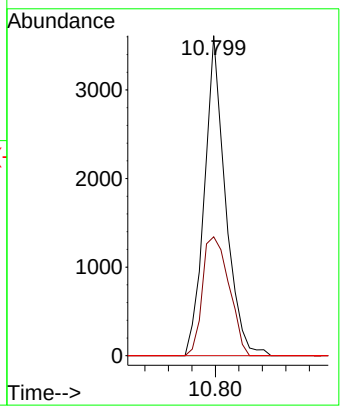




#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:173 Resp: 447

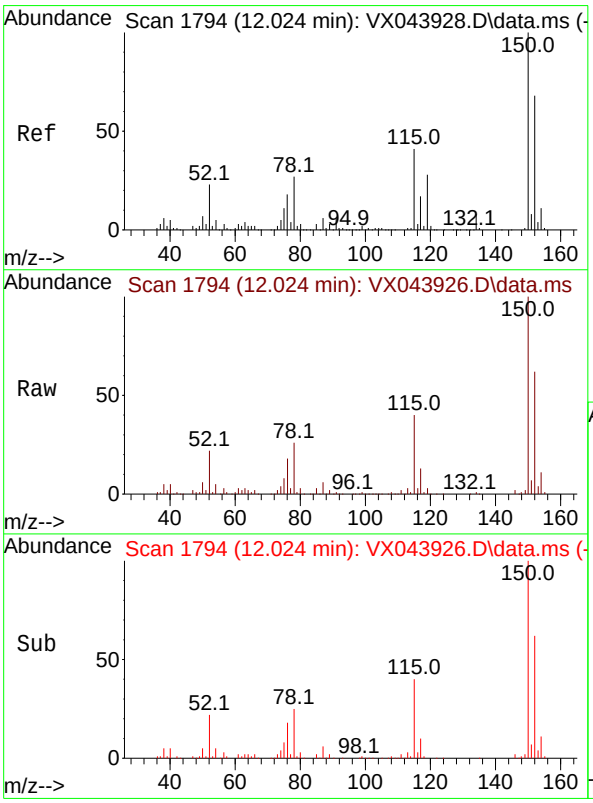
Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

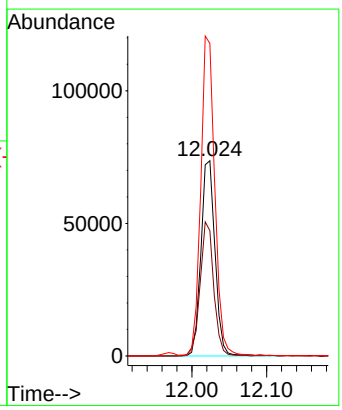
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

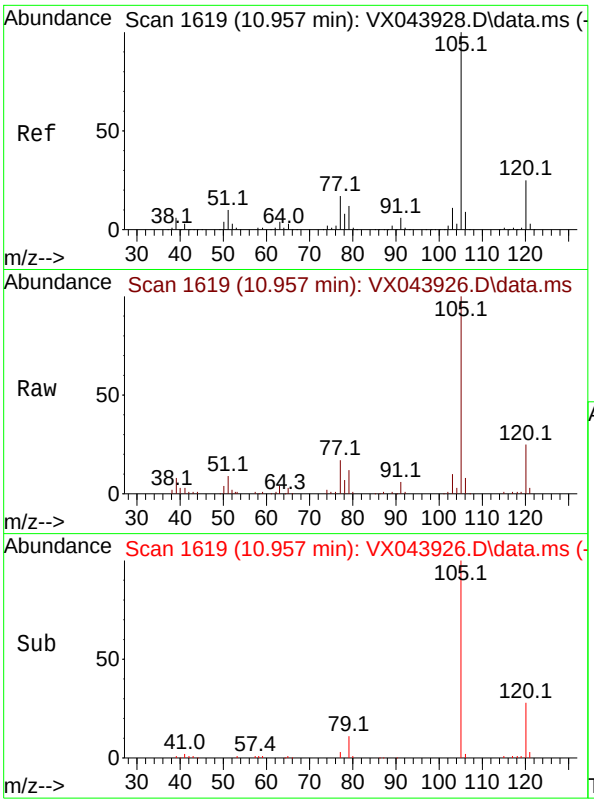


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

Ion	Ratio	Lower	Upper
152	100		
115	66.4	45.4	136.2
150	162.1	0.0	353.0





#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

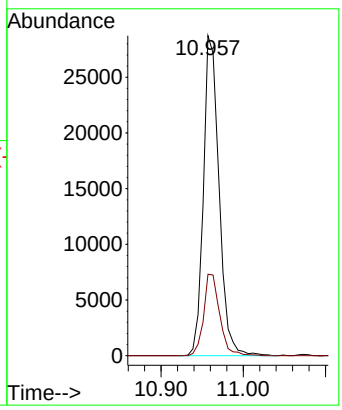
Tgt Ion:105 Resp: 3795

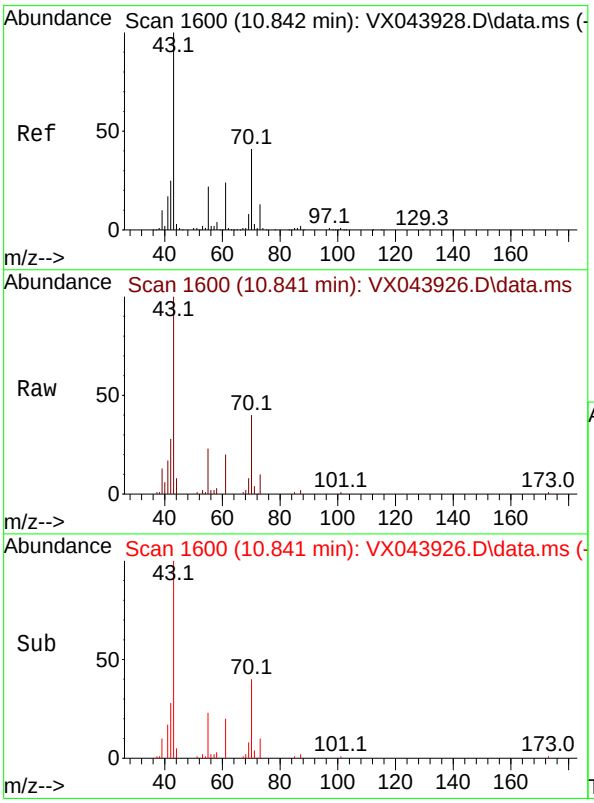
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

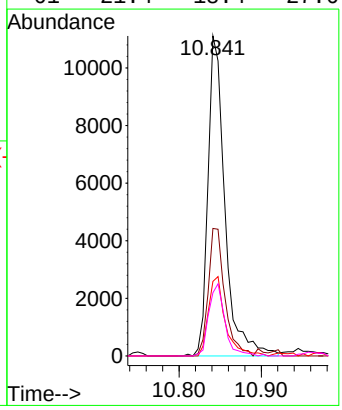


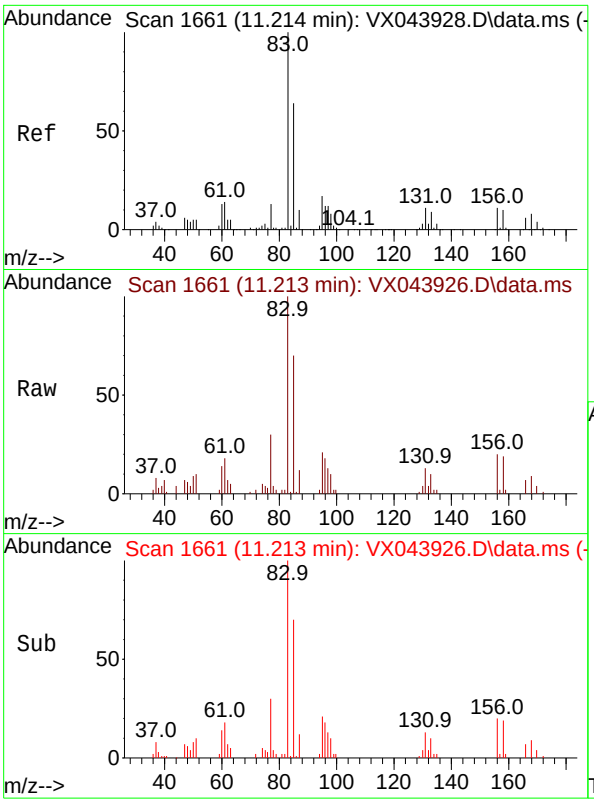


#74
N-amyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

Ion	Ratio	Lower	Upper
43	100		
70	38.5	32.2	48.2
55	24.8	18.1	27.1
61	21.4	18.4	27.6

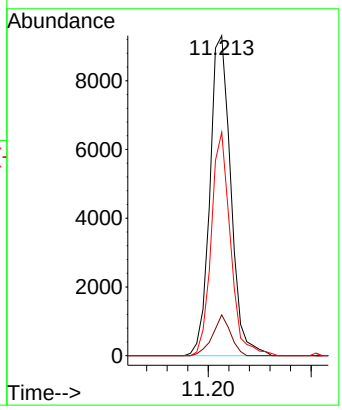




#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1310

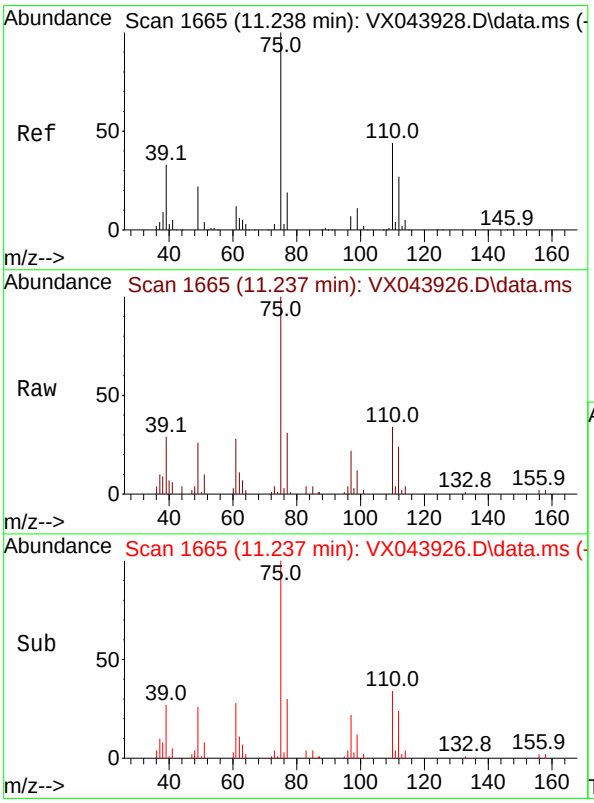
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.2
85	64.3	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

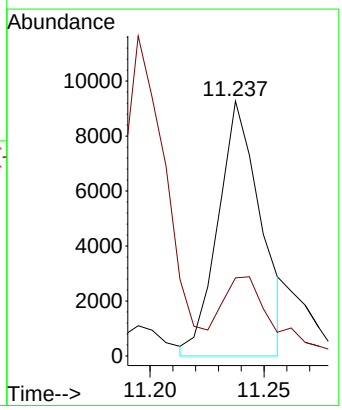
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

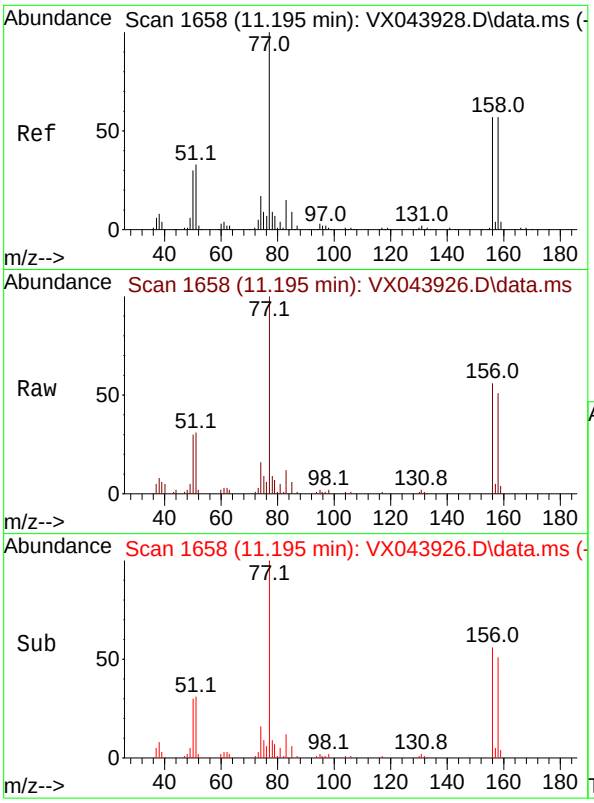


#76
1,2,3-Trichloropropane
Concen: 5.776 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12040

Ion	Ratio	Lower	Upper
75	100		
77	37.4	21.8	65.3

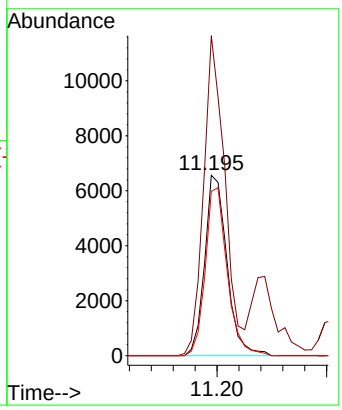




#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:156 Resp: 925

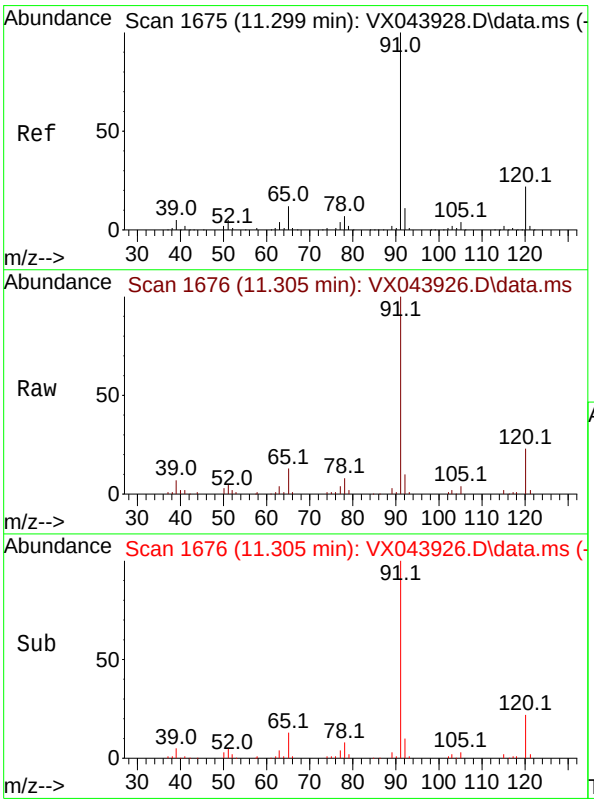
Ion	Ratio	Lower	Upper
156	100		
77	169.5	83.4	250.1
158	91.6	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

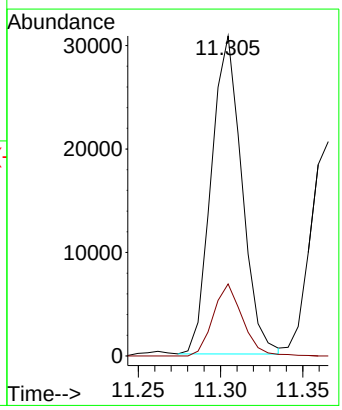
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

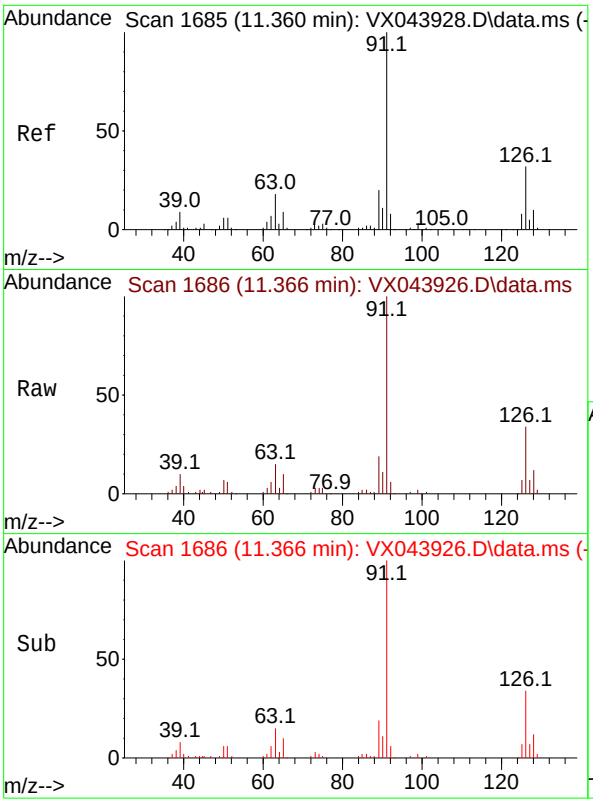


#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.4





#79
2-Chlorotoluene
Concen: 5.096 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

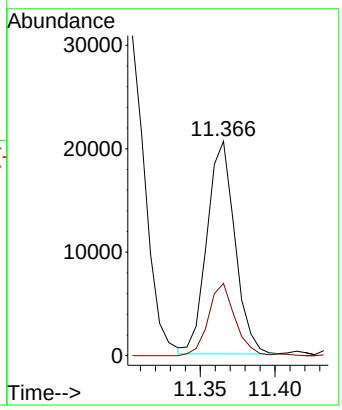
Tgt Ion: 91 Resp: 2674

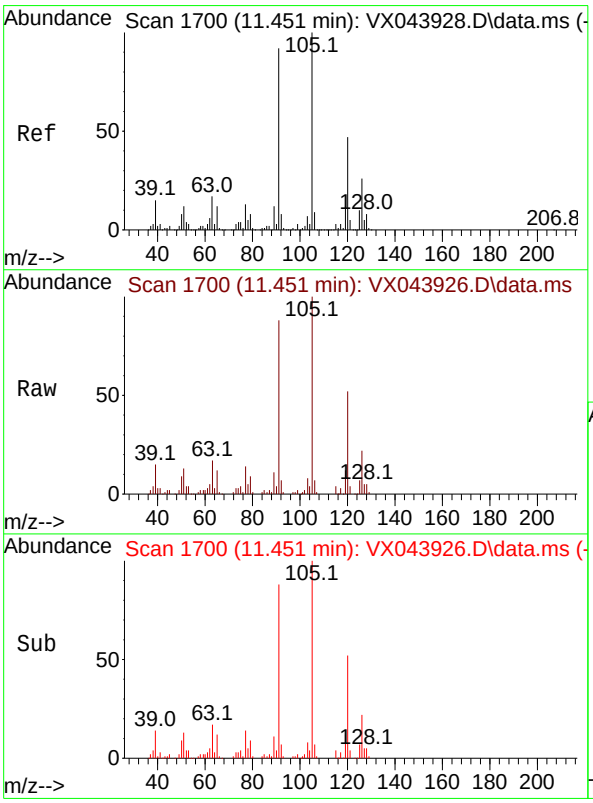
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

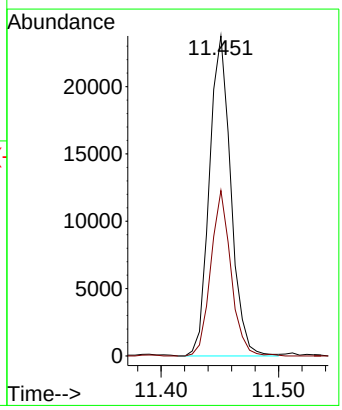


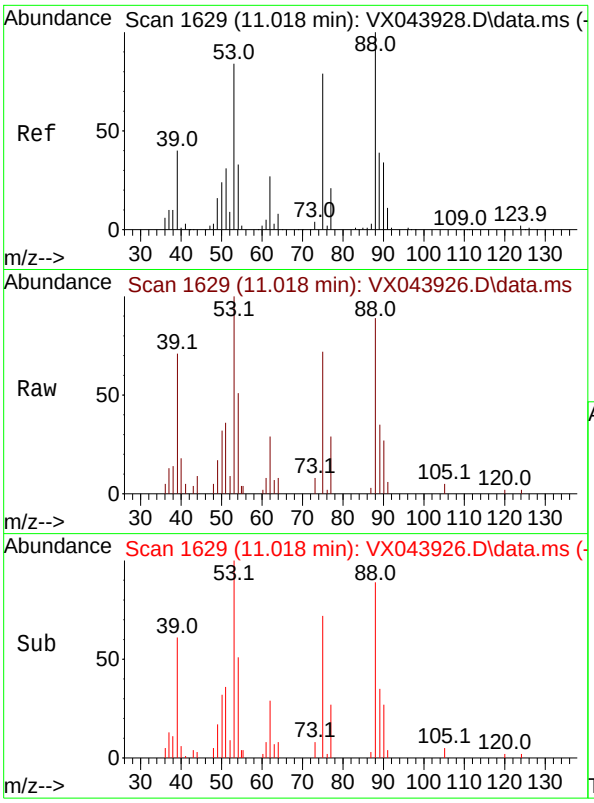


#80
1,3,5-Trimethylbenzene
Concen: 4.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.3	69.8

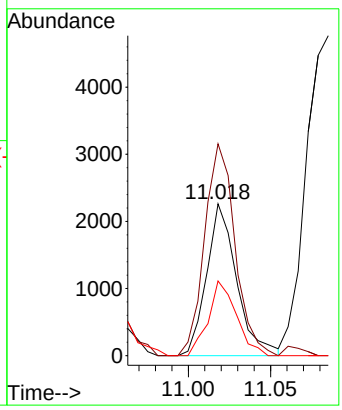




#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 288(

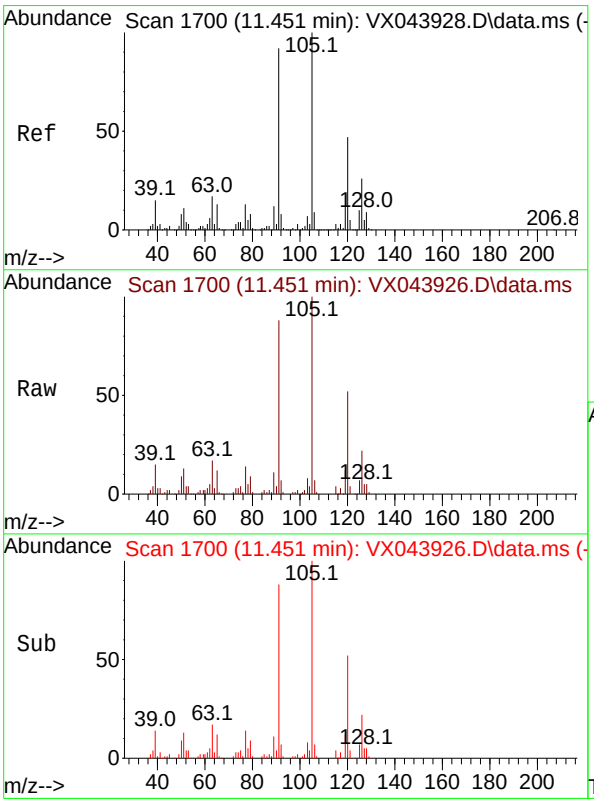
Ion	Ratio	Lower	Upper
75	100		
53	141.1	86.7	130.1#
89	45.9	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

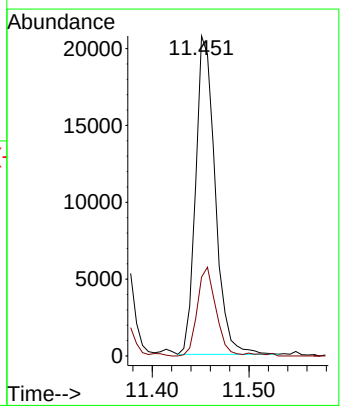
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

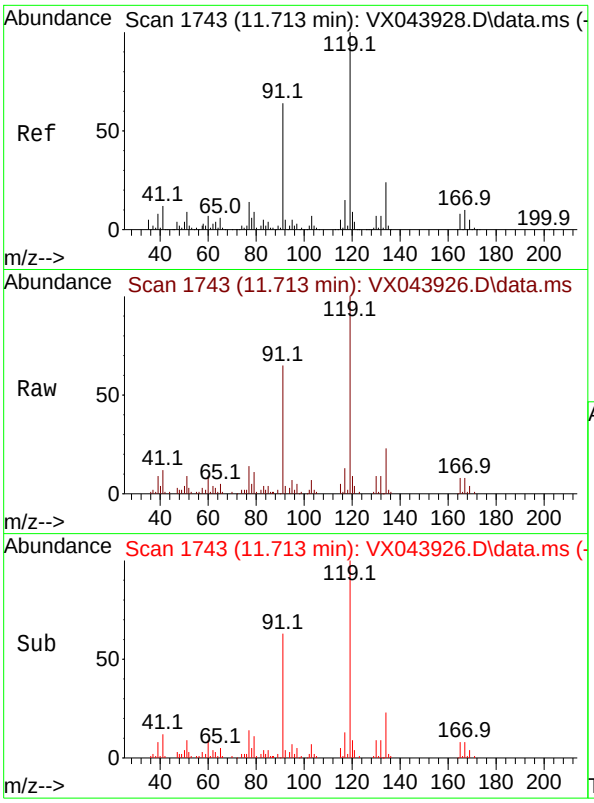


#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

Ion	Ratio	Lower	Upper
91	100		
126	26.7	14.3	42.9





#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

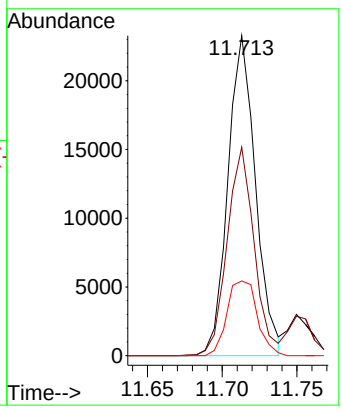
Tgt Ion:119 Resp: 2993

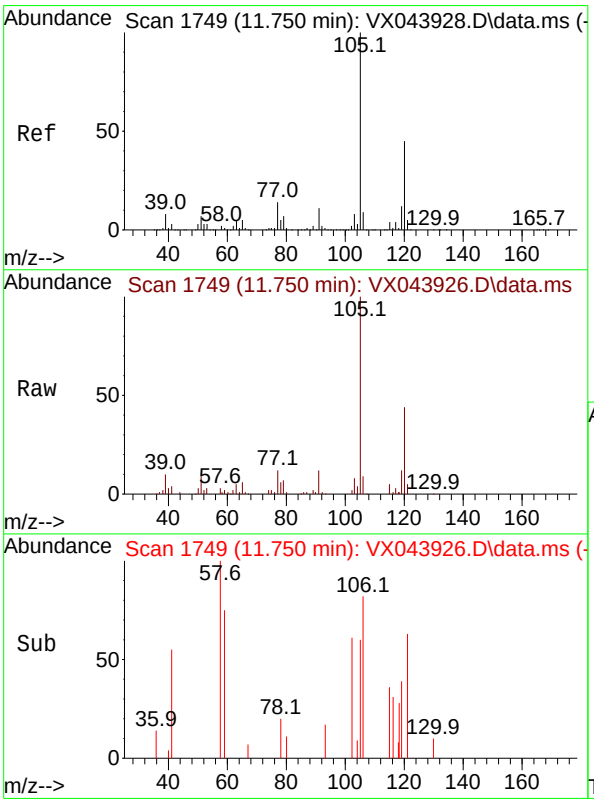
Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.0	93.0
134	25.6	11.6	34.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

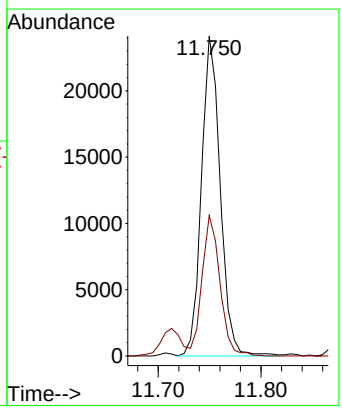


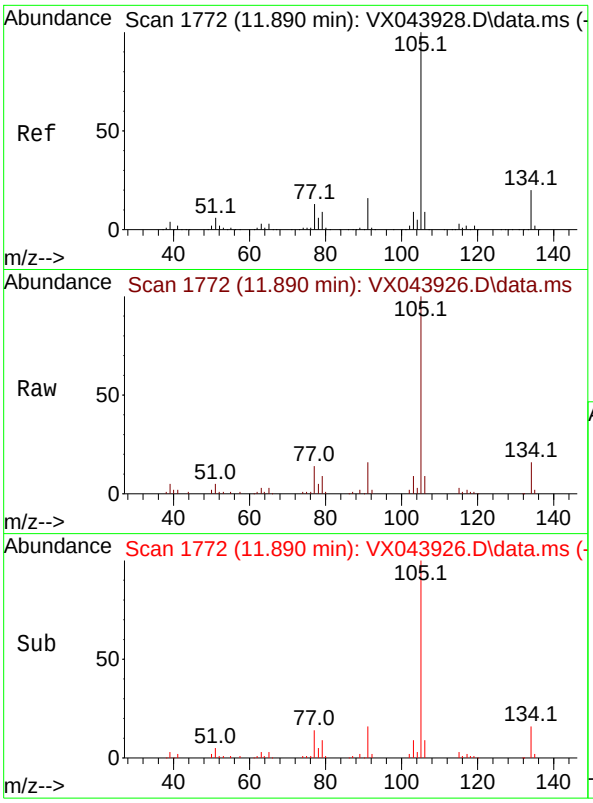


#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

Ion	Ratio	Lower	Upper
105	100		
120	41.6	21.9	65.7

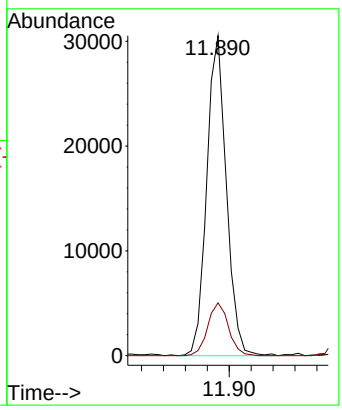




#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 3789

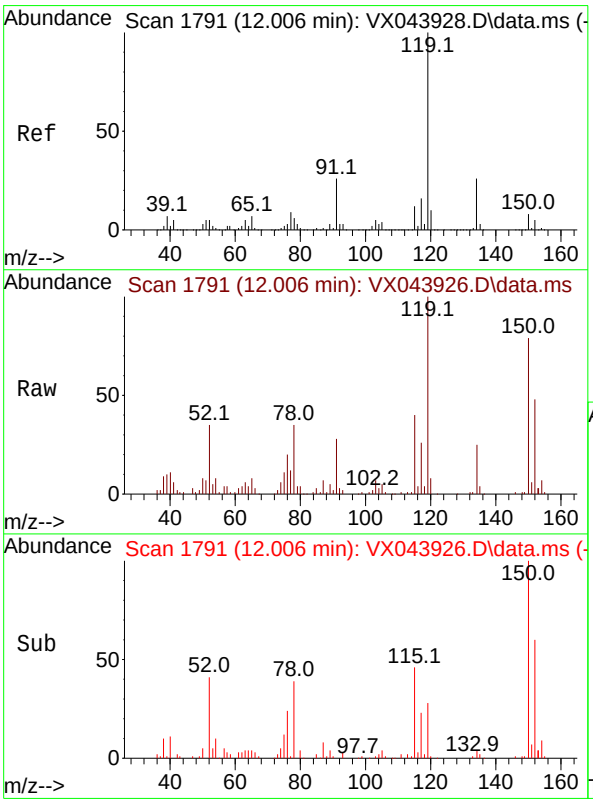
Ion	Ratio	Lower	Upper
105	100		
134	17.5	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

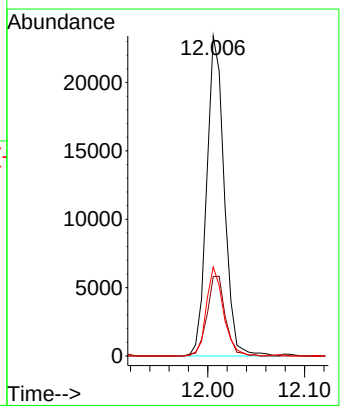
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

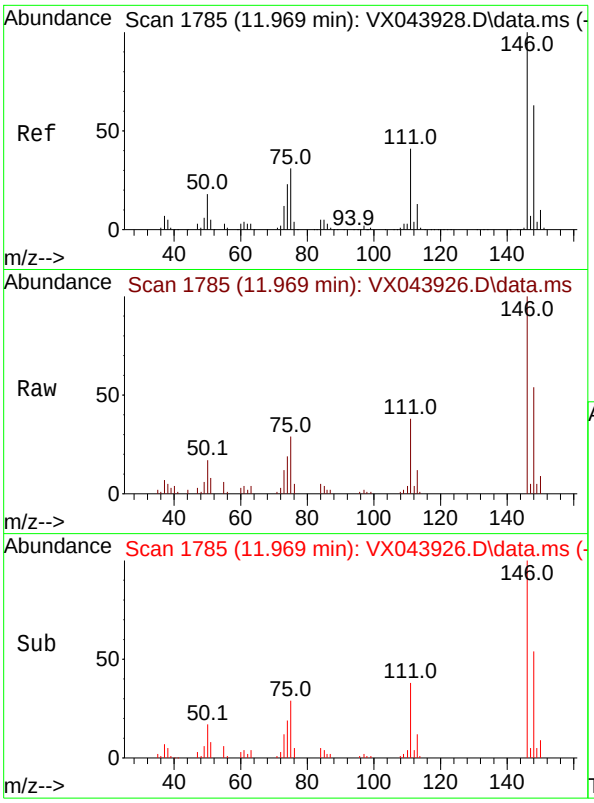


#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	27.3	13.0	38.9

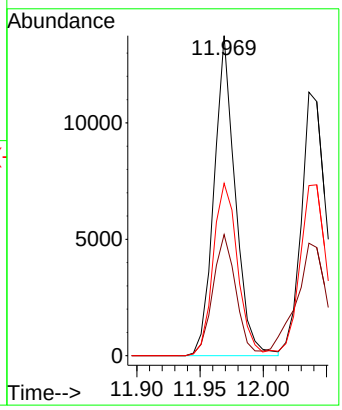




#87
1,3-Dichlorobenzene
Concen: 4.959 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 1600

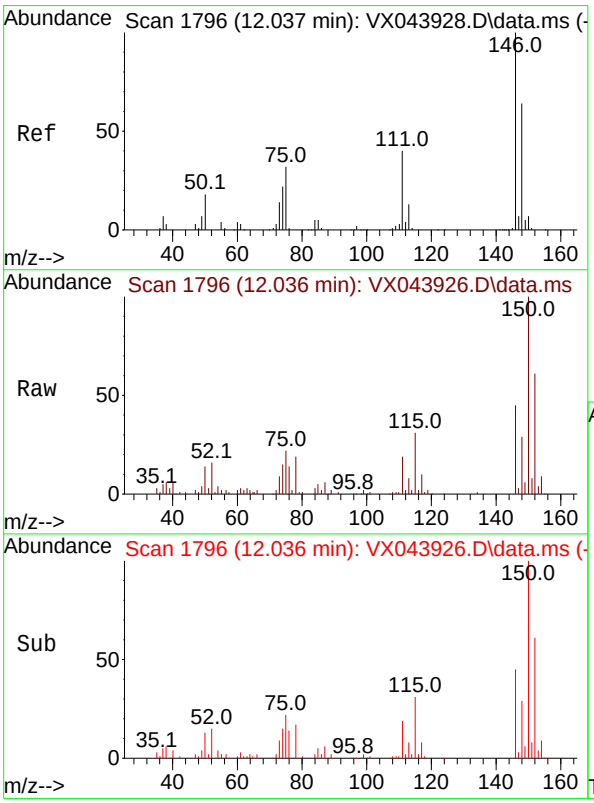
Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	62.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

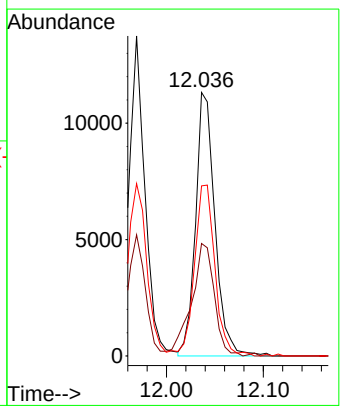
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

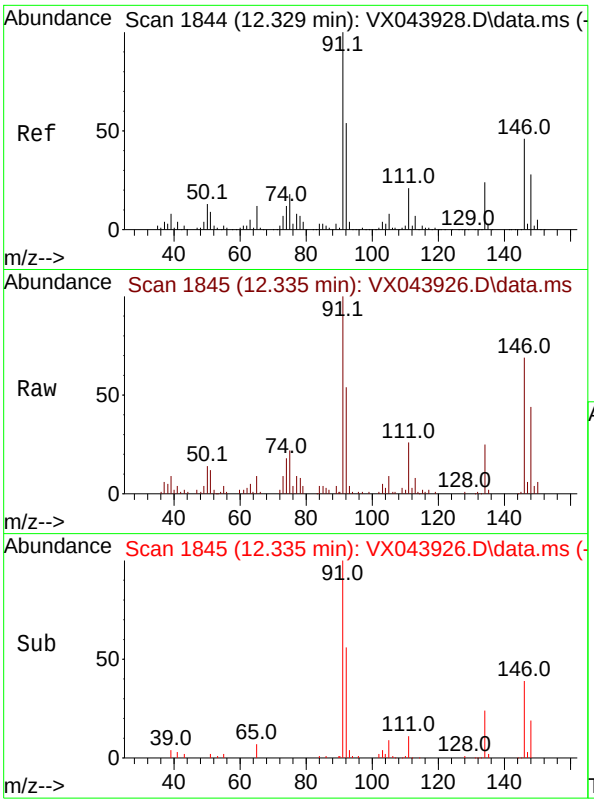


#88
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

Ion	Ratio	Lower	Upper
146	100		
111	50.2	20.1	60.3
148	67.9	30.9	92.8

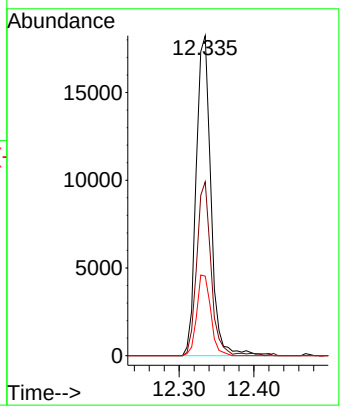




#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 2493

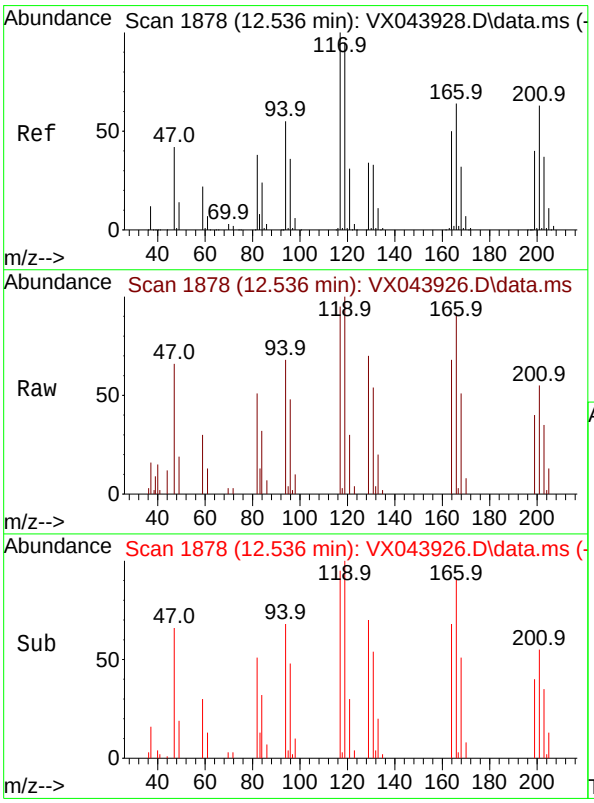
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.8
134	23.9	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

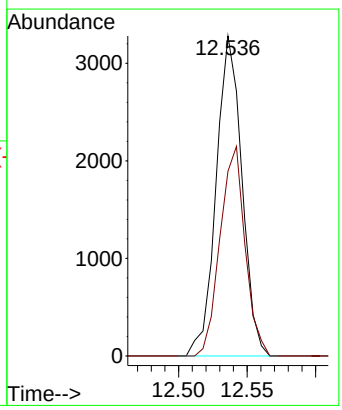
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

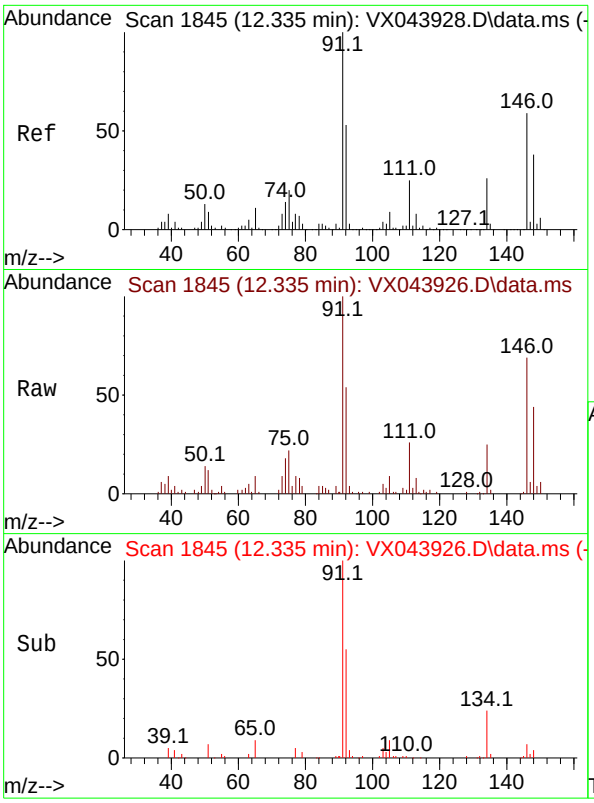


#90
Hexachloroethane
Concen: 4.173 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.4	97.0

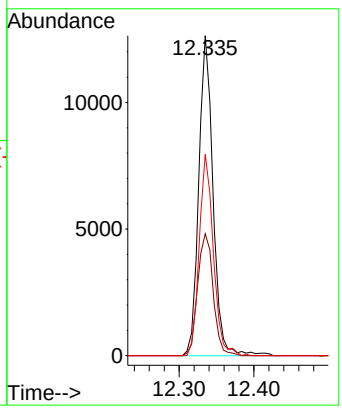




#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 1674

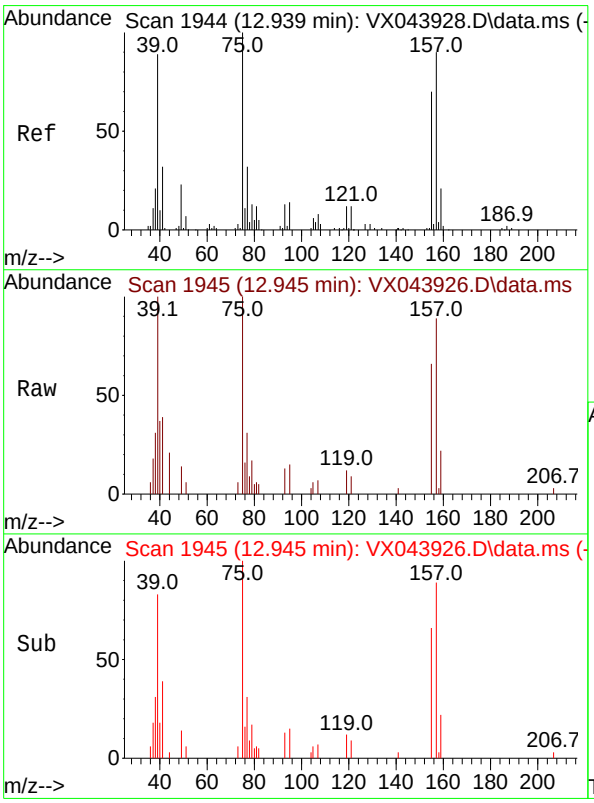
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	62.4	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

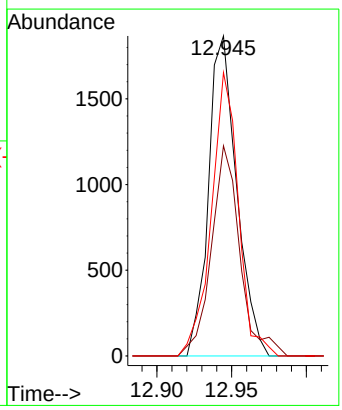
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

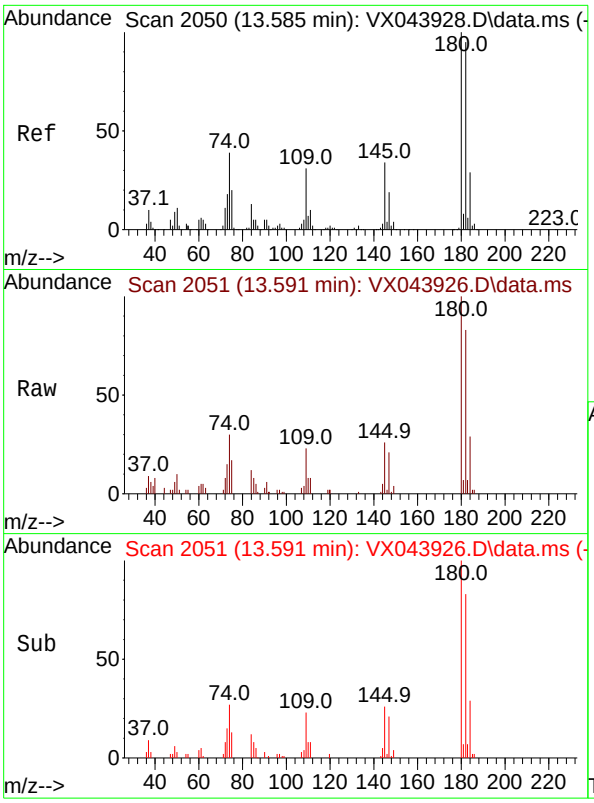


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

Ion	Ratio	Lower	Upper
75	100		
155	66.2	40.1	120.2
157	84.5	49.6	149.0

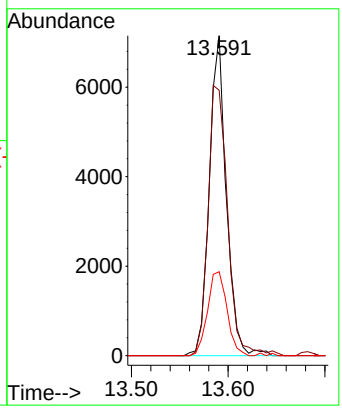




#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 874

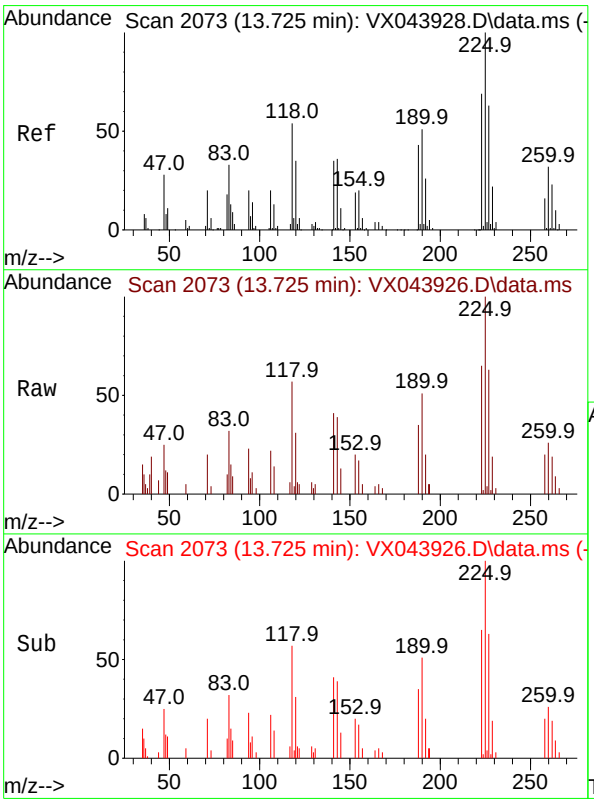
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.0	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

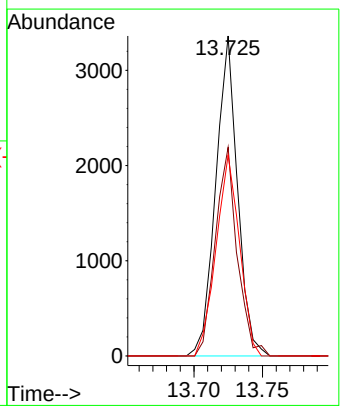
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

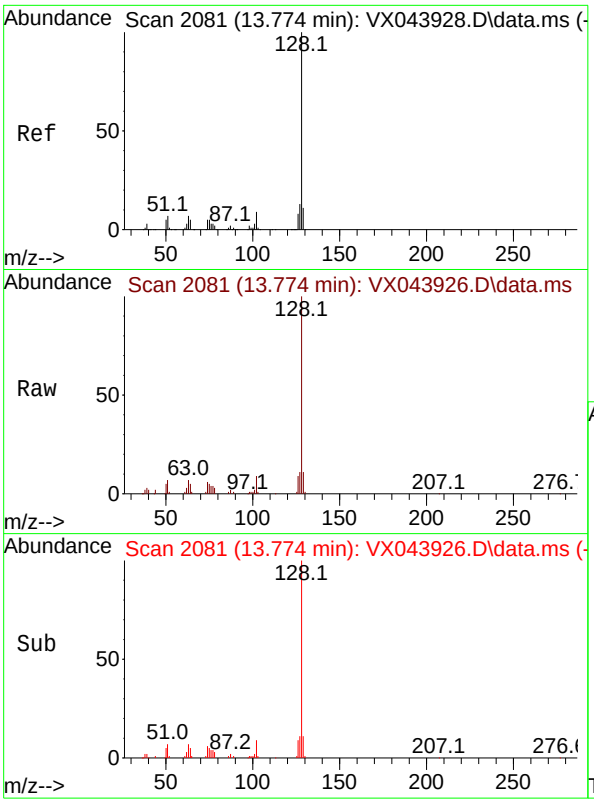


#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.9	98.6
227	67.5	31.6	94.8

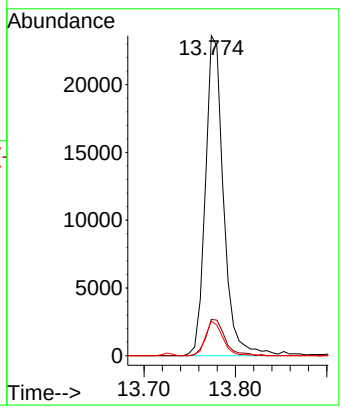




#95
Naphthalene
Concen: 4.698 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:128 Resp: 3248

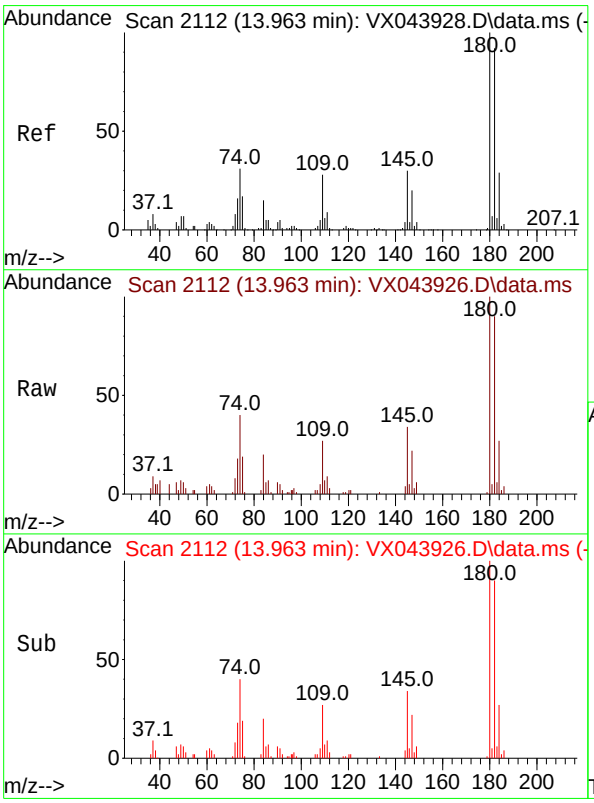
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	10.4	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

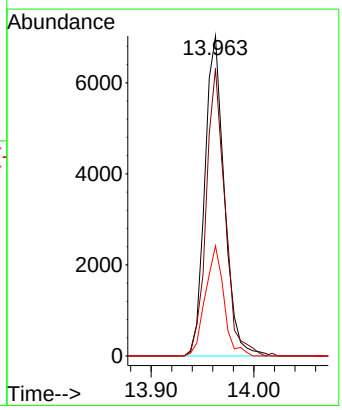
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 9280

Ion	Ratio	Lower	Upper
180	100		
182	86.7	45.6	136.8
145	32.7	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48239	22.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	45.640%#		
35) Dibromofluoromethane	5.385	113	35015	21.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	42.080%#		
50) Toluene-d8	8.647	98	122646	22.060	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	44.120%#		
62) 4-Bromofluorobenzene	11.079	95	41087	22.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	44.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	25.327	ug/l	98
3) Chloromethane	1.295	50	39622	22.767	ug/l	93
4) Vinyl Chloride	1.374	62	40173	22.975	ug/l	95
5) Bromomethane	1.593	94	24112	30.357	ug/l	98
6) Chloroethane	1.666	64	22213	26.595	ug/l	97
7) Trichlorofluoromethane	1.868	101	73464	29.469	ug/l	99
8) Diethyl Ether	2.136	74	25875	27.531	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	22.561	ug/l	96
10) Methyl Iodide	2.441	142	43047	20.733	ug/l	94
11) Tert butyl alcohol	3.002	59	36554	108.748	ug/l	100
12) 1,1-Dichloroethene	2.307	96	32180	22.474	ug/l	96
13) Acrolein	2.240	56	35249	93.505	ug/l	99
14) Allyl chloride	2.660	41	53053	22.853	ug/l #	88
15) Acrylonitrile	3.069	53	94417	109.118	ug/l	99
16) Acetone	2.386	43	110373	130.004	ug/l	89
17) Carbon Disulfide	2.502	76	59349	18.983	ug/l	98
18) Methyl Acetate	2.709	43	50136	21.564	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	121776	23.009	ug/l	100
20) Methylene Chloride	2.788	84	37633	21.177	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	33545	21.489	ug/l	100
22) Diisopropyl ether	3.764	45	119475	23.557	ug/l	91
23) Vinyl Acetate	3.721	43	504408	122.699	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	22.540	ug/l	99
25) 2-Butanone	4.568	43	148152	124.741	ug/l	97
26) 2,2-Dichloropropane	4.471	77	58444	23.843	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	41866	21.551	ug/l	94
28) Bromochloromethane	4.891	49	26507	21.119	ug/l	90
29) Tetrahydrofuran	5.013	42	87736	114.321	ug/l	98
30) Chloroform	5.087	83	72049	23.172	ug/l	97
31) Cyclohexane	5.458	56	53731	22.225	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62394	23.474	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44465	21.438	ug/l	99
37) Ethyl Acetate	4.715	43	54426	23.316	ug/l	97
38) Carbon Tetrachloride	5.672	117	48701	22.179	ug/l	99
39) Methylcyclohexane	7.379	83	55958	21.551	ug/l	99
40) Benzene	6.025	78	144401	22.144	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	28938	23.789	ug/l		95
42) 1,2-Dichloroethane	6.086	62	57981	24.487	ug/l		98
43) Isopropyl Acetate	6.349	43	88577	24.054	ug/l		94
44) Trichloroethene	7.117	130	36440	20.270	ug/l		95
45) 1,2-Dichloropropane	7.428	63	35791	22.394	ug/l		97
46) Dibromomethane	7.580	93	27799	23.082	ug/l		96
47) Bromodichloromethane	7.818	83	49665	23.471	ug/l	#	94
48) Methyl methacrylate	7.690	41	41962	22.991	ug/l	#	87
49) 1,4-Dioxane	7.665	88	12071	310.503	ug/l	#	62
51) 4-Methyl-2-Pentanone	8.574	43	278479	121.285	ug/l		95
52) Toluene	8.714	92	87569	23.277	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	50294	23.425	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	56407	23.184	ug/l	#	91
55) 1,1,2-Trichloroethane	9.153	97	37148	25.308	ug/l		96
56) Ethyl methacrylate	9.116	69	56585	24.347	ug/l	#	88
57) 1,3-Dichloropropane	9.305	76	61420	24.976	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	112.277	ug/l		96
59) 2-Hexanone	9.433	43	213629	131.869	ug/l		93
60) Dibromochloromethane	9.519	129	34133	23.864	ug/l		100
61) 1,2-Dibromoethane	9.610	107	36985	24.156	ug/l		99
64) Tetrachloroethene	9.269	164	29274	20.948	ug/l		98
65) Chlorobenzene	10.080	112	96469	21.197	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	21.360	ug/l		98
67) Ethyl Benzene	10.189	91	166435	21.731	ug/l		98
68) m/p-Xylenes	10.299	106	122658	42.997	ug/l		95
69) o-Xylene	10.640	106	60254	21.648	ug/l		94
70) Styrene	10.653	104	102329	22.308	ug/l		97
71) Bromoform	10.799	173	19329	19.555	ug/l	#	97
73) Isopropylbenzene	10.964	105	157405	22.393	ug/l		99
74) N-amyl acetate	10.842	43	73525	23.459	ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	22.787	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	45423m	22.601	ug/l		
77) Bromobenzene	11.195	156	37631	21.843	ug/l		97
78) n-propylbenzene	11.305	91	176034	22.696	ug/l		98
79) 2-Chlorotoluene	11.360	91	112986	22.894	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	22.662	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	20.654	ug/l		88
82) 4-Chlorotoluene	11.451	91	125521	22.085	ug/l		99
83) tert-Butylbenzene	11.713	119	128636	21.582	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	132595	22.408	ug/l		99
85) sec-Butylbenzene	11.890	105	156312	21.962	ug/l		98
86) p-Isopropyltoluene	12.006	119	130605	21.854	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.986	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.527	ug/l		98
89) n-Butylbenzene	12.329	91	110491	21.698	ug/l		98
90) Hexachloroethane	12.536	117	19547	19.432	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	67852	20.298	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	20.259	ug/l		93
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.894	ug/l		100
94) Hexachlorobutadiene	13.725	225	14818	18.508	ug/l		91
95) Naphthalene	13.774	128	145678	19.999	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.415	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

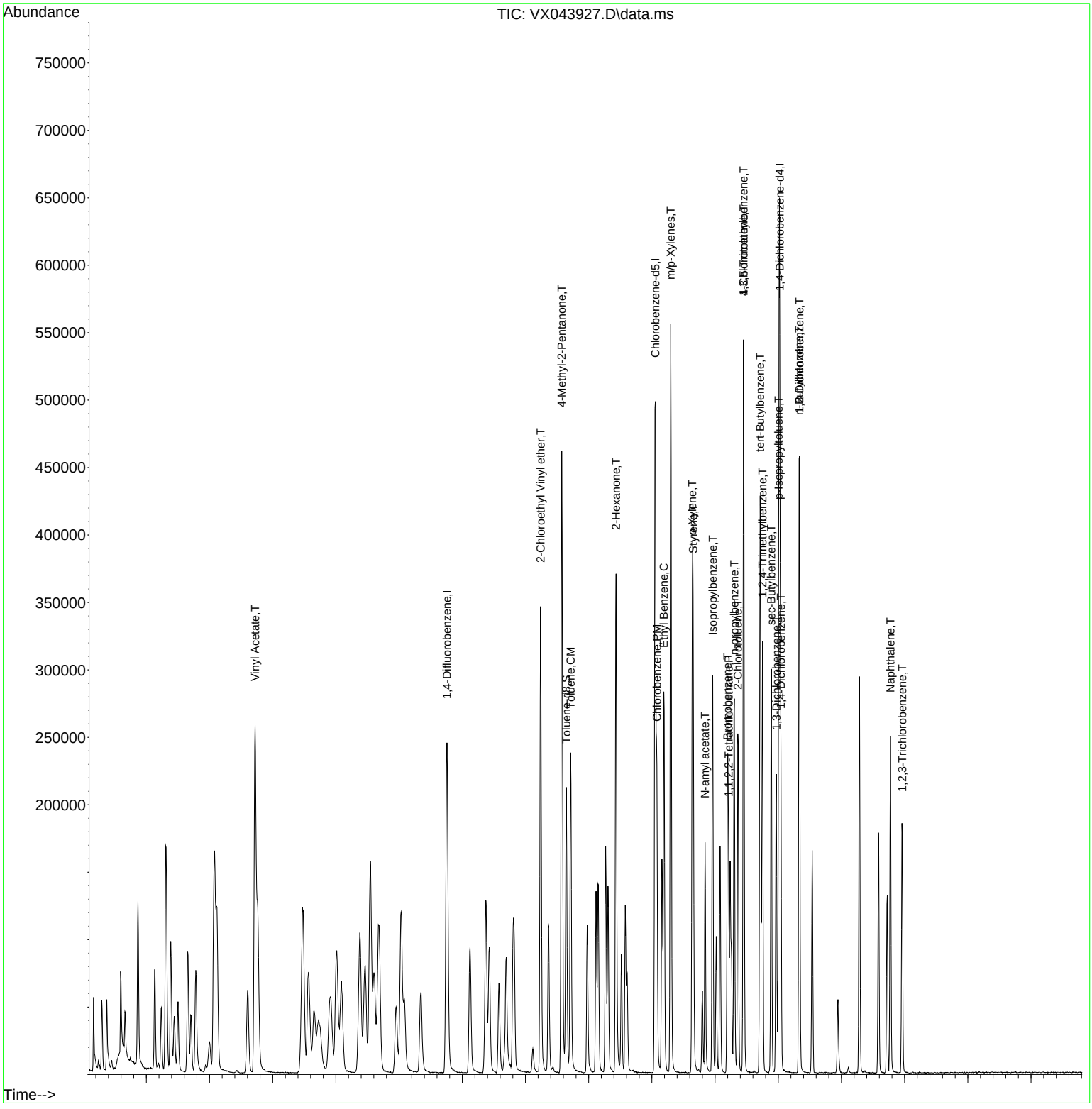
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

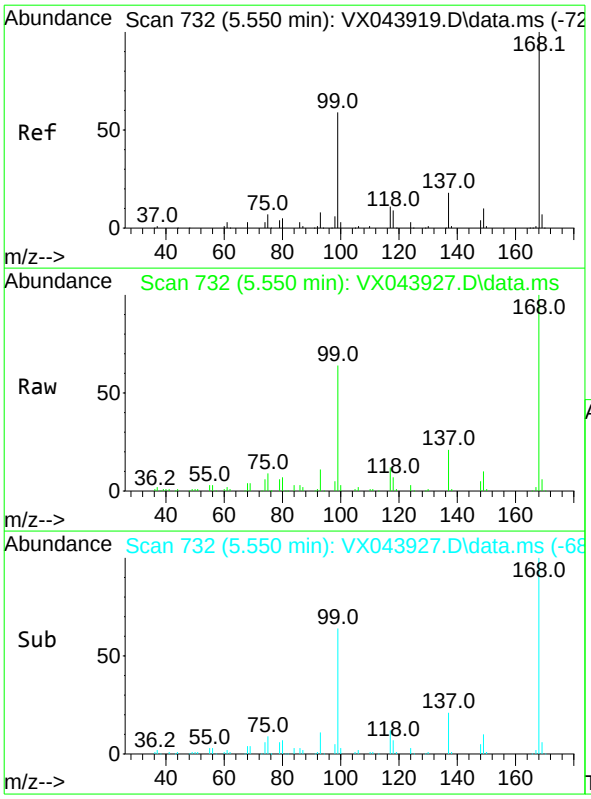
Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

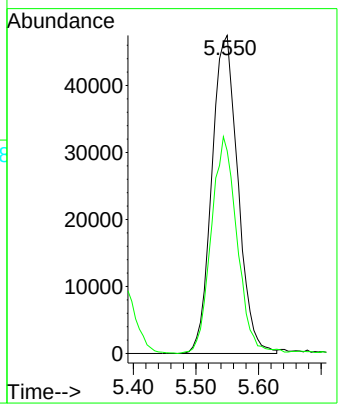




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:168 Resp: 137617

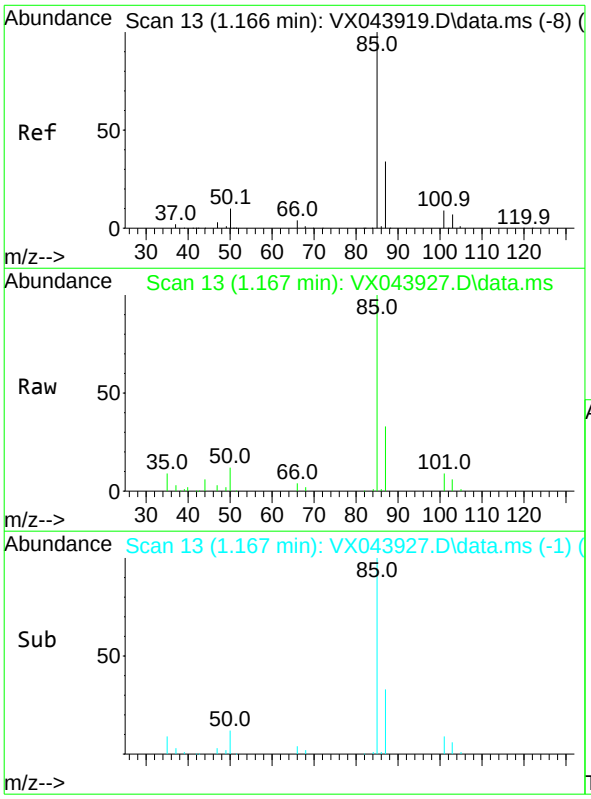
Ion	Ratio	Lower	Upper
168	100		
99	63.7	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

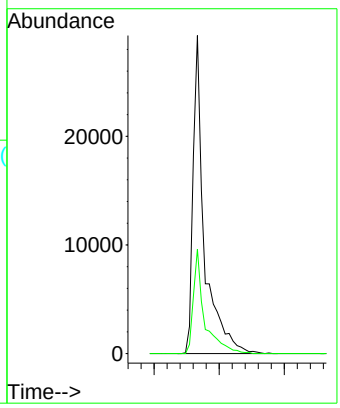
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

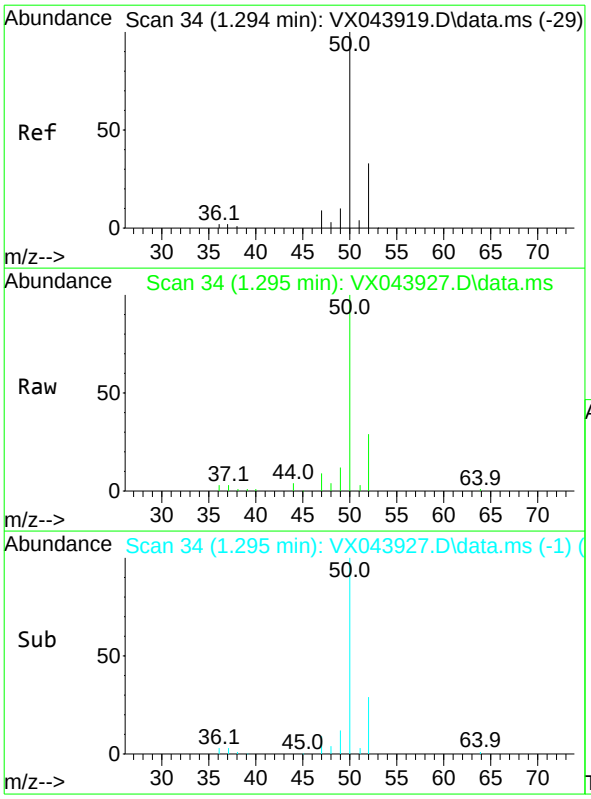


#2
Dichlorodifluoromethane
Concen: 25.327 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.1	51.2

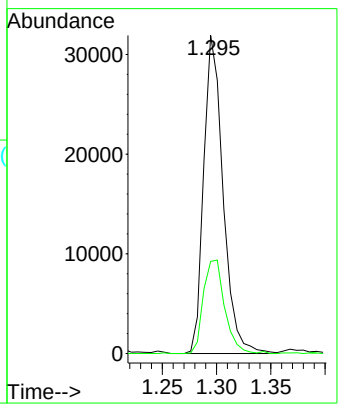




#3
Chloromethane
Concen: 22.767 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 50 Resp: 39622

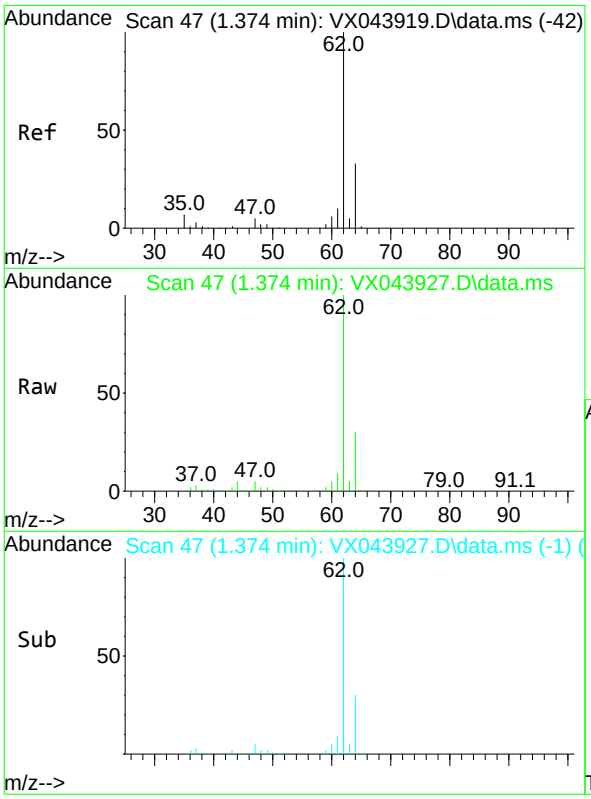
Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

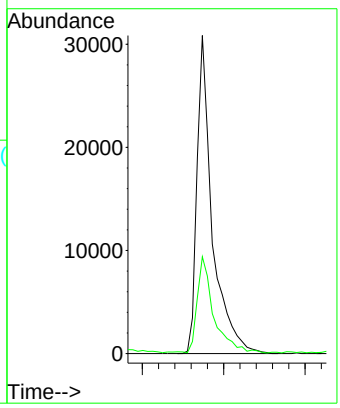
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

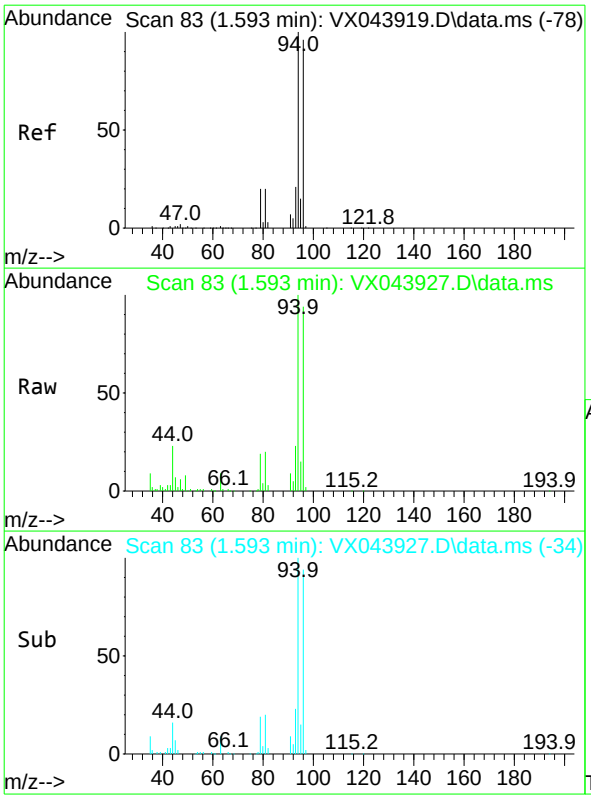


#4
Vinyl Chloride
Concen: 22.975 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.1	39.1

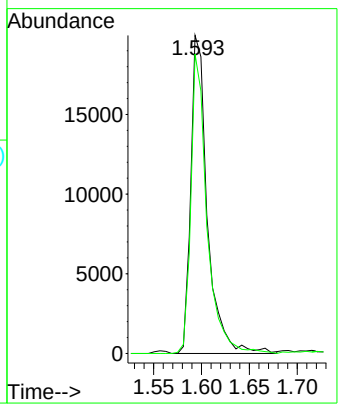




#5
Bromomethane
Concen: 30.357 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 94 Resp: 24112

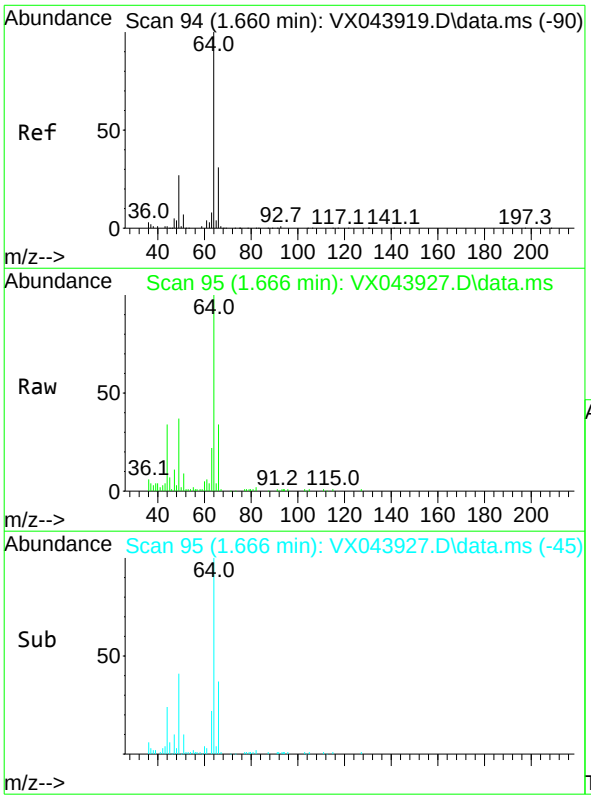
Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

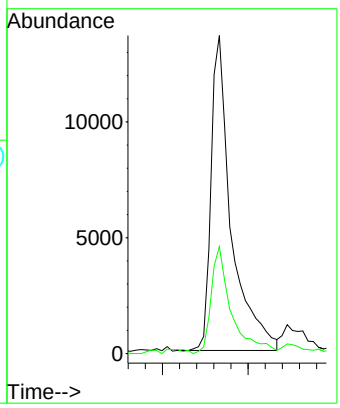
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

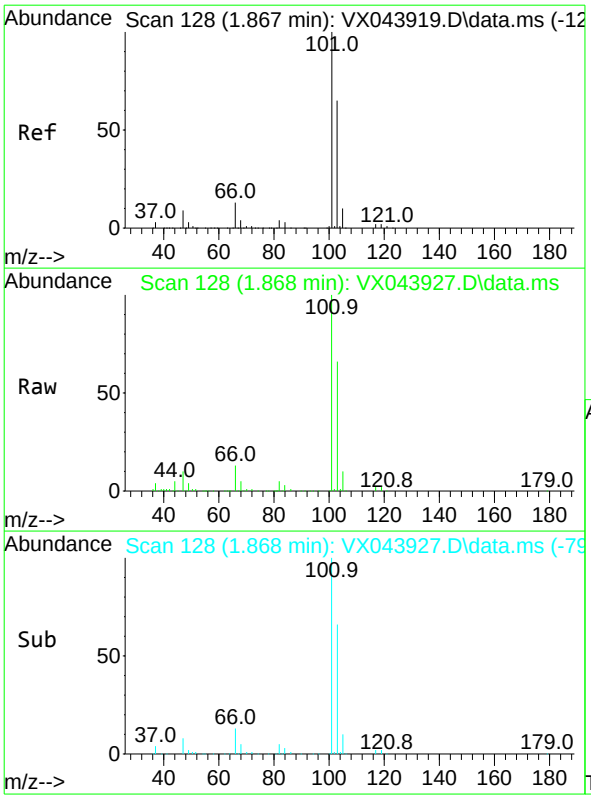


#6
Chloroethane
Concen: 26.595 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.9	37.3

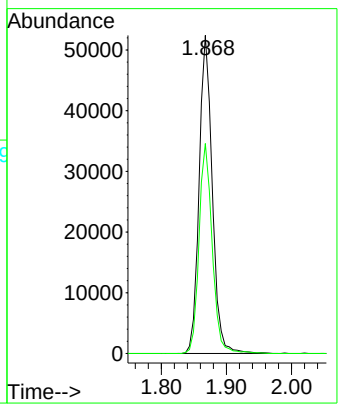




#7
Trichlorofluoromethane
Concen: 29.469 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:101 Resp: 73464

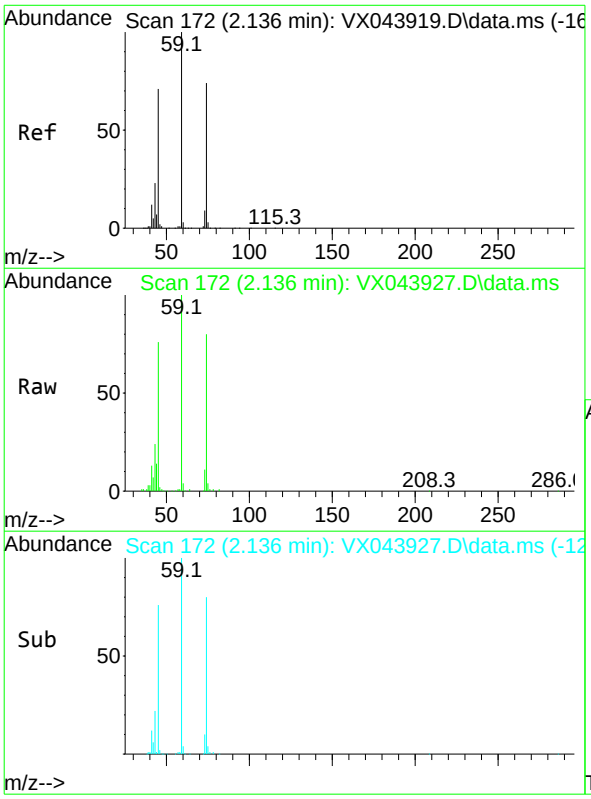
Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

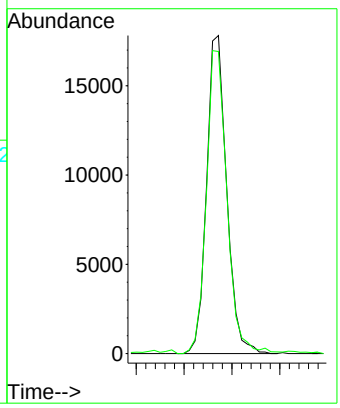
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

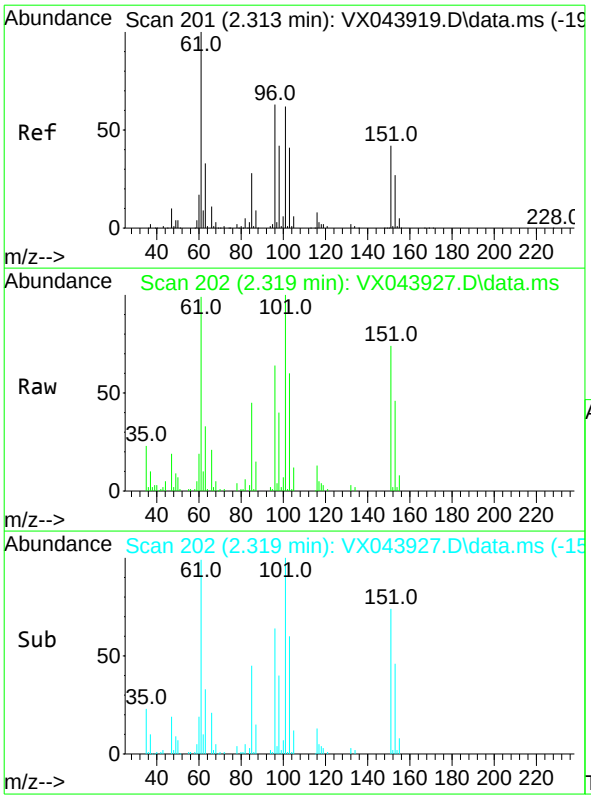


#8
Diethyl Ether
Concen: 27.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875

Ion	Ratio	Lower	Upper
74	100		
45	98.4	49.9	149.6

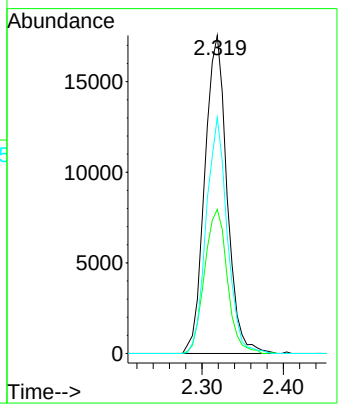




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.561 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:101 Resp: 33284

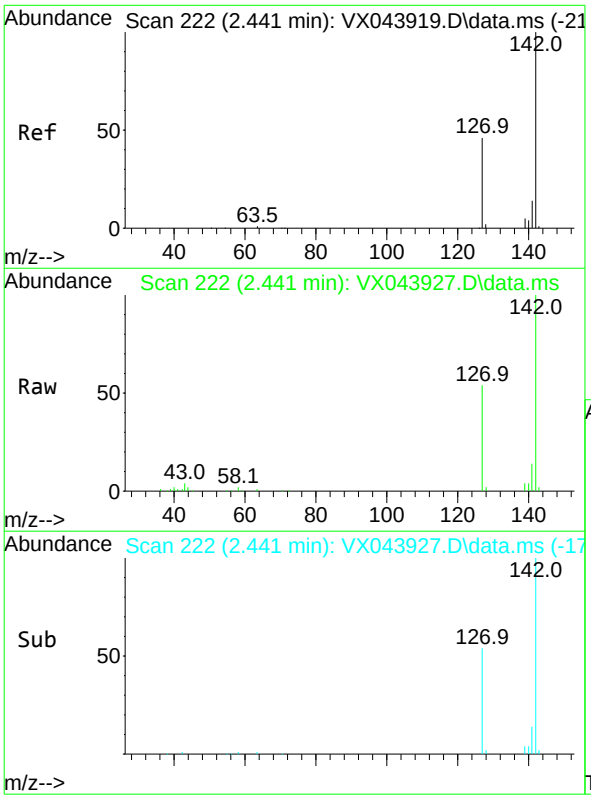
Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.6	54.8
151	70.1	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

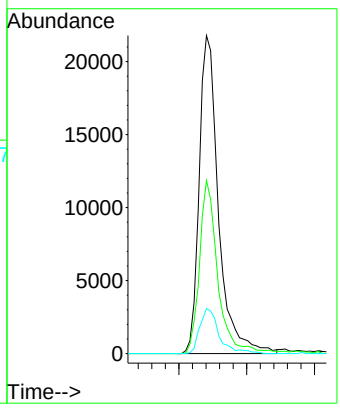
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

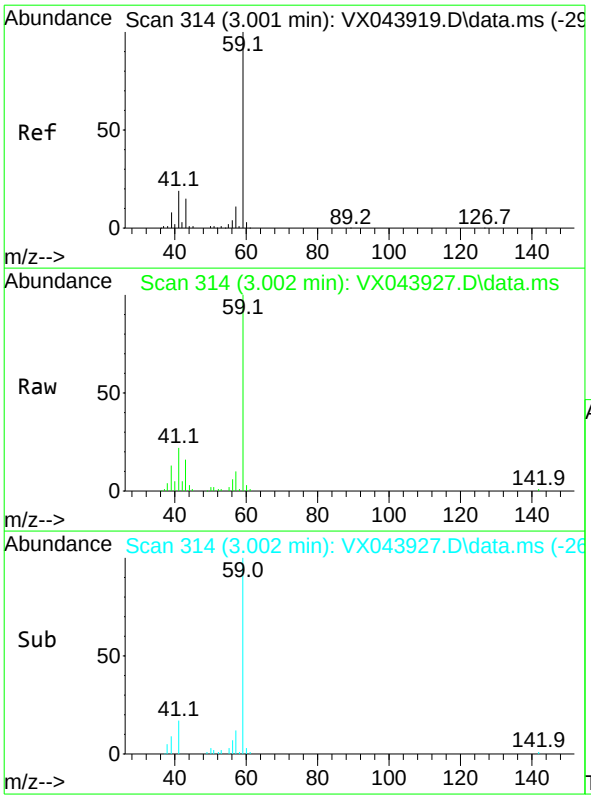


#10
Methyl Iodide
Concen: 20.733 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047

Ion	Ratio	Lower	Upper
142	100		
127	51.8	37.3	55.9
141	14.2	11.4	17.2

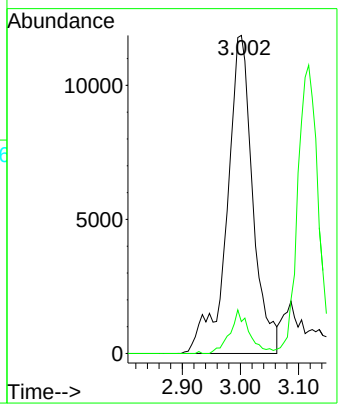




#11
Tert butyl alcohol
Concen: 108.748 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 59 Resp: 36554

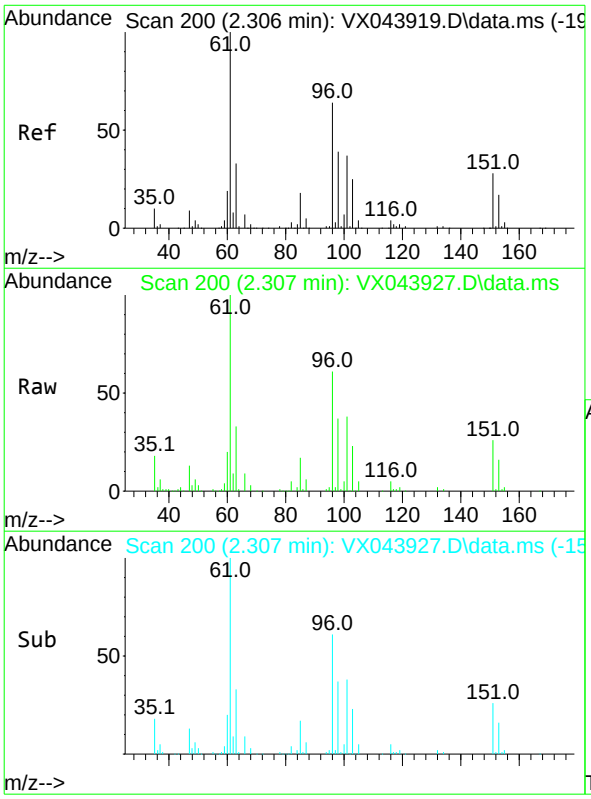
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

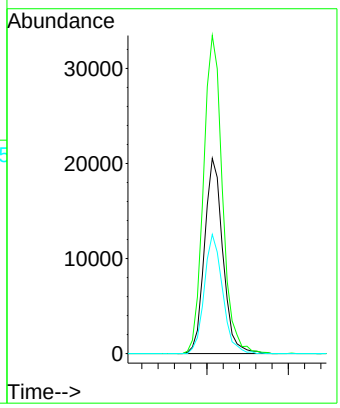
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

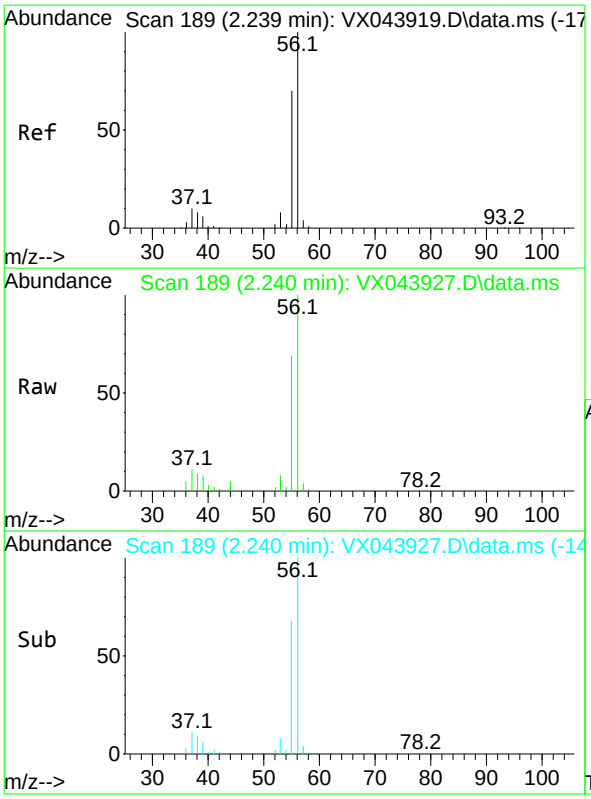


#12
1,1-Dichloroethene
Concen: 22.474 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180

Ion	Ratio	Lower	Upper
96	100		
61	162.9	124.6	187.0
98	61.0	49.0	73.6

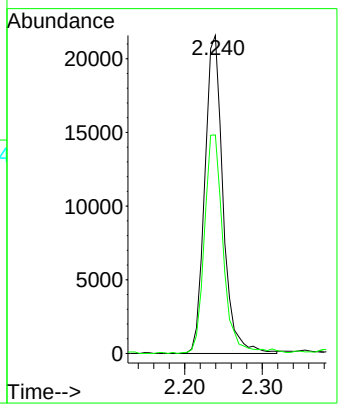




#13
Acrolein
Concen: 93.505 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 56 Resp: 35249

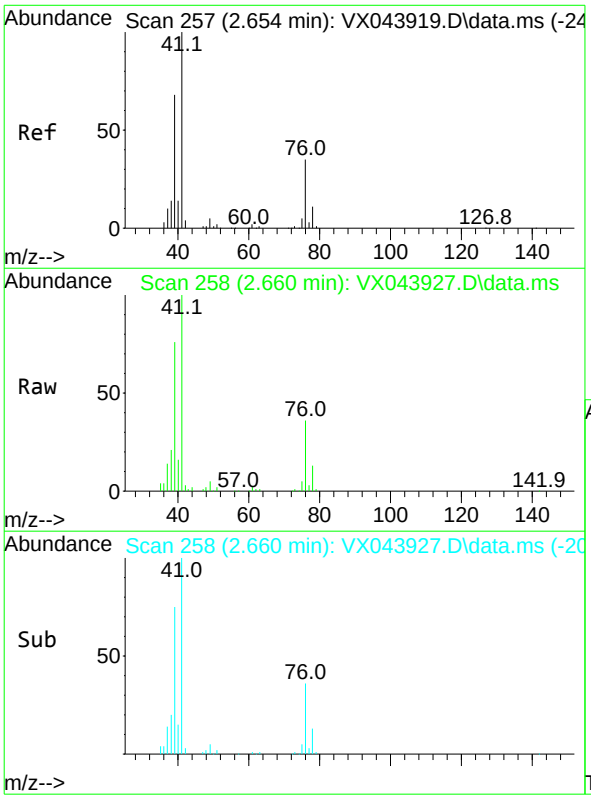
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

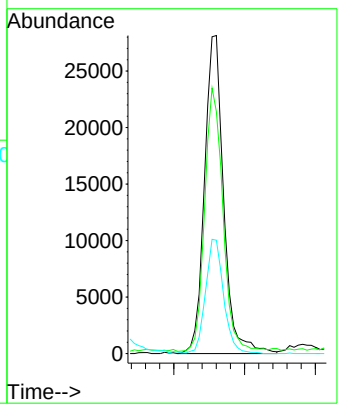
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

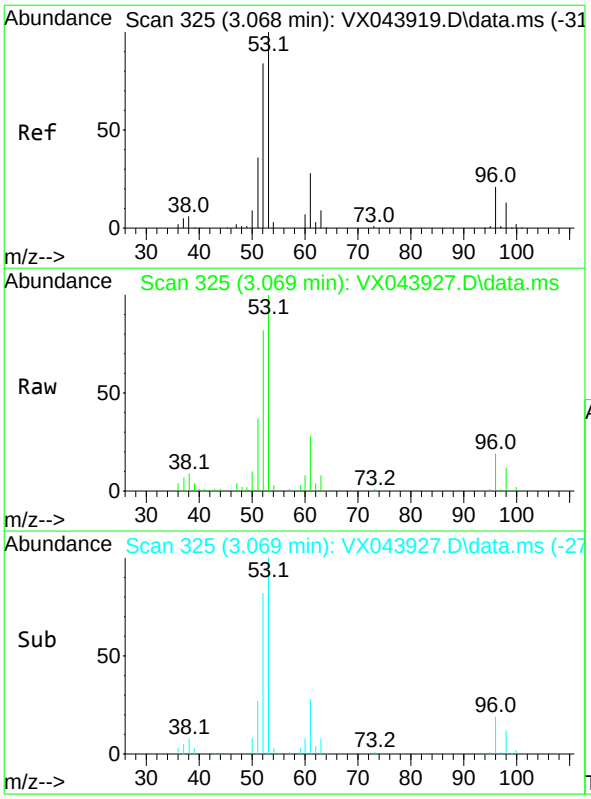


#14
Allyl chloride
Concen: 22.853 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 53053

Ion	Ratio	Lower	Upper
41	100		
39	78.7	51.7	77.5#
76	33.9	28.2	42.2

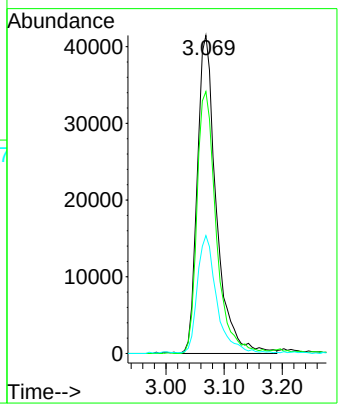




#15
Acrylonitrile
Concen: 109.118 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 53 Resp: 94417

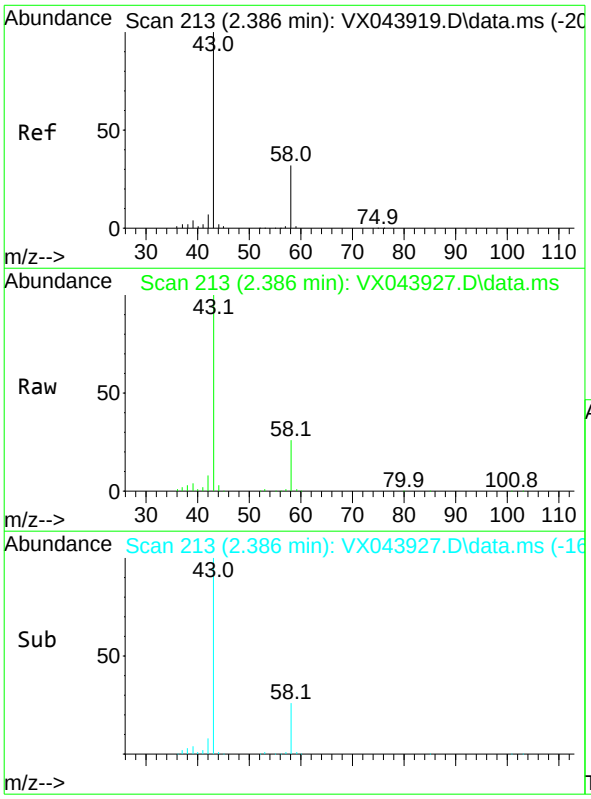
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.1	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

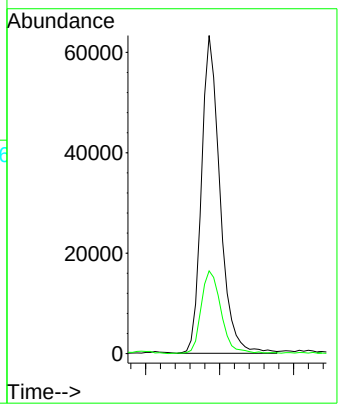
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

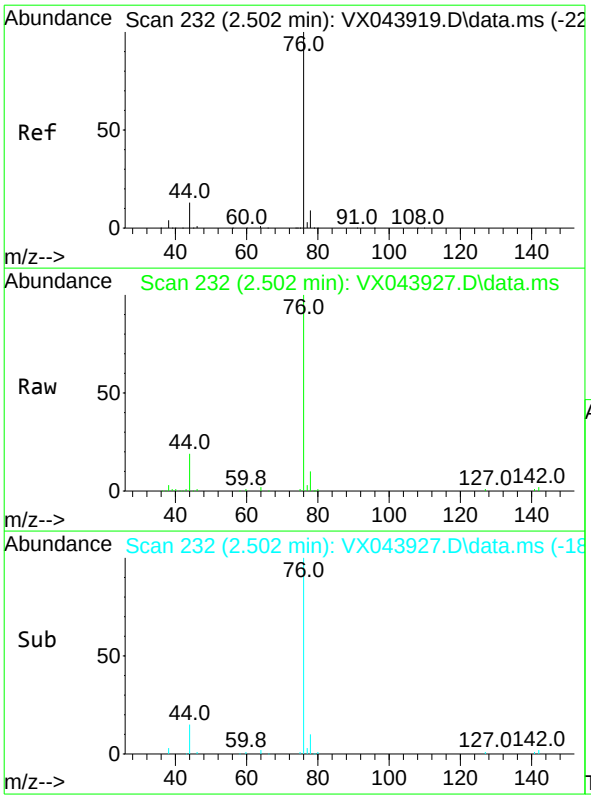


#16
Acetone
Concen: 130.004 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

Ion	Ratio	Lower	Upper
43	100		
58	25.9	25.8	38.6

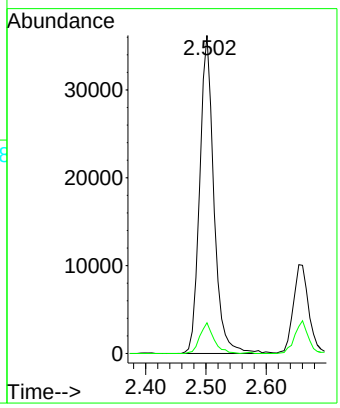




#17
Carbon Disulfide
Concen: 18.983 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 59349

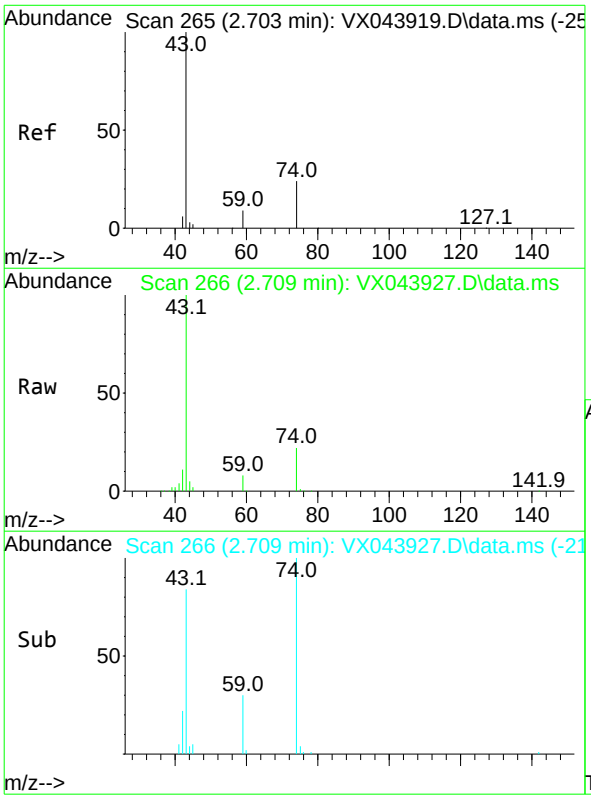
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

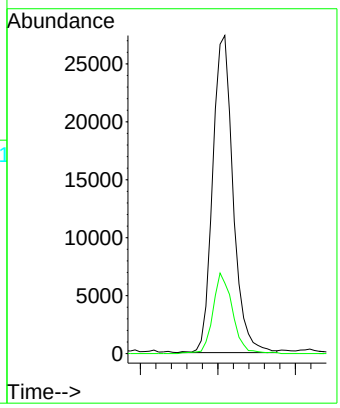
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

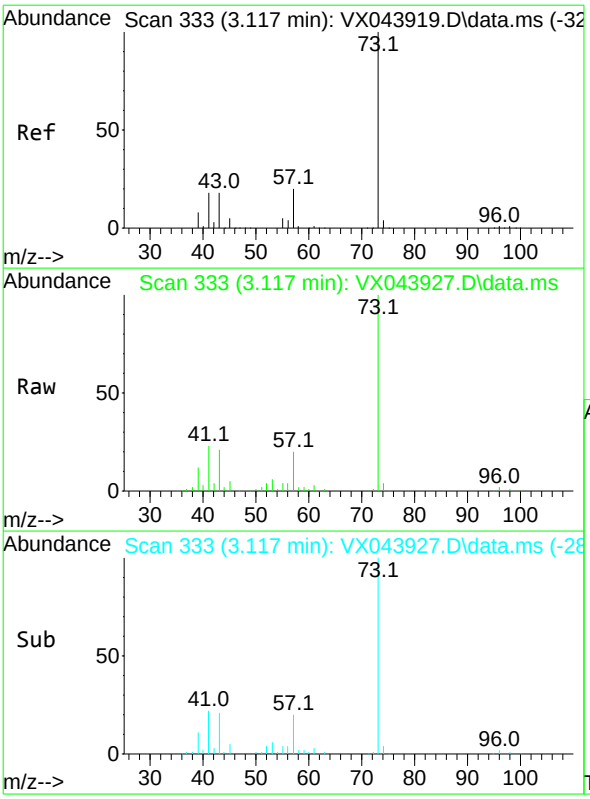


#18
Methyl Acetate
Concen: 21.564 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.1	30.1

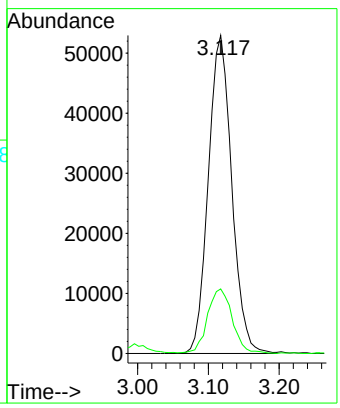




#19
Methyl tert-butyl Ether
Concen: 23.009 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 73 Resp: 121776

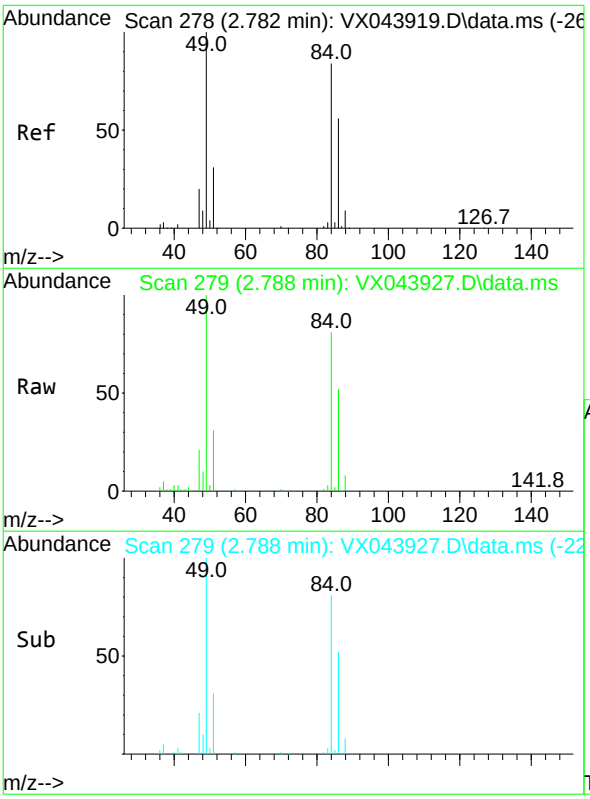
Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

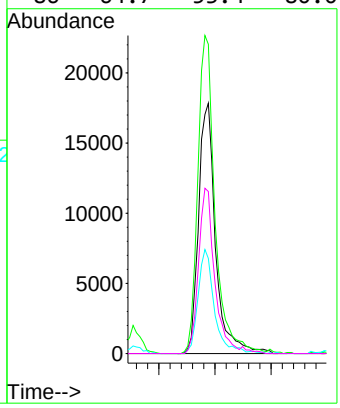
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

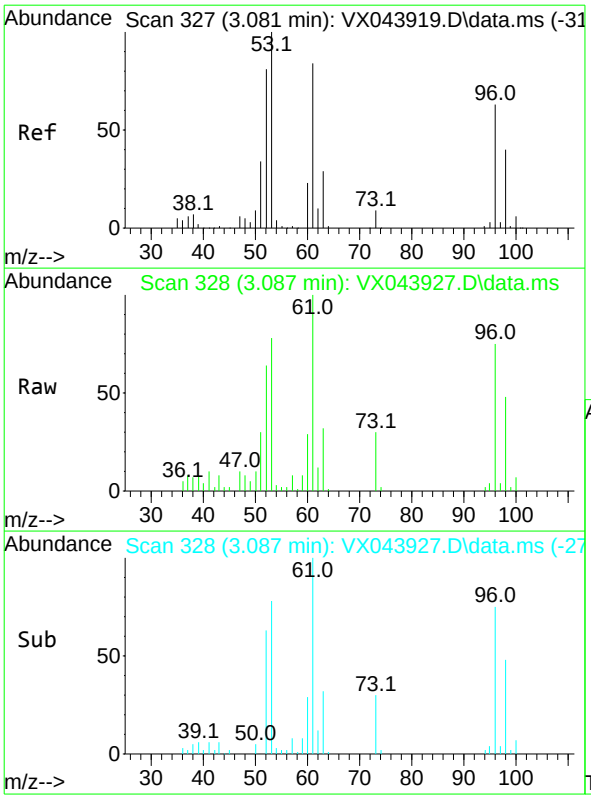


#20
Methylene Chloride
Concen: 21.177 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

Ion	Ratio	Lower	Upper
84	100		
49	123.5	95.1	142.7
51	38.0	29.2	43.8
86	64.7	53.4	80.0

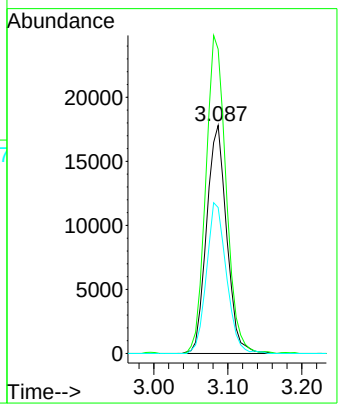




#21
trans-1,2-Dichloroethene
Concen: 21.489 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 33545

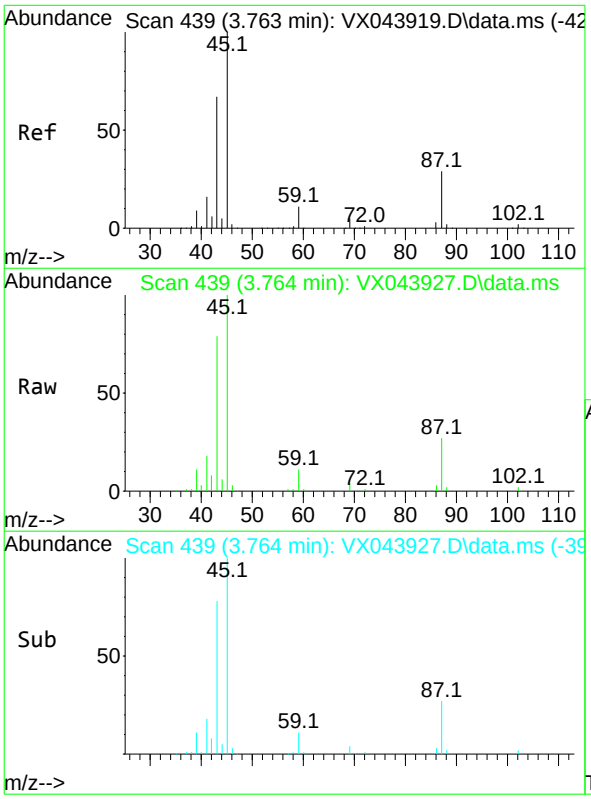
Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.4	159.6
98	64.0	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

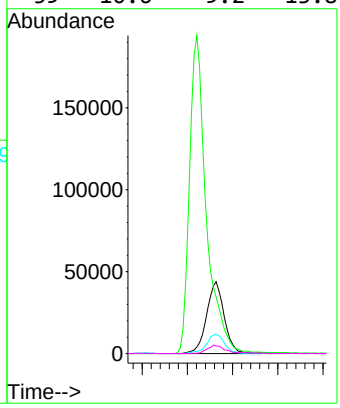
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

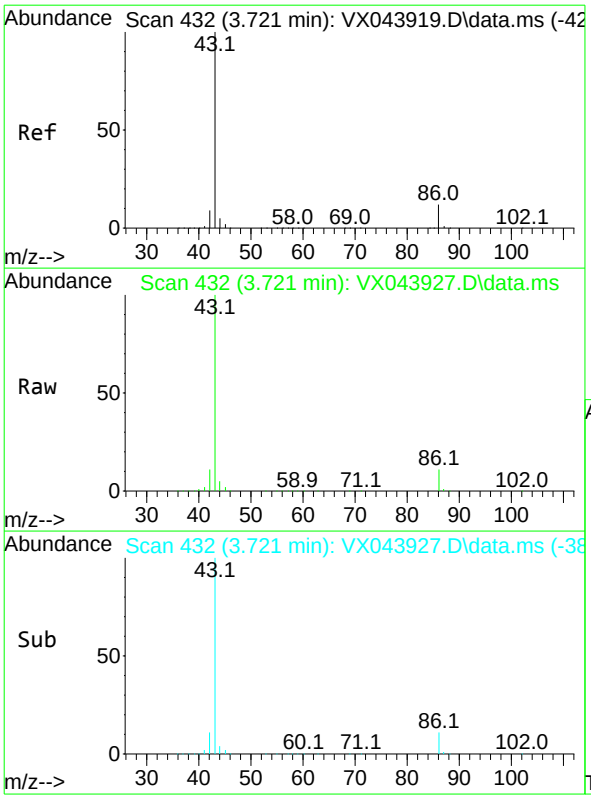


#22
Diisopropyl ether
Concen: 23.557 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

Ion	Ratio	Lower	Upper
45	100		
43	77.4	53.8	80.6
87	26.6	23.4	35.2
59	10.6	9.2	13.8

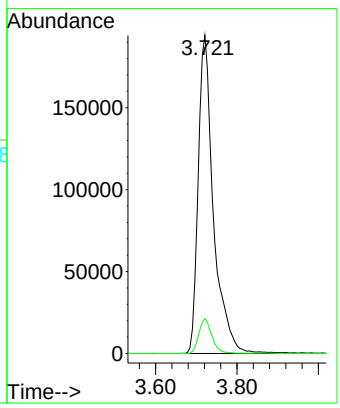




#23
Vinyl Acetate
Concen: 122.699 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 504408

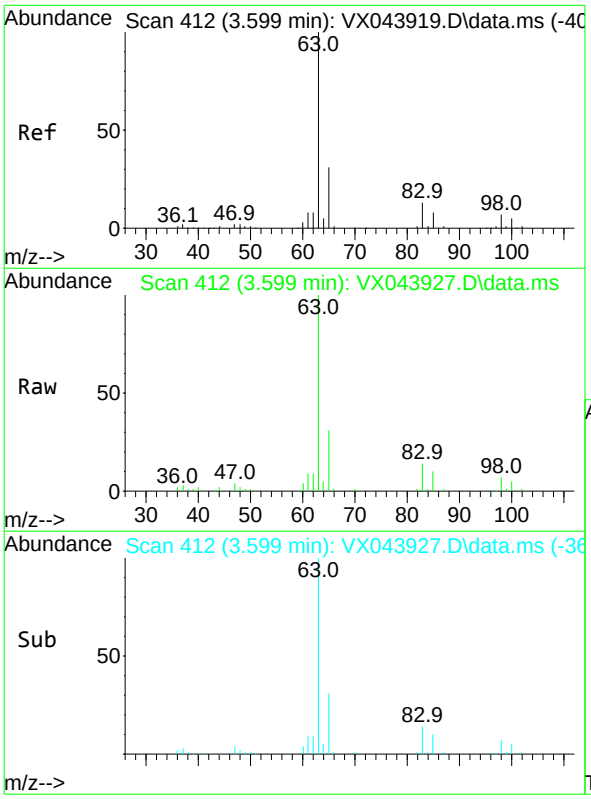
Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

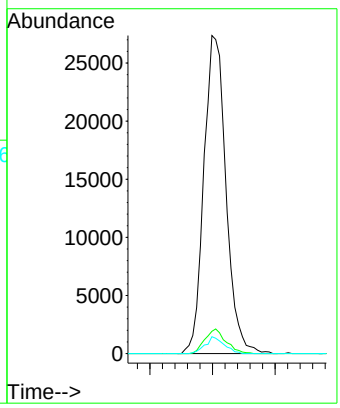
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

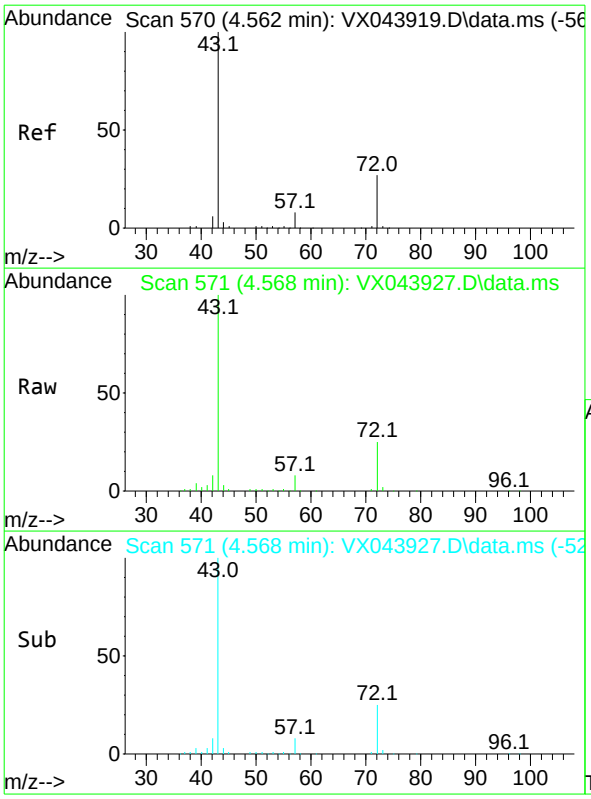


#24
1,1-Dichloroethane
Concen: 22.540 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	5.3	2.4	7.2

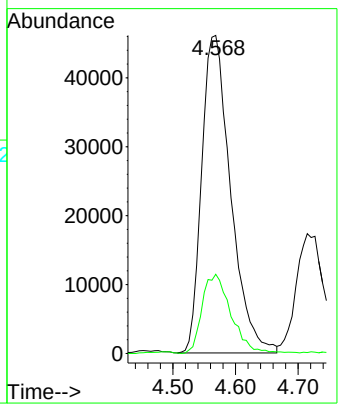




#25
2-Butanone
Concen: 124.741 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 148152

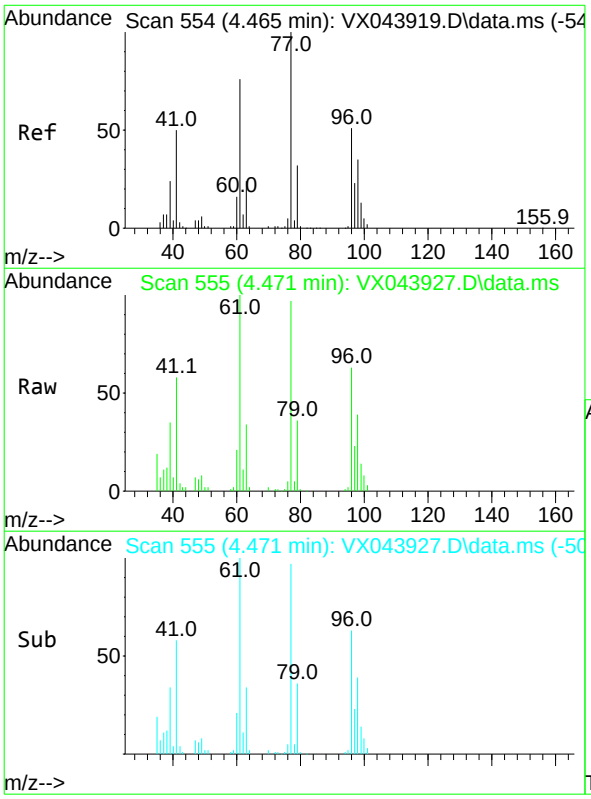
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

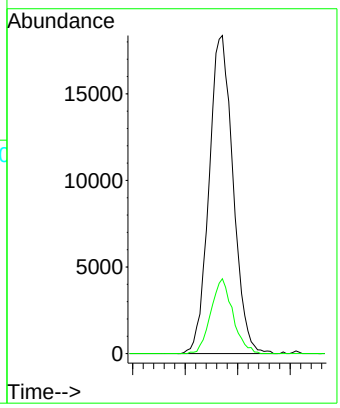
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

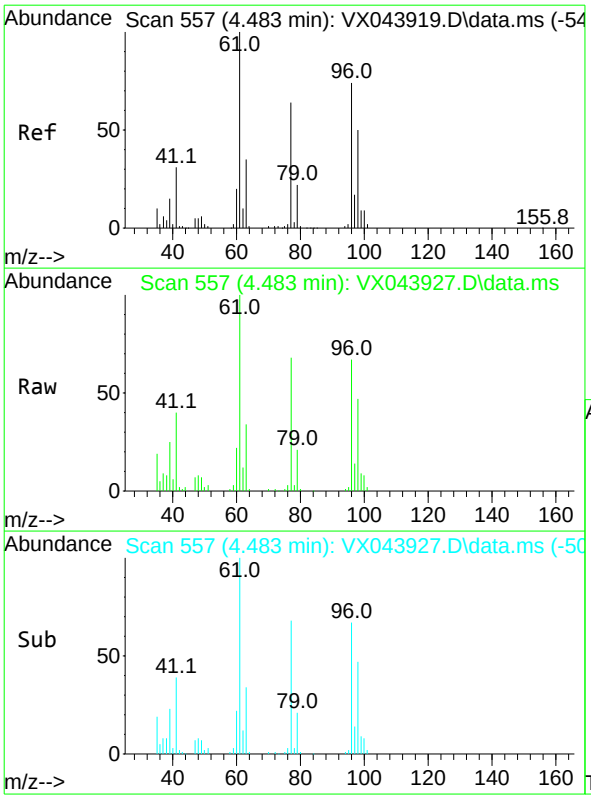


#26
2,2-Dichloropropane
Concen: 23.843 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.1

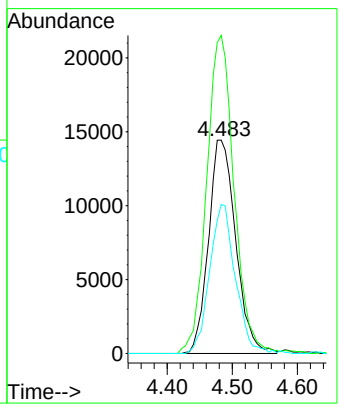




#27
cis-1,2-Dichloroethene
Concen: 21.551 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 41866

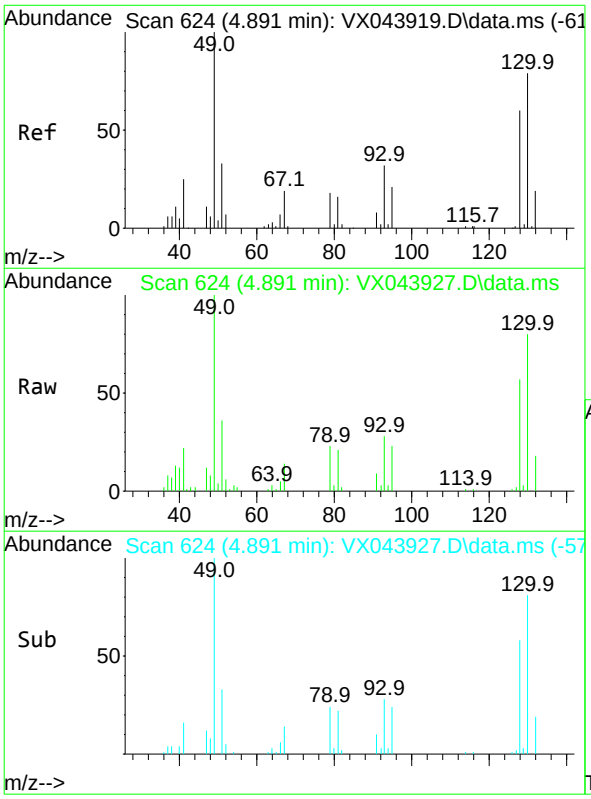
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	279.4
98	66.3	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

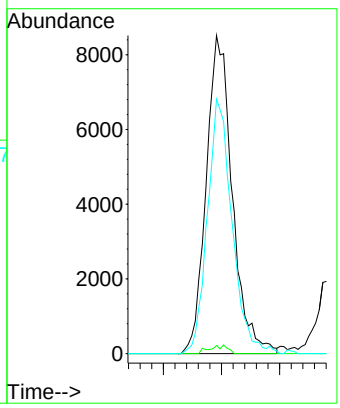
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

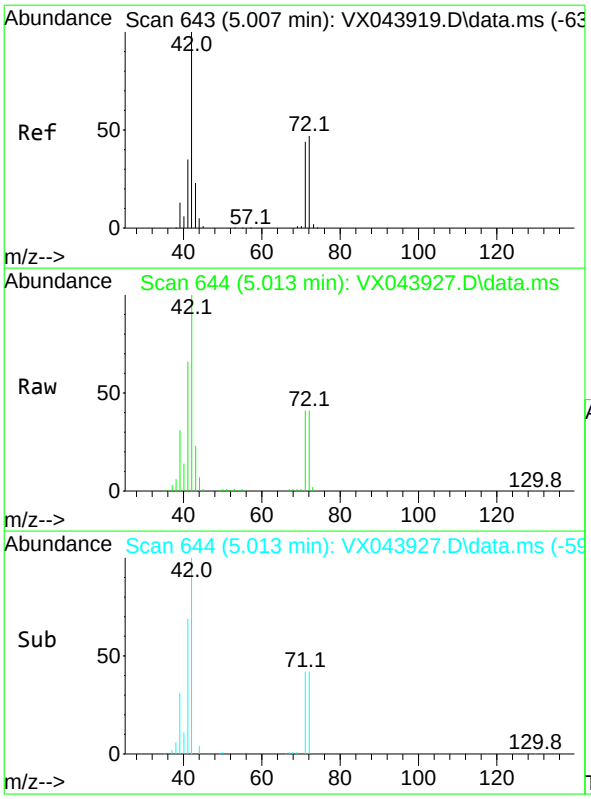


#28
Bromochloromethane
Concen: 21.119 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	75.8	68.2	102.2

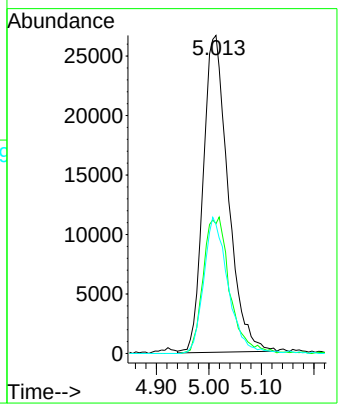




#29
Tetrahydrofuran
Concen: 114.321 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 42 Resp: 87736

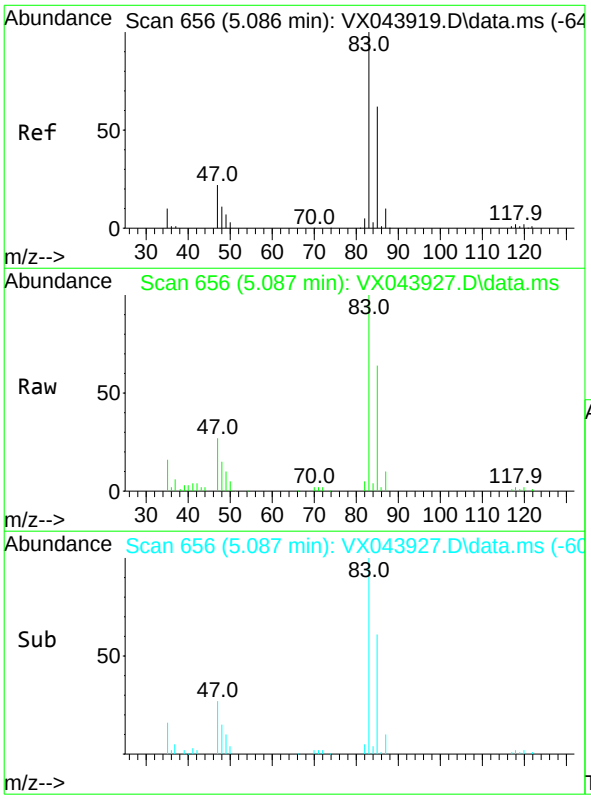
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	42.0	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

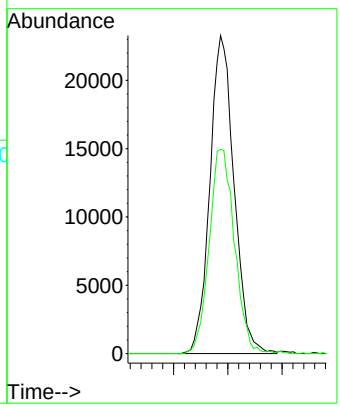
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

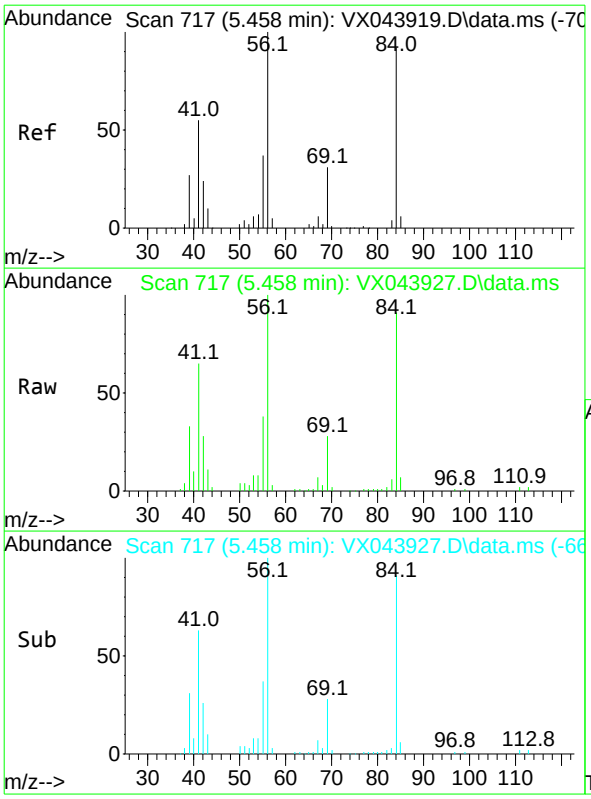


#30
Chloroform
Concen: 23.172 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.7	74.5





#31
Cyclohexane
Concen: 22.225 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

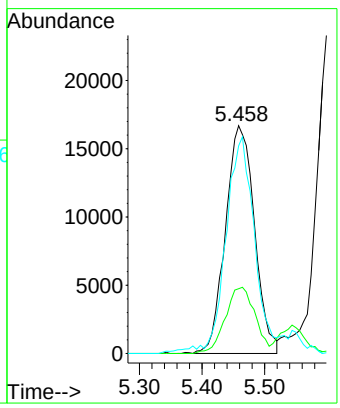
Tgt Ion: 56 Resp: 53731

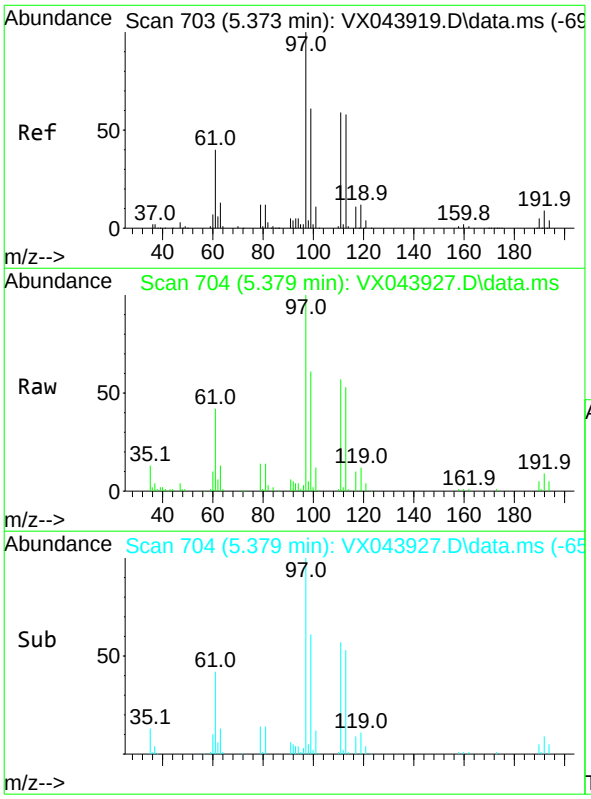
Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.9	37.3
84	89.6	73.8	110.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

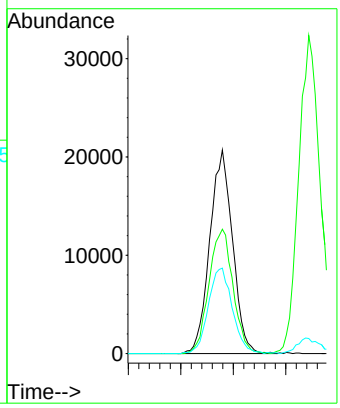


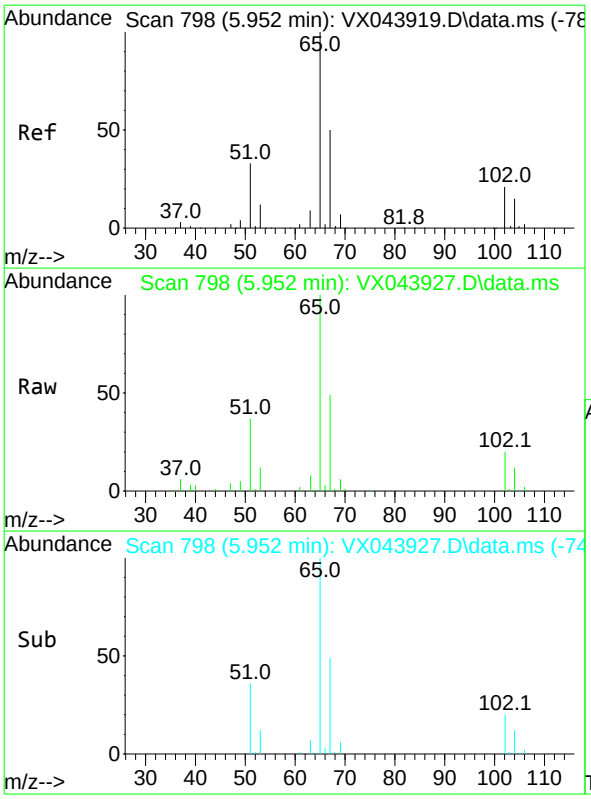


#32
1,1,1-Trichloroethane
Concen: 23.474 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	44.1	32.9	49.3

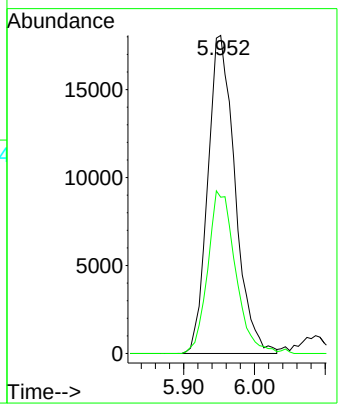




#33
1,2-Dichloroethane-d4
Concen: 22.821 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 65 Resp: 48239

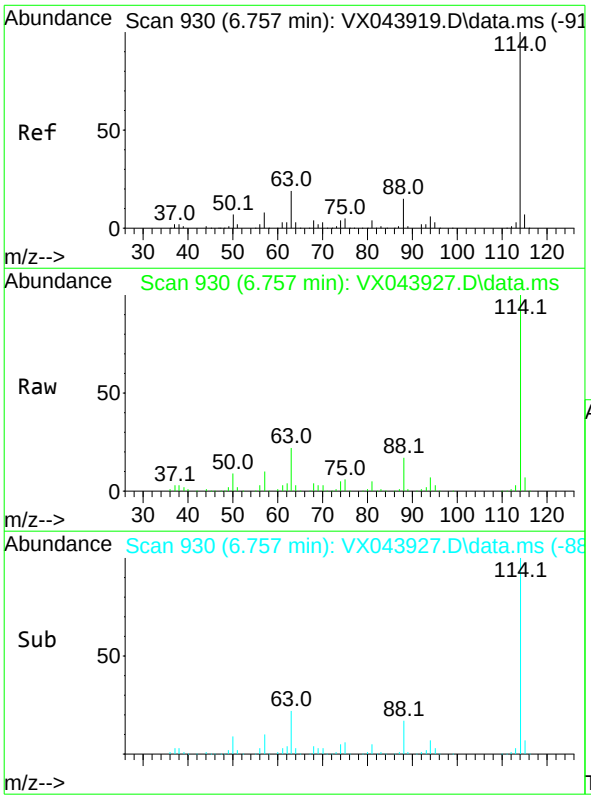
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

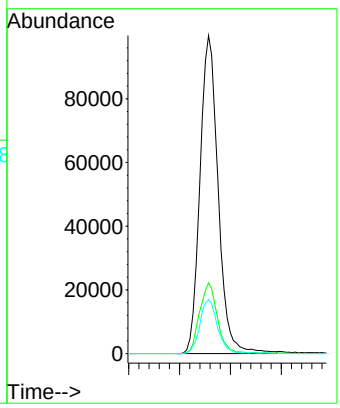
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

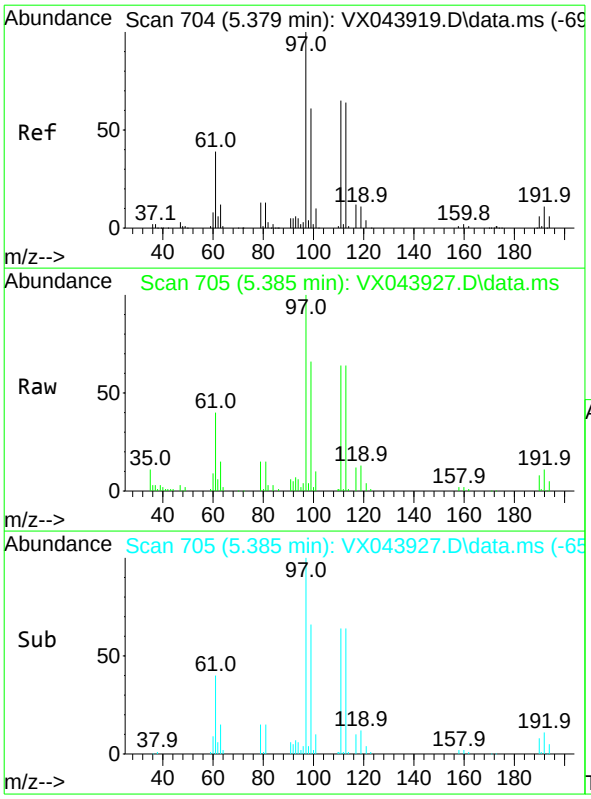


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	39.0
88	16.9	0.0	30.2

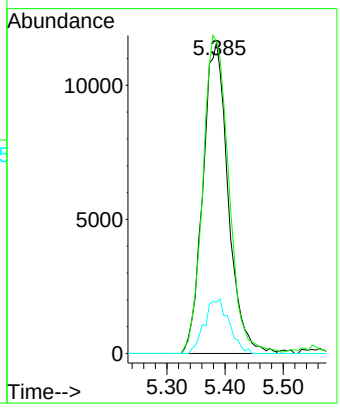




#35
Dibromofluoromethane
Concen: 21.040 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:113 Resp: 35015

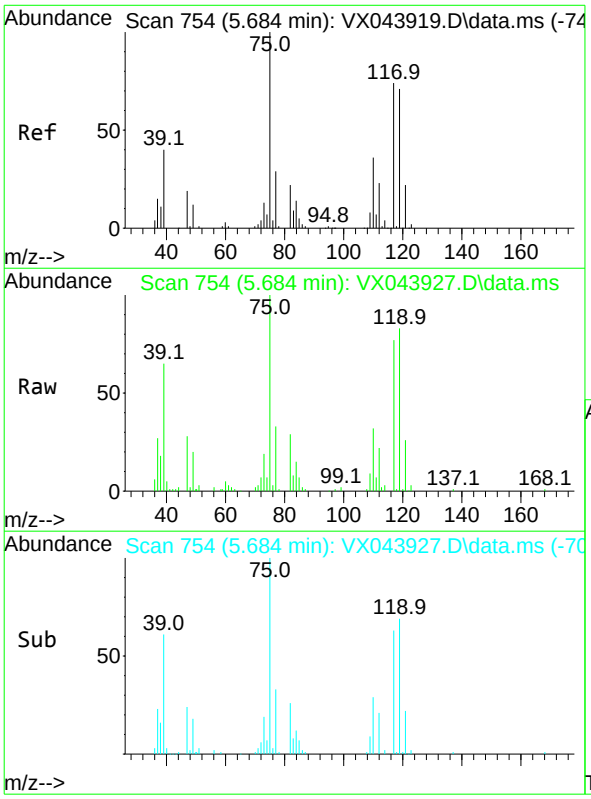
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.6
192	17.1	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

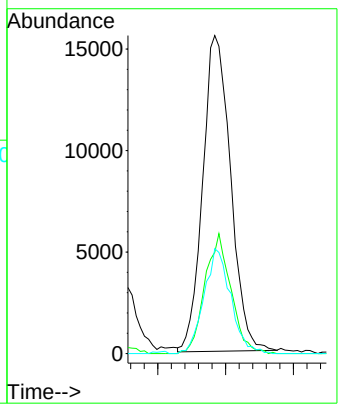
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

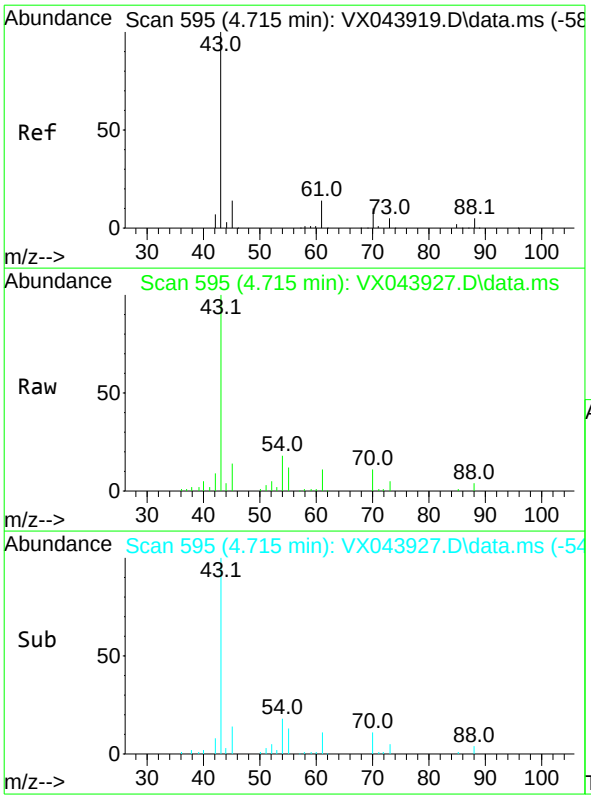


#36
1,1-Dichloropropene
Concen: 21.438 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 44465

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.5	52.5
77	31.8	24.9	37.3

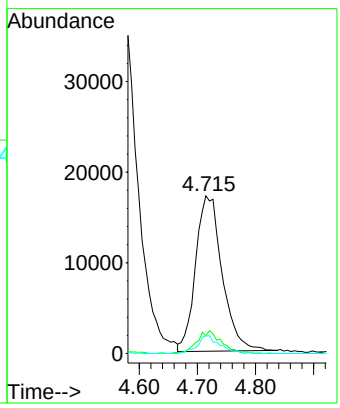




#37
Ethyl Acetate
Concen: 23.316 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 54426

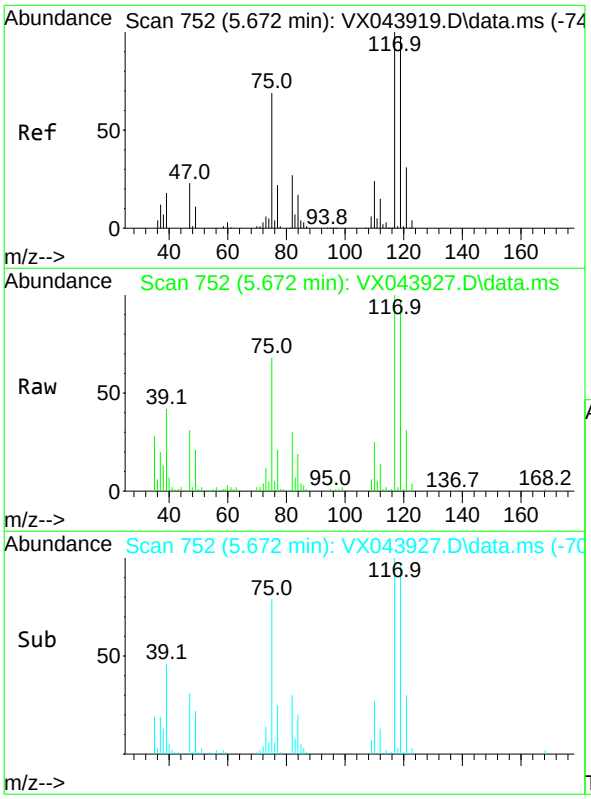
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.5	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

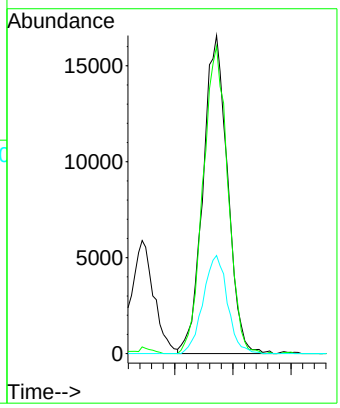
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

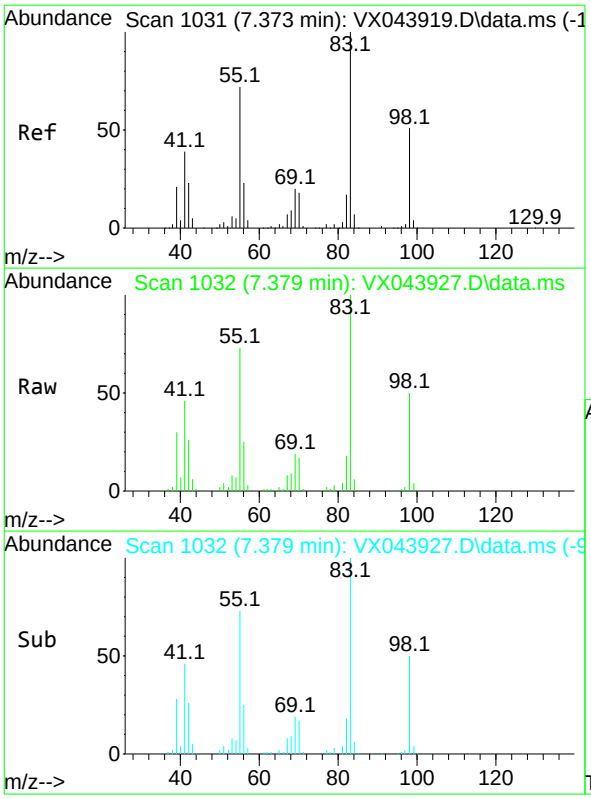


#38
Carbon Tetrachloride
Concen: 22.179 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 48701

Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.3	117.5
121	30.8	25.1	37.7

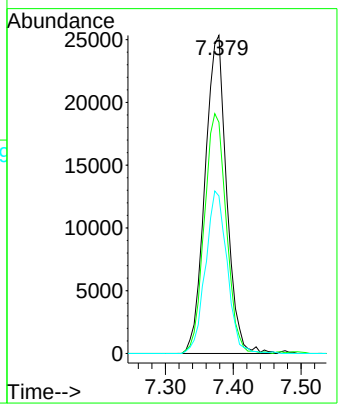




#39
Methylcyclohexane
Concen: 21.551 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 55958

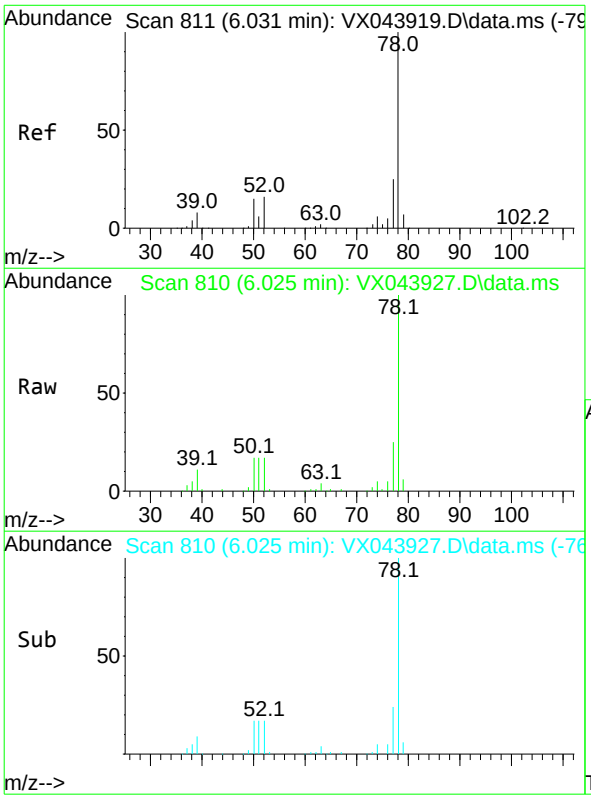
Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.9	86.9
98	49.5	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

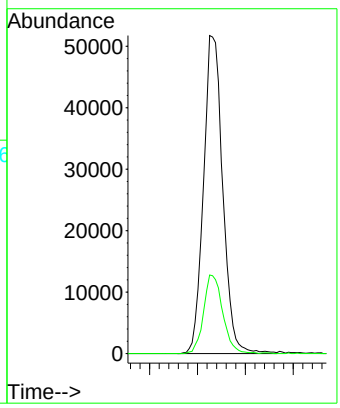
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

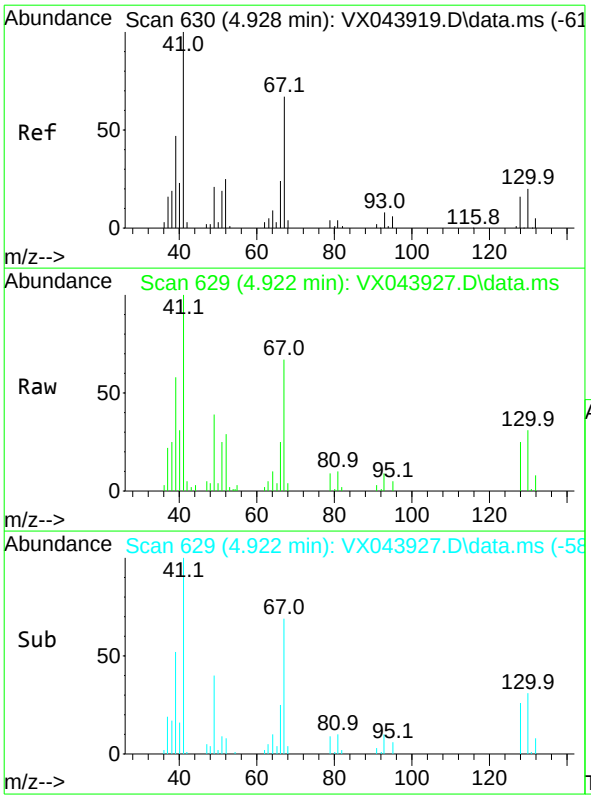


#40
Benzene
Concen: 22.144 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.8

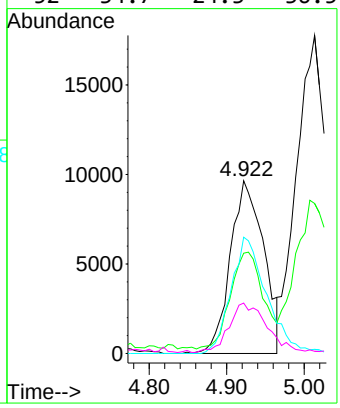




#41
Methacrylonitrile
Concen: 23.789 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 28938

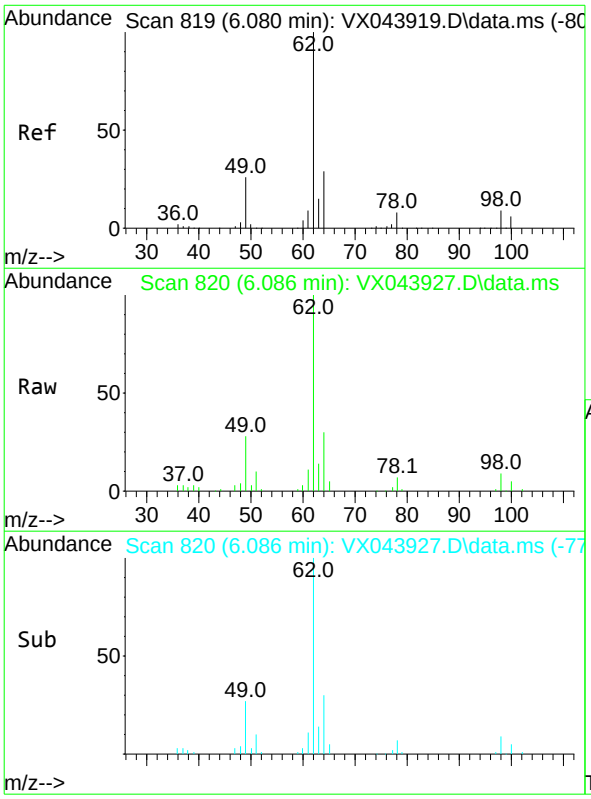
Ion	Ratio	Lower	Upper
41	100		
39	55.1	41.2	61.8
67	72.7	60.3	90.5
52	34.7	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

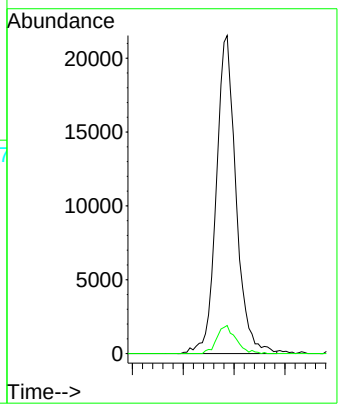
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

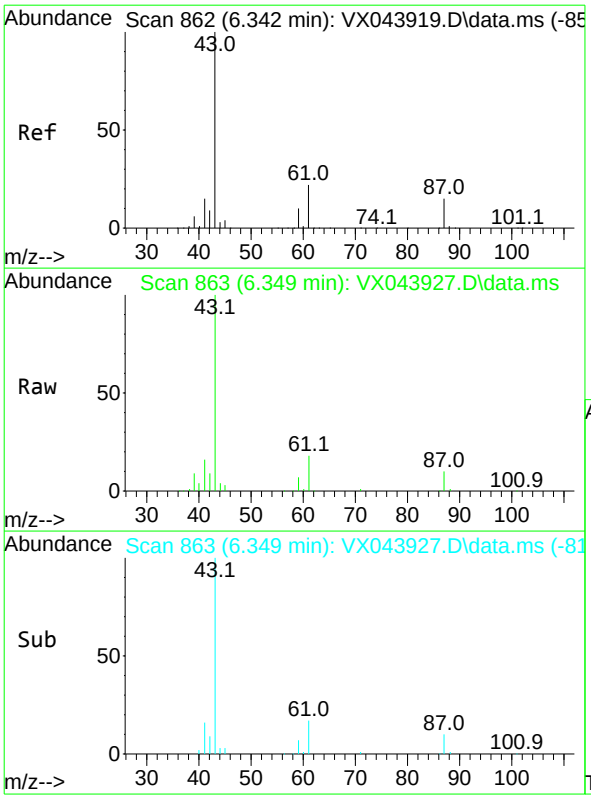


#42
1,2-Dichloroethane
Concen: 24.487 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6

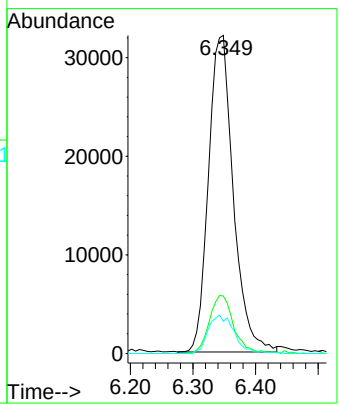




#43
Isopropyl Acetate
Concen: 24.054 ug/l
RT: 6.349 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 88577

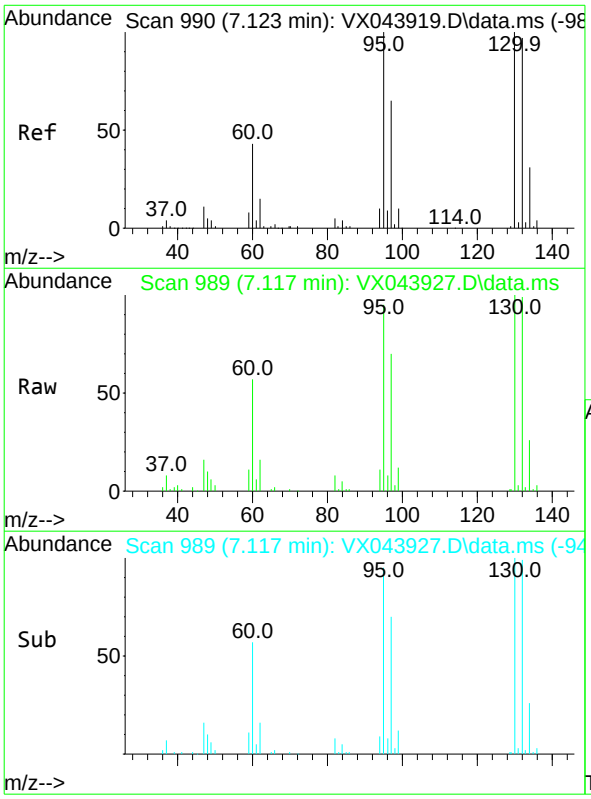
Ion	Ratio	Lower	Upper
43	100		
61	17.9	16.9	25.3
87	12.6	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

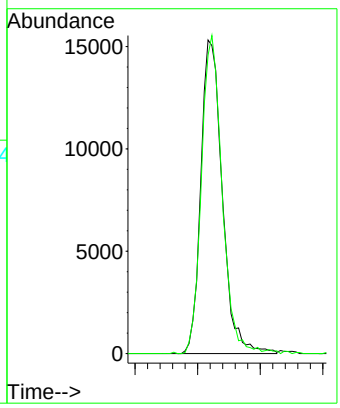
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

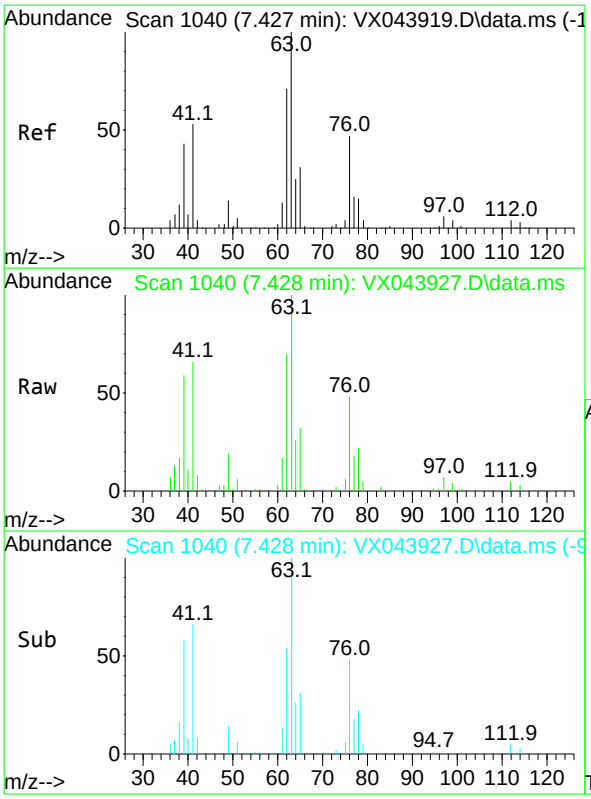


#44
Trichloroethene
Concen: 20.270 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	200.8

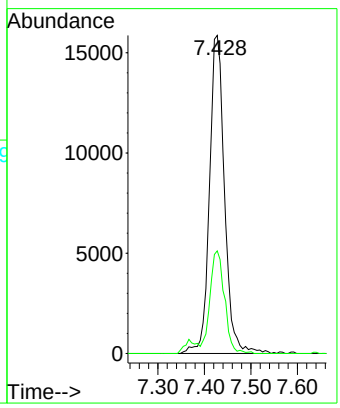




#45
1,2-Dichloropropane
Concen: 22.394 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 35791

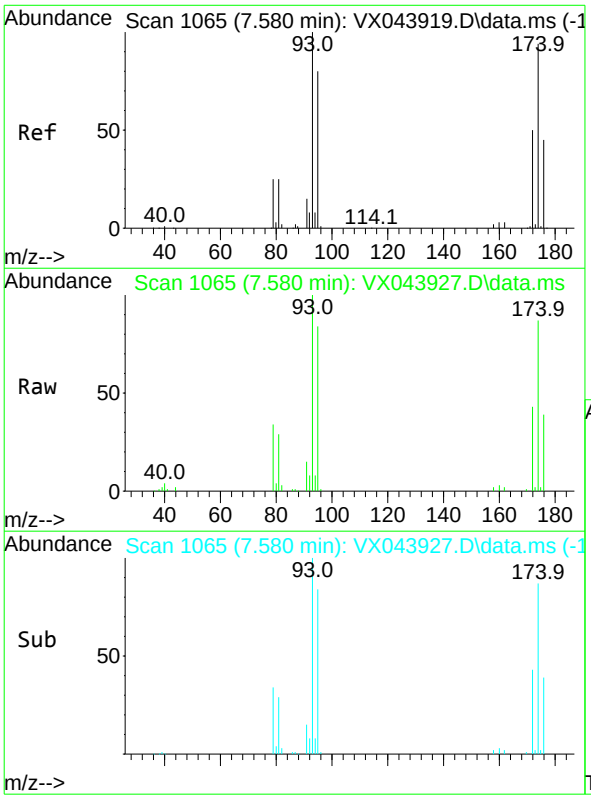
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

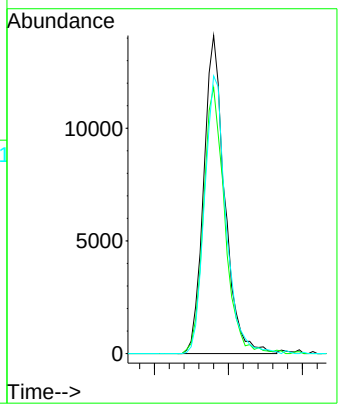
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

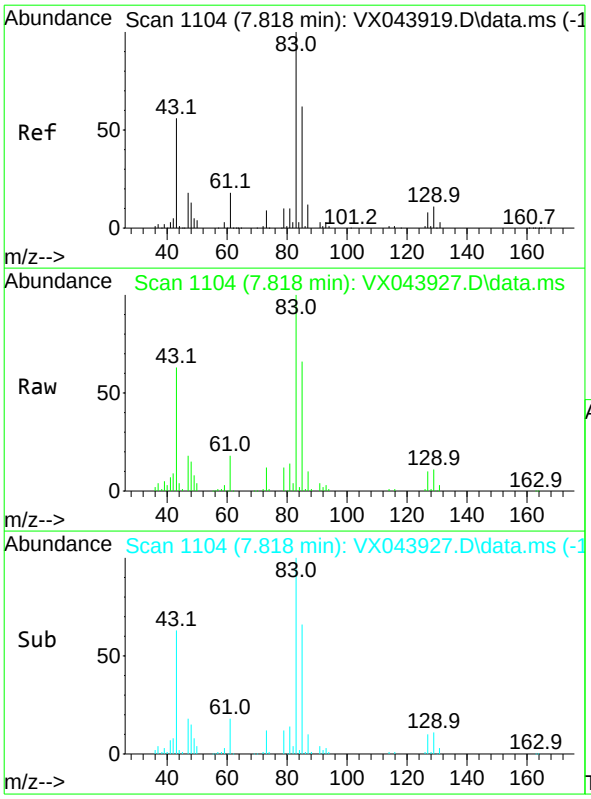


#46
Dibromomethane
Concen: 23.082 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 93 Resp: 27799

Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.1	99.1
174	89.0	75.2	112.8

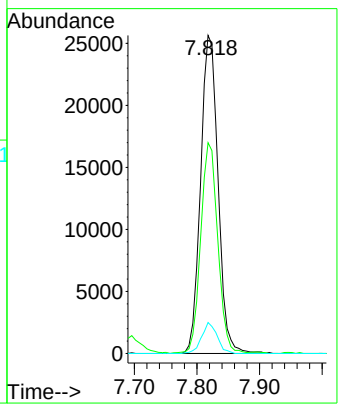




#47
Bromodichloromethane
Concen: 23.471 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 49665

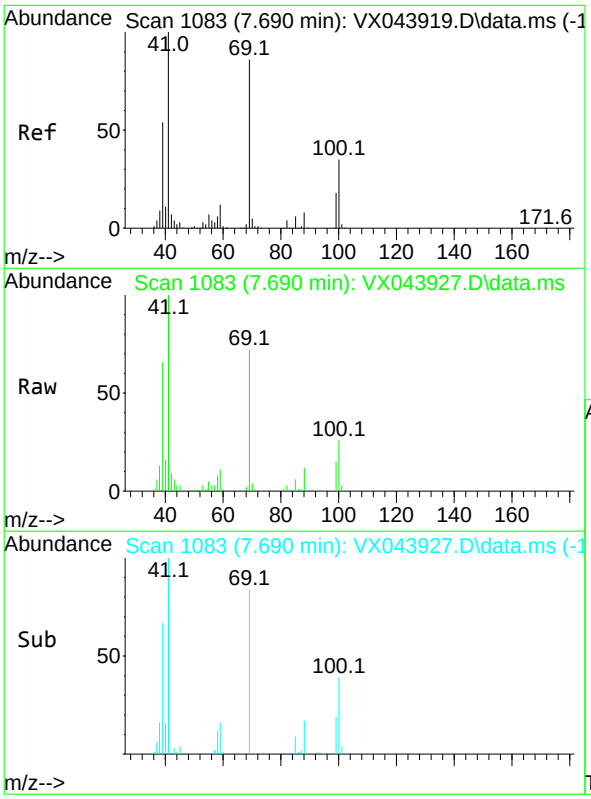
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.4	74.0
127	9.7	6.2	9.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

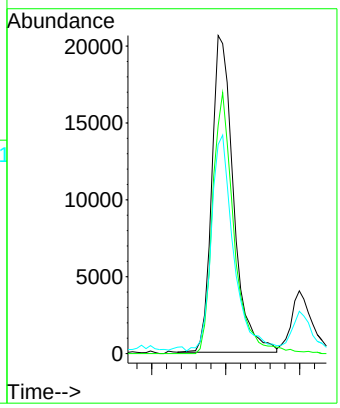
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

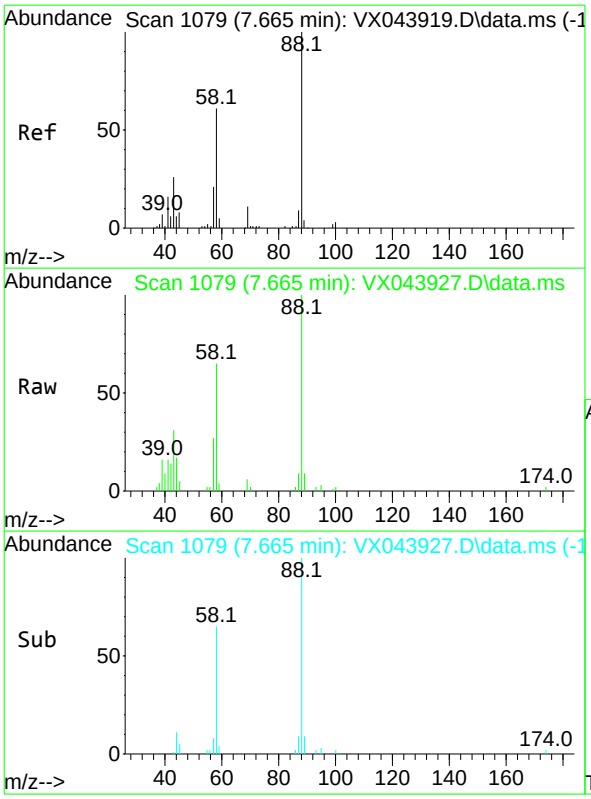


#48
Methyl methacrylate
Concen: 22.991 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962

Ion	Ratio	Lower	Upper
41	100		
69	81.5	72.1	108.1
39	69.6	43.8	65.8#

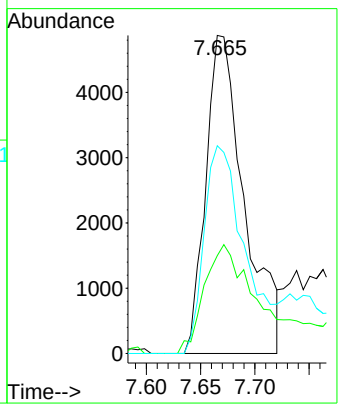




#49
1,4-Dioxane
Concen: 310.503 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 88 Resp: 12071

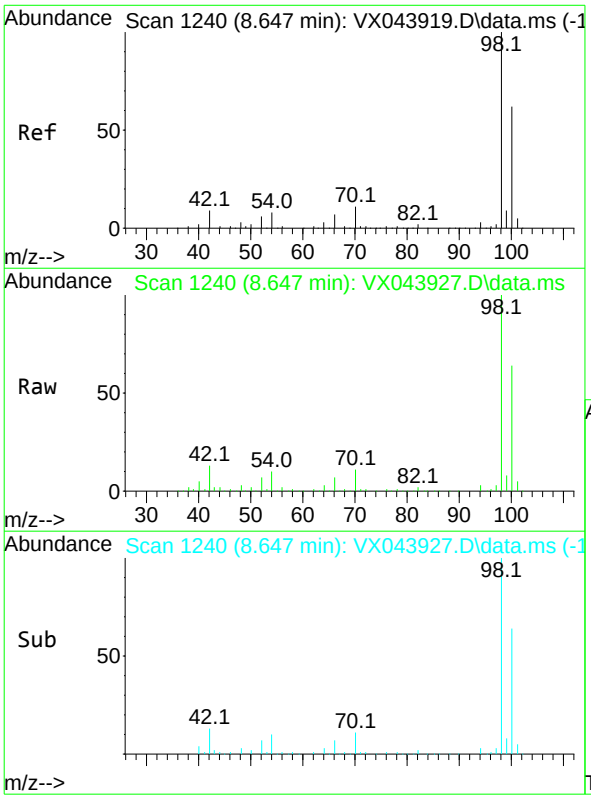
Ion	Ratio	Lower	Upper
88	100		
43	52.5	17.4	26.0#
58	69.7	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

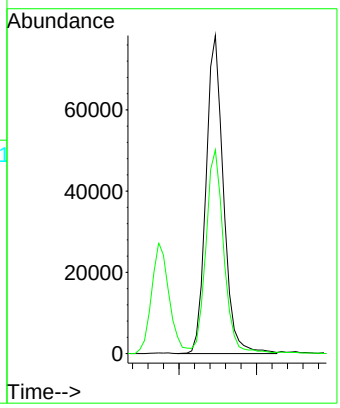
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

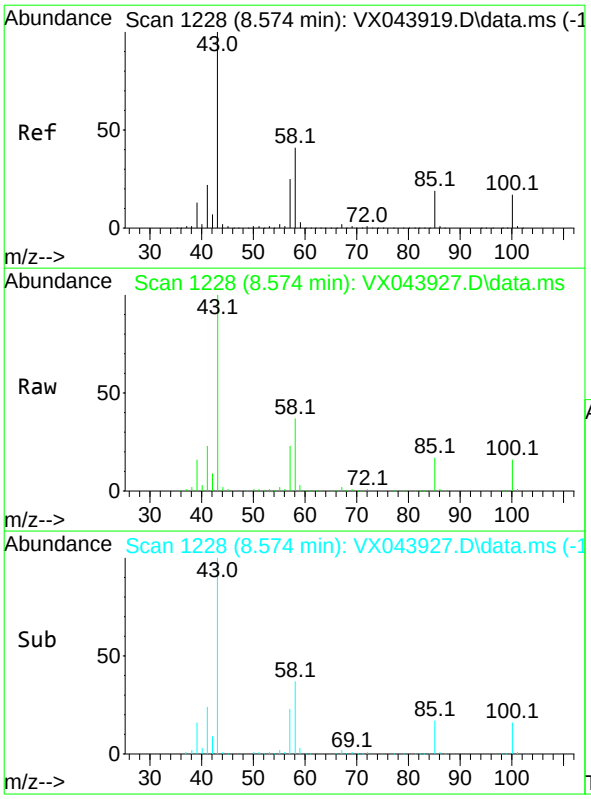


#50
Toluene-d8
Concen: 22.060 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

Ion	Ratio	Lower	Upper
98	100		
100	63.8	53.0	79.6

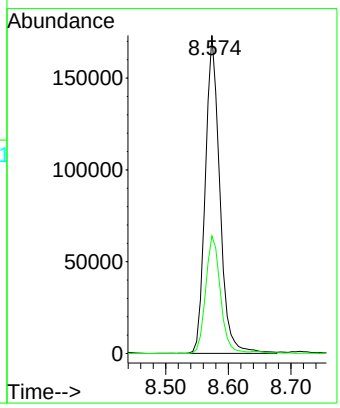




#51
4-Methyl-2-Pentanone
Concen: 121.285 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 278479

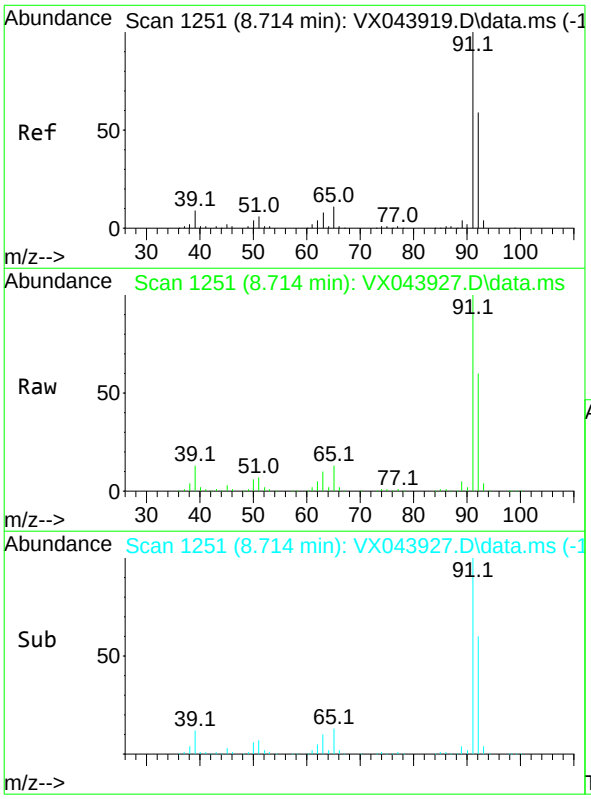
Ion	Ratio	Lower	Upper
43	100		
58	37.6	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

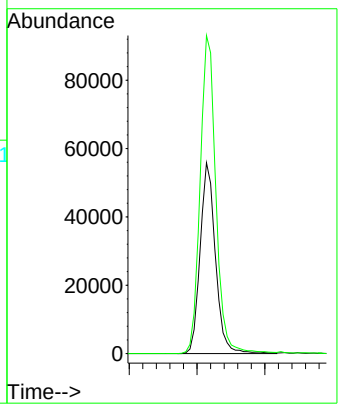
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

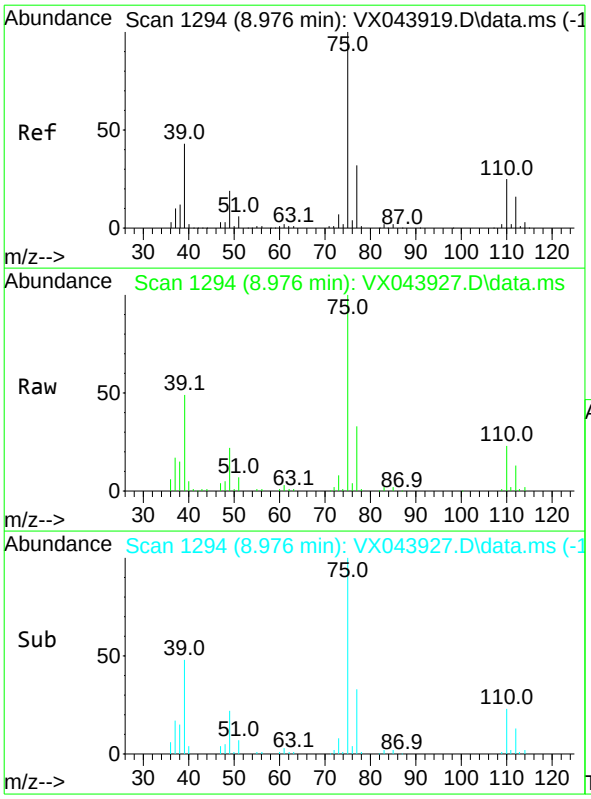


#52
Toluene
Concen: 23.277 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.2	204.4

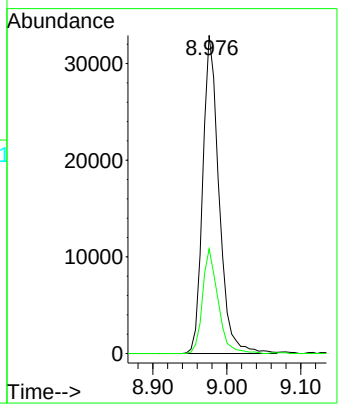




#53
t-1,3-Dichloropropene
Concen: 23.425 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 50294

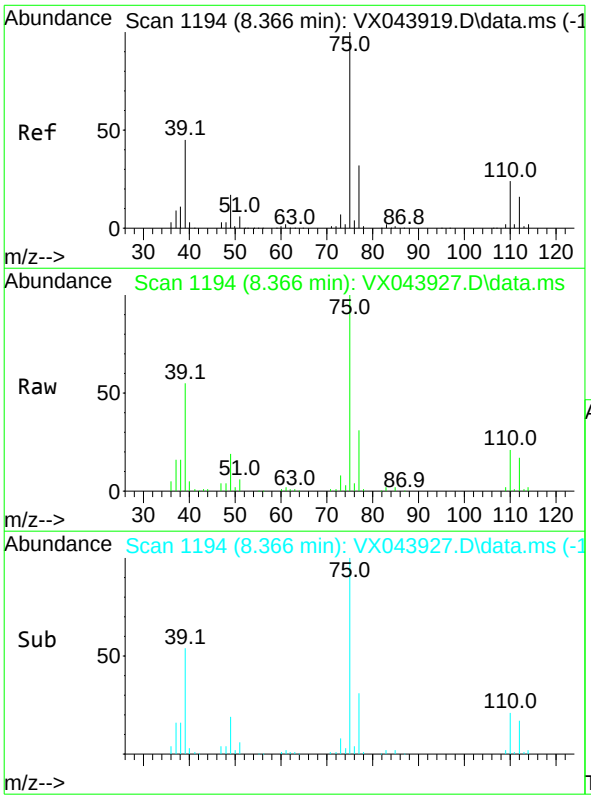
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

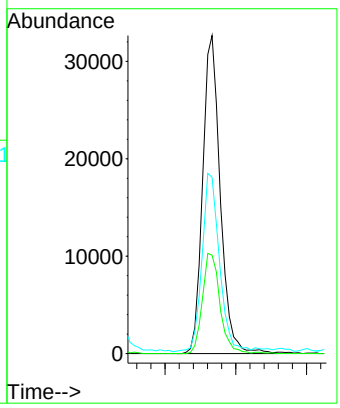
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

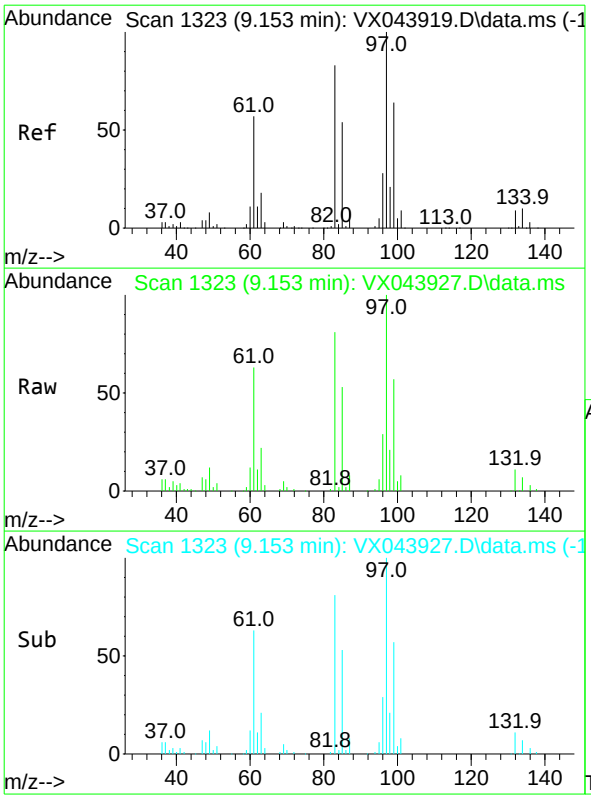


#54
cis-1,3-Dichloropropene
Concen: 23.184 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2
39	54.6	36.1	54.1#

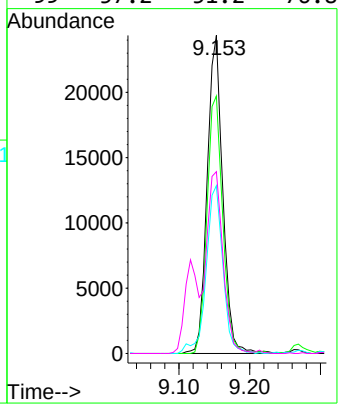




#55
1,1,2-Trichloroethane
Concen: 25.308 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 37148

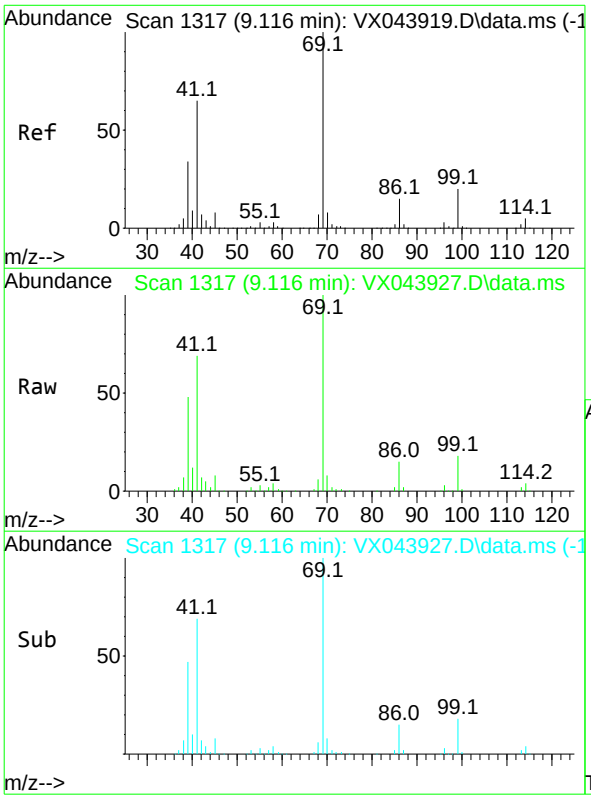
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.5	99.7
85	52.7	43.4	65.2
99	57.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

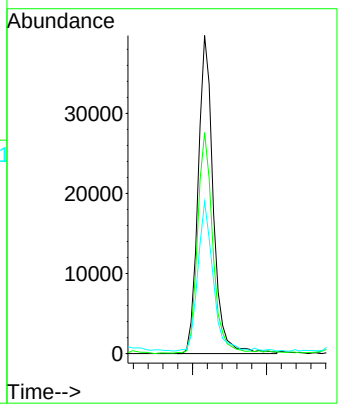
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

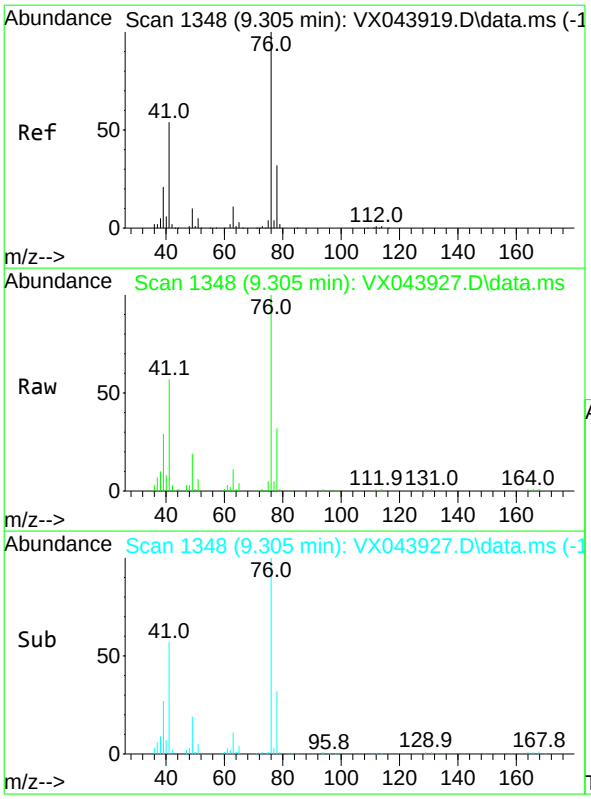


#56
Ethyl methacrylate
Concen: 24.347 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 69 Resp: 56585

Ion	Ratio	Lower	Upper
69	100		
41	70.0	51.7	77.5
39	46.7	26.8	40.2#

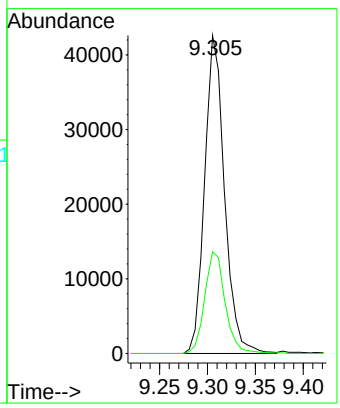




#57
1,3-Dichloropropane
Concen: 24.976 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 61420

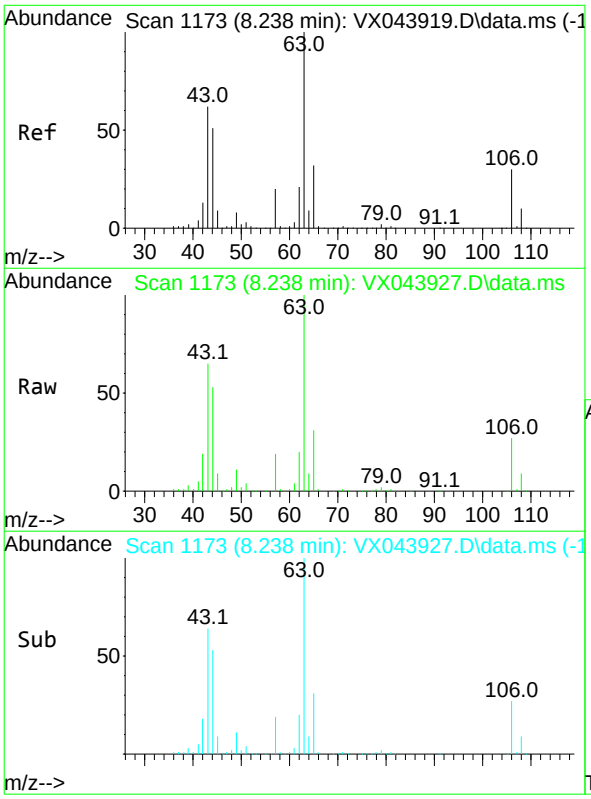
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

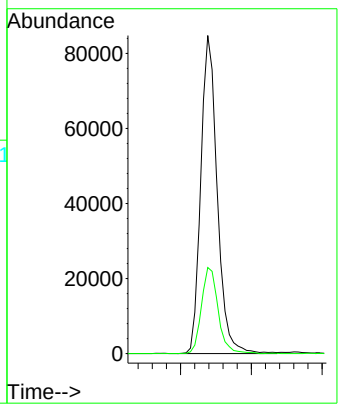
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

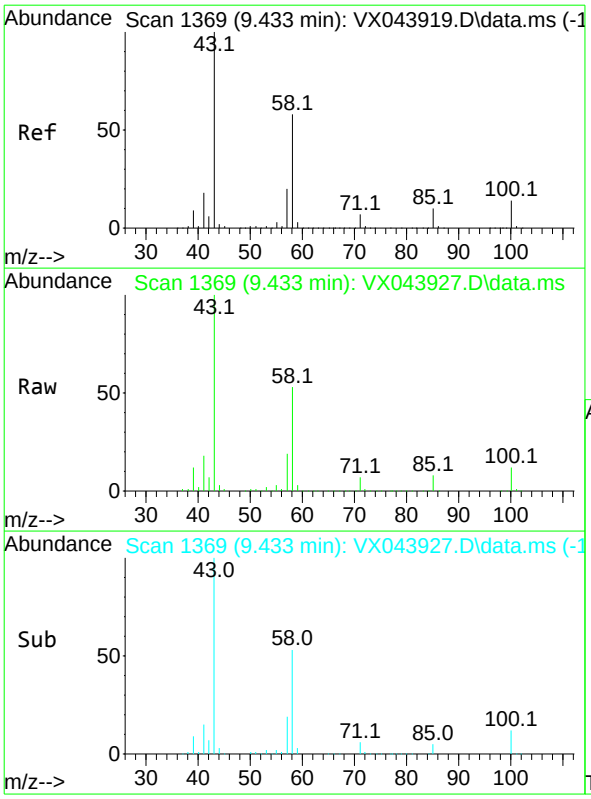


#58
2-Chloroethyl Vinyl ether
Concen: 112.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.8	35.6

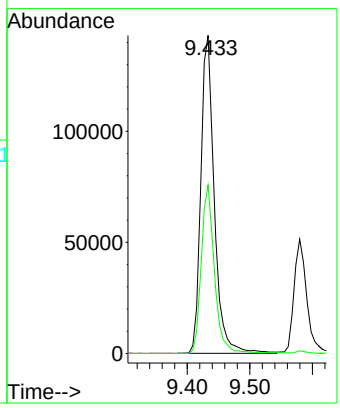




#59
2-Hexanone
Concen: 131.869 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 213629

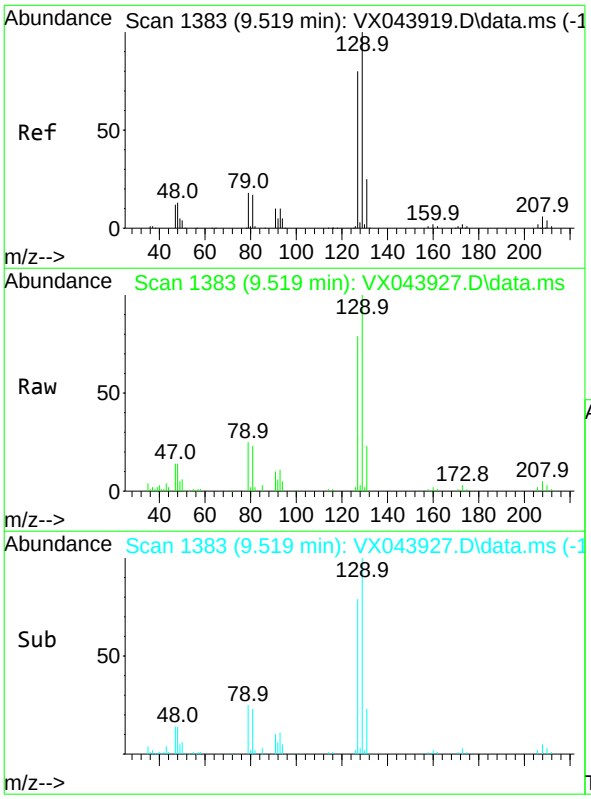
Ion	Ratio	Lower	Upper
43	100		
58	51.6	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

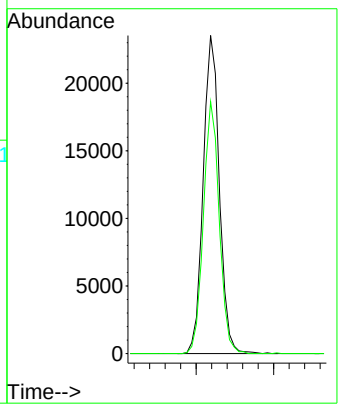
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

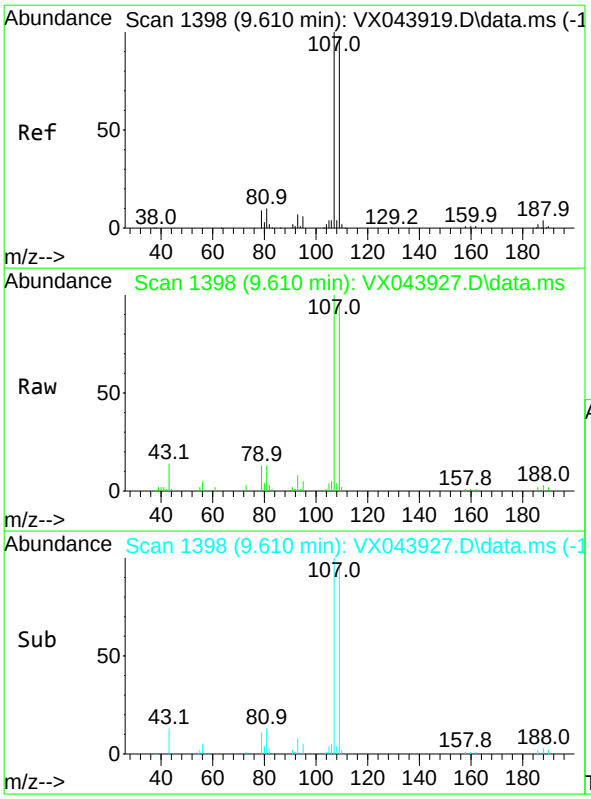


#60
Dibromochloromethane
Concen: 23.864 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8

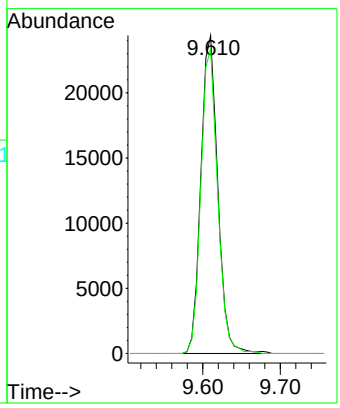




#61
1,2-Dibromoethane
Concen: 24.156 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:107 Resp: 36985

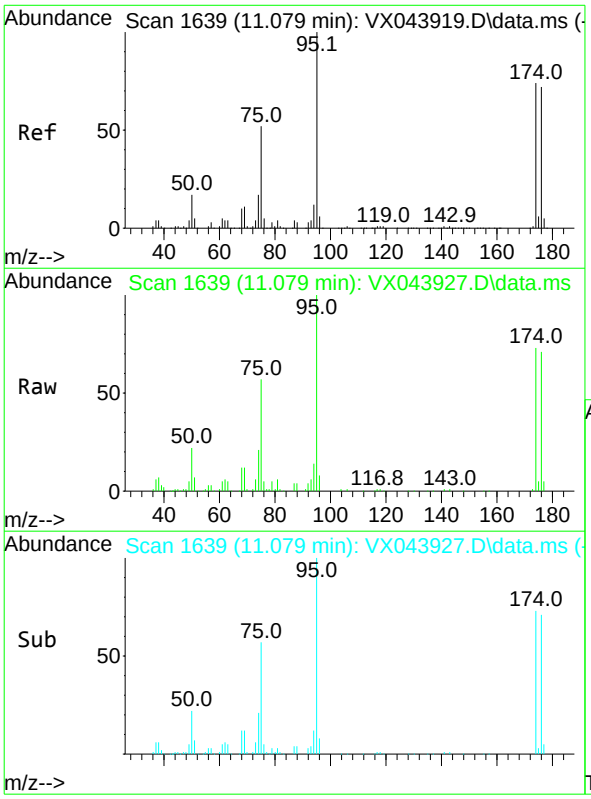
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

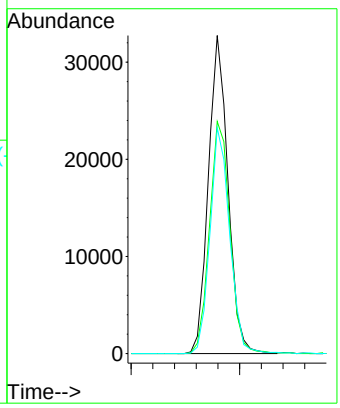
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

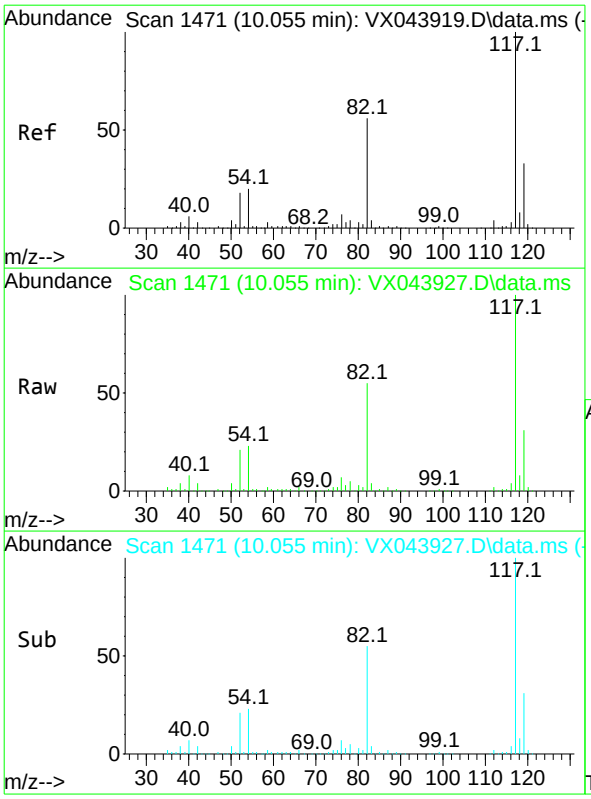


#62
4-Bromofluorobenzene
Concen: 22.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	152.2
176	71.1	0.0	145.8

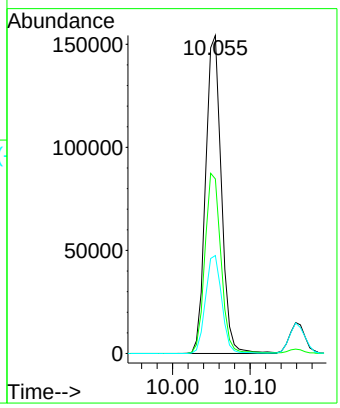




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 217871

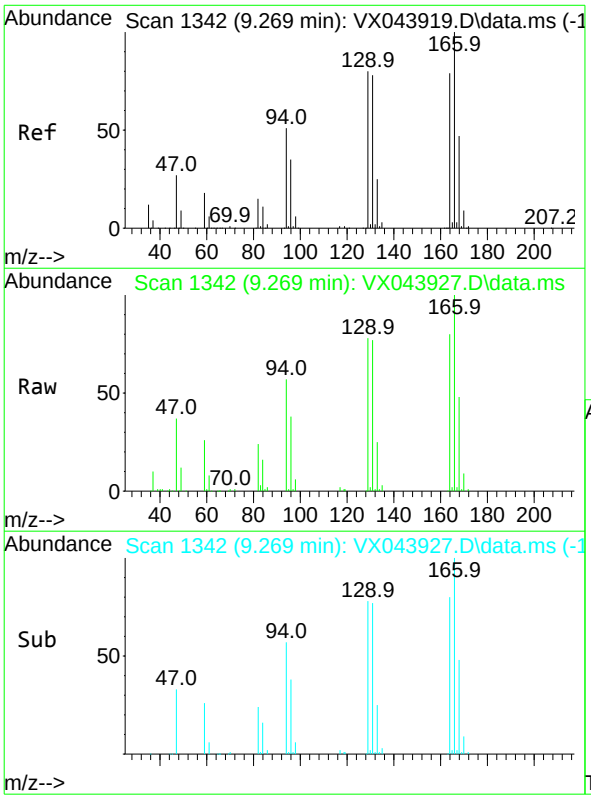
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

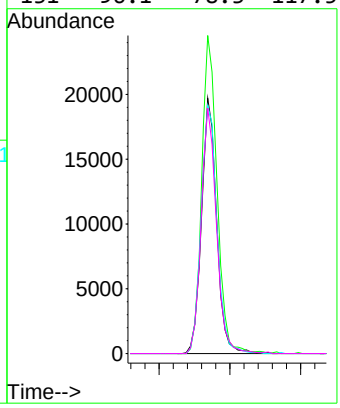
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

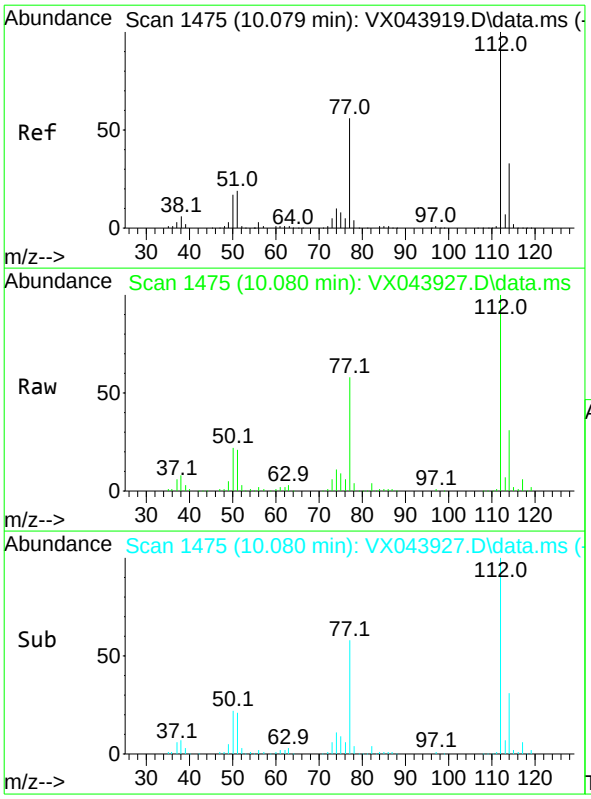


#64
Tetrachloroethene
Concen: 20.948 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.9	151.3
129	97.2	80.3	120.5
131	96.1	78.3	117.5

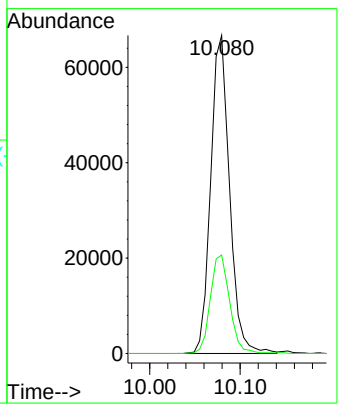




#65
Chlorobenzene
Concen: 21.197 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:112 Resp: 96469

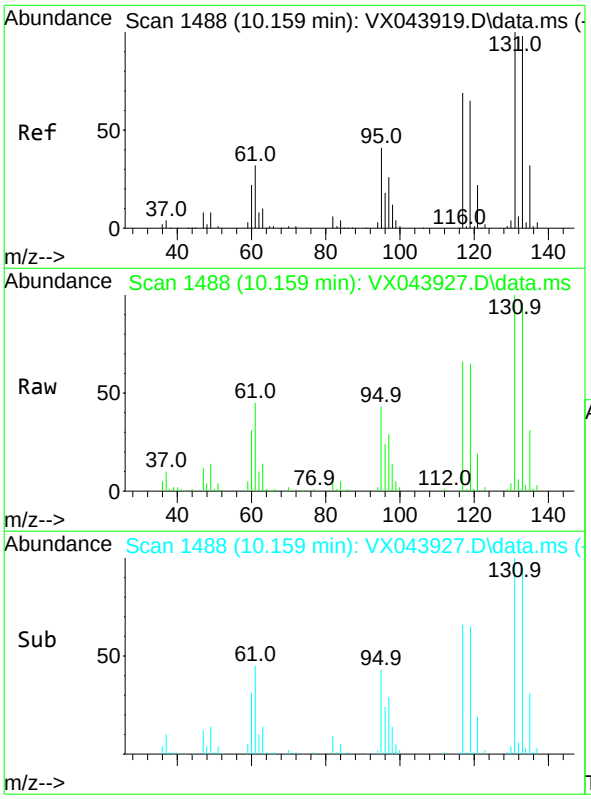
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

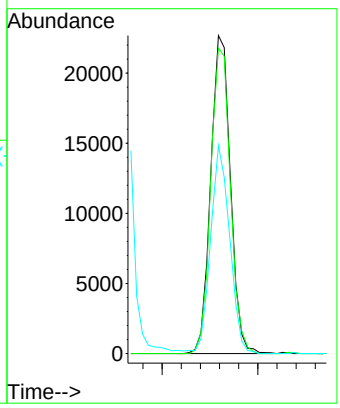
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

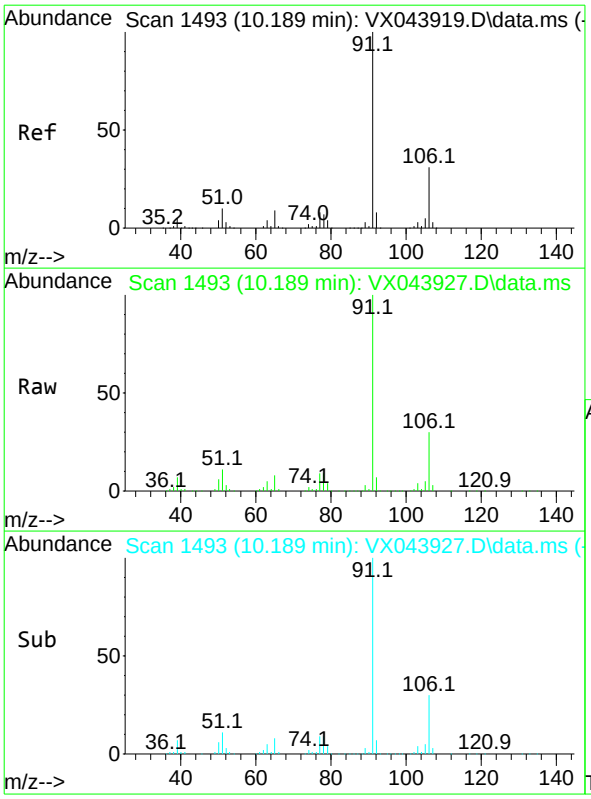


#66
1,1,1,2-Tetrachloroethane
Concen: 21.360 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.8	146.3
119	63.7	32.9	98.7

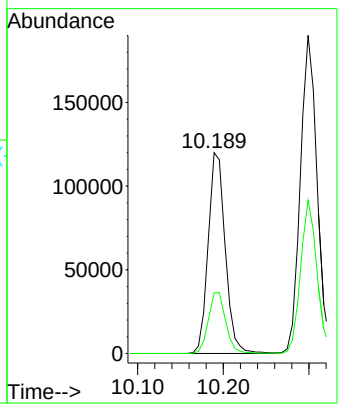




#67
Ethyl Benzene
Concen: 21.731 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 166435

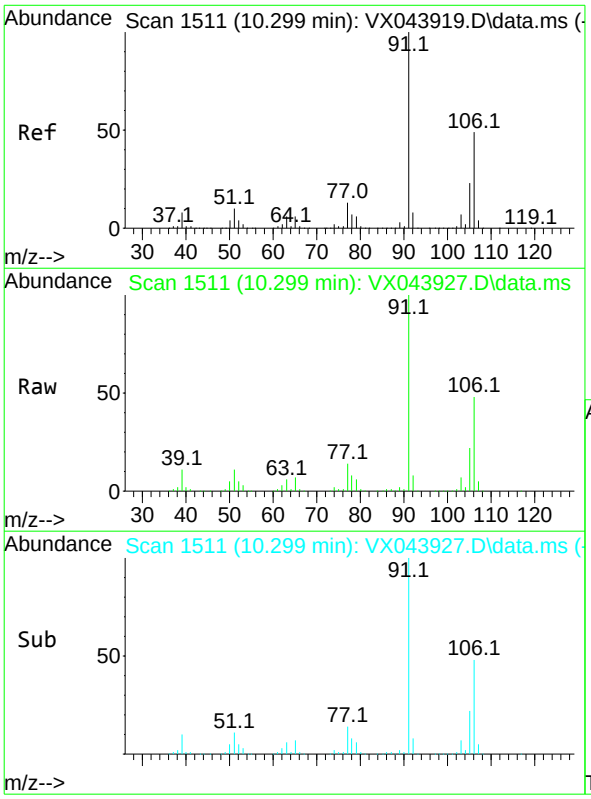
Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

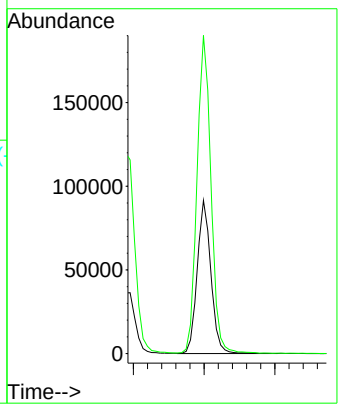
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

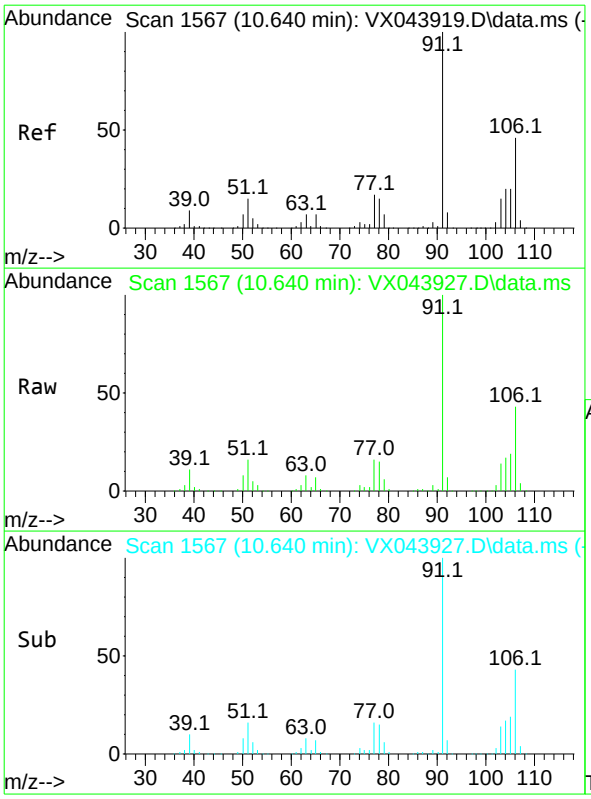


#68
m/p-Xylenes
Concen: 42.997 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

Ion	Ratio	Lower	Upper
106	100		
91	211.9	163.3	244.9

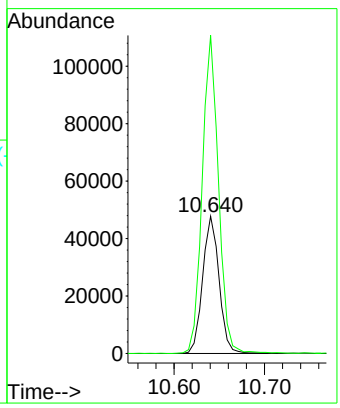




#69
o-Xylene
Concen: 21.648 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 60254

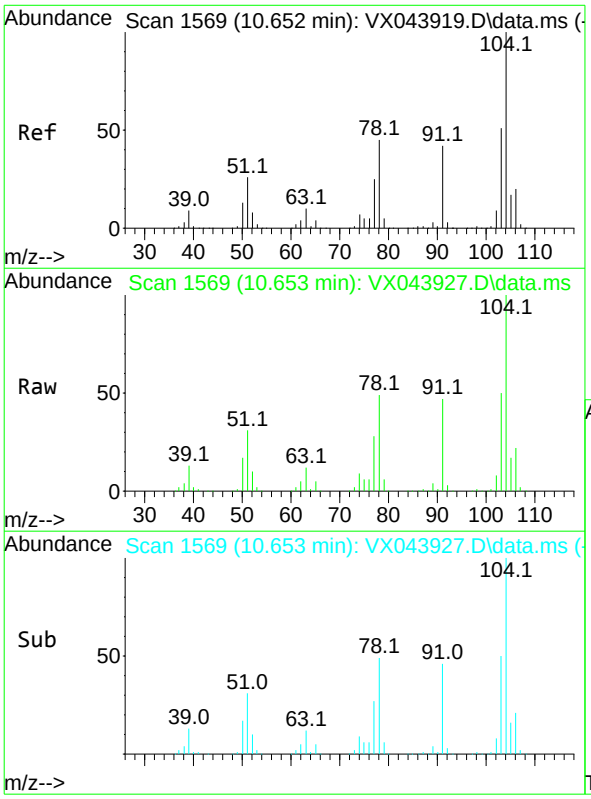
Ion	Ratio	Lower	Upper
106	100		
91	229.5	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

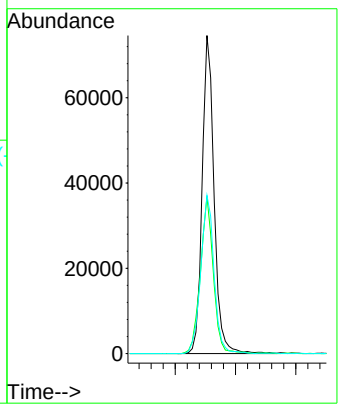
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

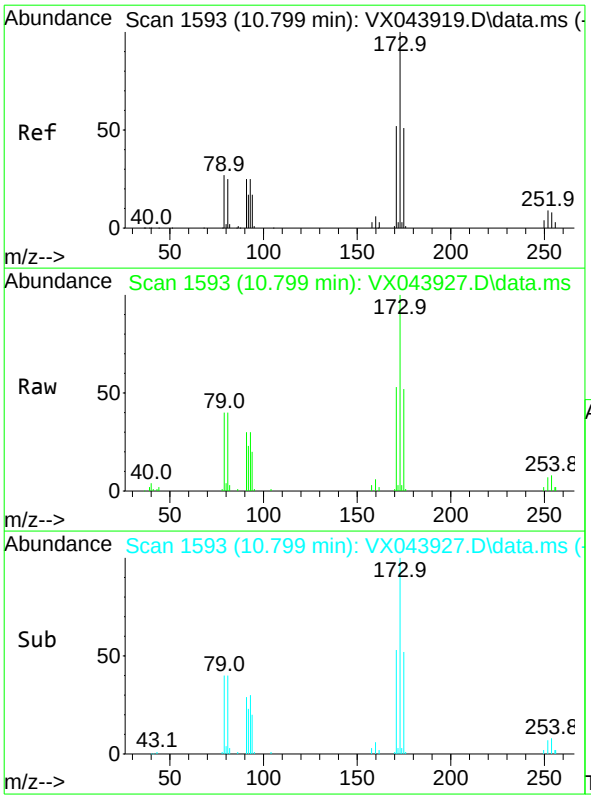


#70
Styrene
Concen: 22.308 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329

Ion	Ratio	Lower	Upper
104	100		
78	53.5	40.3	60.5
103	55.5	43.9	65.9

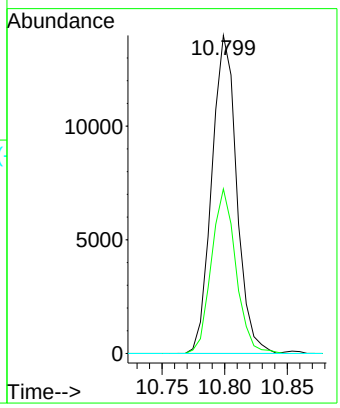




#71
Bromoform
Concen: 19.555 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:173 Resp: 19329

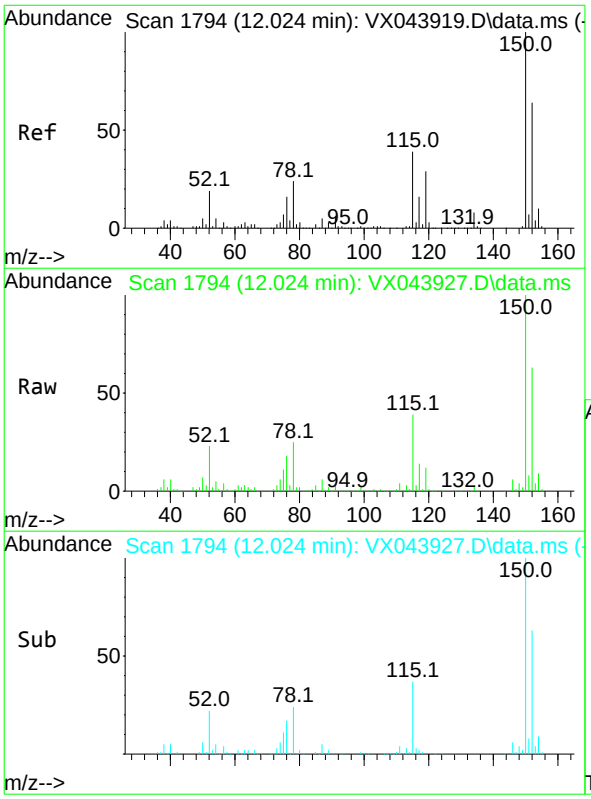
Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

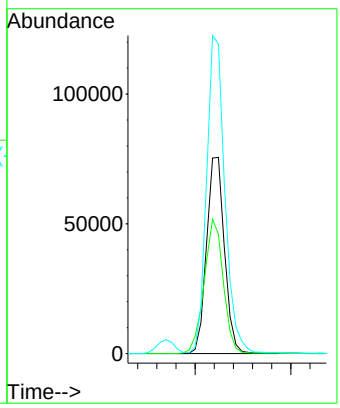
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

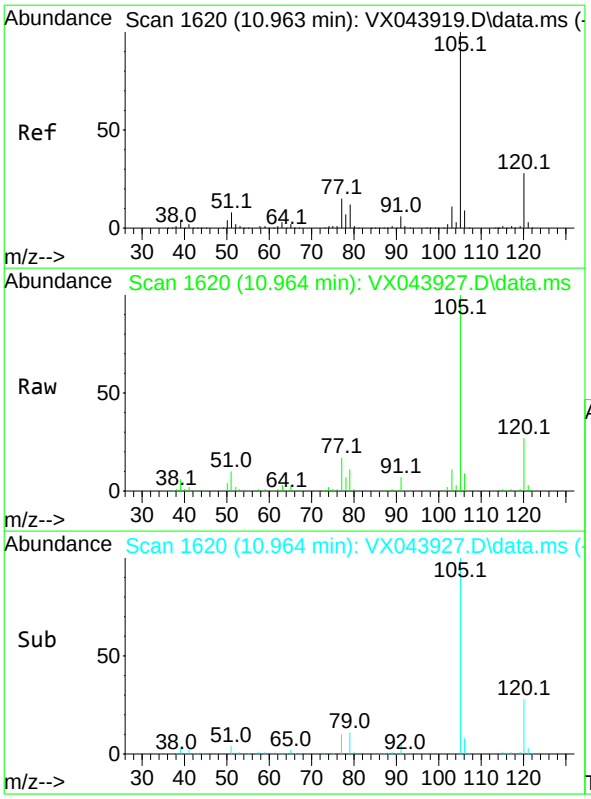


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:152 Resp: 98477

Ion	Ratio	Lower	Upper
152	100		
115	73.0	42.1	126.3
150	165.0	0.0	348.2

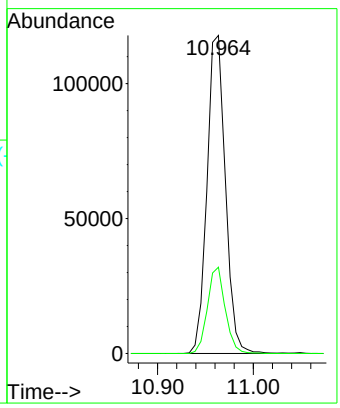




#73
Isopropylbenzene
Concen: 22.393 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 157405

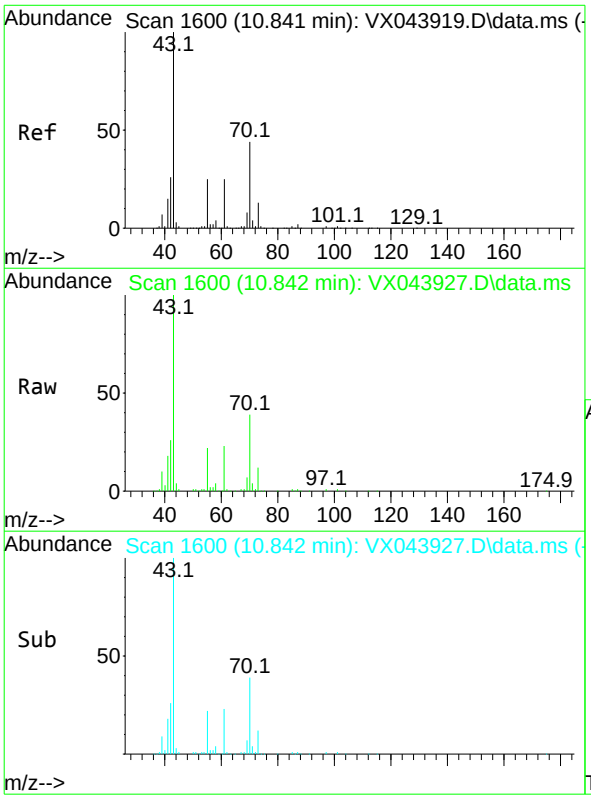
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

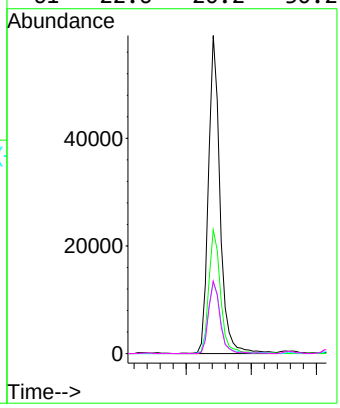
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

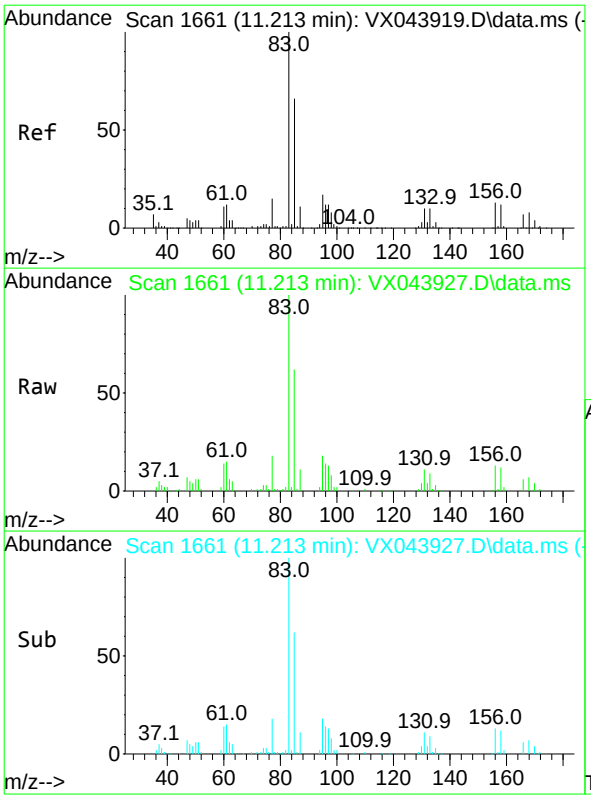


#74
N-amyl acetate
Concen: 23.459 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

Ion	Ratio	Lower	Upper
43	100		
70	39.1	36.5	54.7
55	23.3	19.6	29.4
61	22.6	20.2	30.2

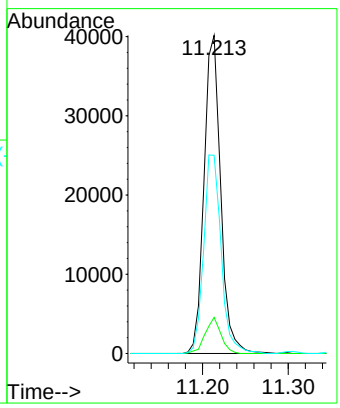




#75
1,1,2,2-Tetrachloroethane
Concen: 22.787 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 54158

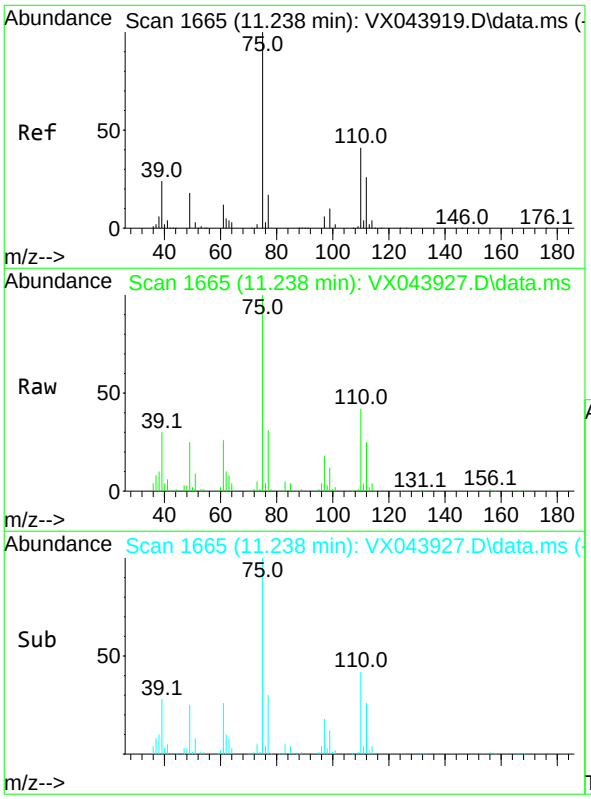
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	65.7	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

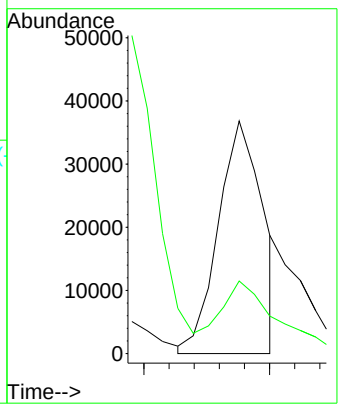
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

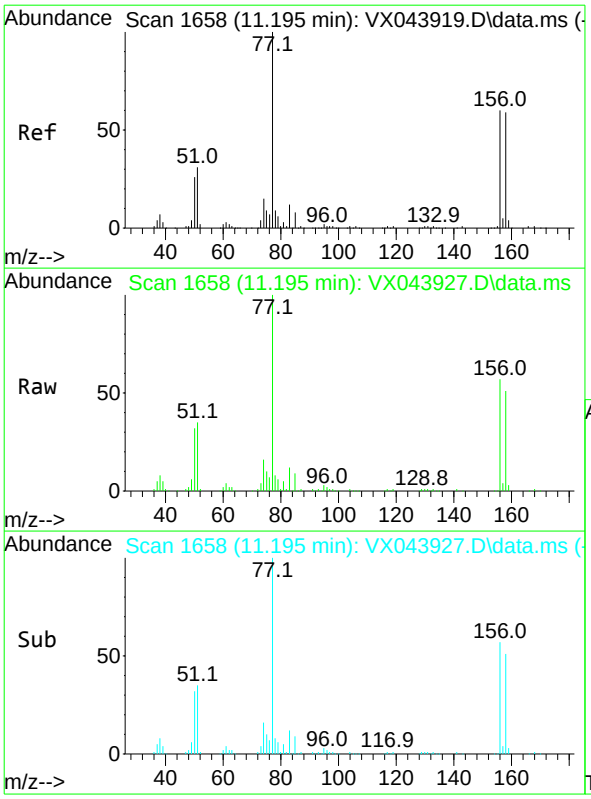


#76
1,2,3-Trichloropropane
Concen: 22.601 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 45423

Ion	Ratio	Lower	Upper
75	100		
77	40.9	22.4	67.0

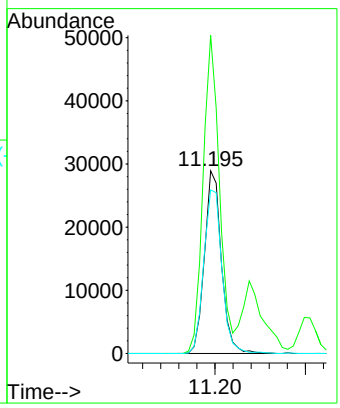




#77
Bromobenzene
Concen: 21.843 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:156 Resp: 37631

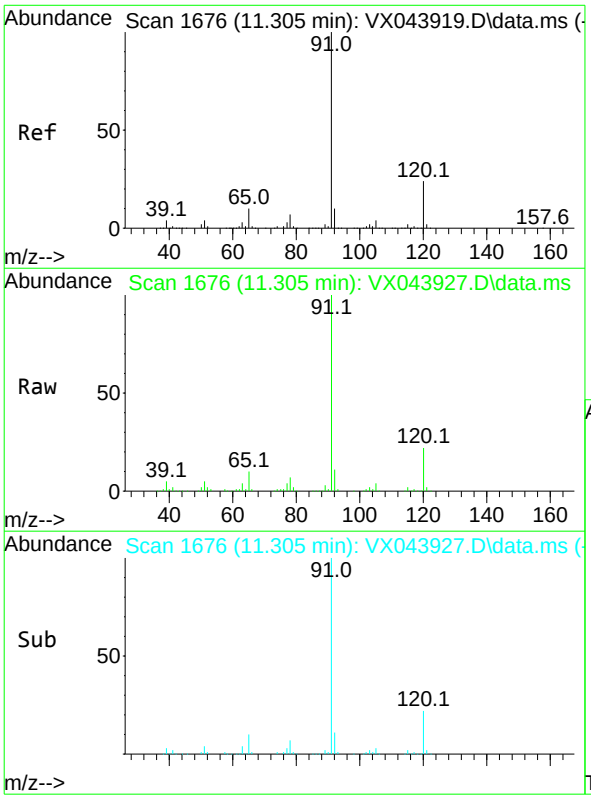
Ion	Ratio	Lower	Upper
156	100		
77	167.6	81.2	243.6
158	96.0	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

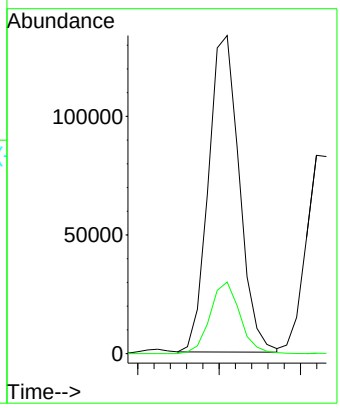
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

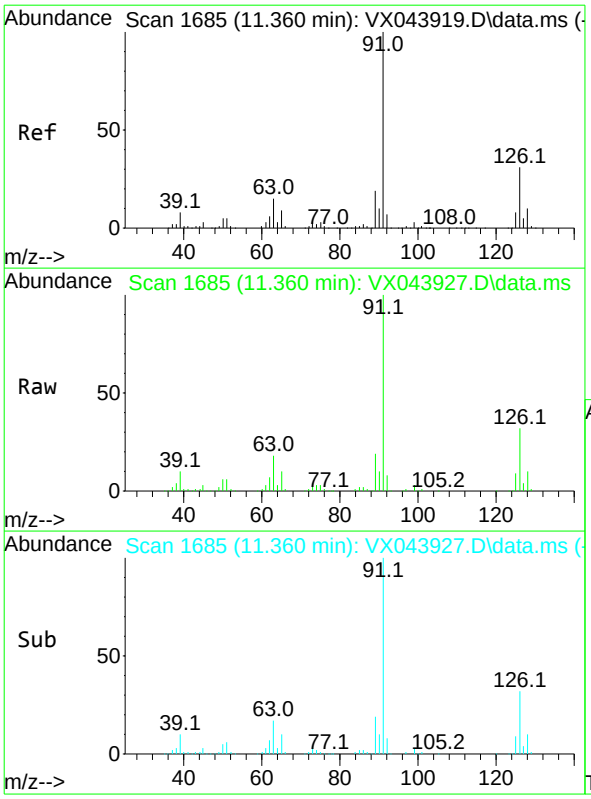


#78
n-propylbenzene
Concen: 22.696 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.5

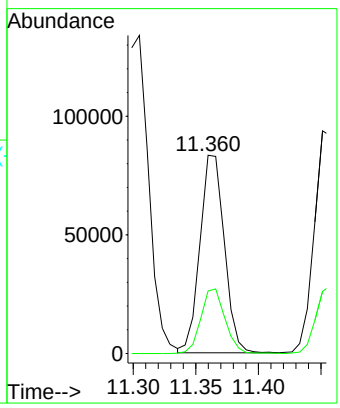




#79
2-Chlorotoluene
Concen: 22.894 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 112986

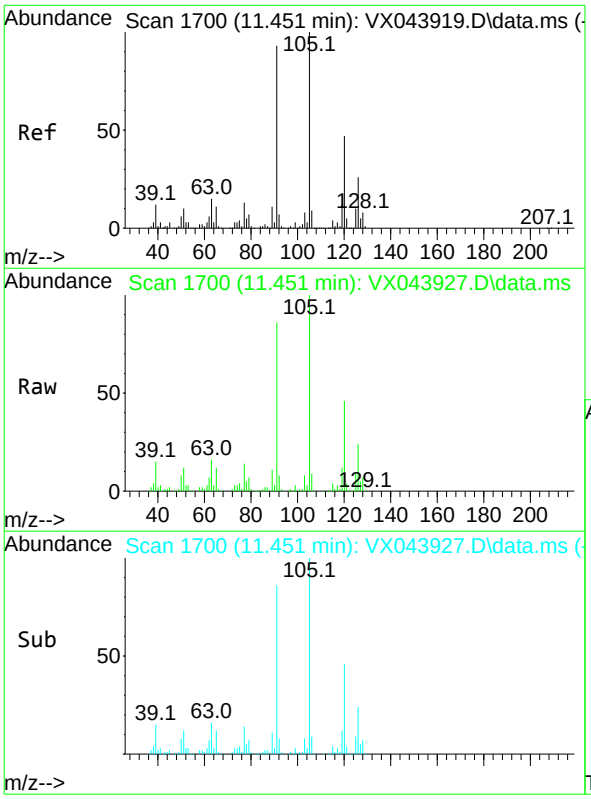
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

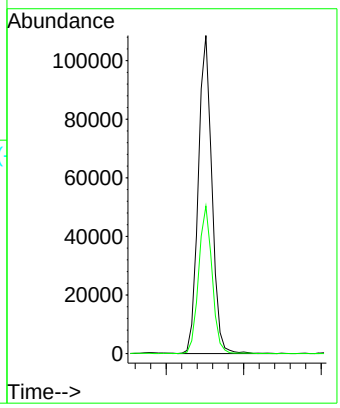
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

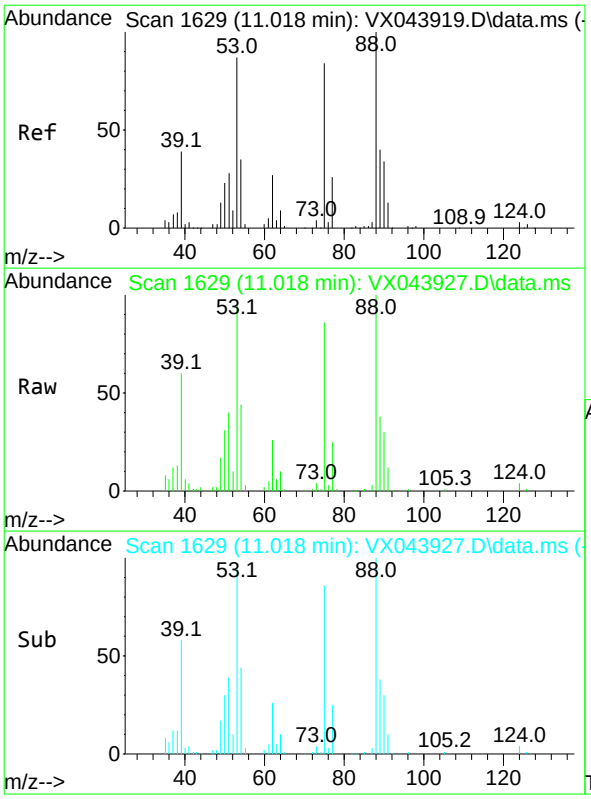


#80
1,3,5-Trimethylbenzene
Concen: 22.662 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.5

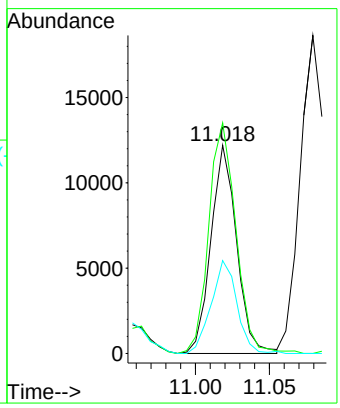




#81
trans-1,4-Dichloro-2-butene
Concen: 20.654 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 14743

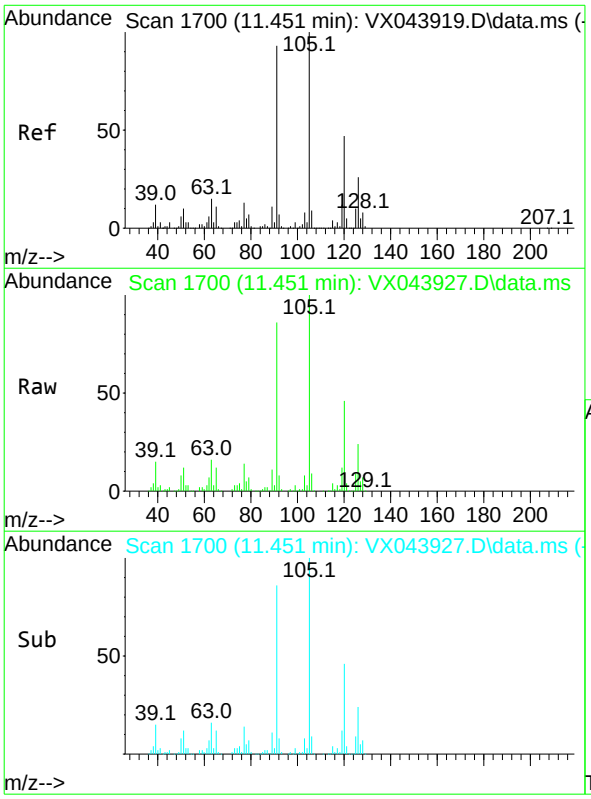
Ion	Ratio	Lower	Upper
75	100		
53	116.9	81.7	122.5
89	44.8	38.6	57.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

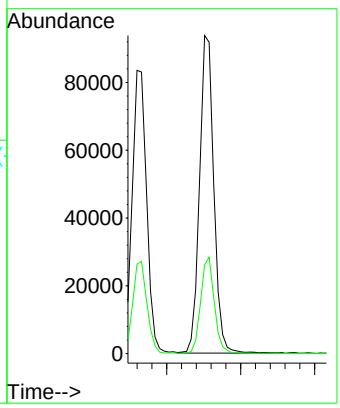
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

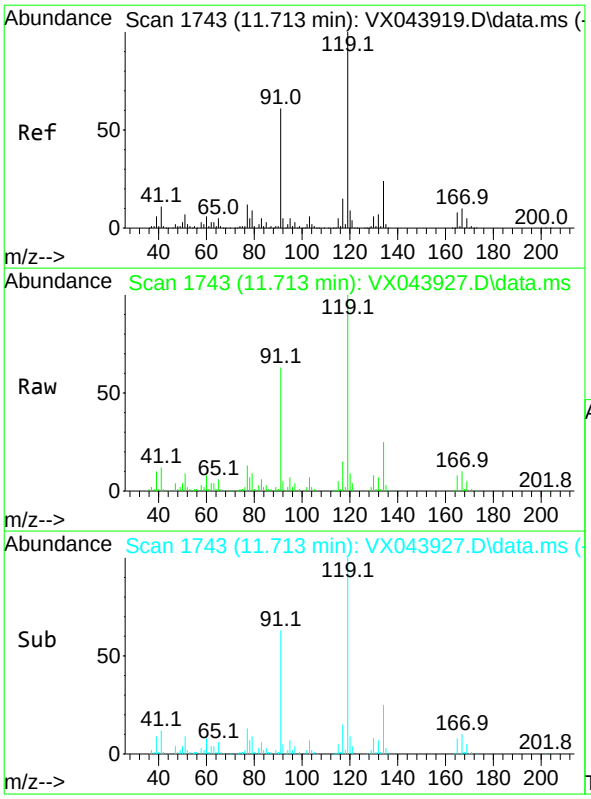


#82
4-Chlorotoluene
Concen: 22.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.4	43.2

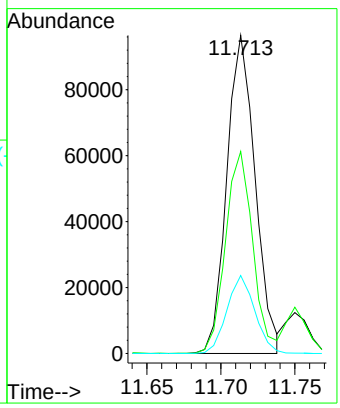




#83
tert-Butylbenzene
Concen: 21.582 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 128636

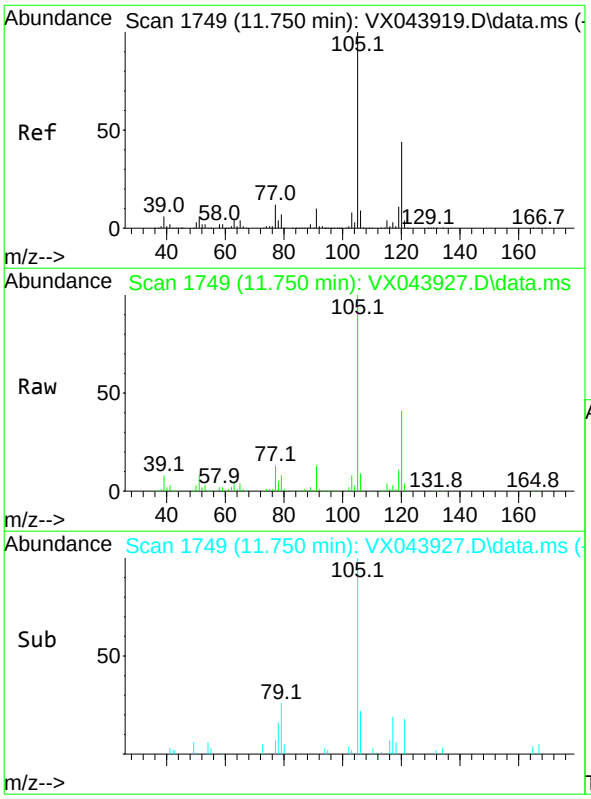
Ion	Ratio	Lower	Upper
119	100		
91	61.4	29.5	88.6
134	24.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

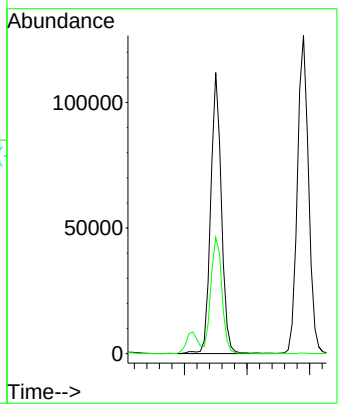
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

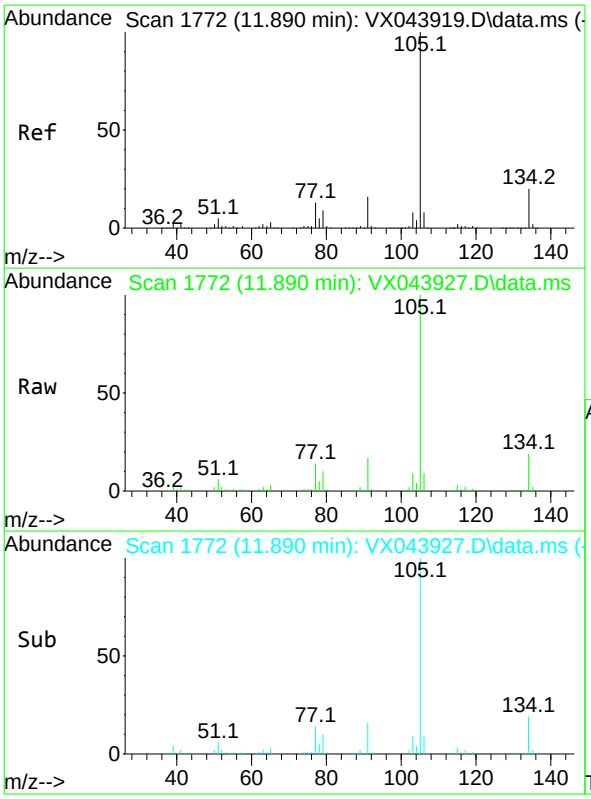


#84
1,2,4-Trimethylbenzene
Concen: 22.408 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.7	65.1

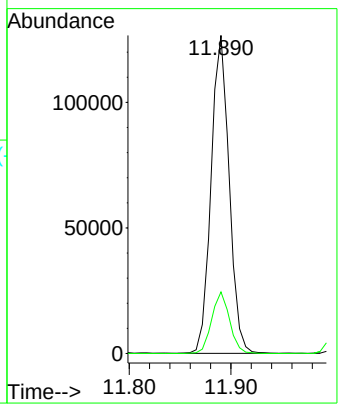




#85
sec-Butylbenzene
Concen: 21.962 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 156312

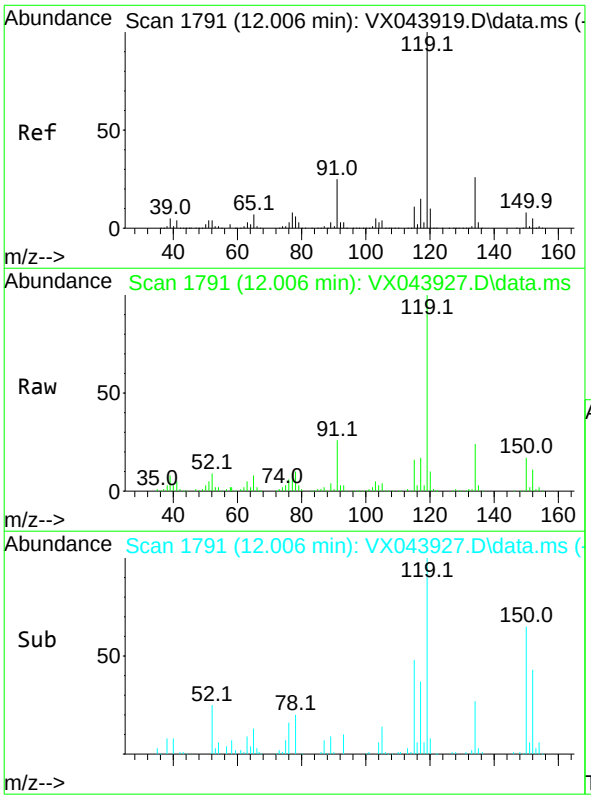
Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

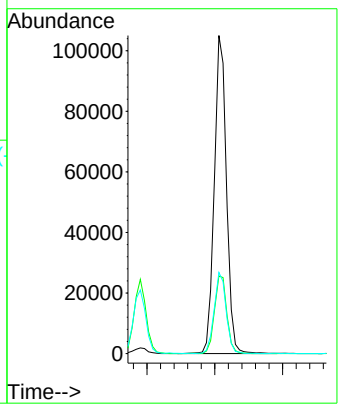
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

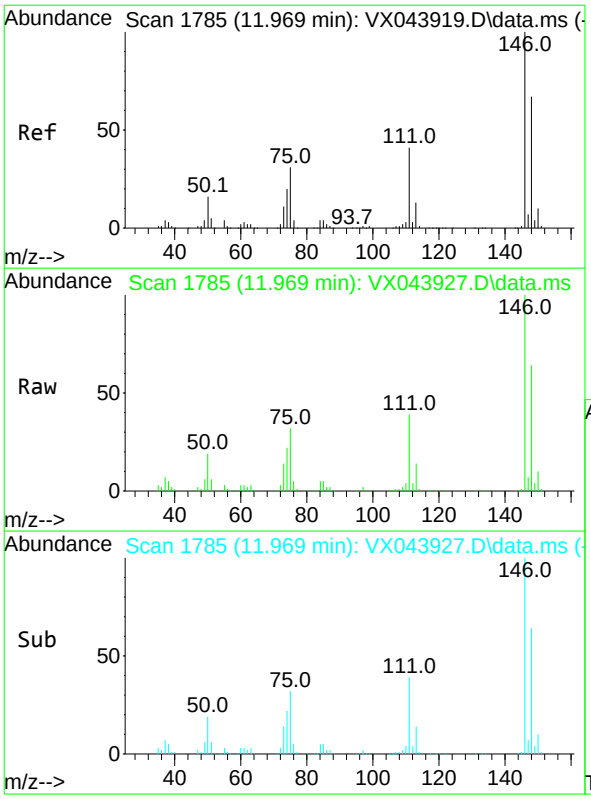


#86
p-Isopropyltoluene
Concen: 21.854 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 130605

Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	38.9
91	25.2	12.3	36.8

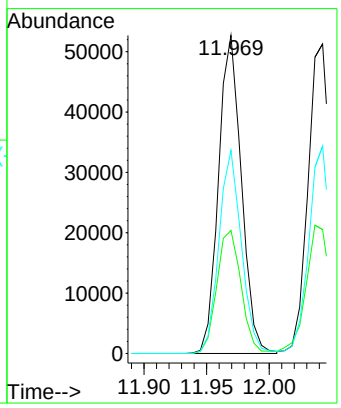




#87
1,3-Dichlorobenzene
Concen: 20.986 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67003

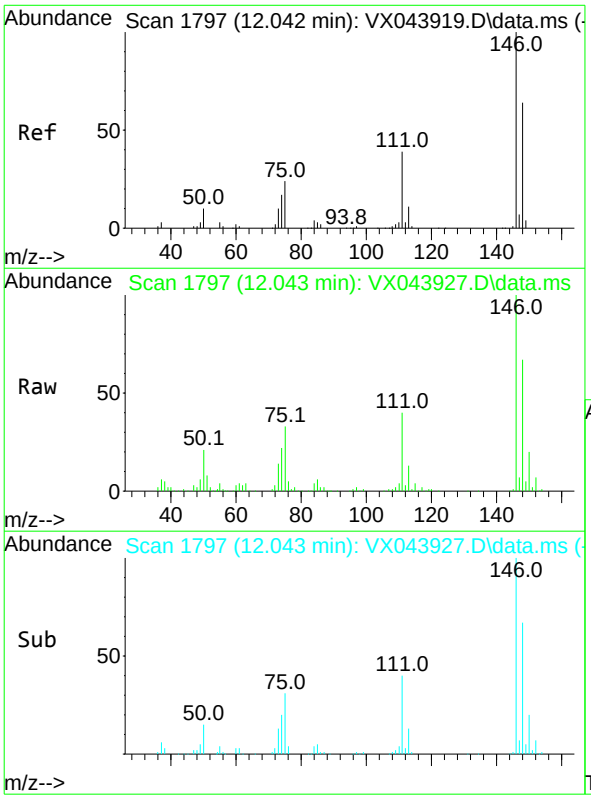
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	62.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

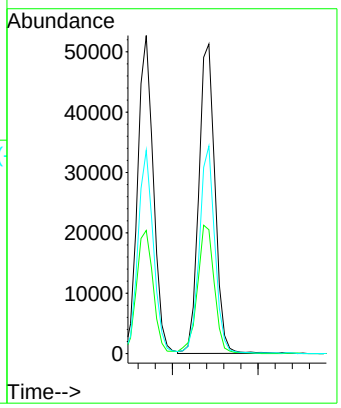
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

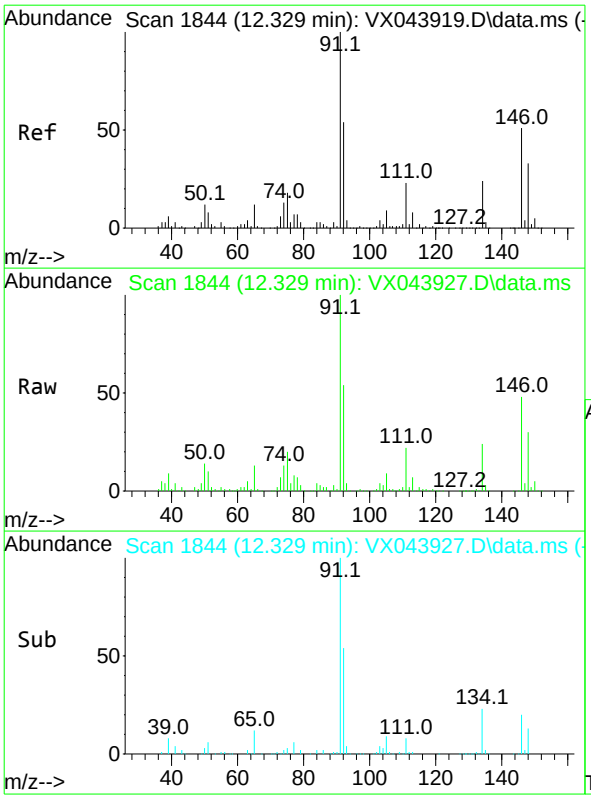


#88
1,4-Dichlorobenzene
Concen: 20.527 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.1	60.2
148	64.1	32.2	96.6

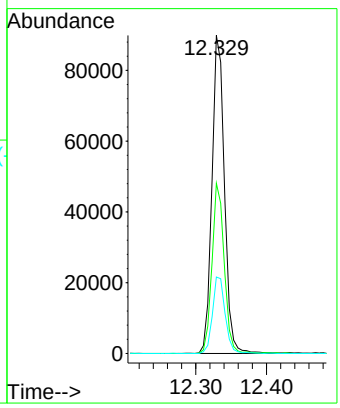




#89
n-Butylbenzene
Concen: 21.698 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 110491

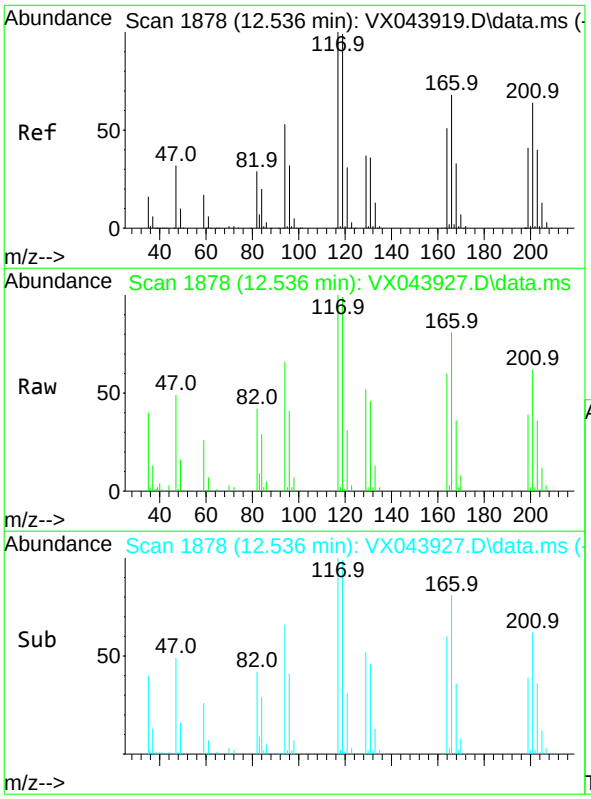
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.9	80.6
134	24.4	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

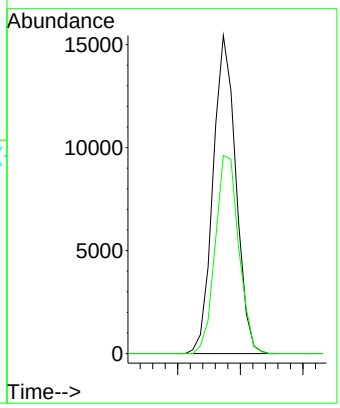
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

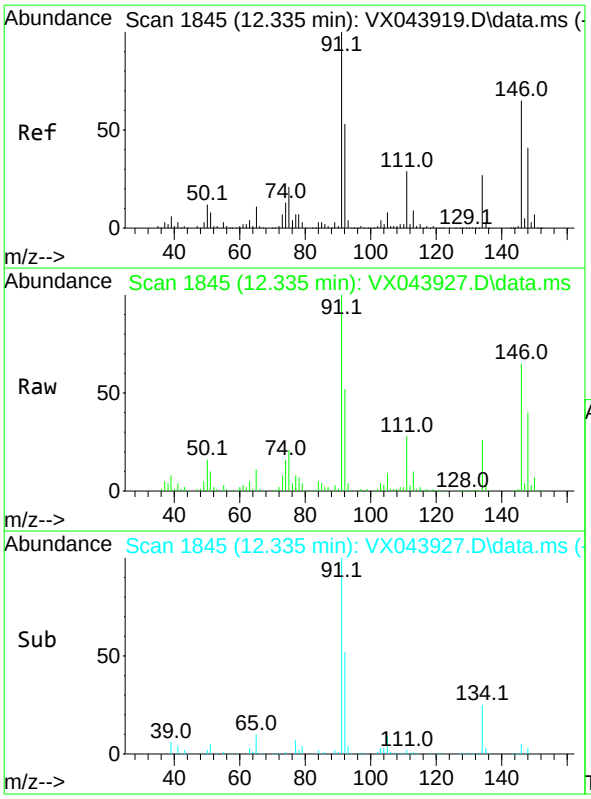


#90
Hexachloroethane
Concen: 19.432 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

Ion	Ratio	Lower	Upper
117	100		
201	64.5	34.1	102.3

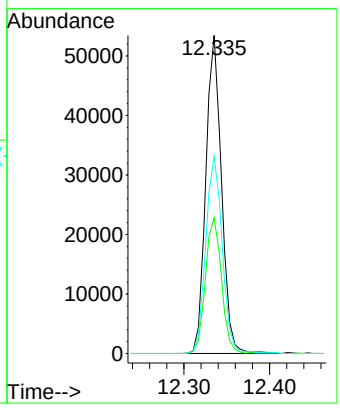




#91
1,2-Dichlorobenzene
Concen: 20.298 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67852

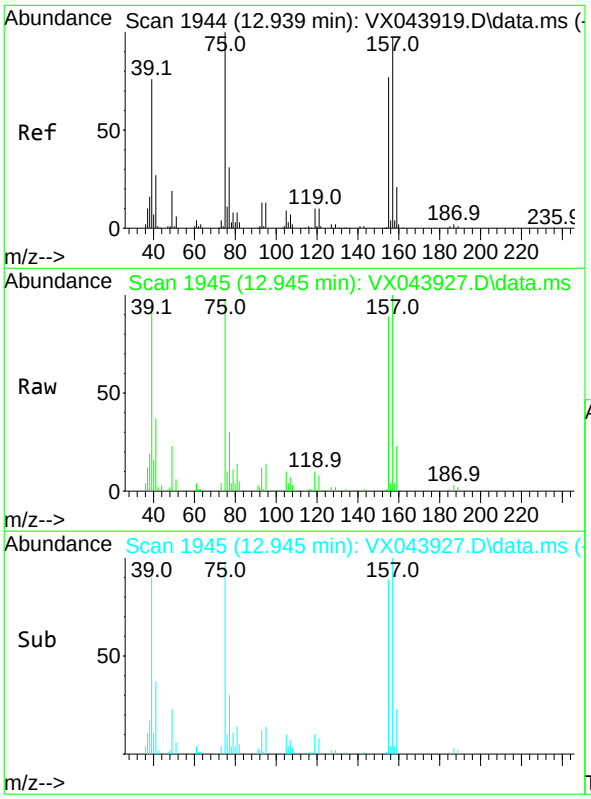
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	65.4	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

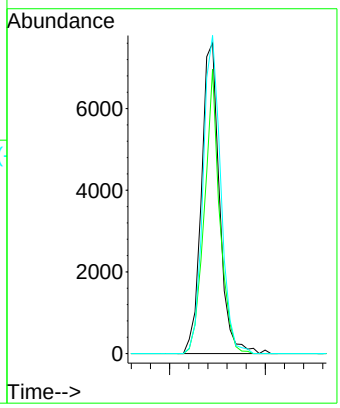
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

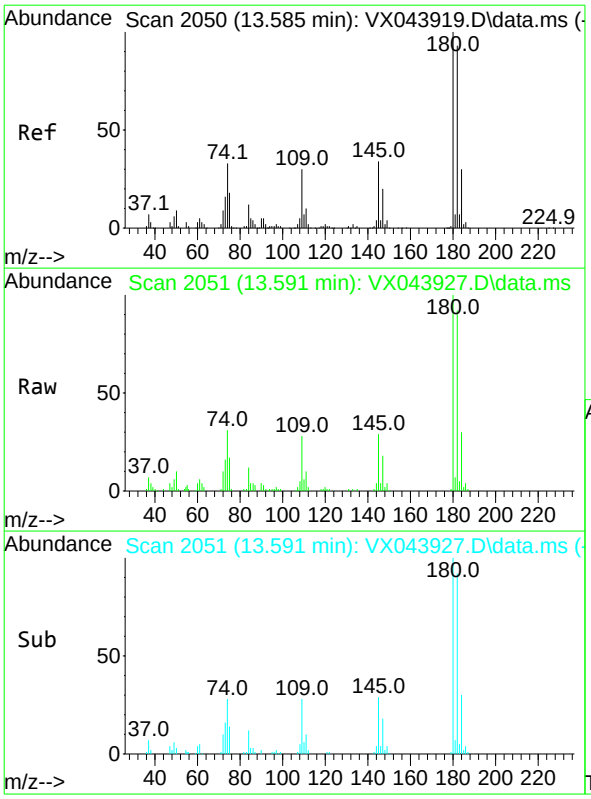


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.259 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 9939

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.8	122.5
157	100.2	54.3	162.9

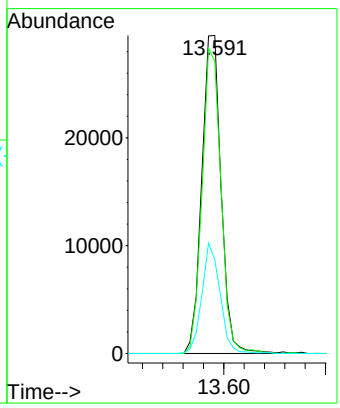




#93
1,2,4-Trichlorobenzene
Concen: 19.894 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 38866

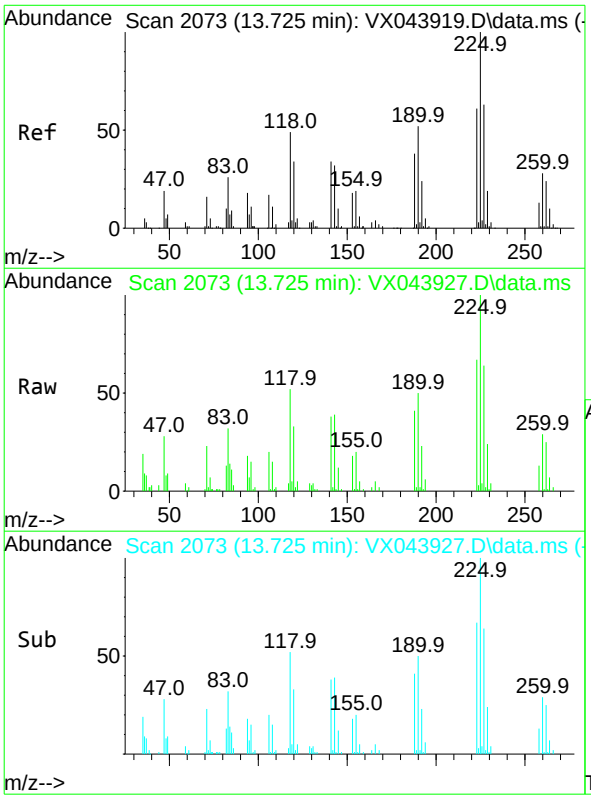
Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.8	140.4
145	32.7	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

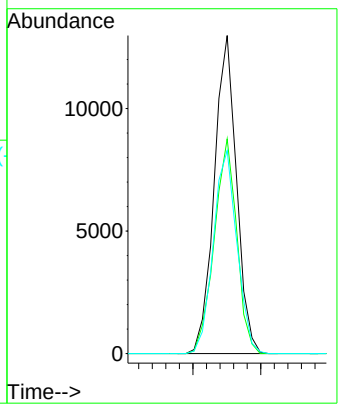
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

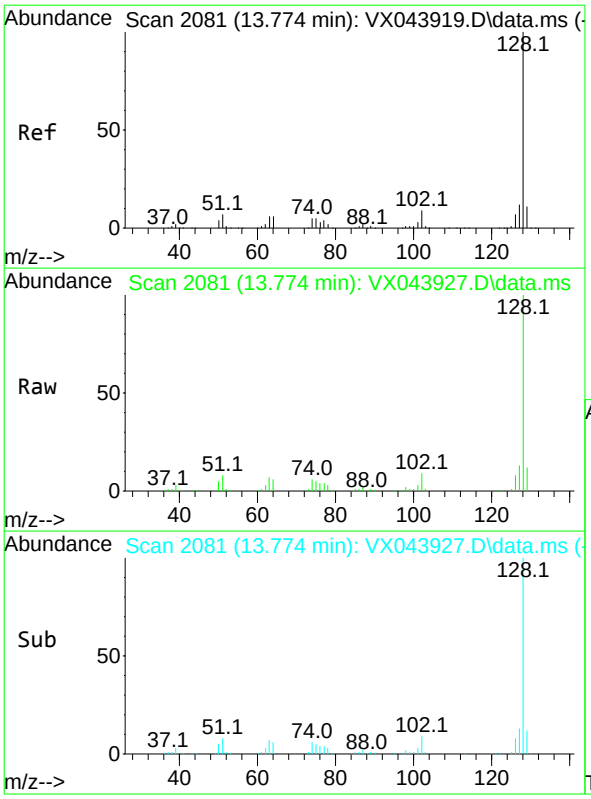


#94
Hexachlorobutadiene
Concen: 18.508 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:225 Resp: 14818

Ion	Ratio	Lower	Upper
225	100		
223	67.9	31.1	93.3
227	67.6	29.8	89.5

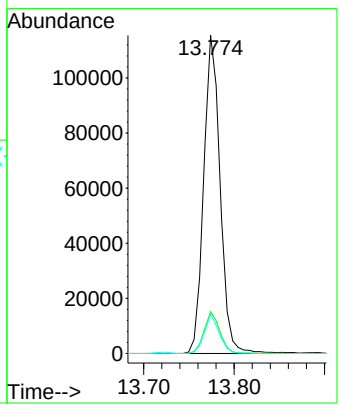




#95
Naphthalene
Concen: 19.999 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:128 Resp: 145678

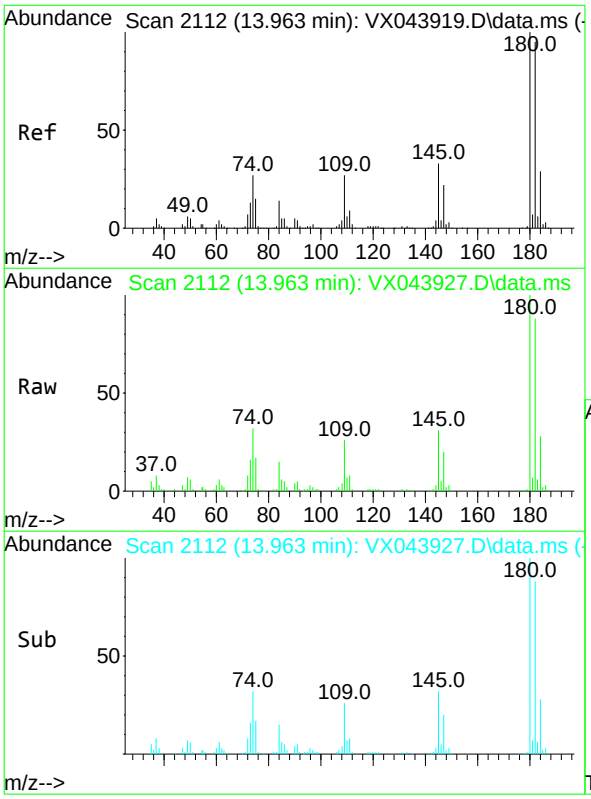
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.3	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

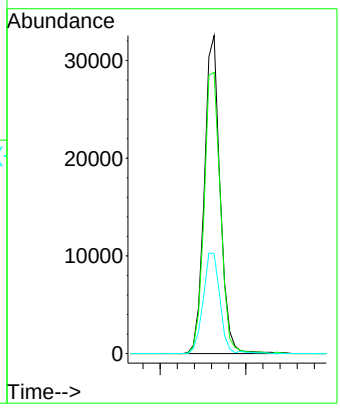
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.415 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.6	142.8
145	33.9	17.4	52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104086	48.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.800%			
35) Dibromofluoromethane	5.379	113	78954	48.663	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.320%			
50) Toluene-d8	8.641	98	266650	49.194	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.380%			
62) 4-Bromofluorobenzene	11.079	95	93510	52.209	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	94790	67.600	ug/l	98
3) Chloromethane	1.295	50	96646	55.148	ug/l	100
4) Vinyl Chloride	1.374	62	105586	59.966	ug/l	100
5) Bromomethane	1.593	94	61728	77.177	ug/l	97
6) Chloroethane	1.660	64	63580	75.594	ug/l	98
7) Trichlorofluoromethane	1.868	101	188045	74.909	ug/l	100
8) Diethyl Ether	2.130	74	65665	69.383	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	61.367	ug/l	97
10) Methyl Iodide	2.441	142	112083	53.608	ug/l	95
11) Tert butyl alcohol	2.995	59	100130	295.821	ug/l	99
12) 1,1-Dichloroethene	2.307	96	83087	57.625	ug/l	92
13) Acrolein	2.233	56	100647	265.136	ug/l	97
14) Allyl chloride	2.654	41	144663	61.883	ug/l	91
15) Acrylonitrile	3.063	53	256493	294.373	ug/l	98
16) Acetone	2.380	43	294611	344.605	ug/l	93
17) Carbon Disulfide	2.502	76	178294	56.633	ug/l	99
18) Methyl Acetate	2.703	43	136735	58.404	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	313754	58.872	ug/l	98
20) Methylene Chloride	2.782	84	92475	51.676	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	87752	55.825	ug/l	95
22) Diisopropyl ether	3.758	45	299631	58.668	ug/l	94
23) Vinyl Acetate	3.715	43	1344870	324.875	ug/l	97
24) 1,1-Dichloroethane	3.599	63	174008	57.932	ug/l	99
25) 2-Butanone	4.556	43	392575	328.247	ug/l	97
26) 2,2-Dichloropropane	4.465	77	158151	64.072	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	109742	56.100	ug/l	94
28) Bromochloromethane	4.885	49	62386	49.360	ug/l	88
29) Tetrahydrofuran	5.001	42	234208	303.060	ug/l	97
30) Chloroform	5.080	83	182404	58.257	ug/l	94
31) Cyclohexane	5.458	56	144224	59.242	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	164023	61.280	ug/l	98
36) 1,1-Dichloropropene	5.678	75	119269	58.983	ug/l	99
37) Ethyl Acetate	4.709	43	147393	64.767	ug/l	98
38) Carbon Tetrachloride	5.666	117	134725	62.932	ug/l	97
39) Methylcyclohexane	7.373	83	158586	62.647	ug/l	95
40) Benzene	6.025	78	360978	56.780	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	79507	67.041 ug/l		96
42) 1,2-Dichloroethane	6.074	62	145681	63.109 ug/l		97
43) Isopropyl Acetate	6.336	43	235856	65.697 ug/l		94
44) Trichloroethene	7.117	130	90015	51.360 ug/l		91
45) 1,2-Dichloropropane	7.422	63	89529	57.459 ug/l		98
46) Dibromomethane	7.574	93	70679	60.196 ug/l		96
47) Bromodichloromethane	7.818	83	131365	63.678 ug/l		97
48) Methyl methacrylate	7.690	41	112803	63.393 ug/l	#	88
49) 1,4-Dioxane	7.659	88	33402	881.301 ug/l	#	73
51) 4-Methyl-2-Pentanone	8.574	43	732582	327.265 ug/l		95
52) Toluene	8.714	92	222500	60.664 ug/l		97
53) t-1,3-Dichloropropene	8.976	75	137451	65.667 ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	147638	62.243 ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	89441	62.501 ug/l		97
56) Ethyl methacrylate	9.116	69	148281	65.443 ug/l	#	88
57) 1,3-Dichloropropane	9.305	76	151124	63.034 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	312.467 ug/l		98
59) 2-Hexanone	9.427	43	568460	359.925 ug/l		93
60) Dibromochloromethane	9.519	129	95641	68.588 ug/l		99
61) 1,2-Dibromoethane	9.604	107	92940	62.263 ug/l		99
64) Tetrachloroethene	9.269	164	74157	54.472 ug/l		99
65) Chlorobenzene	10.080	112	243080	54.828 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	56.885 ug/l		98
67) Ethyl Benzene	10.189	91	429559	57.573 ug/l		97
68) m/p-Xylenes	10.299	106	323661	116.466 ug/l		96
69) o-Xylene	10.640	106	160643	59.245 ug/l		99
70) Styrene	10.653	104	268004	59.974 ug/l		98
71) Bromoform	10.799	173	60267	62.587 ug/l	#	98
73) Isopropylbenzene	10.957	105	411000	57.397 ug/l		99
74) N-amyl acetate	10.842	43	200195	62.704 ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	57.726 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	118450m	57.858 ug/l		
77) Bromobenzene	11.195	156	97761	55.706 ug/l		97
78) n-propylbenzene	11.299	91	474802	60.094 ug/l		100
79) 2-Chlorotoluene	11.360	91	286649	57.018 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	58.215 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	61.129 ug/l		96
82) 4-Chlorotoluene	11.451	91	333946	57.679 ug/l		100
83) tert-Butylbenzene	11.713	119	345112	56.841 ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	345112	57.254 ug/l		99
85) sec-Butylbenzene	11.890	105	426284	58.794 ug/l		99
86) p-Isopropyltoluene	12.006	119	353256	58.026 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	176936	54.401 ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	178728	53.598 ug/l		98
89) n-Butylbenzene	12.329	91	319448	61.581 ug/l		99
90) Hexachloroethane	12.536	117	59010	57.586 ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	177334	52.077 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	56.961 ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.645 ug/l		98
94) Hexachlorobutadiene	13.725	225	41267	50.599 ug/l		95
95) Naphthalene	13.774	128	401752	54.142 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	54.094 ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

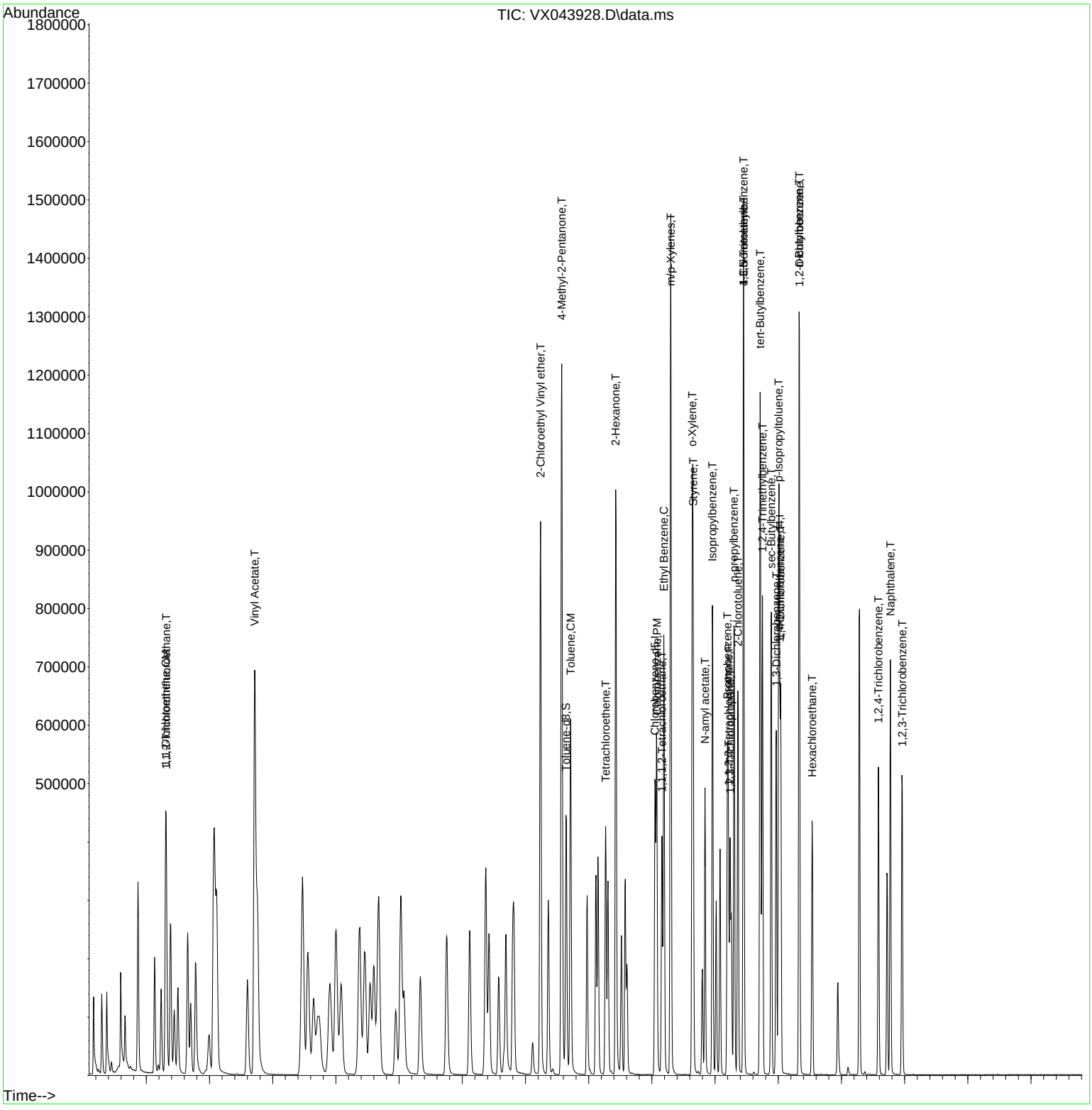
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

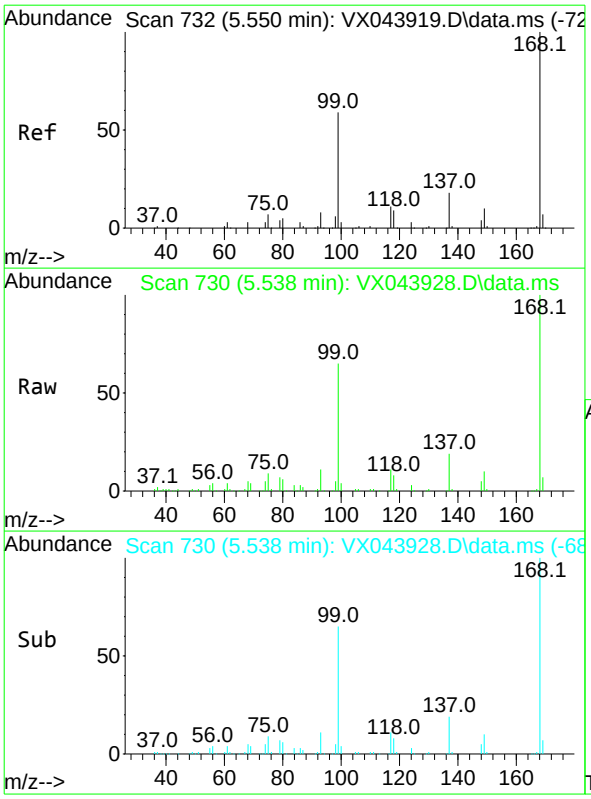
Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

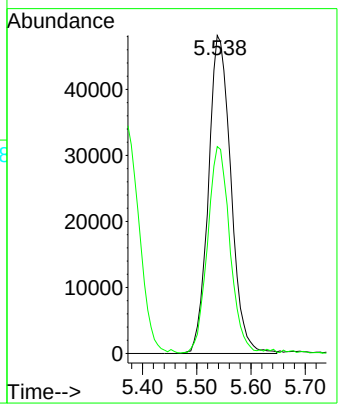




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:168 Resp: 138578

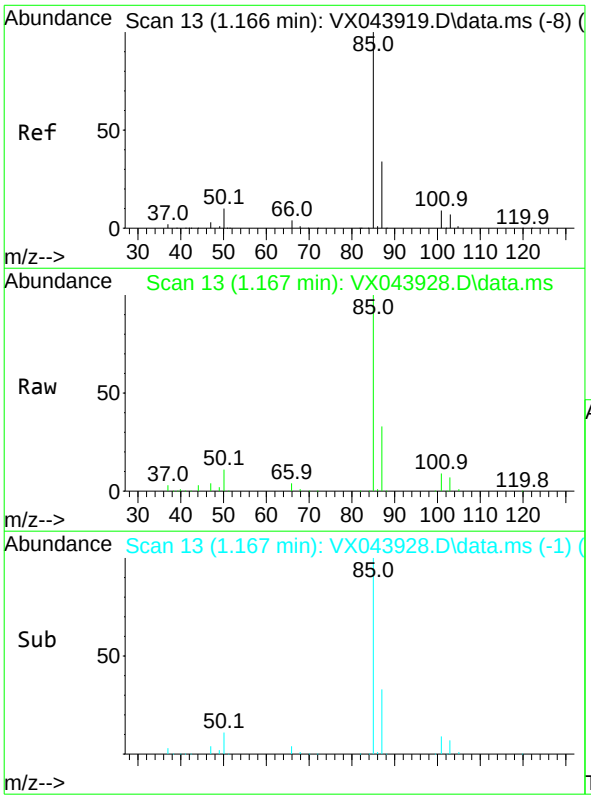
Ion	Ratio	Lower	Upper
168	100		
99	64.8	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

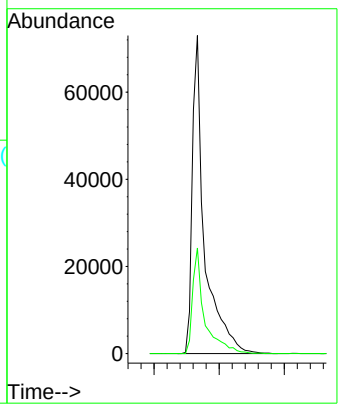
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

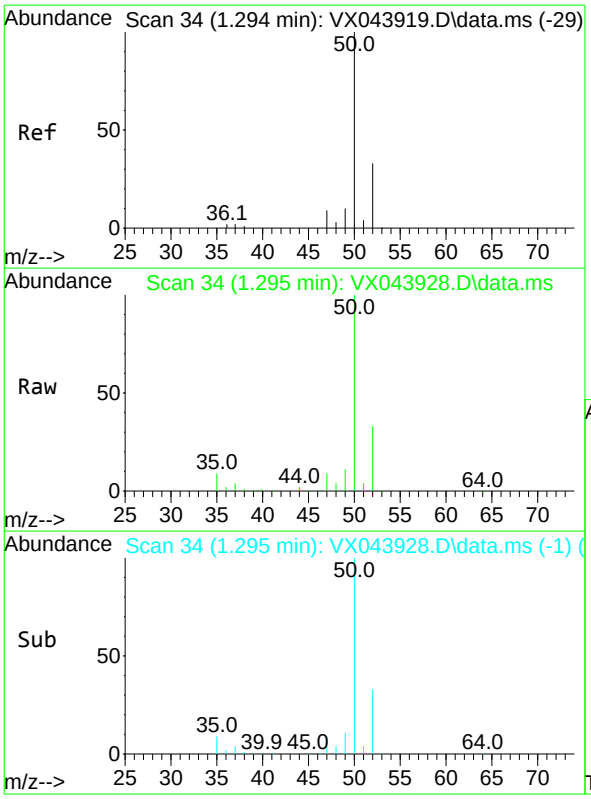


#2
Dichlorodifluoromethane
Concen: 67.600 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.1	51.2

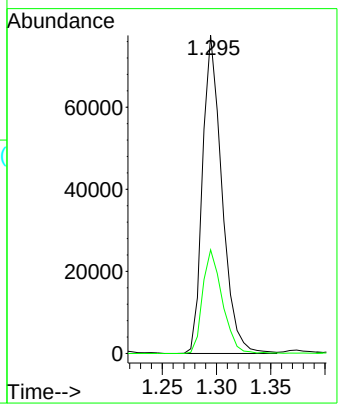




#3
Chloromethane
Concen: 55.148 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 50 Resp: 96646

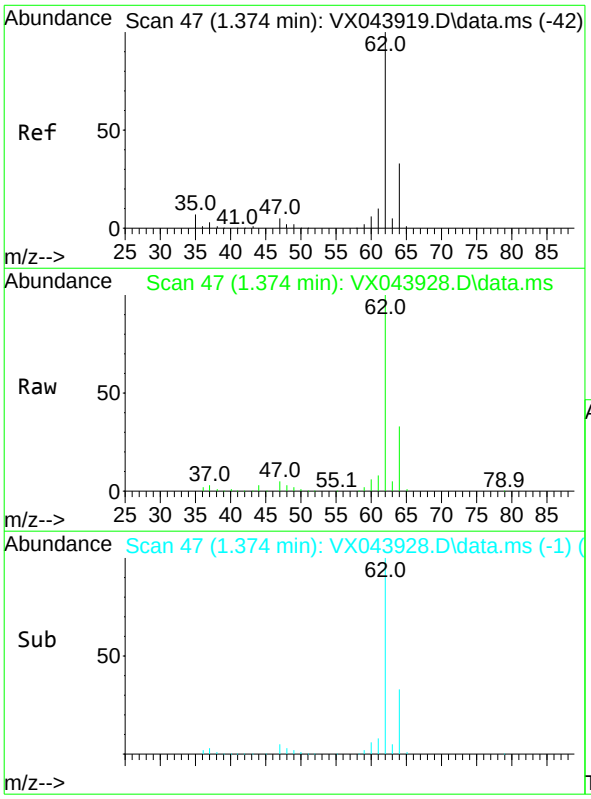
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

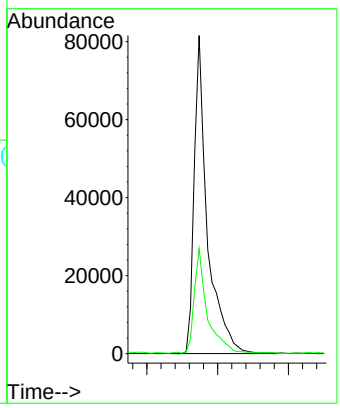
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

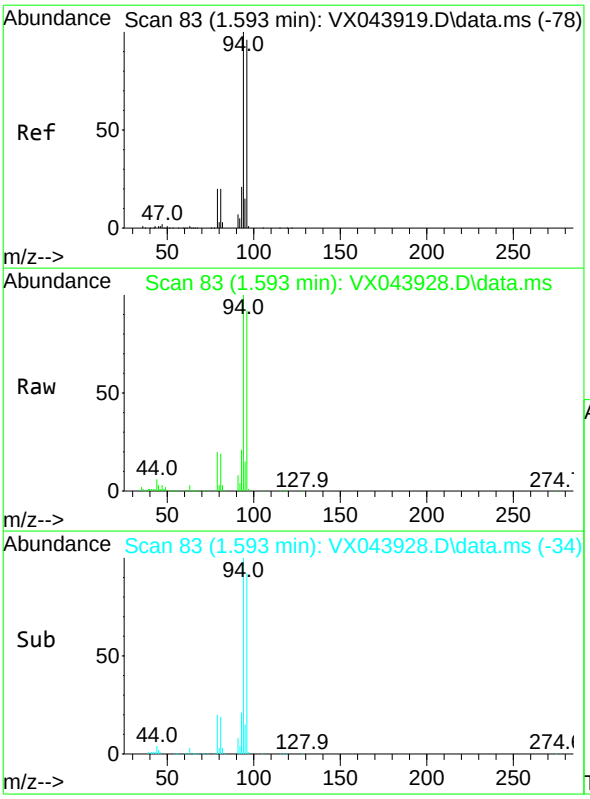


#4
Vinyl Chloride
Concen: 59.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.1	39.1

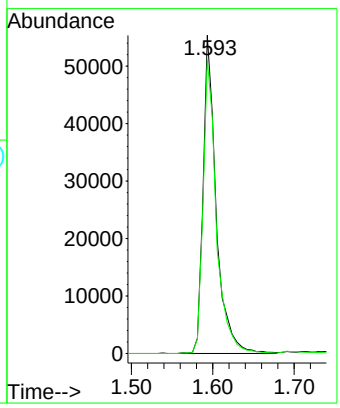




#5
Bromomethane
Concen: 77.177 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 94 Resp: 61728

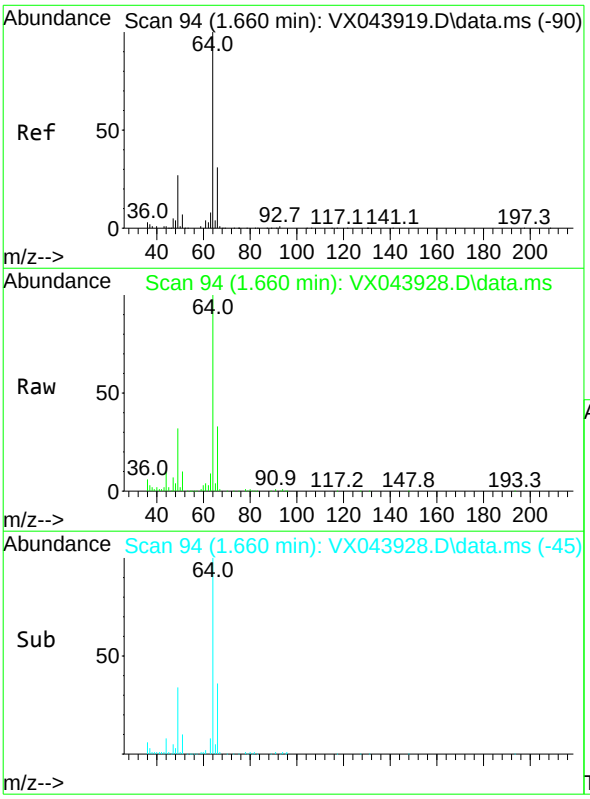
Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

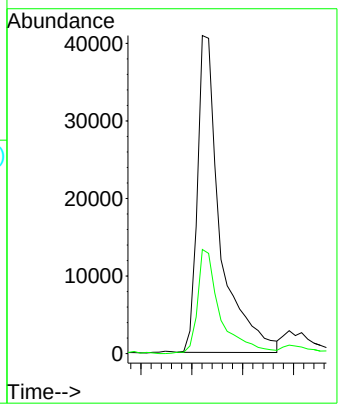
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

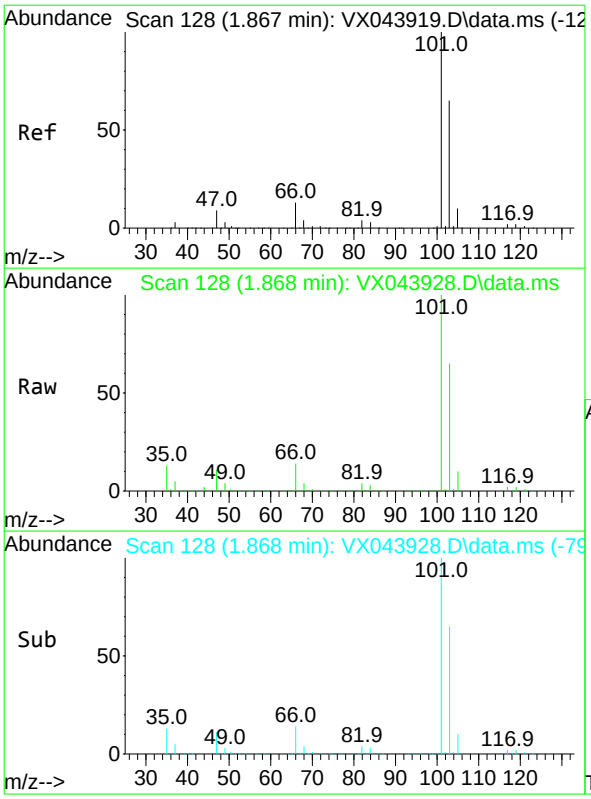


#6
Chloroethane
Concen: 75.594 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

Ion	Ratio	Lower	Upper
64	100		
66	32.4	24.9	37.3

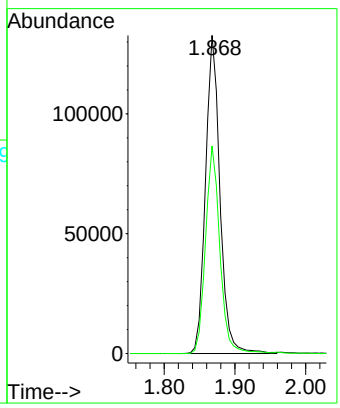




#7
Trichlorofluoromethane
Concen: 74.909 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 188045

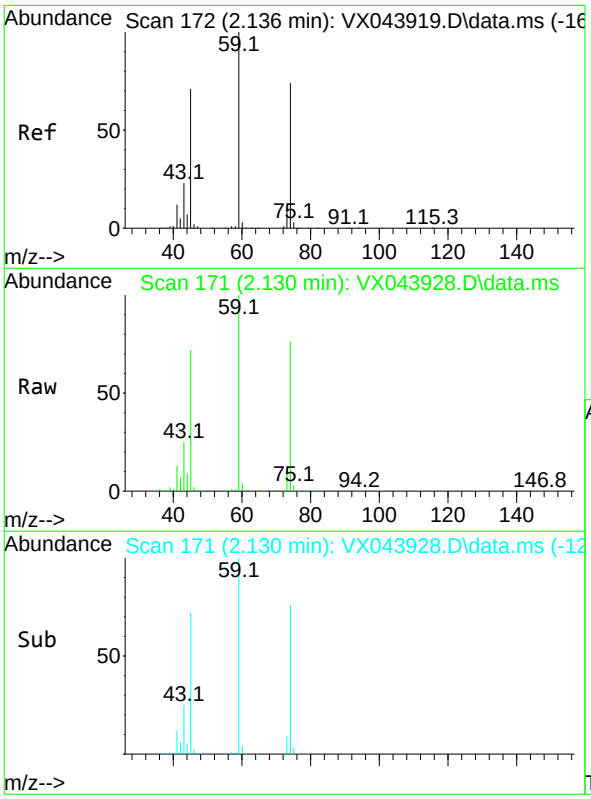
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

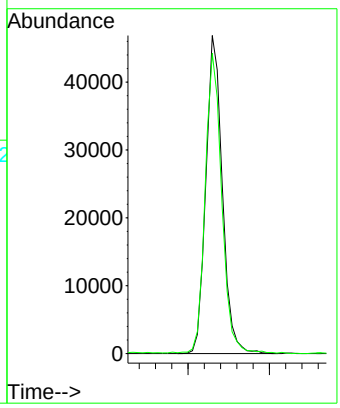
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

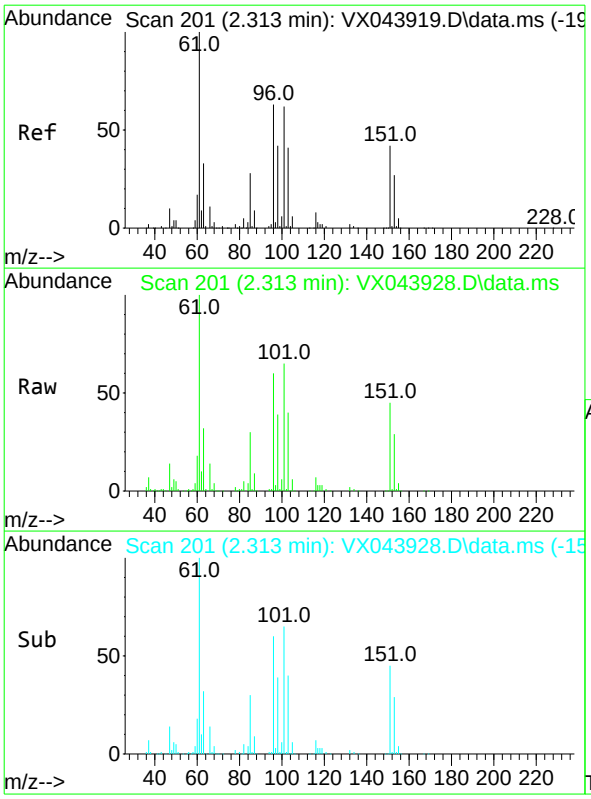


#8
Diethyl Ether
Concen: 69.383 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

Ion	Ratio	Lower	Upper
74	100		
45	95.7	49.9	149.6

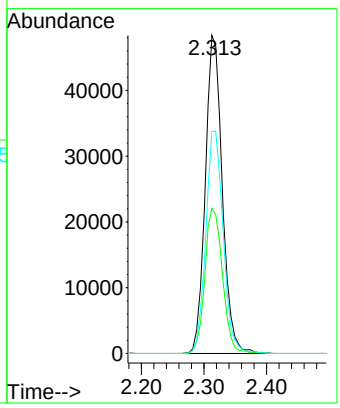




#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.367 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 91167

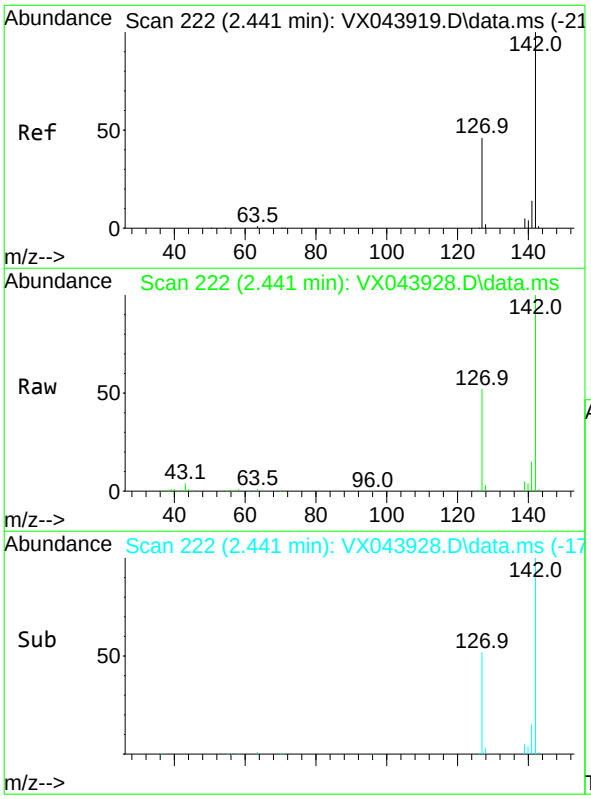
Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.6	54.8
151	71.9	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

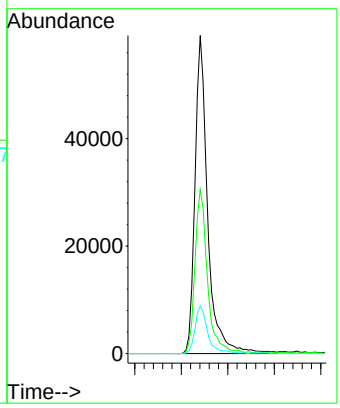
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

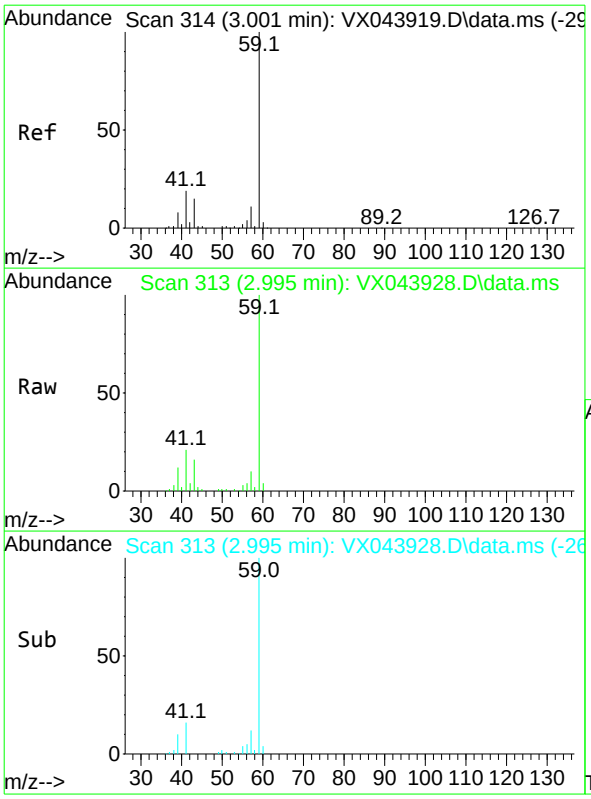


#10
Methyl Iodide
Concen: 53.608 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083

Ion	Ratio	Lower	Upper
142	100		
127	50.9	37.3	55.9
141	15.0	11.4	17.2

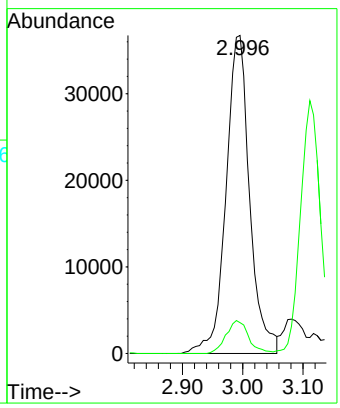




#11
Tert butyl alcohol
Concen: 295.821 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 59 Resp: 100130

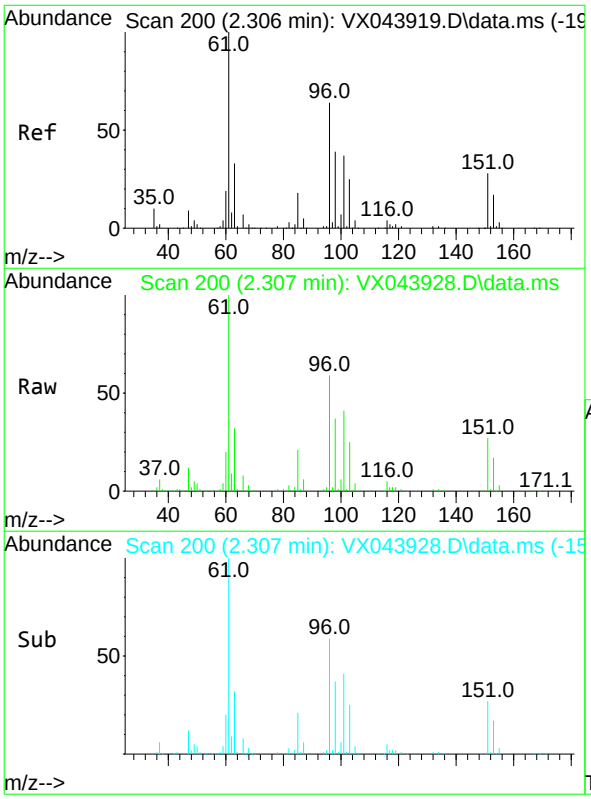
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

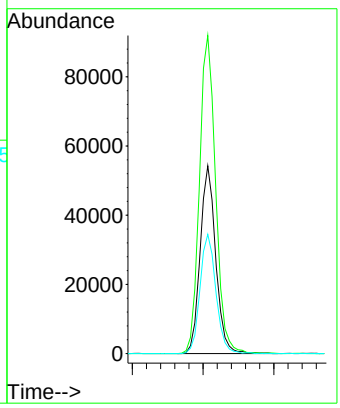
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

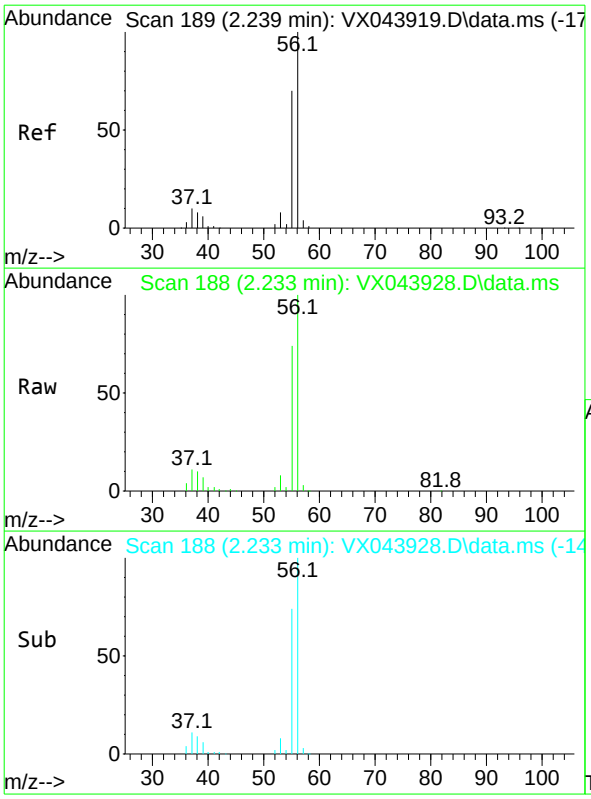


#12
1,1-Dichloroethene
Concen: 57.625 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087

Ion	Ratio	Lower	Upper
96	100		
61	169.4	124.6	187.0
98	63.5	49.0	73.6

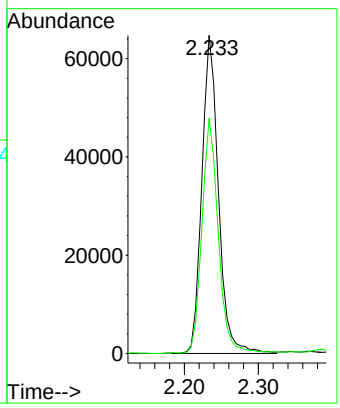




#13
Acrolein
Concen: 265.136 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 56 Resp: 100647

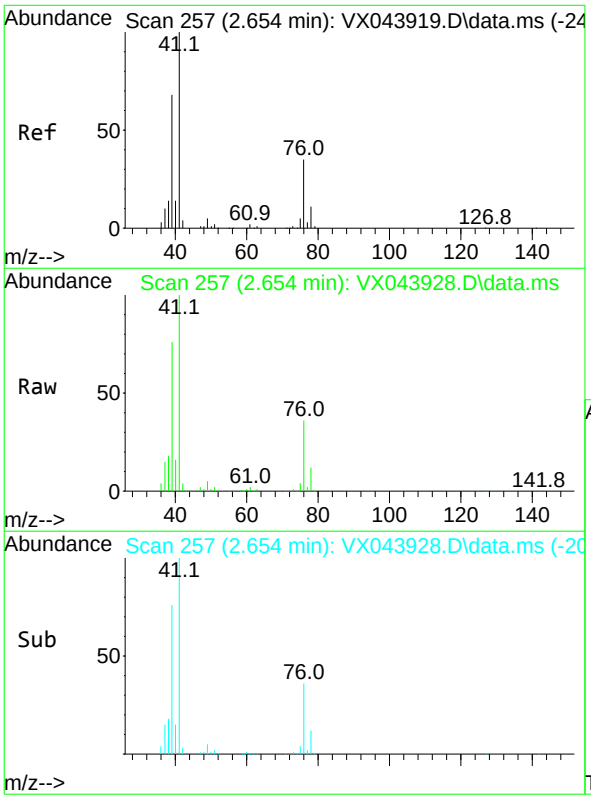
Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

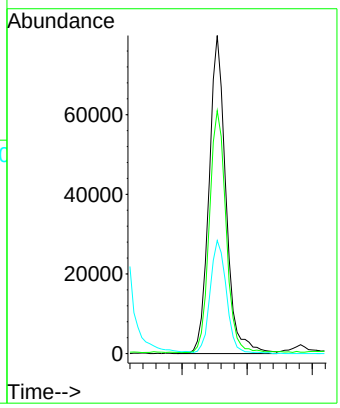
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

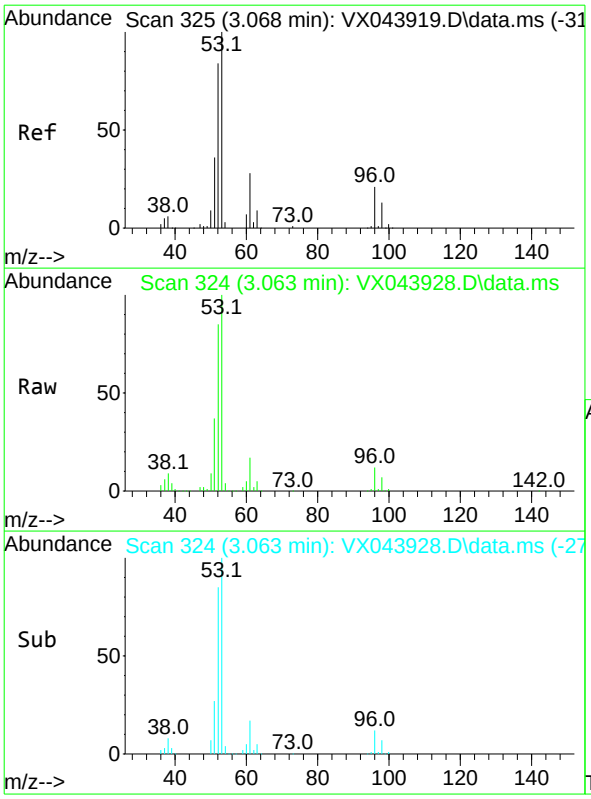


#14
Allyl chloride
Concen: 61.883 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663

Ion	Ratio	Lower	Upper
41	100		
39	74.4	51.7	77.5
76	34.3	28.2	42.2

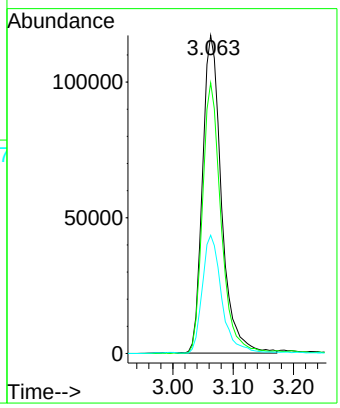




#15
Acrylonitrile
Concen: 294.373 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 53 Resp: 256493

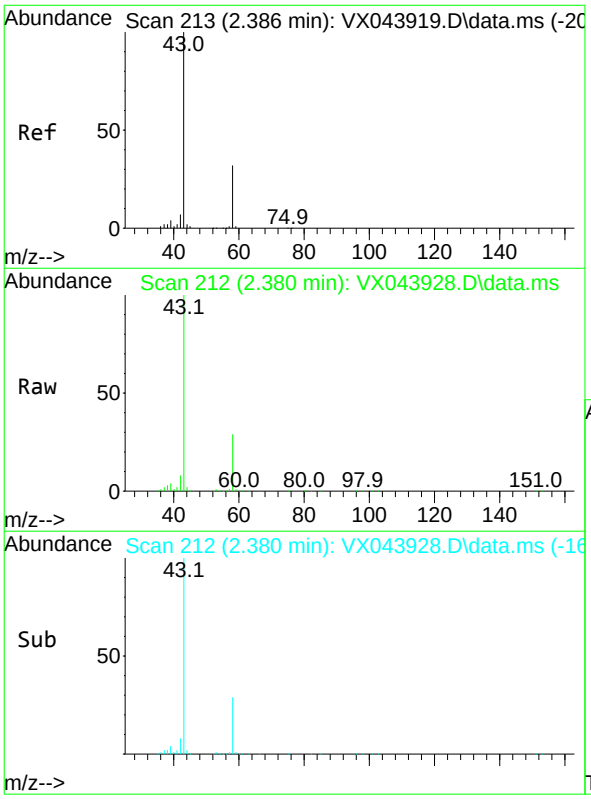
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.8	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

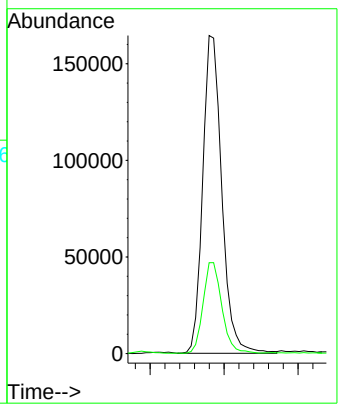
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

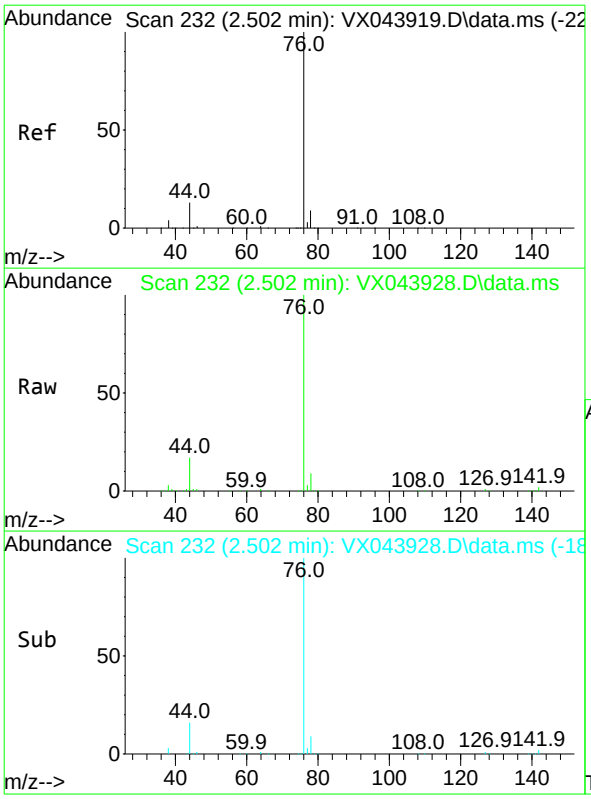


#16
Acetone
Concen: 344.605 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.8	38.6

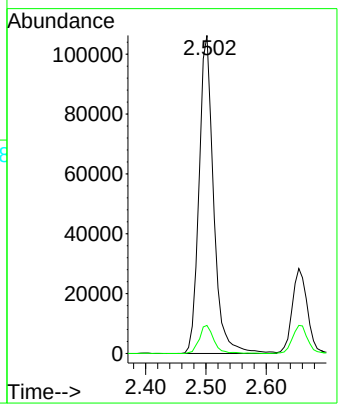




#17
Carbon Disulfide
Concen: 56.633 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 178294

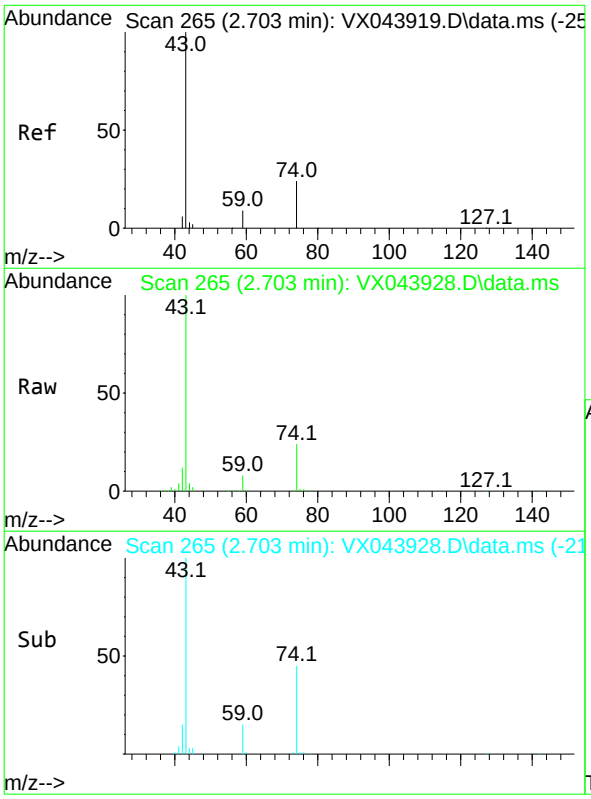
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

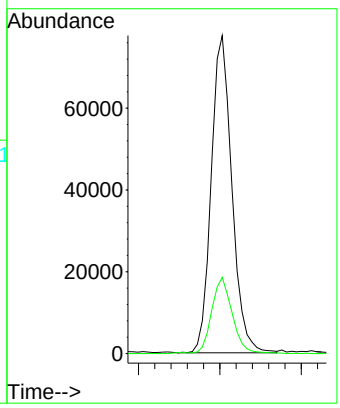
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

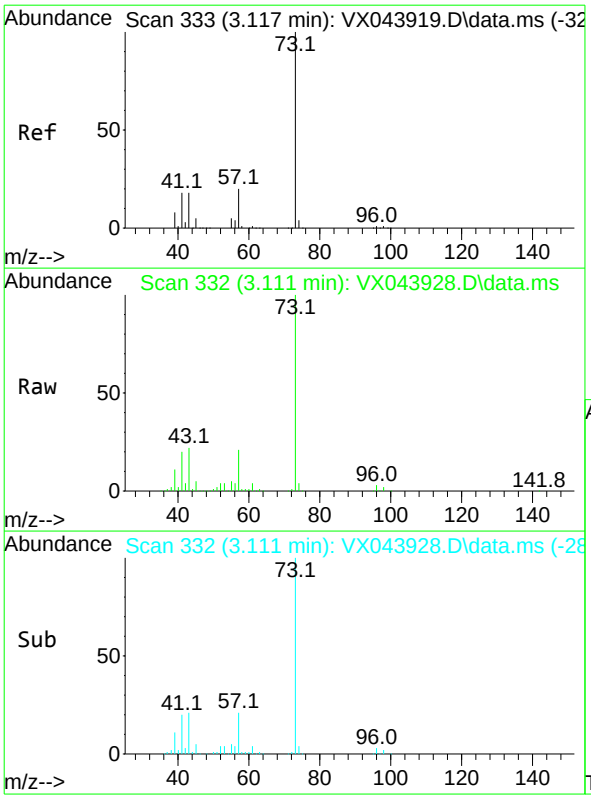


#18
Methyl Acetate
Concen: 58.404 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.1	30.1

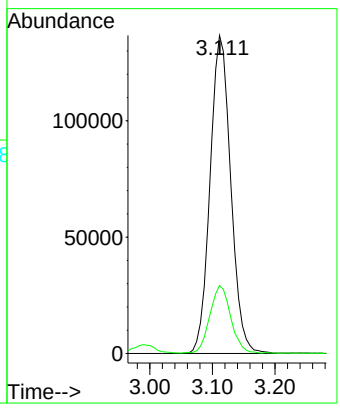




#19
Methyl tert-butyl Ether
Concen: 58.872 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 73 Resp: 313754

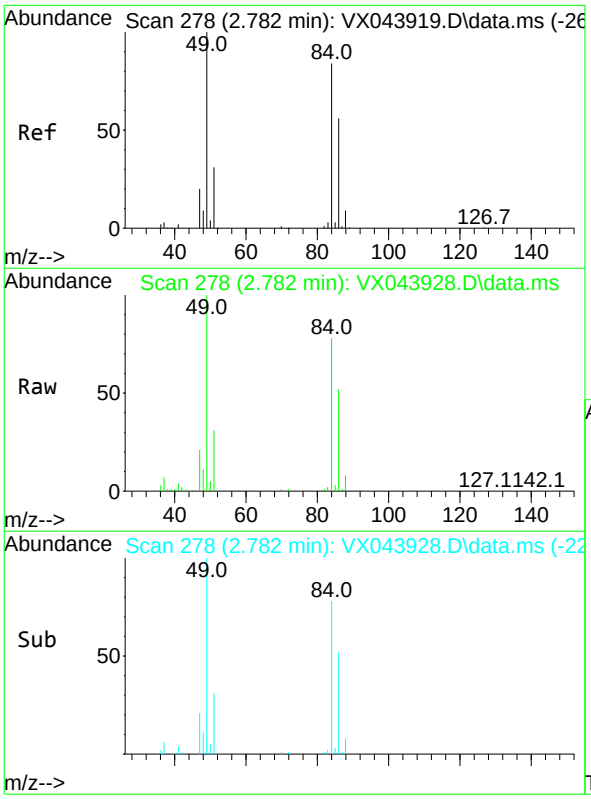
Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

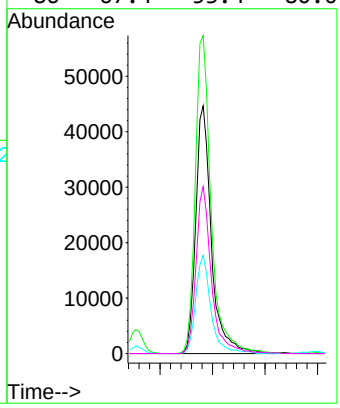
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

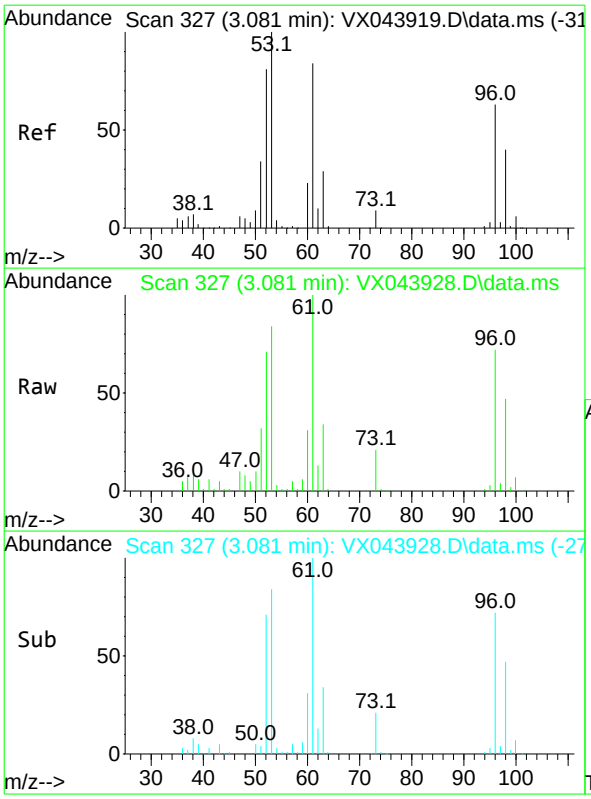


#20
Methylene Chloride
Concen: 51.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

Ion	Ratio	Lower	Upper
84	100		
49	128.4	95.1	142.7
51	39.6	29.2	43.8
86	67.4	53.4	80.0

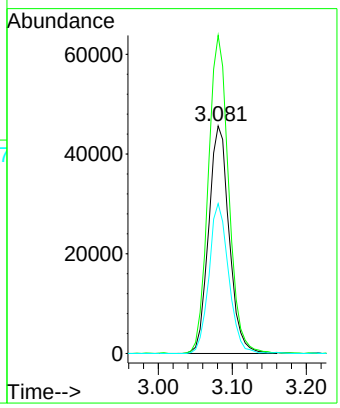




#21
trans-1,2-Dichloroethene
Concen: 55.825 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 87752

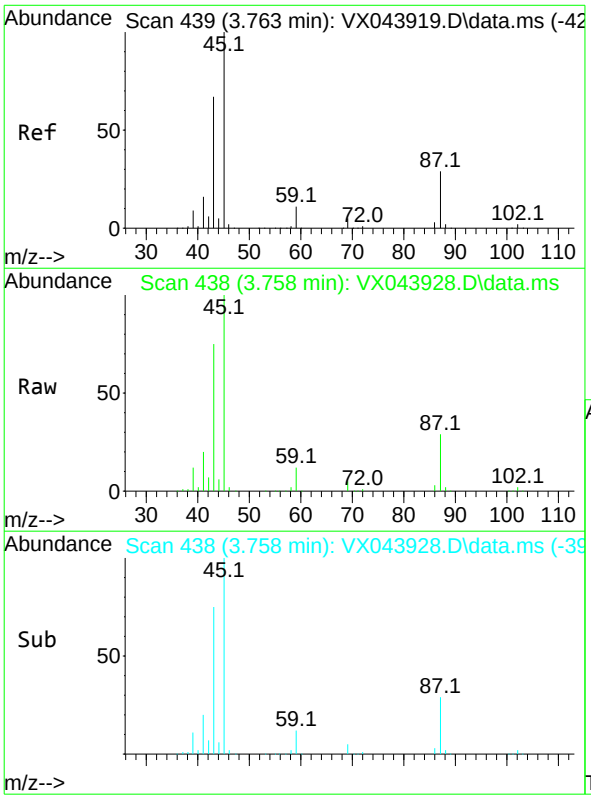
Ion	Ratio	Lower	Upper
96	100		
61	139.7	106.4	159.6
98	65.9	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

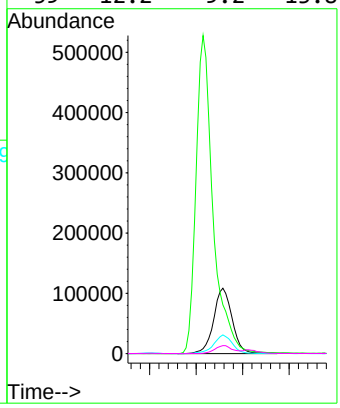
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

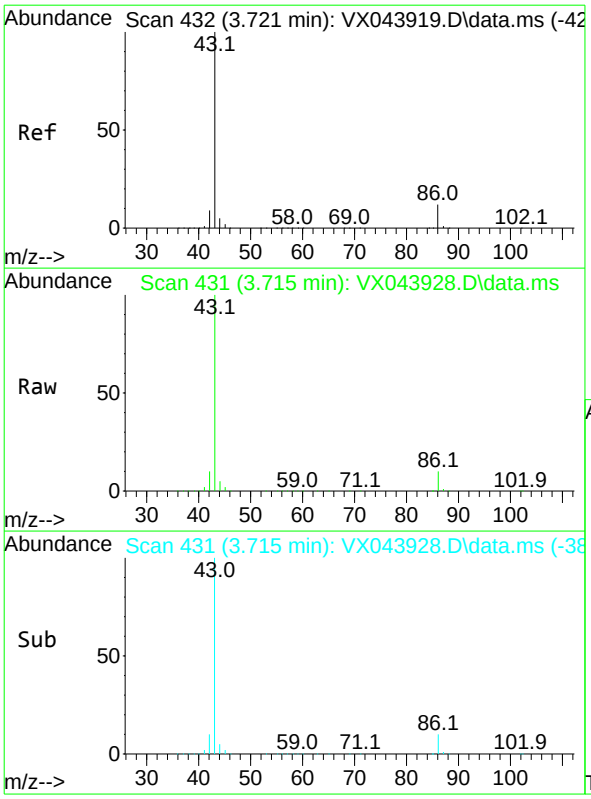


#22
Diisopropyl ether
Concen: 58.668 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

Ion	Ratio	Lower	Upper
45	100		
43	74.5	53.8	80.6
87	28.6	23.4	35.2
59	12.2	9.2	13.8

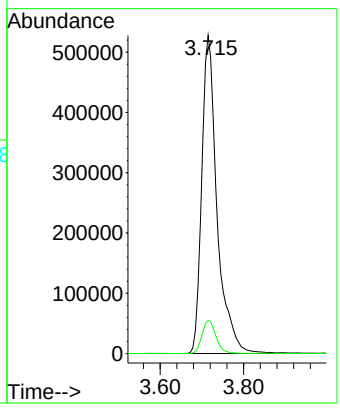




#23
Vinyl Acetate
Concen: 324.875 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 1344870

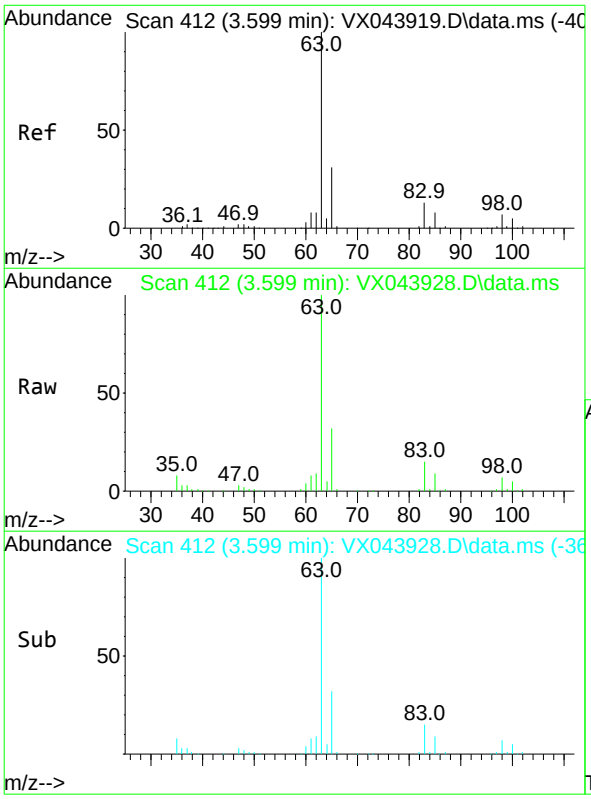
Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

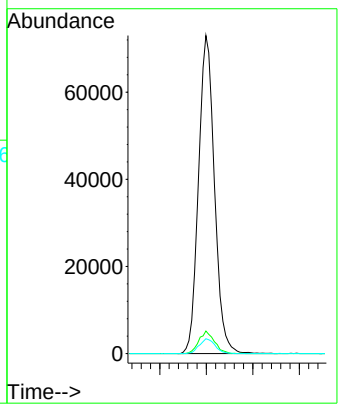
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

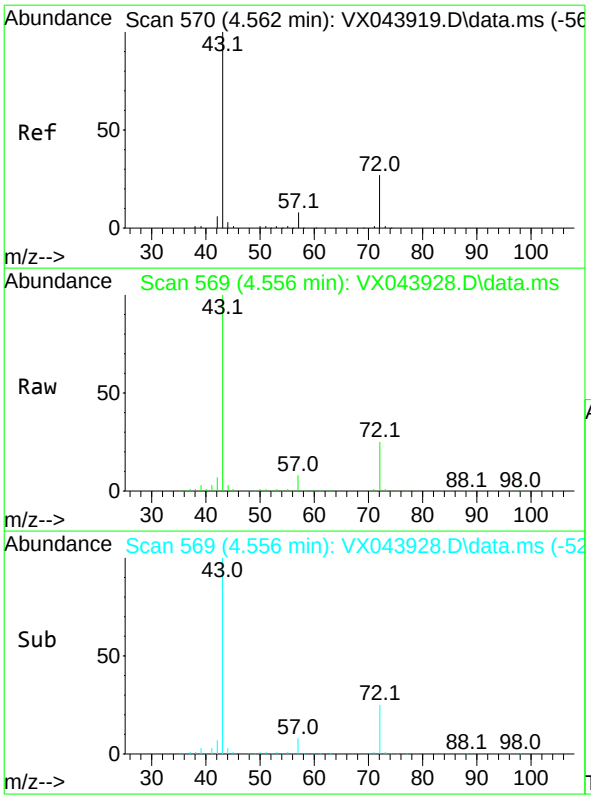


#24
1,1-Dichloroethane
Concen: 57.932 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.7	2.4	7.2

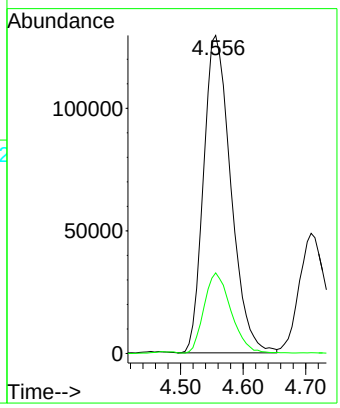




#25
2-Butanone
Concen: 328.247 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 392575

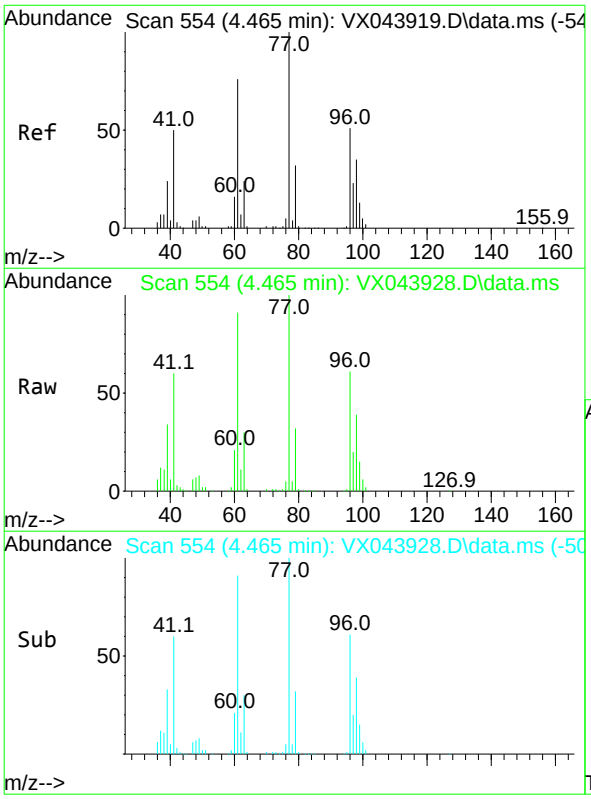
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

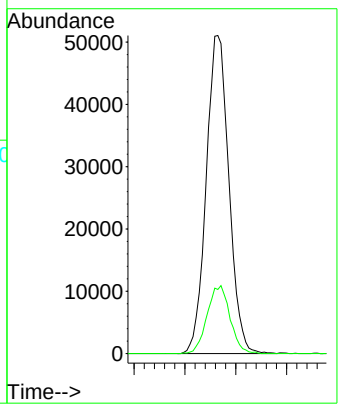
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

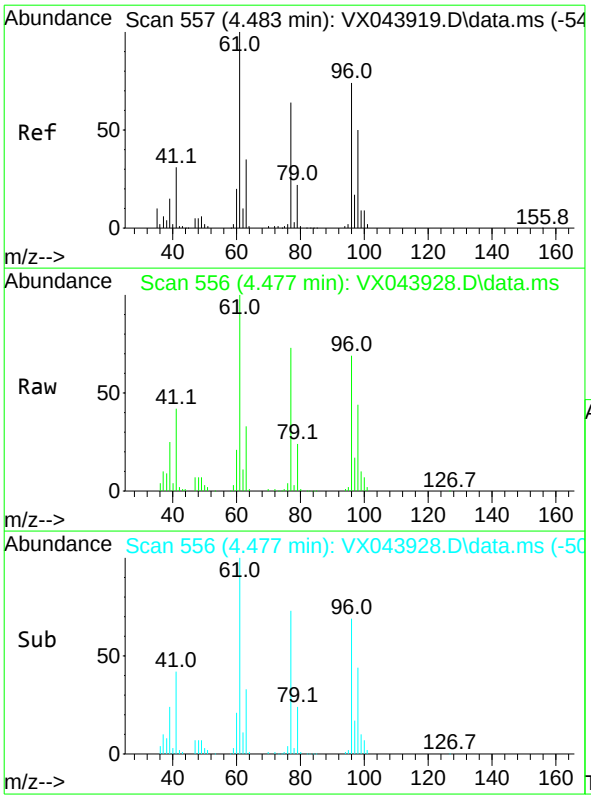


#26
2,2-Dichloropropane
Concen: 64.072 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.7	35.1

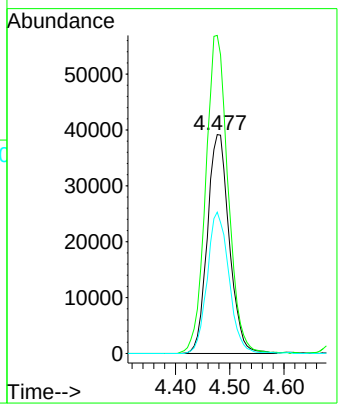




#27
cis-1,2-Dichloroethene
Concen: 56.100 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 109742

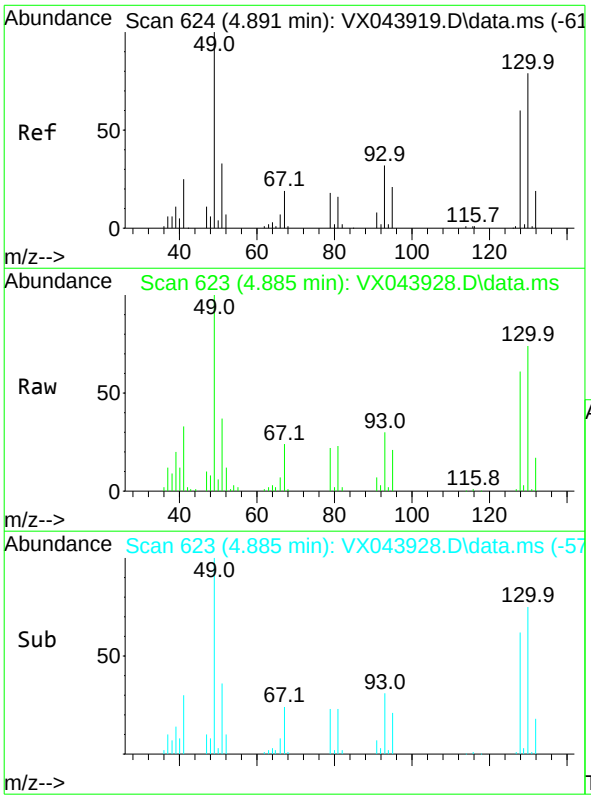
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	279.4
98	63.9	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

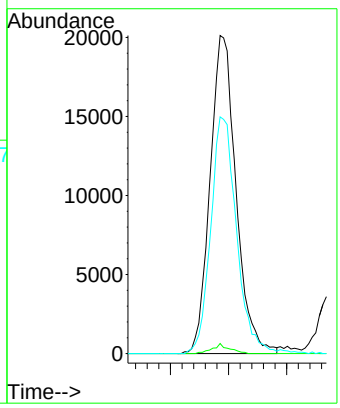
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

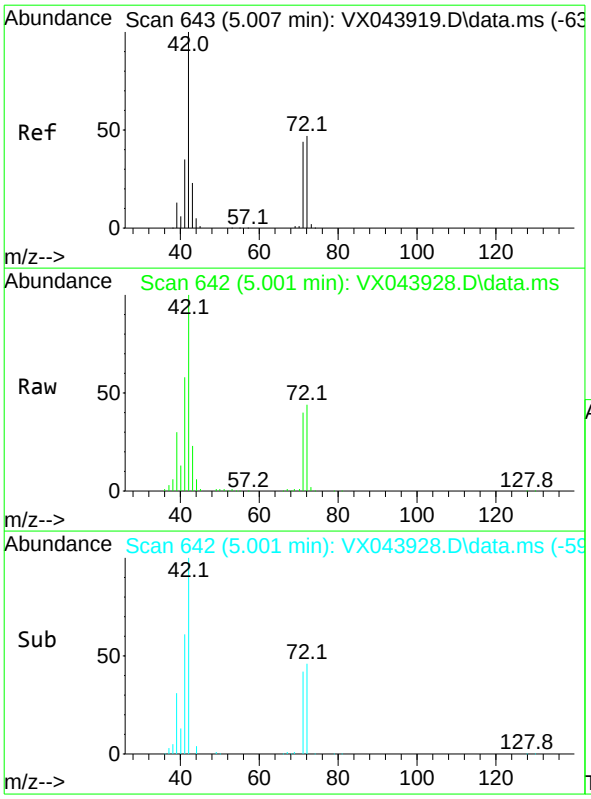


#28
Bromochloromethane
Concen: 49.360 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	73.8	68.2	102.2

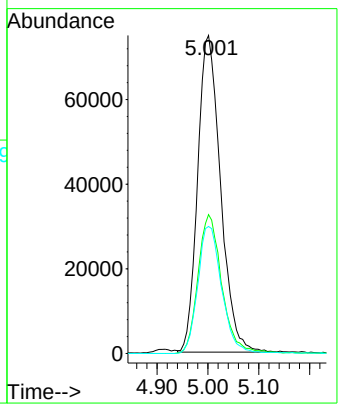




#29
Tetrahydrofuran
Concen: 303.060 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 42 Resp: 234208

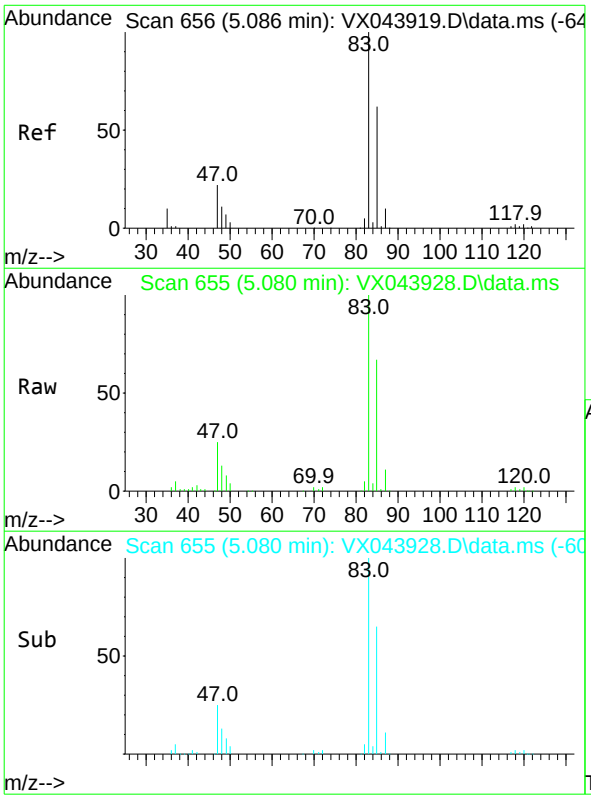
Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.9	56.9
71	41.7	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

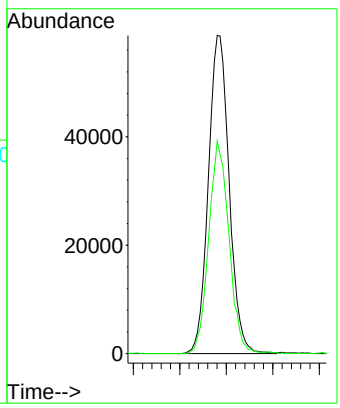
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

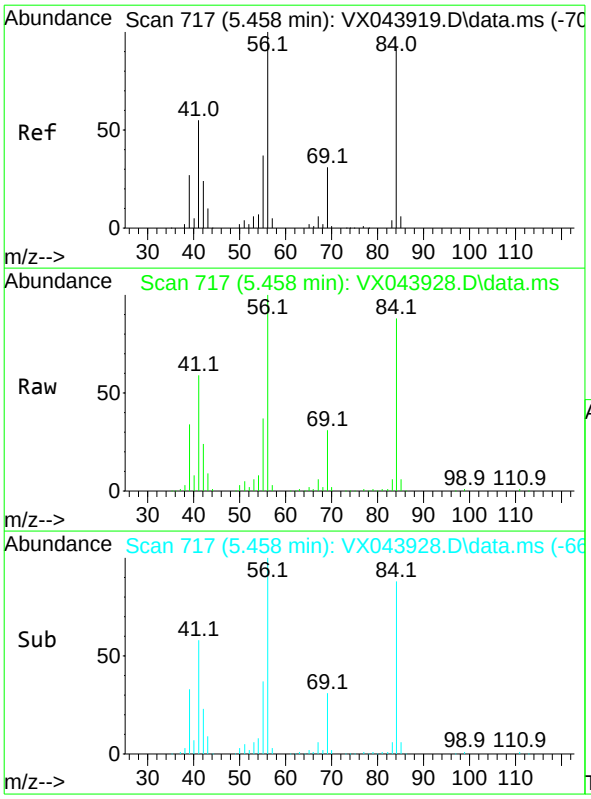


#30
Chloroform
Concen: 58.257 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 182404

Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.7	74.5

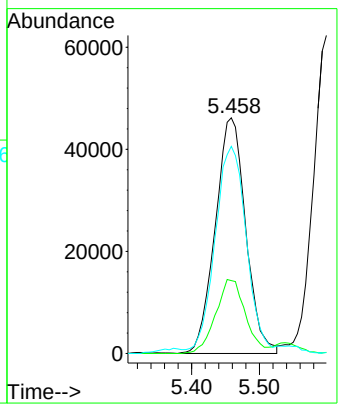




#31
Cyclohexane
Concen: 59.242 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 56 Resp: 144224

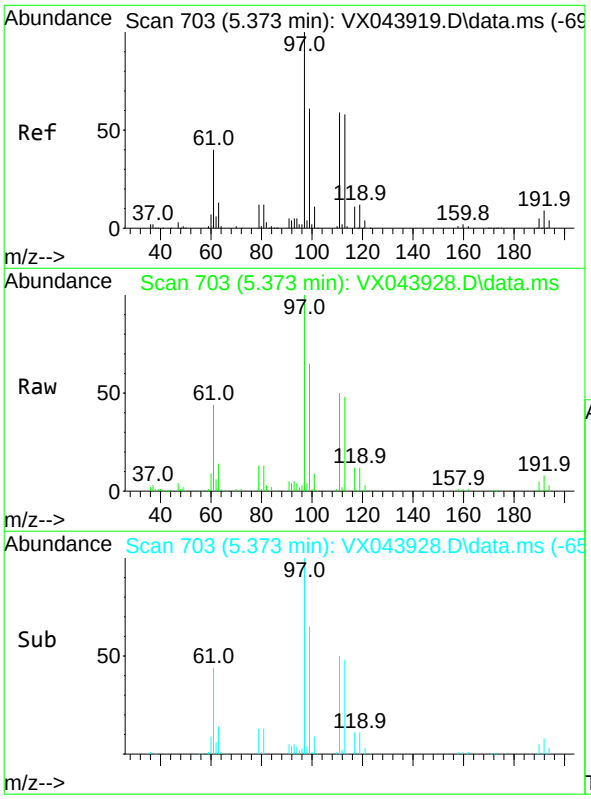
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	85.9	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

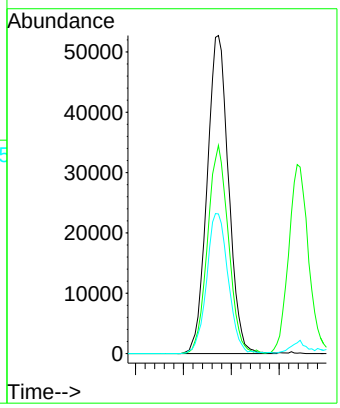
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

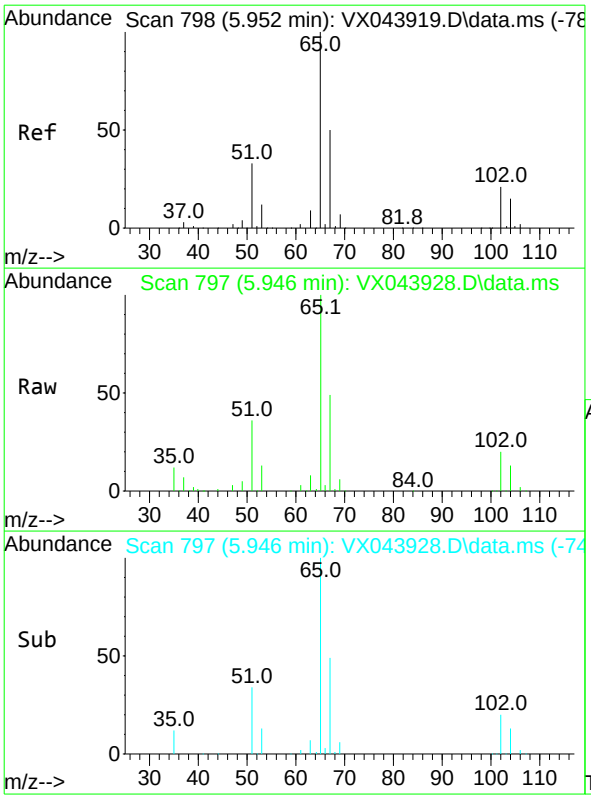


#32
1,1,1-Trichloroethane
Concen: 61.280 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	44.3	32.9	49.3

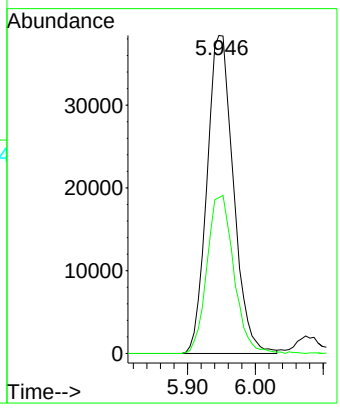




#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 65 Resp: 104086

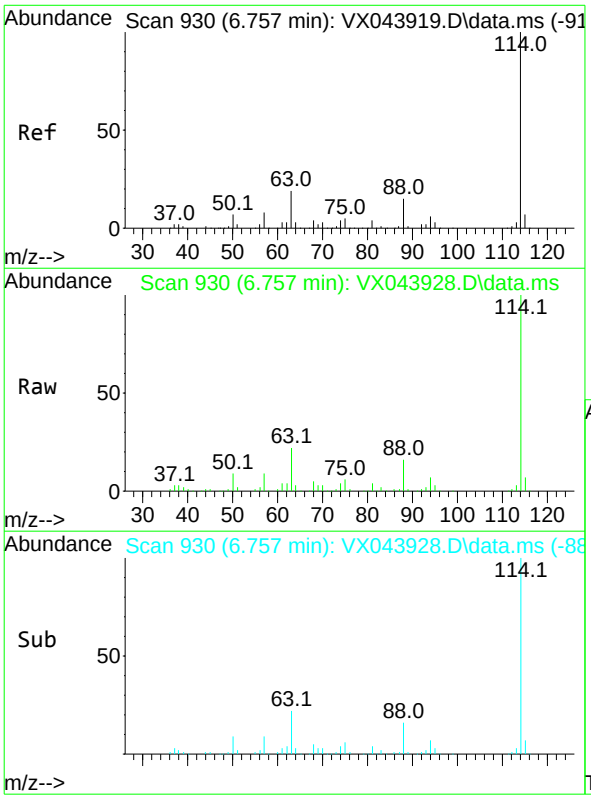
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

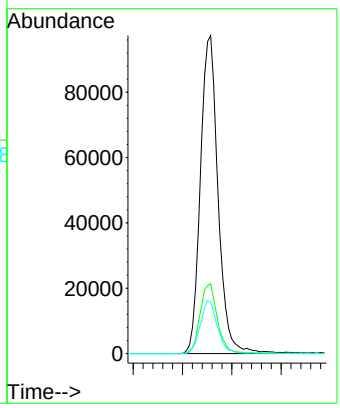
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

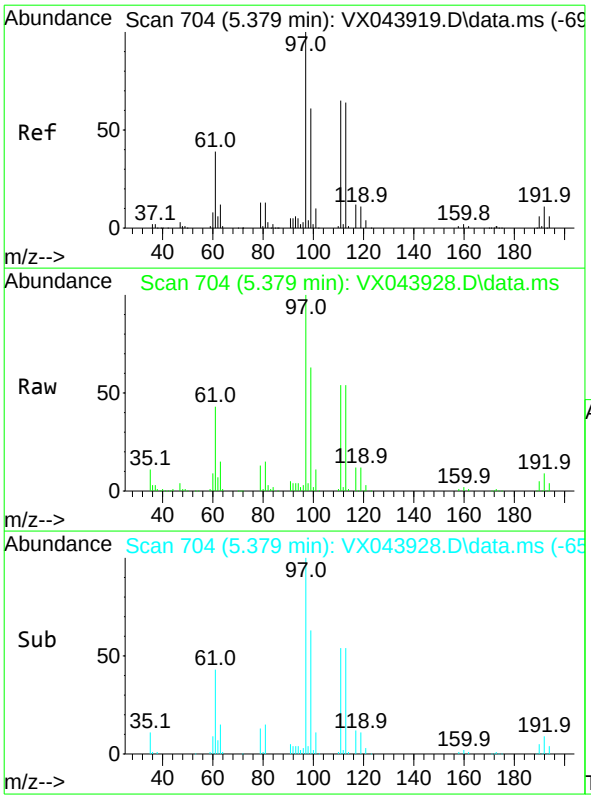


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:114 Resp: 241629

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	39.0
88	16.2	0.0	30.2

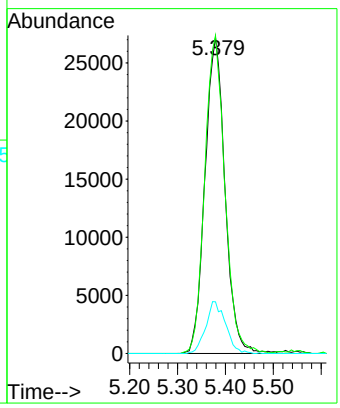




#35
Dibromofluoromethane
Concen: 48.663 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:113 Resp: 78954

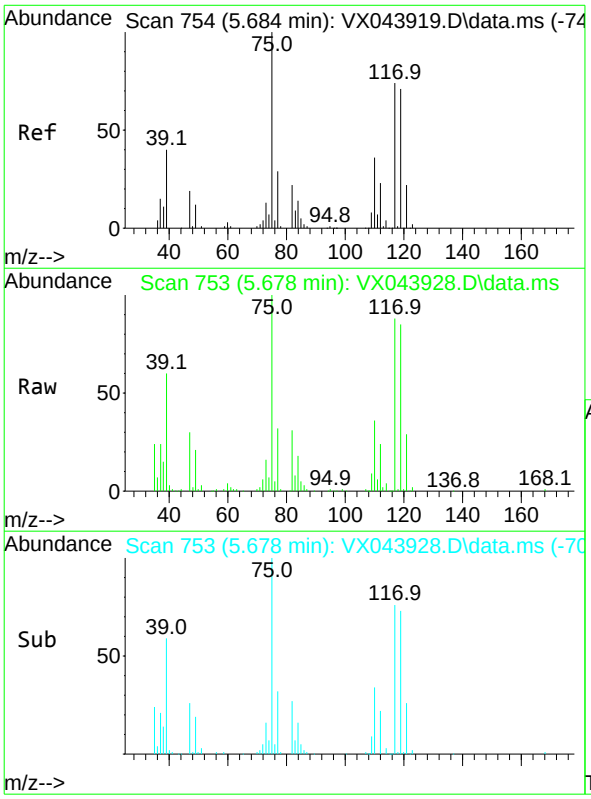
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	16.3	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

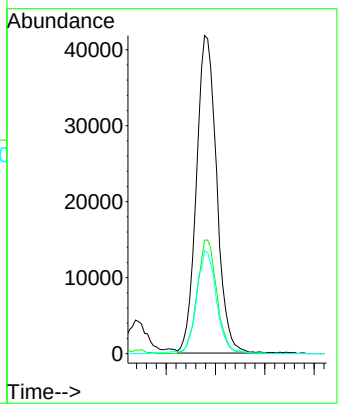
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

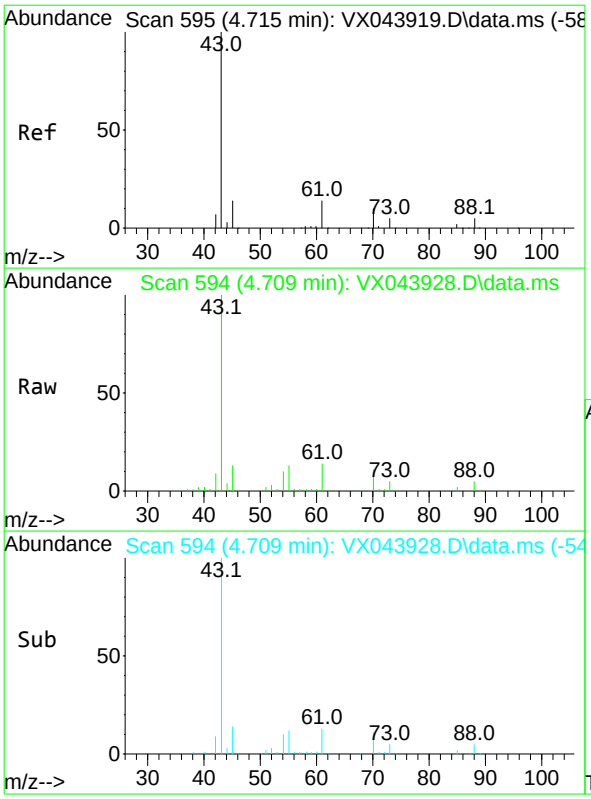


#36
1,1-Dichloropropene
Concen: 58.983 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 119269

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.5	52.5
77	32.3	24.9	37.3

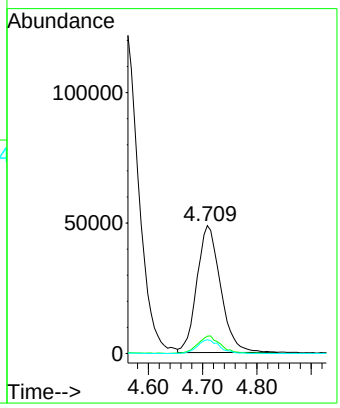




#37
Ethyl Acetate
Concen: 64.767 ug/l
RT: 4.709 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 147393

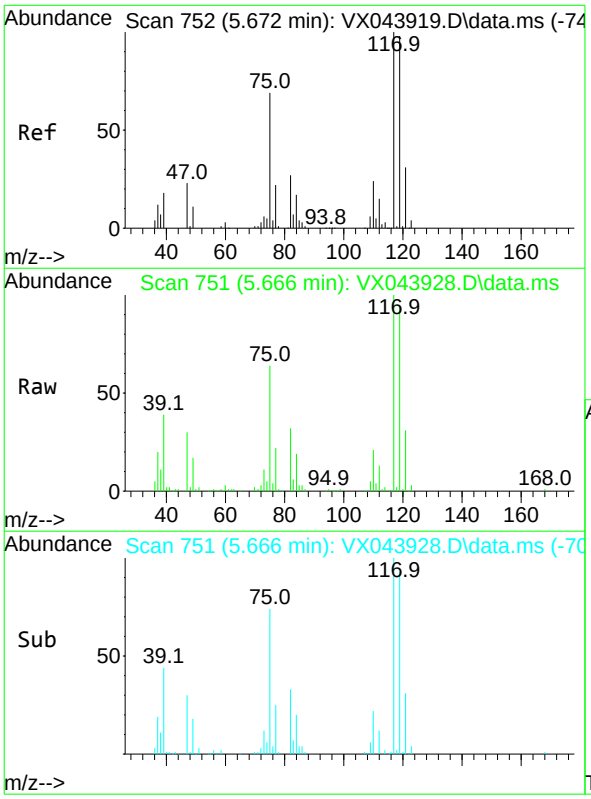
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	10.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

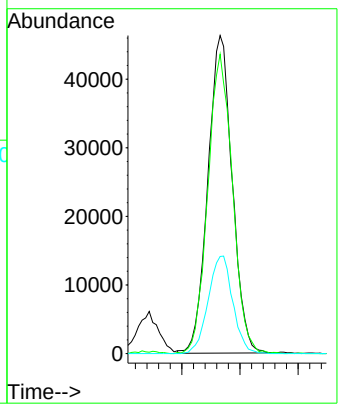
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

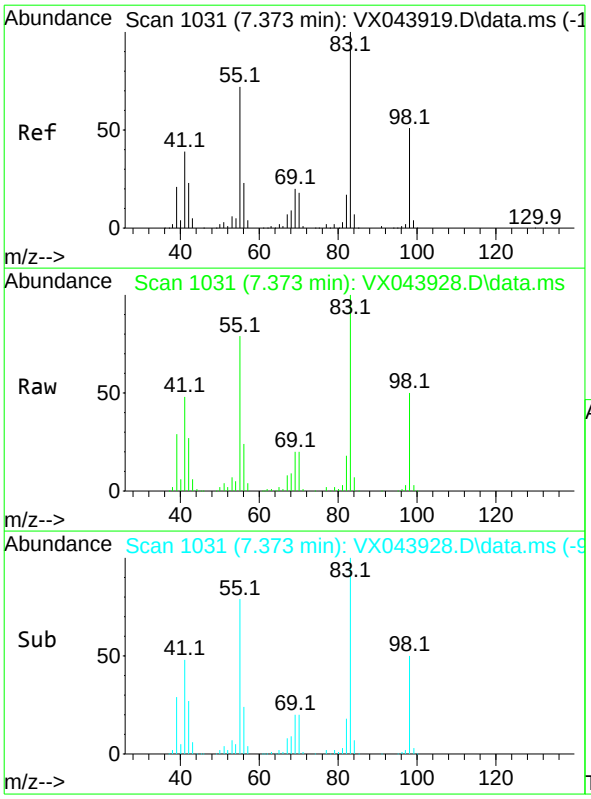


#38
Carbon Tetrachloride
Concen: 62.932 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 134725

Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.3	117.5
121	30.6	25.1	37.7

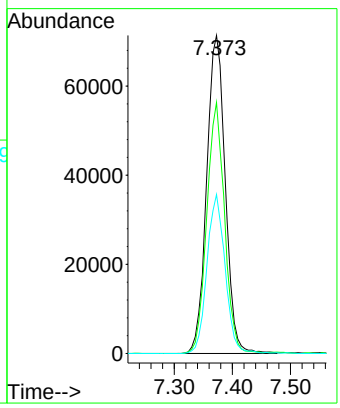




#39
Methylcyclohexane
Concen: 62.647 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 158586

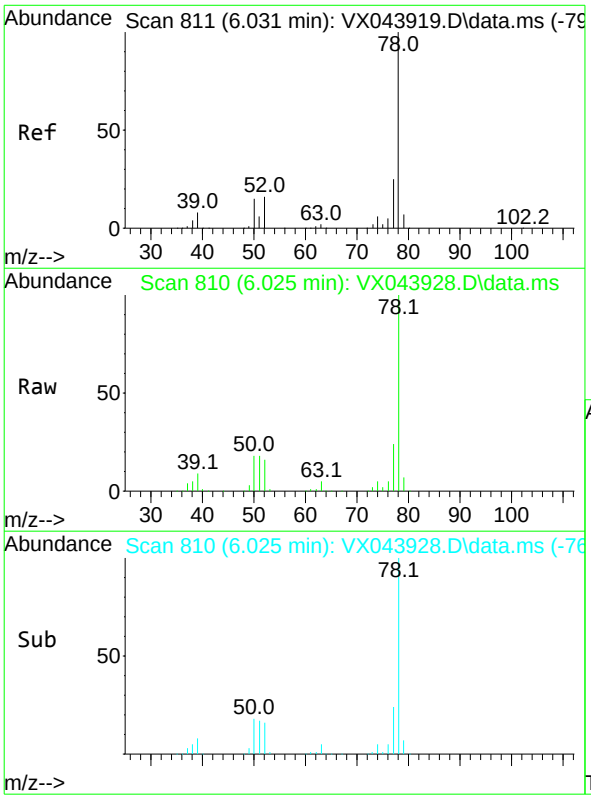
Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.9	86.9
98	50.0	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

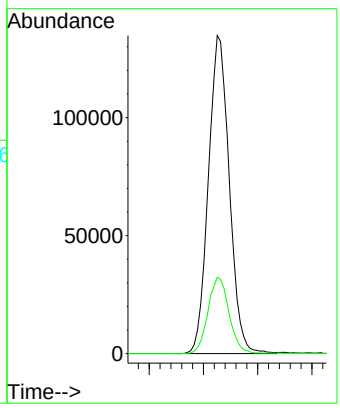
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

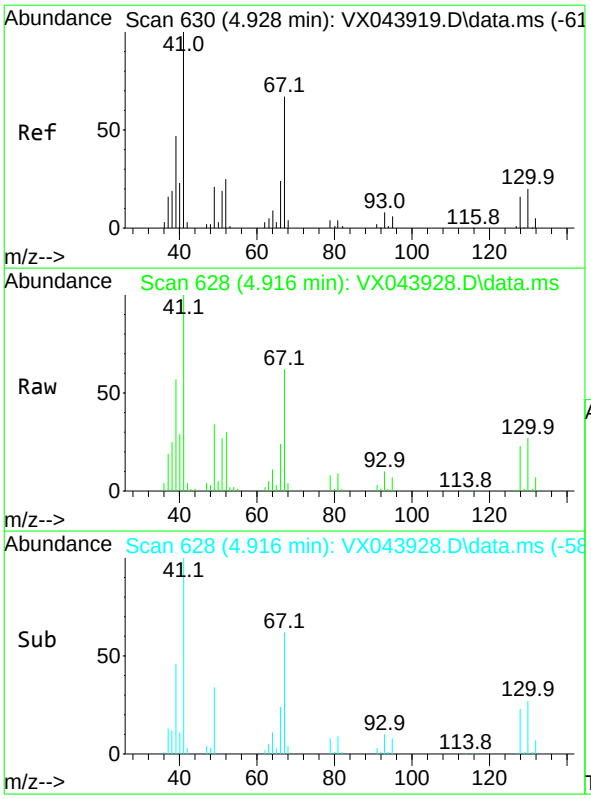


#40
Benzene
Concen: 56.780 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8

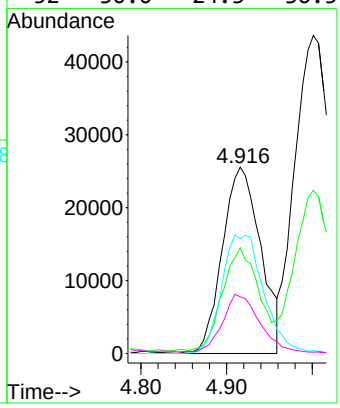




#41
Methacrylonitrile
Concen: 67.041 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 79507

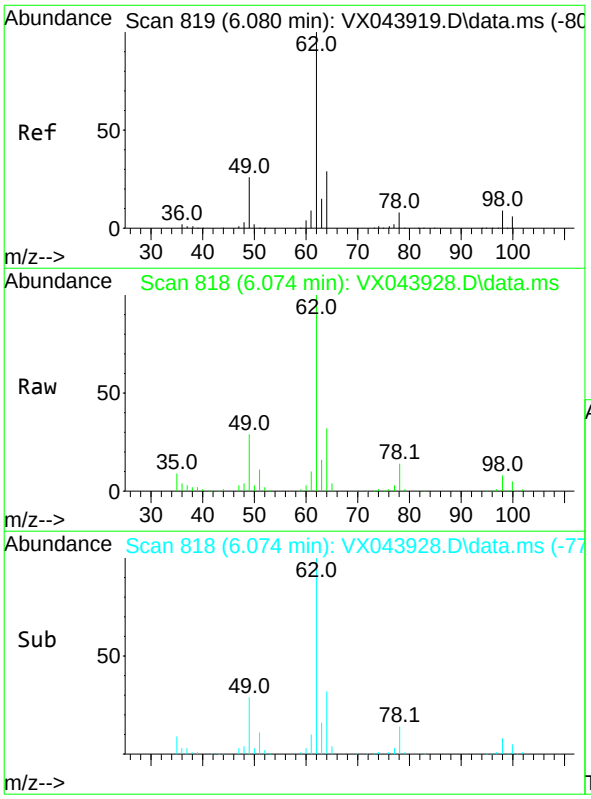
Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.2	61.8
67	69.8	60.3	90.5
52	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

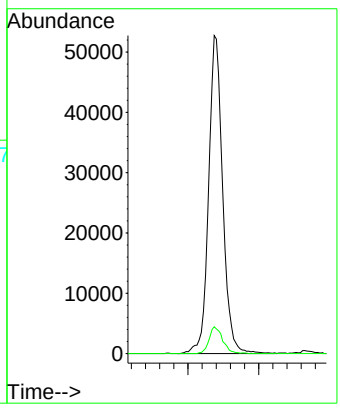
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

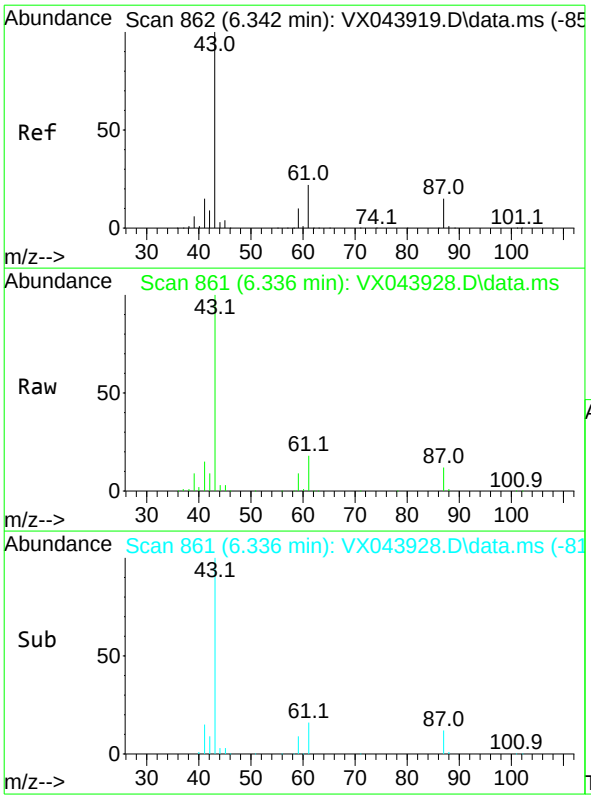


#42
1,2-Dichloroethane
Concen: 63.109 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.6

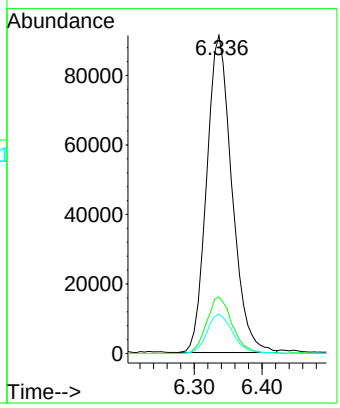




#43
Isopropyl Acetate
Concen: 65.697 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 235856

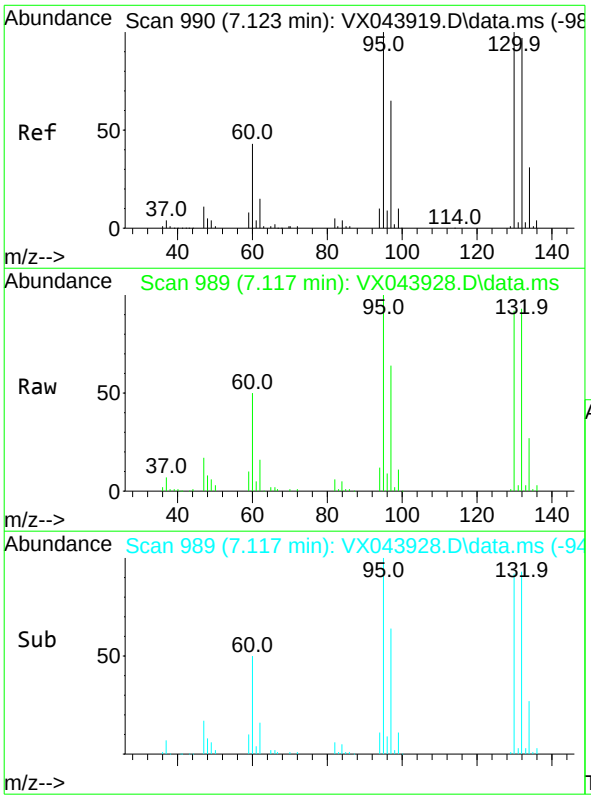
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

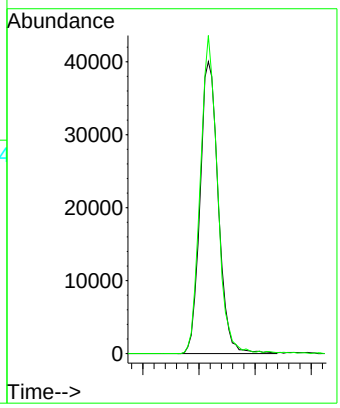
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

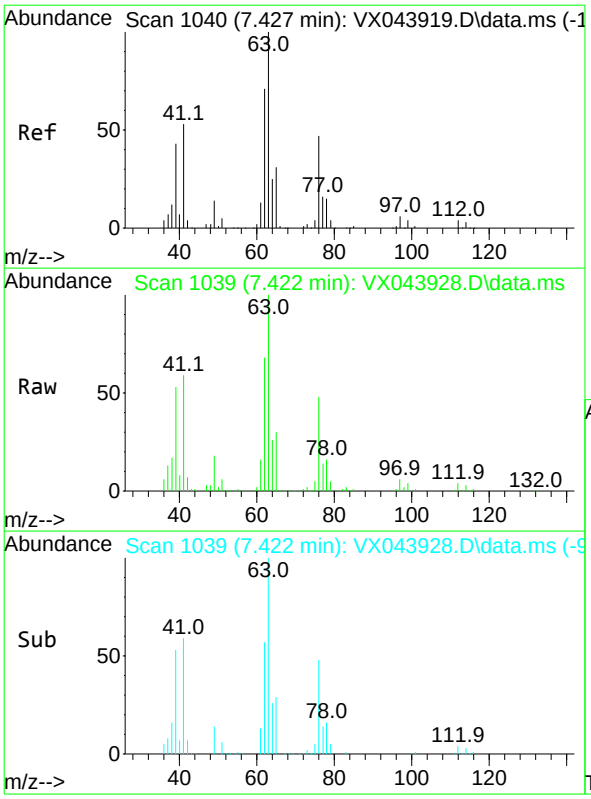


#44
Trichloroethene
Concen: 51.360 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	200.8

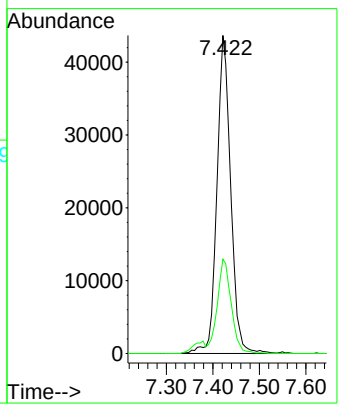




#45
1,2-Dichloropropane
Concen: 57.459 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 89529

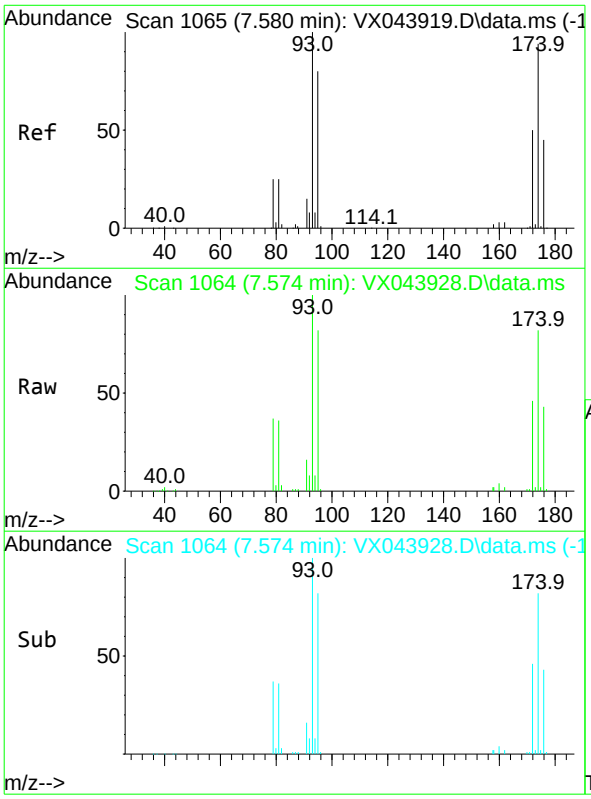
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

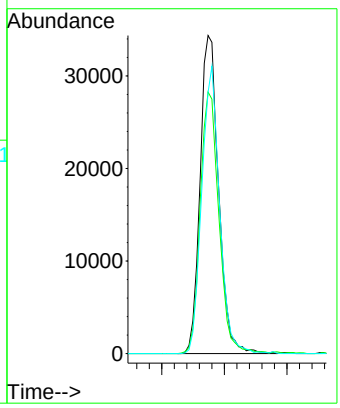
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

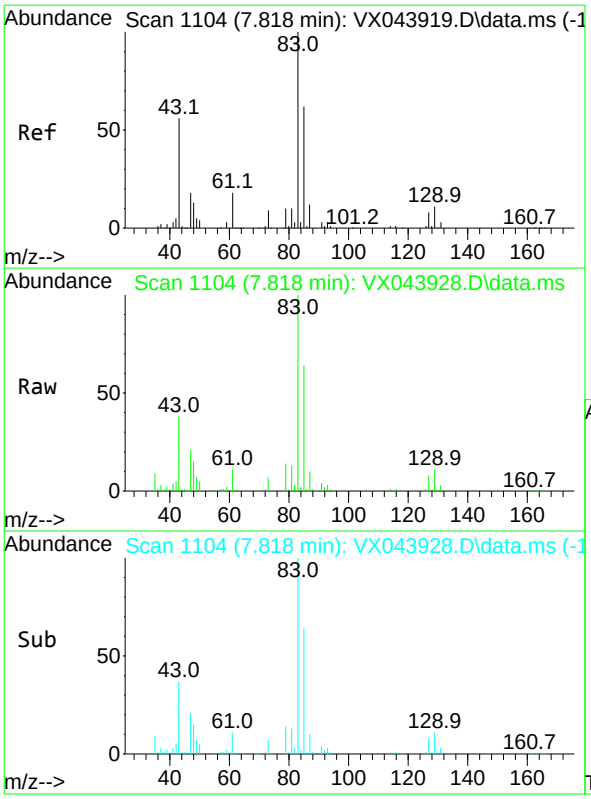


#46
Dibromomethane
Concen: 60.196 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.1	99.1
174	87.0	75.2	112.8

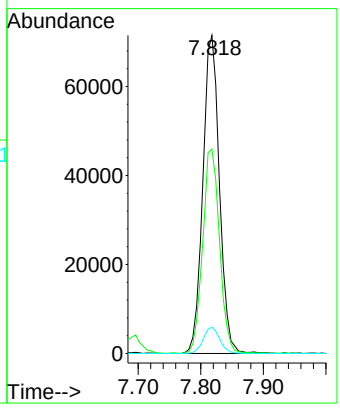




#47
Bromodichloromethane
Concen: 63.678 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 131365

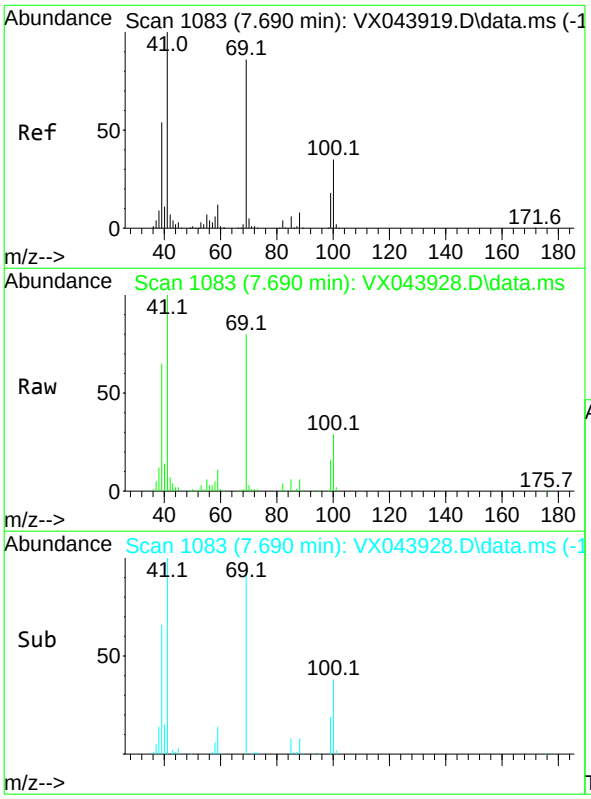
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.3	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

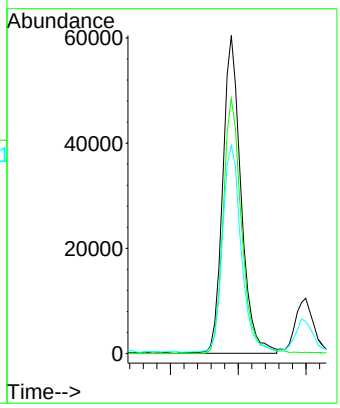
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

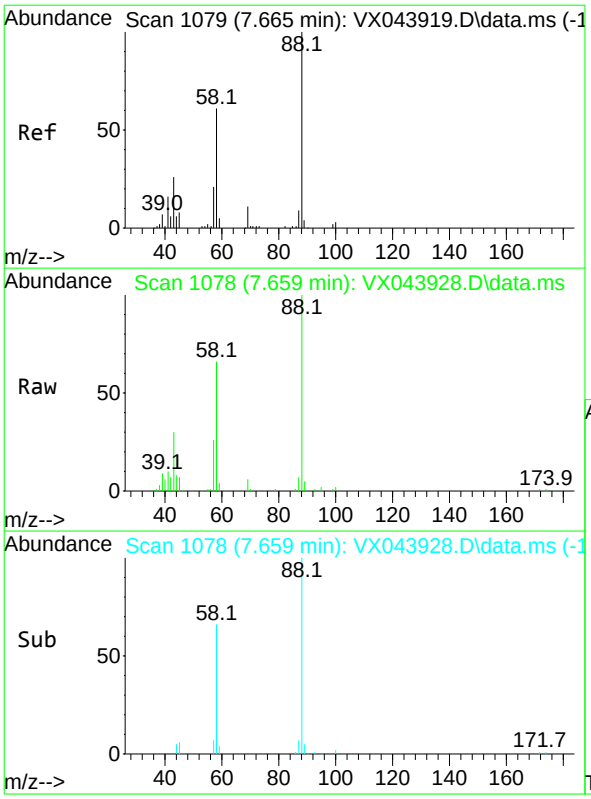


#48
Methyl methacrylate
Concen: 63.393 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803

Ion	Ratio	Lower	Upper
41	100		
69	80.8	72.1	108.1
39	66.6	43.8	65.8#

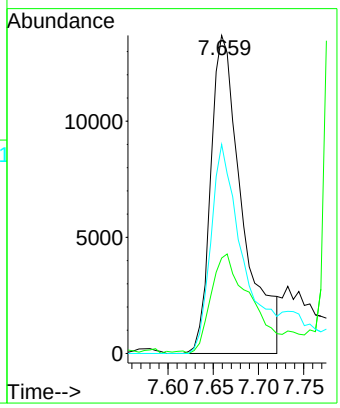




#49
1,4-Dioxane
Concen: 881.301 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 88 Resp: 33402

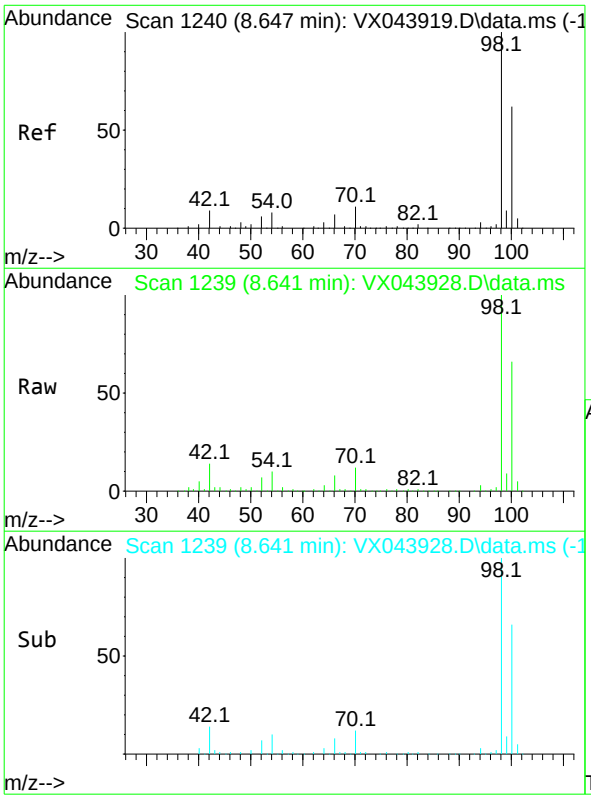
Ion	Ratio	Lower	Upper
88	100		
43	39.5	17.4	26.0#
58	66.8	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

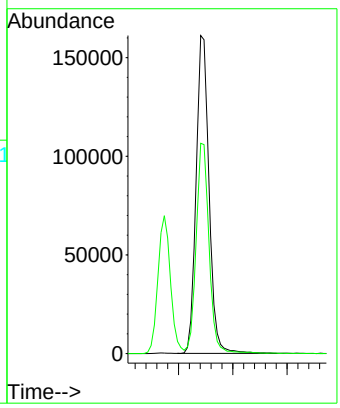
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

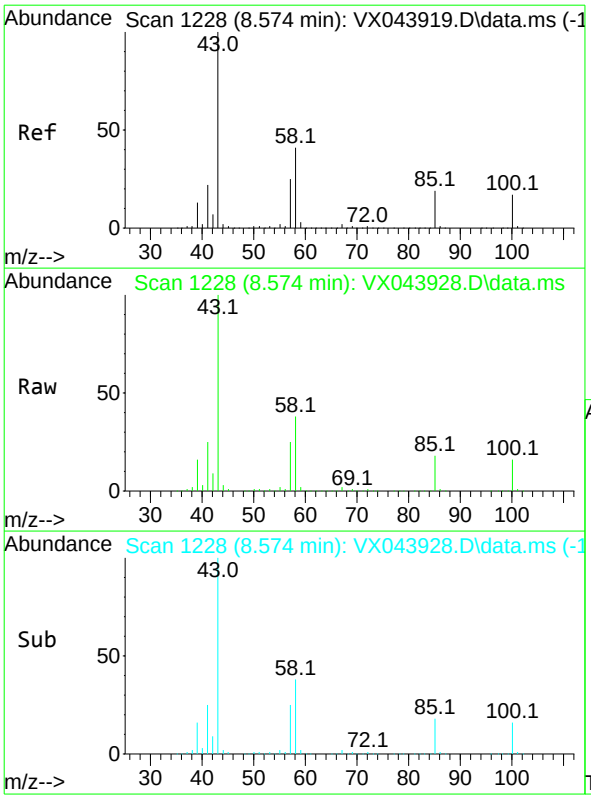


#50
Toluene-d8
Concen: 49.194 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6

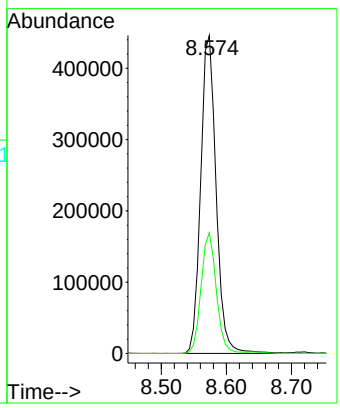




#51
4-Methyl-2-Pentanone
Concen: 327.265 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 732582

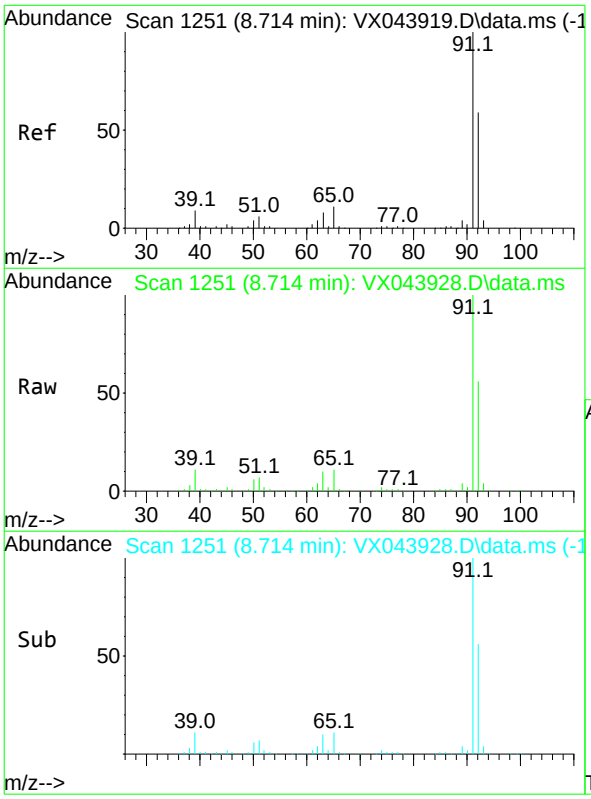
Ion	Ratio	Lower	Upper
43	100		
58	37.5	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

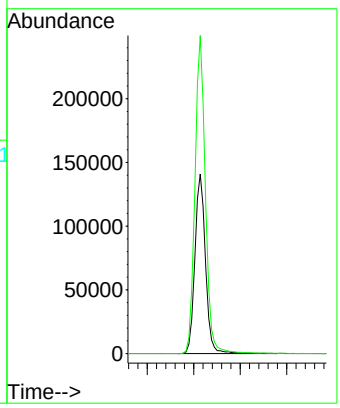
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

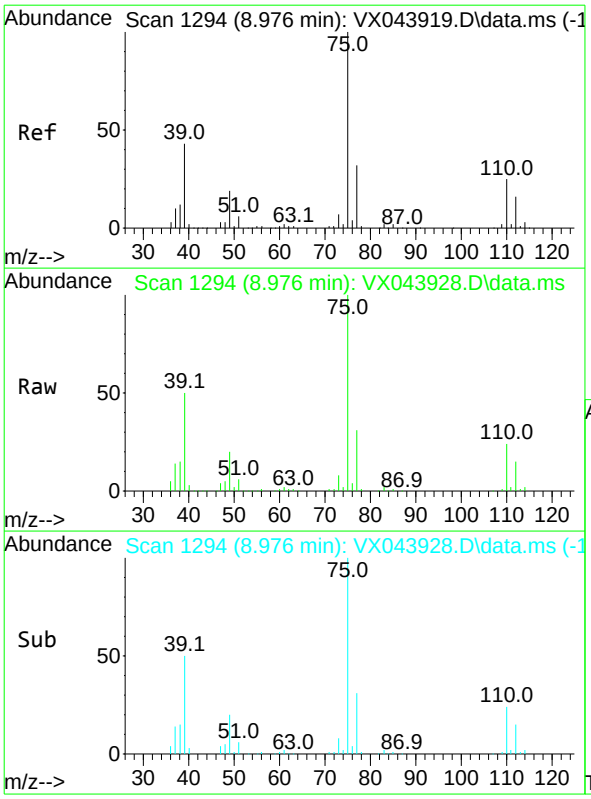


#52
Toluene
Concen: 60.664 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500

Ion	Ratio	Lower	Upper
92	100		
91	174.6	136.2	204.4

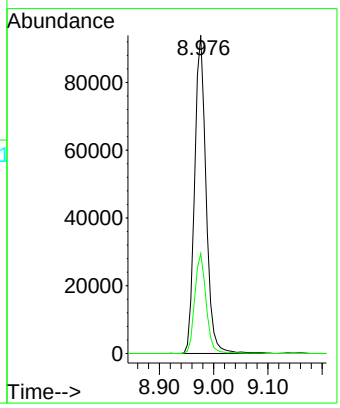




#53
t-1,3-Dichloropropene
Concen: 65.667 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 137451

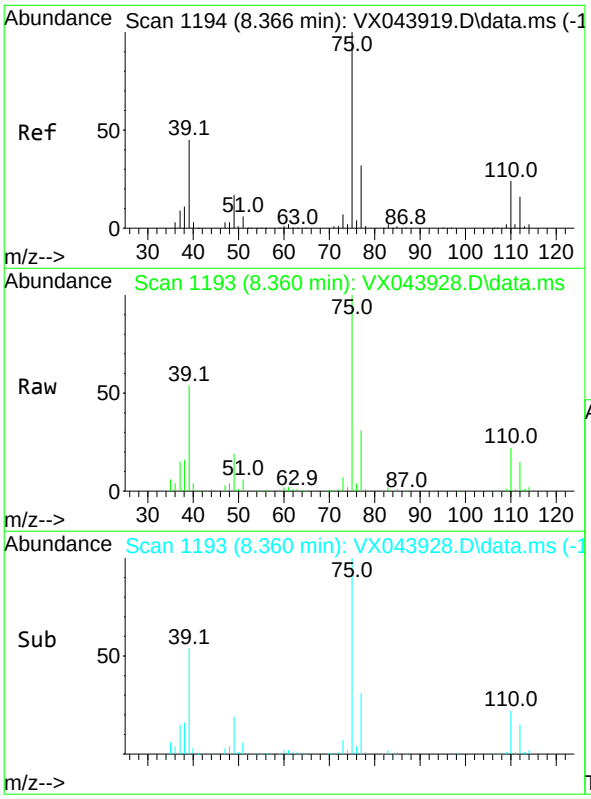
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

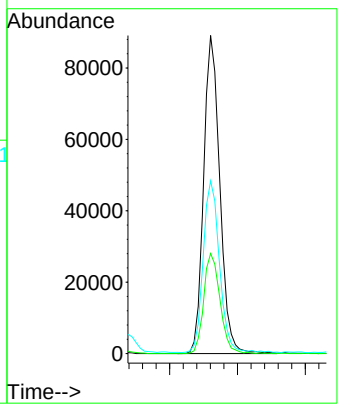
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

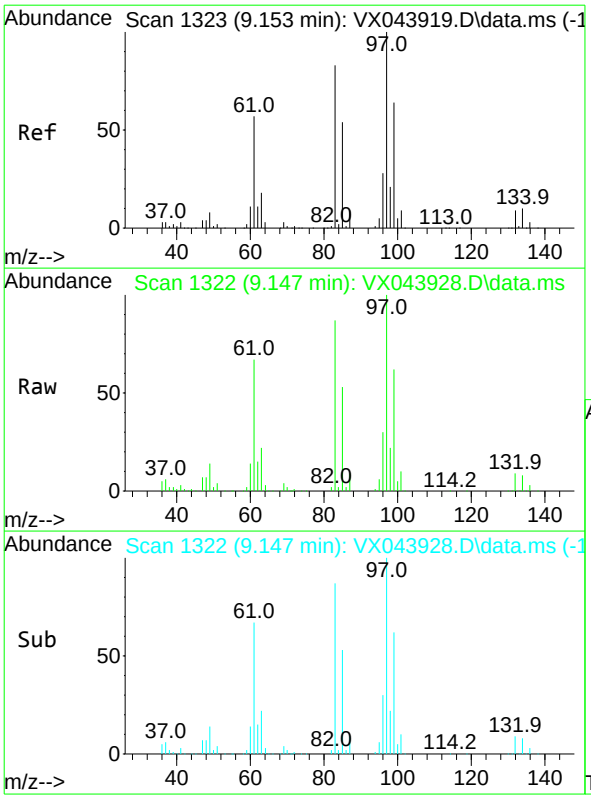


#54
cis-1,3-Dichloropropene
Concen: 62.243 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 147638

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	53.9	36.1	54.1

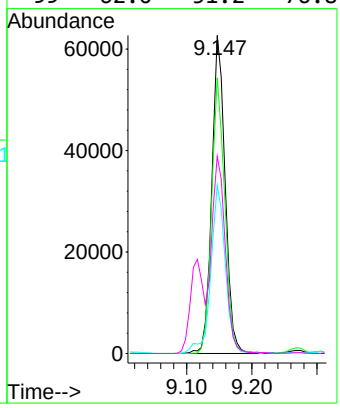




#55
1,1,2-Trichloroethane
Concen: 62.501 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 89441

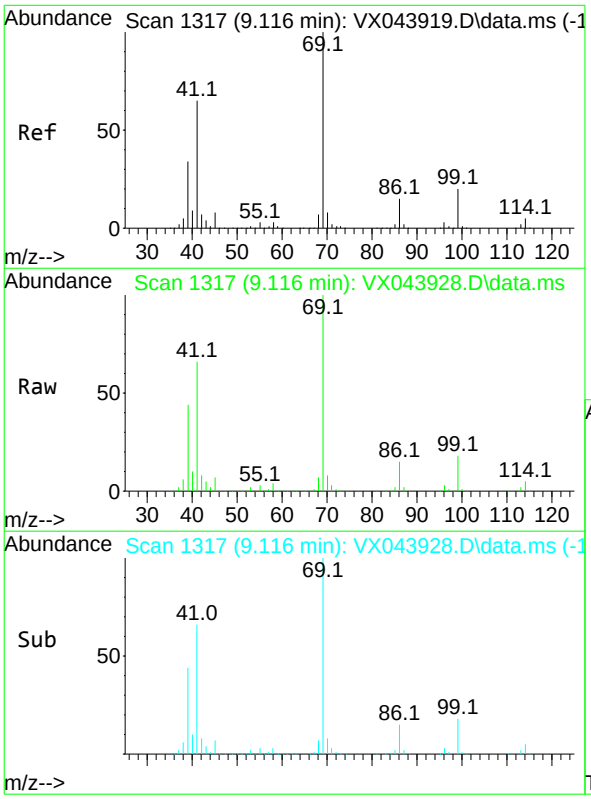
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.5	99.7
85	52.9	43.4	65.2
99	62.0	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

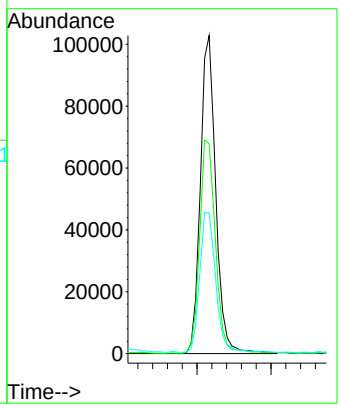
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

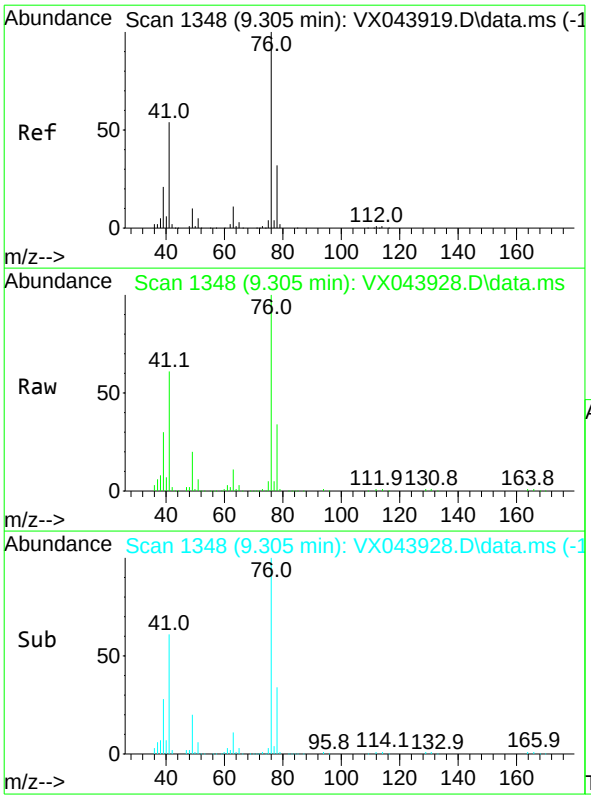


#56
Ethyl methacrylate
Concen: 65.443 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69 Resp: 148281

Ion	Ratio	Lower	Upper
69	100		
41	69.8	51.7	77.5
39	45.9	26.8	40.2#

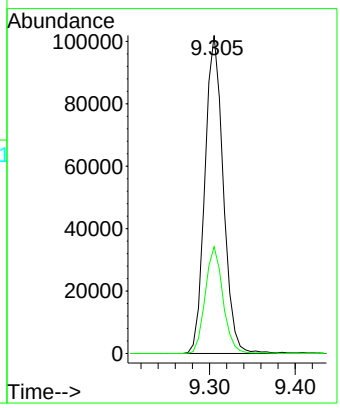




#57
1,3-Dichloropropane
Concen: 63.034 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 151124

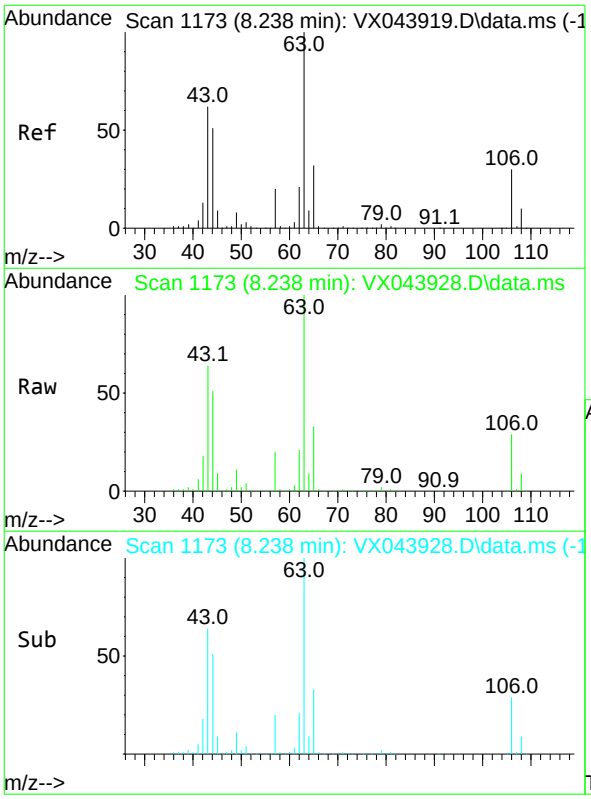
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

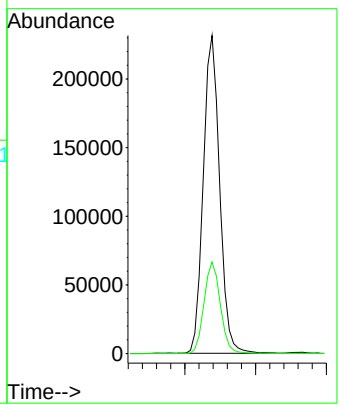
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

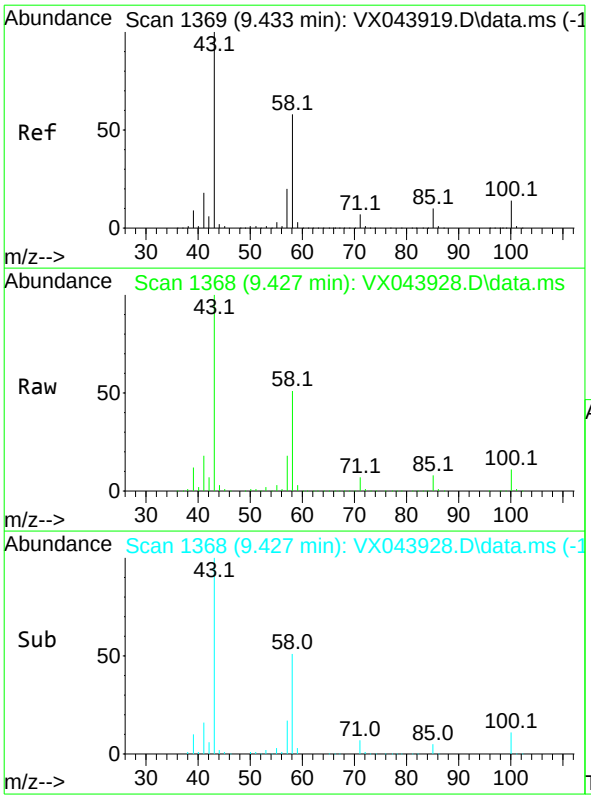


#58
2-Chloroethyl Vinyl ether
Concen: 312.467 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.8	35.6

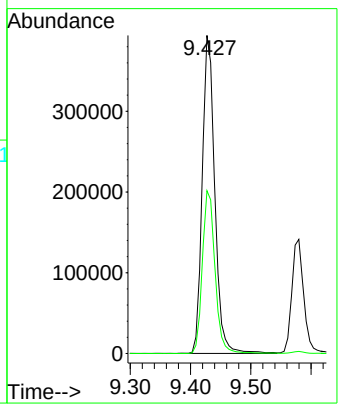




#59
2-Hexanone
Concen: 359.925 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 568460

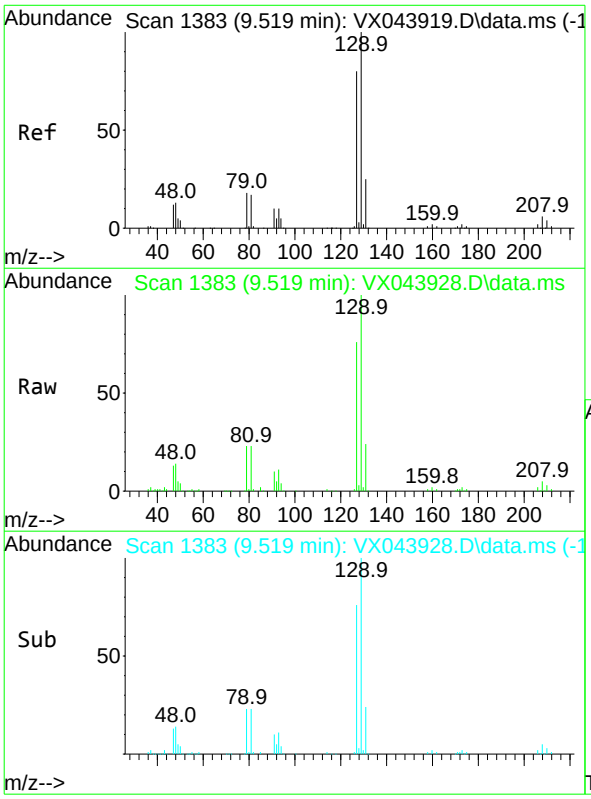
Ion	Ratio	Lower	Upper
43	100		
58	51.7	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

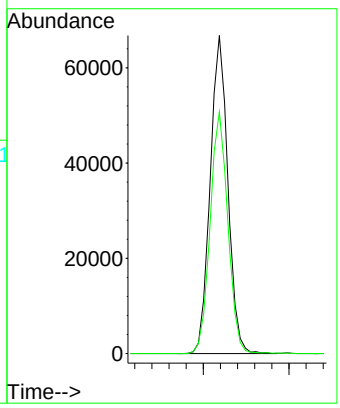
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

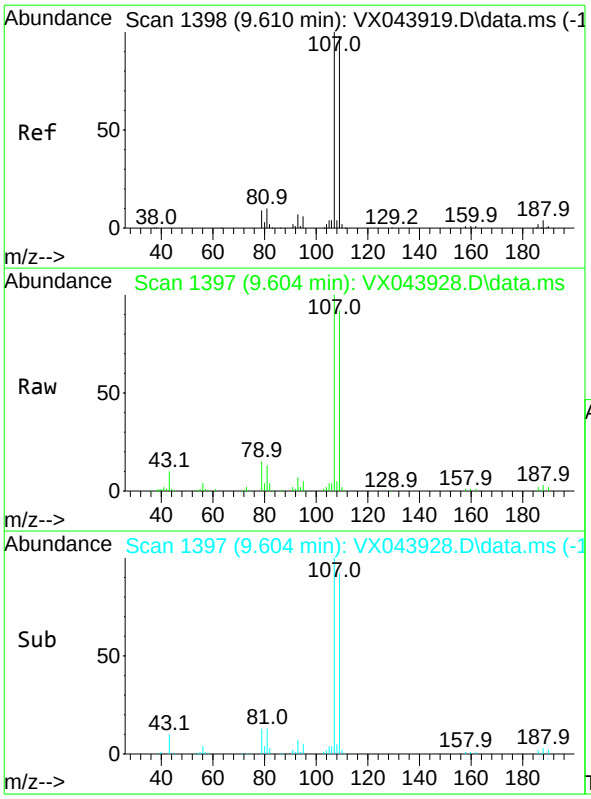


#60
Dibromochloromethane
Concen: 68.588 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8

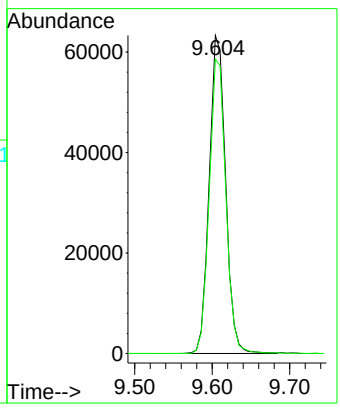




#61
1,2-Dibromoethane
Concen: 62.263 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:107 Resp: 92940

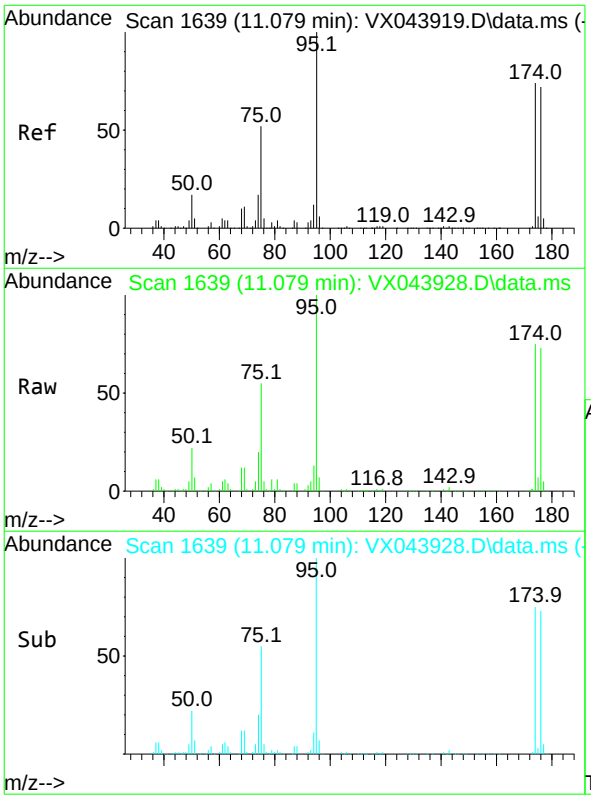
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

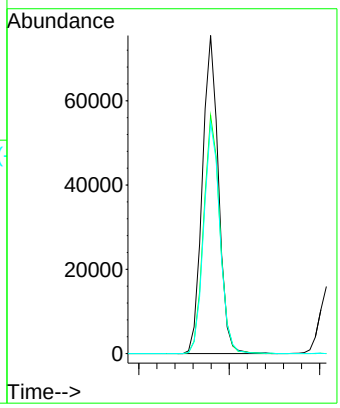
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

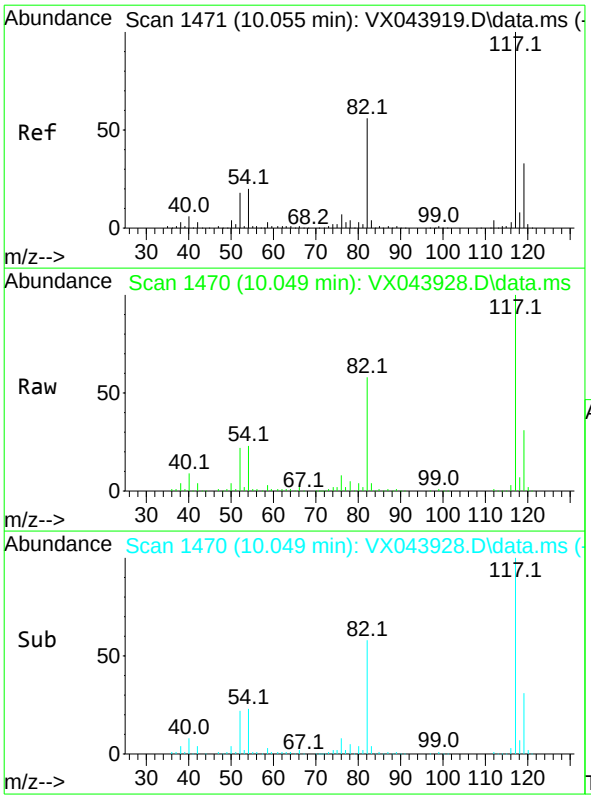


#62
4-Bromofluorobenzene
Concen: 52.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 95 Resp: 93510

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	152.2
176	73.0	0.0	145.8

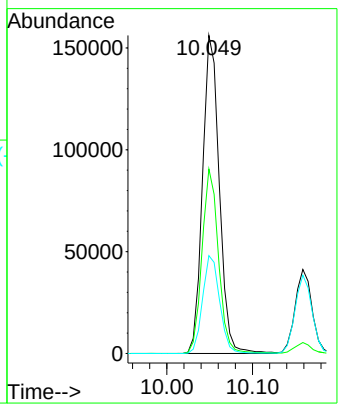




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 212243

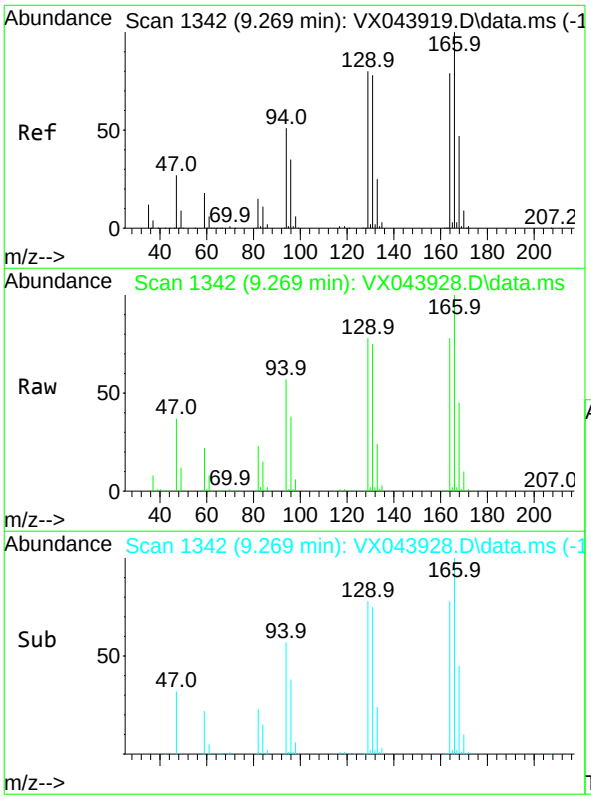
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

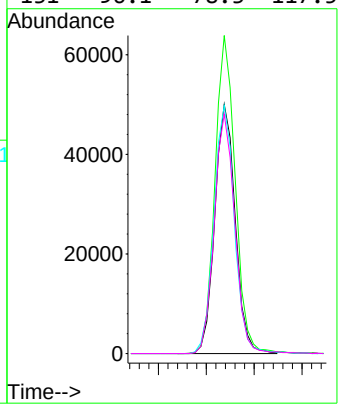
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

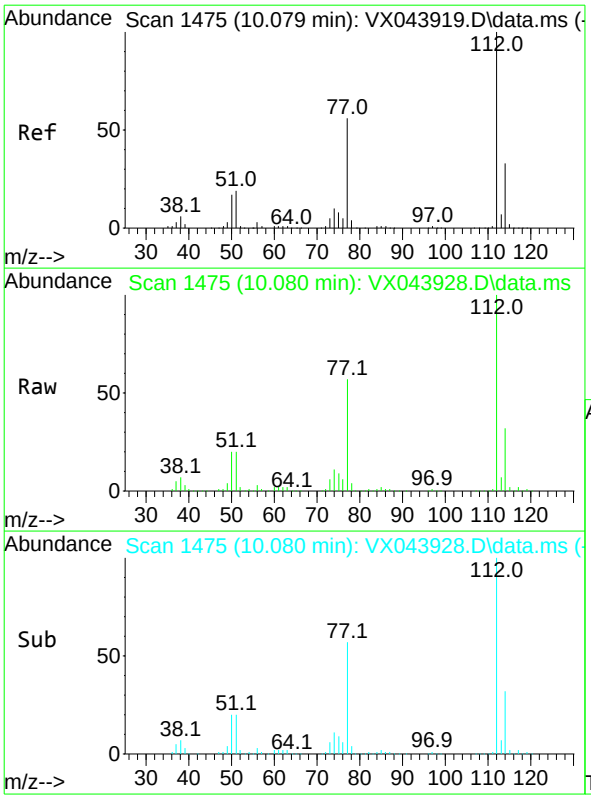


#64
Tetrachloroethene
Concen: 54.472 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.9	151.3
129	99.5	80.3	120.5
131	96.1	78.3	117.5

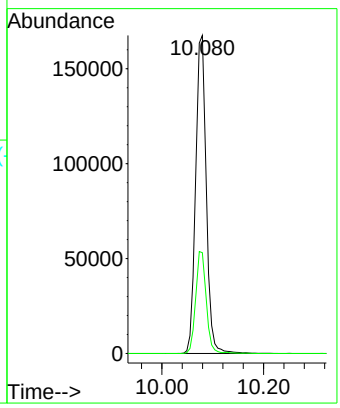




#65
Chlorobenzene
Concen: 54.828 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:112 Resp: 243080

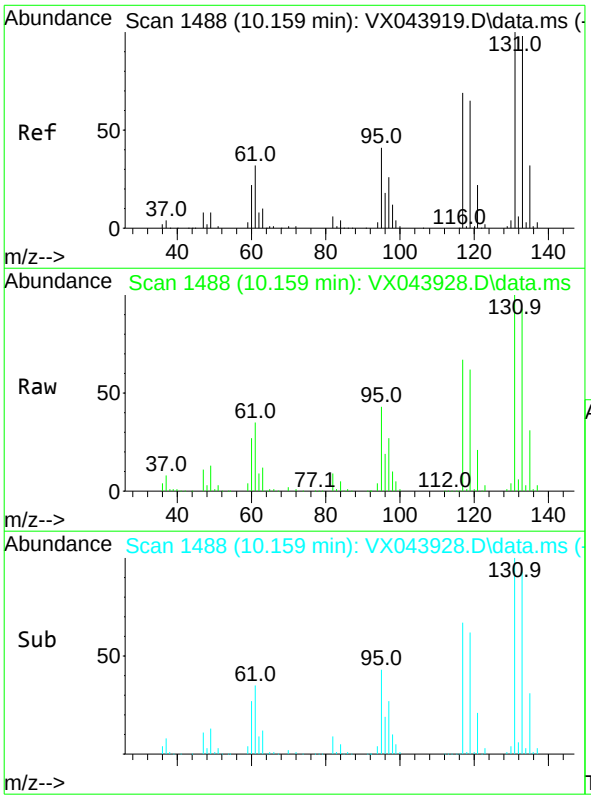
Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

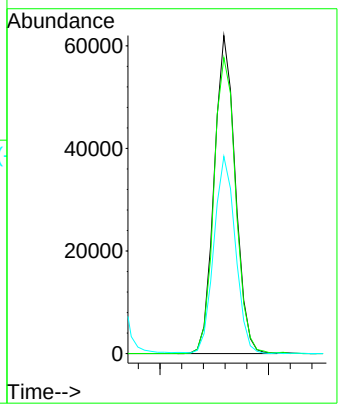
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

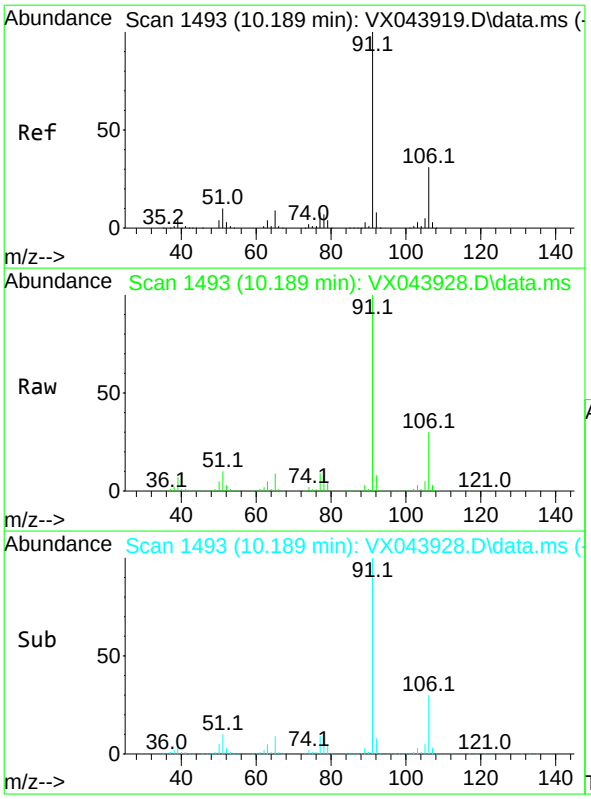


#66
1,1,1,2-Tetrachloroethane
Concen: 56.885 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.8	146.3
119	63.0	32.9	98.7

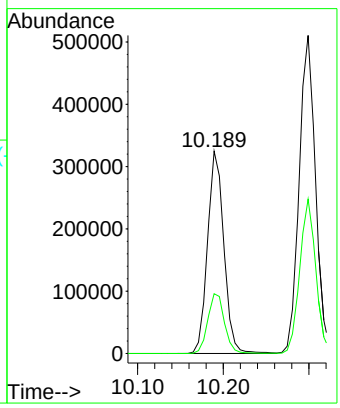




#67
Ethyl Benzene
Concen: 57.573 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 429559

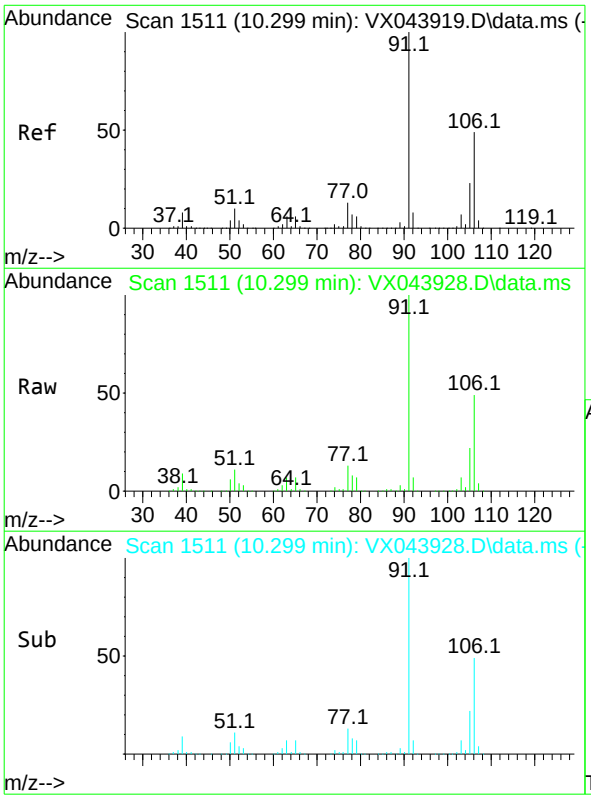
Ion	Ratio	Lower	Upper
91	100		
106	29.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

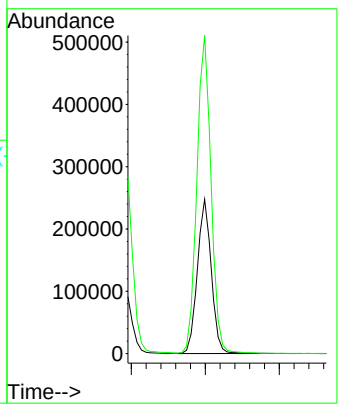
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

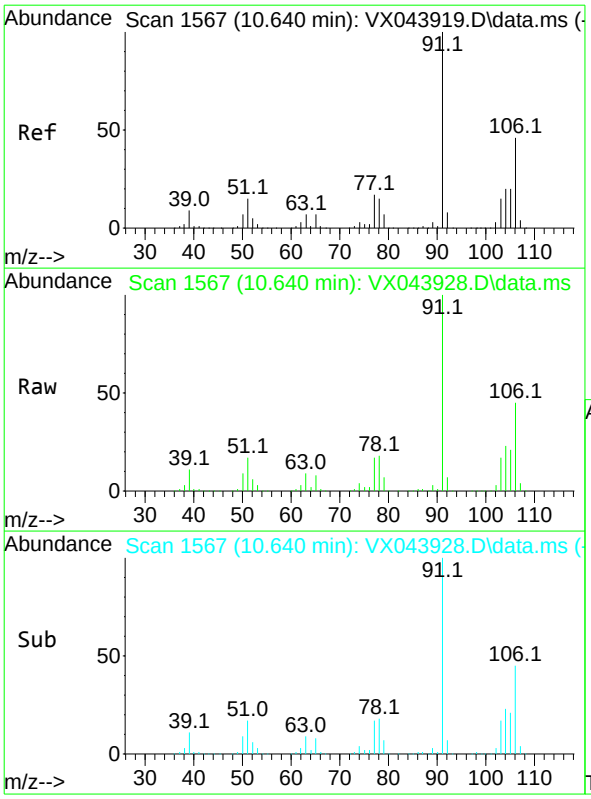


#68
m/p-Xylenes
Concen: 116.466 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

Ion	Ratio	Lower	Upper
106	100		
91	210.1	163.3	244.9

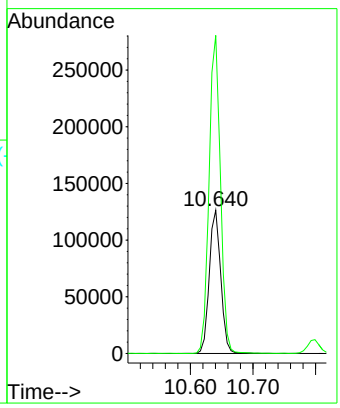




#69
o-Xylene
Concen: 59.245 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 160643

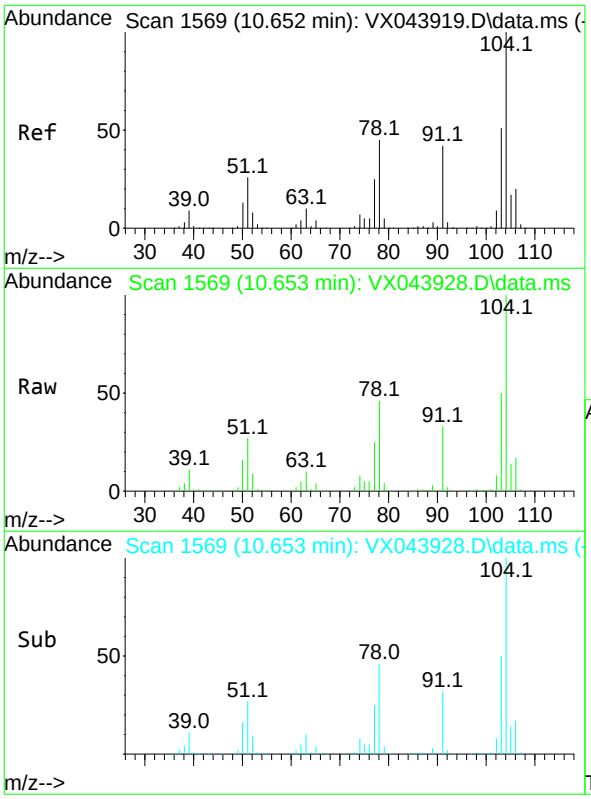
Ion	Ratio	Lower	Upper
106	100		
91	220.4	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

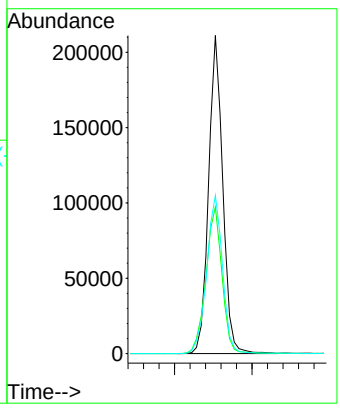
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

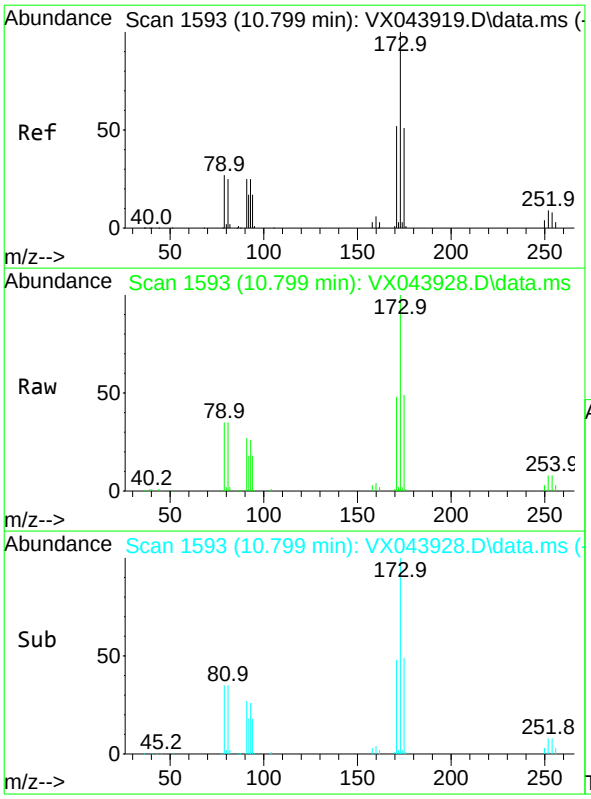


#70
Styrene
Concen: 59.974 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004

Ion	Ratio	Lower	Upper
104	100		
78	52.7	40.3	60.5
103	55.9	43.9	65.9

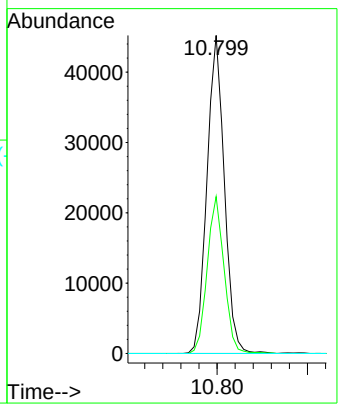




#71
Bromoform
Concen: 62.587 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:173 Resp: 60267

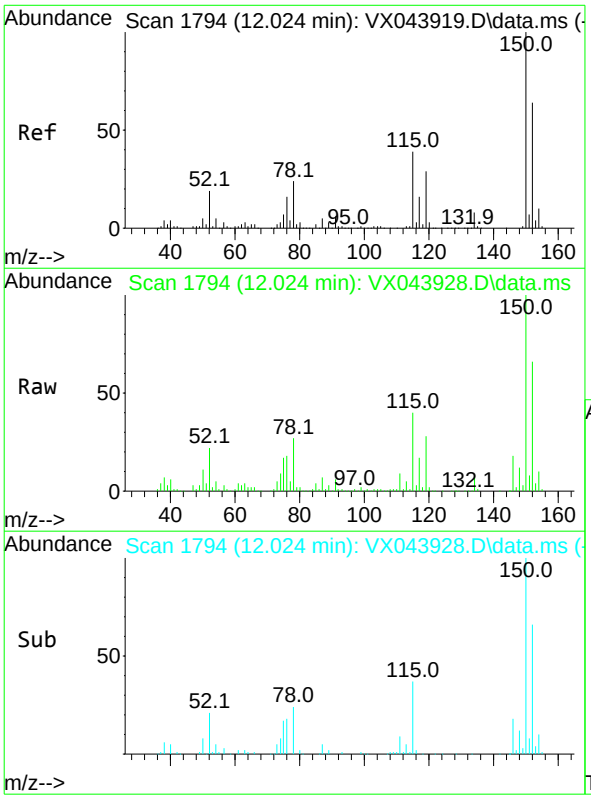
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

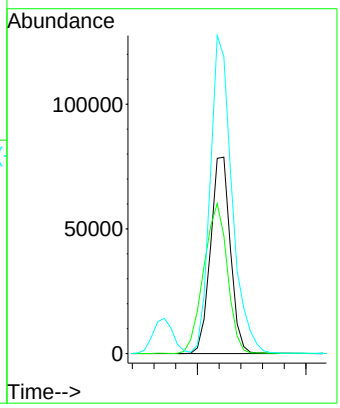
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

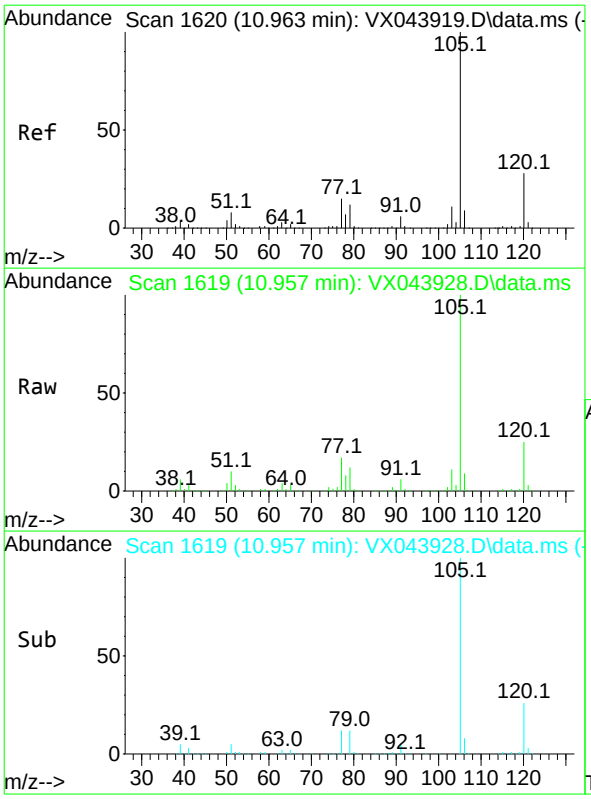


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316

Ion	Ratio	Lower	Upper
152	100		
115	90.8	42.1	126.3
150	176.5	0.0	348.2

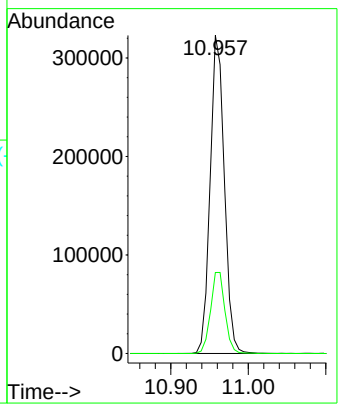




#73
Isopropylbenzene
Concen: 57.397 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 411000

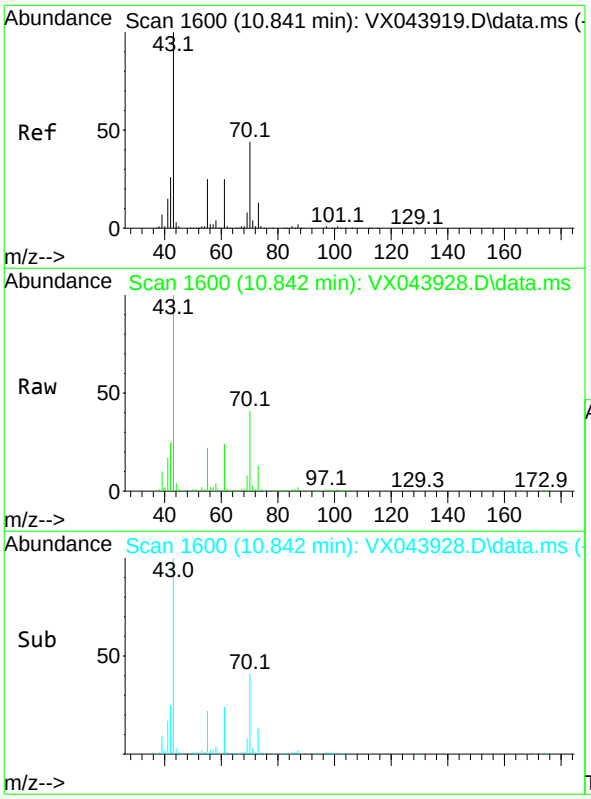
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

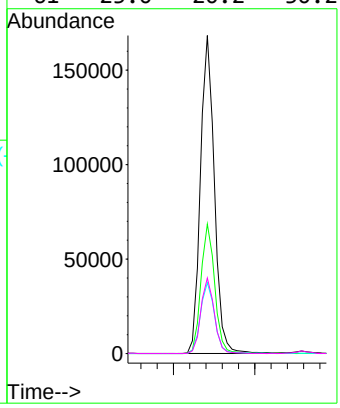
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

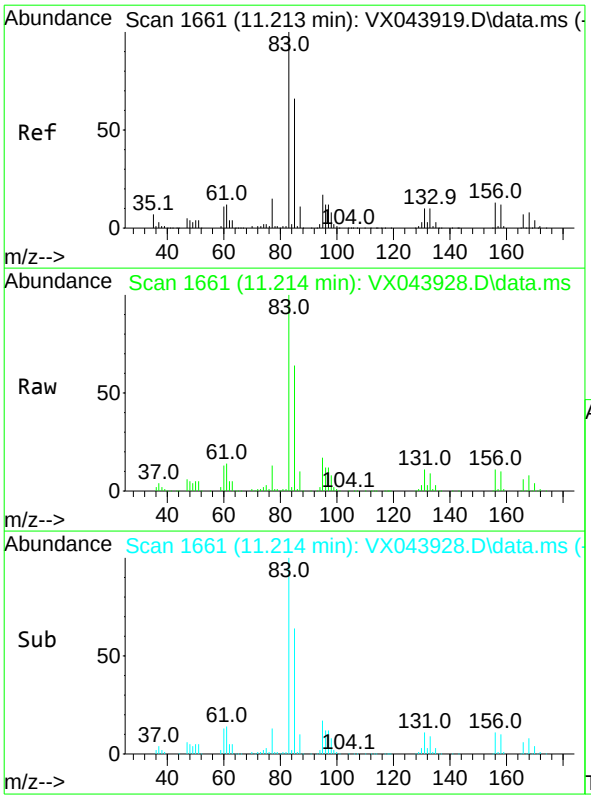


#74
N-amyl acetate
Concen: 62.704 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

Ion	Ratio	Lower	Upper
43	100		
70	40.2	36.5	54.7
55	22.6	19.6	29.4
61	23.0	20.2	30.2

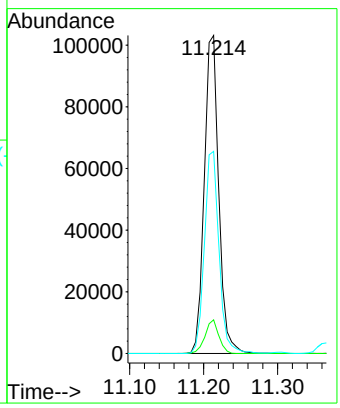




#75
1,1,2,2-Tetrachloroethane
Concen: 57.726 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 139756

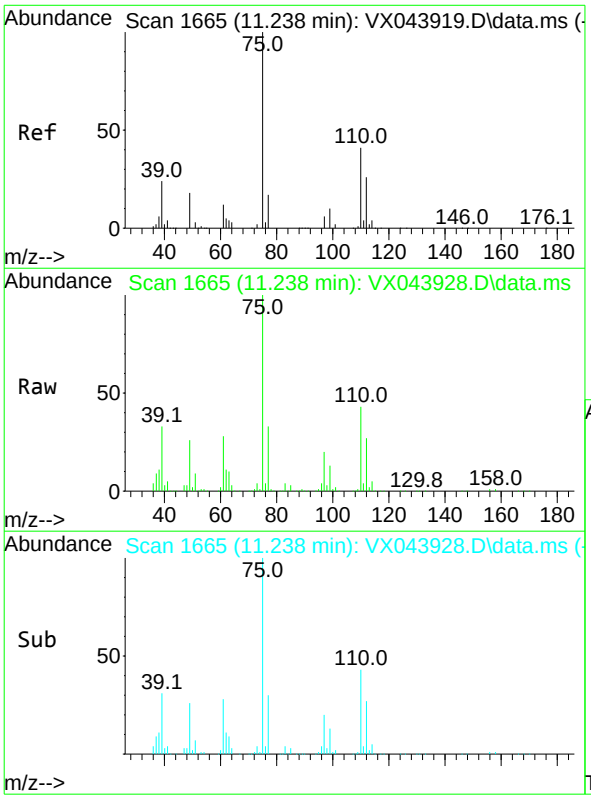
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.4	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

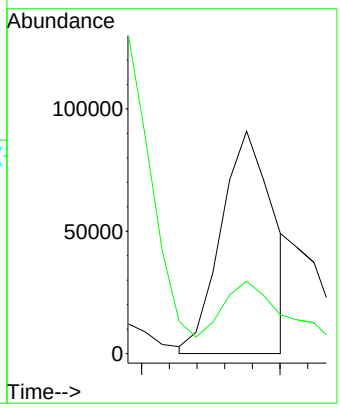
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

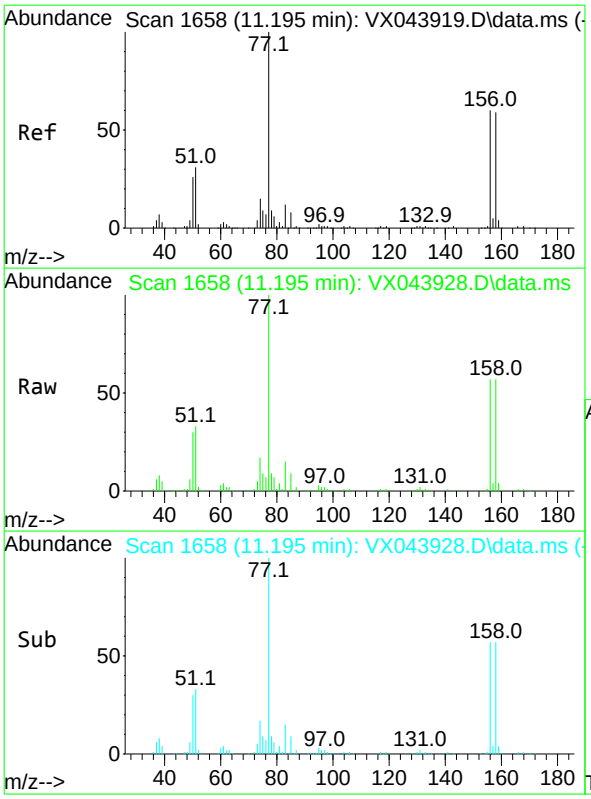


#76
1,2,3-Trichloropropane
Concen: 57.858 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 118450

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0

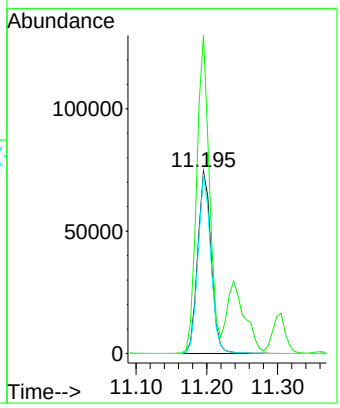




#77
Bromobenzene
Concen: 55.706 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:156 Resp: 97761

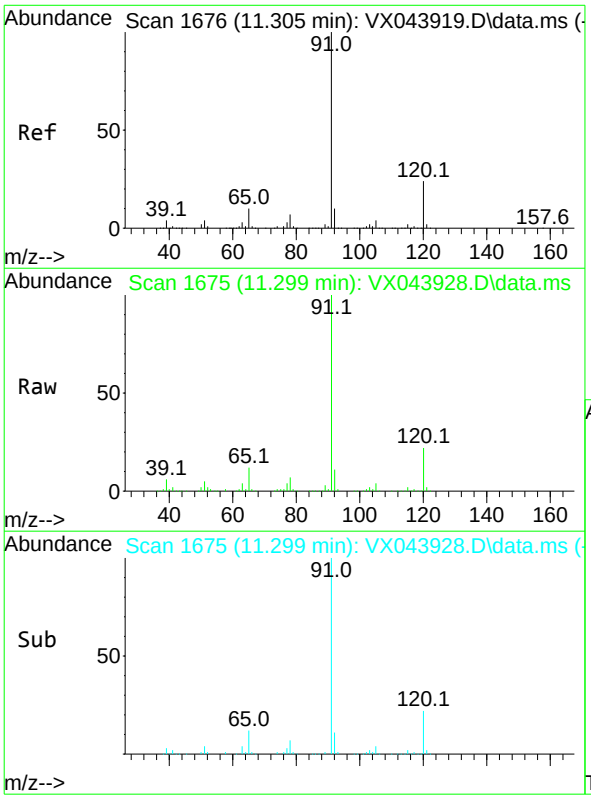
Ion	Ratio	Lower	Upper
156	100		
77	166.7	81.2	243.6
158	95.2	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

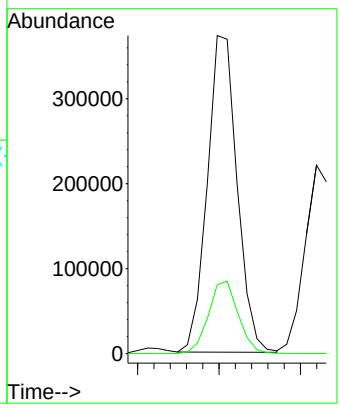
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

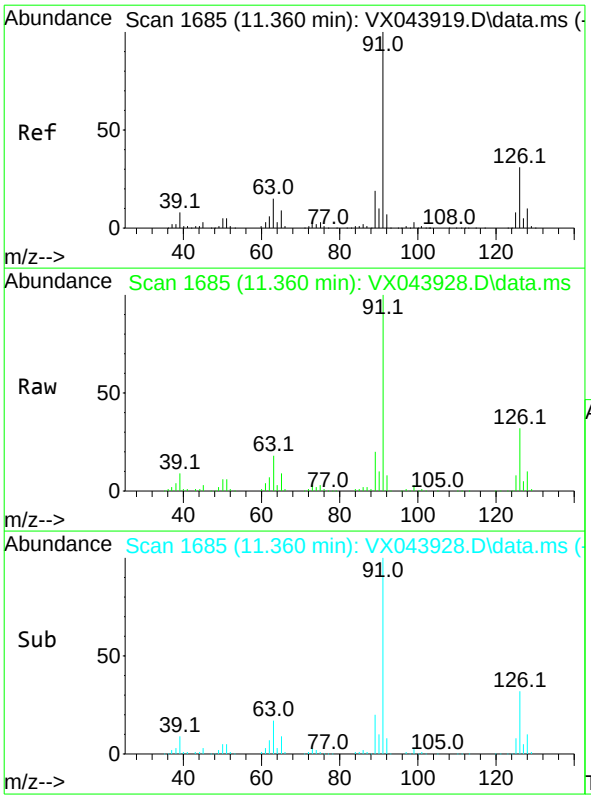


#78
n-propylbenzene
Concen: 60.094 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

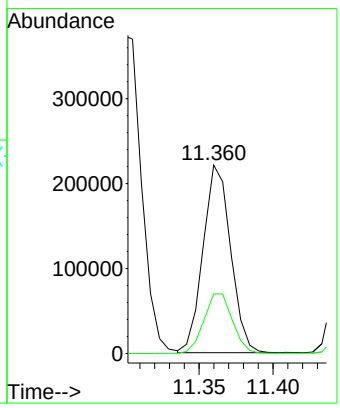




#79
2-Chlorotoluene
Concen: 57.018 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 286649

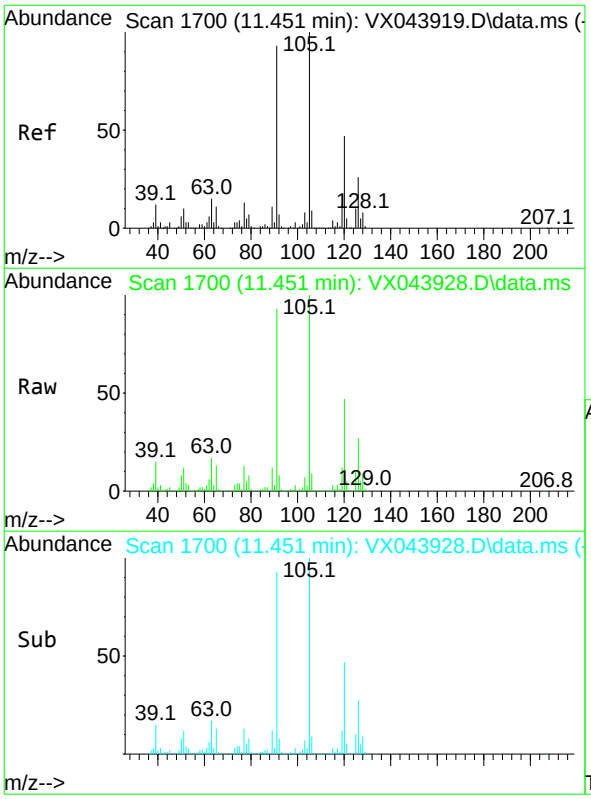
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

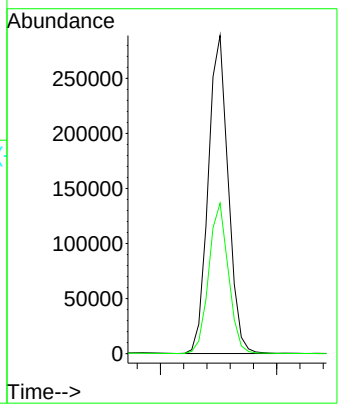
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

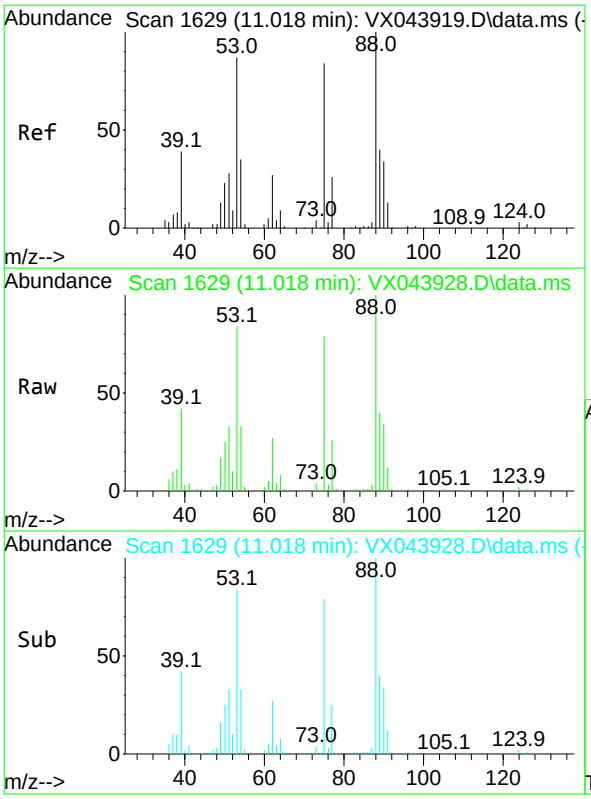


#80
1,3,5-Trimethylbenzene
Concen: 58.215 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.5

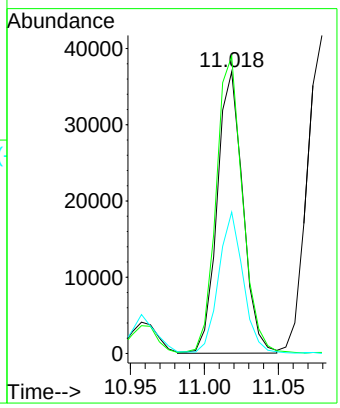




#81
trans-1,4-Dichloro-2-butene
Concen: 61.129 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 44450

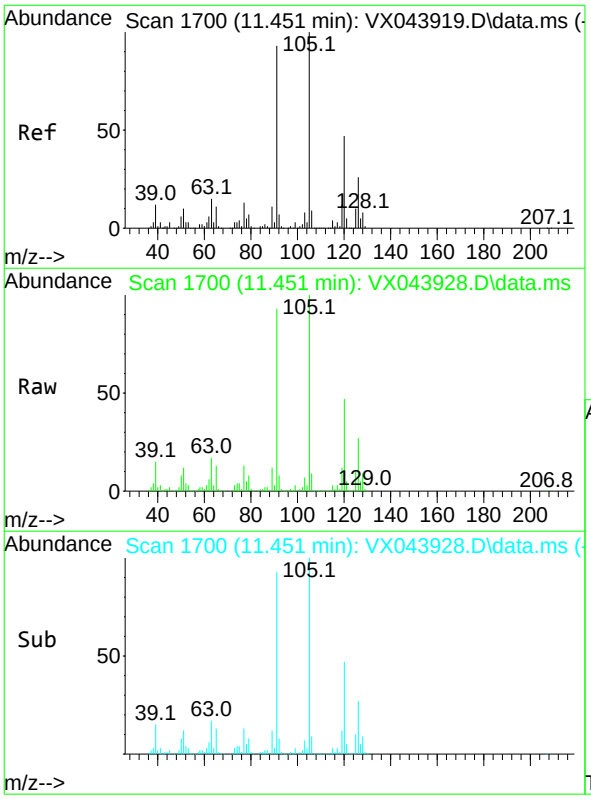
Ion	Ratio	Lower	Upper
75	100		
53	108.4	81.7	122.5
89	47.7	38.6	57.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

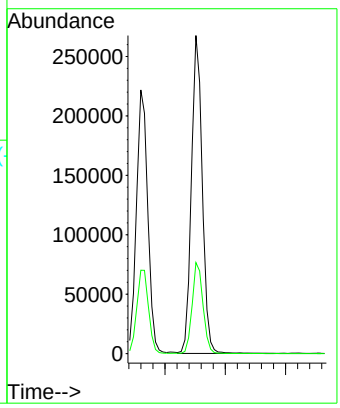
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

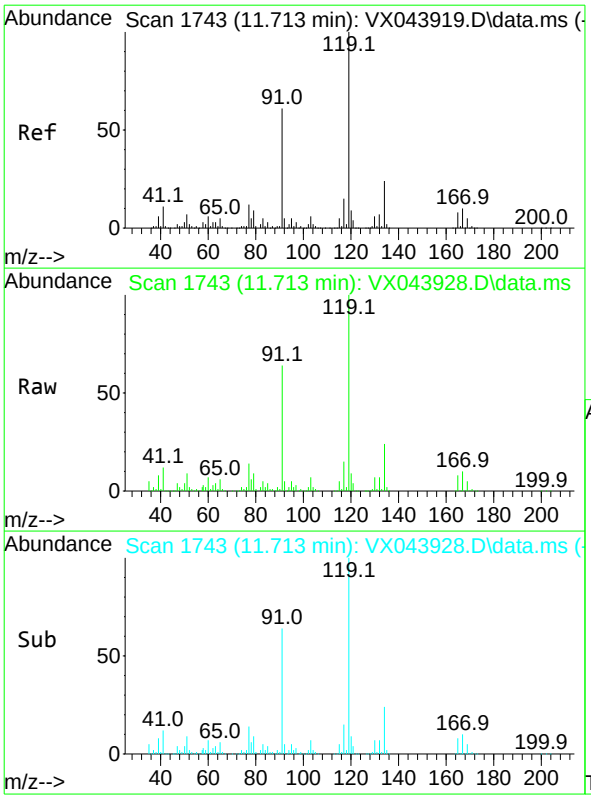


#82
4-Chlorotoluene
Concen: 57.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

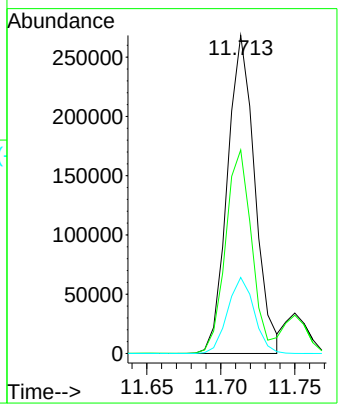




#83
tert-Butylbenzene
Concen: 56.841 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 345112

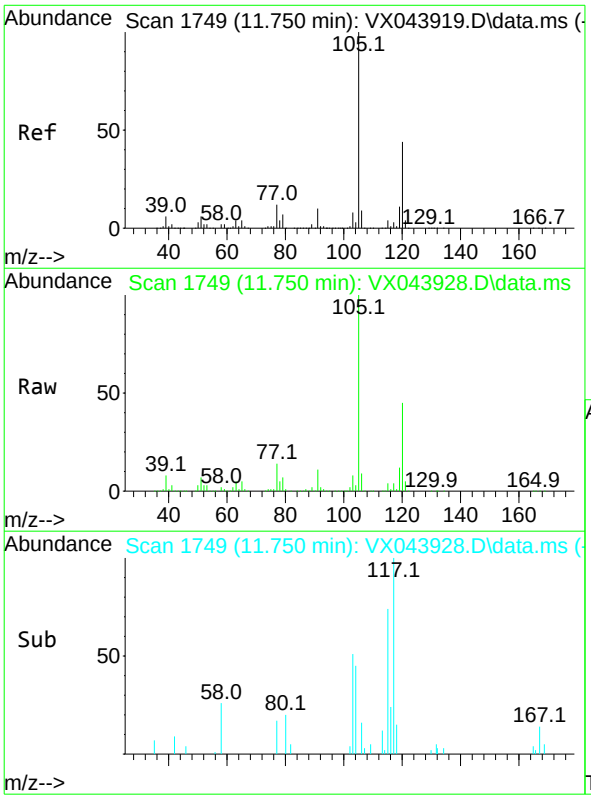
Ion	Ratio	Lower	Upper
119	100		
91	62.0	29.5	88.6
134	23.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

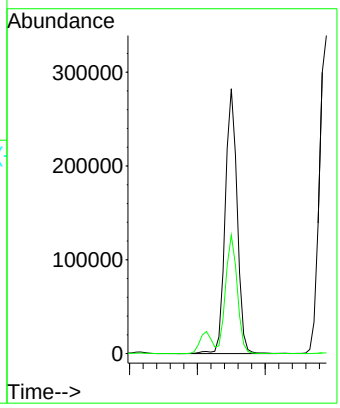
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

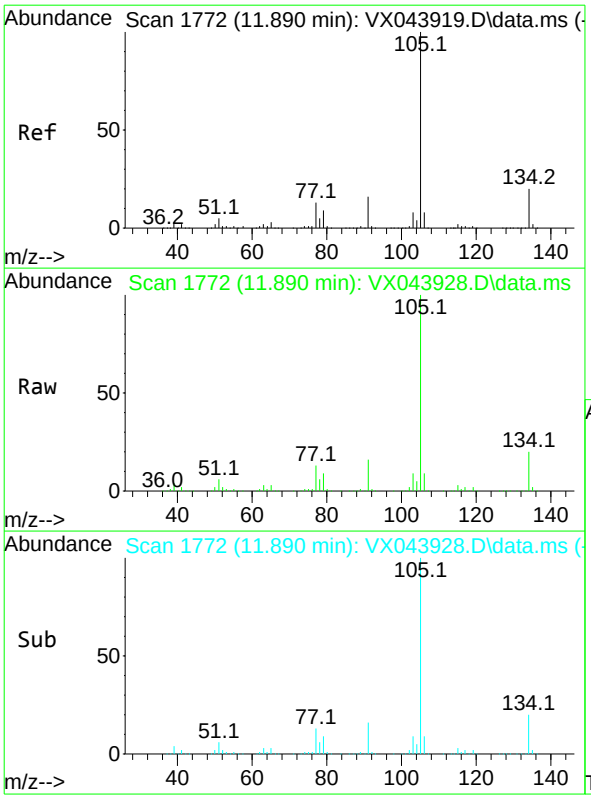


#84
1,2,4-Trimethylbenzene
Concen: 57.254 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1

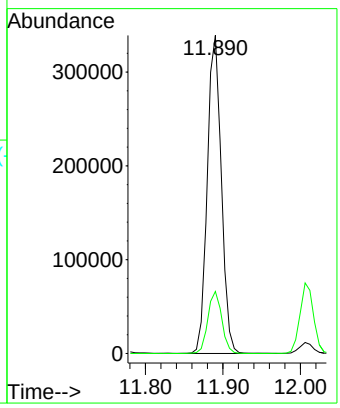




#85
sec-Butylbenzene
Concen: 58.794 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 426284

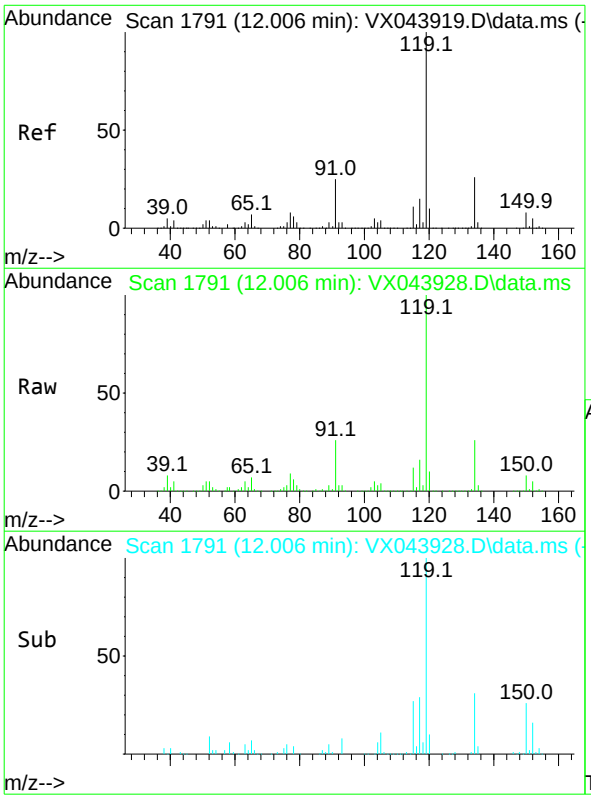
Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

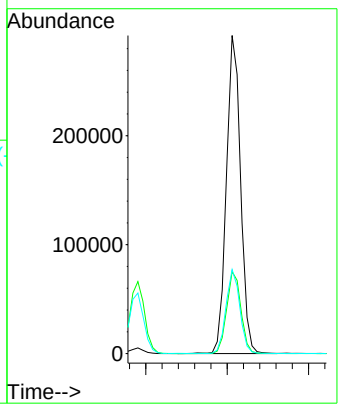
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

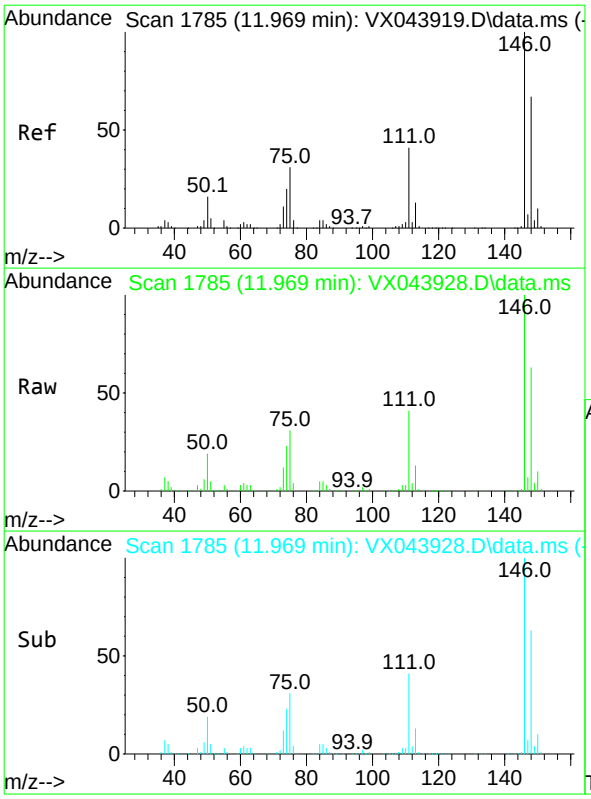


#86
p-Isopropyltoluene
Concen: 58.026 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.9	12.3	36.8

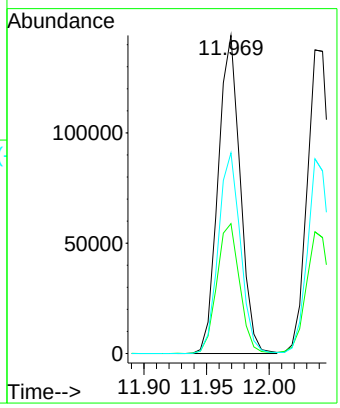




#87
1,3-Dichlorobenzene
Concen: 54.401 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 176936

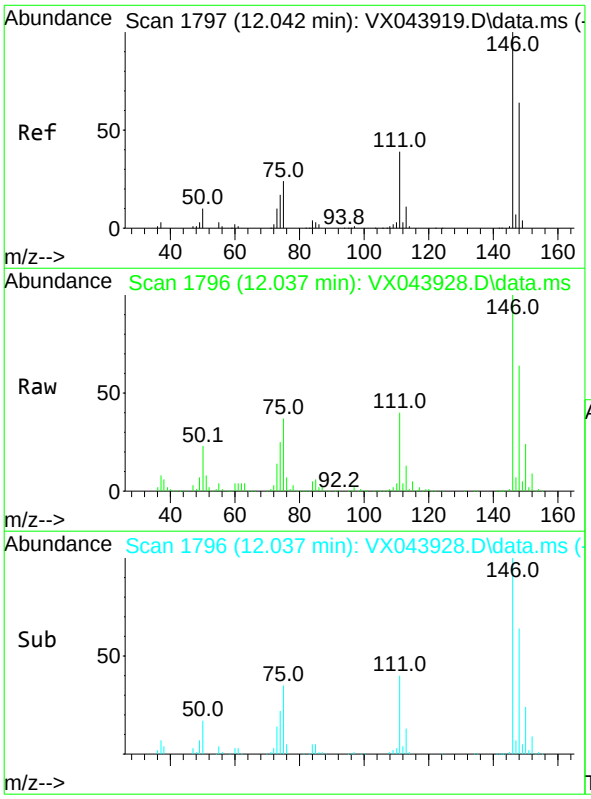
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

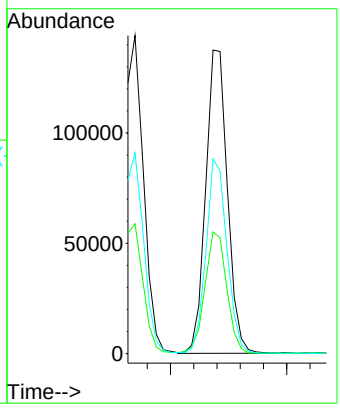
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

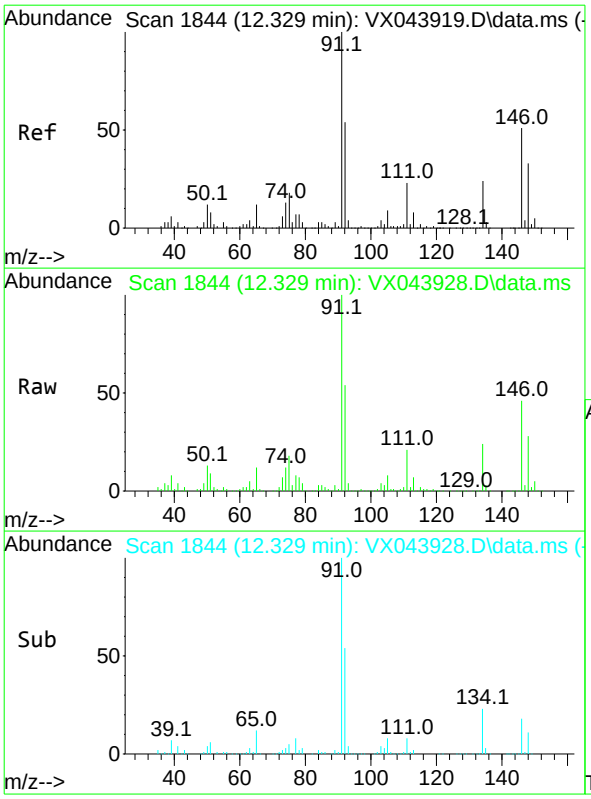


#88
1,4-Dichlorobenzene
Concen: 53.598 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	61.9	32.2	96.6

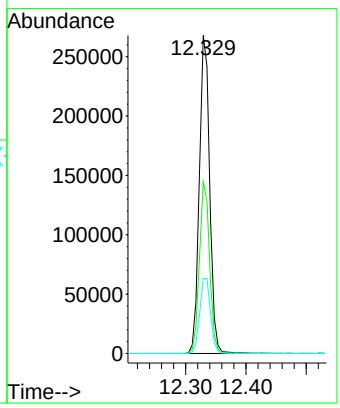




#89
n-Butylbenzene
Concen: 61.581 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 319448

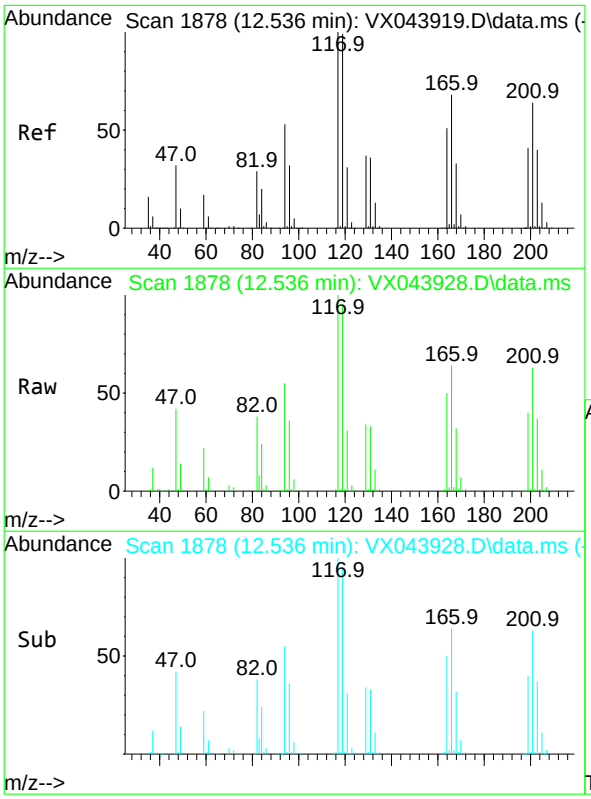
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

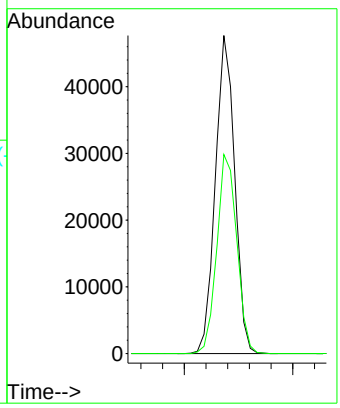
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

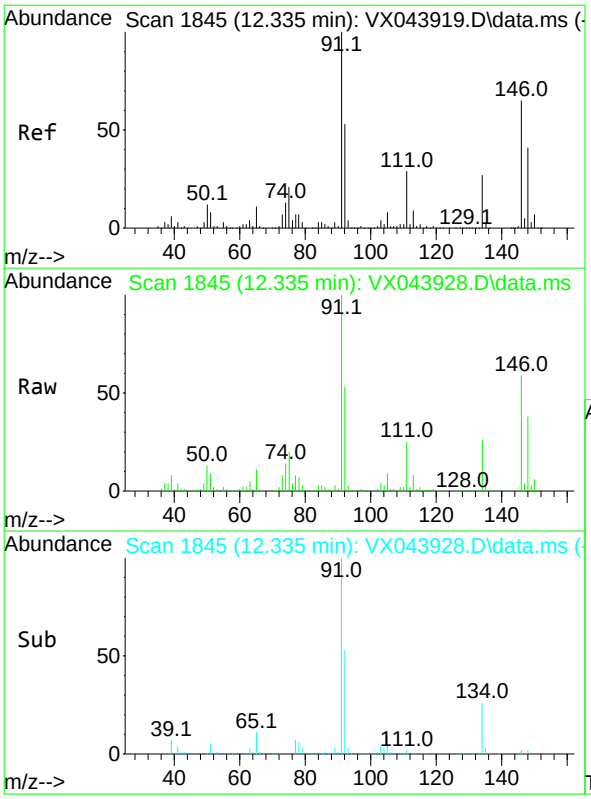


#90
Hexachloroethane
Concen: 57.586 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 59010

Ion	Ratio	Lower	Upper
117	100		
201	64.7	34.1	102.3

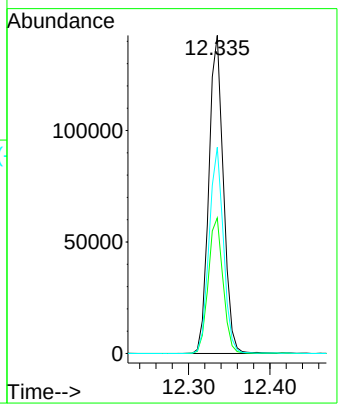




#91
1,2-Dichlorobenzene
Concen: 52.077 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 177334

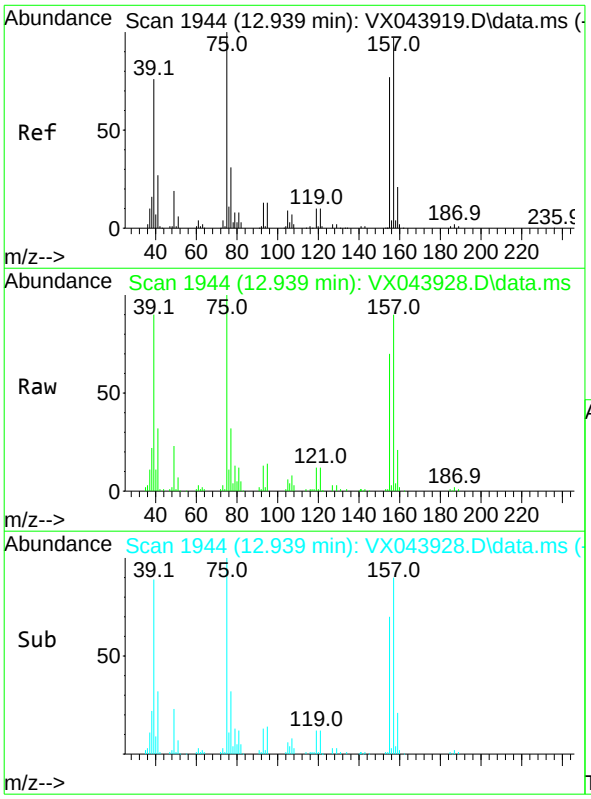
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.7	65.1
148	63.7	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

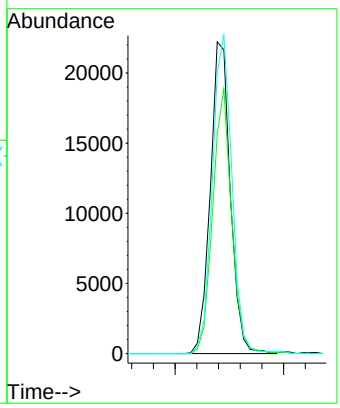
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

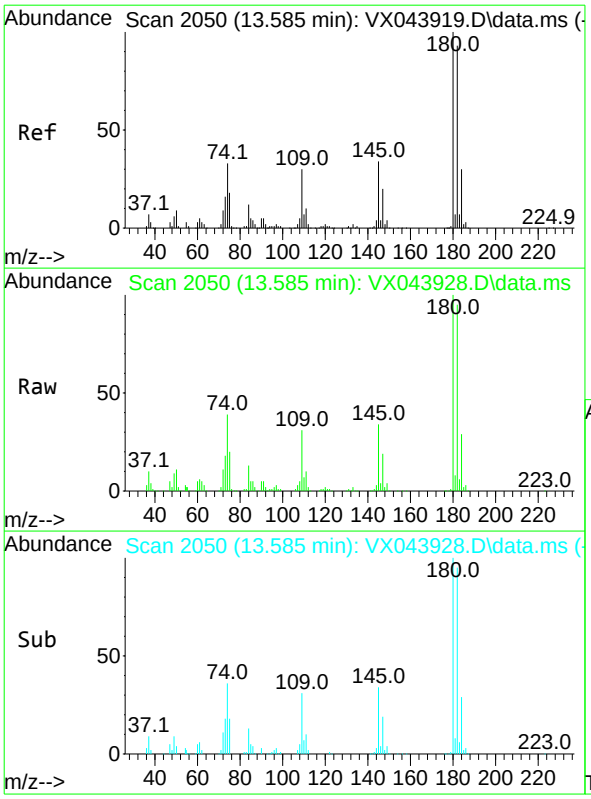


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.961 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.8	122.5
157	99.3	54.3	162.9

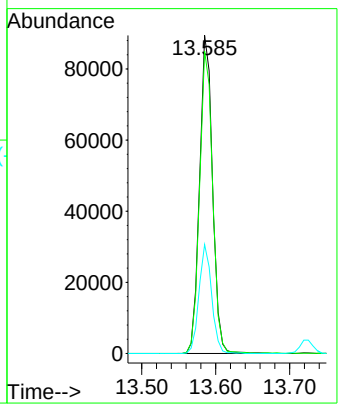




#93
1,2,4-Trichlorobenzene
Concen: 54.645 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 108749

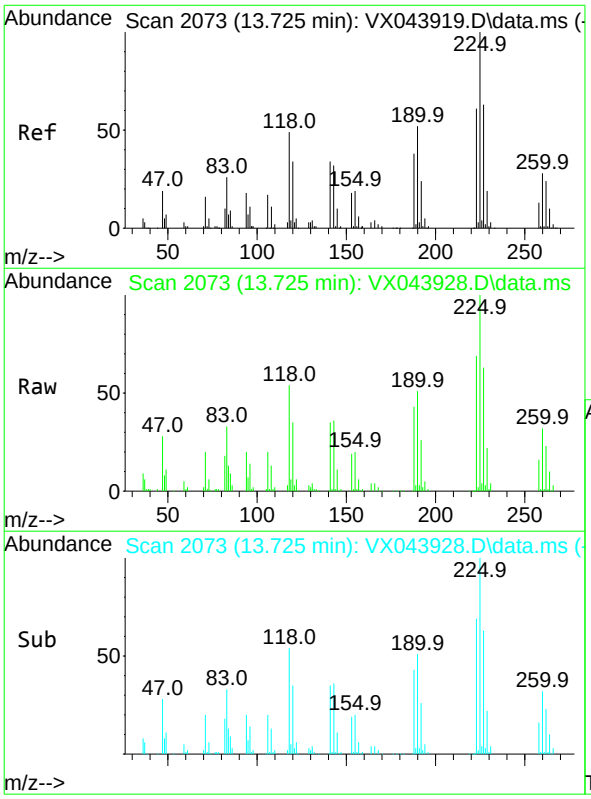
Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.8	140.4
145	33.6	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

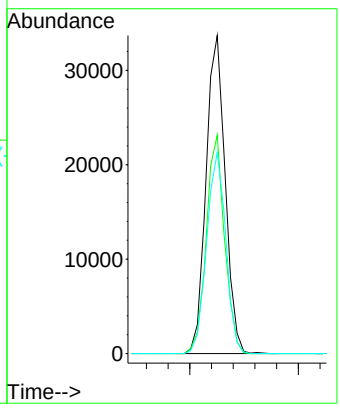
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

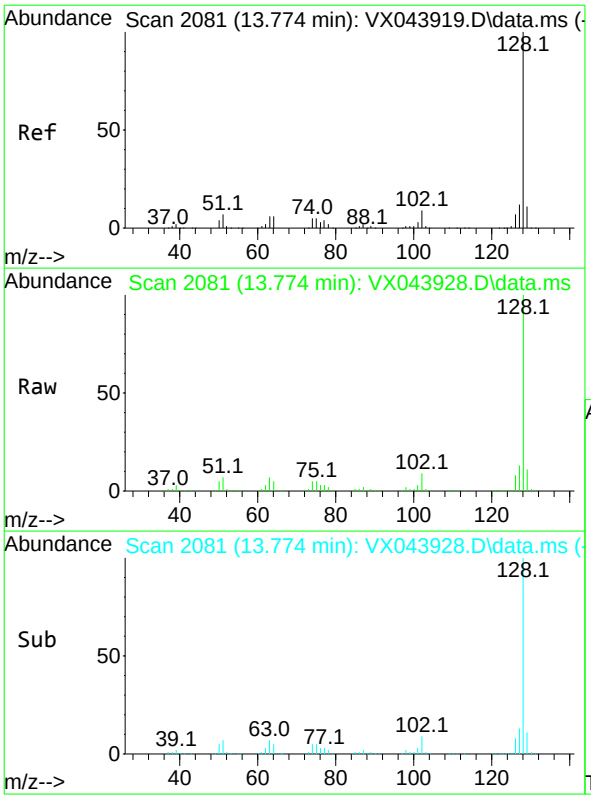


#94
Hexachlorobutadiene
Concen: 50.599 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:225 Resp: 41267

Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.3
227	63.2	29.8	89.5

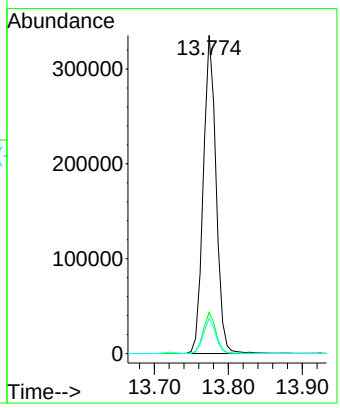




#95
Naphthalene
Concen: 54.142 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:128 Resp: 401752

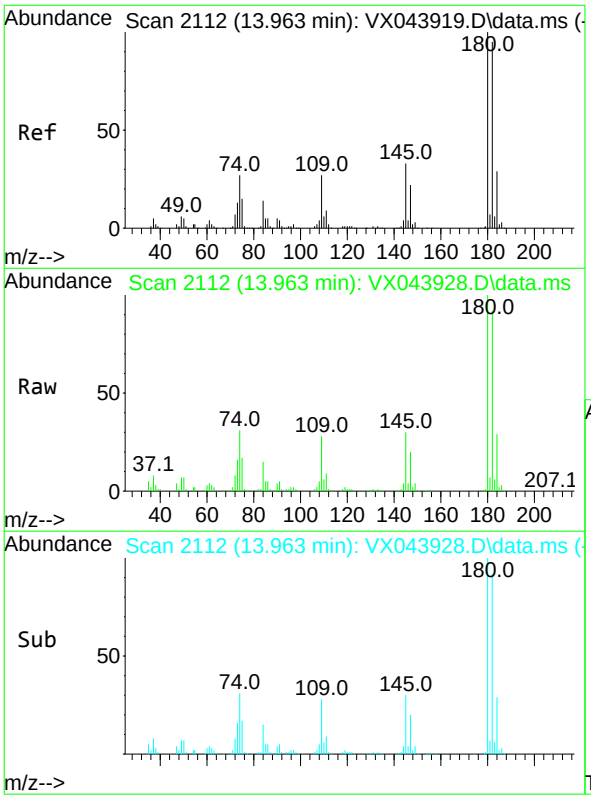
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

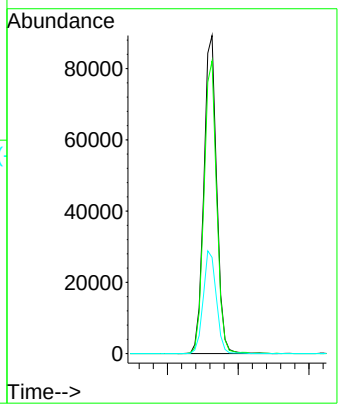
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 54.094 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162

Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.6	142.8
145	32.9	17.4	52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	236531	111.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 222.660%#			
35) Dibromofluoromethane	5.379	113	176869	106.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 213.780%#			
50) Toluene-d8	8.647	98	607337	109.870	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 219.740%#			
62) 4-Bromofluorobenzene	11.079	95	215953	118.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 236.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	118.713	ug/l	97
3) Chloromethane	1.295	50	183899	105.136	ug/l	100
4) Vinyl Chloride	1.374	62	192221	109.377	ug/l	98
5) Bromomethane	1.593	94	118792	148.807	ug/l	99
6) Chloroethane	1.660	64	101816	121.286	ug/l	98
7) Trichlorofluoromethane	1.868	101	354375	141.438	ug/l	100
8) Diethyl Ether	2.136	74	125840	133.219	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	109.922	ug/l	96
10) Methyl Iodide	2.441	142	213858	102.481	ug/l	96
11) Tert butyl alcohol	3.002	59	184757	546.882	ug/l	100
12) 1,1-Dichloroethene	2.307	96	158111	109.868	ug/l	89
13) Acrolein	2.240	56	200929	530.320	ug/l	99
14) Allyl chloride	2.654	41	276068	118.320	ug/l	90
15) Acrylonitrile	3.069	53	458624	527.361	ug/l	97
16) Acetone	2.386	43	511112	598.985	ug/l	92
17) Carbon Disulfide	2.502	76	367958	117.100	ug/l	99
18) Methyl Acetate	2.703	43	247225	105.800	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	597600	112.347	ug/l	99
20) Methylene Chloride	2.782	84	178008	99.663	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	105.798	ug/l	98
22) Diisopropyl ether	3.764	45	572855	112.380	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	622.111	ug/l	97
24) 1,1-Dichloroethane	3.605	63	327756	109.327	ug/l	99
25) 2-Butanone	4.562	43	690992	578.867	ug/l	98
26) 2,2-Dichloropropane	4.471	77	299254	121.468	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	206207	105.613	ug/l	94
28) Bromochloromethane	4.898	49	138227	109.575	ug/l	91
29) Tetrahydrofuran	5.007	42	419337	543.649	ug/l	97
30) Chloroform	5.087	83	350923	112.294	ug/l	97
31) Cyclohexane	5.458	56	256114	105.404	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	309469	115.841	ug/l	98
36) 1,1-Dichloropropene	5.684	75	222573	107.931	ug/l	99
37) Ethyl Acetate	4.715	43	265631	114.453	ug/l	97
38) Carbon Tetrachloride	5.672	117	256290	117.390	ug/l	97
39) Methylcyclohexane	7.373	83	283075	109.652	ug/l	98
40) Benzene	6.032	78	684139	105.520	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143256	118.447 ug/l		94
42) 1,2-Dichloroethane	6.080	62	271641	115.387 ug/l		98
43) Isopropyl Acetate	6.342	43	440615	120.346 ug/l		94
44) Trichloroethene	7.123	130	169796	94.997 ug/l		98
45) 1,2-Dichloropropane	7.428	63	170741	107.450 ug/l		99
46) Dibromomethane	7.574	93	135928	113.518 ug/l		96
47) Bromodichloromethane	7.818	83	260442	123.792 ug/l		97
48) Methyl methacrylate	7.690	41	210614	116.061 ug/l		88
49) 1,4-Dioxane	7.665	88	62845	1625.913 ug/l	#	72
51) 4-Methyl-2-Pentanone	8.574	43	1329064	582.189 ug/l		95
52) Toluene	8.714	92	418999	112.018 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	270418	126.680 ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	285627	118.077 ug/l	#	89
55) 1,1,2-Trichloroethane	9.147	97	167357	114.675 ug/l		97
56) Ethyl methacrylate	9.116	69	286893	124.157 ug/l	#	90
57) 1,3-Dichloropropane	9.305	76	285511	116.773 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	576.637 ug/l		98
59) 2-Hexanone	9.433	43	1011261	627.842 ug/l		95
60) Dibromochloromethane	9.519	129	187476	131.832 ug/l		99
61) 1,2-Dibromoethane	9.610	107	176345	115.841 ug/l		99
64) Tetrachloroethene	9.269	164	135740	98.157 ug/l		97
65) Chlorobenzene	10.080	112	461076	102.382 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	109.812 ug/l		97
67) Ethyl Benzene	10.189	91	812289	107.178 ug/l		98
68) m/p-Xylenes	10.299	106	603451	213.769 ug/l		96
69) o-Xylene	10.640	106	298739	108.462 ug/l		98
70) Styrene	10.653	104	511251	112.628 ug/l		98
71) Bromoform	10.799	173	123114	125.866 ug/l	#	98
73) Isopropylbenzene	10.957	105	765623	103.086 ug/l		99
74) N-amyl acetate	10.842	43	394438	119.112 ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	104.456 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	219028m	103.148 ug/l		
77) Bromobenzene	11.195	156	183742	100.944 ug/l		98
78) n-propylbenzene	11.305	91	891893	108.835 ug/l		99
79) 2-Chlorotoluene	11.360	91	537190	103.022 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	105.408 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	116.733 ug/l		97
82) 4-Chlorotoluene	11.451	91	629590	104.841 ug/l		100
83) tert-Butylbenzene	11.713	119	655918	104.157 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	650156	103.992 ug/l		100
85) sec-Butylbenzene	11.890	105	793233	105.481 ug/l		100
86) p-Isopropyltoluene	12.006	119	669819	106.078 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	337665	100.095 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	343312	99.262 ug/l		99
89) n-Butylbenzene	12.329	91	605284	112.498 ug/l		99
90) Hexachloroethane	12.536	117	120913	113.763 ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	341767	96.765 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	110.517 ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	210571	102.015 ug/l		98
94) Hexachlorobutadiene	13.725	225	79822	94.363 ug/l		95
95) Naphthalene	13.774	128	776740	100.923 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	98.491 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

ICAL Form

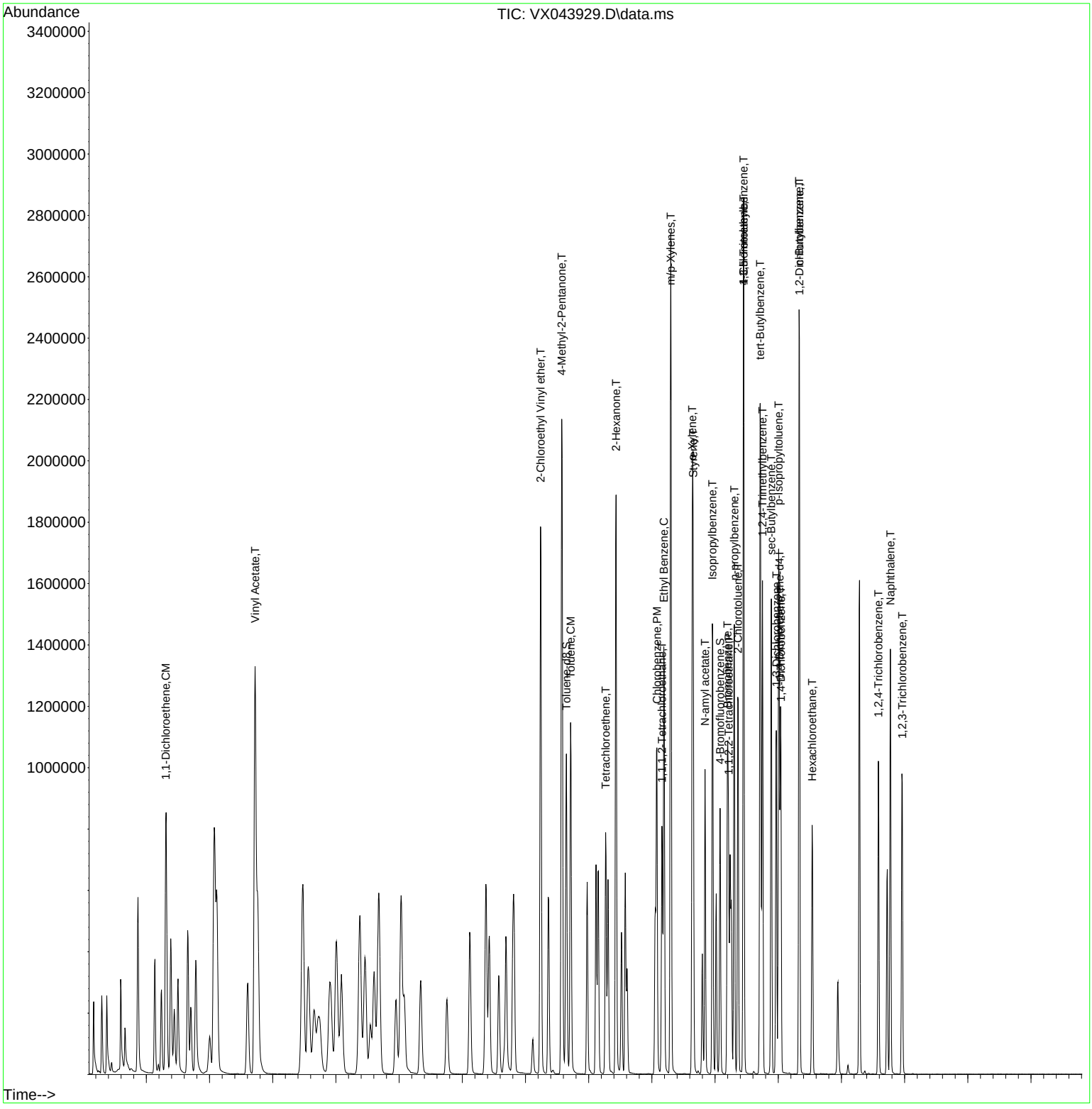
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

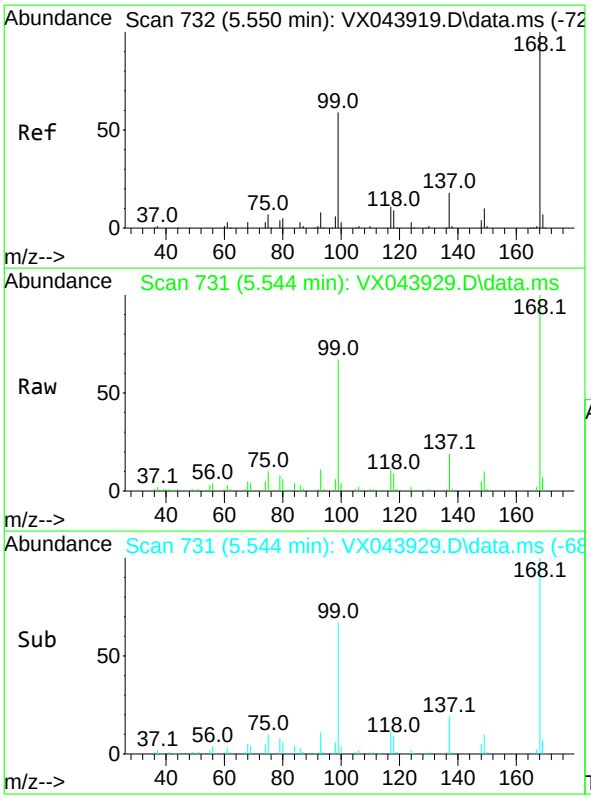
Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

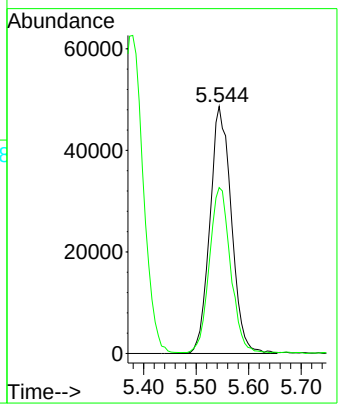




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:168 Resp: 138314

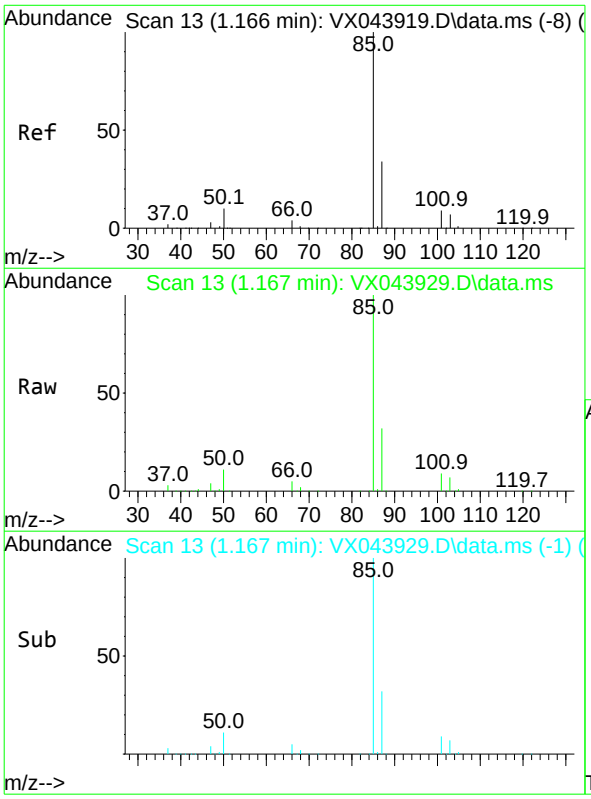
Ion	Ratio	Lower	Upper
168	100		
99	66.7	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

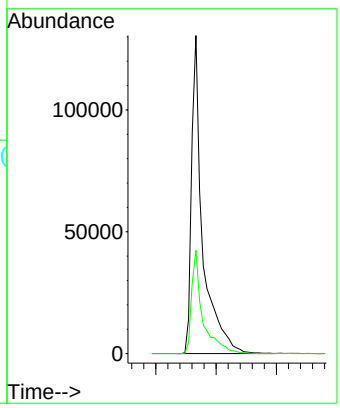
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

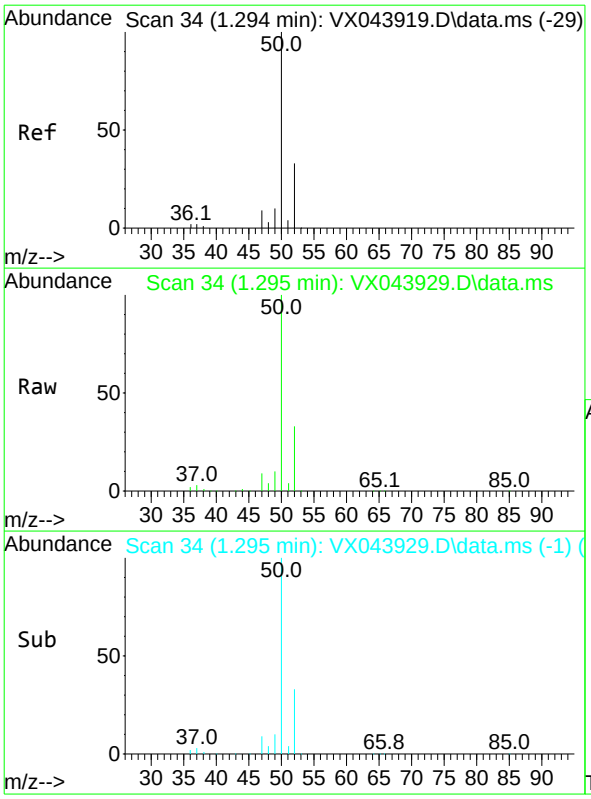


#2
Dichlorodifluoromethane
Concen: 118.713 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.2

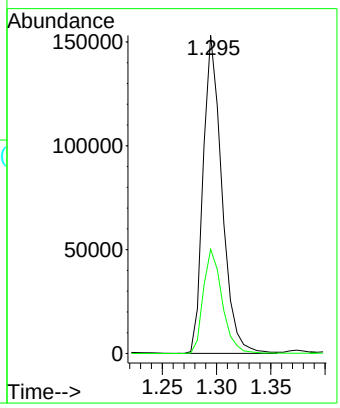




#3
Chloromethane
Concen: 105.136 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 50 Resp: 183899

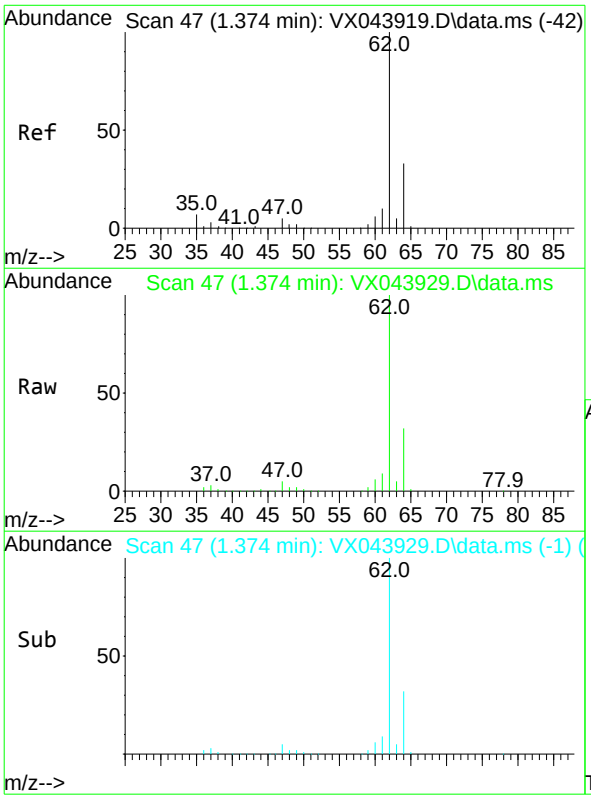
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

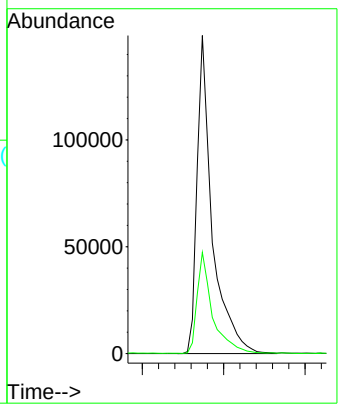
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

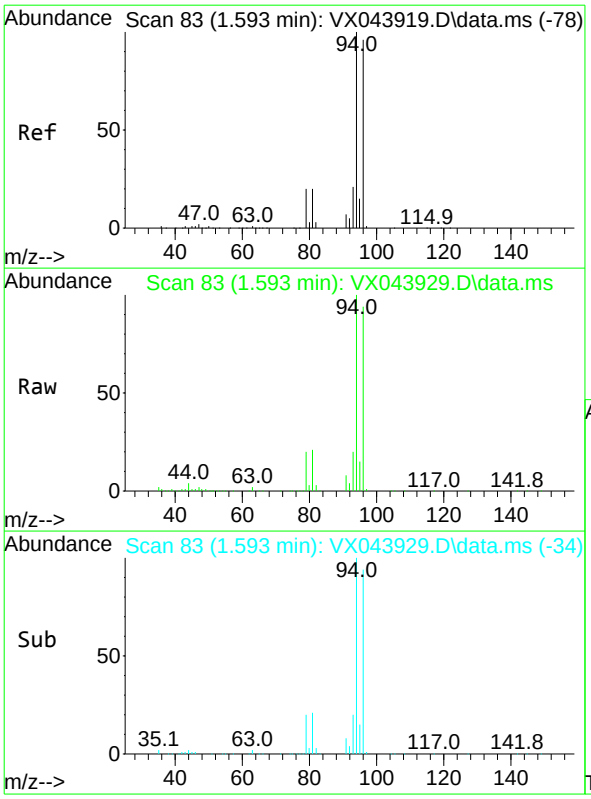


#4
Vinyl Chloride
Concen: 109.377 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.1	39.1

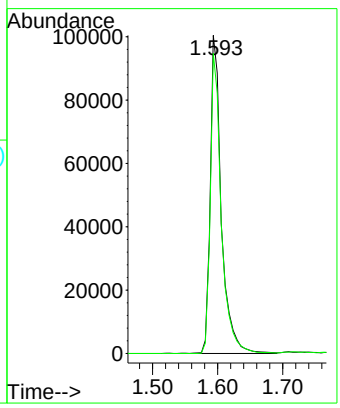




#5
Bromomethane
Concen: 148.807 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 94 Resp: 118792

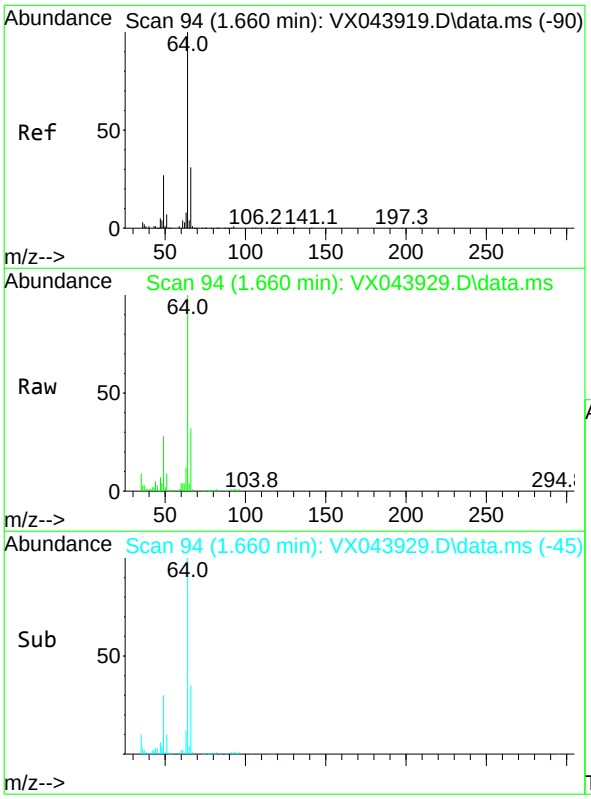
Ion	Ratio	Lower	Upper
94	100		
96	94.3	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

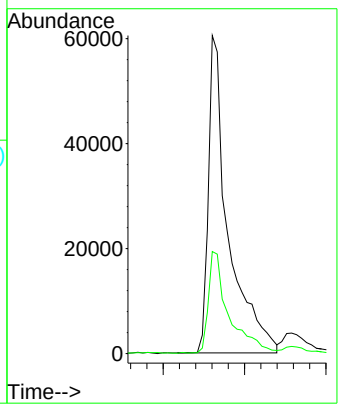
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

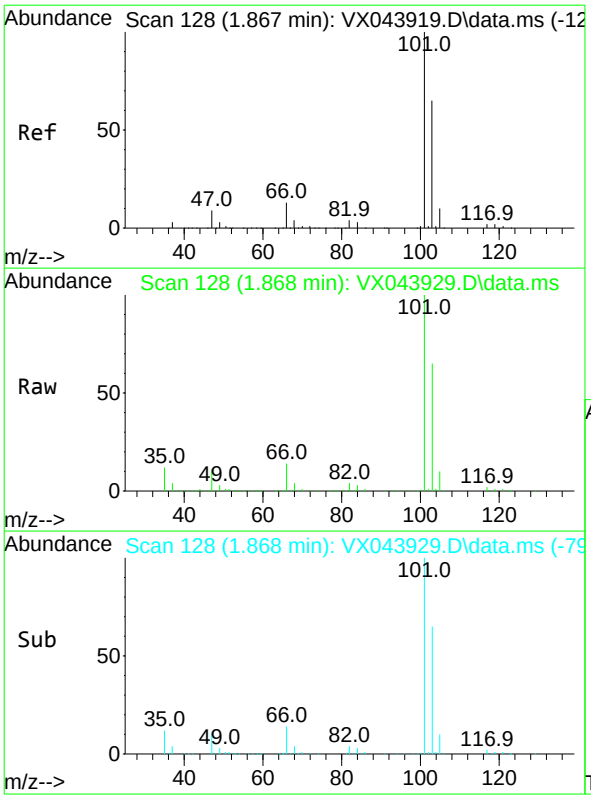


#6
Chloroethane
Concen: 121.286 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.9	37.3

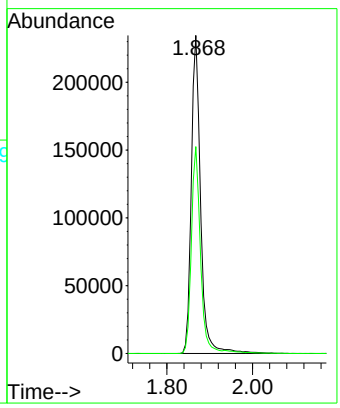




#7
Trichlorofluoromethane
Concen: 141.438 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:101 Resp: 354375

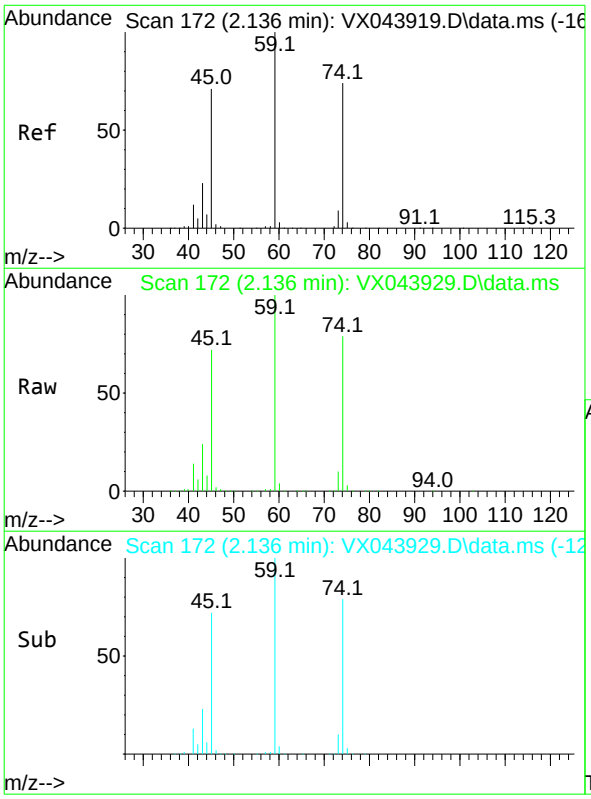
Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

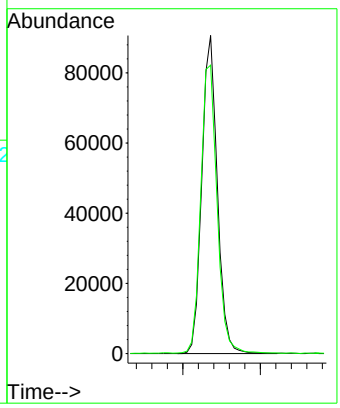
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

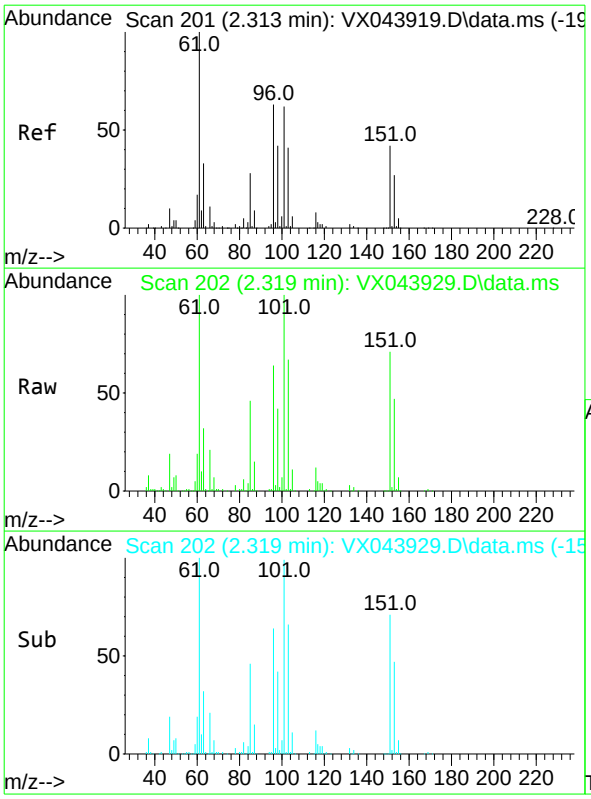


#8
Diethyl Ether
Concen: 133.219 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840

Ion	Ratio	Lower	Upper
74	100		
45	95.5	49.9	149.6

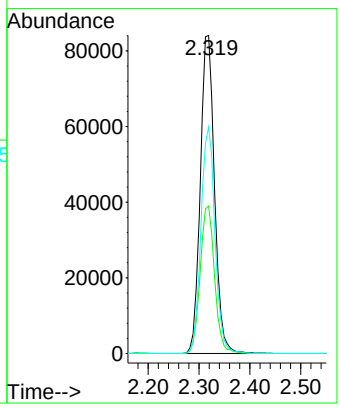




#9
1,1,2-Trichlorotrifluoroethane
Concen: 109.922 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:101 Resp: 162988

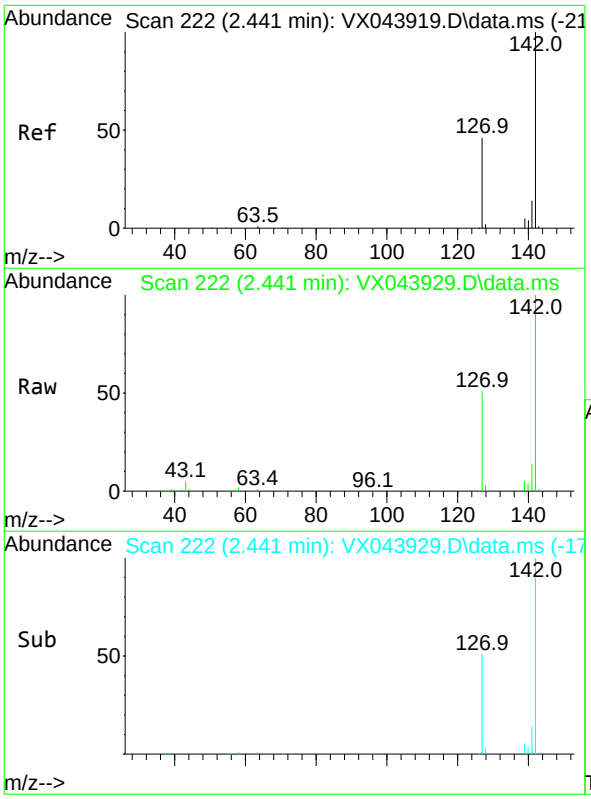
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.6	54.8
151	70.5	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

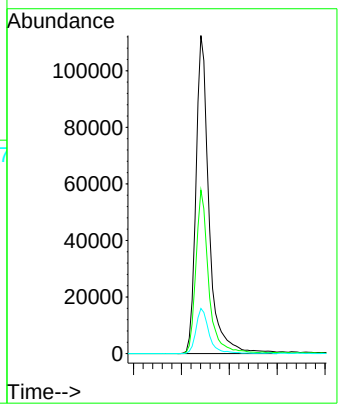
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

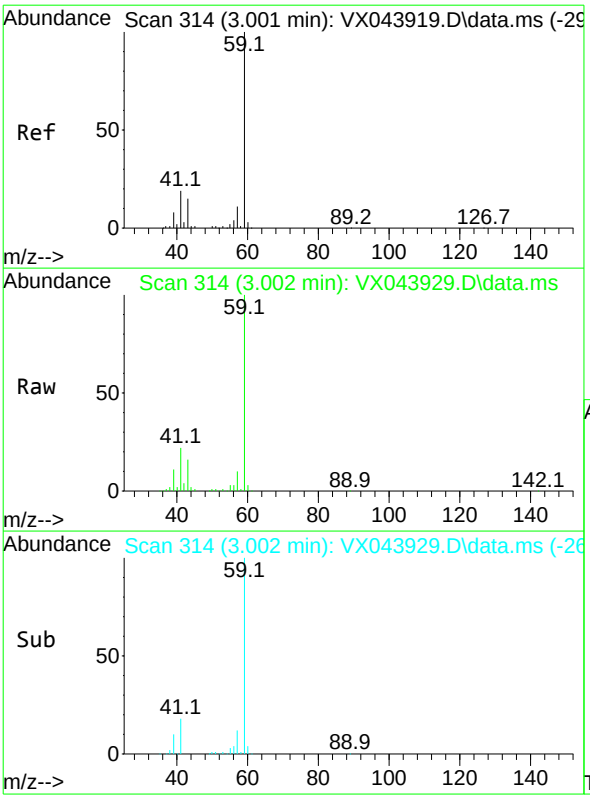


#10
Methyl Iodide
Concen: 102.481 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858

Ion	Ratio	Lower	Upper
142	100		
127	50.0	37.3	55.9
141	14.1	11.4	17.2

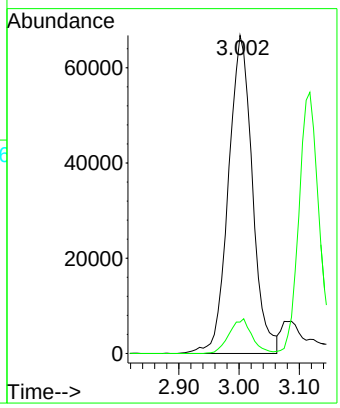




#11
Tert butyl alcohol
Concen: 546.882 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 59 Resp: 184757

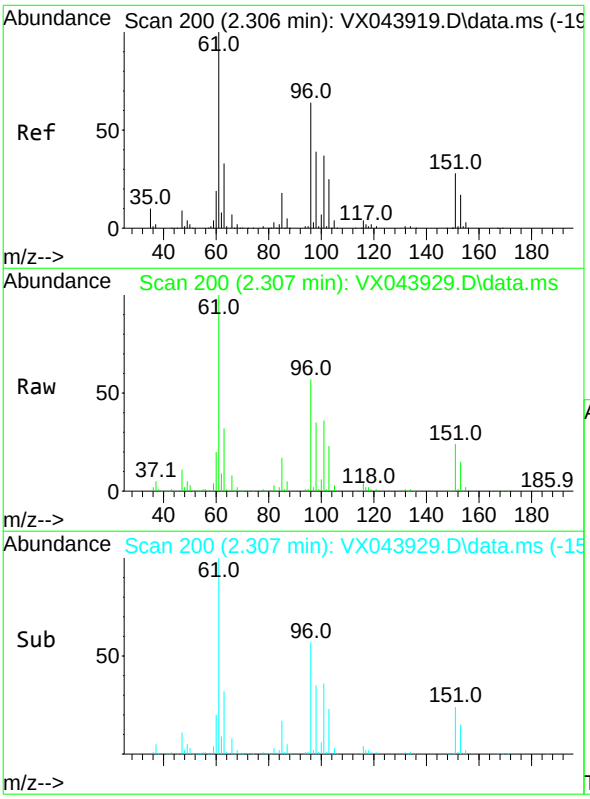
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

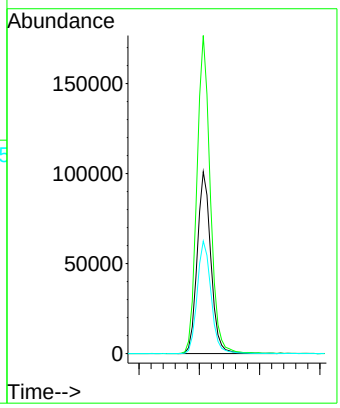
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

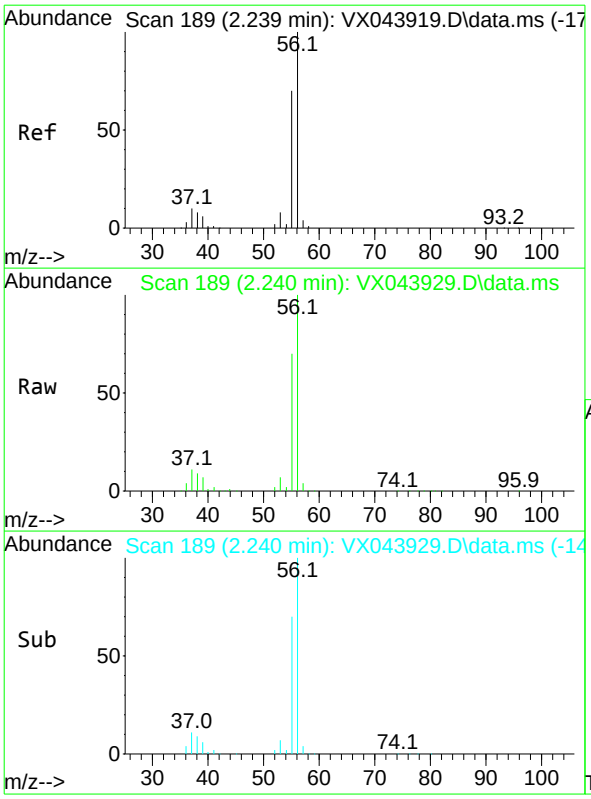


#12
1,1-Dichloroethene
Concen: 109.868 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111

Ion	Ratio	Lower	Upper
96	100		
61	174.9	124.6	187.0
98	61.9	49.0	73.6

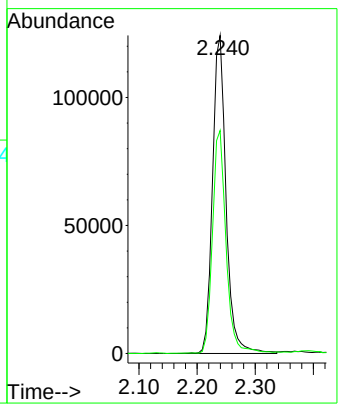




#13
Acrolein
Concen: 530.320 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 200929

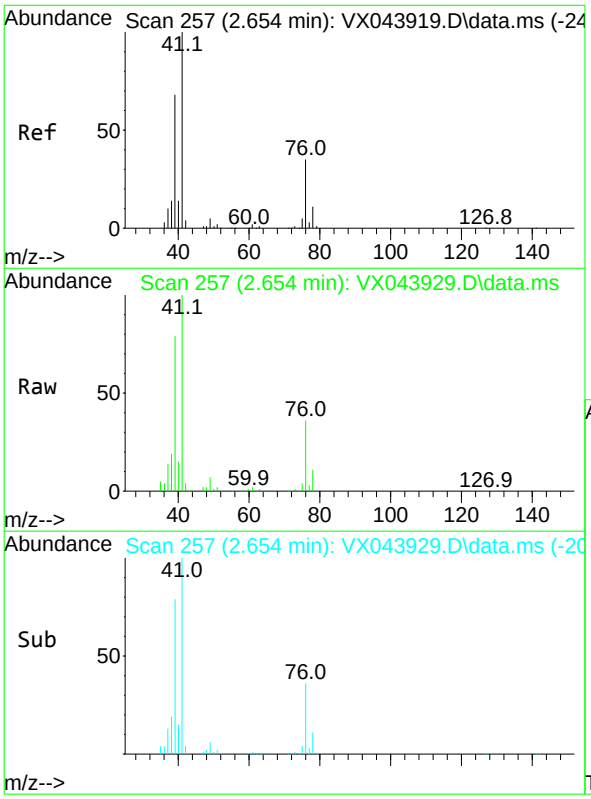
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

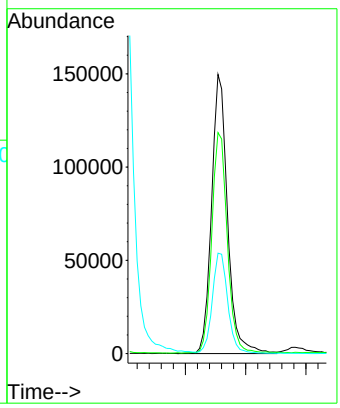
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

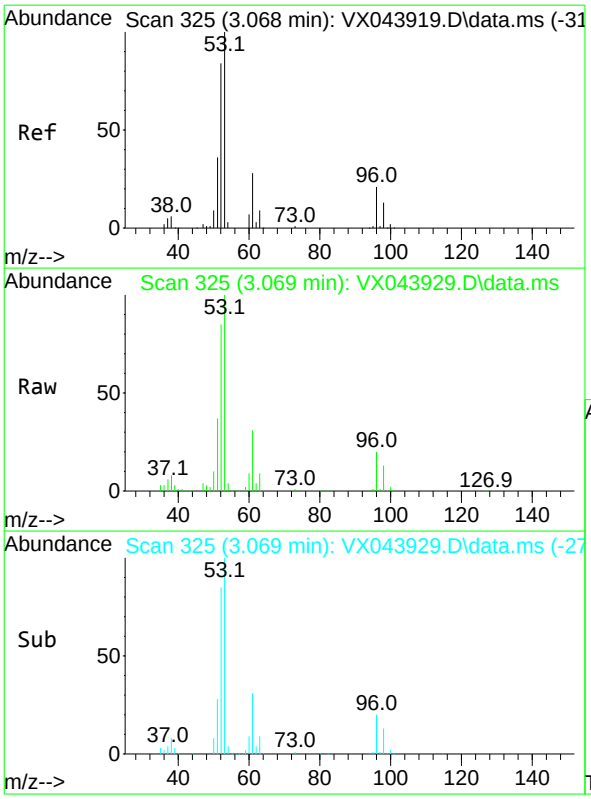


#14
Allyl chloride
Concen: 118.320 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 276068

Ion	Ratio	Lower	Upper
41	100		
39	76.5	51.7	77.5
76	34.8	28.2	42.2

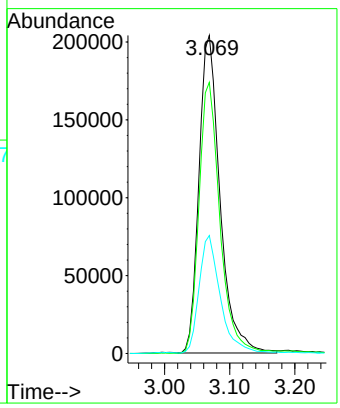




#15
Acrylonitrile
Concen: 527.361 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 53 Resp: 458624

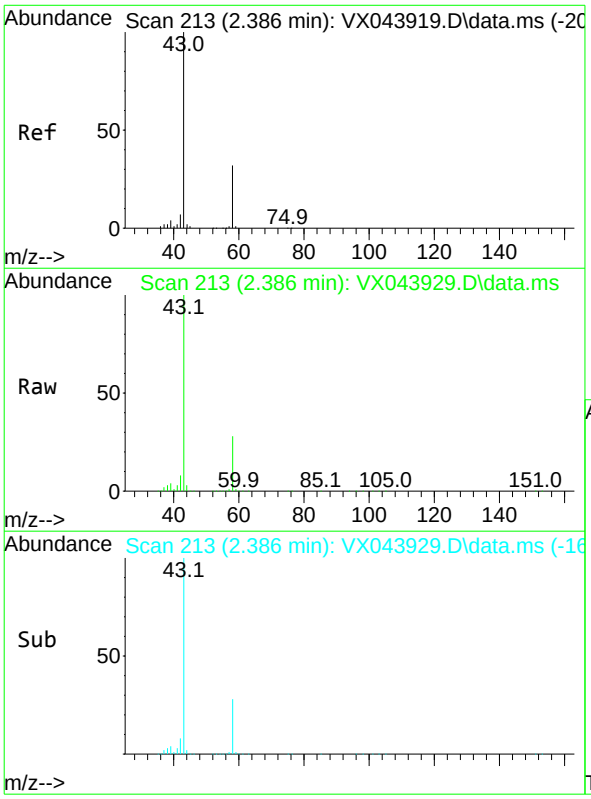
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.8
51	37.0	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

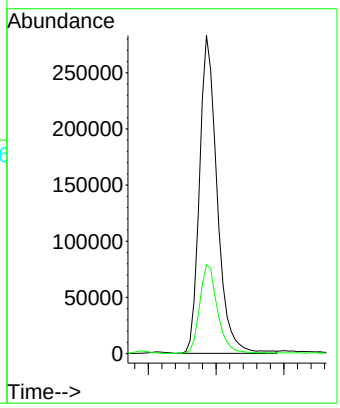
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

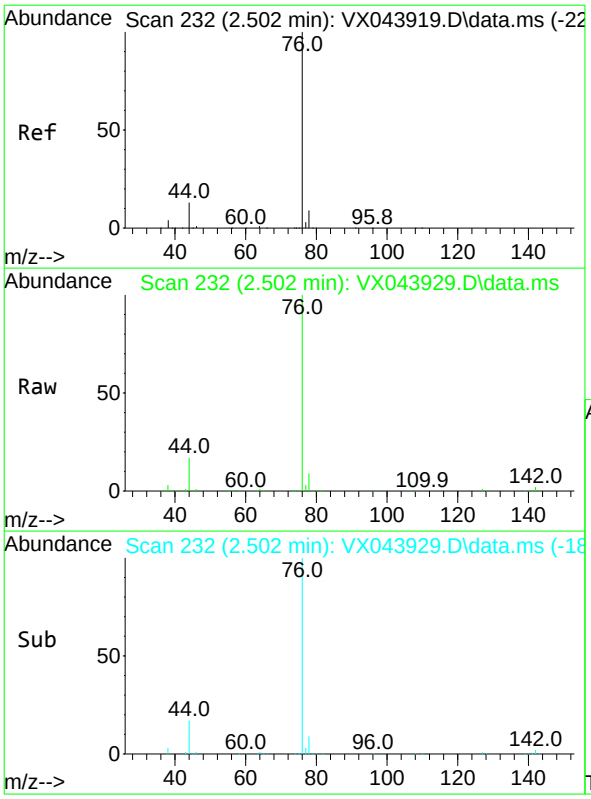


#16
Acetone
Concen: 598.985 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6

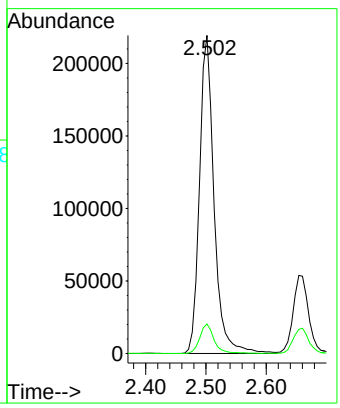




#17
Carbon Disulfide
Concen: 117.100 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 367958

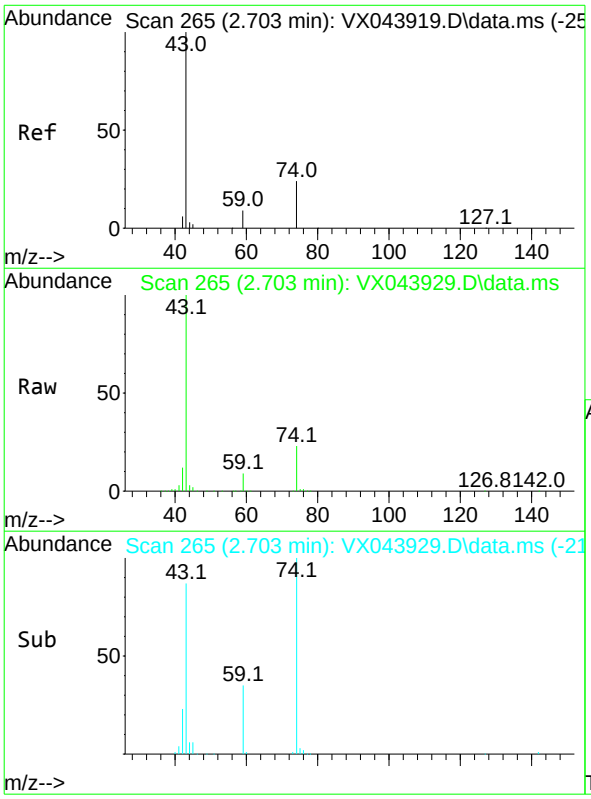
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

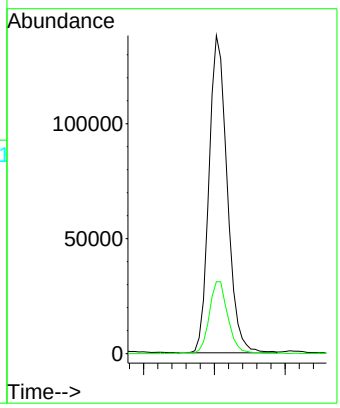
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

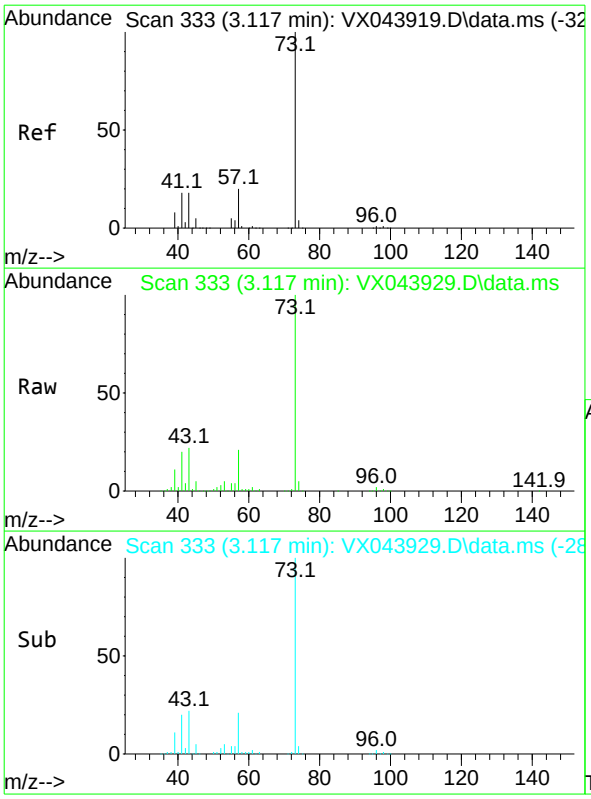


#18
Methyl Acetate
Concen: 105.800 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

Ion	Ratio	Lower	Upper
43	100		
74	23.3	20.1	30.1

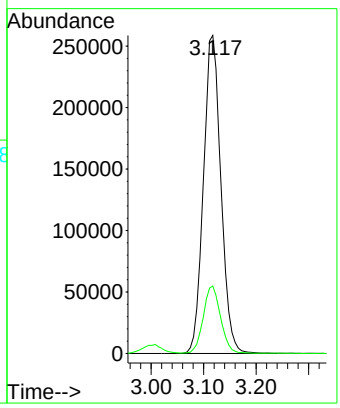




#19
Methyl tert-butyl Ether
Concen: 112.347 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 73 Resp: 597600

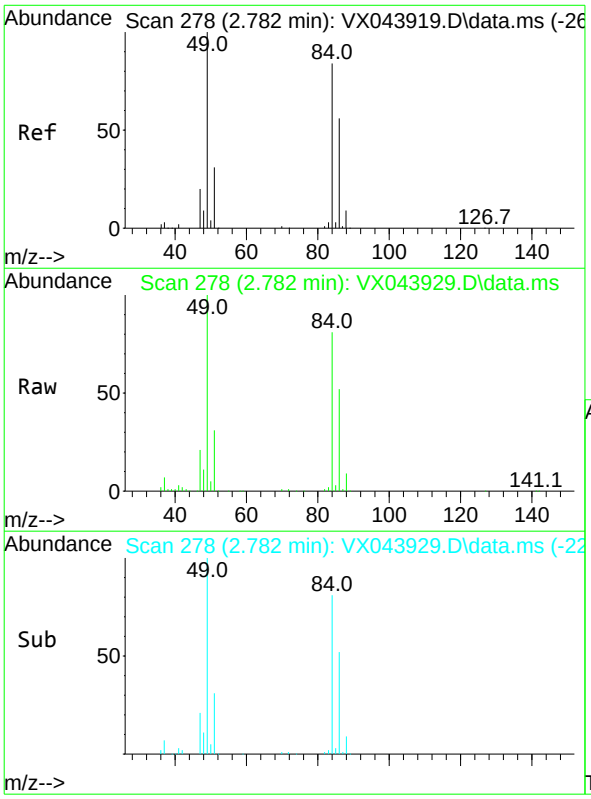
Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

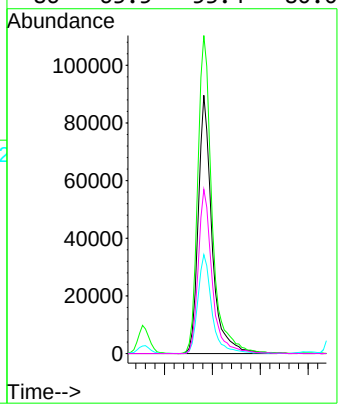
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

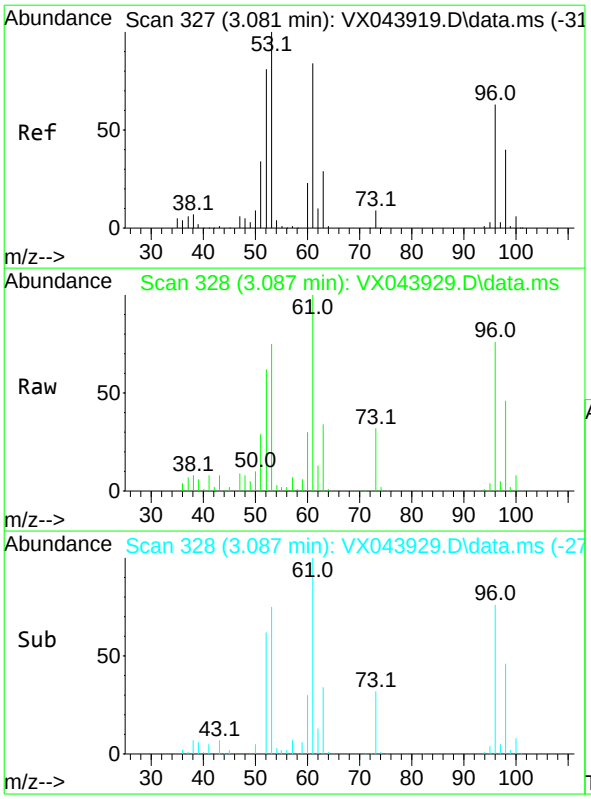


#20
Methylene Chloride
Concen: 99.663 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

Ion	Ratio	Lower	Upper
84	100		
49	123.1	95.1	142.7
51	38.3	29.2	43.8
86	63.5	53.4	80.0

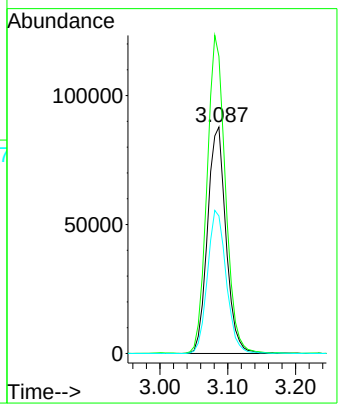




#21
trans-1,2-Dichloroethene
Concen: 105.798 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 165989

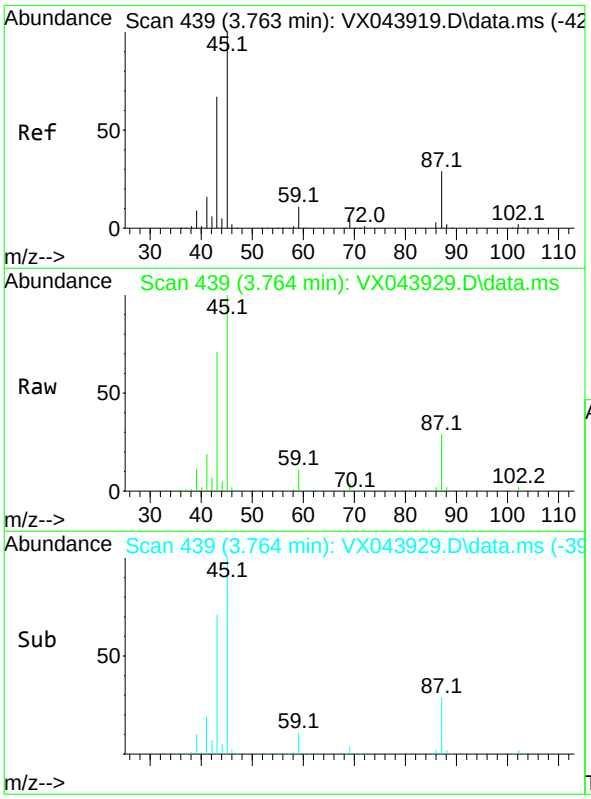
Ion	Ratio	Lower	Upper
96	100		
61	131.1	106.4	159.6
98	60.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

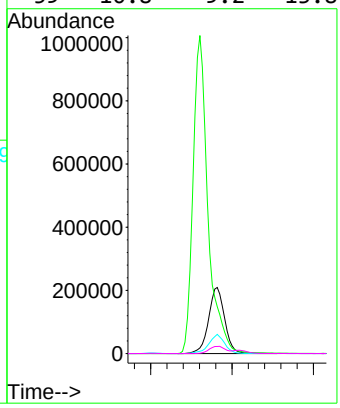
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

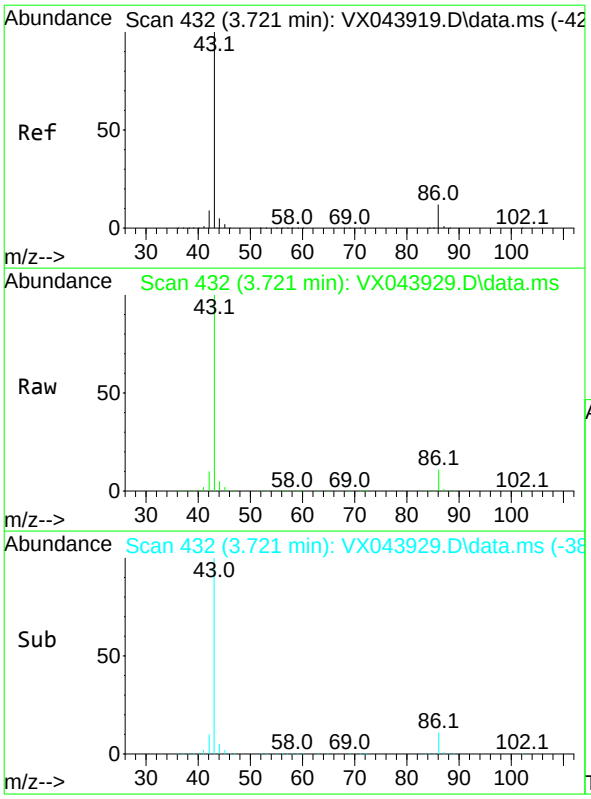


#22
Diisopropyl ether
Concen: 112.380 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

Ion	Ratio	Lower	Upper
45	100		
43	71.1	53.8	80.6
87	29.1	23.4	35.2
59	10.8	9.2	13.8

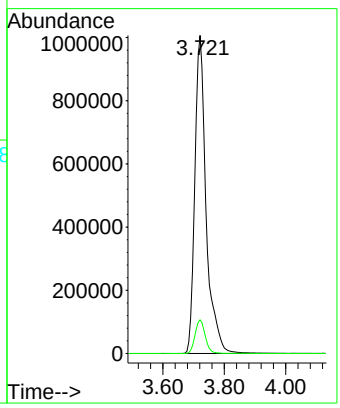




#23
Vinyl Acetate
Concen: 622.111 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 2570419

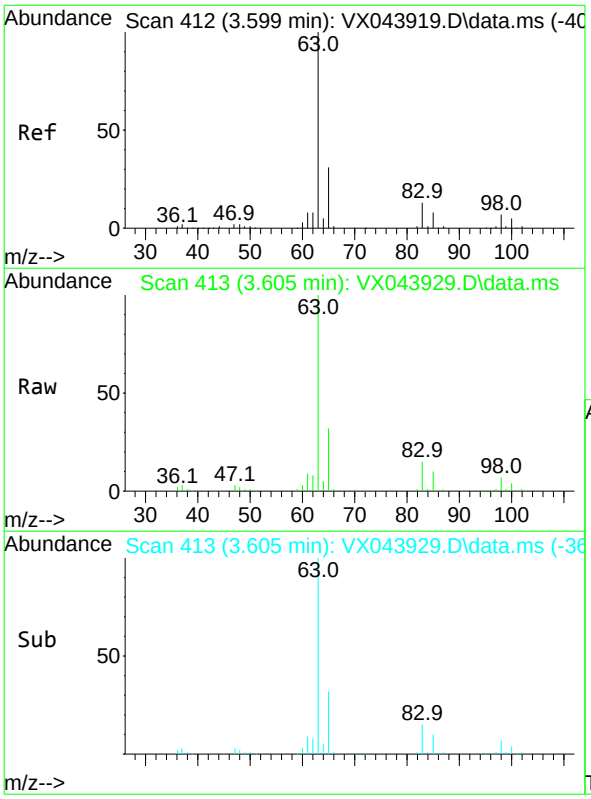
Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

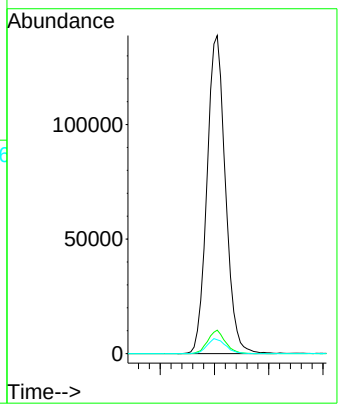
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

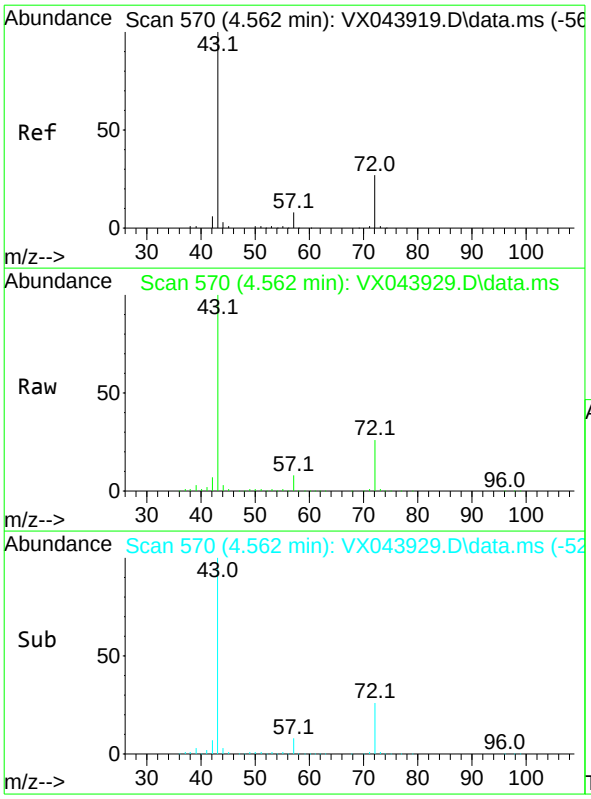


#24
1,1-Dichloroethane
Concen: 109.327 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.4	7.2

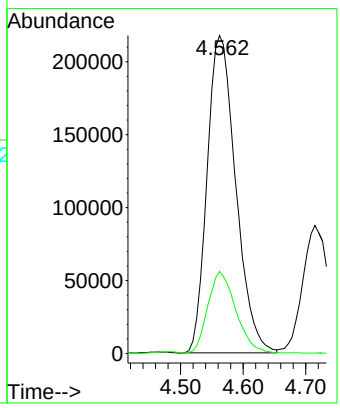




#25
2-Butanone
Concen: 578.867 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 690992

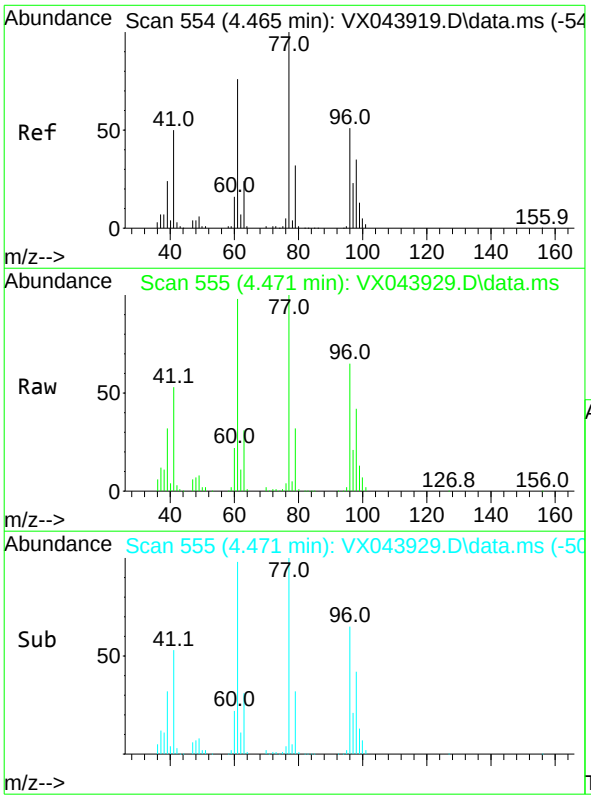
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

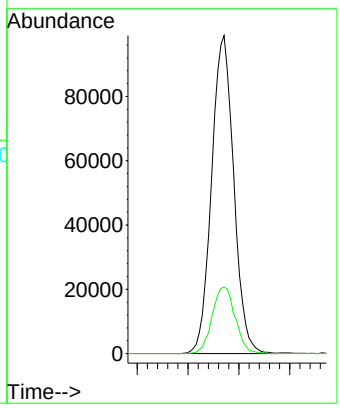
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

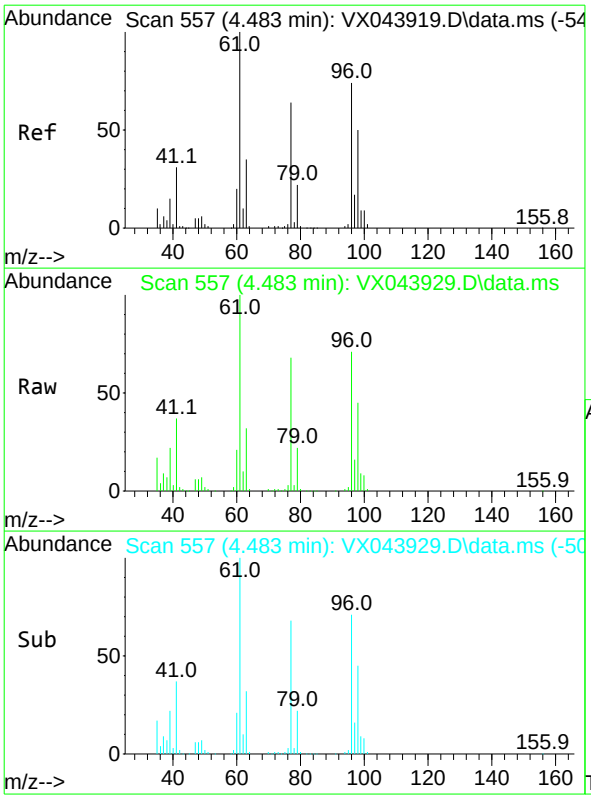


#26
2,2-Dichloropropane
Concen: 121.468 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.7	35.1

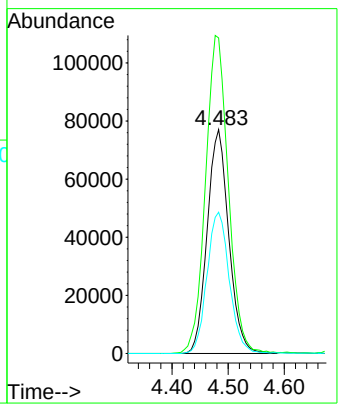




#27
cis-1,2-Dichloroethene
Concen: 105.613 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 206207

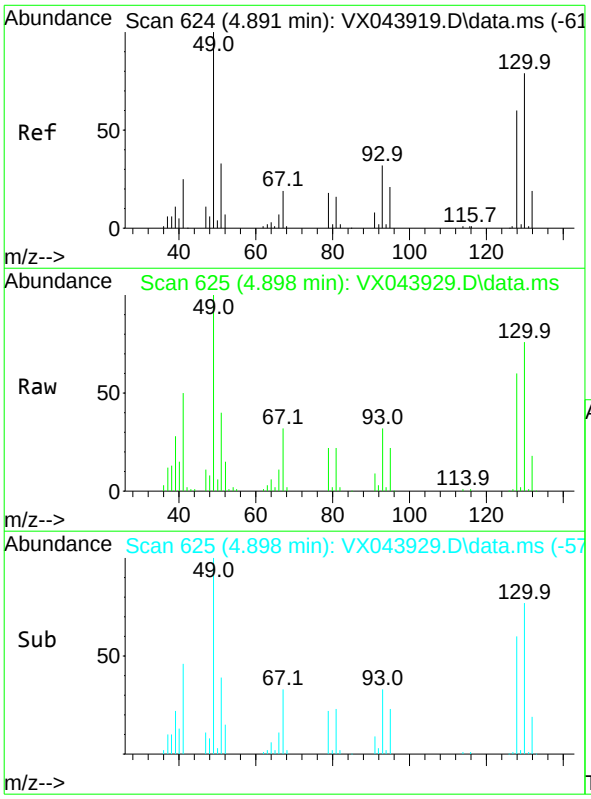
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	279.4
98	65.1	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

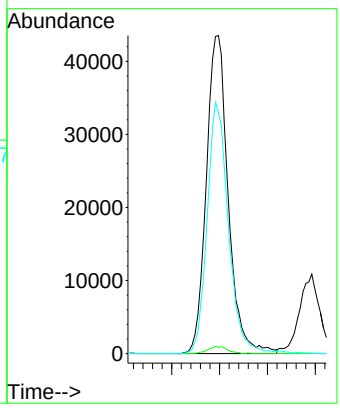
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

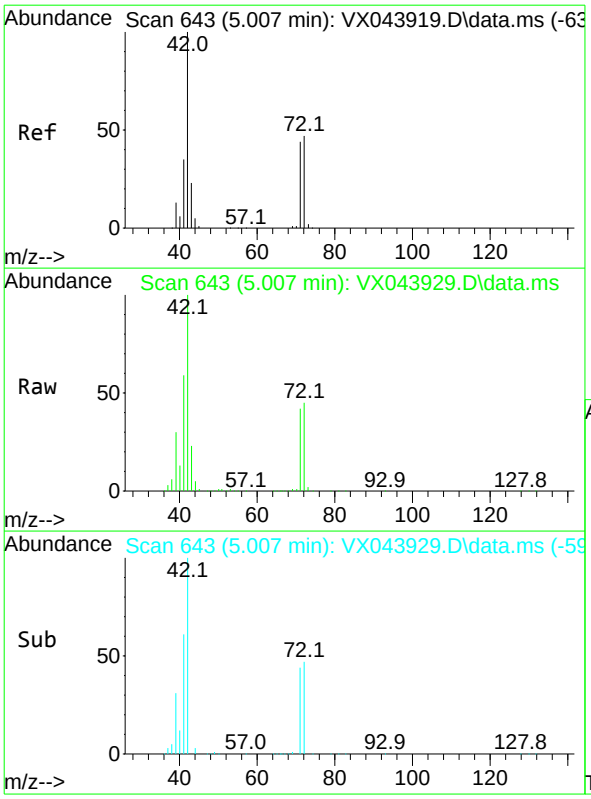


#28
Bromochloromethane
Concen: 109.575 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	76.5	68.2	102.2

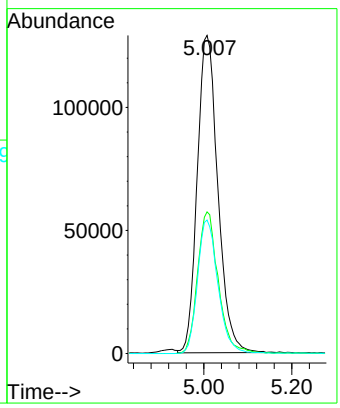




#29
Tetrahydrofuran
Concen: 543.649 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 42 Resp: 419337

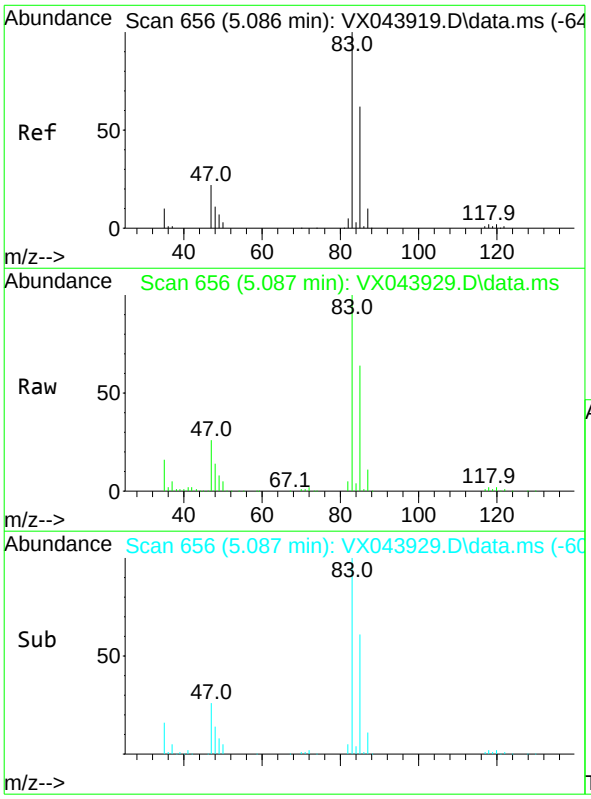
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.9	56.9
71	41.6	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

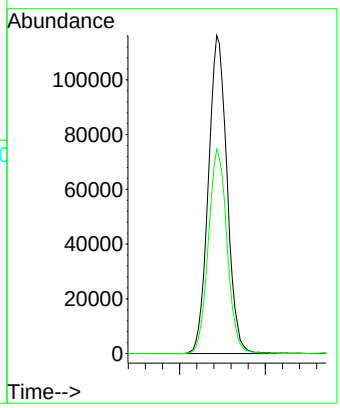
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

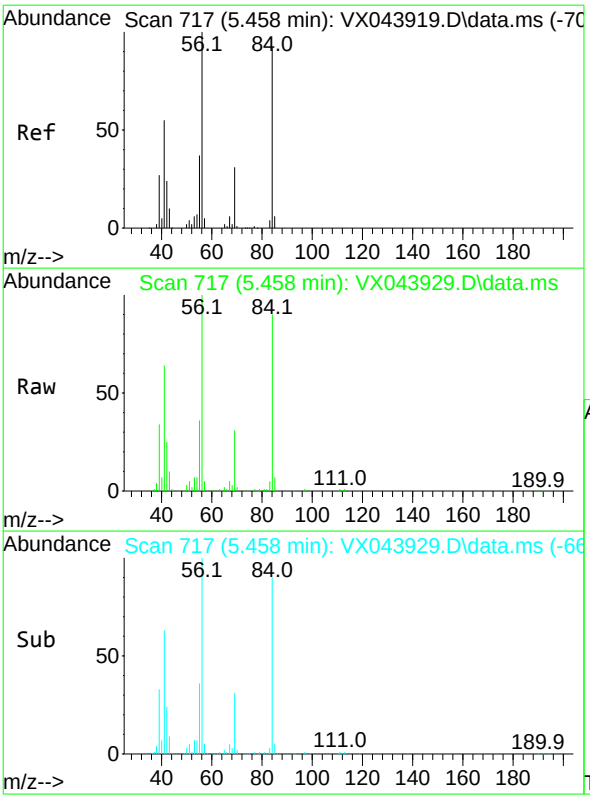


#30
Chloroform
Concen: 112.294 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.7	74.5

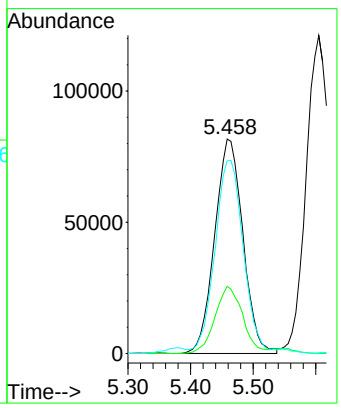




#31
Cyclohexane
Concen: 105.404 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 256114

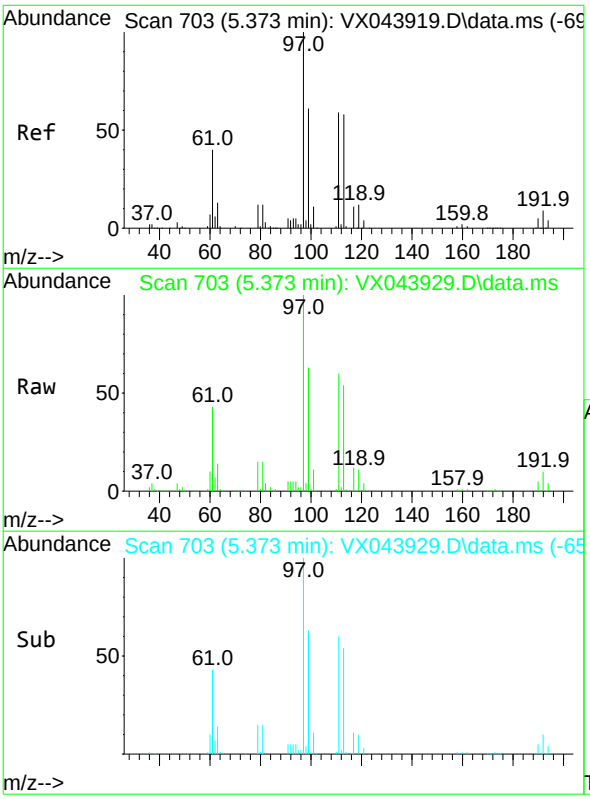
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	88.2	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

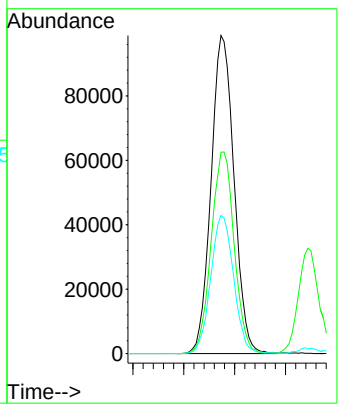
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

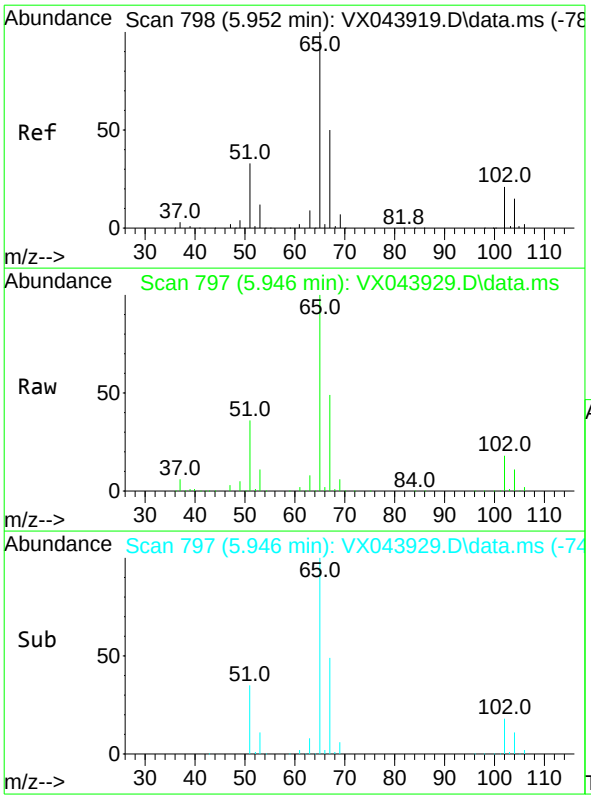


#32
1,1,1-Trichloroethane
Concen: 115.841 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	43.4	32.9	49.3

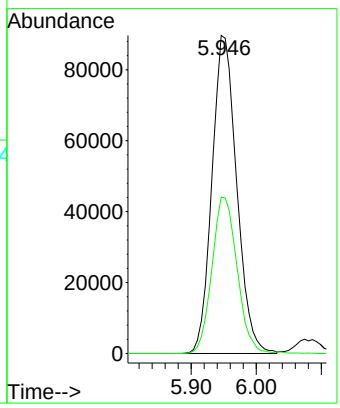




#33
1,2-Dichloroethane-d4
Concen: 111.333 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 65 Resp: 236531

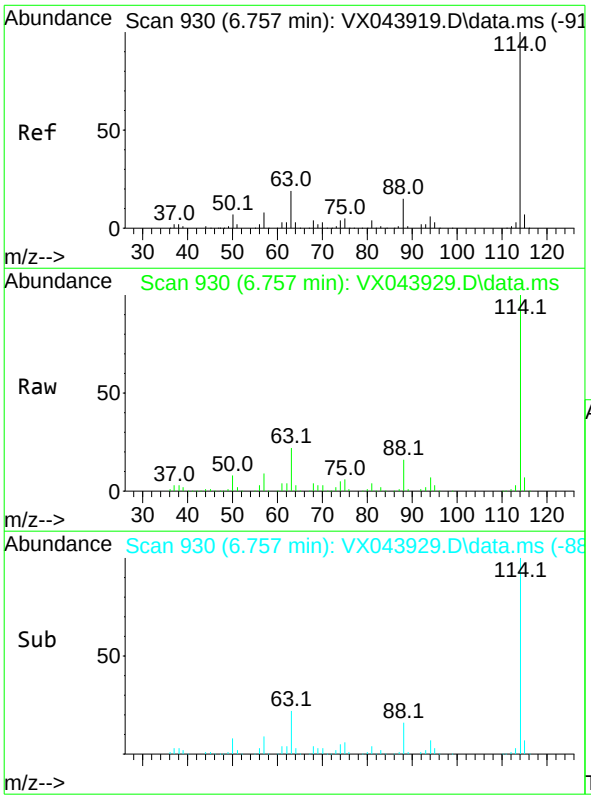
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

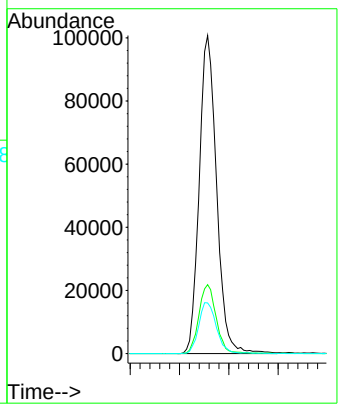
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

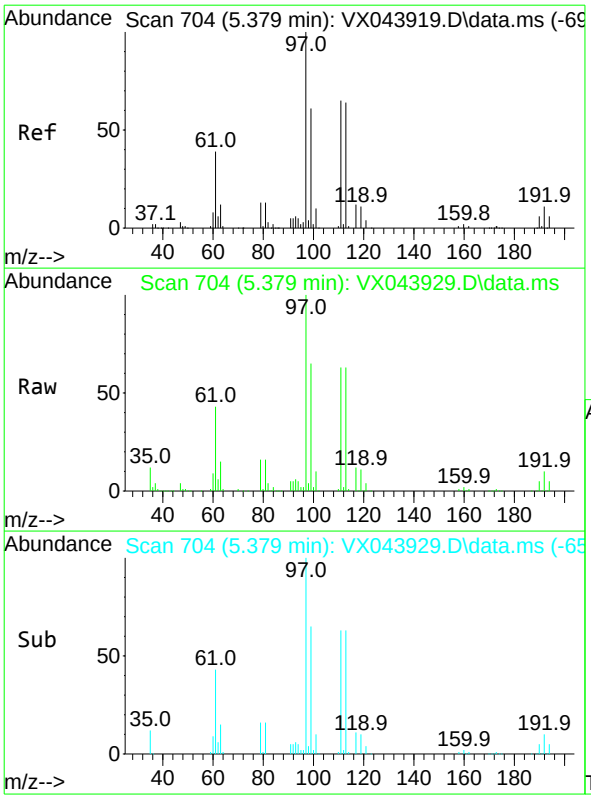


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.0
88	15.9	0.0	30.2

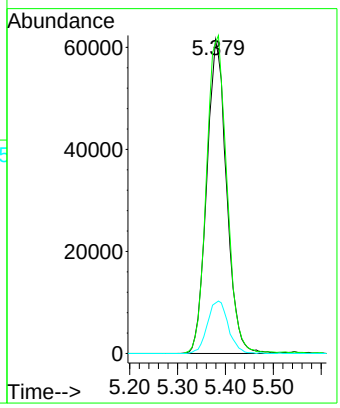




#35
Dibromofluoromethane
Concen: 106.893 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:113 Resp: 176869

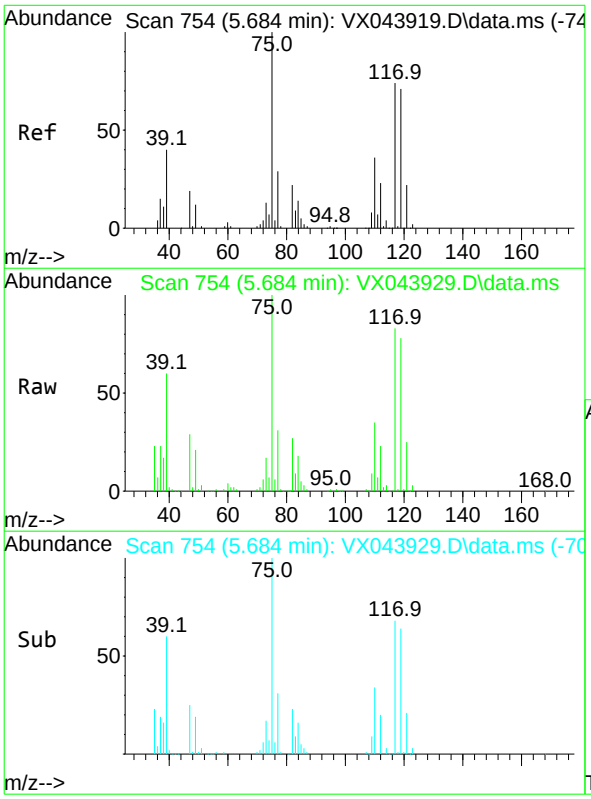
Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.0	121.6
192	17.6	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

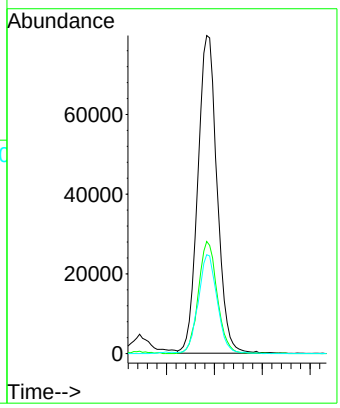
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

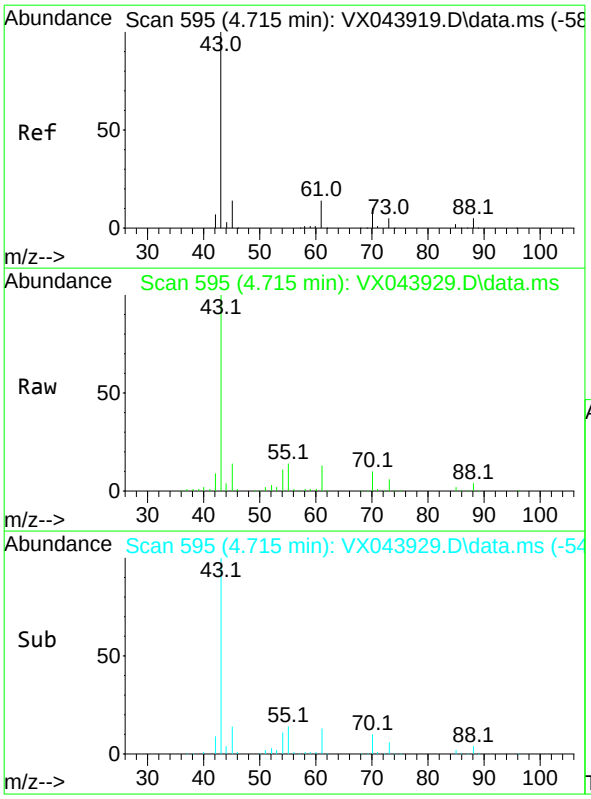


#36
1,1-Dichloropropene
Concen: 107.931 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 222573

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.5	52.5
77	30.8	24.9	37.3

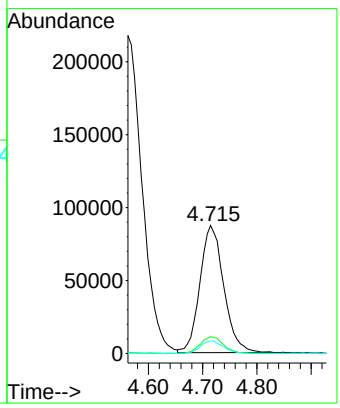




#37
Ethyl Acetate
Concen: 114.453 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 265631

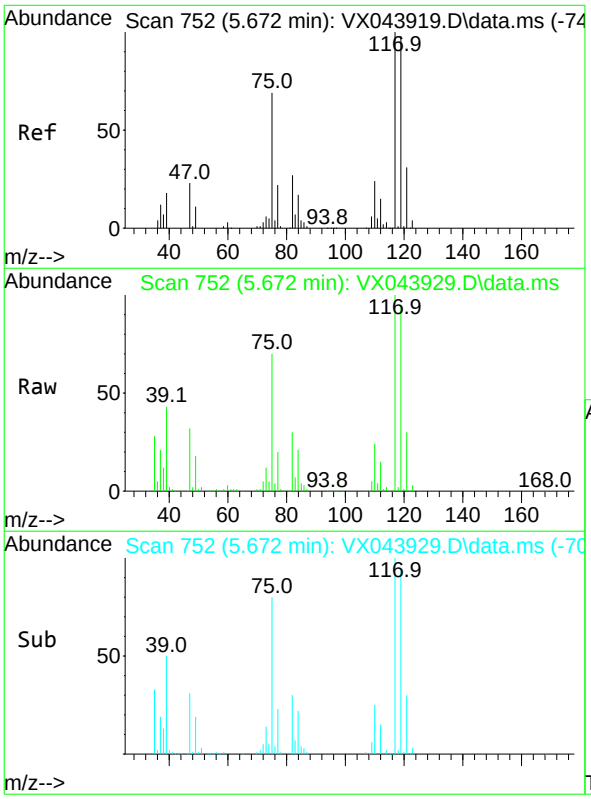
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	9.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

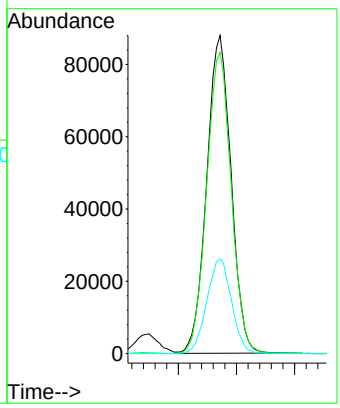
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

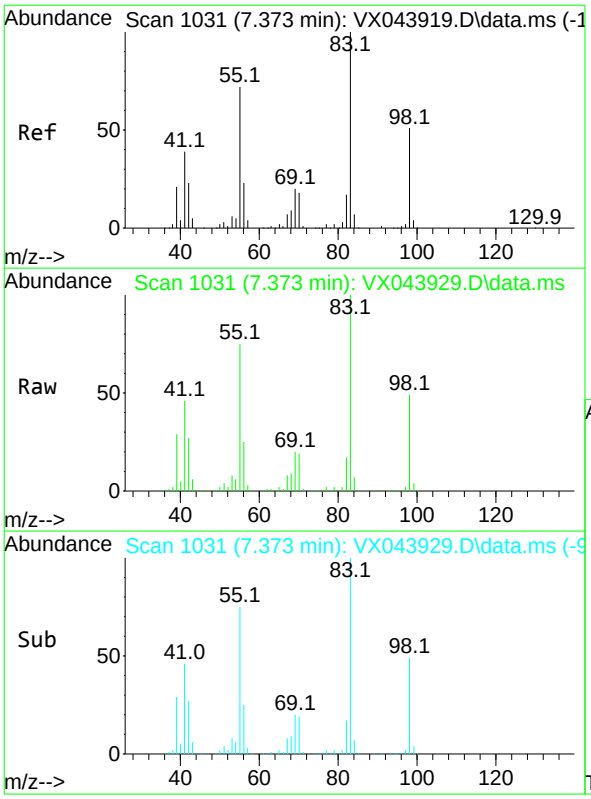


#38
Carbon Tetrachloride
Concen: 117.390 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 256290

Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.3	117.5
121	29.8	25.1	37.7

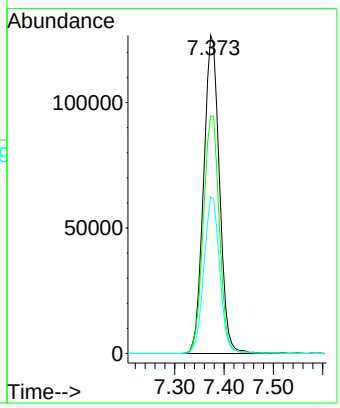




#39
Methylcyclohexane
Concen: 109.652 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 283075

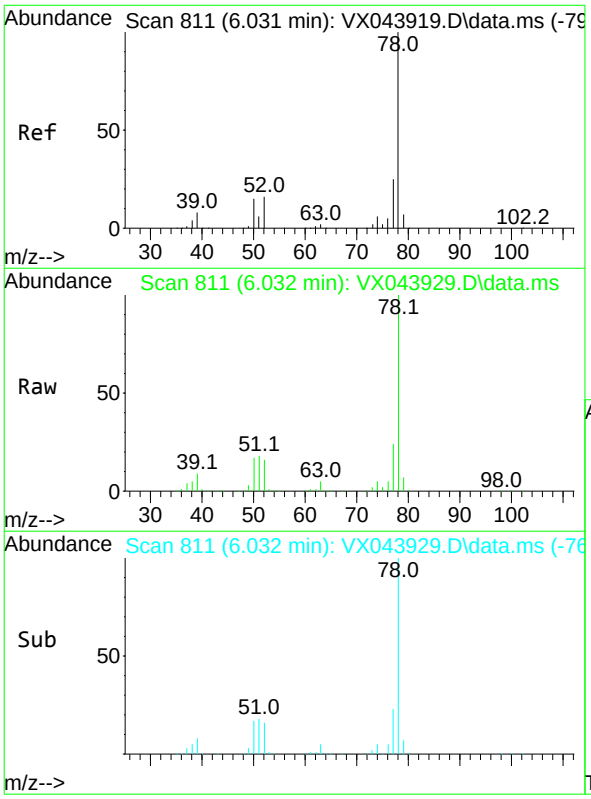
Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.9	86.9
98	49.2	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

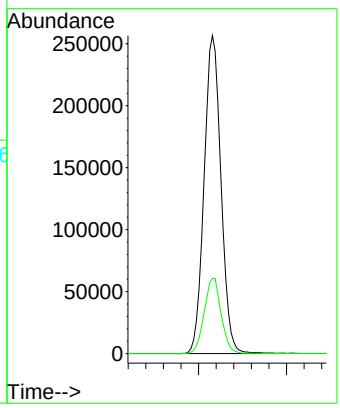
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

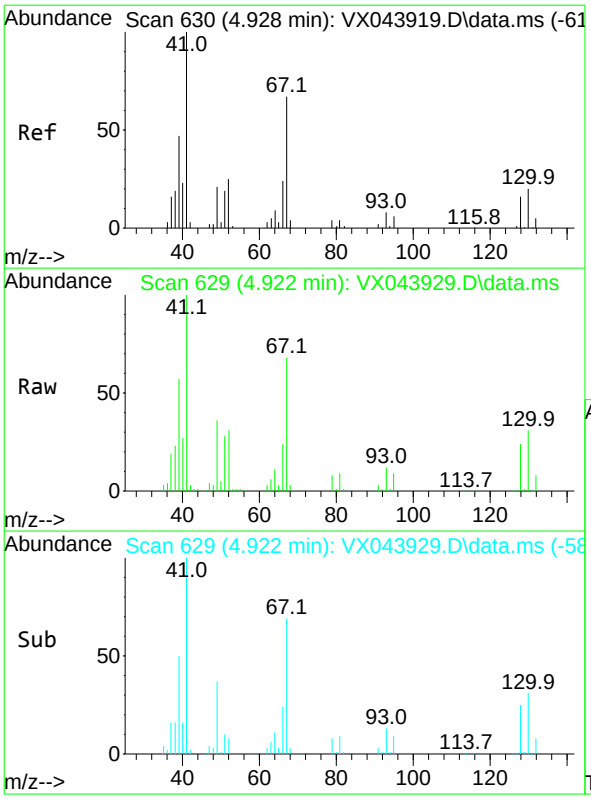


#40
Benzene
Concen: 105.520 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.8

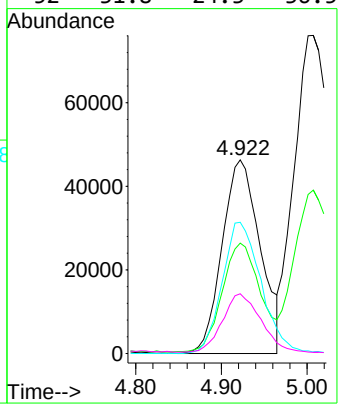




#41
Methacrylonitrile
Concen: 118.447 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 143256

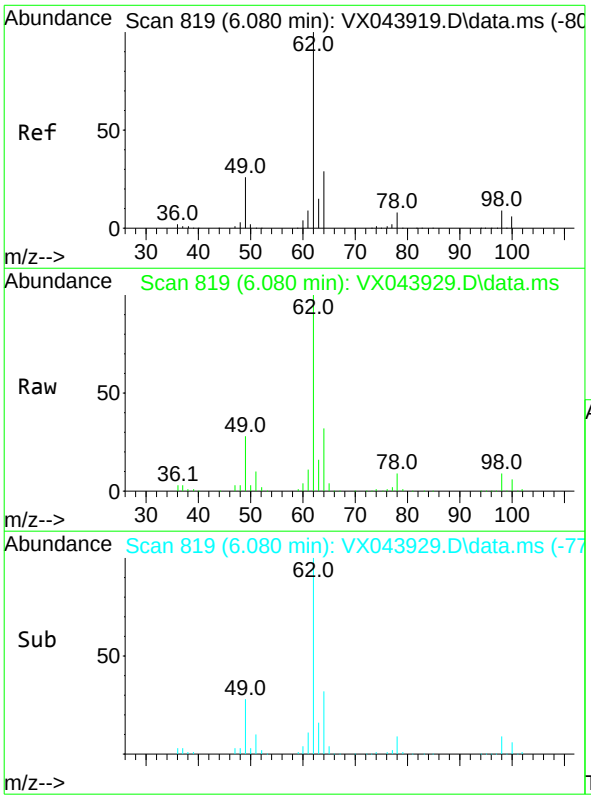
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.2	61.8
67	69.3	60.3	90.5
52	31.8	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

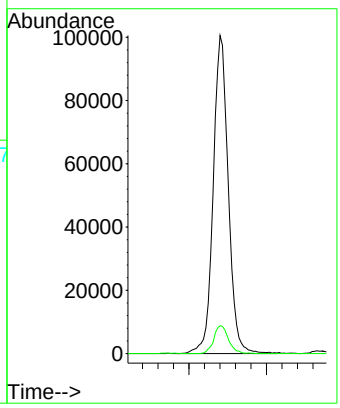
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

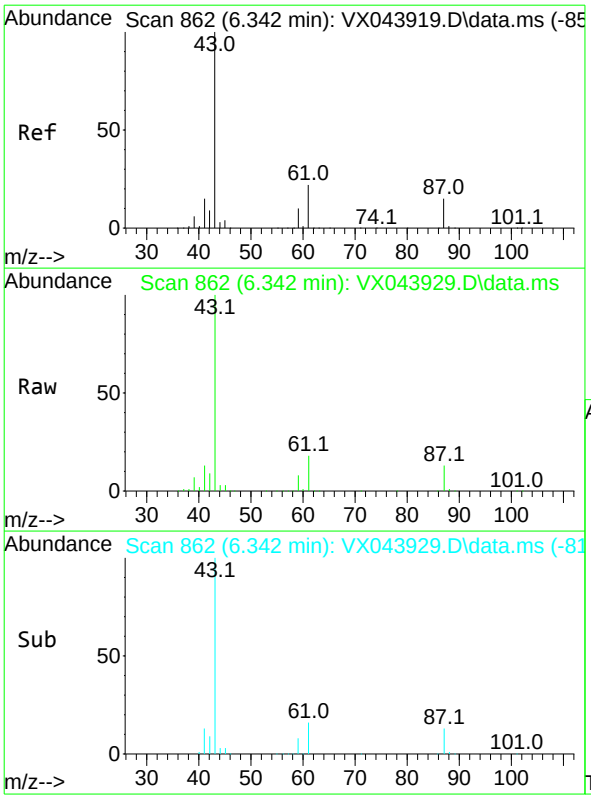


#42
1,2-Dichloroethane
Concen: 115.387 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6

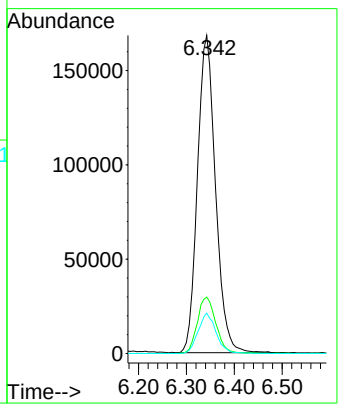




#43
Isopropyl Acetate
Concen: 120.346 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 440615

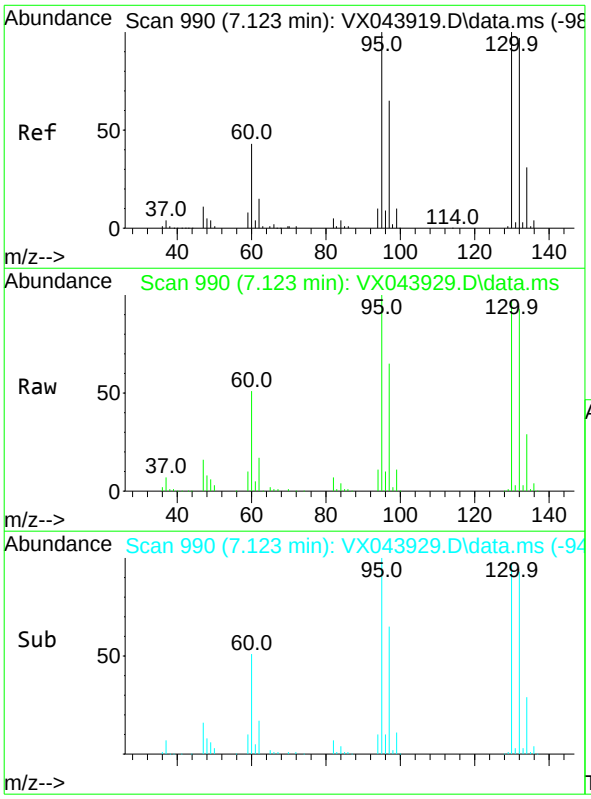
Ion	Ratio	Lower	Upper
43	100		
61	18.3	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

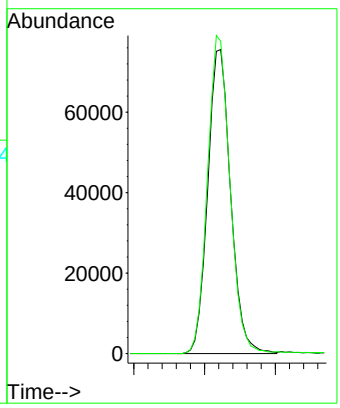
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

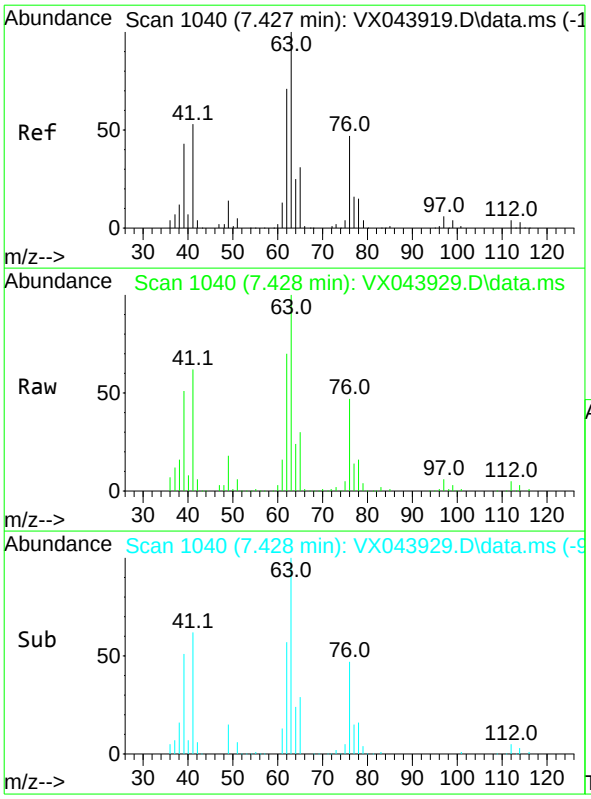


#44
Trichloroethene
Concen: 94.997 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	200.8

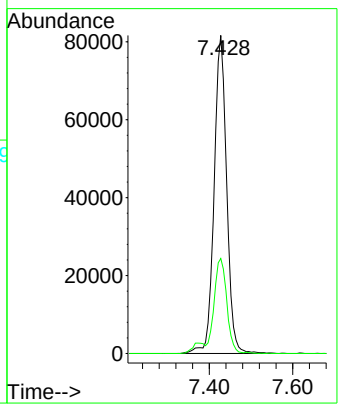




#45
1,2-Dichloropropane
Concen: 107.450 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 170741

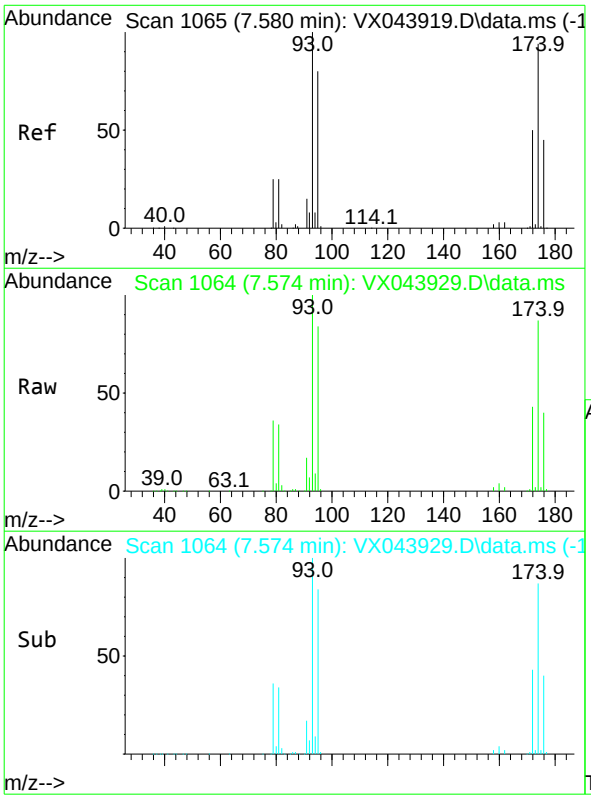
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

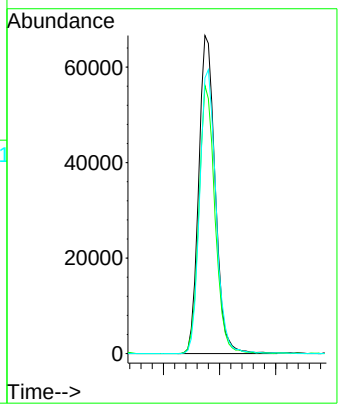
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

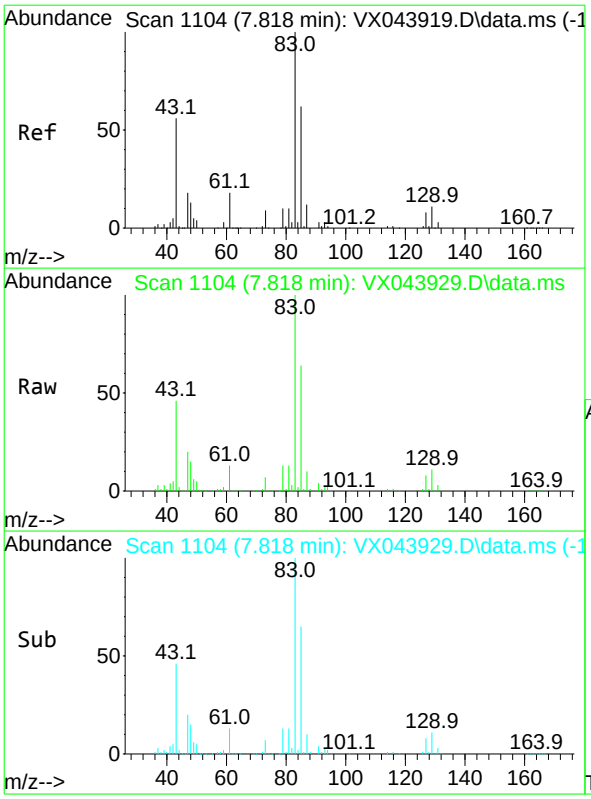


#46
Dibromomethane
Concen: 113.518 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 93 Resp: 135928

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.1	99.1
174	88.2	75.2	112.8

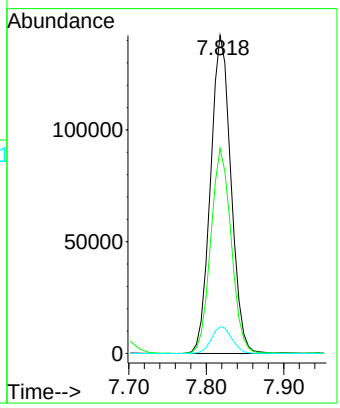




#47
Bromodichloromethane
Concen: 123.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 260442

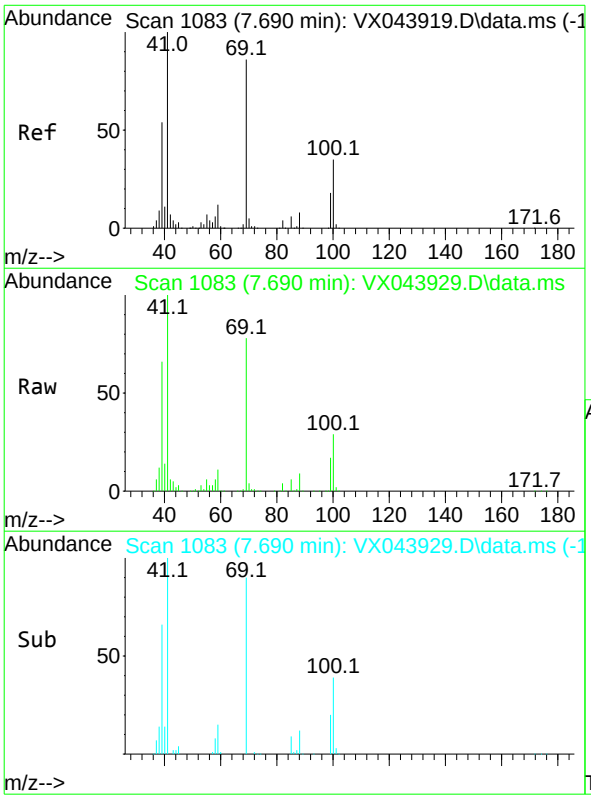
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.0
127	8.4	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

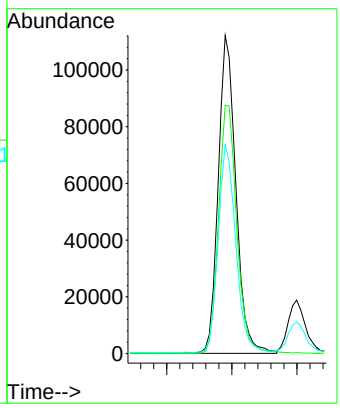
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

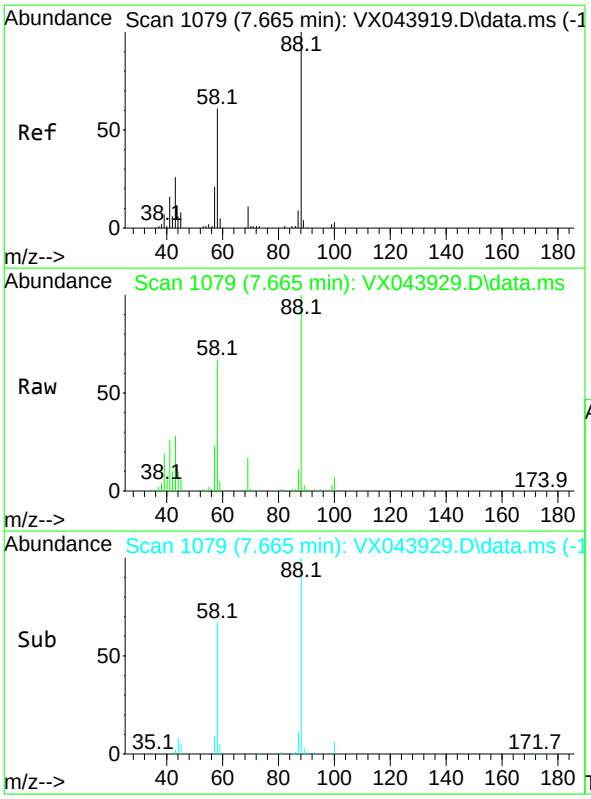


#48
Methyl methacrylate
Concen: 116.061 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614

Ion	Ratio	Lower	Upper
41	100		
69	81.2	72.1	108.1
39	65.6	43.8	65.8

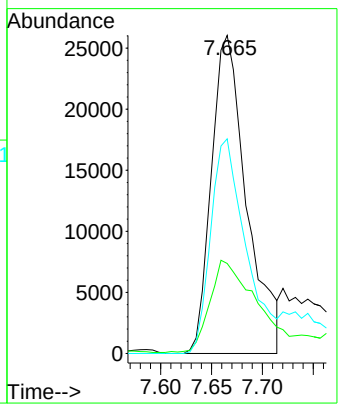




#49
1,4-Dioxane
Concen: 1625.913 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 88 Resp: 62845

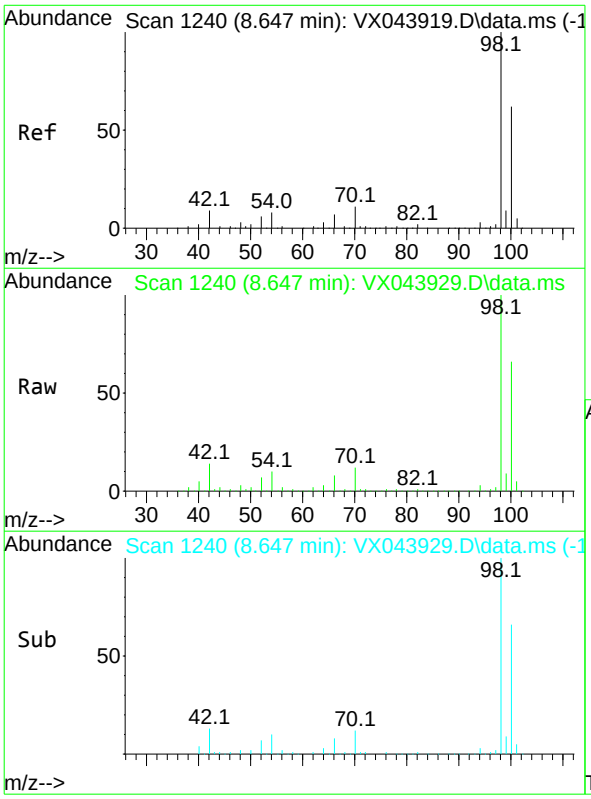
Ion	Ratio	Lower	Upper
88	100		
43	38.8	17.4	26.0#
58	67.9	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

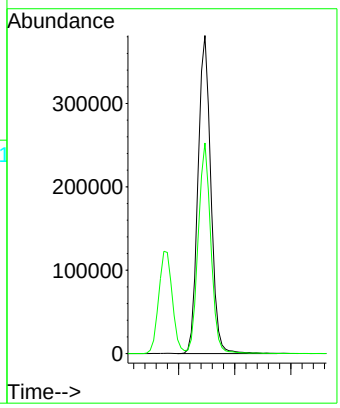
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

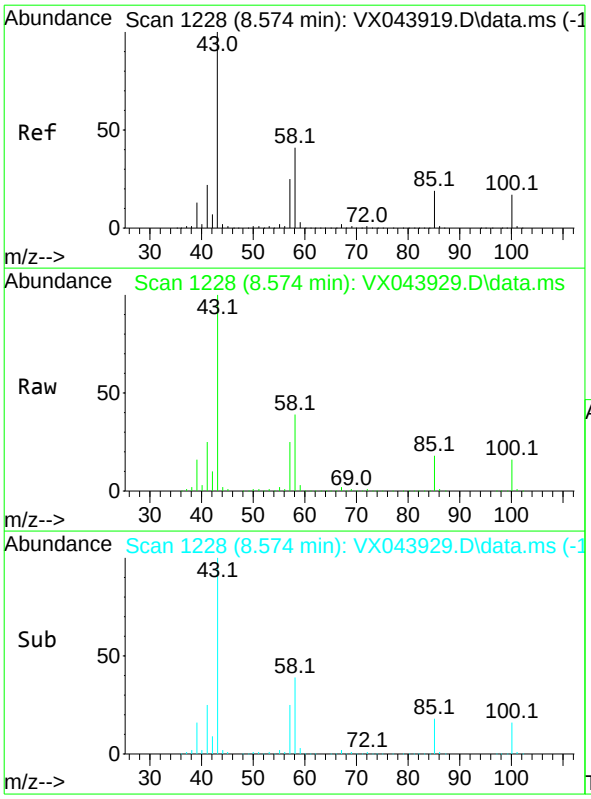


#50
Toluene-d8
Concen: 109.870 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.0	79.6

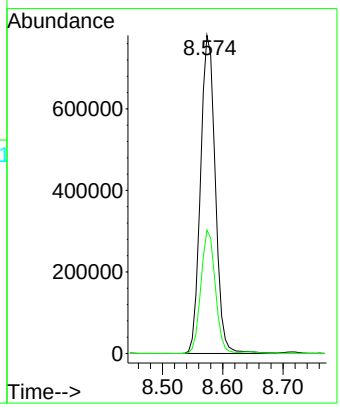




#51
4-Methyl-2-Pentanone
Concen: 582.189 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1329064

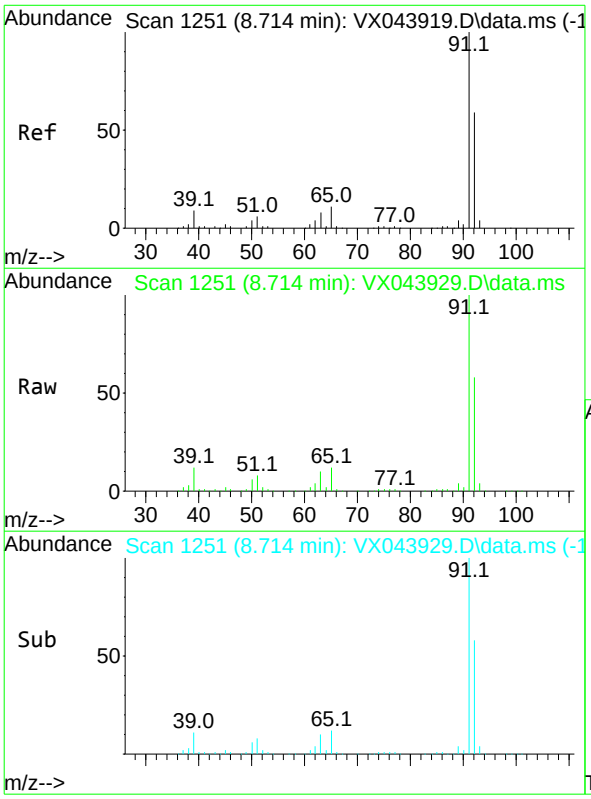
Ion	Ratio	Lower	Upper
43	100		
58	37.7	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

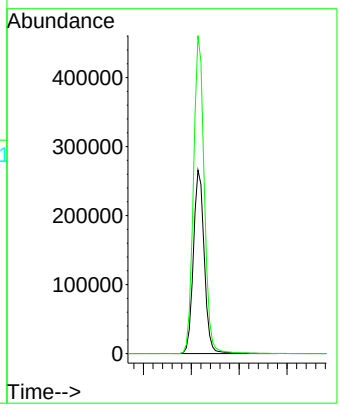
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

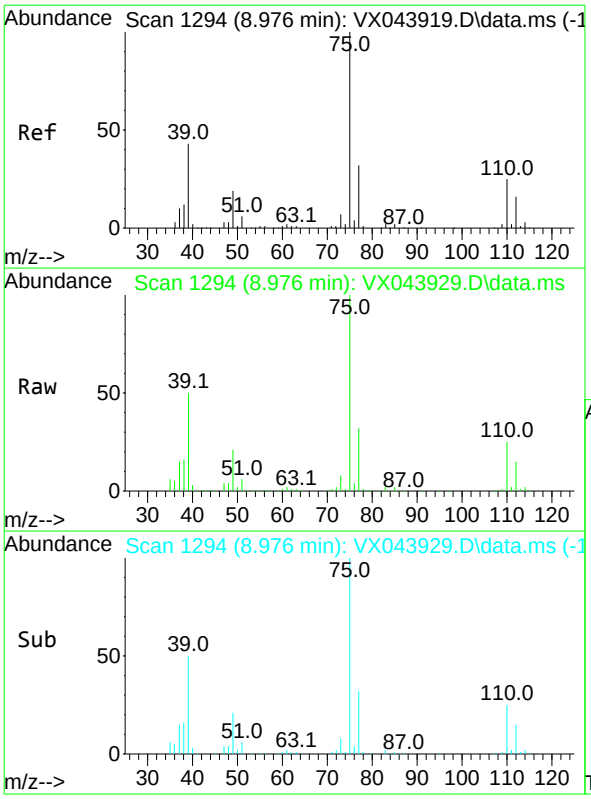


#52
Toluene
Concen: 112.018 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999

Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.2	204.4

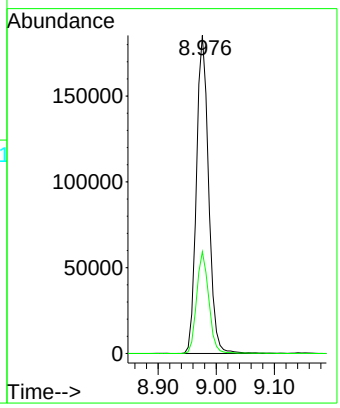




#53
t-1,3-Dichloropropene
Concen: 126.680 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 270418

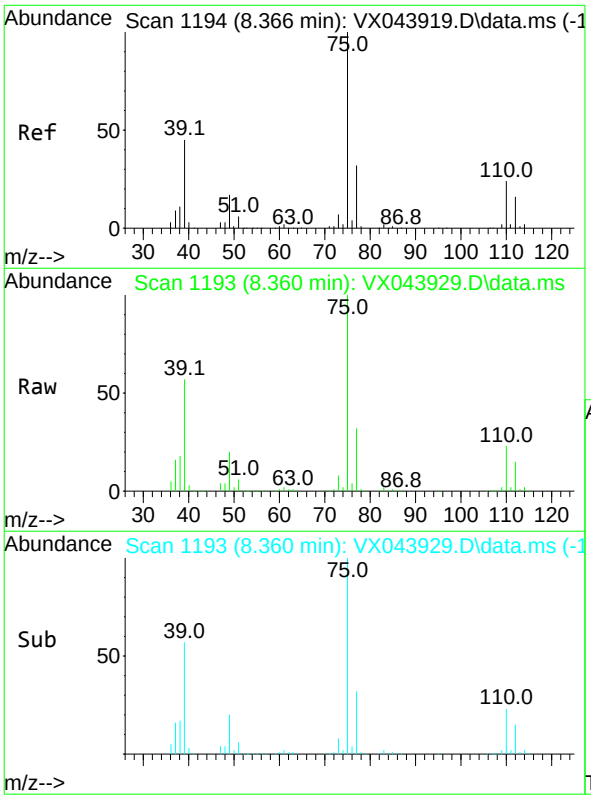
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

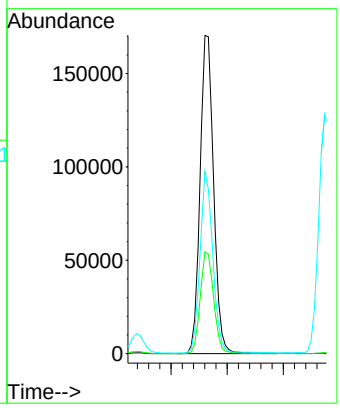
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

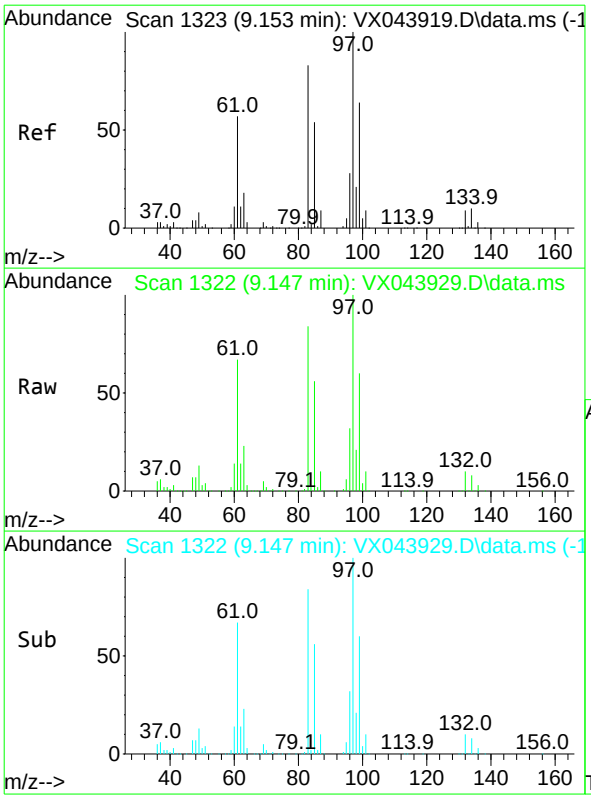


#54
cis-1,3-Dichloropropene
Concen: 118.077 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 285627

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	57.0	36.1	54.1#

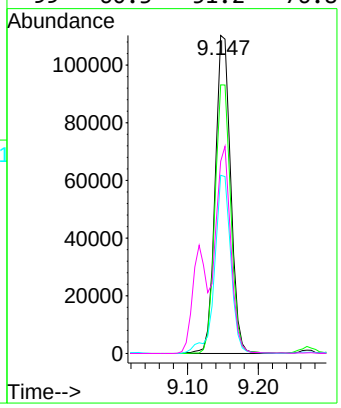




#55
1,1,2-Trichloroethane
Concen: 114.675 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 167357

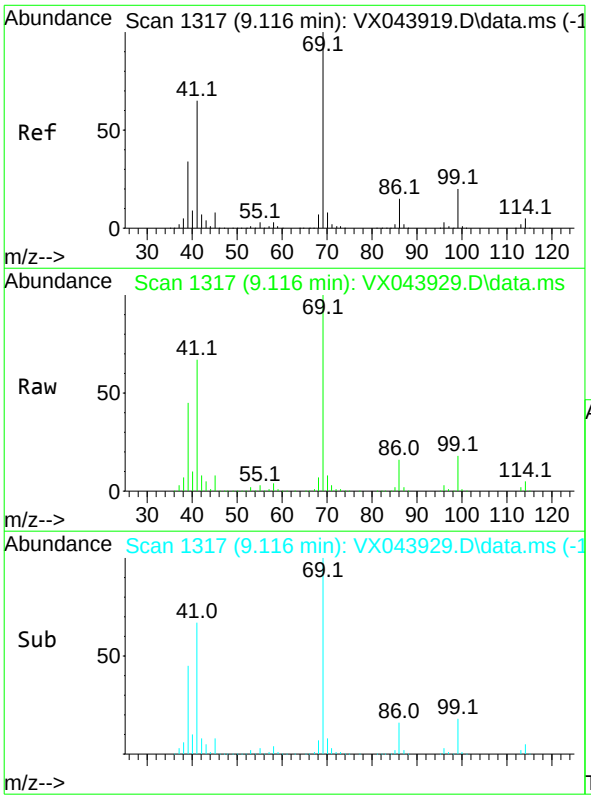
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.5	99.7
85	56.0	43.4	65.2
99	60.3	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

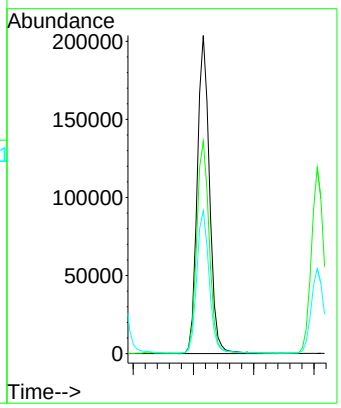
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

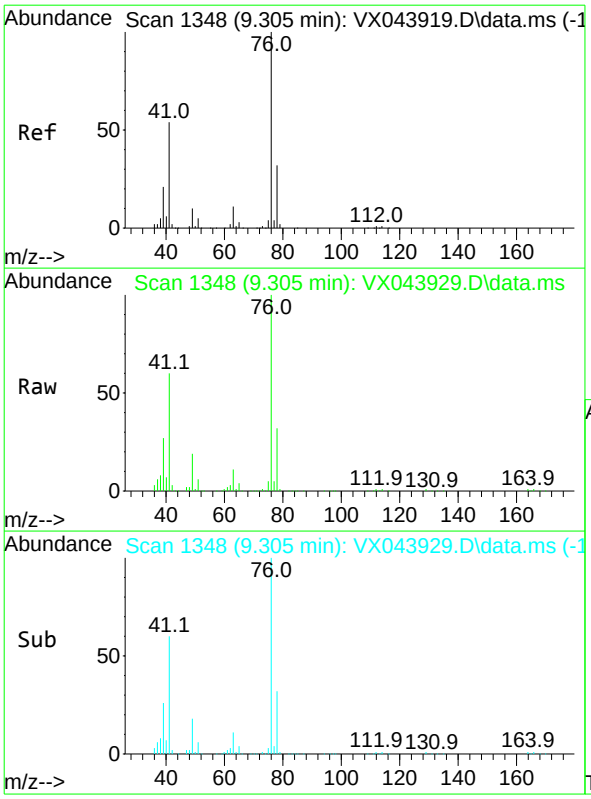


#56
Ethyl methacrylate
Concen: 124.157 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

Ion	Ratio	Lower	Upper
69	100		
41	68.0	51.7	77.5
39	45.3	26.8	40.2#

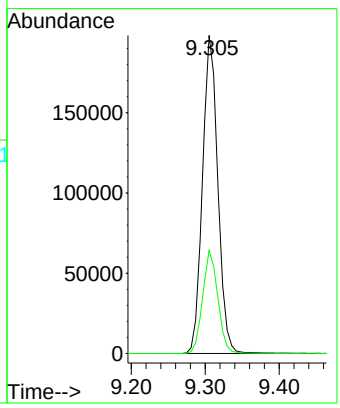




#57
1,3-Dichloropropane
Concen: 116.773 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 285511

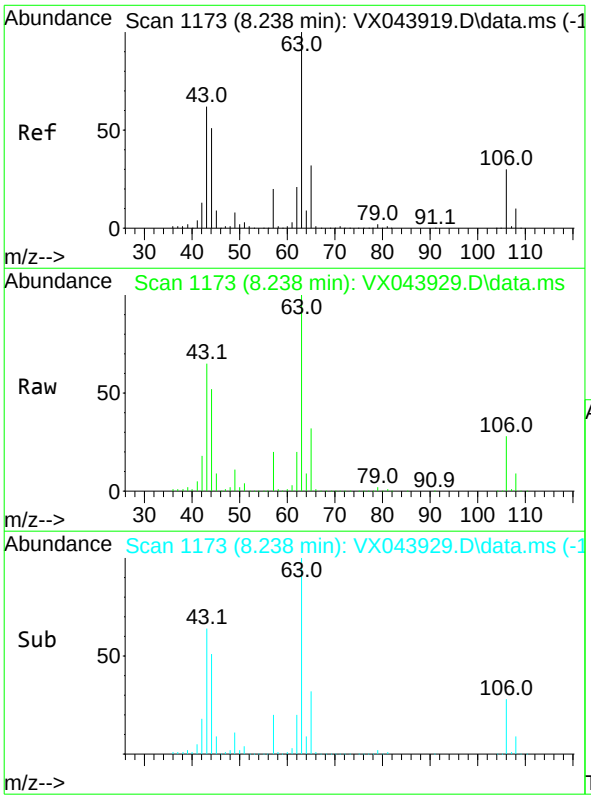
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

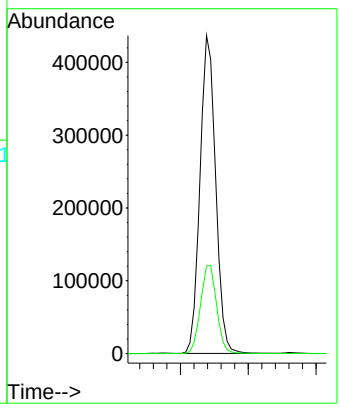
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

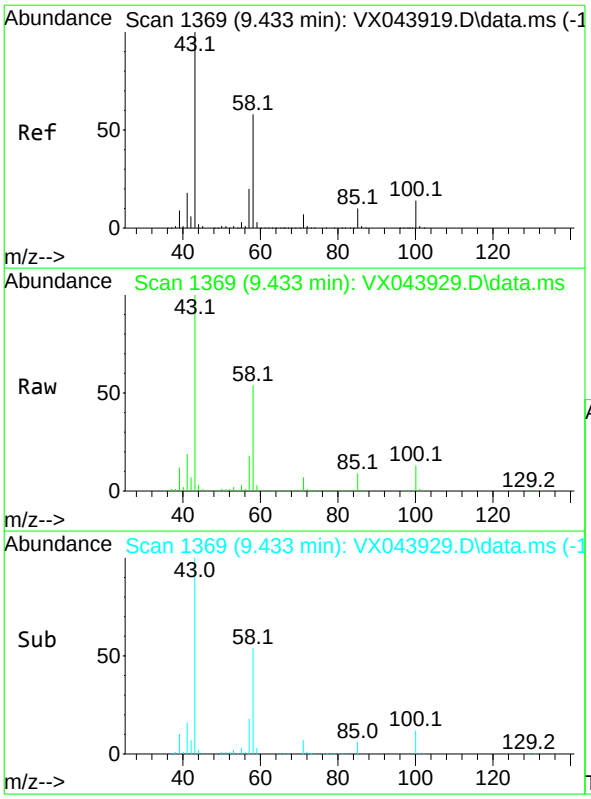


#58
2-Chloroethyl Vinyl ether
Concen: 576.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.8	35.6

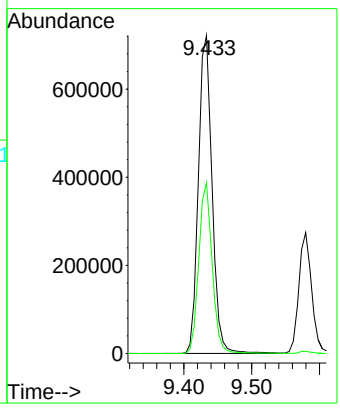




#59
2-Hexanone
Concen: 627.842 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1011261

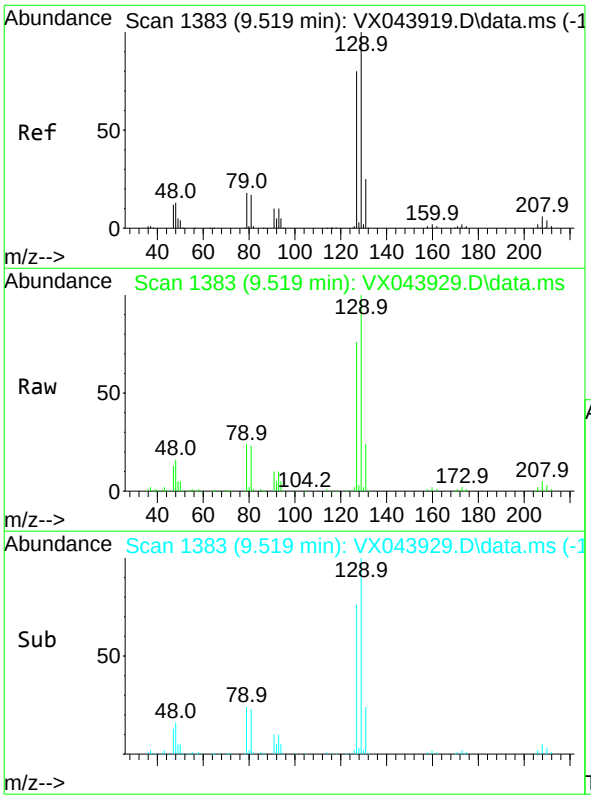
Ion	Ratio	Lower	Upper
43	100		
58	52.7	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

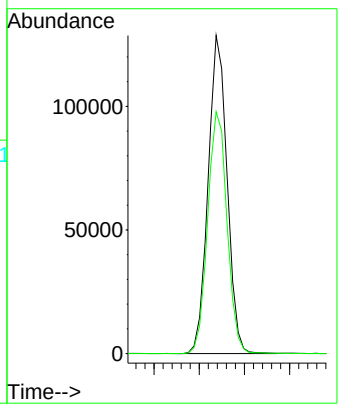
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

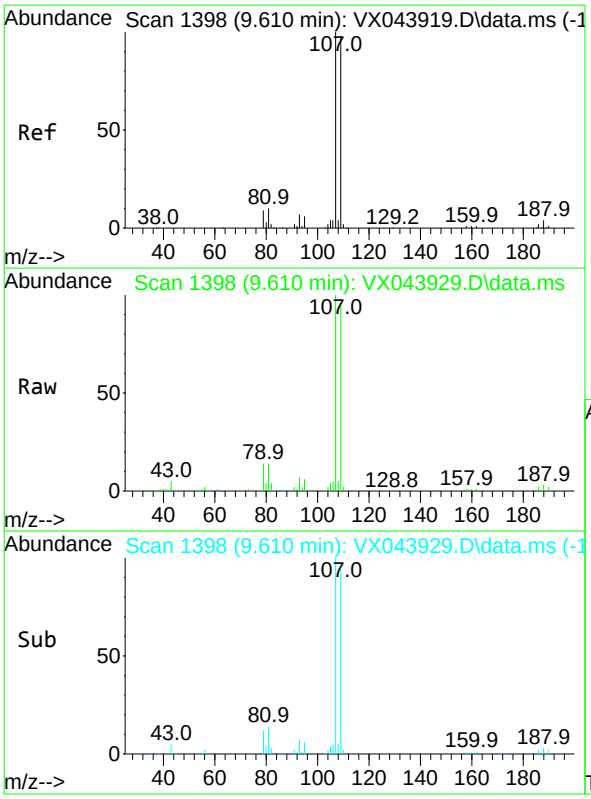


#60
Dibromochloromethane
Concen: 131.832 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8





#61
1,2-Dibromoethane
Concen: 115.841 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

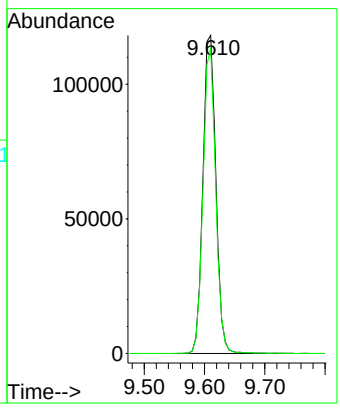
Tgt Ion:107 Resp: 176345

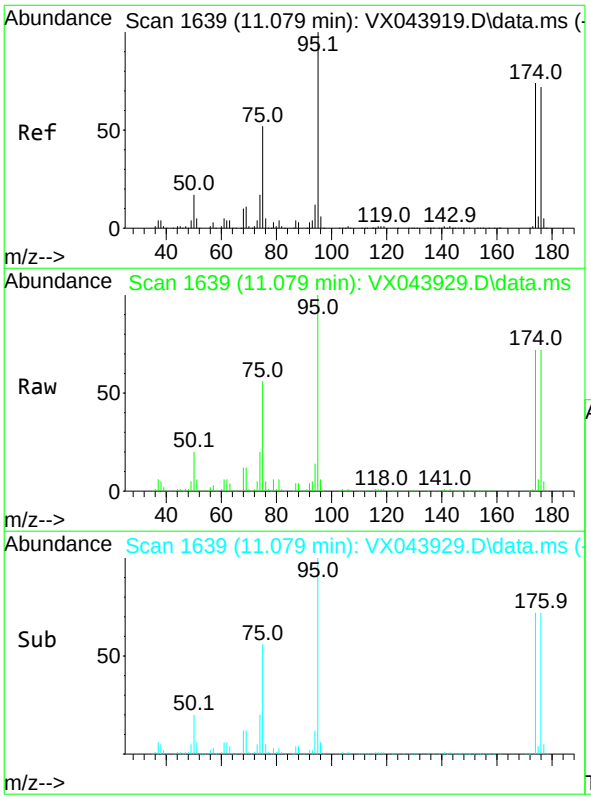
Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.2	114.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

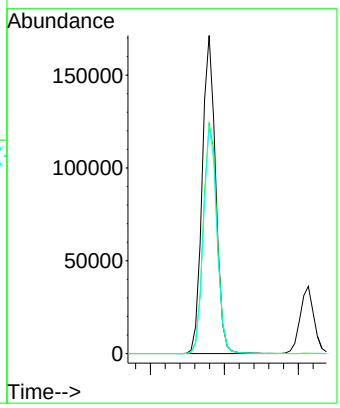


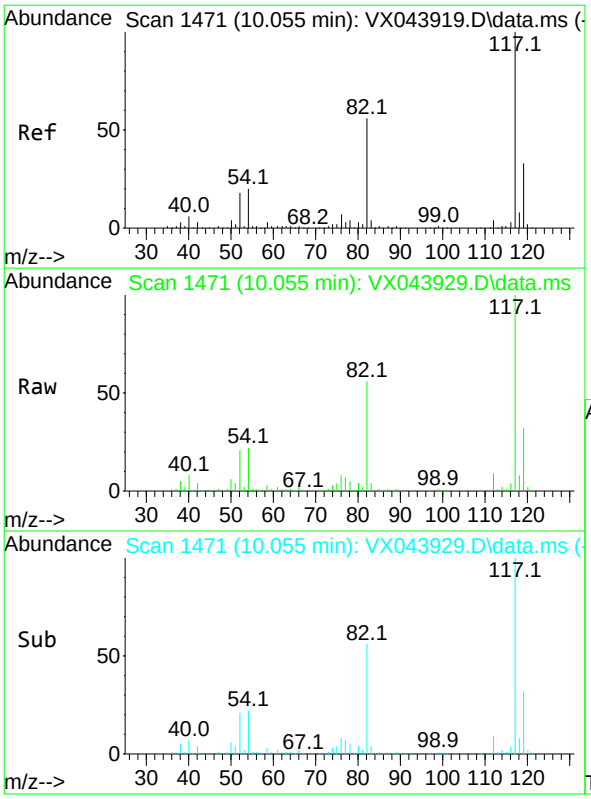


#62
4-Bromofluorobenzene
Concen: 118.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 95 Resp: 215953

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	152.2
176	71.8	0.0	145.8

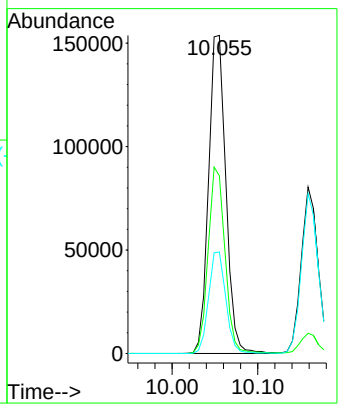




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 215595

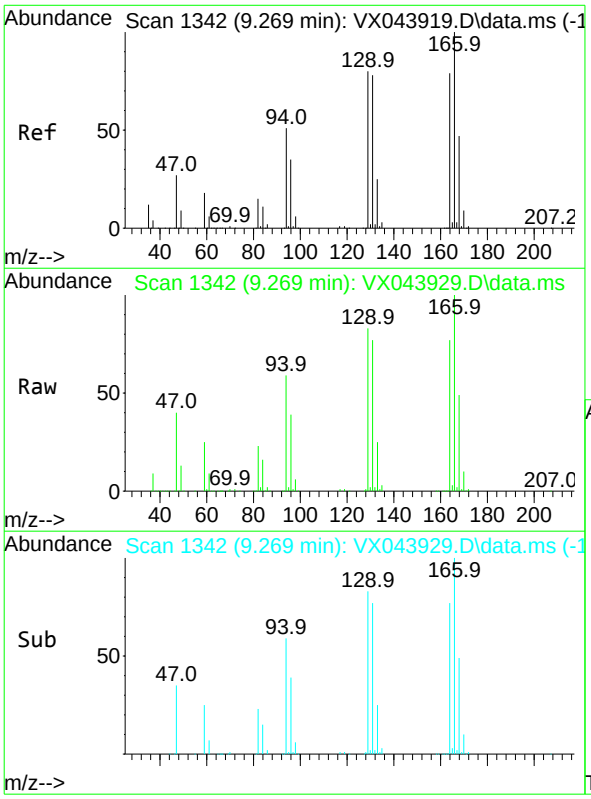
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

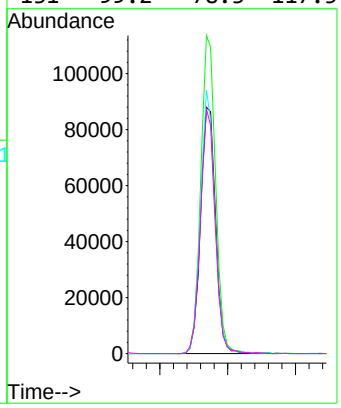
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

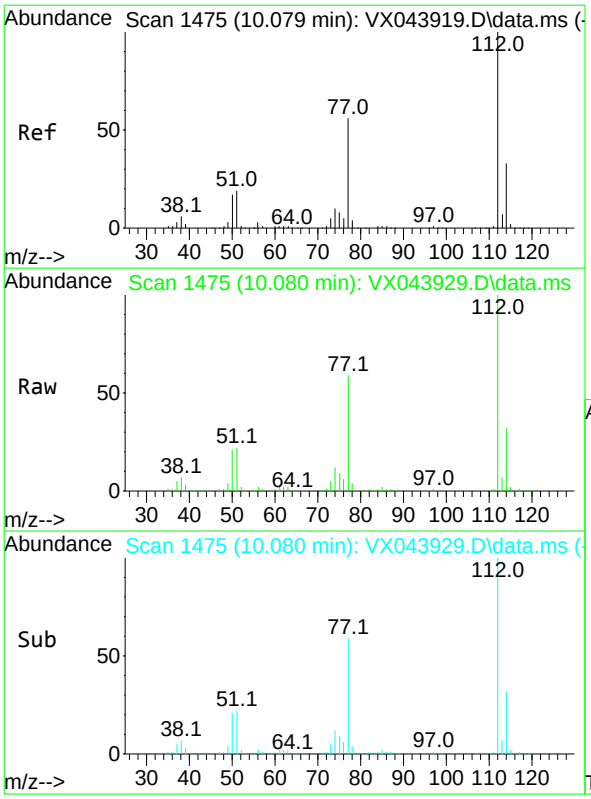


#64
Tetrachloroethene
Concen: 98.157 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.9	151.3
129	107.0	80.3	120.5
131	99.2	78.3	117.5

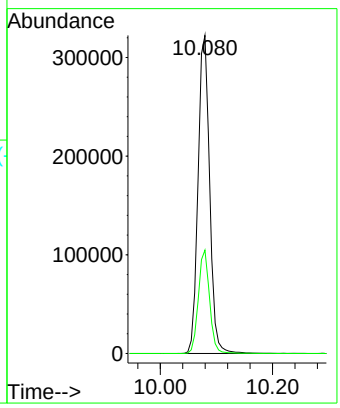




#65
Chlorobenzene
Concen: 102.382 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:112 Resp: 461076

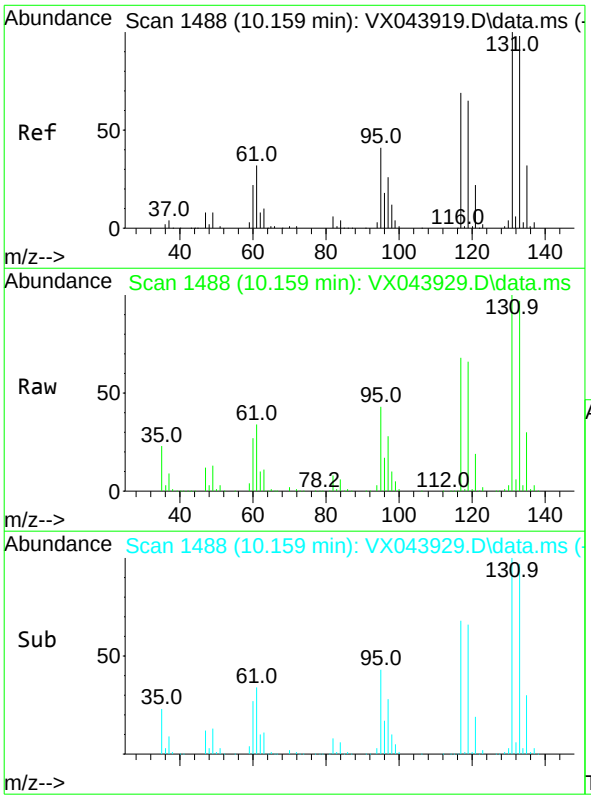
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

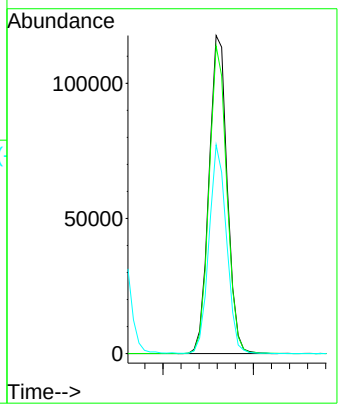
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

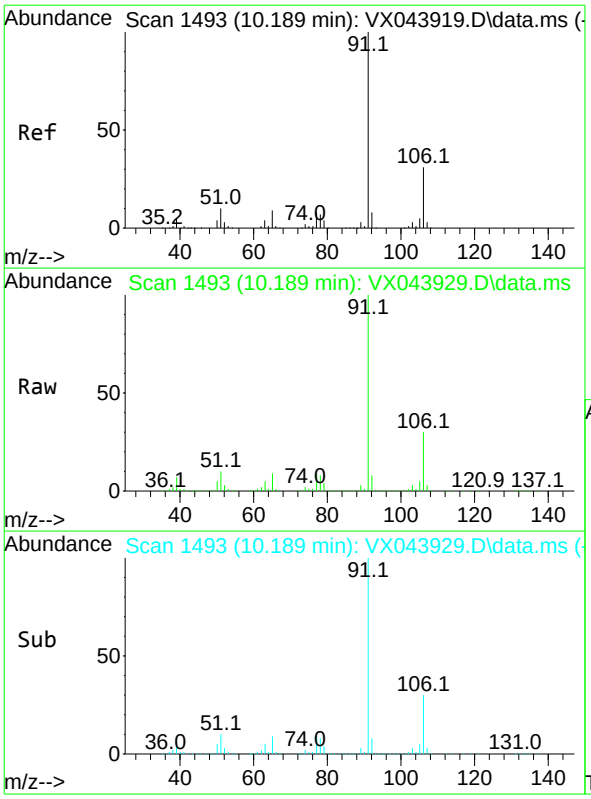


#66
1,1,1,2-Tetrachloroethane
Concen: 109.812 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.8	146.3
119	63.2	32.9	98.7





#67
Ethyl Benzene
Concen: 107.178 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

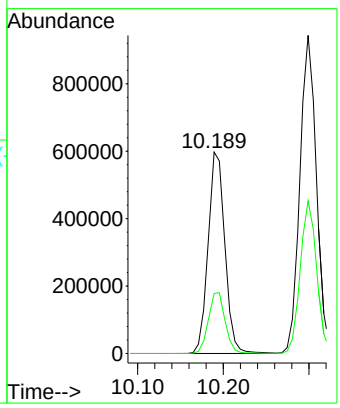
Tgt Ion: 91 Resp: 812289

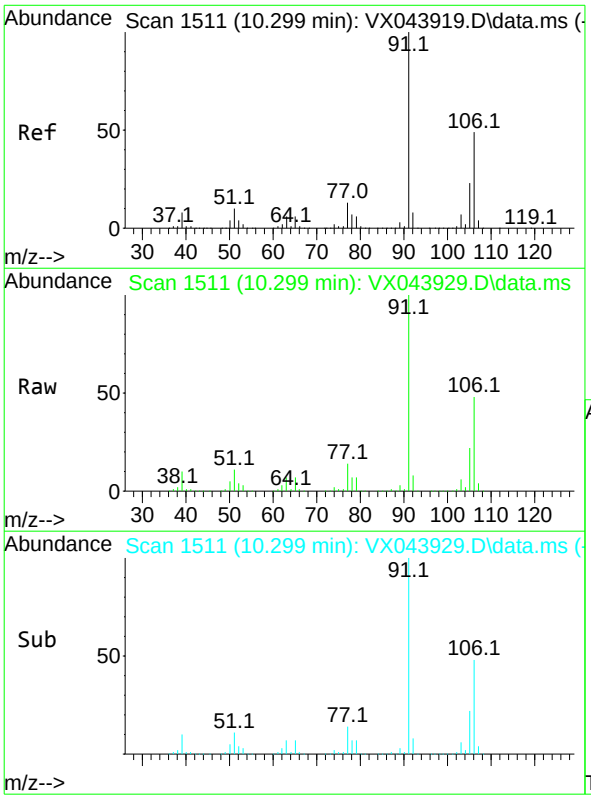
Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

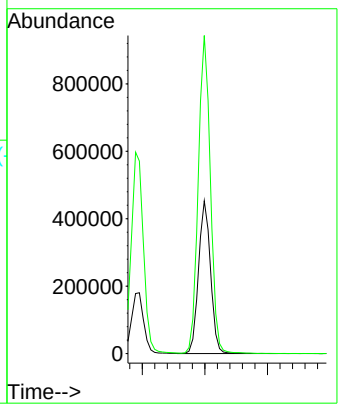


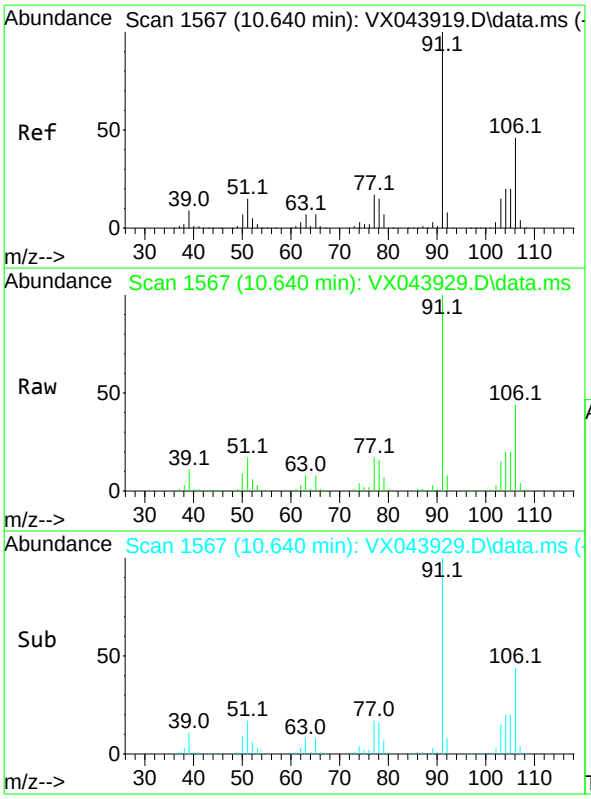


#68
m/p-Xylenes
Concen: 213.769 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

Ion	Ratio	Lower	Upper
106	100		
91	210.3	163.3	244.9

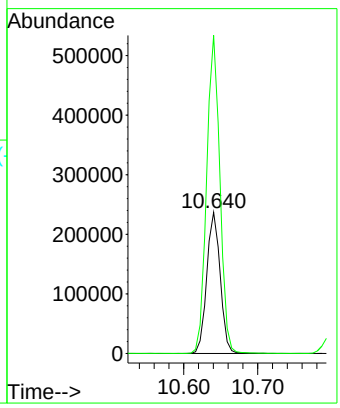




#69
o-Xylene
Concen: 108.462 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 298739

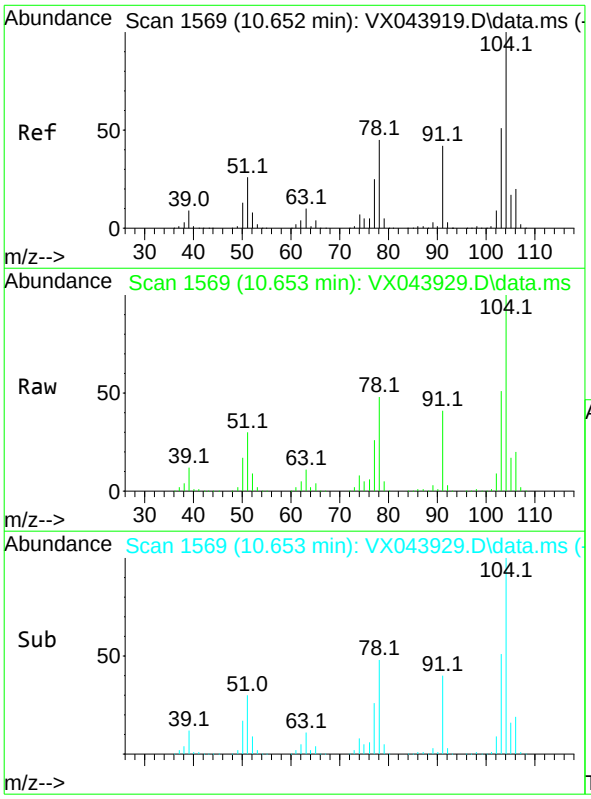
Ion	Ratio	Lower	Upper
106	100		
91	222.3	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

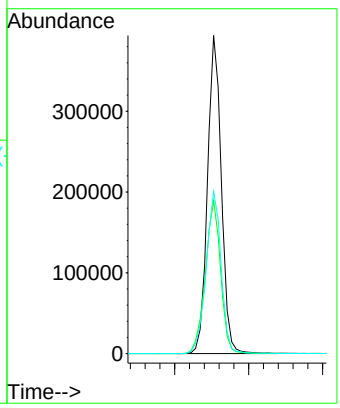
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

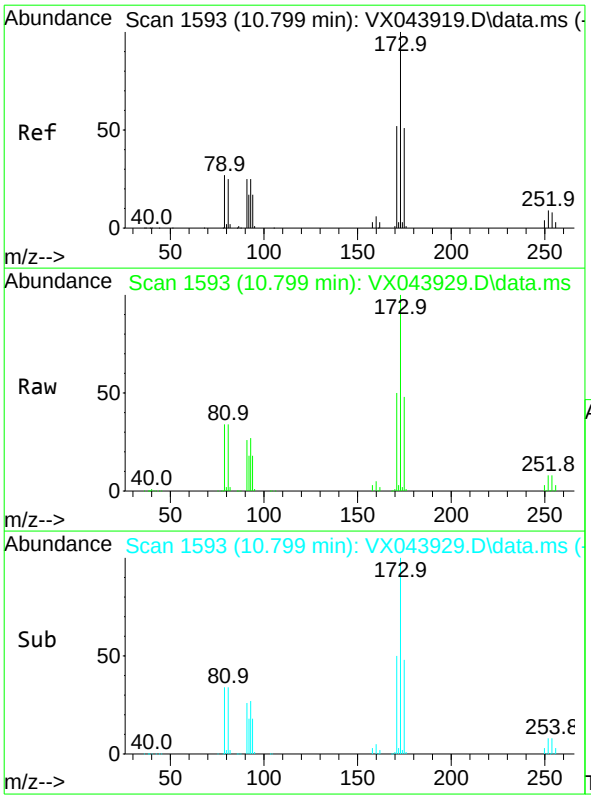


#70
Styrene
Concen: 112.628 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251

Ion	Ratio	Lower	Upper
104	100		
78	53.1	40.3	60.5
103	55.4	43.9	65.9

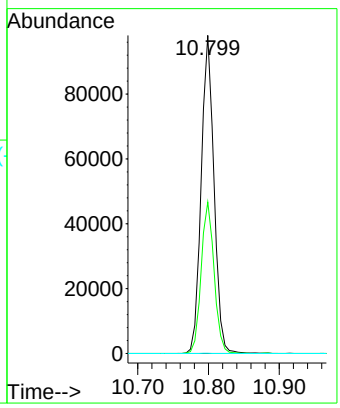




#71
Bromoform
Concen: 125.866 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:173 Resp: 123114

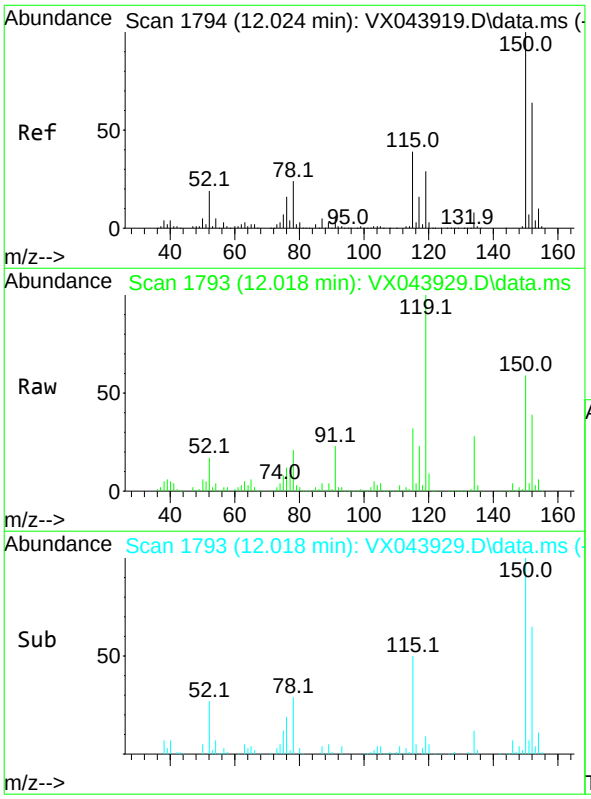
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

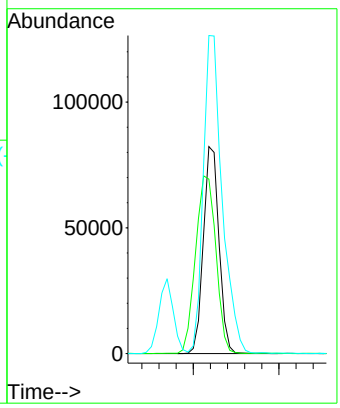
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

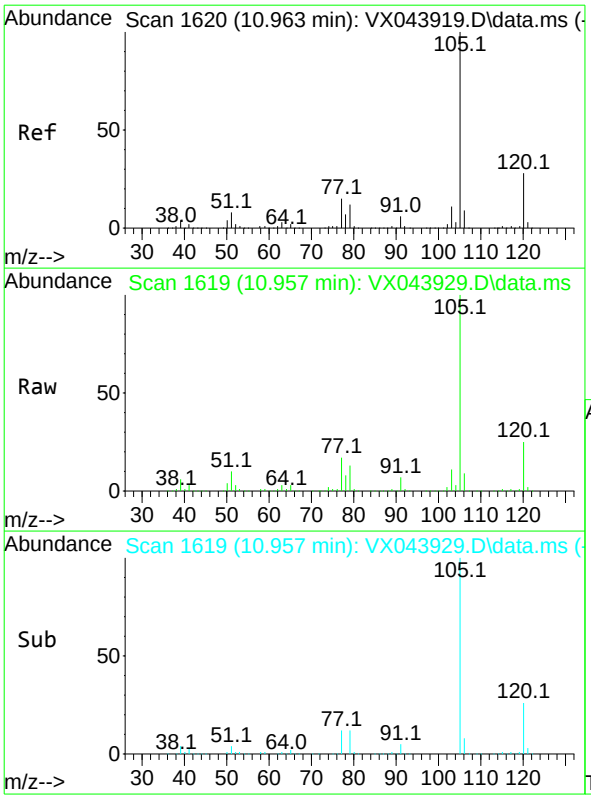


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:152 Resp: 104048

Ion	Ratio	Lower	Upper
152	100		
115	112.2	42.1	126.3
150	186.1	0.0	348.2

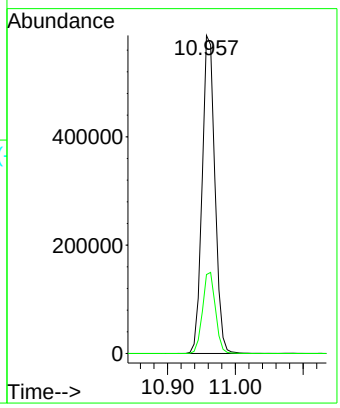




#73
Isopropylbenzene
Concen: 103.086 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 765623

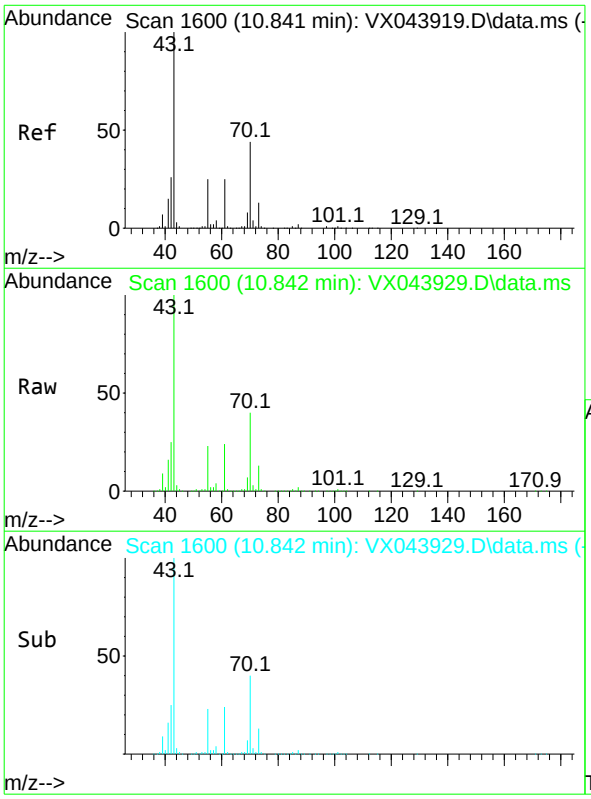
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

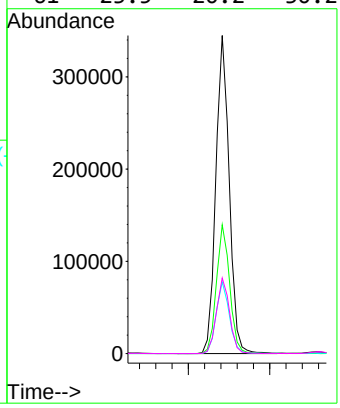
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

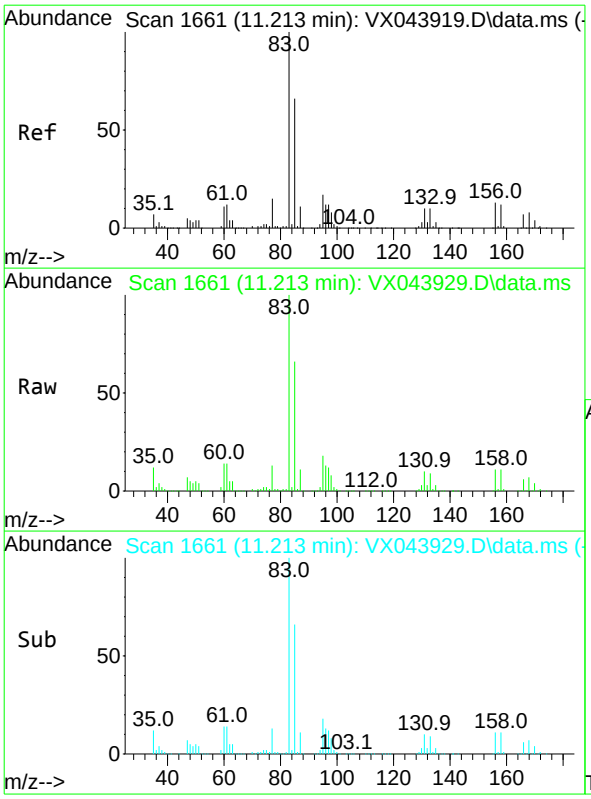


#74
N-amyl acetate
Concen: 119.112 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

Ion	Ratio	Lower	Upper
43	100		
70	40.2	36.5	54.7
55	22.3	19.6	29.4
61	23.5	20.2	30.2

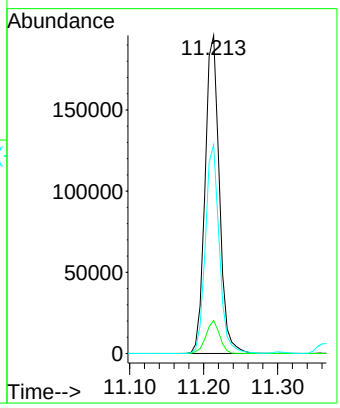




#75
1,1,2,2-Tetrachloroethane
Concen: 104.456 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 262302

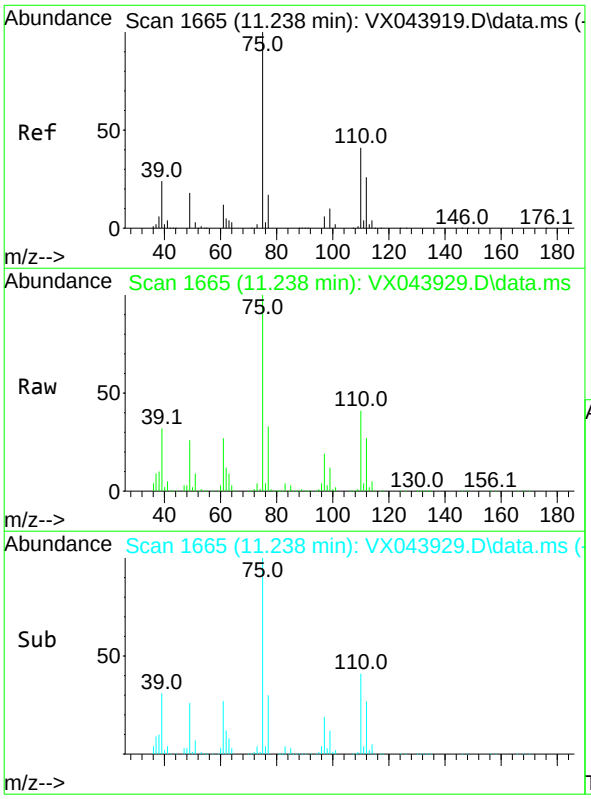
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.1	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

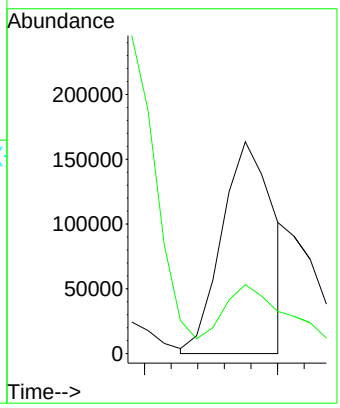
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

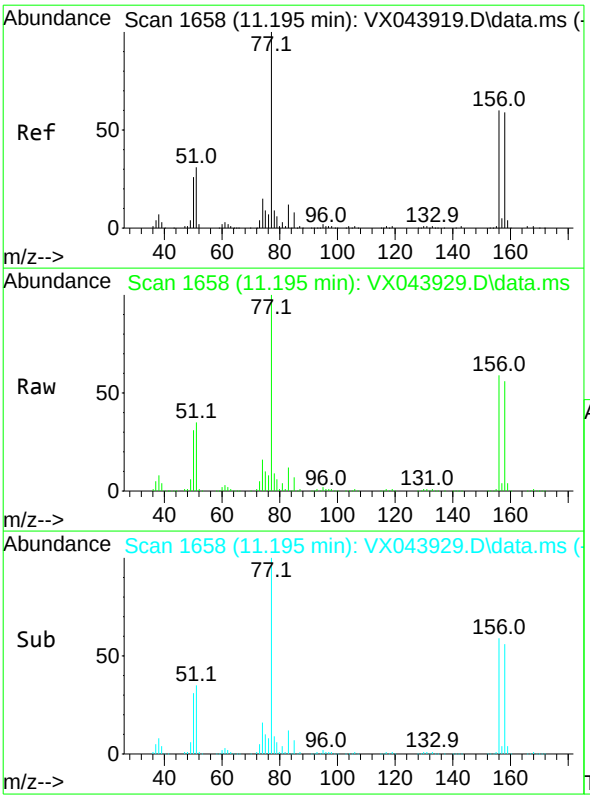


#76
1,2,3-Trichloropropane
Concen: 103.148 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 219028

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0

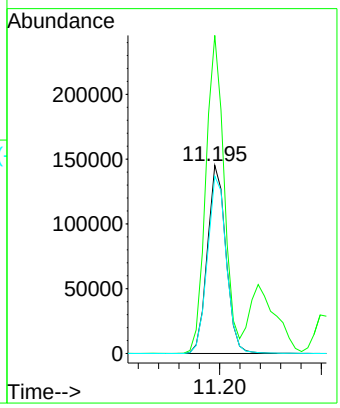




#77
Bromobenzene
Concen: 100.944 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:156 Resp: 183742

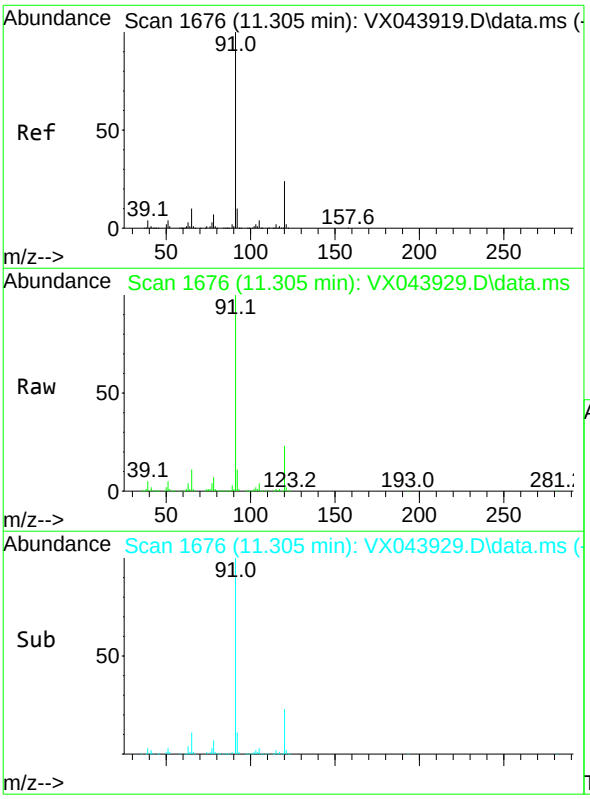
Ion	Ratio	Lower	Upper
156	100		
77	166.9	81.2	243.6
158	96.3	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

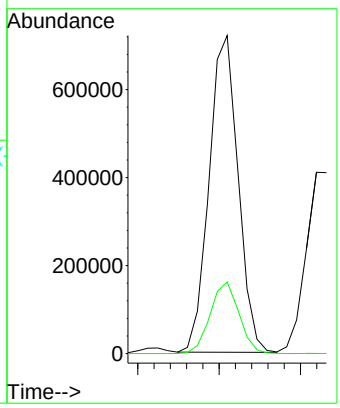
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

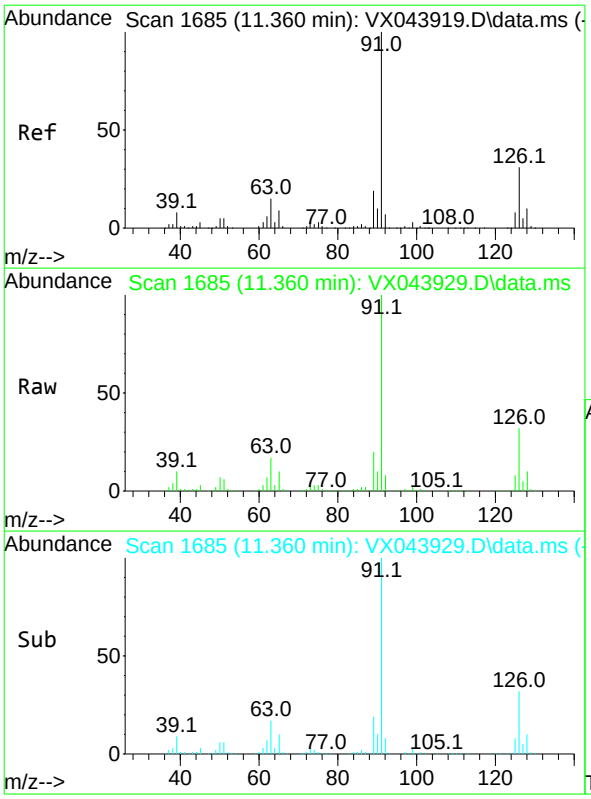


#78
n-propylbenzene
Concen: 108.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.5

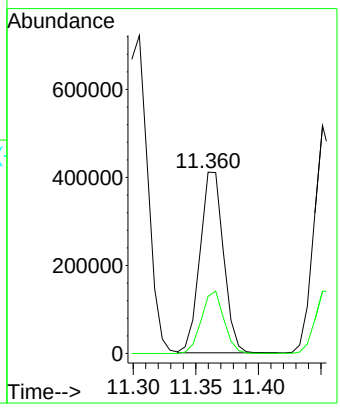




#79
2-Chlorotoluene
Concen: 103.022 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 537190

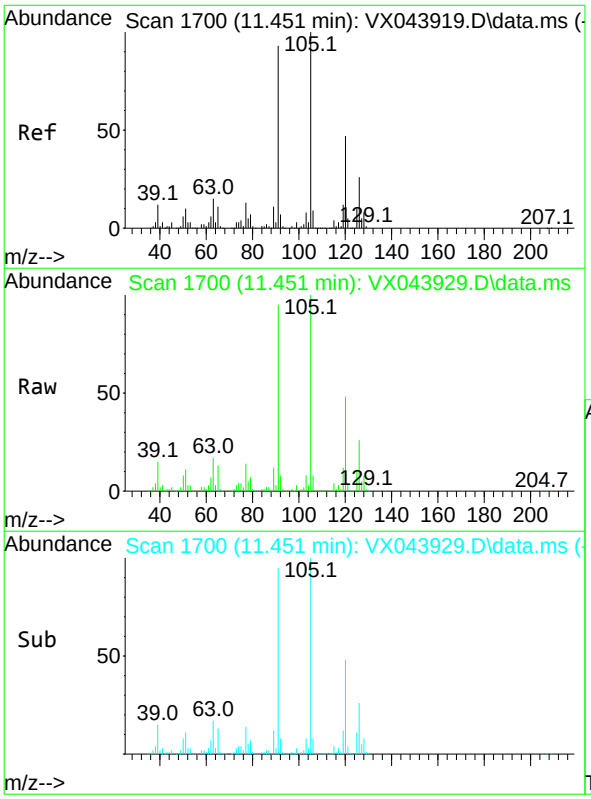
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

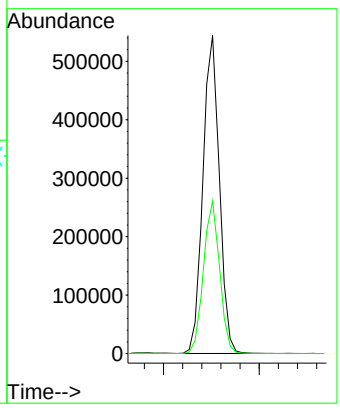
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

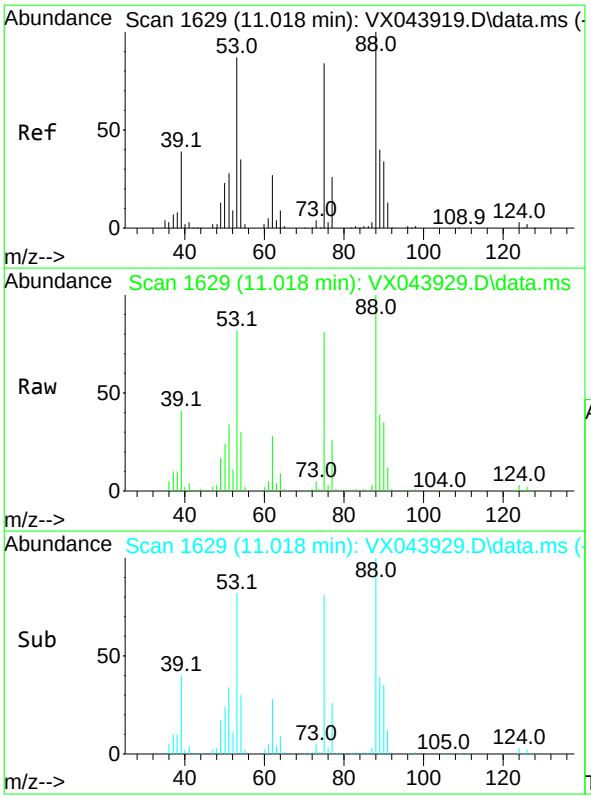


#80
1,3,5-Trimethylbenzene
Concen: 105.408 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.8	71.5

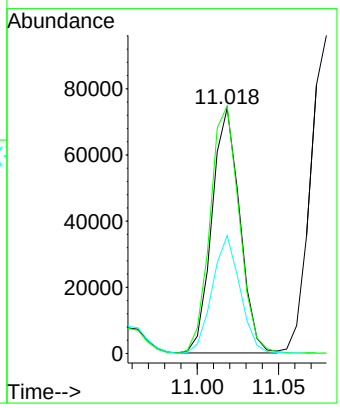




#81
trans-1,4-Dichloro-2-butene
Concen: 116.733 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 88041

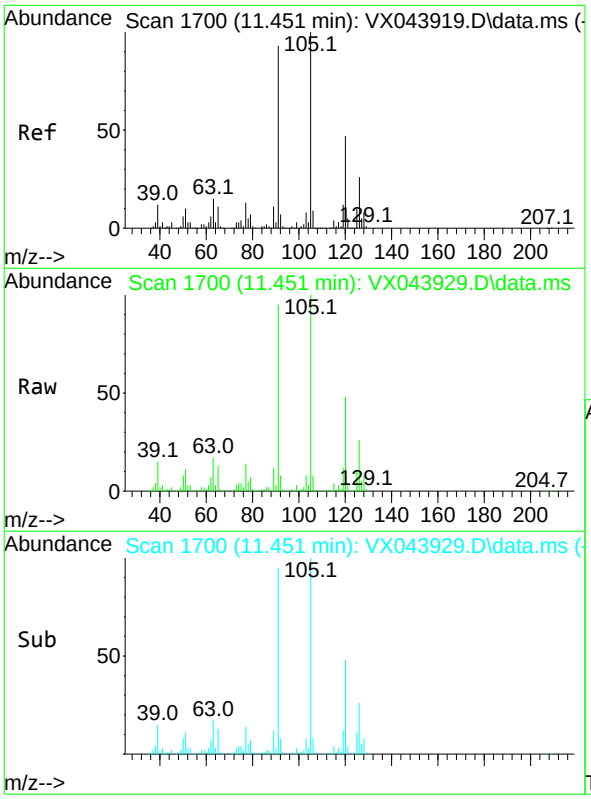
Ion	Ratio	Lower	Upper
75	100		
53	106.0	81.7	122.5
89	48.3	38.6	57.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

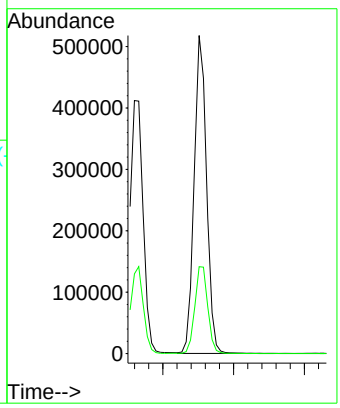
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

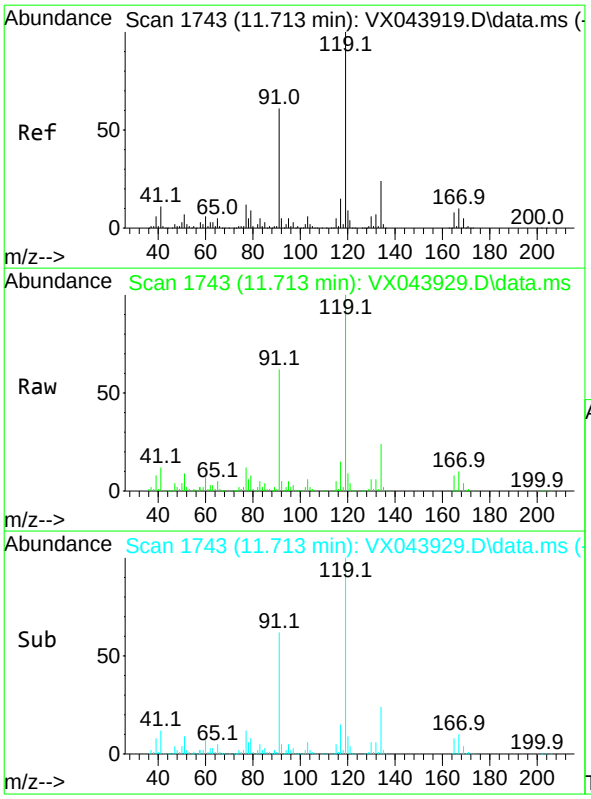


#82
4-Chlorotoluene
Concen: 104.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.4	43.2

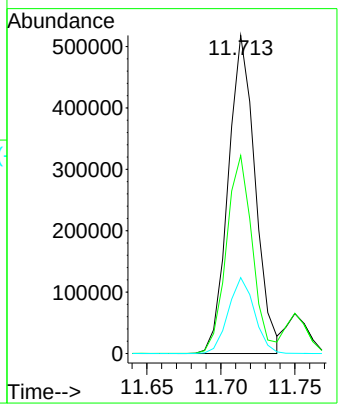




#83
tert-Butylbenzene
Concen: 104.157 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 655918

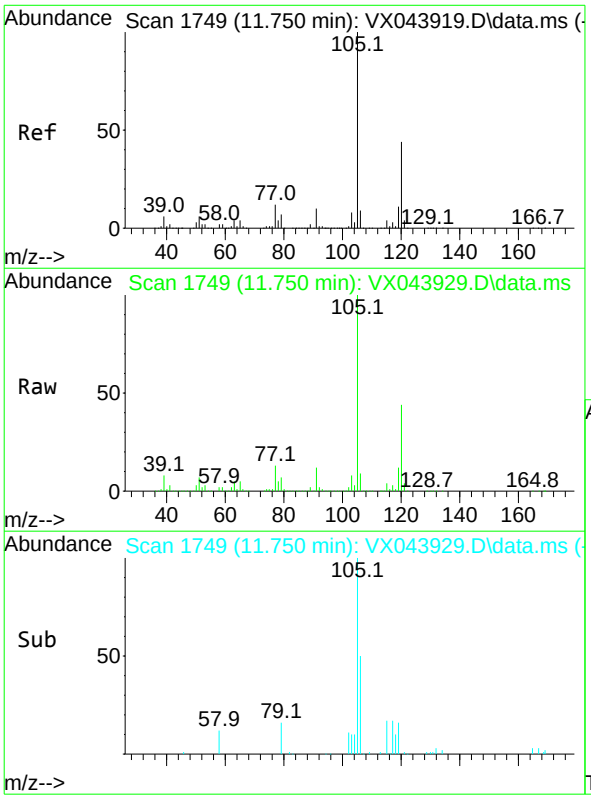
Ion	Ratio	Lower	Upper
119	100		
91	60.2	29.5	88.6
134	23.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

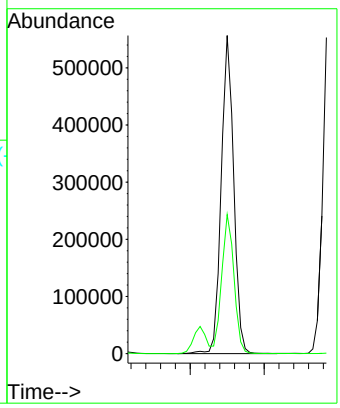
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

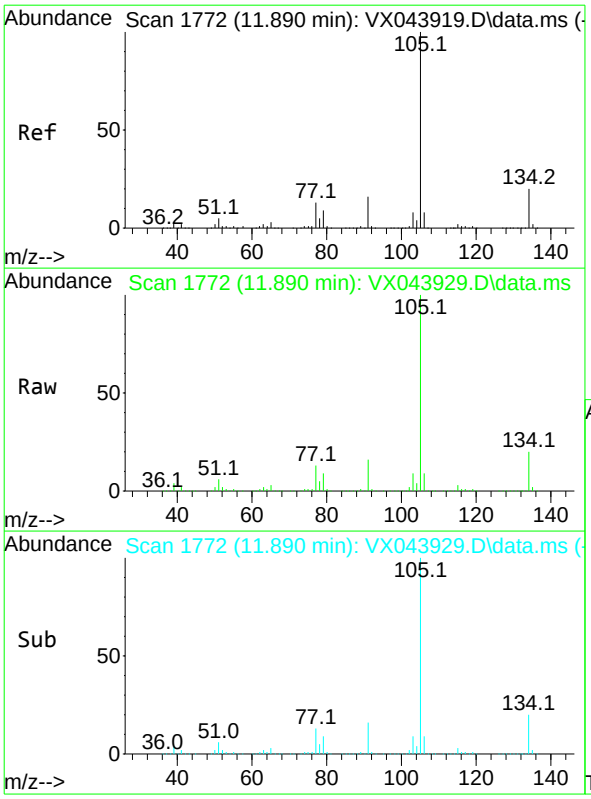


#84
1,2,4-Trimethylbenzene
Concen: 103.992 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 650156

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.7	65.1

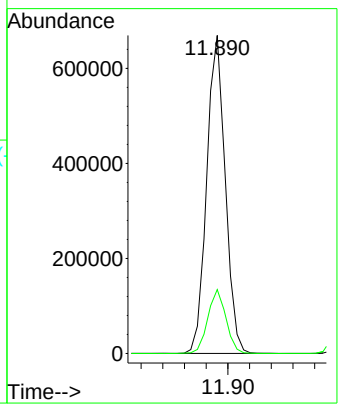




#85
sec-Butylbenzene
Concen: 105.481 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 793233

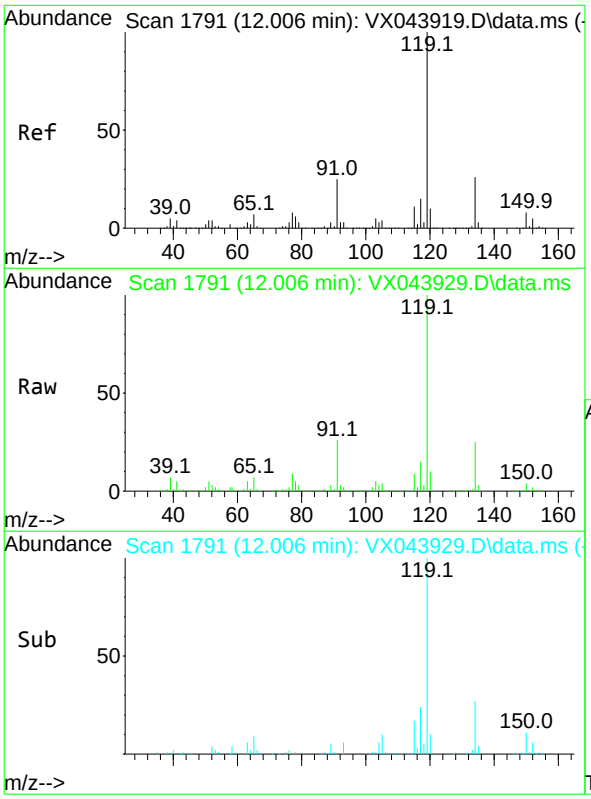
Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

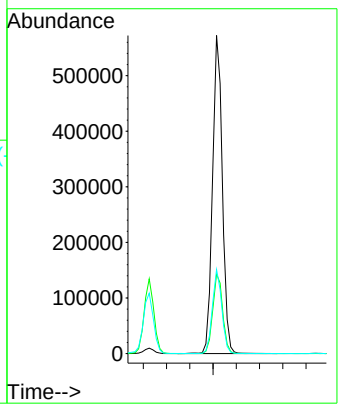
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

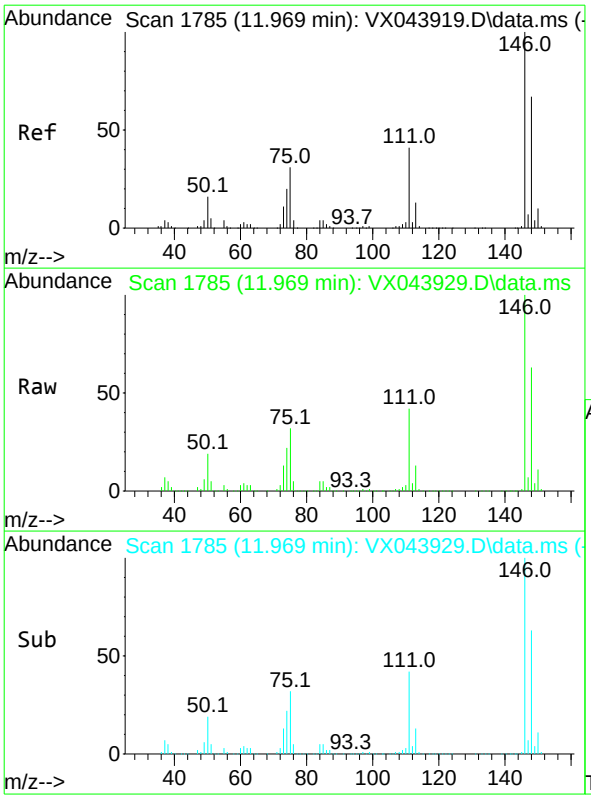


#86
p-Isopropyltoluene
Concen: 106.078 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	38.9
91	25.4	12.3	36.8

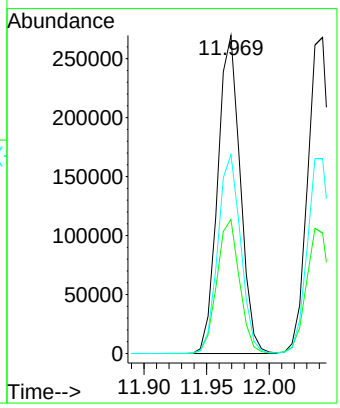




#87
1,3-Dichlorobenzene
Concen: 100.095 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 337665

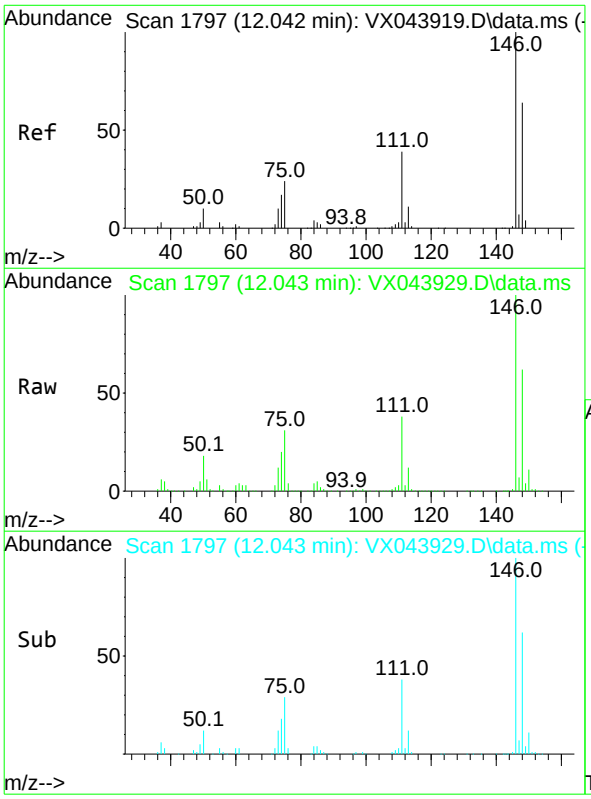
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	63.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

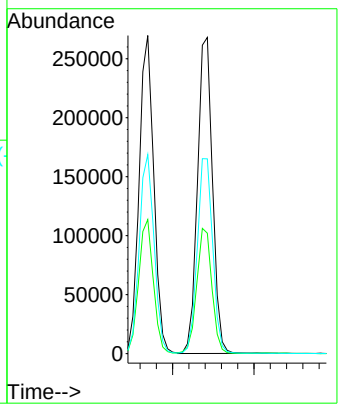
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

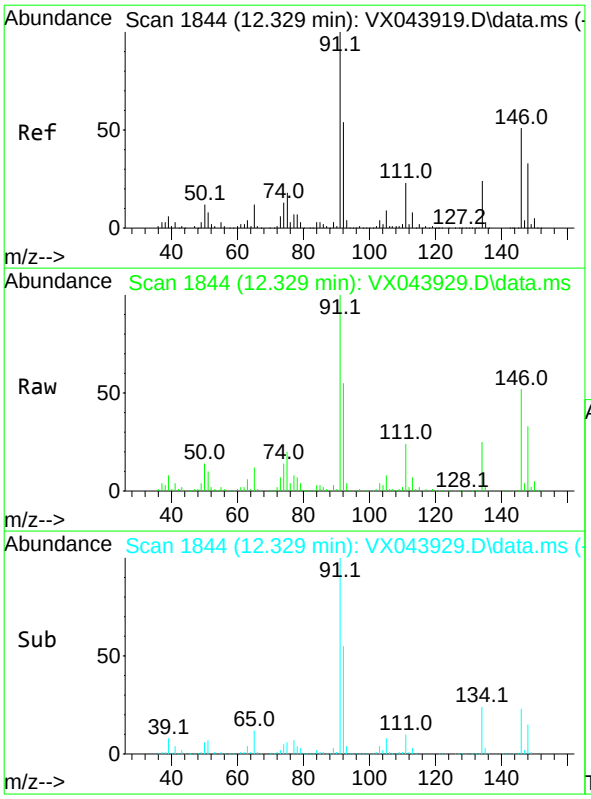


#88
1,4-Dichlorobenzene
Concen: 99.262 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.7	32.2	96.6

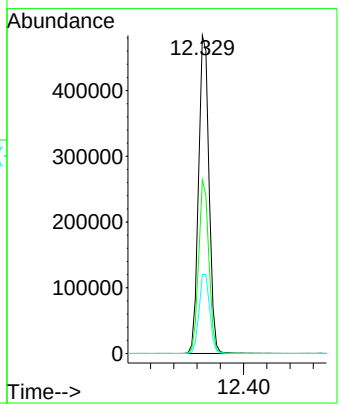




#89
n-Butylbenzene
Concen: 112.498 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 605284

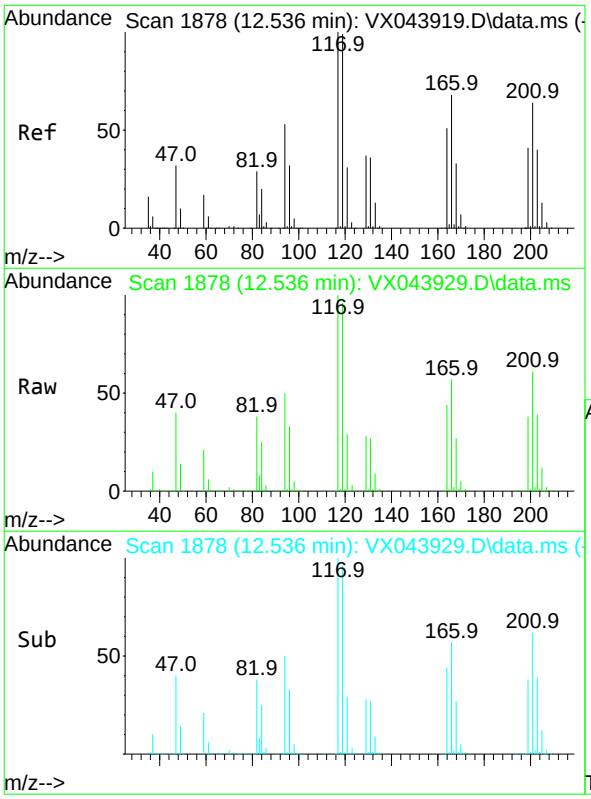
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.6
134	25.4	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

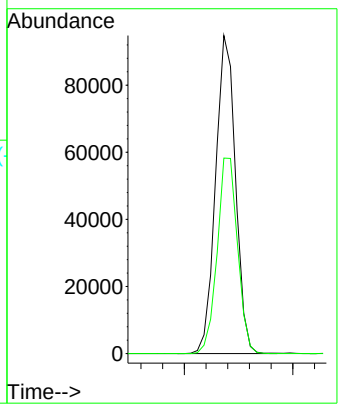
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

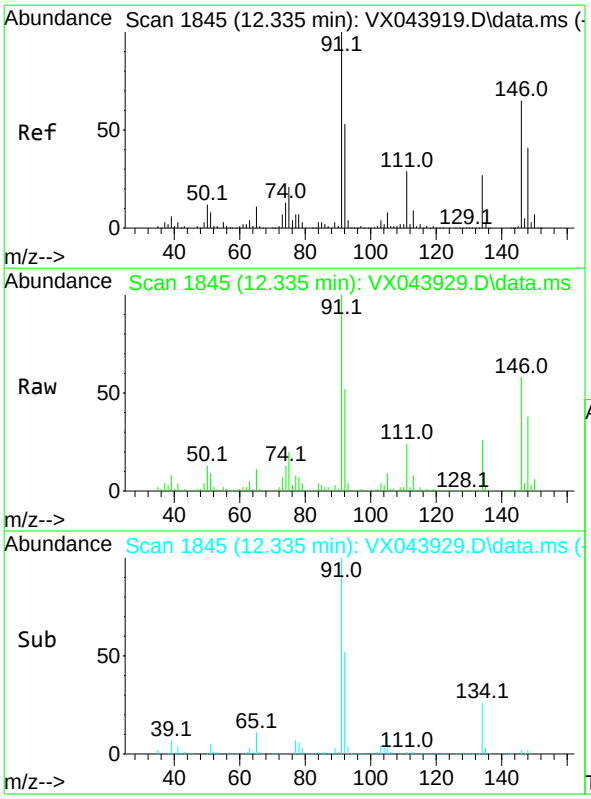


#90
Hexachloroethane
Concen: 113.763 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 120913

Ion	Ratio	Lower	Upper
117	100		
201	62.9	34.1	102.3

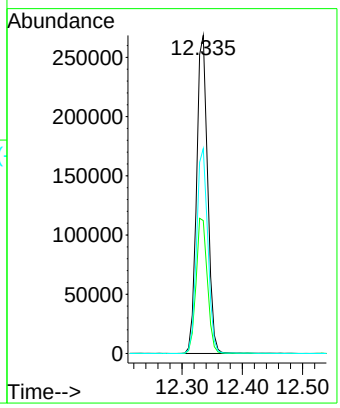




#91
1,2-Dichlorobenzene
Concen: 96.765 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 341767

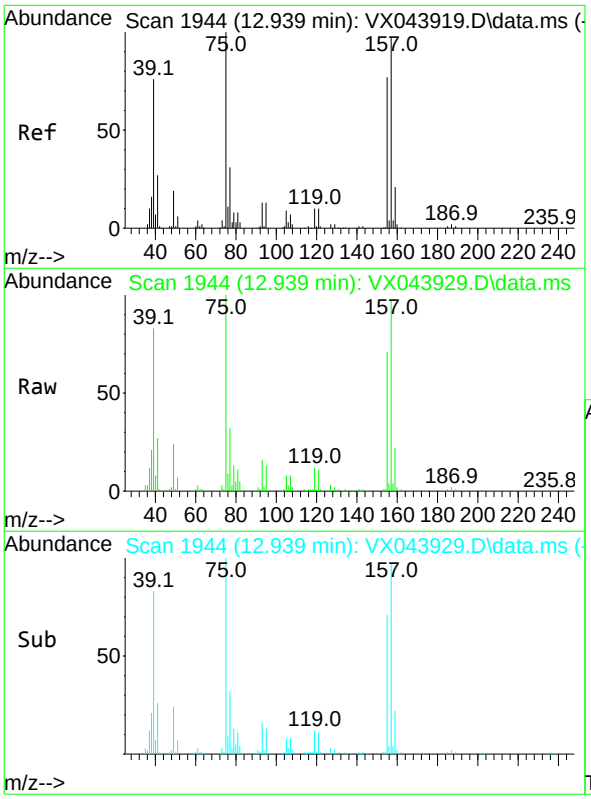
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	65.0	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

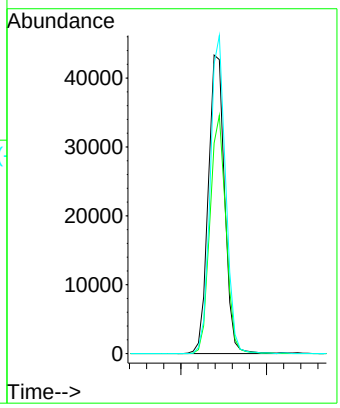
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

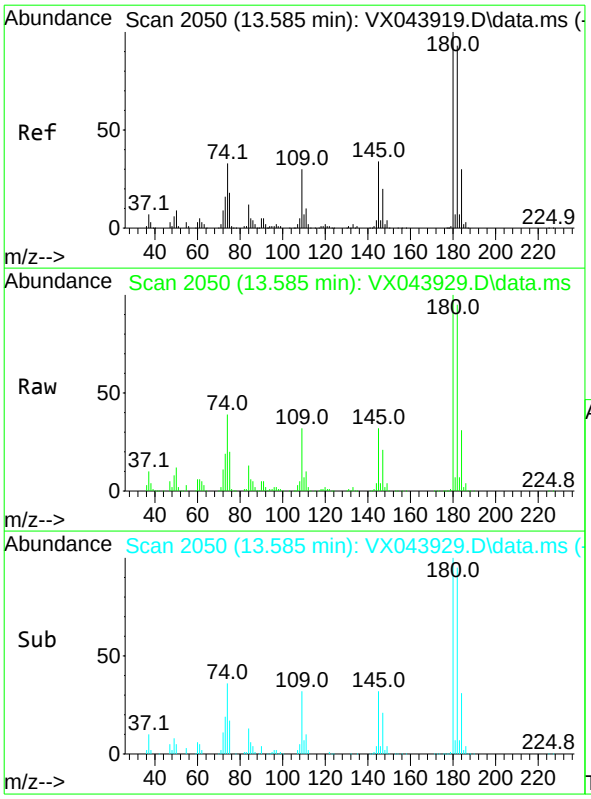


#92
1,2-Dibromo-3-Chloropropane
Concen: 110.517 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.8	122.5
157	100.9	54.3	162.9

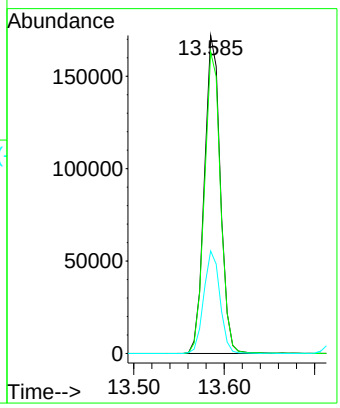




#93
1,2,4-Trichlorobenzene
Concen: 102.015 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 210571

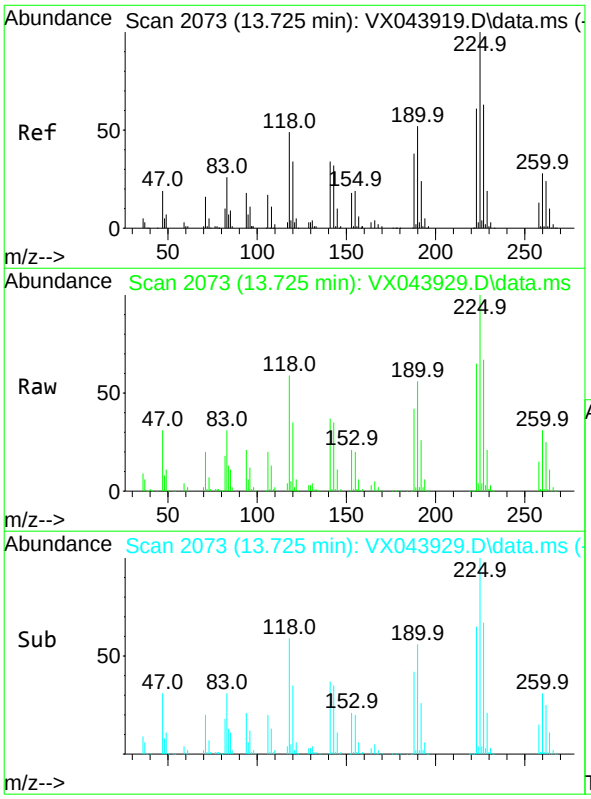
Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	32.8	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

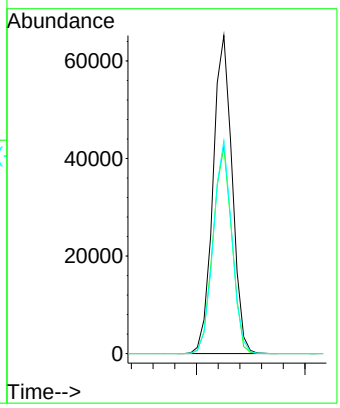
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

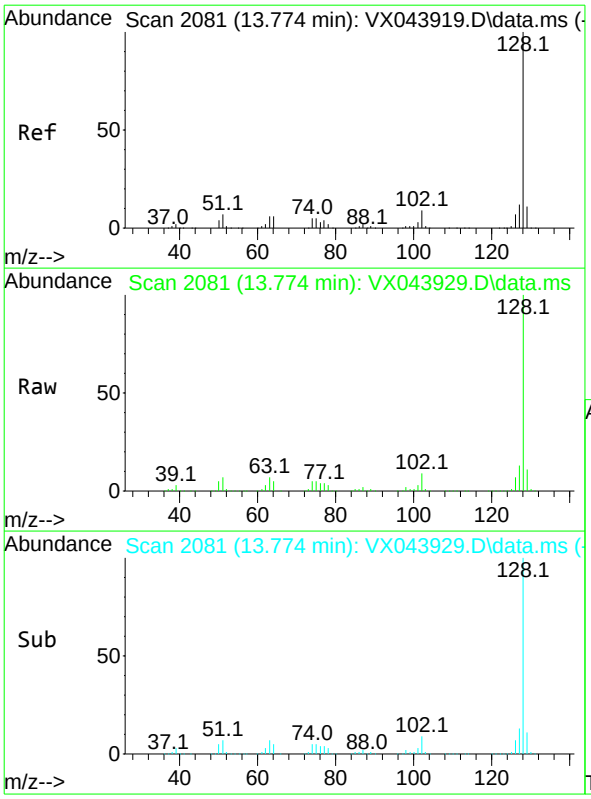


#94
Hexachlorobutadiene
Concen: 94.363 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:225 Resp: 79822

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.3
227	65.0	29.8	89.5

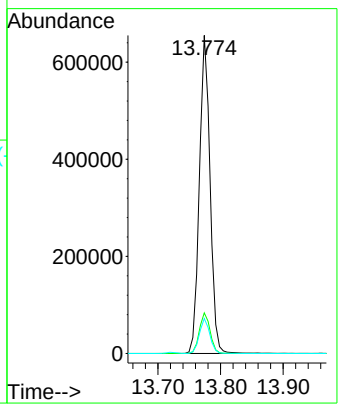




#95
Naphthalene
Concen: 100.923 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:128 Resp: 776740

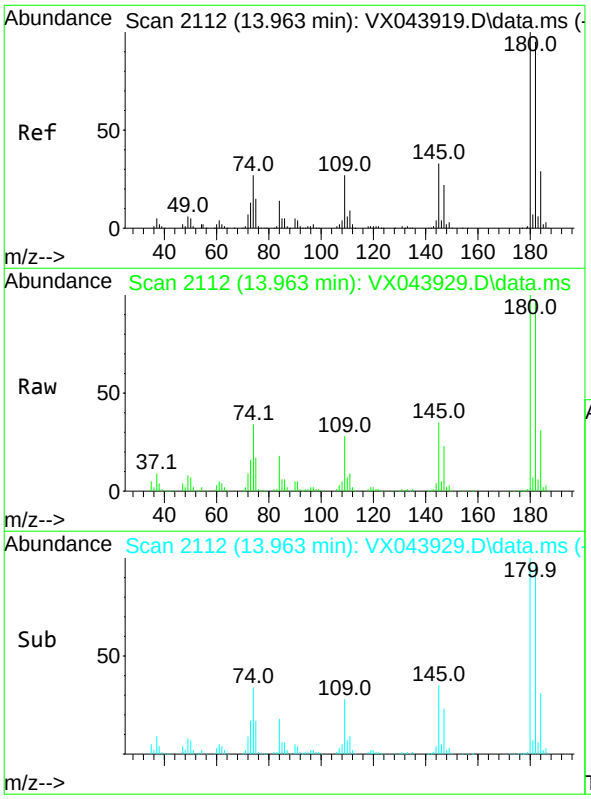
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

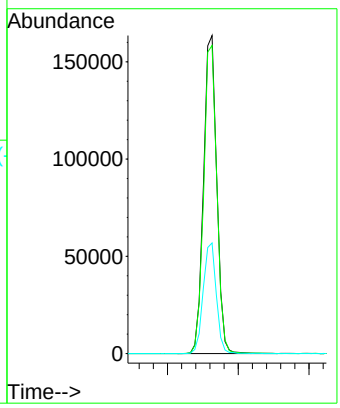
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 98.491 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 211814

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.6	142.8
145	34.6	17.4	52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	349080	171.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 343.600%#			
35) Dibromofluoromethane	5.385	113	268135	168.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 336.080%#			
50) Toluene-d8	8.647	98	896413	168.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 336.300%#			
62) 4-Bromofluorobenzene	11.079	95	324612	184.279	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 368.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	180.335	ug/l	97
3) Chloromethane	1.294	50	268770	160.659	ug/l	100
4) Vinyl Chloride	1.374	62	271568	161.568	ug/l	99
5) Bromomethane	1.593	94	175581	229.967	ug/l	98
6) Chloroethane	1.660	64	140375	174.839	ug/l	98
7) Trichlorofluoromethane	1.861	101	527057	219.944	ug/l	100
8) Diethyl Ether	2.136	74	185146	204.934	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	167.580	ug/l	97
10) Methyl Iodide	2.440	142	299792	150.207	ug/l	96
11) Tert butyl alcohol	3.014	59	306168	947.555	ug/l	99
12) 1,1-Dichloroethene	2.306	96	228504	166.017	ug/l	91
13) Acrolein	2.239	56	294638	813.086	ug/l	100
14) Allyl chloride	2.654	41	394228	176.662	ug/l	91
15) Acrylonitrile	3.068	53	684169	822.558	ug/l	98
16) Acetone	2.392	43	734161	899.588	ug/l	92
17) Carbon Disulfide	2.501	76	554853	184.625	ug/l	100
18) Methyl Acetate	2.703	43	361338	161.681	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	869848	170.980	ug/l	98
20) Methylene Chloride	2.782	84	260099	152.260	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	245485	163.596	ug/l	95
22) Diisopropyl ether	3.763	45	835960	171.467	ug/l	96
23) Vinyl Acetate	3.721	43	3797951	961.094	ug/l	97
24) 1,1-Dichloroethane	3.599	63	479590	167.262	ug/l	99
25) 2-Butanone	4.568	43	1012692	887.025	ug/l	97
26) 2,2-Dichloropropane	4.465	77	440061	186.761	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	304342	162.978	ug/l	94
28) Bromochloromethane	4.891	49	207753	172.194	ug/l	91
29) Tetrahydrofuran	5.007	42	617277	836.734	ug/l	98
30) Chloroform	5.092	83	513285	171.734	ug/l	98
31) Cyclohexane	5.458	56	367157	157.989	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	455922	178.438	ug/l	98
36) 1,1-Dichloropropene	5.684	75	331239	166.559	ug/l	98
37) Ethyl Acetate	4.721	43	393670	175.887	ug/l	97
38) Carbon Tetrachloride	5.672	117	376287	178.719	ug/l	98
39) Methylcyclohexane	7.372	83	410333	164.816	ug/l	96
40) Benzene	6.031	78	999210	159.808	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	206026	176.637 ug/l	95
42) 1,2-Dichloroethane	6.080	62	397508	175.089 ug/l	98
43) Isopropyl Acetate	6.342	43	661839	187.445 ug/l	94
44) Trichloroethene	7.123	130	251071	145.657 ug/l	97
45) 1,2-Dichloropropane	7.427	63	249394	162.744 ug/l	100
46) Dibromomethane	7.580	93	202329	175.212 ug/l	95
47) Bromodichloromethane	7.818	83	388259	191.362 ug/l	97
48) Methyl methacrylate	7.690	41	315872	180.493 ug/l	88
49) 1,4-Dioxane	7.665	88	106634	2860.706 ug/l #	76
51) 4-Methyl-2-Pentanone	8.580	43	1954925	887.971 ug/l	96
52) Toluene	8.714	92	607179	168.323 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	406346	197.387 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	428549	183.704 ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	245706	174.579 ug/l	99
56) Ethyl methacrylate	9.116	69	420409	188.658 ug/l #	88
57) 1,3-Dichloropropane	9.305	76	416811	176.770 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	875.887 ug/l	98
59) 2-Hexanone	9.433	43	1493755	961.650 ug/l	94
60) Dibromochloromethane	9.518	129	286188	208.679 ug/l	100
61) 1,2-Dibromoethane	9.610	107	261369	178.035 ug/l	100
64) Tetrachloroethene	9.268	164	202262	155.122 ug/l	98
65) Chlorobenzene	10.079	112	675513	159.085 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	170.964 ug/l	97
67) Ethyl Benzene	10.195	91	1181693	165.365 ug/l	100
68) m/p-Xylenes	10.299	106	884067	332.148 ug/l	97
69) o-Xylene	10.640	106	436919	168.240 ug/l	98
70) Styrene	10.652	104	742061	173.379 ug/l	97
71) Bromoform	10.799	173	186691	161.632 ug/l #	100
73) Isopropylbenzene	10.963	105	1135309	165.031 ug/l	99
74) N-amyl acetate	10.841	43	586560	159.995 ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	163.351 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	313344m	159.312 ug/l	
77) Bromobenzene	11.195	156	270671	160.539 ug/l	98
78) n-propylbenzene	11.305	91	1296979	170.866 ug/l	99
79) 2-Chlorotoluene	11.366	91	788163	163.185 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	164.167 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	161.734 ug/l	99
82) 4-Chlorotoluene	11.451	91	919566	165.319 ug/l	100
83) tert-Butylbenzene	11.713	119	945058	162.017 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	161.161 ug/l	100
85) sec-Butylbenzene	11.890	105	1148877	164.934 ug/l	100
86) p-Isopropyltoluene	12.006	119	972007	166.189 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	490336	156.923 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	494318	154.301 ug/l	99
89) n-Butylbenzene	12.329	91	903805	181.353 ug/l	99
90) Hexachloroethane	12.536	117	180575	151.823 ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	503214	153.818 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	146.019 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	325289	170.137 ug/l	99
94) Hexachlorobutadiene	13.725	225	121126	154.589 ug/l	97
95) Naphthalene	13.774	128	1173154	164.565 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	164.001 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

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

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

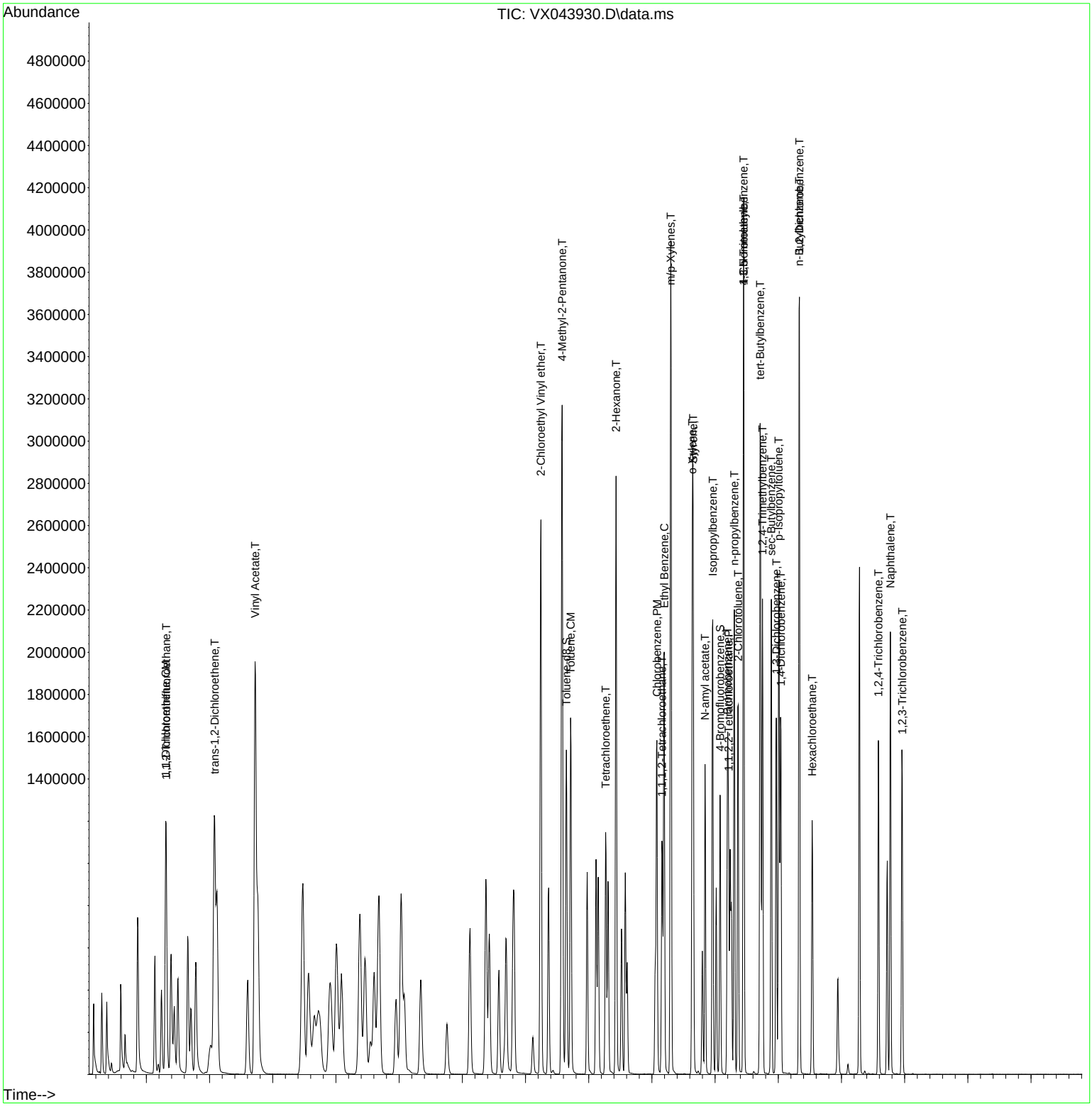
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

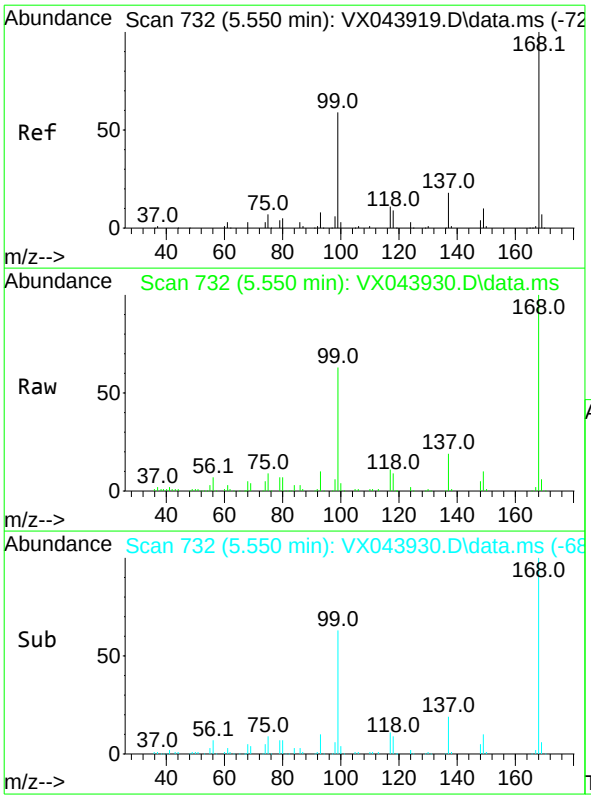
Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

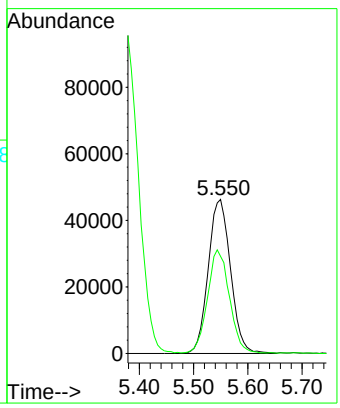




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:168 Resp: 132286

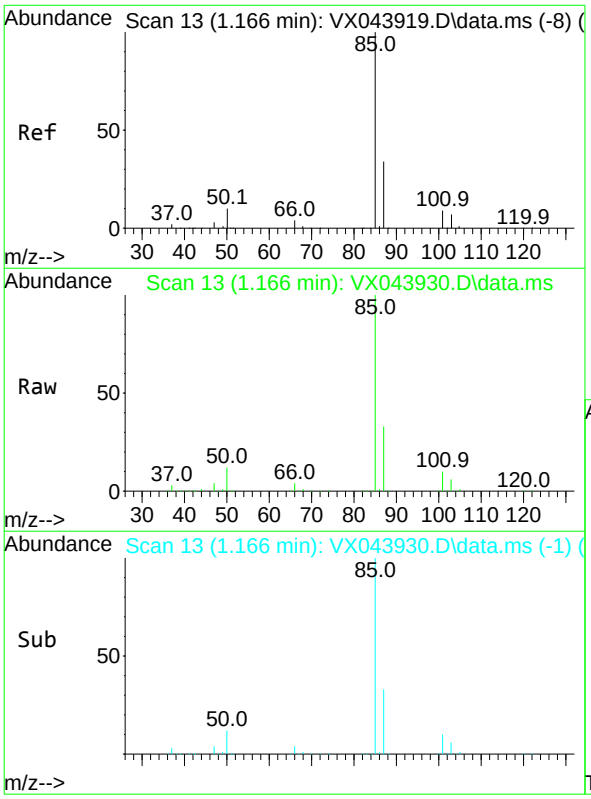
Ion	Ratio	Lower	Upper
168	100		
99	62.9	46.9	70.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

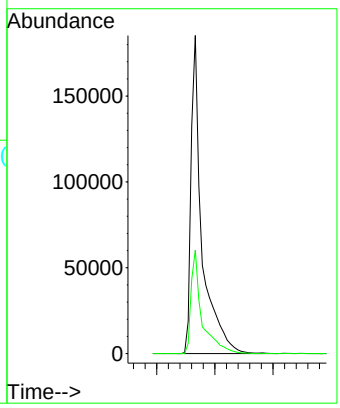
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

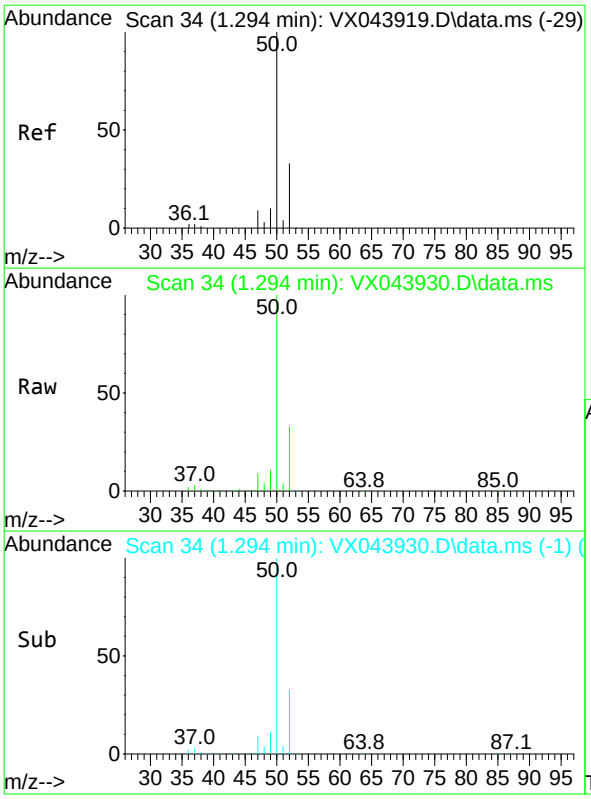


#2
Dichlorodifluoromethane
Concen: 180.335 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.1	51.2

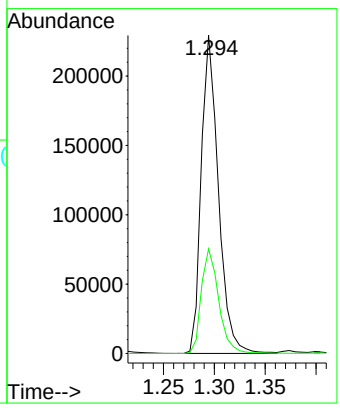




#3
Chloromethane
Concen: 160.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 50 Resp: 268770

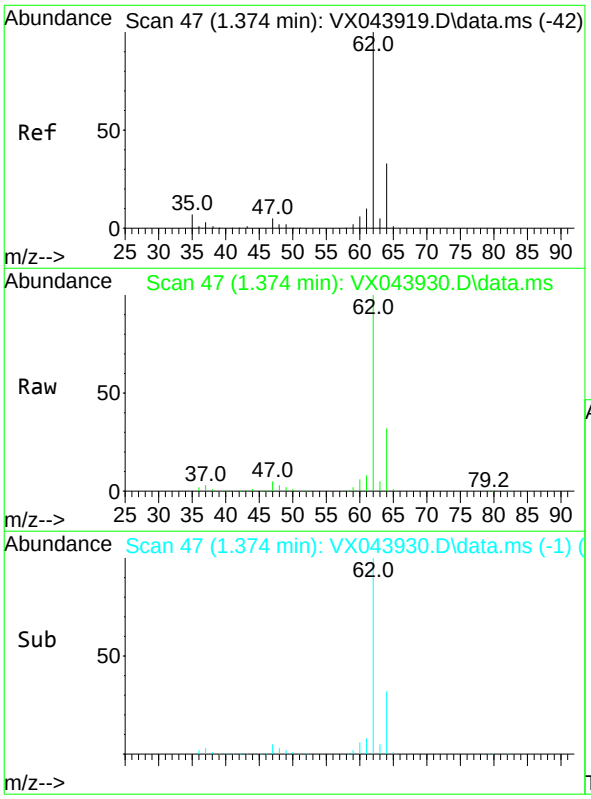
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

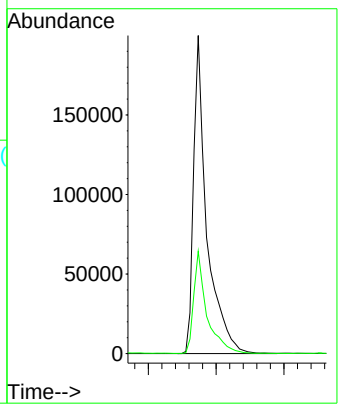
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

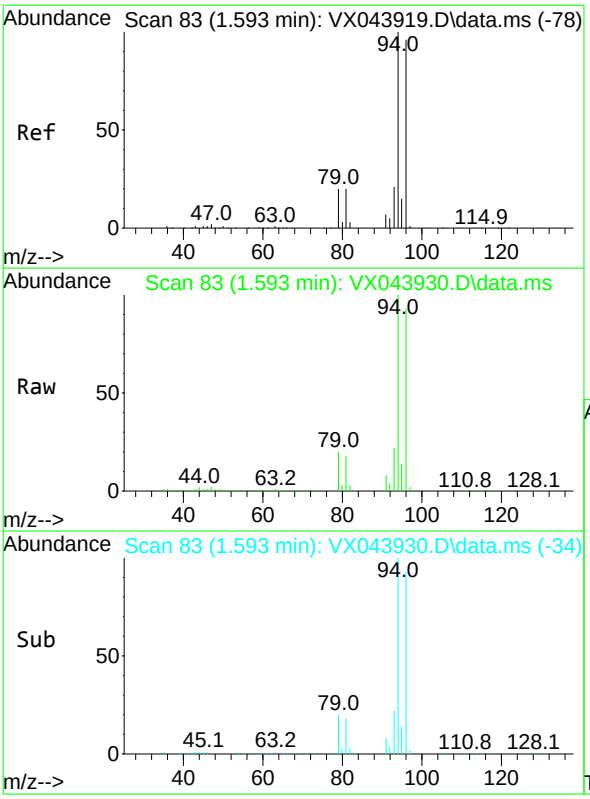


#4
Vinyl Chloride
Concen: 161.568 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.1	39.1

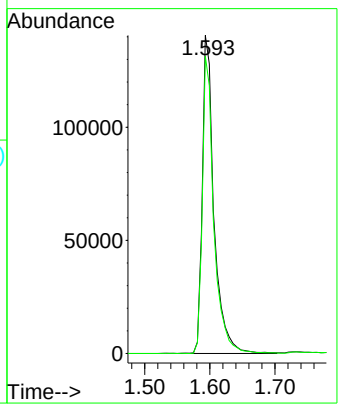




#5
Bromomethane
Concen: 229.967 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 94 Resp: 175581

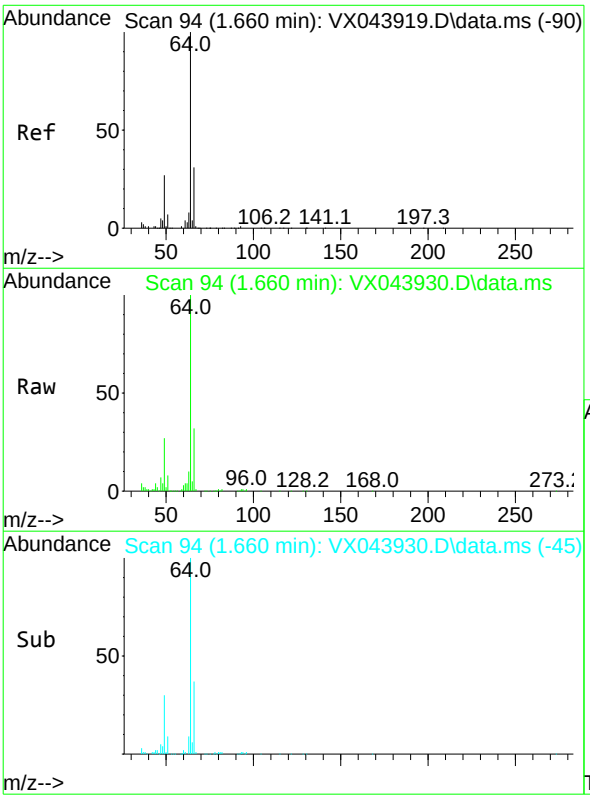
Ion	Ratio	Lower	Upper
94	100		
96	93.5	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

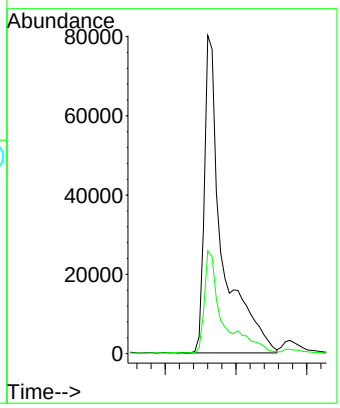
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

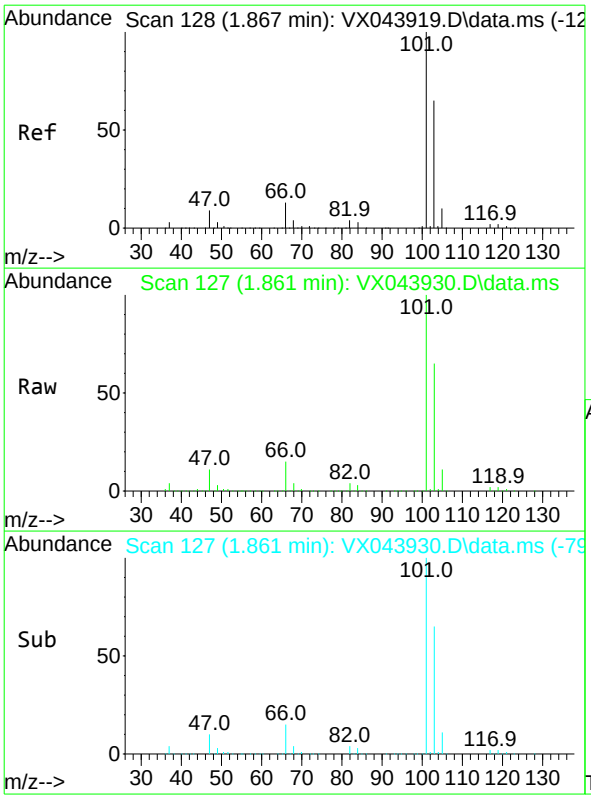


#6
Chloroethane
Concen: 174.839 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.9	37.3

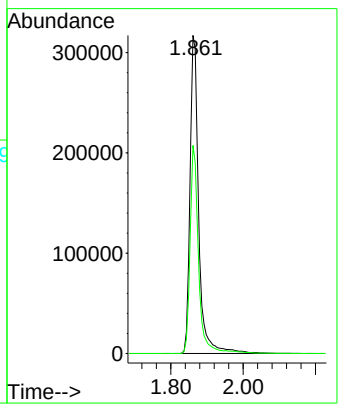




#7
Trichlorofluoromethane
Concen: 219.944 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:101 Resp: 527057

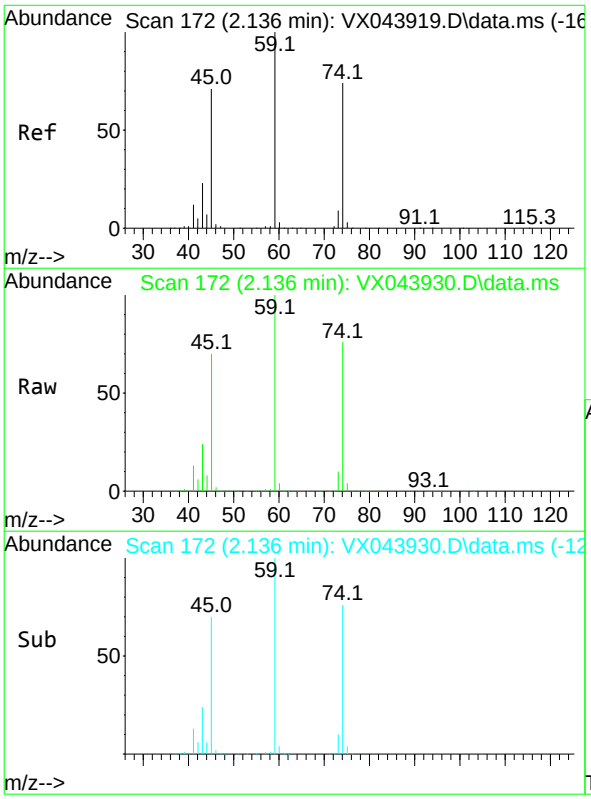
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

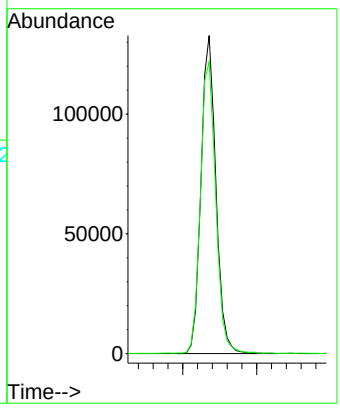
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

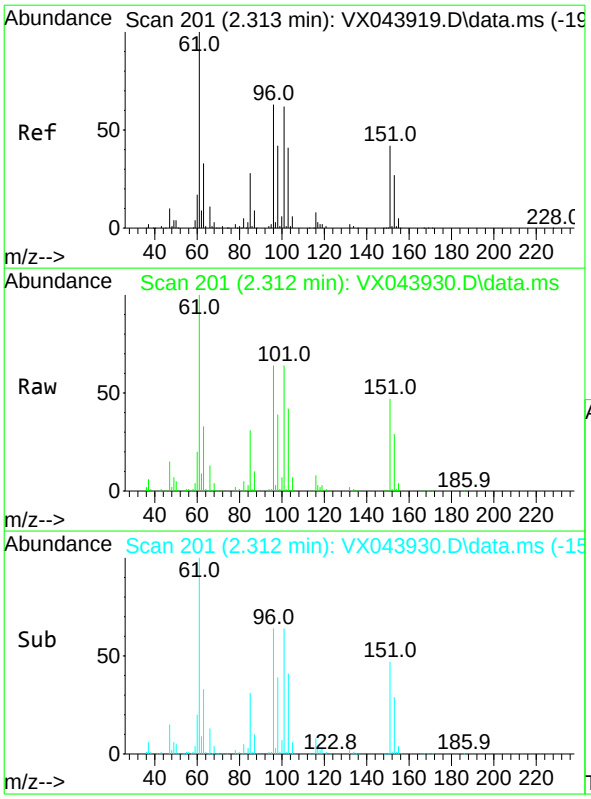


#8
Diethyl Ether
Concen: 204.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146

Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.9	149.6

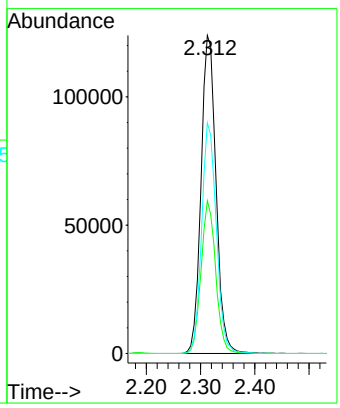




#9
1,1,2-Trichlorotrifluoroethane
Concen: 167.580 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:101 Resp: 237653

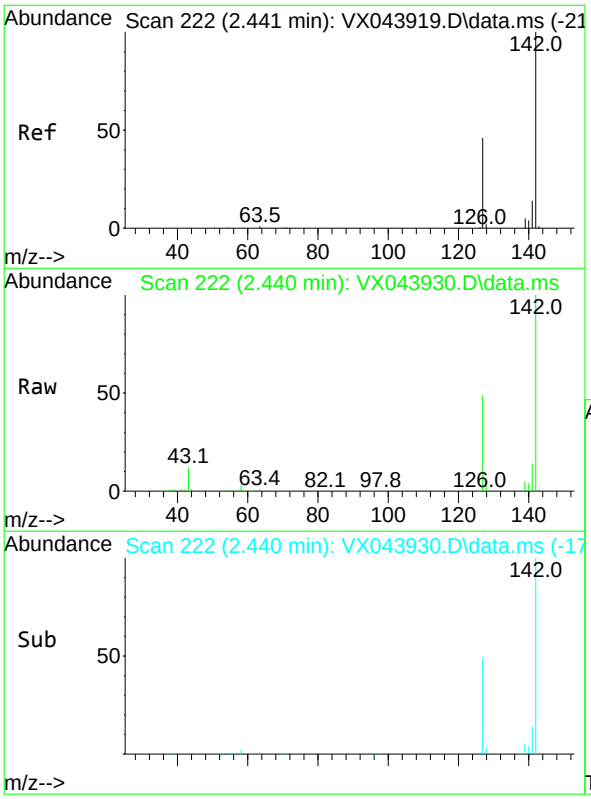
Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.6	54.8
151	71.3	59.8	89.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

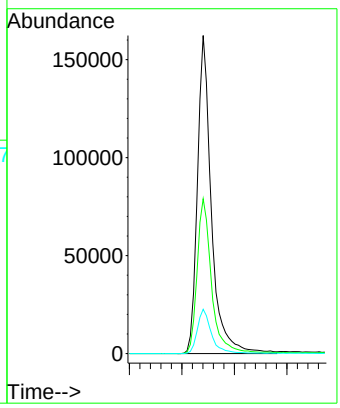
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

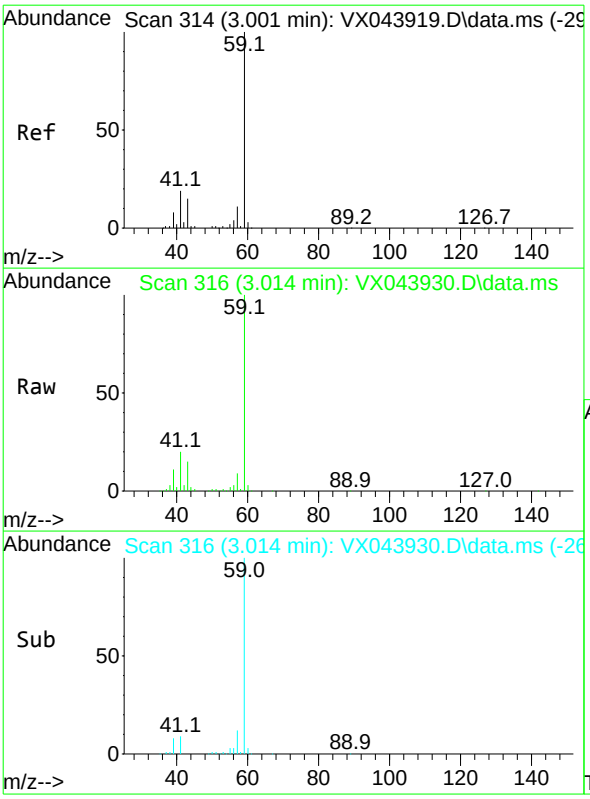


#10
Methyl Iodide
Concen: 150.207 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792

Ion	Ratio	Lower	Upper
142	100		
127	50.1	37.3	55.9
141	14.2	11.4	17.2

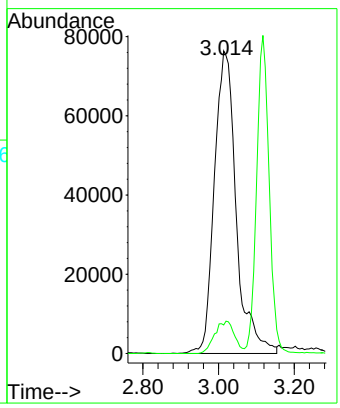




#11
Tert butyl alcohol
Concen: 947.555 ug/l
RT: 3.014 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 59 Resp: 306168

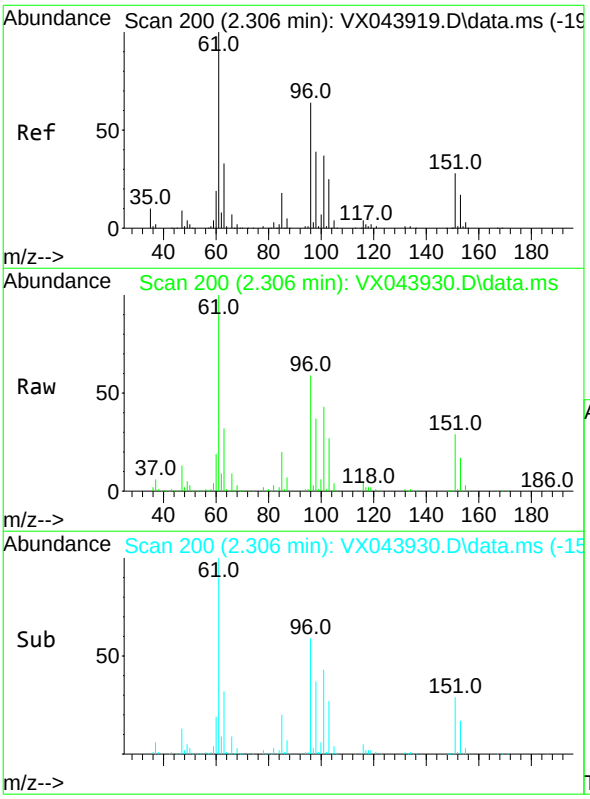
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

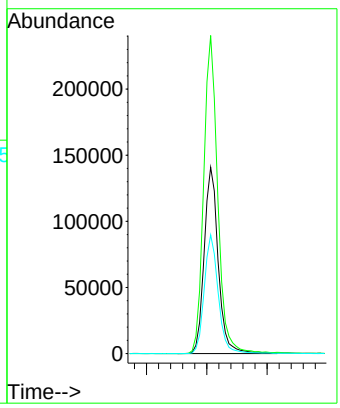
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

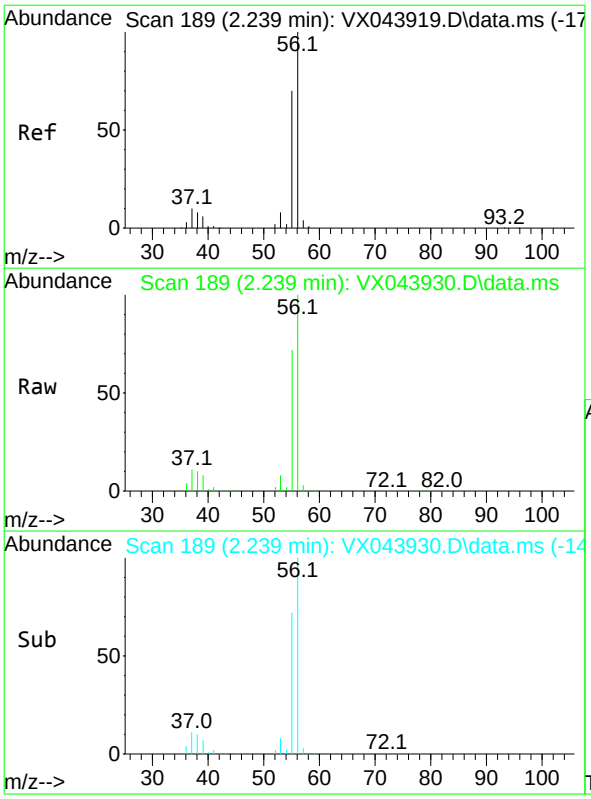


#12
1,1-Dichloroethene
Concen: 166.017 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 228504

Ion	Ratio	Lower	Upper
96	100		
61	170.7	124.6	187.0
98	63.7	49.0	73.6

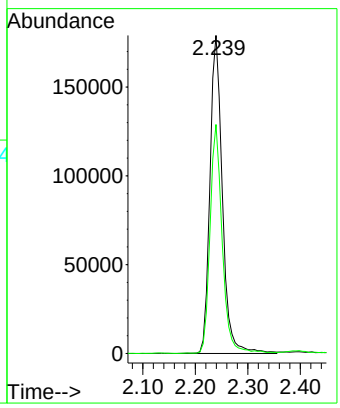




#13
Acrolein
Concen: 813.086 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 56 Resp: 294638

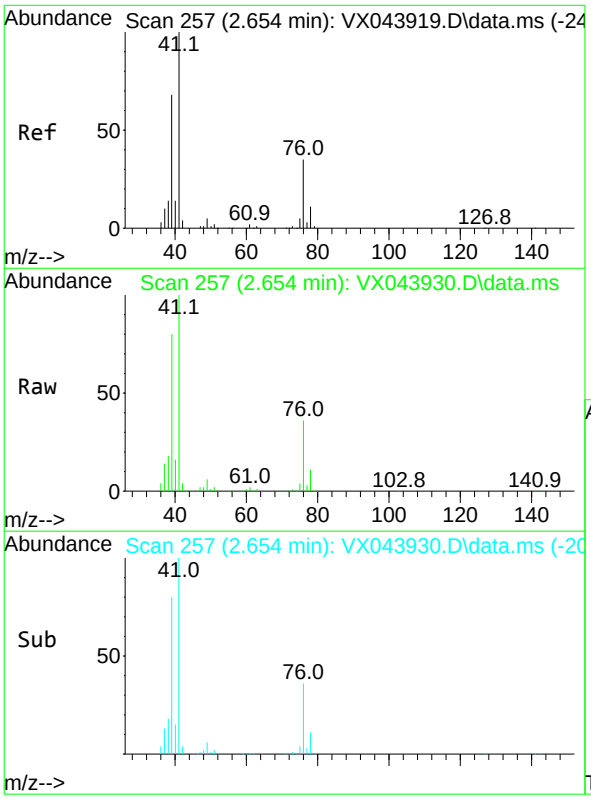
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

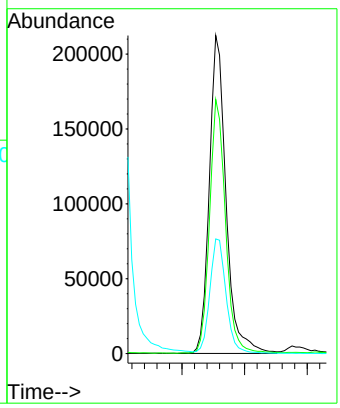
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

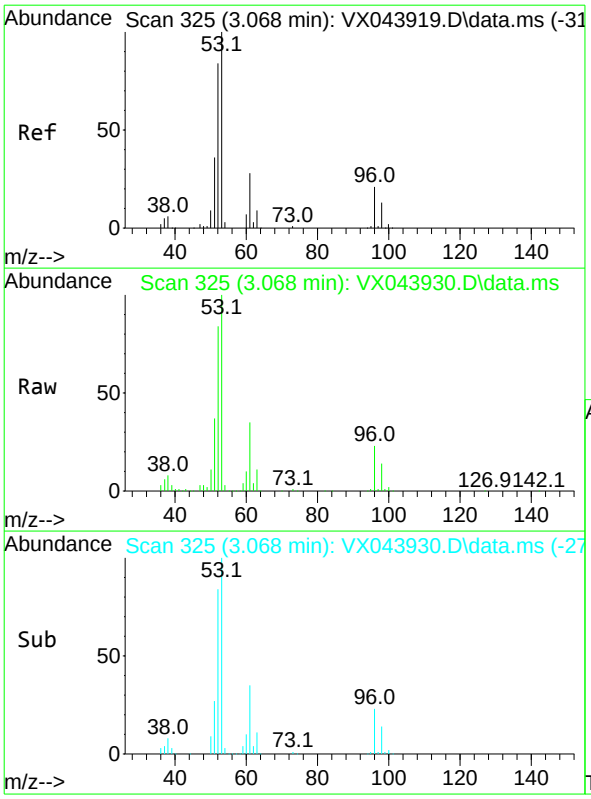


#14
Allyl chloride
Concen: 176.662 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228

Ion	Ratio	Lower	Upper
41	100		
39	76.1	51.7	77.5
76	35.2	28.2	42.2

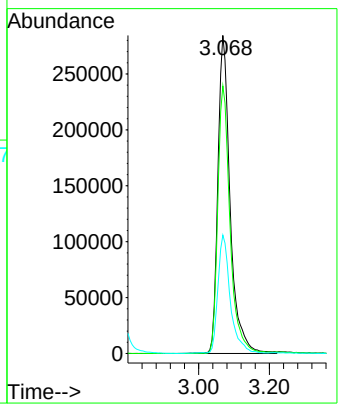




#15
Acrylonitrile
Concen: 822.558 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 53 Resp: 684169

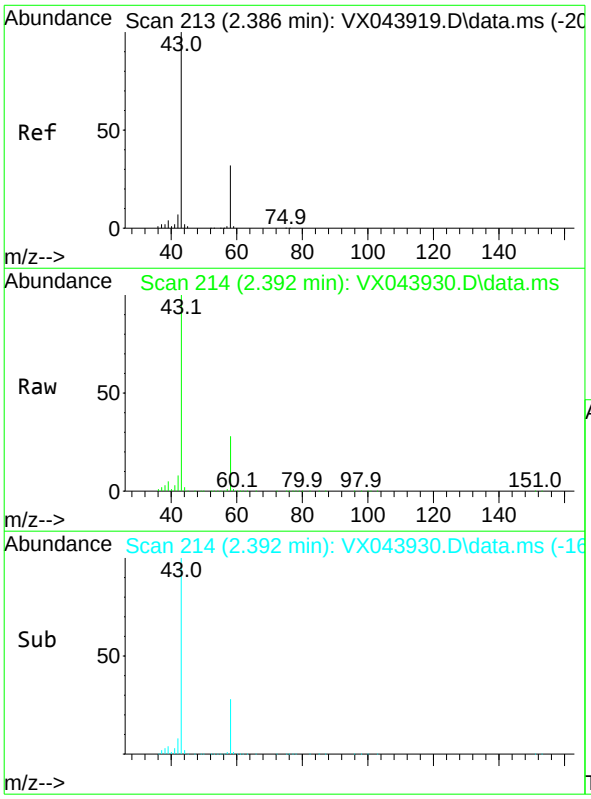
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	37.1	28.6	42.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

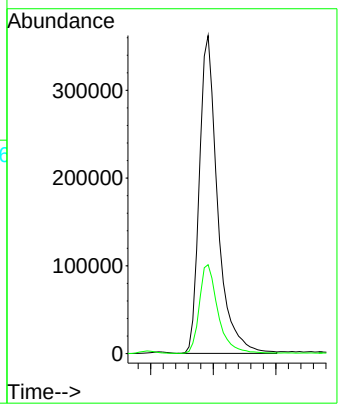
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

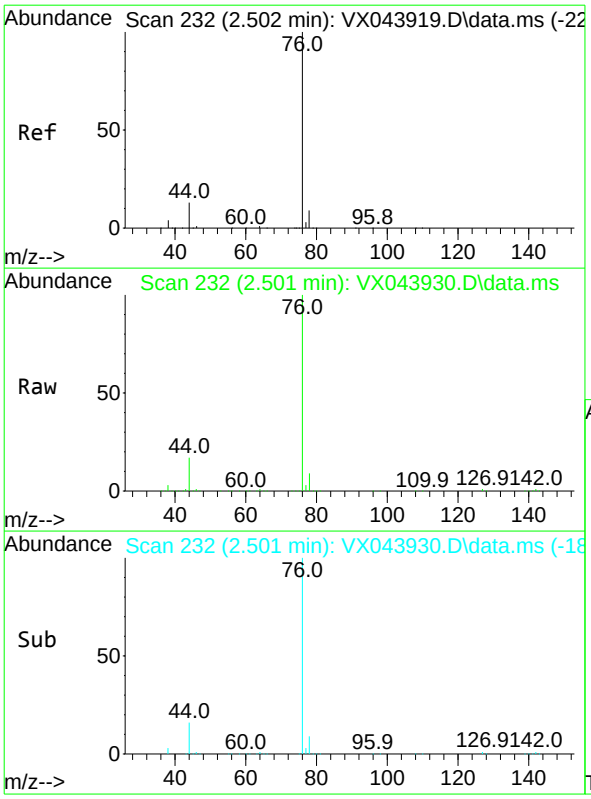


#16
Acetone
Concen: 899.588 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 734161

Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6

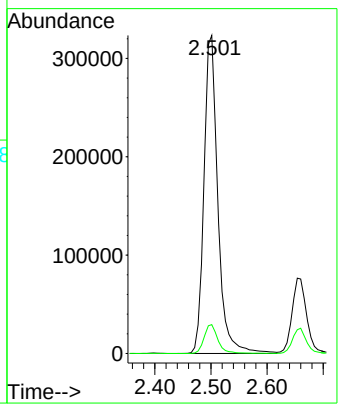




#17
Carbon Disulfide
Concen: 184.625 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 76 Resp: 554853

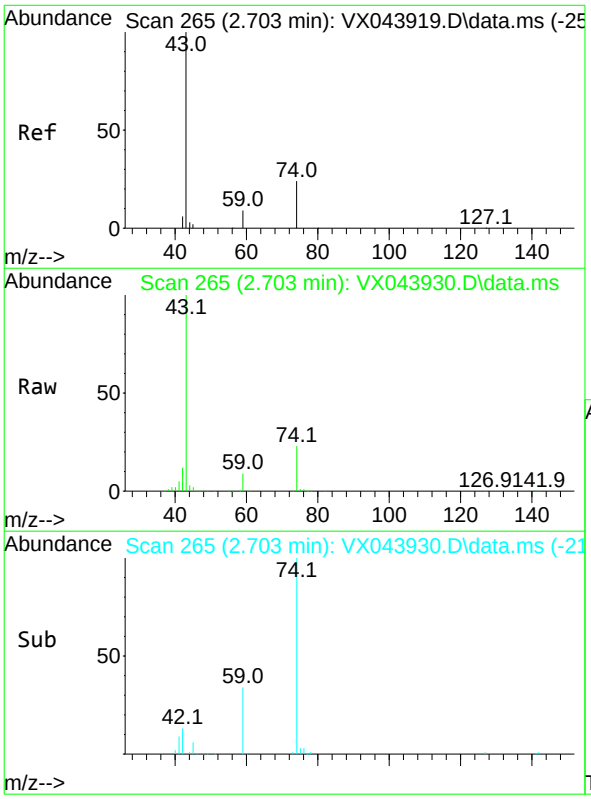
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

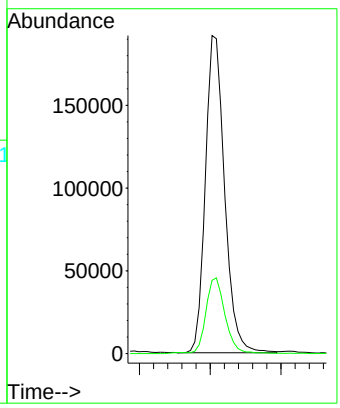
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

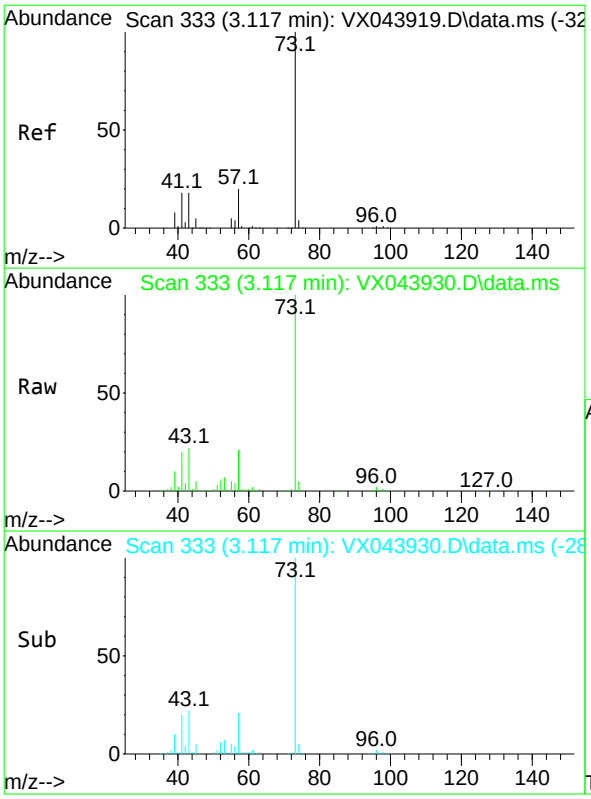


#18
Methyl Acetate
Concen: 161.681 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.1	30.1

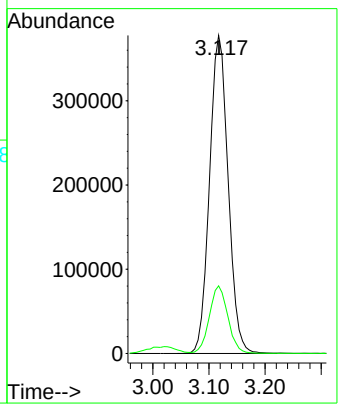




#19
Methyl tert-butyl Ether
Concen: 170.980 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 73 Resp: 869848

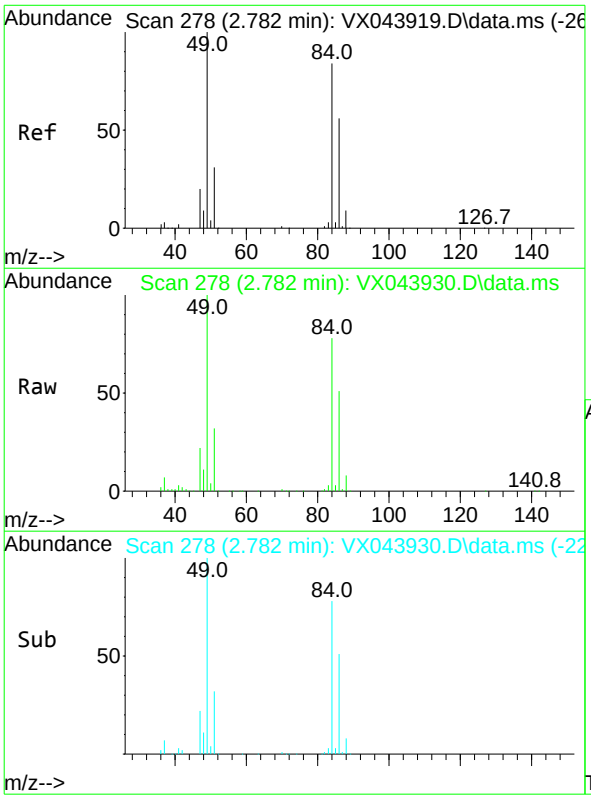
Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.4	24.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

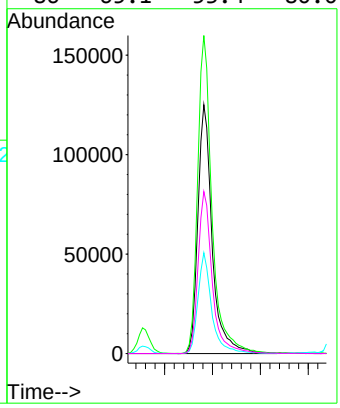
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

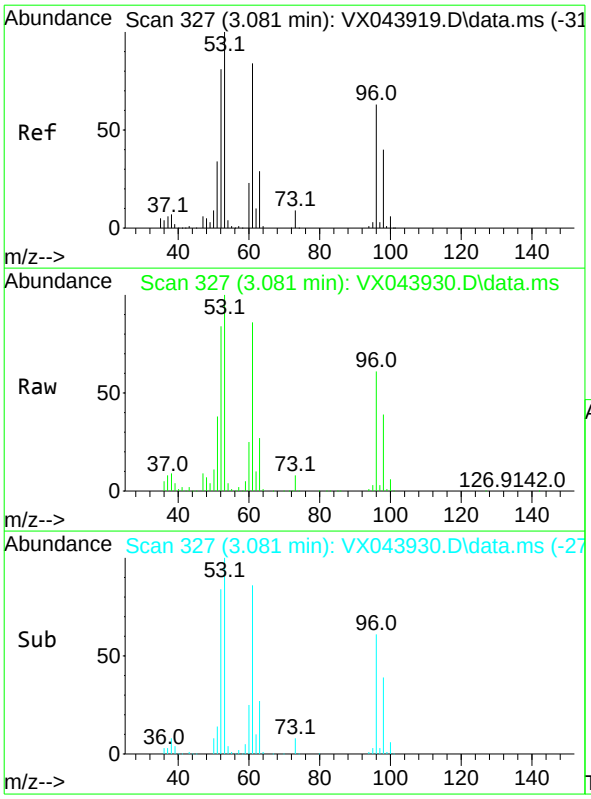


#20
Methylene Chloride
Concen: 152.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

Ion	Ratio	Lower	Upper
84	100		
49	127.7	95.1	142.7
51	40.5	29.2	43.8
86	65.1	53.4	80.0

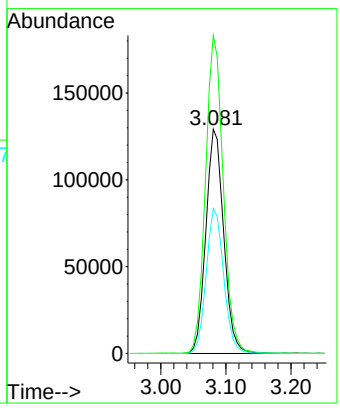




#21
trans-1,2-Dichloroethene
Concen: 163.596 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 245485

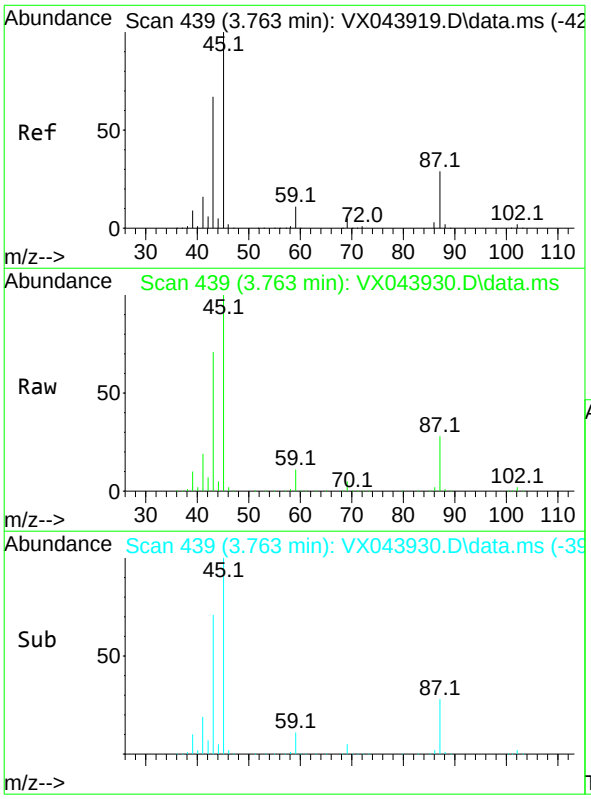
Ion	Ratio	Lower	Upper
96	100		
61	141.6	106.4	159.6
98	64.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

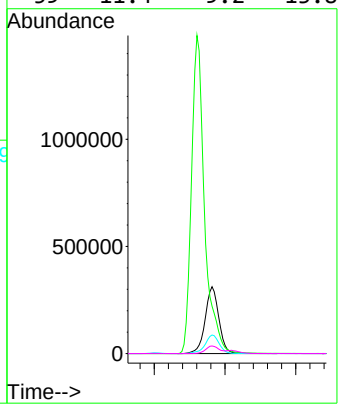
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

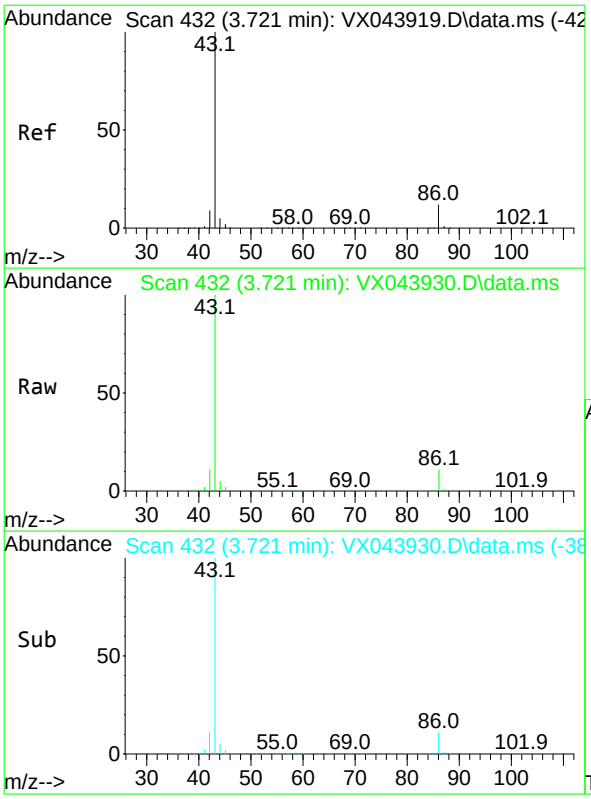


#22
Diisopropyl ether
Concen: 171.467 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

Ion	Ratio	Lower	Upper
45	100		
43	70.8	53.8	80.6
87	27.8	23.4	35.2
59	11.4	9.2	13.8

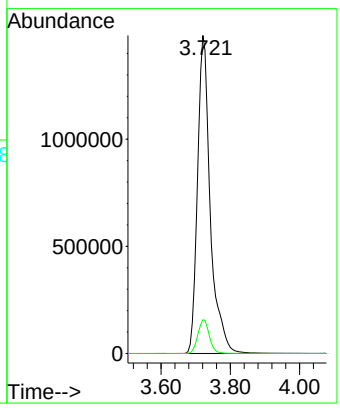




#23
Vinyl Acetate
Concen: 961.094 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 3797951

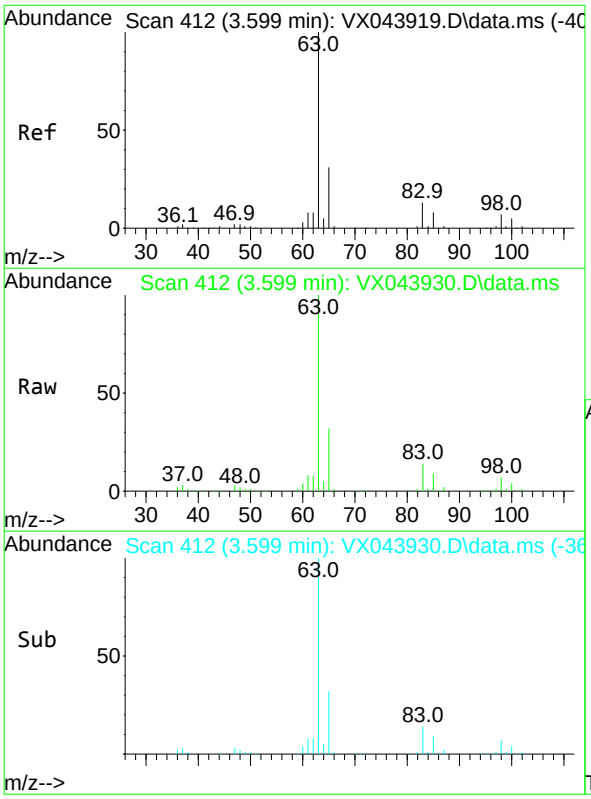
Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

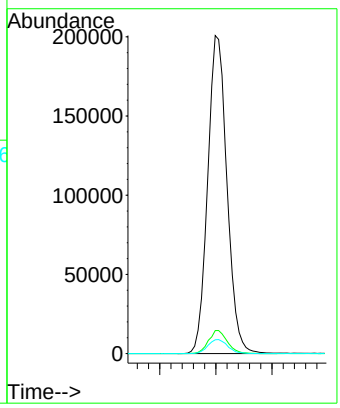
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

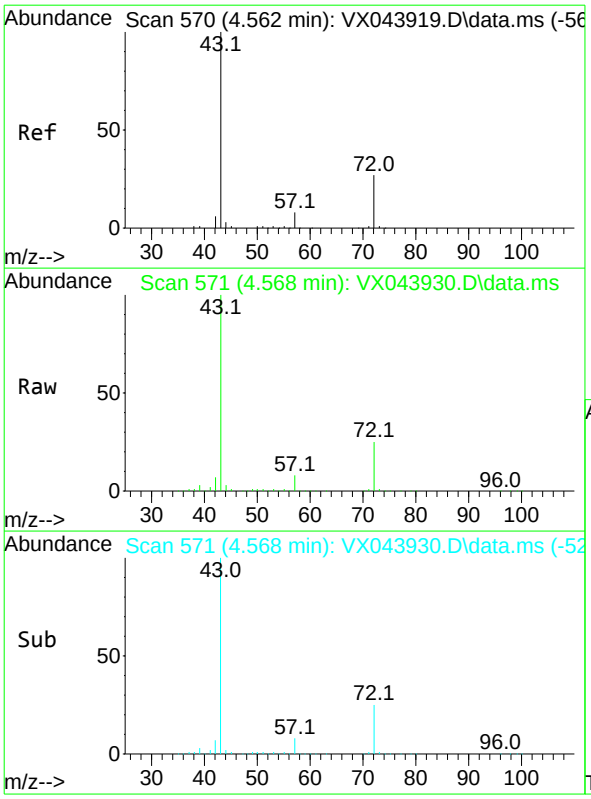


#24
1,1-Dichloroethane
Concen: 167.262 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	4.3	2.4	7.2

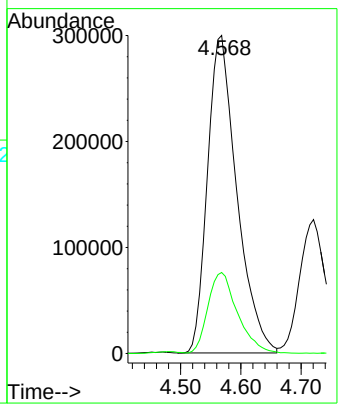




#25
2-Butanone
Concen: 887.025 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1012692

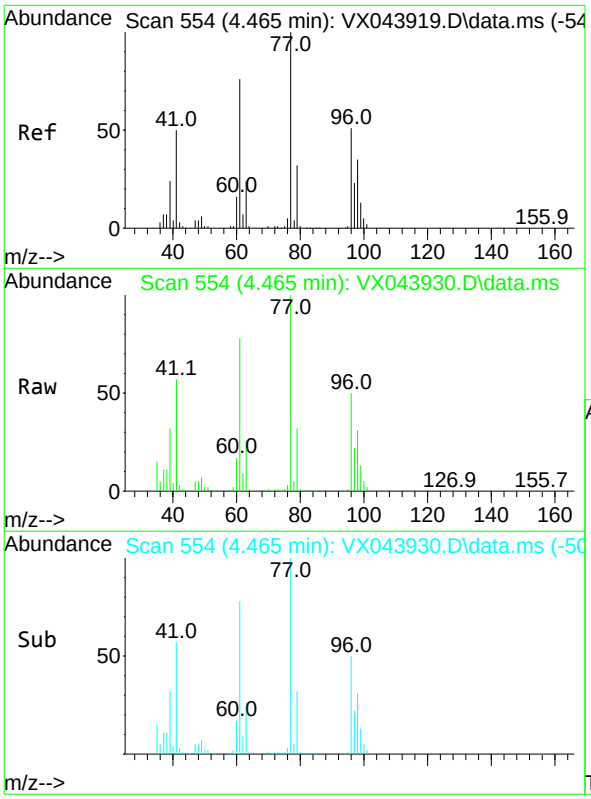
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.3	31.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

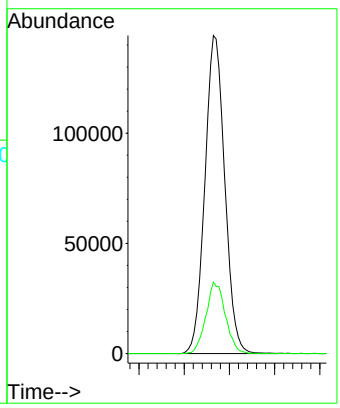
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

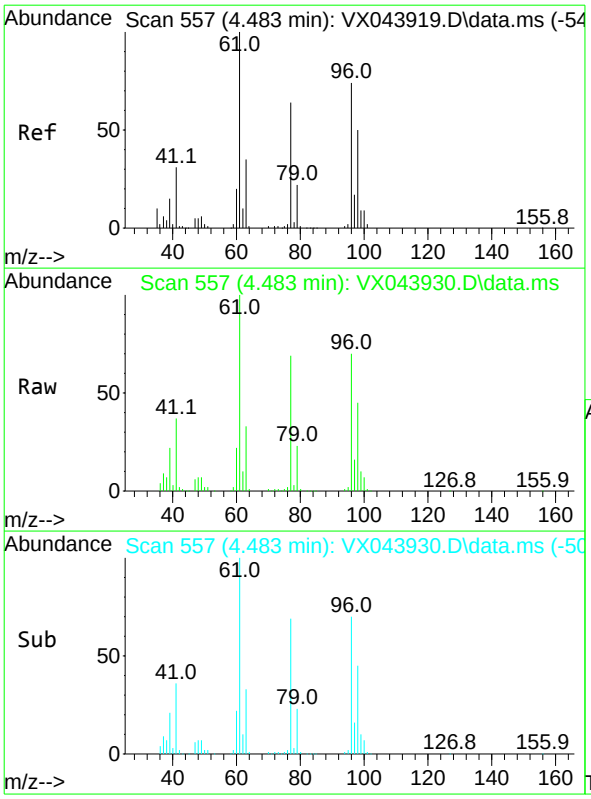


#26
2,2-Dichloropropane
Concen: 186.761 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.7	35.1

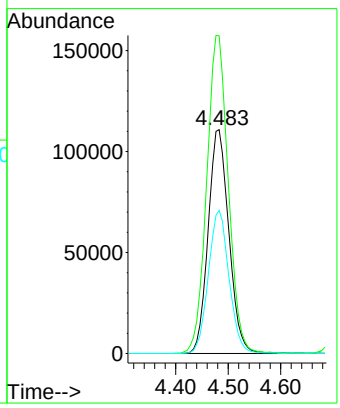




#27
cis-1,2-Dichloroethene
Concen: 162.978 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 304342

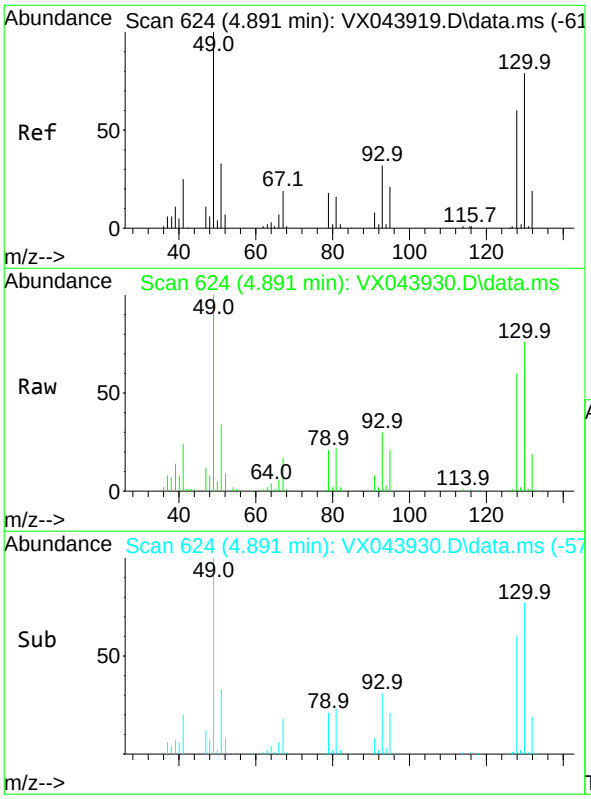
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	279.4
98	63.8	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

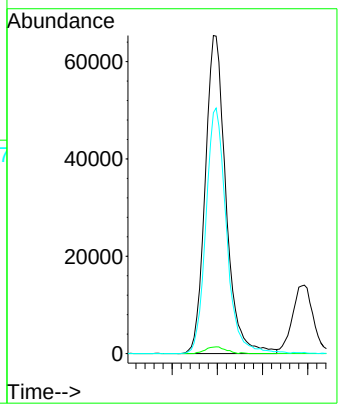
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

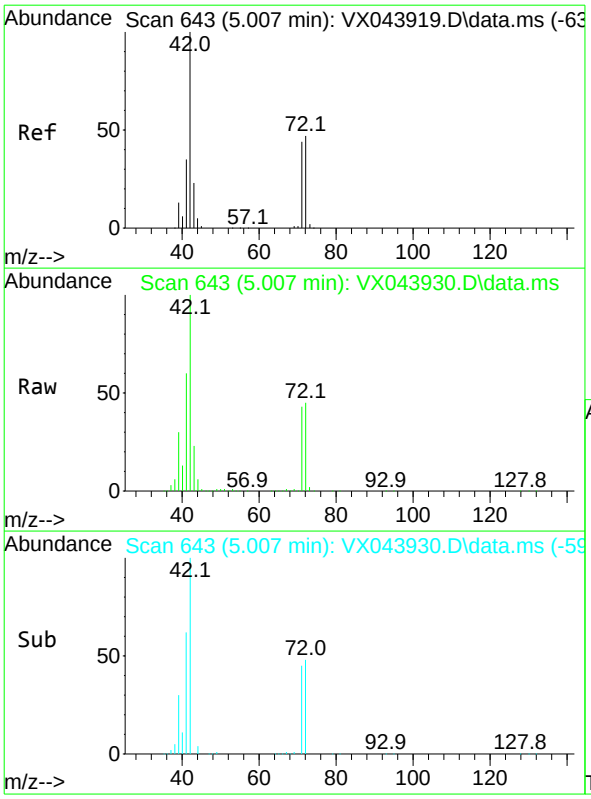


#28
Bromochloromethane
Concen: 172.194 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.4	68.2	102.2

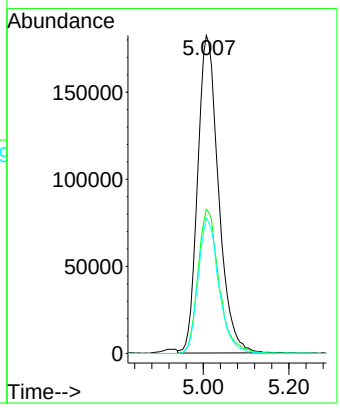




#29
Tetrahydrofuran
Concen: 836.734 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 42 Resp: 617277

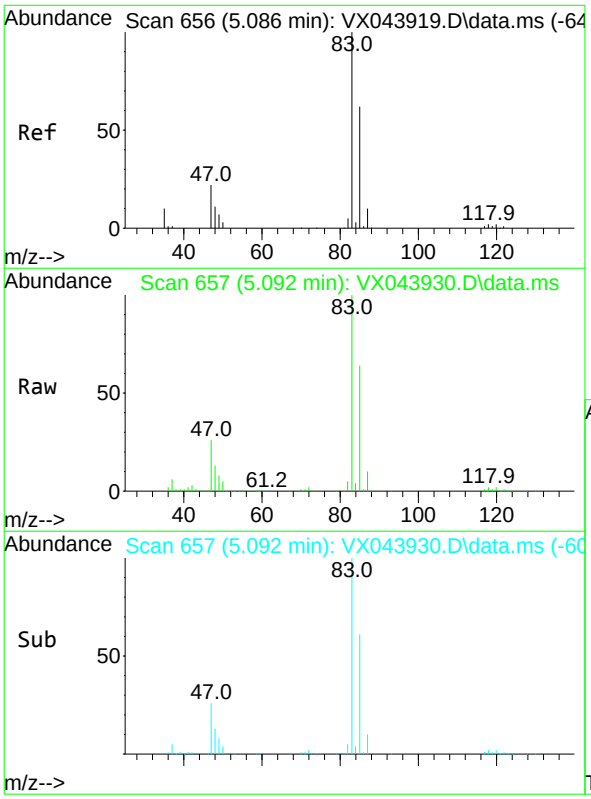
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	42.3	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

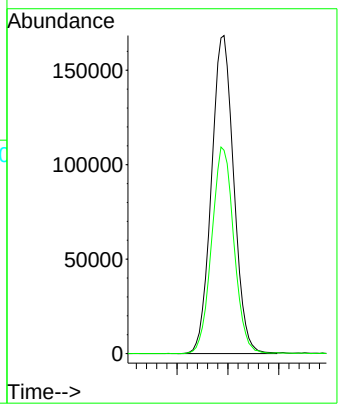
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

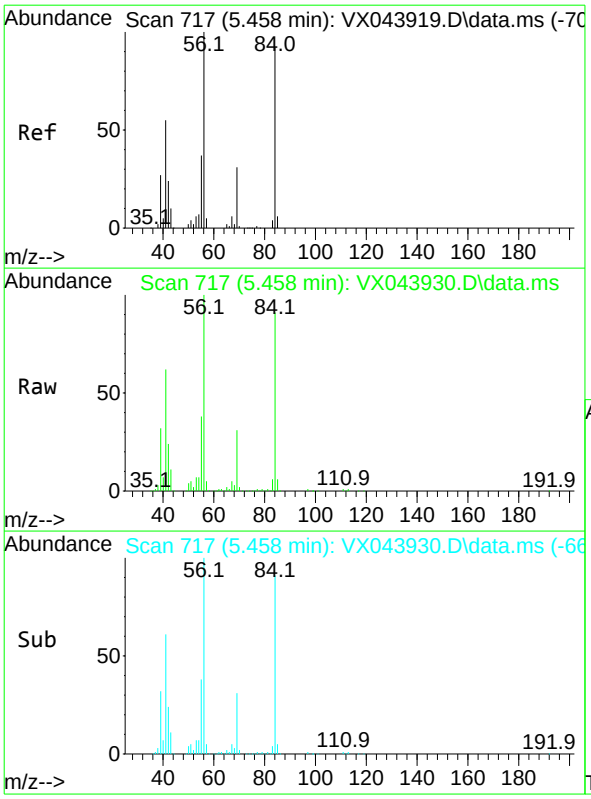


#30
Chloroform
Concen: 171.734 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.7	74.5

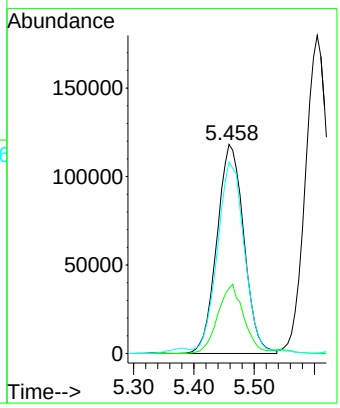




#31
Cyclohexane
Concen: 157.989 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 56 Resp: 367157

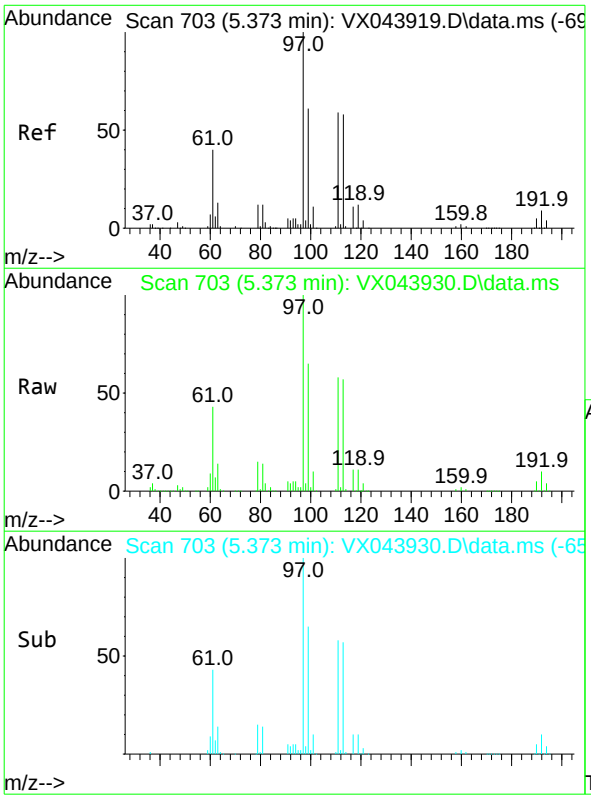
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	89.9	73.8	110.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

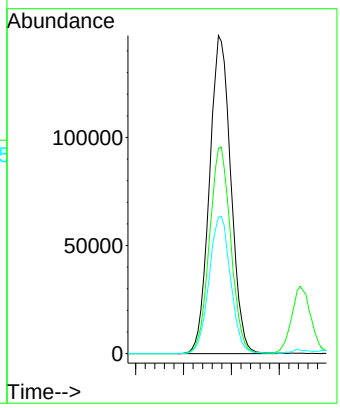
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

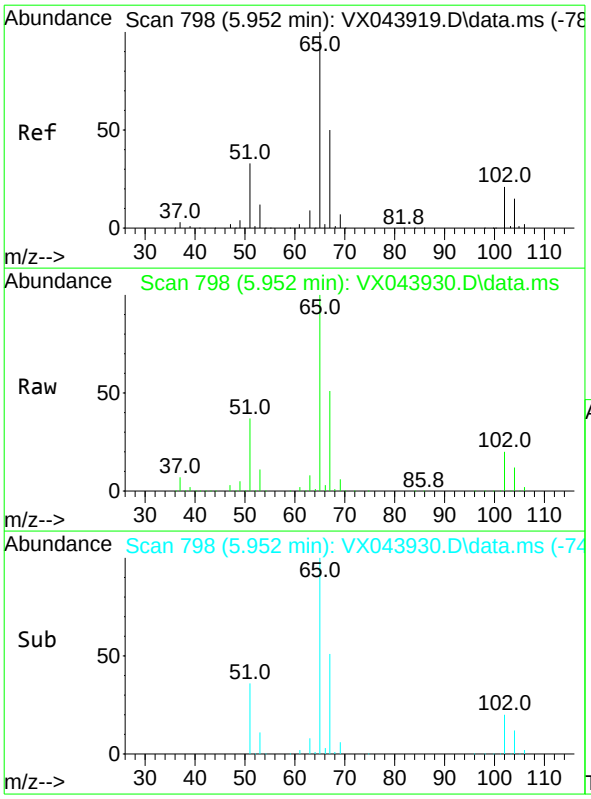


#32
1,1,1-Trichloroethane
Concen: 178.438 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	43.5	32.9	49.3

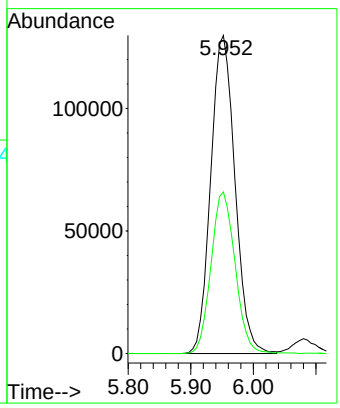




#33
1,2-Dichloroethane-d4
Concen: 171.797 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 65 Resp: 349080

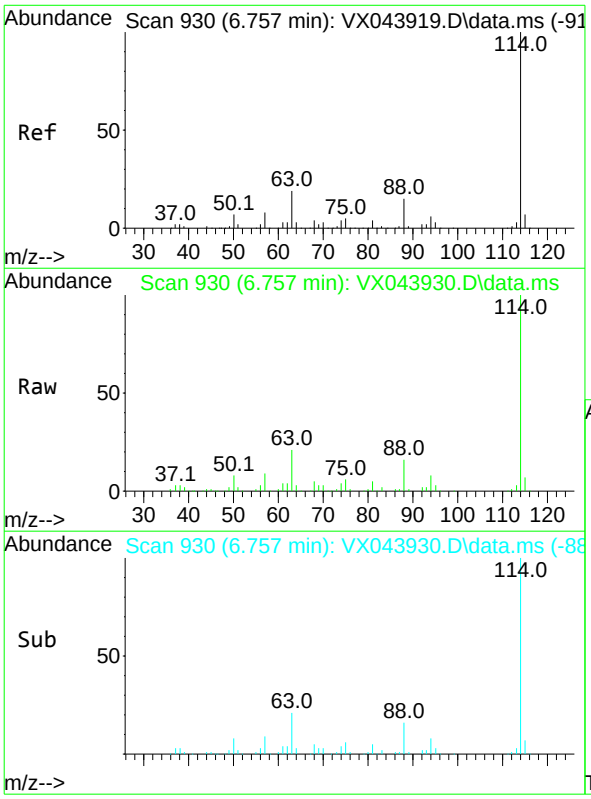
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

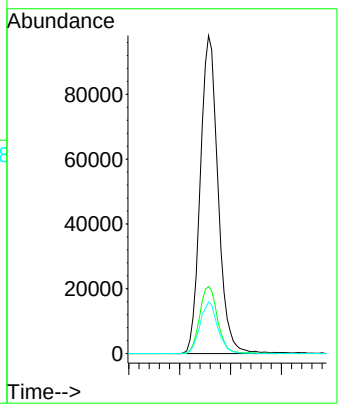
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

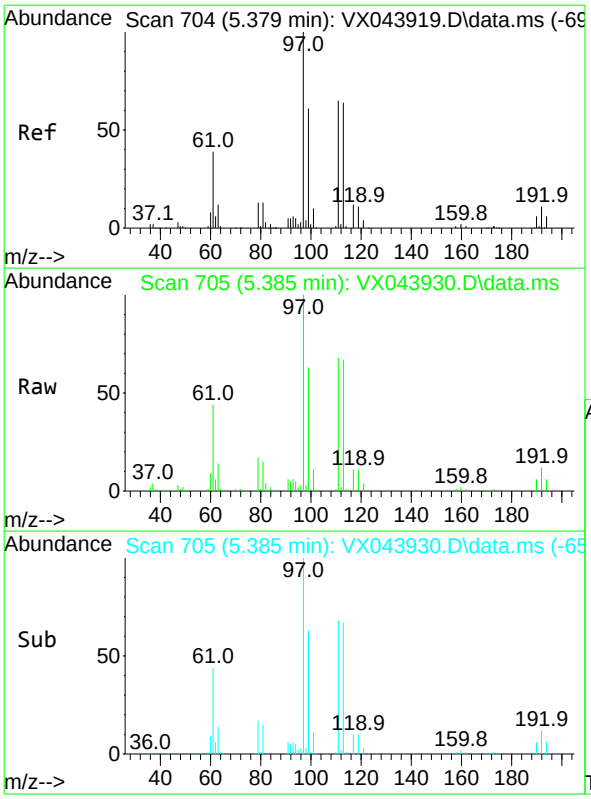


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.0
88	16.2	0.0	30.2

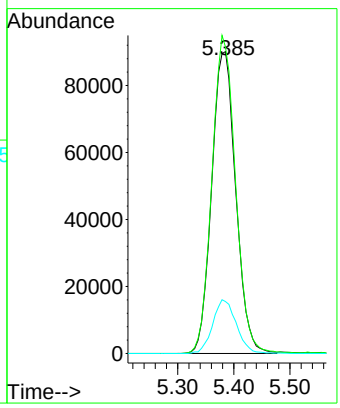




#35
Dibromofluoromethane
Concen: 168.036 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:113 Resp: 268135

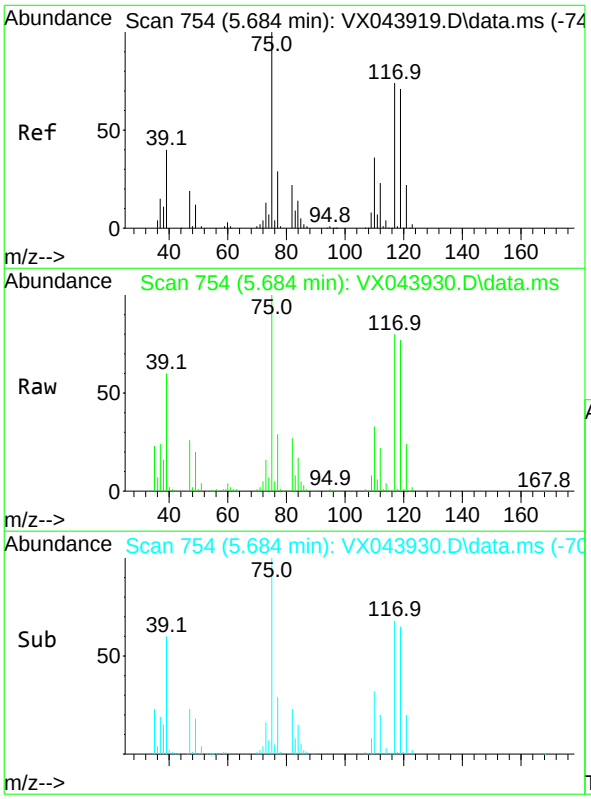
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	17.6	14.2	21.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

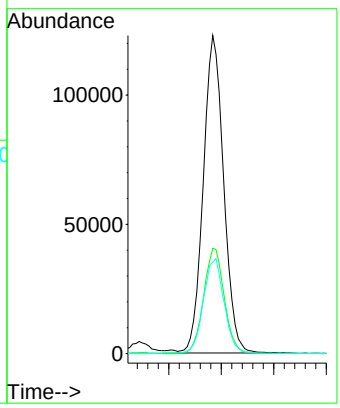
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

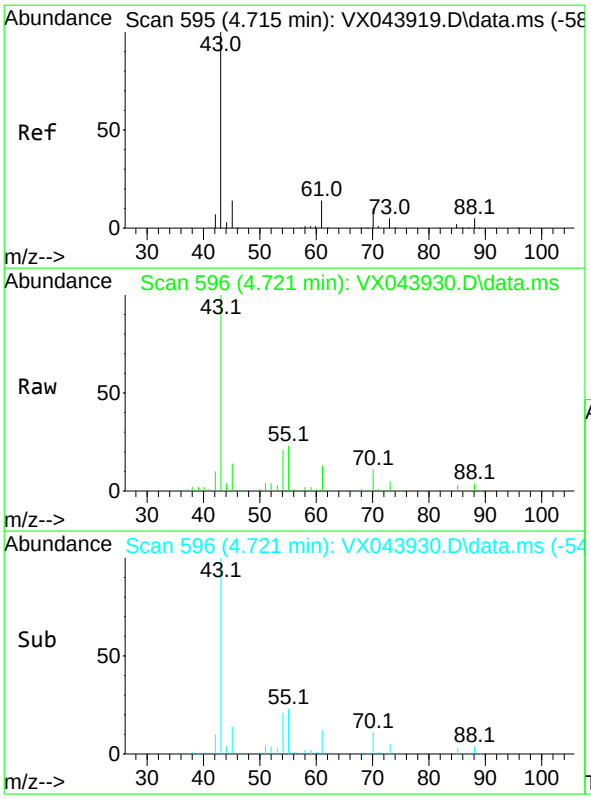


#36
1,1-Dichloropropene
Concen: 166.559 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.5	52.5
77	30.3	24.9	37.3

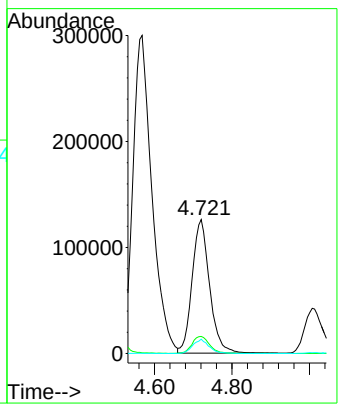




#37
Ethyl Acetate
Concen: 175.887 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 393670

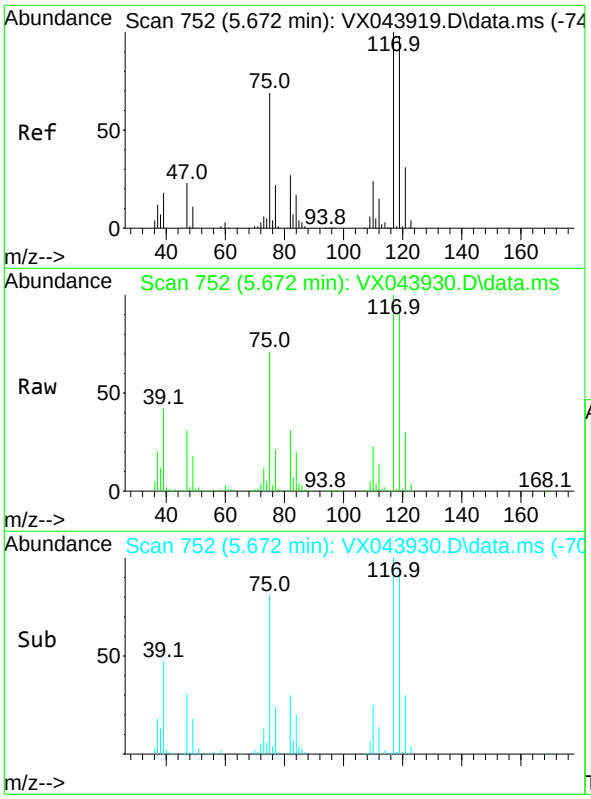
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.5	17.3
70	9.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

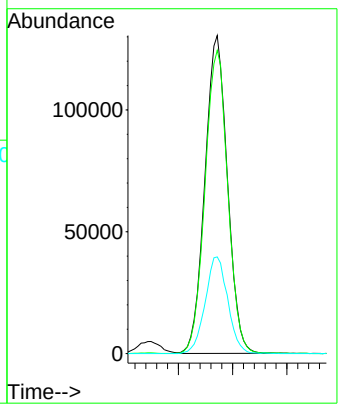
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

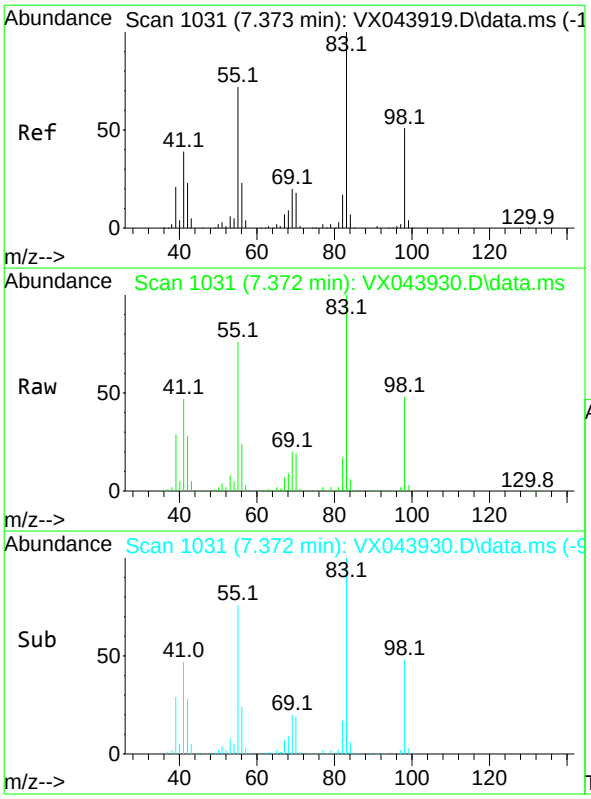


#38
Carbon Tetrachloride
Concen: 178.719 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 376287

Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.3	117.5
121	30.4	25.1	37.7

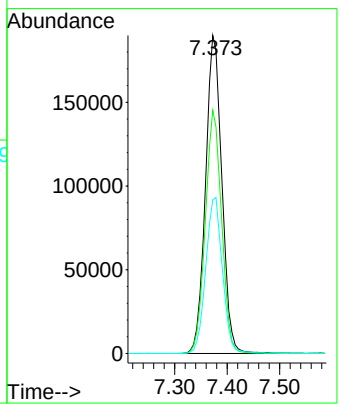




#39
Methylcyclohexane
Concen: 164.816 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 410333

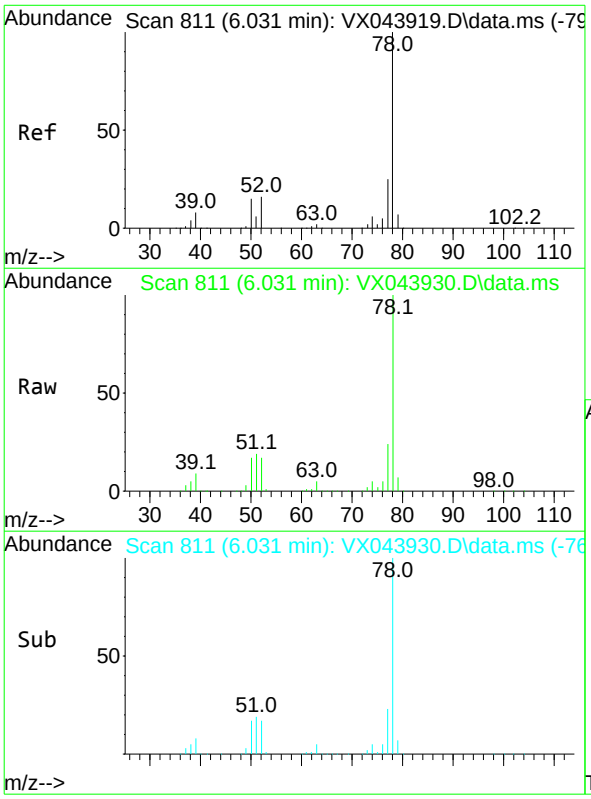
Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.9	86.9
98	48.3	40.5	60.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

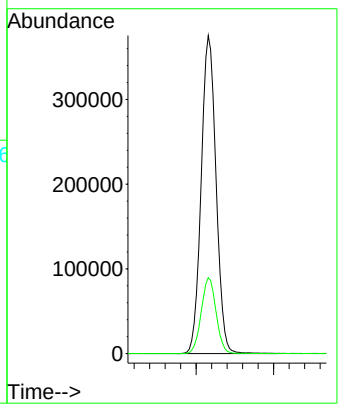
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

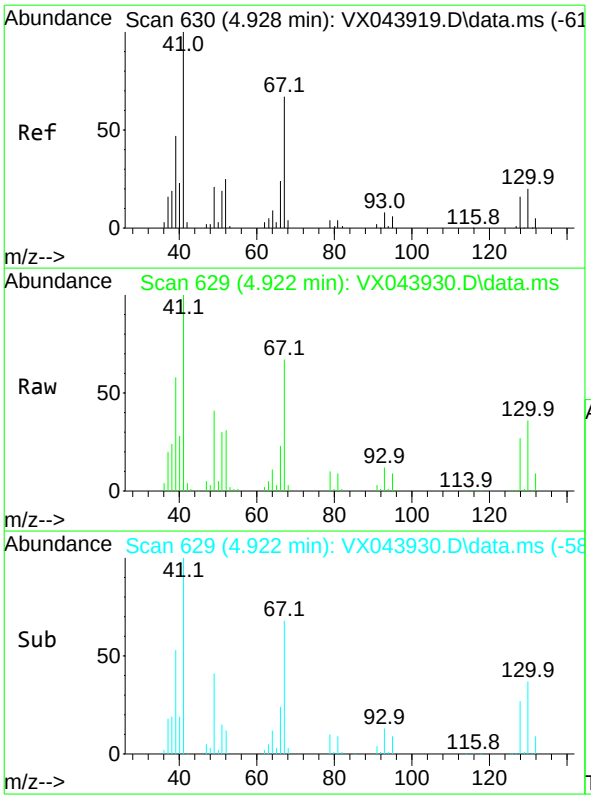


#40
Benzene
Concen: 159.808 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.8

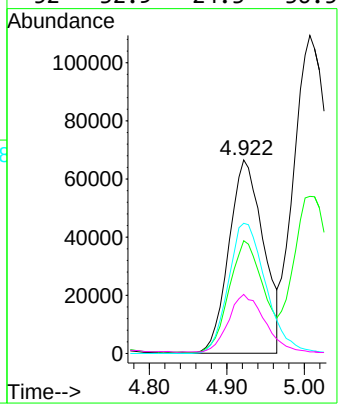




#41
Methacrylonitrile
Concen: 176.637 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 206026

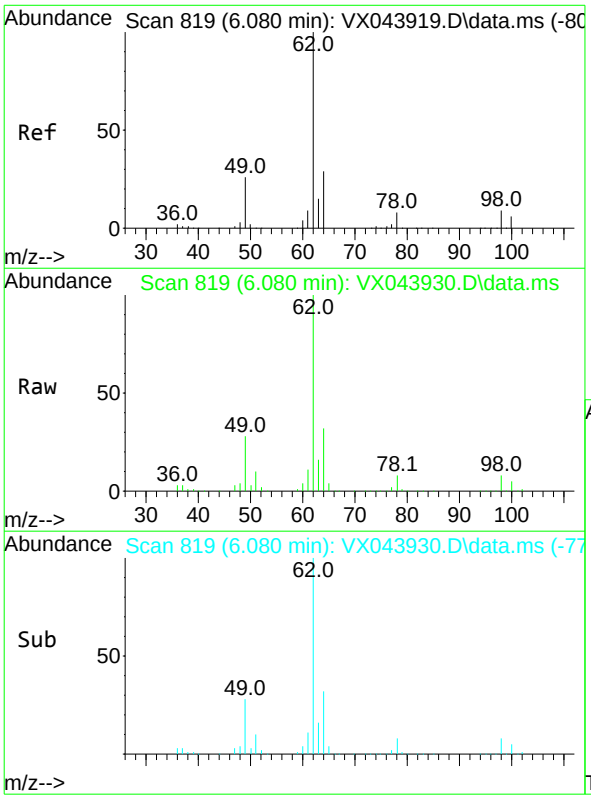
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.2	61.8
67	73.5	60.3	90.5
52	32.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

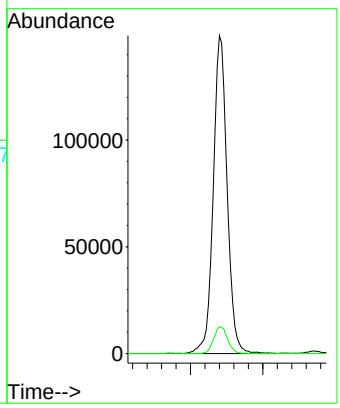
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

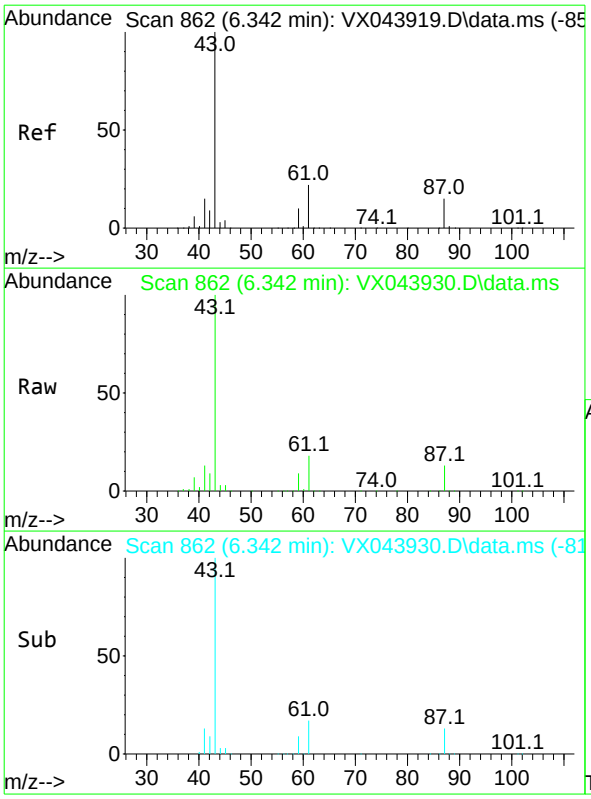


#42
1,2-Dichloroethane
Concen: 175.089 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.6

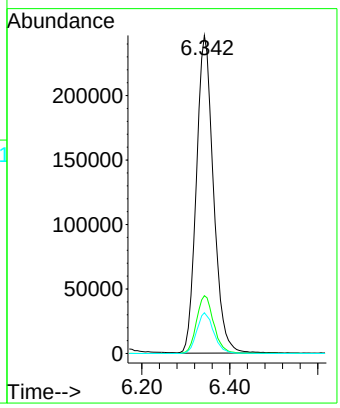




#43
Isopropyl Acetate
Concen: 187.445 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 661839

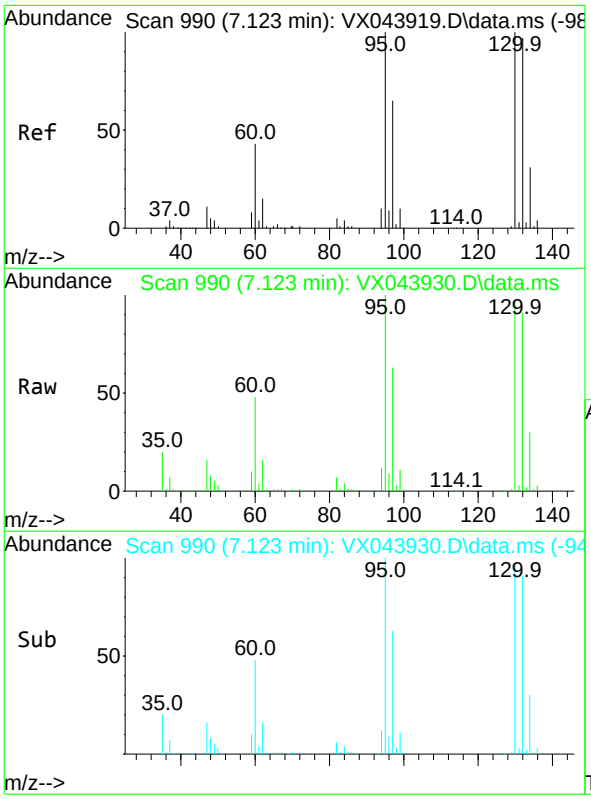
Ion	Ratio	Lower	Upper
43	100		
61	18.4	16.9	25.3
87	12.7	11.9	17.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

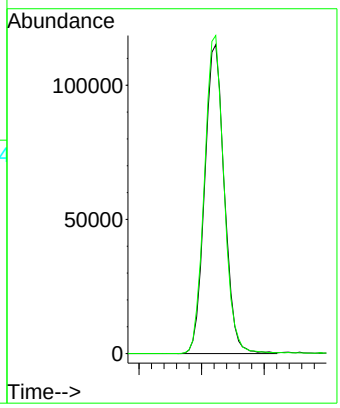
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

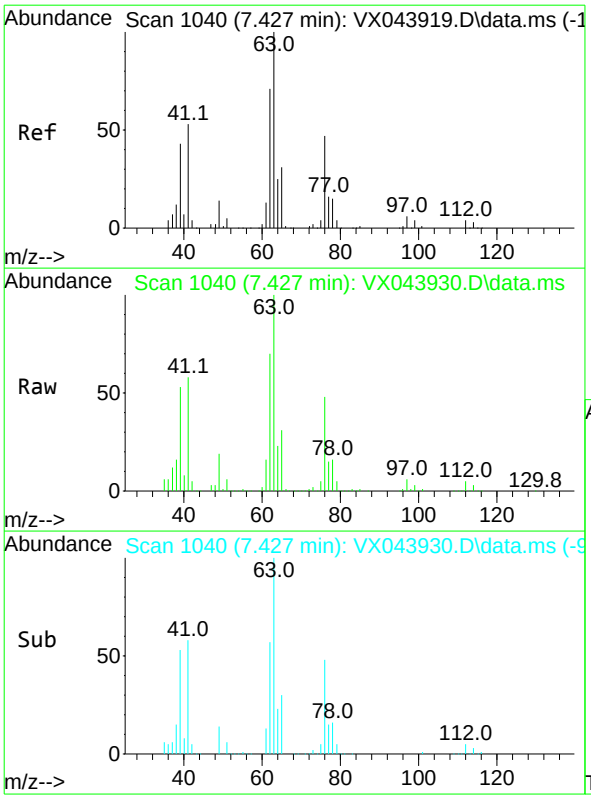


#44
Trichloroethene
Concen: 145.657 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	200.8

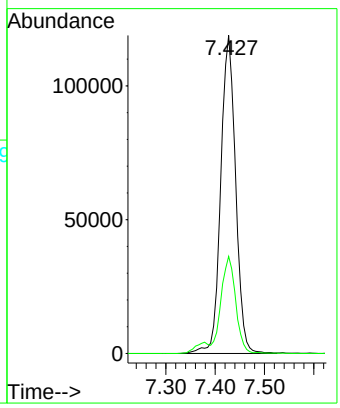




#45
1,2-Dichloropropane
Concen: 162.744 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 249394

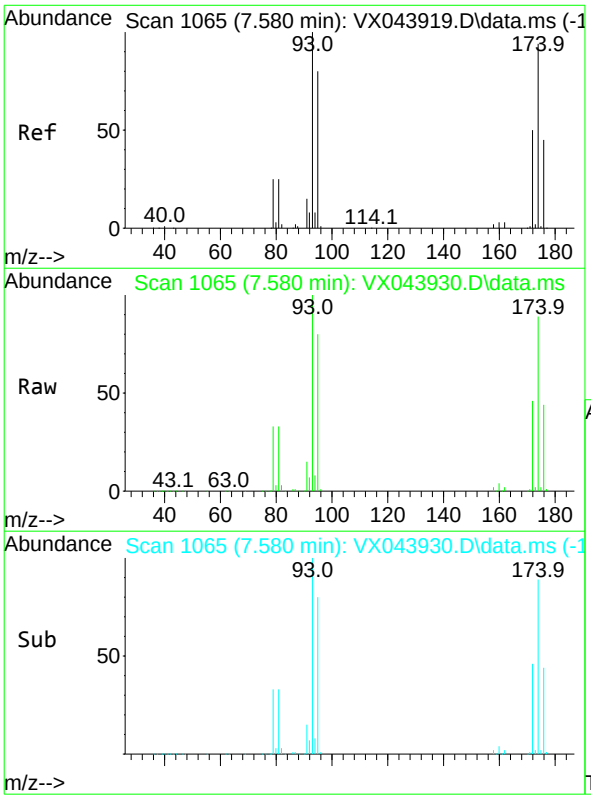
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

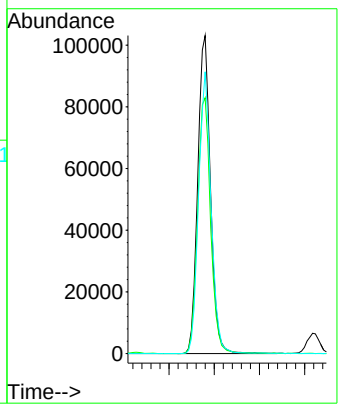
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

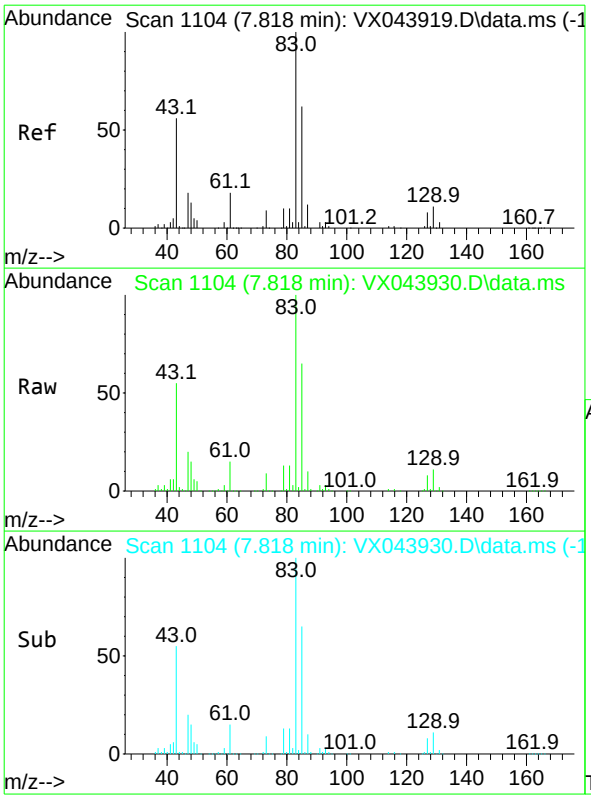


#46
Dibromomethane
Concen: 175.212 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.1	99.1
174	86.4	75.2	112.8

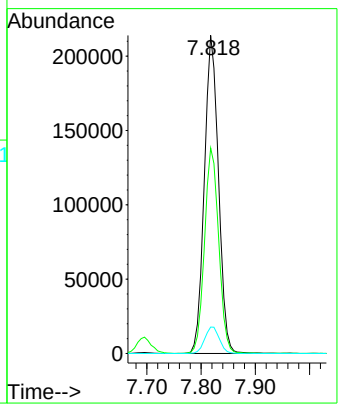




#47
Bromodichloromethane
Concen: 191.362 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 388259

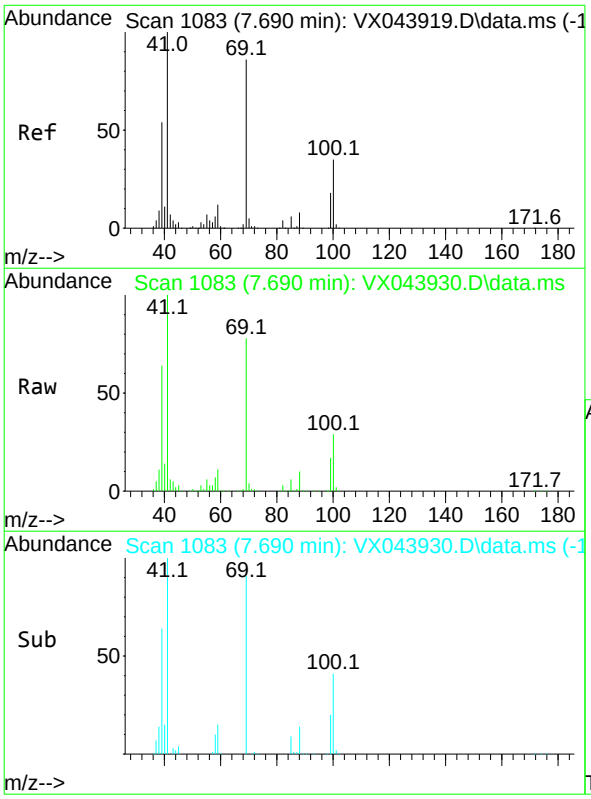
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0
127	8.3	6.2	9.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

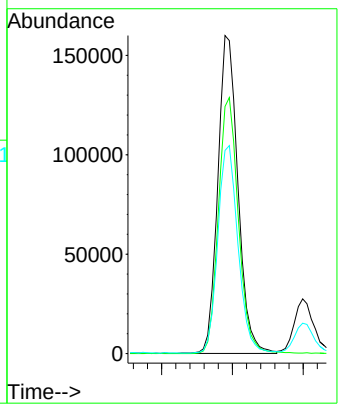
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

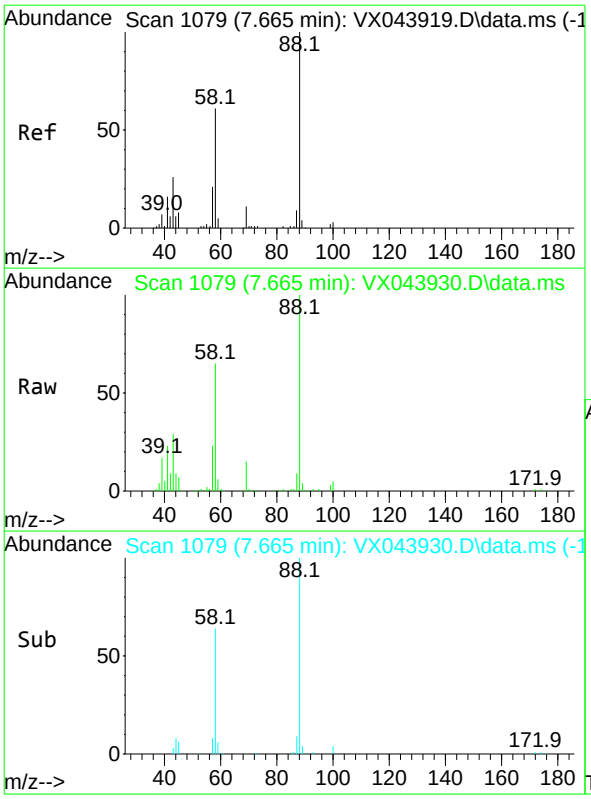


#48
Methyl methacrylate
Concen: 180.493 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872

Ion	Ratio	Lower	Upper
41	100		
69	80.1	72.1	108.1
39	65.4	43.8	65.8

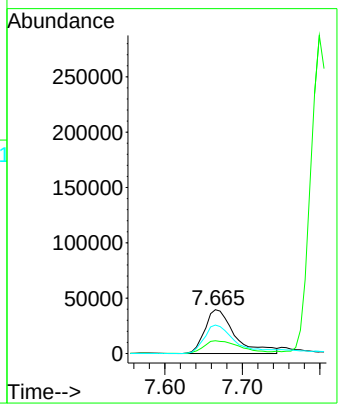




#49
1,4-Dioxane
Concen: 2860.706 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 88 Resp: 106634

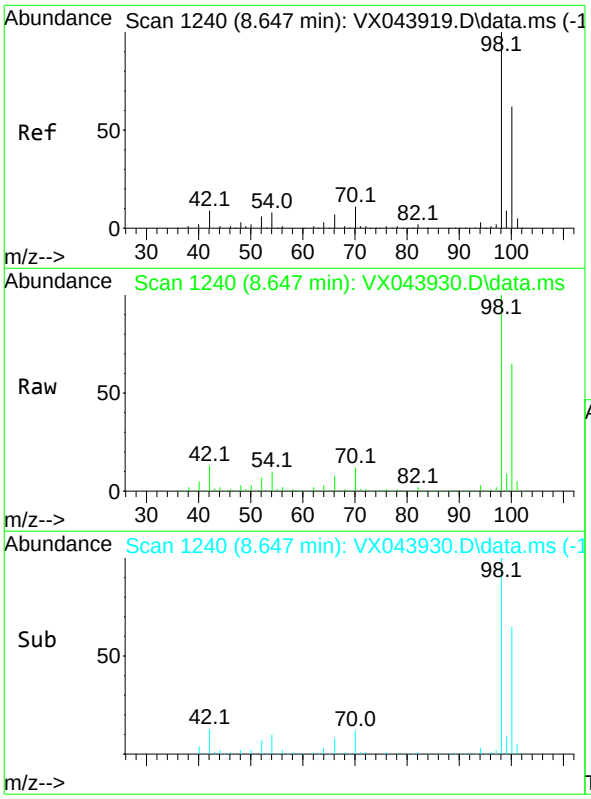
Ion	Ratio	Lower	Upper
88	100		
43	35.6	17.4	26.0#
58	66.2	41.0	61.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

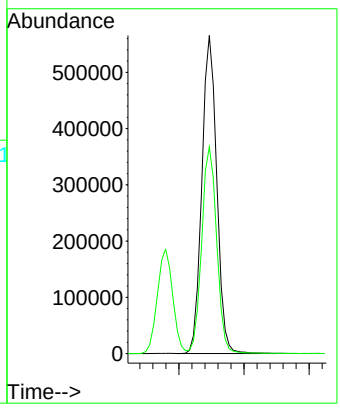
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

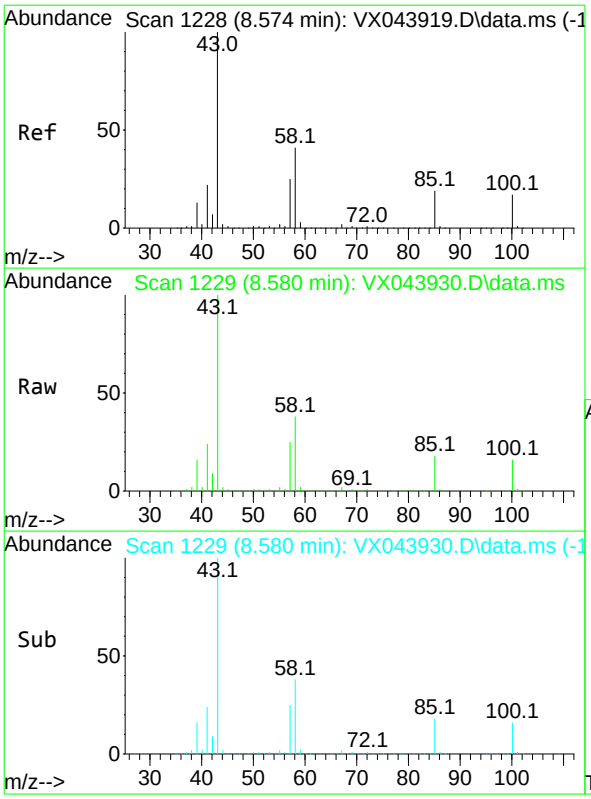


#50
Toluene-d8
Concen: 168.154 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6

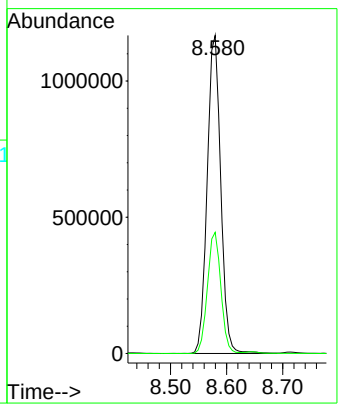




#51
4-Methyl-2-Pentanone
Concen: 887.971 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1954925

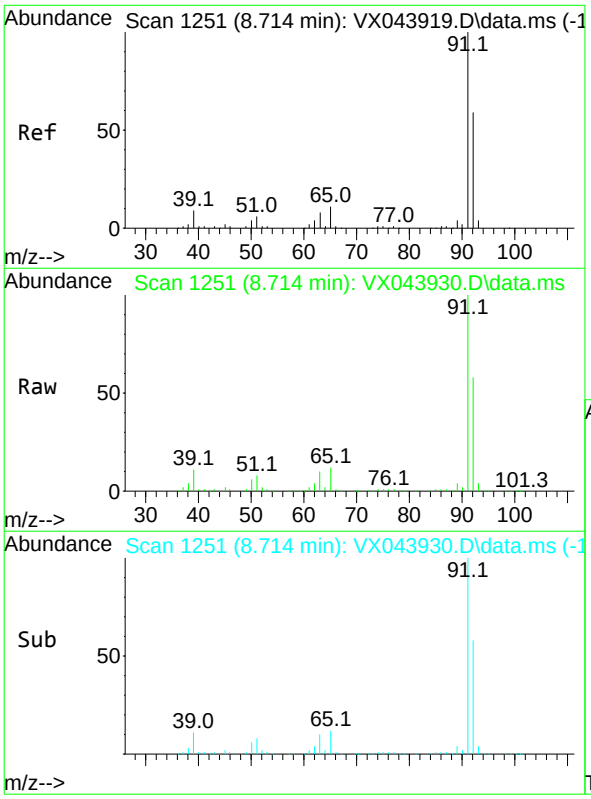
Ion	Ratio	Lower	Upper
43	100		
58	37.8	32.4	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

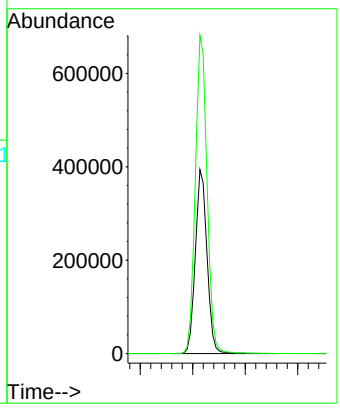
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

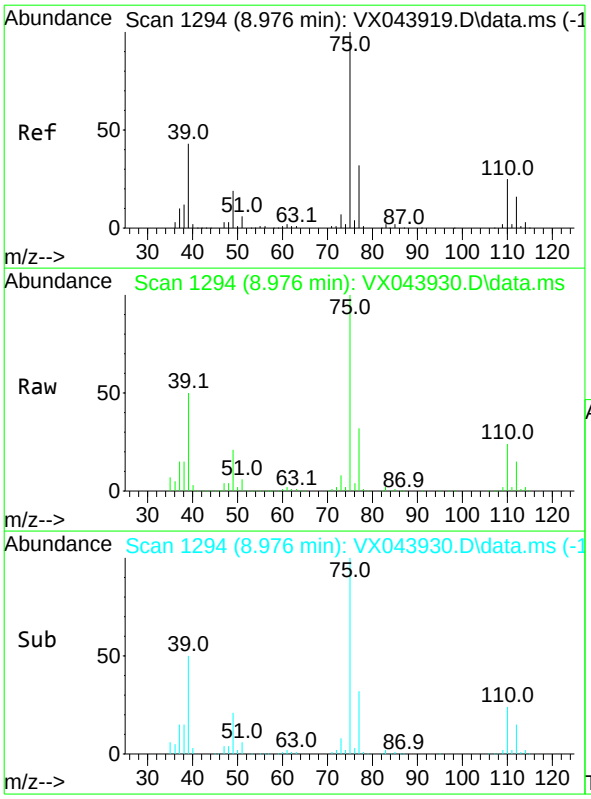


#52
Toluene
Concen: 168.323 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

Ion	Ratio	Lower	Upper
92	100		
91	173.9	136.2	204.4

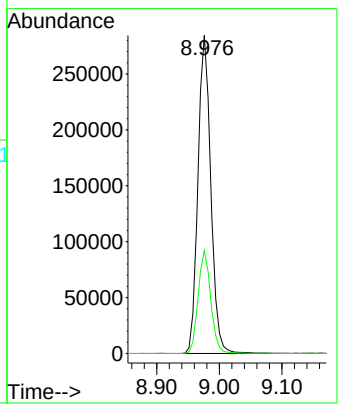




#53
t-1,3-Dichloropropene
Concen: 197.387 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 406346

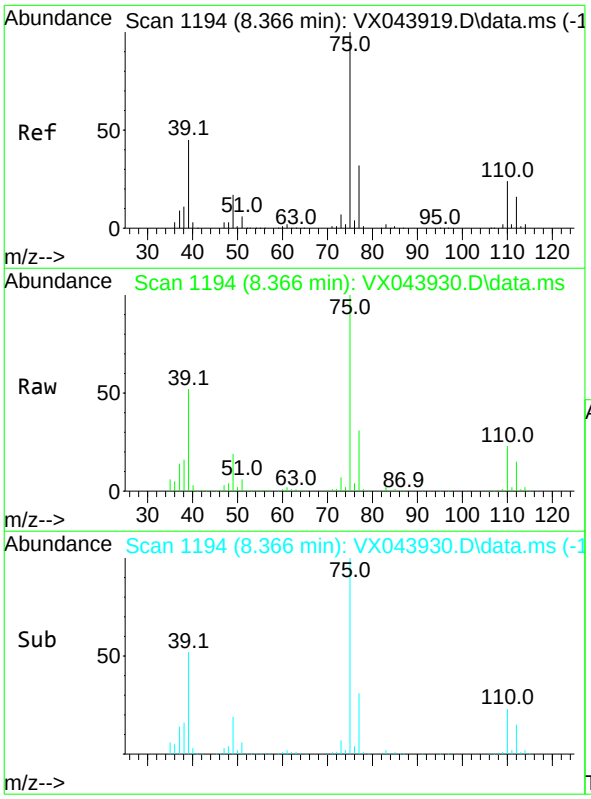
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

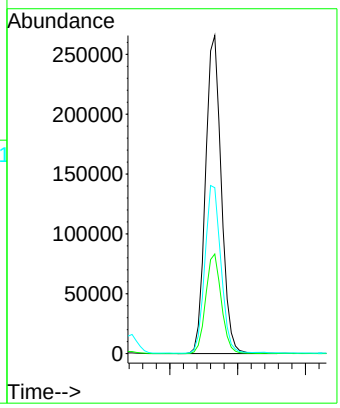
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

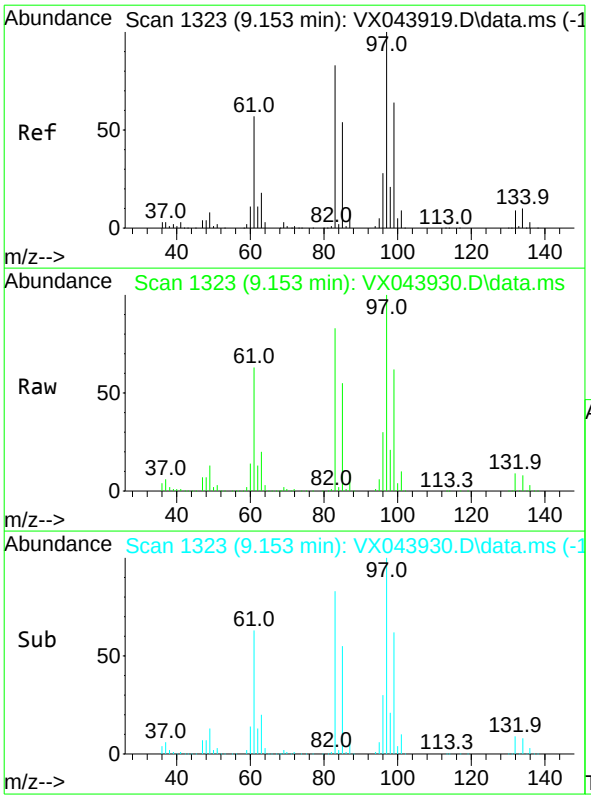


#54
cis-1,3-Dichloropropene
Concen: 183.704 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 428549

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	52.0	36.1	54.1

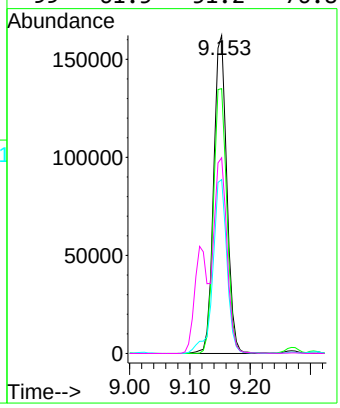




#55
1,1,2-Trichloroethane
Concen: 174.579 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 245706

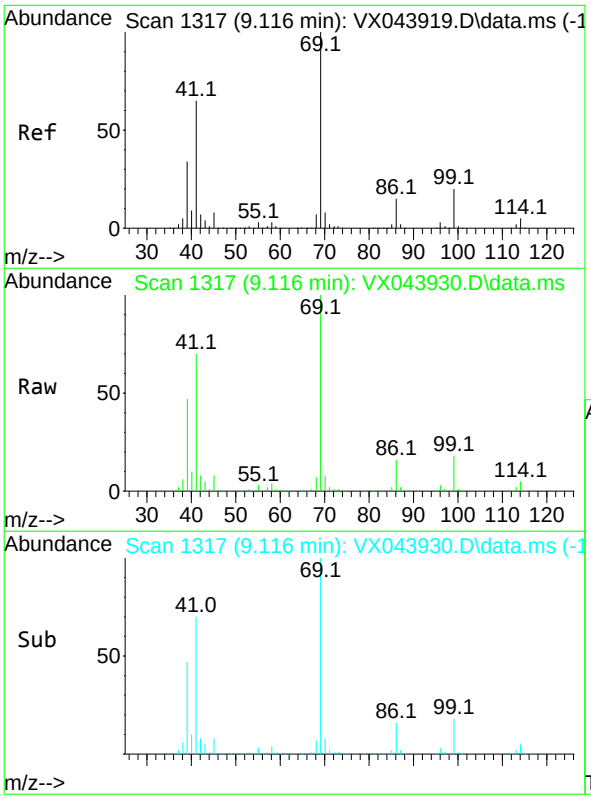
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.5	99.7
85	54.7	43.4	65.2
99	61.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

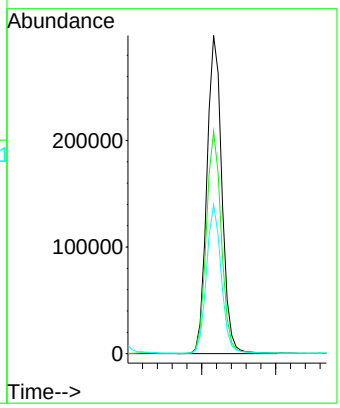
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

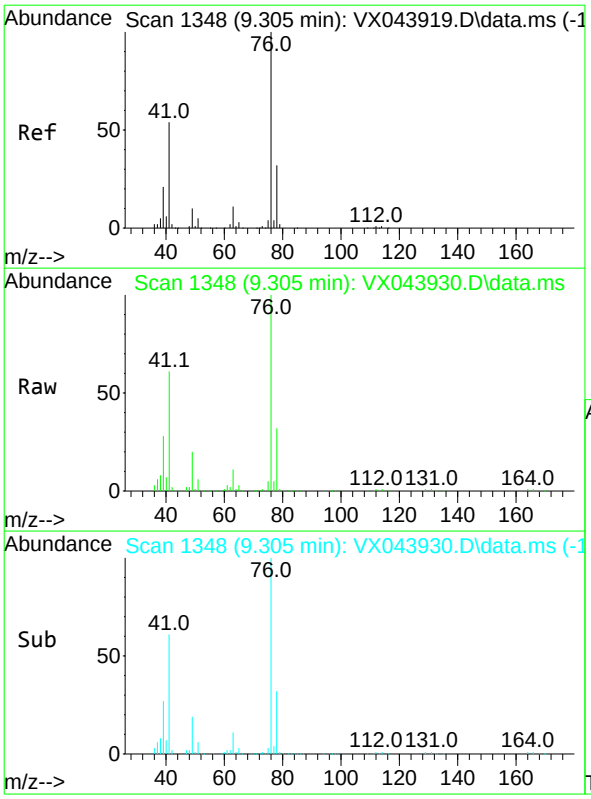


#56
Ethyl methacrylate
Concen: 188.658 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

Ion	Ratio	Lower	Upper
69	100		
41	69.6	51.7	77.5
39	45.9	26.8	40.2#

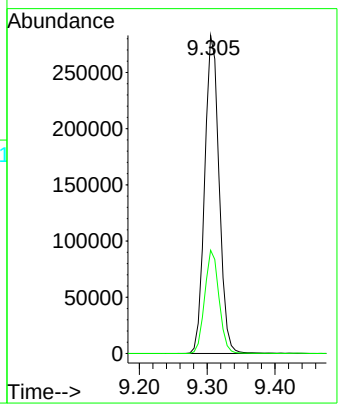




#57
1,3-Dichloropropane
Concen: 176.770 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 76 Resp: 416811

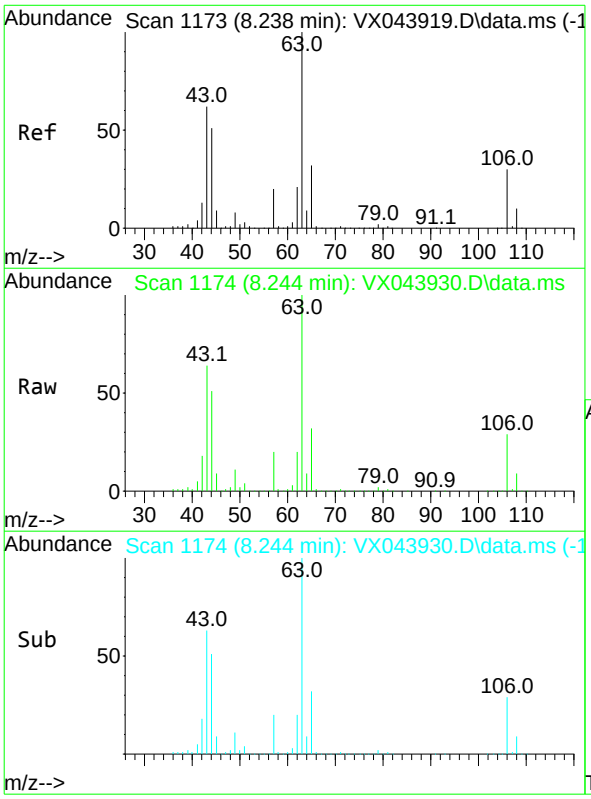
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

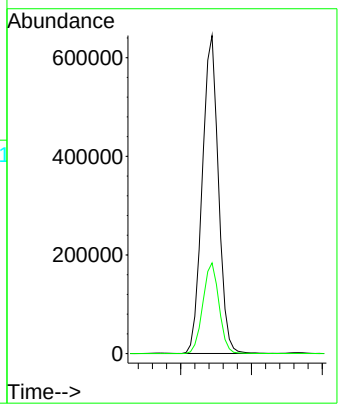
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

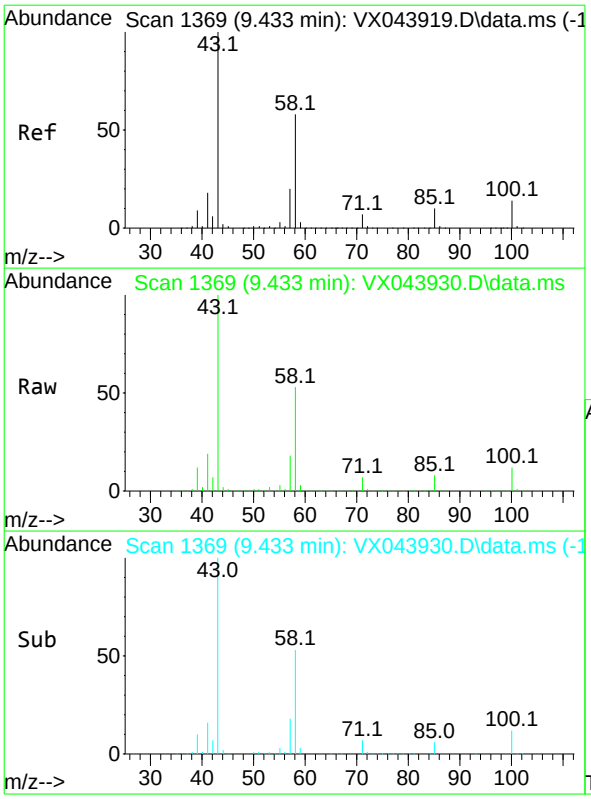


#58
2-Chloroethyl Vinyl ether
Concen: 875.887 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.8	35.6

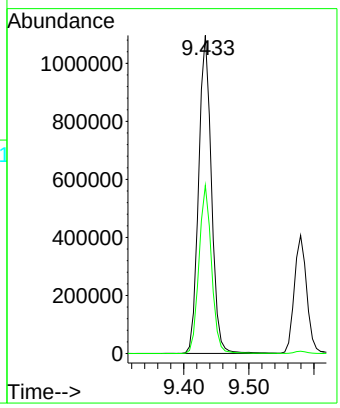




#59
2-Hexanone
Concen: 961.650 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1493755

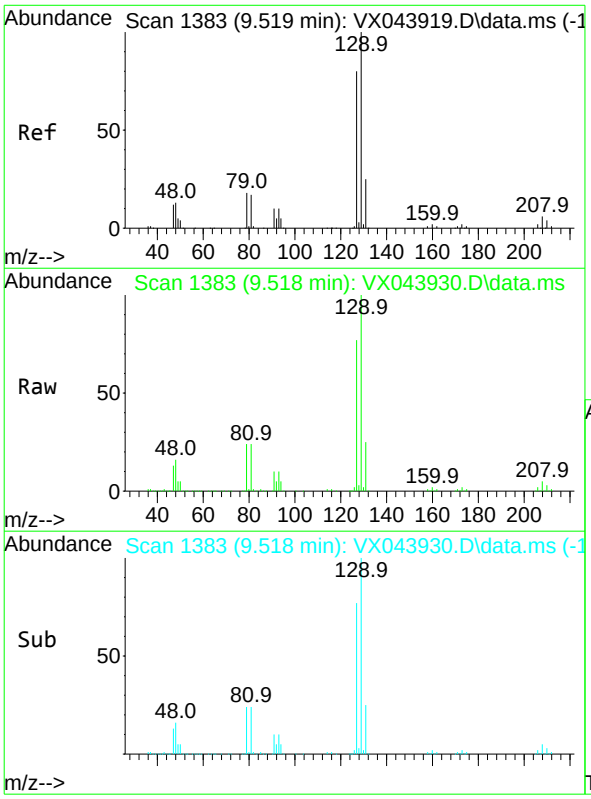
Ion	Ratio	Lower	Upper
43	100		
58	52.1	28.3	84.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

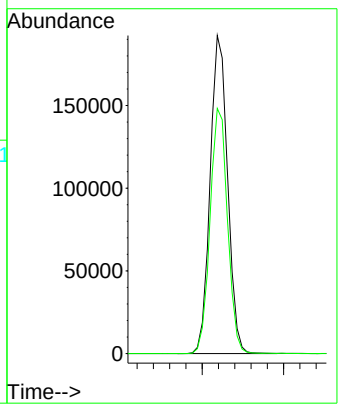
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

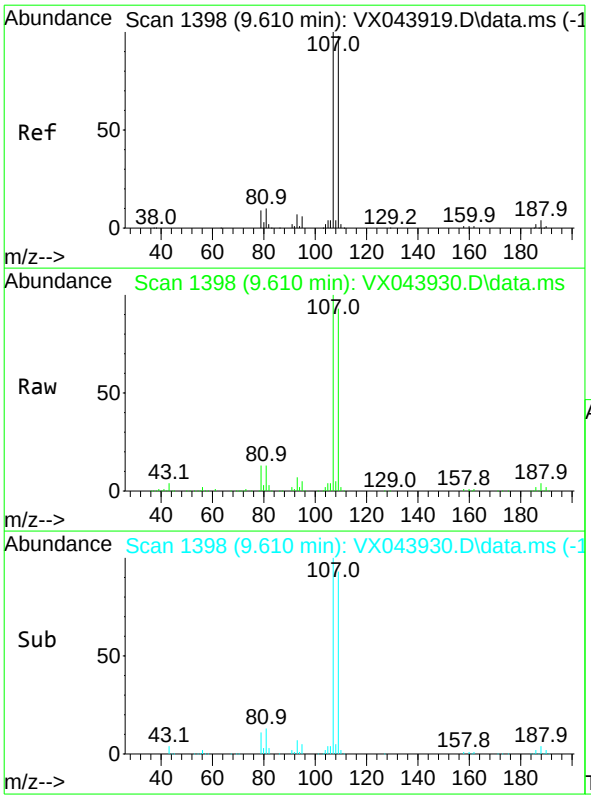


#60
Dibromochloromethane
Concen: 208.679 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8

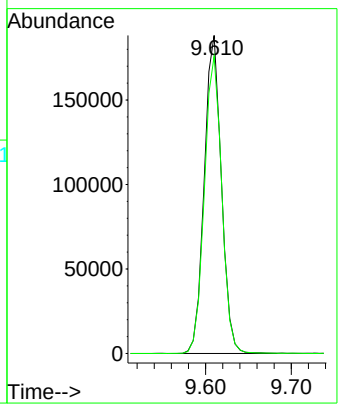




#61
1,2-Dibromoethane
Concen: 178.035 ug/l
RT: 9.610 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:107 Resp: 261369

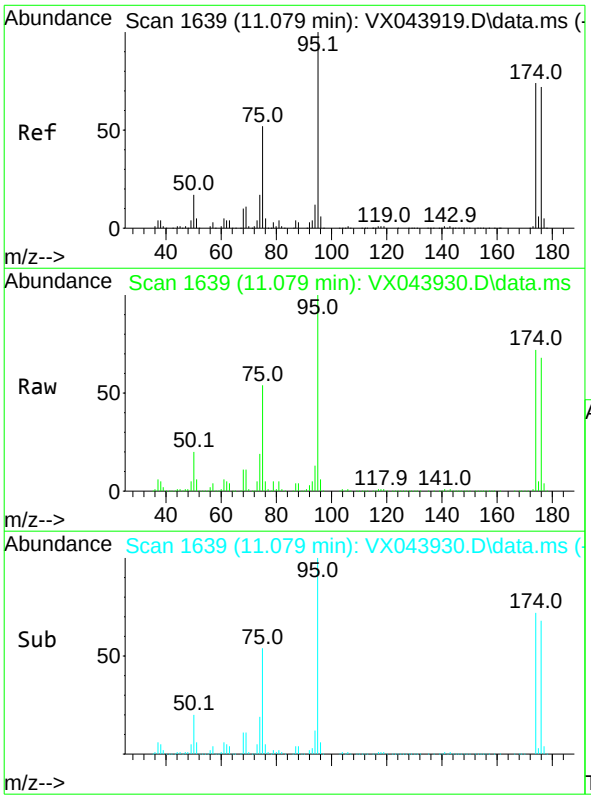
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.2	114.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

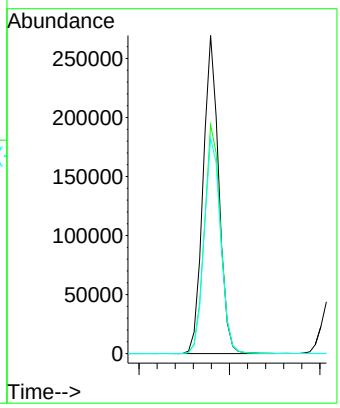
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

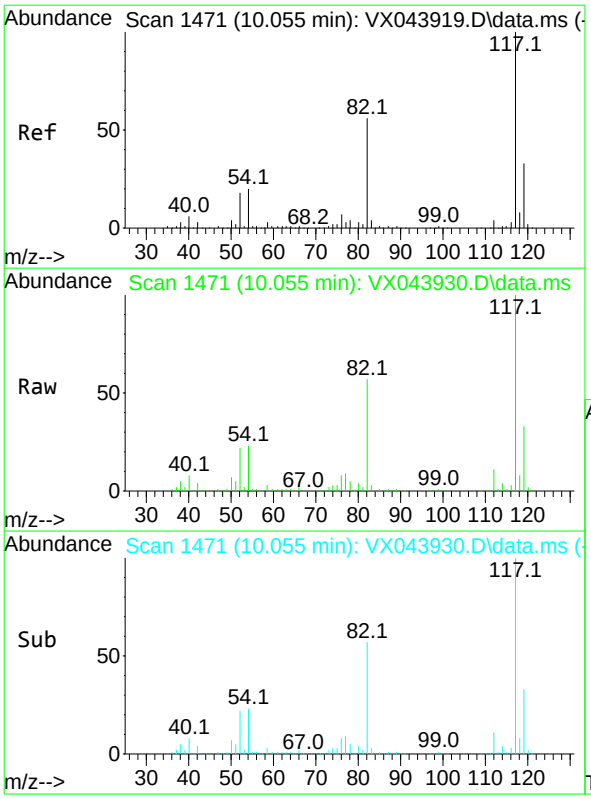


#62
4-Bromofluorobenzene
Concen: 184.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 95 Resp: 324612

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	152.2
176	71.4	0.0	145.8

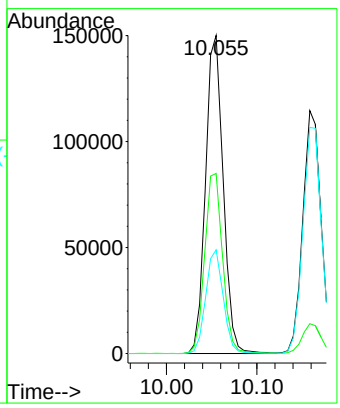




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 203280

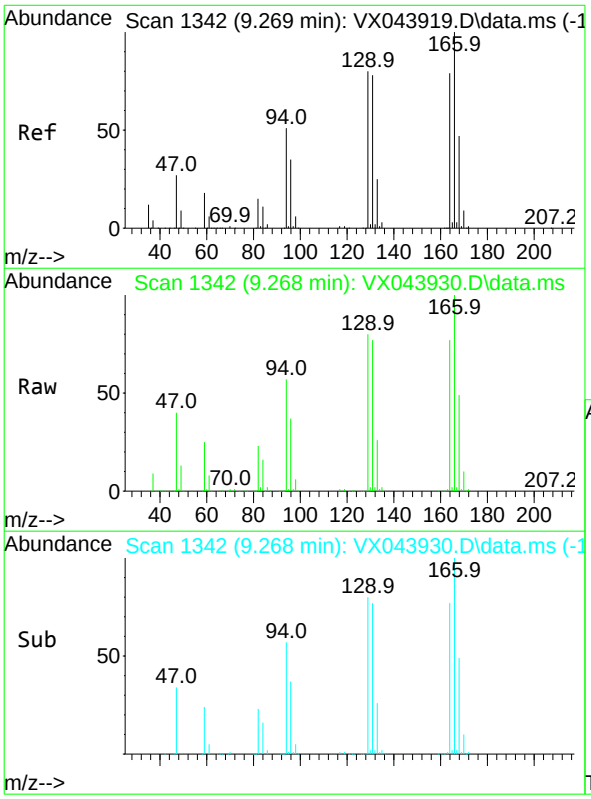
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	67.0
119	32.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

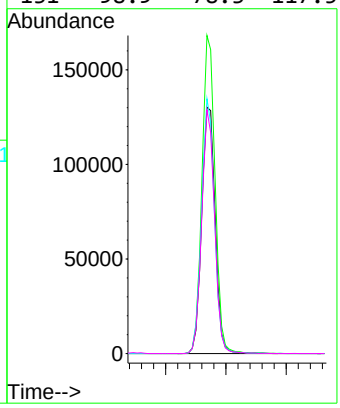
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

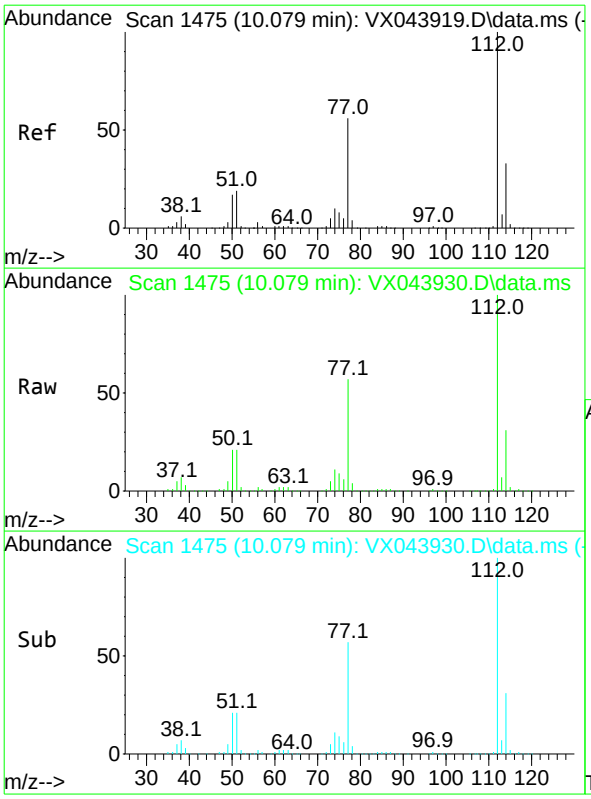


#64
Tetrachloroethene
Concen: 155.122 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.9	151.3
129	103.4	80.3	120.5
131	98.9	78.3	117.5

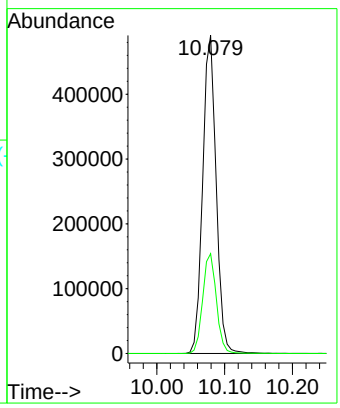




#65
Chlorobenzene
Concen: 159.085 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:112 Resp: 675513

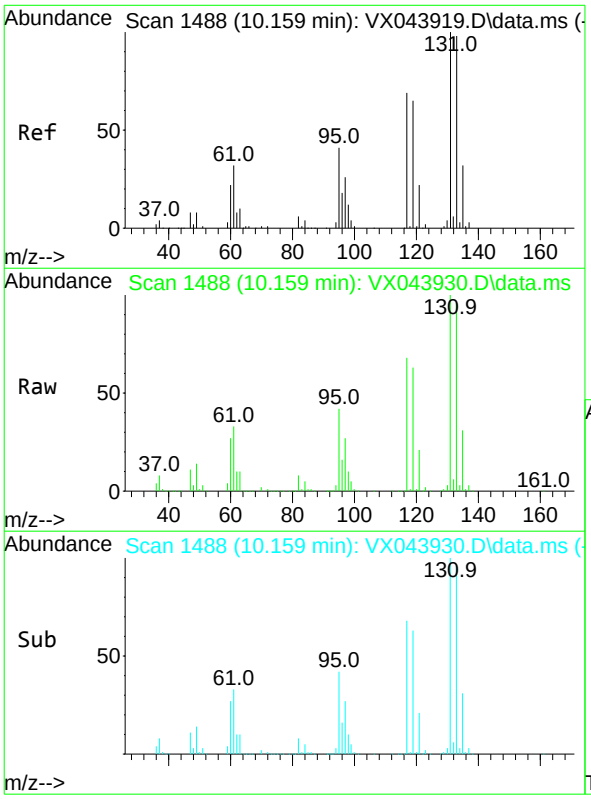
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

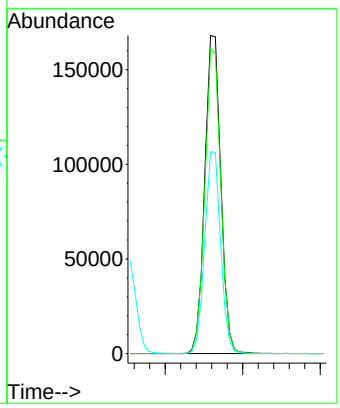
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

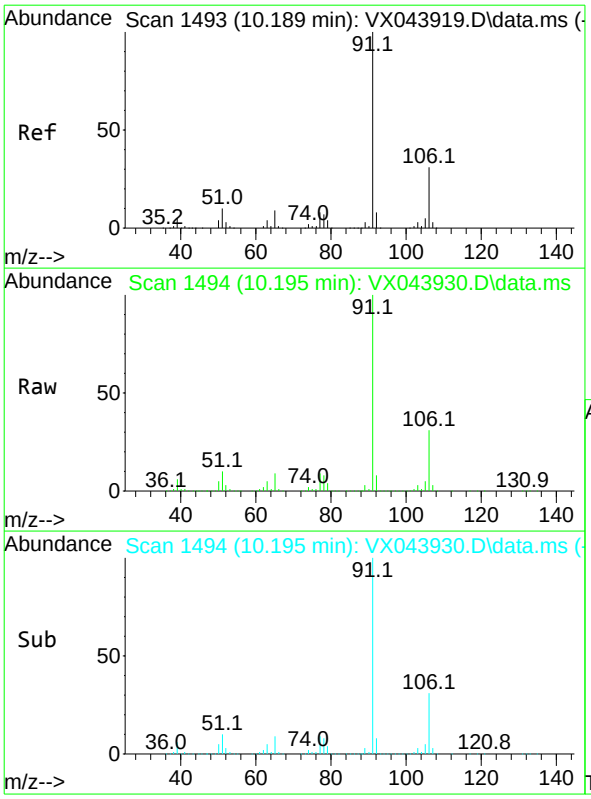


#66
1,1,1,2-Tetrachloroethane
Concen: 170.964 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.8	146.3
119	63.3	32.9	98.7

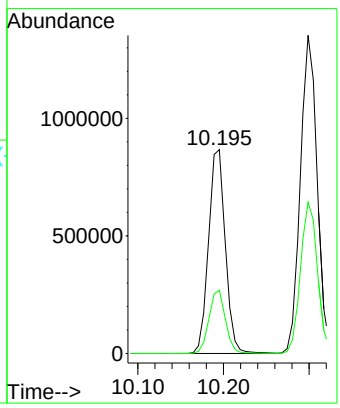




#67
Ethyl Benzene
Concen: 165.365 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1181693

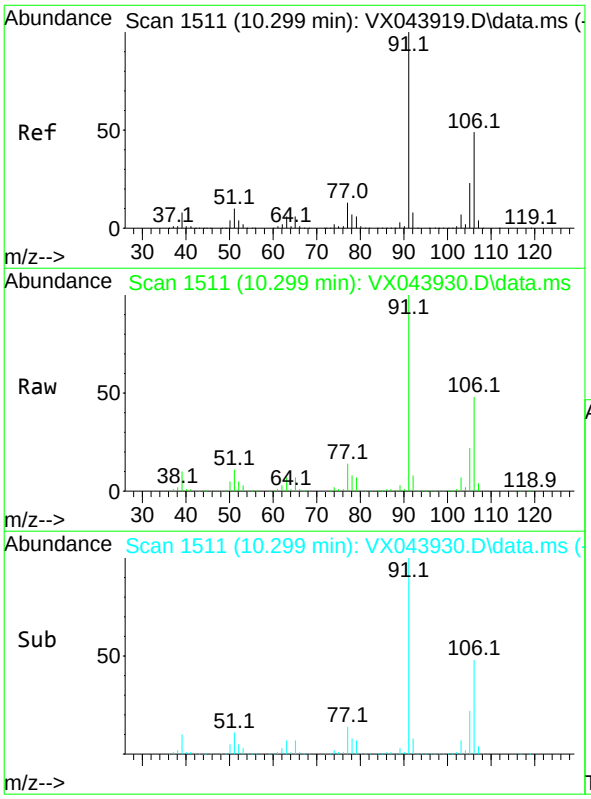
Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

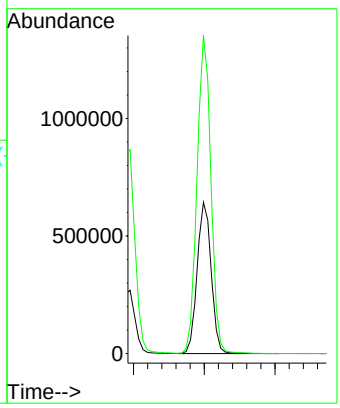
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

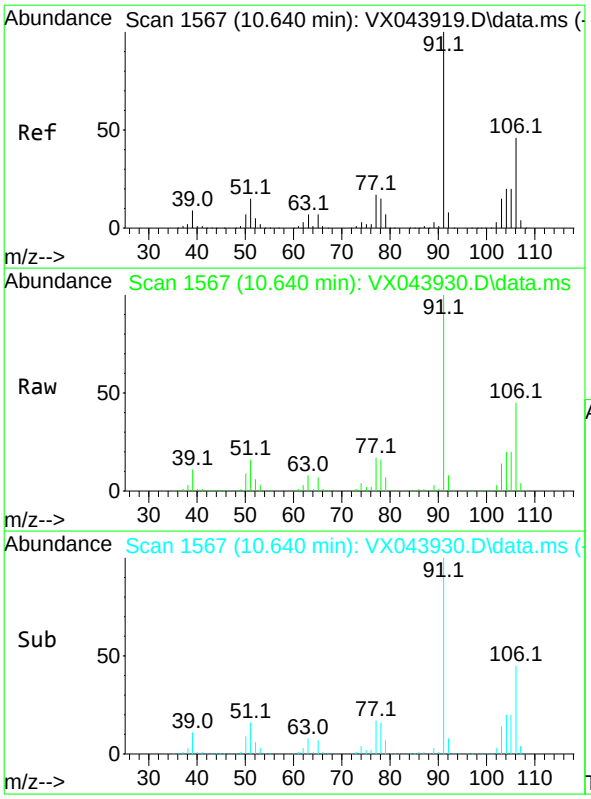


#68
m/p-Xylenes
Concen: 332.148 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

Ion	Ratio	Lower	Upper
106	100		
91	208.6	163.3	244.9

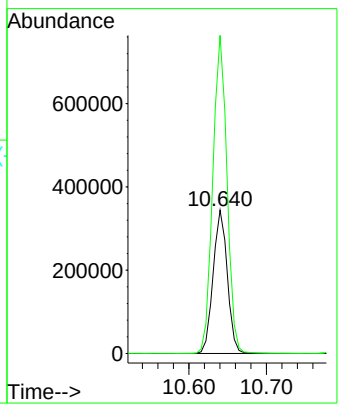




#69
o-Xylene
Concen: 168.240 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 436919

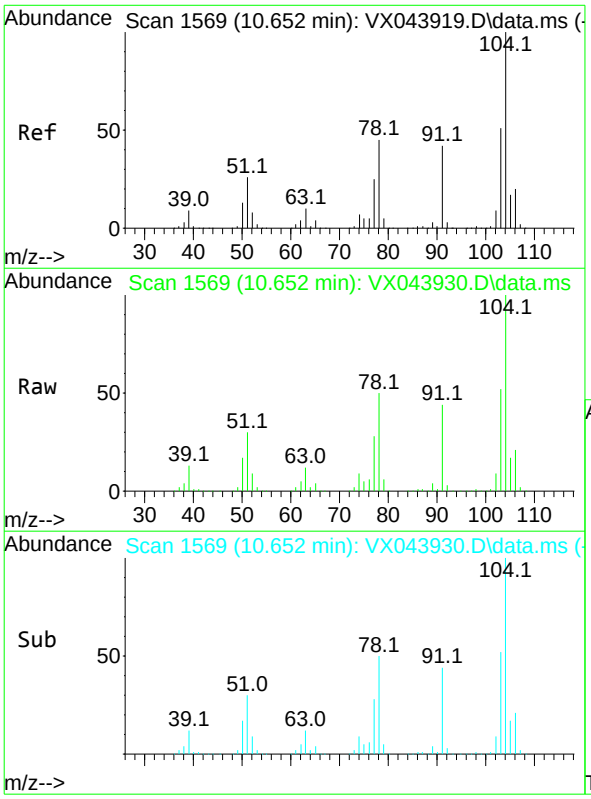
Ion	Ratio	Lower	Upper
106	100		
91	222.3	109.6	328.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

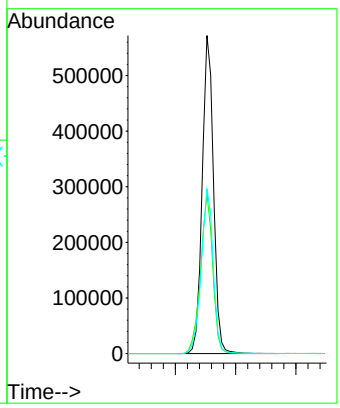
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

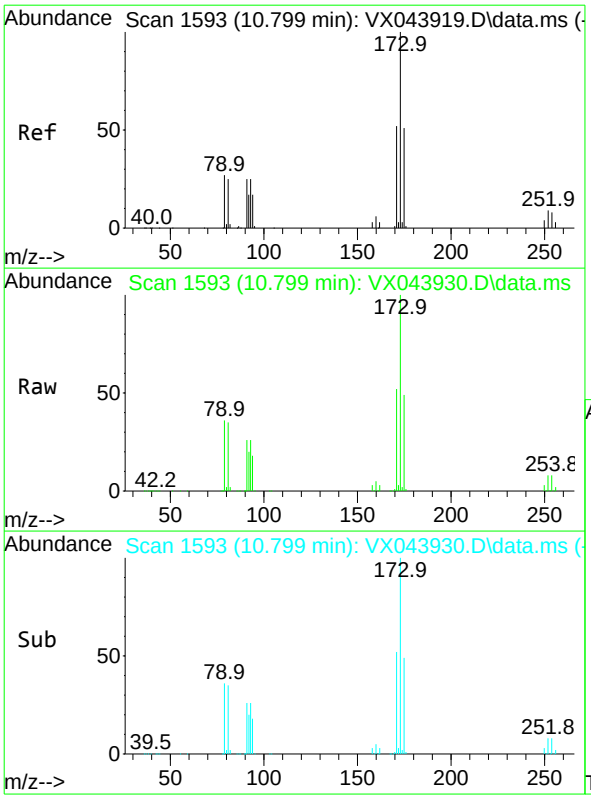


#70
Styrene
Concen: 173.379 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061

Ion	Ratio	Lower	Upper
104	100		
78	54.2	40.3	60.5
103	55.2	43.9	65.9





#71
Bromoform
Concen: 161.632 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

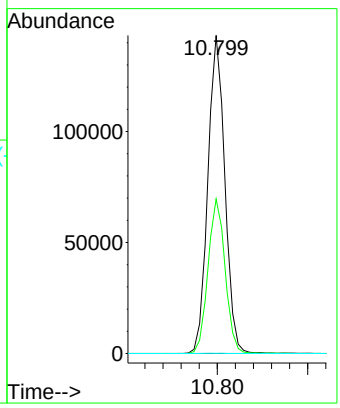
Tgt Ion:173 Resp: 186691

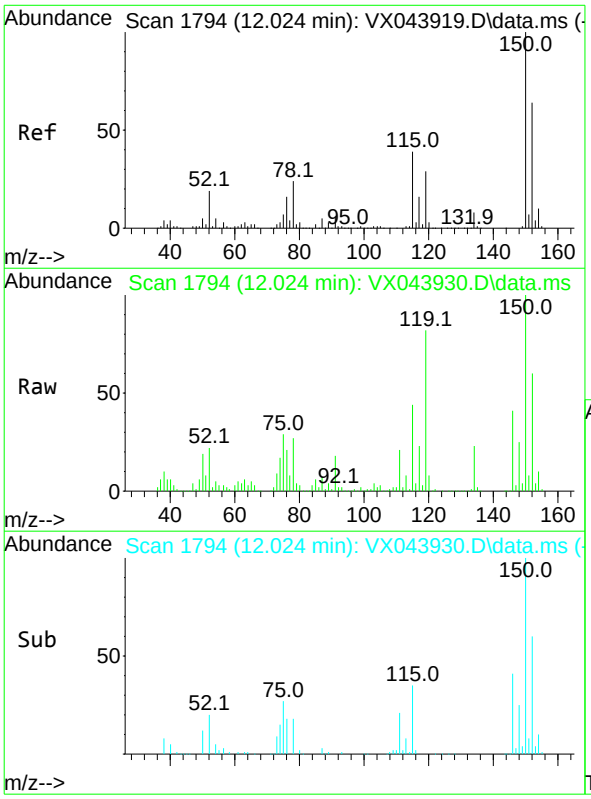
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.1	0.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

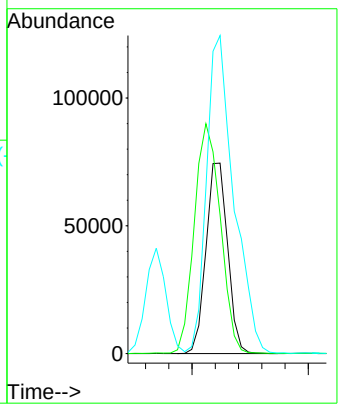


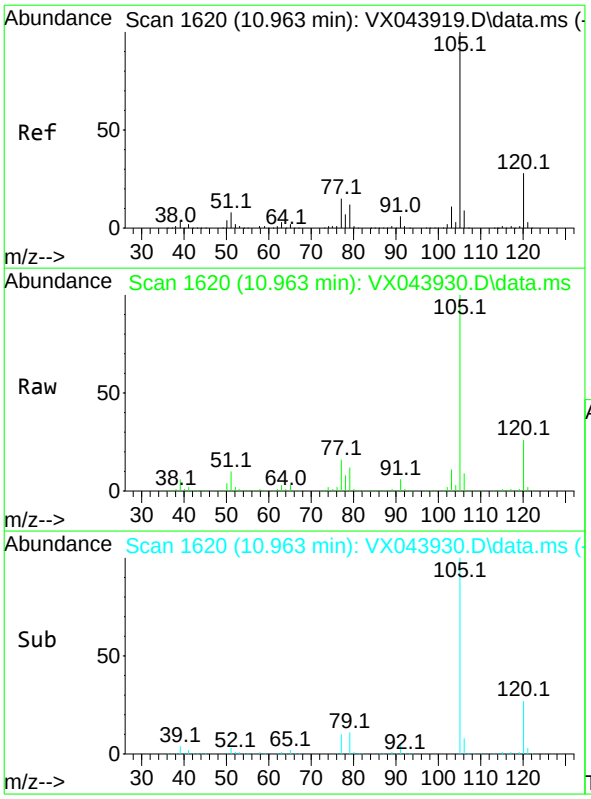


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:152 Resp: 96376

Ion	Ratio	Lower	Upper
152	100		
115	145.9	42.1	126.3#
150	210.2	0.0	348.2

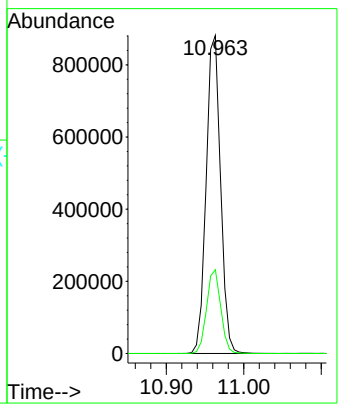




#73
Isopropylbenzene
Concen: 165.031 ug/l
RT: 10.963 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1135309

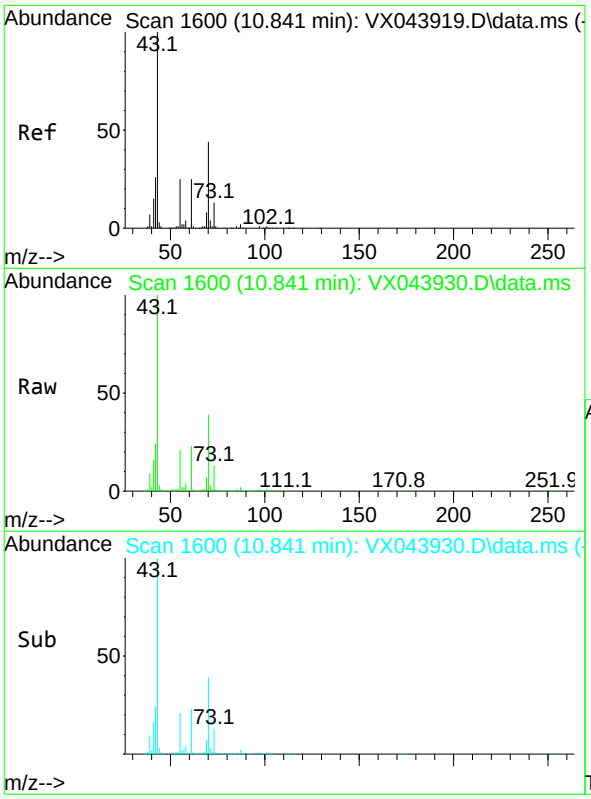
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

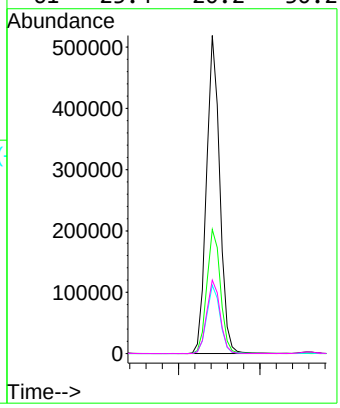
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

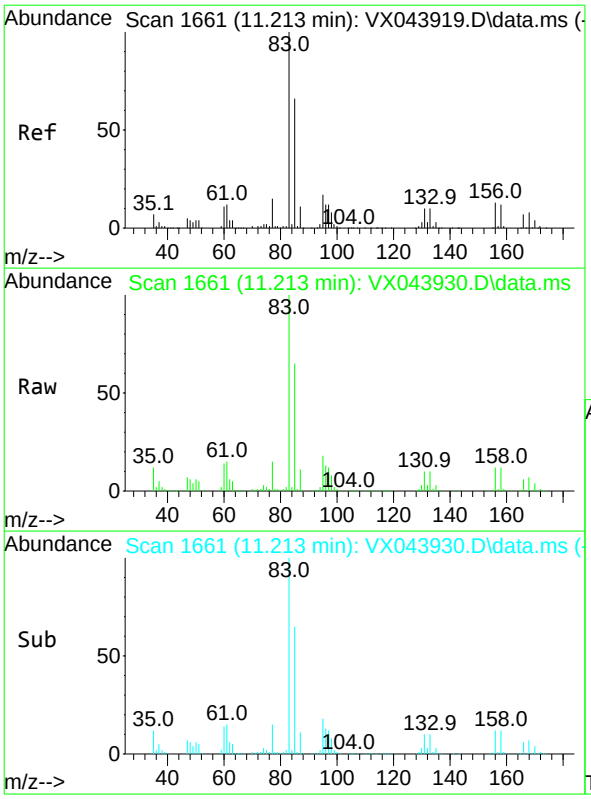


#74
N-amyl acetate
Concen: 159.995 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

Ion	Ratio	Lower	Upper
43	100		
70	40.1	36.5	54.7
55	21.7	19.6	29.4
61	23.4	20.2	30.2

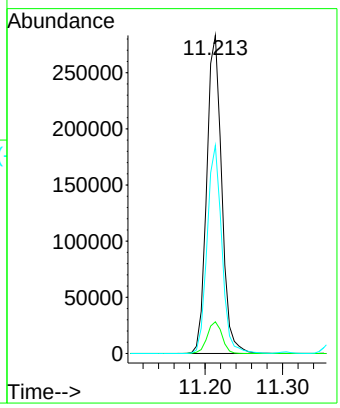




#75
1,1,2,2-Tetrachloroethane
Concen: 163.351 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 379947

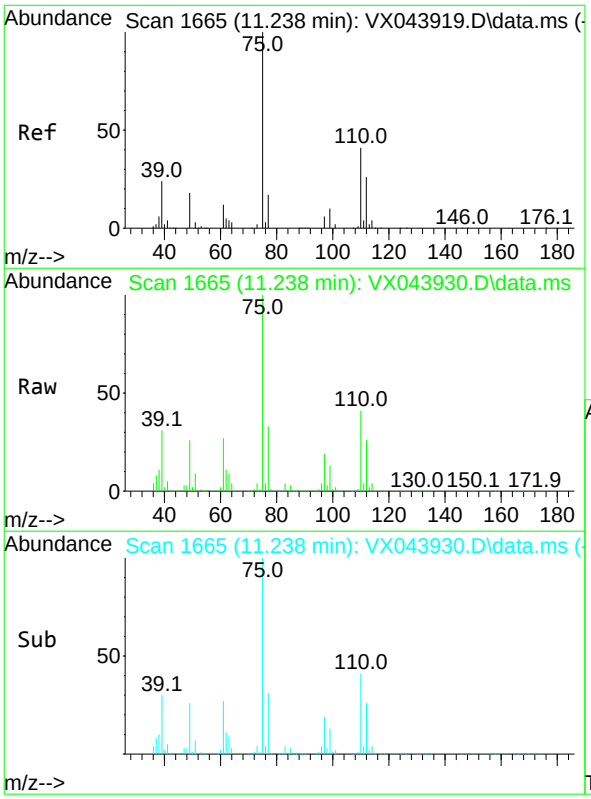
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.1	32.3	96.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

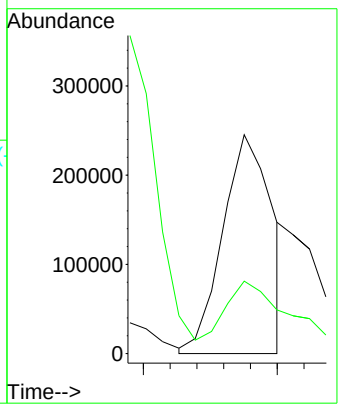
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

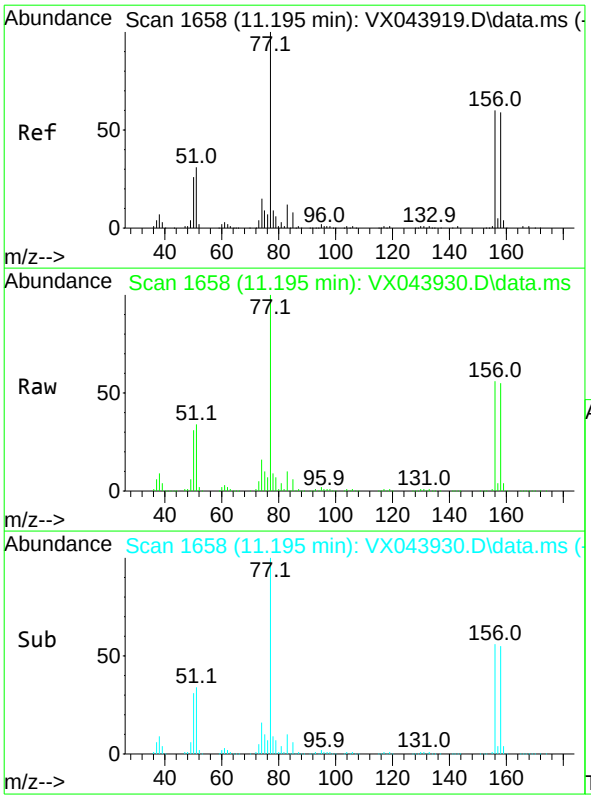


#76
1,2,3-Trichloropropane
Concen: 159.312 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 313344

Ion	Ratio	Lower	Upper
75	100		
77	45.6	22.4	67.0

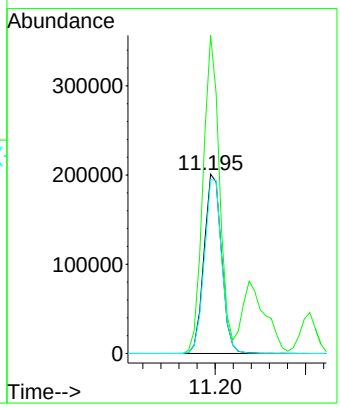




#77
Bromobenzene
Concen: 160.539 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:156 Resp: 270671

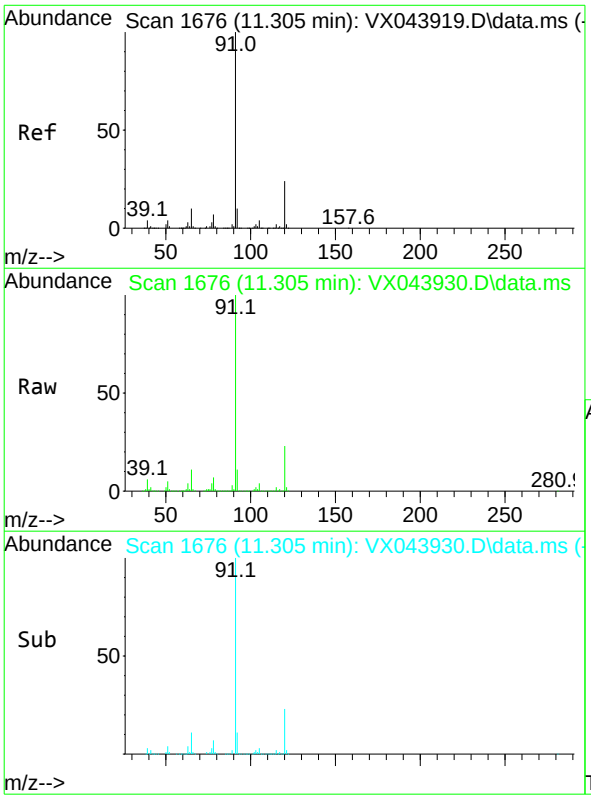
Ion	Ratio	Lower	Upper
156	100		
77	166.5	81.2	243.6
158	96.8	48.6	145.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

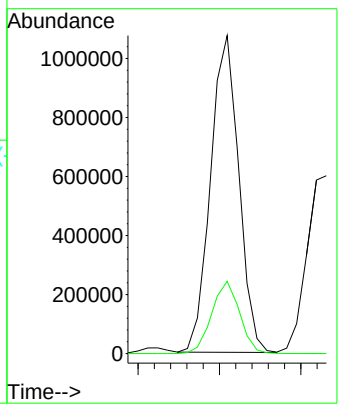
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

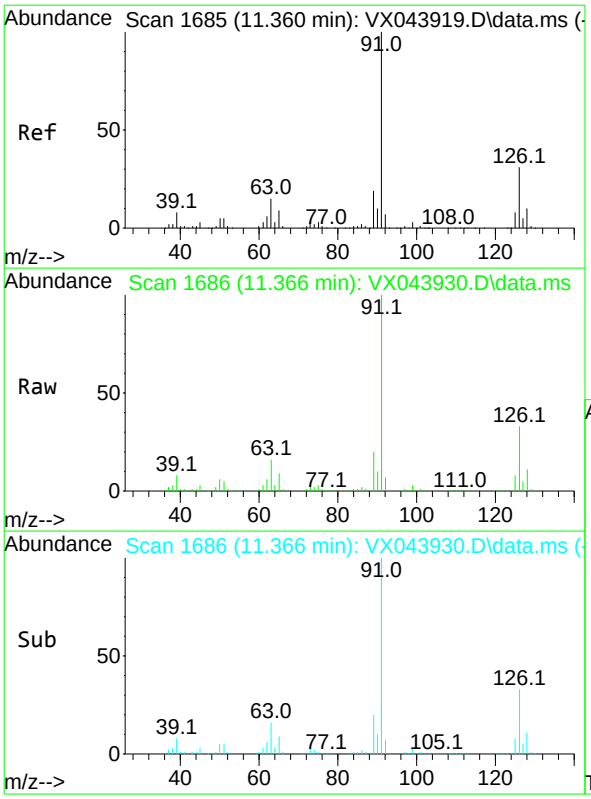


#78
n-propylbenzene
Concen: 170.866 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.5

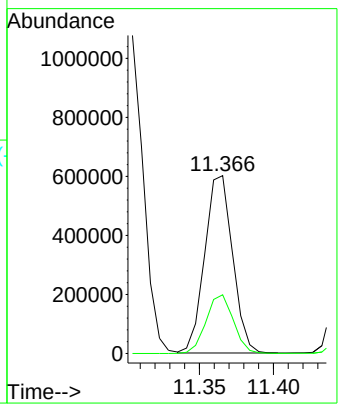




#79
2-Chlorotoluene
Concen: 163.185 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 788163

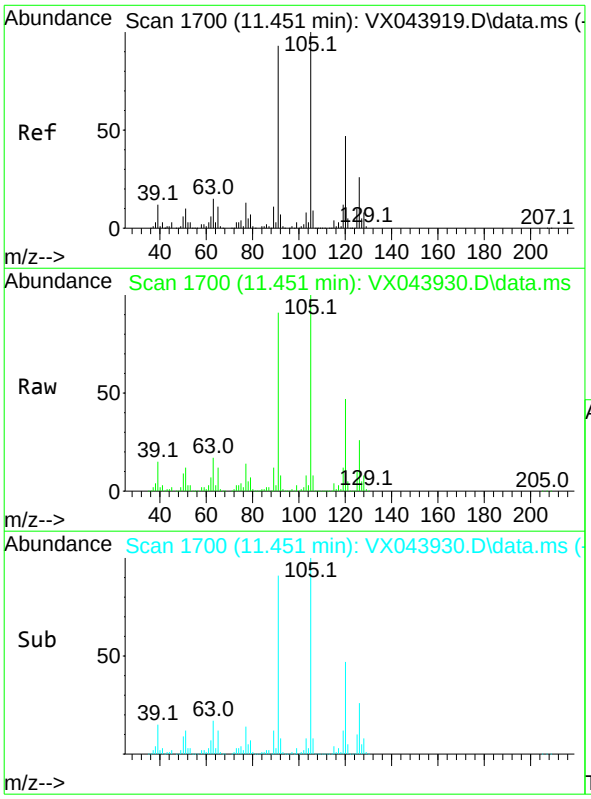
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

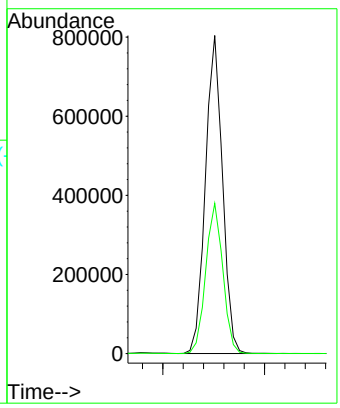
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

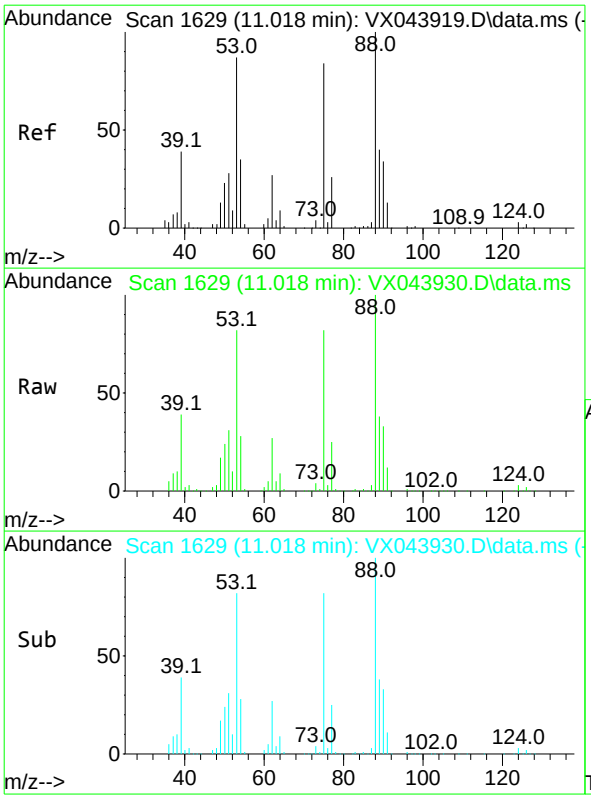


#80
1,3,5-Trimethylbenzene
Concen: 164.167 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 936129

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.5

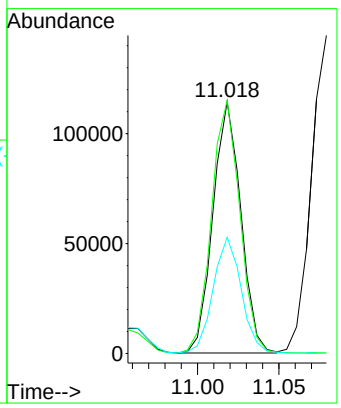




#81
trans-1,4-Dichloro-2-butene
Concen: 161.734 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 136104

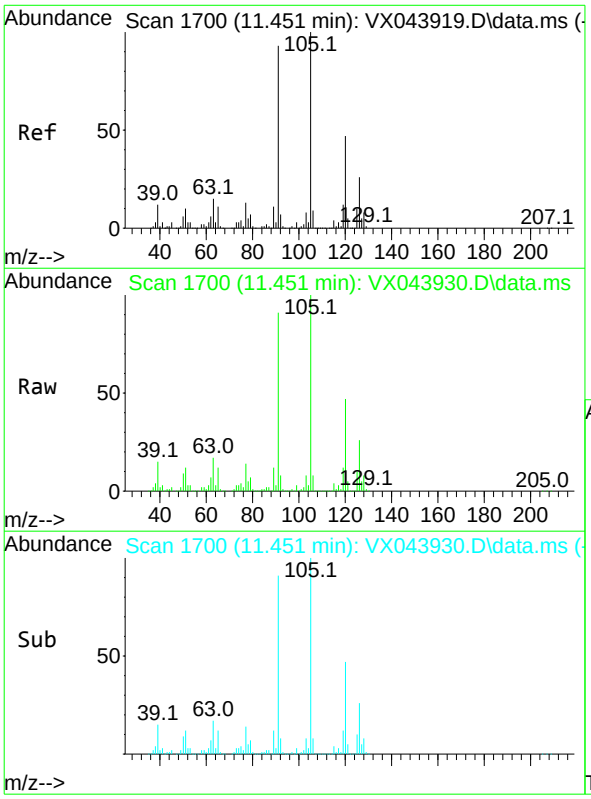
Ion	Ratio	Lower	Upper
75	100		
53	103.1	81.7	122.5
89	47.0	38.6	57.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

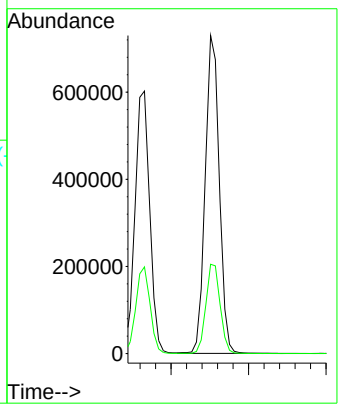
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

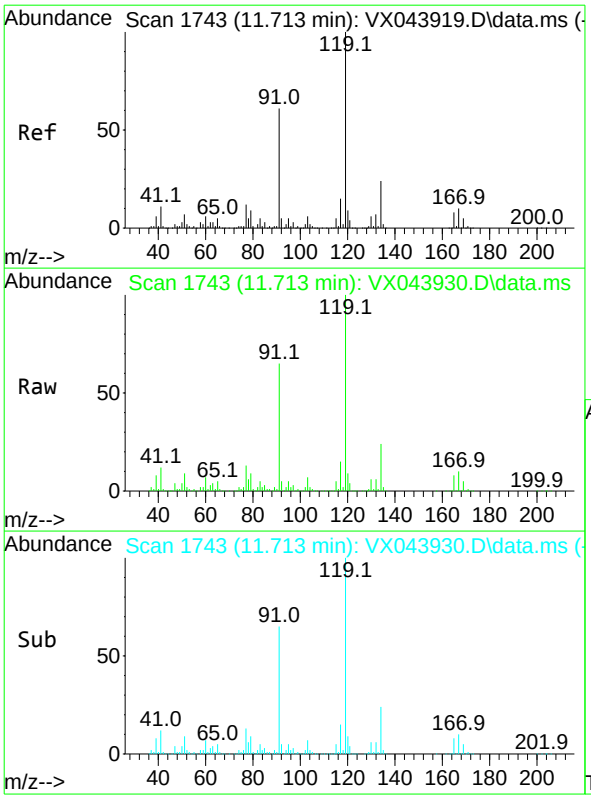


#82
4-Chlorotoluene
Concen: 165.319 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2

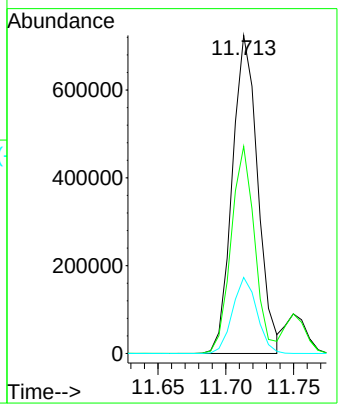




#83
tert-Butylbenzene
Concen: 162.017 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 945058

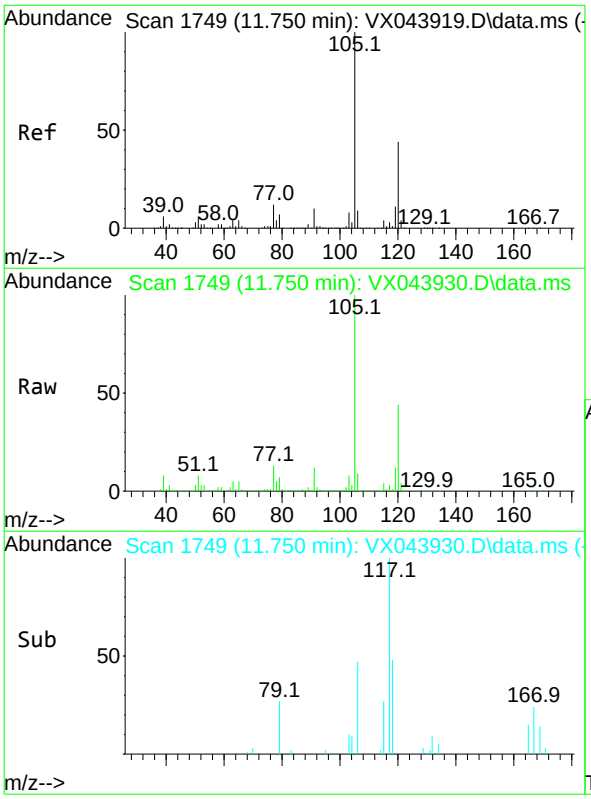
Ion	Ratio	Lower	Upper
119	100		
91	60.6	29.5	88.6
134	22.9	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

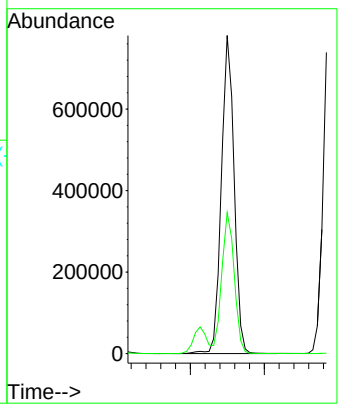
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

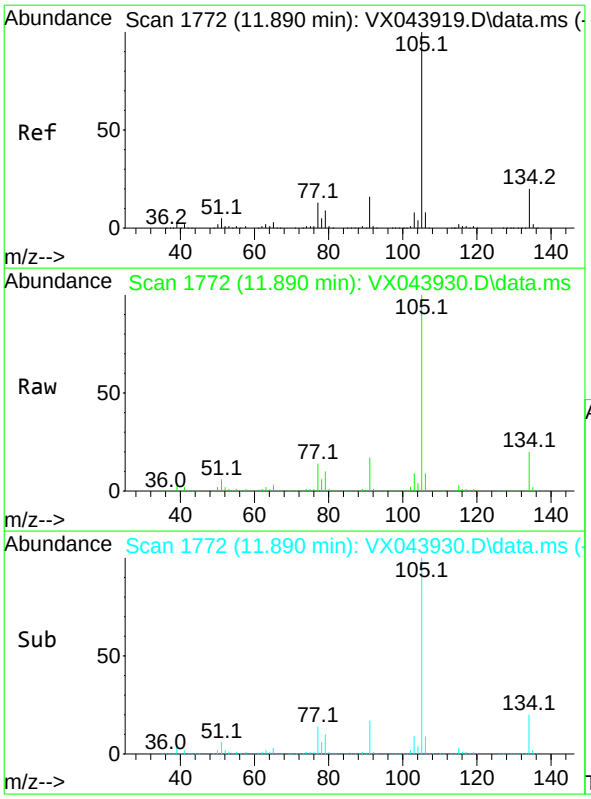


#84
1,2,4-Trimethylbenzene
Concen: 161.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.7	65.1

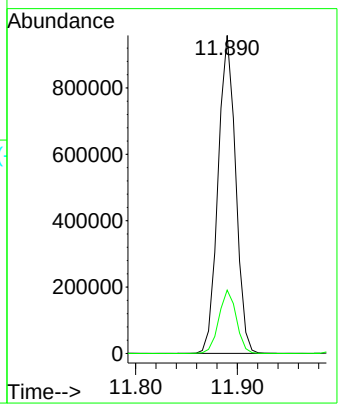




#85
sec-Butylbenzene
Concen: 164.934 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1148877

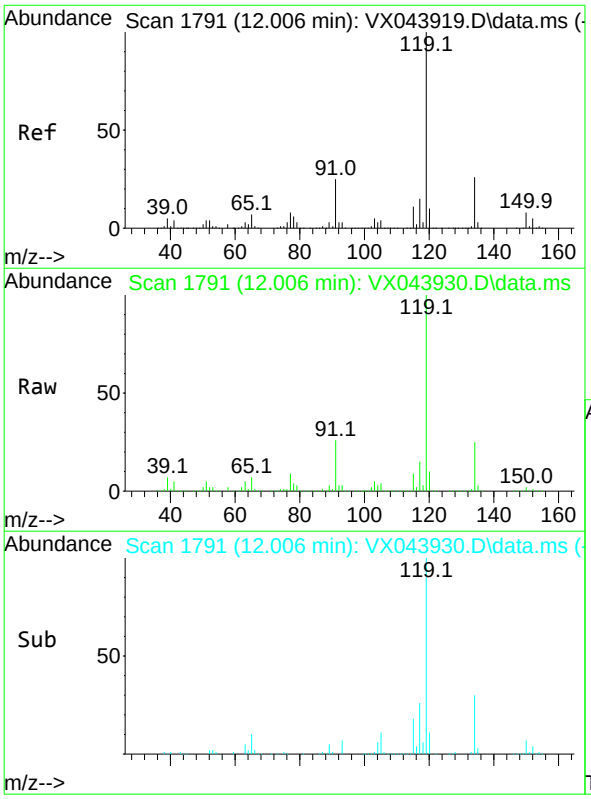
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

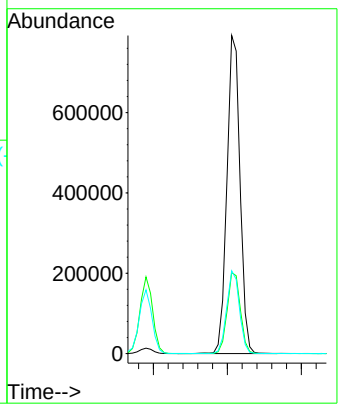
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

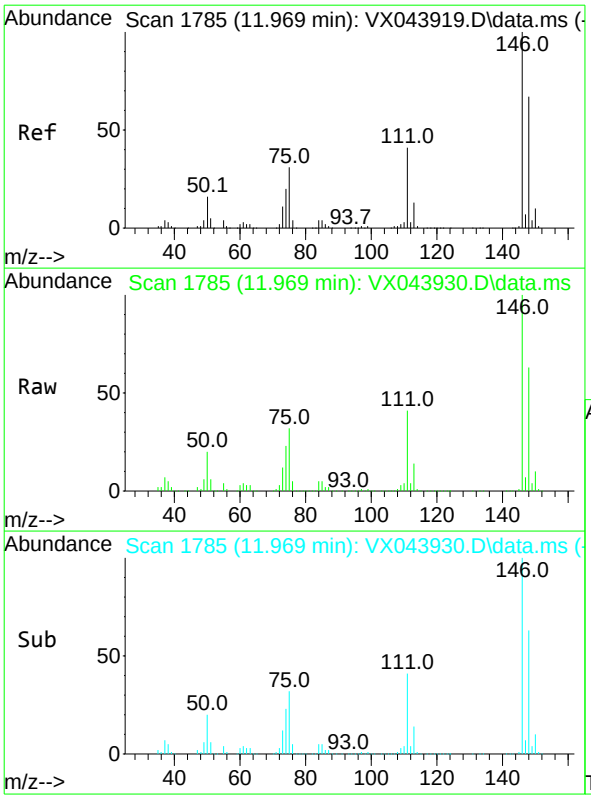


#86
p-Isopropyltoluene
Concen: 166.189 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.4	12.3	36.8

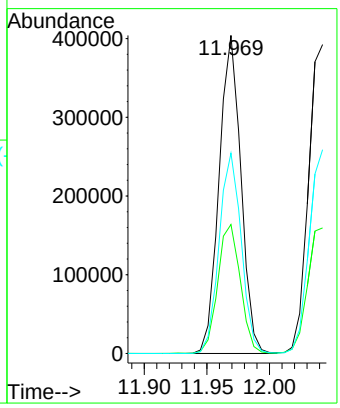




#87
1,3-Dichlorobenzene
Concen: 156.923 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 490336

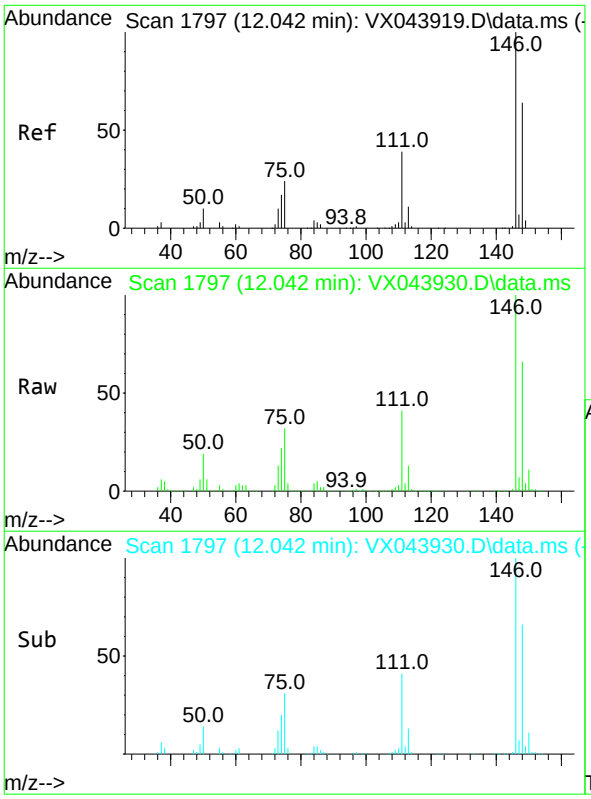
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

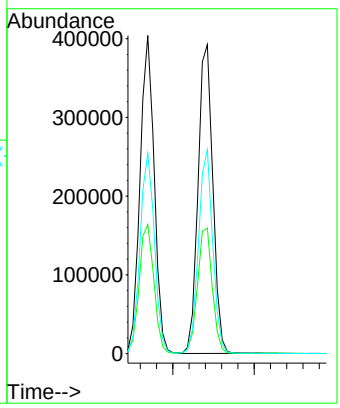
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

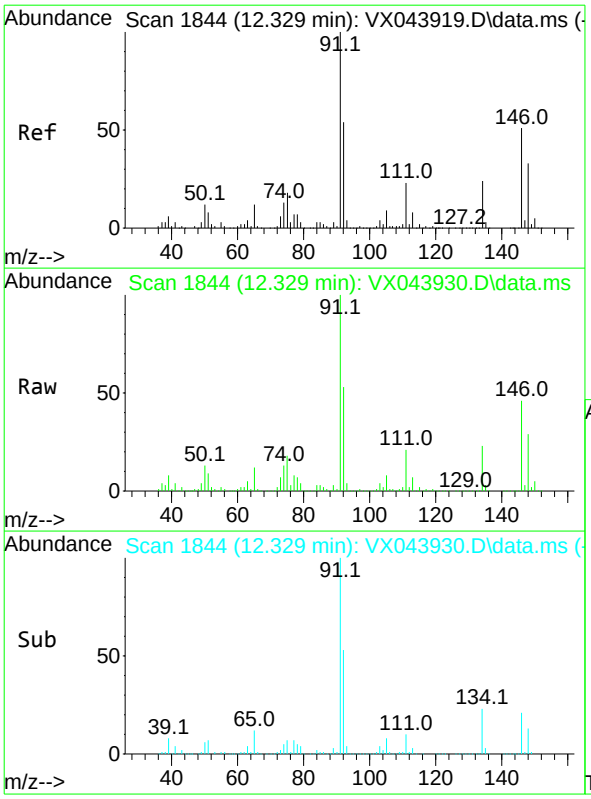


#88
1,4-Dichlorobenzene
Concen: 154.301 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	63.5	32.2	96.6

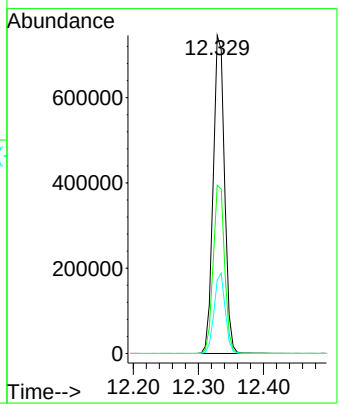




#89
n-Butylbenzene
Concen: 181.353 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 903805

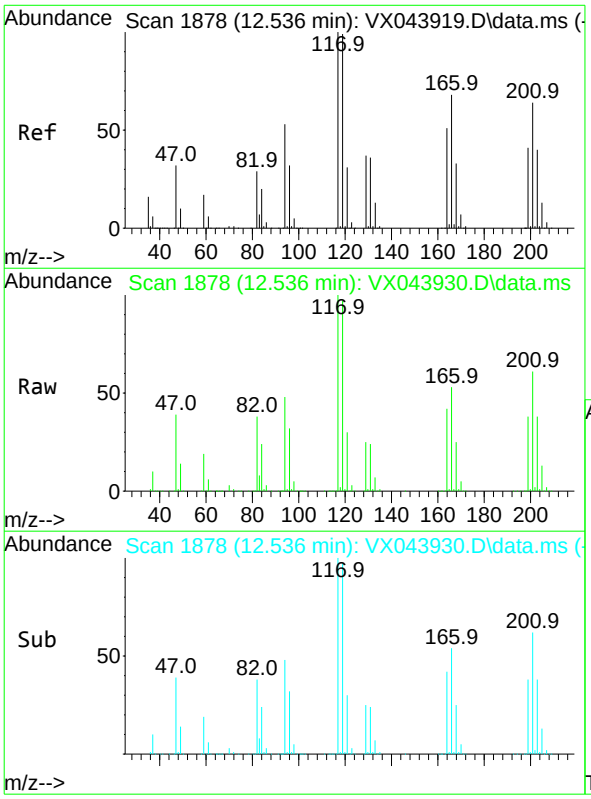
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	24.8	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

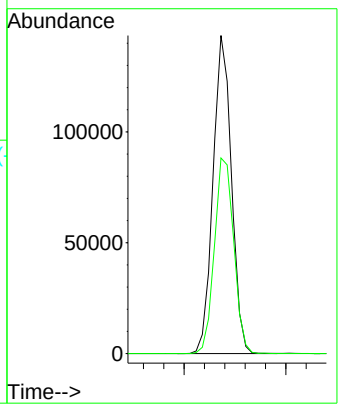
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

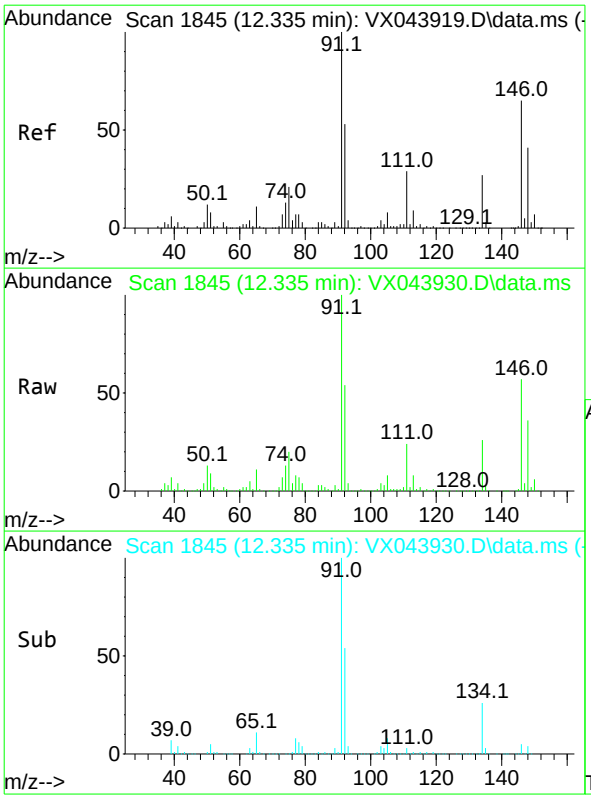


#90
Hexachloroethane
Concen: 151.823 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 180575

Ion	Ratio	Lower	Upper
117	100		
201	64.6	34.1	102.3

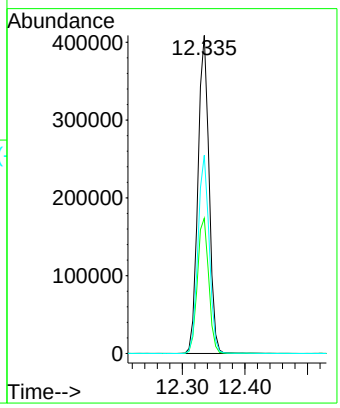




#91
1,2-Dichlorobenzene
Concen: 153.818 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 503214

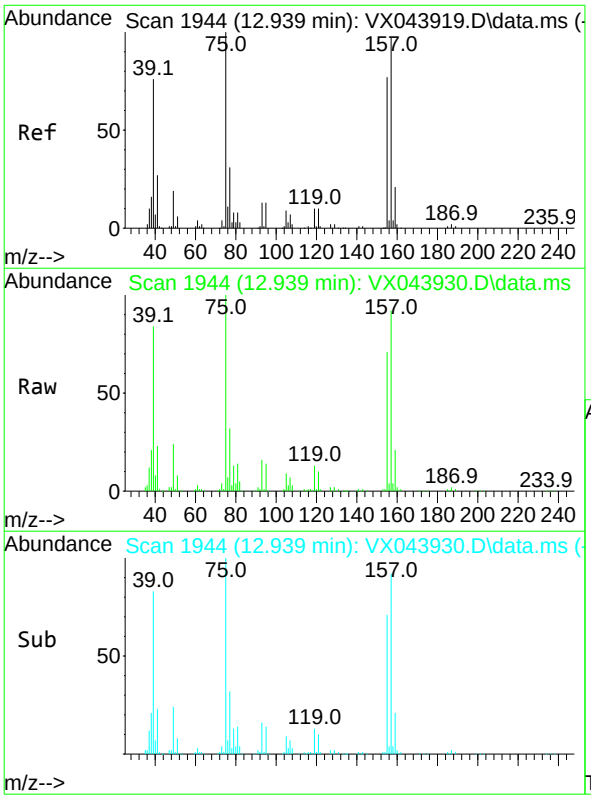
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	62.6	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

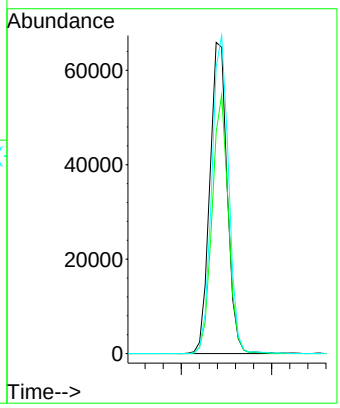
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

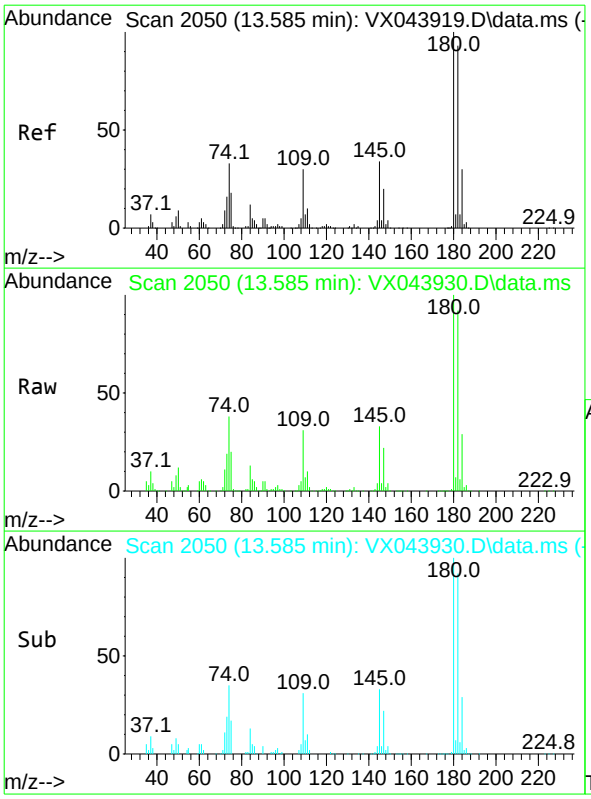


#92
1,2-Dibromo-3-Chloropropane
Concen: 146.019 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.8	122.5
157	98.7	54.3	162.9

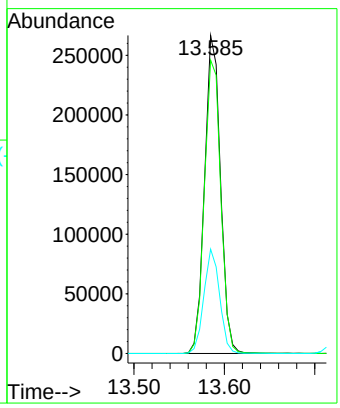




#93
1,2,4-Trichlorobenzene
Concen: 170.137 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 325289

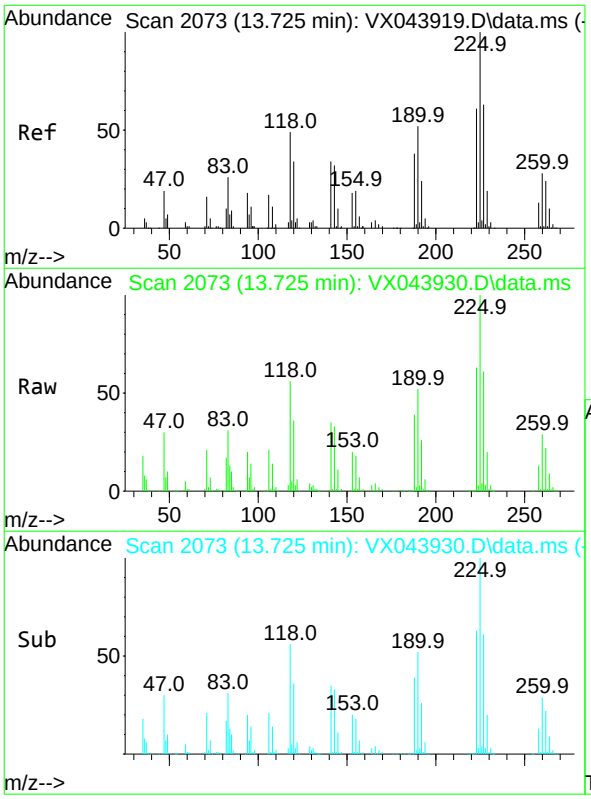
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.4
145	32.5	16.4	49.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

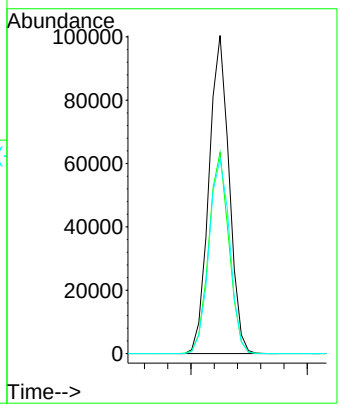
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

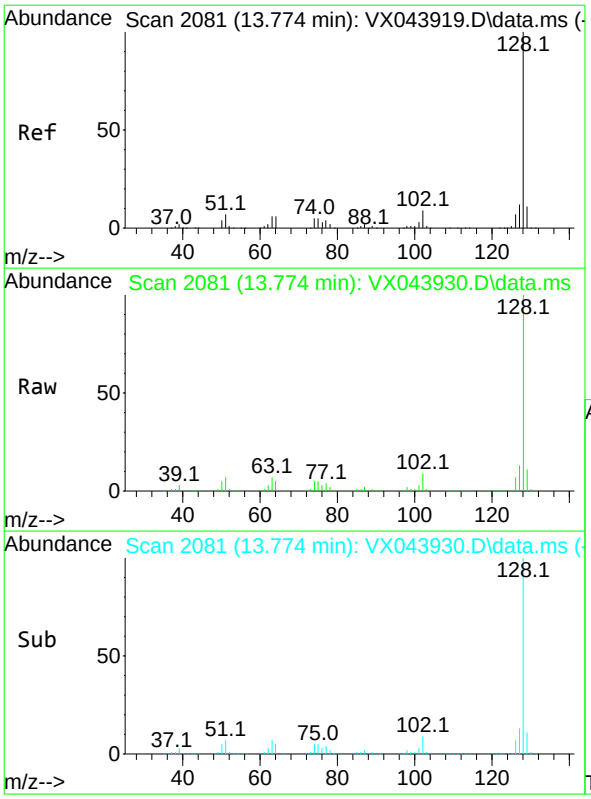


#94
Hexachlorobutadiene
Concen: 154.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:225 Resp: 121126

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	62.8	29.8	89.5

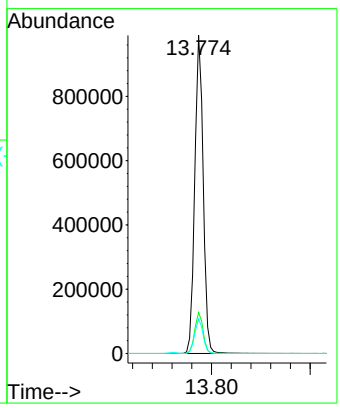




#95
Naphthalene
Concen: 164.565 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:128 Resp: 1173154

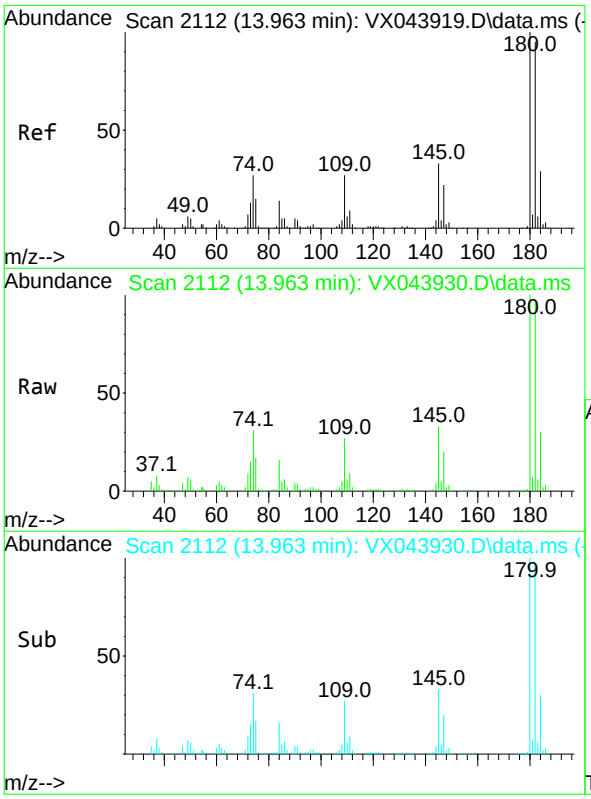
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

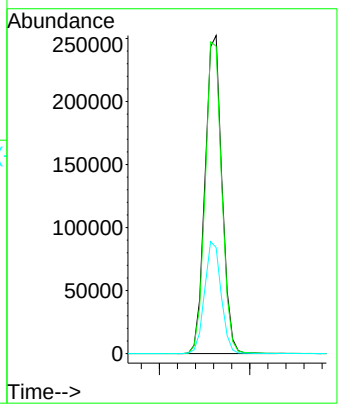
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 164.001 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 326693

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	34.6	17.4	52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l	99
3) Chloromethane	1.295	50	85795	49.100	ug/l	98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l	97
5) Bromomethane	1.593	94	53783	47.040	ug/l	100
6) Chloroethane	1.660	64	46342	40.921	ug/l	100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l	99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	99
13) Acrolein	2.233	56	89571	235.500	ug/l	98
14) Allyl chloride	2.654	41	127367	51.610	ug/l	99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	99
16) Acetone	2.386	43	257802	249.676	ug/l	99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l	100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l	100
30) Chloroform	5.080	83	163357	49.891	ug/l	98
31) Cyclohexane	5.458	56	128482	51.278	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l	97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	93
40) Benzene	6.025	78	319222	50.257	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851	ug/l		99
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l		100
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l		99
44) Trichloroethene	7.117	130	80113	44.554	ug/l		90
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l		98
46) Dibromomethane	7.574	93	62345	50.662	ug/l		99
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l		99
48) Methyl methacrylate	7.690	41	101062	52.284	ug/l		99
49) 1,4-Dioxane	7.659	88	31178	905.506	ug/l	#	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l		100
52) Toluene	8.714	92	195814	51.507	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l		97
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l		100
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230	ug/l		99
59) 2-Hexanone	9.427	43	504444	273.011	ug/l		100
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l		99
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l		100
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l		97
65) Chlorobenzene	10.073	112	209963	48.094	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l		98
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l		97
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l		99
69) o-Xylene	10.640	106	138437	51.396	ug/l		98
70) Styrene	10.653	104	230449	51.728	ug/l		99
71) Bromoform	10.799	173	50837	47.449	ug/l	#	98
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l		99
74) N-amyl acetate	10.842	43	176627	51.406	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	105742m	49.973	ug/l		
77) Bromobenzene	11.195	156	85070	48.081	ug/l		99
78) n-propylbenzene	11.305	91	419586	50.652	ug/l		99
79) 2-Chlorotoluene	11.360	91	249079	47.551	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756	ug/l		98
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l		100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l		100
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l		99
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306	ug/l		97
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l		99
90) Hexachloroethane	12.536	117	51229	50.050	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l		99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l		97
95) Naphthalene	13.774	128	357725	51.831	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

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

ICAL Form

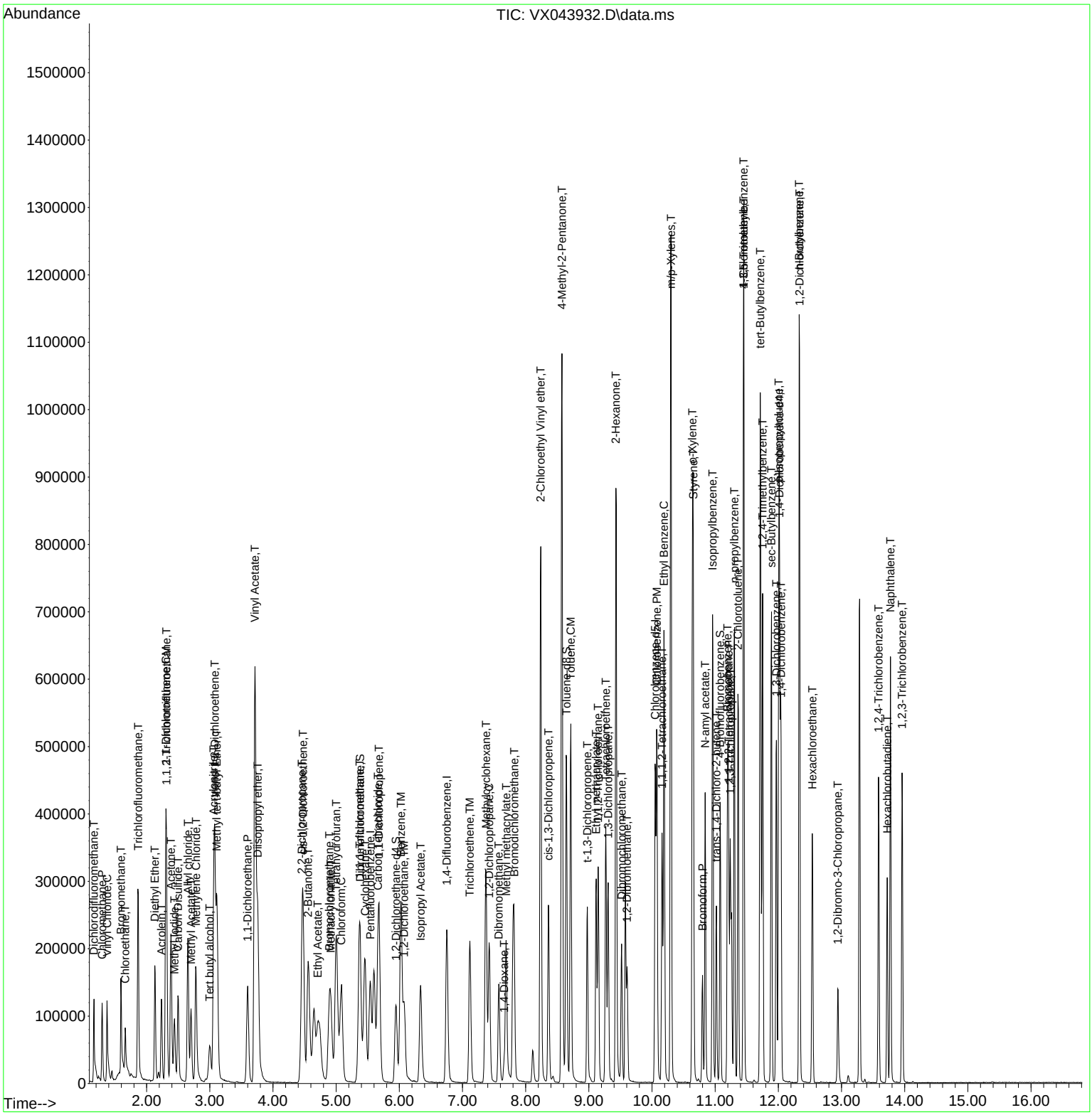
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

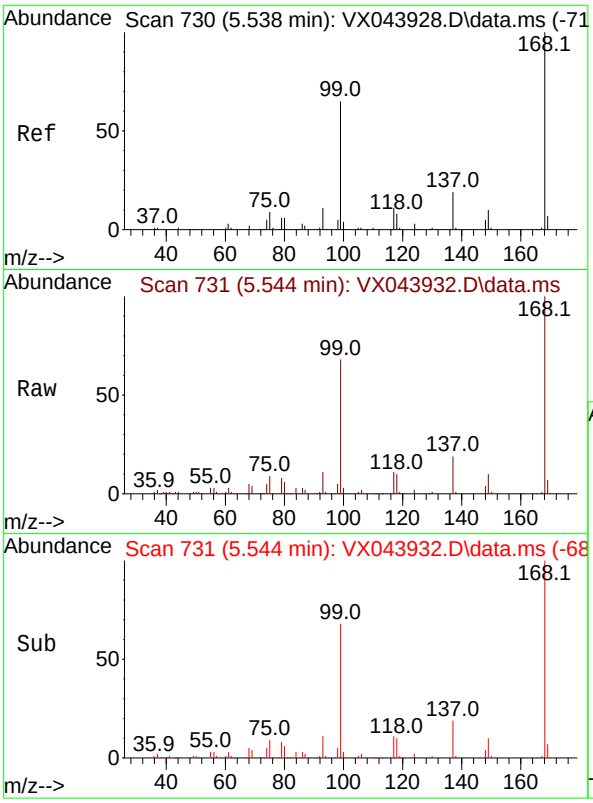
Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

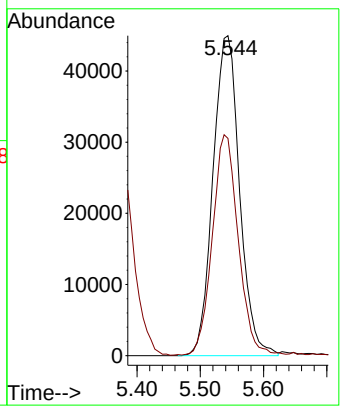




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:168 Resp: 13107

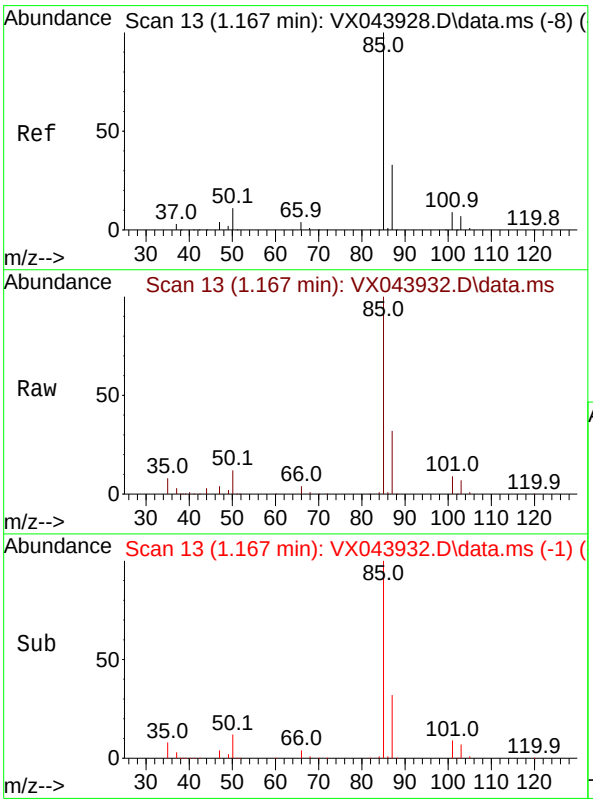
Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

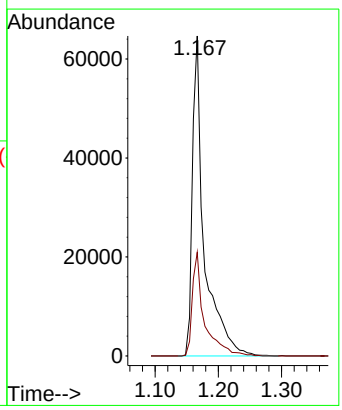
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

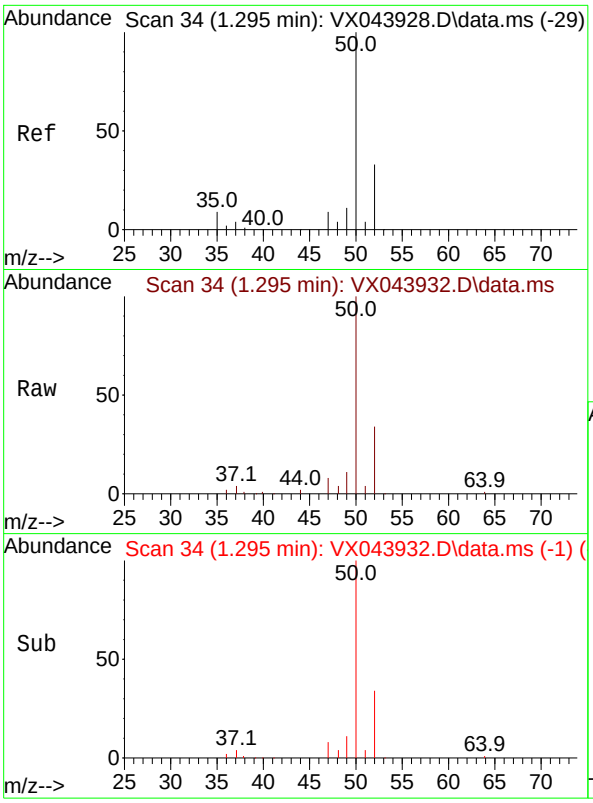


#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8

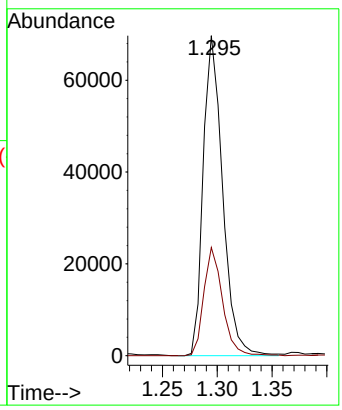




#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 50 Resp: 8579

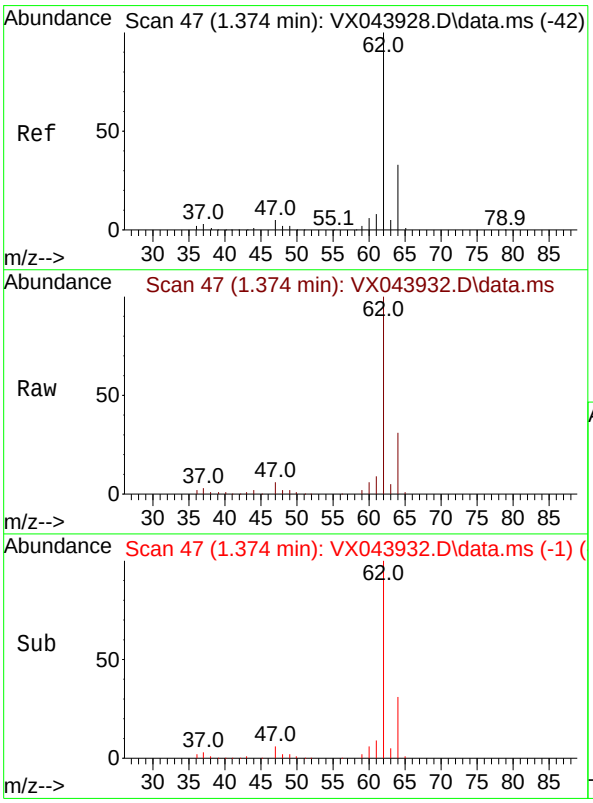
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

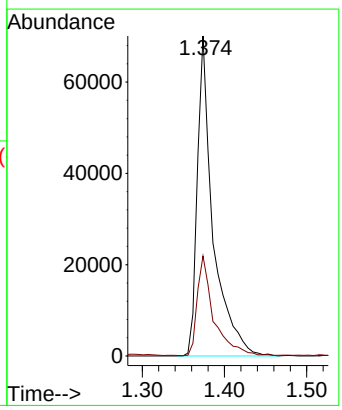
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

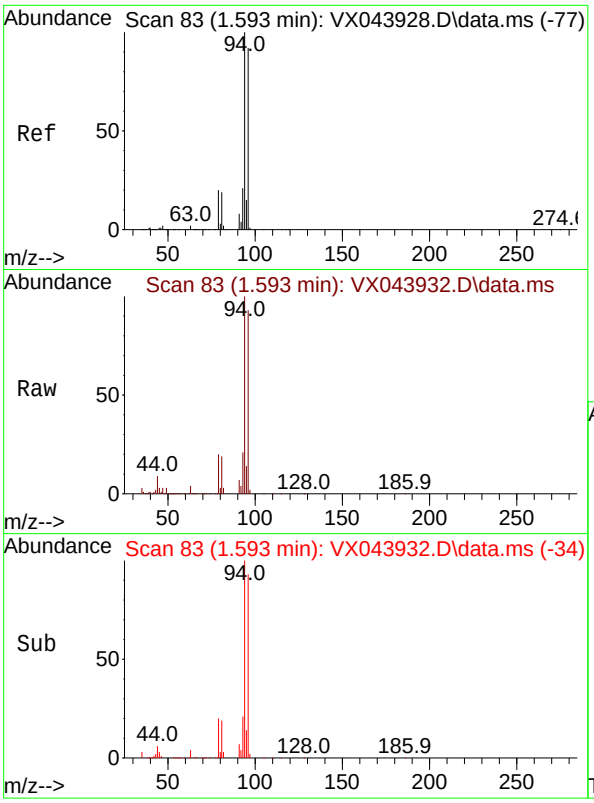


#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4

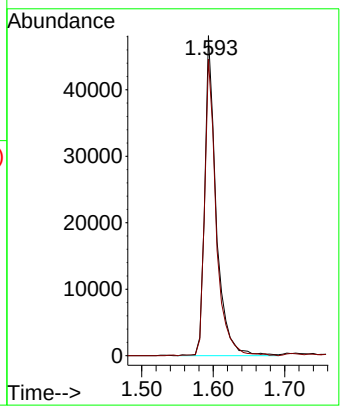




#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 94 Resp: 5378

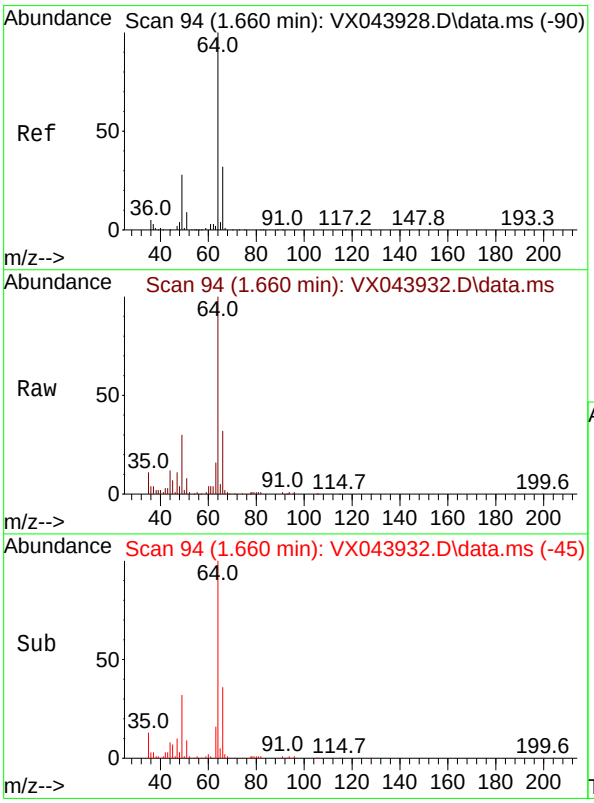
Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

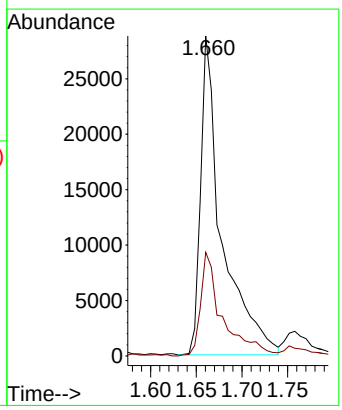
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

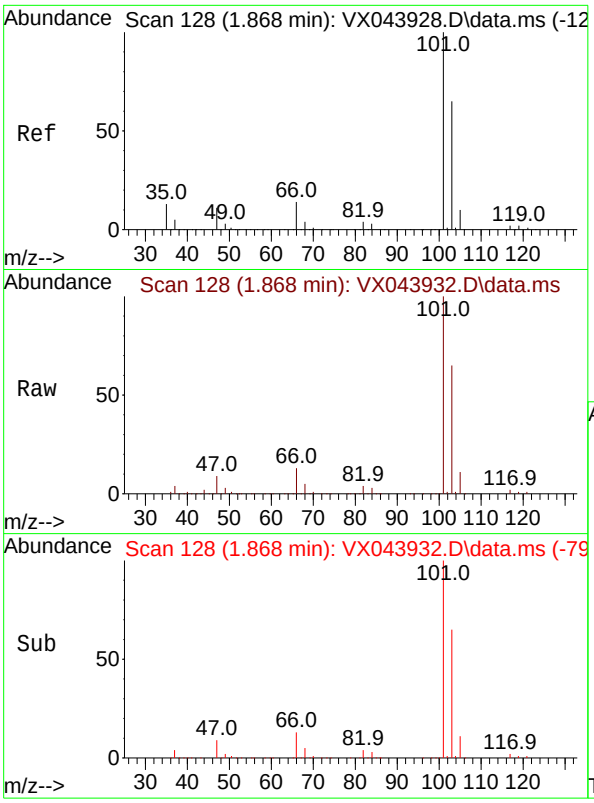


#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9

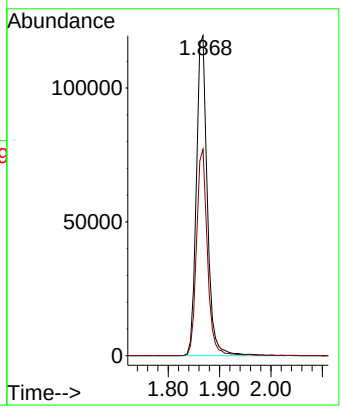




#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:101 Resp: 17746

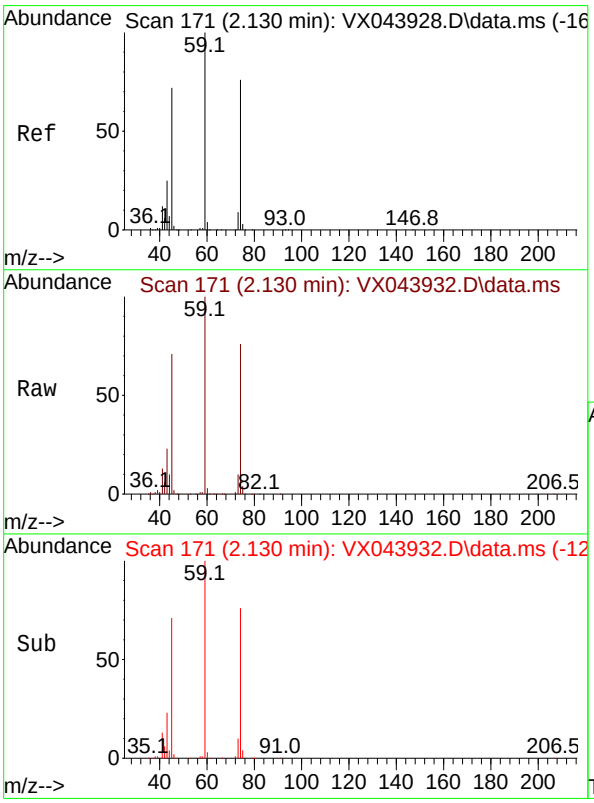
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

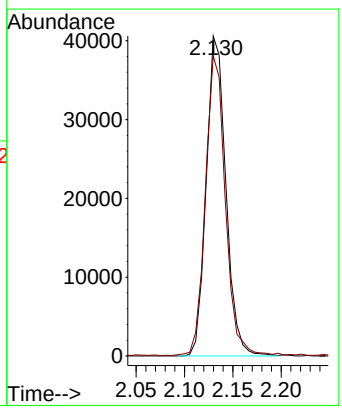
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

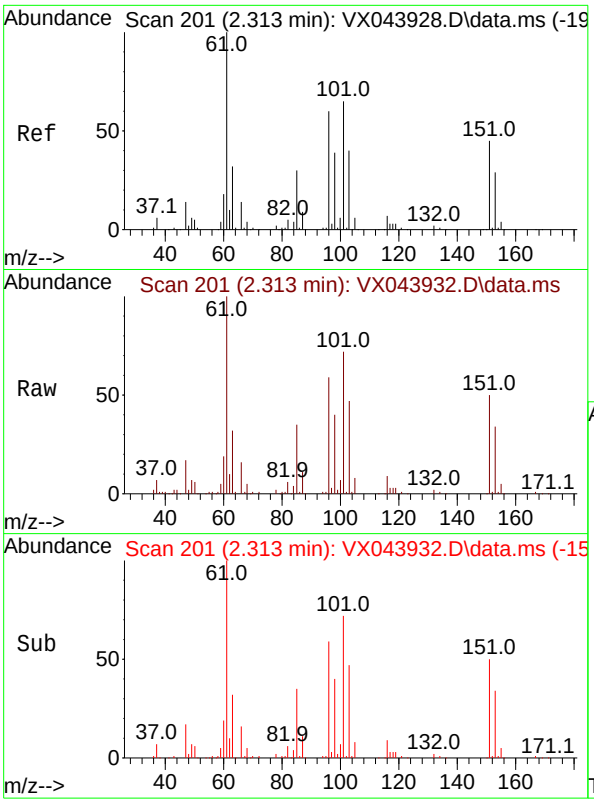


#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.9	143.6

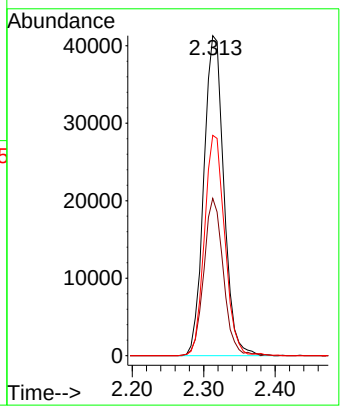




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:101 Resp: 8045

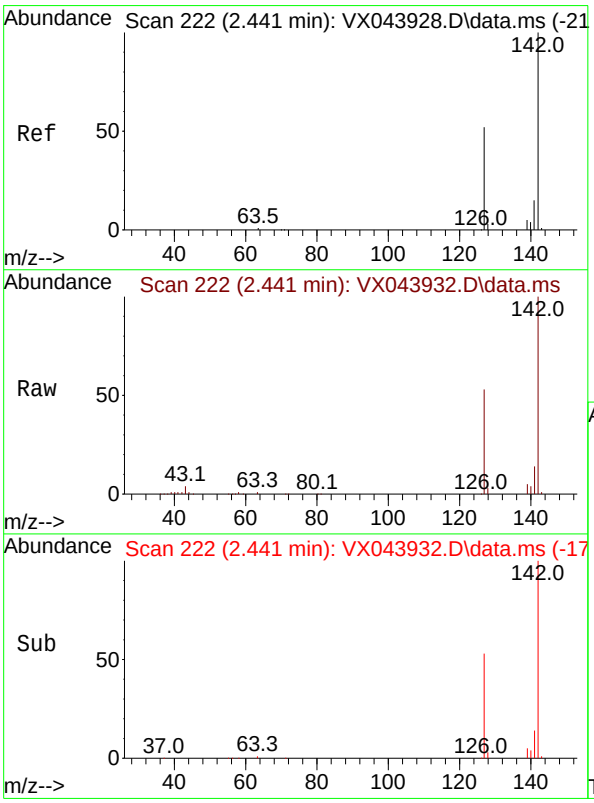
Ion	Ratio	Lower	Upper
101	100		
85	47.7	37.9	56.9
151	69.3	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

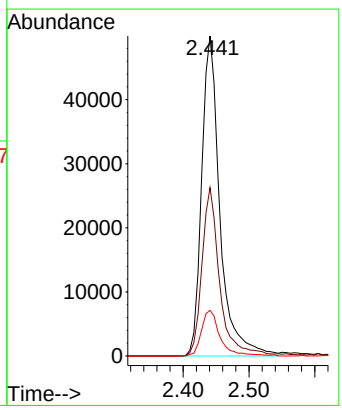
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

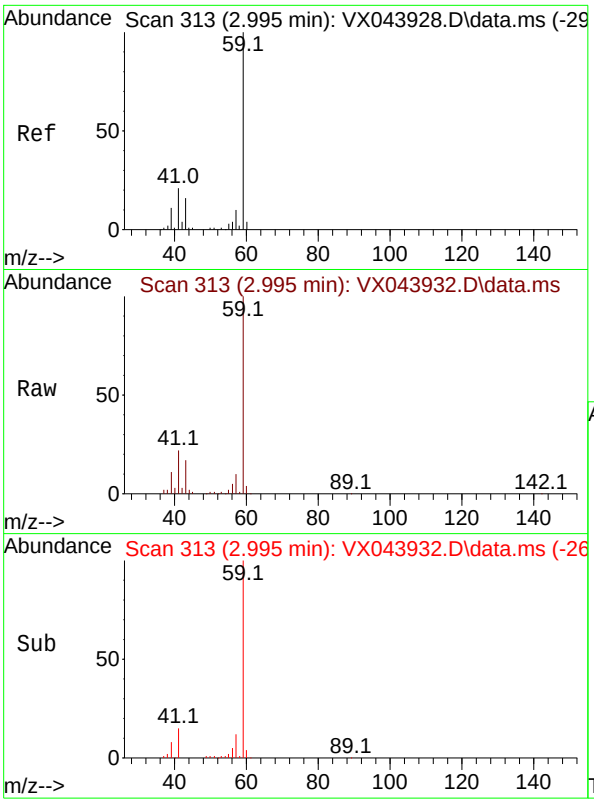


#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.7	61.1
141	14.6	12.0	18.0

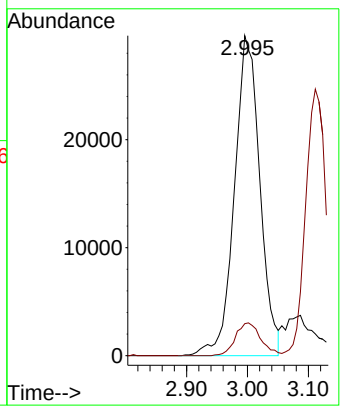




#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 59 Resp: 8592

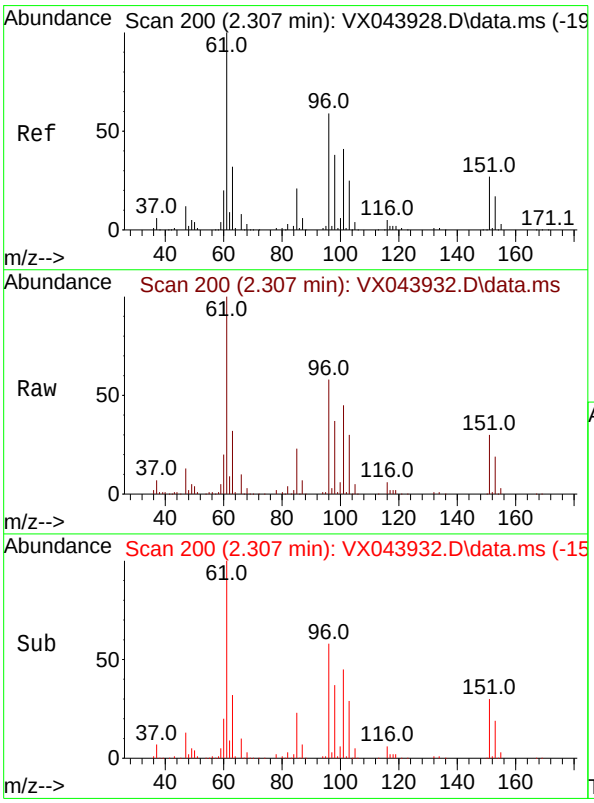
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

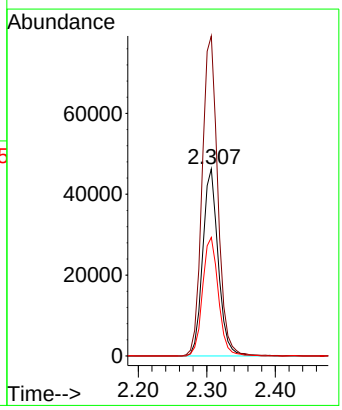
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

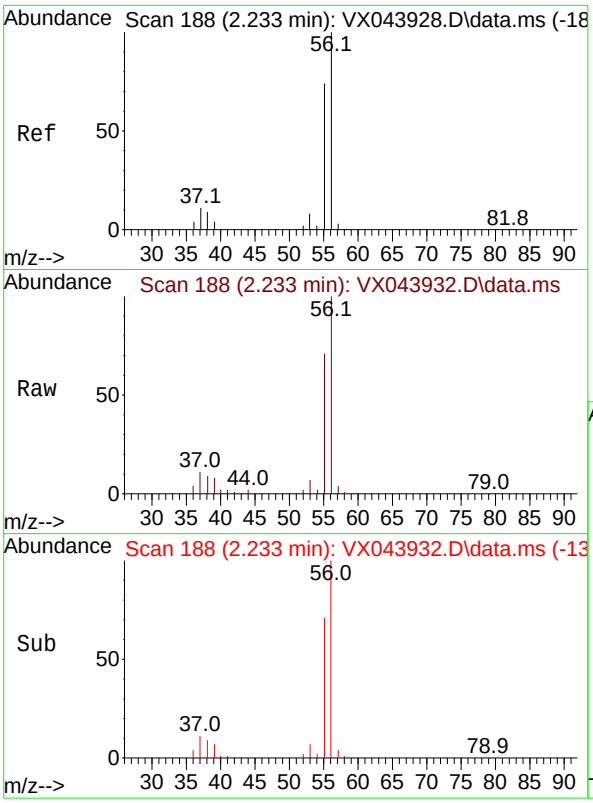


#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

Ion	Ratio	Lower	Upper
96	100		
61	171.1	135.5	203.3
98	63.4	50.8	76.2

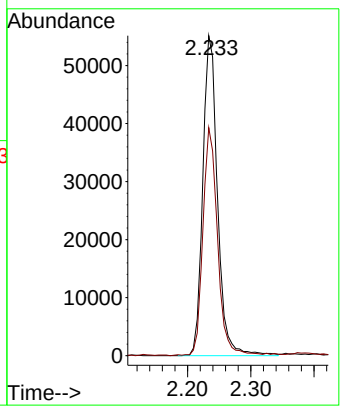




#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 8957

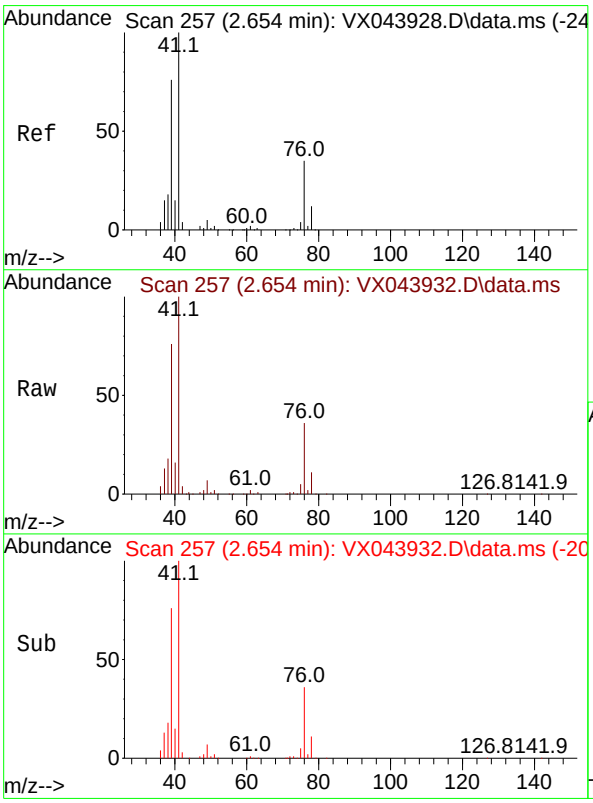
Ion	Ratio	Lower	Upper
56	100		
55	70.9	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

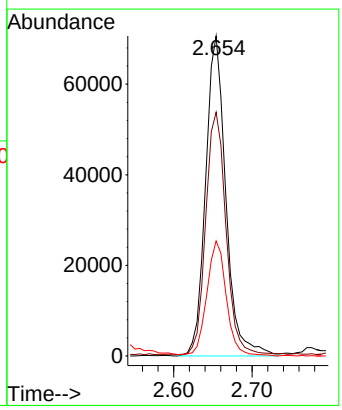
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

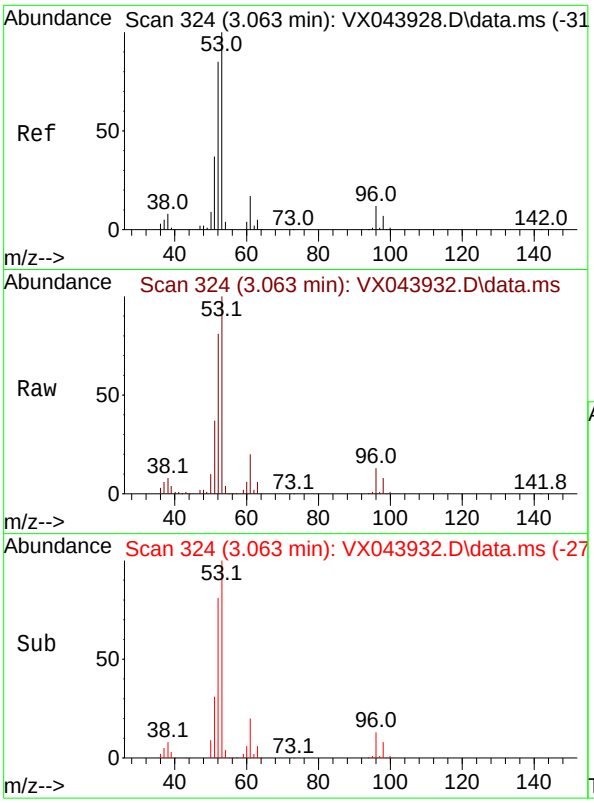


#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

Ion	Ratio	Lower	Upper
41	100		
39	75.3	59.5	89.3
76	34.5	27.4	41.2

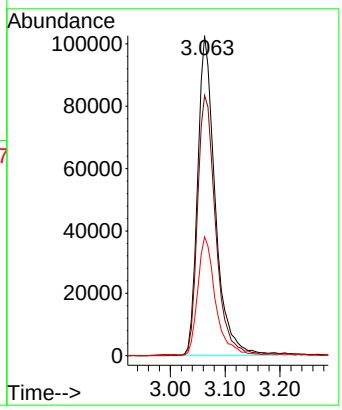




#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 53 Resp: 22783

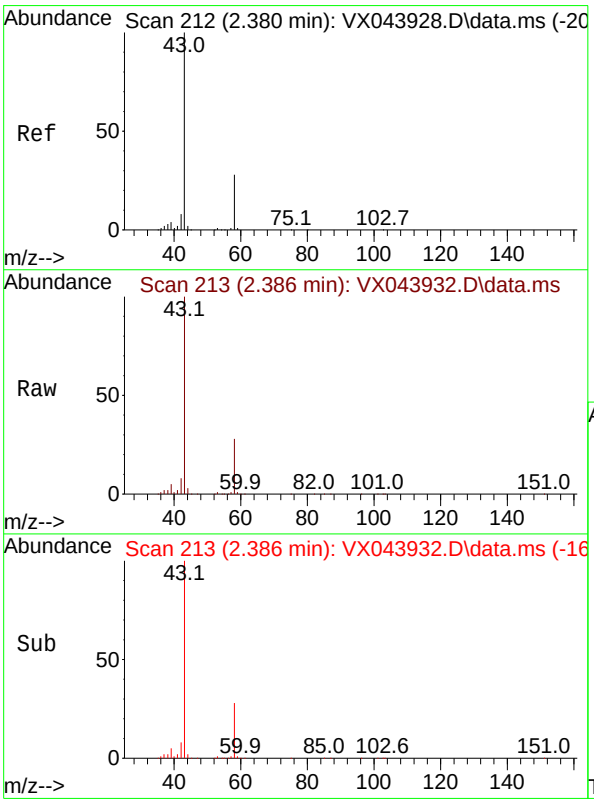
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.2	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

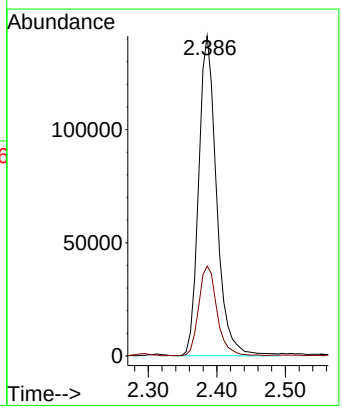
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

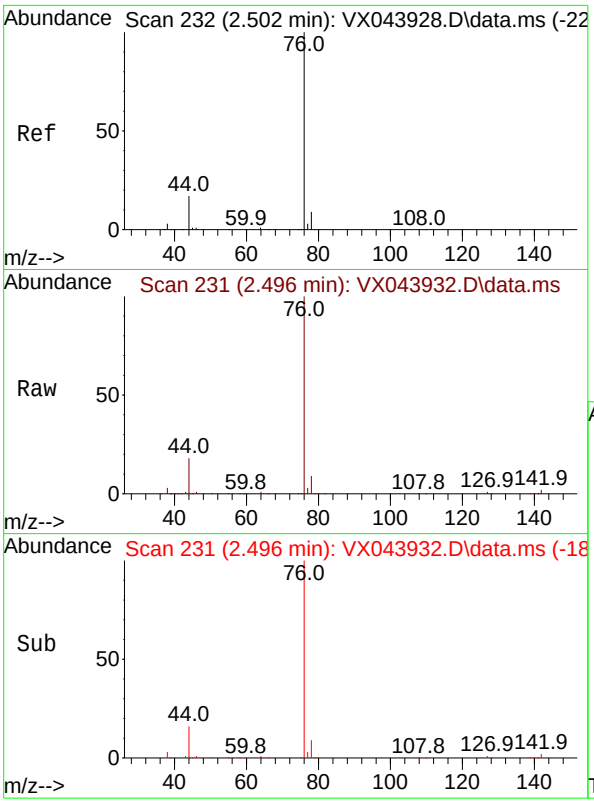


#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1

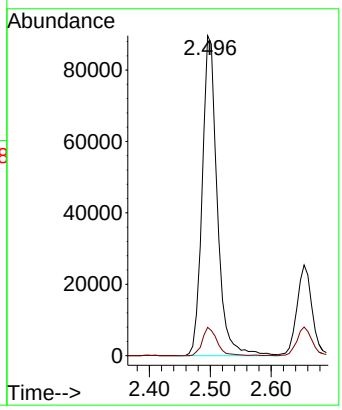




#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 76 Resp: 15382

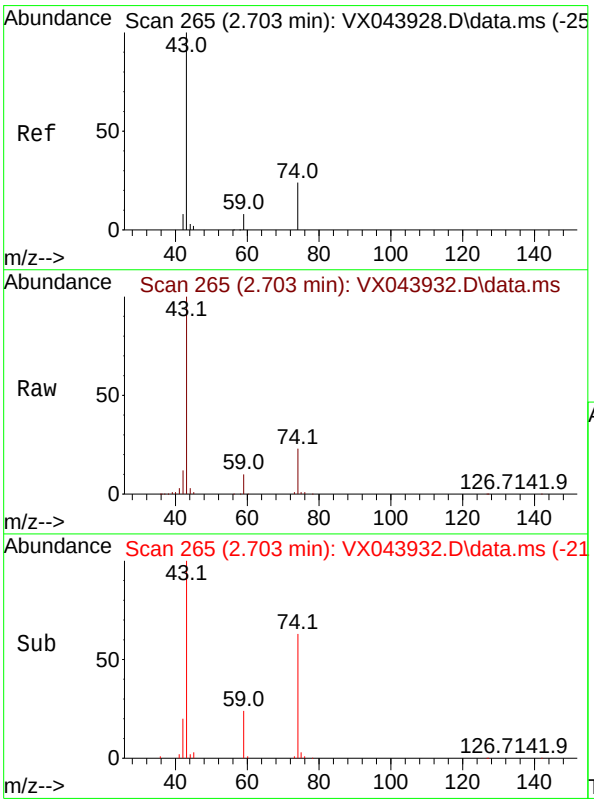
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

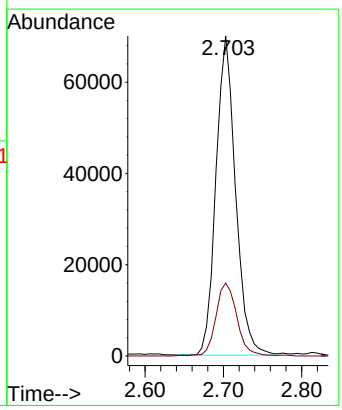
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

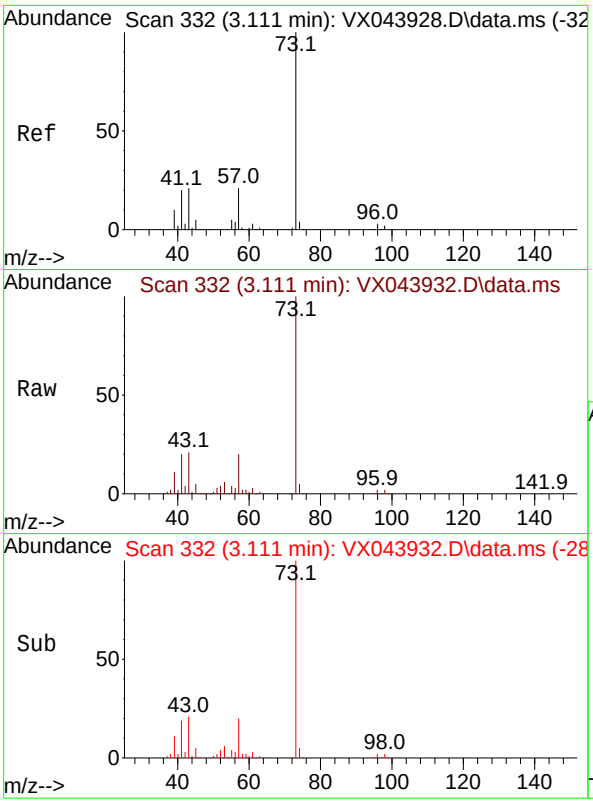


#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3

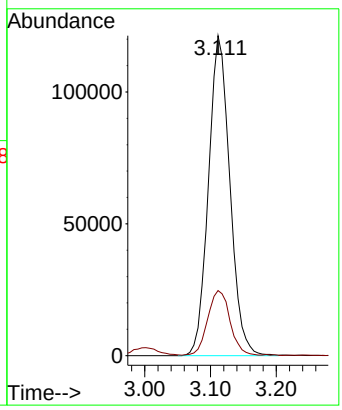




#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 73 Resp: 27522

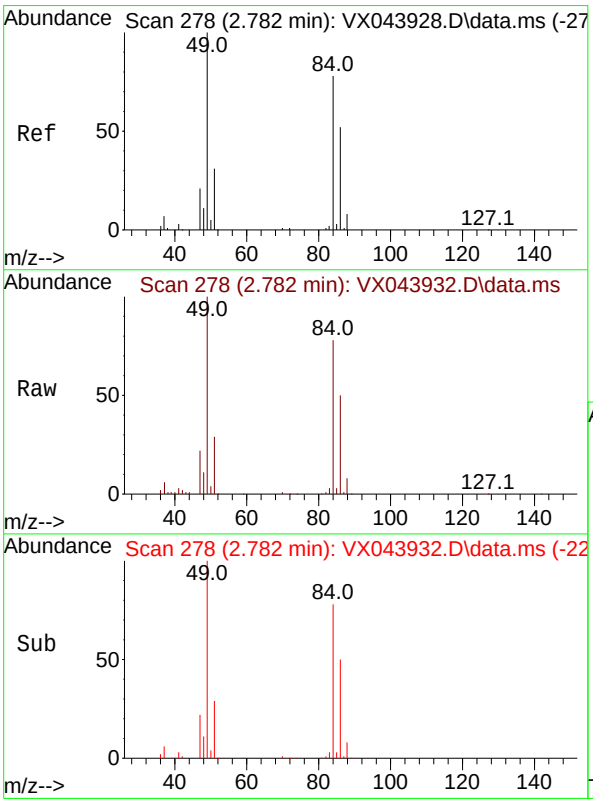
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

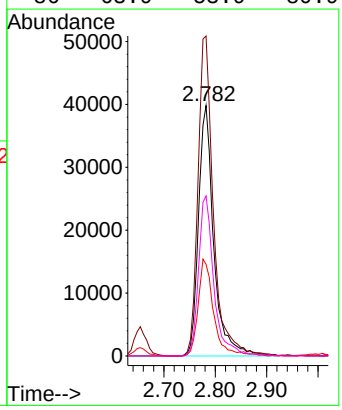
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

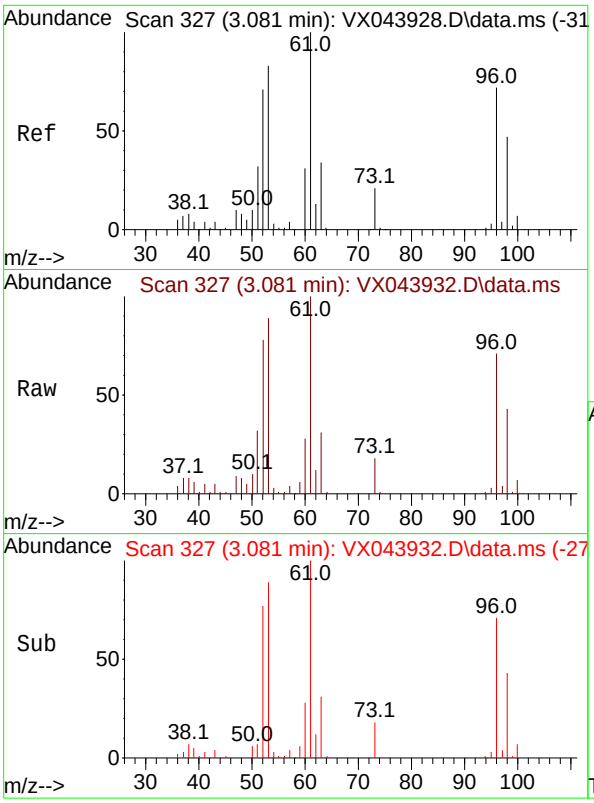


#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

Ion	Ratio	Lower	Upper
84	100		
49	127.8	102.7	154.1
51	36.6	31.7	47.5
86	63.9	53.9	80.9

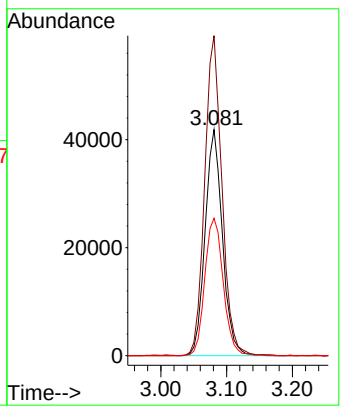




#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 7668

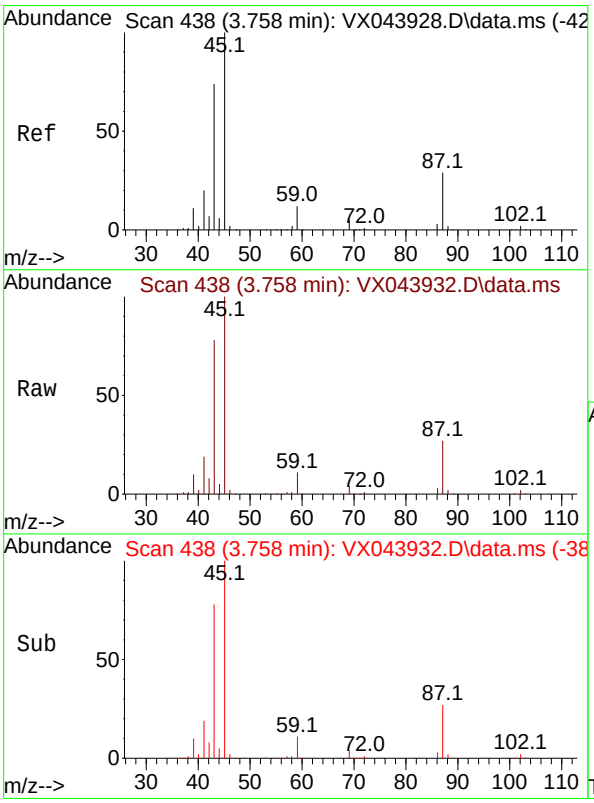
Ion	Ratio	Lower	Upper
96	100		
61	141.5	111.8	167.6
98	60.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

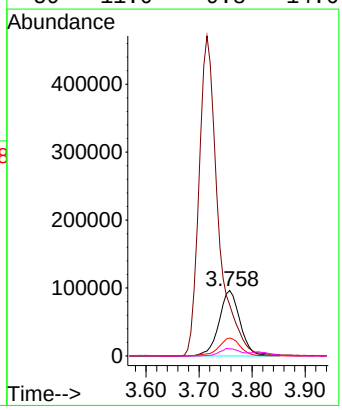
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

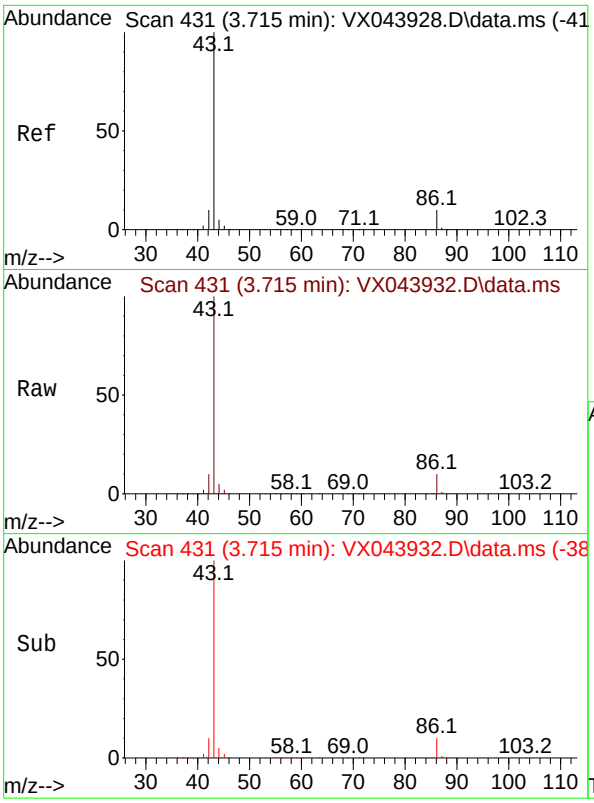


#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

Ion	Ratio	Lower	Upper
45	100		
43	78.0	59.6	89.4
87	27.4	22.9	34.3
59	11.0	9.8	14.6





#23
Vinyl Acetate
Concen: 263.441 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

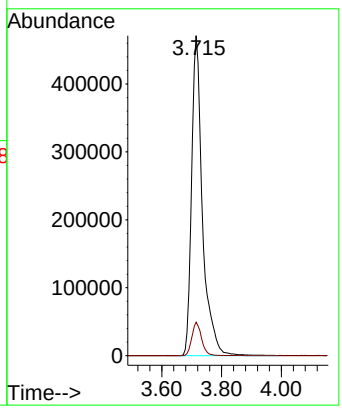
Tgt Ion: 43 Resp: 118924

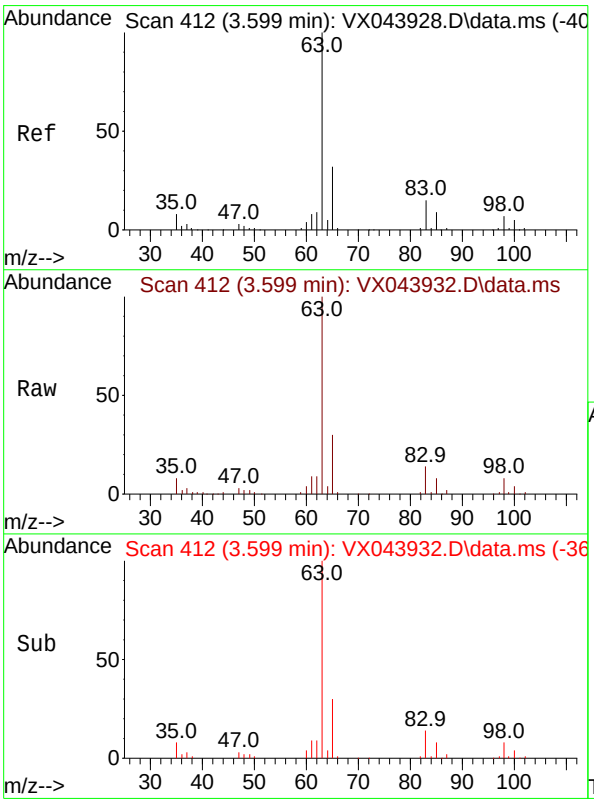
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

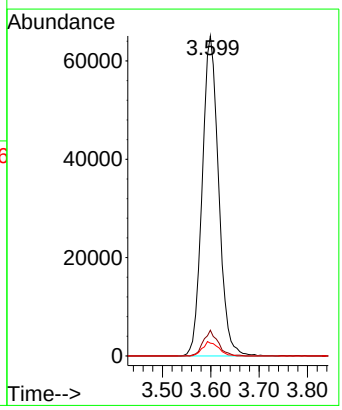


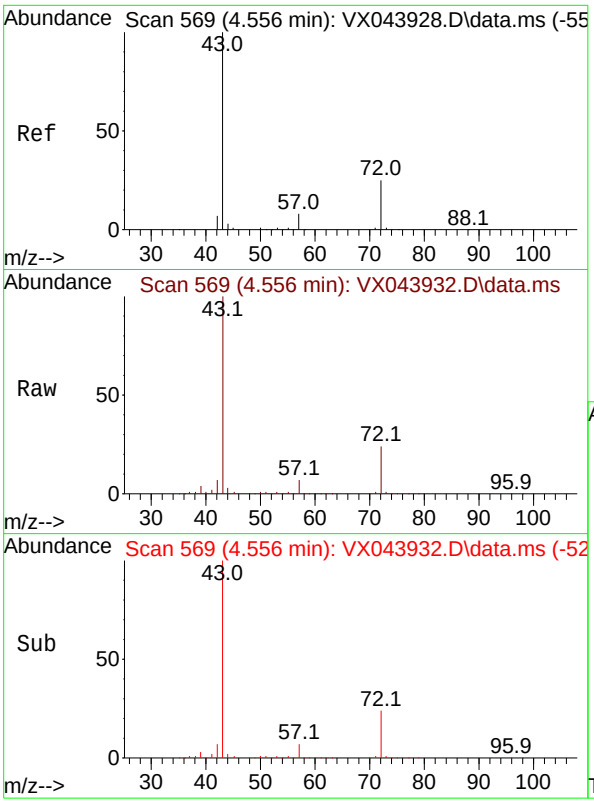


#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.6
100	4.0	2.4	7.1

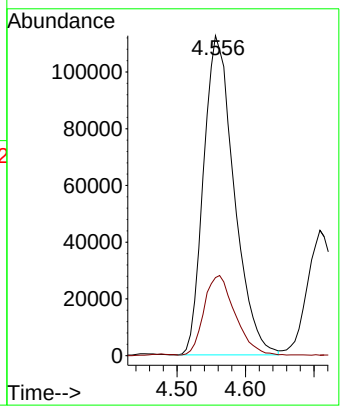




#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 34880

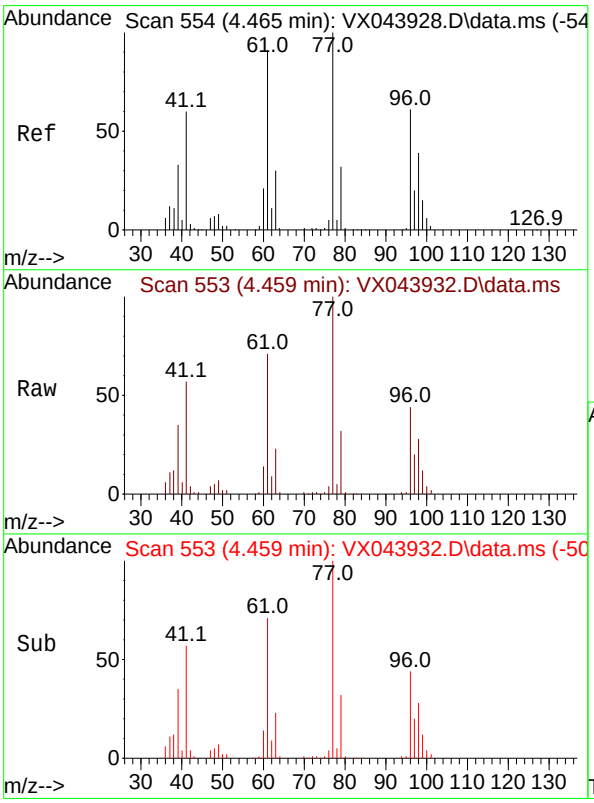
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

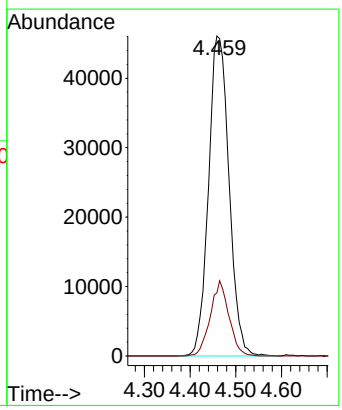
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

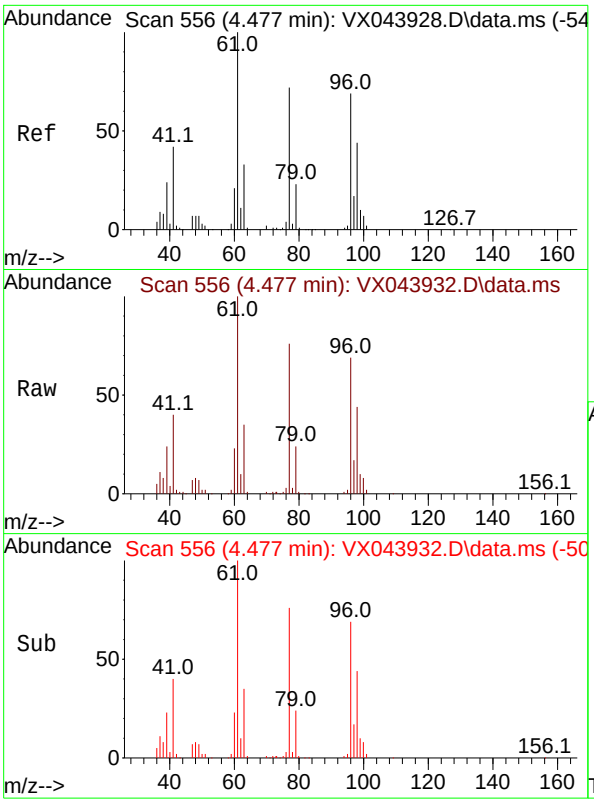


#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3

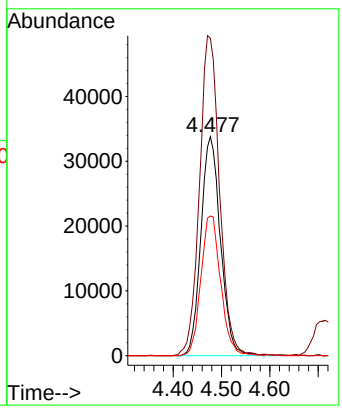




#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 9507

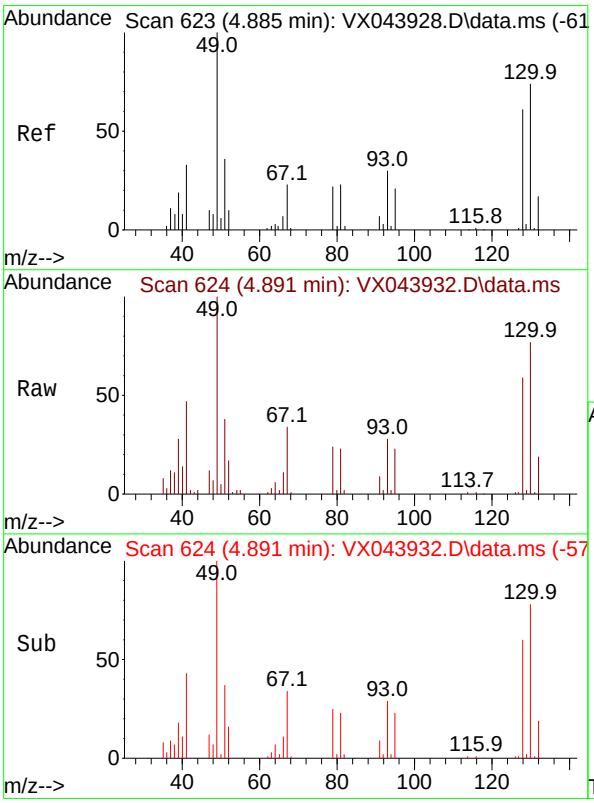
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	297.4
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

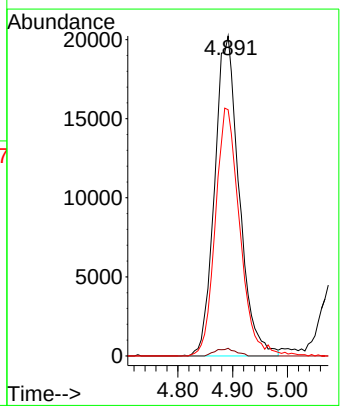
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

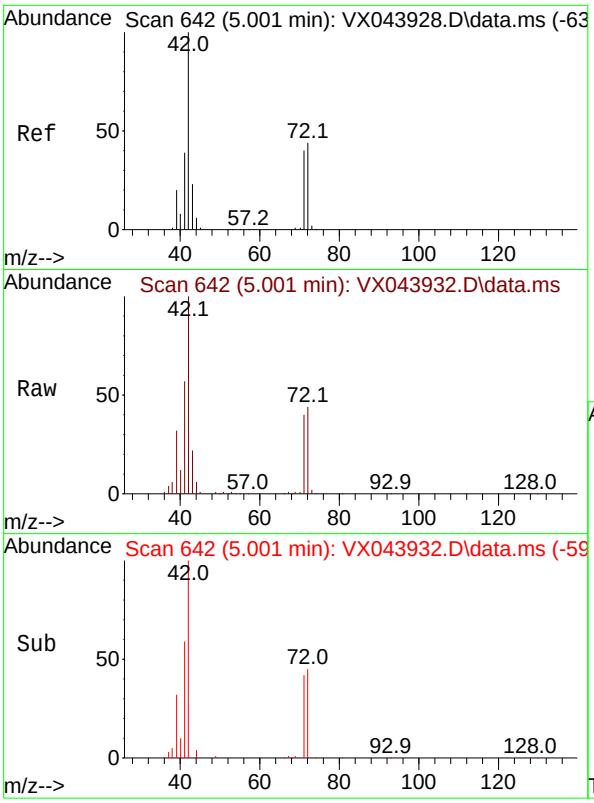


#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	77.3	59.0	88.6

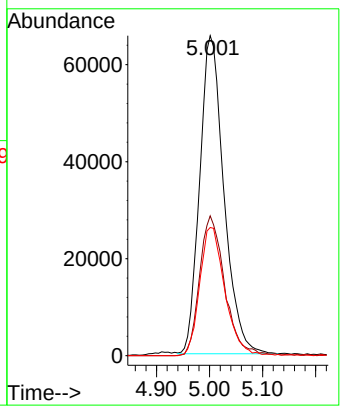




#29
Tetrahydrofuran
Concen: 254.585 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 42 Resp: 20794

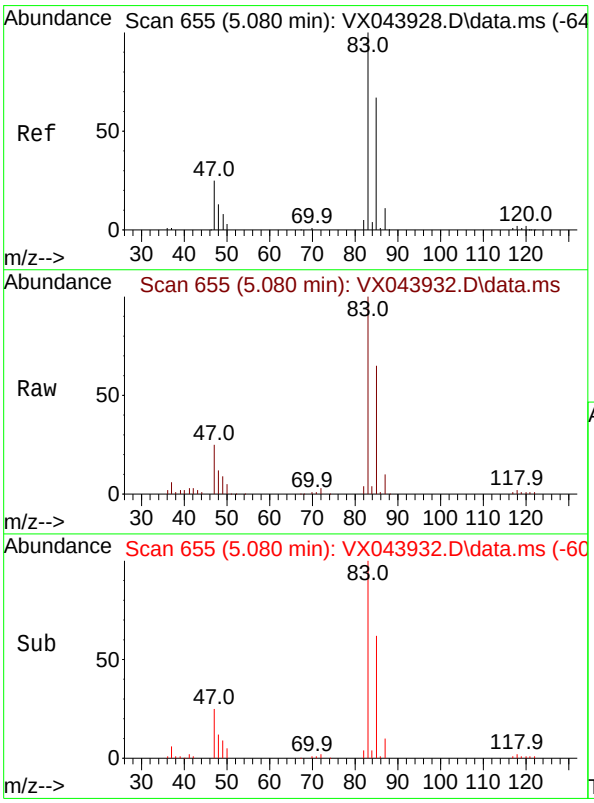
Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.4	54.6
71	42.0	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

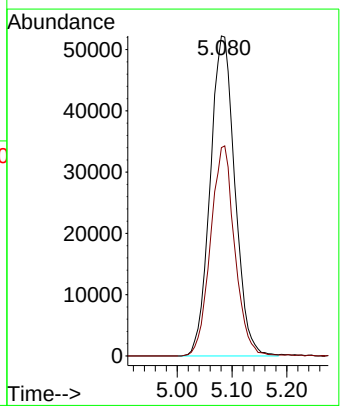
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

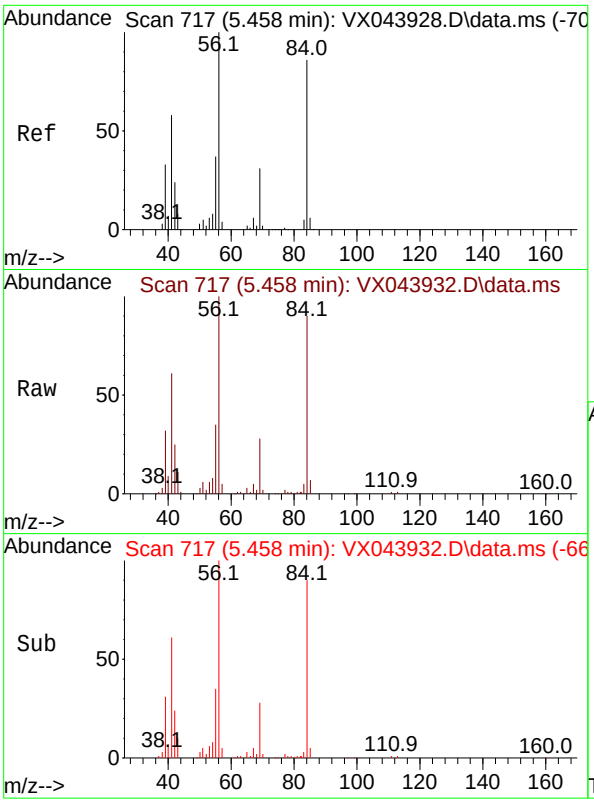


#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.5	80.3

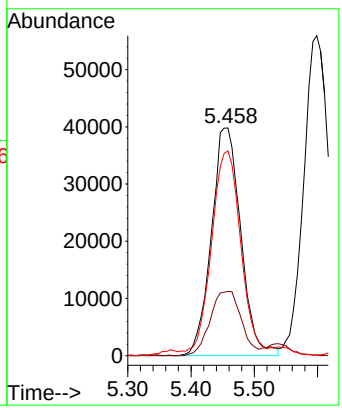




#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 12848

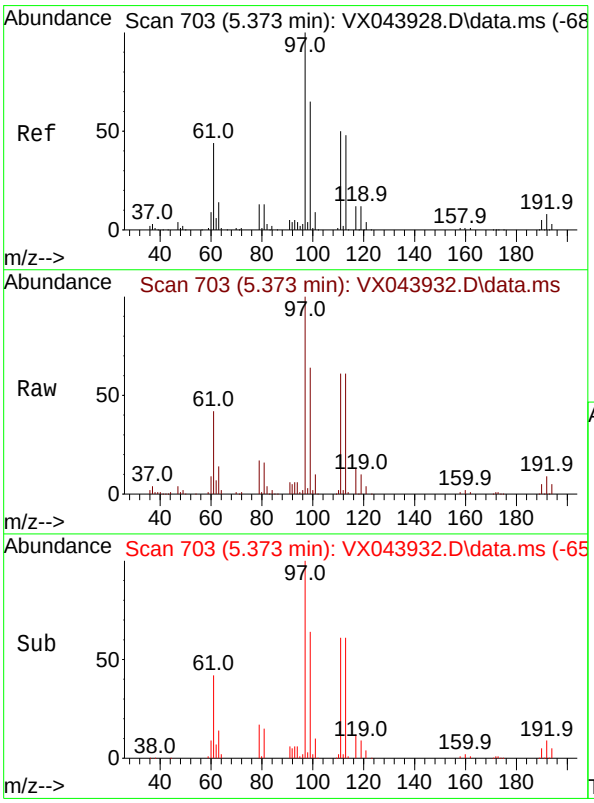
Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	88.1	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

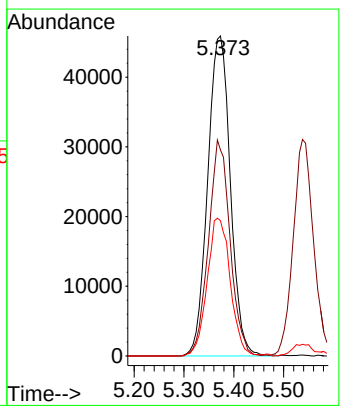
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

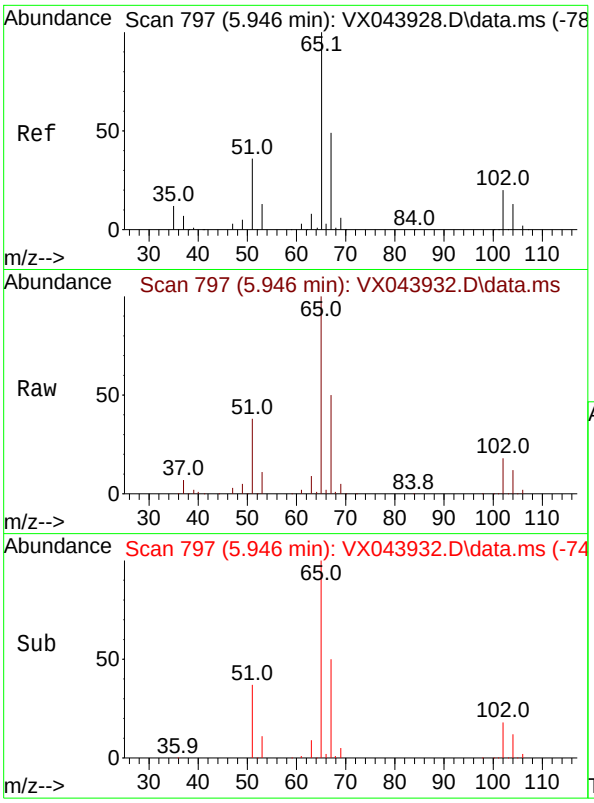


#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	43.8	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

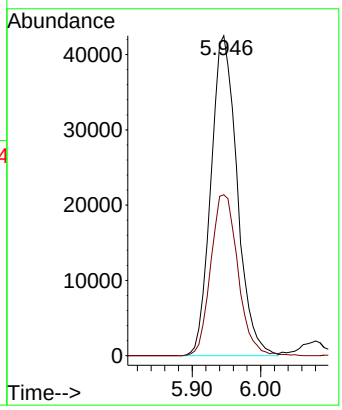
Tgt Ion: 65 Resp: 11281

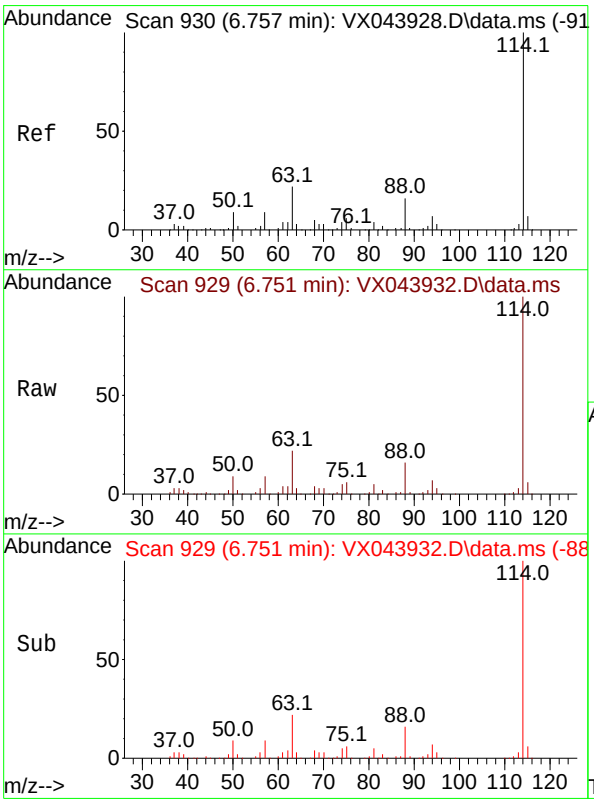
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

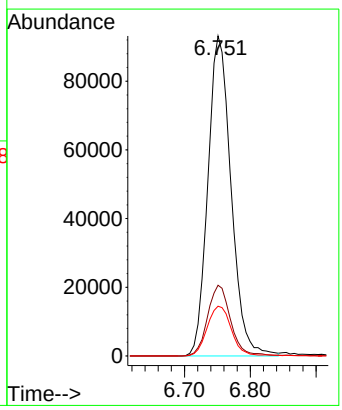


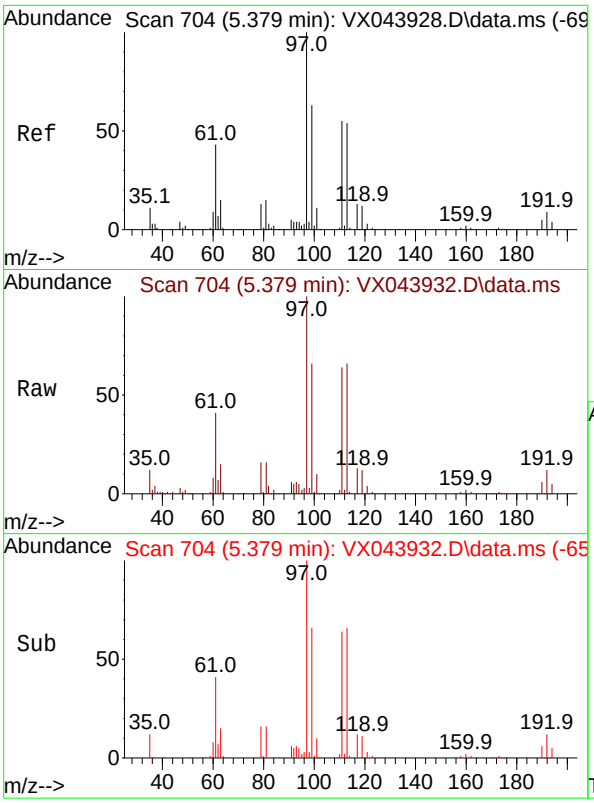


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	15.6	0.0	32.4

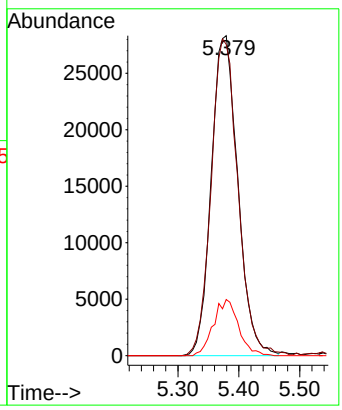




#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:113 Resp: 8581

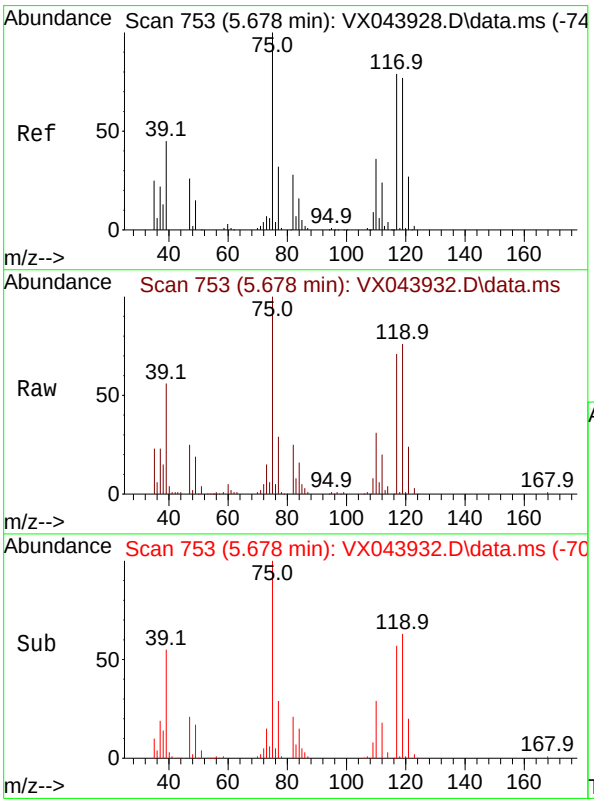
Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.0	121.4
192	16.6	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

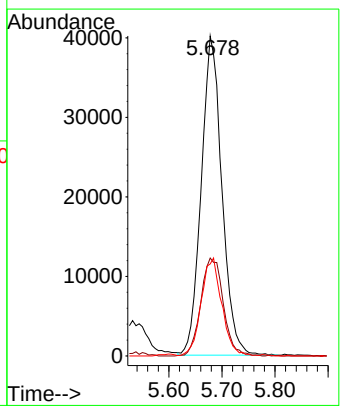
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

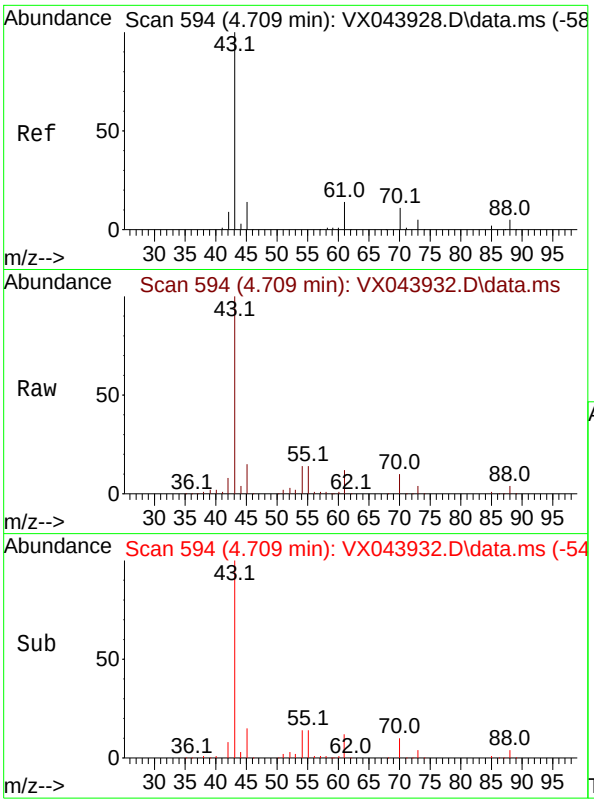


#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.4	52.2
77	30.3	25.8	38.8

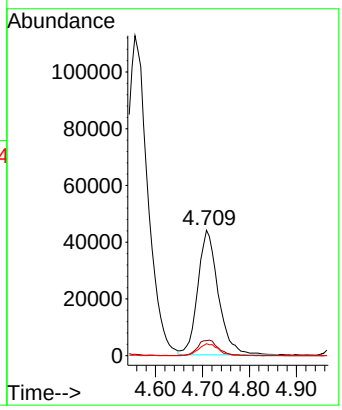




#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 13328

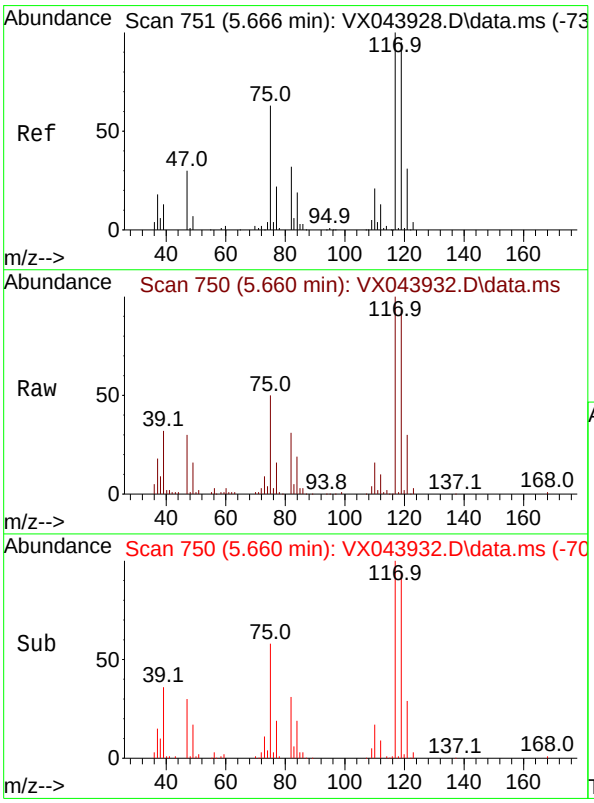
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	9.3	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

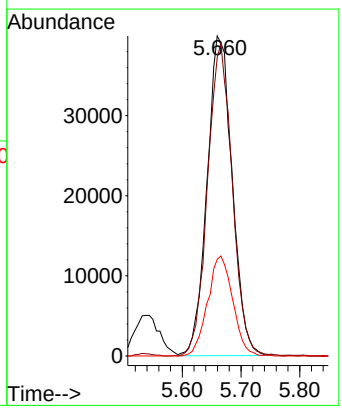
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

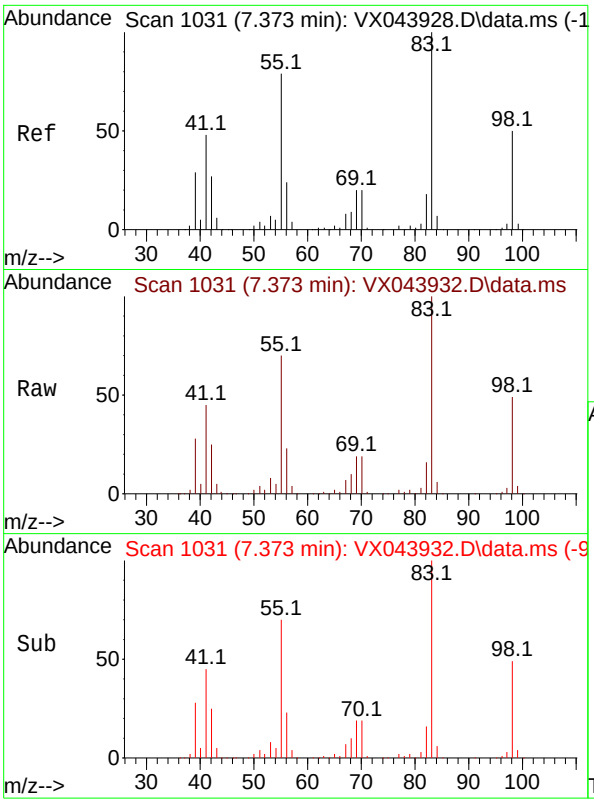


#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.2	112.8
121	30.3	24.5	36.7

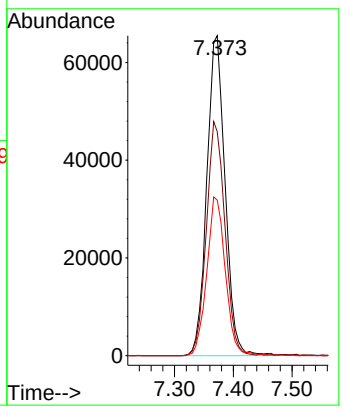




#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 14169(

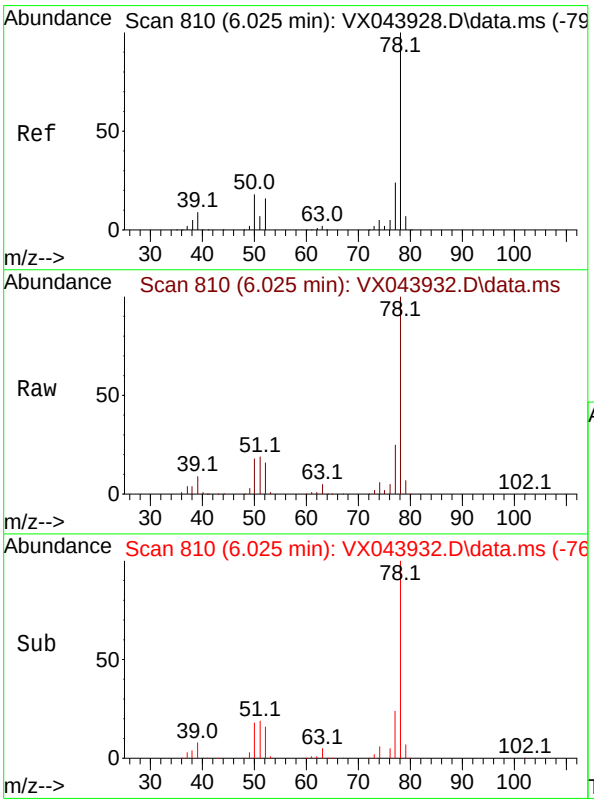
Ion	Ratio	Lower	Upper
83	100		
55	70.0	63.1	94.7
98	48.6	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

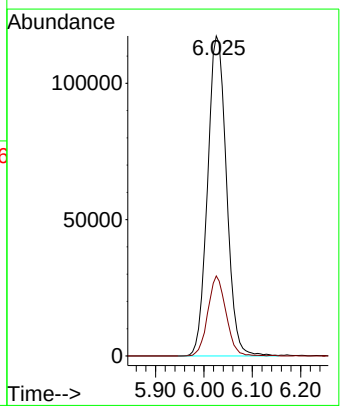
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

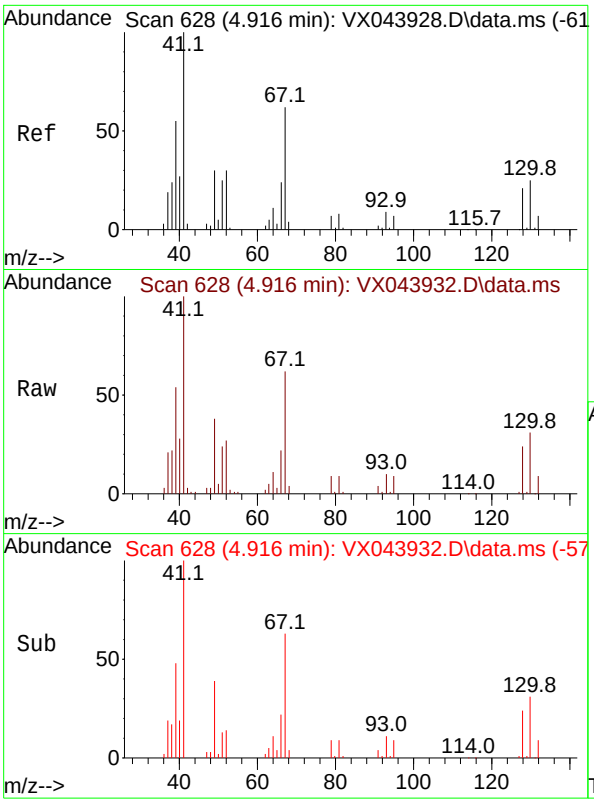


#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

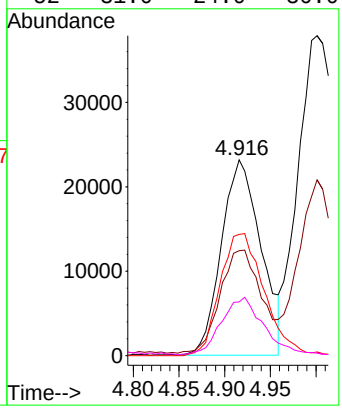




#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 6976

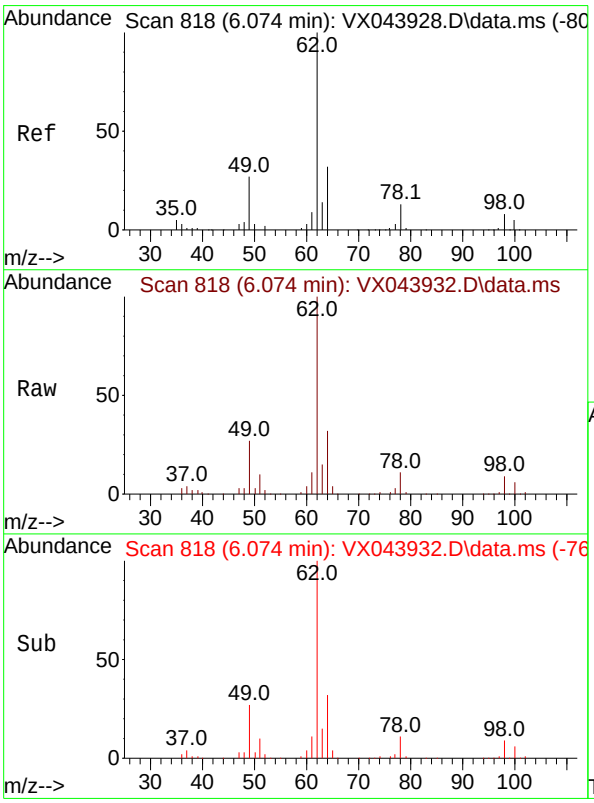
Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.7	62.5
67	70.1	55.8	83.8
52	31.0	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

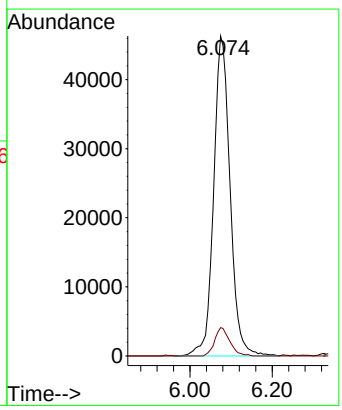
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

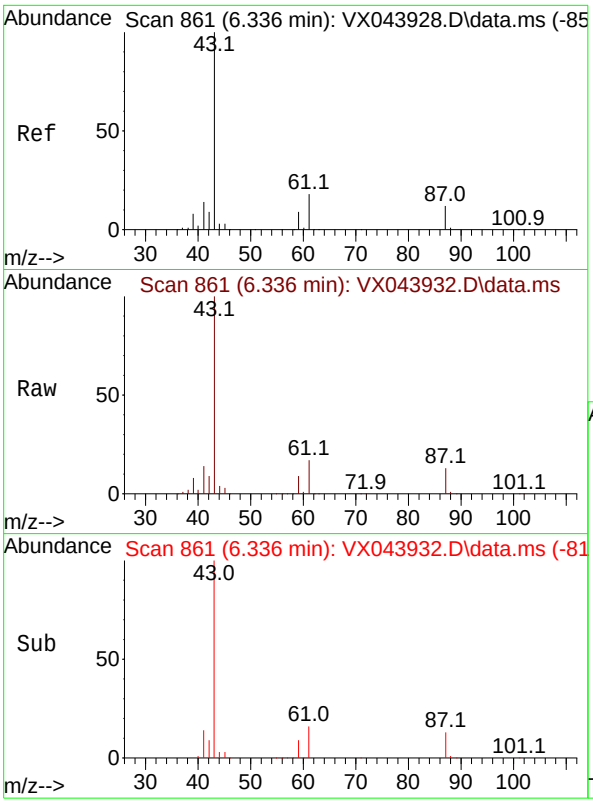


#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

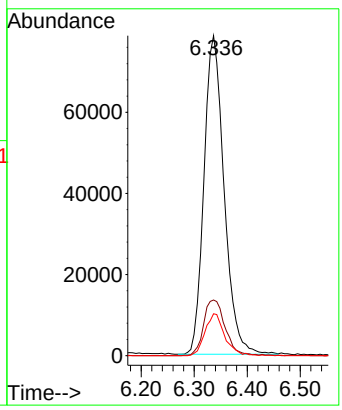




#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 20733

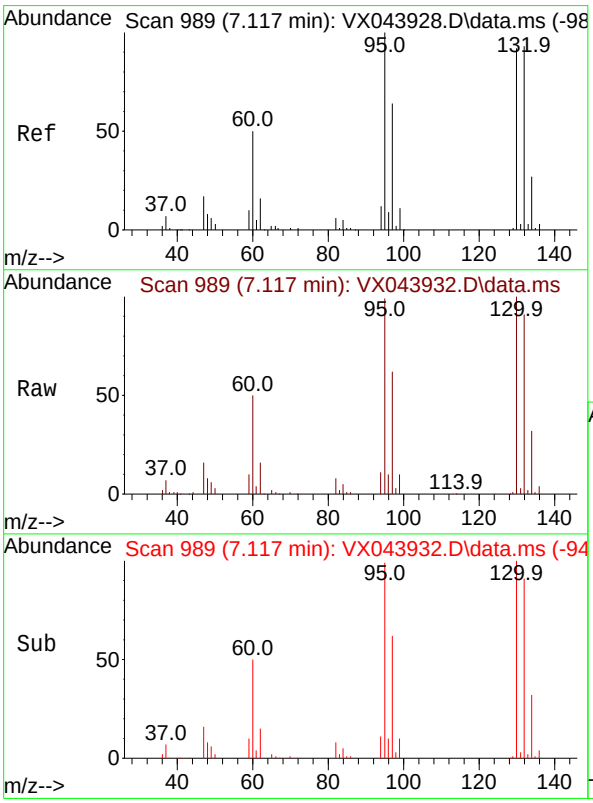
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.5	21.7
87	12.9	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

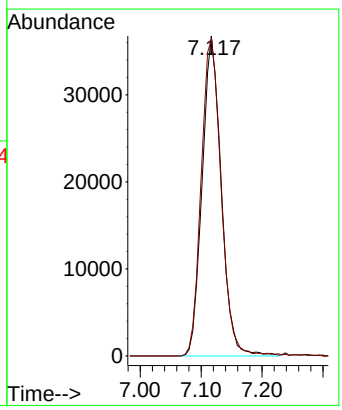
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

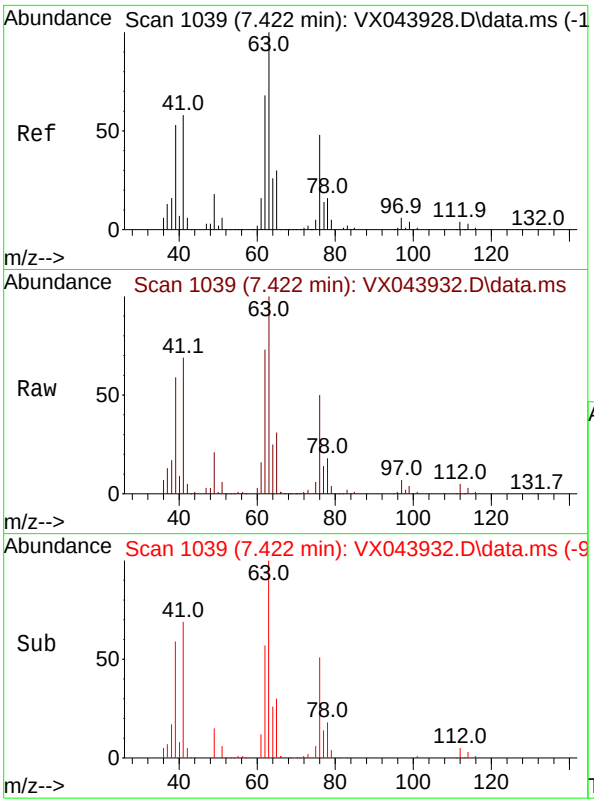


#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	217.8





#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

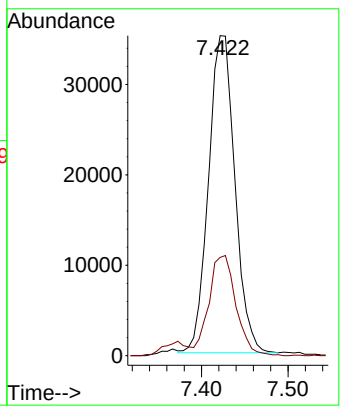
Tgt Ion: 63 Resp: 7438(

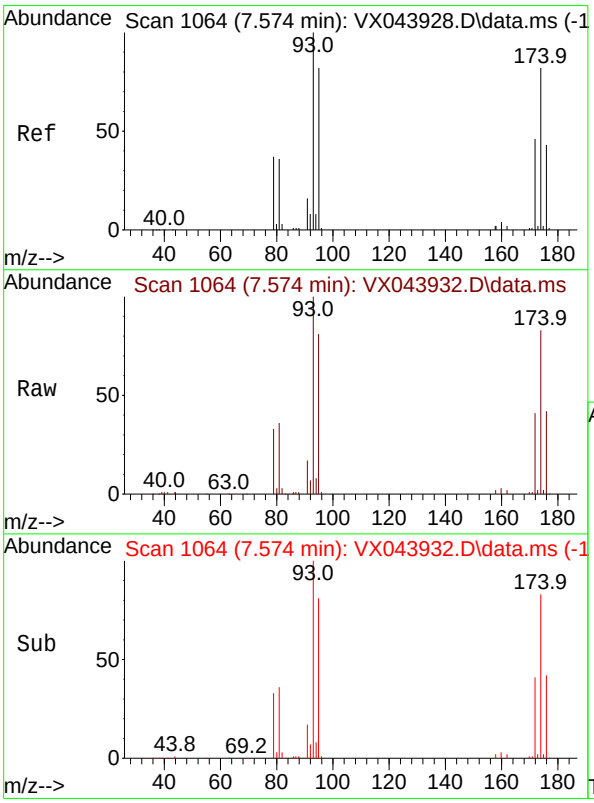
Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

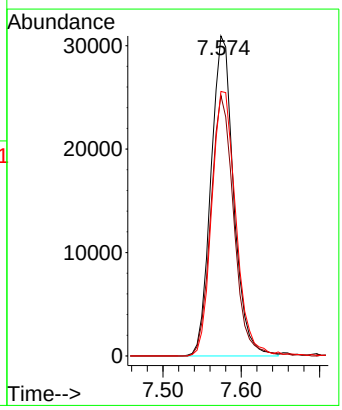


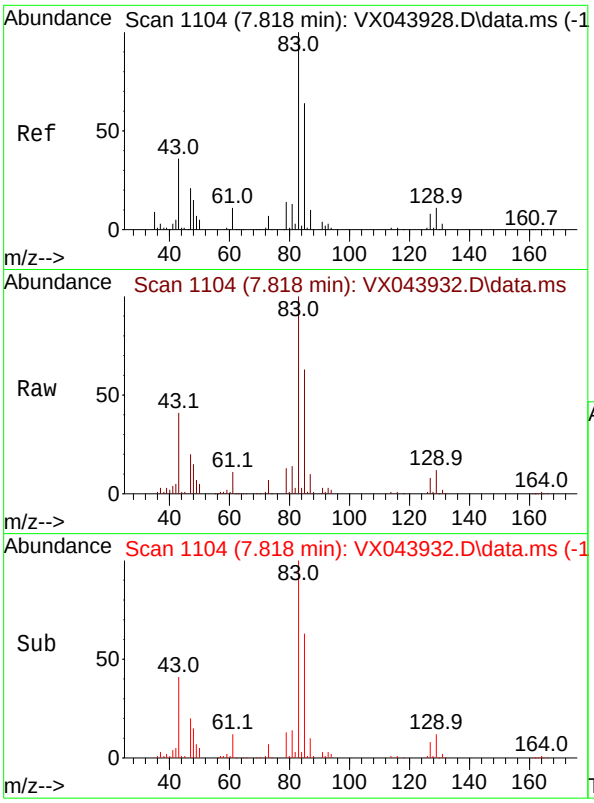


#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.2	69.6	104.4

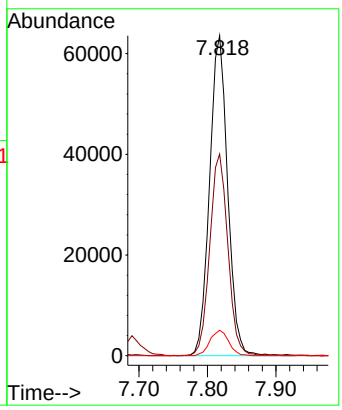




#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 11619

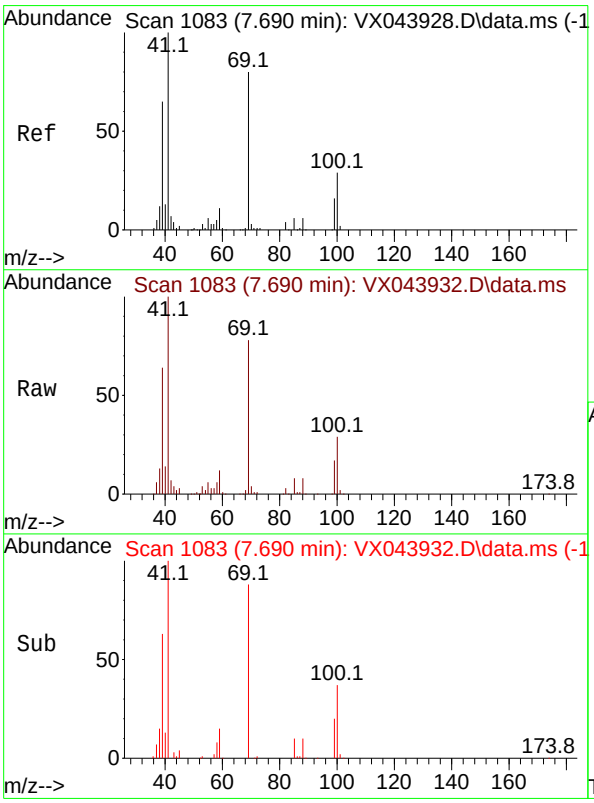
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	8.0	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

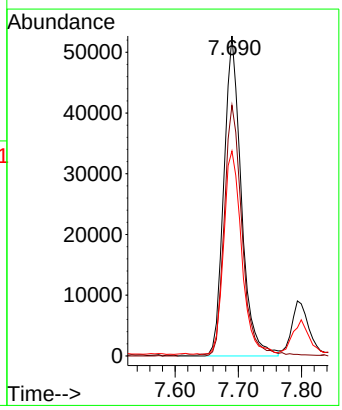
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

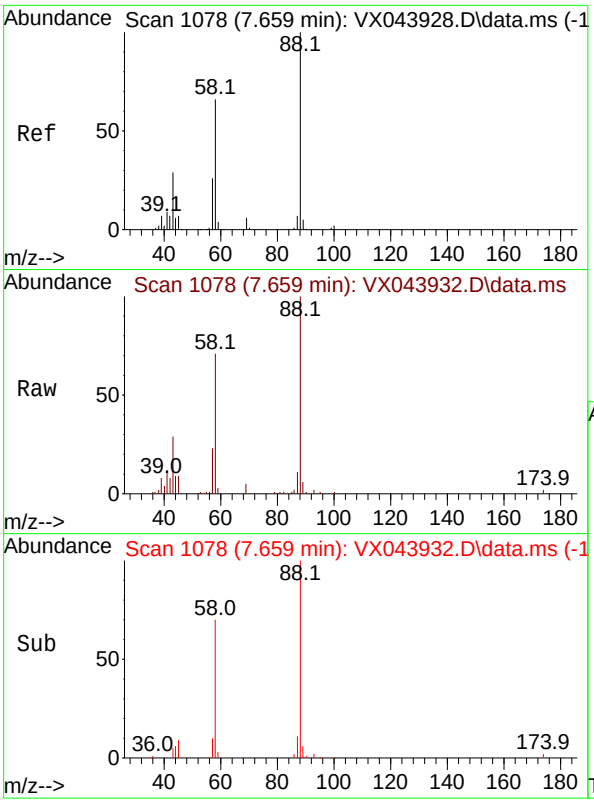


#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	65.2	53.3	79.9

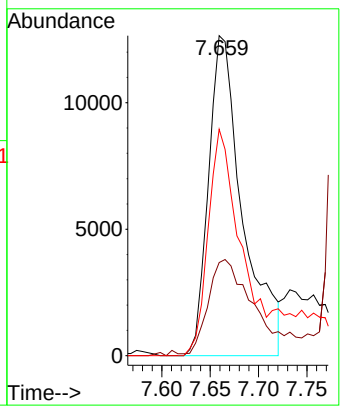




#49
1,4-Dioxane
Concen: 905.506 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 88 Resp: 3117

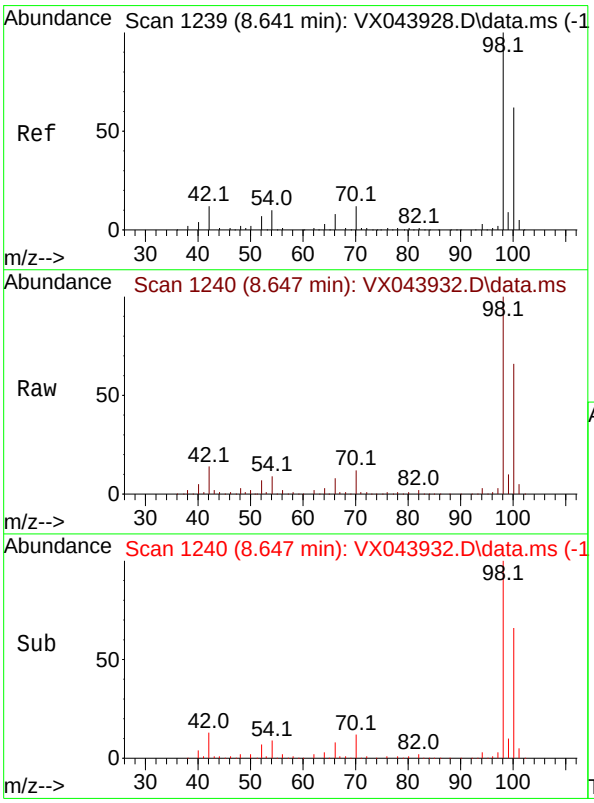
Ion	Ratio	Lower	Upper
88	100		
43	39.9	26.8	40.2
58	68.3	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

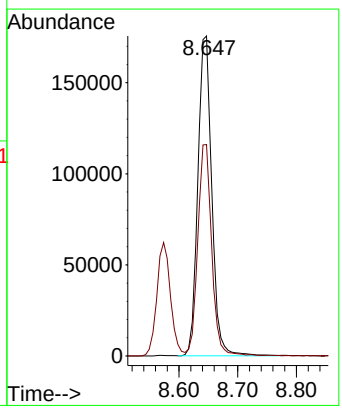
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

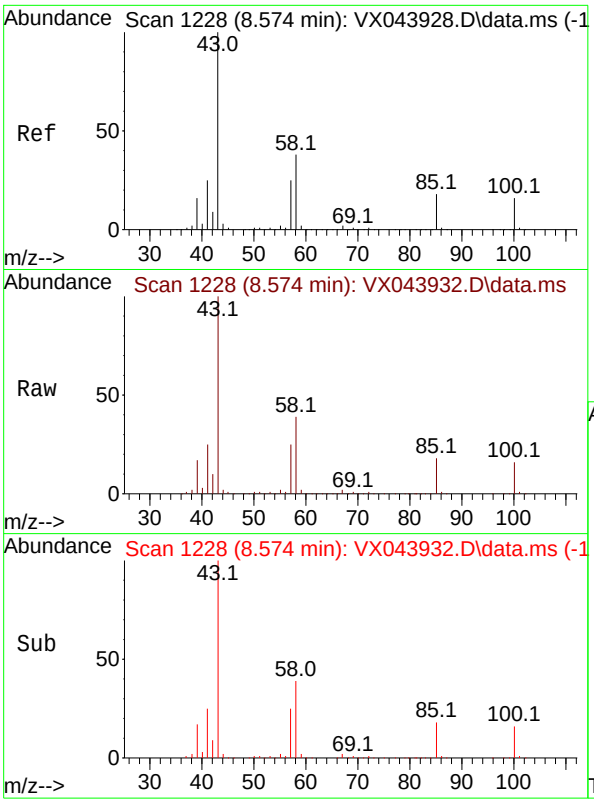


#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0

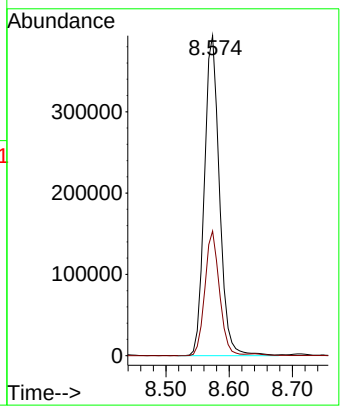




#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 65272

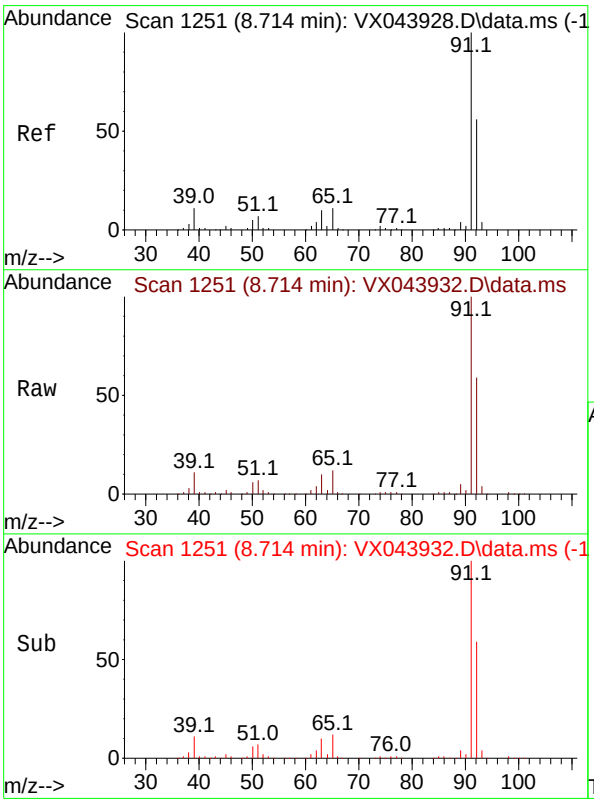
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

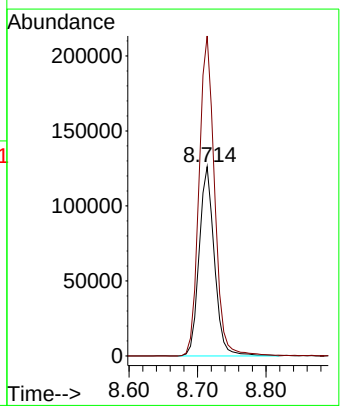
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

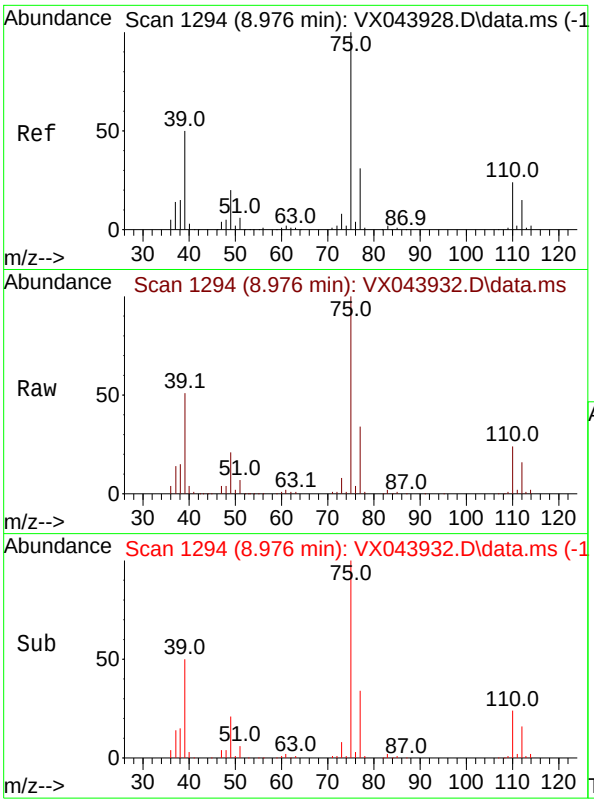


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

Ion	Ratio	Lower	Upper
92	100		
91	172.4	139.7	209.5

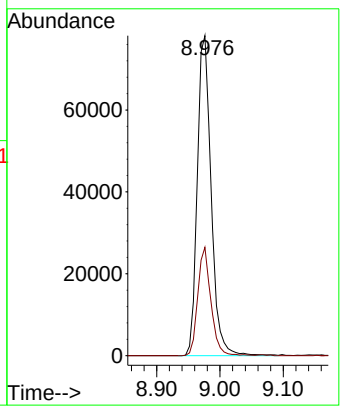




#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 11946

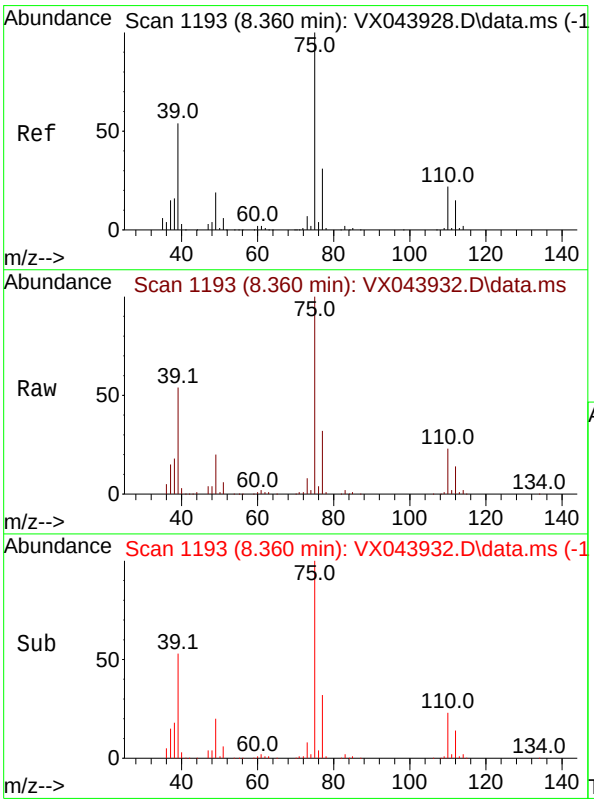
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

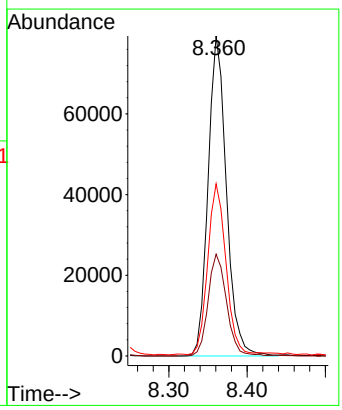
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

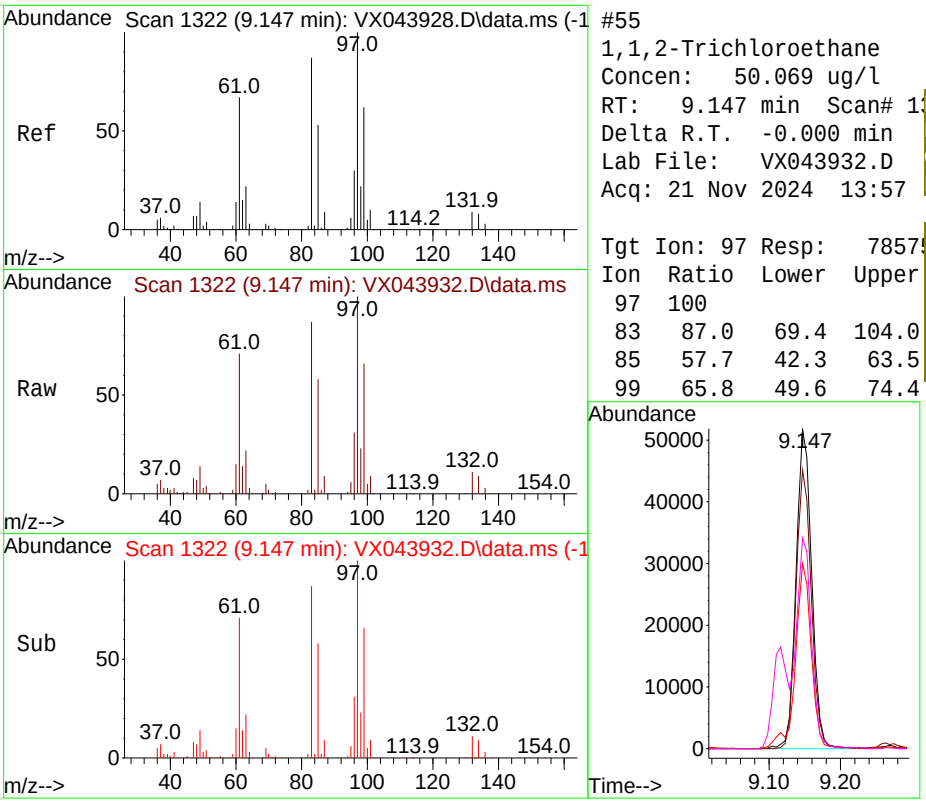


#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	53.2	43.1	64.7





#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

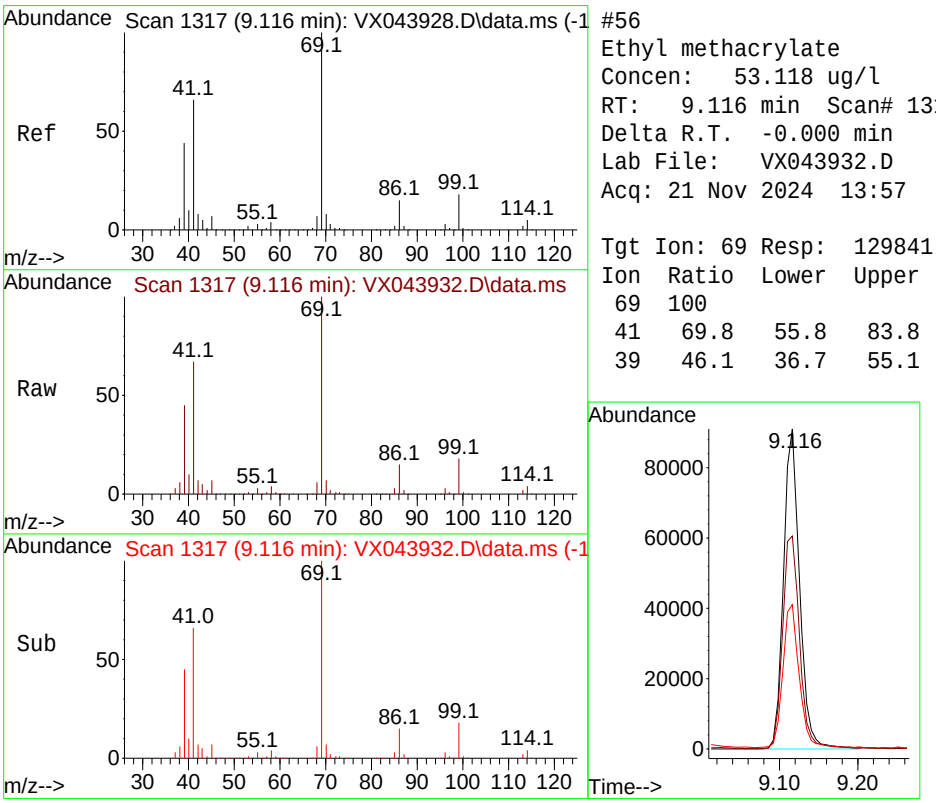
Tgt Ion: 97 Resp: 7857

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.0
85	57.7	42.3	63.5
99	65.8	49.6	74.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

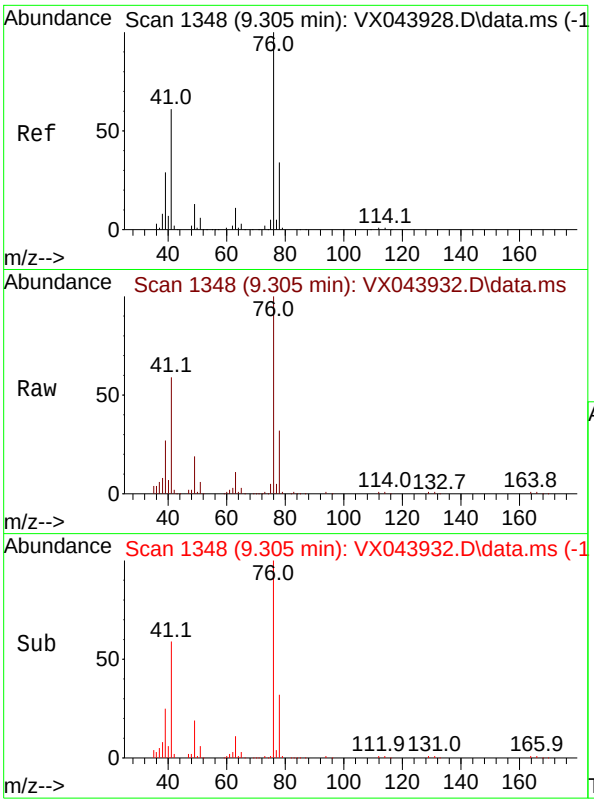
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	46.1	36.7	55.1



#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

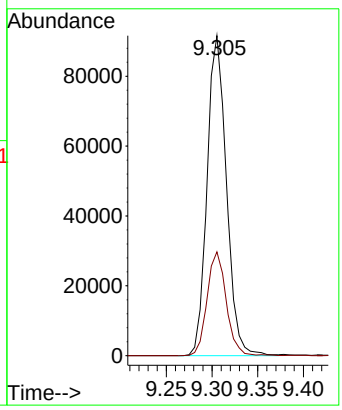
Tgt Ion: 76 Resp: 13468

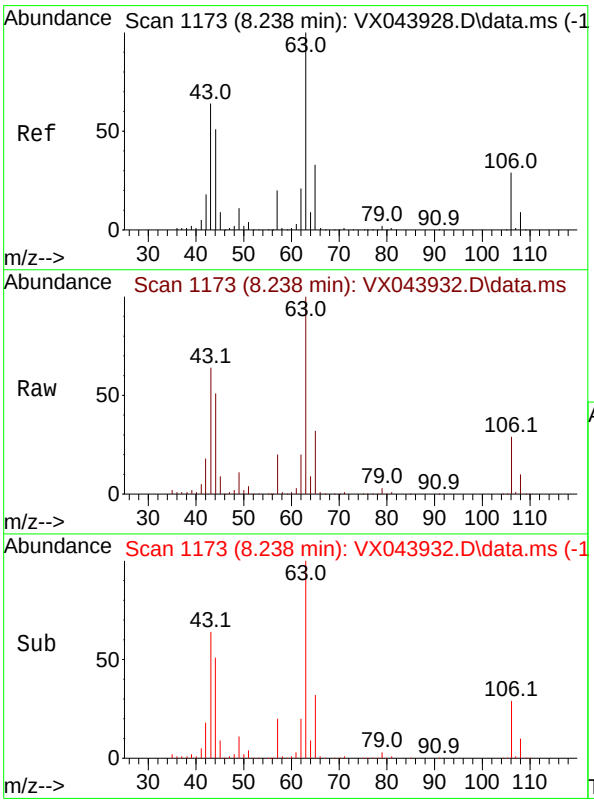
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

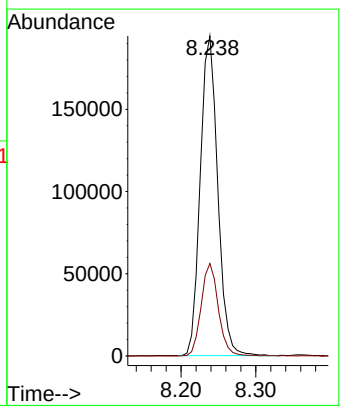


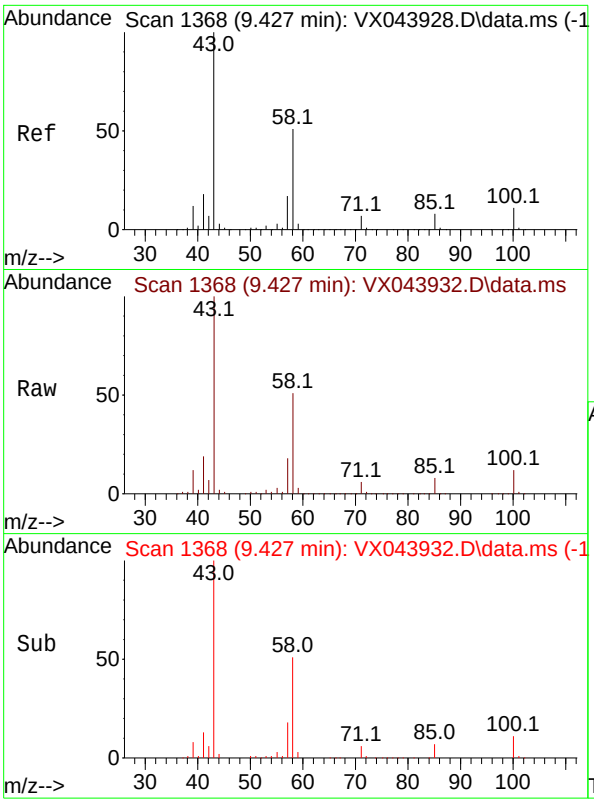


#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6





#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

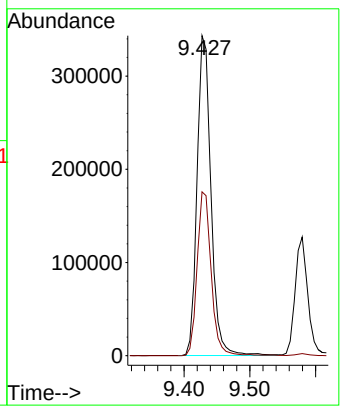
Tgt Ion: 43 Resp: 50444

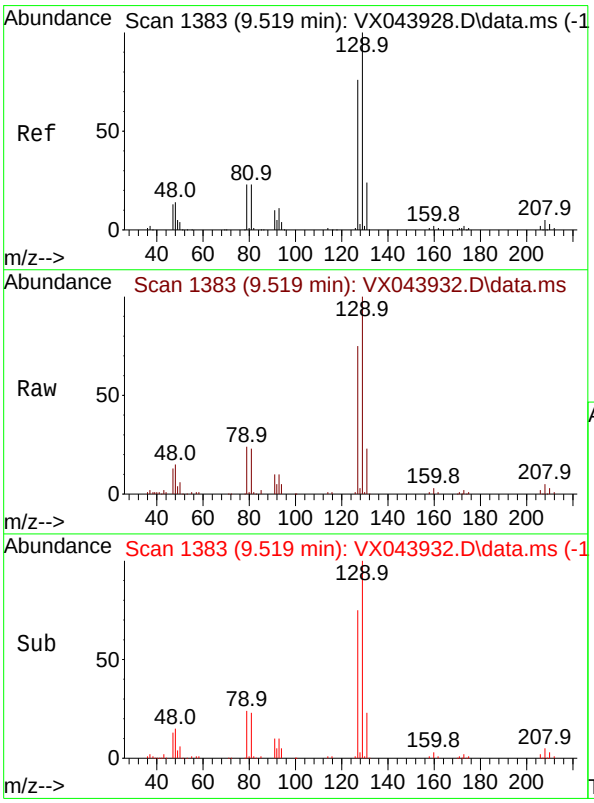
Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

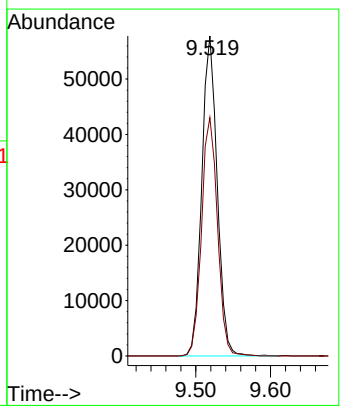


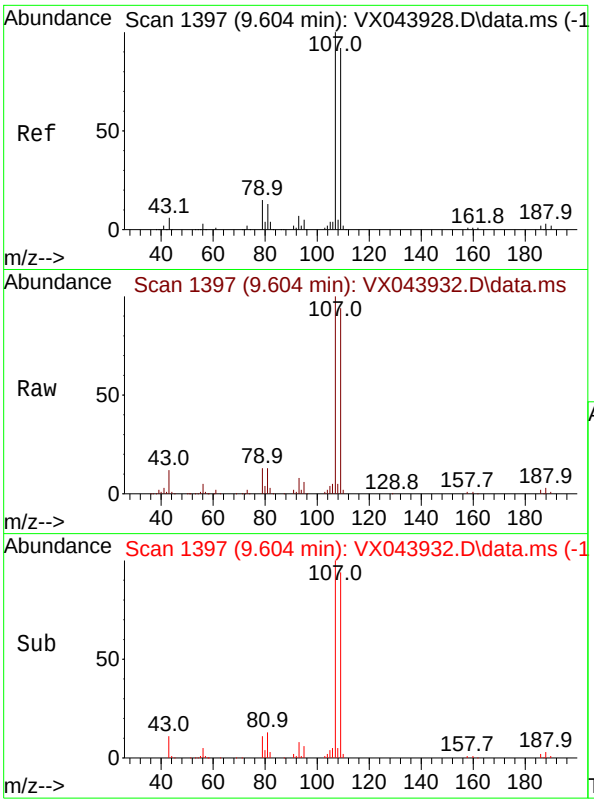


#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.2	114.6

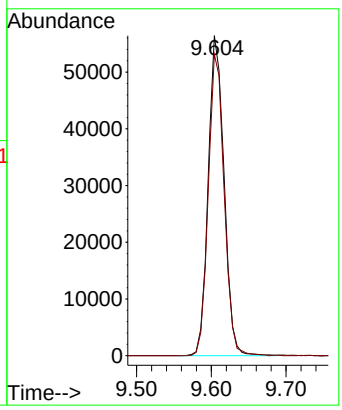




#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:107 Resp: 8309

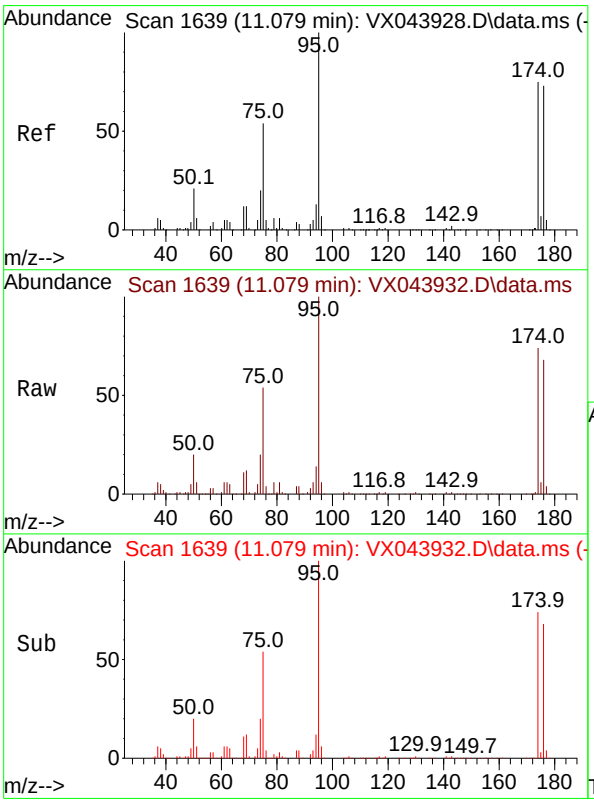
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

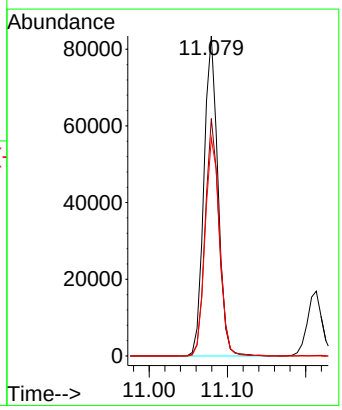
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

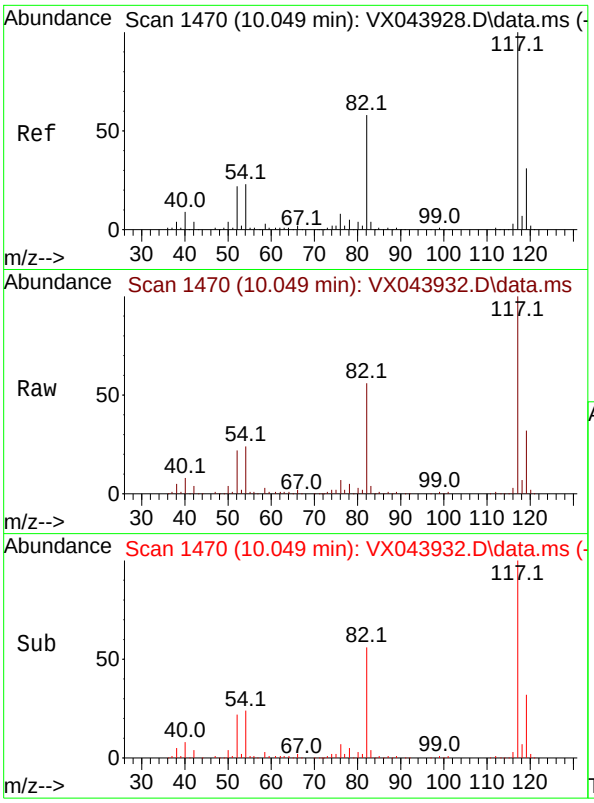


#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	150.4
176	70.5	0.0	146.0

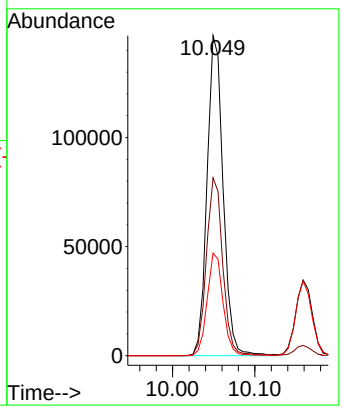




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 19877

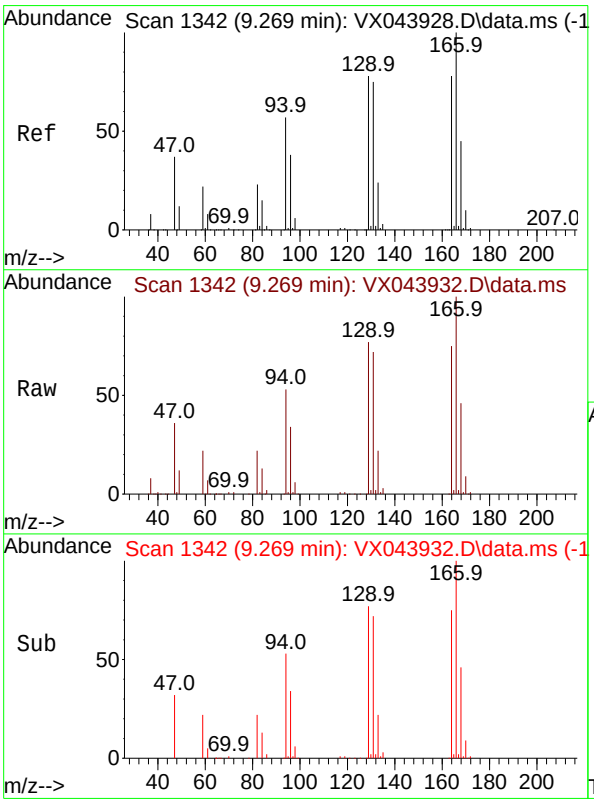
Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.4	69.6
119	32.1	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

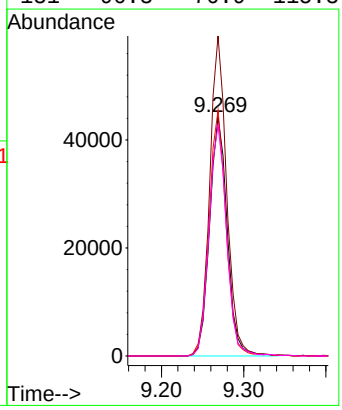
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

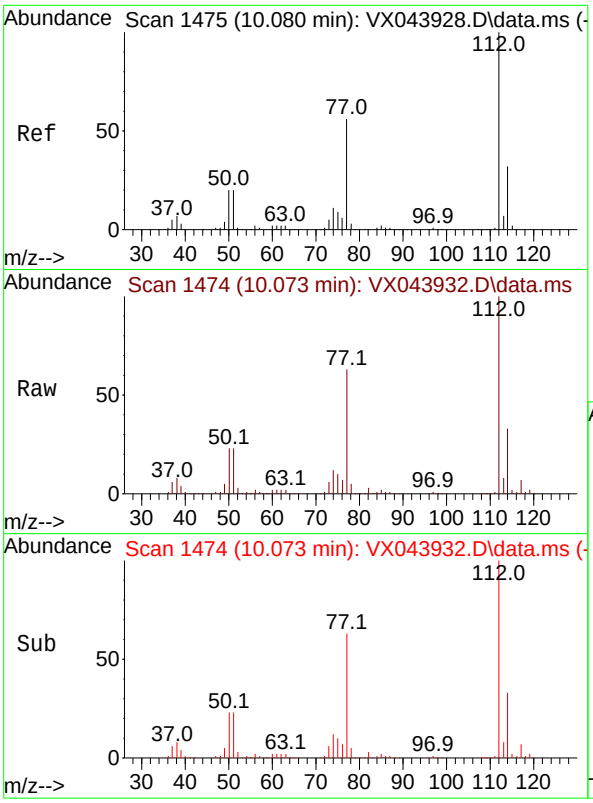


#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

Ion	Ratio	Lower	Upper
164	100		
166	133.9	102.1	153.1
129	102.7	79.6	119.4
131	96.3	76.9	115.3

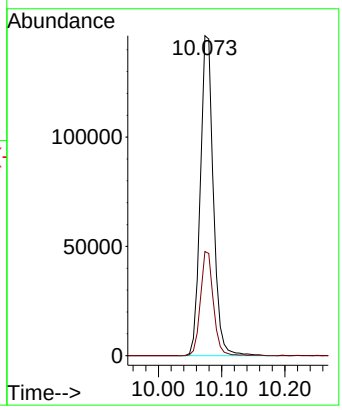




#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:112 Resp: 20996

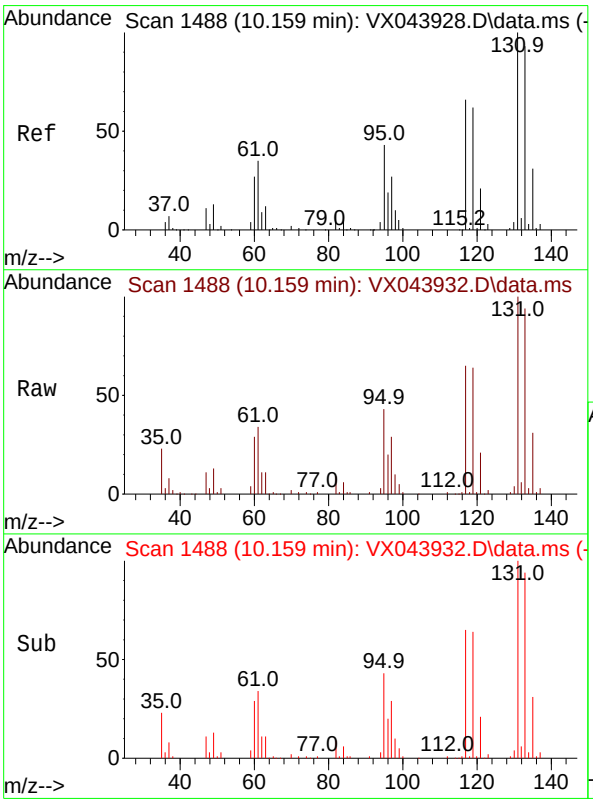
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

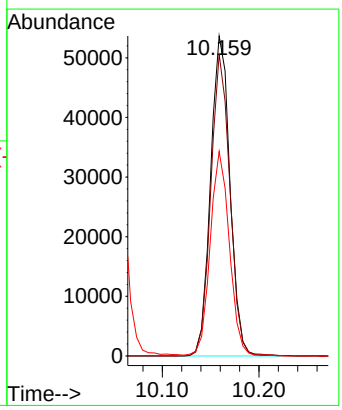
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

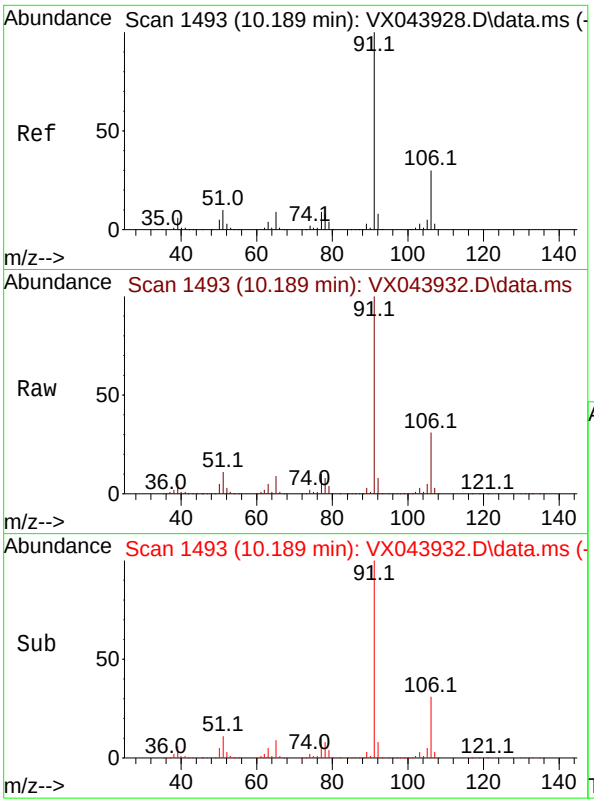


#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.2	144.6
119	63.5	31.5	94.5





#67
Ethyl Benzene
Concen: 50.991 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

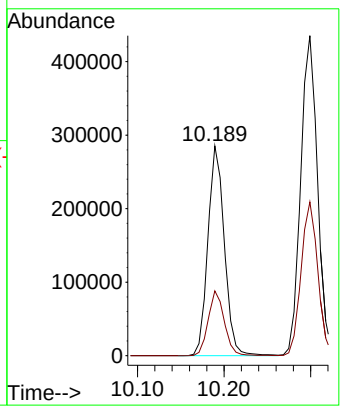
Tgt Ion: 91 Resp: 37721

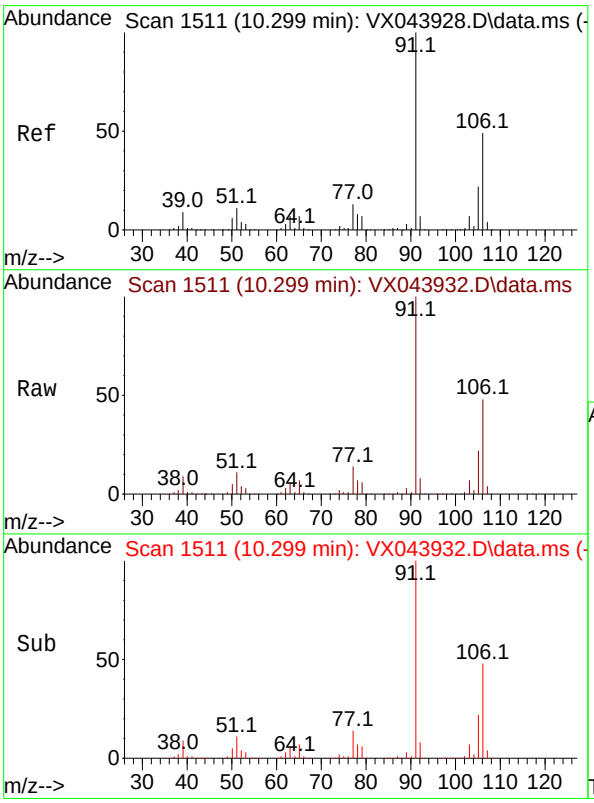
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

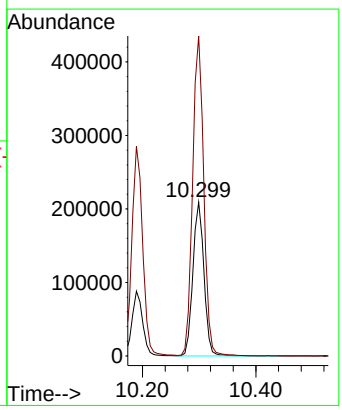


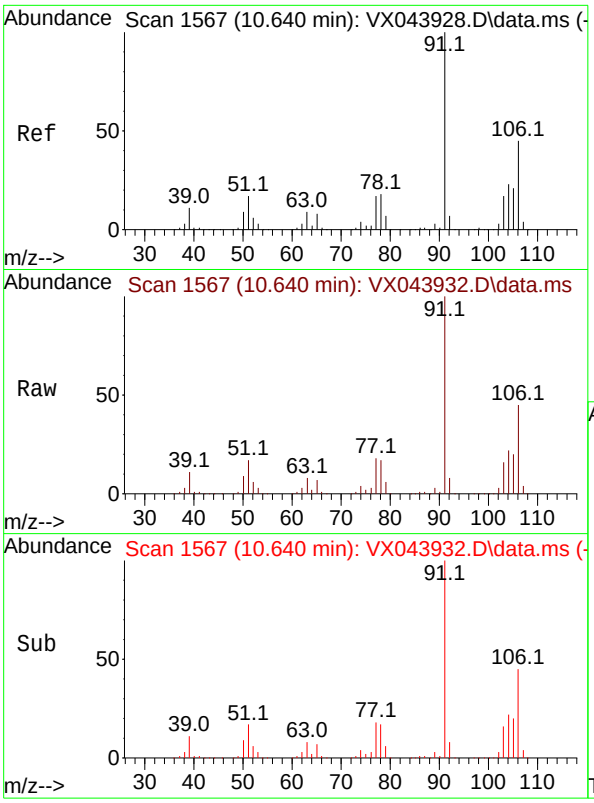


#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	168.1	252.1

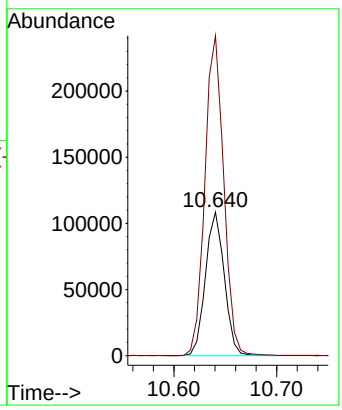




#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 13843

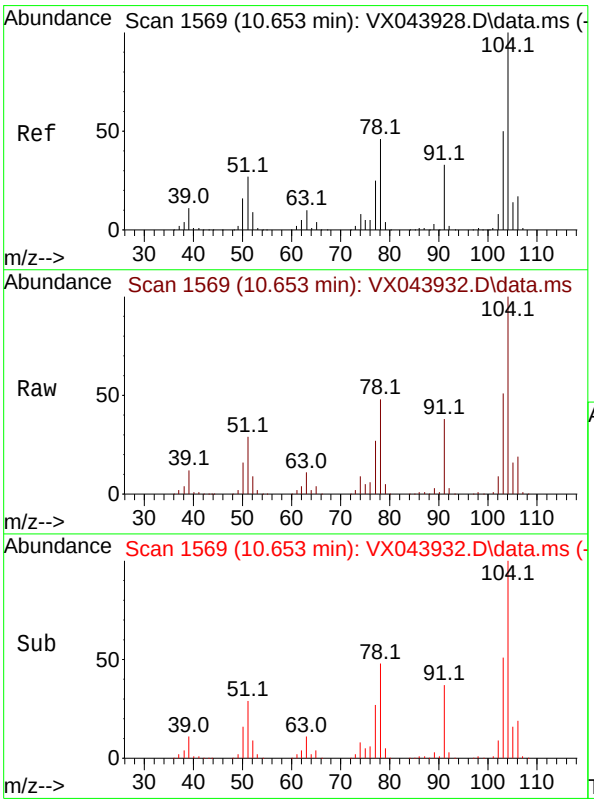
Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

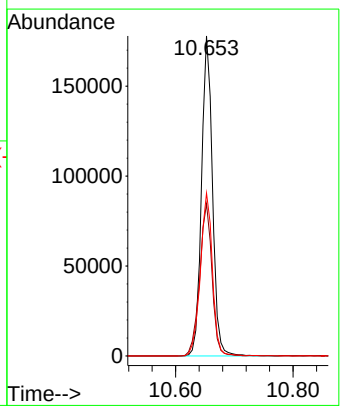
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

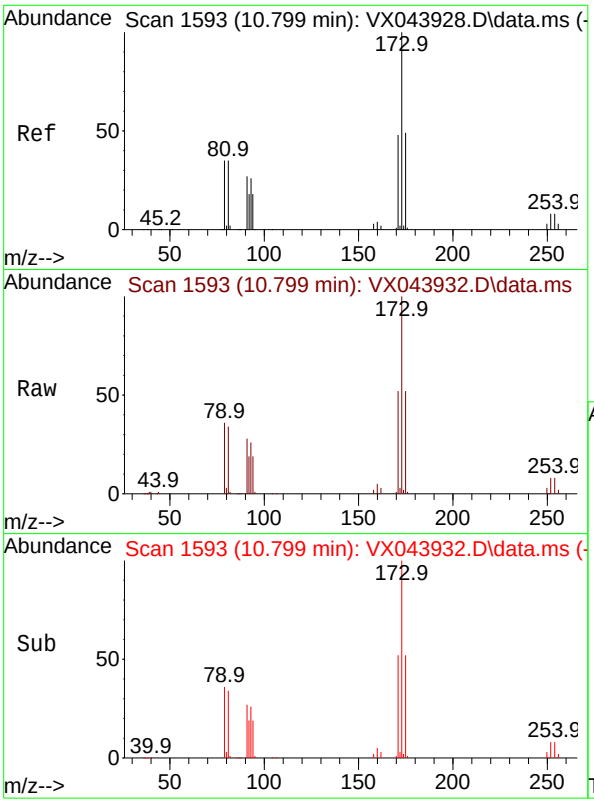


#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	56.0	44.7	67.1

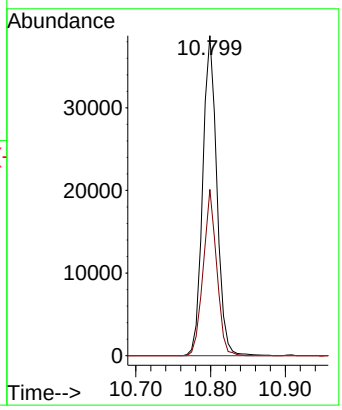




#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:173 Resp: 5083

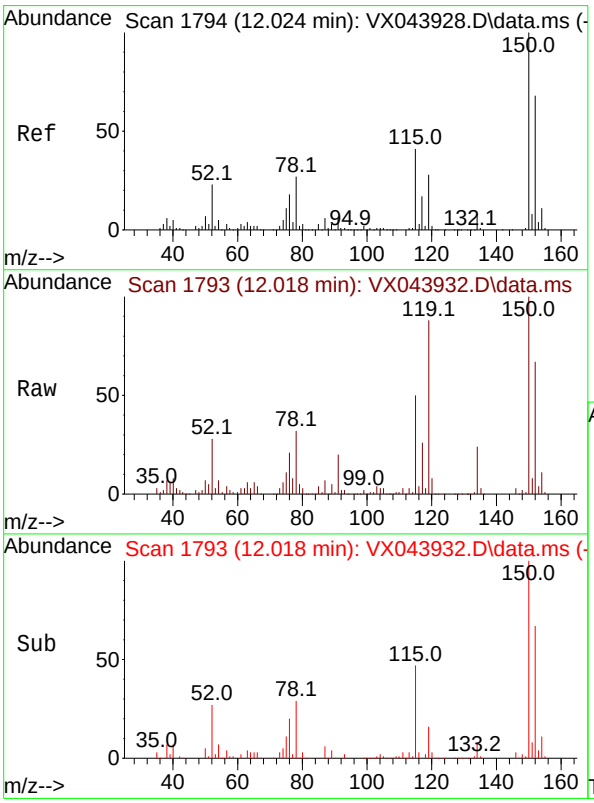
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

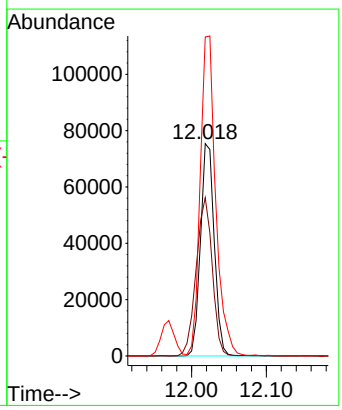
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

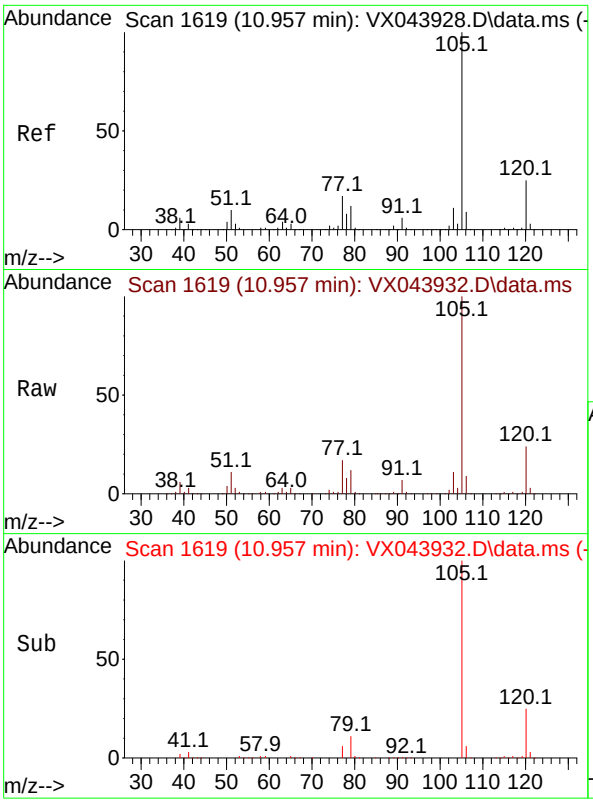


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

Ion	Ratio	Lower	Upper
152	100		
115	87.3	45.4	136.2
150	169.5	0.0	353.0

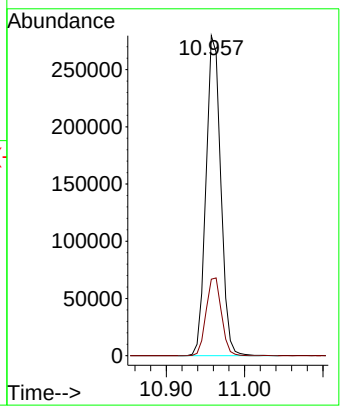




#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 36508

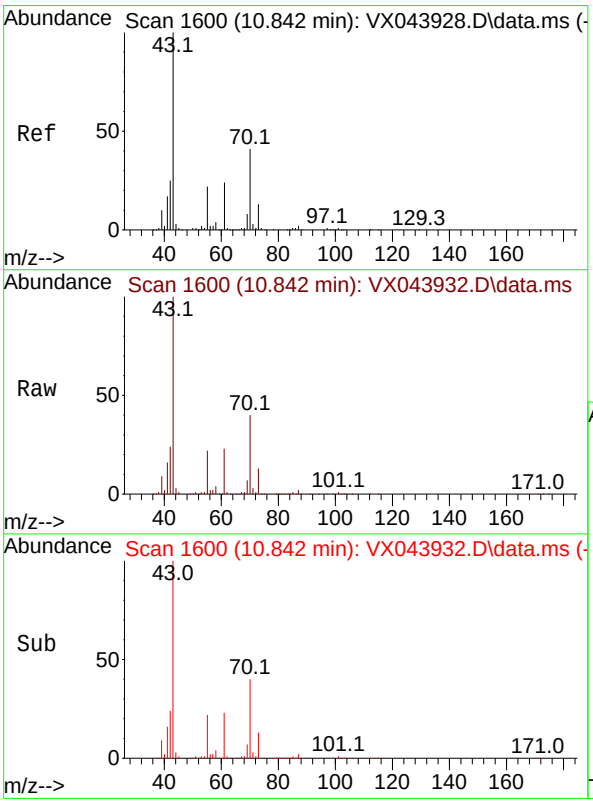
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

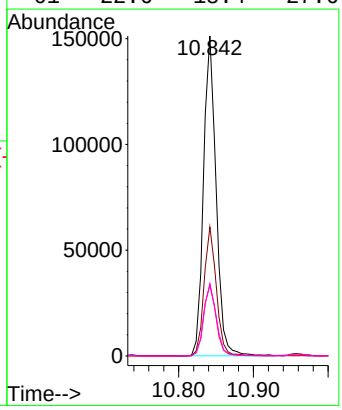
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

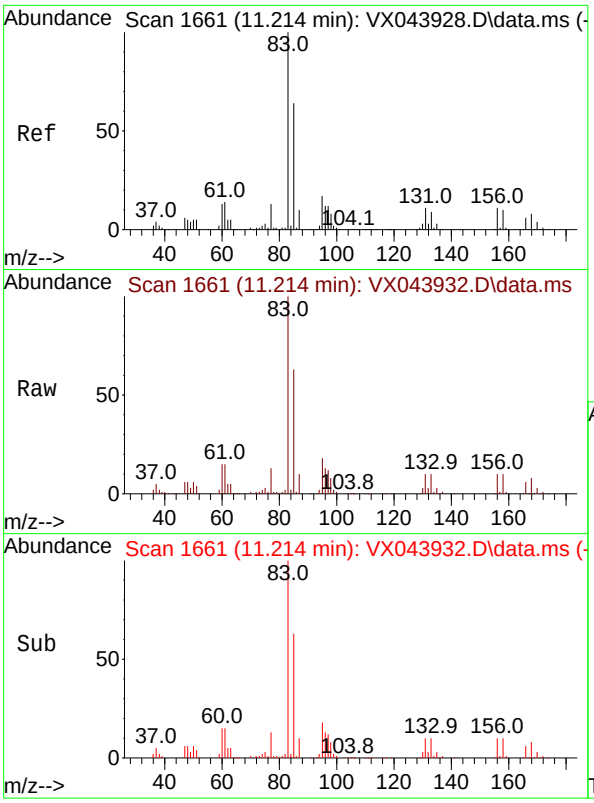


#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.4	18.1	27.1
61	22.6	18.4	27.6

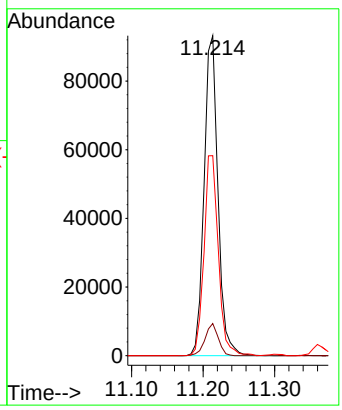




#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 12534

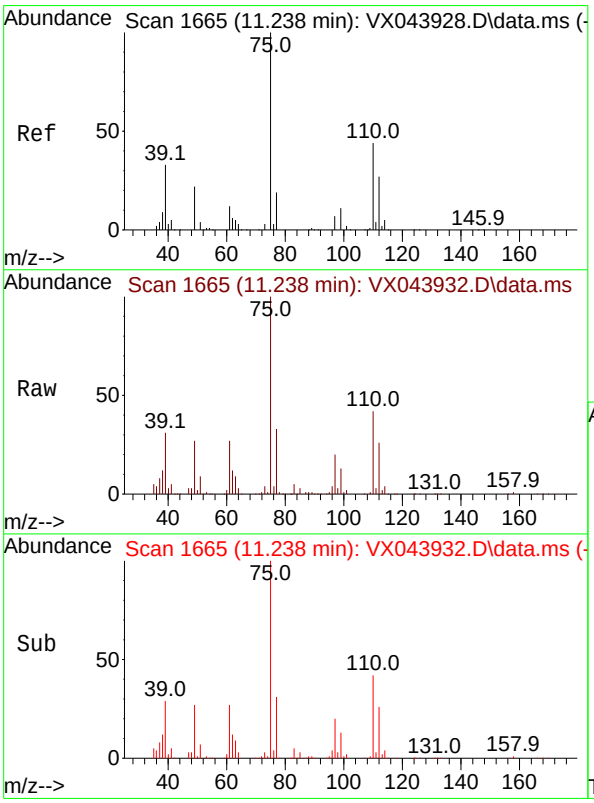
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.2
85	64.9	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

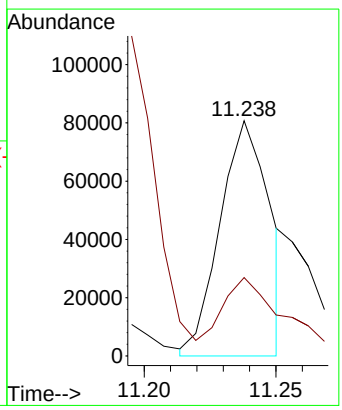
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

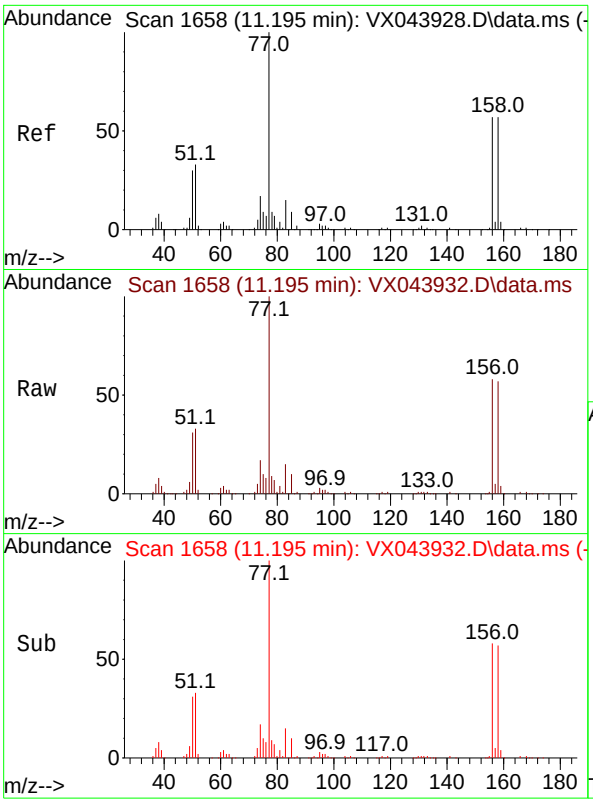


#76
1,2,3-Trichloropropane
Concen: 49.973 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 105742

Ion	Ratio	Lower	Upper
75	100		
77	42.7	21.8	65.3

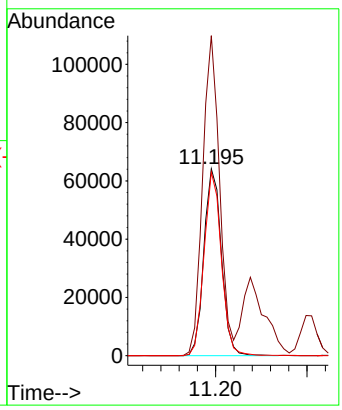




#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:156 Resp: 8507(

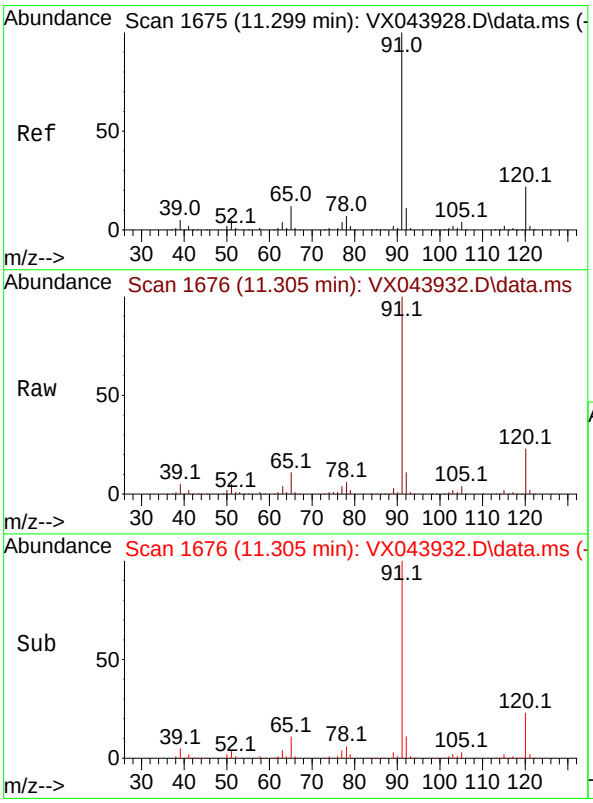
Ion	Ratio	Lower	Upper
156	100		
77	165.4	83.4	250.1
158	96.9	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

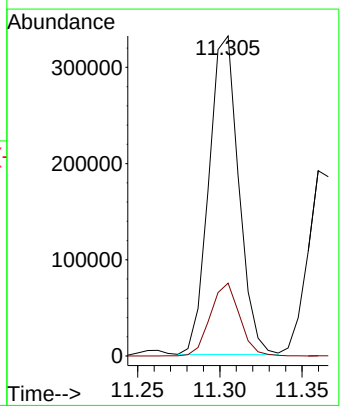
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

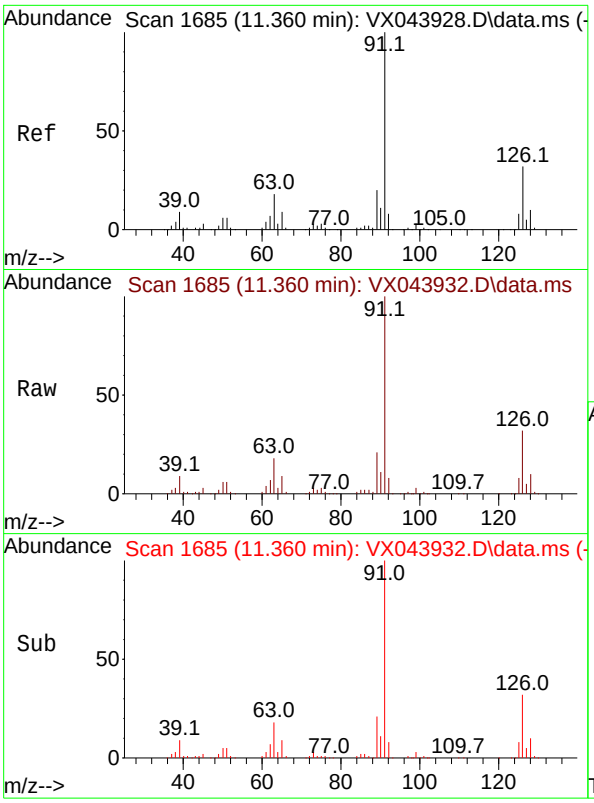


#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4

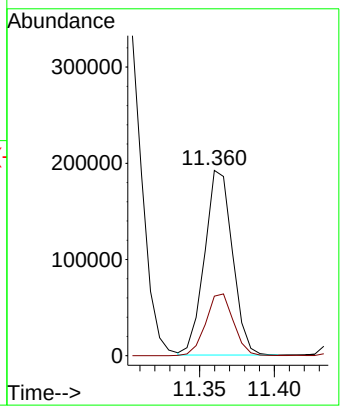




#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 24907

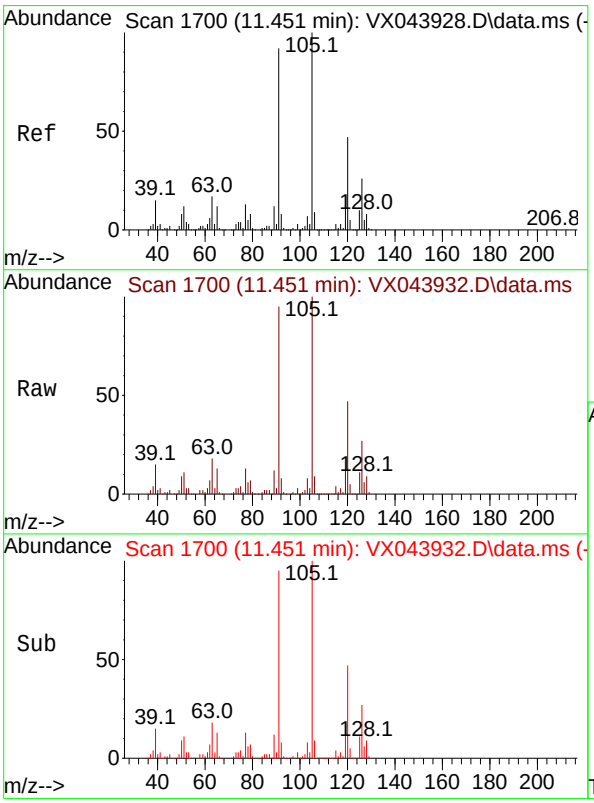
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

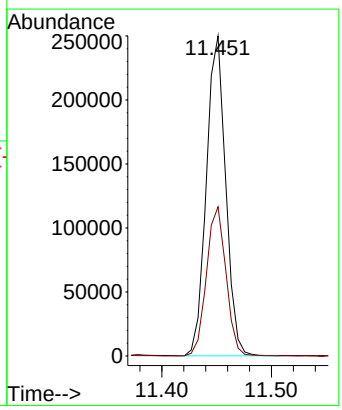
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

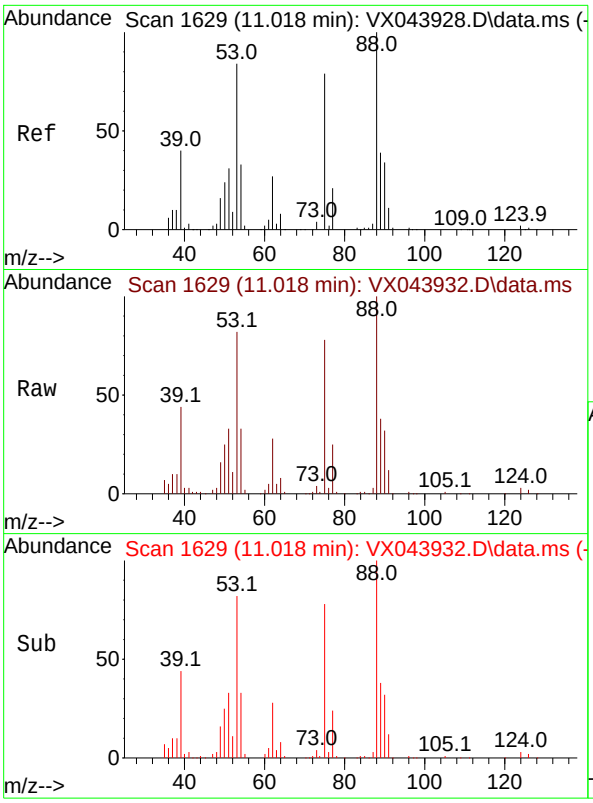


#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

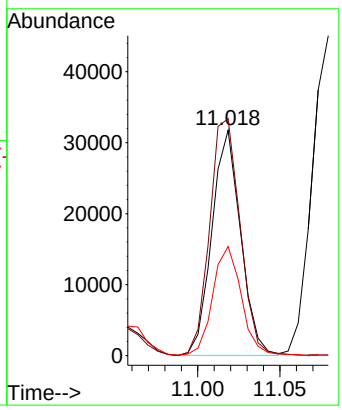
Tgt Ion: 75 Resp: 3858

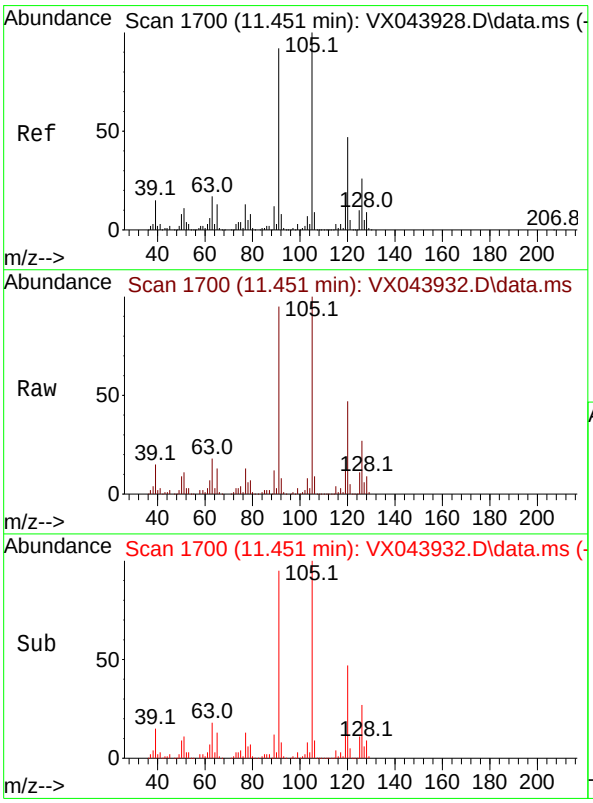
Ion	Ratio	Lower	Upper
75	100		
53	111.7	86.7	130.1
89	48.1	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

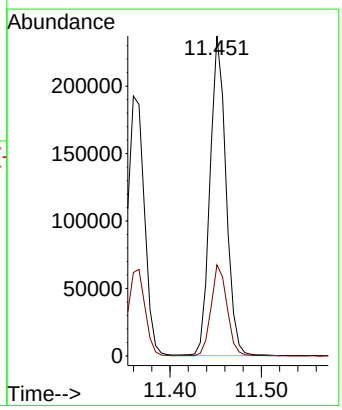


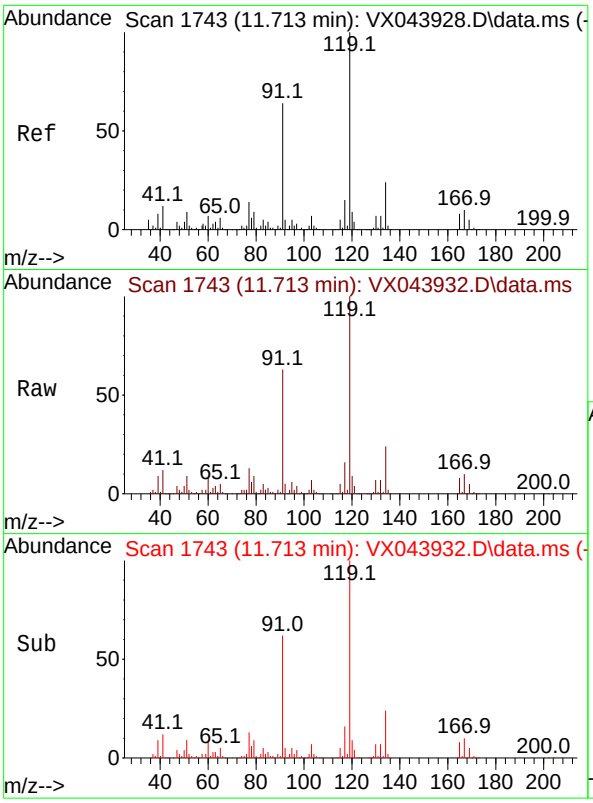


#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9

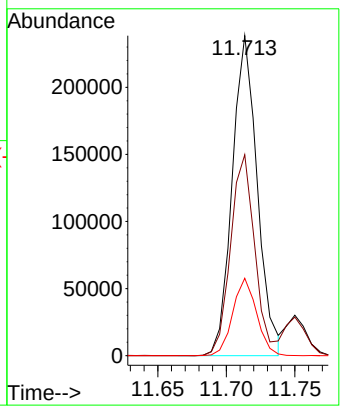




#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 30340

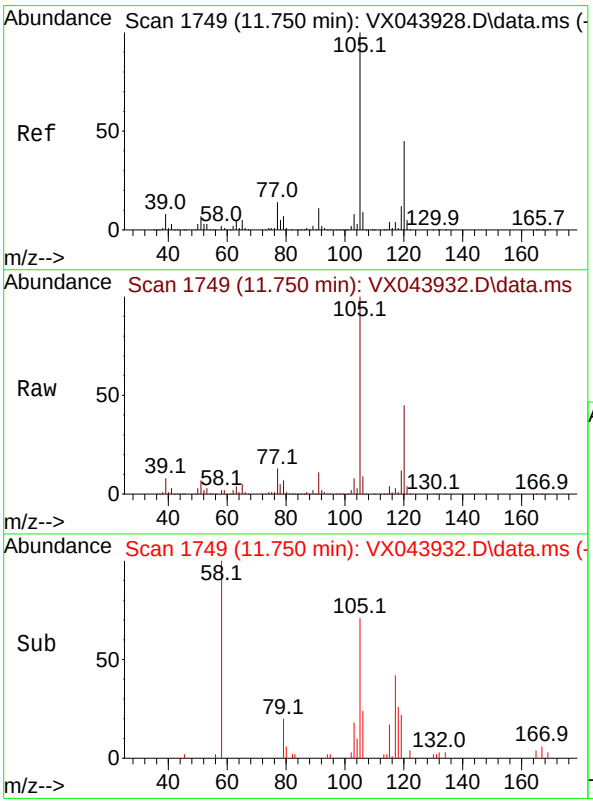
Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.0	93.0
134	23.1	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

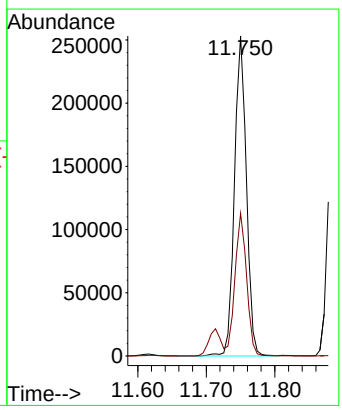
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

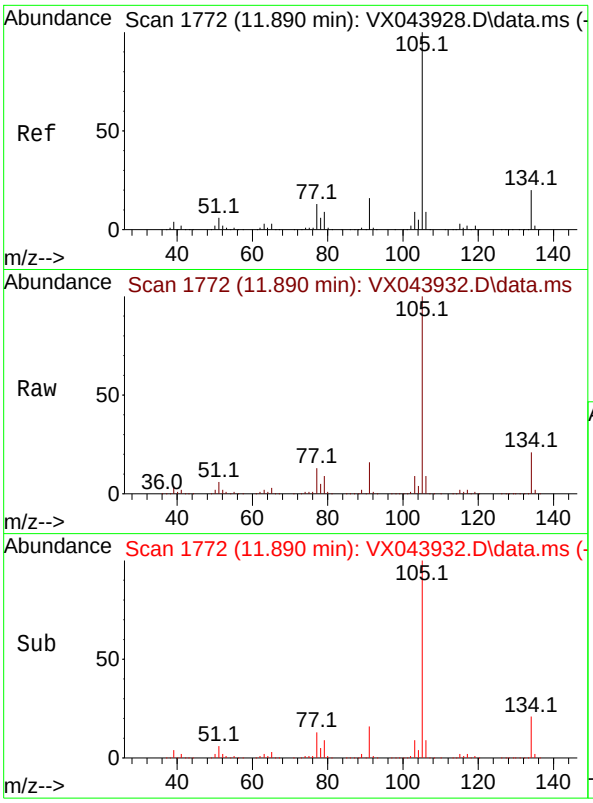


#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7

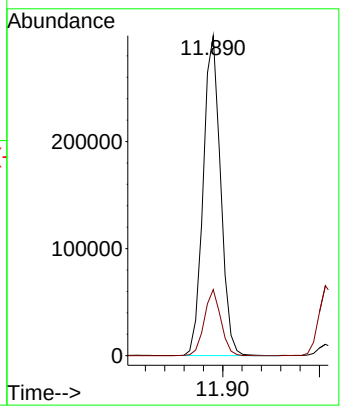




#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 37279

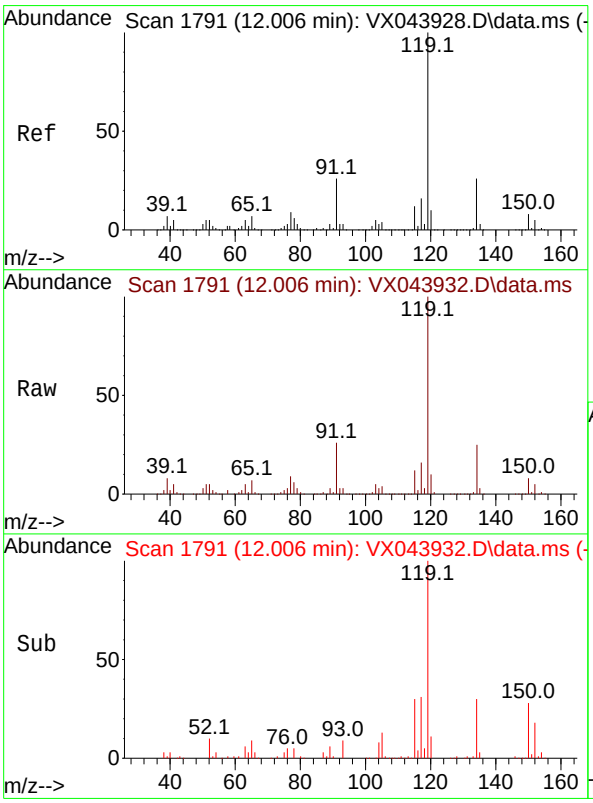
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

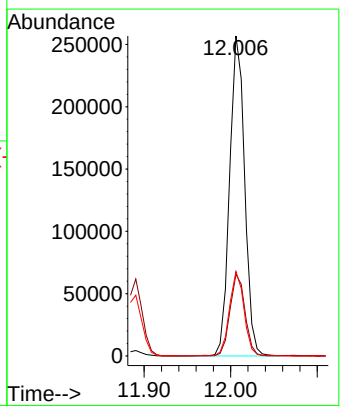
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

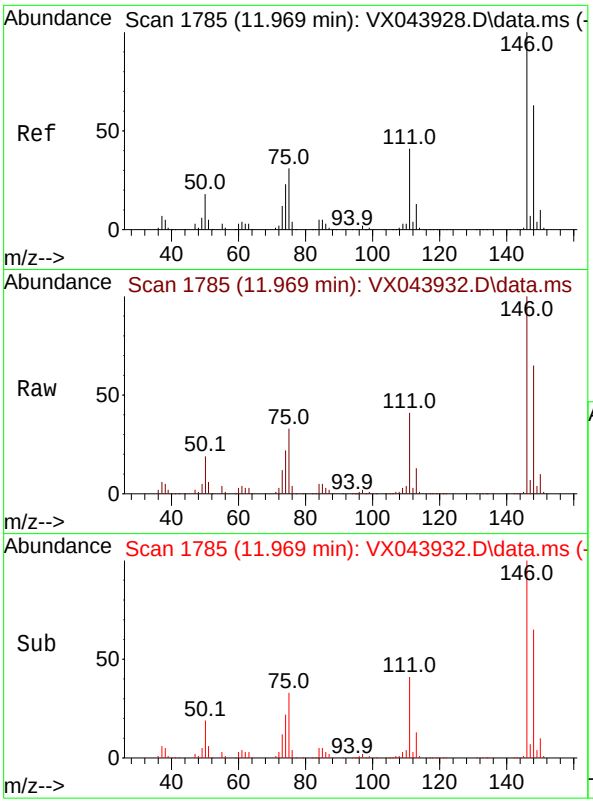


#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.7	13.0	38.9

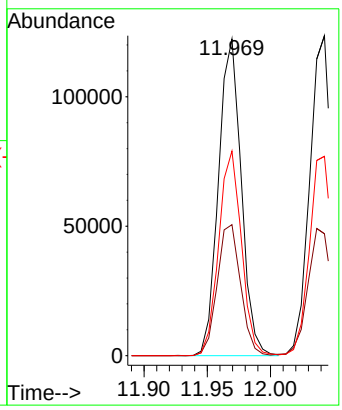




#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 15316

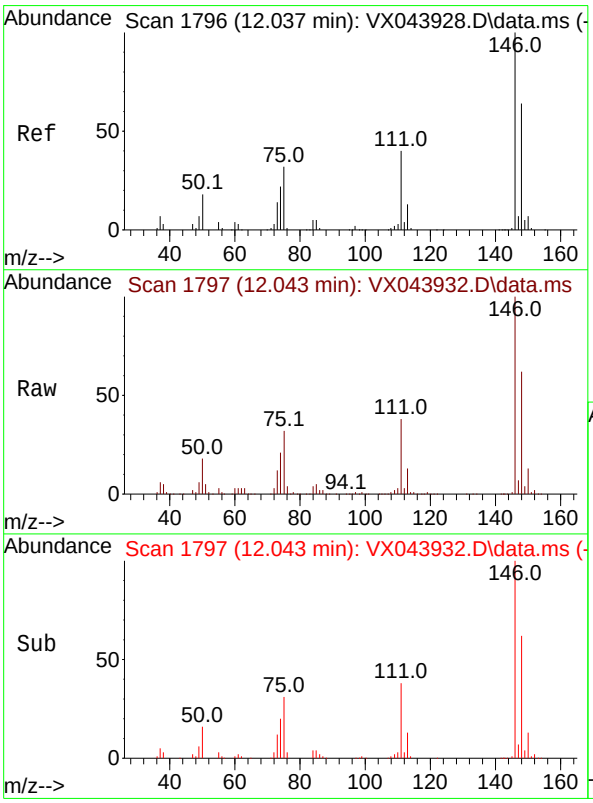
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	64.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

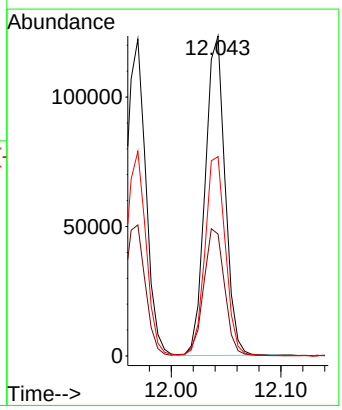
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

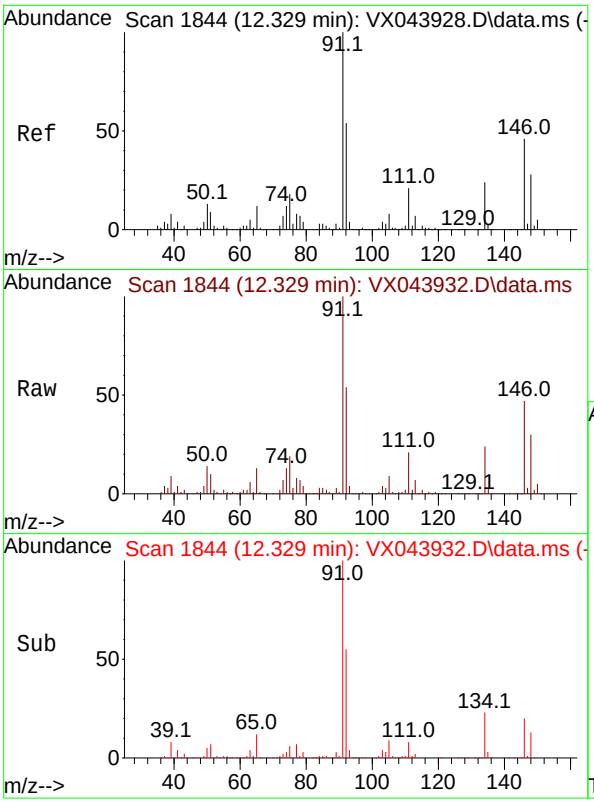


#88
1,4-Dichlorobenzene
Concen: 47.306 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.3
148	64.7	30.9	92.8

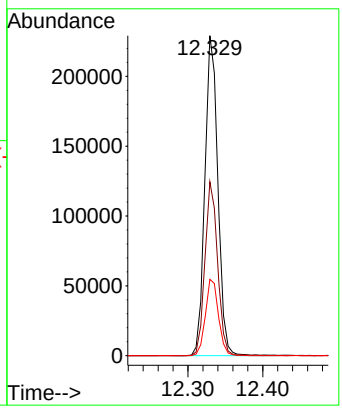




#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 27607

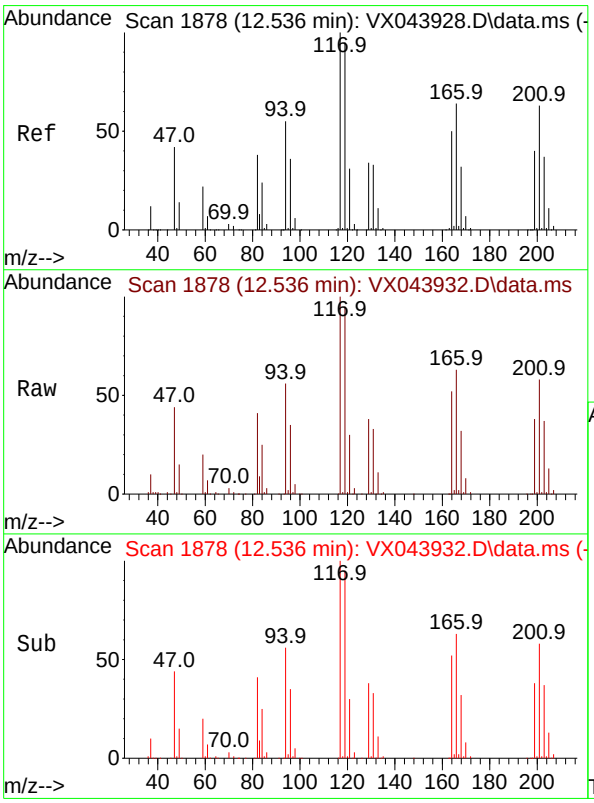
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	24.0	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

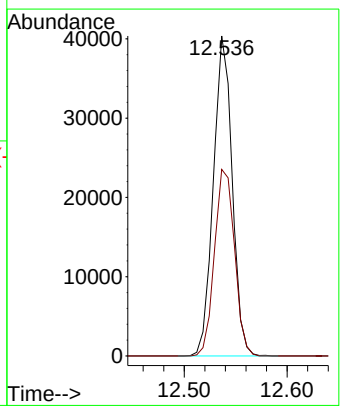
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

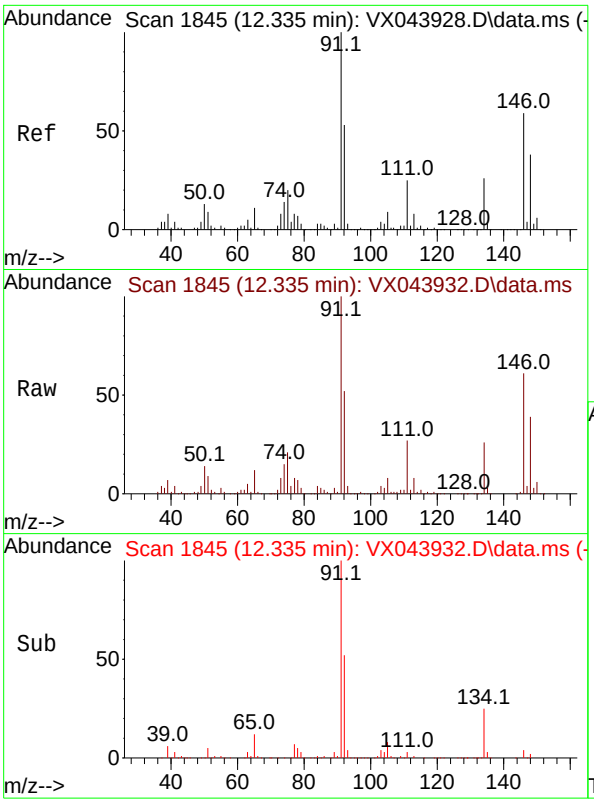


#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

Ion	Ratio	Lower	Upper
117	100		
201	62.2	32.4	97.0

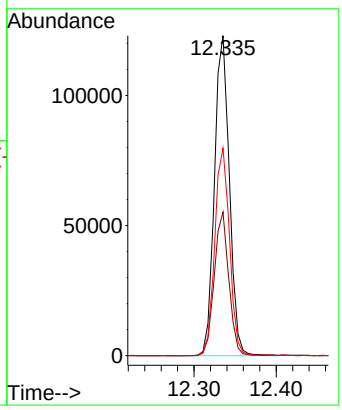




#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 15498

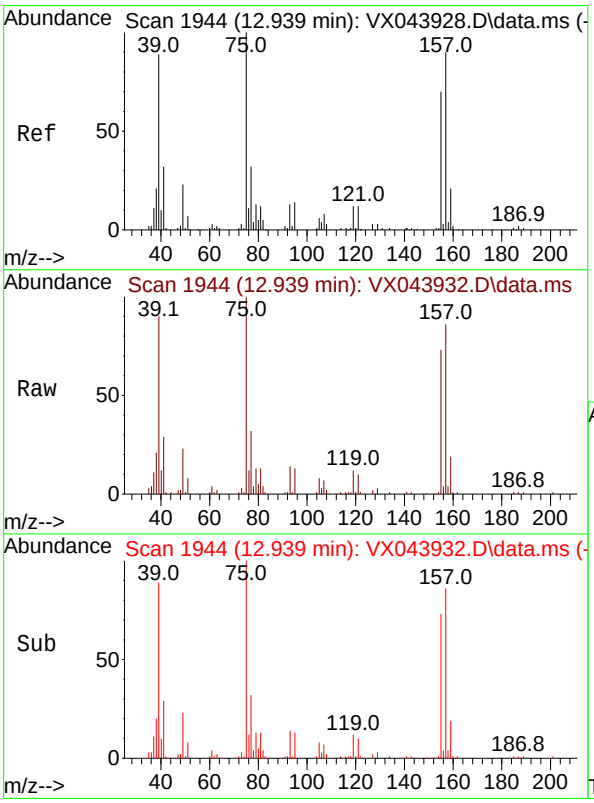
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.5	64.5
148	64.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations APPROVED

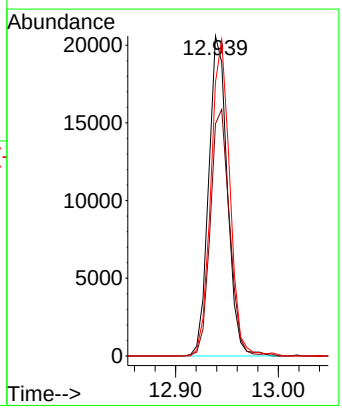
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

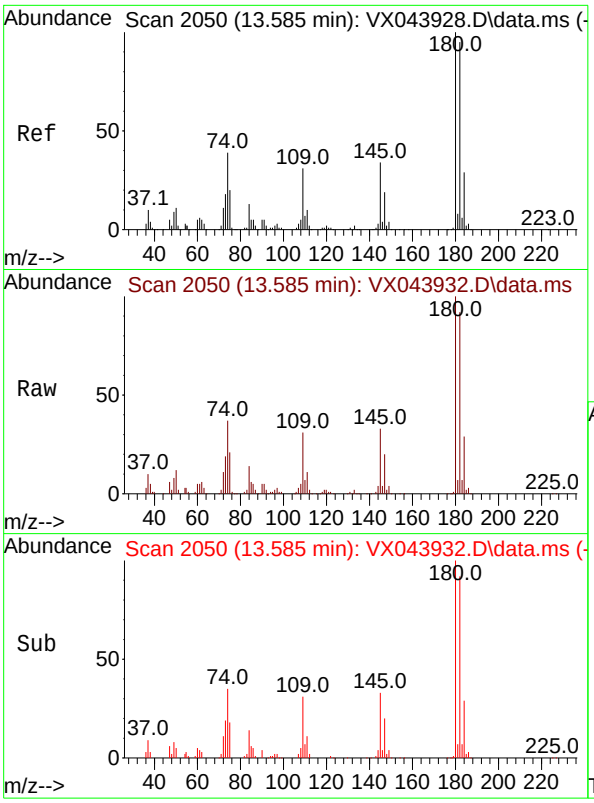


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.1	120.2
157	99.8	49.6	149.0

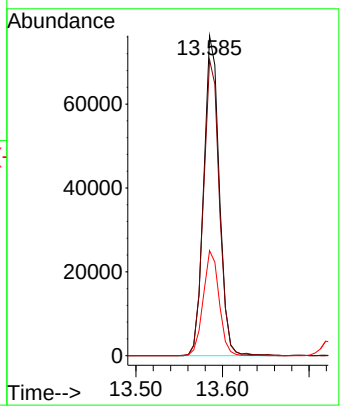




#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 9489

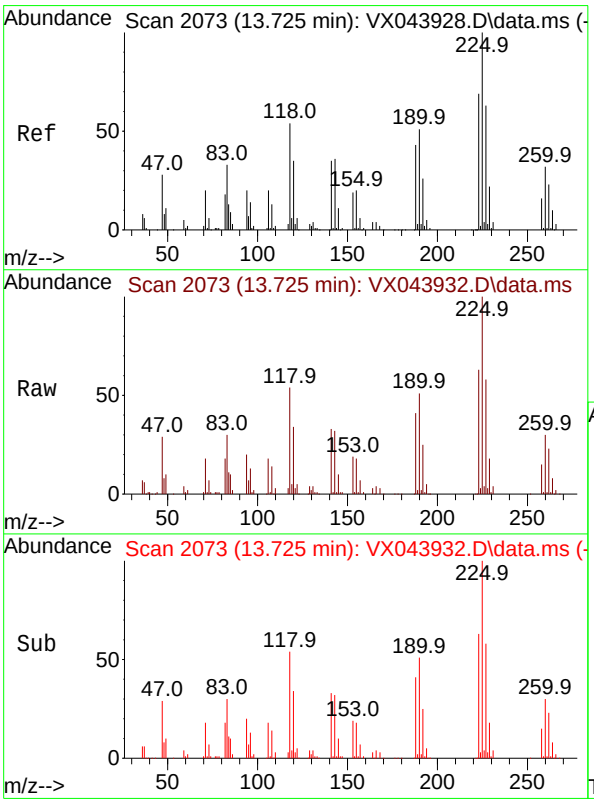
Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	33.6	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

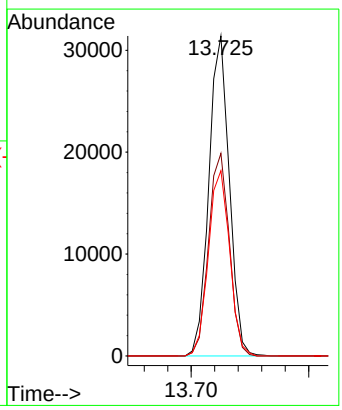
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

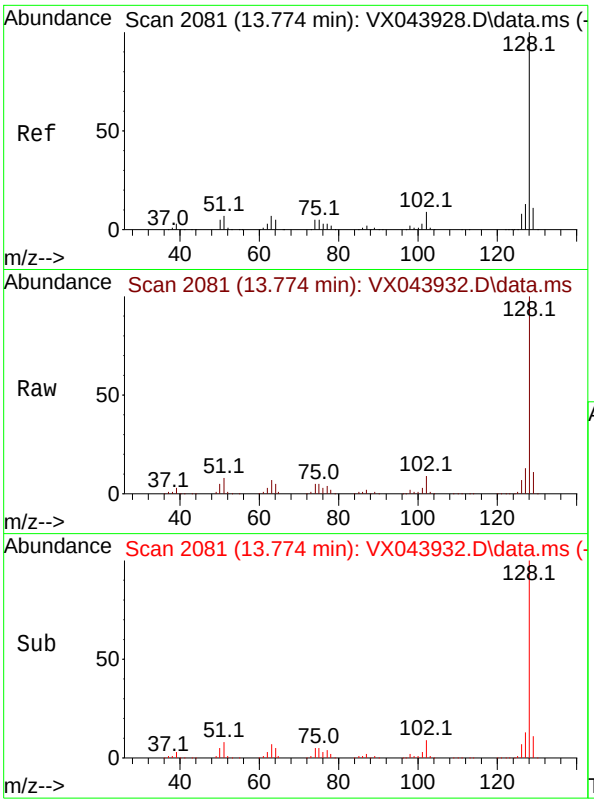


#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	60.3	31.6	94.8

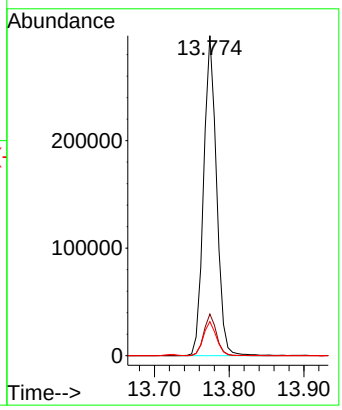




#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:128 Resp: 35772

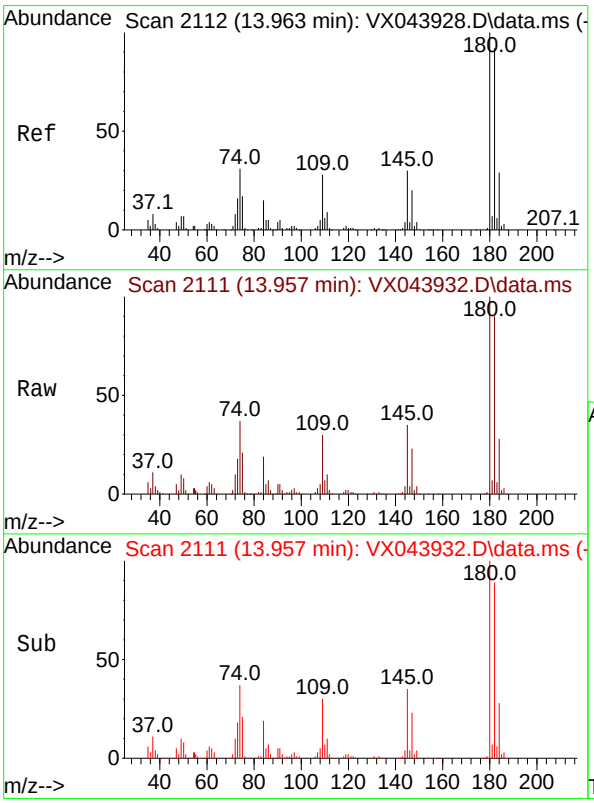
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

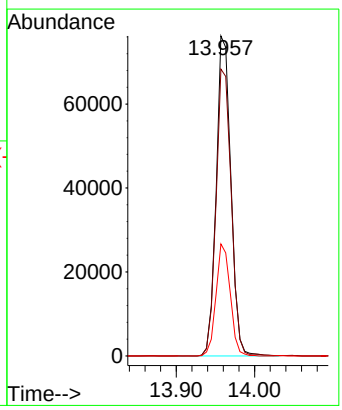
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 99447

Ion	Ratio	Lower	Upper
180	100		
182	92.9	45.6	136.8
145	33.9	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.633	0.640	-1.1	89	0.00
3	P	Chloromethane	0.667	0.655	1.8	89	0.00
4	C	Vinyl Chloride	0.709	0.711	-0.3#	88	0.00
5	T	Bromomethane	0.436	0.410	6.0	87	0.00
6	T	Chloroethane	0.432	0.354	18.1	73	0.00
7	T	Trichlorofluoromethane	1.268	1.354	-6.8	94	0.00
8	T	Diethyl Ether	0.462	0.437	5.4	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.614	-1.5	88	0.00
10	T	Methyl Iodide	0.755	0.734	2.8	86	0.00
11	T	Tert butyl alcohol	0.138	0.131	5.1	86	0.00
12	CM	1,1-Dichloroethene	0.576	0.555	3.6#	88	0.00
13	T	Acrolein	0.145	0.137	5.5	89	0.00
14	T	Allyl chloride	0.941	0.972	-3.3	88	0.00
15	T	Acrylonitrile	0.335	0.348	-3.9	89	0.00
16	T	Acetone	0.394	0.393	0.3	88	0.00
17	T	Carbon Disulfide	1.188	1.174	1.2	86	0.00
18	T	Methyl Acetate	0.917	0.929	-1.3	89	0.00
19	T	Methyl tert-butyl Ether	2.092	2.100	-0.4	88	0.00
20	T	Methylene Chloride	0.668	0.628	6.0	89	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.585	1.7	87	0.00
22	T	Diisopropyl ether	2.013	2.018	-0.2	88	0.00
23	T	Vinyl Acetate	1.722	1.815	-5.4	88	0.00
24	P	1,1-Dichloroethane	1.161	1.172	-0.9	88	0.00
25	T	2-Butanone	0.508	0.532	-4.7	89	0.00
26	T	2,2-Dichloropropane	1.049	1.098	-4.7	91	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.725	1.4	87	0.00
28	T	Bromochloromethane	0.511	0.480	6.1	101	0.00
29	T	Tetrahydrofuran	0.312	0.317	-1.6	89	0.00
30	C	Chloroform	1.249	1.246	0.2#	90	0.00
31	T	Cyclohexane	0.956	0.980	-2.5	89	0.00
32	T	1,1,1-Trichloroethane	1.077	1.106	-2.7	88	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.861	-0.3	108	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.357	0.375	-5.0	109	0.00
36	T	1,1-Dichloropropene	0.445	0.474	-6.5	91	0.00
37	T	Ethyl Acetate	0.553	0.582	-5.2	90	0.00
38	T	Carbon Tetrachloride	0.500	0.518	-3.6	88	0.00
39	T	Methylcyclohexane	0.578	0.619	-7.1	89	0.00
40	TM	Benzene	1.387	1.394	-0.5	88	0.00
41	T	Methacrylonitrile	0.283	0.305	-7.8	88	0.00
42	TM	1,2-Dichloroethane	0.557	0.562	-0.9	88	0.00
43	T	Isopropyl Acetate	0.880	0.905	-2.8	88	0.00
44	TM	Trichloroethene	0.393	0.350	10.9	89	0.00
45	C	1,2-Dichloropropane	0.340	0.325	4.4#	83	0.00
46	T	Dibromomethane	0.269	0.272	-1.1	88	0.00
47	T	Bromodichloromethane	0.482	0.507	-5.2	88	0.00
48	T	Methyl methacrylate	0.422	0.441	-4.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	79	0.00
50	S	Toluene-d8	1.232	1.262	-2.4	108	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.570	-6.1	89	0.00
52	CM	Toluene	0.830	0.855	-3.0#	88	0.00
53	T	t-1,3-Dichloropropene	0.491	0.522	-6.3	87	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.562	-4.3	87	0.00
55	T	1,1,2-Trichloroethane	0.343	0.343	0.0	88	0.00
56	T	Ethyl methacrylate	0.534	0.567	-6.2	88	0.00
57	T	1,3-Dichloropropane	0.577	0.588	-1.9	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.275	-0.7	85	0.00
59	T	2-Hexanone	0.403	0.441	-9.4	89	0.00
60	T	Dibromochloromethane	0.344	0.361	-4.9	87	0.00
61	T	1,2-Dibromoethane	0.346	0.363	-4.9	89	0.00
62	S	4-Bromofluorobenzene	0.419	0.453	-8.1	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.330	0.332	-0.6	89	0.00
65	PM	Chlorobenzene	1.098	1.056	3.8	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.374	-5.1	89	0.00
67	C	Ethyl Benzene	1.861	1.898	-2.0#	88	0.00
68	T	m/p-Xylenes	0.694	0.712	-2.6	87	0.00
69	T	o-Xylene	0.678	0.696	-2.7	86	0.00
70	T	Styrene	1.121	1.159	-3.4	86	0.00
71	P	Bromoform	0.240	0.256	-6.7	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.843	3.784	1.5	89	0.00
74	T	N-amyl acetate	1.780	1.831	-2.9	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.299	1.3	90	0.00
76	T	1,2,3-Trichloropropane	1.096	1.096	0.0	89	0.00
77	T	Bromobenzene	0.917	0.882	3.8	87	0.00
78	T	n-propylbenzene	4.293	4.349	-1.3	88	0.00
79	T	2-Chlorotoluene	2.714	2.581	4.9	87	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.171	-0.3	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.400	0.5	87	0.00
82	T	4-Chlorotoluene	3.064	2.982	2.7	86	0.00
83	T	tert-Butylbenzene	3.134	3.144	-0.3	88	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.174	-0.8	89	0.00
85	T	sec-Butylbenzene	3.840	3.864	-0.6	87	0.00
86	T	p-Isopropyltoluene	3.119	3.213	-3.0	88	0.00
87	T	1,3-Dichlorobenzene	1.670	1.587	5.0	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.611	5.3	87	0.00
89	T	n-Butylbenzene	2.750	2.861	-4.0	86	0.00
90	T	Hexachloroethane	0.530	0.531	-0.2	87	0.00
91	T	1,2-Dichlorobenzene	1.685	1.606	4.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.269	-1.9	91	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.983	1.1	87	0.00
94	T	Hexachlorobutadiene	0.393	0.393	0.0	92	0.00
95	T	Naphthalene	3.576	3.707	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.031	-2.5	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	50.537	-1.1	89	0.00
3	P	Chloromethane	50.000	49.100	1.8	89	0.00
4	C	Vinyl Chloride	50.000	50.118	-0.2#	88	0.00
5	T	Bromomethane	50.000	47.040	5.9	87	0.00
6	T	Chloroethane	50.000	40.921	18.2	73	0.00
7	T	Trichlorofluoromethane	50.000	53.407	-6.8	94	0.00
8	T	Diethyl Ether	50.000	47.345	5.3	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.762	-1.5	88	0.00
10	T	Methyl Iodide	50.000	48.614	2.8	86	0.00
11	T	Tert butyl alcohol	250.000	238.127	4.7	86	0.00
12	CM	1,1-Dichloroethene	50.000	48.192	3.6#	88	0.00
13	T	Acrolein	250.000	235.500	5.8	89	0.00
14	T	Allyl chloride	50.000	51.610	-3.2	88	0.00
15	T	Acrylonitrile	250.000	259.090	-3.6	89	0.00
16	T	Acetone	250.000	249.676	0.1	88	0.00
17	T	Carbon Disulfide	50.000	49.375	1.3	86	0.00
18	T	Methyl Acetate	50.000	50.643	-1.3	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.186	-0.4	88	0.00
20	T	Methylene Chloride	50.000	46.954	6.1	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.179	1.6	87	0.00
22	T	Diisopropyl ether	50.000	50.132	-0.3	88	0.00
23	T	Vinyl Acetate	250.000	263.441	-5.4	88	0.00
24	P	1,1-Dichloroethane	50.000	50.466	-0.9	88	0.00
25	T	2-Butanone	250.000	261.804	-4.7	89	0.00
26	T	2,2-Dichloropropane	50.000	52.343	-4.7	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.326	1.3	87	0.00
28	T	Bromochloromethane	50.000	46.920	6.2	101	0.00
29	T	Tetrahydrofuran	250.000	254.585	-1.8	89	0.00
30	C	Chloroform	50.000	49.891	0.2#	90	0.00
31	T	Cyclohexane	50.000	51.278	-2.6	89	0.00
32	T	1,1,1-Trichloroethane	50.000	51.320	-2.6	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.183	-0.4	108	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	52.442	-4.9	109	0.00
36	T	1,1-Dichloropropene	50.000	53.218	-6.4	91	0.00
37	T	Ethyl Acetate	50.000	52.656	-5.3	90	0.00
38	T	Carbon Tetrachloride	50.000	51.786	-3.6	88	0.00
39	T	Methylcyclohexane	50.000	53.489	-7.0	89	0.00
40	TM	Benzene	50.000	50.257	-0.5	88	0.00
41	T	Methacrylonitrile	50.000	53.851	-7.7	88	0.00
42	TM	1,2-Dichloroethane	50.000	50.421	-0.8	88	0.00
43	T	Isopropyl Acetate	50.000	51.469	-2.9	88	0.00
44	TM	Trichloroethene	50.000	44.554	10.9	89	0.00
45	C	1,2-Dichloropropane	50.000	47.811	4.4#	83	0.00
46	T	Dibromomethane	50.000	50.662	-1.3	88	0.00
47	T	Bromodichloromethane	50.000	52.648	-5.3	88	0.00
48	T	Methyl methacrylate	50.000	52.284	-4.6	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	905.506	9.4	79	0.00
50	S	Toluene-d8	50.000	51.234	-2.5	108	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.520	-6.2	89	0.00
52	CM	Toluene	50.000	51.507	-3.0#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	53.077	-6.2	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.205	-4.4	87	0.00
55	T	1,1,2-Trichloroethane	50.000	50.069	-0.1	88	0.00
56	T	Ethyl methacrylate	50.000	53.118	-6.2	88	0.00
57	T	1,3-Dichloropropane	50.000	50.945	-1.9	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	235.230	5.9	85	0.00
59	T	2-Hexanone	250.000	273.011	-9.2	89	0.00
60	T	Dibromochloromethane	50.000	52.557	-5.1	87	0.00
61	T	1,2-Dibromoethane	50.000	52.367	-4.7	89	0.00
62	S	4-Bromofluorobenzene	50.000	53.987	-8.0	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	50.396	-0.8	89	0.00
65	PM	Chlorobenzene	50.000	48.094	3.8	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.515	-5.0	89	0.00
67	C	Ethyl Benzene	50.000	50.991	-2.0#	88	0.00
68	T	m/p-Xylenes	100.000	102.572	-2.6	87	0.00
69	T	o-Xylene	50.000	51.396	-2.8	86	0.00
70	T	Styrene	50.000	51.728	-3.5	86	0.00
71	P	Bromoform	50.000	47.449	5.1	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.222	1.6	89	0.00
74	T	N-amyl acetate	50.000	51.406	-2.8	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.356	1.3	90	0.00
76	T	1,2,3-Trichloropropane	50.000	49.973	0.1	89	0.00
77	T	Bromobenzene	50.000	48.081	3.8	87	0.00
78	T	n-propylbenzene	50.000	50.652	-1.3	88	0.00
79	T	2-Chlorotoluene	50.000	47.551	4.9	87	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.756	0.5	87	0.00
82	T	4-Chlorotoluene	50.000	48.652	2.7	86	0.00
83	T	tert-Butylbenzene	50.000	50.165	-0.3	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.410	-0.8	89	0.00
85	T	sec-Butylbenzene	50.000	50.307	-0.6	87	0.00
86	T	p-Isopropyltoluene	50.000	51.511	-3.0	88	0.00
87	T	1,3-Dichlorobenzene	50.000	47.529	4.9	87	0.00
88	T	1,4-Dichlorobenzene	50.000	47.306	5.4	87	0.00
89	T	n-Butylbenzene	50.000	52.020	-4.0	86	0.00
90	T	Hexachloroethane	50.000	50.050	-0.1	87	0.00
91	T	1,2-Dichlorobenzene	50.000	47.656	4.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.030	-2.1	91	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.495	1.0	87	0.00
94	T	Hexachlorobutadiene	50.000	50.065	-0.1	92	0.00
95	T	Naphthalene	50.000	51.831	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.246	-2.5	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.699		10.43	20
Chloromethane	0.667	0.733	0.1	9.9	20
Vinyl Chloride	0.709	0.742		4.65	20
Bromomethane	0.436	0.458		5.05	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.478		16.56	20
1,1,2-Trichlorotrifluoroethane	0.605	0.652		7.77	20
1,1-Dichloroethene	0.576	0.586		1.74	20
Acetone	0.394	0.395		0.25	20
Carbon Disulfide	1.188	1.132		-4.71	20
Methyl tert-butyl Ether	2.092	2.228		6.5	20
Methyl Acetate	0.917	0.947		3.27	20
Methylene Chloride	0.668	0.684		2.39	20
trans-1,2-Dichloroethene	0.595	0.624		4.87	20
1,1-Dichloroethane	1.161	1.252	0.1	7.84	20
Cyclohexane	0.956	1.019		6.59	20
2-Butanone	0.508	0.528		3.94	20
Carbon Tetrachloride	0.500	0.540		8	20
cis-1,2-Dichloroethene	0.735	0.765		4.08	20
Bromochloromethane	0.511	0.493		-3.52	20
Chloroform	1.249	1.325		6.09	20
1,1,1-Trichloroethane	1.077	1.175		9.1	20
Methylcyclohexane	0.578	0.634		9.69	20
Benzene	1.387	1.498		8	20
1,2-Dichloroethane	0.557	0.607		8.98	20
Trichloroethene	0.393	0.368		-6.36	20
1,2-Dichloropropane	0.340	0.374		10	20
Bromodichloromethane	0.482	0.527		9.34	20
4-Methyl-2-Pentanone	0.537	0.578		7.64	20
Toluene	0.830	0.912		9.88	20
t-1,3-Dichloropropene	0.491	0.540		9.98	20
cis-1,3-Dichloropropene	0.539	0.582		7.98	20
1,1,2-Trichloroethane	0.343	0.359		4.66	20
2-Hexanone	0.403	0.435		7.94	20
Dibromochloromethane	0.344	0.370		7.56	20
1,2-Dibromoethane	0.346	0.374		8.09	20
Tetrachloroethene	0.330	0.358		8.48	20
Chlorobenzene	1.098	1.156	0.3	5.28	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	2.060		10.69	20
m/p-Xylenes	0.694	0.769		10.81	20
o-Xylene	0.678	0.748		10.32	20
Styrene	1.121	1.258		12.22	20
Bromoform	0.240	0.263	0.1	9.58	20
Isopropylbenzene	3.843	4.000		4.09	20
1,1,2,2-Tetrachloroethane	1.316	1.353	0.3	2.81	20
1,3-Dichlorobenzene	1.670	1.740		4.19	20
1,4-Dichlorobenzene	1.702	1.754		3.06	20
1,2-Dichlorobenzene	1.685	1.762		4.57	20
1,2-Dibromo-3-Chloropropane	0.264	0.275		4.17	20
1,2,4-Trichlorobenzene	0.994	1.078		8.45	20
1,2,3-Trichlorobenzene	1.006	1.107		10.04	20
1,2-Dichloroethane-d4	0.858	0.843		-1.75	20
Dibromofluoromethane	0.357	0.359		0.56	20
Toluene-d8	1.232	1.251		1.54	20
4-Bromofluorobenzene	0.419	0.433		3.34	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\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	119844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	210147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	100999	49.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.280%			
35) Dibromofluoromethane	5.379	113	75489	50.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.641	98	262790	50.769	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	91050	51.686	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83769	55.175	ug/l	99
3) Chloromethane	1.295	50	87811	54.963	ug/l	99
4) Vinyl Chloride	1.374	62	88877	52.301	ug/l	99
5) Bromomethane	1.593	94	54869	52.486	ug/l	98
6) Chloroethane	1.666	64	50225	48.505	ug/l	98
7) Trichlorofluoromethane	1.868	101	177113	58.296	ug/l	97
8) Diethyl Ether	2.130	74	56649	51.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	78101	53.892	ug/l	99
10) Methyl Iodide	2.441	142	94503	52.213	ug/l	98
11) Tert butyl alcohol	3.002	59	78161	236.901	ug/l	98
12) 1,1-Dichloroethene	2.307	96	70195	50.831	ug/l	93
13) Acrolein	2.233	56	87414	251.363	ug/l	96
14) Allyl chloride	2.654	41	121345	53.777	ug/l	98
15) Acrylonitrile	3.063	53	213507	265.550	ug/l	99
16) Acetone	2.386	43	236749	250.770	ug/l	97
17) Carbon Disulfide	2.502	76	135635	47.616	ug/l	98
18) Methyl Acetate	2.703	43	113509	51.629	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	267063	53.261	ug/l	100
20) Methylene Chloride	2.782	84	81941	51.146	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	74796	52.461	ug/l	98
22) Diisopropyl ether	3.758	45	257734	53.416	ug/l	95
23) Vinyl Acetate	3.715	43	1126489	272.921	ug/l	99
24) 1,1-Dichloroethane	3.599	63	150069	53.913	ug/l	99
25) 2-Butanone	4.556	43	316605	259.902	ug/l	97
26) 2,2-Dichloropropane	4.465	77	130610	51.956	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	91683	52.023	ug/l	98
28) Bromochloromethane	4.891	49	59099	48.235	ug/l	99
29) Tetrahydrofuran	5.001	42	192093	257.216	ug/l	99
30) Chloroform	5.080	83	158800	53.043	ug/l	96
31) Cyclohexane	5.458	56	122162	53.324	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	140772	54.526	ug/l	100
36) 1,1-Dichloropropene	5.684	75	103967	55.562	ug/l	98
37) Ethyl Acetate	4.715	43	121804	52.440	ug/l	99
38) Carbon Tetrachloride	5.666	117	113421	53.945	ug/l	98
39) Methylcyclohexane	7.373	83	133332	54.849	ug/l	98
40) Benzene	6.032	78	314837	54.016	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61474	51.710 ug/l	93
42) 1,2-Dichloroethane	6.074	62	127580	54.501 ug/l	100
43) Isopropyl Acetate	6.336	43	196481	53.153 ug/l	99
44) Trichloroethene	7.117	130	77355	46.882 ug/l	88
45) 1,2-Dichloropropane	7.421	63	78579	55.044 ug/l	98
46) Dibromomethane	7.574	93	60885	53.916 ug/l	100
47) Bromodichloromethane	7.818	83	110672	54.645 ug/l	99
48) Methyl methacrylate	7.690	41	93037	52.453 ug/l	99
49) 1,4-Dioxane	7.665	88	30231	956.809 ug/l	89
51) 4-Methyl-2-Pentanone	8.574	43	607788	269.433 ug/l	99
52) Toluene	8.714	92	191750	54.965 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	113533	54.971 ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	122380	54.052 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	75441	52.387 ug/l	97
56) Ethyl methacrylate	9.116	69	121914	54.352 ug/l	99
57) 1,3-Dichloropropane	9.305	76	132364	54.563 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	301050	244.819 ug/l	99
59) 2-Hexanone	9.427	43	456702	269.358 ug/l	100
60) Dibromochloromethane	9.519	129	77811	53.853 ug/l	97
61) 1,2-Dibromoethane	9.604	107	78690	54.040 ug/l	100
64) Tetrachloroethene	9.269	164	64266	54.365 ug/l	98
65) Chlorobenzene	10.073	112	207265	52.640 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	70047	54.854 ug/l	99
67) Ethyl Benzene	10.189	91	369374	55.362 ug/l	98
68) m/p-Xylenes	10.299	106	275579	110.758 ug/l	99
69) o-Xylene	10.640	106	134066	55.187 ug/l	98
70) Styrene	10.653	104	225568	56.140 ug/l	99
71) Bromoform	10.799	173	47233	48.773 ug/l #	98
73) Isopropylbenzene	10.957	105	352296	52.039 ug/l	99
74) N-amyl acetate	10.842	43	162994	51.973 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	119153	51.403 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100223m	51.893 ug/l	
77) Bromobenzene	11.195	156	82907	51.338 ug/l	99
78) n-propylbenzene	11.305	91	406514	53.765 ug/l	99
79) 2-Chlorotoluene	11.360	91	246574	51.573 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	295006	52.968 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	34321	48.492 ug/l	95
82) 4-Chlorotoluene	11.451	91	281758	52.200 ug/l	100
83) tert-Butylbenzene	11.713	119	291225	52.754 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	299186	53.956 ug/l	98
85) sec-Butylbenzene	11.890	105	360460	53.293 ug/l	99
86) p-Isopropyltoluene	12.006	119	304159	55.361 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	153209	52.089 ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	154469	51.511 ug/l	98
89) n-Butylbenzene	12.329	91	268422	55.414 ug/l	100
90) Hexachloroethane	12.536	117	47025	50.336 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	155184	52.281 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24188	52.076 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	94940	54.252 ug/l	97
94) Hexachlorobutadiene	13.725	225	35816	51.785 ug/l	96
95) Naphthalene	13.774	128	347826	55.215 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	97491	55.041 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

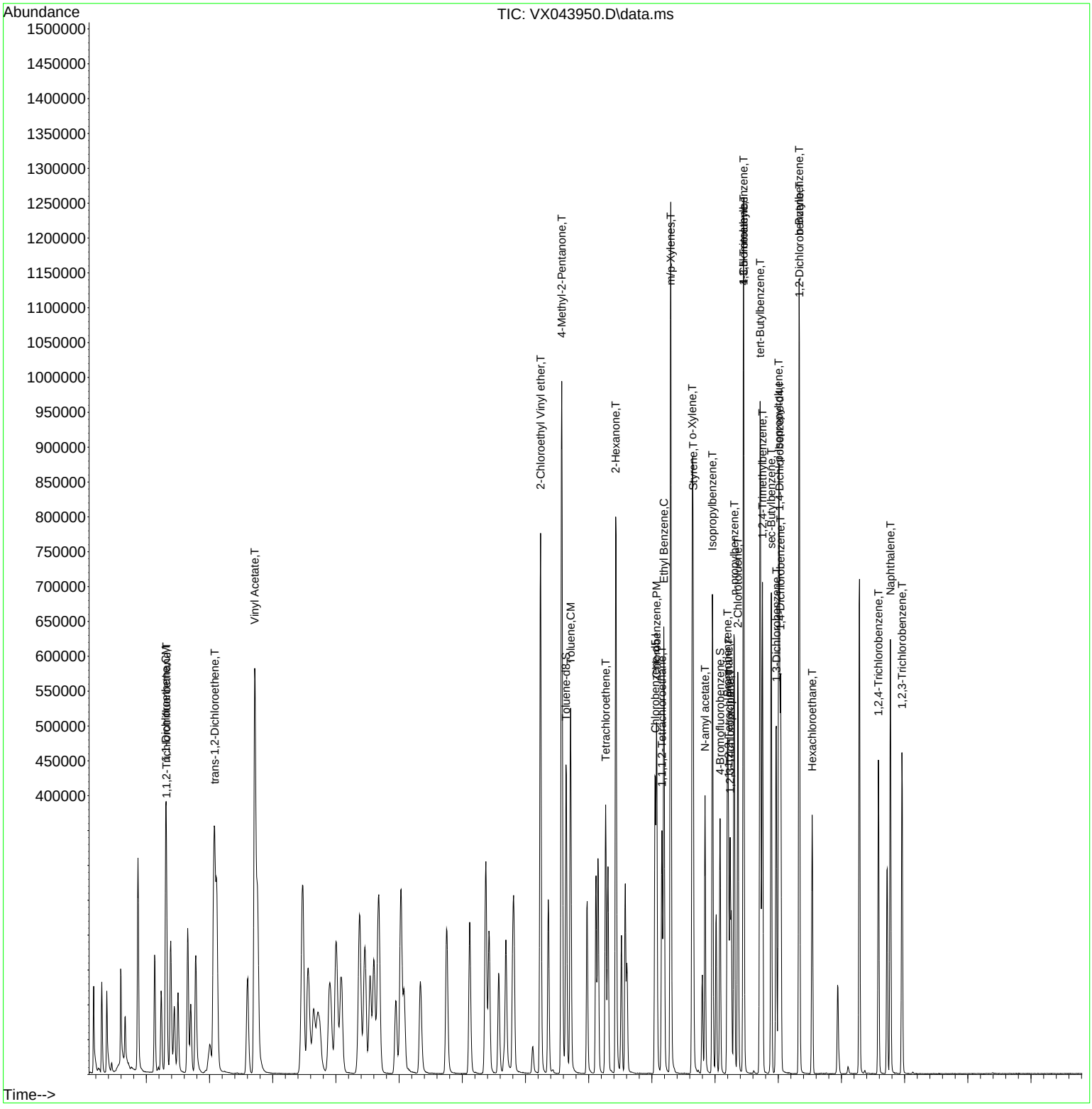
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

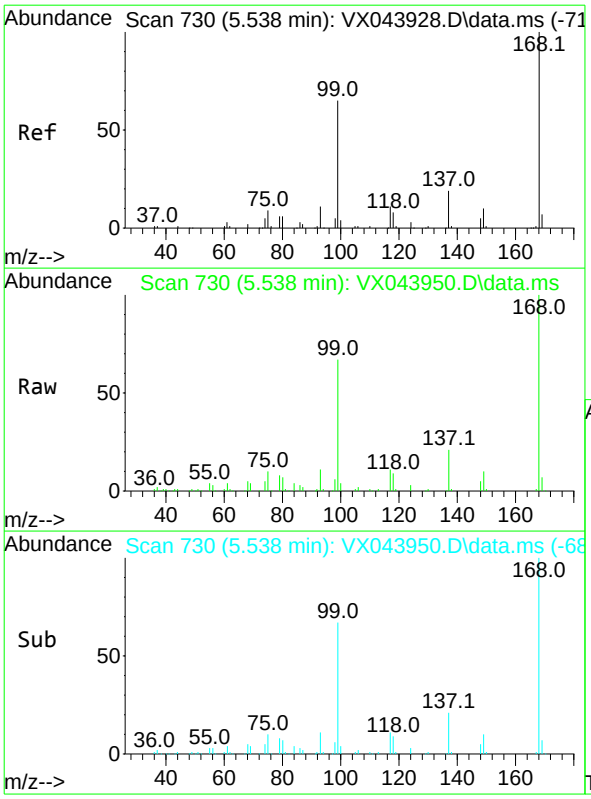
Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

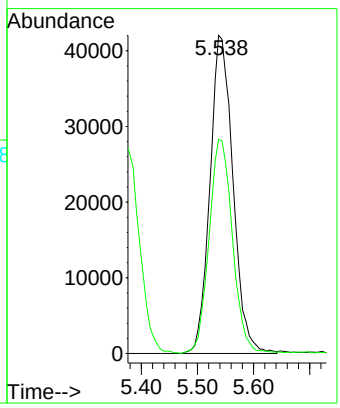




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:168 Resp: 119844

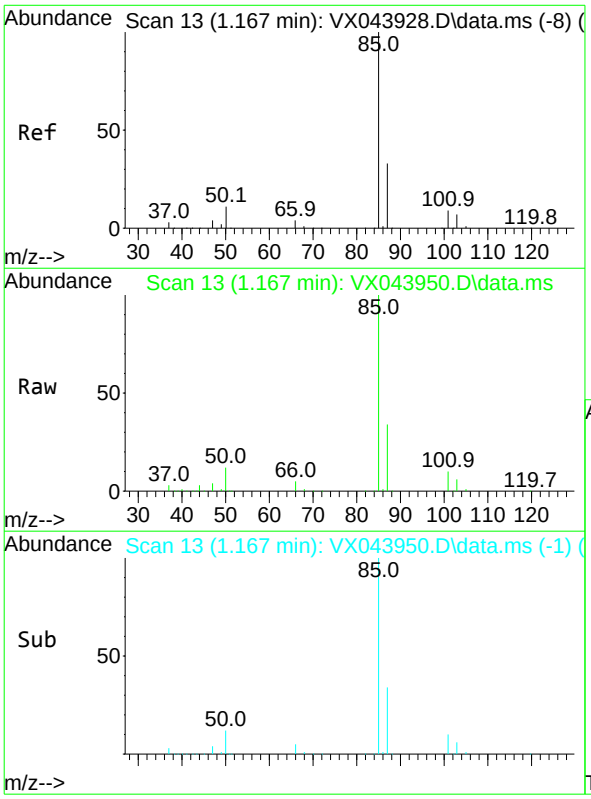
Ion	Ratio	Lower	Upper
168	100		
99	67.1	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

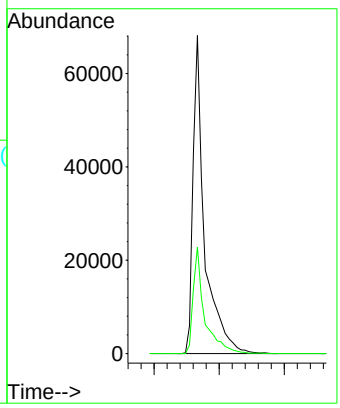
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

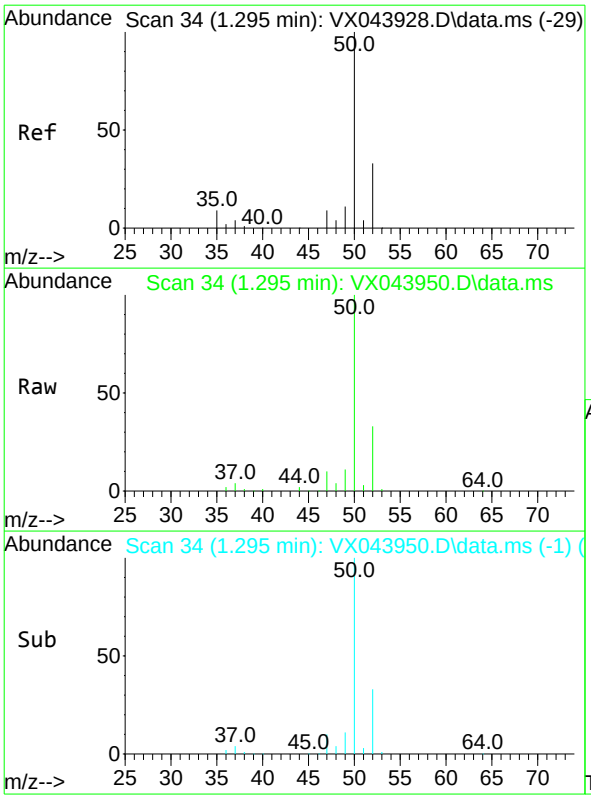


#2
Dichlorodifluoromethane
Concen: 55.175 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.8

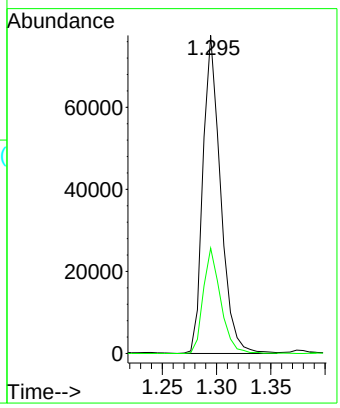




#3
Chloromethane
Concen: 54.963 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 50 Resp: 87811

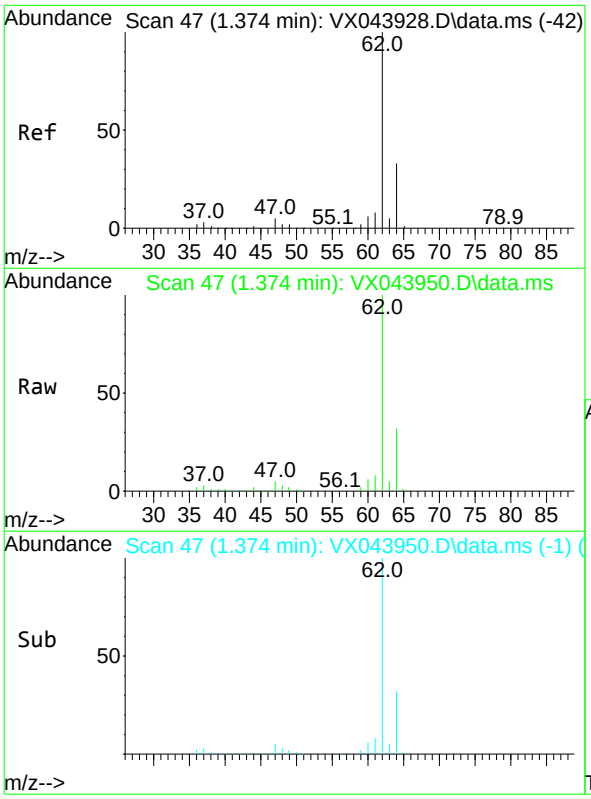
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

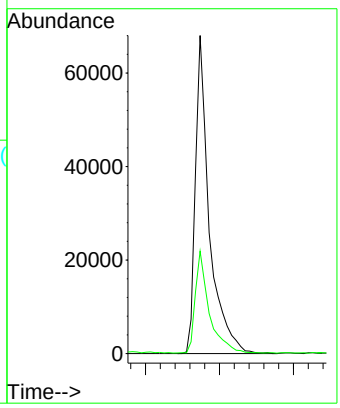
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

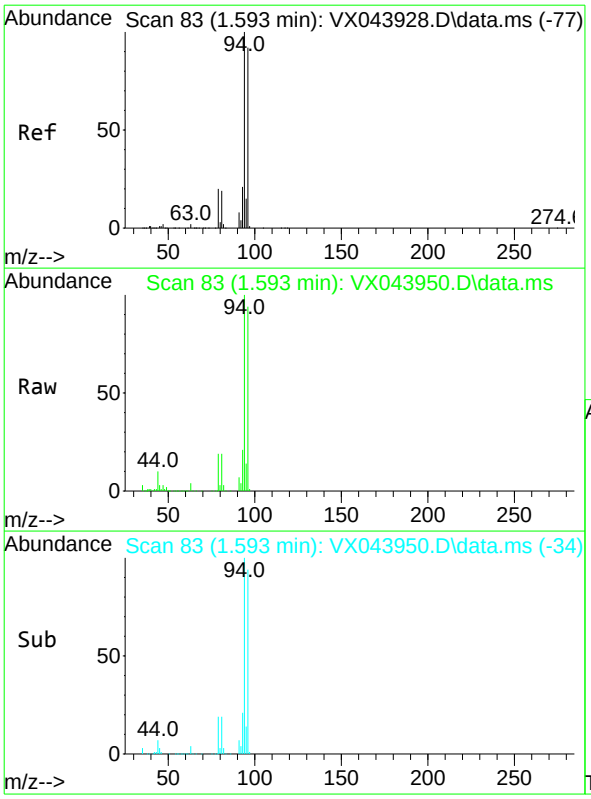


#4
Vinyl Chloride
Concen: 52.301 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 88877

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

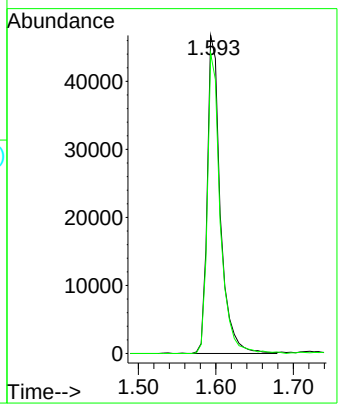




#5
Bromomethane
Concen: 52.486 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 94 Resp: 54869

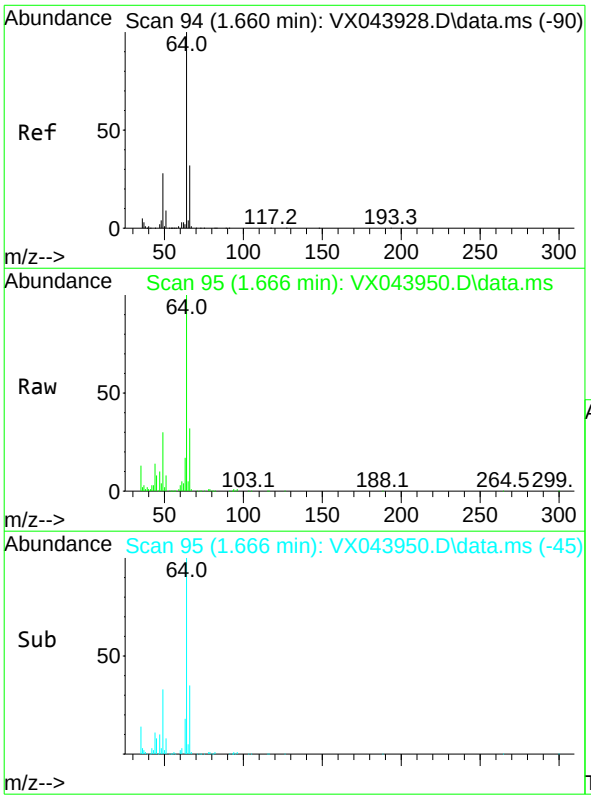
Ion	Ratio	Lower	Upper
94	100		
96	94.3	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

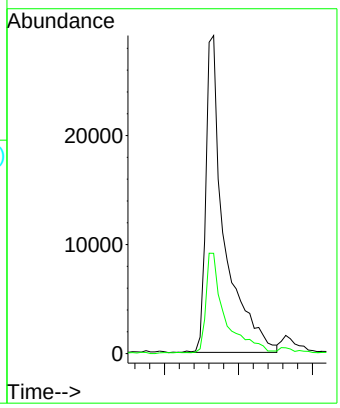
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

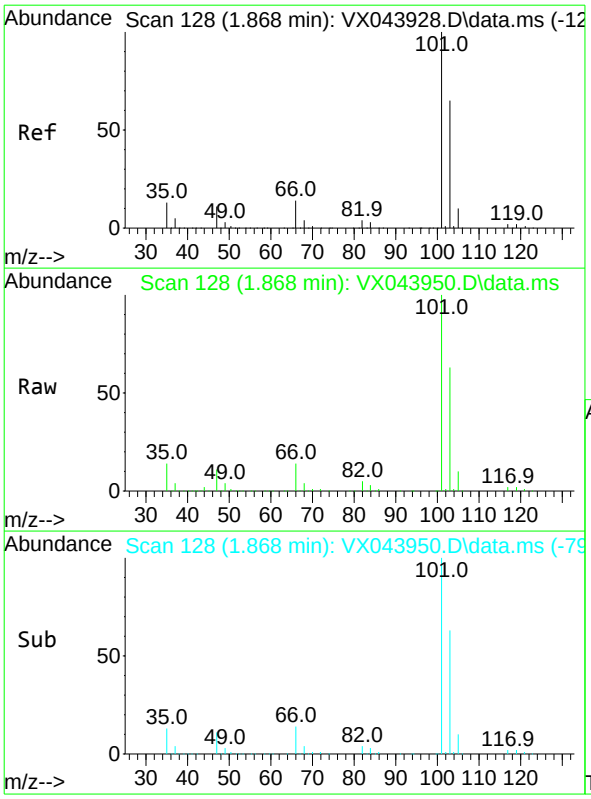


#6
Chloroethane
Concen: 48.505 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 50225

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.9	38.9

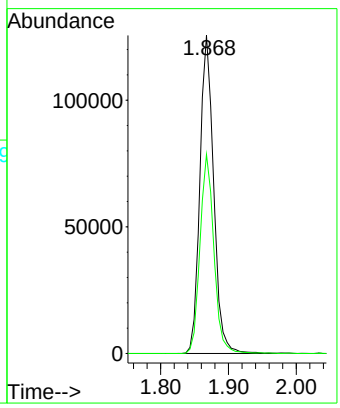




#7
Trichlorofluoromethane
Concen: 58.296 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 177113

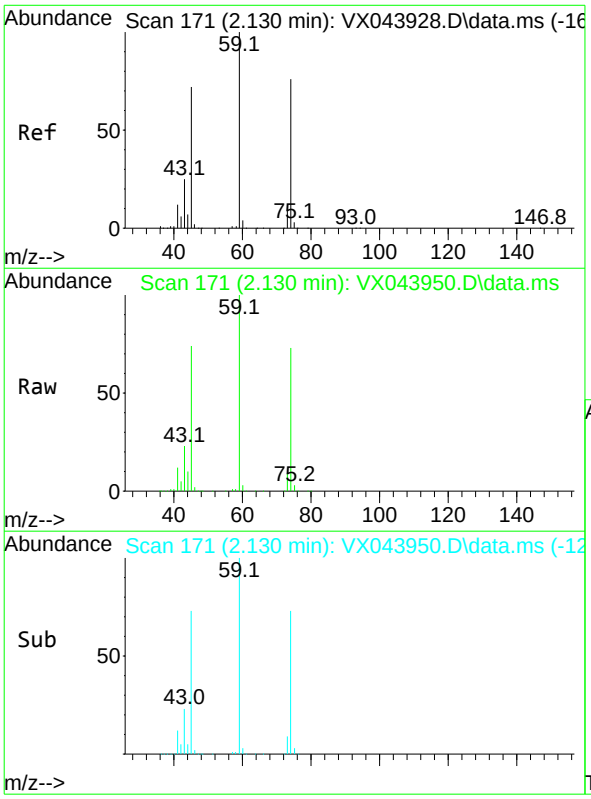
Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

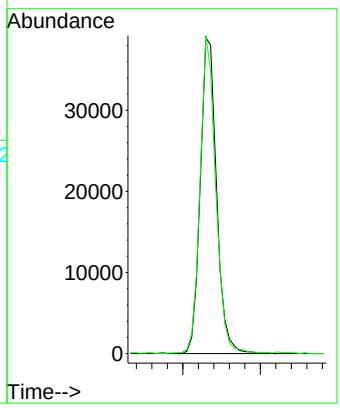
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

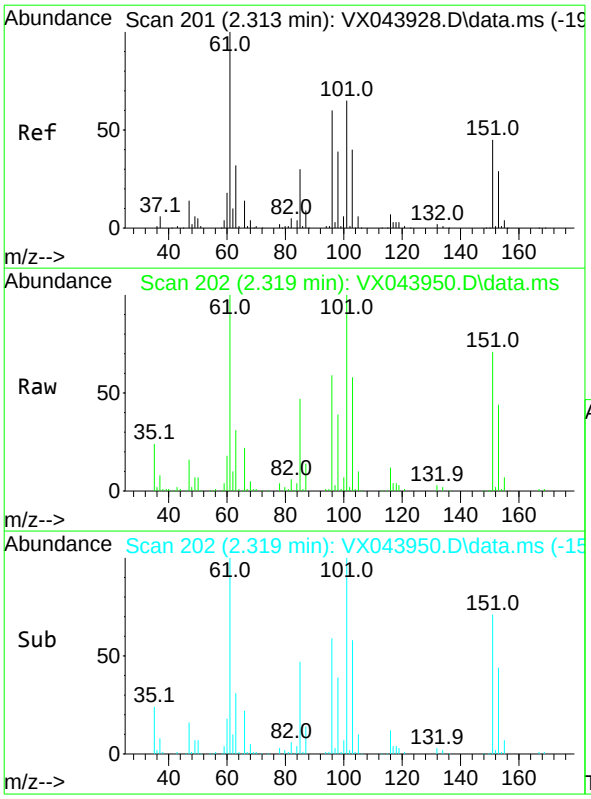


#8
Diethyl Ether
Concen: 51.158 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.6

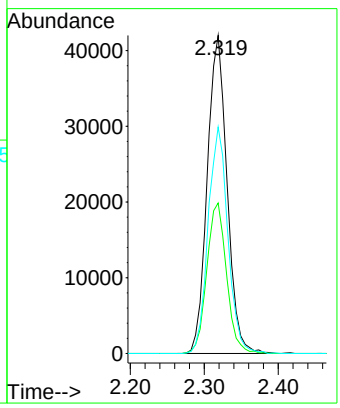




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.892 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 78101

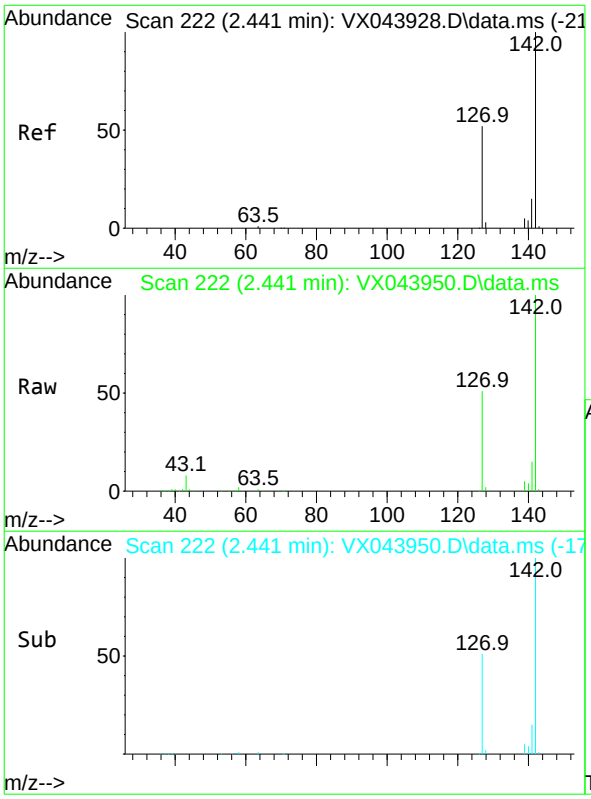
Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.9	56.9
151	70.9	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

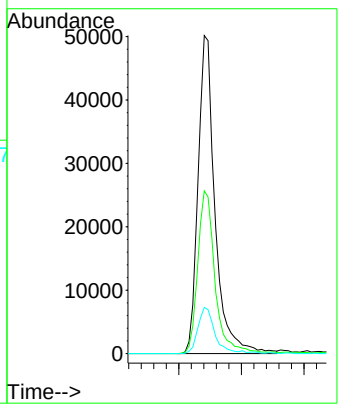
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

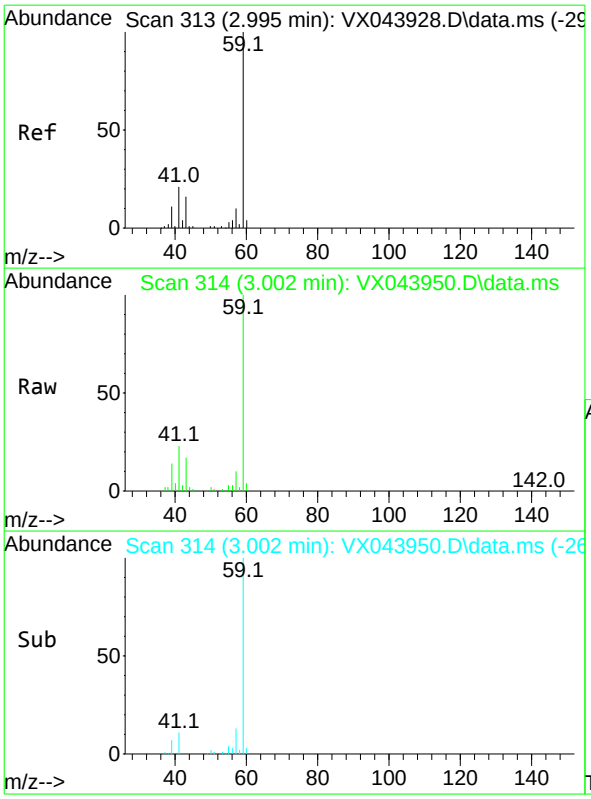


#10
Methyl Iodide
Concen: 52.213 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.7	61.1
141	14.7	12.0	18.0

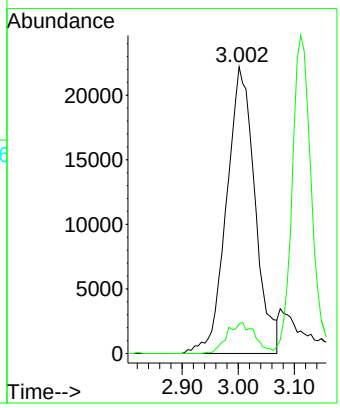




#11
Tert butyl alcohol
Concen: 236.901 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 59 Resp: 78161

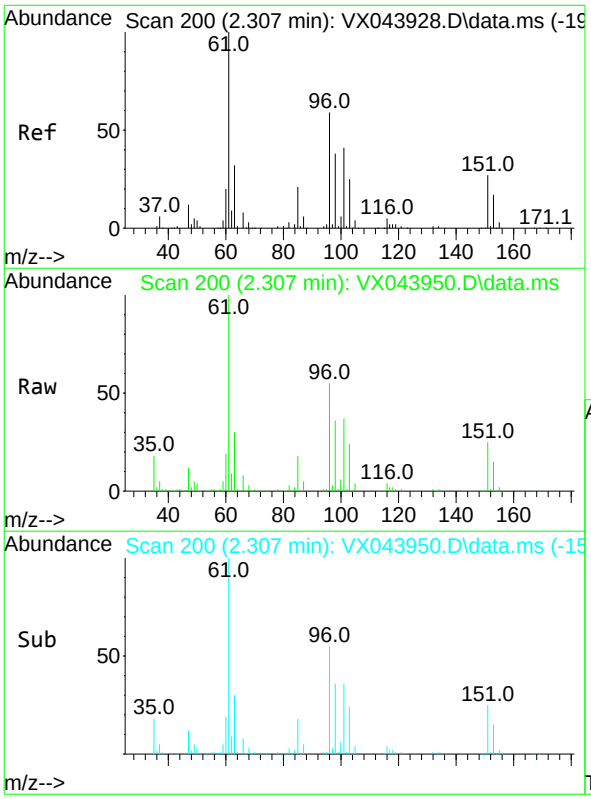
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

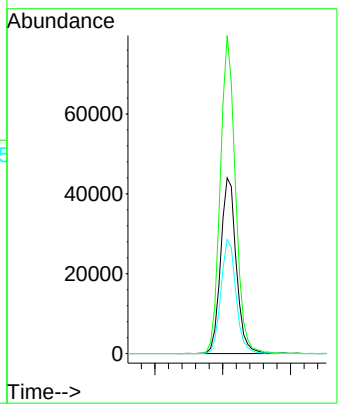
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

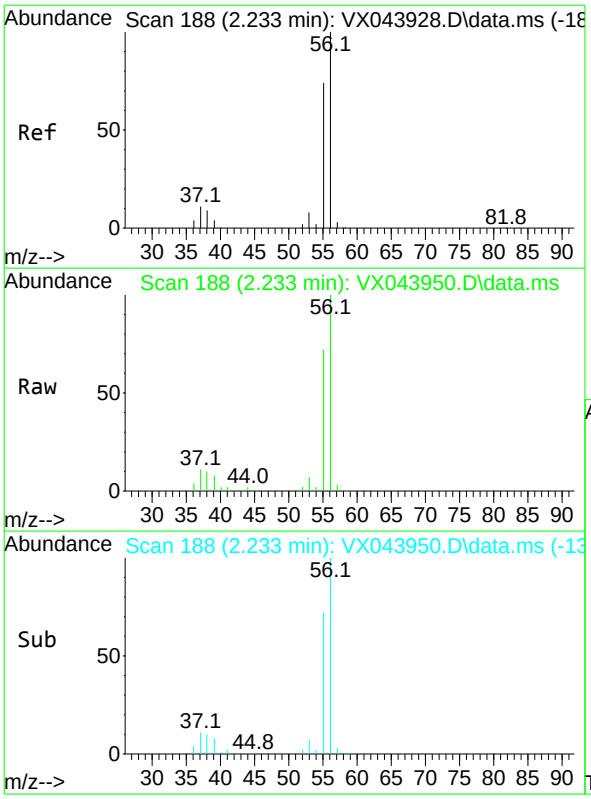


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 70195

Ion	Ratio	Lower	Upper
96	100		
61	181.0	135.5	203.3
98	64.9	50.8	76.2

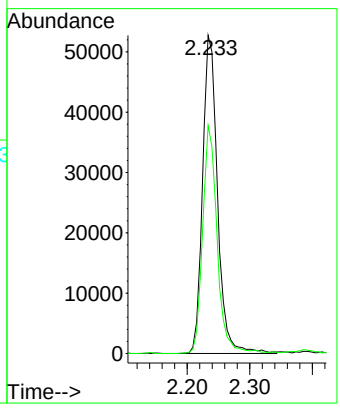




#13
Acrolein
Concen: 251.363 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 87414

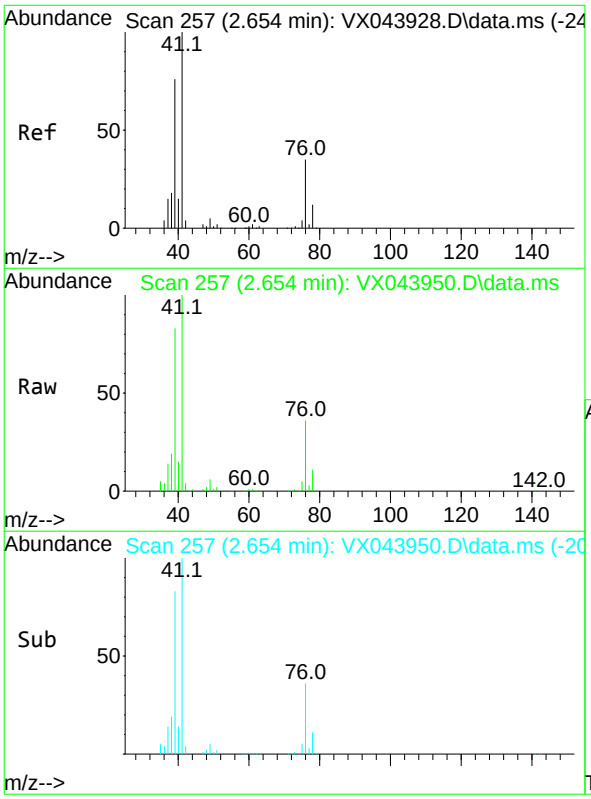
Ion	Ratio	Lower	Upper
56	100		
55	69.6	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

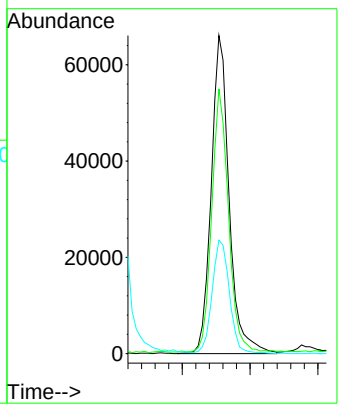
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

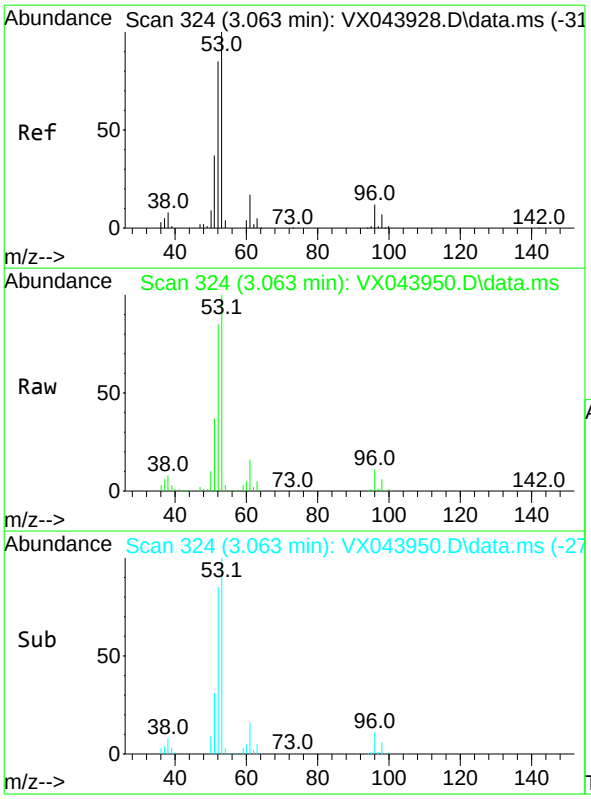


#14
Allyl chloride
Concen: 53.777 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 121345

Ion	Ratio	Lower	Upper
41	100		
39	76.8	59.5	89.3
76	34.5	27.4	41.2

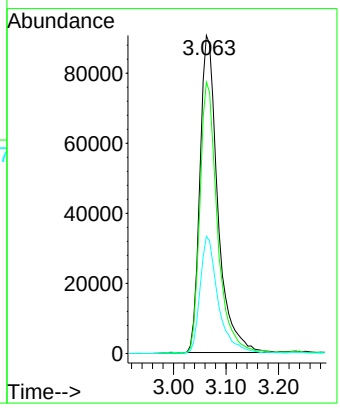




#15
Acrylonitrile
Concen: 265.550 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 53 Resp: 213507

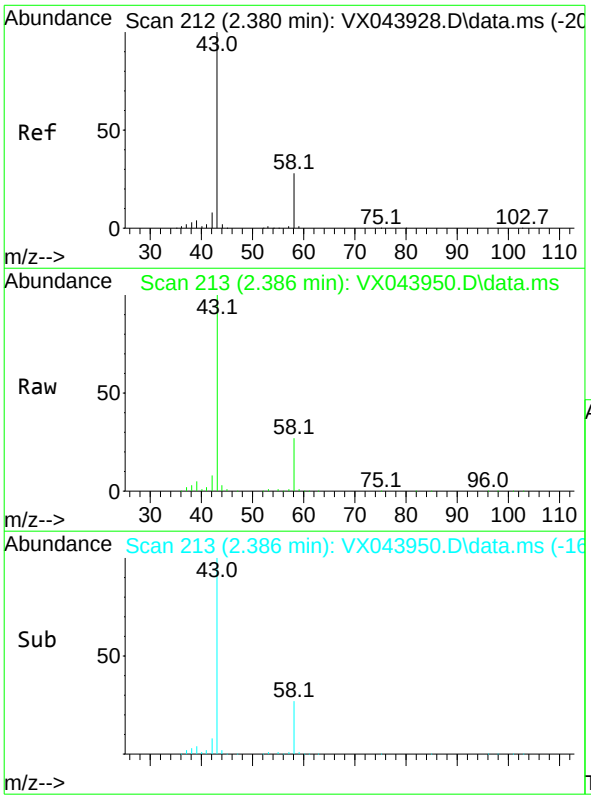
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.3	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

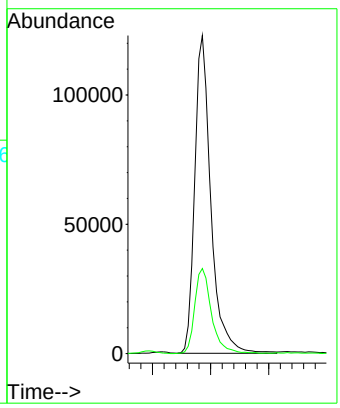
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

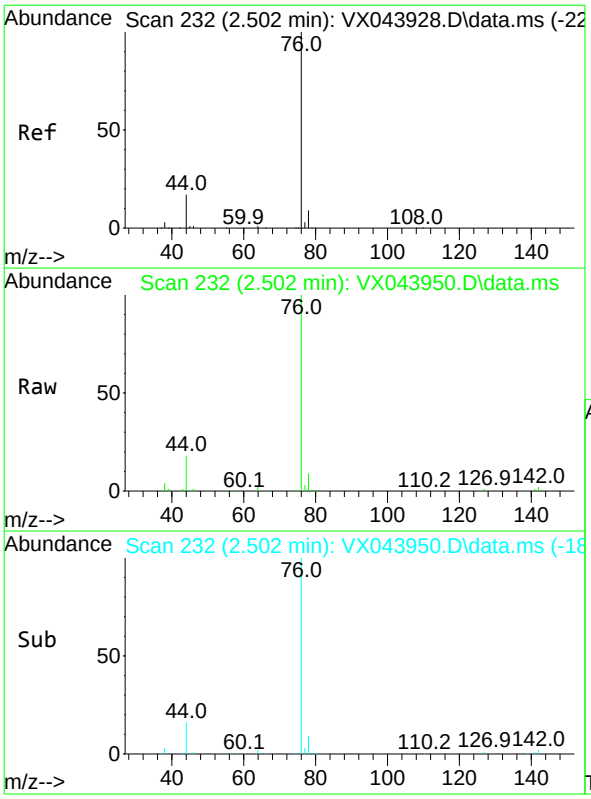


#16
Acetone
Concen: 250.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236749

Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.7	34.1





#17
Carbon Disulfide
Concen: 47.616 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

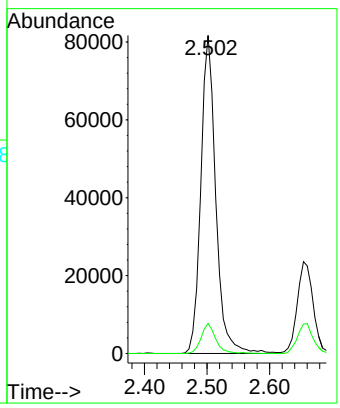
Tgt Ion: 76 Resp: 135635

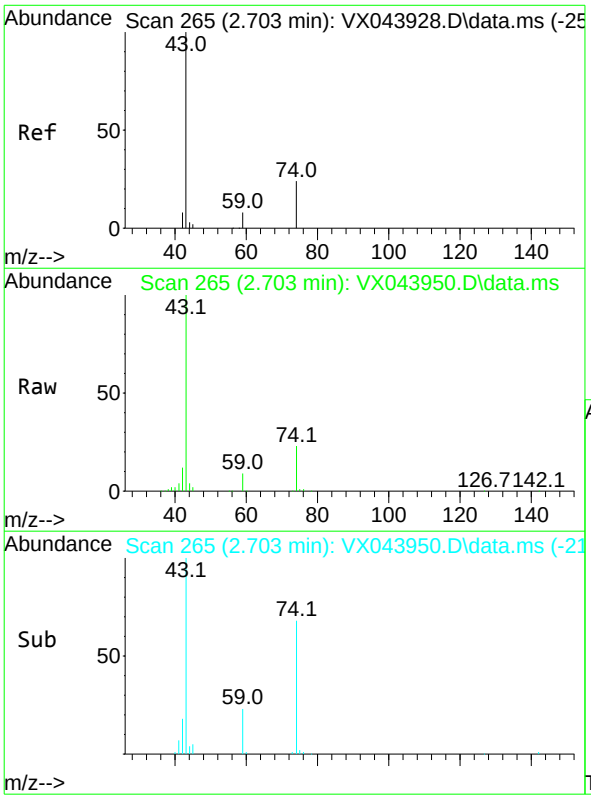
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

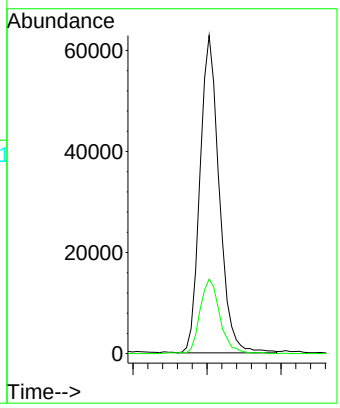


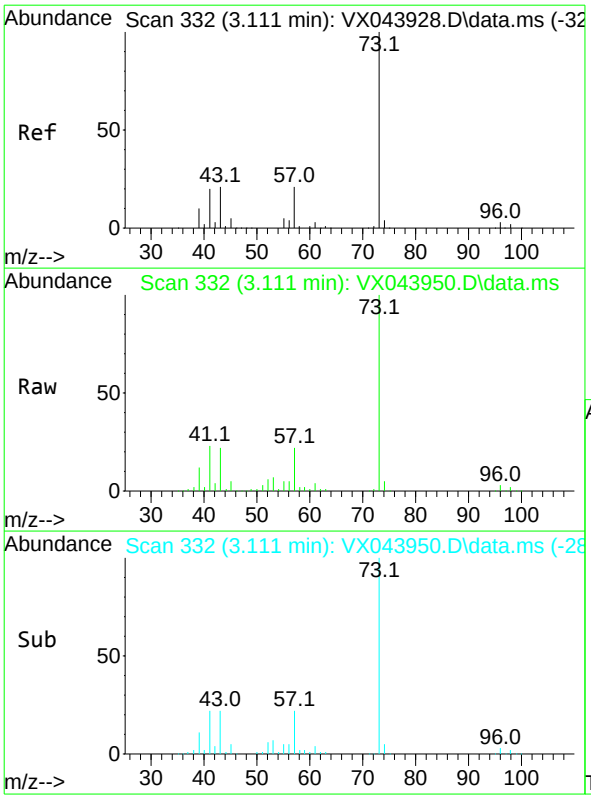


#18
Methyl Acetate
Concen: 51.629 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509

Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3

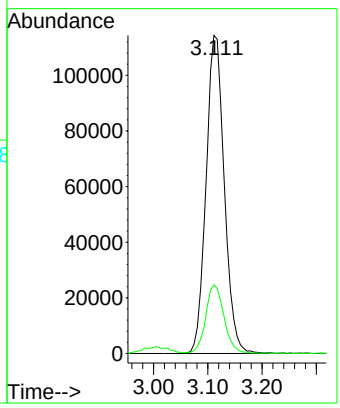




#19
Methyl tert-butyl Ether
Concen: 53.261 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 73 Resp: 267063

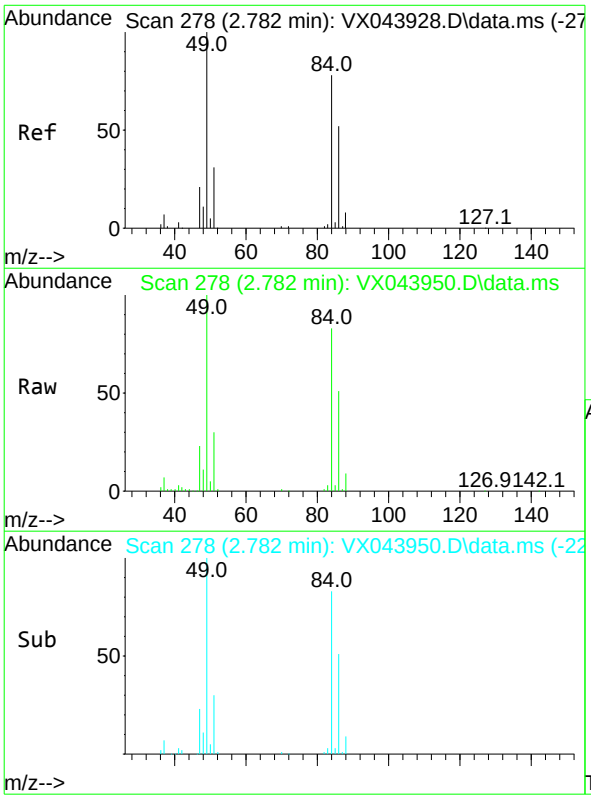
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

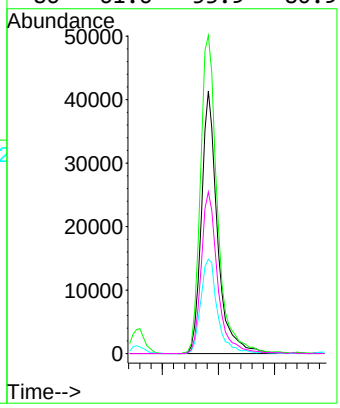
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

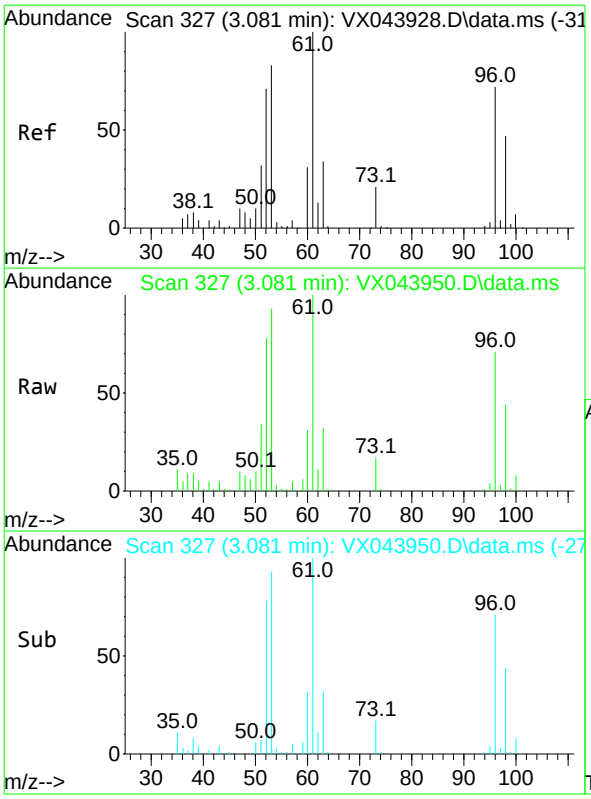


#20
Methylene Chloride
Concen: 51.146 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941

Ion	Ratio	Lower	Upper
84	100		
49	121.1	102.7	154.1
51	36.0	31.7	47.5
86	61.6	53.9	80.9

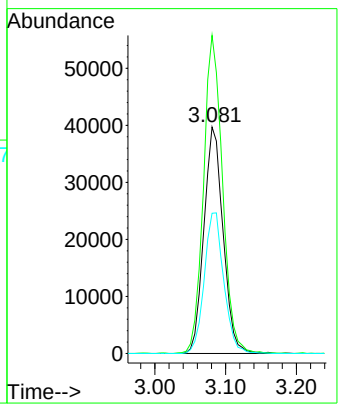




#21
trans-1,2-Dichloroethene
Concen: 52.461 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 74796

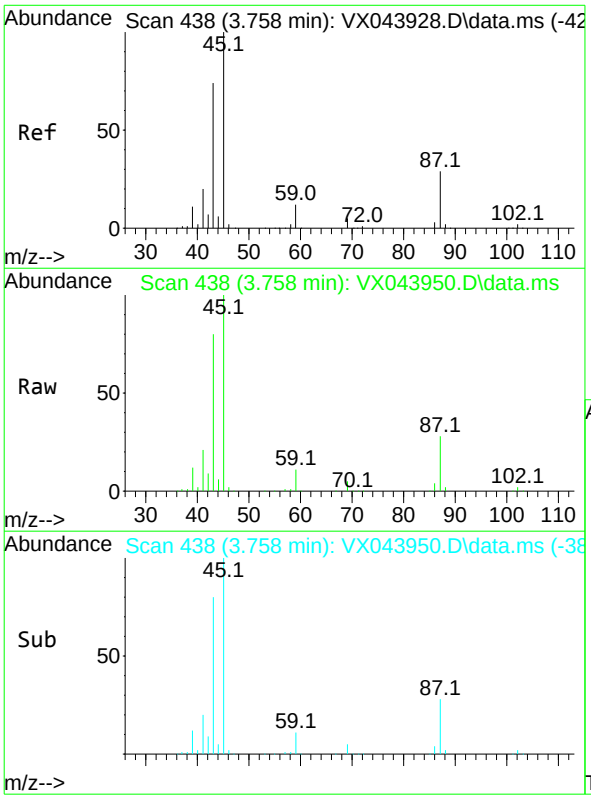
Ion	Ratio	Lower	Upper
96	100		
61	140.3	111.8	167.6
98	61.9	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

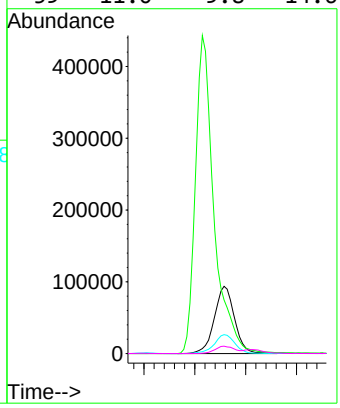
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

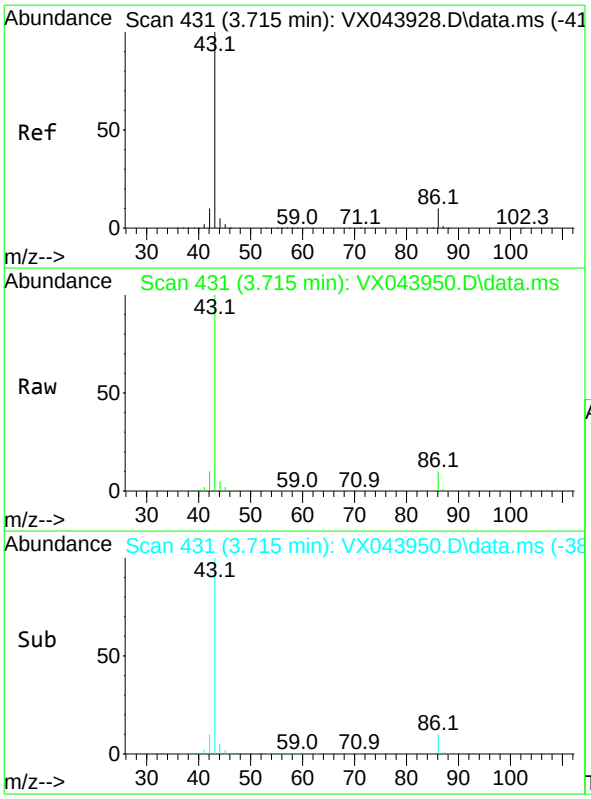


#22
Diisopropyl ether
Concen: 53.416 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734

Ion	Ratio	Lower	Upper
45	100		
43	79.7	59.6	89.4
87	28.1	22.9	34.3
59	11.0	9.8	14.6

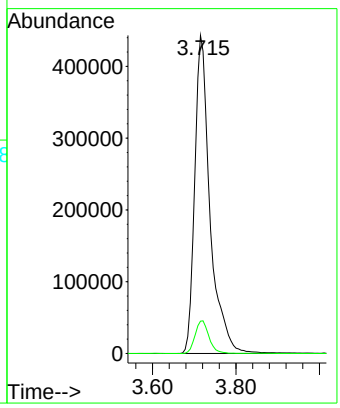




#23
Vinyl Acetate
Concen: 272.921 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 1126489

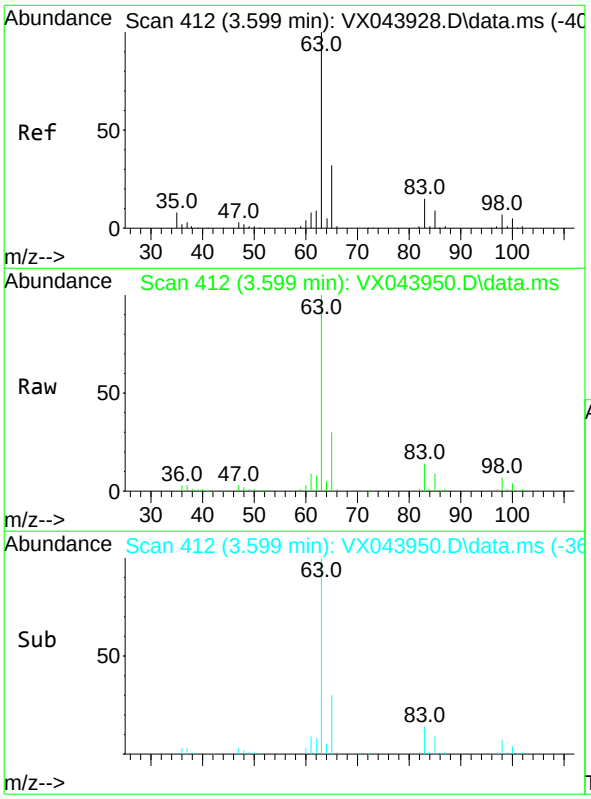
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

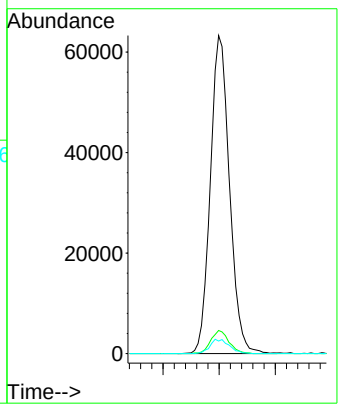
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

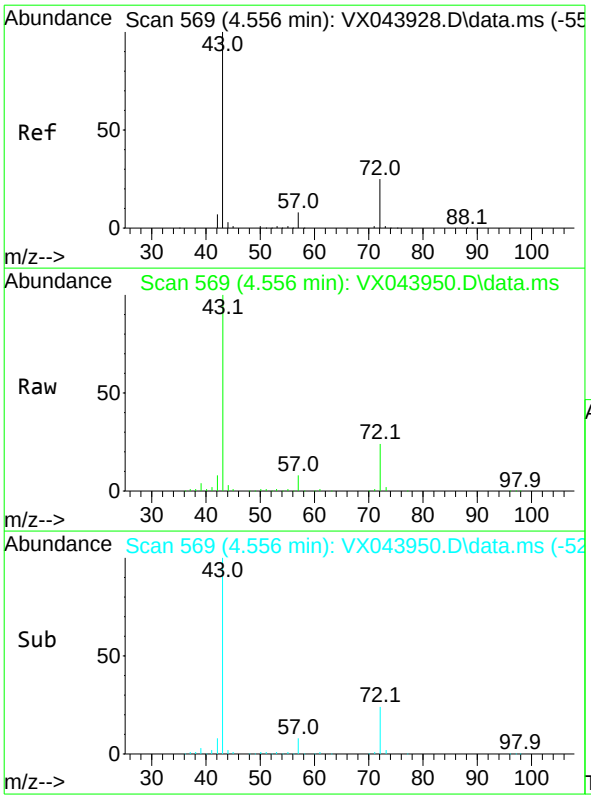


#24
1,1-Dichloroethane
Concen: 53.913 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 150069

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.6
100	3.9	2.4	7.1

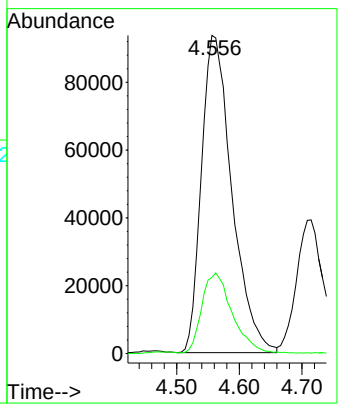




#25
2-Butanone
Concen: 259.902 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 316605

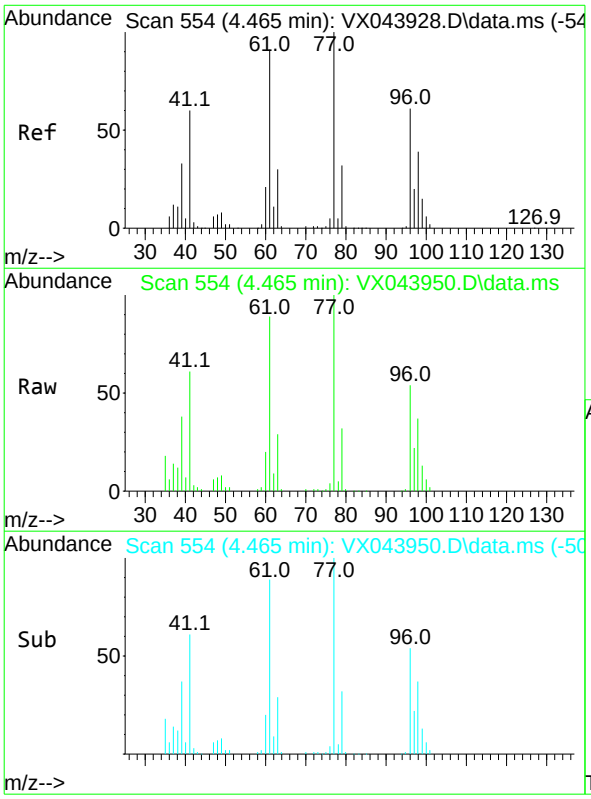
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

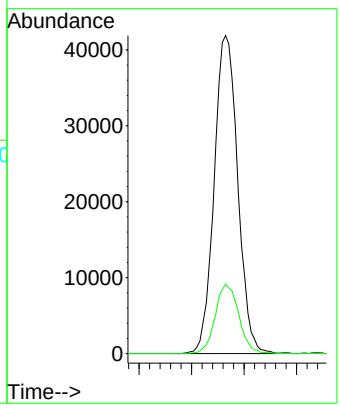
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

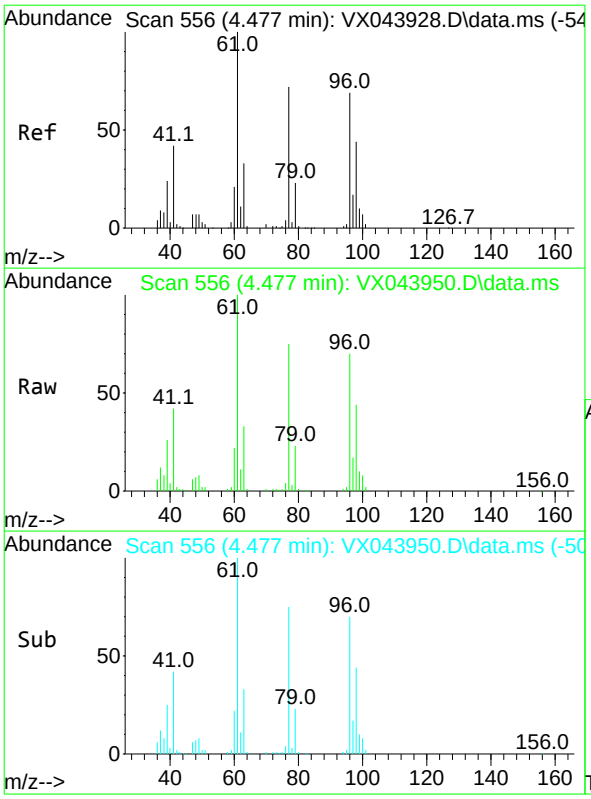


#26
2,2-Dichloropropane
Concen: 51.956 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 130610

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3

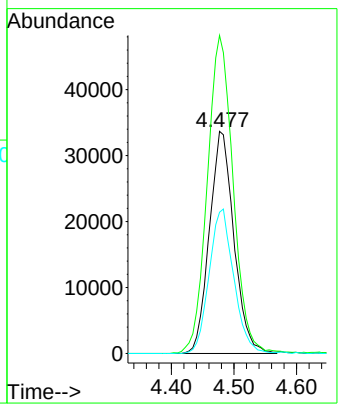




#27
cis-1,2-Dichloroethene
Concen: 52.023 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 91683

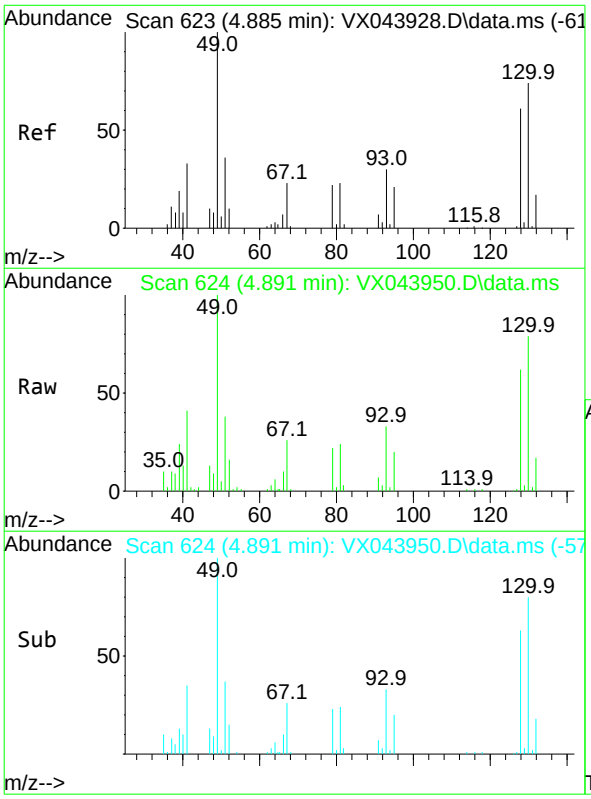
Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	297.4
98	65.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

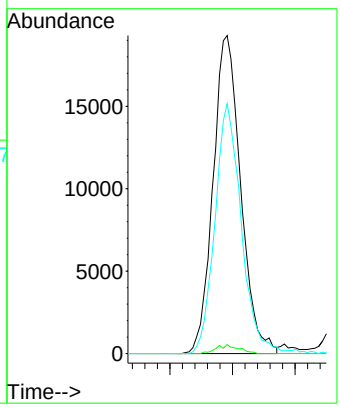
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

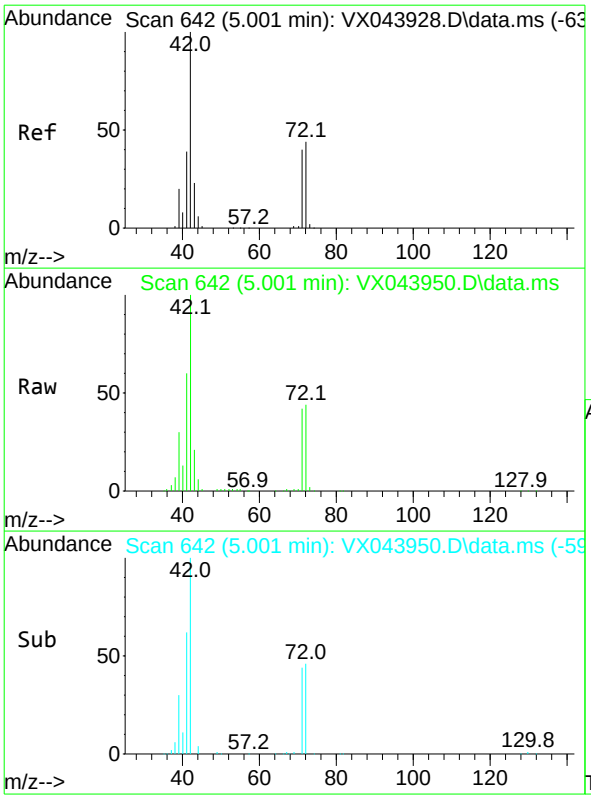


#28
Bromochloromethane
Concen: 48.235 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 59099

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	74.9	59.0	88.6

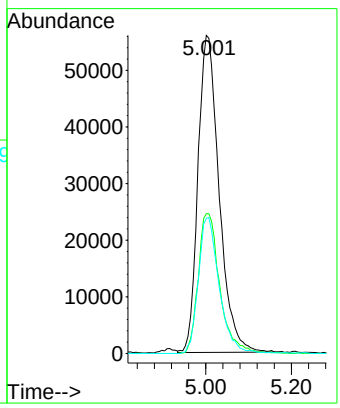




#29
Tetrahydrofuran
Concen: 257.216 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 42 Resp: 192093

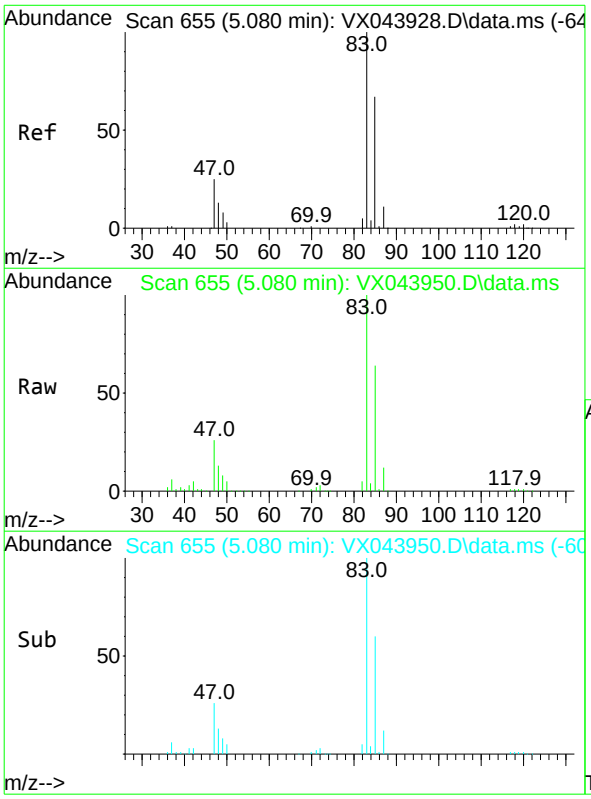
Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.2	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

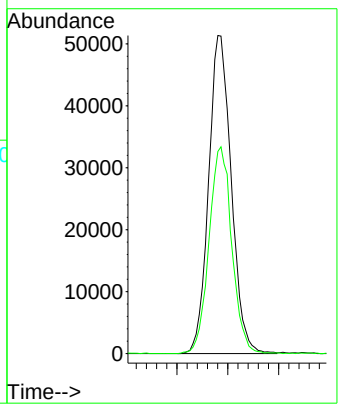
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

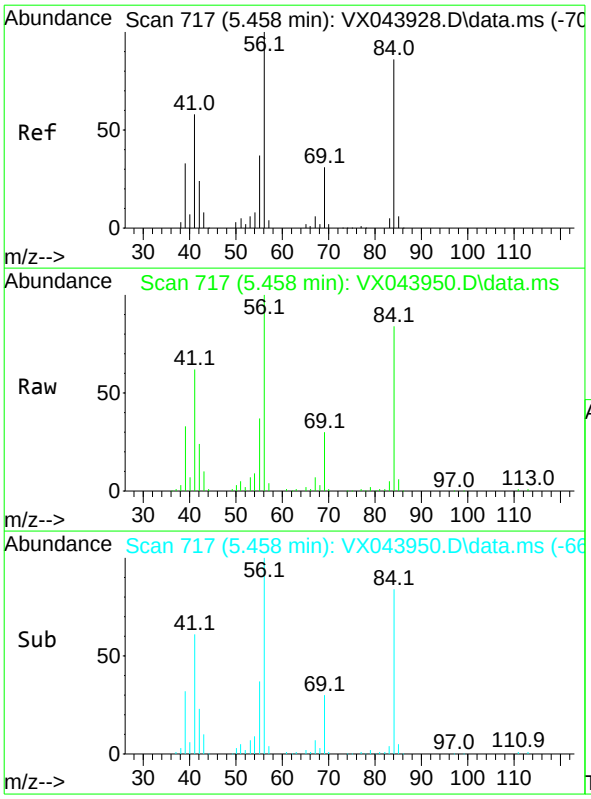


#30
Chloroform
Concen: 53.043 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 158800

Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.5	80.3





#31
Cyclohexane
Concen: 53.324 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

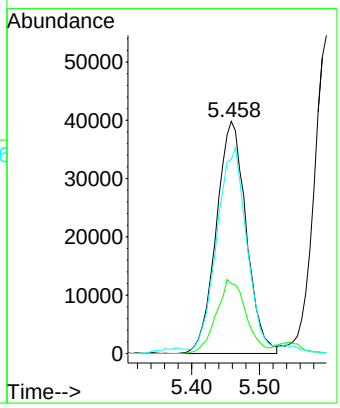
Tgt Ion: 56 Resp: 122162

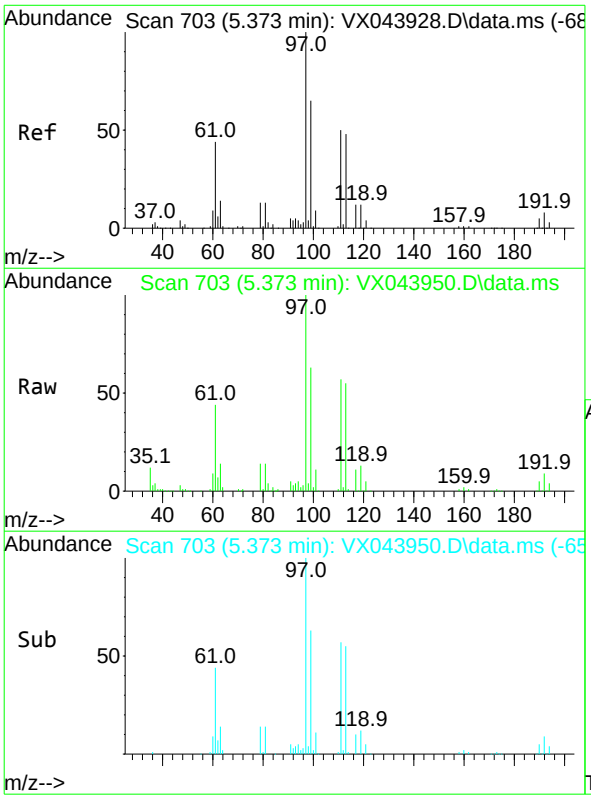
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.7	37.1
84	81.2	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

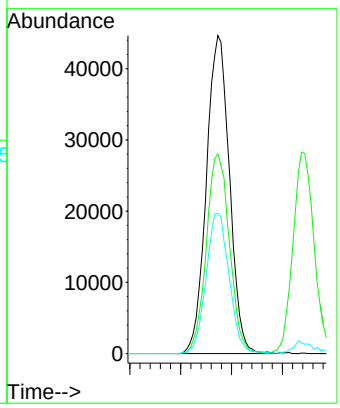


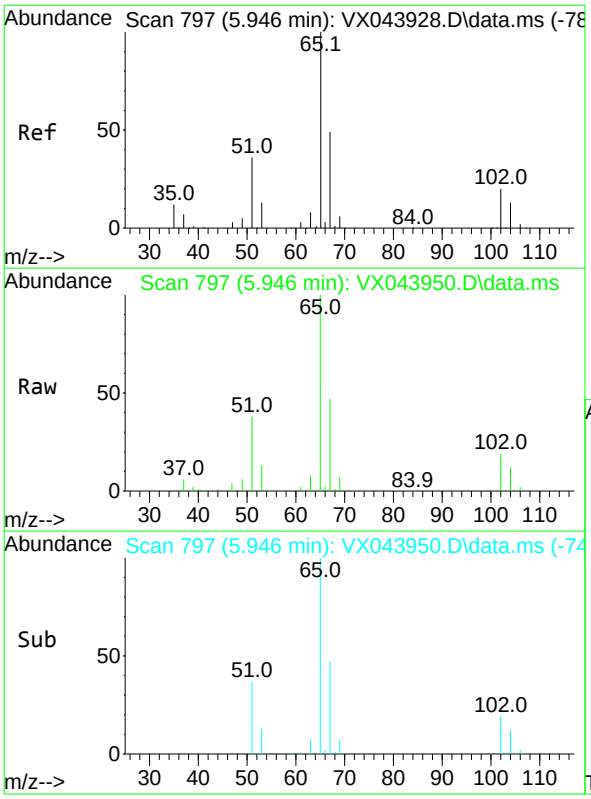


#32
1,1,1-Trichloroethane
Concen: 54.526 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 140772

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.8	76.2
61	44.3	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

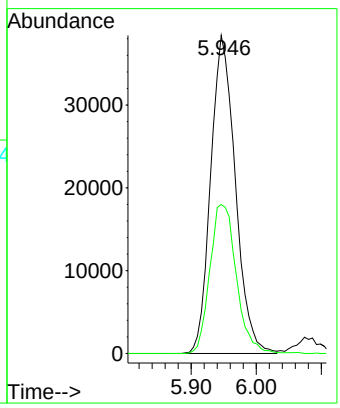
Tgt Ion: 65 Resp: 100999

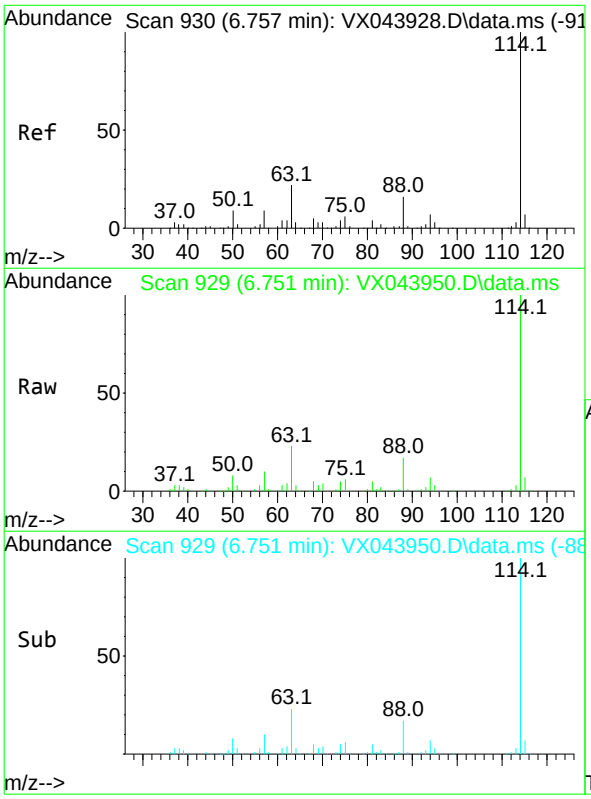
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

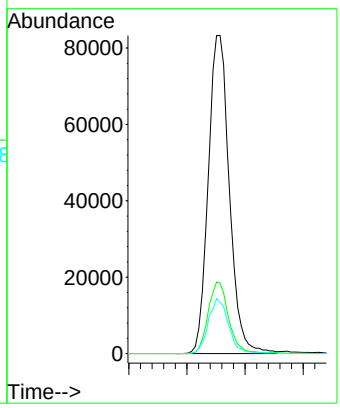


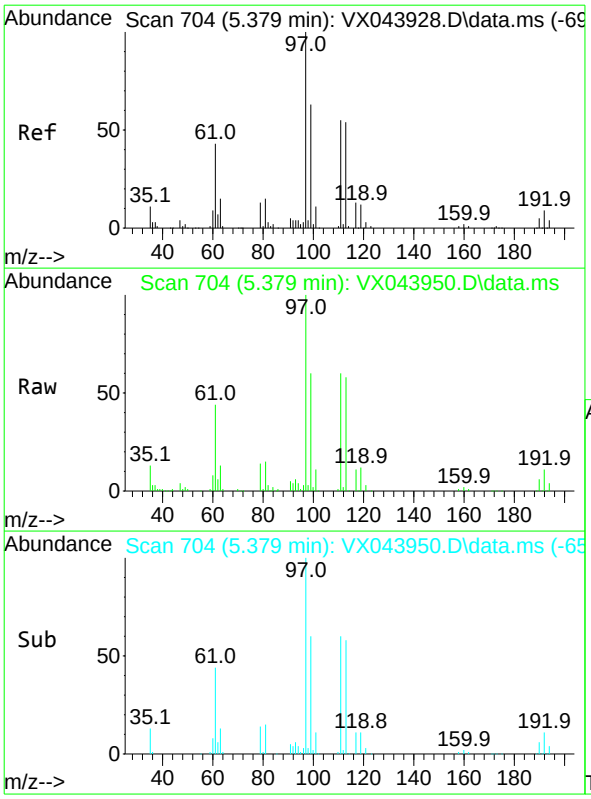


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 210147

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	17.3	0.0	32.4

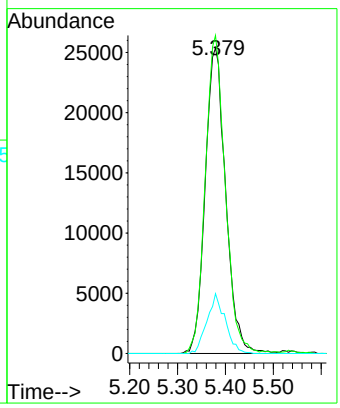




#35
Dibromofluoromethane
Concen: 50.272 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:113 Resp: 75489

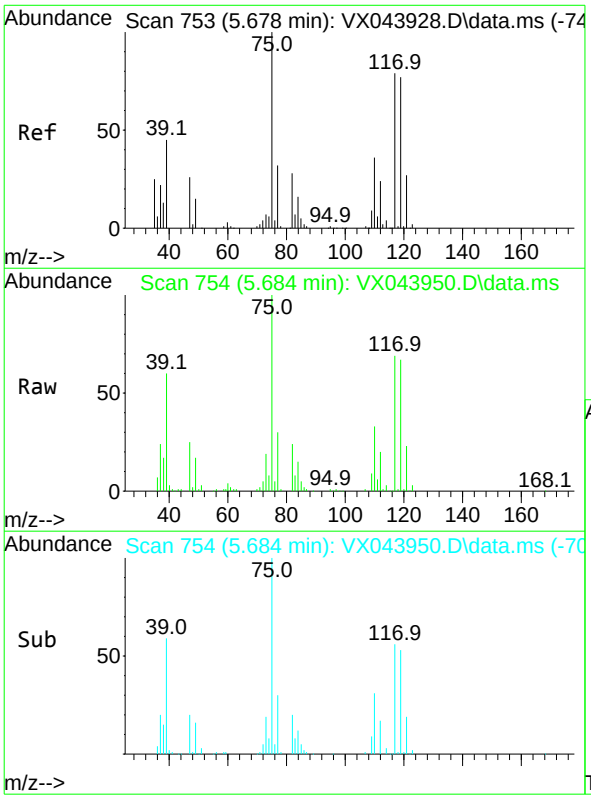
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.0	121.4
192	17.5	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

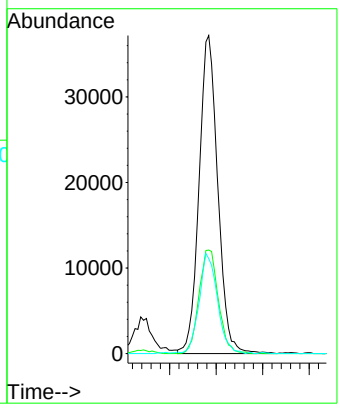
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

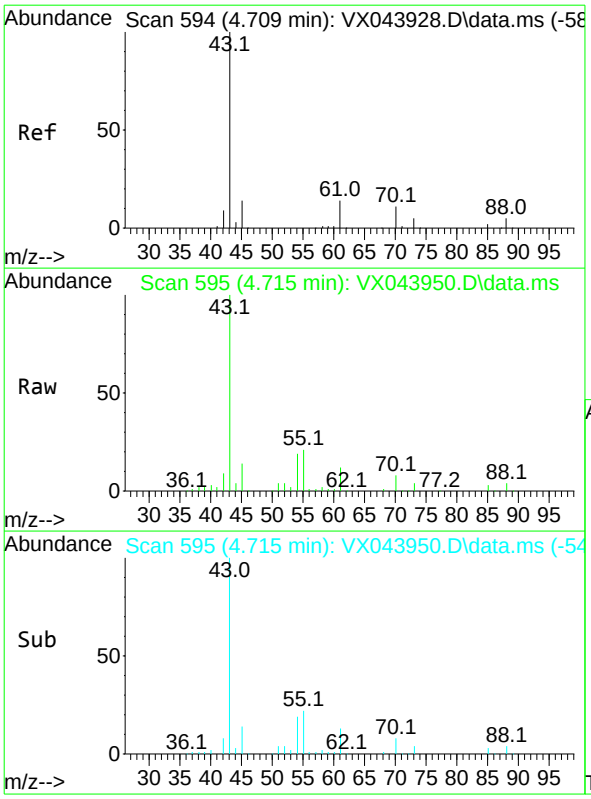


#36
1,1-Dichloropropene
Concen: 55.562 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.2
77	30.9	25.8	38.8

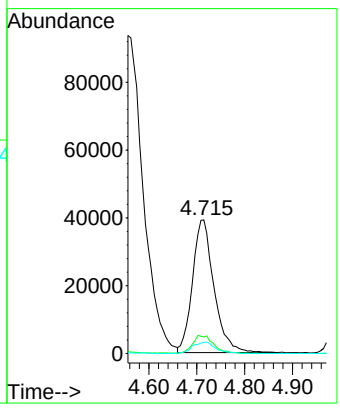




#37
Ethyl Acetate
Concen: 52.440 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 121804

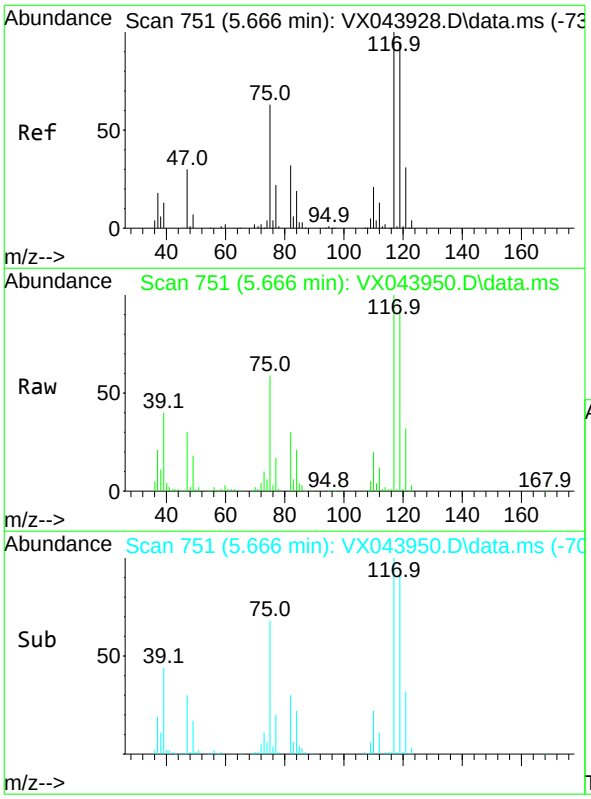
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.2	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

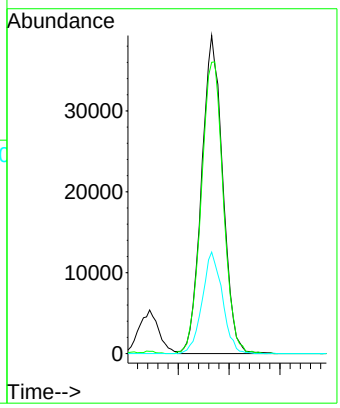
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

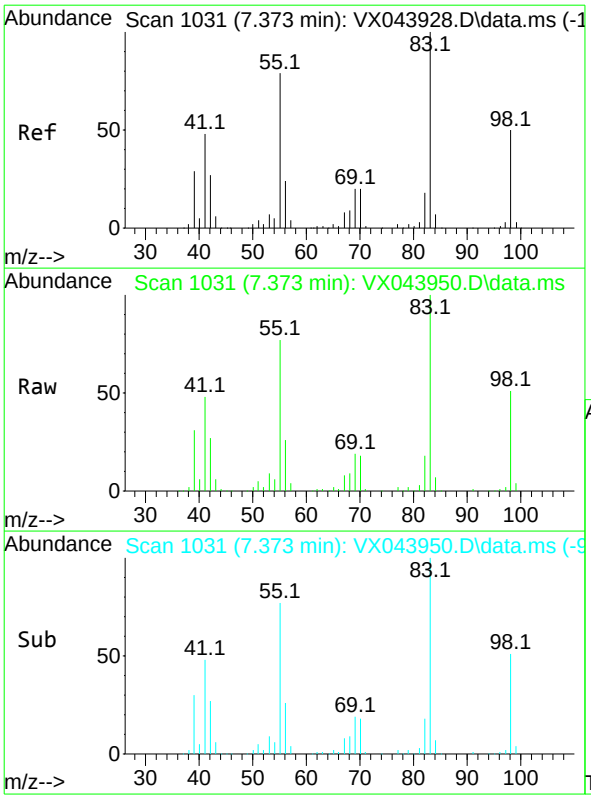


#38
Carbon Tetrachloride
Concen: 53.945 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 113421

Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.2	112.8
121	31.9	24.5	36.7

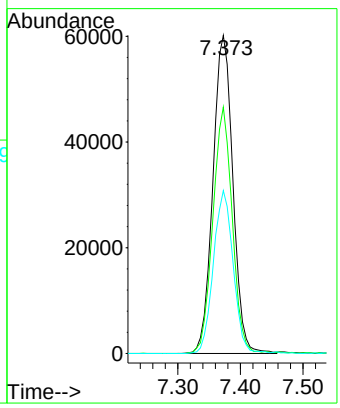




#39
Methylcyclohexane
Concen: 54.849 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 133332

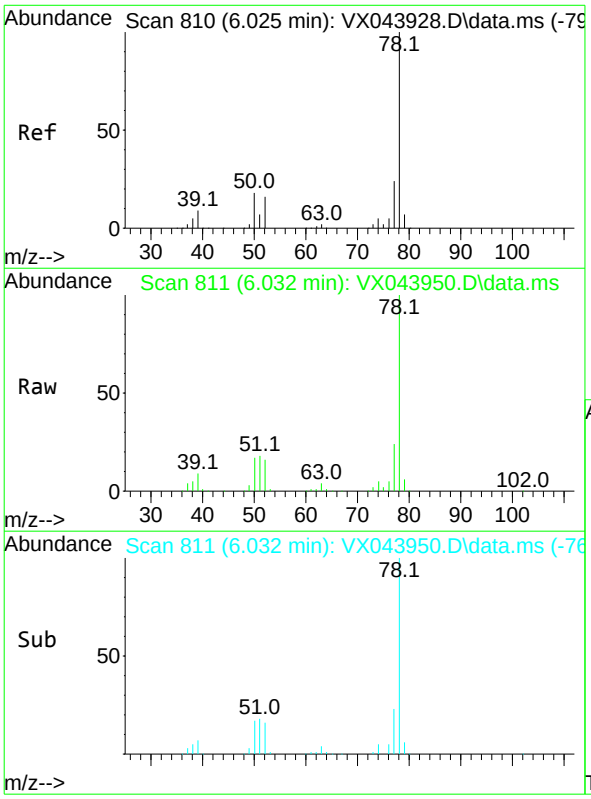
Ion	Ratio	Lower	Upper
83	100		
55	77.4	63.1	94.7
98	51.2	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

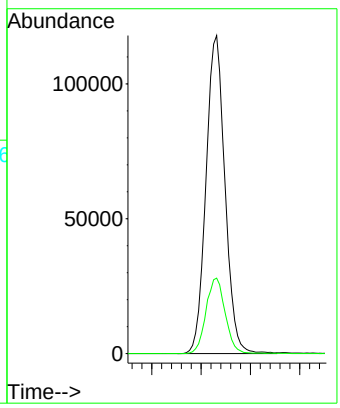
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

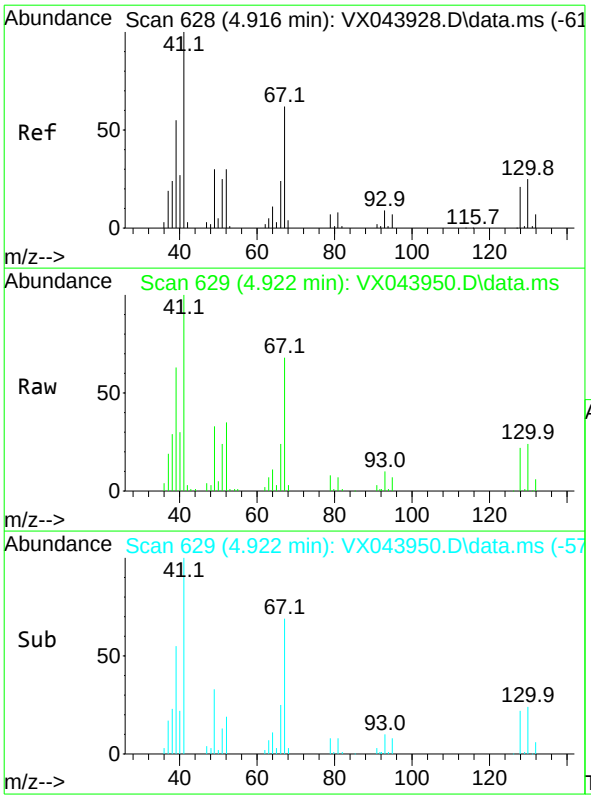


#40
Benzene
Concen: 54.016 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 314837

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8

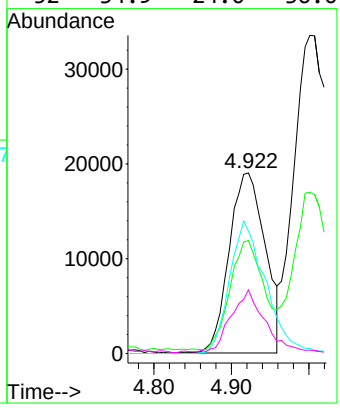




#41
Methacrylonitrile
Concen: 51.710 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 61474

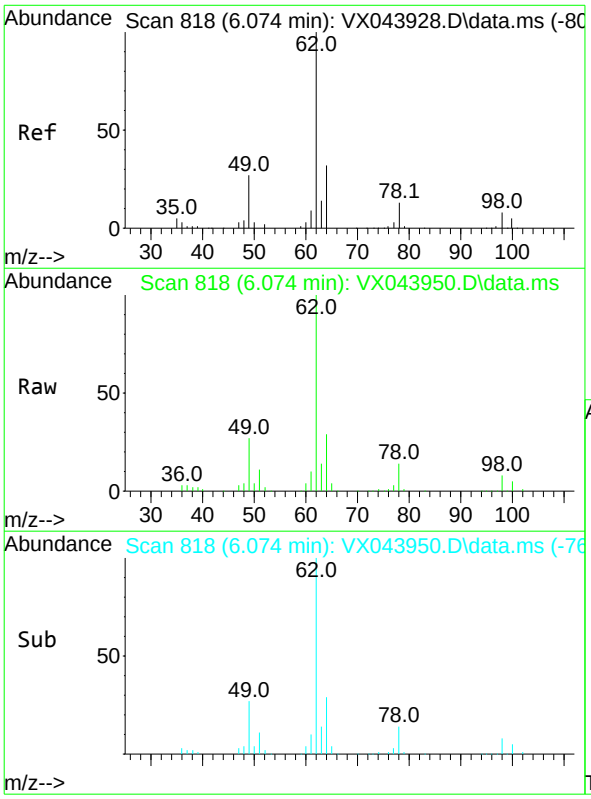
Ion	Ratio	Lower	Upper
41	100		
39	57.2	41.7	62.5
67	74.2	55.8	83.8
52	34.9	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

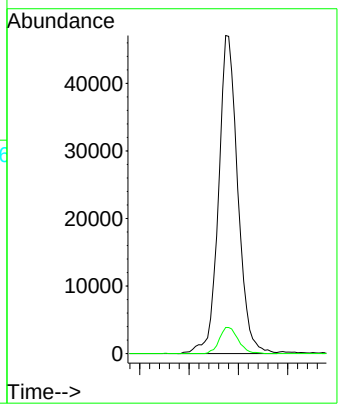
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

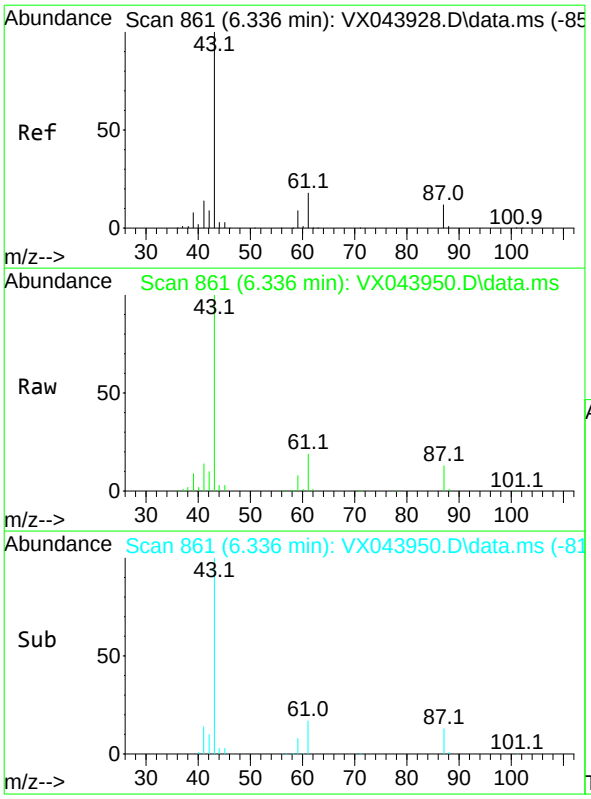


#42
1,2-Dichloroethane
Concen: 54.501 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 127580

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4

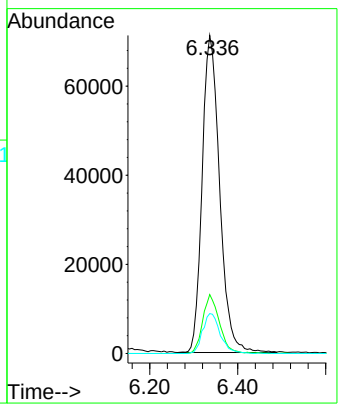




#43
Isopropyl Acetate
Concen: 53.153 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 196481

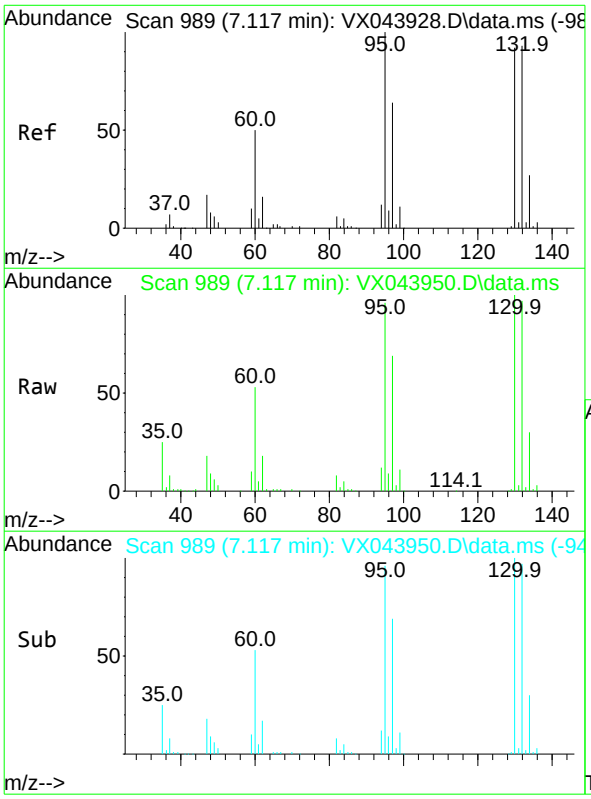
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.6	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

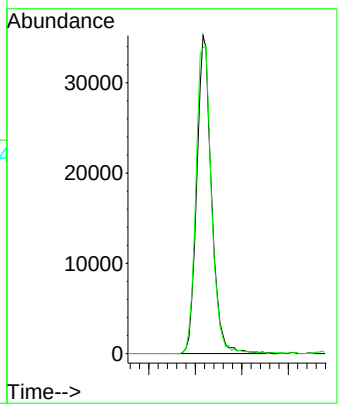
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

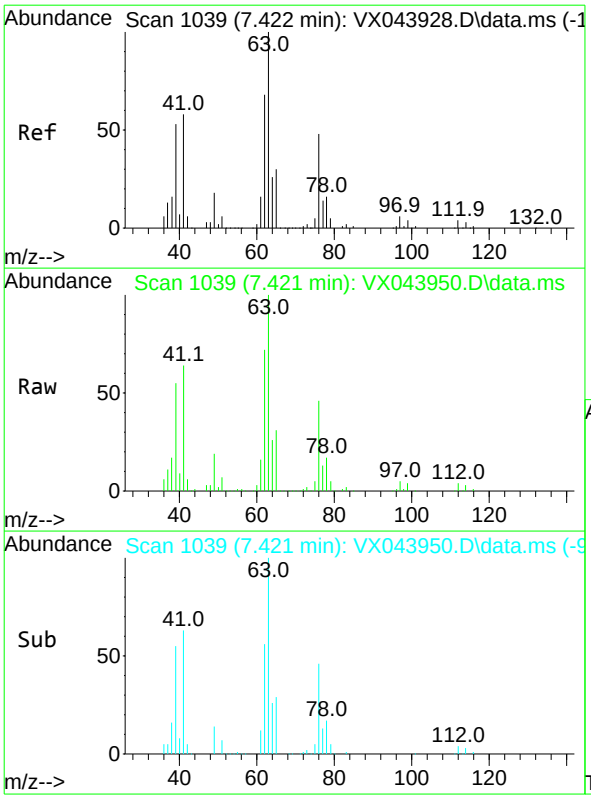


#44
Trichloroethene
Concen: 46.882 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 77355

Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	217.8

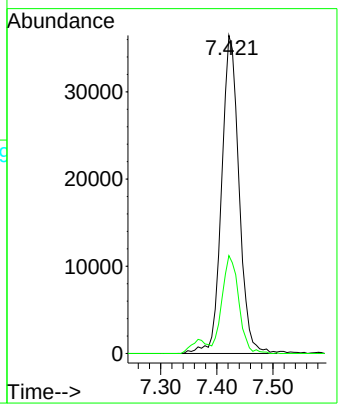




#45
1,2-Dichloropropane
Concen: 55.044 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 78579

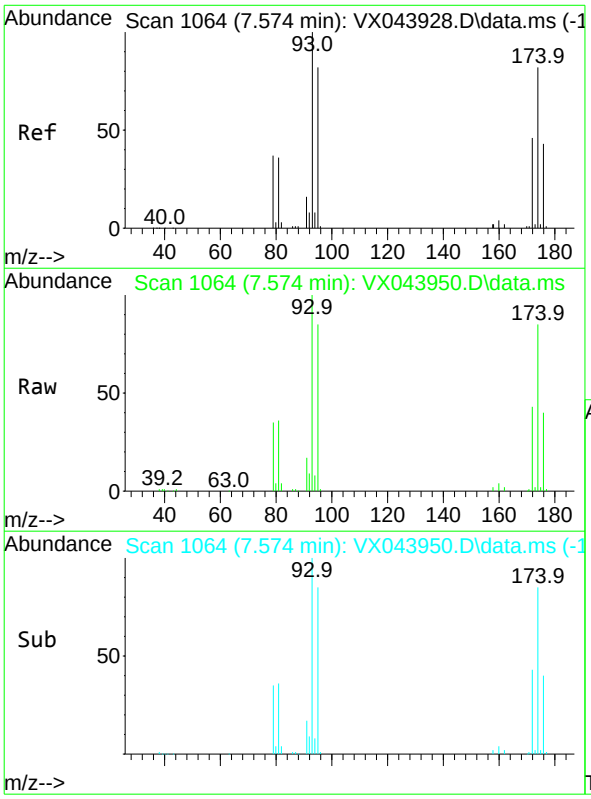
Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

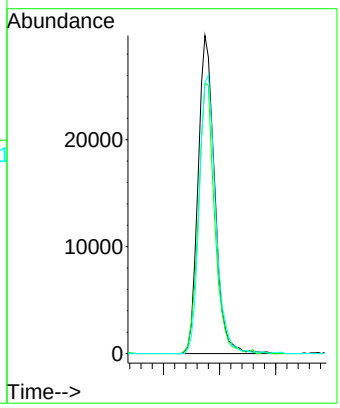
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

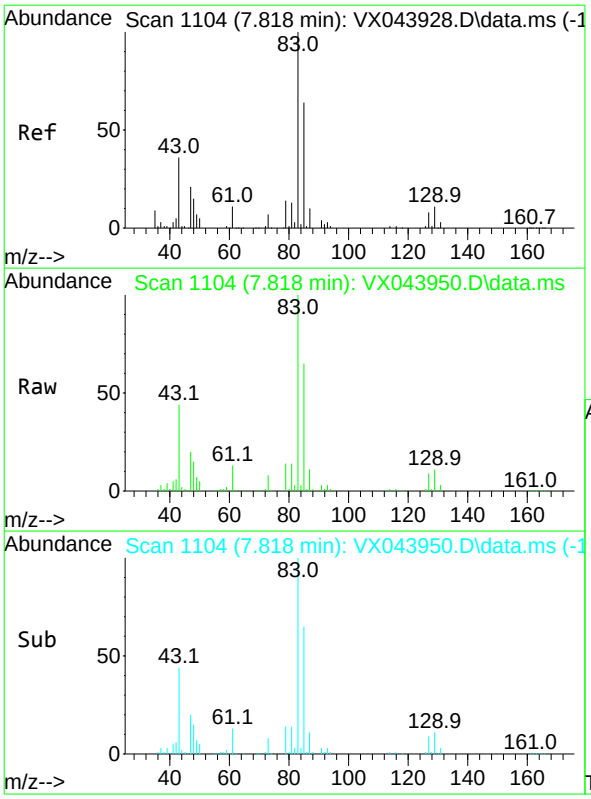


#46
Dibromomethane
Concen: 53.916 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 60885

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	87.1	69.6	104.4

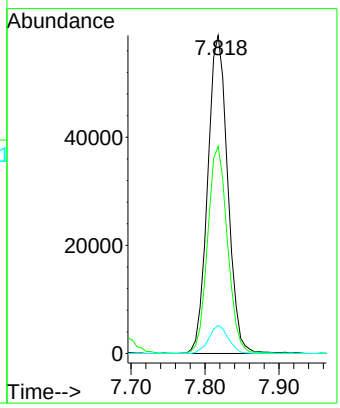




#47
Bromodichloromethane
Concen: 54.645 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 110672

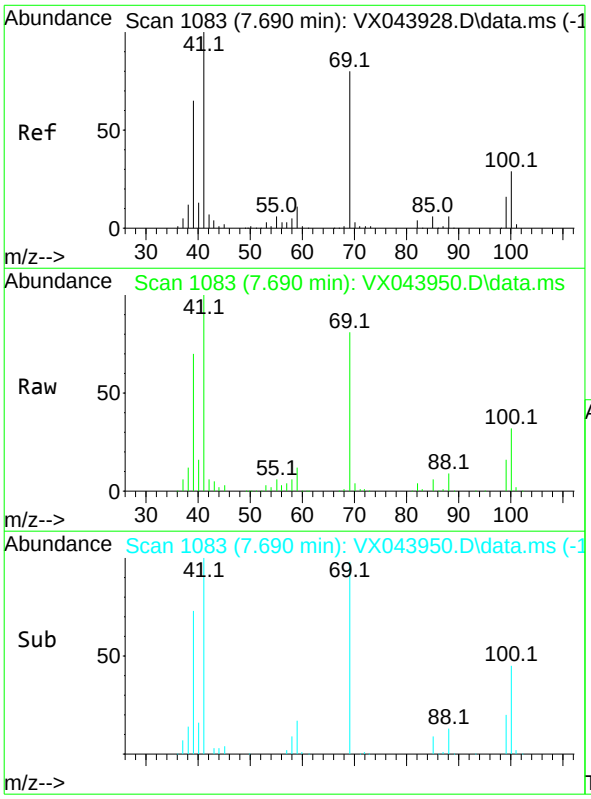
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.0
127	8.8	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

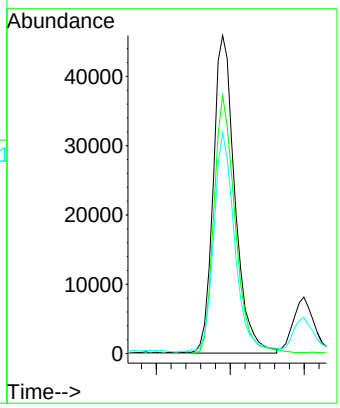
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

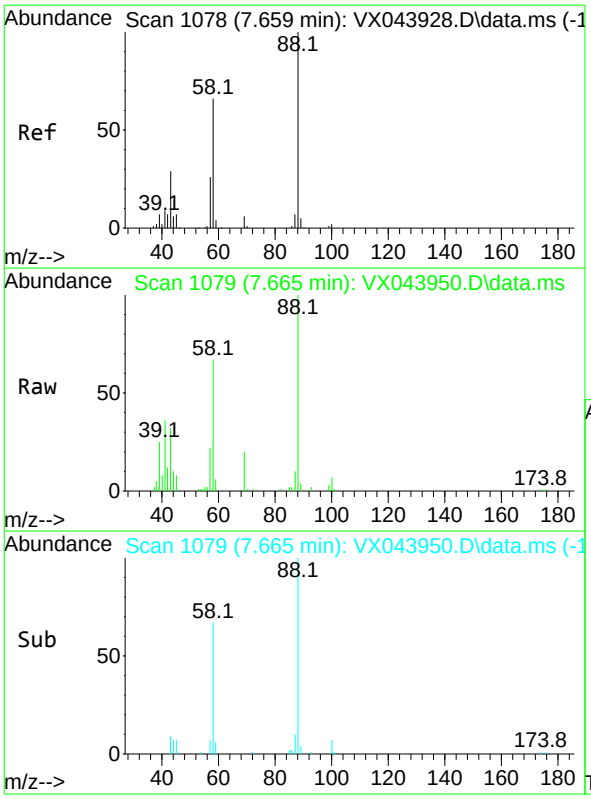


#48
Methyl methacrylate
Concen: 52.453 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037

Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.6	97.0
39	66.9	53.3	79.9





#49
1,4-Dioxane
Concen: 956.809 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

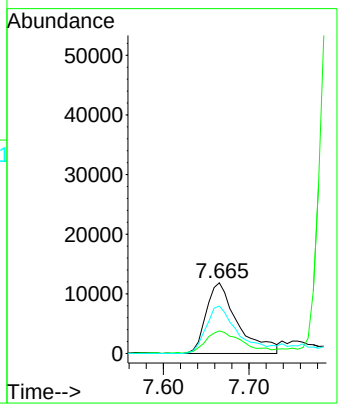
Tgt Ion: 88 Resp: 30231

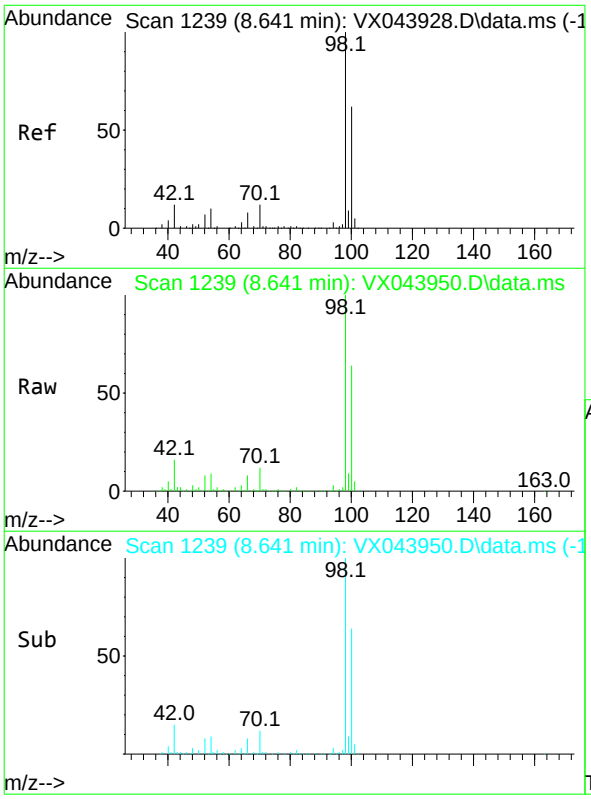
Ion	Ratio	Lower	Upper
88	100		
43	37.9	26.8	40.2
58	66.2	45.4	68.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

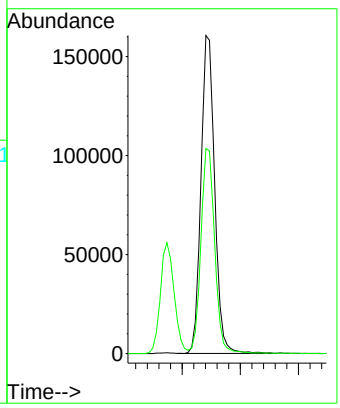


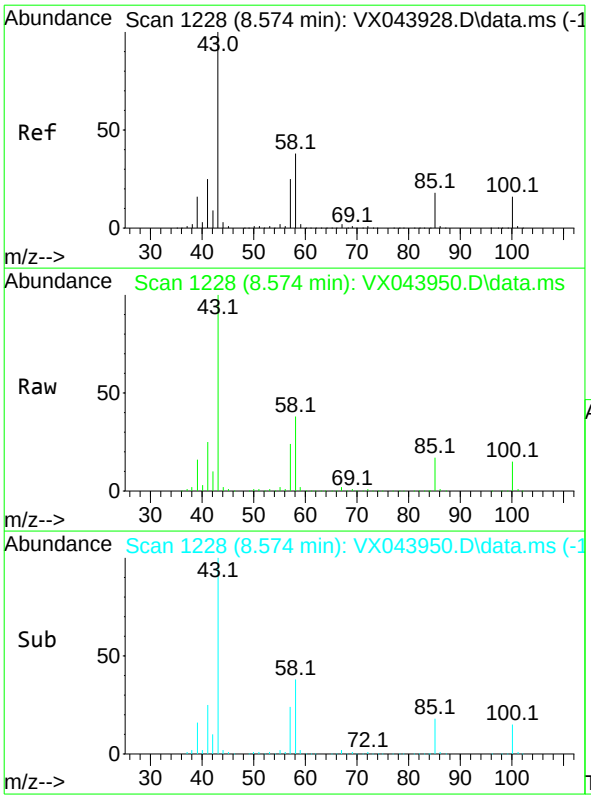


#50
Toluene-d8
Concen: 50.769 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 262790

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

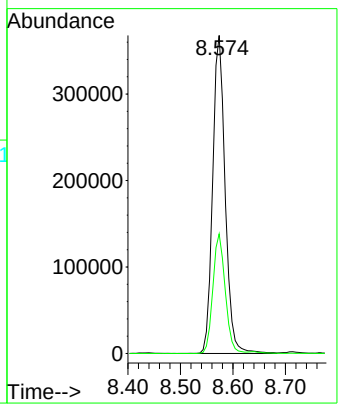




#51
4-Methyl-2-Pentanone
Concen: 269.433 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 607788

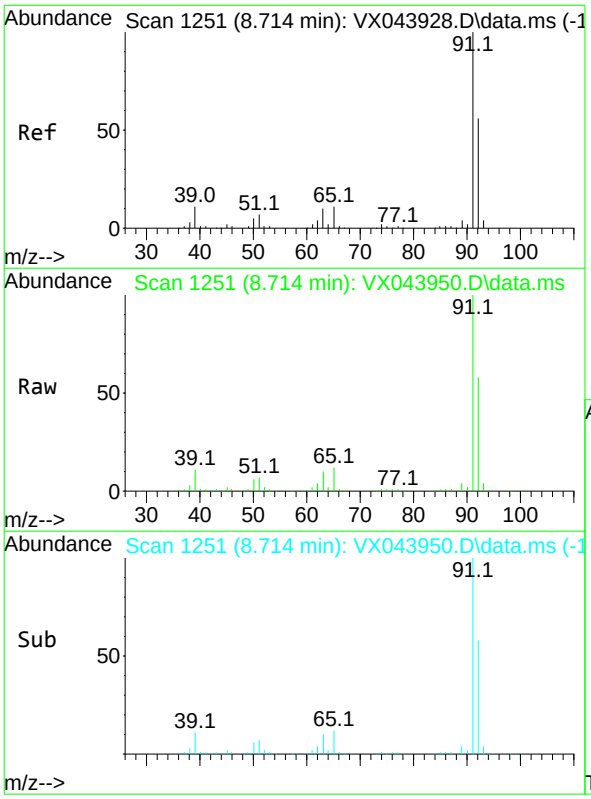
Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

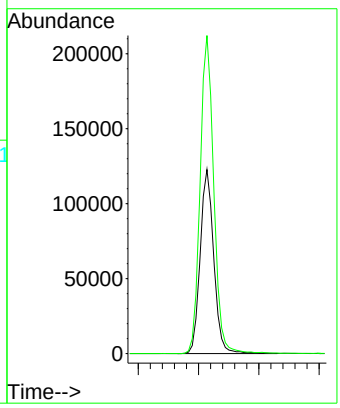
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

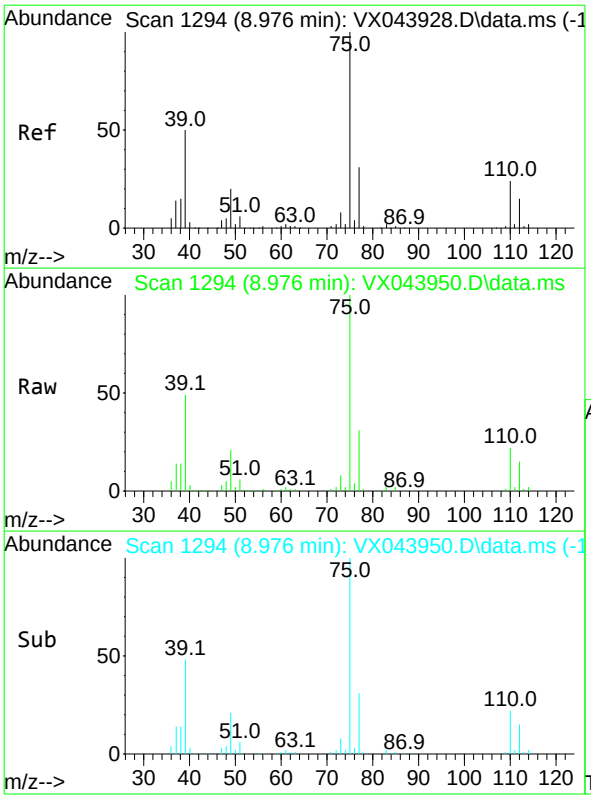


#52
Toluene
Concen: 54.965 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750

Ion	Ratio	Lower	Upper
92	100		
91	174.2	139.7	209.5

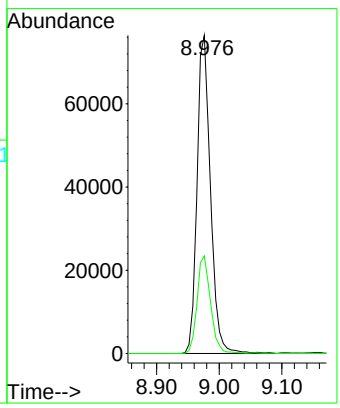




#53
t-1,3-Dichloropropene
Concen: 54.971 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 113533

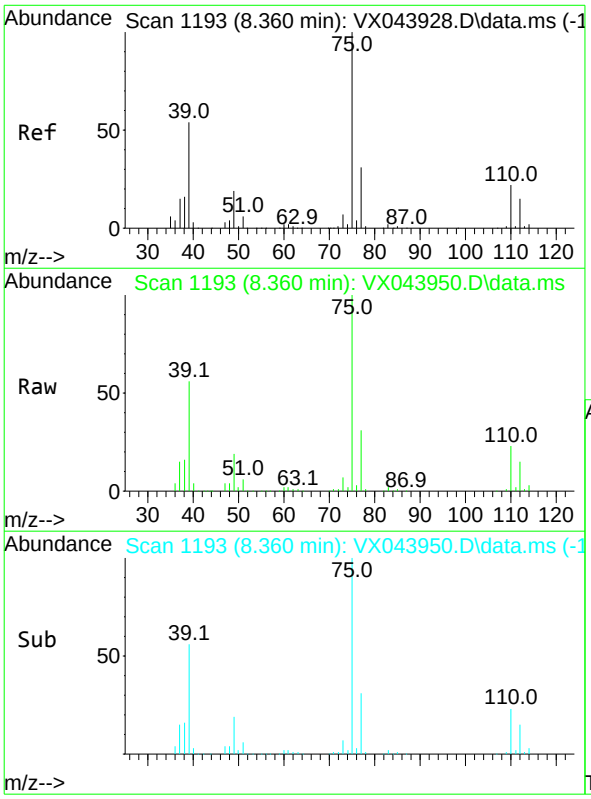
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

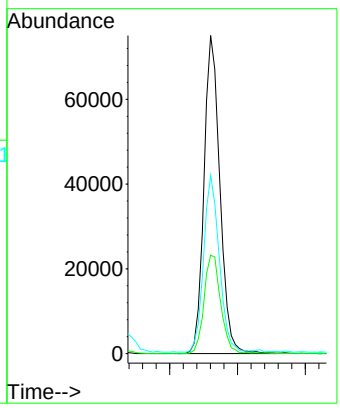
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

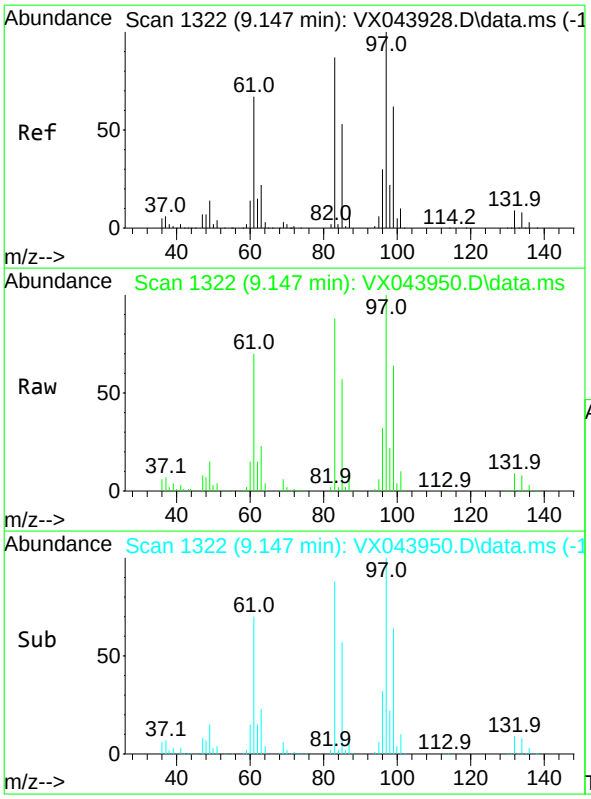


#54
cis-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 122380

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	55.6	43.1	64.7

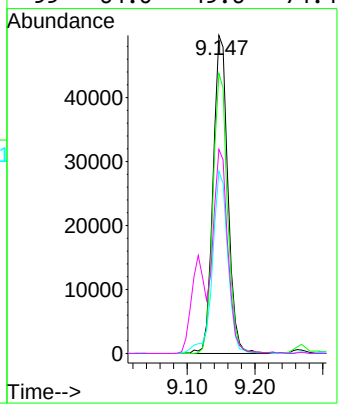




#55
1,1,2-Trichloroethane
Concen: 52.387 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 75441

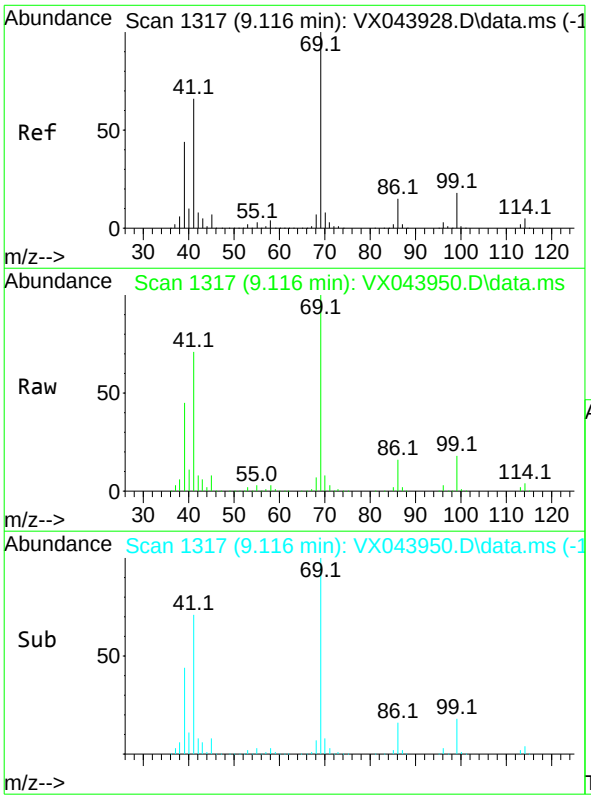
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.0
85	57.2	42.3	63.5
99	64.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

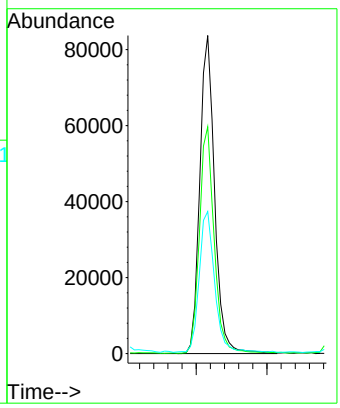
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

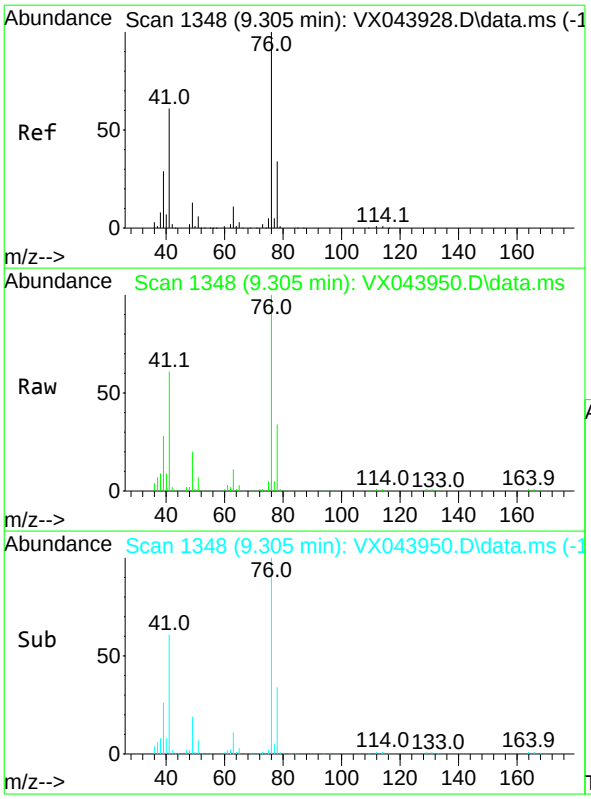


#56
Ethyl methacrylate
Concen: 54.352 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 121914

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.8
39	46.2	36.7	55.1

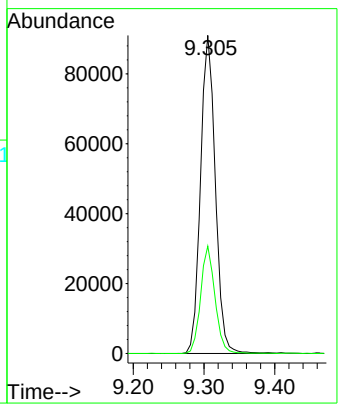




#57
1,3-Dichloropropane
Concen: 54.563 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 132364

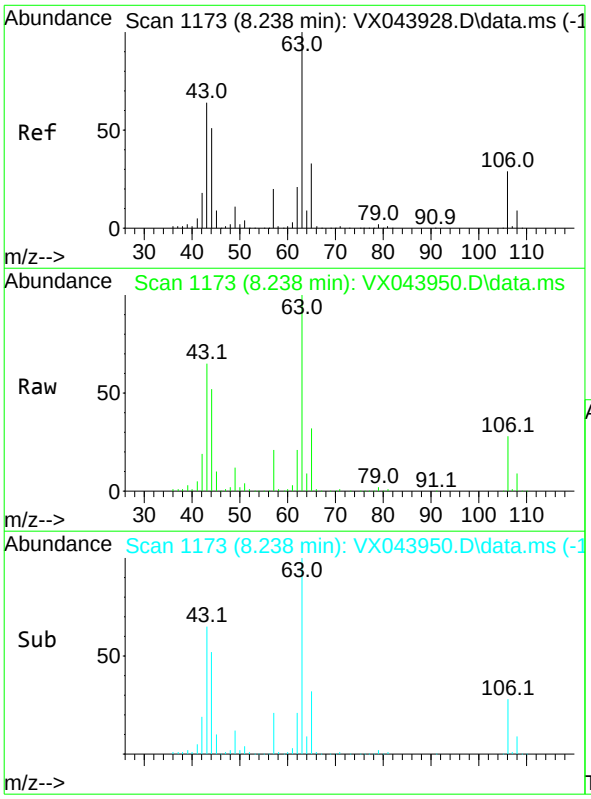
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

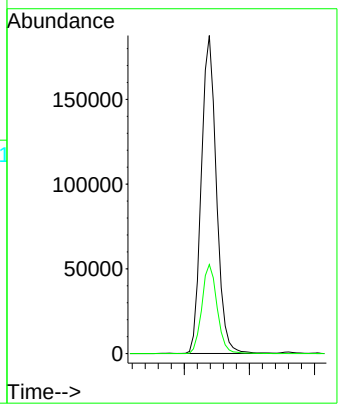
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

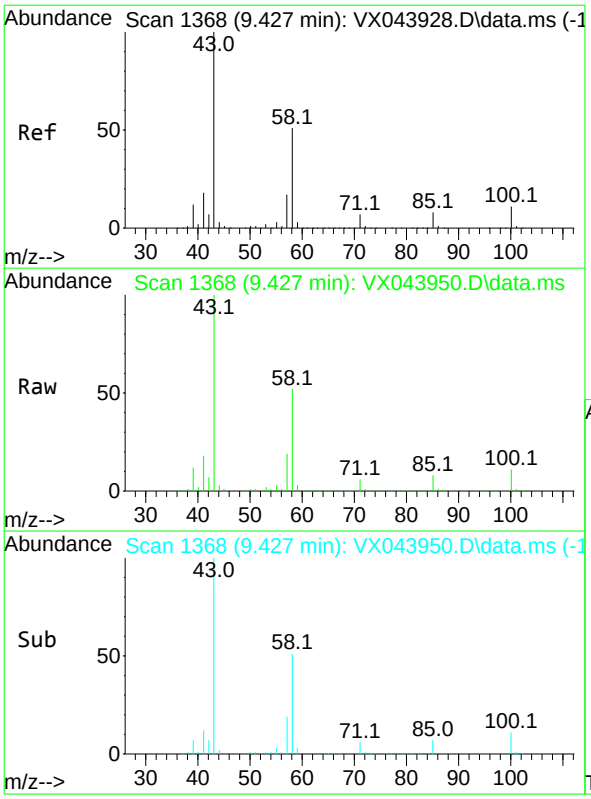


#58
2-Chloroethyl Vinyl ether
Concen: 244.819 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050

Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6

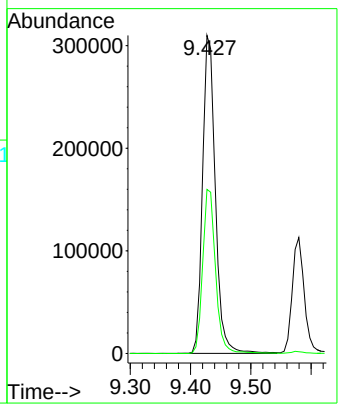




#59
2-Hexanone
Concen: 269.358 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 456702

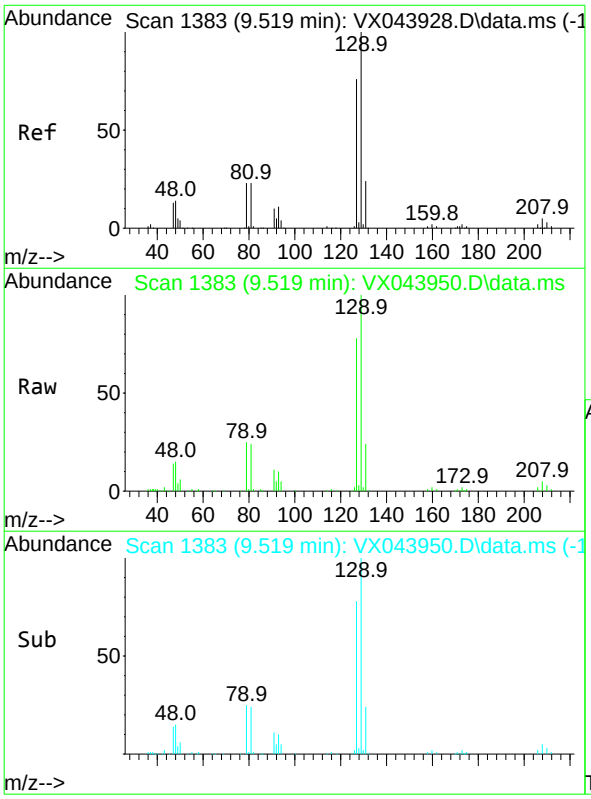
Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

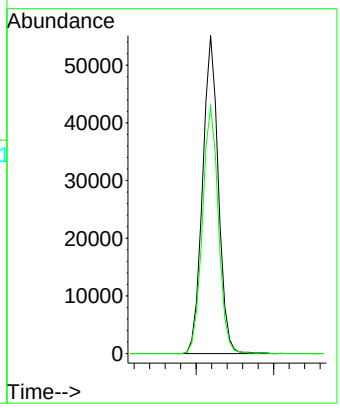
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

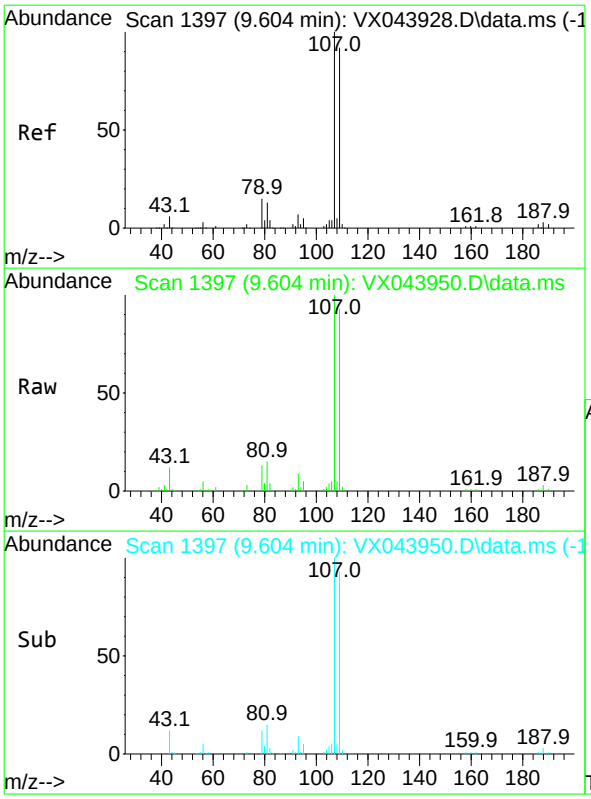


#60
Dibromochloromethane
Concen: 53.853 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 77811

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.2	114.6

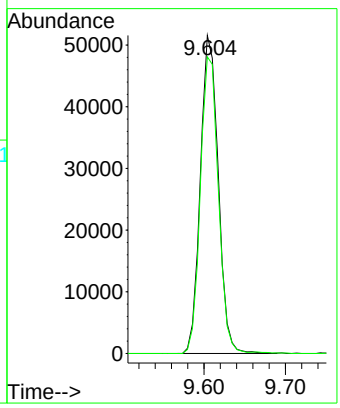




#61
1,2-Dibromoethane
Concen: 54.040 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:107 Resp: 78690

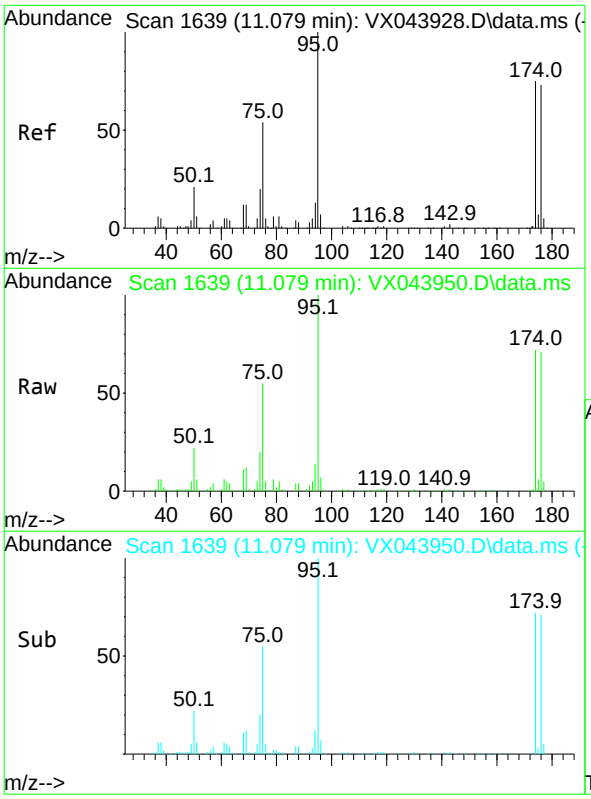
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

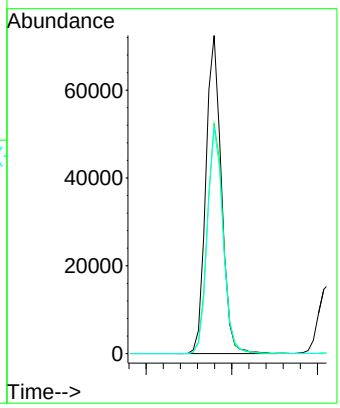
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

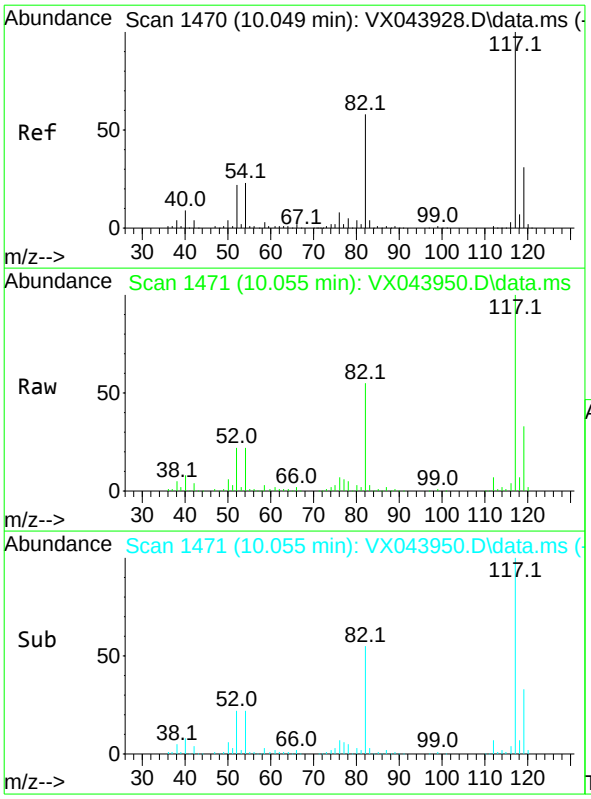


#62
4-Bromofluorobenzene
Concen: 51.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 91050

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	150.4
176	71.5	0.0	146.0

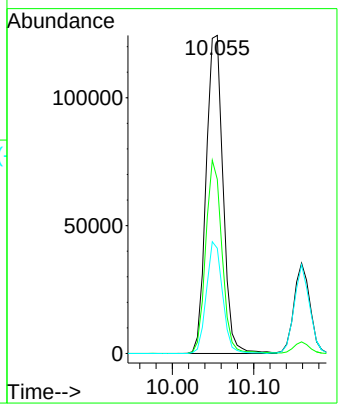




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 179277

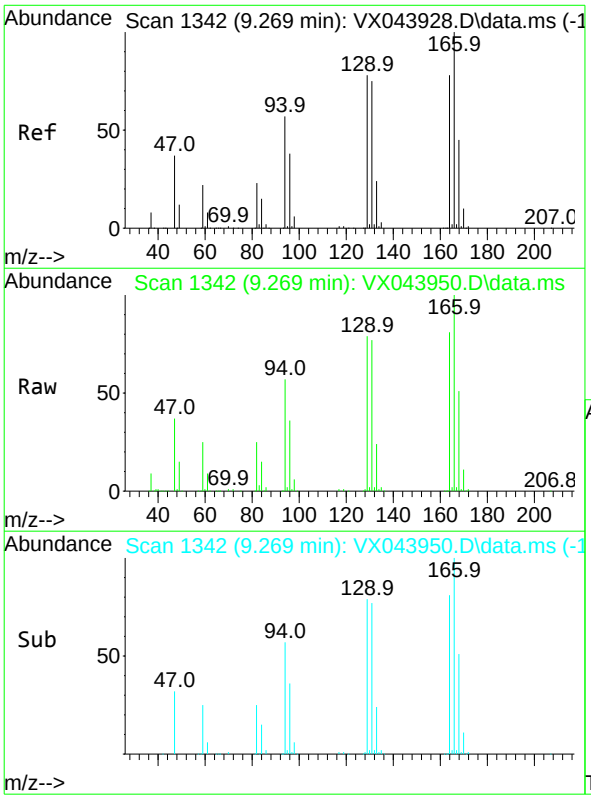
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.4	69.6
119	33.1	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

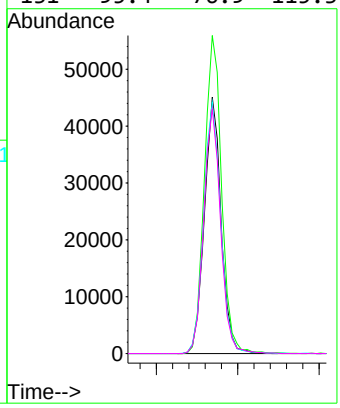
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

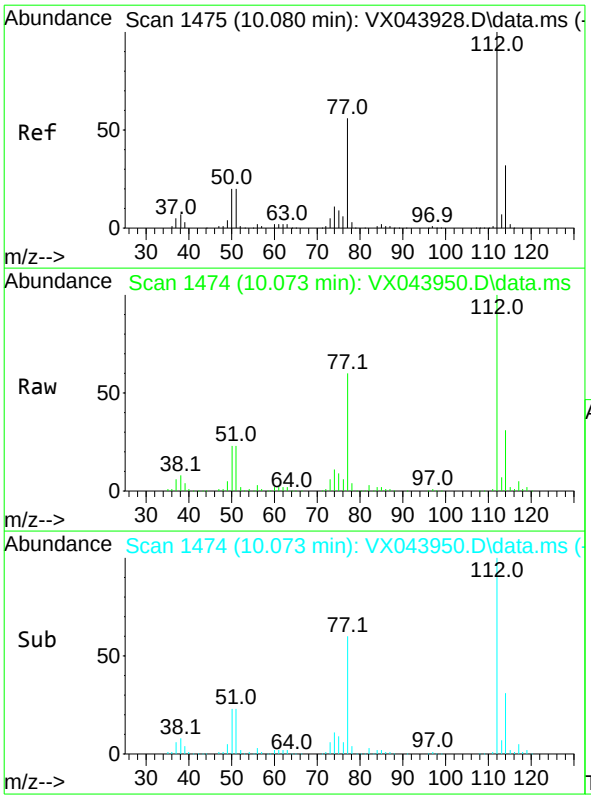


#64
Tetrachloroethene
Concen: 54.365 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 64266

Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	98.1	79.6	119.4
131	95.4	76.9	115.3

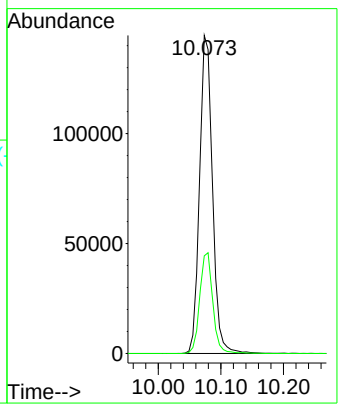




#65
Chlorobenzene
Concen: 52.640 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:112 Resp: 207265

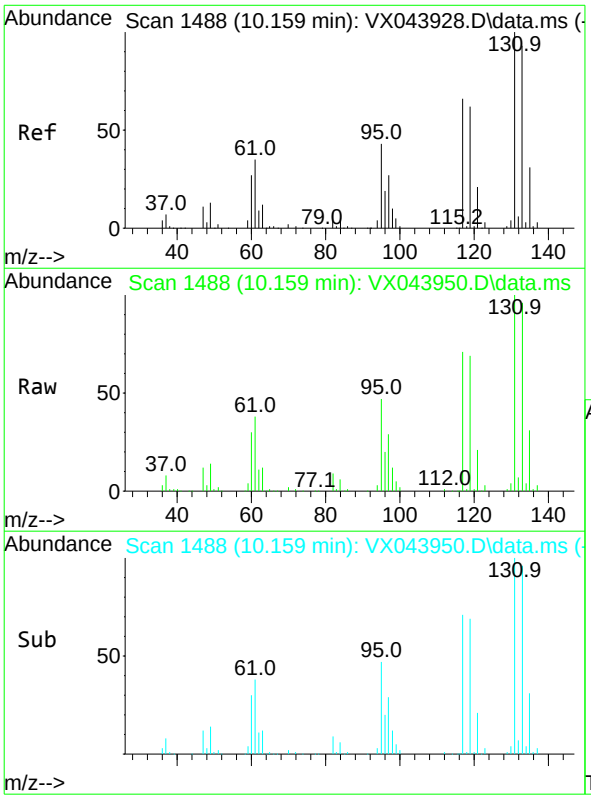
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

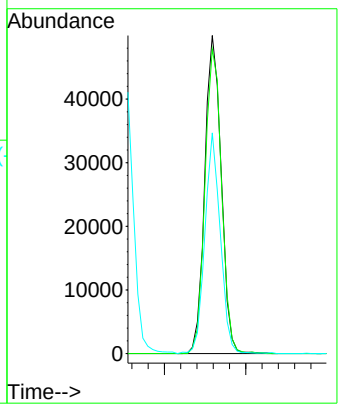
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

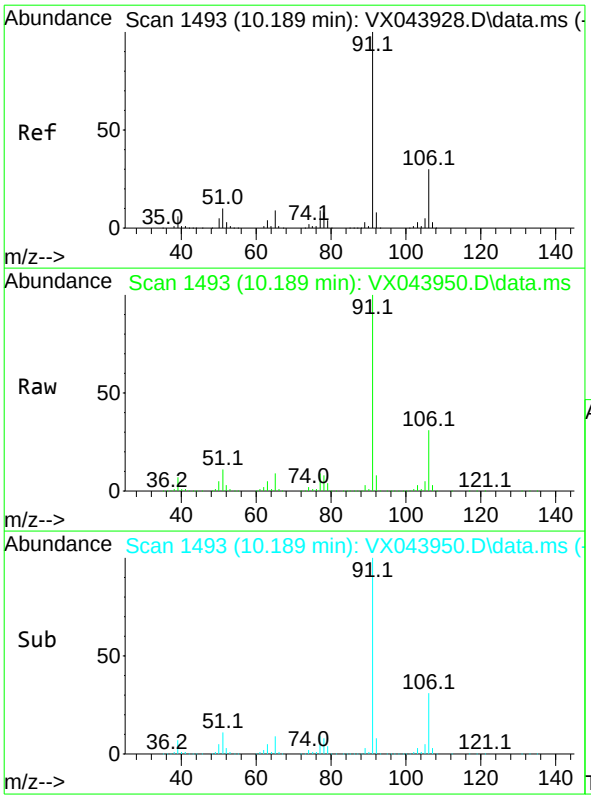


#66
1,1,1,2-Tetrachloroethane
Concen: 54.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 70047

Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.2	144.6
119	65.1	31.5	94.5





#67
Ethyl Benzene
Concen: 55.362 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

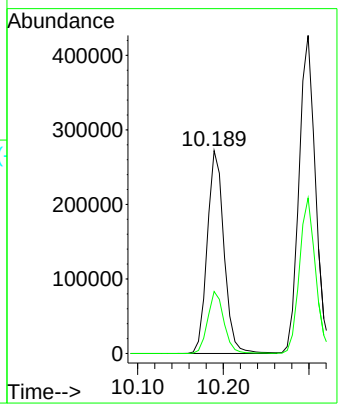
Tgt Ion: 91 Resp: 369374

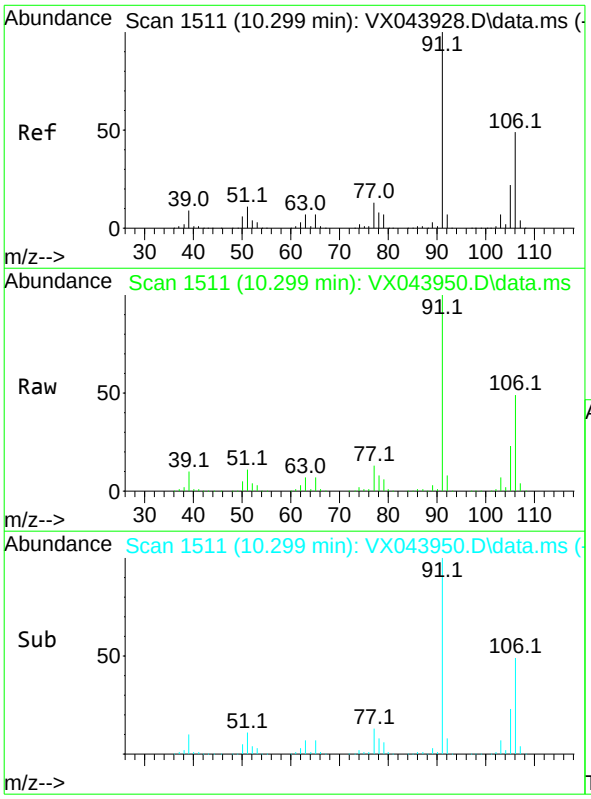
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

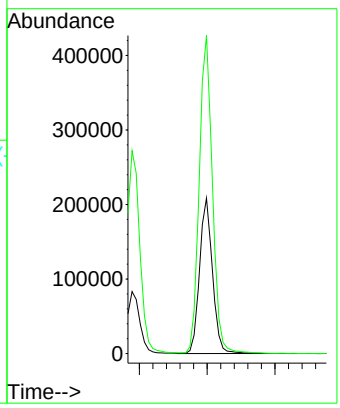


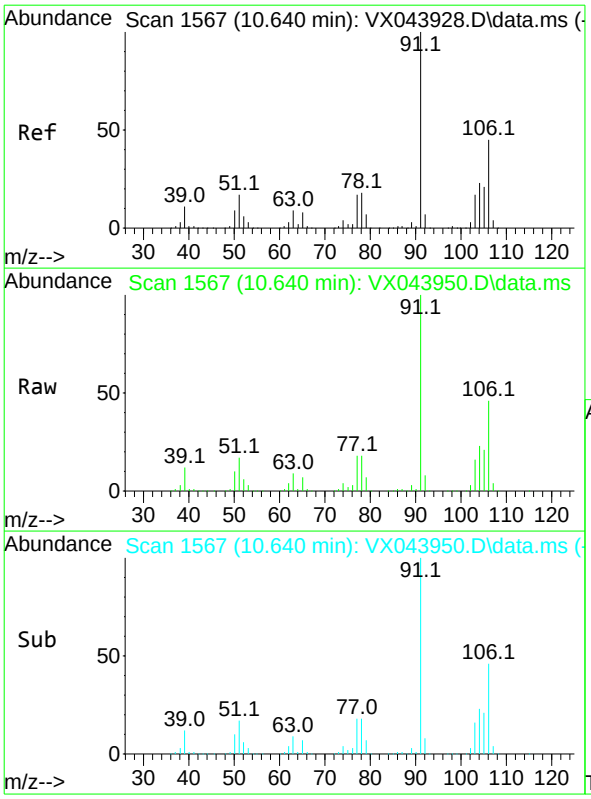


#68
m/p-Xylenes
Concen: 110.758 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 275579

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.1	252.1

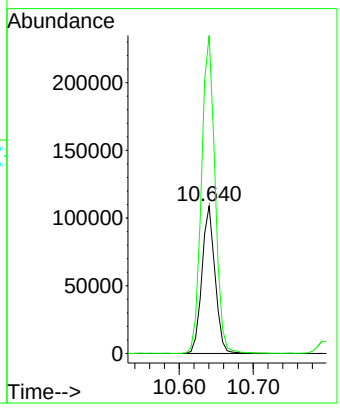




#69
o-Xylene
Concen: 55.187 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 134066

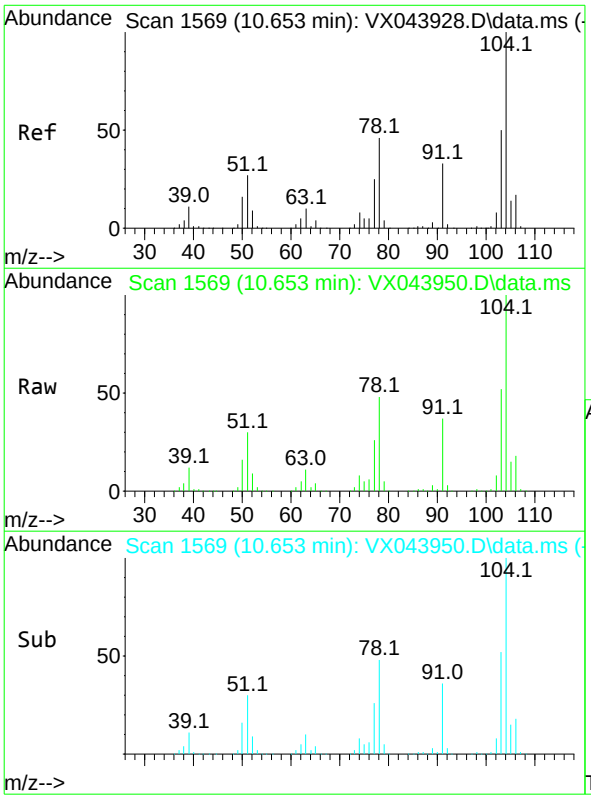
Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

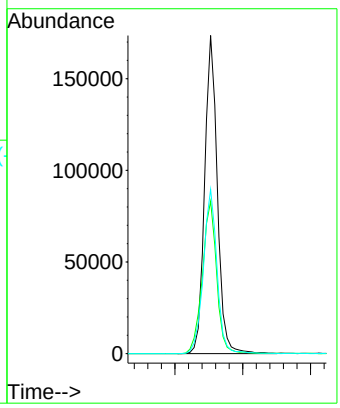
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

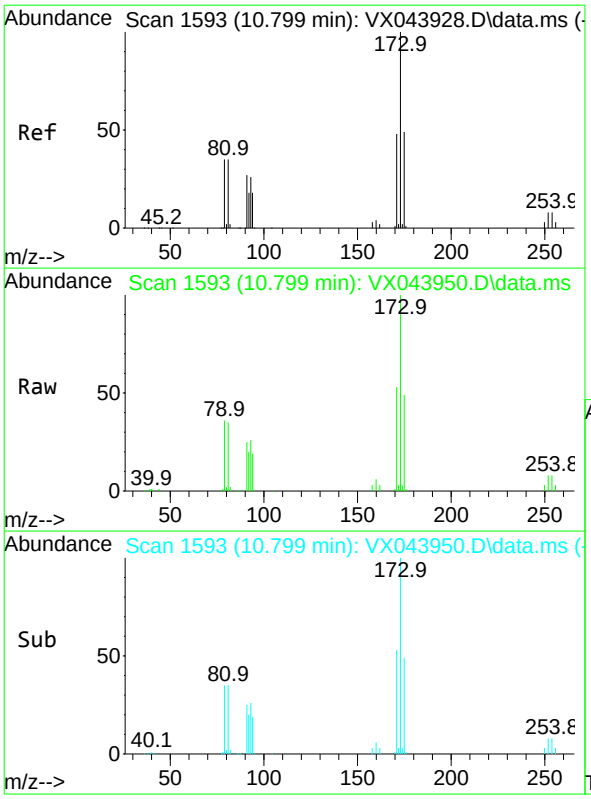


#70
Styrene
Concen: 56.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 225568

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	55.5	44.7	67.1

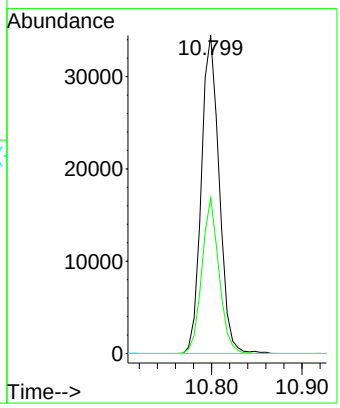




#71
Bromoform
Concen: 48.773 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:173 Resp: 47233

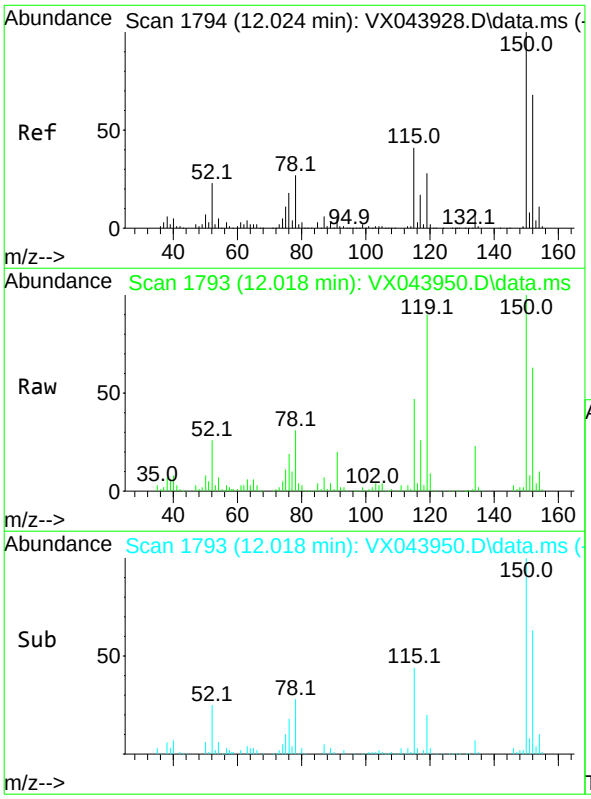
Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

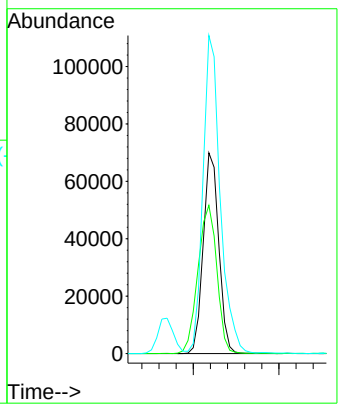
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

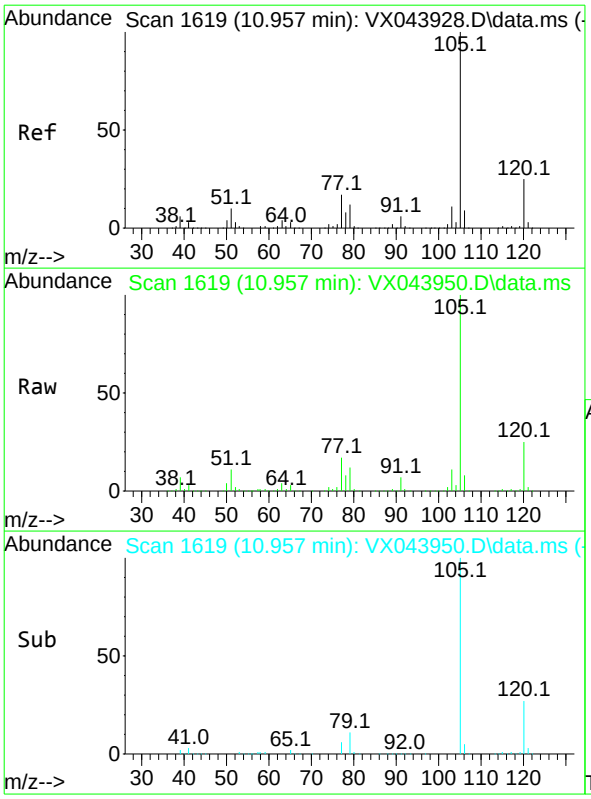


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 88069

Ion	Ratio	Lower	Upper
152	100		
115	90.2	45.4	136.2
150	176.2	0.0	353.0

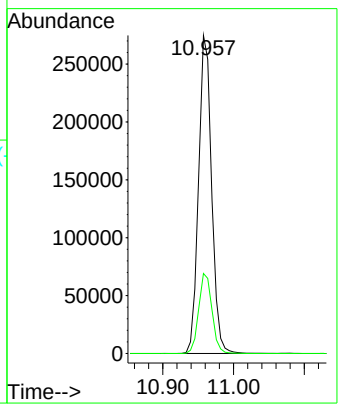




#73
Isopropylbenzene
Concen: 52.039 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 352296

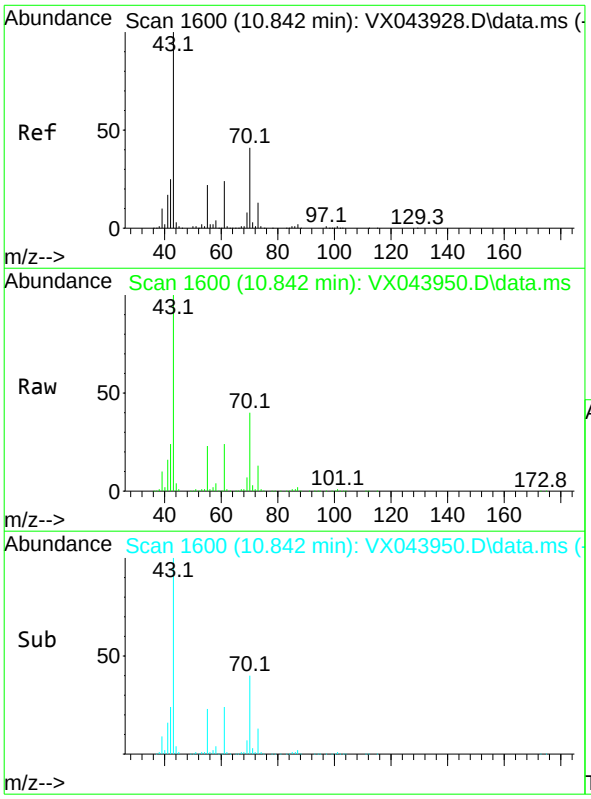
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

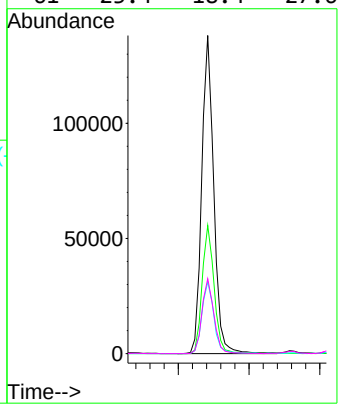
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

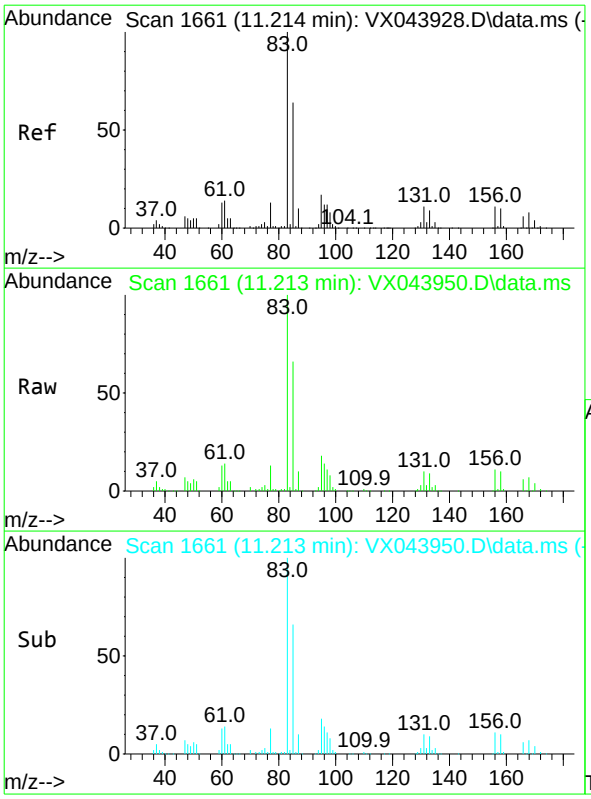


#74
N-amyl acetate
Concen: 51.973 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	22.6	18.1	27.1
61	23.4	18.4	27.6

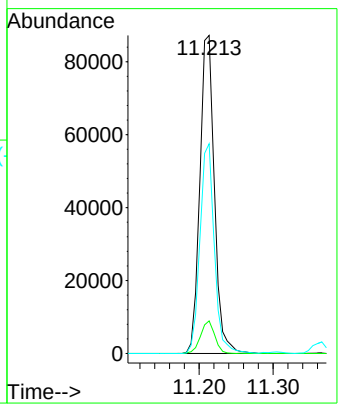




#75
1,1,2,2-Tetrachloroethane
Concen: 51.403 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 119153

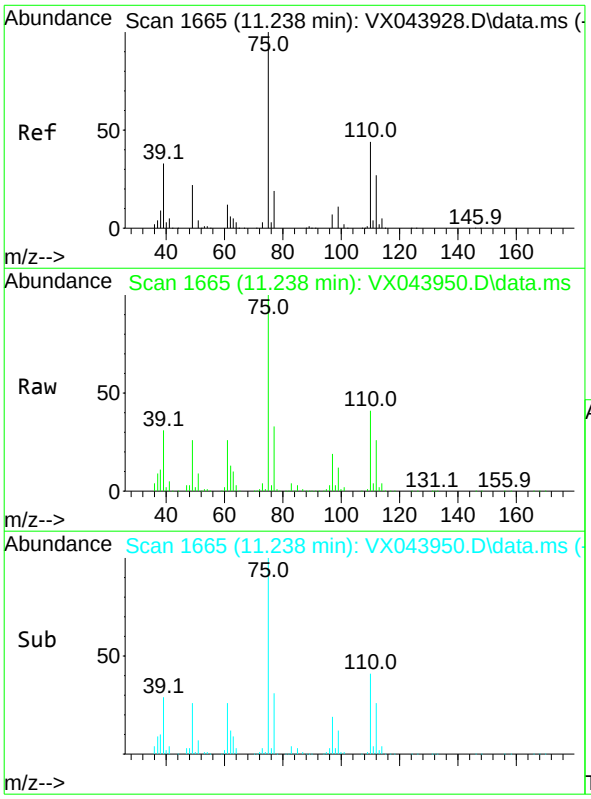
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	65.2	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

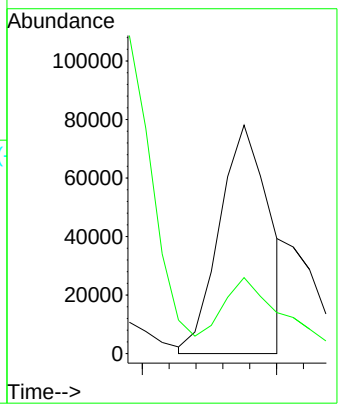
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

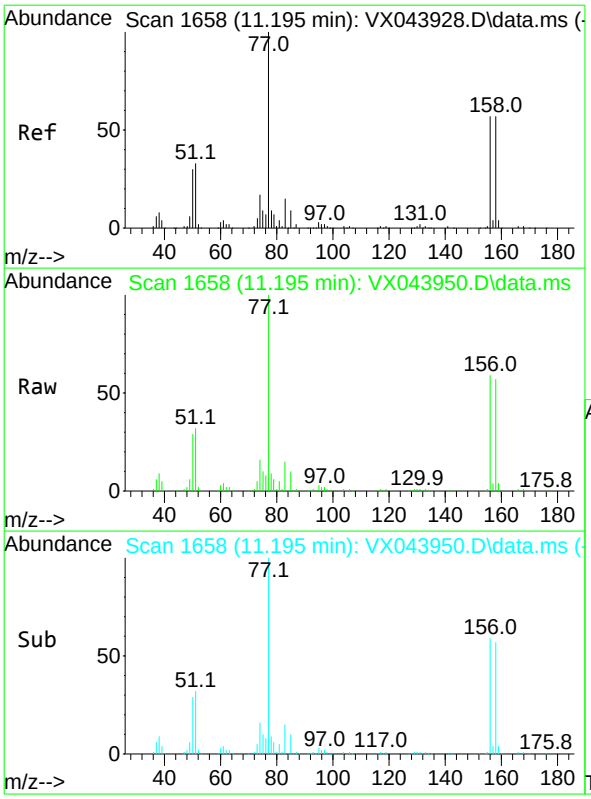


#76
1,2,3-Trichloropropane
Concen: 51.893 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 100223

Ion	Ratio	Lower	Upper
75	100		
77	42.0	21.8	65.3

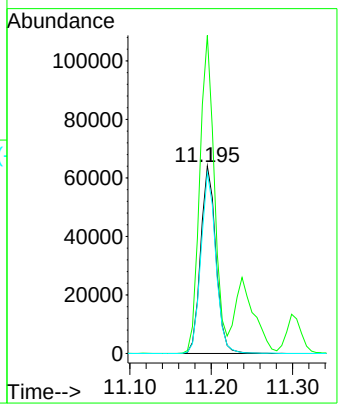




#77
Bromobenzene
Concen: 51.338 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:156 Resp: 82907

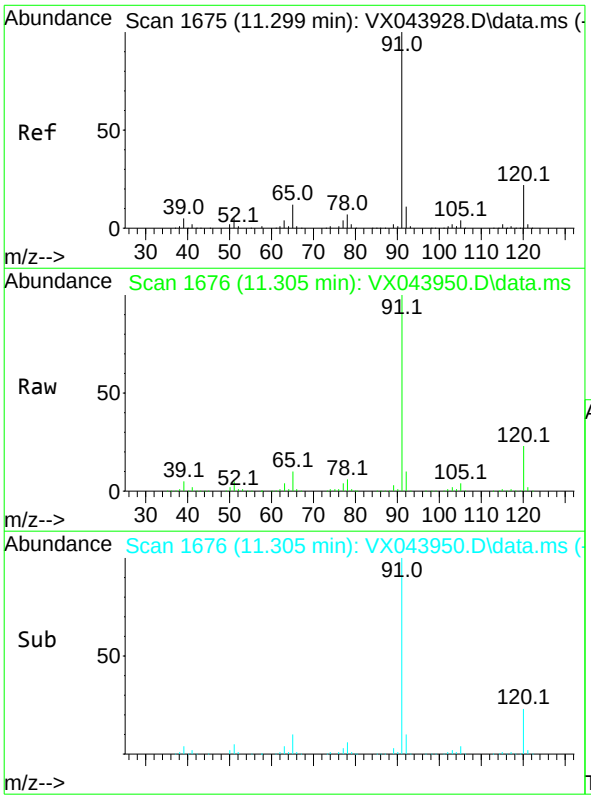
Ion	Ratio	Lower	Upper
156	100		
77	164.1	83.4	250.1
158	94.8	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

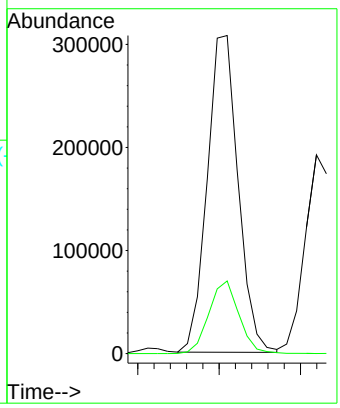
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

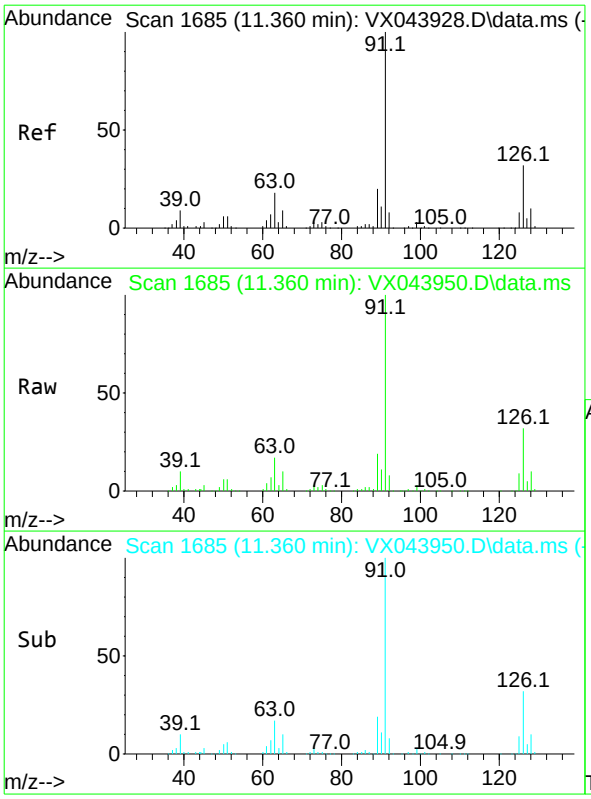


#78
n-propylbenzene
Concen: 53.765 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 406514

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4

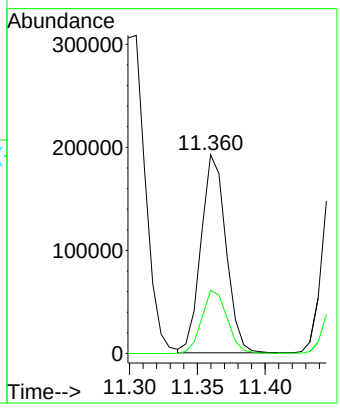




#79
2-Chlorotoluene
Concen: 51.573 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 246574

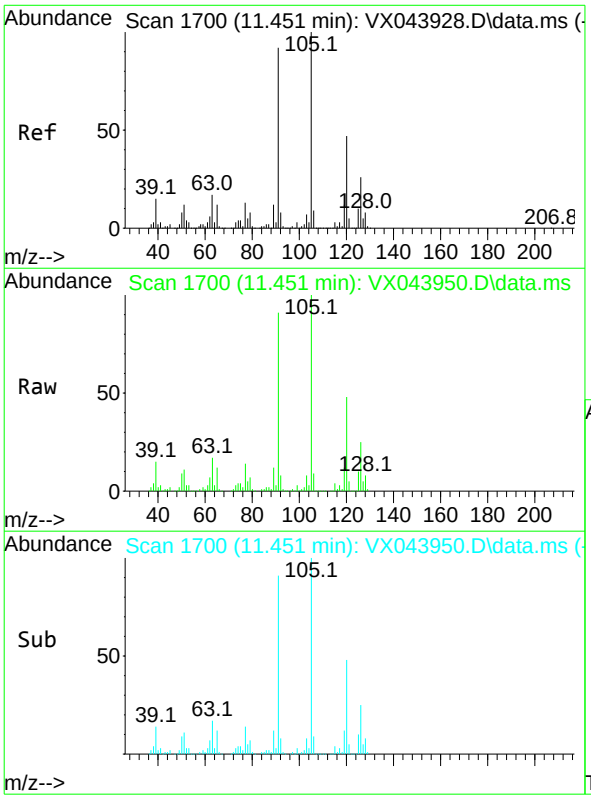
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

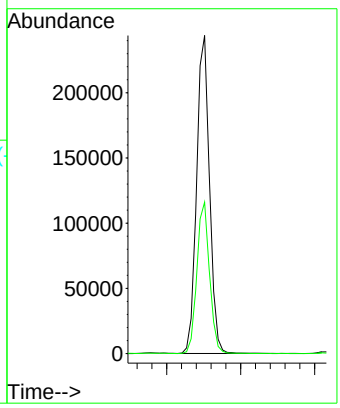
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

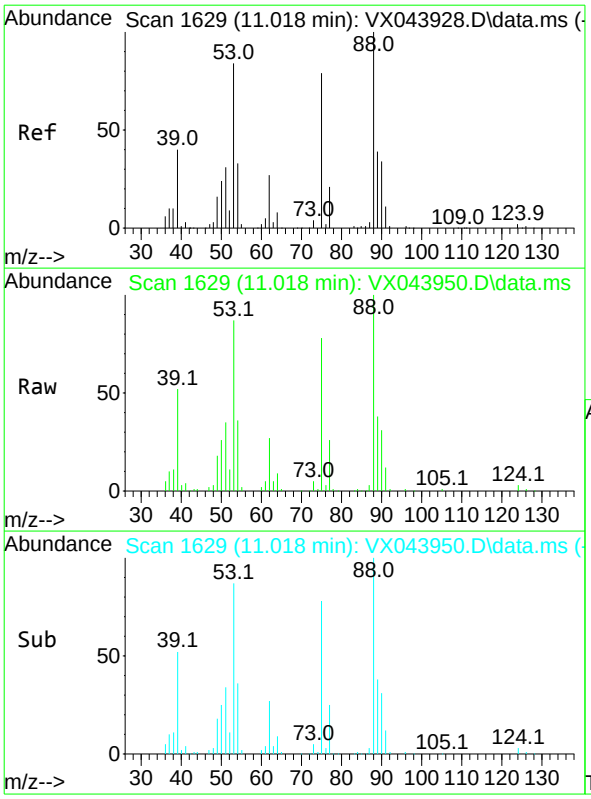


#80
1,3,5-Trimethylbenzene
Concen: 52.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 295006

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8

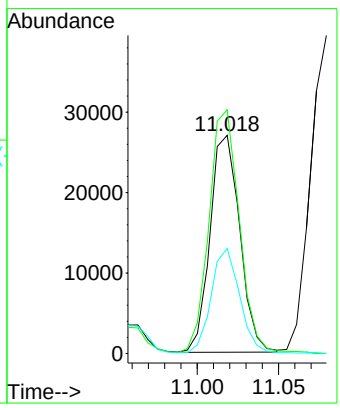




#81
trans-1,4-Dichloro-2-butene
Concen: 48.492 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 34321

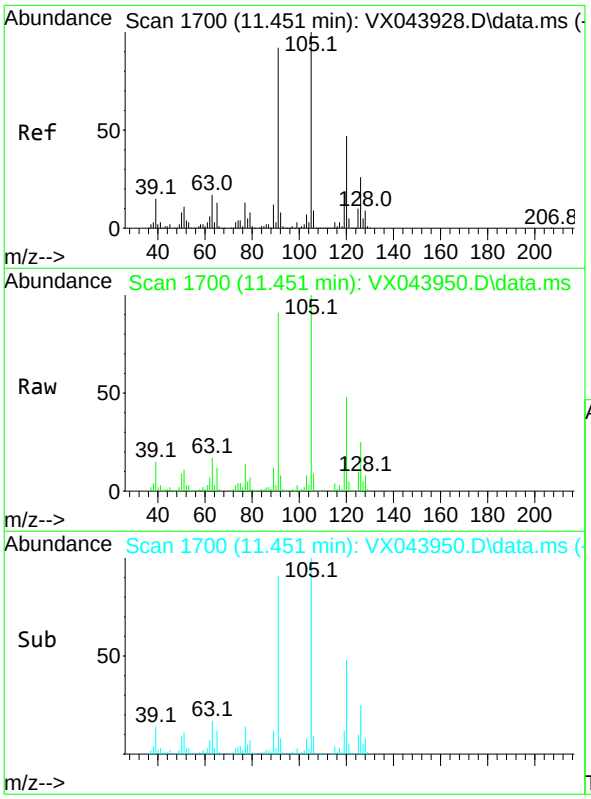
Ion	Ratio	Lower	Upper
75	100		
53	115.3	86.7	130.1
89	46.8	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

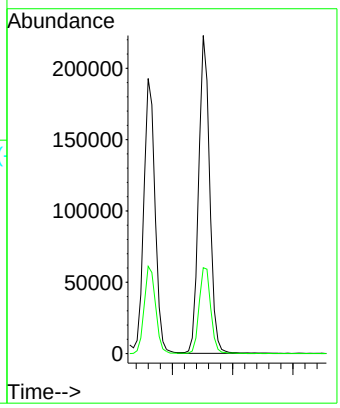
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

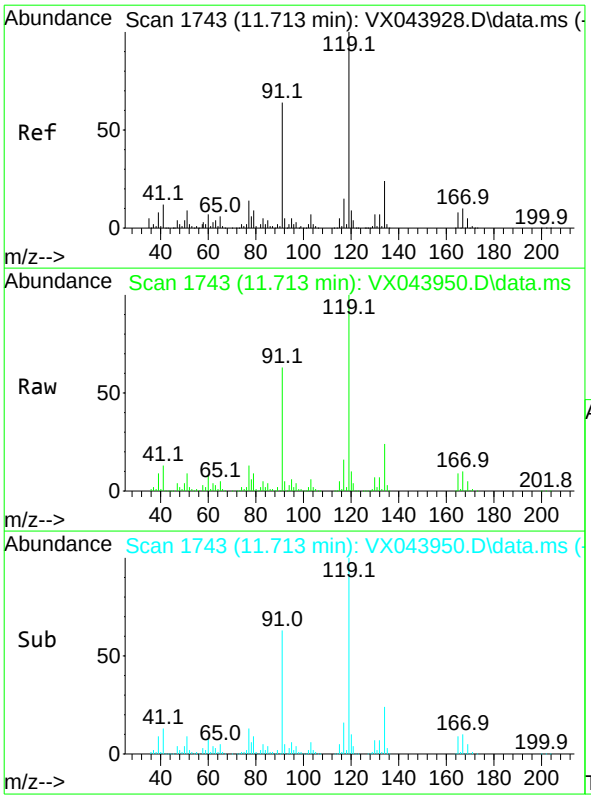


#82
4-Chlorotoluene
Concen: 52.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 281758

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9

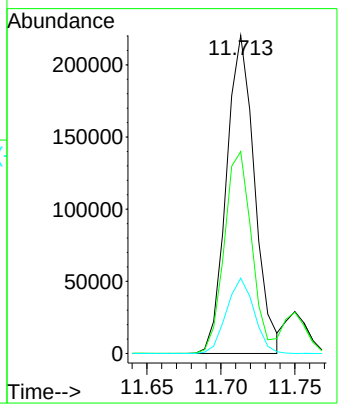




#83
tert-Butylbenzene
Concen: 52.754 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 291225

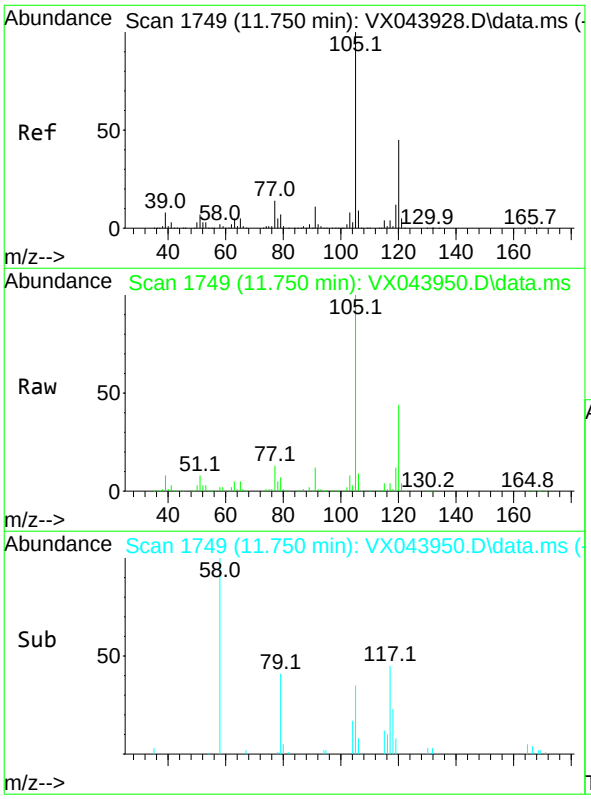
Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.0	93.0
134	23.2	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

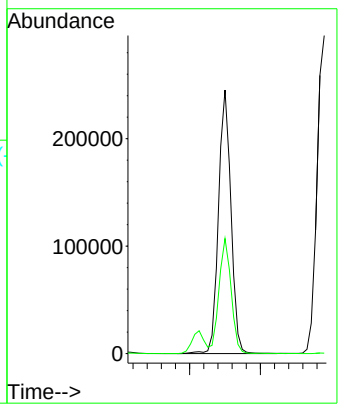
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

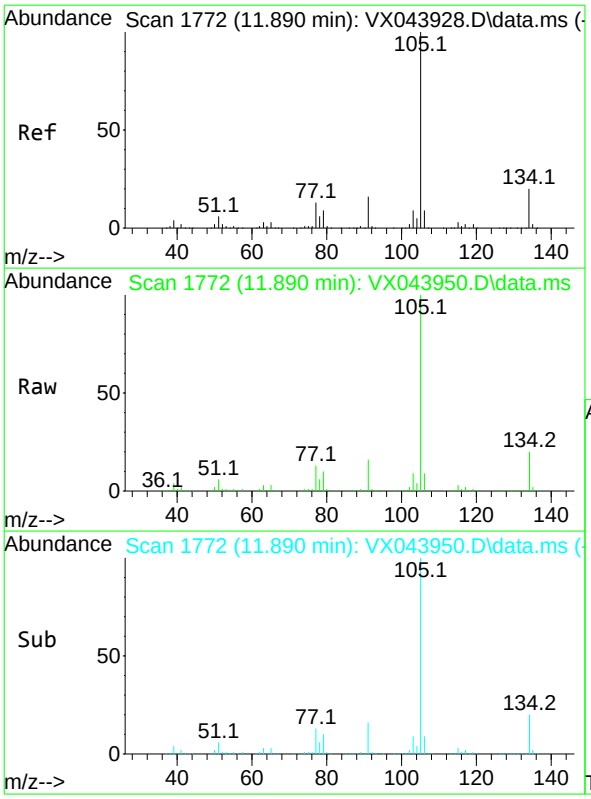


#84
1,2,4-Trimethylbenzene
Concen: 53.956 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 299186

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7

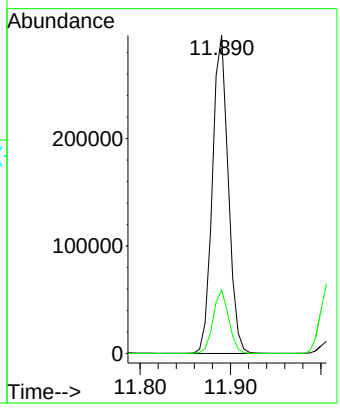




#85
sec-Butylbenzene
Concen: 53.293 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 360460

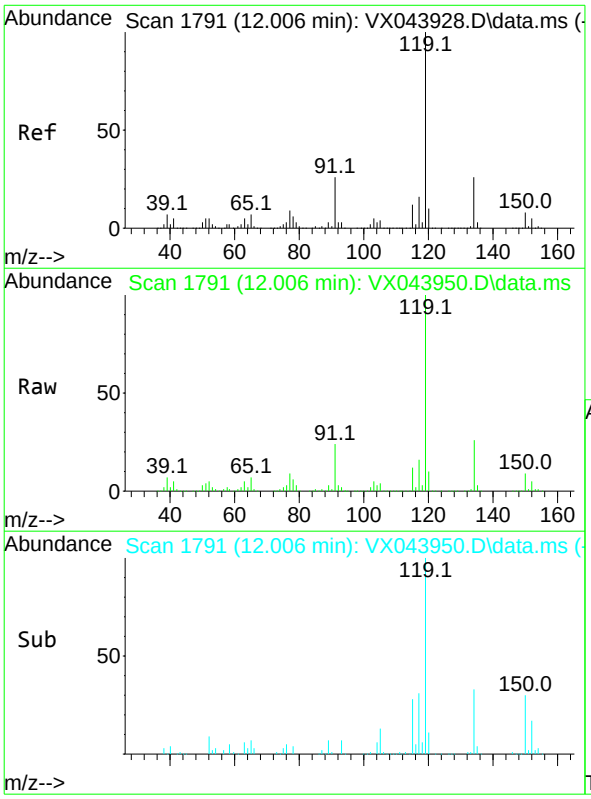
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

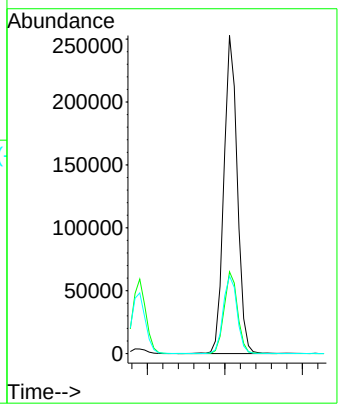
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

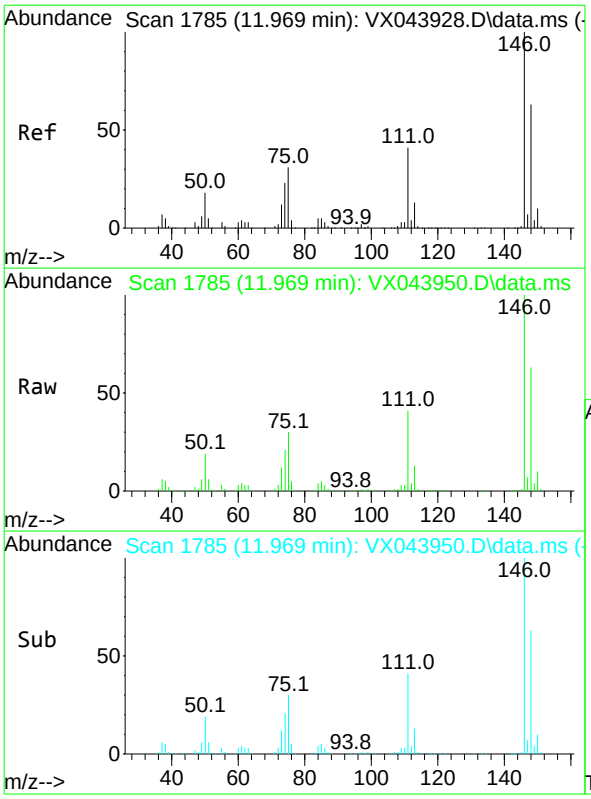


#86
p-Isopropyltoluene
Concen: 55.361 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 304159

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	25.3	13.0	38.9

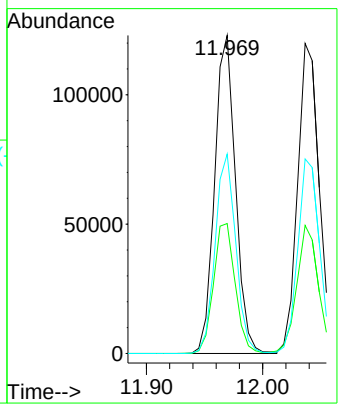




#87
1,3-Dichlorobenzene
Concen: 52.089 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 153209

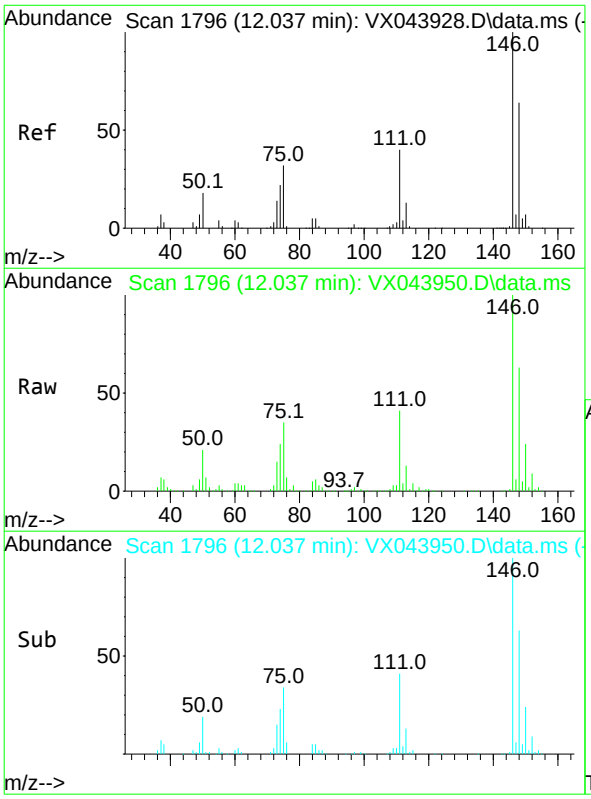
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	62.2	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

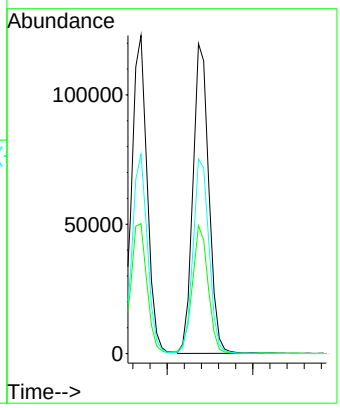
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

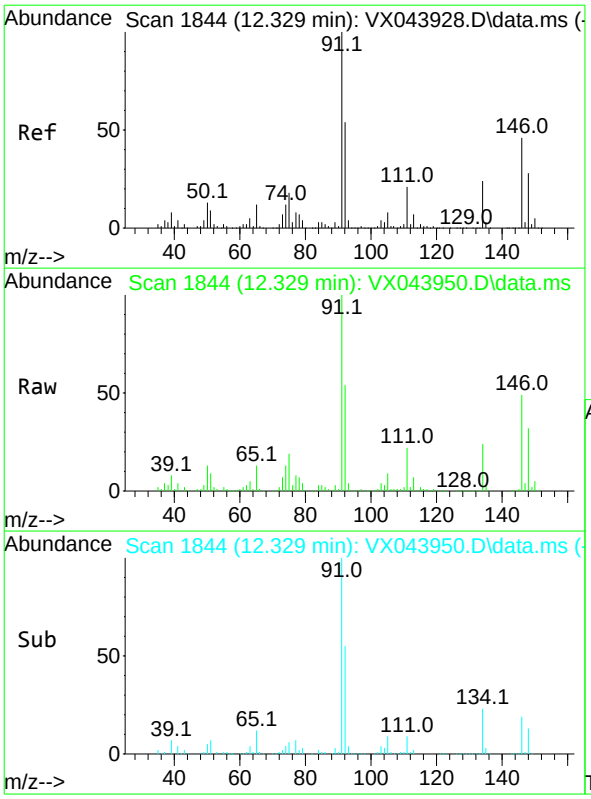


#88
1,4-Dichlorobenzene
Concen: 51.511 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 154469

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.3
148	63.4	30.9	92.8





#89
n-Butylbenzene
Concen: 55.414 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

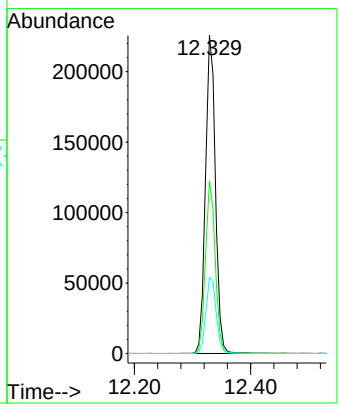
Tgt Ion: 91 Resp: 268422

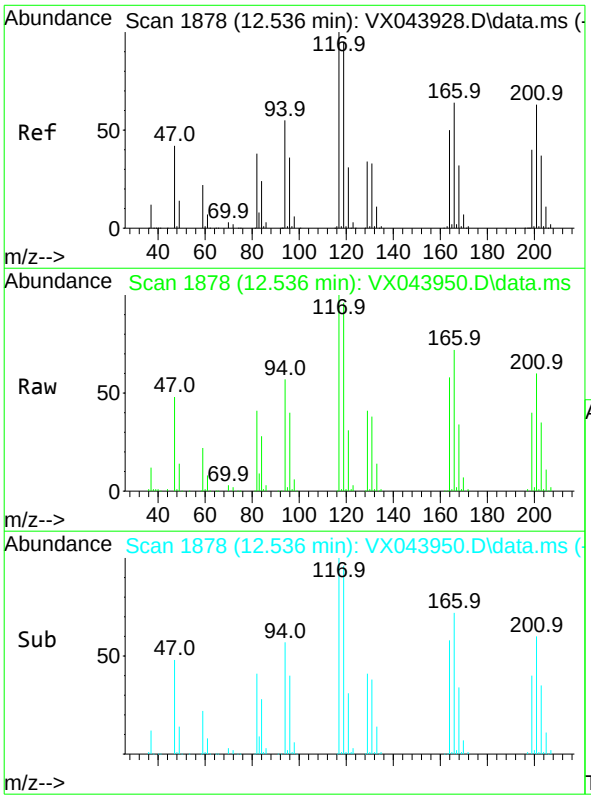
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	24.8	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

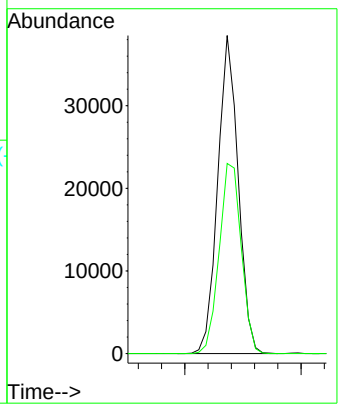


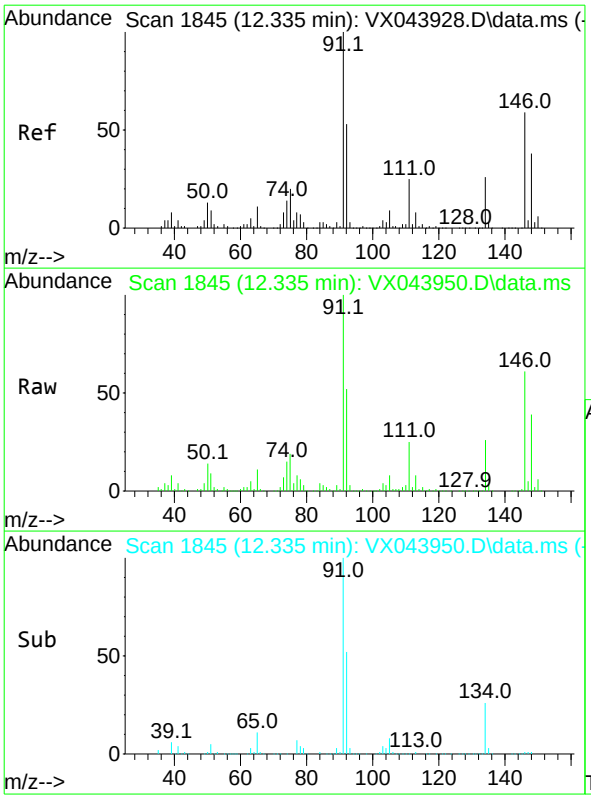


#90
Hexachloroethane
Concen: 50.336 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 47025

Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.4	97.0

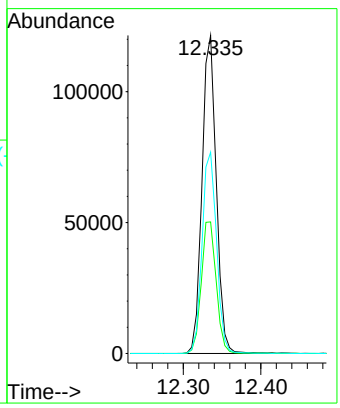




#91
1,2-Dichlorobenzene
Concen: 52.281 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 155184

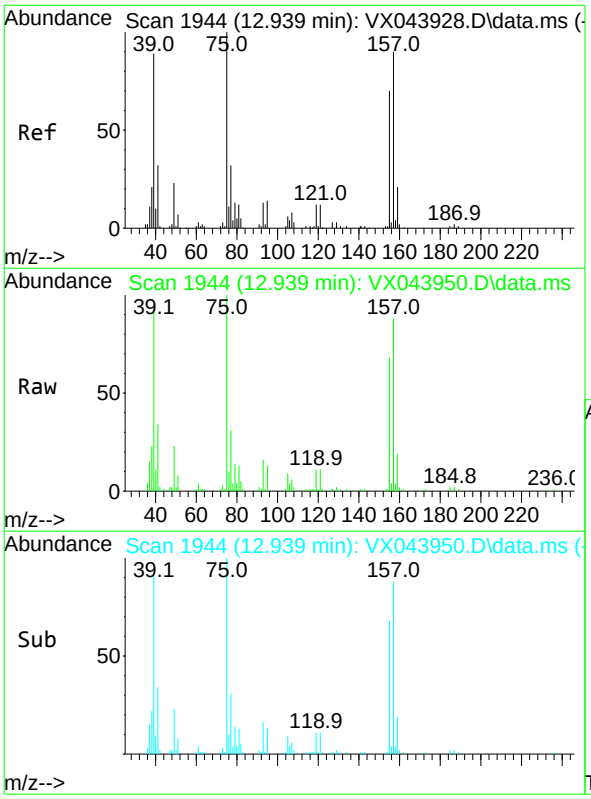
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

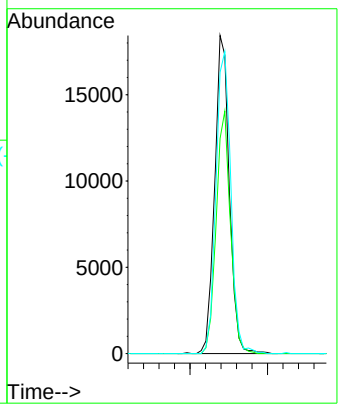
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

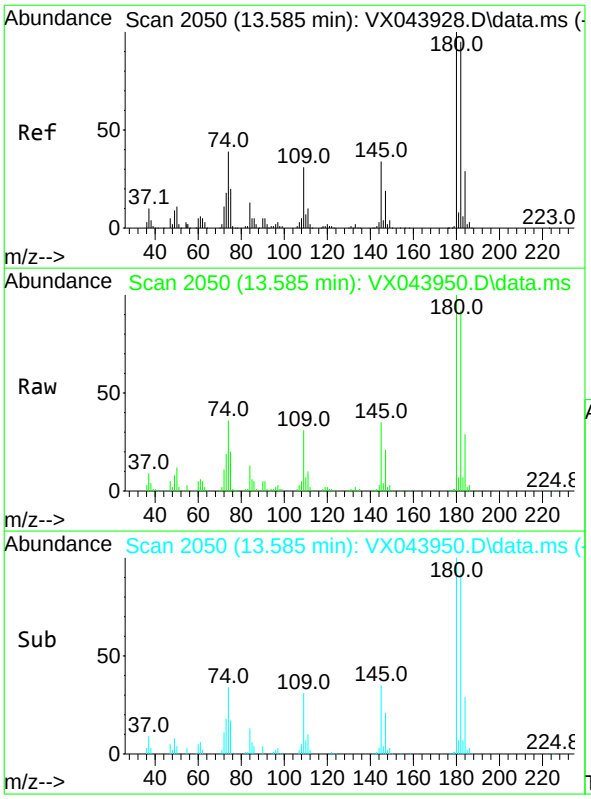


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.076 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 24188

Ion	Ratio	Lower	Upper
75	100		
155	74.3	40.1	120.2
157	96.2	49.6	149.0

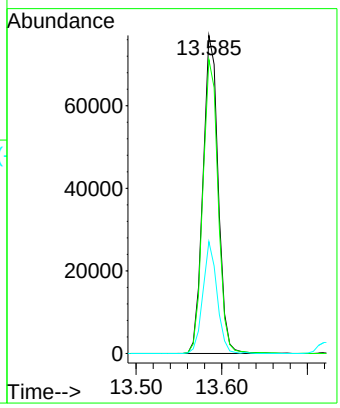




#93
1,2,4-Trichlorobenzene
Concen: 54.252 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 94940

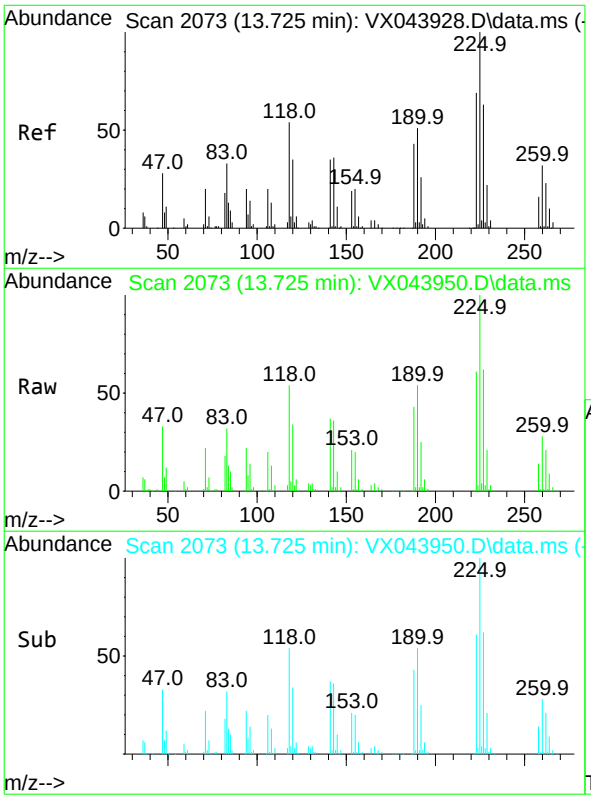
Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.0	144.2
145	32.8	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

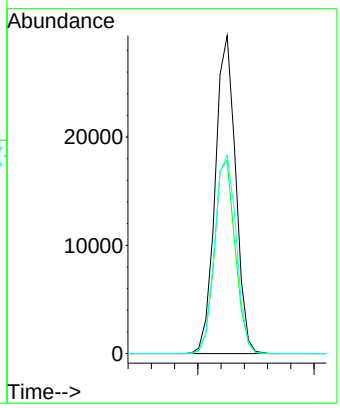
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

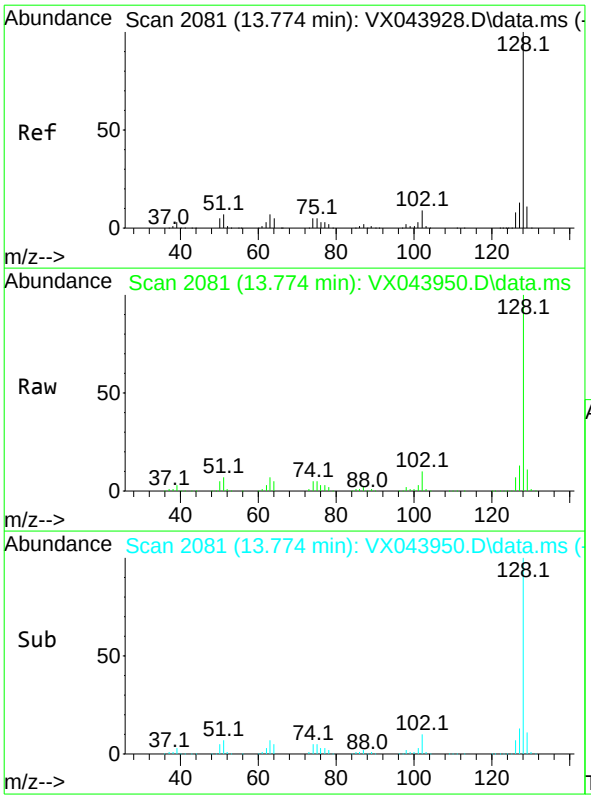


#94
Hexachlorobutadiene
Concen: 51.785 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 35816

Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.9	98.6
227	65.7	31.6	94.8

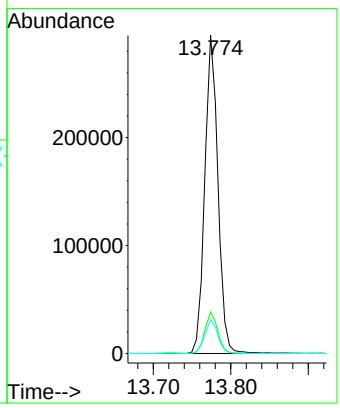




#95
Naphthalene
Concen: 55.215 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:128 Resp: 347826

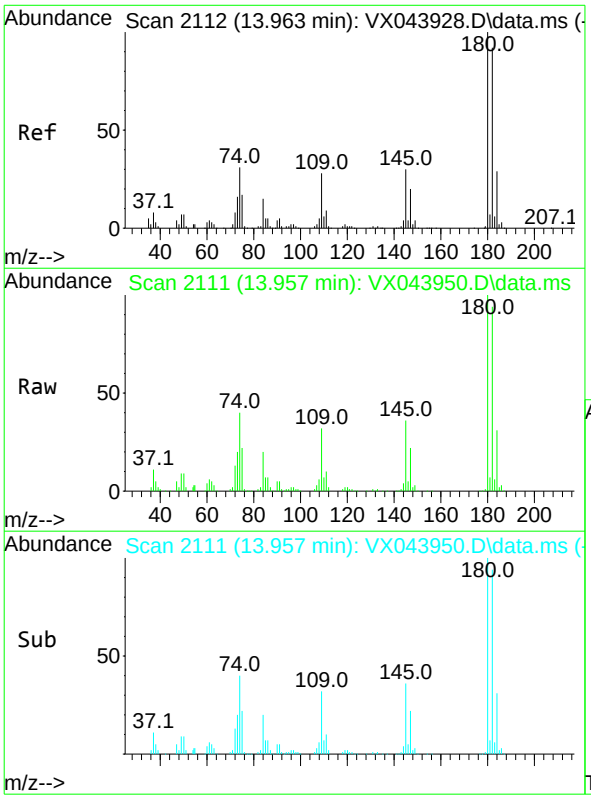
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

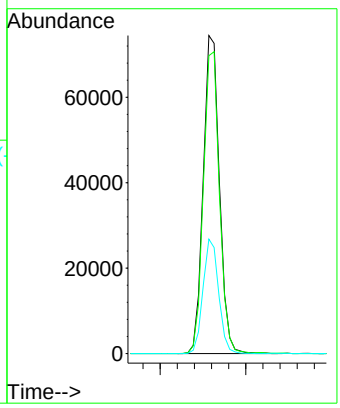
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 55.041 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 97491

Ion	Ratio	Lower	Upper
180	100		
182	94.5	45.6	136.8
145	34.8	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	0.633	0.699	-10.4	88	0.00
3	P	Chloromethane	0.667	0.733	-9.9	91	0.00
4	C	Vinyl Chloride	0.709	0.742	-4.7#	84	0.00
5	T	Bromomethane	0.436	0.458	-5.0	89	0.00
6	T	Chloroethane	0.432	0.419	3.0	79	0.00
7	T	Trichlorofluoromethane	1.268	1.478	-16.6	94	0.00
8	T	Diethyl Ether	0.462	0.473	-2.4	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.652	-7.8	86	0.00
10	T	Methyl Iodide	0.755	0.789	-4.5	84	0.00
11	T	Tert butyl alcohol	0.138	0.130	5.8	78	0.00
12	CM	1,1-Dichloroethene	0.576	0.586	-1.7#	84	0.00
13	T	Acrolein	0.145	0.146	-0.7	87	0.00
14	T	Allyl chloride	0.941	1.013	-7.7	84	0.00
15	T	Acrylonitrile	0.335	0.356	-6.3	83	0.00
16	T	Acetone	0.394	0.395	-0.3	80	0.00
17	T	Carbon Disulfide	1.188	1.132	4.7	76	0.00
18	T	Methyl Acetate	0.917	0.947	-3.3	83	0.00
19	T	Methyl tert-butyl Ether	2.092	2.228	-6.5	85	0.00
20	T	Methylene Chloride	0.668	0.684	-2.4	89	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.624	-4.9	85	0.00
22	T	Diisopropyl ether	2.013	2.151	-6.9	86	0.00
23	T	Vinyl Acetate	1.722	1.880	-9.2	84	0.00
24	P	1,1-Dichloroethane	1.161	1.252	-7.8	86	0.00
25	T	2-Butanone	0.508	0.528	-3.9	81	0.00
26	T	2,2-Dichloropropane	1.049	1.090	-3.9	83	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.765	-4.1	84	0.00
28	T	Bromochloromethane	0.511	0.493	3.5	95	0.00
29	T	Tetrahydrofuran	0.312	0.321	-2.9	82	0.00
30	C	Chloroform	1.249	1.325	-6.1#	87	0.00
31	T	Cyclohexane	0.956	1.019	-6.6	85	0.00
32	T	1,1,1-Trichloroethane	1.077	1.175	-9.1	86	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.843	1.7	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.357	0.359	-0.6	96	0.00
36	T	1,1-Dichloropropene	0.445	0.495	-11.2	87	0.00
37	T	Ethyl Acetate	0.553	0.580	-4.9	83	0.00
38	T	Carbon Tetrachloride	0.500	0.540	-8.0	84	0.00
39	T	Methylcyclohexane	0.578	0.634	-9.7	84	0.00
40	TM	Benzene	1.387	1.498	-8.0	87	0.00
41	T	Methacrylonitrile	0.283	0.293	-3.5	77	0.00
42	TM	1,2-Dichloroethane	0.557	0.607	-9.0	88	0.00
43	T	Isopropyl Acetate	0.880	0.935	-6.3	83	0.00
44	TM	Trichloroethene	0.393	0.368	6.4	86	0.00
45	C	1,2-Dichloropropane	0.340	0.374	-10.0#	88	0.00
46	T	Dibromomethane	0.269	0.290	-7.8	86	0.00
47	T	Bromodichloromethane	0.482	0.527	-9.3	84	0.00
48	T	Methyl methacrylate	0.422	0.443	-5.0	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	77	0.00
50	S	Toluene-d8	1.232	1.251	-1.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.578	-7.6	83	0.00
52	CM	Toluene	0.830	0.912	-9.9#	86	0.00
53	T	t-1,3-Dichloropropene	0.491	0.540	-10.0	83	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.582	-8.0	83	0.00
55	T	1,1,2-Trichloroethane	0.343	0.359	-4.7	84	0.00
56	T	Ethyl methacrylate	0.534	0.580	-8.6	82	0.00
57	T	1,3-Dichloropropane	0.577	0.630	-9.2	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.287	-5.1	81	0.00
59	T	2-Hexanone	0.403	0.435	-7.9	80	0.00
60	T	Dibromochloromethane	0.344	0.370	-7.6	81	0.00
61	T	1,2-Dibromoethane	0.346	0.374	-8.1	85	0.00
62	S	4-Bromofluorobenzene	0.419	0.433	-3.3	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64	T	Tetrachloroethene	0.330	0.358	-8.5	87	0.00
65	PM	Chlorobenzene	1.098	1.156	-5.3	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.391	-9.8	83	0.00
67	C	Ethyl Benzene	1.861	2.060	-10.7#	86	0.00
68	T	m/p-Xylenes	0.694	0.769	-10.8	85	0.00
69	T	o-Xylene	0.678	0.748	-10.3	83	0.00
70	T	Styrene	1.121	1.258	-12.2	84	0.00
71	P	Bromoform	0.240	0.263	-9.6	78	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.843	4.000	-4.1	86	0.00
74	T	N-amyl acetate	1.780	1.851	-4.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.353	-2.8	85	0.00
76	T	1,2,3-Trichloropropane	1.096	1.138	-3.8	85	0.00
77	T	Bromobenzene	0.917	0.941	-2.6	85	0.00
78	T	n-propylbenzene	4.293	4.616	-7.5	86	0.00
79	T	2-Chlorotoluene	2.714	2.800	-3.2	86	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.350	-5.9	85	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.390	3.0	77	0.00
82	T	4-Chlorotoluene	3.064	3.199	-4.4	84	0.00
83	T	tert-Butylbenzene	3.134	3.307	-5.5	84	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.397	-7.9	87	0.00
85	T	sec-Butylbenzene	3.840	4.093	-6.6	85	0.00
86	T	p-Isopropyltoluene	3.119	3.454	-10.7	86	0.00
87	T	1,3-Dichlorobenzene	1.670	1.740	-4.2	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.754	-3.1	86	0.00
89	T	n-Butylbenzene	2.750	3.048	-10.8	84	0.00
90	T	Hexachloroethane	0.530	0.534	-0.8	80	0.00
91	T	1,2-Dichlorobenzene	1.685	1.762	-4.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.275	-4.2	85	0.00
93	T	1,2,4-Trichlorobenzene	0.994	1.078	-8.5	87	0.00
94	T	Hexachlorobutadiene	0.393	0.407	-3.6	87	0.00
95	T	Naphthalene	3.576	3.949	-10.4	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.107	-10.0	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	50.000	55.175	-10.3	88	0.00
3	P	Chloromethane	50.000	54.963	-9.9	91	0.00
4	C	Vinyl Chloride	50.000	52.301	-4.6#	84	0.00
5	T	Bromomethane	50.000	52.486	-5.0	89	0.00
6	T	Chloroethane	50.000	48.505	3.0	79	0.00
7	T	Trichlorofluoromethane	50.000	58.296	-16.6	94	0.00
8	T	Diethyl Ether	50.000	51.158	-2.3	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.892	-7.8	86	0.00
10	T	Methyl Iodide	50.000	52.213	-4.4	84	0.00
11	T	Tert butyl alcohol	250.000	236.901	5.2	78	0.00
12	CM	1,1-Dichloroethene	50.000	50.831	-1.7#	84	0.00
13	T	Acrolein	250.000	251.363	-0.5	87	0.00
14	T	Allyl chloride	50.000	53.777	-7.6	84	0.00
15	T	Acrylonitrile	250.000	265.550	-6.2	83	0.00
16	T	Acetone	250.000	250.770	-0.3	80	0.00
17	T	Carbon Disulfide	50.000	47.616	4.8	76	0.00
18	T	Methyl Acetate	50.000	51.629	-3.3	83	0.00
19	T	Methyl tert-butyl Ether	50.000	53.261	-6.5	85	0.00
20	T	Methylene Chloride	50.000	51.146	-2.3	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.461	-4.9	85	0.00
22	T	Diisopropyl ether	50.000	53.416	-6.8	86	0.00
23	T	Vinyl Acetate	250.000	272.921	-9.2	84	0.00
24	P	1,1-Dichloroethane	50.000	53.913	-7.8	86	0.00
25	T	2-Butanone	250.000	259.902	-4.0	81	0.00
26	T	2,2-Dichloropropane	50.000	51.956	-3.9	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.023	-4.0	84	0.00
28	T	Bromochloromethane	50.000	48.235	3.5	95	0.00
29	T	Tetrahydrofuran	250.000	257.216	-2.9	82	0.00
30	C	Chloroform	50.000	53.043	-6.1#	87	0.00
31	T	Cyclohexane	50.000	53.324	-6.6	85	0.00
32	T	1,1,1-Trichloroethane	50.000	54.526	-9.1	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.135	1.7	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	50.272	-0.5	96	0.00
36	T	1,1-Dichloropropene	50.000	55.562	-11.1	87	0.00
37	T	Ethyl Acetate	50.000	52.440	-4.9	83	0.00
38	T	Carbon Tetrachloride	50.000	53.945	-7.9	84	0.00
39	T	Methylcyclohexane	50.000	54.849	-9.7	84	0.00
40	TM	Benzene	50.000	54.016	-8.0	87	0.00
41	T	Methacrylonitrile	50.000	51.710	-3.4	77	0.00
42	TM	1,2-Dichloroethane	50.000	54.501	-9.0	88	0.00
43	T	Isopropyl Acetate	50.000	53.153	-6.3	83	0.00
44	TM	Trichloroethene	50.000	46.882	6.2	86	0.00
45	C	1,2-Dichloropropane	50.000	55.044	-10.1#	88	0.00
46	T	Dibromomethane	50.000	53.916	-7.8	86	0.00
47	T	Bromodichloromethane	50.000	54.645	-9.3	84	0.00
48	T	Methyl methacrylate	50.000	52.453	-4.9	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	956.809	4.3	77	0.00
50	S	Toluene-d8	50.000	50.769	-1.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	269.433	-7.8	83	0.00
52	CM	Toluene	50.000	54.965	-9.9#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	54.971	-9.9	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.052	-8.1	83	0.00
55	T	1,1,2-Trichloroethane	50.000	52.387	-4.8	84	0.00
56	T	Ethyl methacrylate	50.000	54.352	-8.7	82	0.00
57	T	1,3-Dichloropropane	50.000	54.563	-9.1	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	244.819	2.1	81	0.00
59	T	2-Hexanone	250.000	269.358	-7.7	80	0.00
60	T	Dibromochloromethane	50.000	53.853	-7.7	81	0.00
61	T	1,2-Dibromoethane	50.000	54.040	-8.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.686	-3.4	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64	T	Tetrachloroethene	50.000	54.365	-8.7	87	0.00
65	PM	Chlorobenzene	50.000	52.640	-5.3	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.854	-9.7	83	0.00
67	C	Ethyl Benzene	50.000	55.362	-10.7#	86	0.00
68	T	m/p-Xylenes	100.000	110.758	-10.8	85	0.00
69	T	o-Xylene	50.000	55.187	-10.4	83	0.00
70	T	Styrene	50.000	56.140	-12.3	84	0.00
71	P	Bromoform	50.000	48.773	2.5	78	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	52.039	-4.1	86	0.00
74	T	N-amyl acetate	50.000	51.973	-3.9	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.403	-2.8	85	0.00
76	T	1,2,3-Trichloropropane	50.000	51.893	-3.8	85	0.00
77	T	Bromobenzene	50.000	51.338	-2.7	85	0.00
78	T	n-propylbenzene	50.000	53.765	-7.5	86	0.00
79	T	2-Chlorotoluene	50.000	51.573	-3.1	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.968	-5.9	85	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.492	3.0	77	0.00
82	T	4-Chlorotoluene	50.000	52.200	-4.4	84	0.00
83	T	tert-Butylbenzene	50.000	52.754	-5.5	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.956	-7.9	87	0.00
85	T	sec-Butylbenzene	50.000	53.293	-6.6	85	0.00
86	T	p-Isopropyltoluene	50.000	55.361	-10.7	86	0.00
87	T	1,3-Dichlorobenzene	50.000	52.089	-4.2	87	0.00
88	T	1,4-Dichlorobenzene	50.000	51.511	-3.0	86	0.00
89	T	n-Butylbenzene	50.000	55.414	-10.8	84	0.00
90	T	Hexachloroethane	50.000	50.336	-0.7	80	0.00
91	T	1,2-Dichlorobenzene	50.000	52.281	-4.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.076	-4.2	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.252	-8.5	87	0.00
94	T	Hexachlorobutadiene	50.000	51.785	-3.6	87	0.00
95	T	Naphthalene	50.000	55.215	-10.4	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.041	-10.1	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.553		-12.64	50
Chloromethane	0.667	0.604	0.1	-9.44	50
Vinyl Chloride	0.709	0.633		-10.72	50
Bromomethane	0.436	0.468		7.34	50
Chloroethane	0.432	0.412		-4.63	50
Trichlorofluoromethane	1.268	1.357		7.02	50
1,1,2-Trichlorotrifluoroethane	0.605	0.544		-10.08	50
1,1-Dichloroethene	0.576	0.528		-8.33	50
Acetone	0.394	0.292		-25.89	50
Carbon Disulfide	1.188	1.034		-12.96	50
Methyl tert-butyl Ether	2.092	2.090		-0.1	50
Methyl Acetate	0.917	0.846		-7.74	50
Methylene Chloride	0.668	0.624		-6.59	50
trans-1,2-Dichloroethene	0.595	0.569		-4.37	50
1,1-Dichloroethane	1.161	1.155	0.1	-0.52	50
Cyclohexane	0.956	0.884		-7.53	50
2-Butanone	0.508	0.453		-10.83	50
Carbon Tetrachloride	0.500	0.488		-2.4	50
cis-1,2-Dichloroethene	0.735	0.728		-0.95	50
Bromochloromethane	0.511	0.513		0.39	50
Chloroform	1.249	1.246		-0.24	50
1,1,1-Trichloroethane	1.077	1.102		2.32	50
Methylcyclohexane	0.578	0.512		-11.42	50
Benzene	1.387	1.324		-4.54	50
1,2-Dichloroethane	0.557	0.541		-2.87	50
Trichloroethene	0.393	0.317		-19.34	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.474		-1.66	50
4-Methyl-2-Pentanone	0.537	0.509		-5.21	50
Toluene	0.830	0.802		-3.37	50
t-1,3-Dichloropropene	0.491	0.480		-2.24	50
cis-1,3-Dichloropropene	0.539	0.525		-2.6	50
1,1,2-Trichloroethane	0.343	0.324		-5.54	50
2-Hexanone	0.403	0.376		-6.7	50
Dibromochloromethane	0.344	0.327		-4.94	50
1,2-Dibromoethane	0.346	0.340		-1.73	50
Tetrachloroethene	0.330	0.305		-7.58	50
Chlorobenzene	1.098	1.047	0.3	-4.64	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.812		-2.63	50
m/p-Xylenes	0.694	0.689		-0.72	50
o-Xylene	0.678	0.676		-0.29	50
Styrene	1.121	1.146		2.23	50
Bromoform	0.240	0.239	0.1	-0.42	50
Isopropylbenzene	3.843	3.785		-1.51	50
1,1,2,2-Tetrachloroethane	1.316	1.298	0.3	-1.37	50
1,3-Dichlorobenzene	1.670	1.571		-5.93	50
1,4-Dichlorobenzene	1.702	1.595		-6.29	50
1,2-Dichlorobenzene	1.685	1.612		-4.33	50
1,2-Dibromo-3-Chloropropane	0.264	0.249		-5.68	50
1,2,4-Trichlorobenzene	0.994	0.936		-5.84	50
1,2,3-Trichlorobenzene	1.006	1.011		0.5	50
1,2-Dichloroethane-d4	0.858	0.889		3.61	50
Dibromofluoromethane	0.357	0.358		0.28	50
Toluene-d8	1.232	1.216		-1.3	50
4-Bromofluorobenzene	0.419	0.417		-0.48	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\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	122980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	188299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109385	51.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.720%			
35) Dibromofluoromethane	5.379	113	80080	50.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	8.647	98	272032	49.385	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.780%			
62) 4-Bromofluorobenzene	11.079	95	93160	49.694	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	68061	43.686	ug/l	100
3) Chloromethane	1.295	50	74224	45.274	ug/l	97
4) Vinyl Chloride	1.374	62	77794	44.612	ug/l	96
5) Bromomethane	1.593	94	57584	53.679	ug/l	100
6) Chloroethane	1.666	64	50694	47.709	ug/l	100
7) Trichlorofluoromethane	1.868	101	166881	53.528	ug/l	99
8) Diethyl Ether	2.136	74	52774	46.443	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	66870	44.966	ug/l	98
10) Methyl Iodide	2.447	142	87758	47.250	ug/l	97
11) Tert butyl alcohol	3.002	59	72806	215.043	ug/l	98
12) 1,1-Dichloroethene	2.307	96	64902	45.800	ug/l	96
13) Acrolein	2.233	56	77602	217.457	ug/l	97
14) Allyl chloride	2.654	41	113282	48.923	ug/l	98
15) Acrylonitrile	3.069	53	194254	235.443	ug/l	98
16) Acetone	2.386	43	179850	185.644	ug/l	100
17) Carbon Disulfide	2.502	76	127176	43.508	ug/l	98
18) Methyl Acetate	2.703	43	104004	46.099	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257085	49.964	ug/l	98
20) Methylene Chloride	2.782	84	76764	46.692	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	70023	47.861	ug/l	98
22) Diisopropyl ether	3.758	45	248613	50.212	ug/l	92
23) Vinyl Acetate	3.721	43	1083211	255.744	ug/l	99
24) 1,1-Dichloroethane	3.605	63	142098	49.748	ug/l	100
25) 2-Butanone	4.562	43	278537	222.822	ug/l	100
26) 2,2-Dichloropropane	4.471	77	117521	45.557	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	89489	49.483	ug/l	99
28) Bromochloromethane	4.891	49	63042	50.141	ug/l	98
29) Tetrahydrofuran	5.007	42	175631	229.176	ug/l	99
30) Chloroform	5.087	83	153240	49.881	ug/l	98
31) Cyclohexane	5.458	56	108654	46.218	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	135463	51.132	ug/l	99
36) 1,1-Dichloropropene	5.684	75	96384	48.403	ug/l	99
37) Ethyl Acetate	4.715	43	111838	45.245	ug/l	99
38) Carbon Tetrachloride	5.672	117	109113	48.766	ug/l	99
39) Methylcyclohexane	7.373	83	114556	44.283	ug/l	97
40) Benzene	6.032	78	296066	47.732	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	58876	46.538 ug/l		95
42) 1,2-Dichloroethane	6.080	62	120886	48.527 ug/l		100
43) Isopropyl Acetate	6.342	43	188827	48.002 ug/l		100
44) Trichloroethene	7.123	130	70858	40.354 ug/l		93
45) 1,2-Dichloropropane	7.422	63	73488	48.373 ug/l		100
46) Dibromomethane	7.580	93	57212	47.608 ug/l		100
47) Bromodichloromethane	7.818	83	106111	49.233 ug/l		99
48) Methyl methacrylate	7.690	41	86803	45.987 ug/l		99
49) 1,4-Dioxane	7.665	88	23838	708.970 ug/l	#	77
51) 4-Methyl-2-Pentanone	8.574	43	569005	237.028 ug/l		99
52) Toluene	8.714	92	179366	48.314 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	107403	48.867 ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	117473	48.756 ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	72401	47.244 ug/l		95
56) Ethyl methacrylate	9.116	69	118682	49.720 ug/l		99
57) 1,3-Dichloropropane	9.305	76	123967	48.020 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	279741	213.469 ug/l		99
59) 2-Hexanone	9.433	43	420948	233.298 ug/l		100
60) Dibromochloromethane	9.519	129	73109	47.547 ug/l		96
61) 1,2-Dibromoethane	9.610	107	76113	49.118 ug/l		98
64) Tetrachloroethene	9.269	164	57495	46.307 ug/l		93
65) Chlorobenzene	10.080	112	197185	47.680 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66254	49.398 ug/l		99
67) Ethyl Benzene	10.189	91	341272	48.699 ug/l		98
68) m/p-Xylenes	10.299	106	259471	99.287 ug/l		99
69) o-Xylene	10.640	106	127383	49.924 ug/l		96
70) Styrene	10.653	104	215795	51.134 ug/l		98
71) Bromoform	10.799	173	45026	44.579 ug/l	#	99
73) Isopropylbenzene	10.957	105	327150	49.244 ug/l		100
74) N-amyl acetate	10.842	43	158903	51.633 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.214	83	112173	49.312 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	94567m	49.896 ug/l		
77) Bromobenzene	11.195	156	76053	47.990 ug/l		97
78) n-propylbenzene	11.305	91	379686	51.172 ug/l		99
79) 2-Chlorotoluene	11.360	91	231439	49.328 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	277669	50.803 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	30621	44.087 ug/l		95
82) 4-Chlorotoluene	11.451	91	265745	50.170 ug/l		100
83) tert-Butylbenzene	11.713	119	275078	50.777 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	274500	50.446 ug/l		99
85) sec-Butylbenzene	11.890	105	325633	49.060 ug/l		99
86) p-Isopropyltoluene	12.006	119	271259	50.312 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	135787	47.044 ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	137836	46.839 ug/l		97
89) n-Butylbenzene	12.329	91	240255	50.543 ug/l		99
90) Hexachloroethane	12.536	117	44170	48.179 ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	139290	47.819 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21512	47.196 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	80863	47.087 ug/l		100
94) Hexachlorobutadiene	13.725	225	29838	43.962 ug/l		99
95) Naphthalene	13.774	128	311837	50.444 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	87371	50.266 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

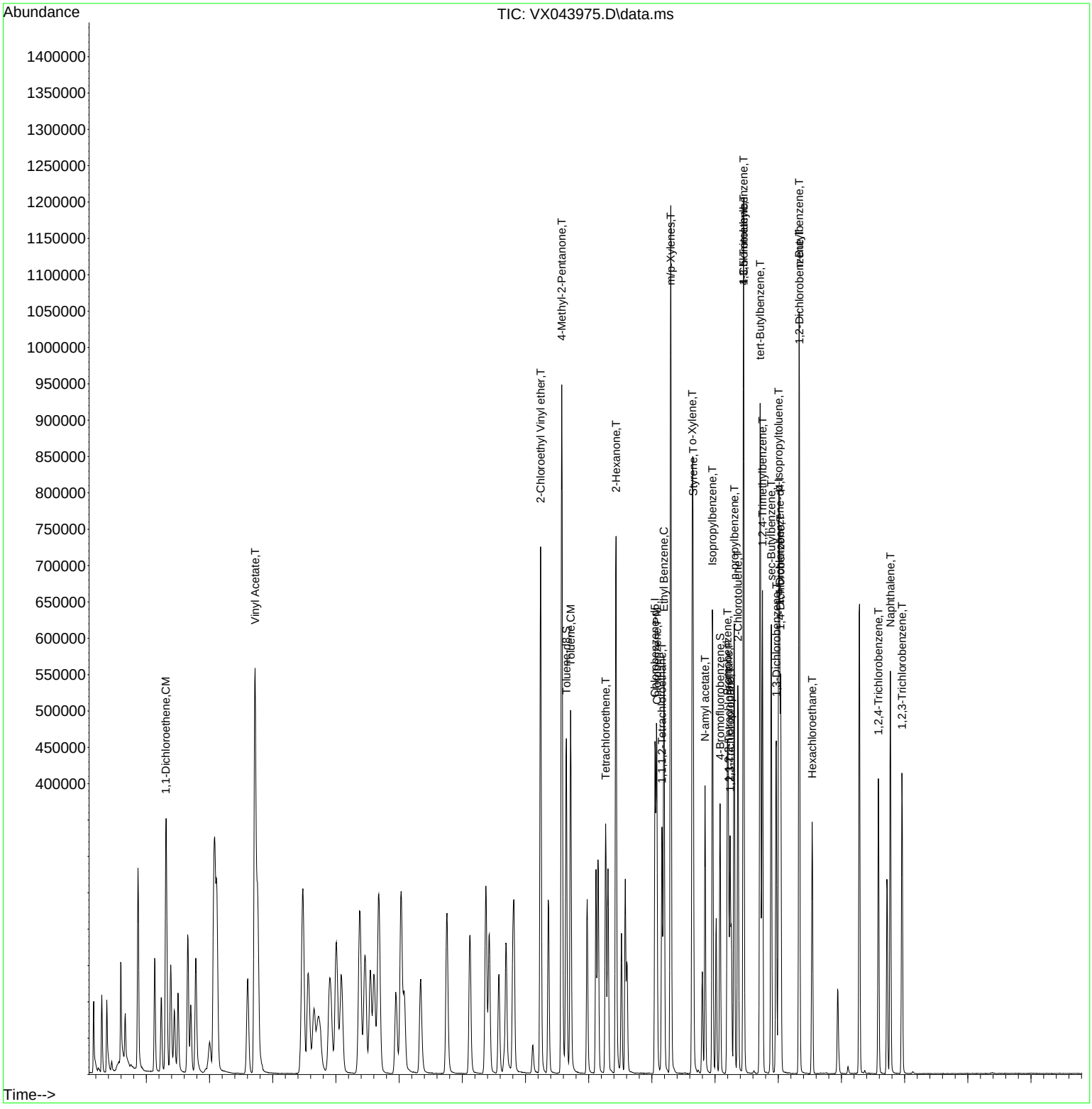
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

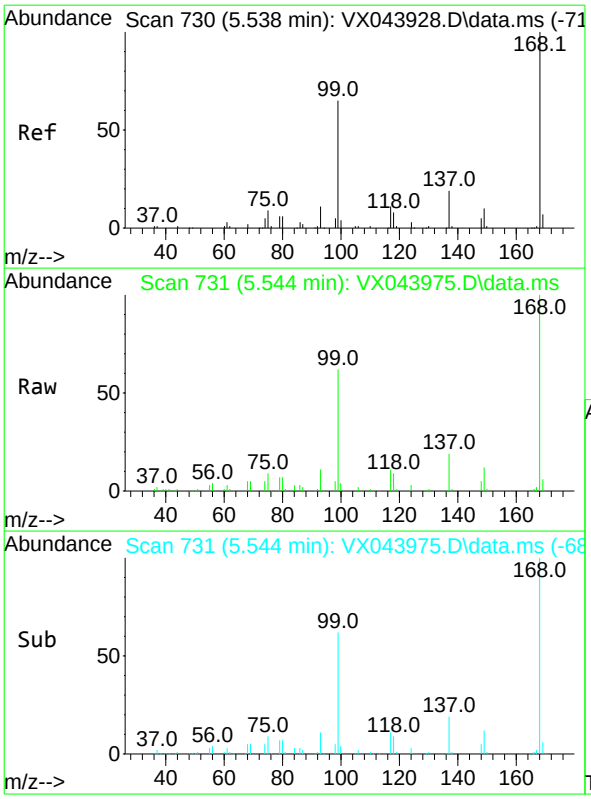
Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

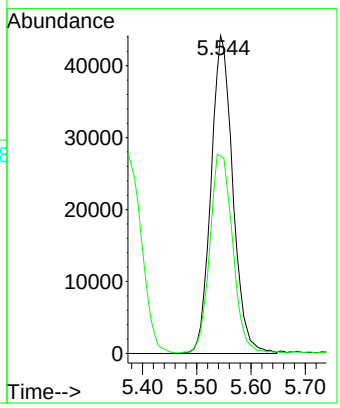




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:168 Resp: 122980

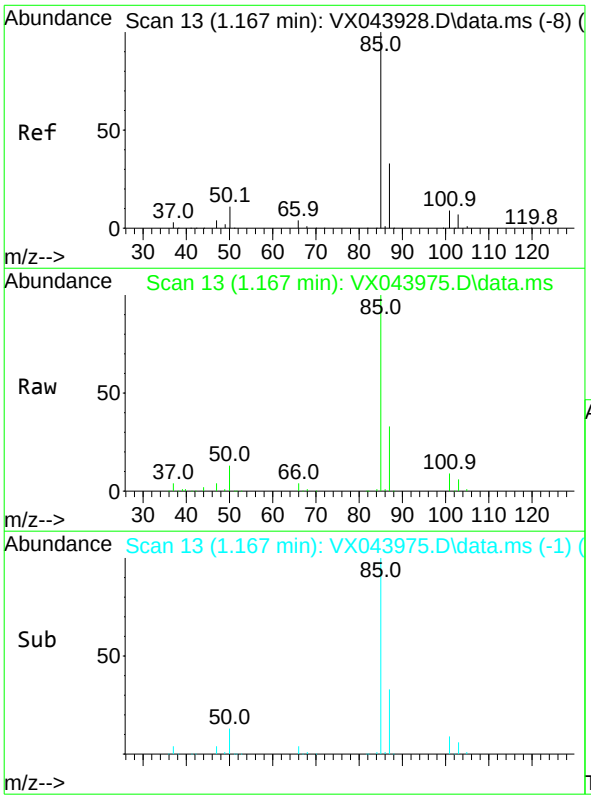
Ion	Ratio	Lower	Upper
168	100		
99	61.9	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

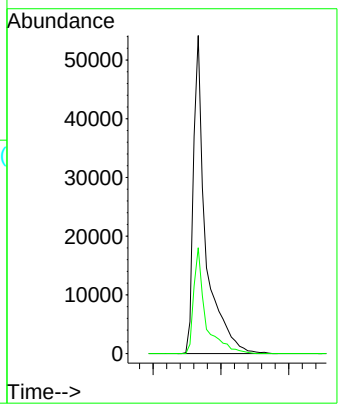
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

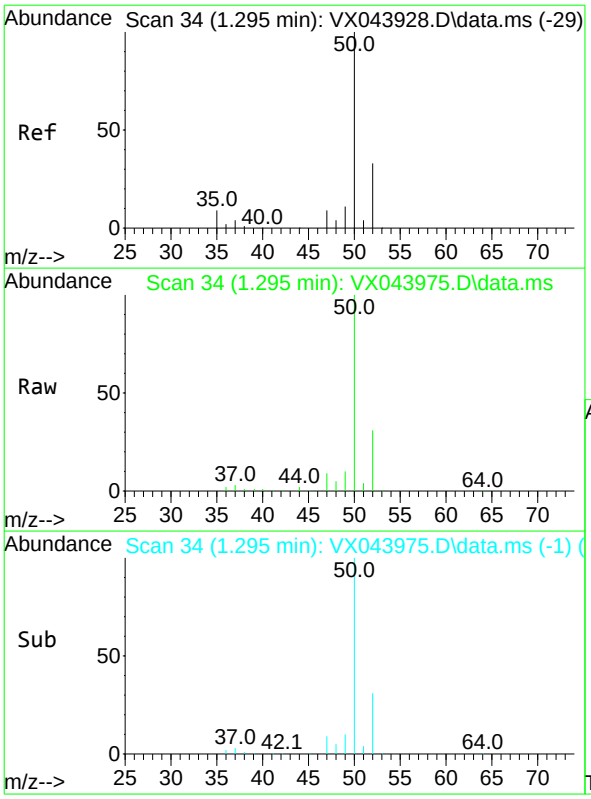


#2
Dichlorodifluoromethane
Concen: 43.686 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 85 Resp: 68061

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8

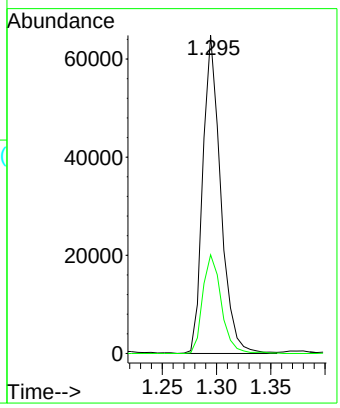




#3
Chloromethane
Concen: 45.274 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 50 Resp: 74224

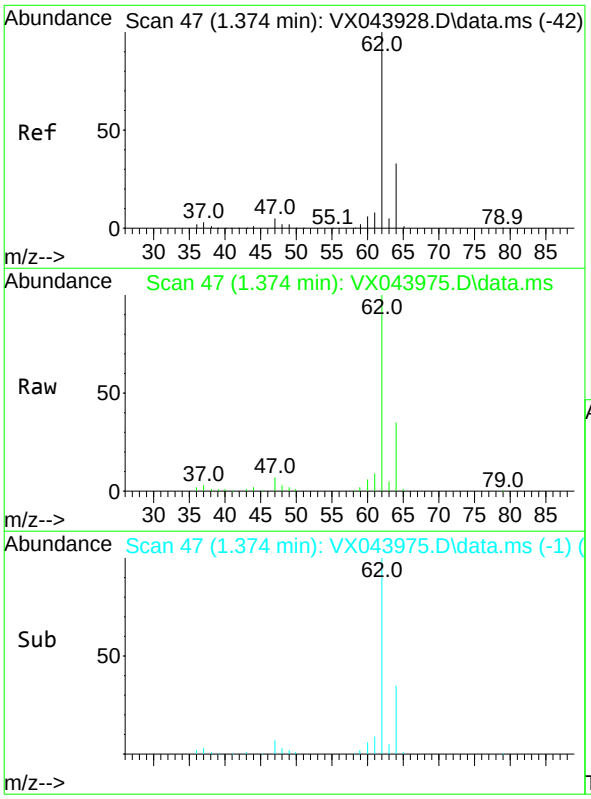
Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

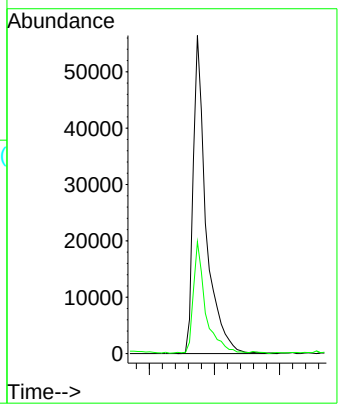
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

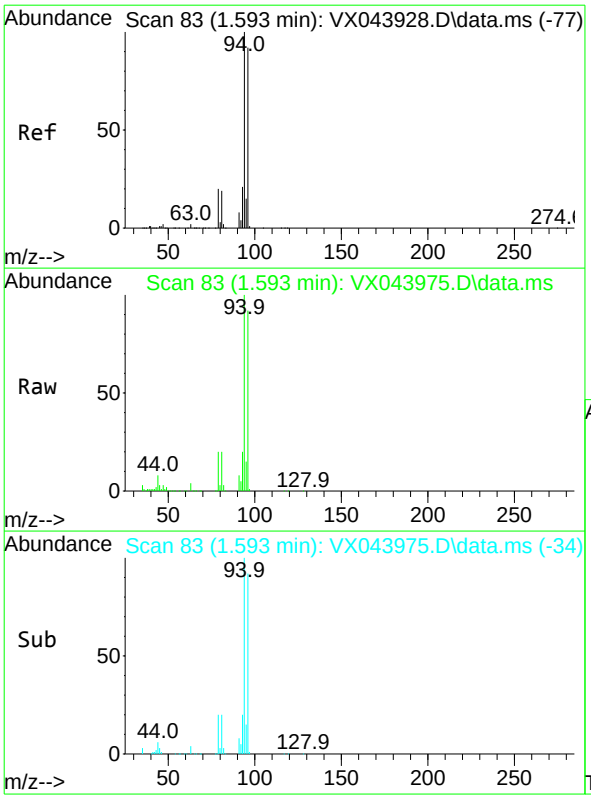


#4
Vinyl Chloride
Concen: 44.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 77794

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.2	39.4

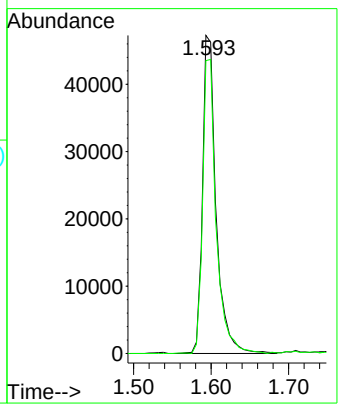




#5
Bromomethane
Concen: 53.679 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 94 Resp: 57584

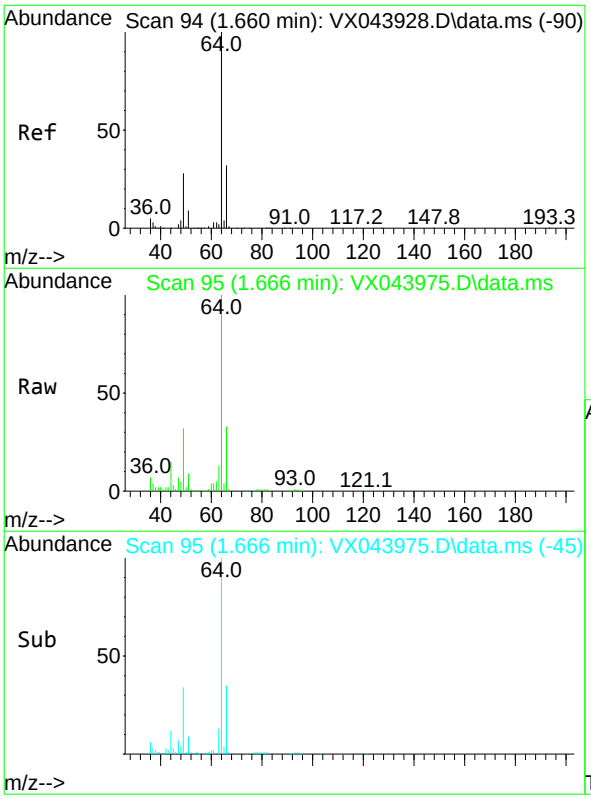
Ion	Ratio	Lower	Upper
94	100		
96	91.9	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

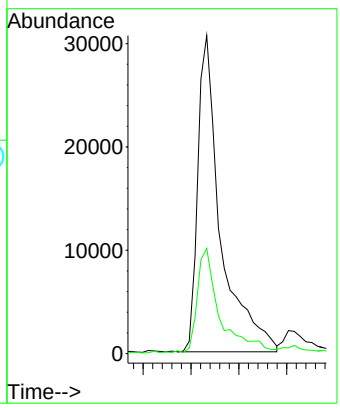
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

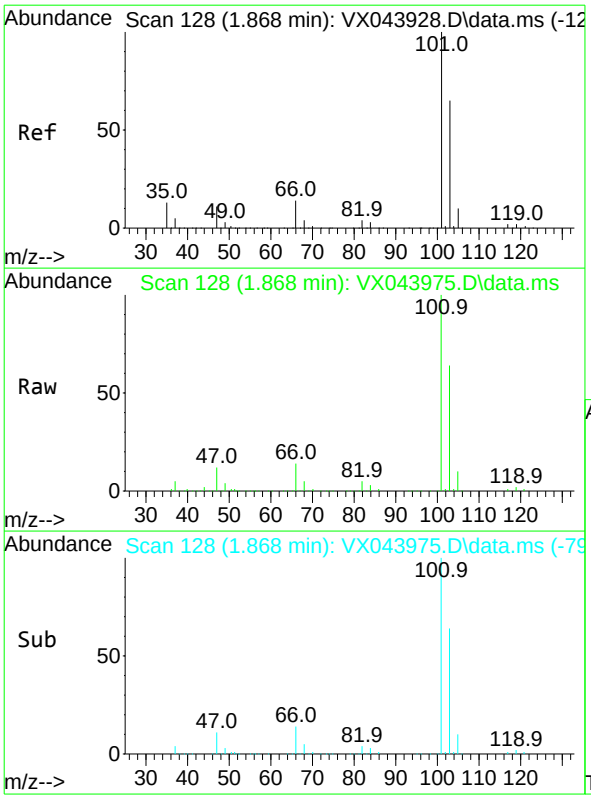


#6
Chloroethane
Concen: 47.709 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 64 Resp: 50694

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9

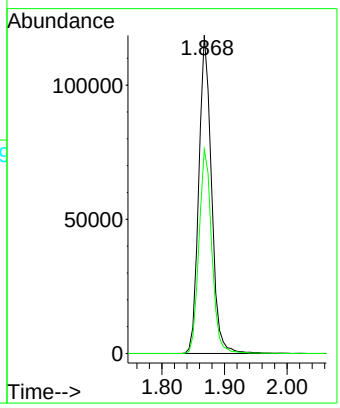




#7
Trichlorofluoromethane
Concen: 53.528 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:101 Resp: 166881

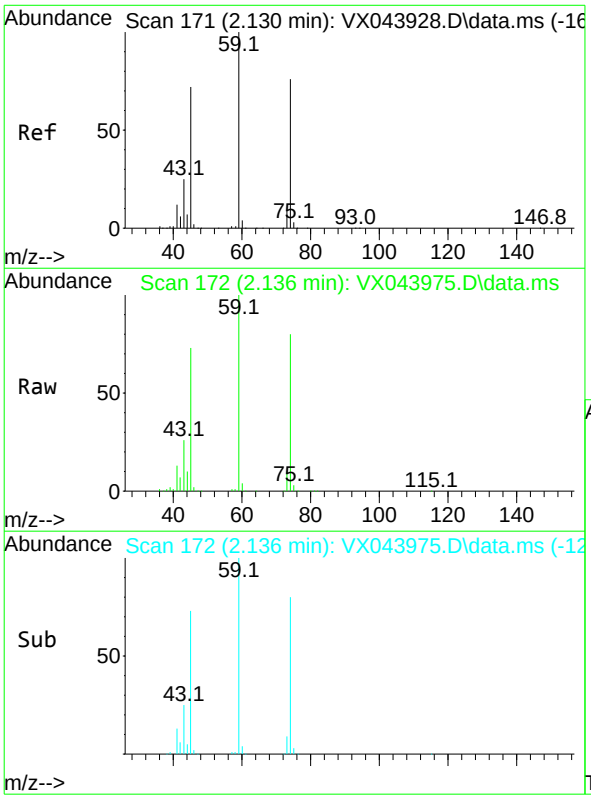
Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

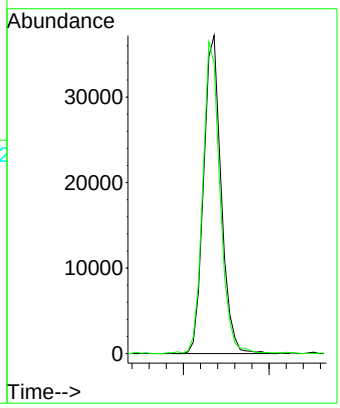
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

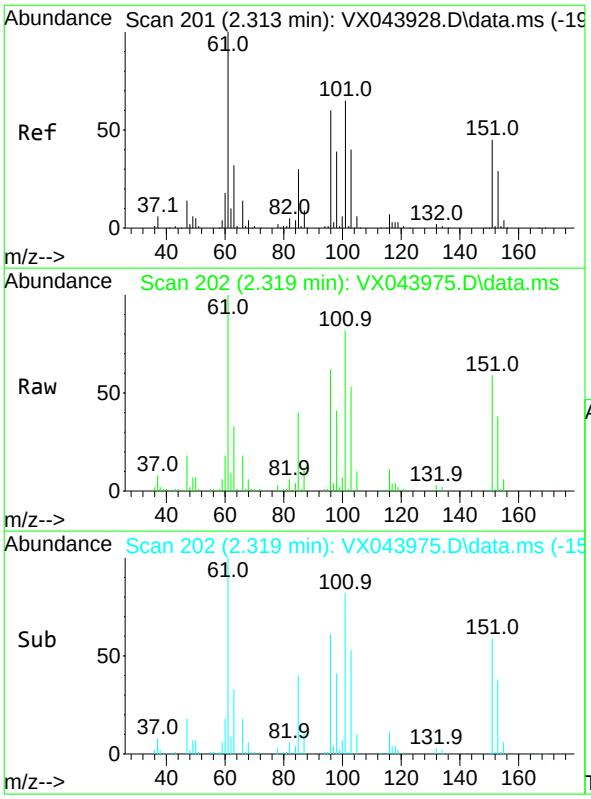


#8
Diethyl Ether
Concen: 46.443 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 74 Resp: 52774

Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.9	143.6

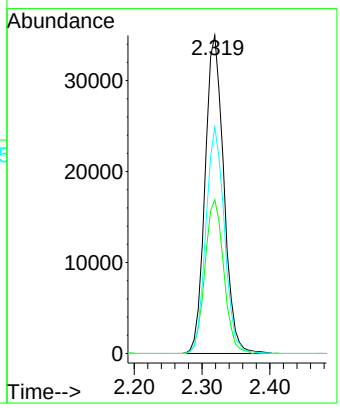




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.966 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:101 Resp: 66870

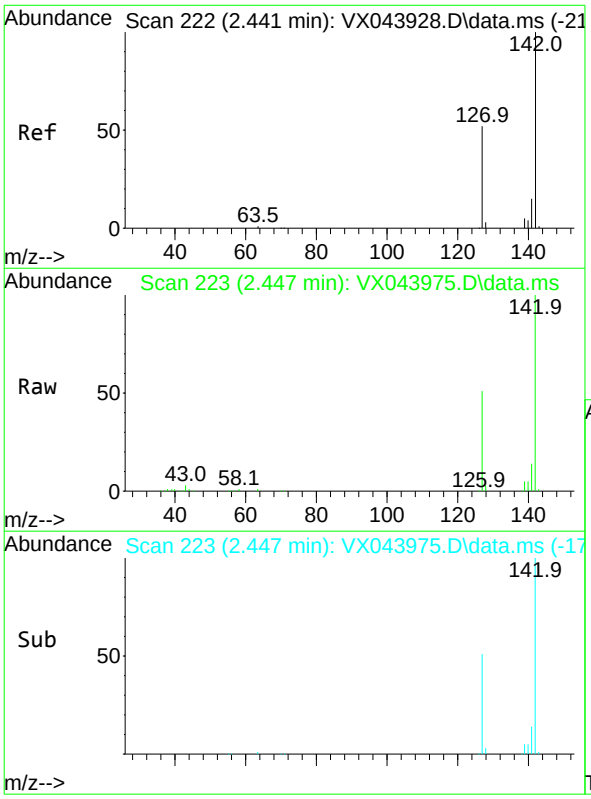
Ion	Ratio	Lower	Upper
101	100		
85	48.8	37.9	56.9
151	70.6	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

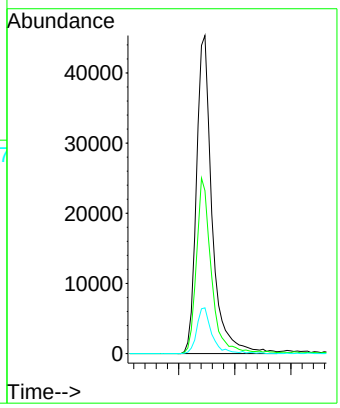
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

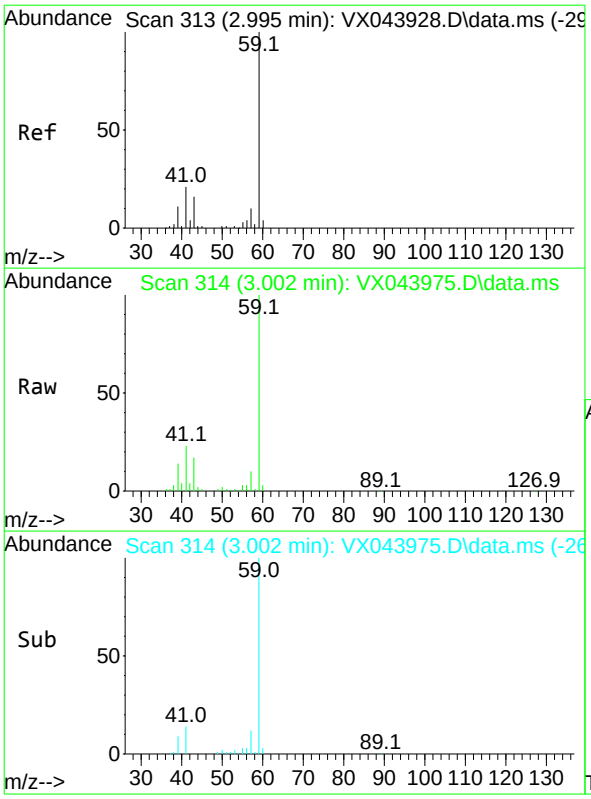


#10
Methyl Iodide
Concen: 47.250 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758

Ion	Ratio	Lower	Upper
142	100		
127	53.0	40.7	61.1
141	13.6	12.0	18.0

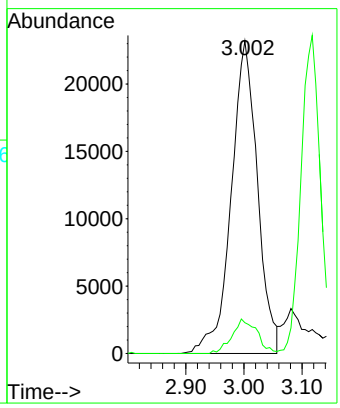




#11
Tert butyl alcohol
Concen: 215.043 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 59 Resp: 72806

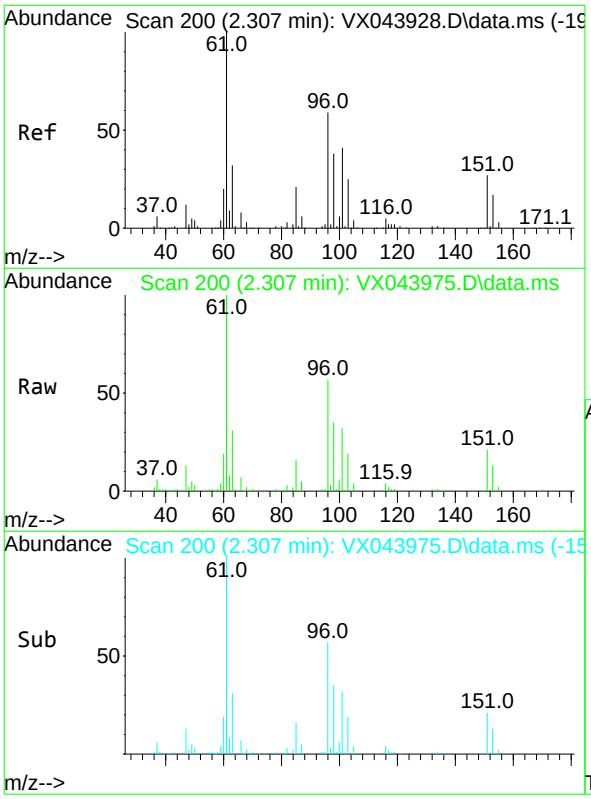
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

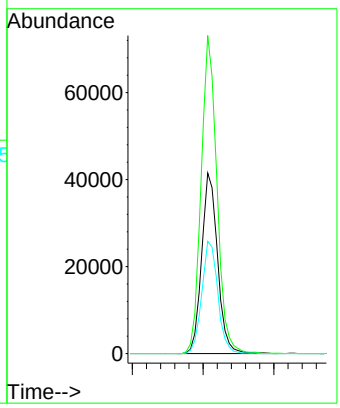
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

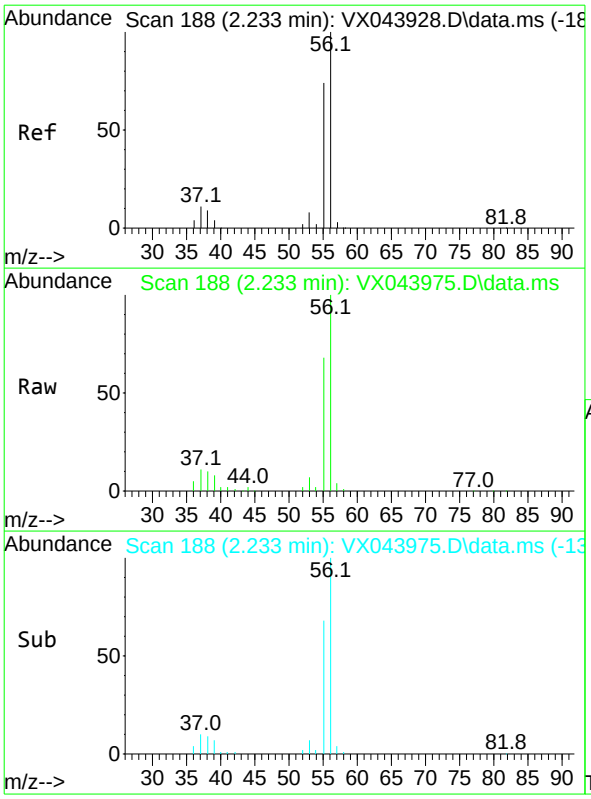


#12
1,1-Dichloroethene
Concen: 45.800 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 64902

Ion	Ratio	Lower	Upper
96	100		
61	176.1	135.5	203.3
98	62.2	50.8	76.2

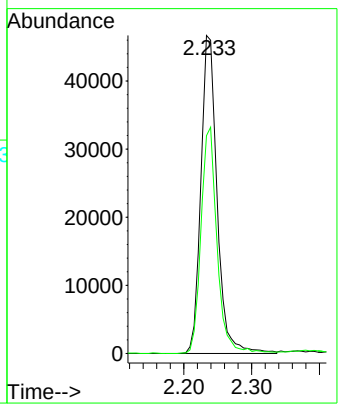




#13
Acrolein
Concen: 217.457 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 56 Resp: 77602

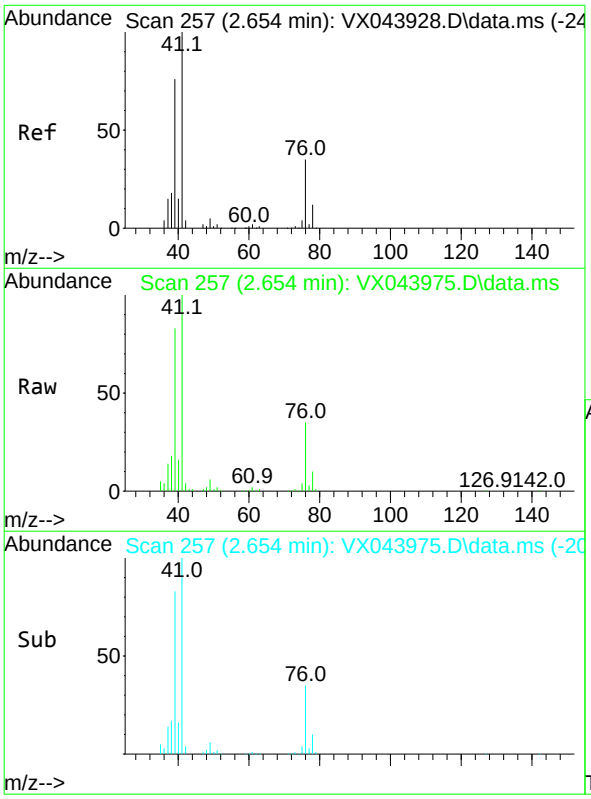
Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

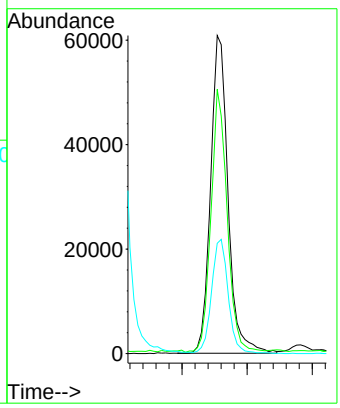
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

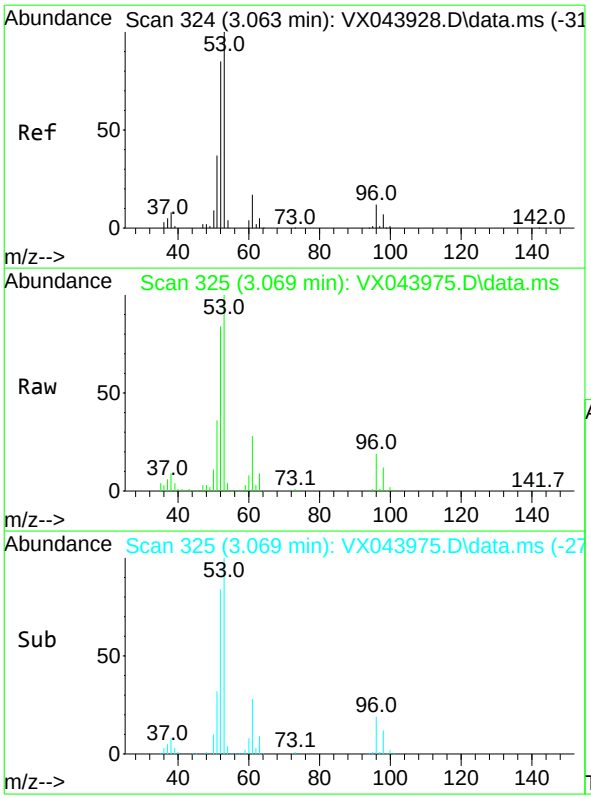


#14
Allyl chloride
Concen: 48.923 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 113282

Ion	Ratio	Lower	Upper
41	100		
39	76.8	59.5	89.3
76	34.4	27.4	41.2

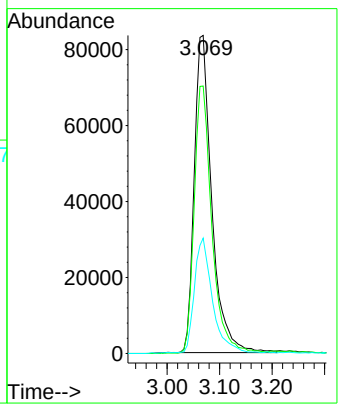




#15
Acrylonitrile
Concen: 235.443 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 53 Resp: 194254

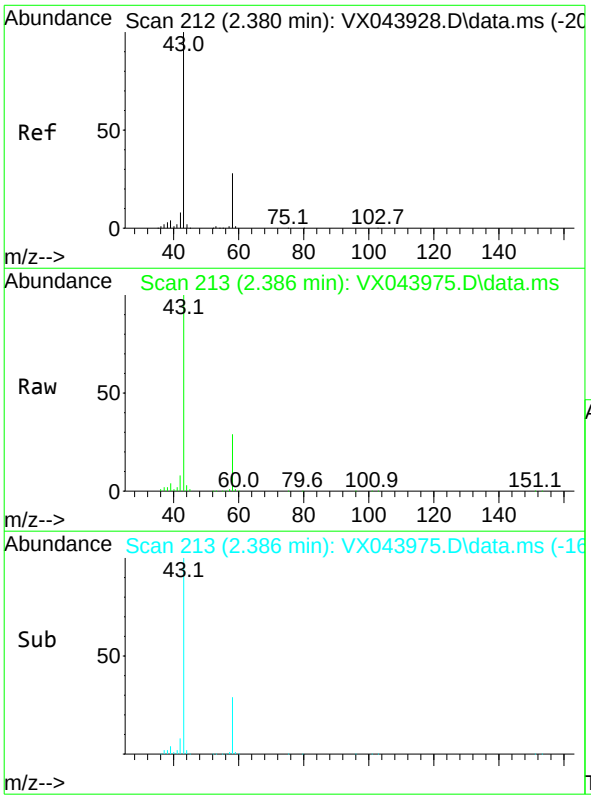
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.5	99.7
51	36.6	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

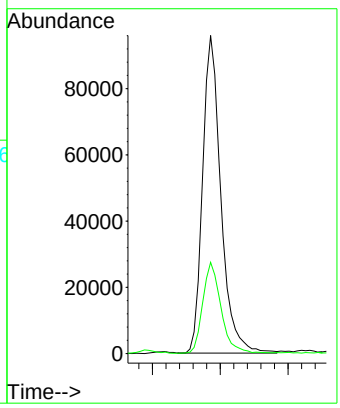
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

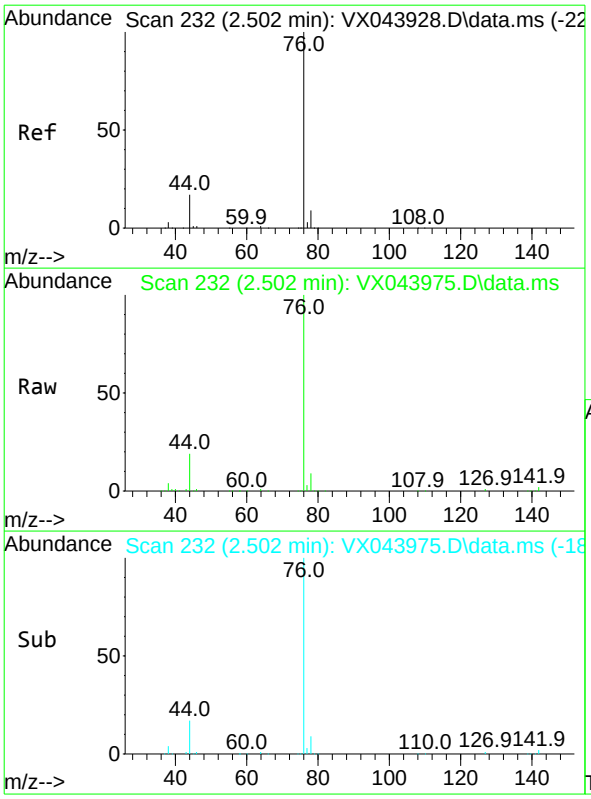


#16
Acetone
Concen: 185.644 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 179850

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1

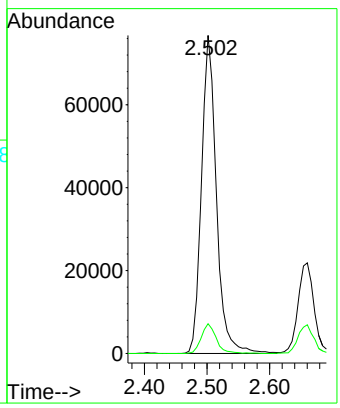




#17
Carbon Disulfide
Concen: 43.508 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 76 Resp: 127176

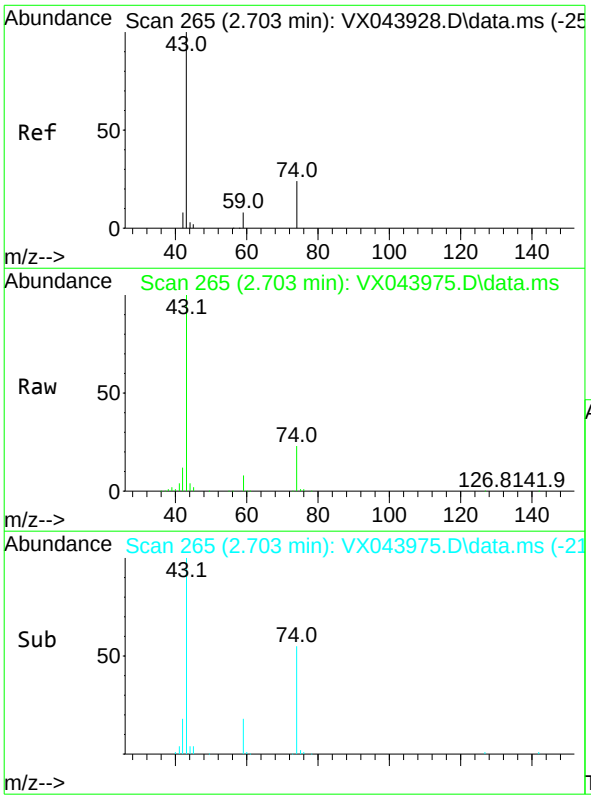
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

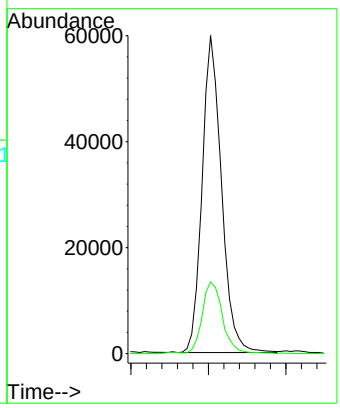
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

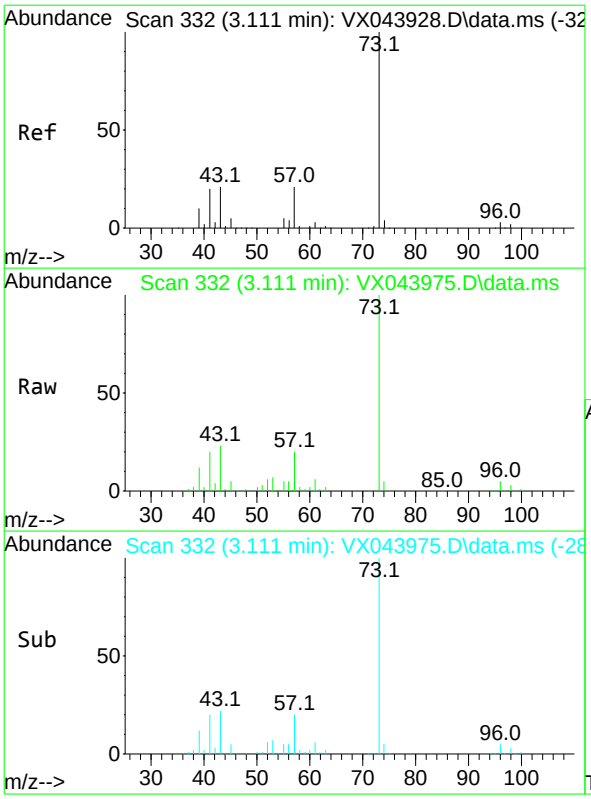


#18
Methyl Acetate
Concen: 46.099 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3

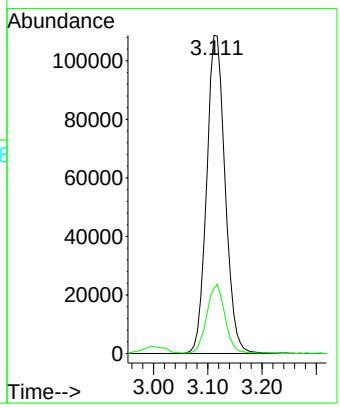




#19
Methyl tert-butyl Ether
Concen: 49.964 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 73 Resp: 257085

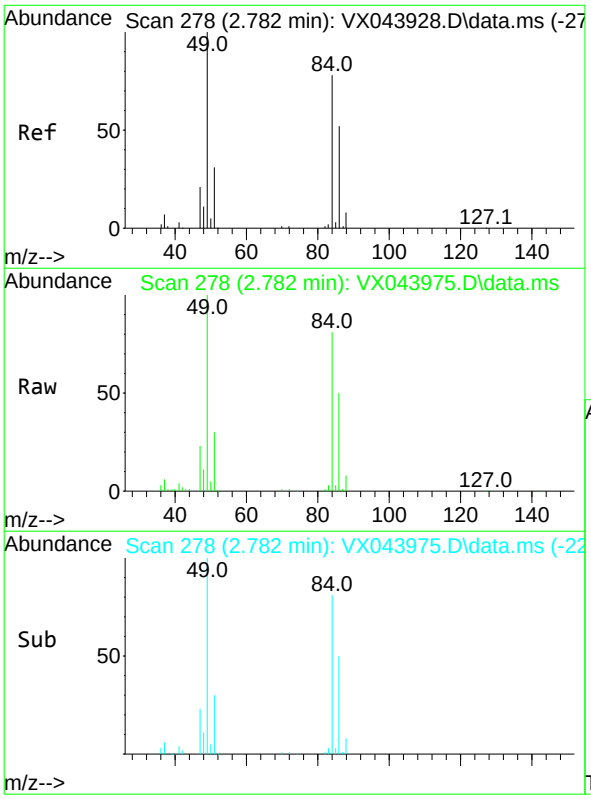
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

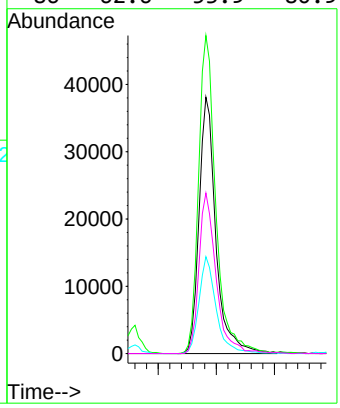
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

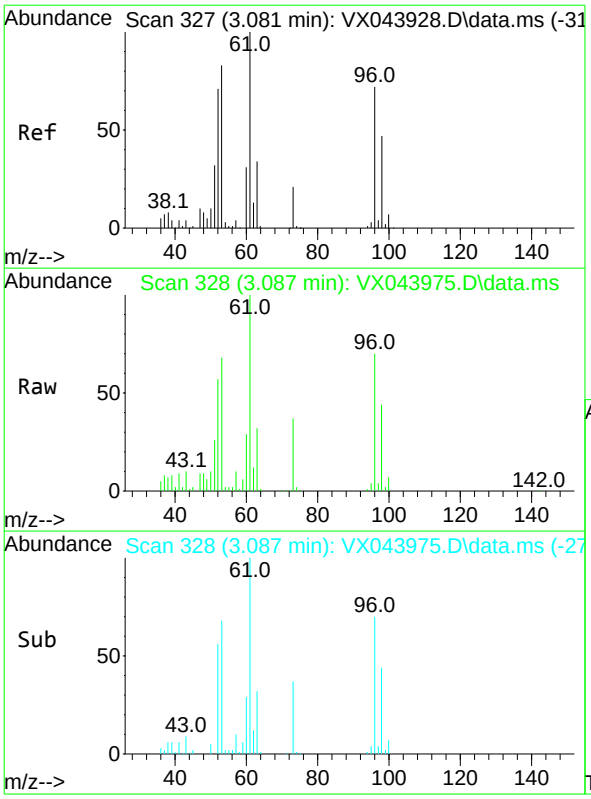


#20
Methylene Chloride
Concen: 46.692 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764

Ion	Ratio	Lower	Upper
84	100		
49	124.0	102.7	154.1
51	37.8	31.7	47.5
86	62.6	53.9	80.9

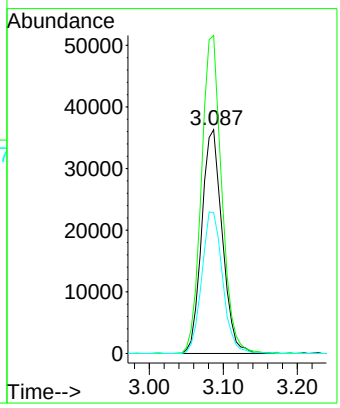




#21
trans-1,2-Dichloroethene
Concen: 47.861 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 70023

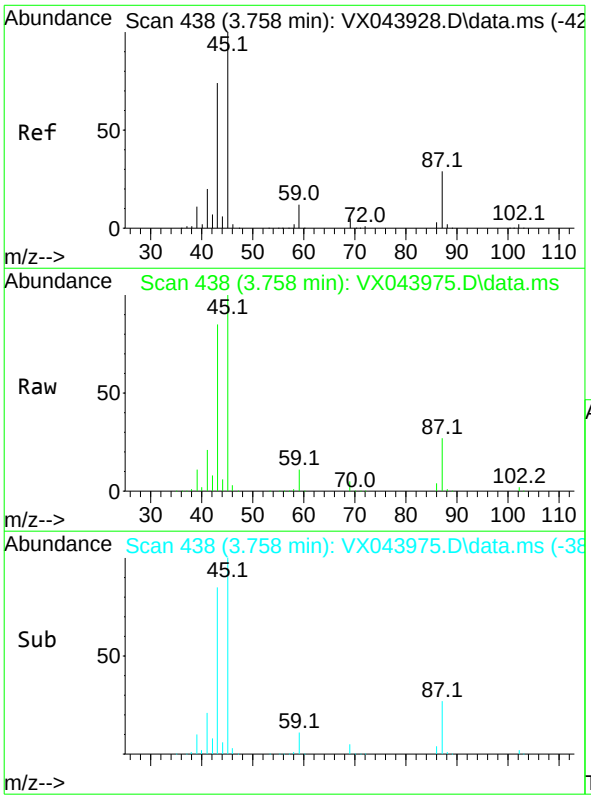
Ion	Ratio	Lower	Upper
96	100		
61	141.9	111.8	167.6
98	63.0	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

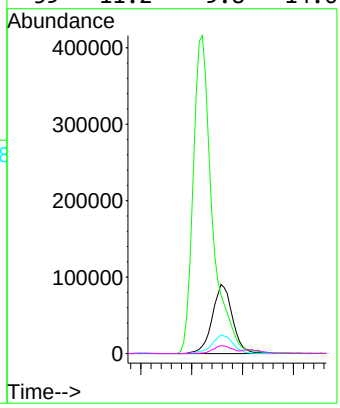
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

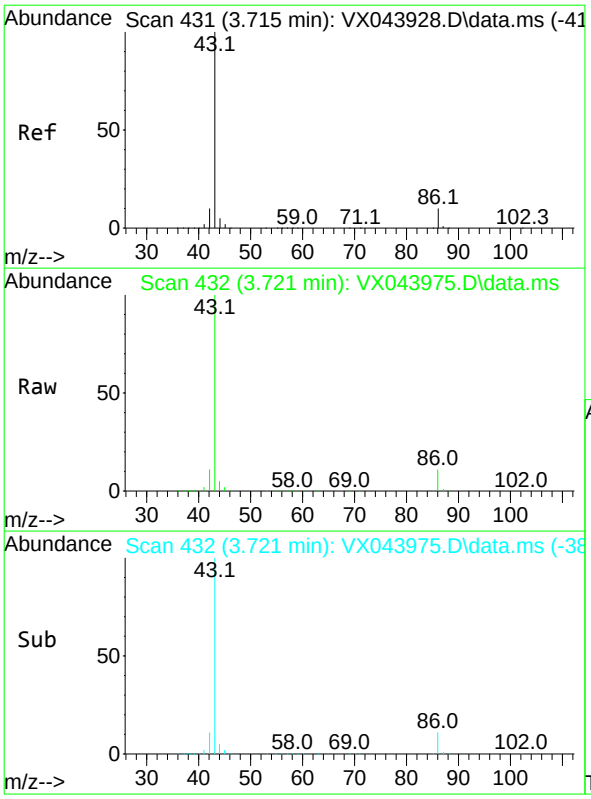


#22
Diisopropyl ether
Concen: 50.212 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 45 Resp: 248613

Ion	Ratio	Lower	Upper
45	100		
43	84.4	59.6	89.4
87	27.2	22.9	34.3
59	11.2	9.8	14.6

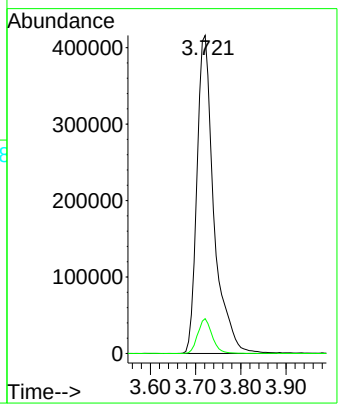




#23
Vinyl Acetate
Concen: 255.744 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 1083211

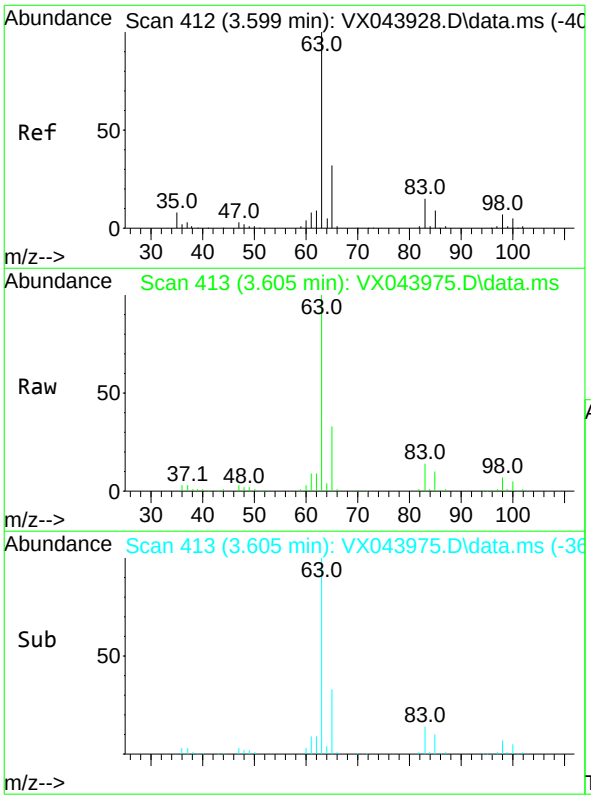
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

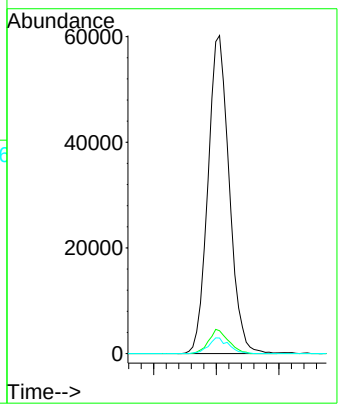
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

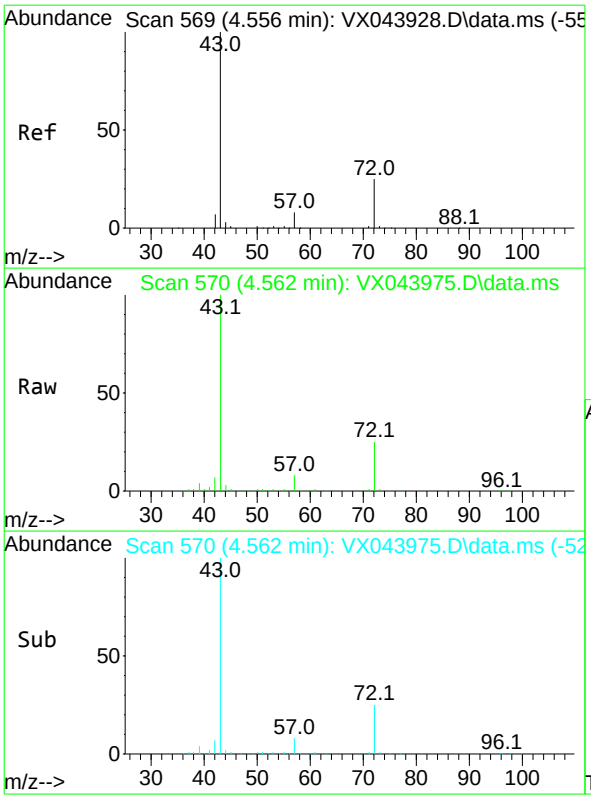


#24
1,1-Dichloroethane
Concen: 49.748 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 142098

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	4.9	2.4	7.1

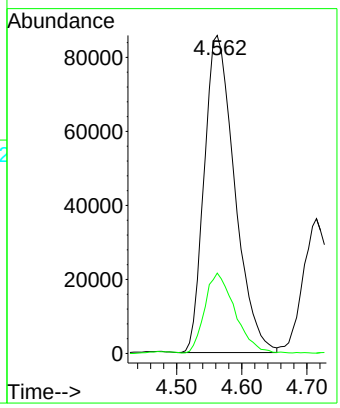




#25
2-Butanone
Concen: 222.822 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 278537

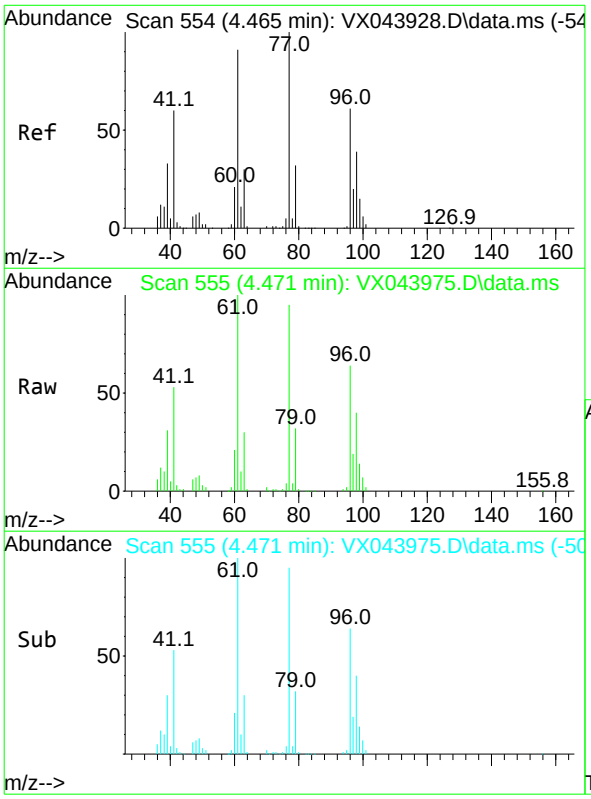
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

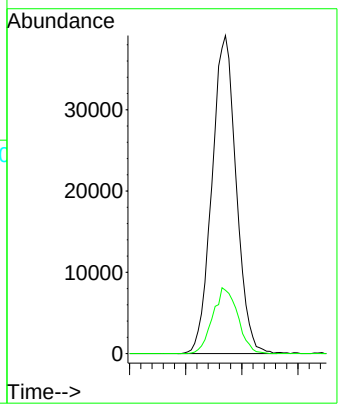
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

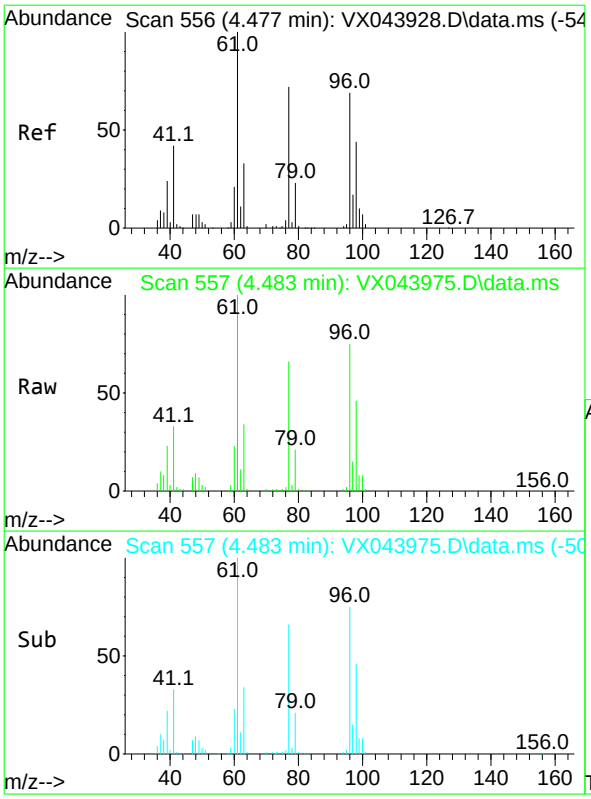


#26
2,2-Dichloropropane
Concen: 45.557 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 77 Resp: 117521

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.3

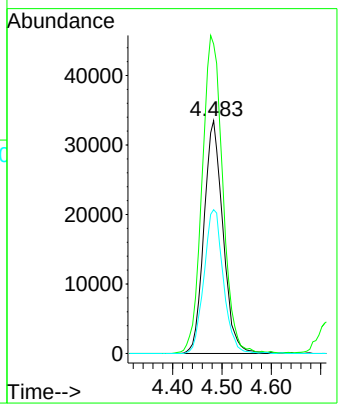




#27
cis-1,2-Dichloroethene
Concen: 49.483 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 89489

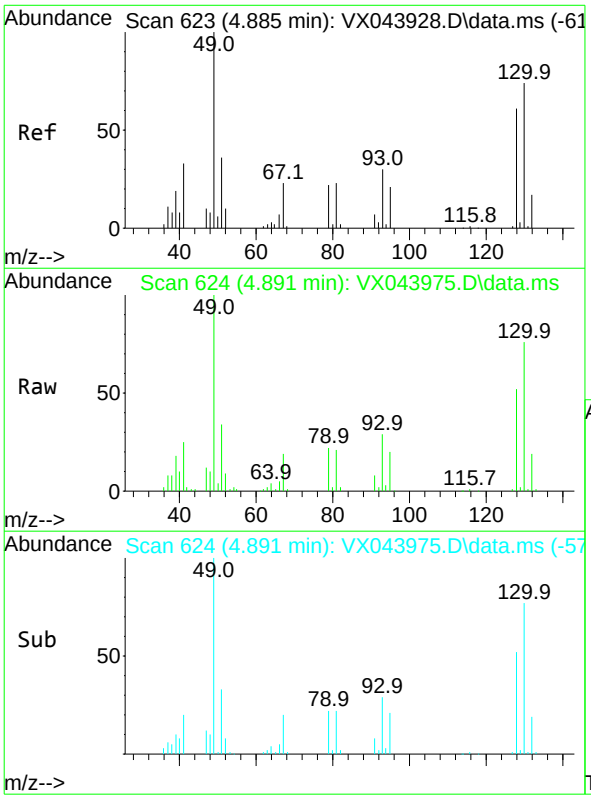
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	297.4
98	63.1	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

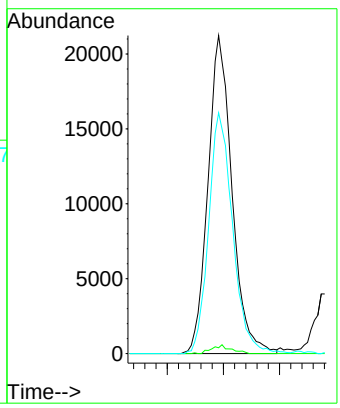
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

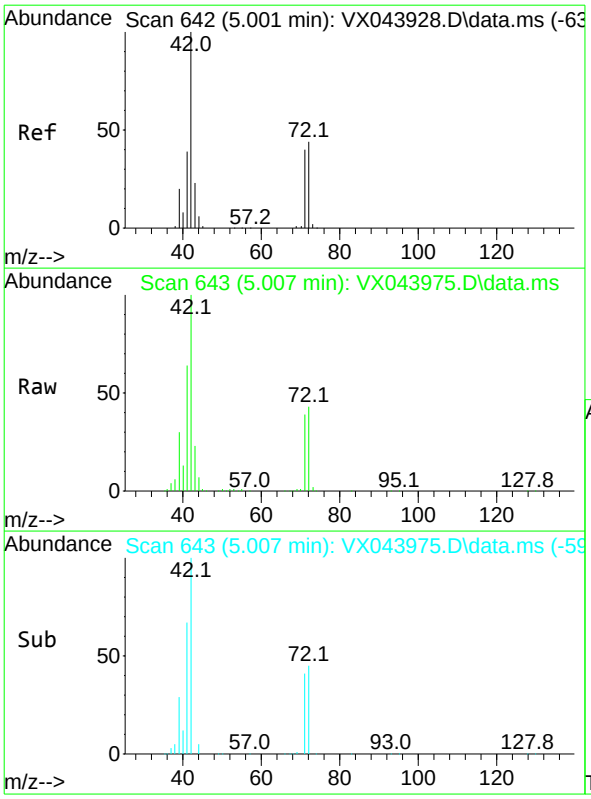


#28
Bromochloromethane
Concen: 50.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 49 Resp: 63042

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	75.6	59.0	88.6

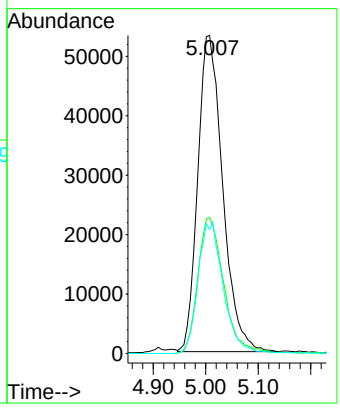




#29
Tetrahydrofuran
Concen: 229.176 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 42 Resp: 175631

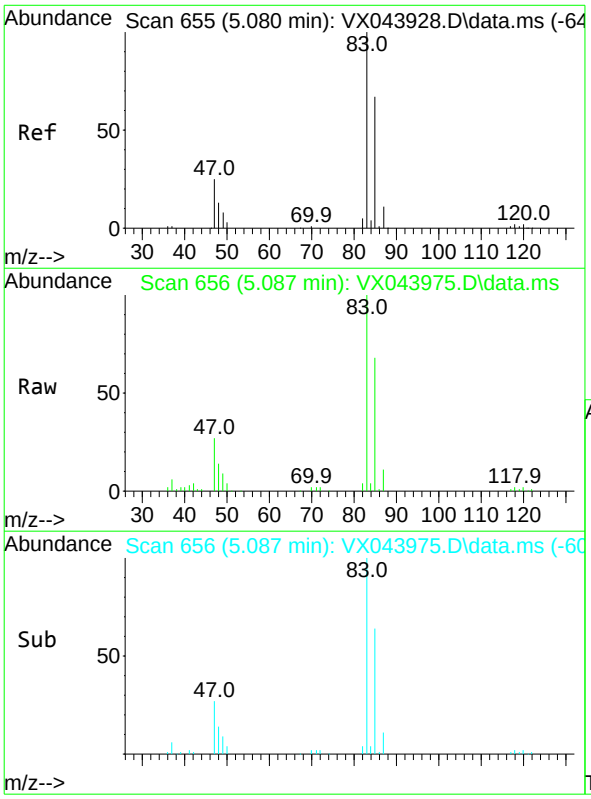
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	42.0	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

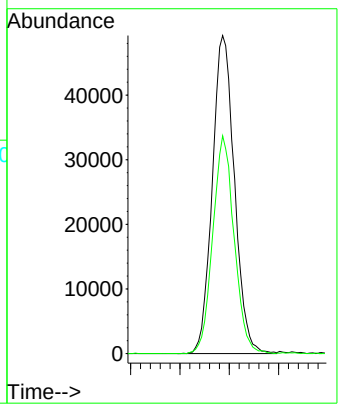
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

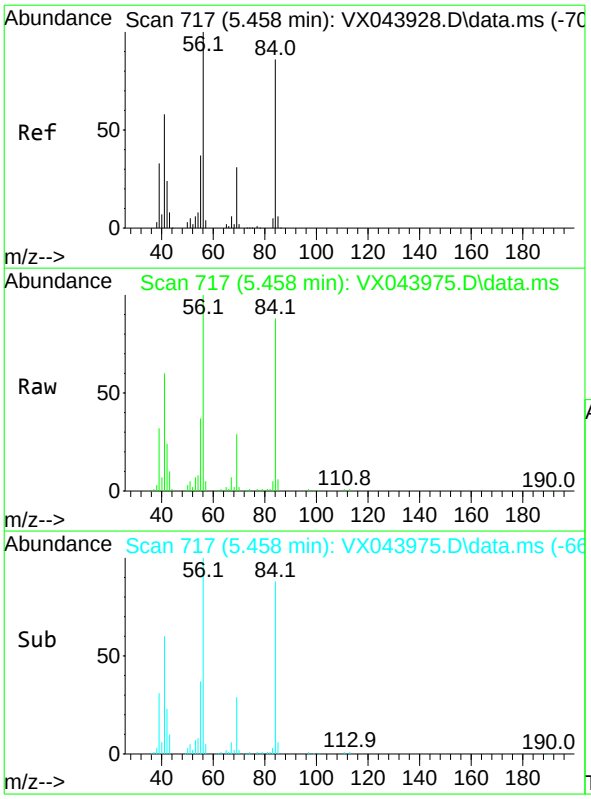


#30
Chloroform
Concen: 49.881 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 153240

Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.5	80.3

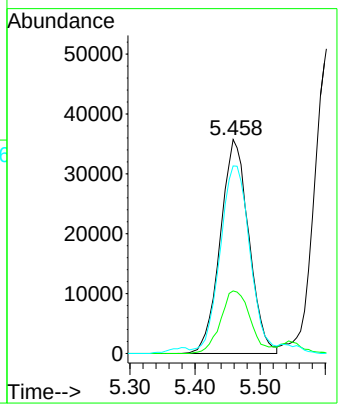




#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 56 Resp: 108654

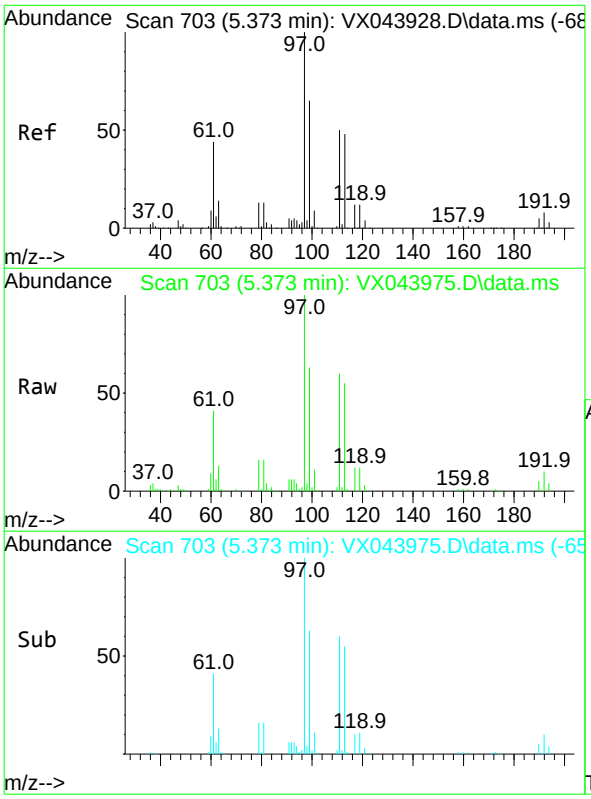
Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.7	37.1
84	85.4	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

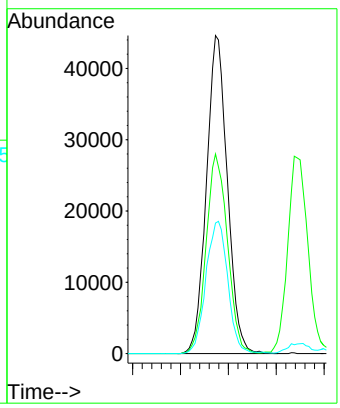
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

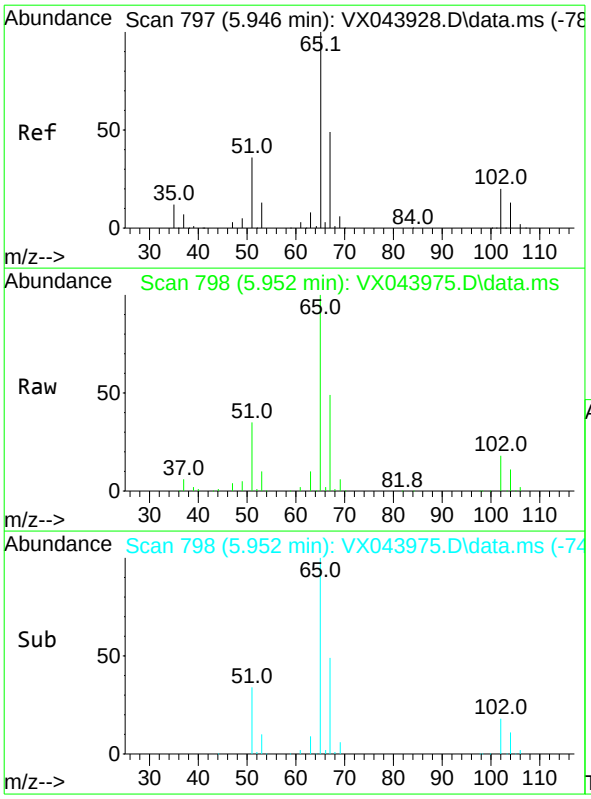


#32
1,1,1-Trichloroethane
Concen: 51.132 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 135463

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	43.7	35.4	53.2

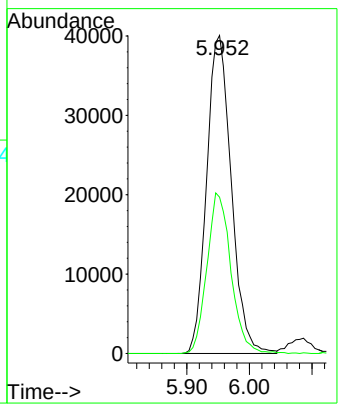




#33
1,2-Dichloroethane-d4
Concen: 51.858 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 65 Resp: 109385

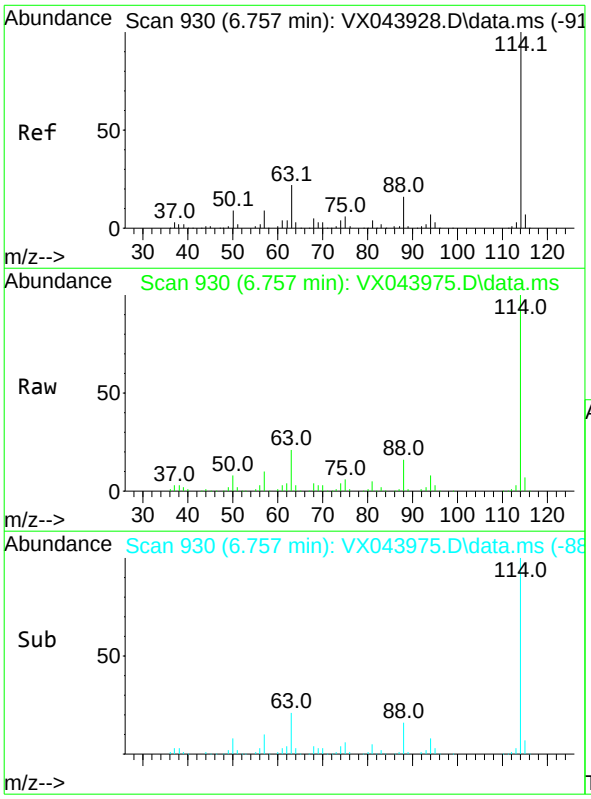
Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

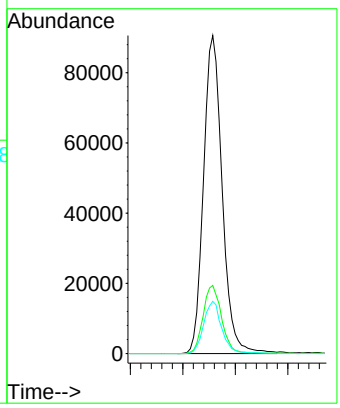
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

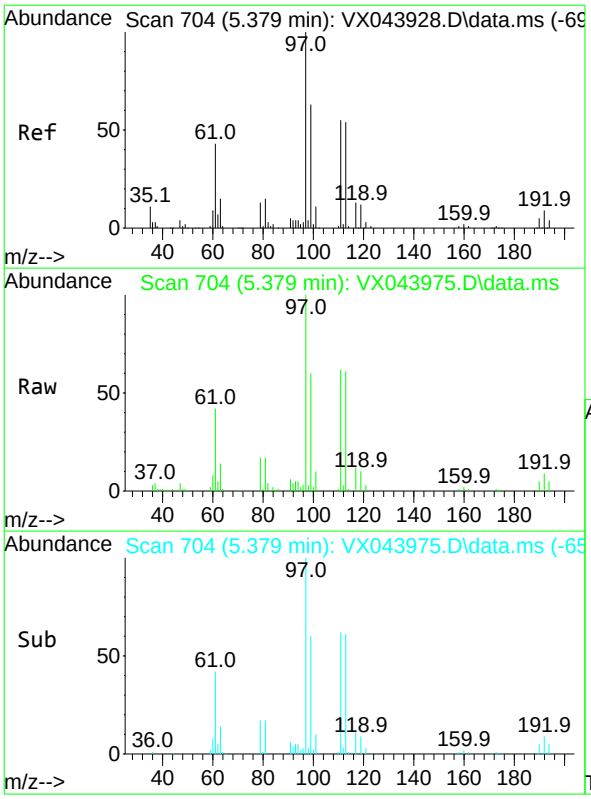


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:114 Resp: 223634

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.4	0.0	32.4

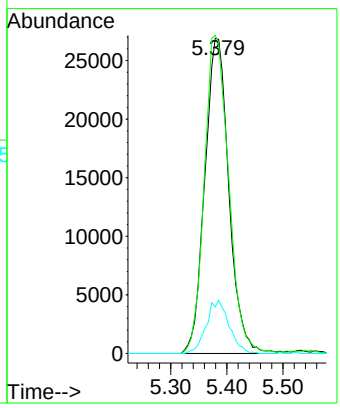




#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:113 Resp: 80080

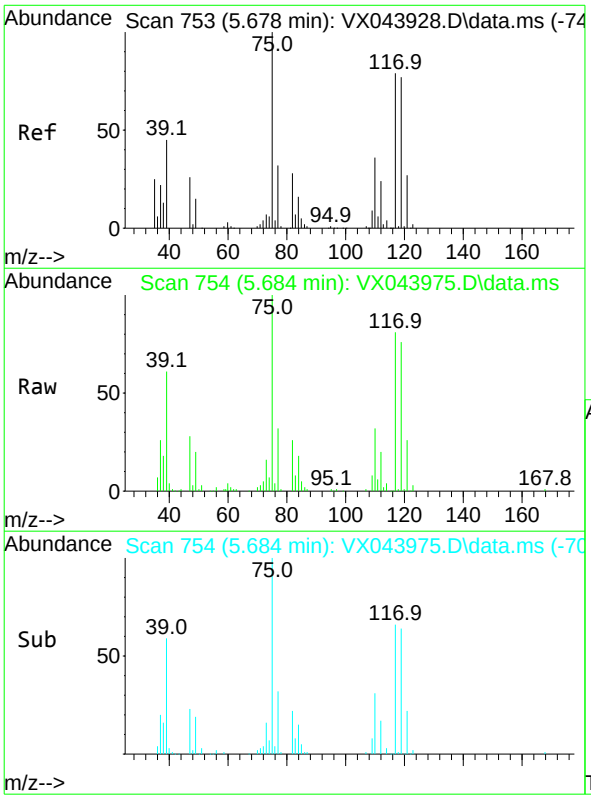
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	16.0	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

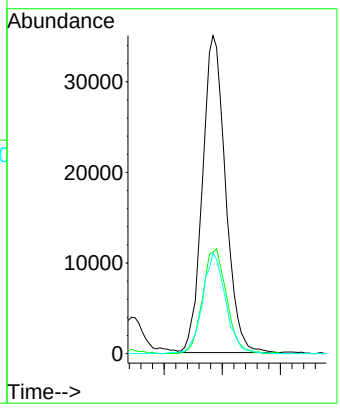
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

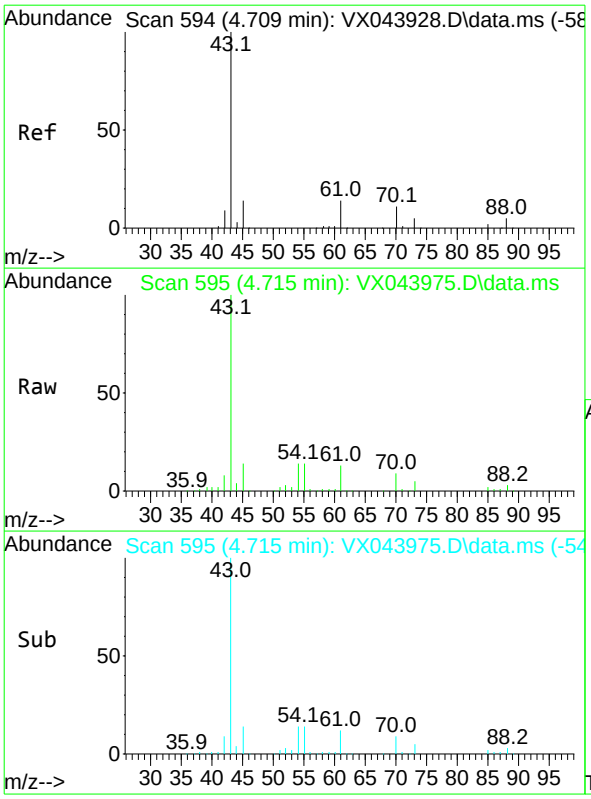


#36
1,1-Dichloropropene
Concen: 48.403 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 96384

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.2
77	31.9	25.8	38.8

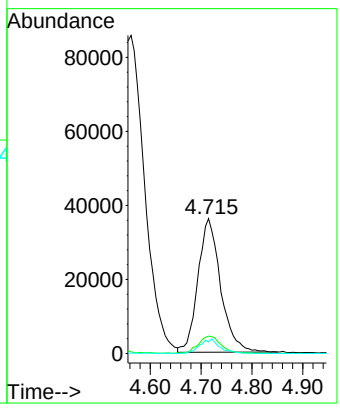




#37
Ethyl Acetate
Concen: 45.245 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 111838

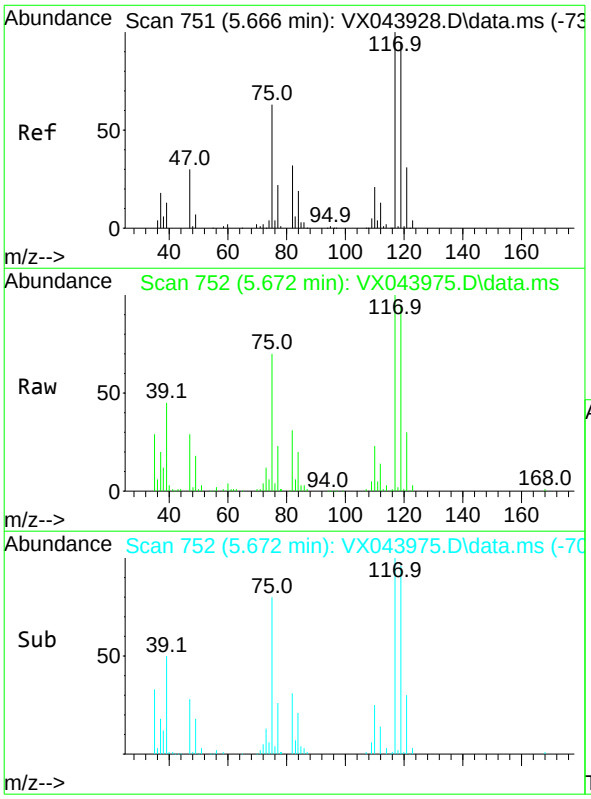
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.5	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

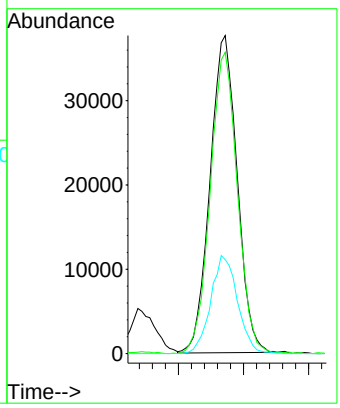
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

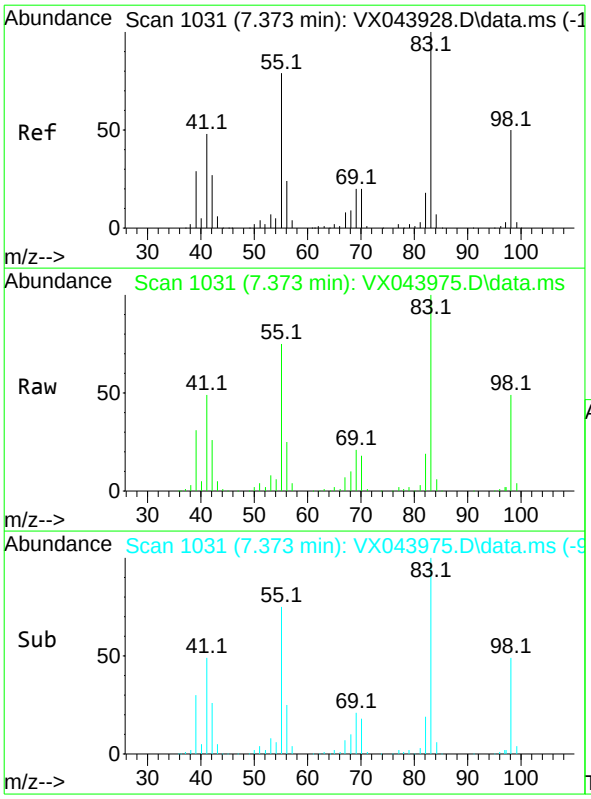


#38
Carbon Tetrachloride
Concen: 48.766 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 109113

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.2	112.8
121	29.7	24.5	36.7

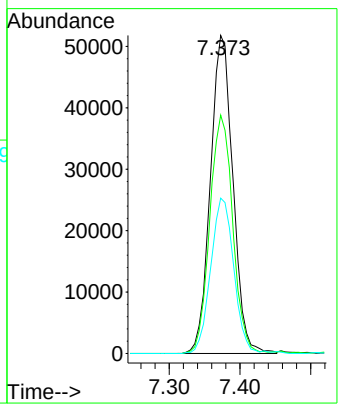




#39
Methylcyclohexane
Concen: 44.283 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 114556

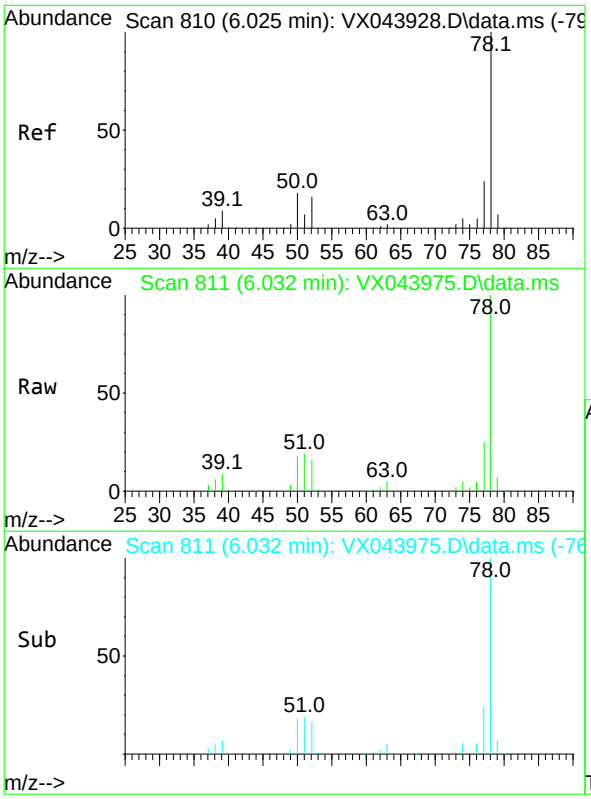
Ion	Ratio	Lower	Upper
83	100		
55	74.9	63.1	94.7
98	48.8	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

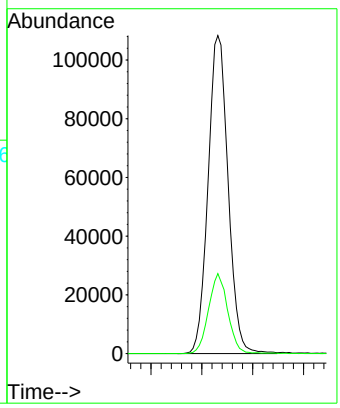
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

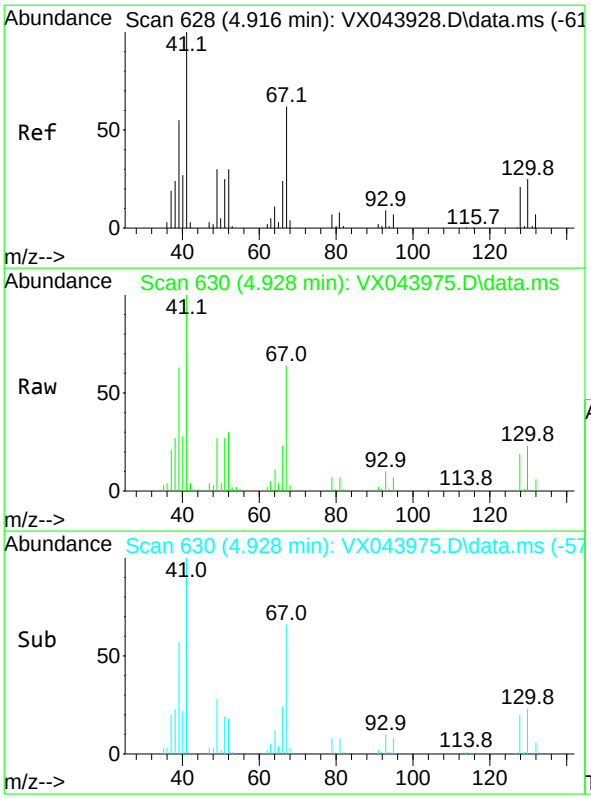


#40
Benzene
Concen: 47.732 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 78 Resp: 296066

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.2	28.8

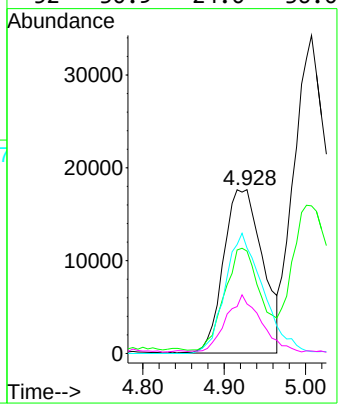




#41
Methacrylonitrile
Concen: 46.538 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

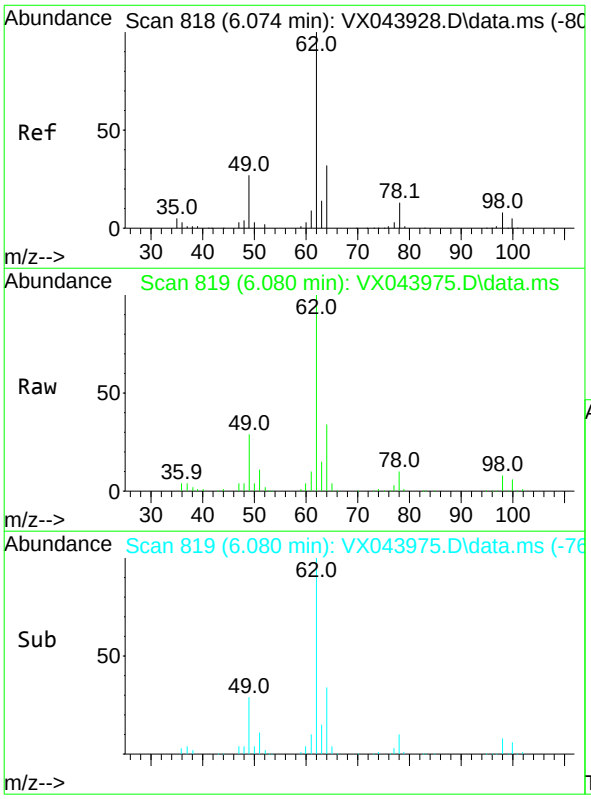
Tgt Ion: 41 Resp: 58876

Ion	Ratio	Lower	Upper
41	100		
39	57.9	41.7	62.5
67	72.3	55.8	83.8
52	30.9	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

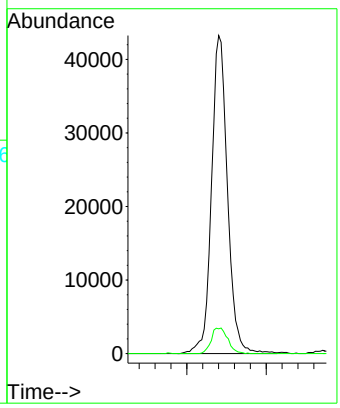
Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

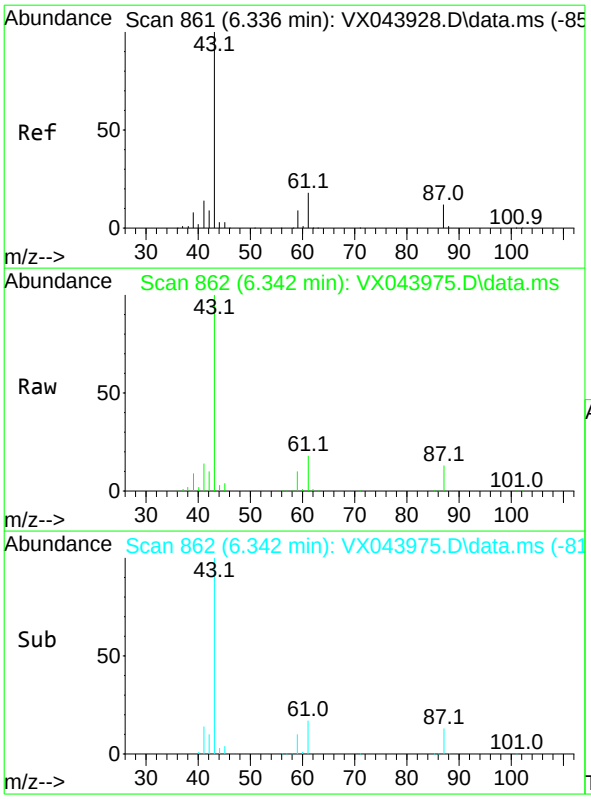


#42
1,2-Dichloroethane
Concen: 48.527 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 120886

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4

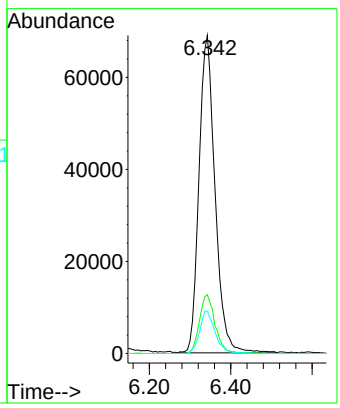




#43
Isopropyl Acetate
Concen: 48.002 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 188827

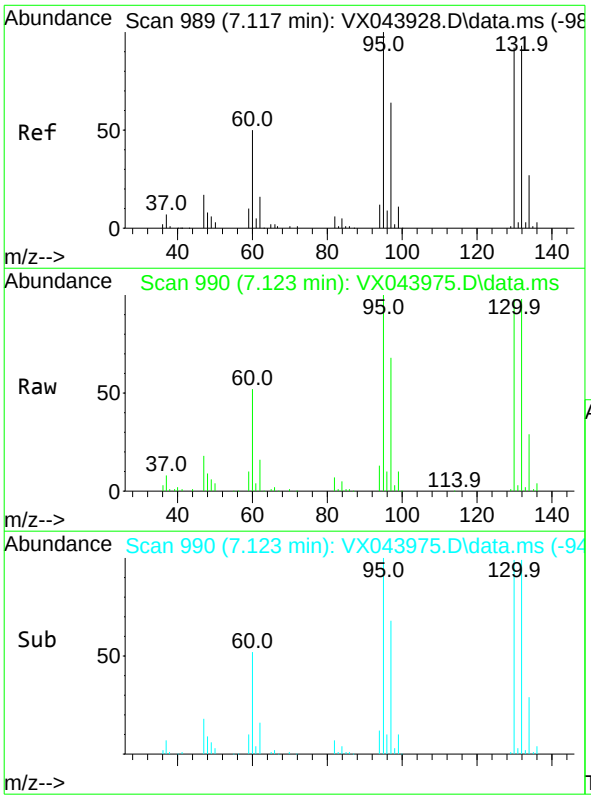
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

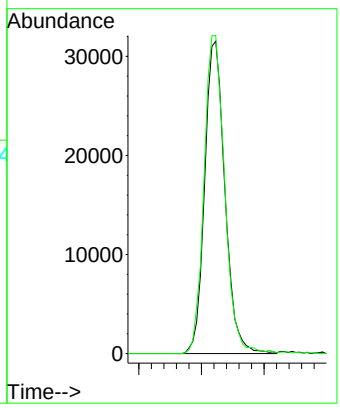
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

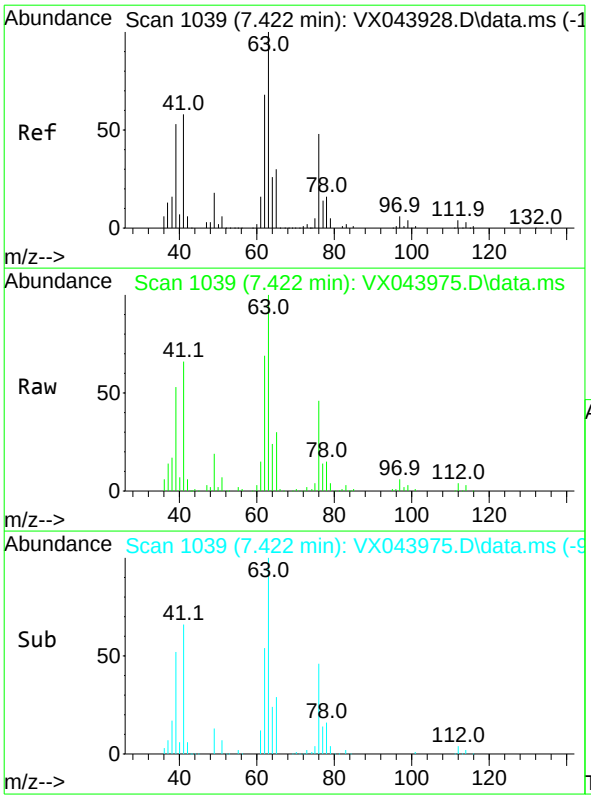


#44
Trichloroethene
Concen: 40.354 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:130 Resp: 70858

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	217.8





#45
1,2-Dichloropropane
Concen: 48.373 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

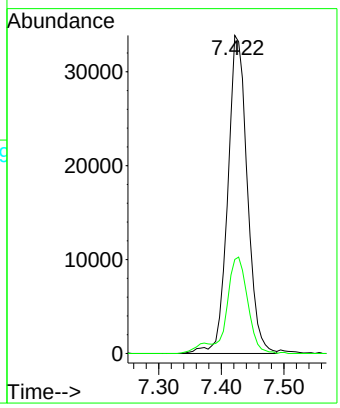
Tgt Ion: 63 Resp: 73488

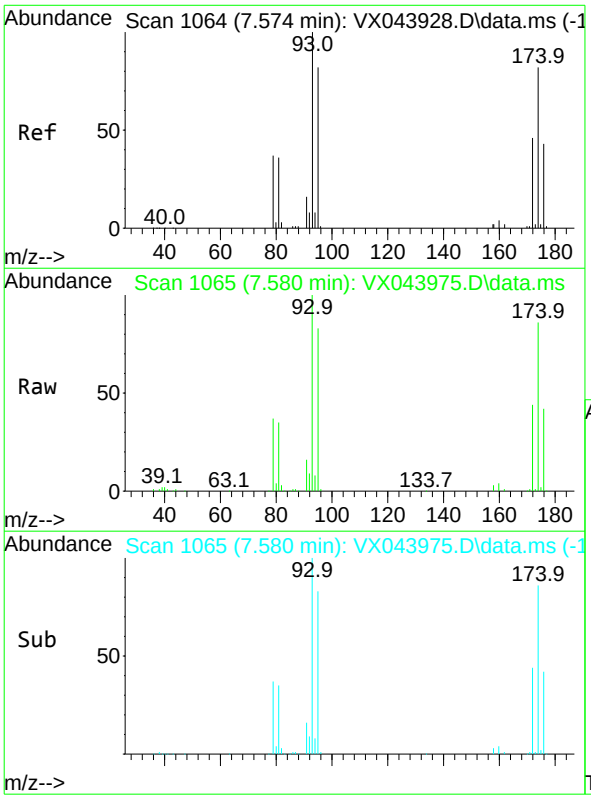
Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

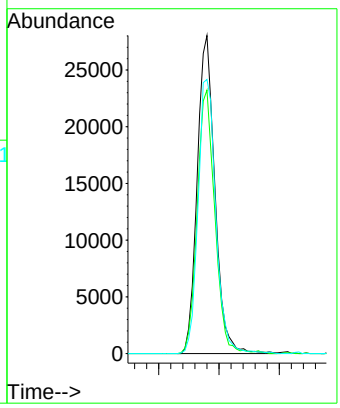


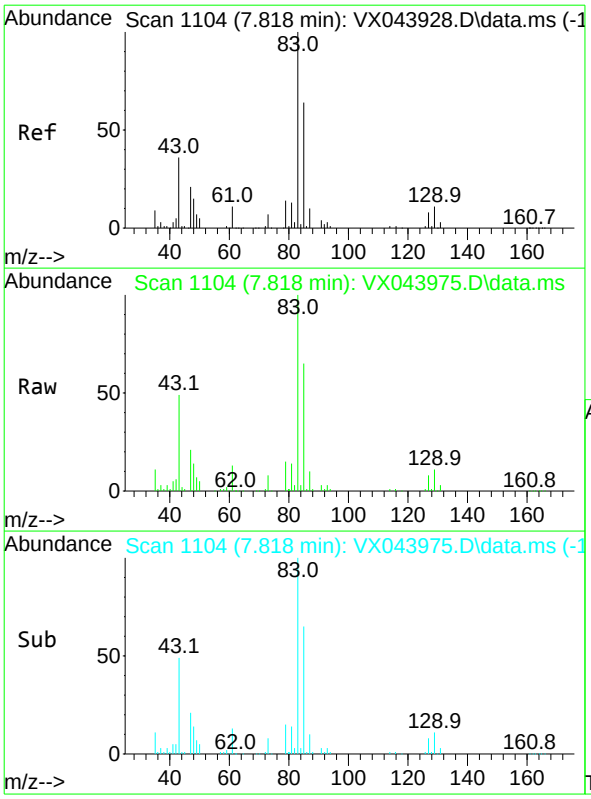


#46
Dibromomethane
Concen: 47.608 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	86.7	69.6	104.4

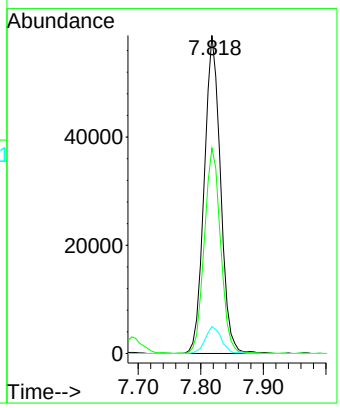




#47
Bromodichloromethane
Concen: 49.233 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 106111

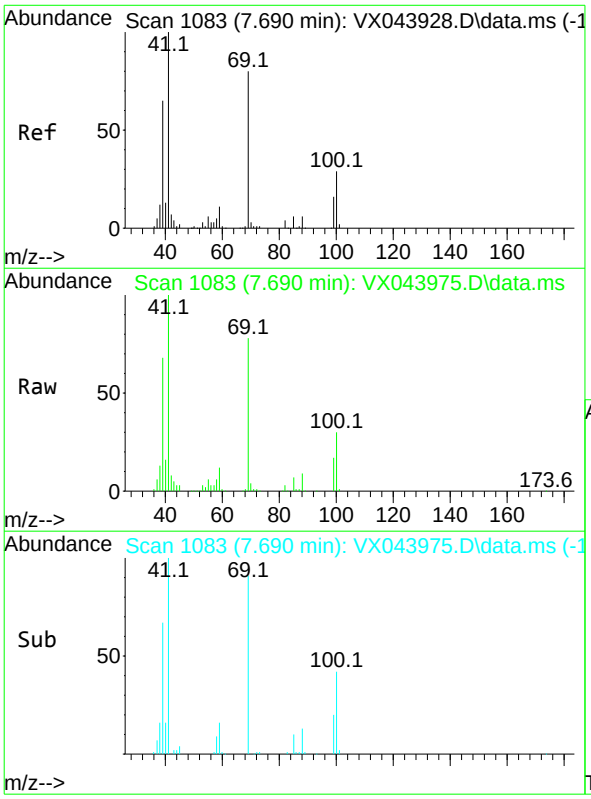
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	8.5	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

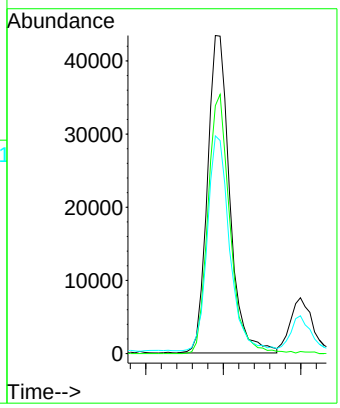
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

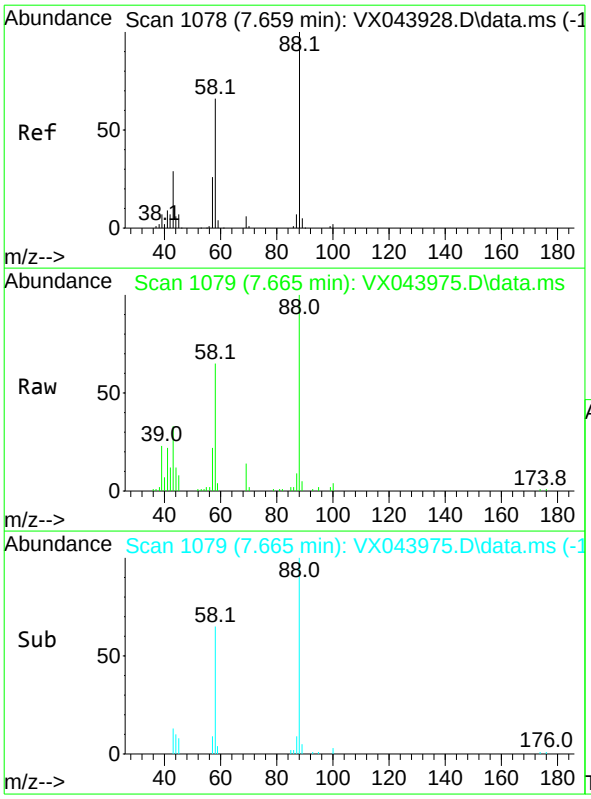


#48
Methyl methacrylate
Concen: 45.987 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 86803

Ion	Ratio	Lower	Upper
41	100		
69	80.4	64.6	97.0
39	67.2	53.3	79.9

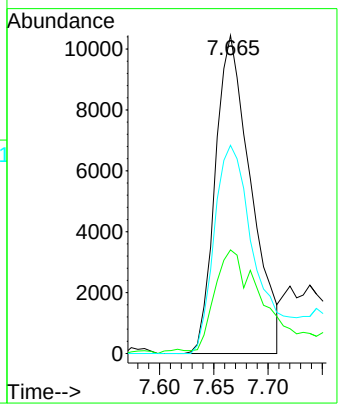




#49
1,4-Dioxane
Concen: 708.970 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 88 Resp: 23838

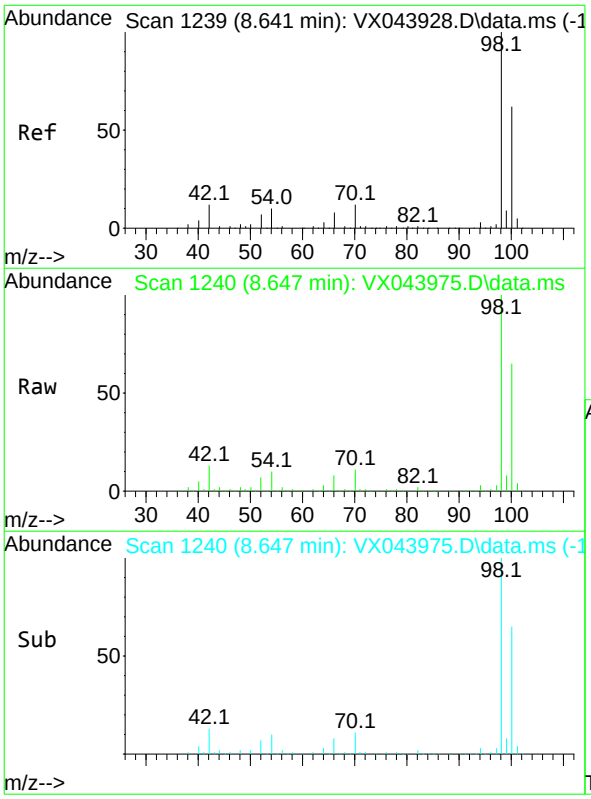
Ion	Ratio	Lower	Upper
88	100		
43	43.2	26.8	40.2#
58	76.3	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

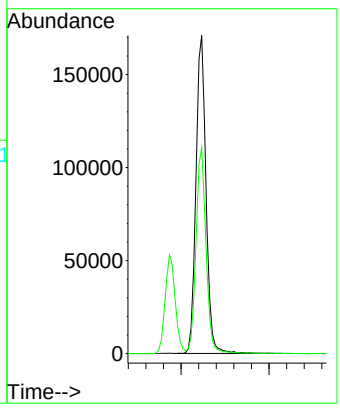
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

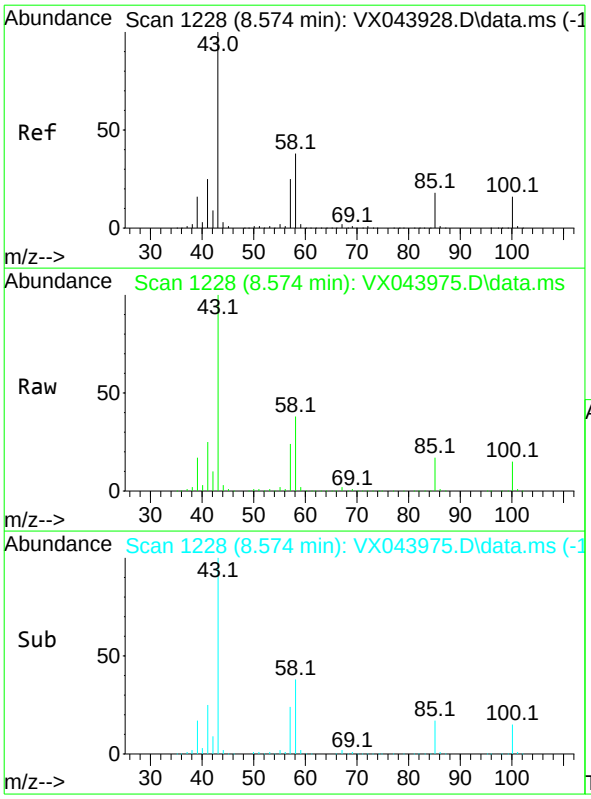


#50
Toluene-d8
Concen: 49.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 98 Resp: 272032

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0

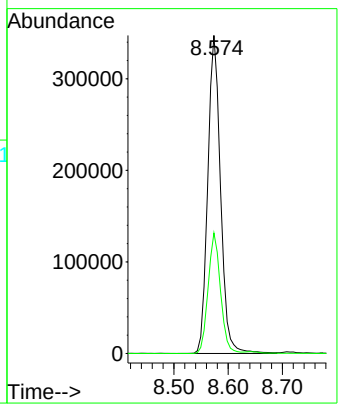




#51
4-Methyl-2-Pentanone
Concen: 237.028 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 569005

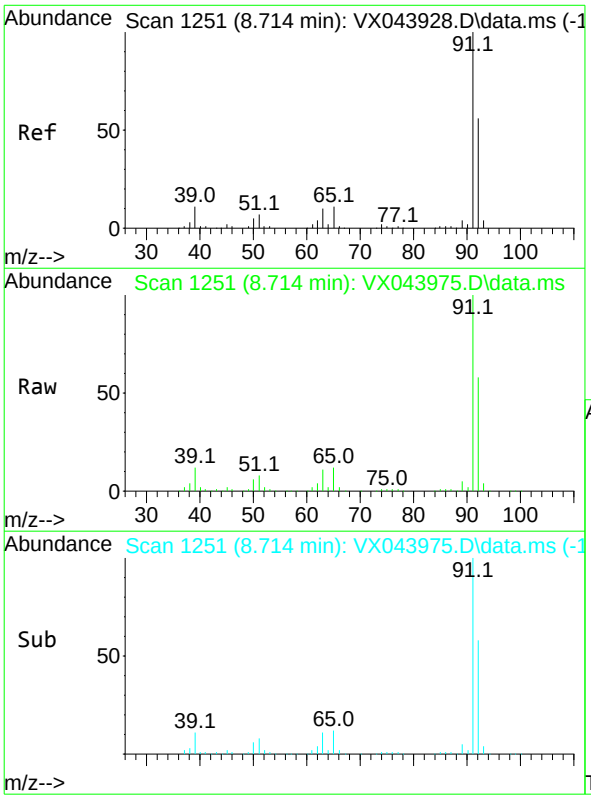
Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

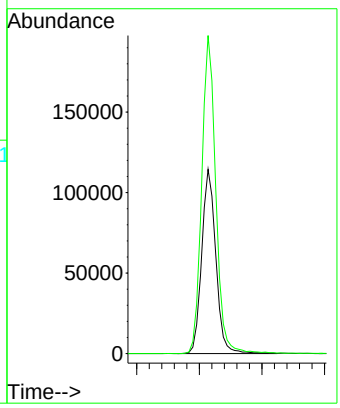
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

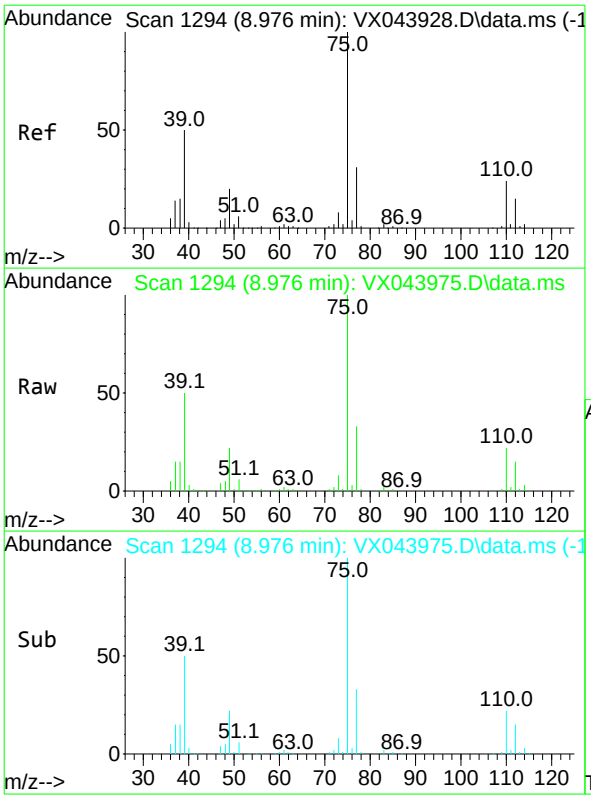


#52
Toluene
Concen: 48.314 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 92 Resp: 179366

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.7	209.5

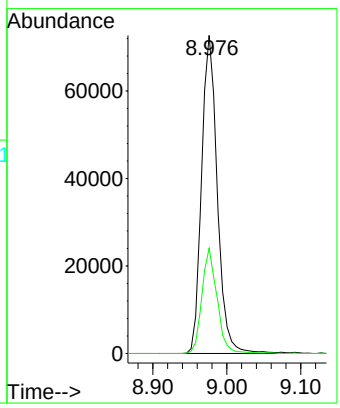




#53
t-1,3-Dichloropropene
Concen: 48.867 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 107403

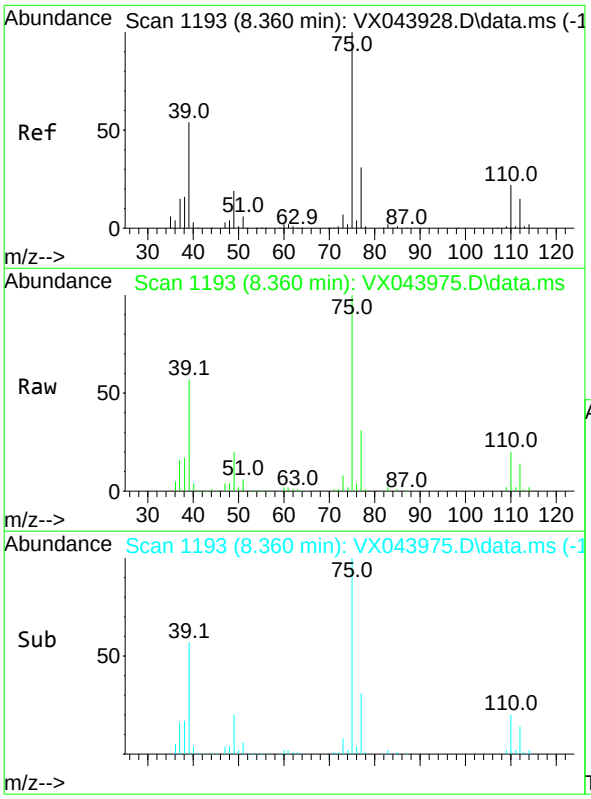
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

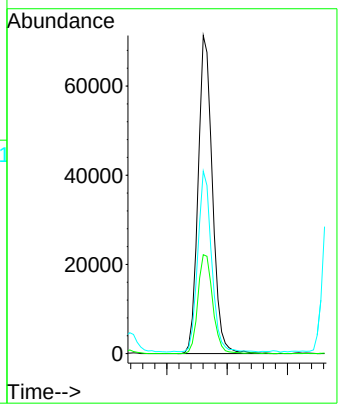
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

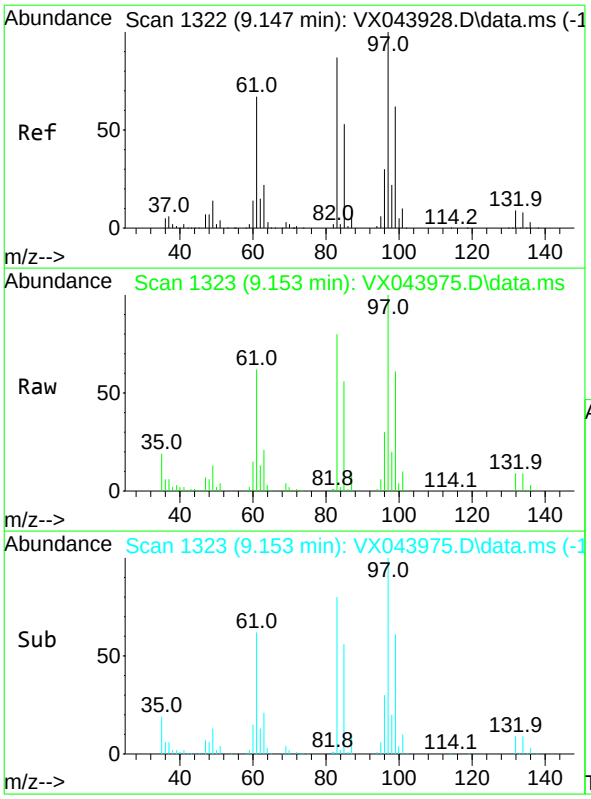


#54
cis-1,3-Dichloropropene
Concen: 48.756 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 117473

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	56.8	43.1	64.7

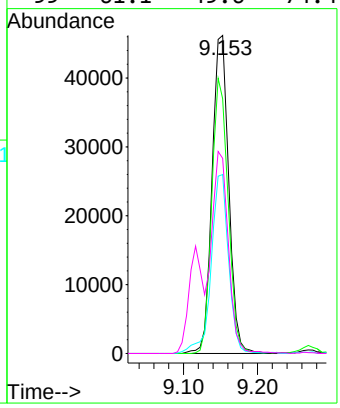




#55
1,1,2-Trichloroethane
Concen: 47.244 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 72401

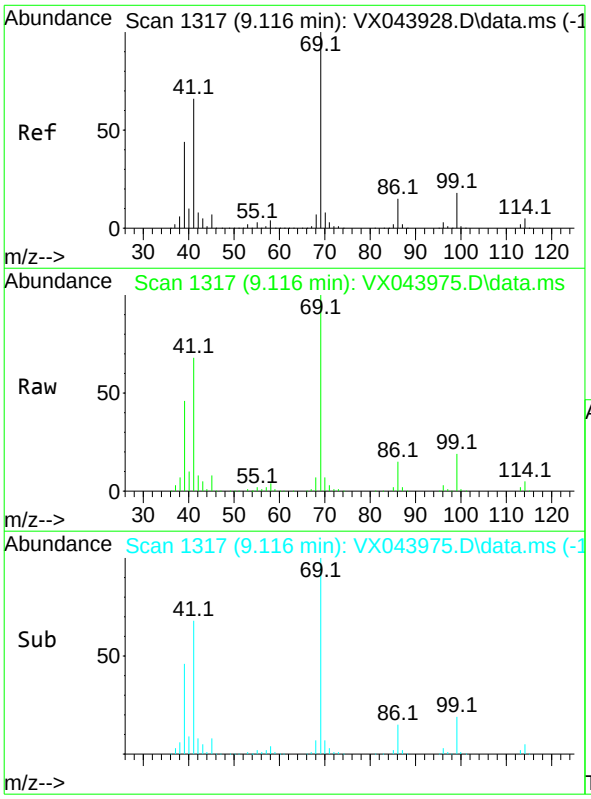
Ion	Ratio	Lower	Upper
97	100		
83	80.1	69.4	104.0
85	56.1	42.3	63.5
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

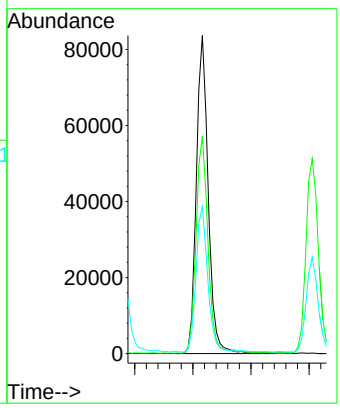
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

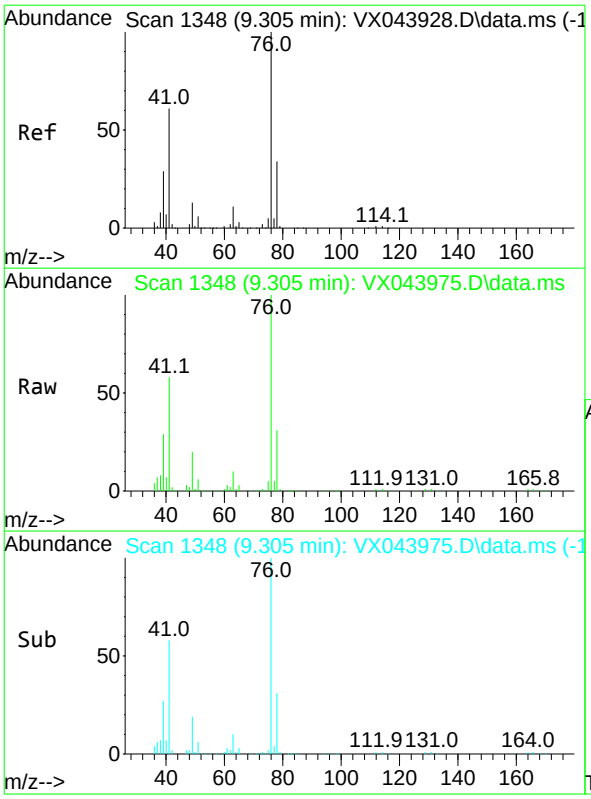


#56
Ethyl methacrylate
Concen: 49.720 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 69 Resp: 118682

Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.8
39	45.4	36.7	55.1

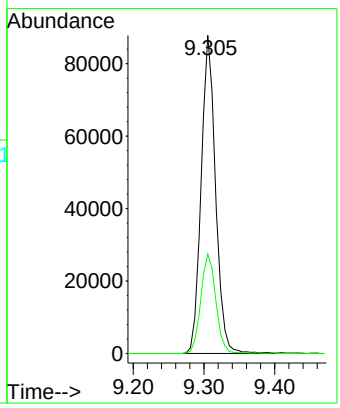




#57
1,3-Dichloropropane
Concen: 48.020 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 76 Resp: 123967

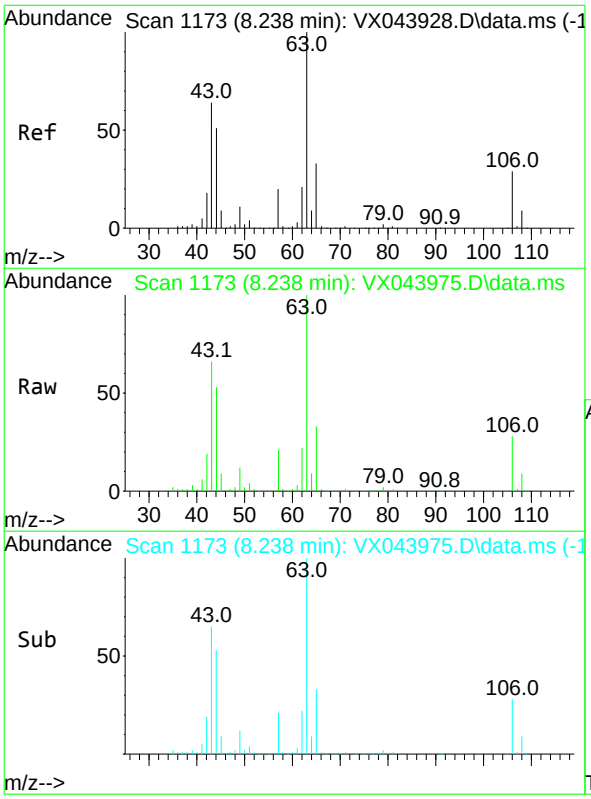
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

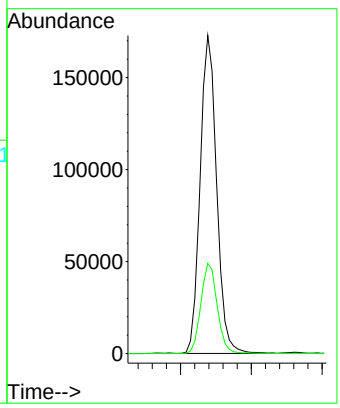
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

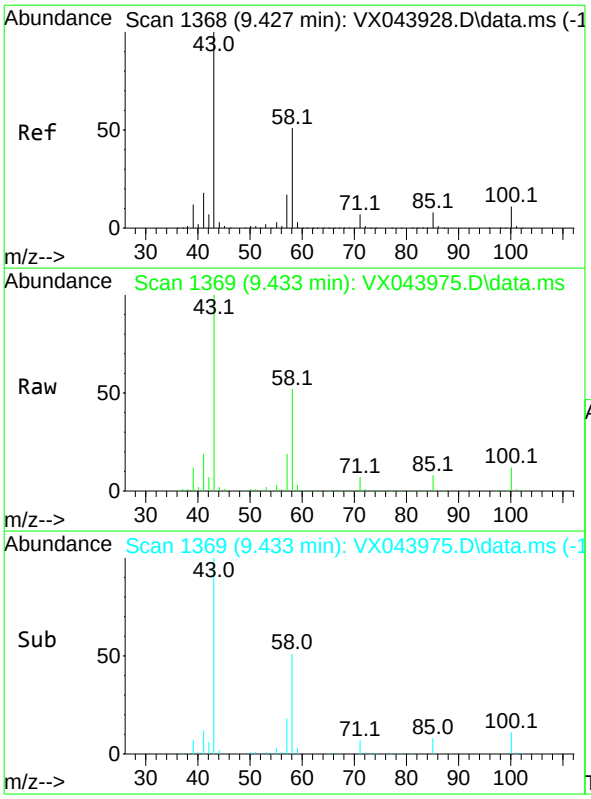


#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 279741

Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.0	34.6

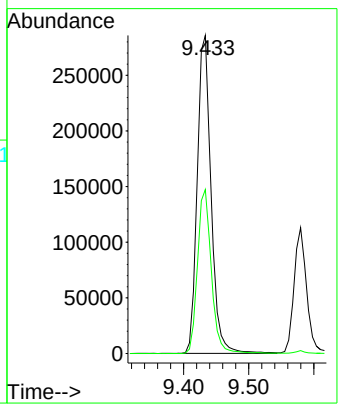




#59
2-Hexanone
Concen: 233.298 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 420948

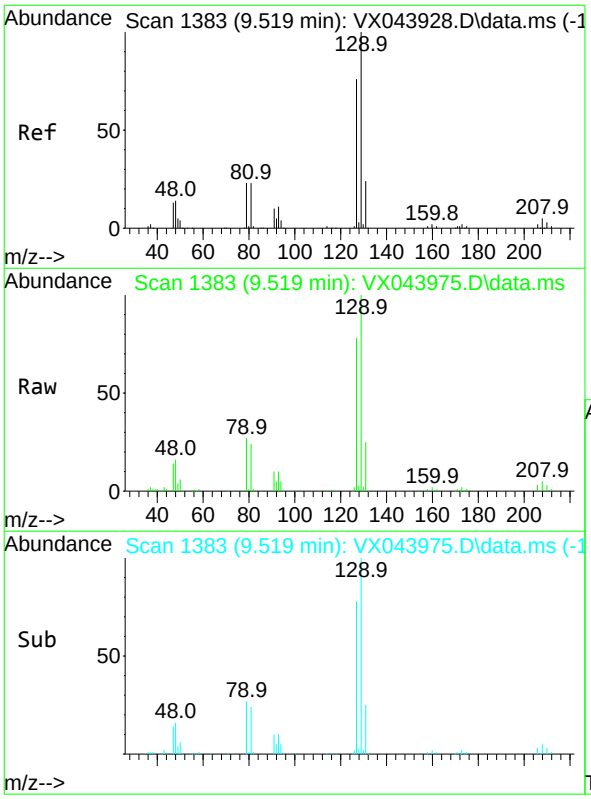
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

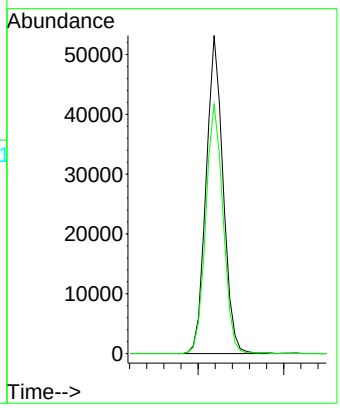
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

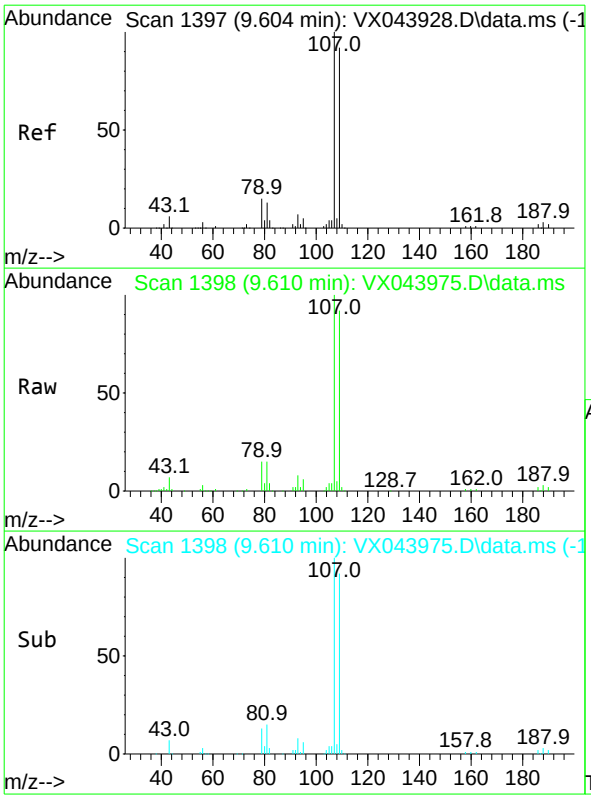


#60
Dibromochloromethane
Concen: 47.547 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:129 Resp: 73109

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.2	114.6

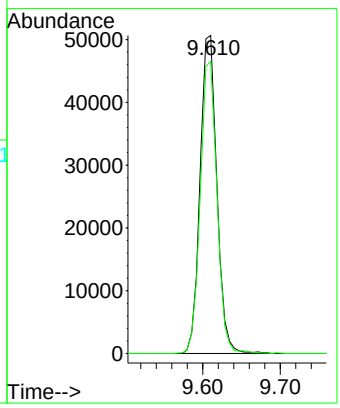




#61
1,2-Dibromoethane
Concen: 49.118 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:107 Resp: 76113

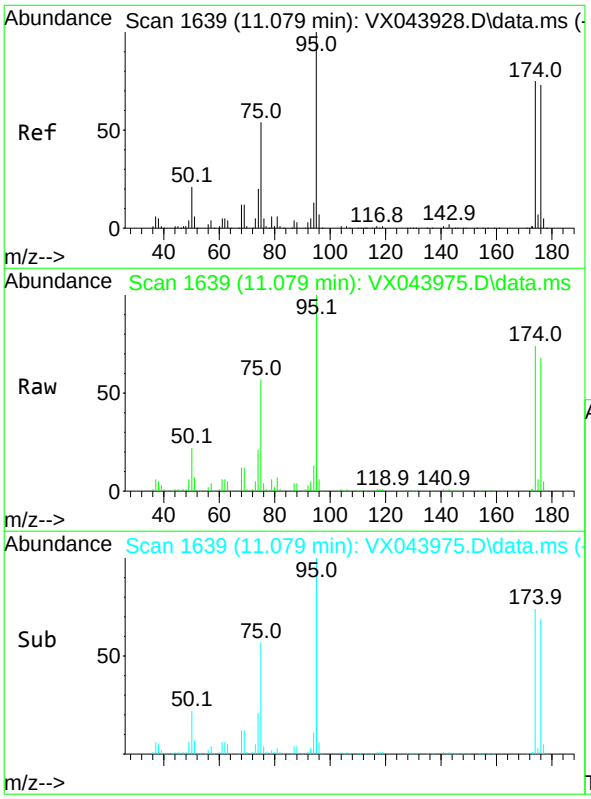
Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

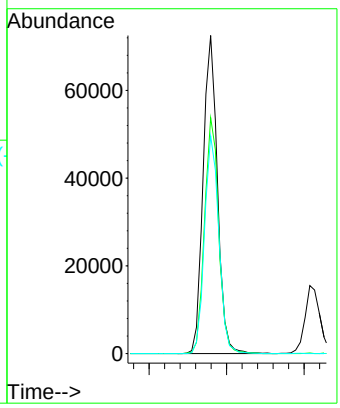
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

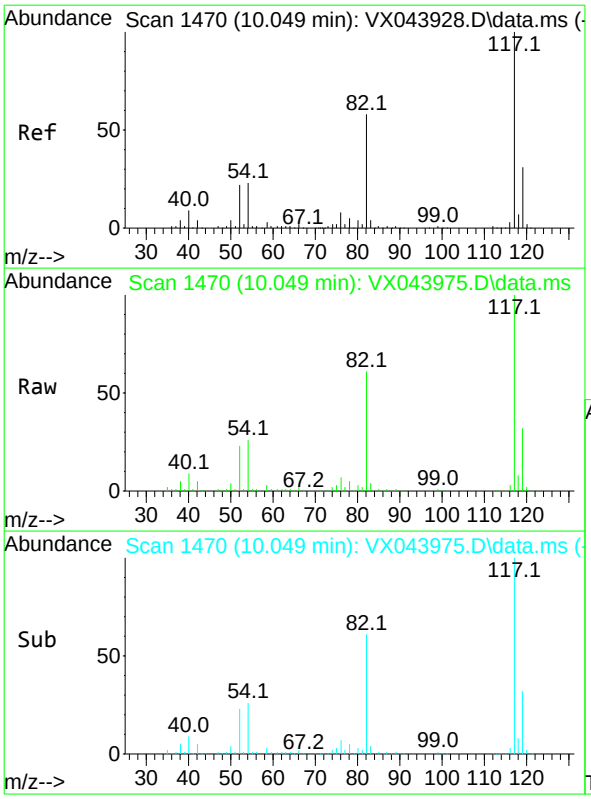


#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	150.4
176	68.4	0.0	146.0

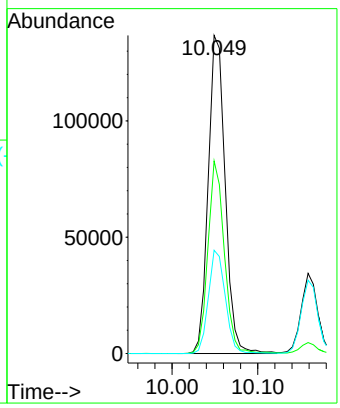




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 188299

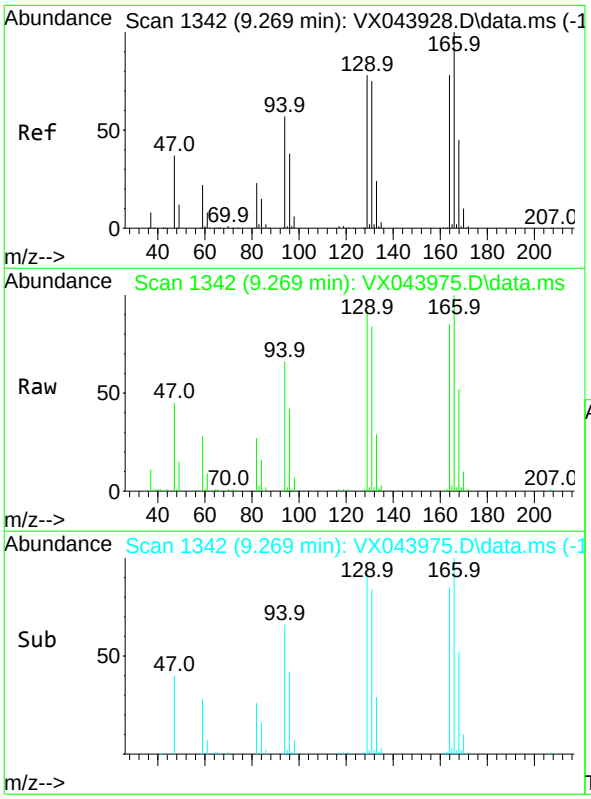
Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.4	69.6
119	32.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

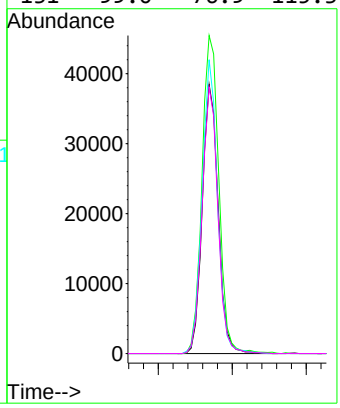
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

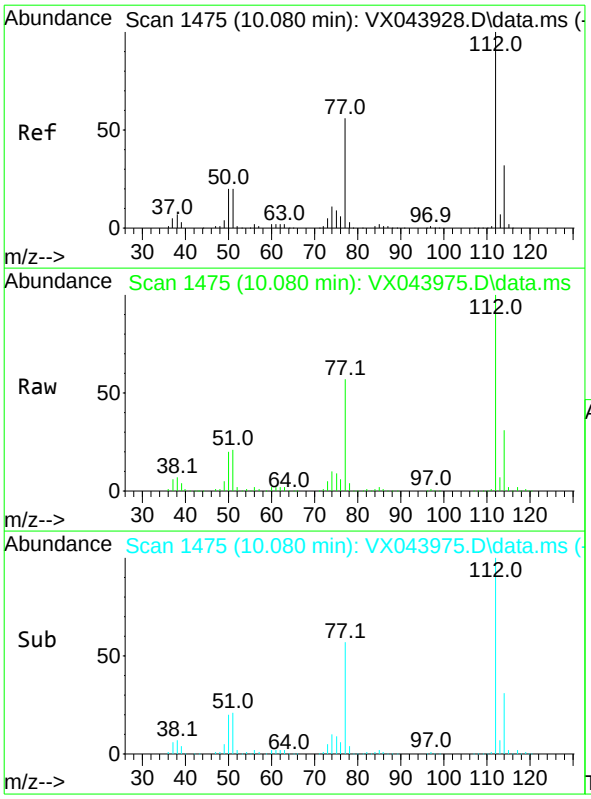


#64
Tetrachloroethene
Concen: 46.307 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:164 Resp: 57495

Ion	Ratio	Lower	Upper
164	100		
166	118.2	102.1	153.1
129	109.2	79.6	119.4
131	99.0	76.9	115.3





#65
Chlorobenzene
Concen: 47.680 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

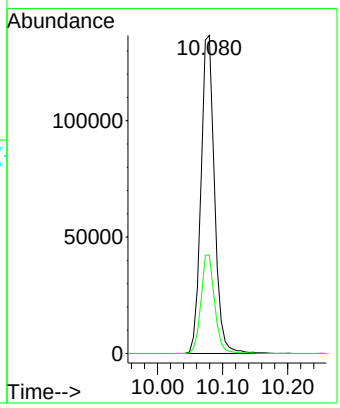
Tgt Ion:112 Resp: 197185

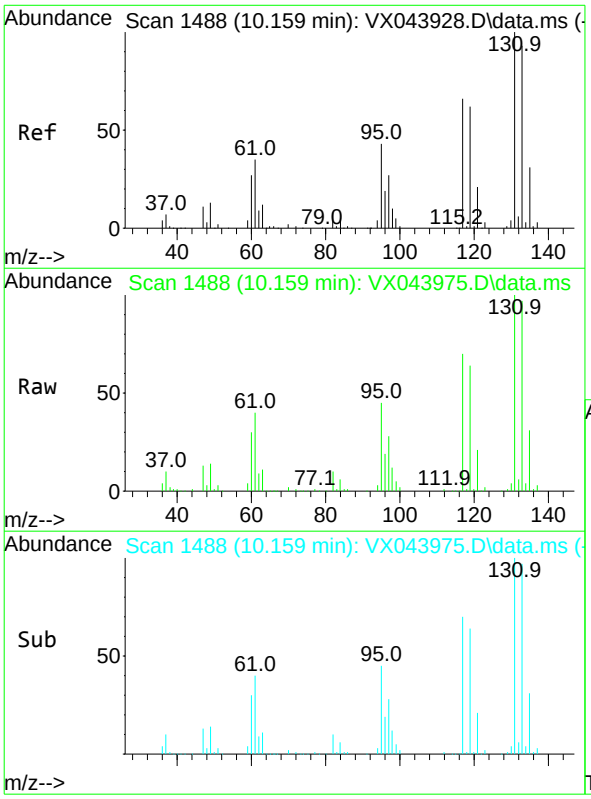
Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

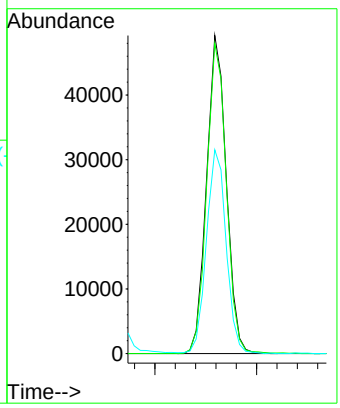


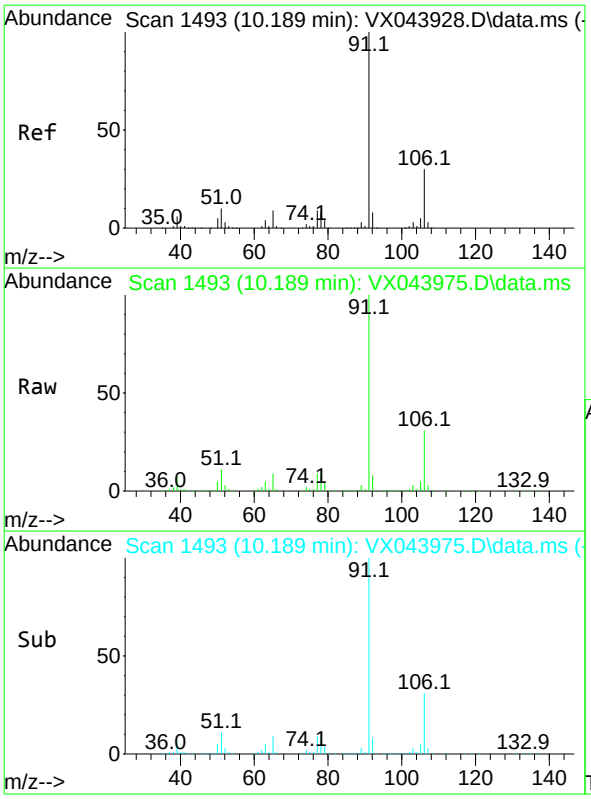


#66
1,1,1,2-Tetrachloroethane
Concen: 49.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:131 Resp: 66254

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.2	144.6
119	64.2	31.5	94.5





#67
Ethyl Benzene
Concen: 48.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

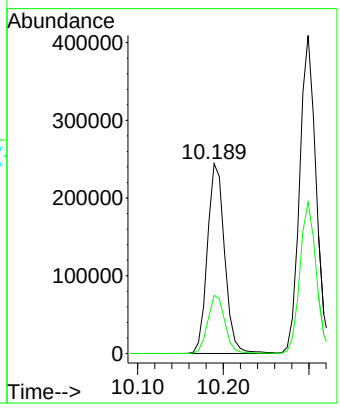
Tgt Ion: 91 Resp: 341272

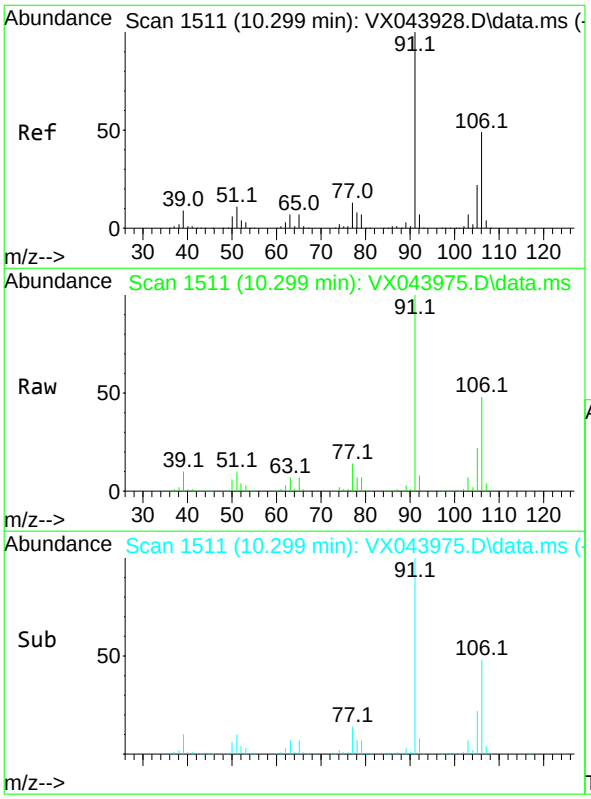
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

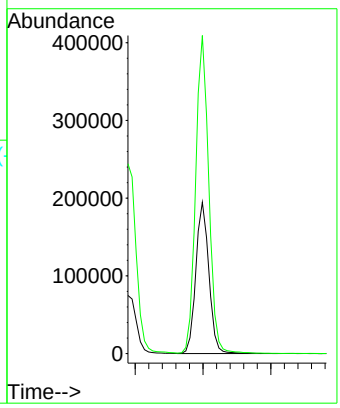


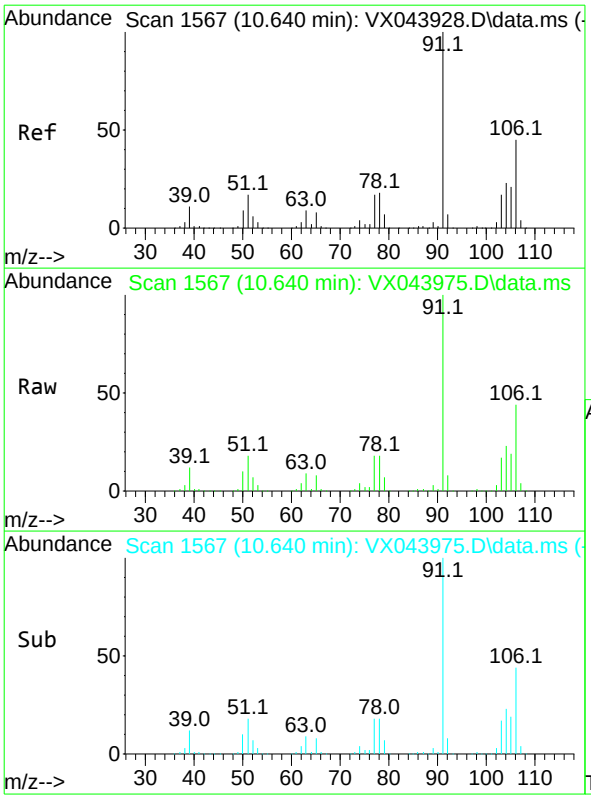


#68
m/p-Xylenes
Concen: 99.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:106 Resp: 259471

Ion	Ratio	Lower	Upper
106	100		
91	211.5	168.1	252.1

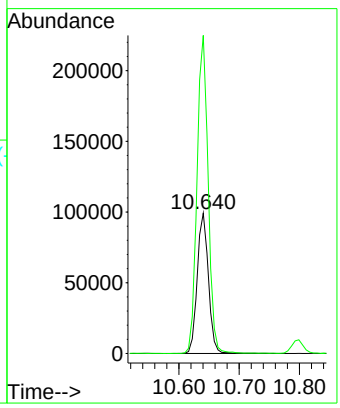




#69
o-Xylene
Concen: 49.924 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:106 Resp: 127383

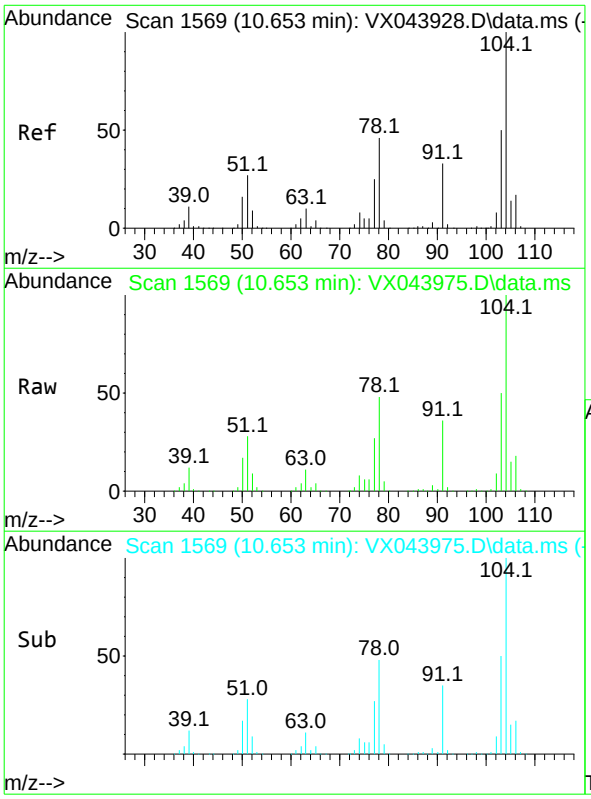
Ion	Ratio	Lower	Upper
106	100		
91	226.5	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

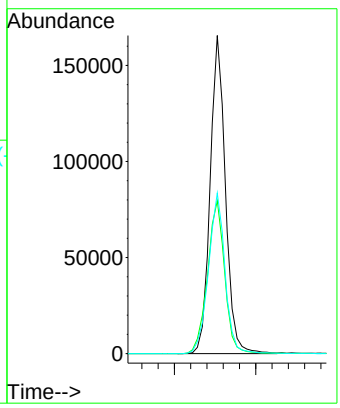
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

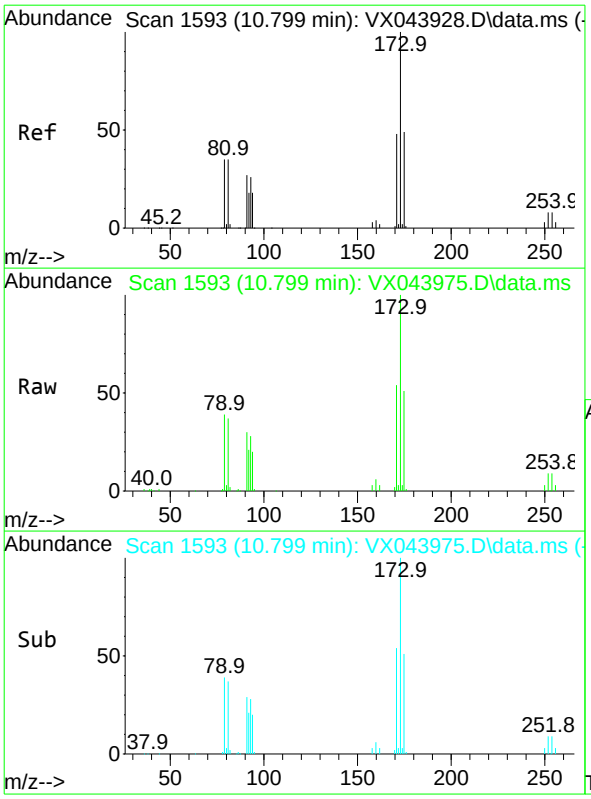


#70
Styrene
Concen: 51.134 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:104 Resp: 215795

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	54.8	44.7	67.1

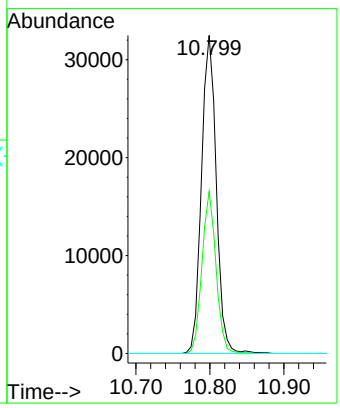




#71
Bromoform
Concen: 44.579 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:173 Resp: 45026

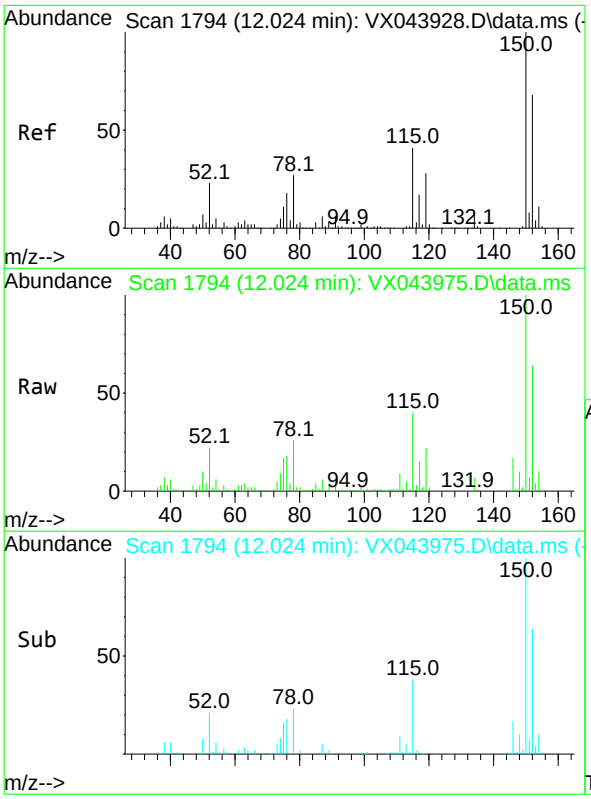
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

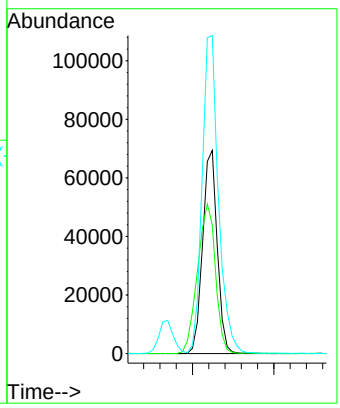
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

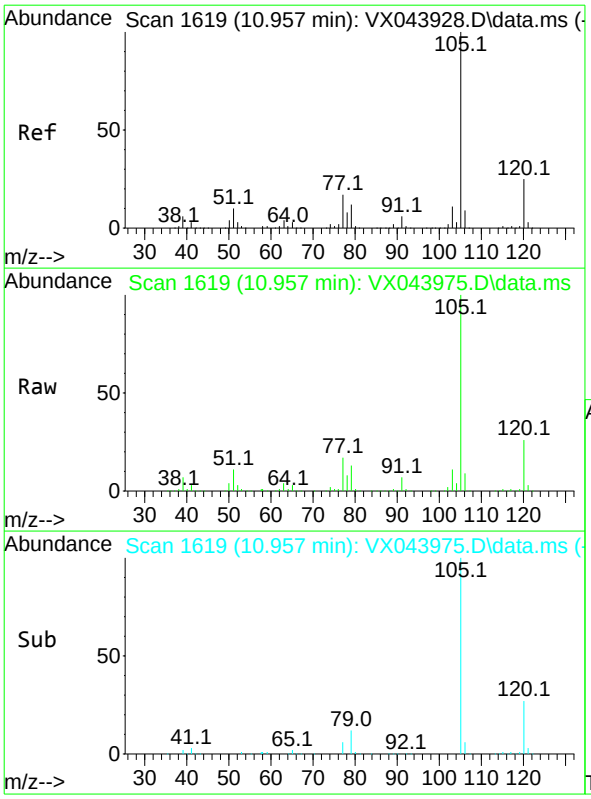


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:152 Resp: 86425

Ion	Ratio	Lower	Upper
152	100		
115	90.5	45.4	136.2
150	174.4	0.0	353.0

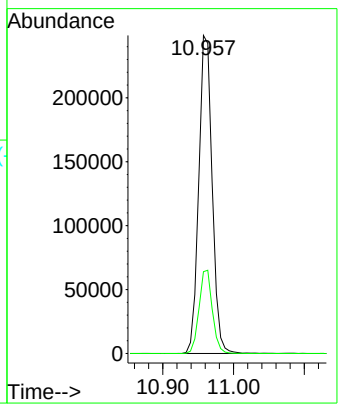




#73
Isopropylbenzene
Concen: 49.244 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 327150

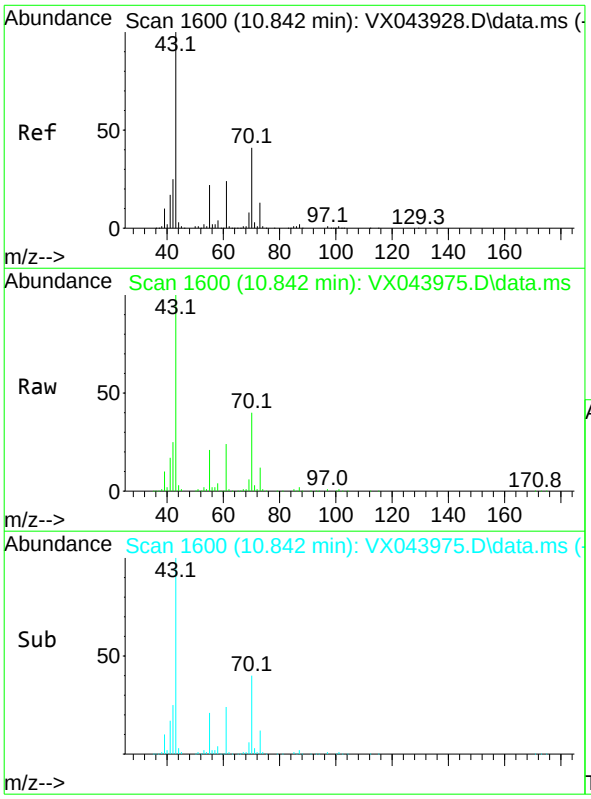
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

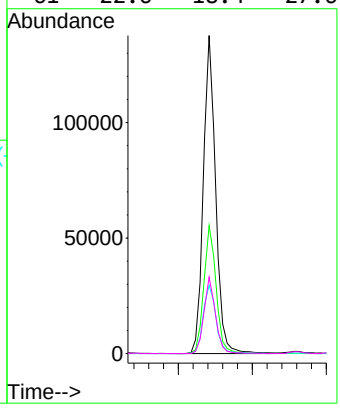
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

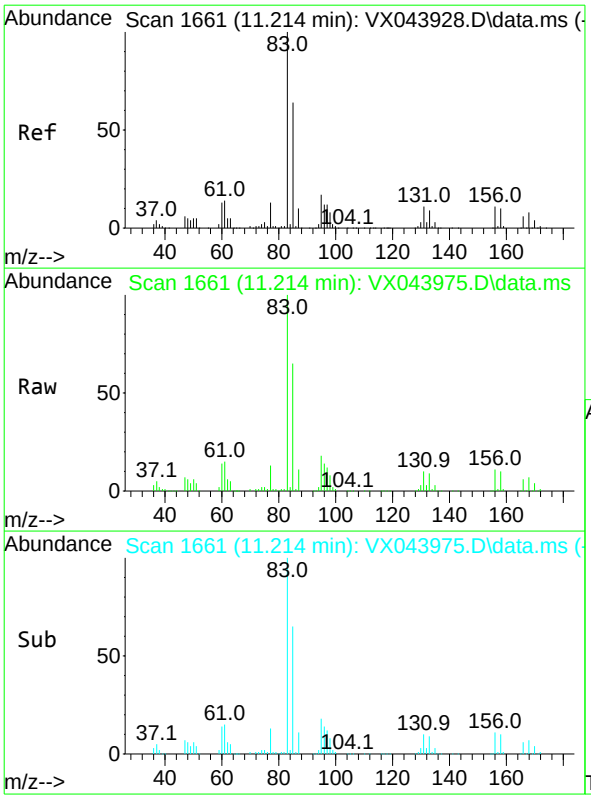


#74
N-amyl acetate
Concen: 51.633 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	22.5	18.1	27.1
61	22.6	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.214 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

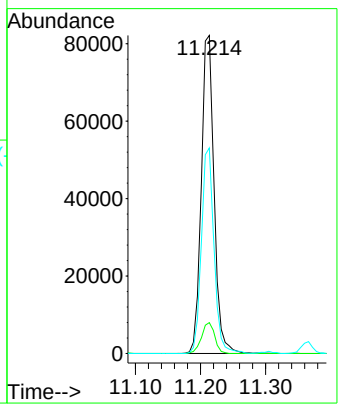
Tgt Ion: 83 Resp: 112173

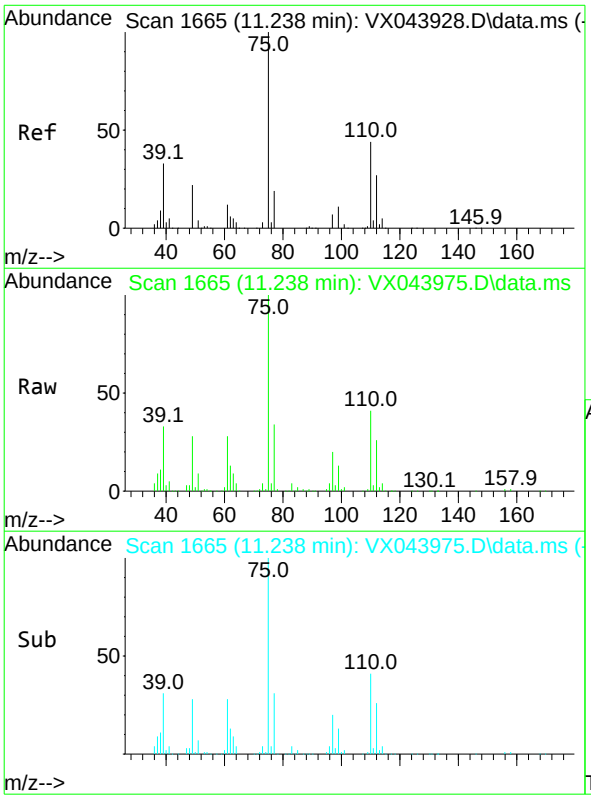
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	63.9	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

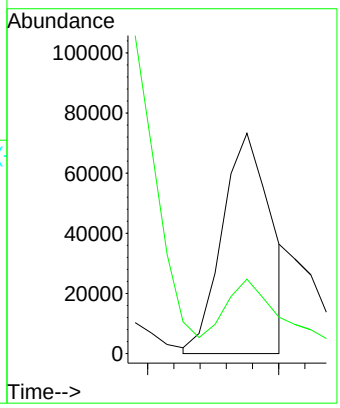


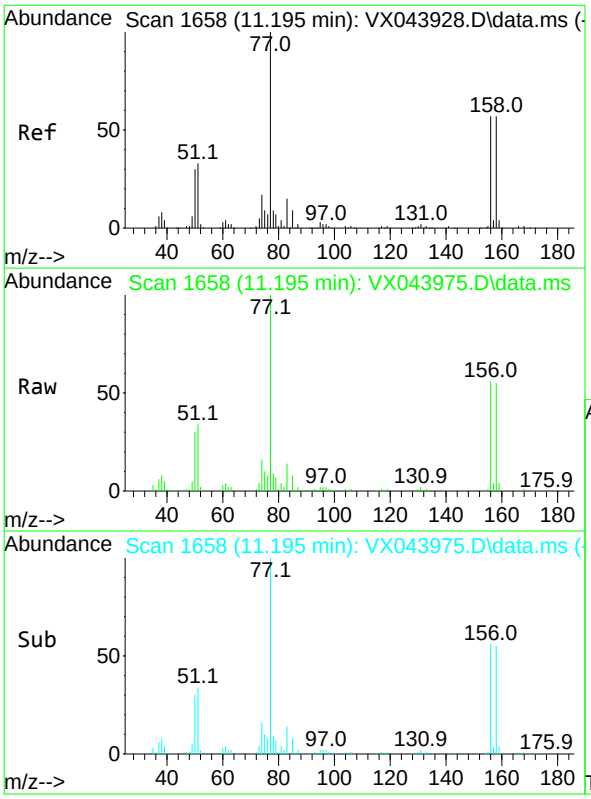


#76
1,2,3-Trichloropropane
Concen: 49.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 94567

Ion	Ratio	Lower	Upper
75	100		
77	41.9	21.8	65.3





#77
Bromobenzene
Concen: 47.990 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

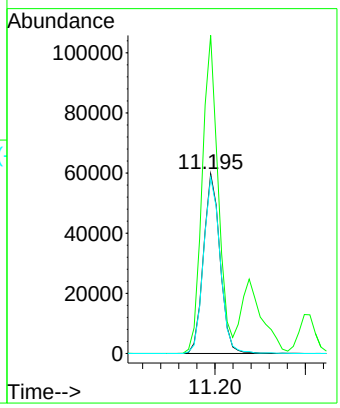
Tgt Ion:156 Resp: 76053

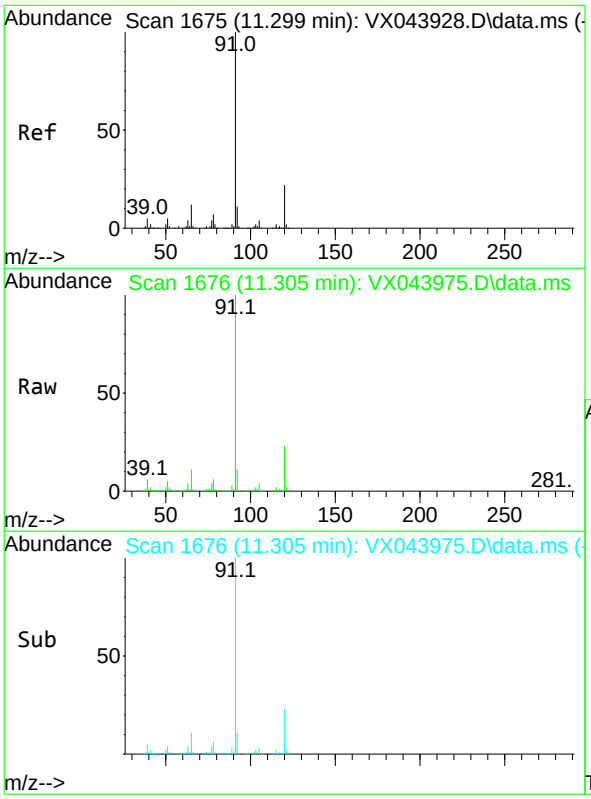
Ion	Ratio	Lower	Upper
156	100		
77	170.8	83.4	250.1
158	99.1	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

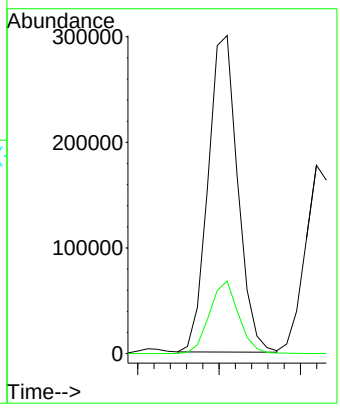


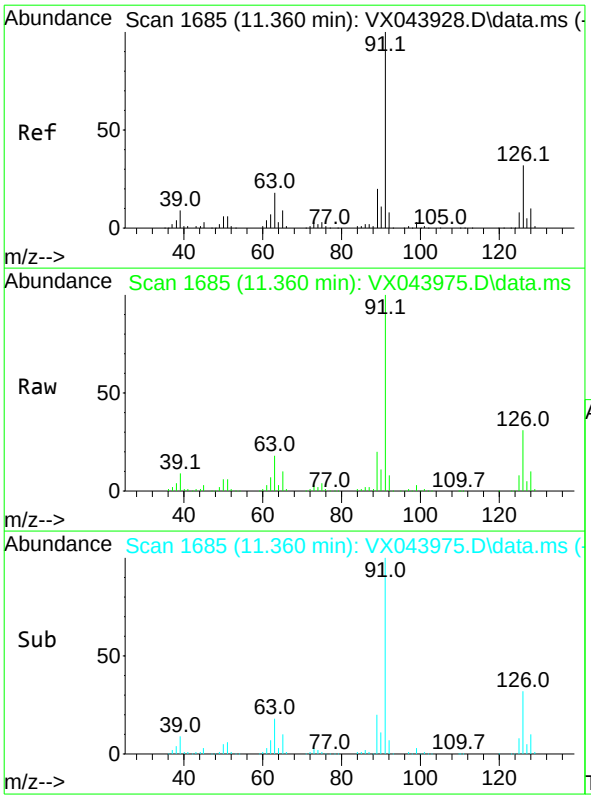


#78
n-propylbenzene
Concen: 51.172 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 379686

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4

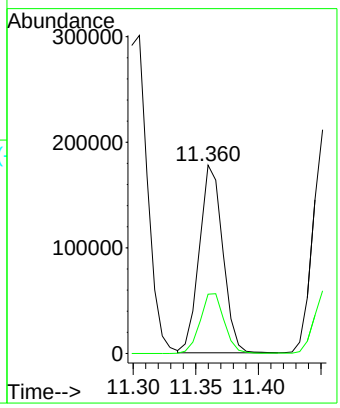




#79
2-Chlorotoluene
Concen: 49.328 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 231439

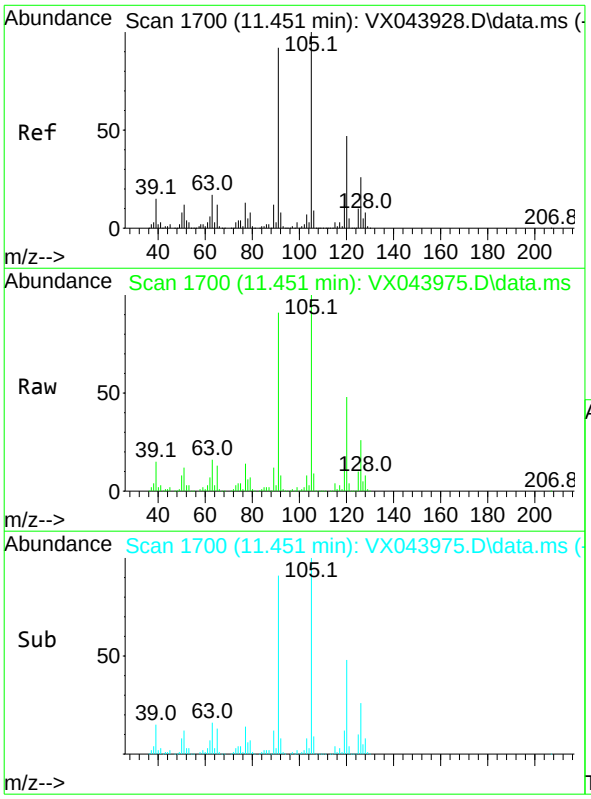
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

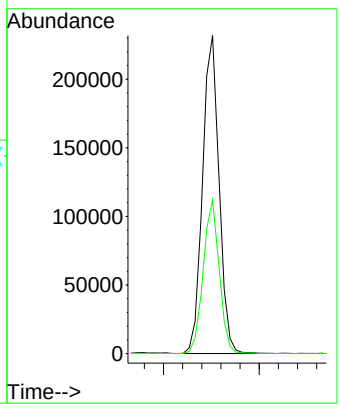
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

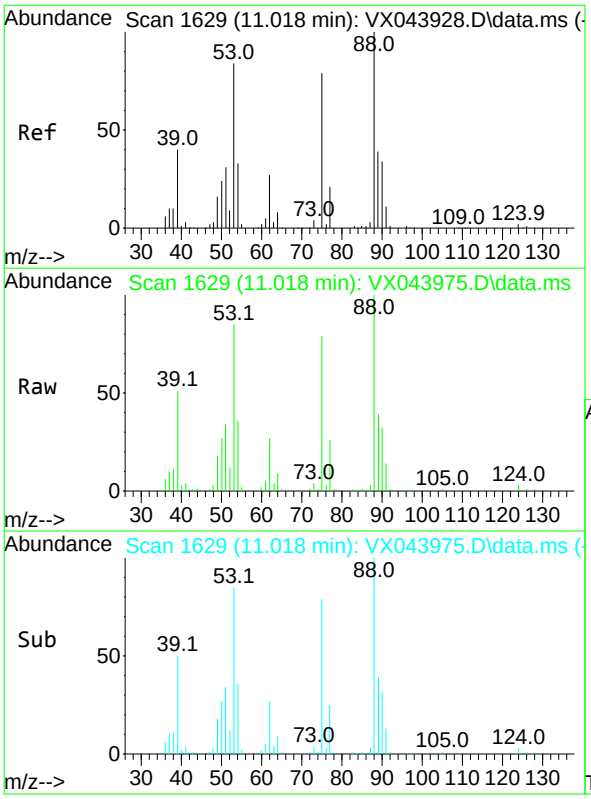


#80
1,3,5-Trimethylbenzene
Concen: 50.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 44.087 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

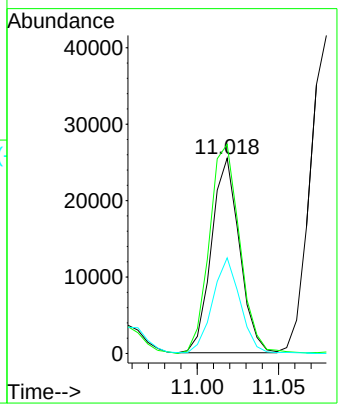
Tgt Ion: 75 Resp: 30621

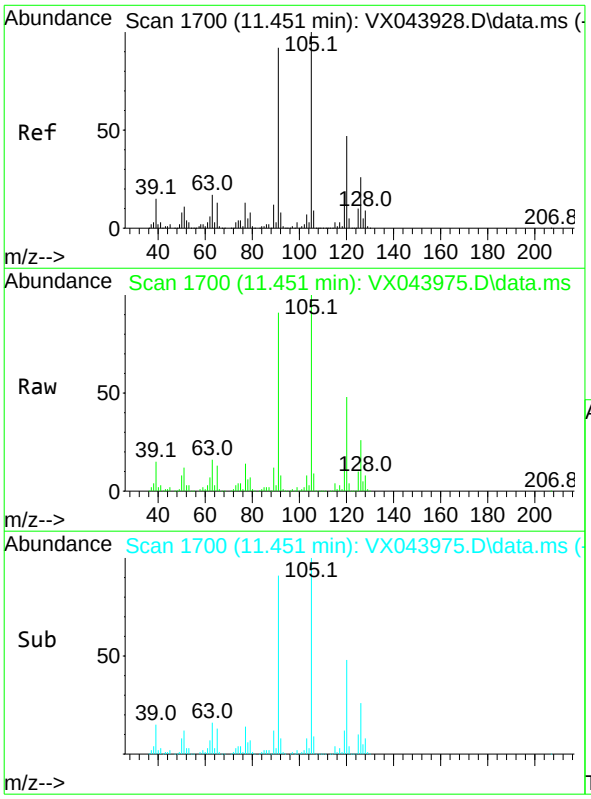
Ion	Ratio	Lower	Upper
75	100		
53	116.2	86.7	130.1
89	48.4	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

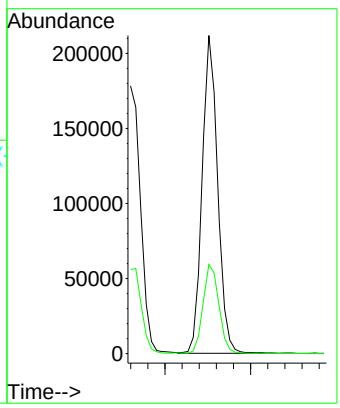


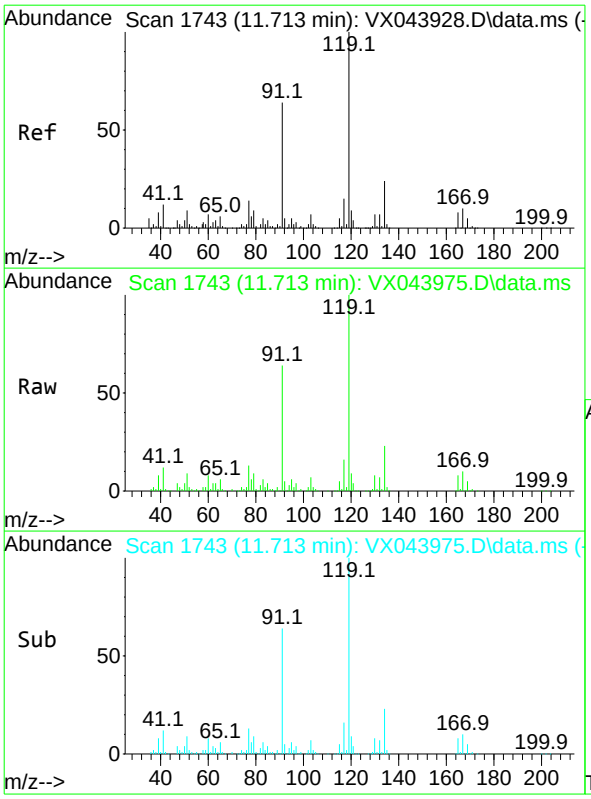


#82
4-Chlorotoluene
Concen: 50.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 265745

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9

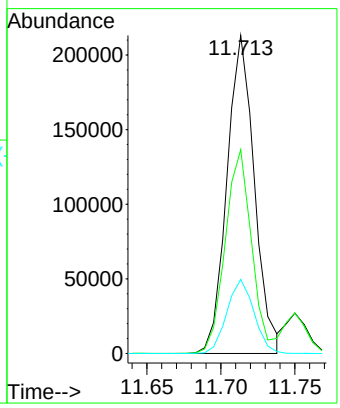




#83
tert-Butylbenzene
Concen: 50.777 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 275078

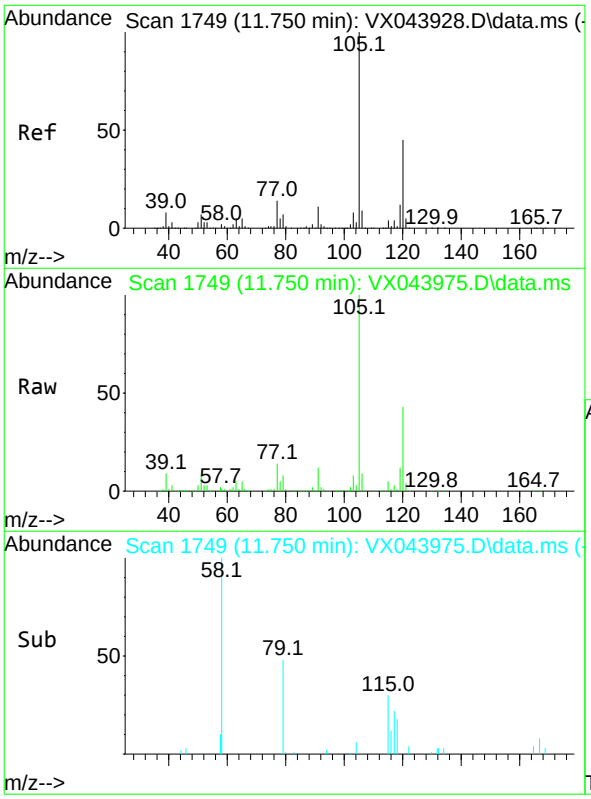
Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.0	93.0
134	22.9	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

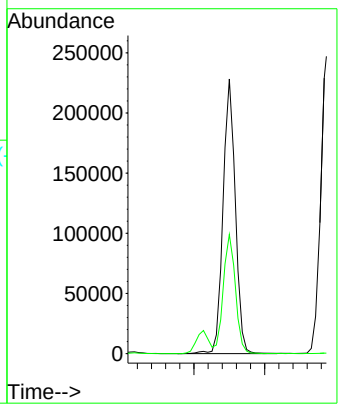
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

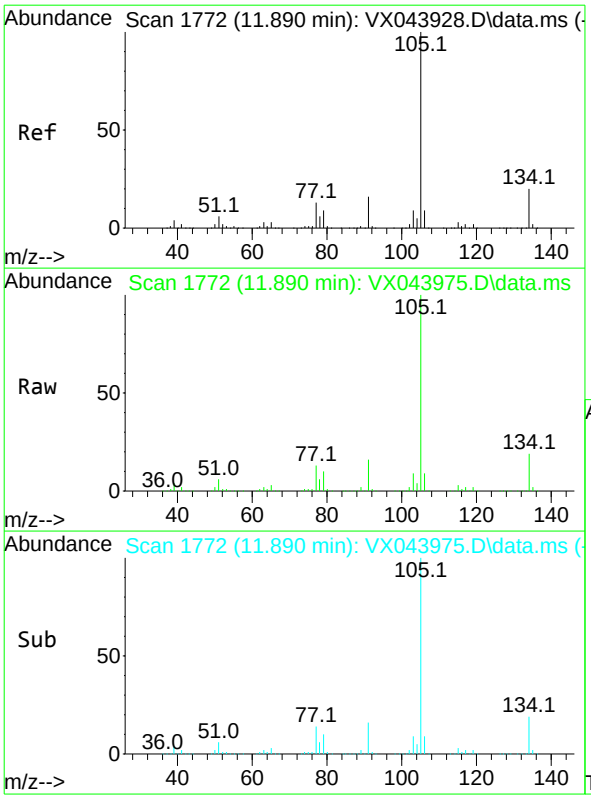


#84
1,2,4-Trimethylbenzene
Concen: 50.446 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 274500

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7

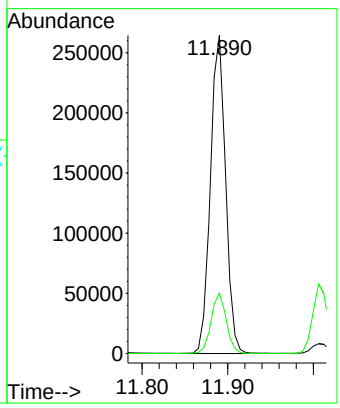




#85
sec-Butylbenzene
Concen: 49.060 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 325633

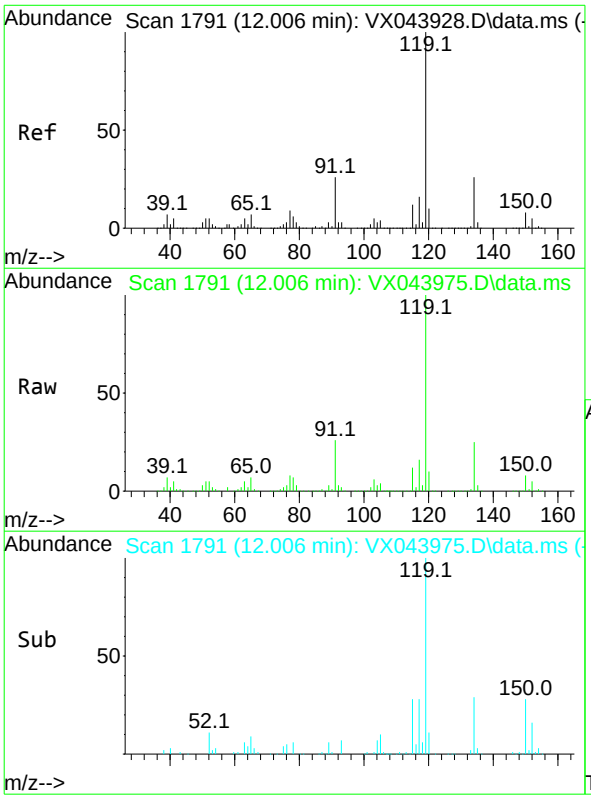
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

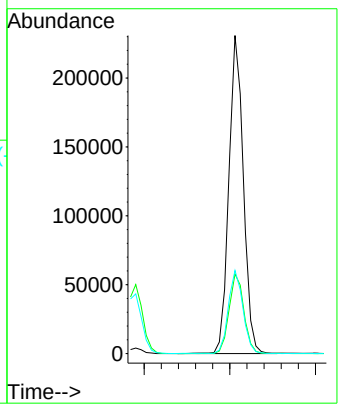
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

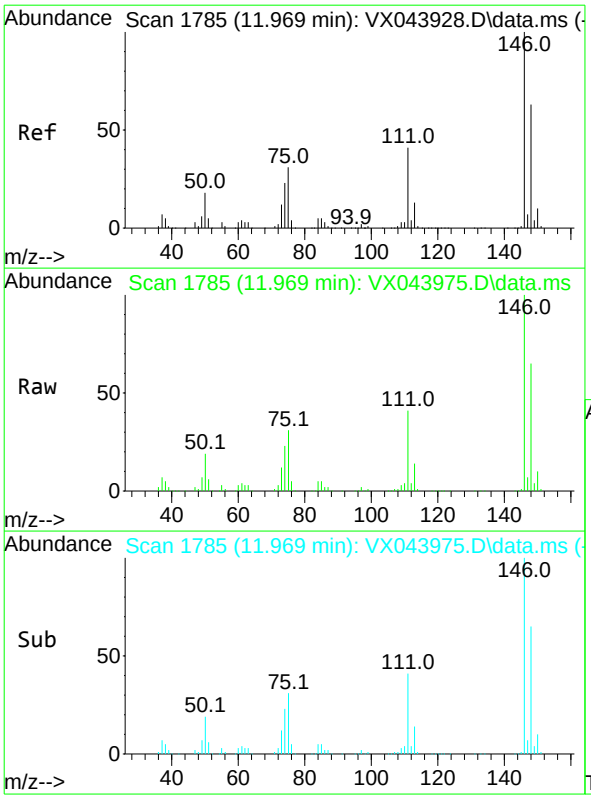


#86
p-Isopropyltoluene
Concen: 50.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 271259

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	26.3	13.0	38.9

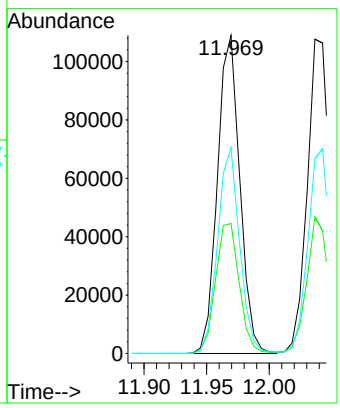




#87
1,3-Dichlorobenzene
Concen: 47.044 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 135787

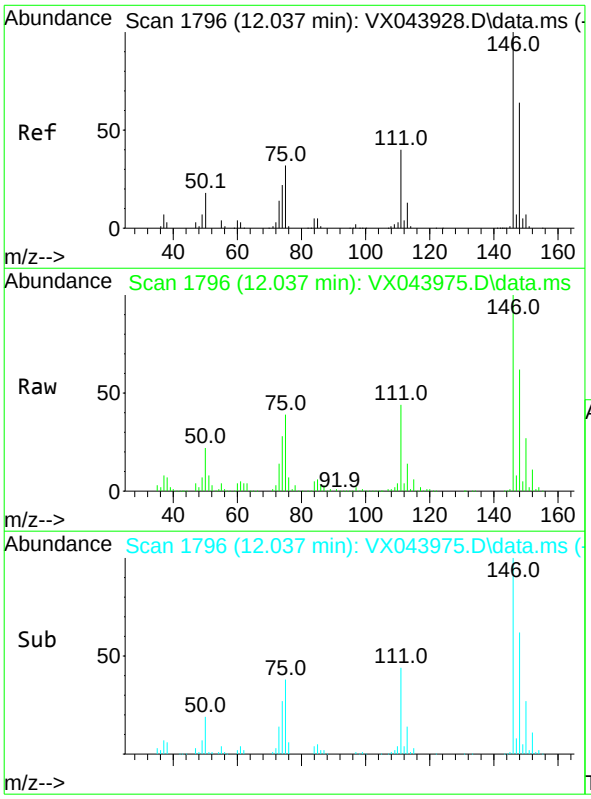
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	63.5	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

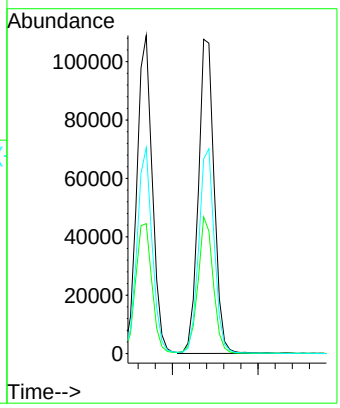
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

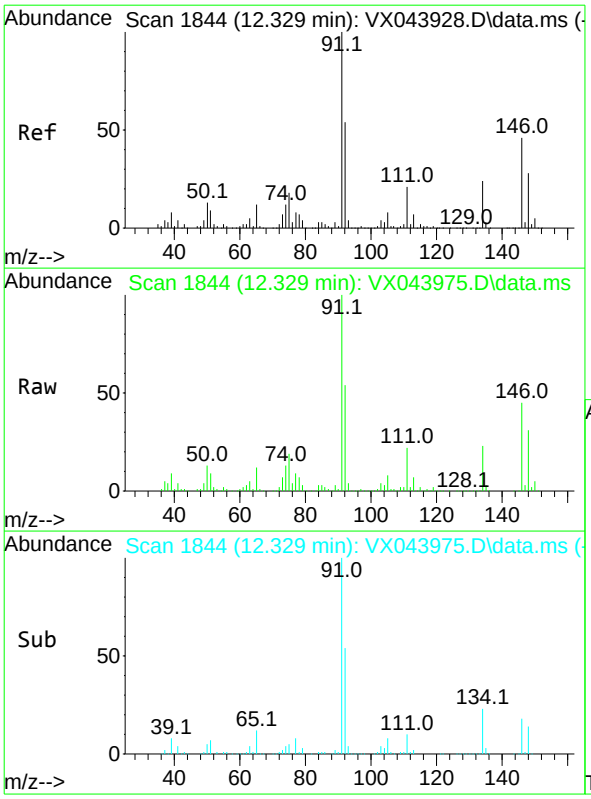


#88
1,4-Dichlorobenzene
Concen: 46.839 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 137836

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.3
148	64.8	30.9	92.8





#89
n-Butylbenzene
Concen: 50.543 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

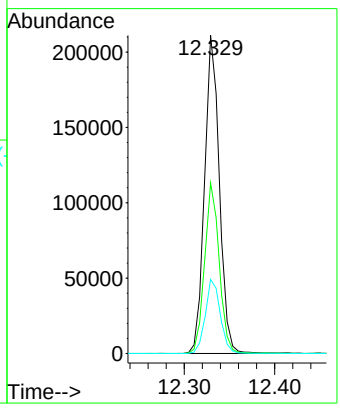
Tgt Ion: 91 Resp: 240255

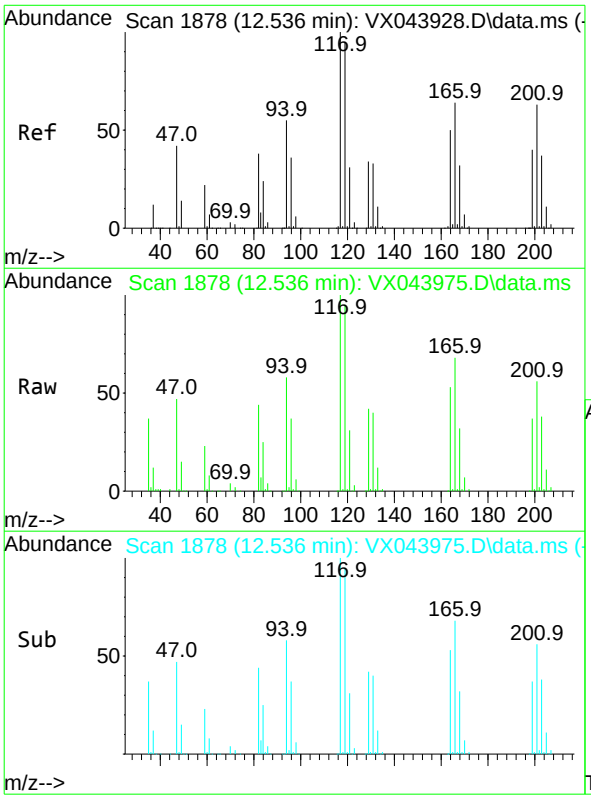
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	23.6	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

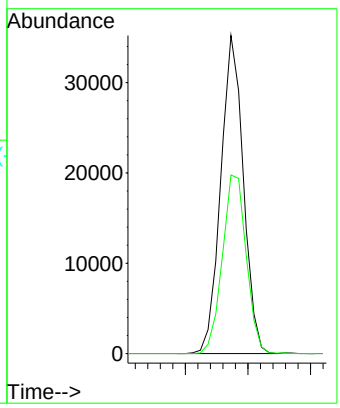


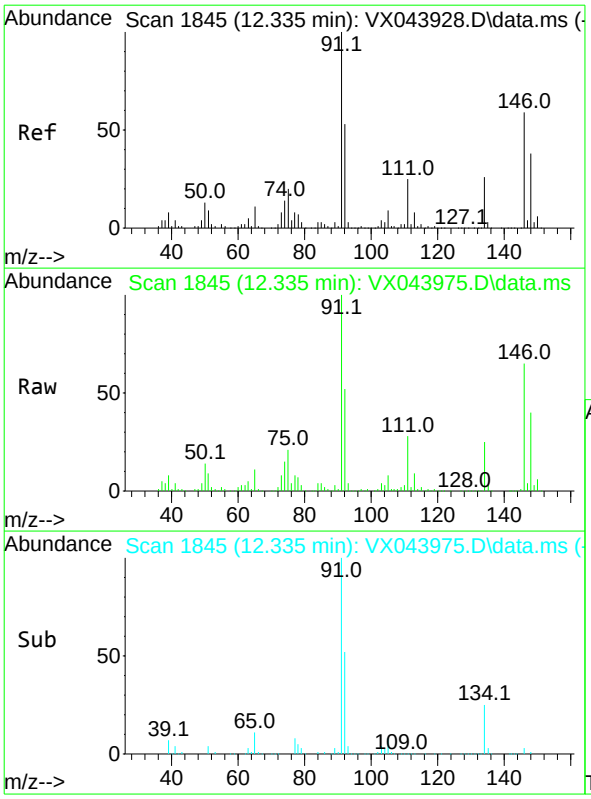


#90
Hexachloroethane
Concen: 48.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 44170

Ion	Ratio	Lower	Upper
117	100		
201	59.5	32.4	97.0

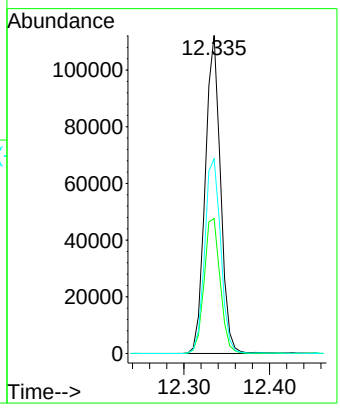




#91
1,2-Dichlorobenzene
Concen: 47.819 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 139290

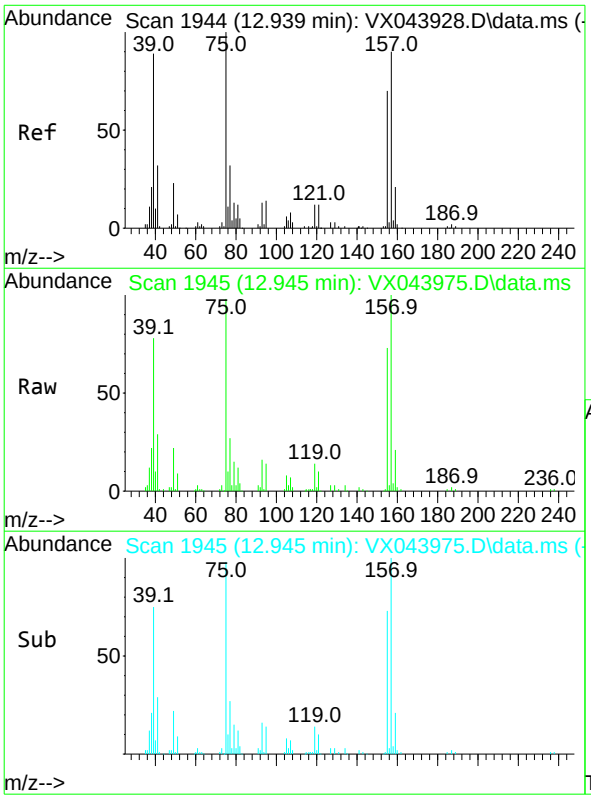
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	64.0	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

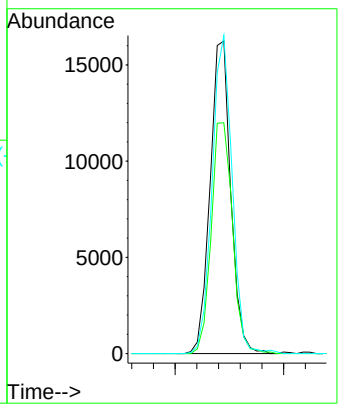
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

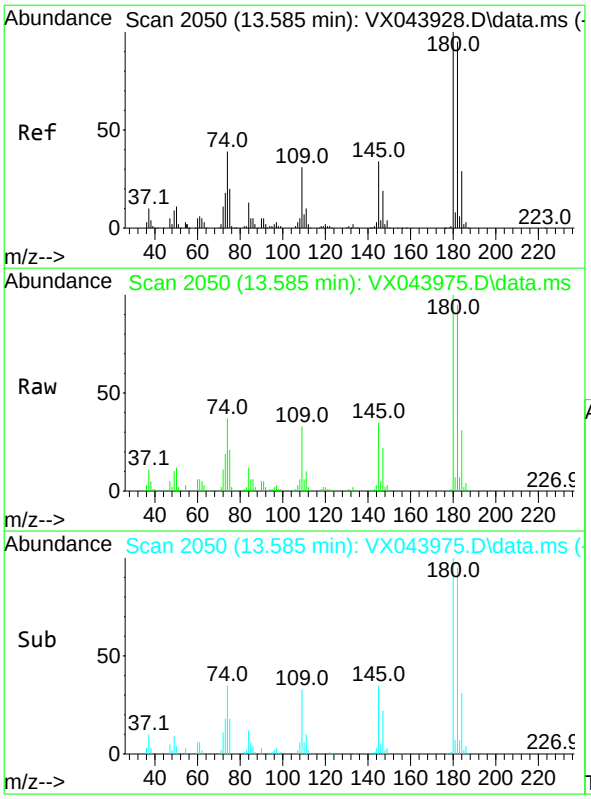


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.196 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 21512

Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.1	120.2
157	98.5	49.6	149.0

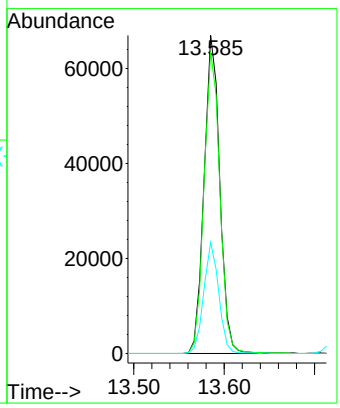




#93
1,2,4-Trichlorobenzene
Concen: 47.087 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 80863

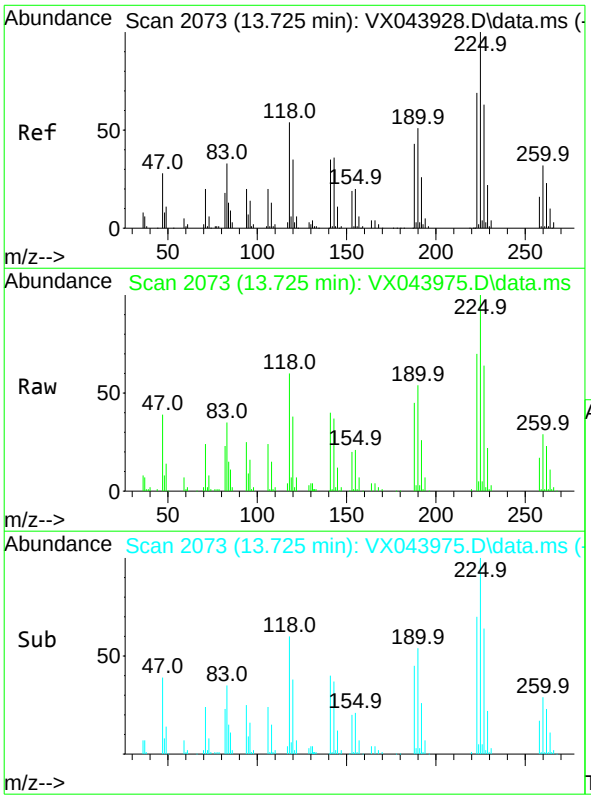
Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	33.5	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

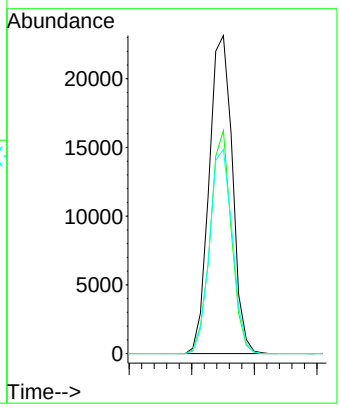
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

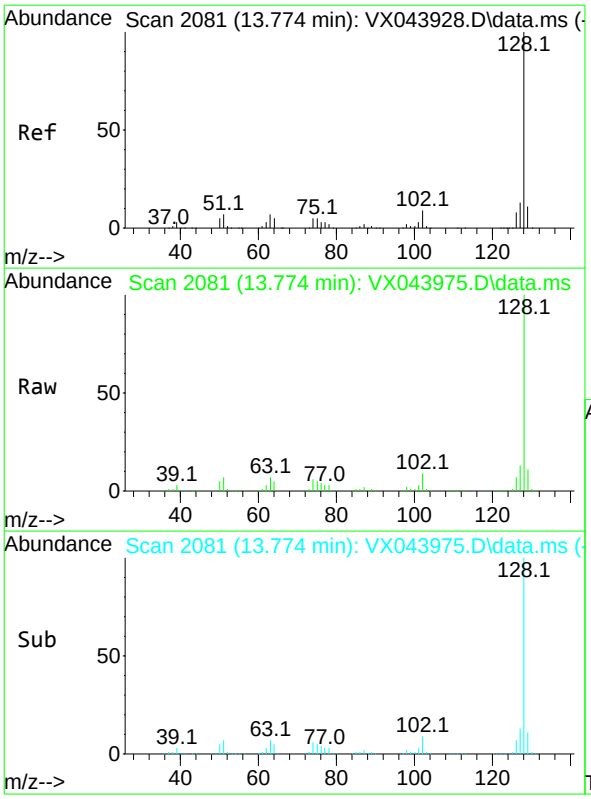


#94
Hexachlorobutadiene
Concen: 43.962 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:225 Resp: 29838

Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.9	98.6
227	63.0	31.6	94.8

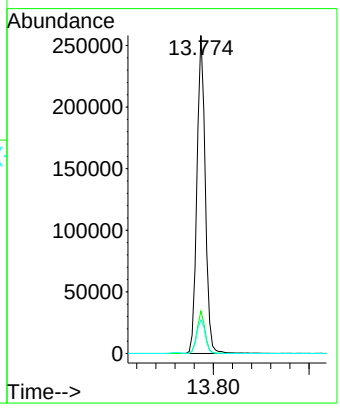




#95
Naphthalene
Concen: 50.444 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:128 Resp: 311837

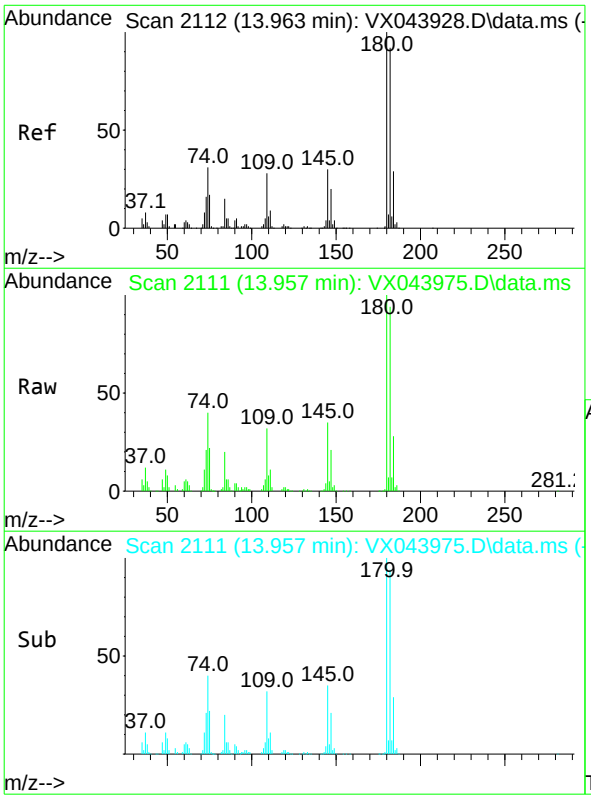
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

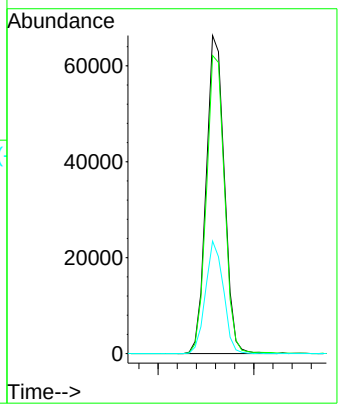
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 50.266 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 87371

Ion	Ratio	Lower	Upper
180	100		
182	93.8	45.6	136.8
145	34.8	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	0.633	0.553	12.6	72	0.00
3	P	Chloromethane	0.667	0.604	9.4	77	0.00
4	C	Vinyl Chloride	0.709	0.633	10.7#	74	0.00
5	T	Bromomethane	0.436	0.468	-7.3	93	0.00
6	T	Chloroethane	0.432	0.412	4.6	80	0.00
7	T	Trichlorofluoromethane	1.268	1.357	-7.0	89	0.00
8	T	Diethyl Ether	0.462	0.429	7.1	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.544	10.1	73	0.00
10	T	Methyl Iodide	0.755	0.714	5.4	78	0.00
11	T	Tert butyl alcohol	0.138	0.118	14.5	73	0.00
12	CM	1,1-Dichloroethene	0.576	0.528	8.3#	78	0.00
13	T	Acrolein	0.145	0.126	13.1	77	0.00
14	T	Allyl chloride	0.941	0.921	2.1	78	0.00
15	T	Acrylonitrile	0.335	0.316	5.7	76	0.00
16	T	Acetone	0.394	0.292	25.9#	61	0.00
17	T	Carbon Disulfide	1.188	1.034	13.0	71	0.00
18	T	Methyl Acetate	0.917	0.846	7.7	76	0.00
19	T	Methyl tert-butyl Ether	2.092	2.090	0.1	82	0.00
20	T	Methylene Chloride	0.668	0.624	6.6	83	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.569	4.4	80	0.00
22	T	Diisopropyl ether	2.013	2.022	-0.4	83	0.00
23	T	Vinyl Acetate	1.722	1.762	-2.3	81	0.00
24	P	1,1-Dichloroethane	1.161	1.155	0.5	82	0.00
25	T	2-Butanone	0.508	0.453	10.8	71	0.00
26	T	2,2-Dichloropropane	1.049	0.956	8.9	74	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.728	1.0	82	0.00
28	T	Bromochloromethane	0.511	0.513	-0.4	101	0.00
29	T	Tetrahydrofuran	0.312	0.286	8.3	75	0.00
30	C	Chloroform	1.249	1.246	0.2#	84	0.00
31	T	Cyclohexane	0.956	0.884	7.5	75	0.00
32	T	1,1,1-Trichloroethane	1.077	1.102	-2.3	83	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.889	-3.6	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.357	0.358	-0.3	101	0.00
36	T	1,1-Dichloropropene	0.445	0.431	3.1	81	0.00
37	T	Ethyl Acetate	0.553	0.500	9.6	76	0.00
38	T	Carbon Tetrachloride	0.500	0.488	2.4	81	0.00
39	T	Methylcyclohexane	0.578	0.512	11.4	72	0.00
40	TM	Benzene	1.387	1.324	4.5	82	0.00
41	T	Methacrylonitrile	0.283	0.263	7.1	74	0.01
42	TM	1,2-Dichloroethane	0.557	0.541	2.9	83	0.00
43	T	Isopropyl Acetate	0.880	0.844	4.1	80	0.00
44	TM	Trichloroethene	0.393	0.317	19.3	79	0.00
45	C	1,2-Dichloropropane	0.340	0.329	3.2#	82	0.00
46	T	Dibromomethane	0.269	0.256	4.8	81	0.00
47	T	Bromodichloromethane	0.482	0.474	1.7	81	0.00
48	T	Methyl methacrylate	0.422	0.388	8.1	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.005	37.5#	61	0.00
50	S	Toluene-d8	1.232	1.216	1.3	102	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.509	5.2	78	0.00
52	CM	Toluene	0.830	0.802	3.4#	81	0.00
53	T	t-1,3-Dichloropropene	0.491	0.480	2.2	78	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.525	2.6	80	0.00
55	T	1,1,2-Trichloroethane	0.343	0.324	5.5	81	0.00
56	T	Ethyl methacrylate	0.534	0.531	0.6	80	0.00
57	T	1,3-Dichloropropane	0.577	0.554	4.0	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.250	8.4	75	0.00
59	T	2-Hexanone	0.403	0.376	6.7	74	0.00
60	T	Dibromochloromethane	0.344	0.327	4.9	76	0.00
61	T	1,2-Dibromoethane	0.346	0.340	1.7	82	0.00
62	S	4-Bromofluorobenzene	0.419	0.417	0.5	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.330	0.305	7.6	78	0.00
65	PM	Chlorobenzene	1.098	1.047	4.6	81	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.352	1.1	79	0.00
67	C	Ethyl Benzene	1.861	1.812	2.6#	79	0.00
68	T	m/p-Xylenes	0.694	0.689	0.7	80	0.00
69	T	o-Xylene	0.678	0.676	0.3	79	0.00
70	T	Styrene	1.121	1.146	-2.2	81	0.00
71	P	Bromoform	0.240	0.239	0.4	75	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.843	3.785	1.5	80	0.00
74	T	N-amyl acetate	1.780	1.839	-3.3	79	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.298	1.4	80	0.00
76	T	1,2,3-Trichloropropane	1.096	1.094	0.2	80	0.00
77	T	Bromobenzene	0.917	0.880	4.0	78	0.00
78	T	n-propylbenzene	4.293	4.393	-2.3	80	0.00
79	T	2-Chlorotoluene	2.714	2.678	1.3	81	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.213	-1.6	80	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.354	11.9	69	0.00
82	T	4-Chlorotoluene	3.064	3.075	-0.4	80	0.00
83	T	tert-Butylbenzene	3.134	3.183	-1.6	80	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.176	-0.9	80	0.00
85	T	sec-Butylbenzene	3.840	3.768	1.9	76	0.00
86	T	p-Isopropyltoluene	3.119	3.139	-0.6	77	0.00
87	T	1,3-Dichlorobenzene	1.670	1.571	5.9	77	0.00
88	T	1,4-Dichlorobenzene	1.702	1.595	6.3	77	0.00
89	T	n-Butylbenzene	2.750	2.780	-1.1	75	0.00
90	T	Hexachloroethane	0.530	0.511	3.6	75	0.00
91	T	1,2-Dichlorobenzene	1.685	1.612	4.3	79	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.249	5.7	76	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.936	5.8	74	0.00
94	T	Hexachlorobutadiene	0.393	0.345	12.2	72	0.00
95	T	Naphthalene	3.576	3.608	-0.9	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.011	-0.5	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	50.000	43.686	12.6	72	0.00
3	P	Chloromethane	50.000	45.274	9.5	77	0.00
4	C	Vinyl Chloride	50.000	44.612	10.8#	74	0.00
5	T	Bromomethane	50.000	53.679	-7.4	93	0.00
6	T	Chloroethane	50.000	47.709	4.6	80	0.00
7	T	Trichlorofluoromethane	50.000	53.528	-7.1	89	0.00
8	T	Diethyl Ether	50.000	46.443	7.1	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.966	10.1	73	0.00
10	T	Methyl Iodide	50.000	47.250	5.5	78	0.00
11	T	Tert butyl alcohol	250.000	215.043	14.0	73	0.00
12	CM	1,1-Dichloroethene	50.000	45.800	8.4#	78	0.00
13	T	Acrolein	250.000	217.457	13.0	77	0.00
14	T	Allyl chloride	50.000	48.923	2.2	78	0.00
15	T	Acrylonitrile	250.000	235.443	5.8	76	0.00
16	T	Acetone	250.000	185.644	25.7#	61	0.00
17	T	Carbon Disulfide	50.000	43.508	13.0	71	0.00
18	T	Methyl Acetate	50.000	46.099	7.8	76	0.00
19	T	Methyl tert-butyl Ether	50.000	49.964	0.1	82	0.00
20	T	Methylene Chloride	50.000	46.692	6.6	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.861	4.3	80	0.00
22	T	Diisopropyl ether	50.000	50.212	-0.4	83	0.00
23	T	Vinyl Acetate	250.000	255.744	-2.3	81	0.00
24	P	1,1-Dichloroethane	50.000	49.748	0.5	82	0.00
25	T	2-Butanone	250.000	222.822	10.9	71	0.00
26	T	2,2-Dichloropropane	50.000	45.557	8.9	74	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.483	1.0	82	0.00
28	T	Bromochloromethane	50.000	50.141	-0.3	101	0.00
29	T	Tetrahydrofuran	250.000	229.176	8.3	75	0.00
30	C	Chloroform	50.000	49.881	0.2#	84	0.00
31	T	Cyclohexane	50.000	46.218	7.6	75	0.00
32	T	1,1,1-Trichloroethane	50.000	51.132	-2.3	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.858	-3.7	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	50.113	-0.2	101	0.00
36	T	1,1-Dichloropropene	50.000	48.403	3.2	81	0.00
37	T	Ethyl Acetate	50.000	45.245	9.5	76	0.00
38	T	Carbon Tetrachloride	50.000	48.766	2.5	81	0.00
39	T	Methylcyclohexane	50.000	44.283	11.4	72	0.00
40	TM	Benzene	50.000	47.732	4.5	82	0.00
41	T	Methacrylonitrile	50.000	46.538	6.9	74	0.01
42	TM	1,2-Dichloroethane	50.000	48.527	2.9	83	0.00
43	T	Isopropyl Acetate	50.000	48.002	4.0	80	0.00
44	TM	Trichloroethene	50.000	40.354	19.3	79	0.00
45	C	1,2-Dichloropropane	50.000	48.373	3.3#	82	0.00
46	T	Dibromomethane	50.000	47.608	4.8	81	0.00
47	T	Bromodichloromethane	50.000	49.233	1.5	81	0.00
48	T	Methyl methacrylate	50.000	45.987	8.0	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	708.970	29.1#	61	0.00
50	S	Toluene-d8	50.000	49.385	1.2	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	237.028	5.2	78	0.00
52	CM	Toluene	50.000	48.314	3.4#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	48.867	2.3	78	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.756	2.5	80	0.00
55	T	1,1,2-Trichloroethane	50.000	47.244	5.5	81	0.00
56	T	Ethyl methacrylate	50.000	49.720	0.6	80	0.00
57	T	1,3-Dichloropropane	50.000	48.020	4.0	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	213.469	14.6	75	0.00
59	T	2-Hexanone	250.000	233.298	6.7	74	0.00
60	T	Dibromochloromethane	50.000	47.547	4.9	76	0.00
61	T	1,2-Dibromoethane	50.000	49.118	1.8	82	0.00
62	S	4-Bromofluorobenzene	50.000	49.694	0.6	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	46.307	7.4	78	0.00
65	PM	Chlorobenzene	50.000	47.680	4.6	81	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.398	1.2	79	0.00
67	C	Ethyl Benzene	50.000	48.699	2.6#	79	0.00
68	T	m/p-Xylenes	100.000	99.287	0.7	80	0.00
69	T	o-Xylene	50.000	49.924	0.2	79	0.00
70	T	Styrene	50.000	51.134	-2.3	81	0.00
71	P	Bromoform	50.000	44.579	10.8	75	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	49.244	1.5	80	0.00
74	T	N-amyl acetate	50.000	51.633	-3.3	79	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.312	1.4	80	0.00
76	T	1,2,3-Trichloropropane	50.000	49.896	0.2	80	0.00
77	T	Bromobenzene	50.000	47.990	4.0	78	0.00
78	T	n-propylbenzene	50.000	51.172	-2.3	80	0.00
79	T	2-Chlorotoluene	50.000	49.328	1.3	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.803	-1.6	80	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.087	11.8	69	0.00
82	T	4-Chlorotoluene	50.000	50.170	-0.3	80	0.00
83	T	tert-Butylbenzene	50.000	50.777	-1.6	80	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.446	-0.9	80	0.00
85	T	sec-Butylbenzene	50.000	49.060	1.9	76	0.00
86	T	p-Isopropyltoluene	50.000	50.312	-0.6	77	0.00
87	T	1,3-Dichlorobenzene	50.000	47.044	5.9	77	0.00
88	T	1,4-Dichlorobenzene	50.000	46.839	6.3	77	0.00
89	T	n-Butylbenzene	50.000	50.543	-1.1	75	0.00
90	T	Hexachloroethane	50.000	48.179	3.6	75	0.00
91	T	1,2-Dichlorobenzene	50.000	47.819	4.4	79	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.196	5.6	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.087	5.8	74	0.00
94	T	Hexachlorobutadiene	50.000	43.962	12.1	72	0.00
95	T	Naphthalene	50.000	50.444	-0.9	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.266	-0.5	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.589		-6.95	20
Chloromethane	0.667	0.624	0.1	-6.45	20
Vinyl Chloride	0.709	0.656		-7.47	20
Bromomethane	0.436	0.450		3.21	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.137		-10.33	20
1,1,2-Trichlorotrifluoroethane	0.605	0.576		-4.79	20
1,1-Dichloroethene	0.576	0.531		-7.81	20
Acetone	0.394	0.361		-8.38	20
Carbon Disulfide	1.188	1.050		-11.62	20
Methyl tert-butyl Ether	2.092	2.024		-3.25	20
Methyl Acetate	0.917	0.854		-6.87	20
Methylene Chloride	0.668	0.625		-6.44	20
trans-1,2-Dichloroethene	0.595	0.560		-5.88	20
1,1-Dichloroethane	1.161	1.131	0.1	-2.58	20
Cyclohexane	0.956	0.884		-7.53	20
2-Butanone	0.508	0.480		-5.51	20
Carbon Tetrachloride	0.500	0.507		1.4	20
cis-1,2-Dichloroethene	0.735	0.712		-3.13	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.232		-1.36	20
1,1,1-Trichloroethane	1.077	1.056		-1.95	20
Methylcyclohexane	0.578	0.553		-4.32	20
Benzene	1.387	1.357		-2.16	20
1,2-Dichloroethane	0.557	0.546		-1.98	20
Trichloroethene	0.393	0.334		-15.01	20
1,2-Dichloropropane	0.340	0.339		-0.29	20
Bromodichloromethane	0.482	0.500		3.73	20
4-Methyl-2-Pentanone	0.537	0.513		-4.47	20
Toluene	0.830	0.830		0	20
t-1,3-Dichloropropene	0.491	0.507		3.26	20
cis-1,3-Dichloropropene	0.539	0.543		0.74	20
1,1,2-Trichloroethane	0.343	0.336		-2.04	20
2-Hexanone	0.403	0.390		-3.23	20
Dibromochloromethane	0.344	0.356		3.49	20
1,2-Dibromoethane	0.346	0.344		-0.58	20
Tetrachloroethene	0.330	0.331		0.3	20
Chlorobenzene	1.098	1.081	0.3	-1.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.882		1.13	20
m/p-Xylenes	0.694	0.706		1.73	20
o-Xylene	0.678	0.678		0	20
Styrene	1.121	1.173		4.64	20
Bromoform	0.240	0.248	0.1	3.33	20
Isopropylbenzene	3.843	3.702		-3.67	20
1,1,2,2-Tetrachloroethane	1.316	1.246	0.3	-5.32	20
1,3-Dichlorobenzene	1.670	1.624		-2.75	20
1,4-Dichlorobenzene	1.702	1.617		-4.99	20
1,2-Dichlorobenzene	1.685	1.638		-2.79	20
1,2-Dibromo-3-Chloropropane	0.264	0.243		-7.95	20
1,2,4-Trichlorobenzene	0.994	0.954		-4.02	20
1,2,3-Trichlorobenzene	1.006	0.977		-2.88	20
1,2-Dichloroethane-d4	0.858	0.840		-2.1	20
Dibromofluoromethane	0.357	0.360		0.84	20
Toluene-d8	1.232	1.227		-0.41	20
4-Bromofluorobenzene	0.419	0.426		1.67	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\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	132560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	232543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111407	49.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.000%			
35) Dibromofluoromethane	5.373	113	83636	50.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	8.646	98	285275	49.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.620%			
62) 4-Bromofluorobenzene	11.079	95	98993	50.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78031	46.466	ug/l	97
3) Chloromethane	1.294	50	82659	46.775	ug/l	100
4) Vinyl Chloride	1.373	62	86898	46.231	ug/l	97
5) Bromomethane	1.593	94	59627	51.566	ug/l	100
6) Chloroethane	1.666	64	55513	48.469	ug/l	98
7) Trichlorofluoromethane	1.867	101	150681	44.839	ug/l	98
8) Diethyl Ether	2.129	74	57910	47.280	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	76375	47.646	ug/l	99
10) Methyl Iodide	2.440	142	95686	47.795	ug/l	98
11) Tert butyl alcohol	2.995	59	80418	220.360	ug/l	99
12) 1,1-Dichloroethene	2.306	96	70387	46.080	ug/l	97
13) Acrolein	2.233	56	86322	224.411	ug/l	98
14) Allyl chloride	2.654	41	117463	47.063	ug/l	98
15) Acrylonitrile	3.062	53	212767	239.244	ug/l	98
16) Acetone	2.379	43	239021	228.890	ug/l	99
17) Carbon Disulfide	2.501	76	139122	44.155	ug/l	97
18) Methyl Acetate	2.702	43	113156	46.531	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	268289	48.373	ug/l	98
20) Methylene Chloride	2.782	84	82791	46.719	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	74174	47.034	ug/l	99
22) Diisopropyl ether	3.757	45	262616	49.207	ug/l	97
23) Vinyl Acetate	3.714	43	1133947	248.374	ug/l	99
24) 1,1-Dichloroethane	3.605	63	149933	48.697	ug/l	100
25) 2-Butanone	4.556	43	318432	236.327	ug/l	100
26) 2,2-Dichloropropane	4.464	77	131754	47.384	ug/l	100
27) cis-1,2-Dichloroethene	4.476	96	94434	48.444	ug/l	98
28) Bromochloromethane	4.891	49	64856	47.856	ug/l	99
29) Tetrahydrofuran	5.001	42	192450	232.975	ug/l	98
30) Chloroform	5.086	83	163376	49.337	ug/l	93
31) Cyclohexane	5.458	56	117118	46.218	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	139993	49.023	ug/l	99
36) 1,1-Dichloropropene	5.684	75	101514	49.026	ug/l	98
37) Ethyl Acetate	4.708	43	118947	46.278	ug/l	98
38) Carbon Tetrachloride	5.671	117	117996	50.716	ug/l	99
39) Methylcyclohexane	7.372	83	128697	47.843	ug/l	96
40) Benzene	6.031	78	315624	48.936	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.915	41	63274	48.098 ug/l	95
42) 1,2-Dichloroethane	6.080	62	126975	49.018 ug/l	98
43) Isopropyl Acetate	6.336	43	197344	48.245 ug/l	99
44) Trichloroethene	7.116	130	77683	42.546 ug/l	94
45) 1,2-Dichloropropane	7.427	63	78811	49.890 ug/l	96
46) Dibromomethane	7.573	93	62964	50.387 ug/l	98
47) Bromodichloromethane	7.817	83	116299	51.893 ug/l	99
48) Methyl methacrylate	7.689	41	94692	48.244 ug/l	98
49) 1,4-Dioxane	7.665	88	30394	869.321 ug/l #	83
51) 4-Methyl-2-Pentanone	8.573	43	596153	238.823 ug/l	100
52) Toluene	8.713	92	193103	50.022 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	117928	51.600 ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	126204	50.373 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	78203	49.075 ug/l	98
56) Ethyl methacrylate	9.116	69	122941	49.531 ug/l	99
57) 1,3-Dichloropropane	9.305	76	133878	49.872 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	308826	226.771 ug/l	99
59) 2-Hexanone	9.427	43	453330	241.619 ug/l	100
60) Dibromochloromethane	9.518	129	82843	51.814 ug/l	99
61) 1,2-Dibromoethane	9.610	107	79994	49.645 ug/l	98
64) Tetrachloroethene	9.268	164	64988	50.133 ug/l	98
65) Chlorobenzene	10.079	112	212422	49.197 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	73082	52.189 ug/l	98
67) Ethyl Benzene	10.189	91	369929	50.561 ug/l	99
68) m/p-Xylenes	10.299	106	277477	101.696 ug/l	100
69) o-Xylene	10.640	106	133377	50.067 ug/l	97
70) Styrene	10.652	104	230674	52.353 ug/l	99
71) Bromoform	10.798	173	48701	46.066 ug/l #	97
73) Isopropylbenzene	10.957	105	351294	48.163 ug/l	100
74) N-amyl acetate	10.841	43	163405	48.361 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	118187	47.323 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	98609m	47.389 ug/l	
77) Bromobenzene	11.195	156	84168	48.374 ug/l	98
78) n-propylbenzene	11.304	91	406428	49.892 ug/l	99
79) 2-Chlorotoluene	11.359	91	246237	47.802 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	298167	49.689 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35040	45.951 ug/l	97
82) 4-Chlorotoluene	11.451	91	282543	48.585 ug/l	99
83) tert-Butylbenzene	11.713	119	292877	49.242 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	298636	49.987 ug/l	99
85) sec-Butylbenzene	11.890	105	362725	49.775 ug/l	100
86) p-Isopropyltoluene	12.006	119	306406	51.764 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	154082	48.622 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	153444	47.493 ug/l	98
89) n-Butylbenzene	12.329	91	266108	50.989 ug/l	100
90) Hexachloroethane	12.536	117	48961	48.643 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	155387	48.588 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23083	46.127 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	90486	47.992 ug/l	98
94) Hexachlorobutadiene	13.725	225	36196	48.575 ug/l	97
95) Naphthalene	13.774	128	334769	49.325 ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	92716	48.584 ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

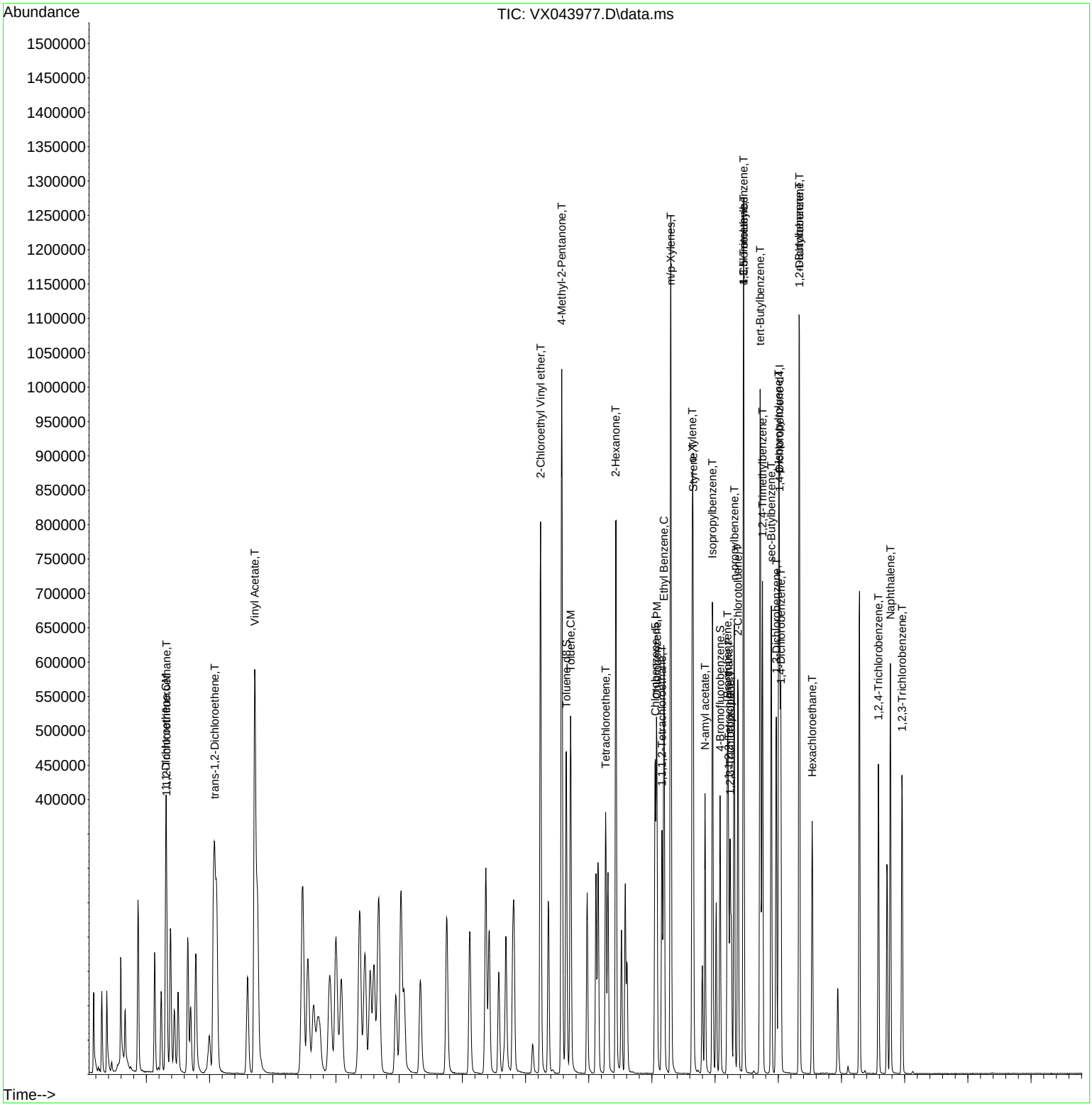
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

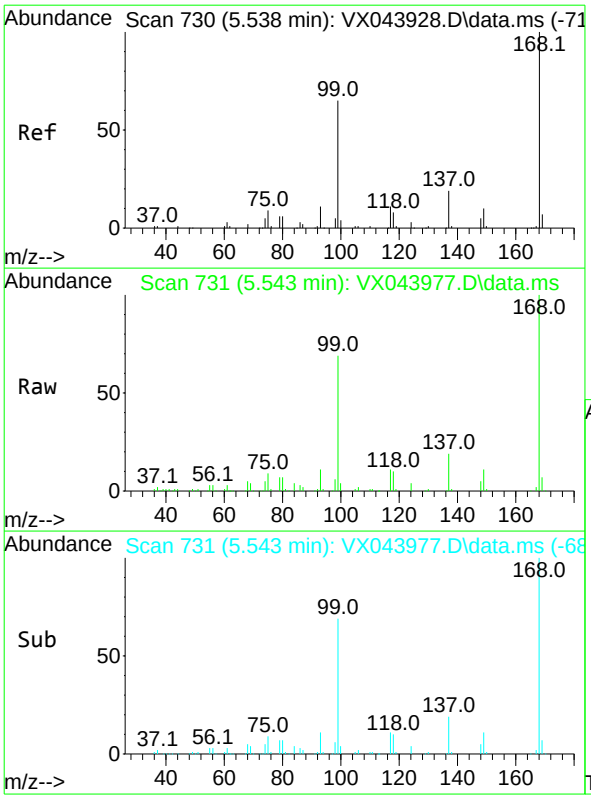
Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

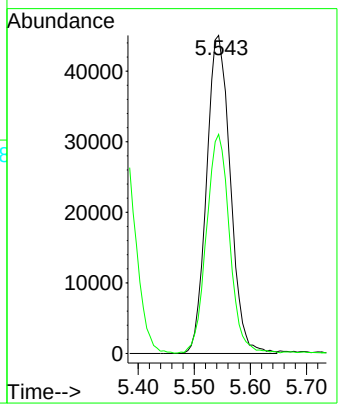




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:168 Resp: 132560

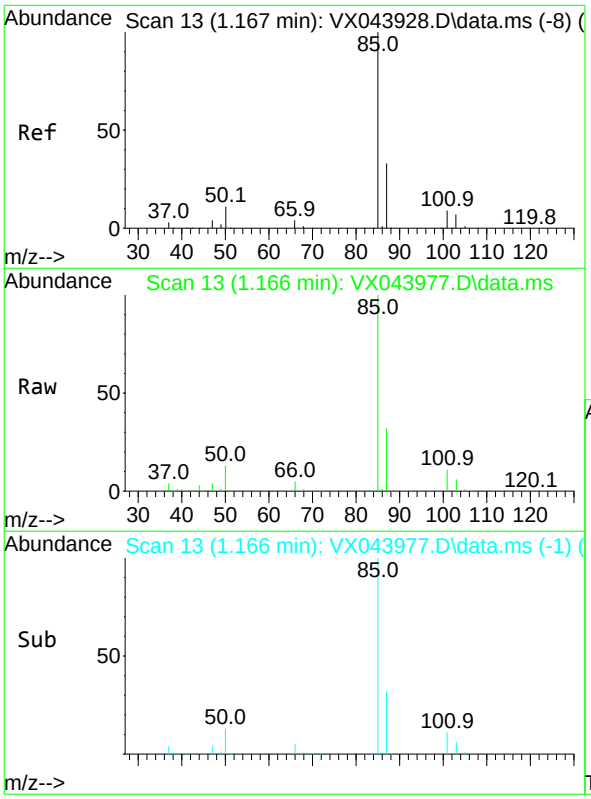
Ion	Ratio	Lower	Upper
168	100		
99	68.7	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

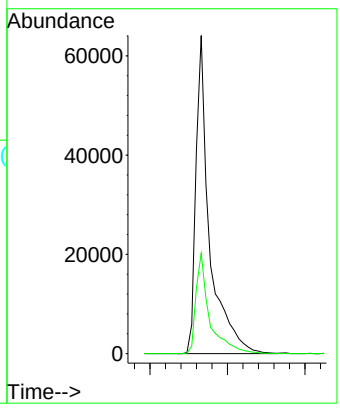
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

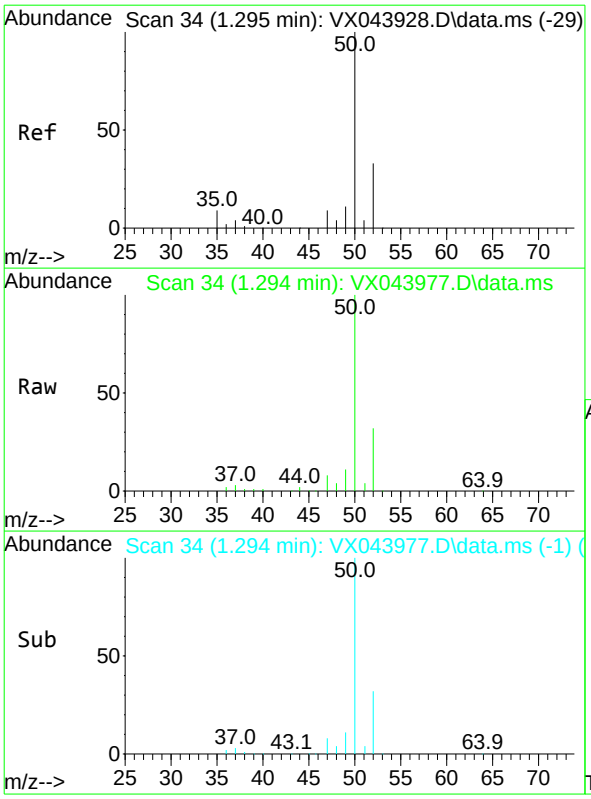


#2
Dichlorodifluoromethane
Concen: 46.466 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 85 Resp: 78031

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.6	49.8

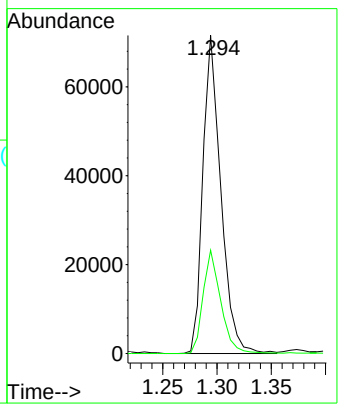




#3
Chloromethane
Concen: 46.775 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 50 Resp: 82659

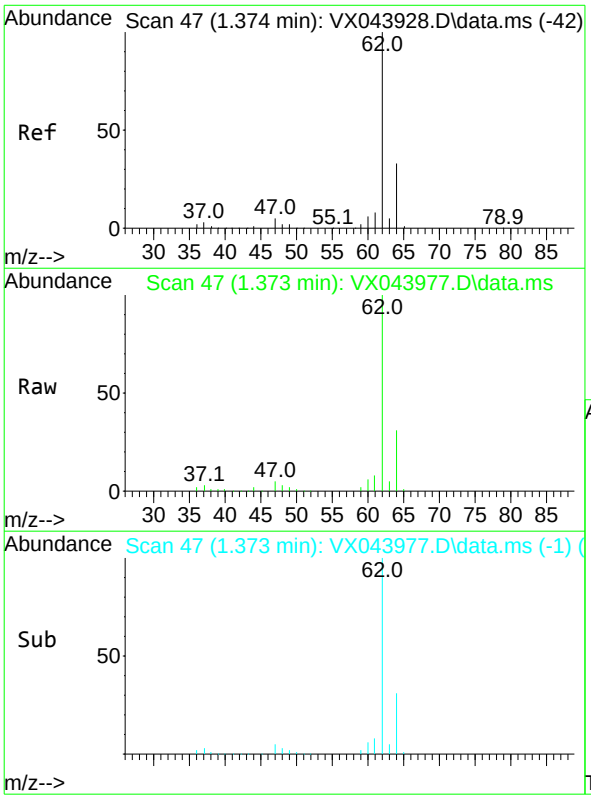
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

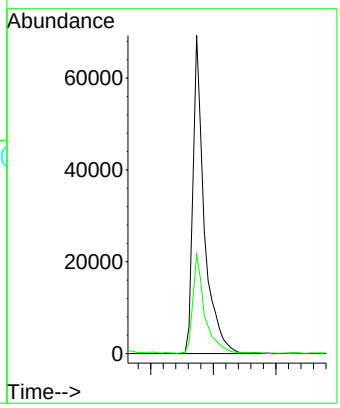
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

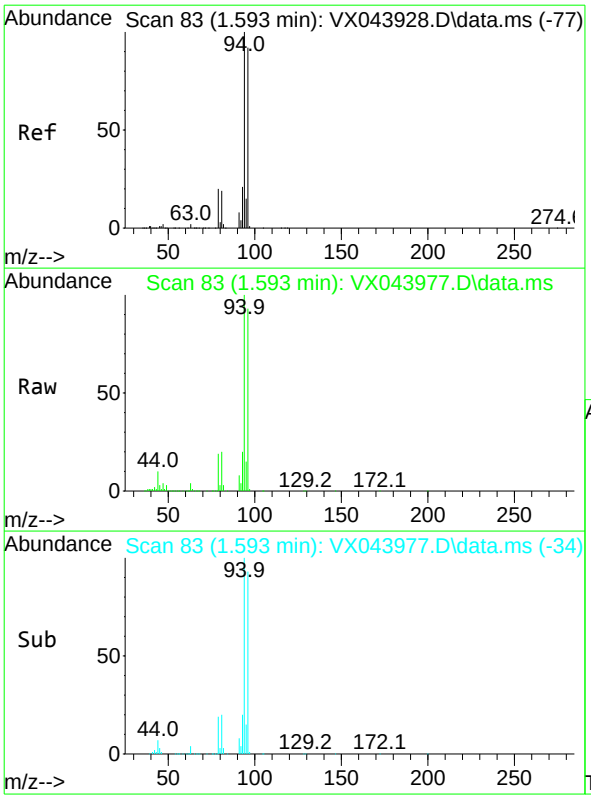


#4
Vinyl Chloride
Concen: 46.231 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 86898

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4

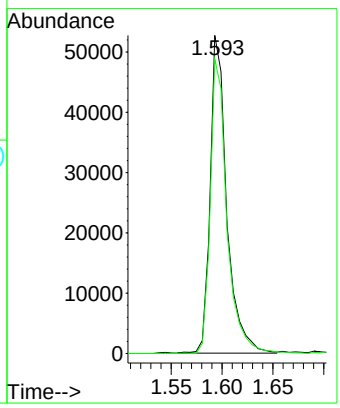




#5
Bromomethane
Concen: 51.566 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 94 Resp: 59627

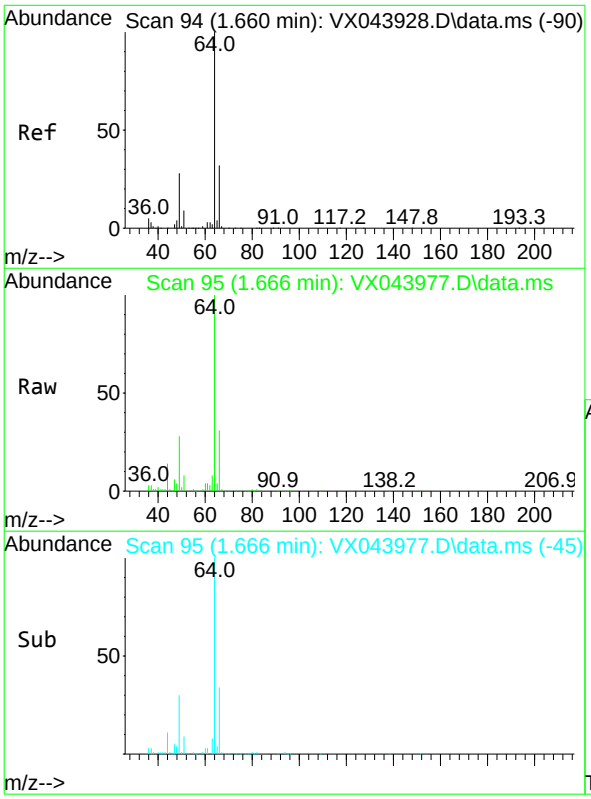
Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

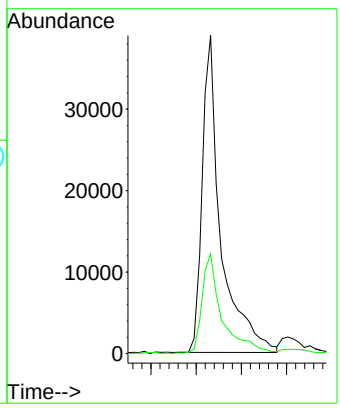
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

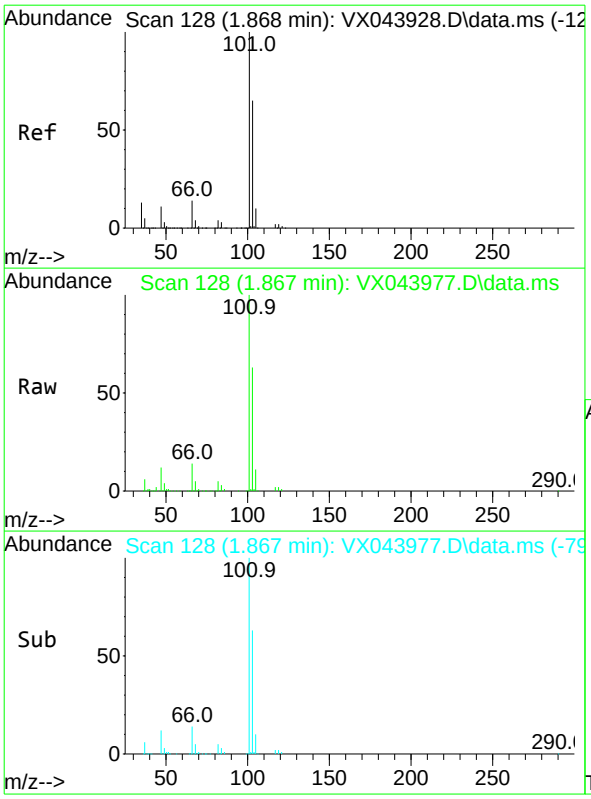


#6
Chloroethane
Concen: 48.469 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 64 Resp: 55513

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.9	38.9

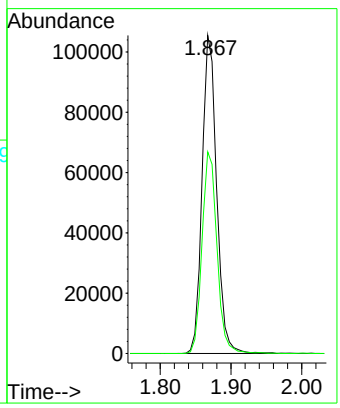




#7
Trichlorofluoromethane
Concen: 44.839 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:101 Resp: 150681

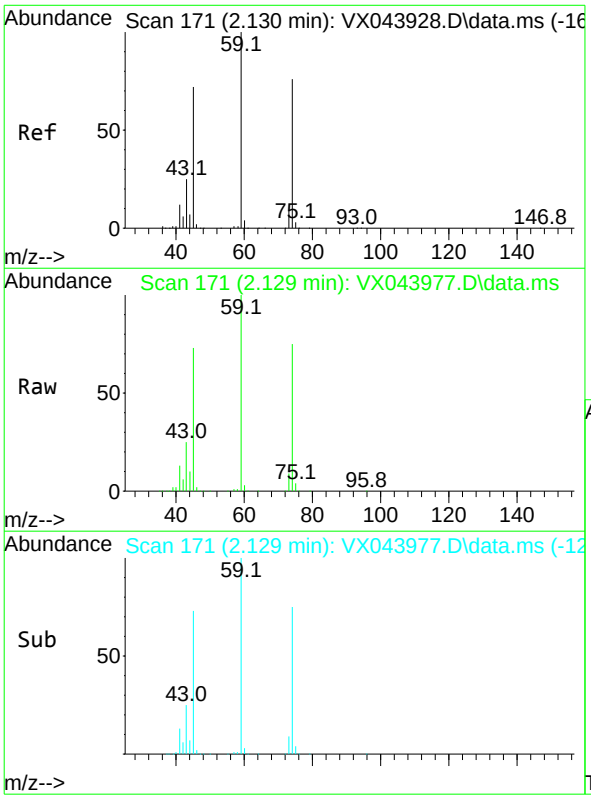
Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

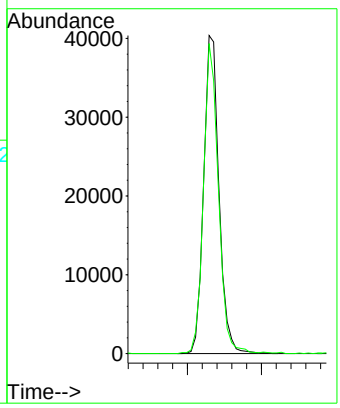
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

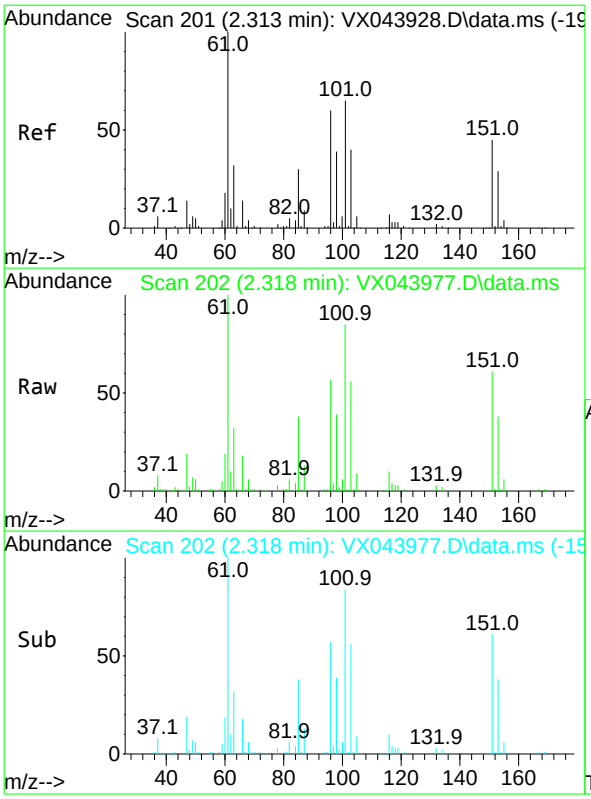


#8
Diethyl Ether
Concen: 47.280 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 74 Resp: 57910

Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.646 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

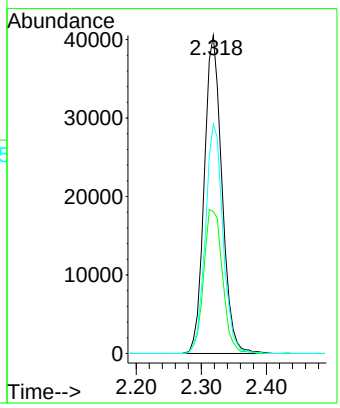
Tgt Ion:101 Resp: 76375

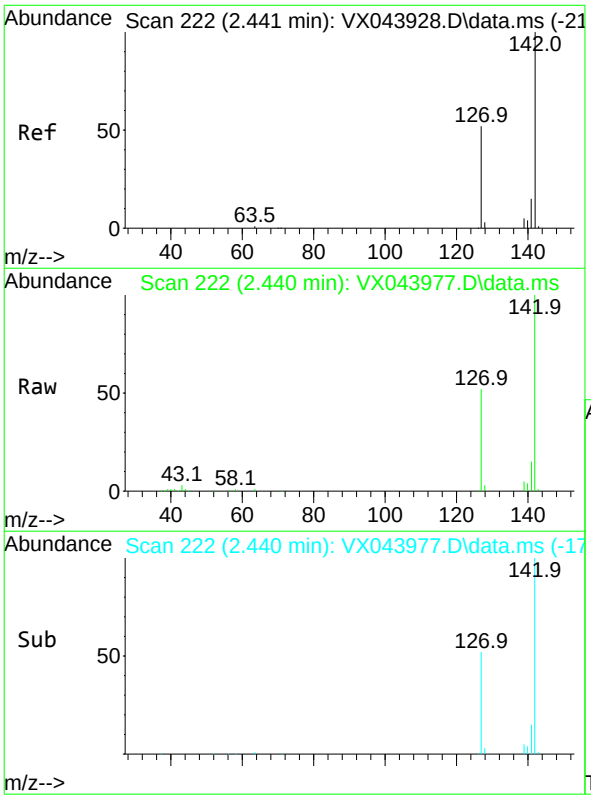
Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.9	56.9
151	71.7	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

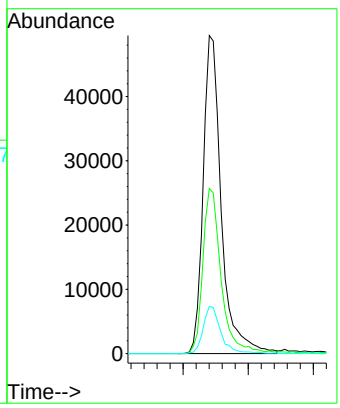


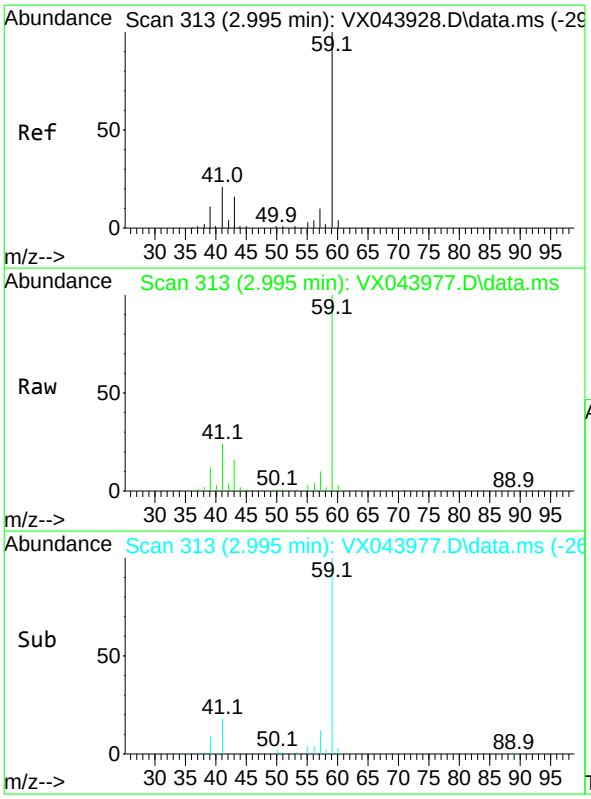


#10
Methyl Iodide
Concen: 47.795 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:142 Resp: 95686

Ion	Ratio	Lower	Upper
142	100		
127	52.7	40.7	61.1
141	14.5	12.0	18.0

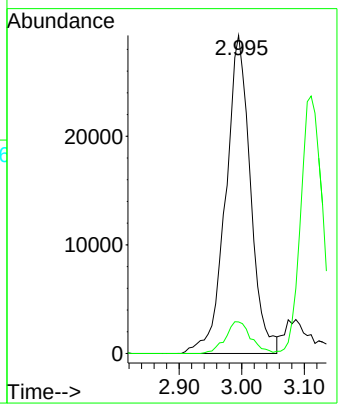




#11
Tert butyl alcohol
Concen: 220.360 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 59 Resp: 80418

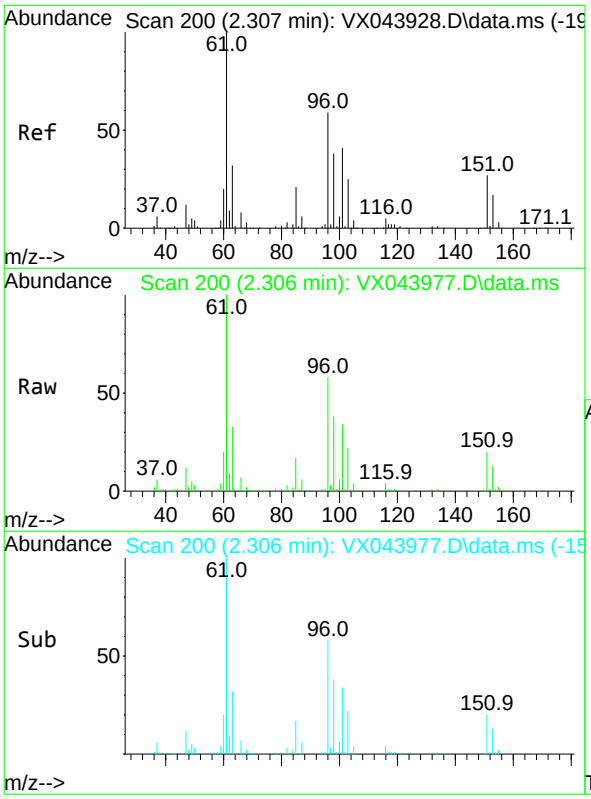
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

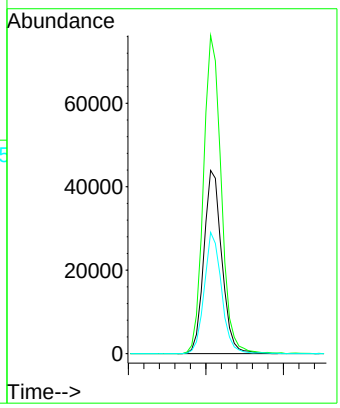
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

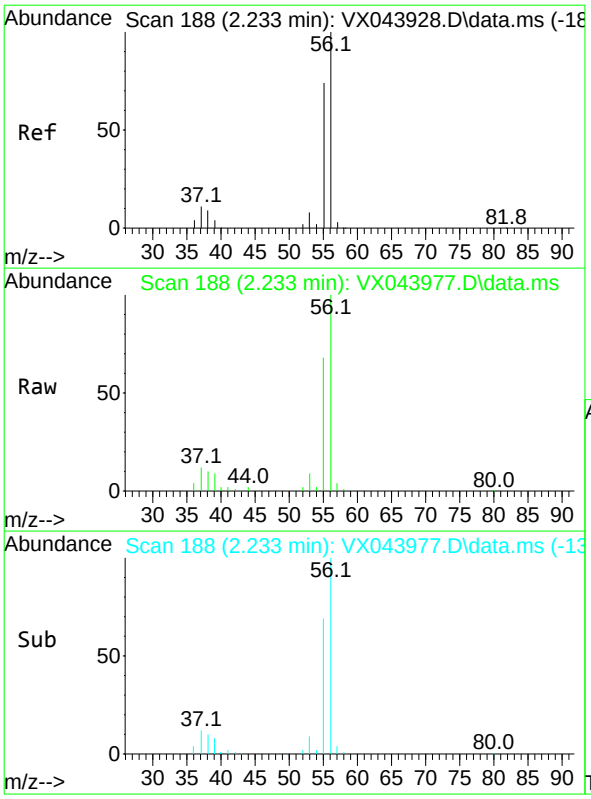


#12
1,1-Dichloroethene
Concen: 46.080 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 70387

Ion	Ratio	Lower	Upper
96	100		
61	173.6	135.5	203.3
98	66.2	50.8	76.2

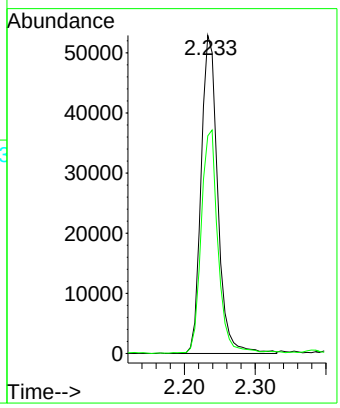




#13
Acrolein
Concen: 224.411 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 56 Resp: 86322

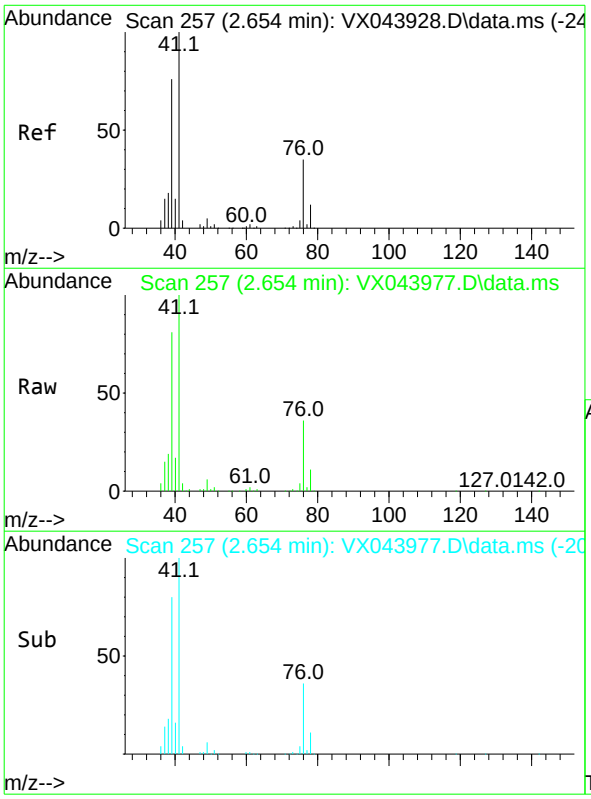
Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

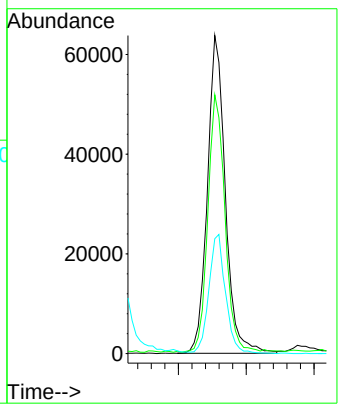
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

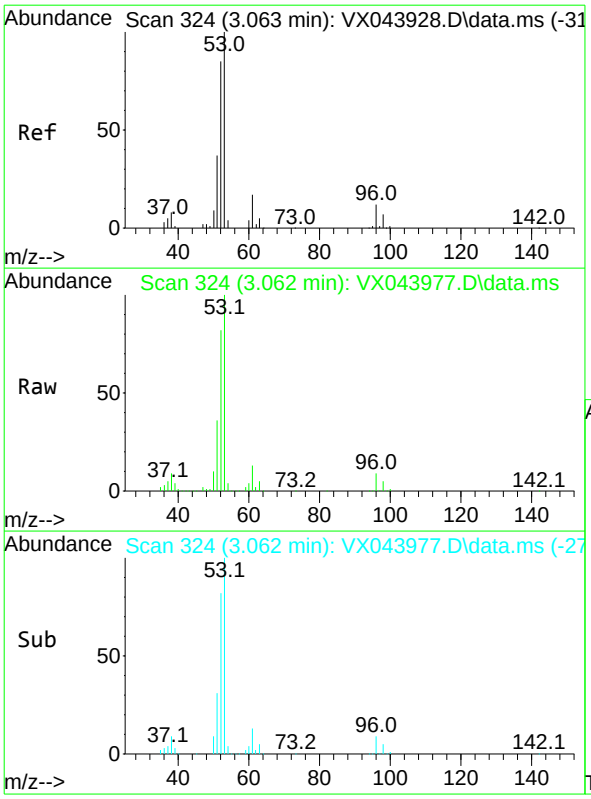


#14
Allyl chloride
Concen: 47.063 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 117463

Ion	Ratio	Lower	Upper
41	100		
39	76.9	59.5	89.3
76	34.8	27.4	41.2

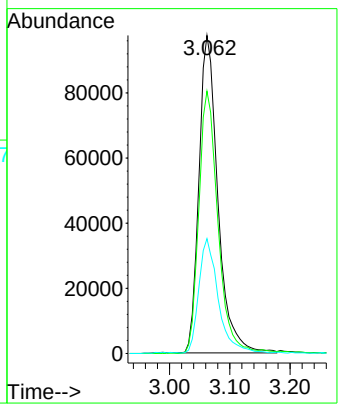




#15
Acrylonitrile
Concen: 239.244 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 53 Resp: 212767

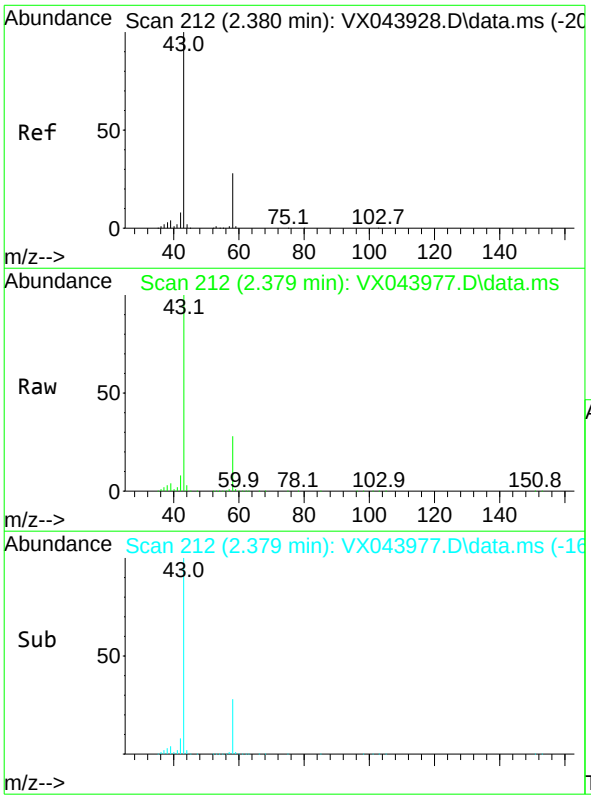
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	36.8	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

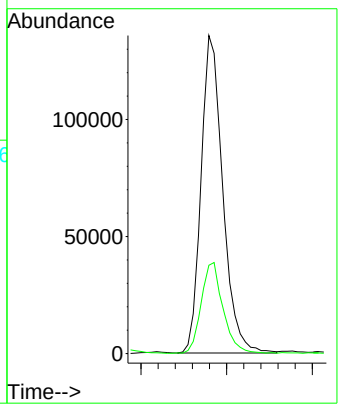
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

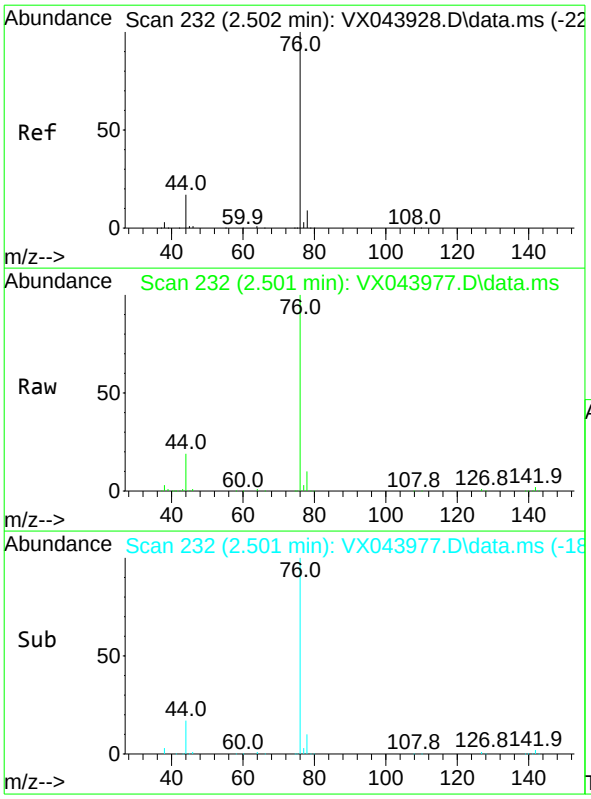


#16
Acetone
Concen: 228.890 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 239021

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.7	34.1





#17
Carbon Disulfide
Concen: 44.155 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

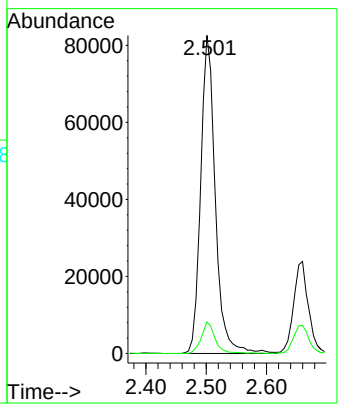
Tgt Ion: 76 Resp: 139122

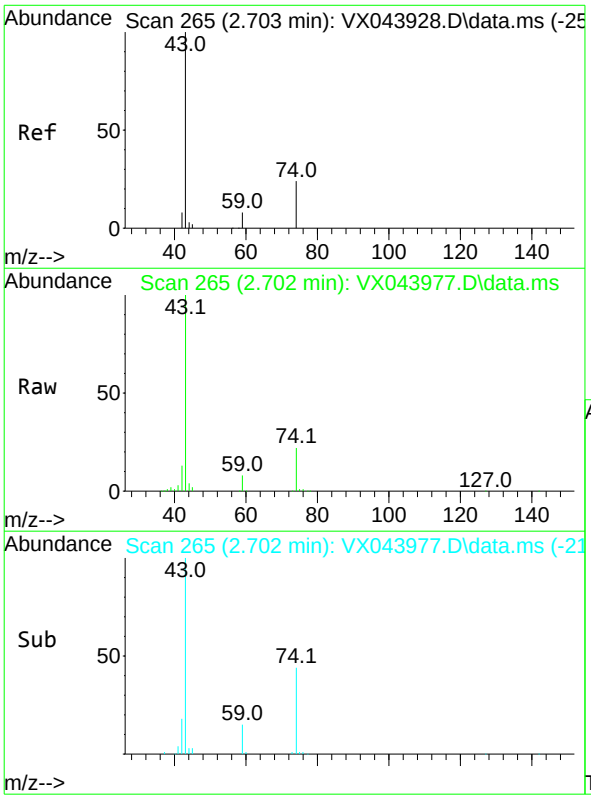
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

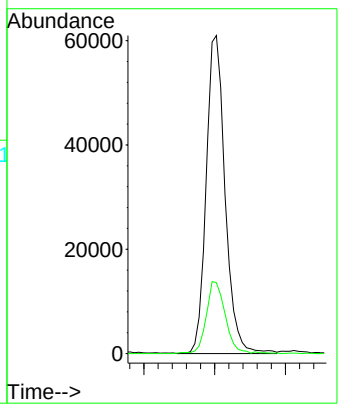


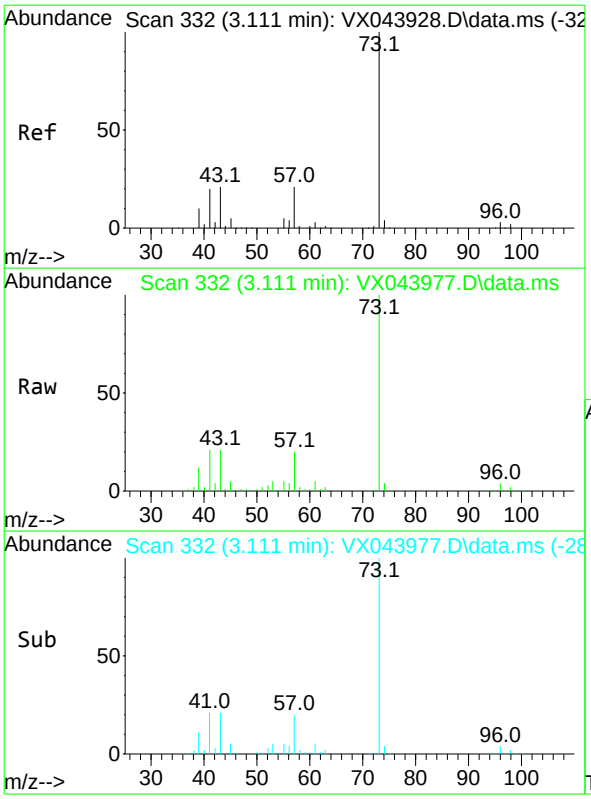


#18
Methyl Acetate
Concen: 46.531 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 113156

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3

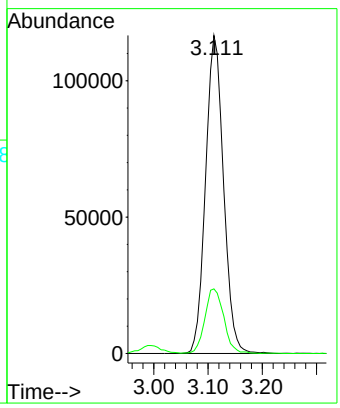




#19
Methyl tert-butyl Ether
Concen: 48.373 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 73 Resp: 268289

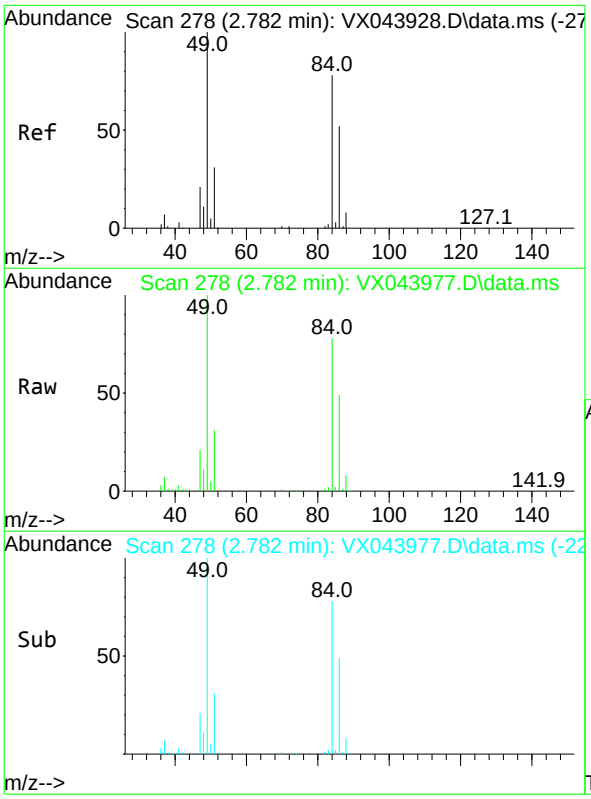
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

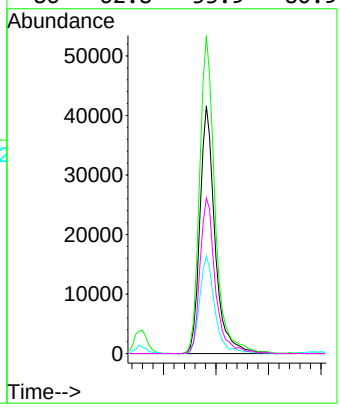
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

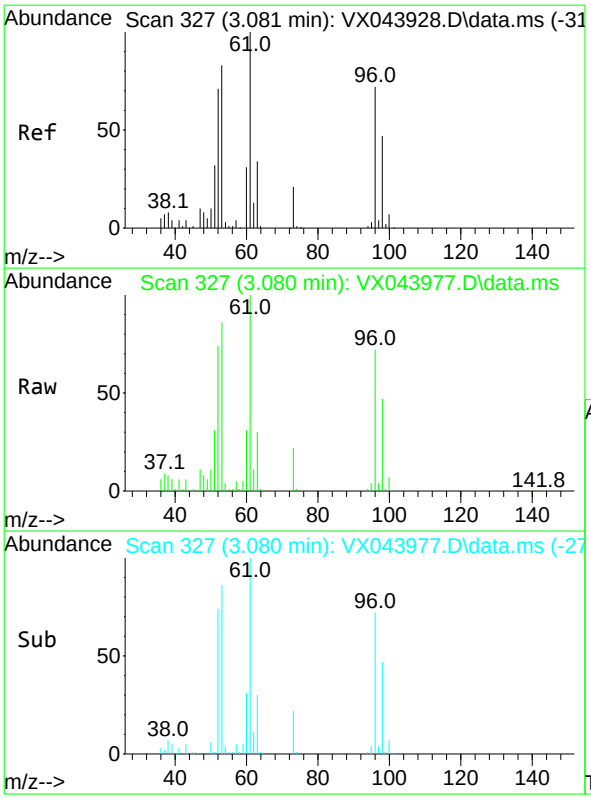


#20
Methylene Chloride
Concen: 46.719 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 84 Resp: 82791

Ion	Ratio	Lower	Upper
84	100		
49	128.3	102.7	154.1
51	39.3	31.7	47.5
86	62.8	53.9	80.9

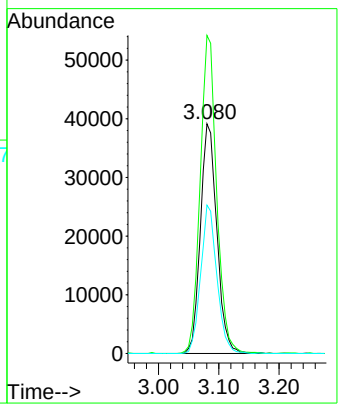




#21
trans-1,2-Dichloroethene
Concen: 47.034 ug/l
RT: 3.080 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 74174

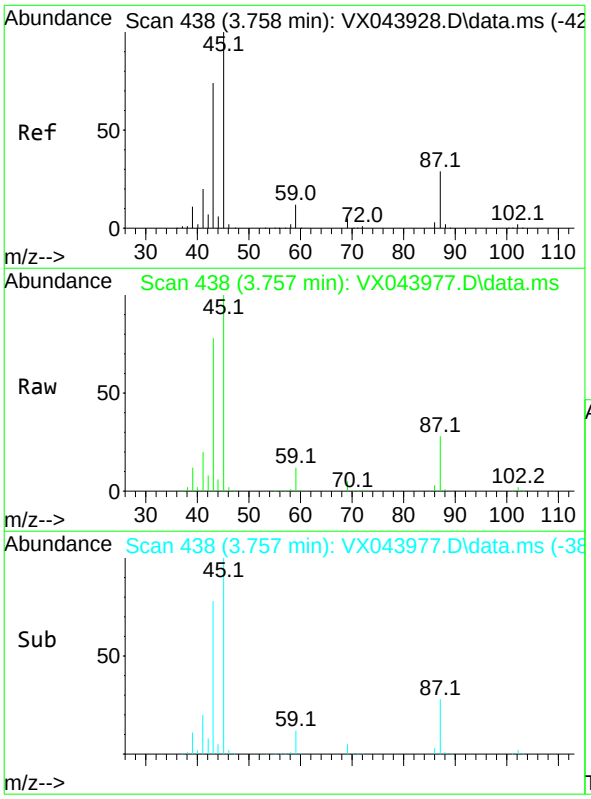
Ion	Ratio	Lower	Upper
96	100		
61	138.5	111.8	167.6
98	64.6	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

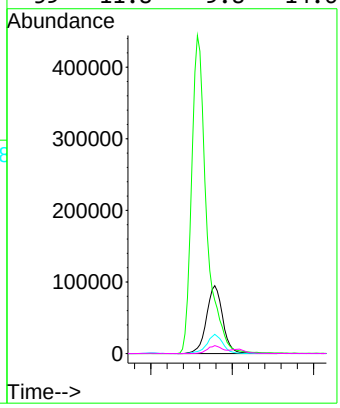
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

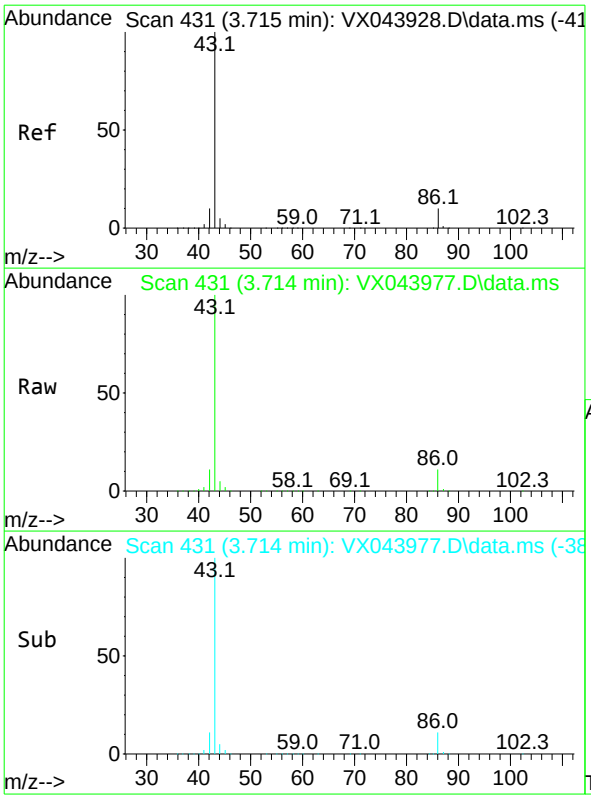


#22
Diisopropyl ether
Concen: 49.207 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 45 Resp: 262616

Ion	Ratio	Lower	Upper
45	100		
43	78.3	59.6	89.4
87	28.3	22.9	34.3
59	11.8	9.8	14.6





#23
Vinyl Acetate
Concen: 248.374 ug/l
RT: 3.714 min Scan# 43
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

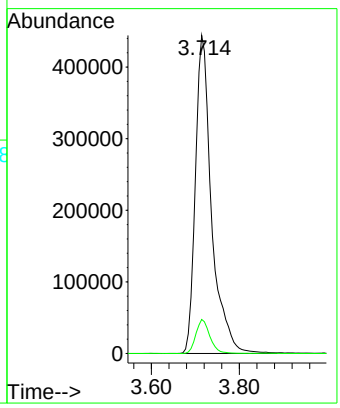
Tgt Ion: 43 Resp: 1133947

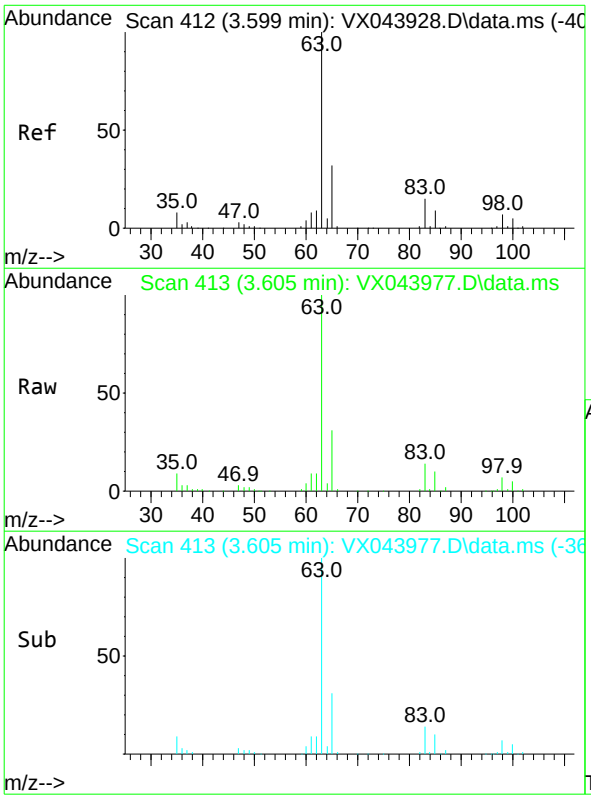
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

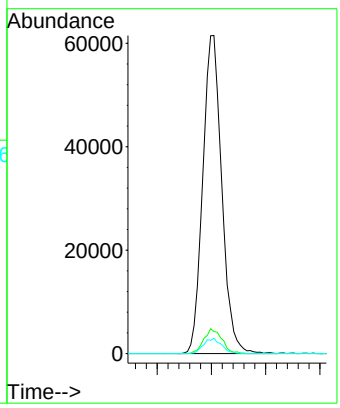


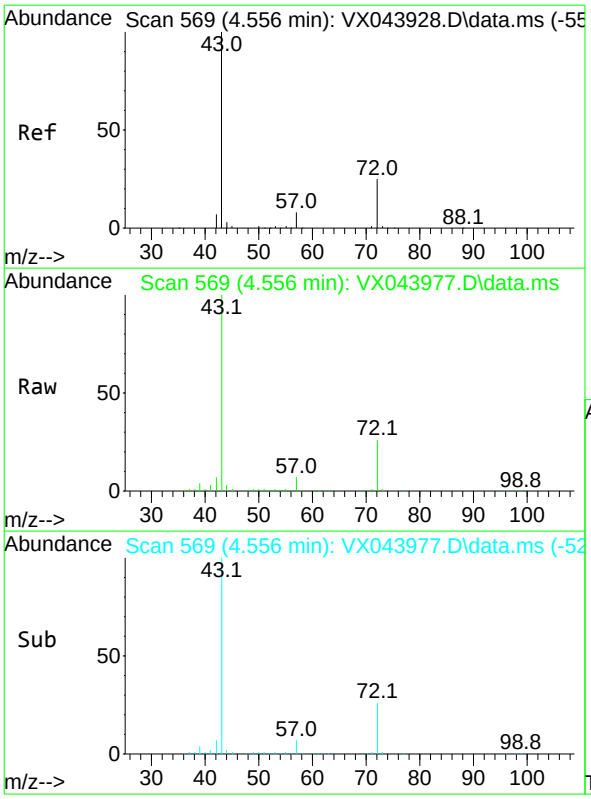


#24
1,1-Dichloroethane
Concen: 48.697 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 149933

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.8	2.4	7.1

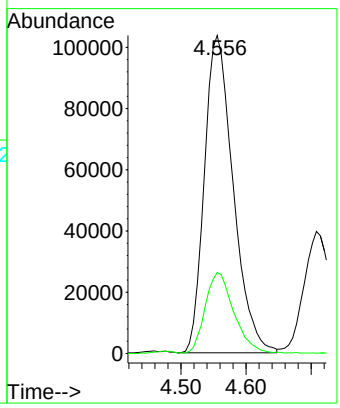




#25
2-Butanone
Concen: 236.327 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 318432

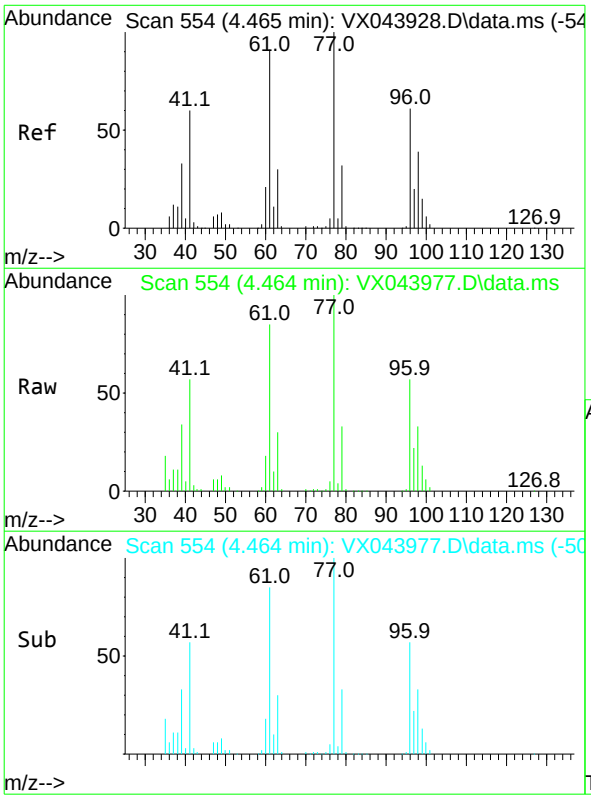
Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

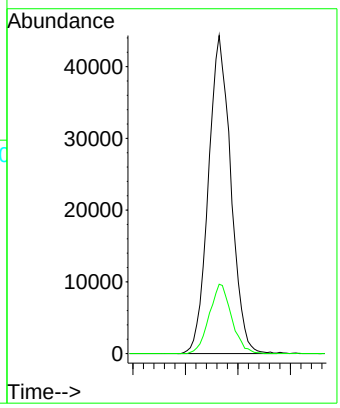
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

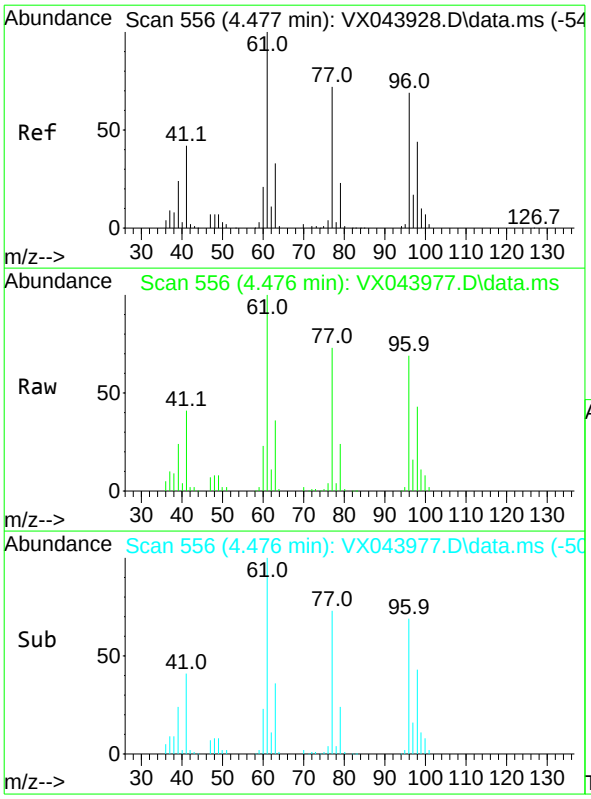


#26
2,2-Dichloropropane
Concen: 47.384 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 77 Resp: 131754

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

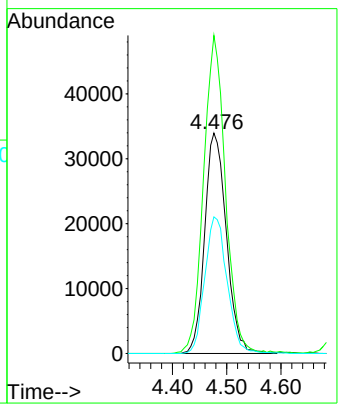




#27
cis-1,2-Dichloroethene
Concen: 48.444 ug/l
RT: 4.476 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 94434

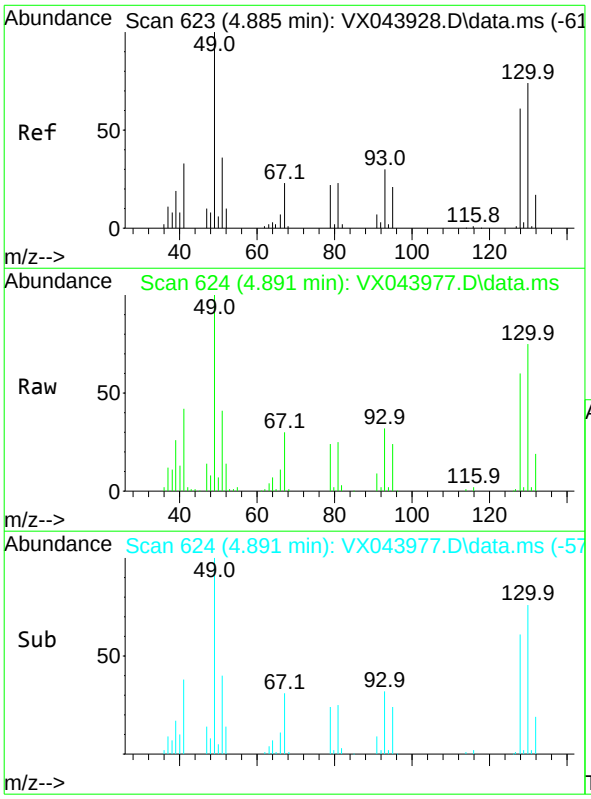
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	297.4
98	63.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

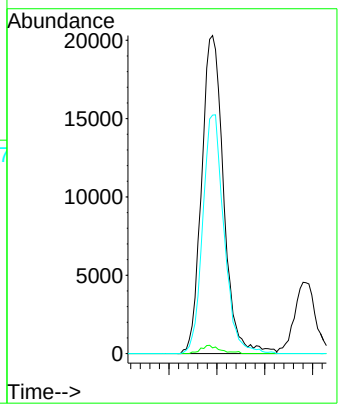
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

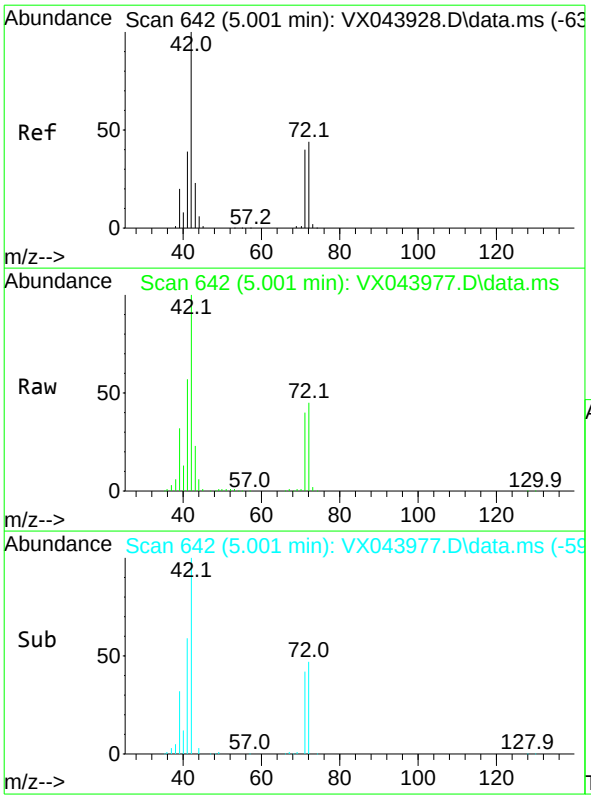


#28
Bromochloromethane
Concen: 47.856 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 49 Resp: 64856

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	72.8	59.0	88.6

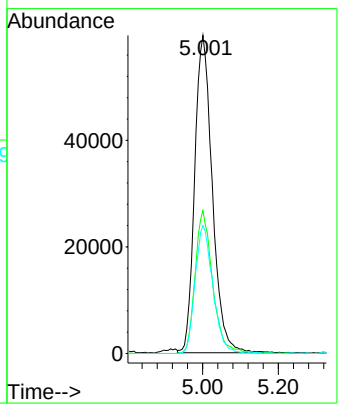




#29
Tetrahydrofuran
Concen: 232.975 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 42 Resp: 192450

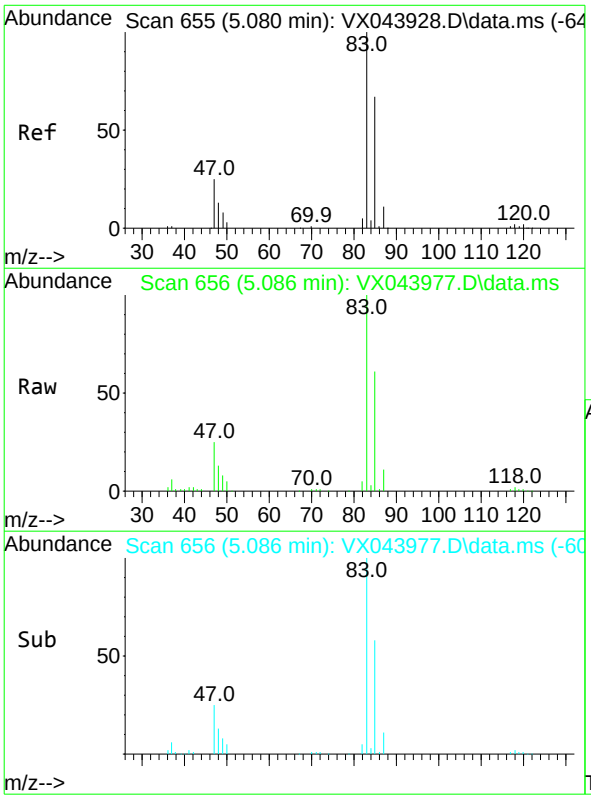
Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.4	54.6
71	40.5	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

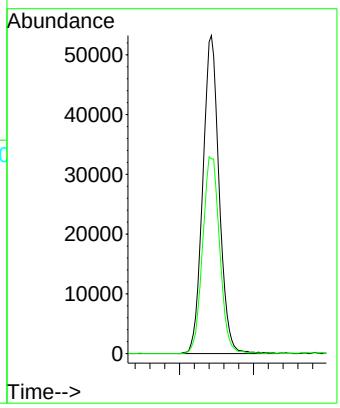
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

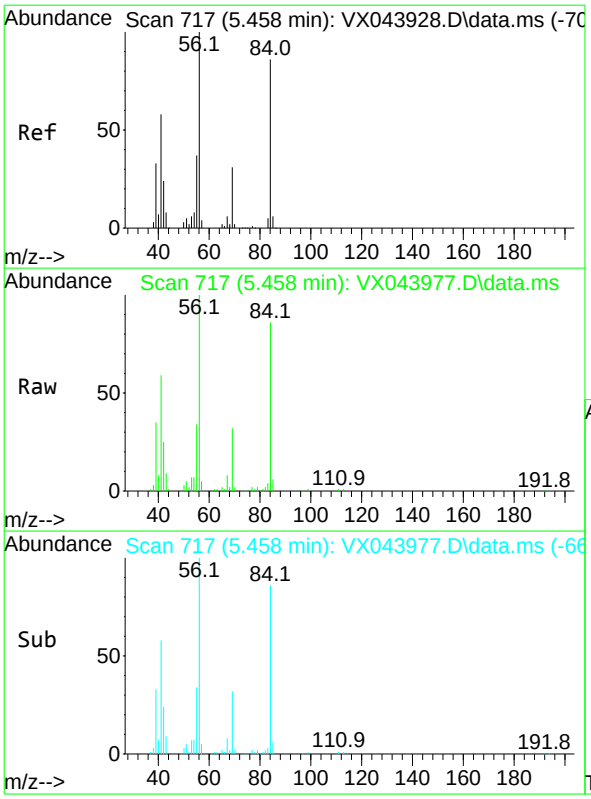


#30
Chloroform
Concen: 49.337 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 163376

Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.5	80.3

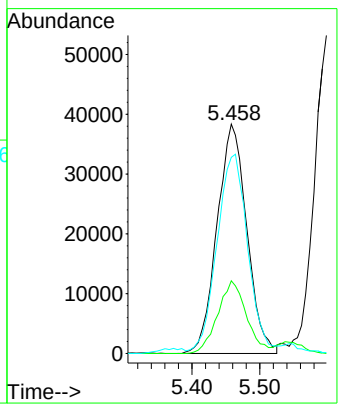




#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 56 Resp: 117118

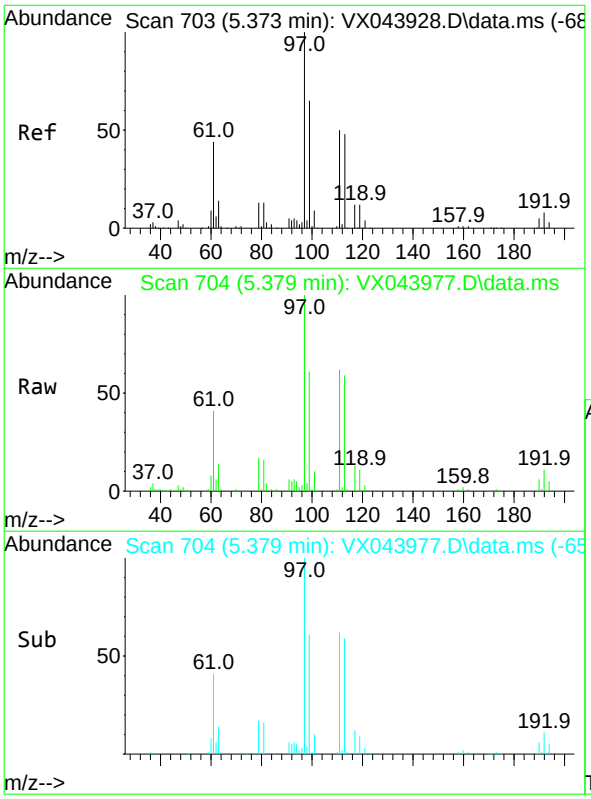
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.7	37.1
84	83.9	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

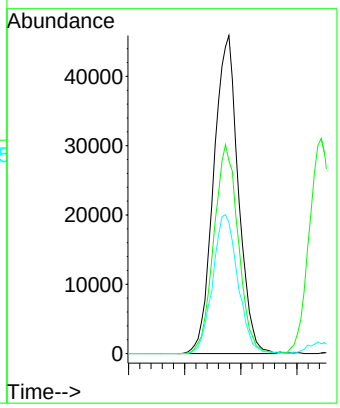
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

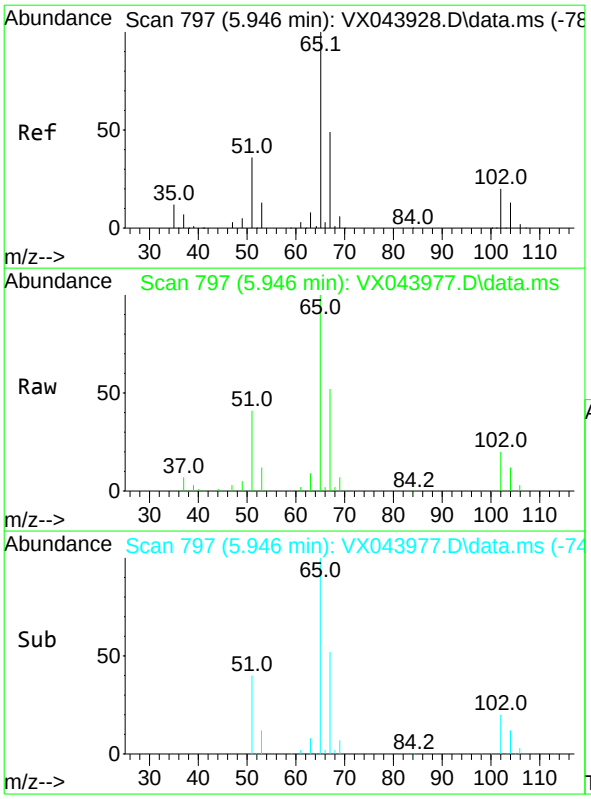


#32
1,1,1-Trichloroethane
Concen: 49.023 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 97 Resp: 139993

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	44.6	35.4	53.2

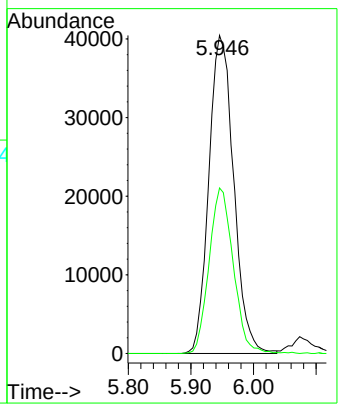




#33
1,2-Dichloroethane-d4
Concen: 49.000 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 65 Resp: 111407

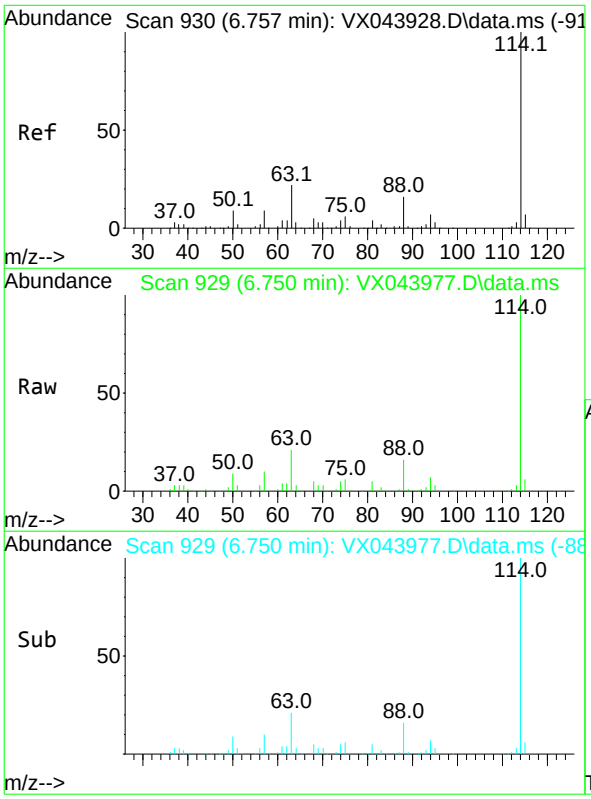
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

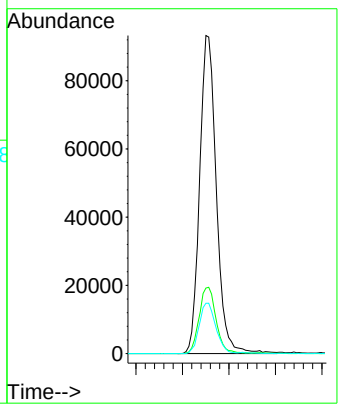
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

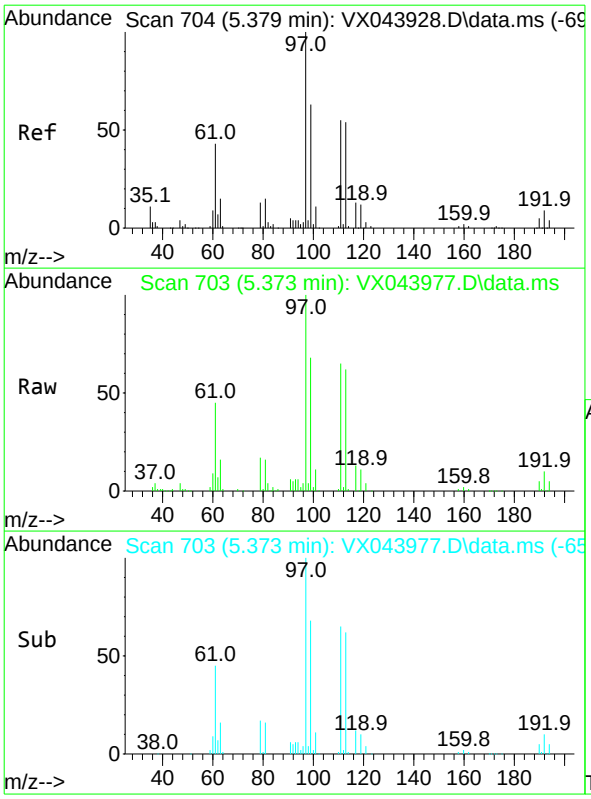


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:114 Resp: 232543

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	15.8	0.0	32.4

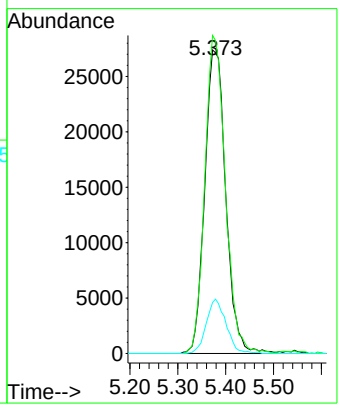




#35
Dibromofluoromethane
Concen: 50.333 ug/l
RT: 5.373 min Scan# 70
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:113 Resp: 83636

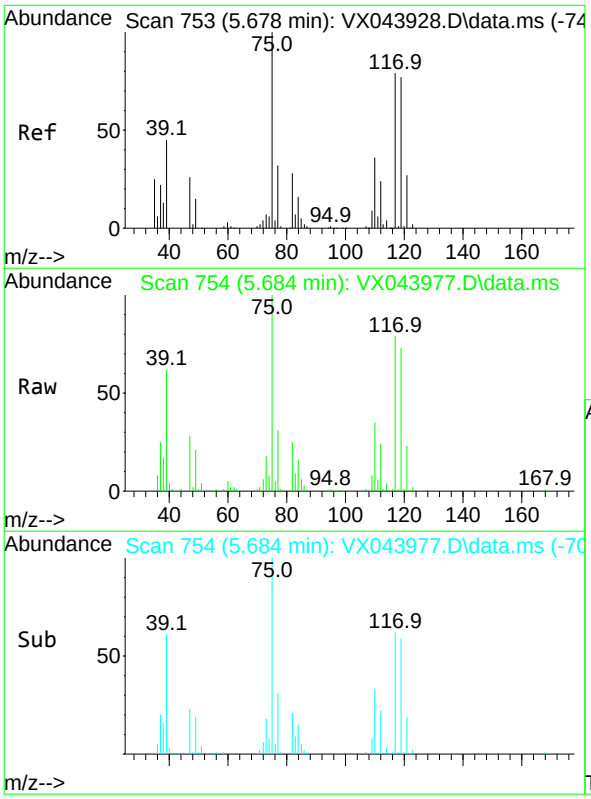
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.4
192	16.9	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

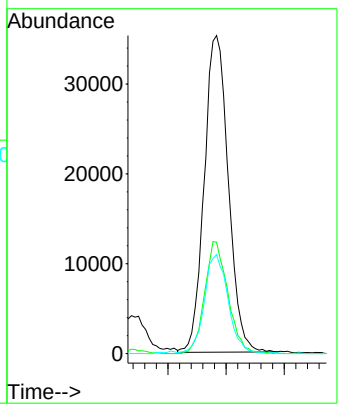
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

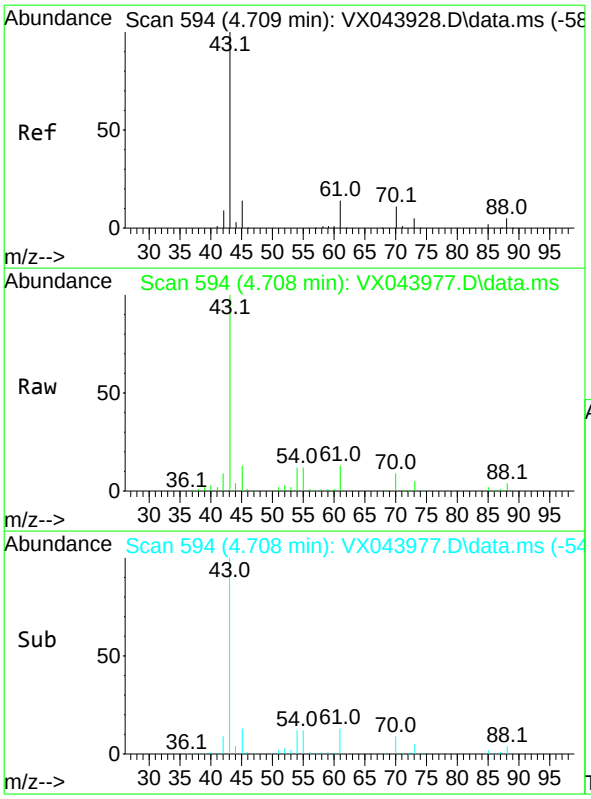


#36
1,1-Dichloropropene
Concen: 49.026 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 101514

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.2
77	30.9	25.8	38.8





#37
Ethyl Acetate
Concen: 46.278 ug/l
RT: 4.708 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

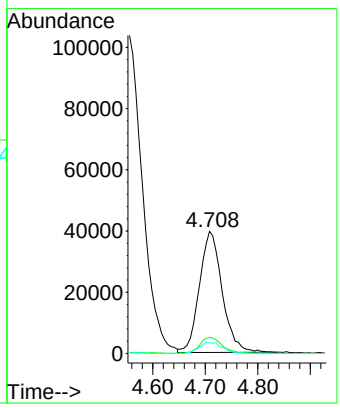
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

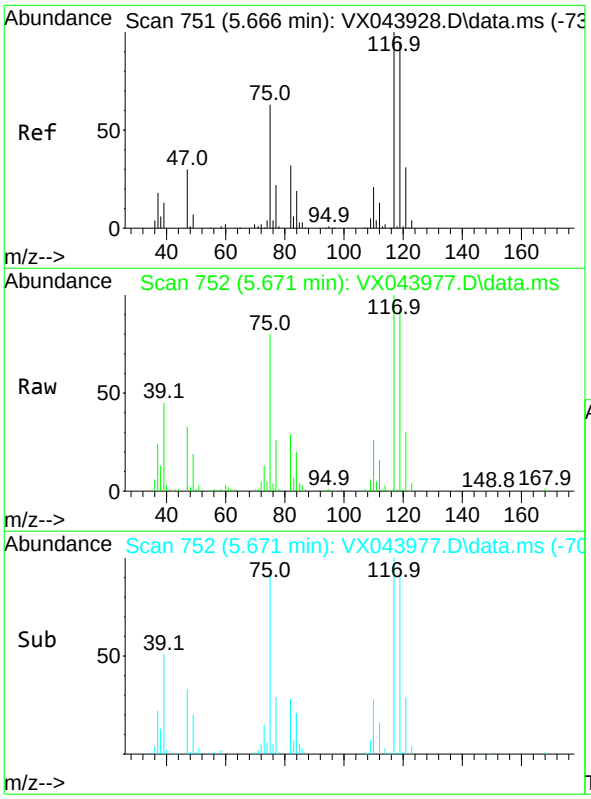
Tgt Ion: 43 Resp: 118947

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.4	8.0	12.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

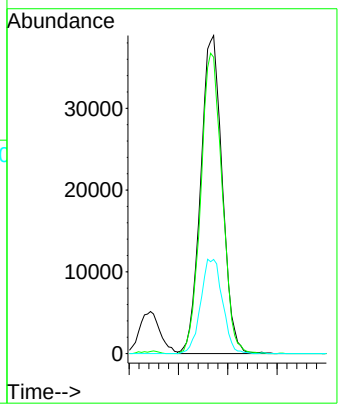


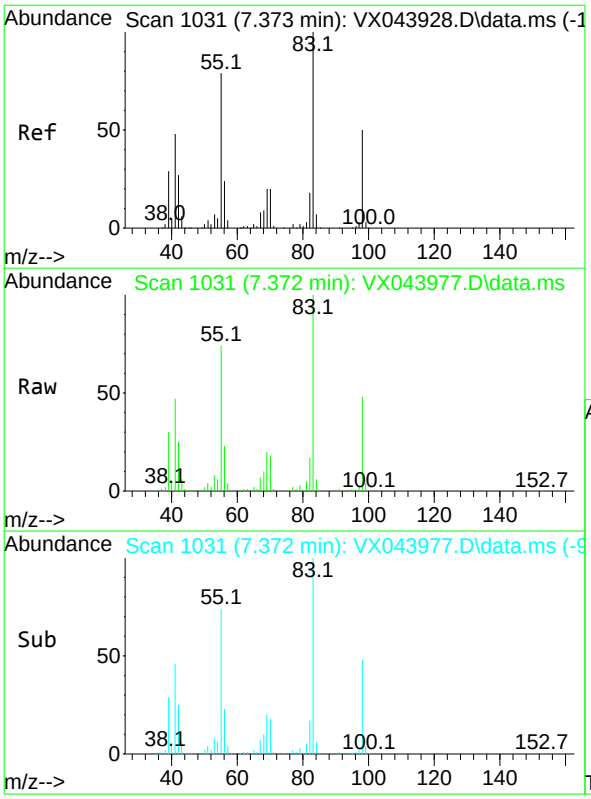


#38
Carbon Tetrachloride
Concen: 50.716 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 117996

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.2	112.8
121	29.6	24.5	36.7





#39
Methylcyclohexane
Concen: 47.843 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

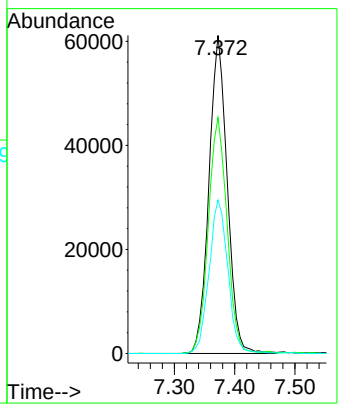
Tgt Ion: 83 Resp: 128697

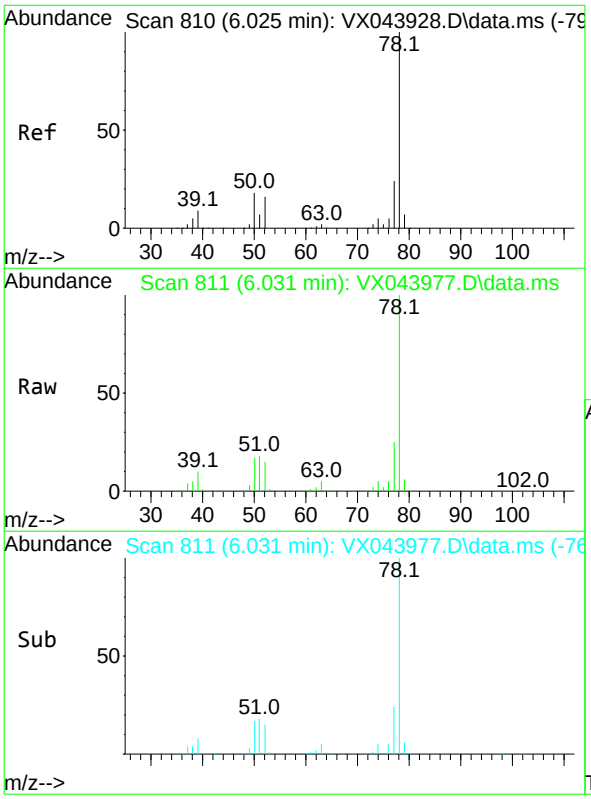
Ion	Ratio	Lower	Upper
83	100		
55	74.2	63.1	94.7
98	48.3	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

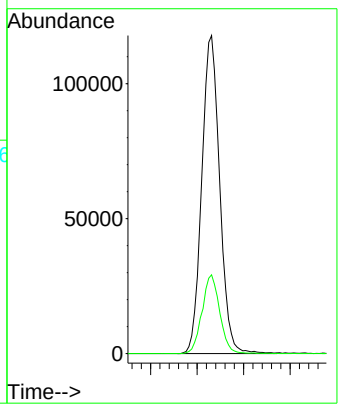


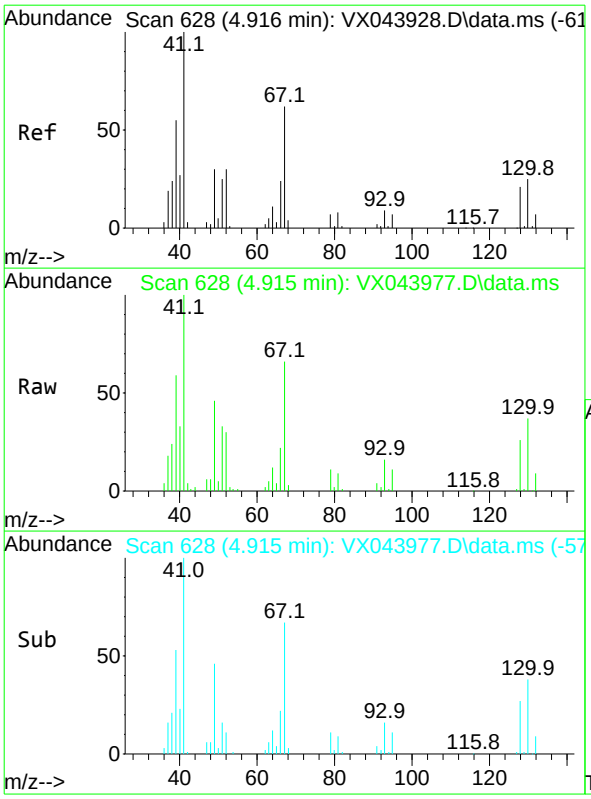


#40
Benzene
Concen: 48.936 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 78 Resp: 315624

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

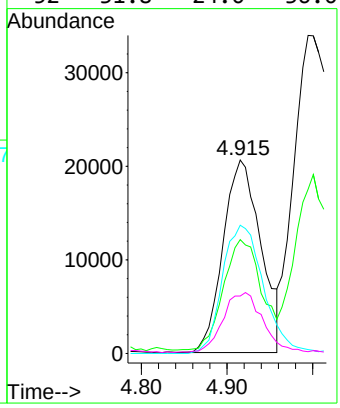




#41
Methacrylonitrile
Concen: 48.098 ug/l
RT: 4.915 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 63274

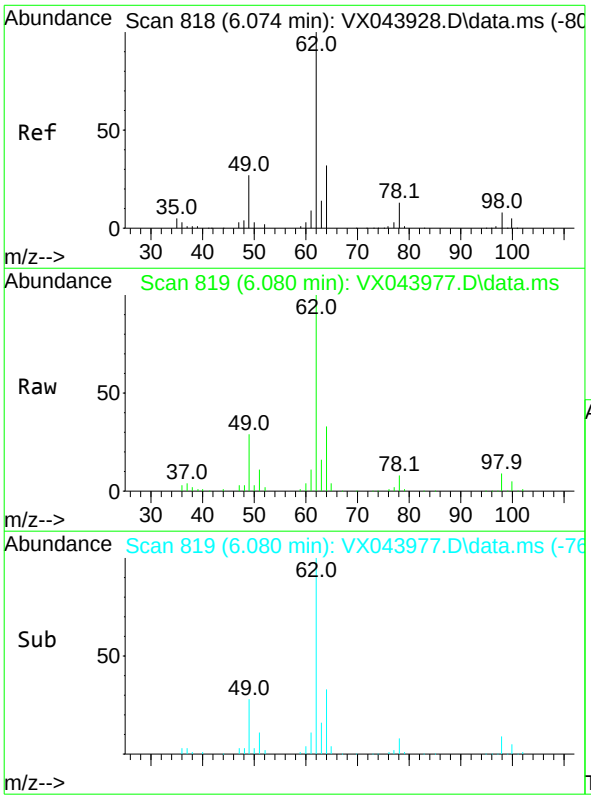
Ion	Ratio	Lower	Upper
41	100		
39	57.8	41.7	62.5
67	72.6	55.8	83.8
52	31.8	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

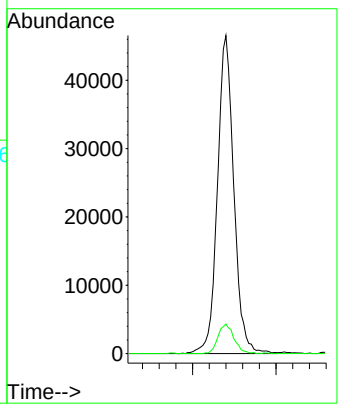
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

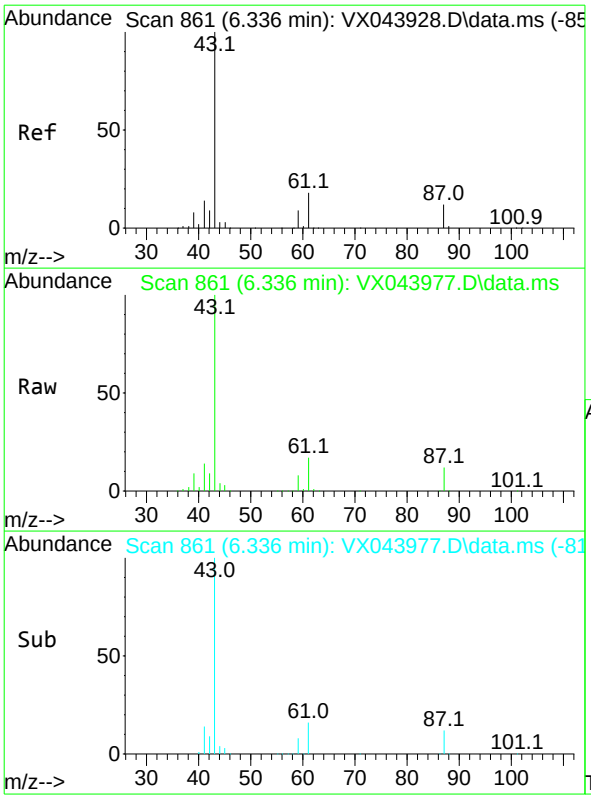


#42
1,2-Dichloroethane
Concen: 49.018 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 126975

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.4

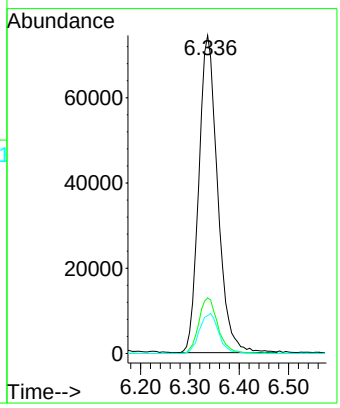




#43
Isopropyl Acetate
Concen: 48.245 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 197344

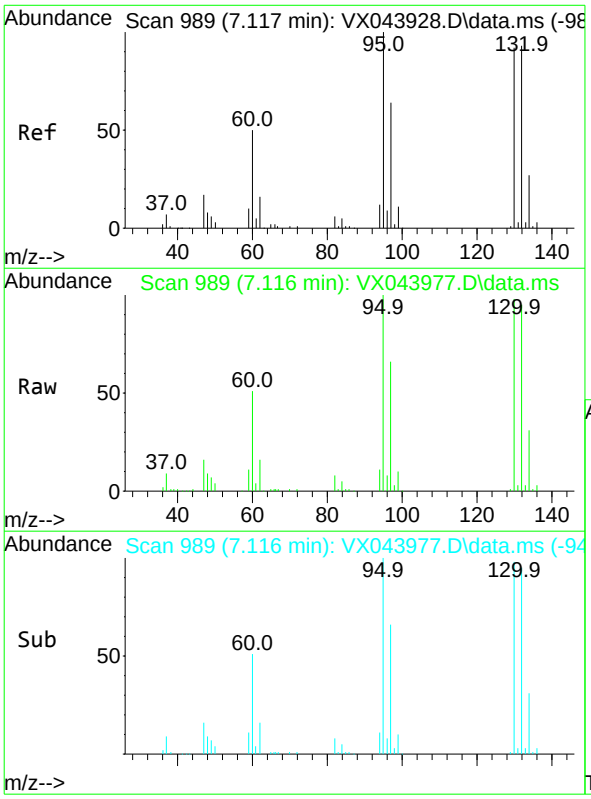
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	12.9	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

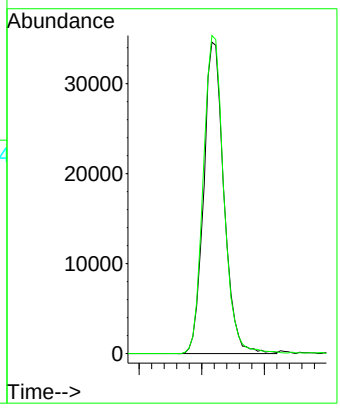
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

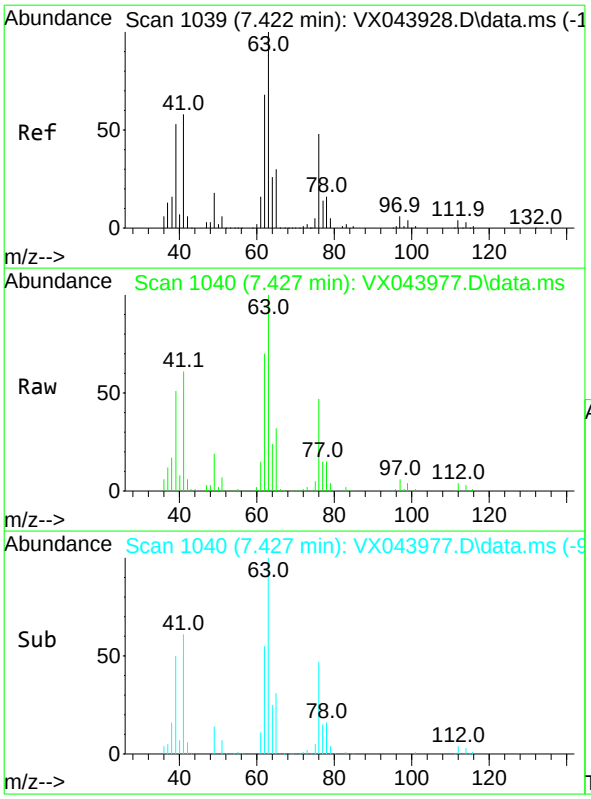


#44
Trichloroethene
Concen: 42.546 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:130 Resp: 77683

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	217.8

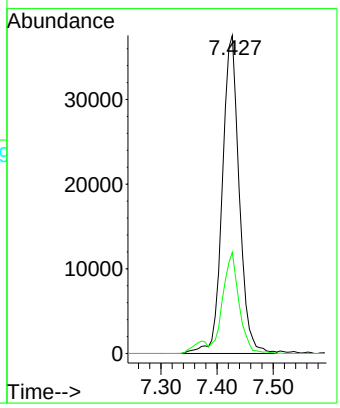




#45
1,2-Dichloropropane
Concen: 49.890 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 78811

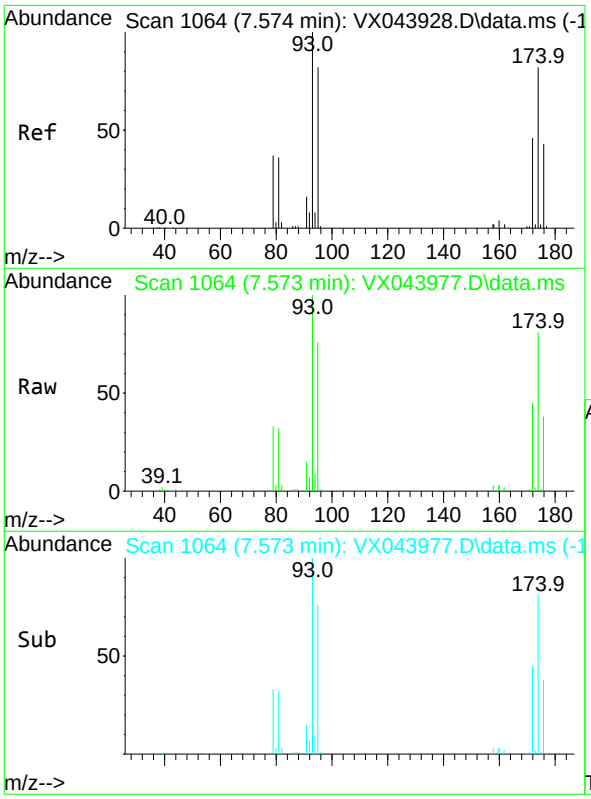
Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

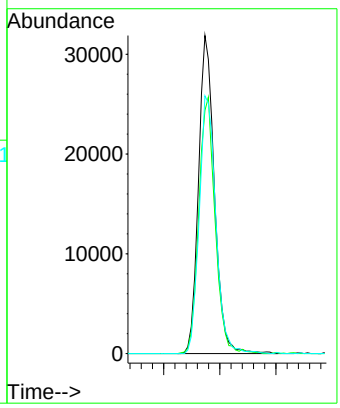
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

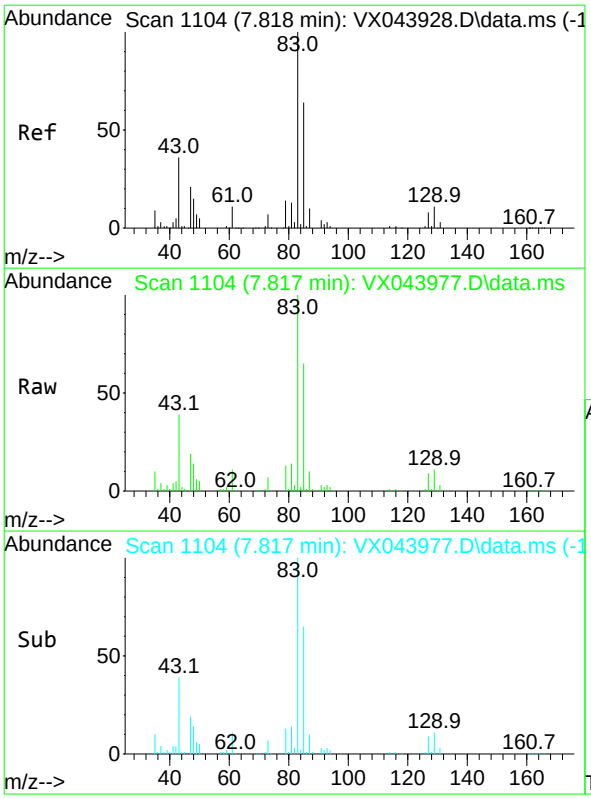


#46
Dibromomethane
Concen: 50.387 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 93 Resp: 62964

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	84.6	69.6	104.4

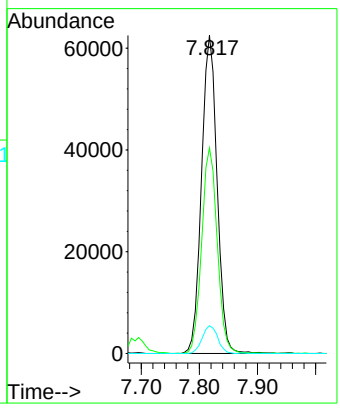




#47
Bromodichloromethane
Concen: 51.893 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 116299

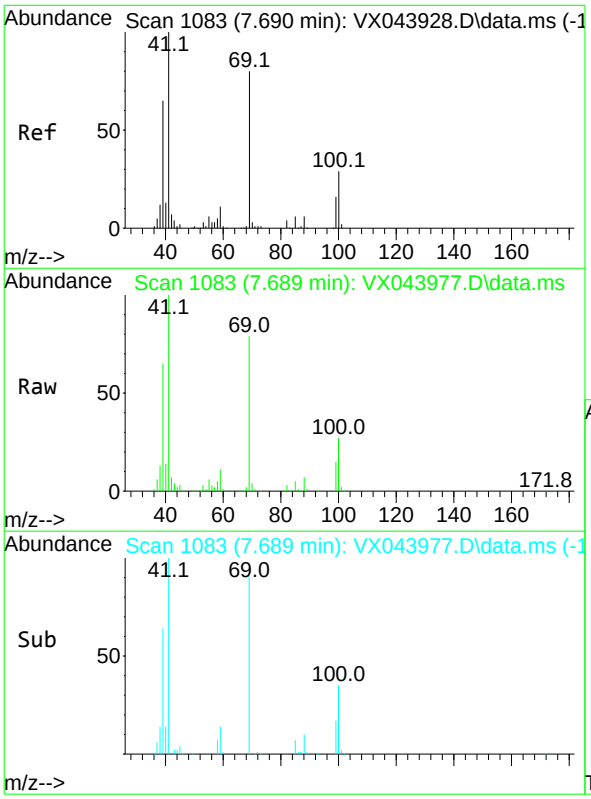
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.7	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

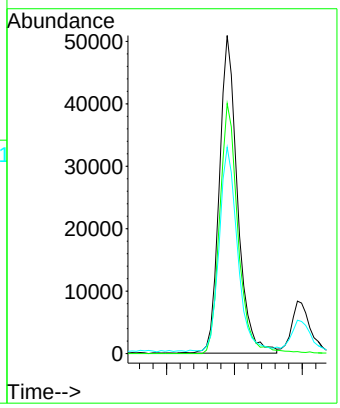
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

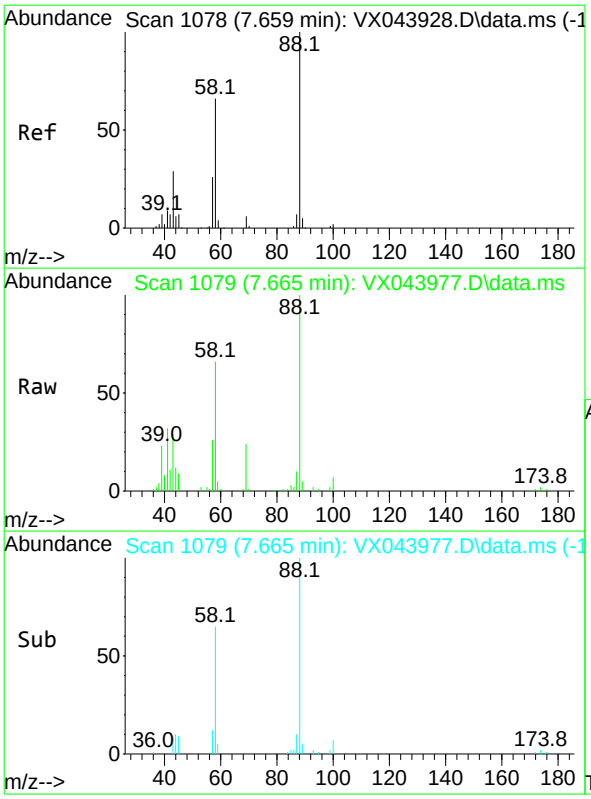


#48
Methyl methacrylate
Concen: 48.244 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 94692

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	63.9	53.3	79.9

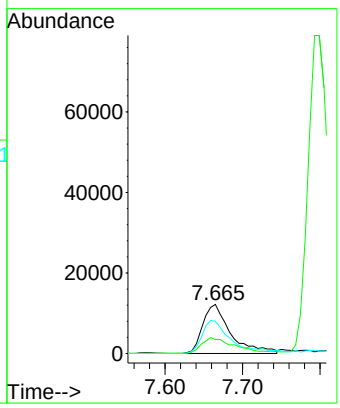




#49
1,4-Dioxane
Concen: 869.321 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 88 Resp: 30394

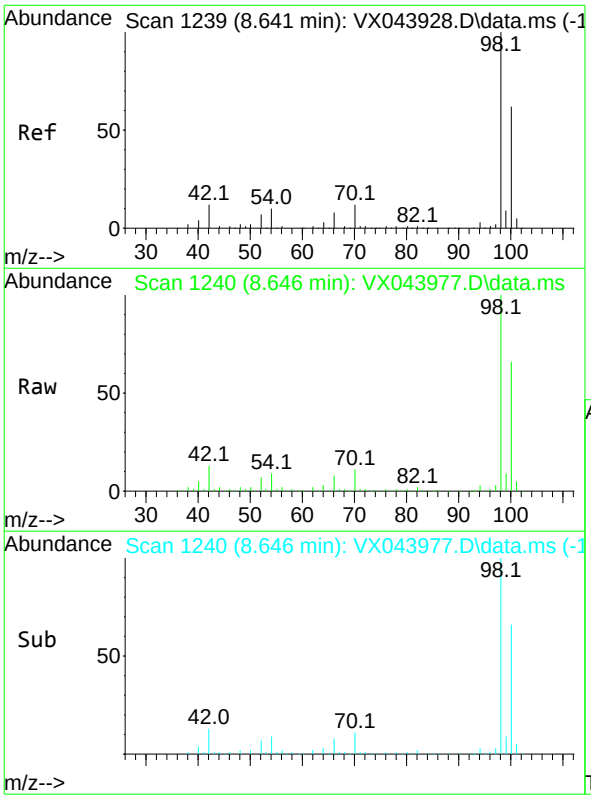
Ion	Ratio	Lower	Upper
88	100		
43	40.1	26.8	40.2
58	71.7	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

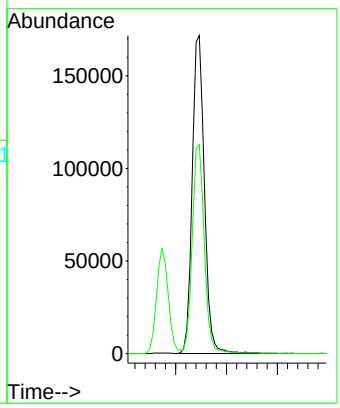
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

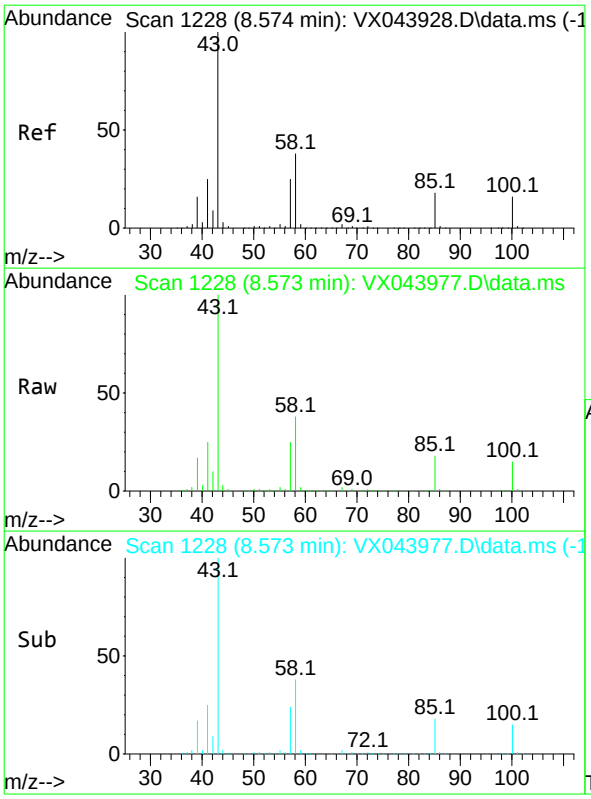


#50
Toluene-d8
Concen: 49.805 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 98 Resp: 285275

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

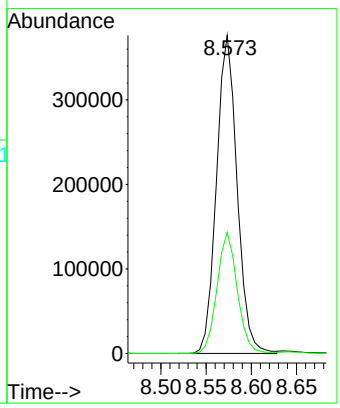




#51
4-Methyl-2-Pentanone
Concen: 238.823 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 596153

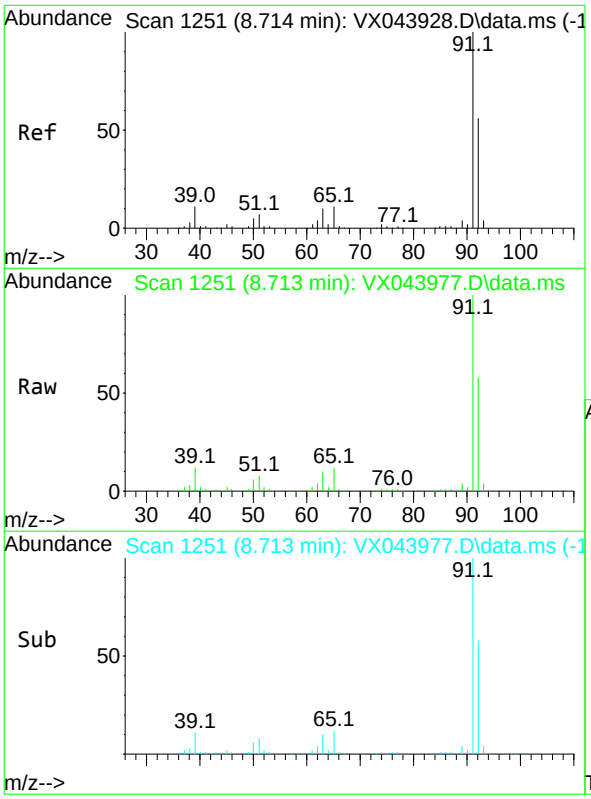
Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

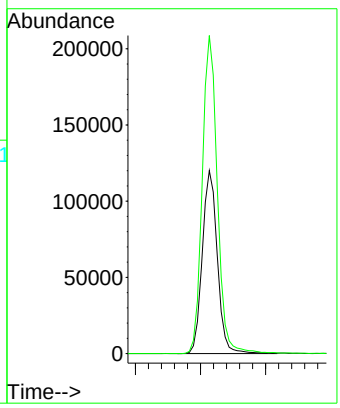
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

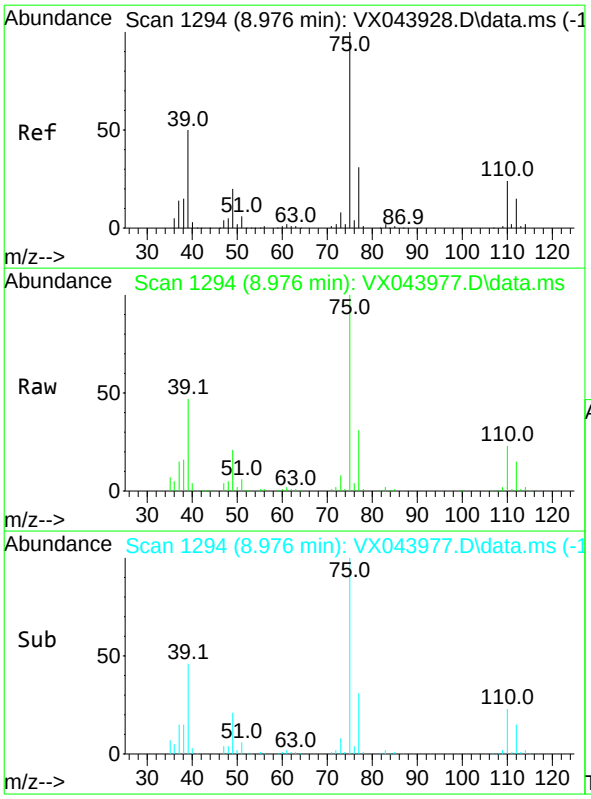


#52
Toluene
Concen: 50.022 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 92 Resp: 193103

Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.7	209.5

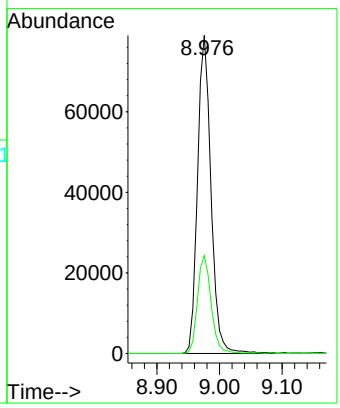




#53
t-1,3-Dichloropropene
Concen: 51.600 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 117928

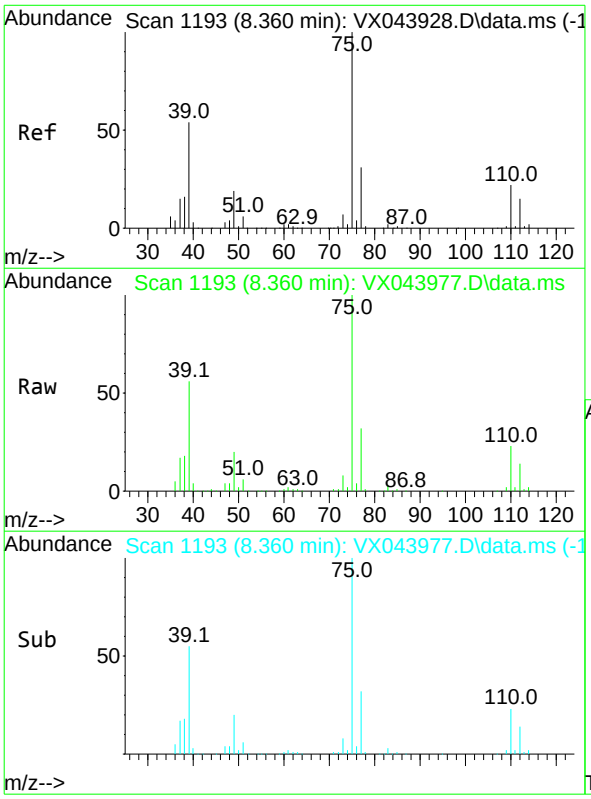
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

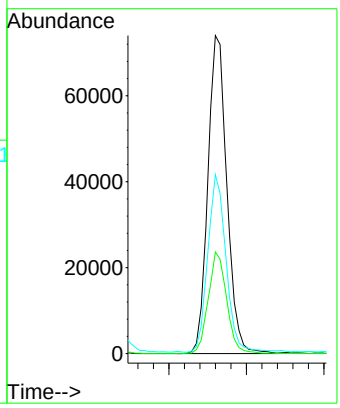
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

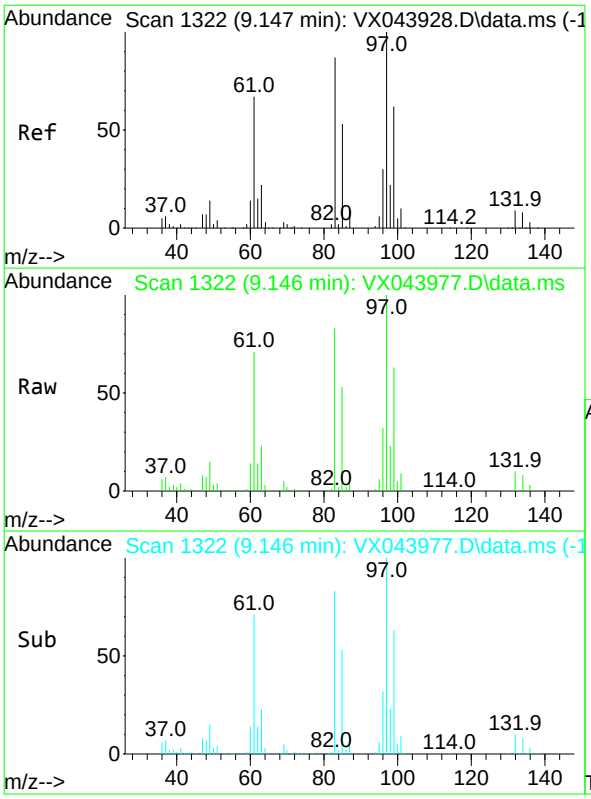


#54
cis-1,3-Dichloropropene
Concen: 50.373 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 126204

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	55.6	43.1	64.7

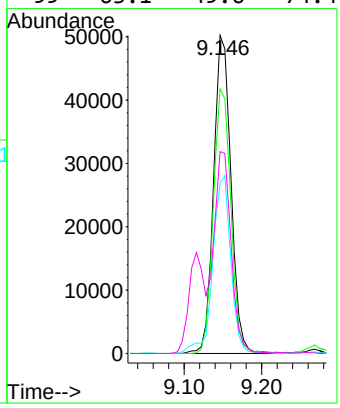




#55
1,1,2-Trichloroethane
Concen: 49.075 ug/l
RT: 9.146 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 97 Resp: 78203

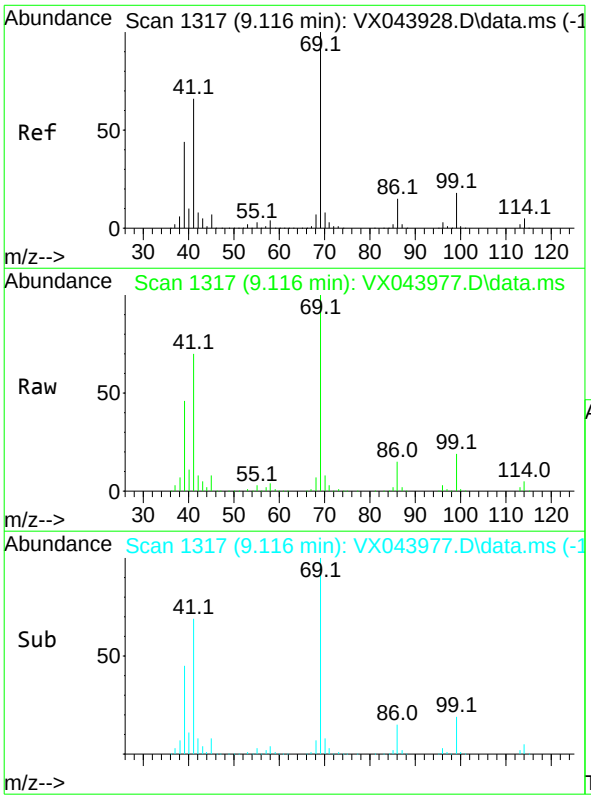
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	53.5	42.3	63.5
99	63.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

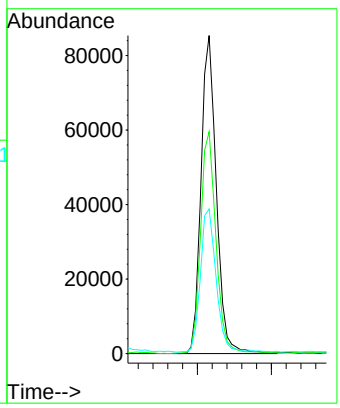
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

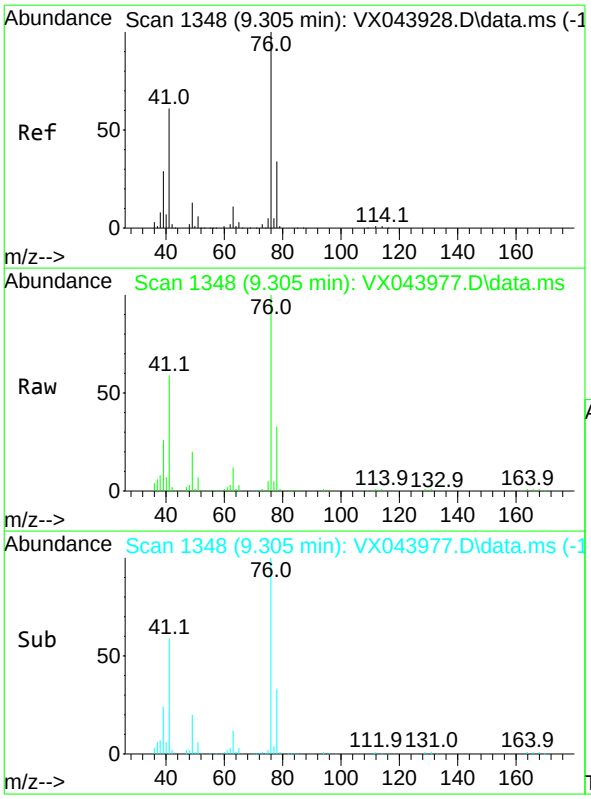


#56
Ethyl methacrylate
Concen: 49.531 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 69 Resp: 122941

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.8
39	46.5	36.7	55.1

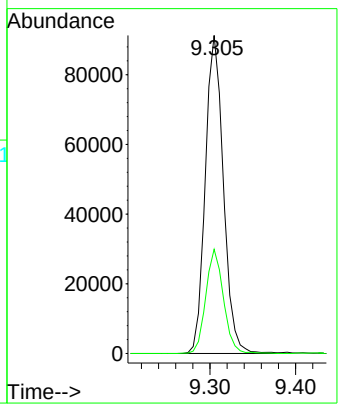




#57
1,3-Dichloropropane
Concen: 49.872 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 76 Resp: 133878

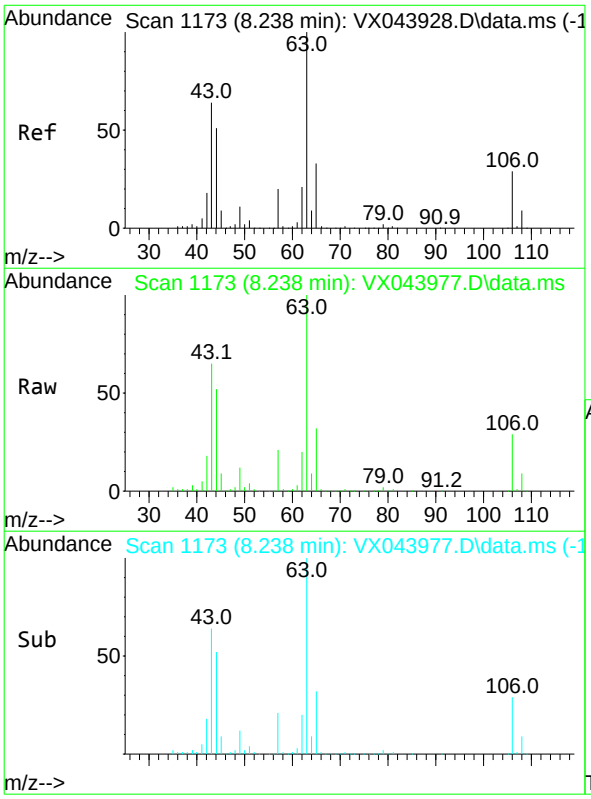
Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

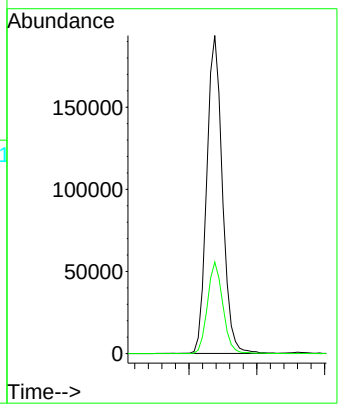
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

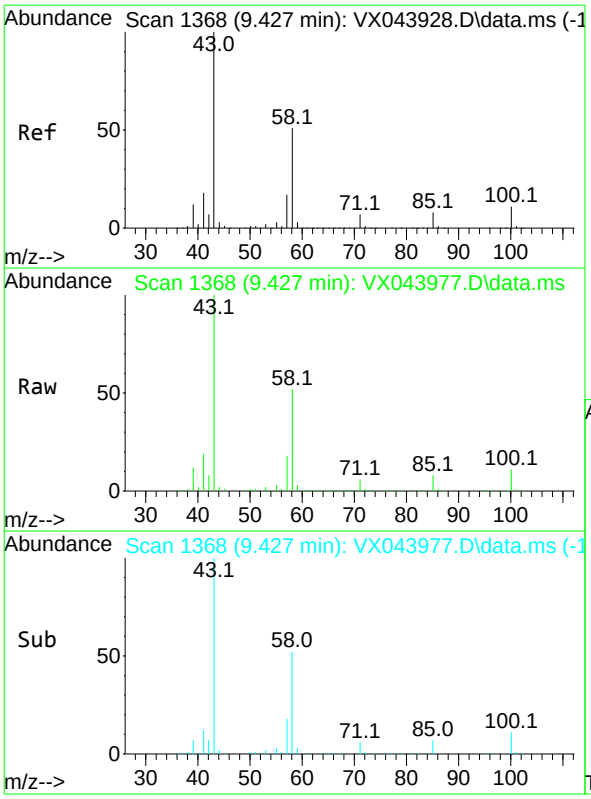


#58
2-Chloroethyl Vinyl ether
Concen: 226.771 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 308826

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6

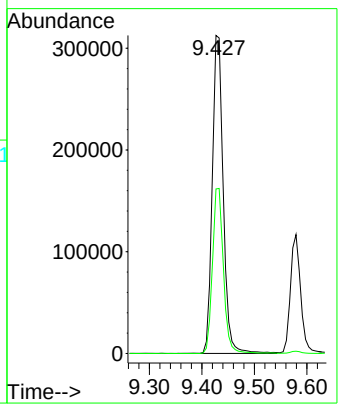




#59
2-Hexanone
Concen: 241.619 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 453330

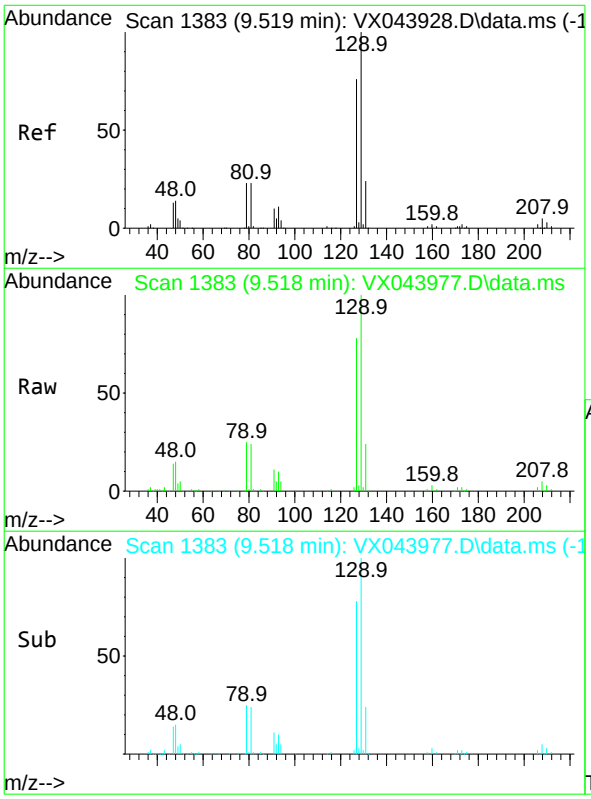
Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

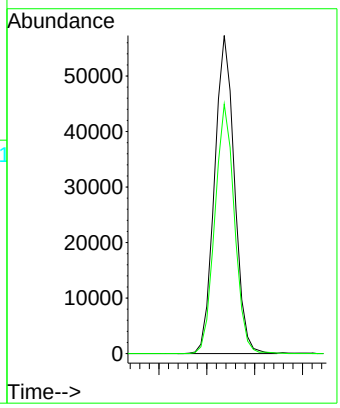
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

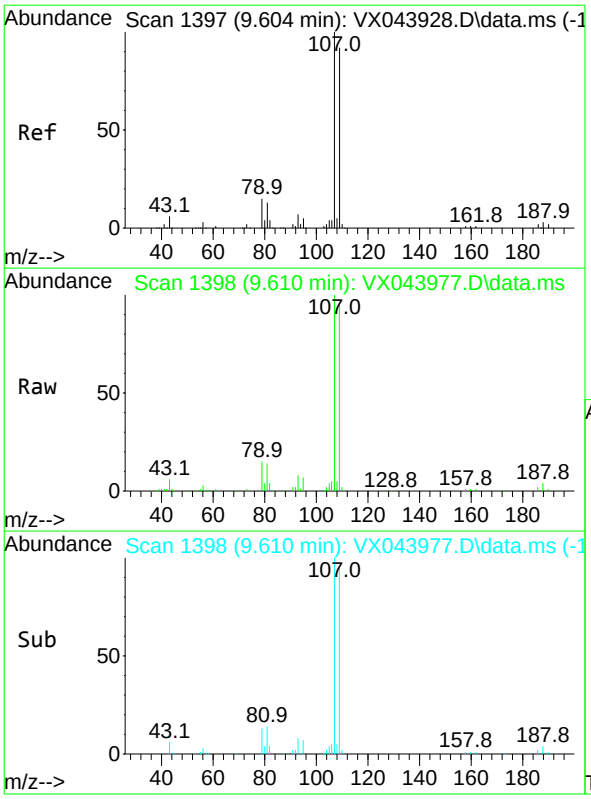


#60
Dibromochloromethane
Concen: 51.814 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:129 Resp: 82843

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6

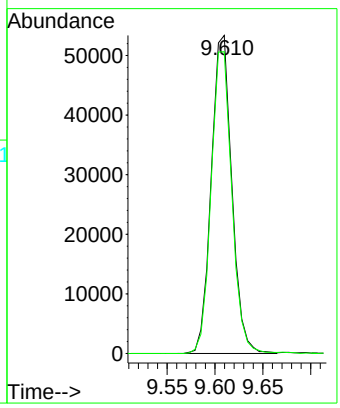




#61
1,2-Dibromoethane
Concen: 49.645 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:107 Resp: 79994

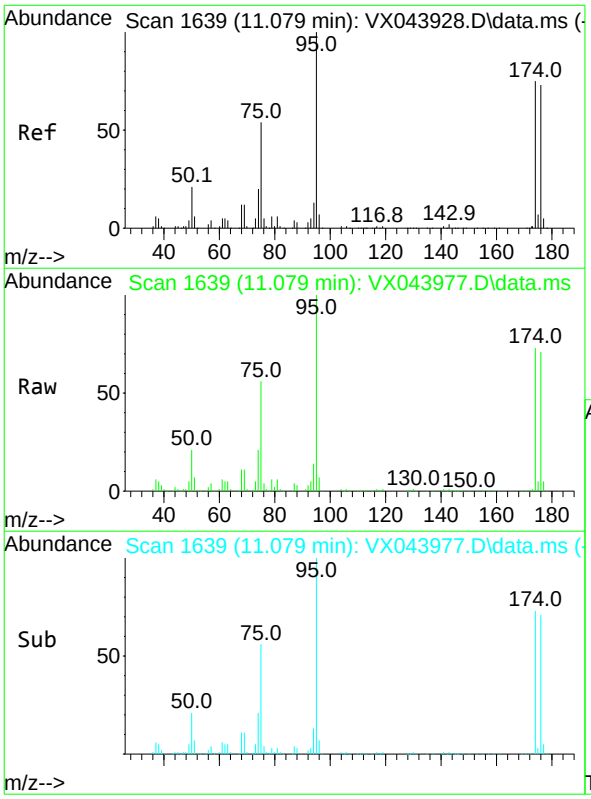
Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

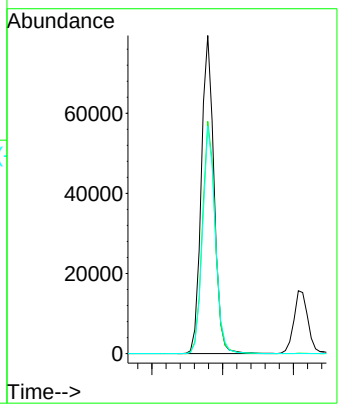
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

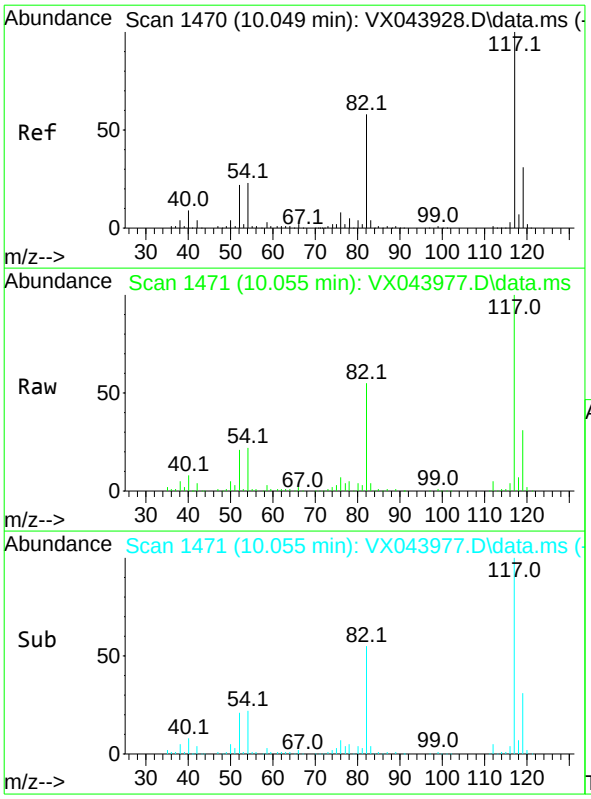


#62
4-Bromofluorobenzene
Concen: 50.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 95 Resp: 98993

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.4
176	71.7	0.0	146.0

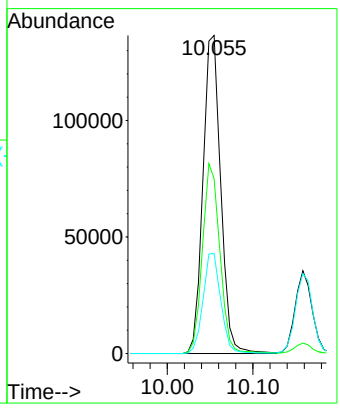




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 196596

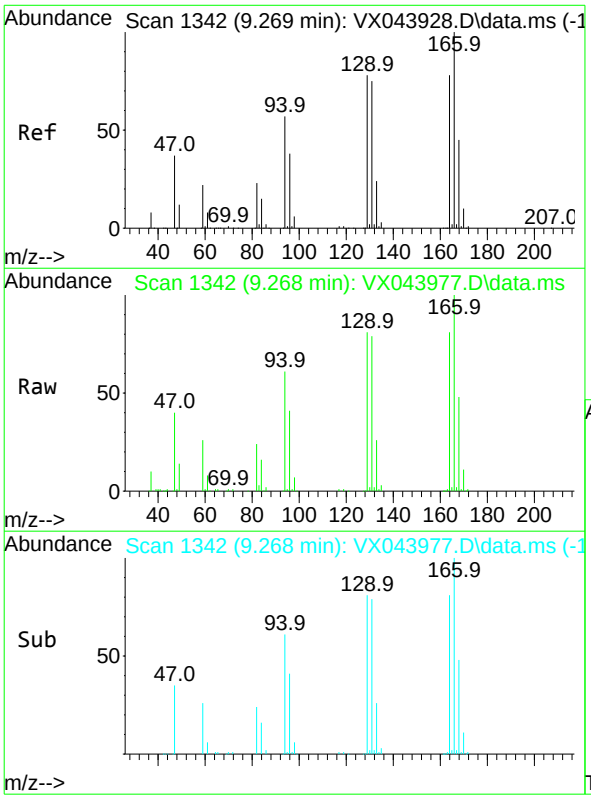
Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.4	69.6
119	31.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

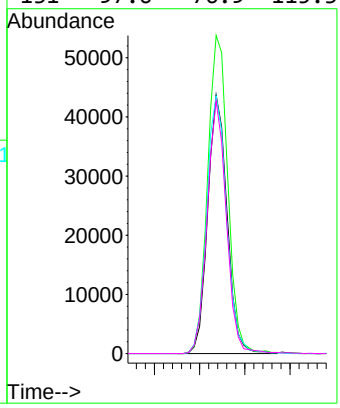
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

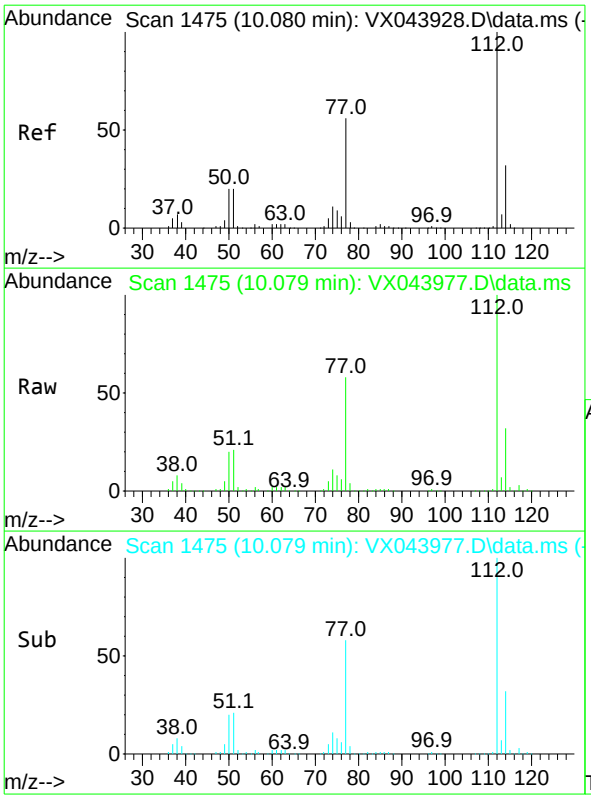


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:164 Resp: 64988

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.1	153.1
129	99.5	79.6	119.4
131	97.6	76.9	115.3

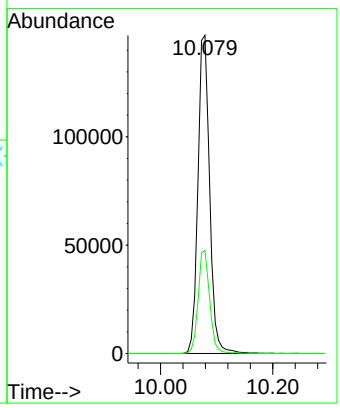




#65
Chlorobenzene
Concen: 49.197 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:112 Resp: 212422

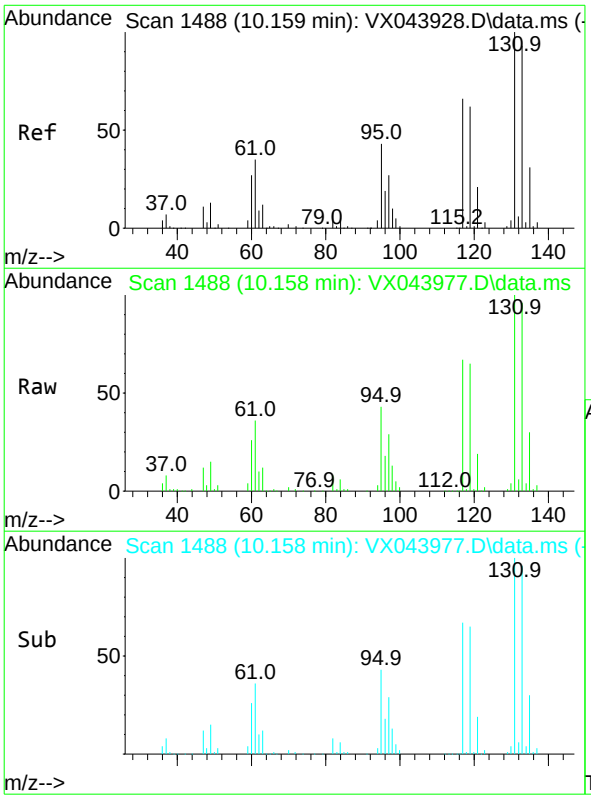
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

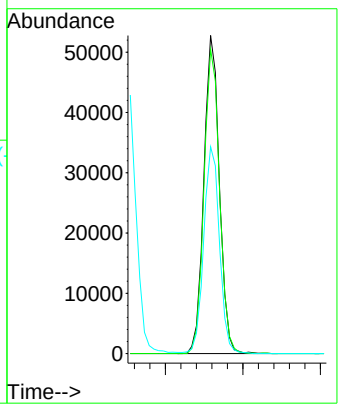
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

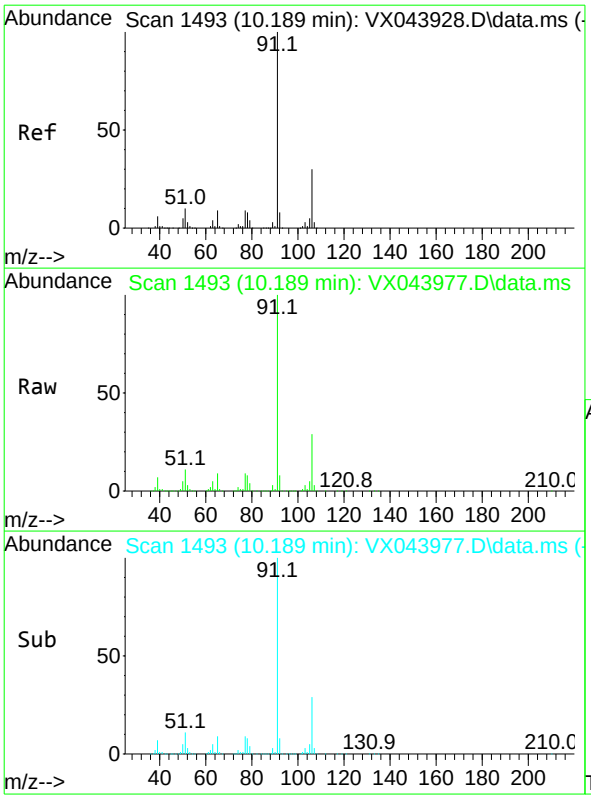


#66
1,1,1,2-Tetrachloroethane
Concen: 52.189 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:131 Resp: 73082

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.2	144.6
119	66.2	31.5	94.5

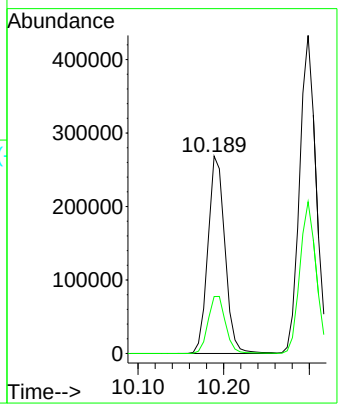




#67
Ethyl Benzene
Concen: 50.561 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 369929

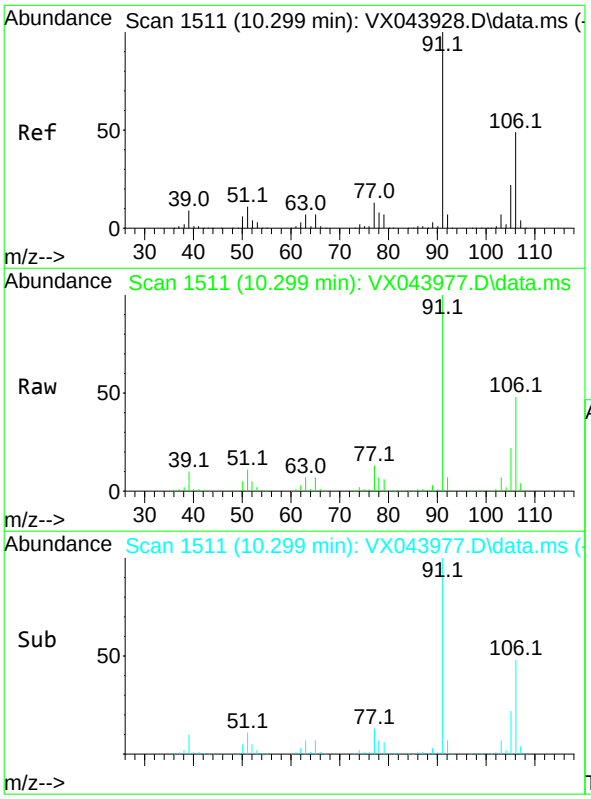
Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

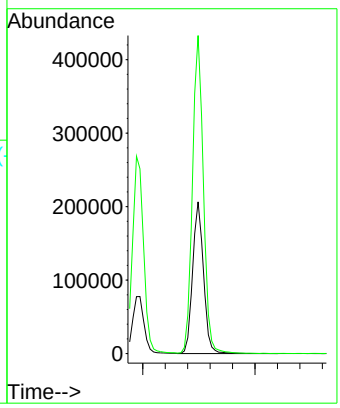
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

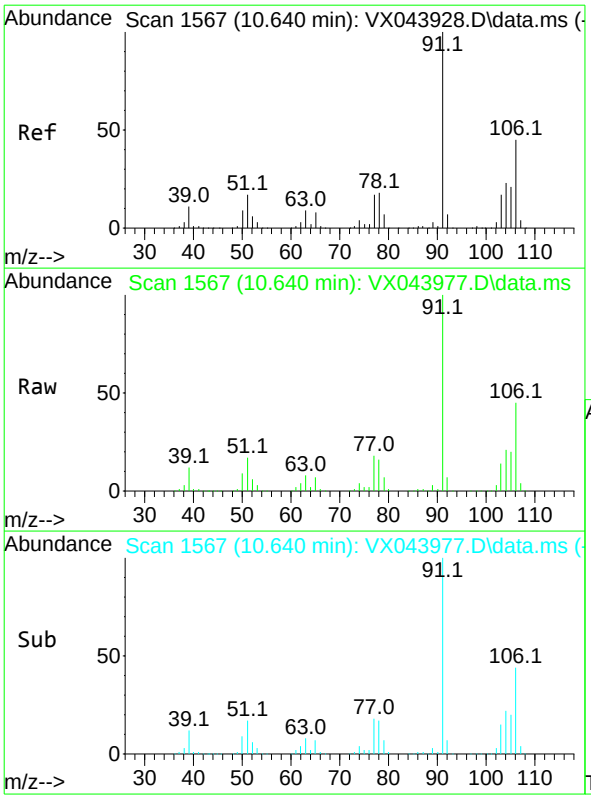


#68
m/p-Xylenes
Concen: 101.696 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:106 Resp: 277477

Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.1	252.1

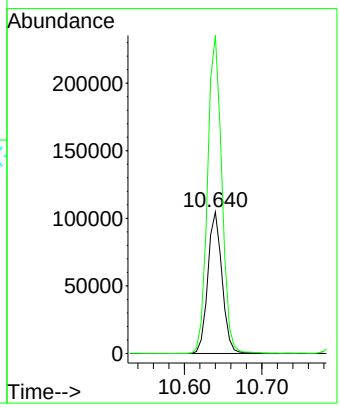




#69
o-Xylene
Concen: 50.067 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:106 Resp: 133377

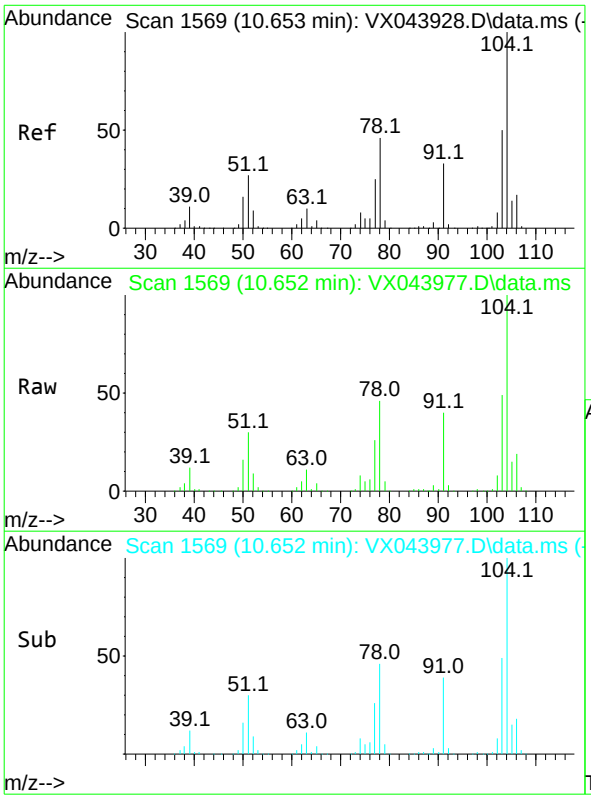
Ion	Ratio	Lower	Upper
106	100		
91	226.0	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

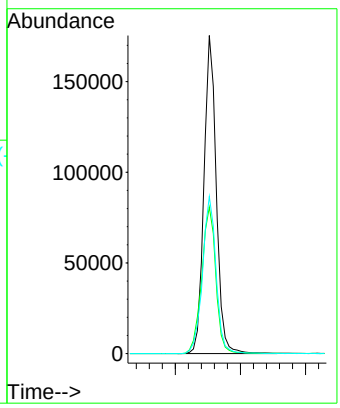
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

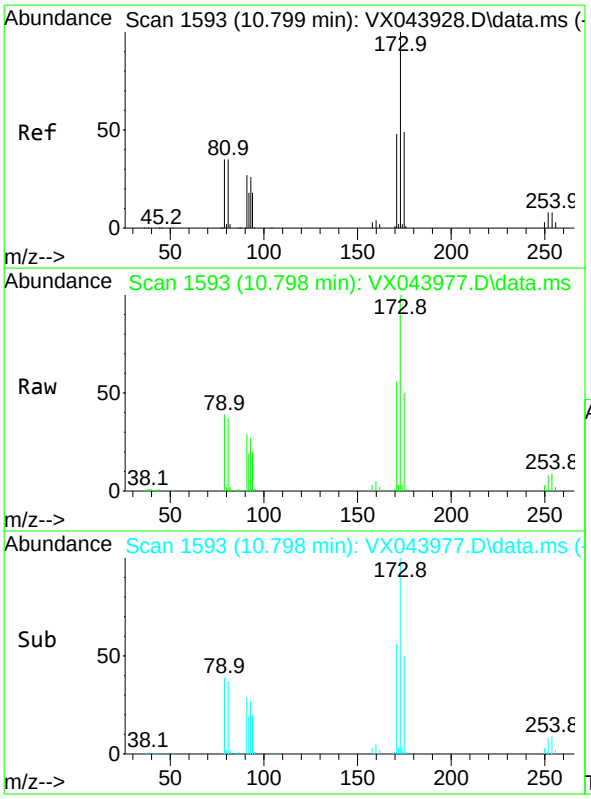


#70
Styrene
Concen: 52.353 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:104 Resp: 230674

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.2
103	54.3	44.7	67.1

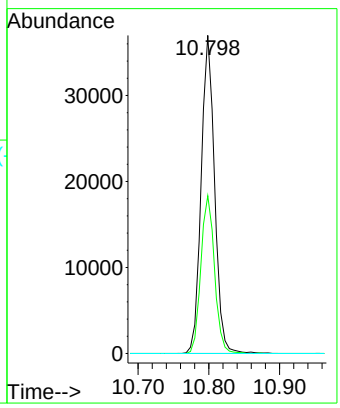




#71
Bromoform
Concen: 46.066 ug/l
RT: 10.798 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:173 Resp: 48701

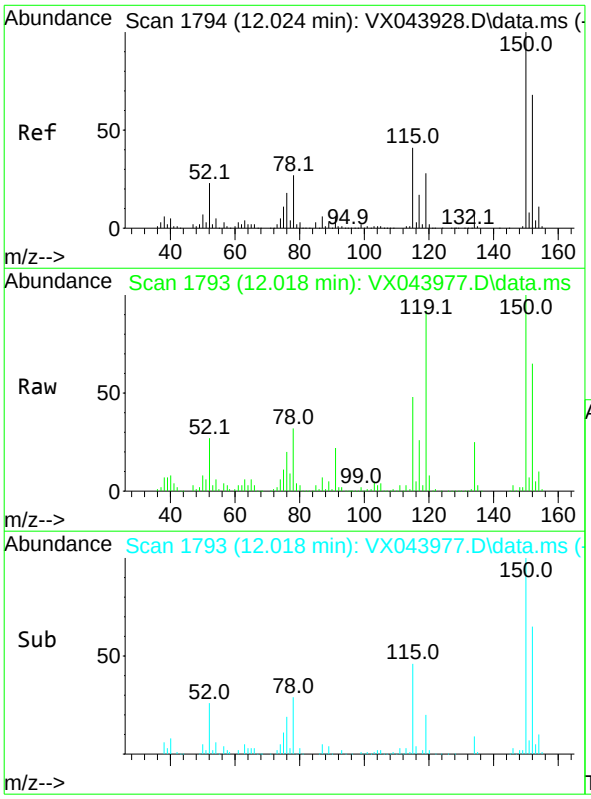
Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

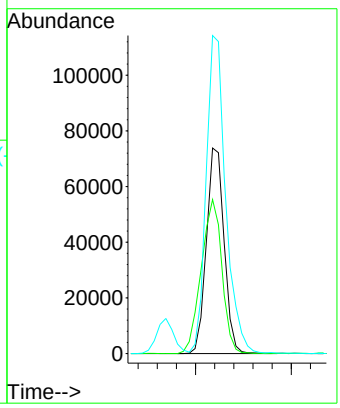
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

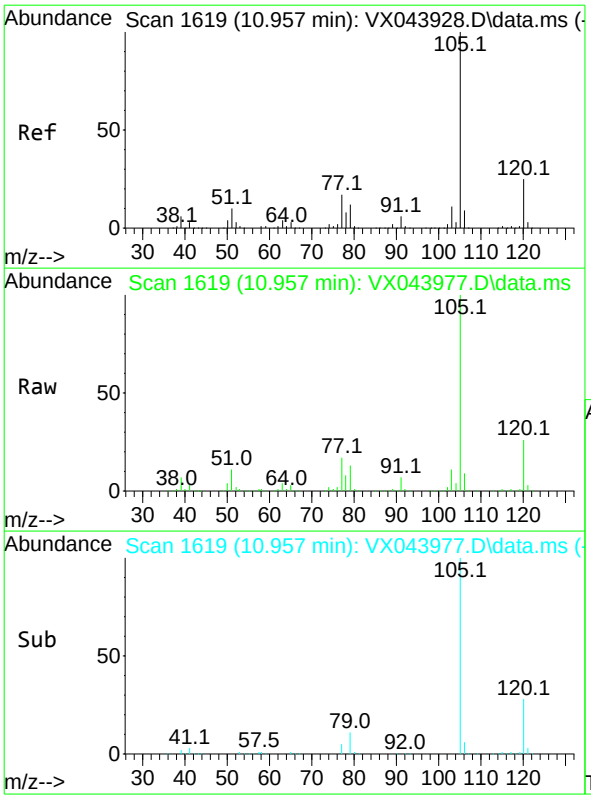


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:152 Resp: 94886

Ion	Ratio	Lower	Upper
152	100		
115	87.5	45.4	136.2
150	170.8	0.0	353.0

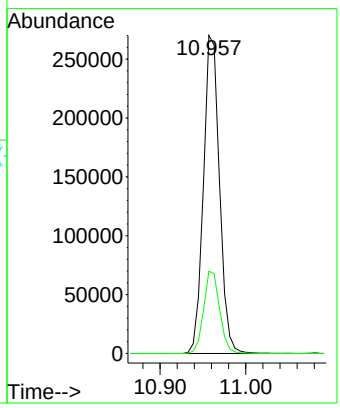




#73
Isopropylbenzene
Concen: 48.163 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 351294

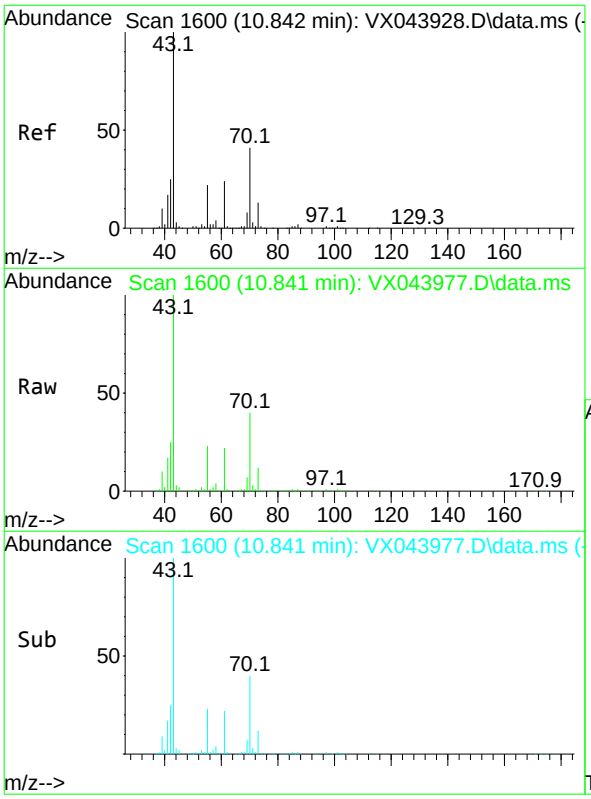
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

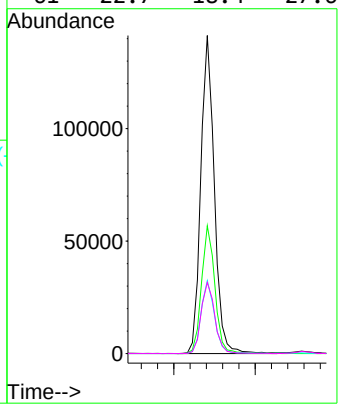
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

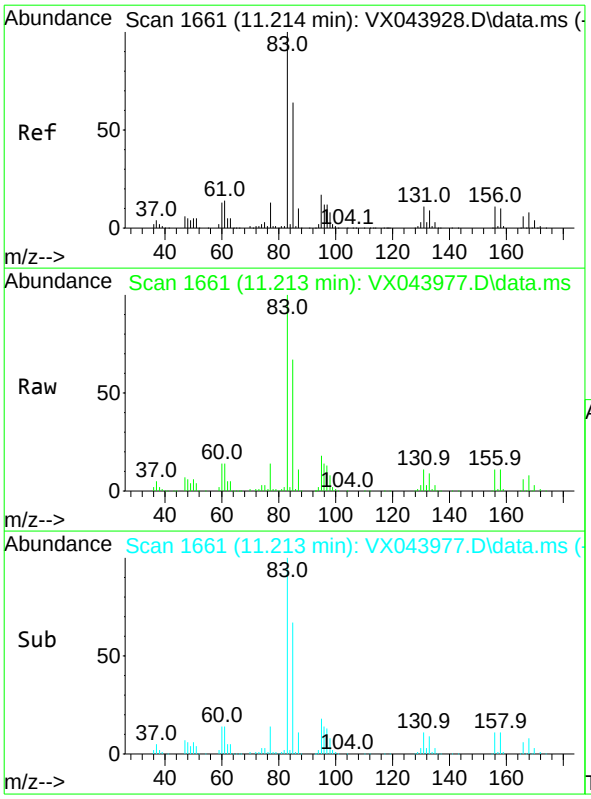


#74
N-amyl acetate
Concen: 48.361 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 163405

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.8	18.1	27.1
61	22.7	18.4	27.6

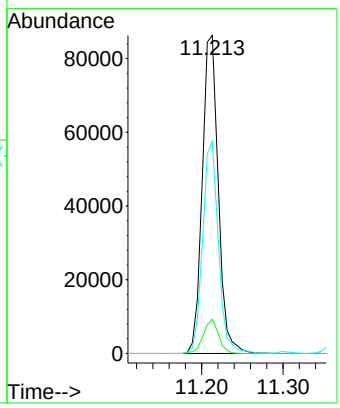




#75
1,1,2,2-Tetrachloroethane
Concen: 47.323 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 118187

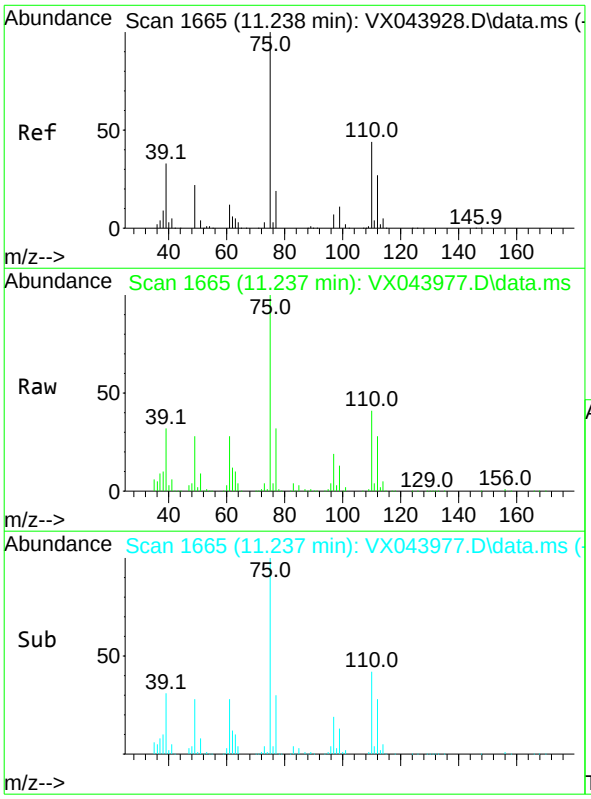
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.2
85	65.6	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

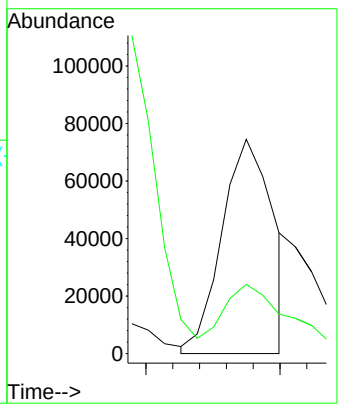
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

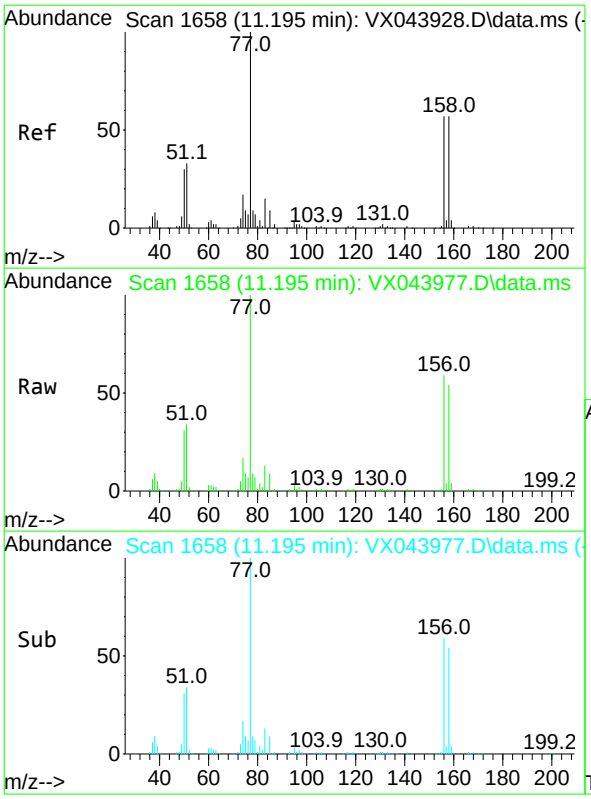


#76
1,2,3-Trichloropropane
Concen: 47.389 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 98609

Ion	Ratio	Lower	Upper
75	100		
77	42.5	21.8	65.3

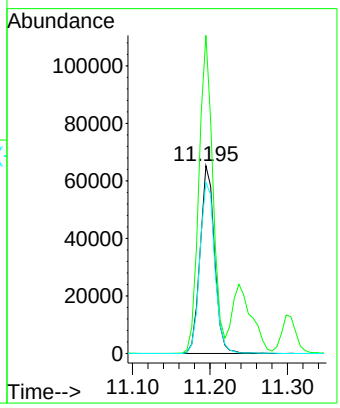




#77
Bromobenzene
Concen: 48.374 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:156 Resp: 84168

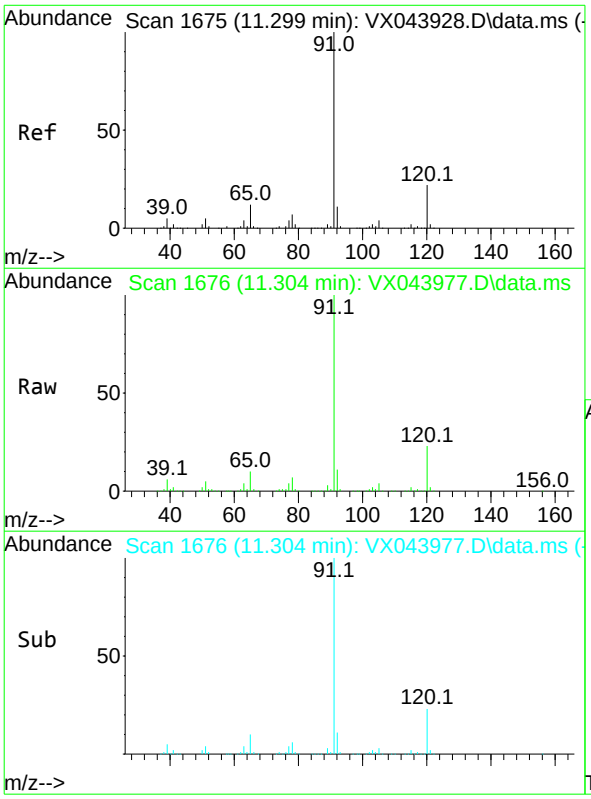
Ion	Ratio	Lower	Upper
156	100		
77	163.8	83.4	250.1
158	94.8	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

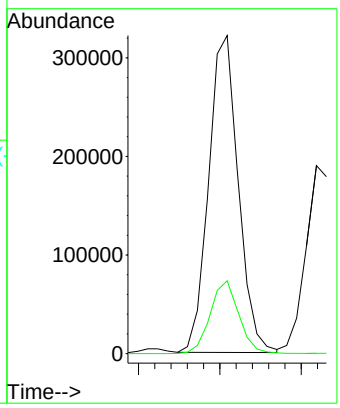
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

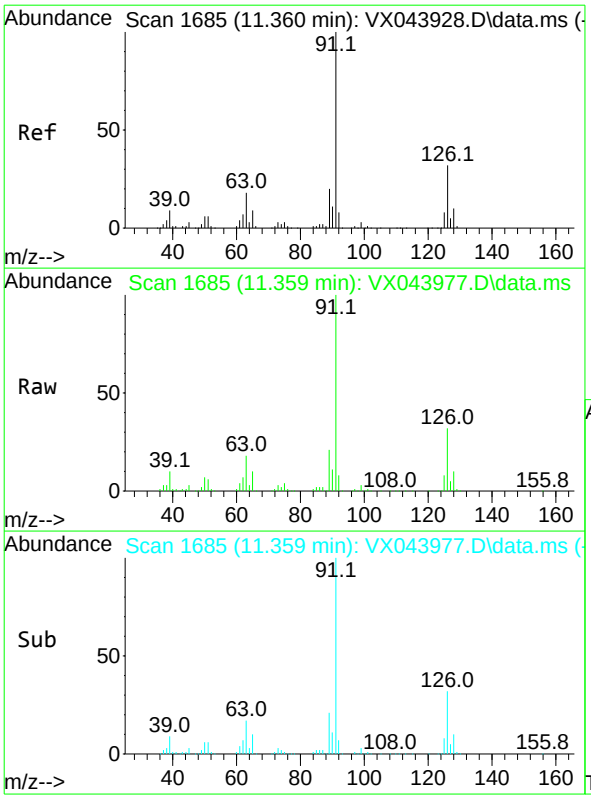


#78
n-propylbenzene
Concen: 49.892 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 406428

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4

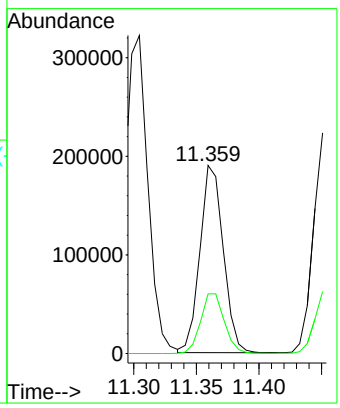




#79
2-Chlorotoluene
Concen: 47.802 ug/l
RT: 11.359 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 246237

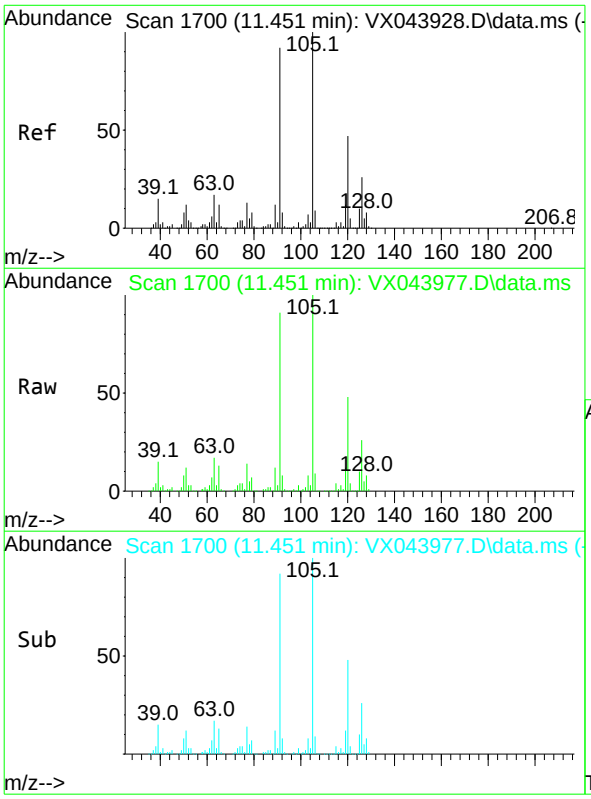
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

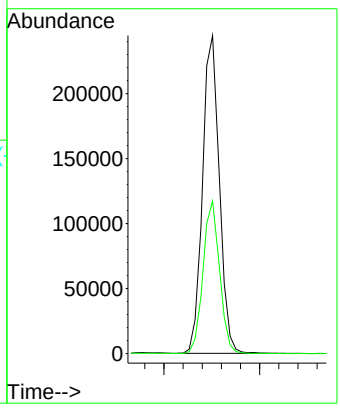
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

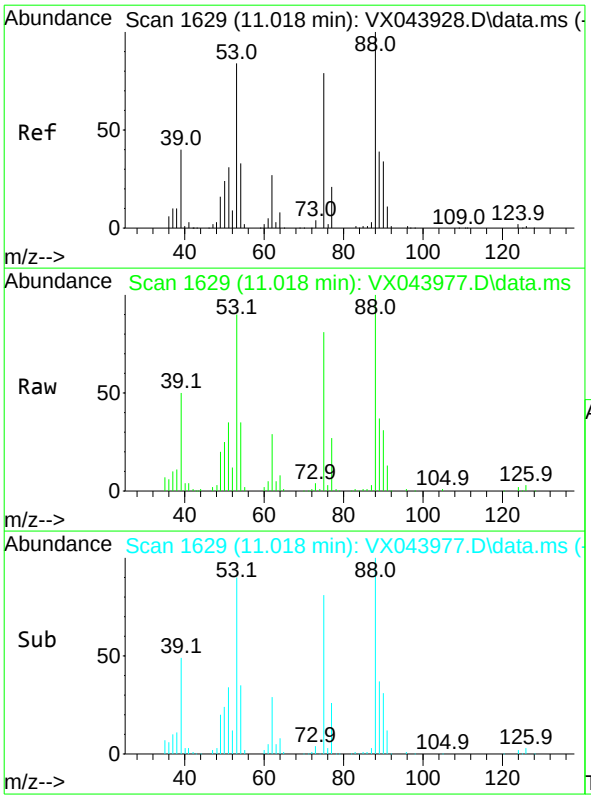


#80
1,3,5-Trimethylbenzene
Concen: 49.689 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298167

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8

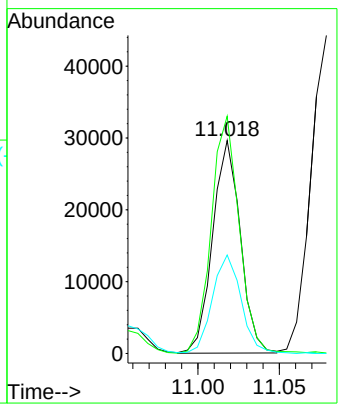




#81
trans-1,4-Dichloro-2-butene
Concen: 45.951 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 35040

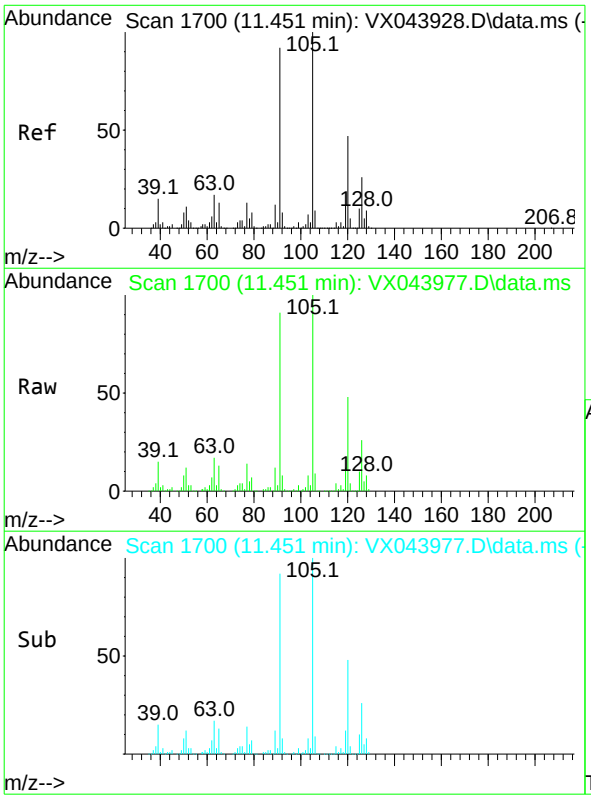
Ion	Ratio	Lower	Upper
75	100		
53	113.2	86.7	130.1
89	48.2	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

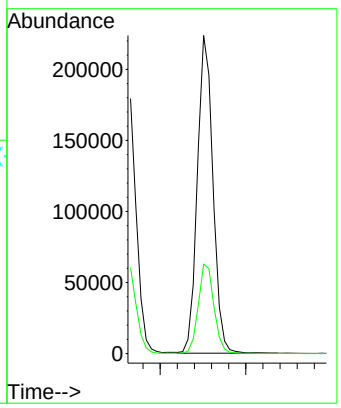
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

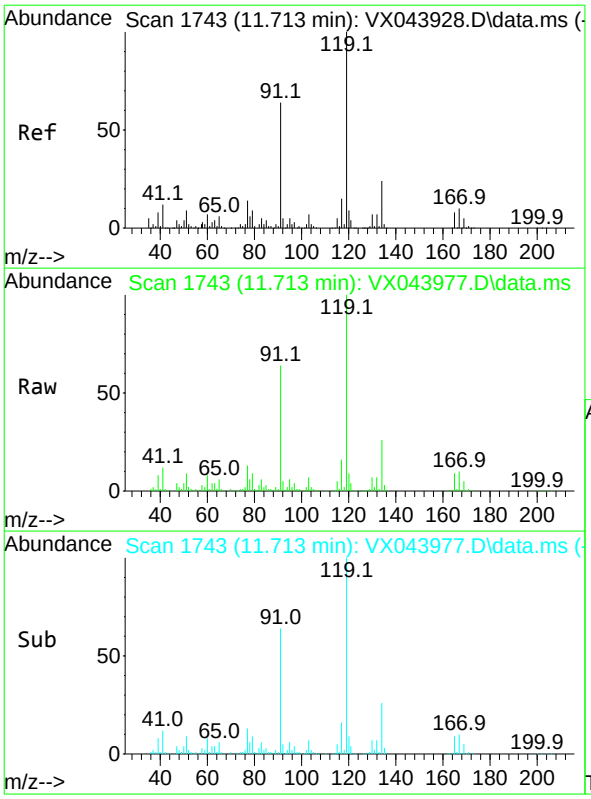


#82
4-Chlorotoluene
Concen: 48.585 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 282543

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.3	42.9

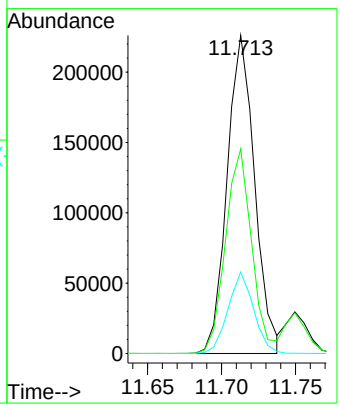




#83
tert-Butylbenzene
Concen: 49.242 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:119 Resp: 292877

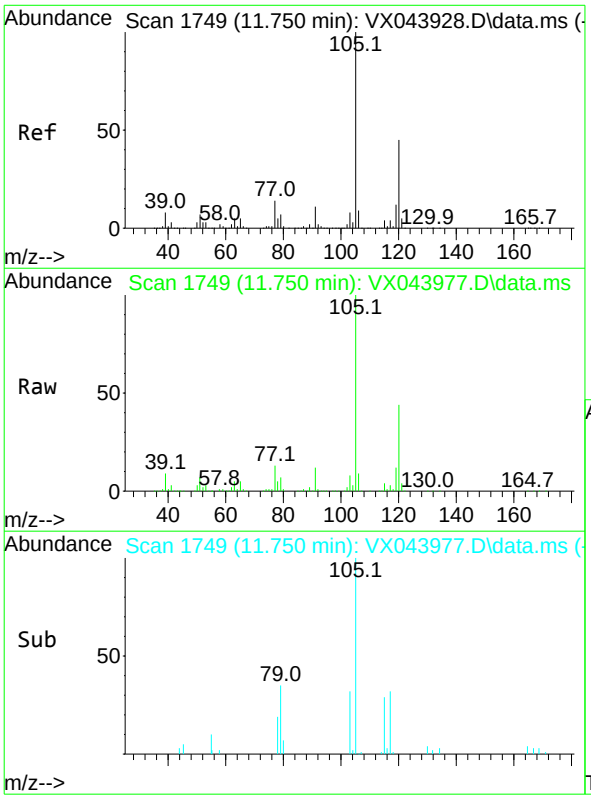
Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.0	93.0
134	23.8	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

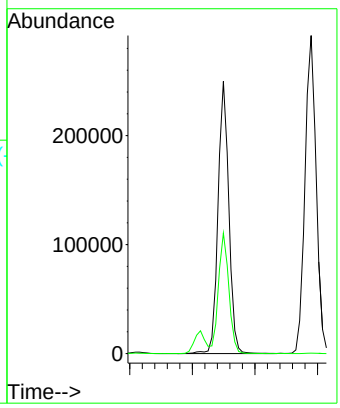
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

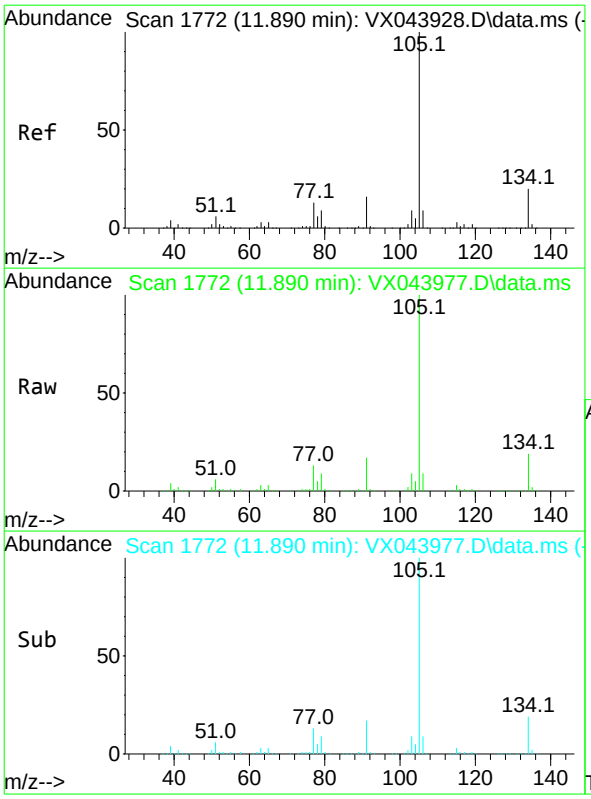


#84
1,2,4-Trimethylbenzene
Concen: 49.987 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298636

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7

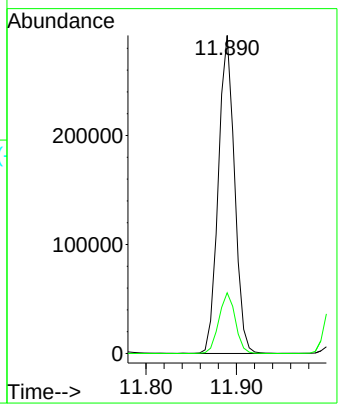




#85
sec-Butylbenzene
Concen: 49.775 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 362725

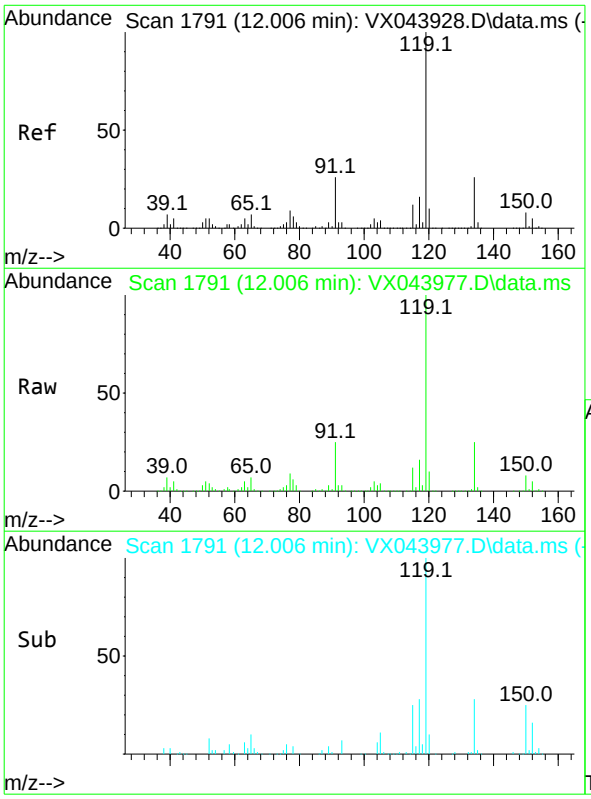
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

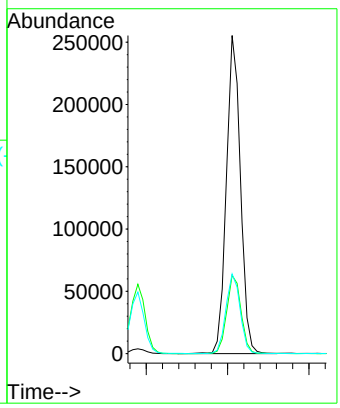
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

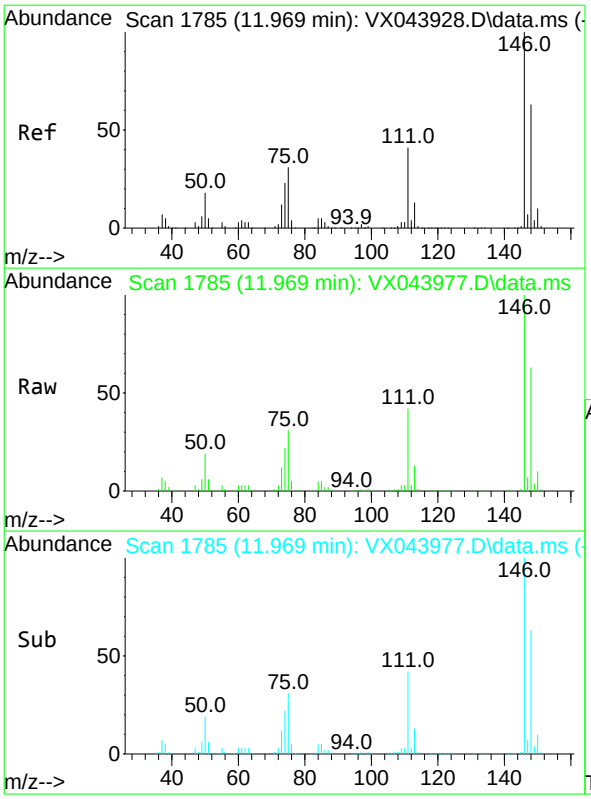


#86
p-Isopropyltoluene
Concen: 51.764 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:119 Resp: 306406

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	38.9
91	25.4	13.0	38.9

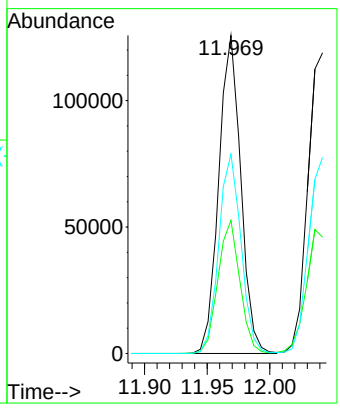




#87
1,3-Dichlorobenzene
Concen: 48.622 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:146 Resp: 154082

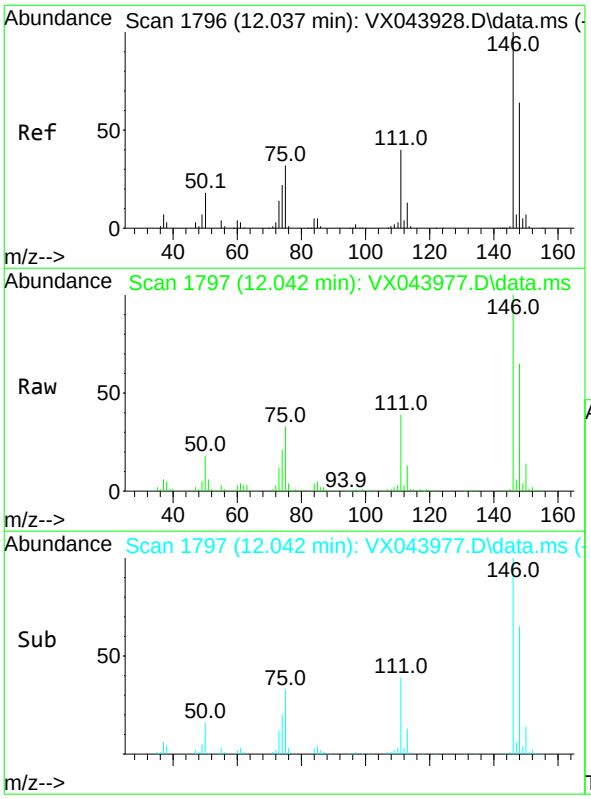
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

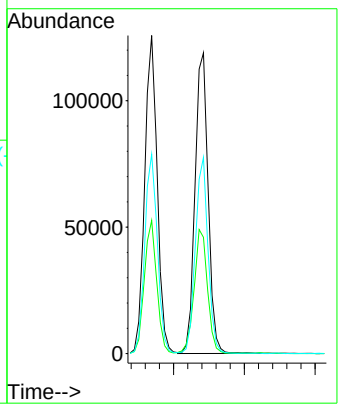
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

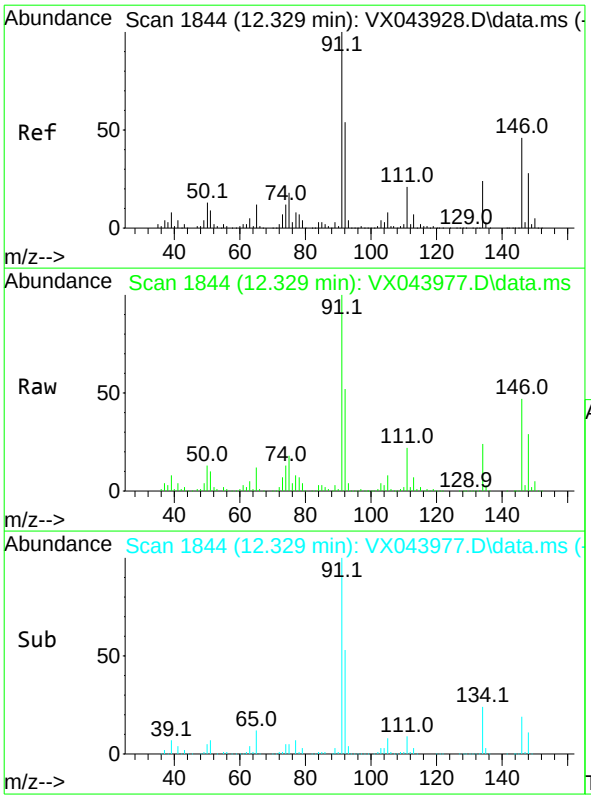


#88
1,4-Dichlorobenzene
Concen: 47.493 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:146 Resp: 153444

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.3
148	62.8	30.9	92.8

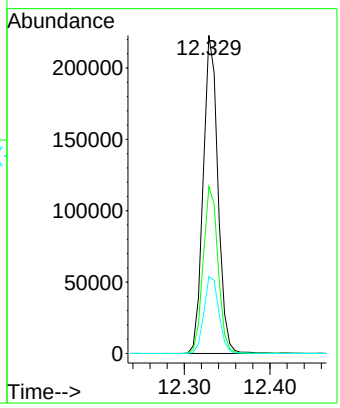




#89
n-Butylbenzene
Concen: 50.989 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 266108

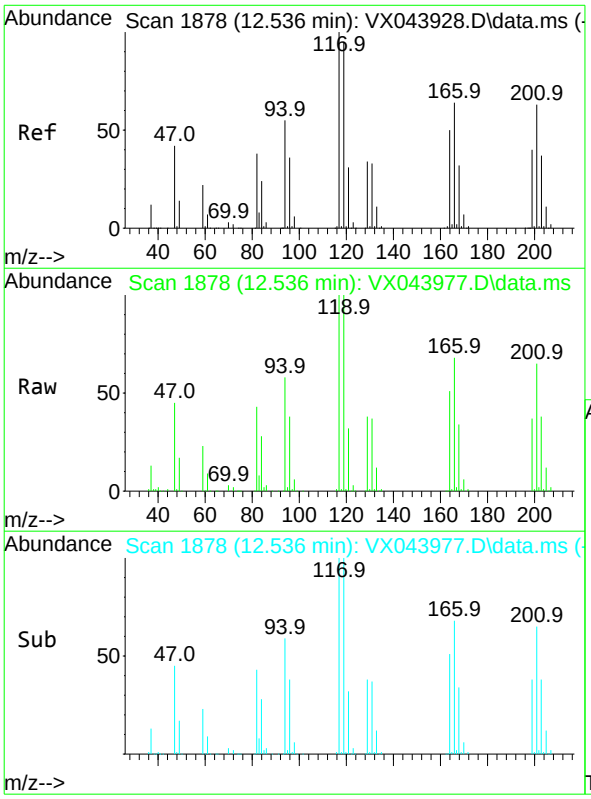
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.6	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

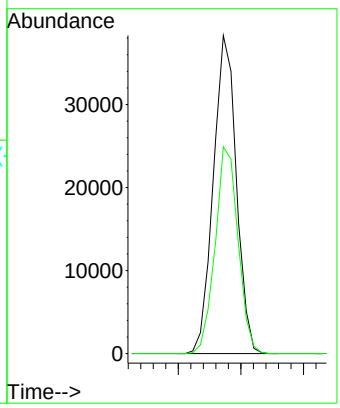
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

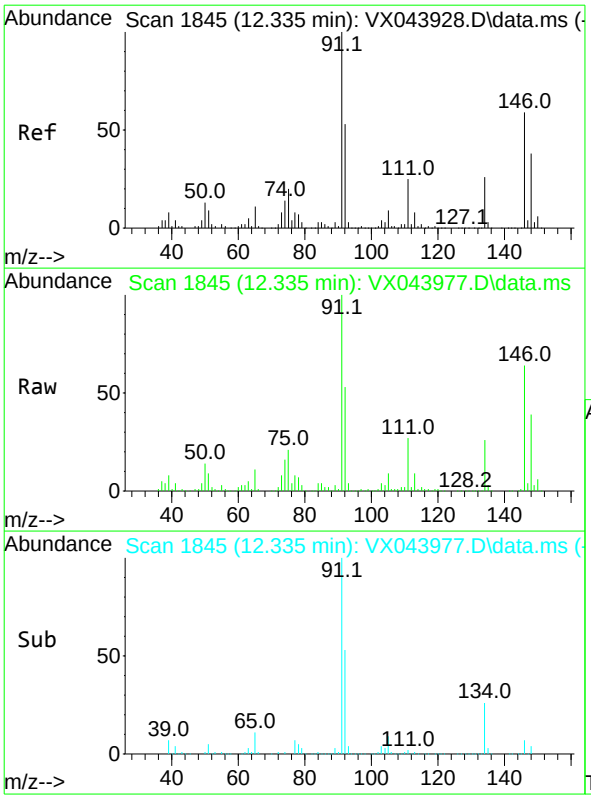


#90
Hexachloroethane
Concen: 48.643 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 48961

Ion	Ratio	Lower	Upper
117	100		
201	64.7	32.4	97.0

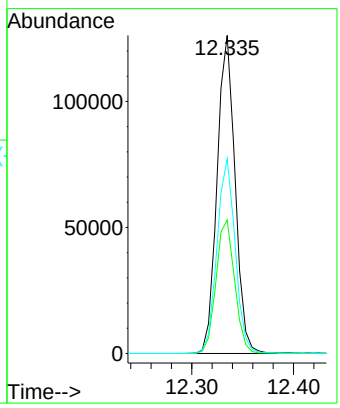




#91
1,2-Dichlorobenzene
Concen: 48.588 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:146 Resp: 155387

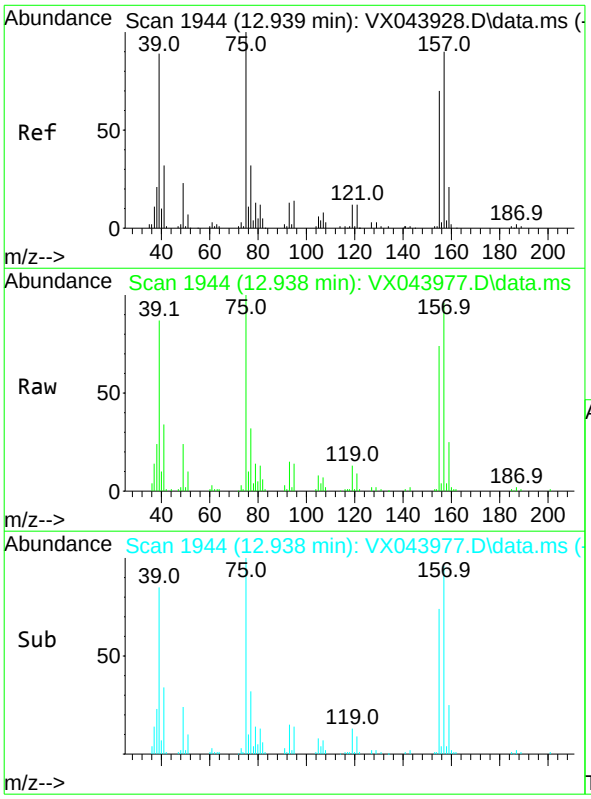
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	62.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

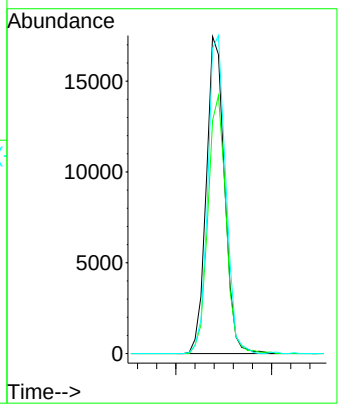
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

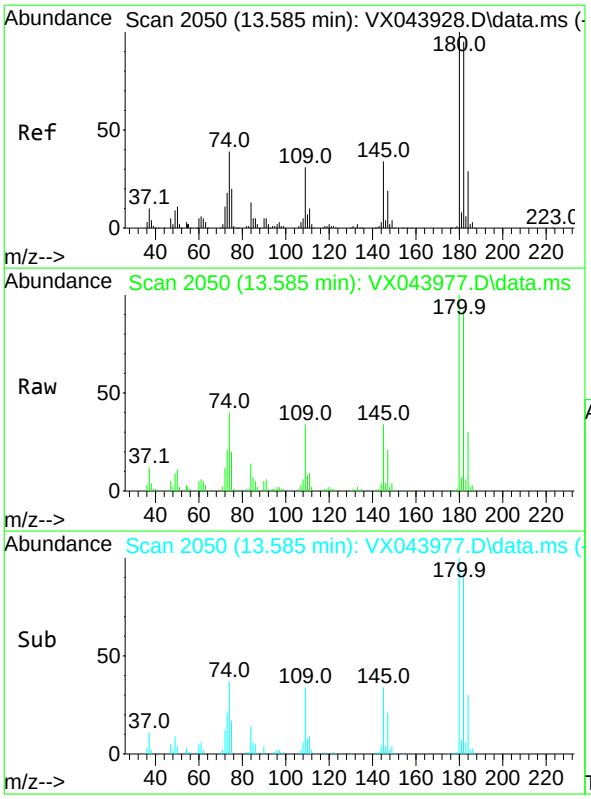


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.127 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 23083

Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.1	120.2
157	98.4	49.6	149.0

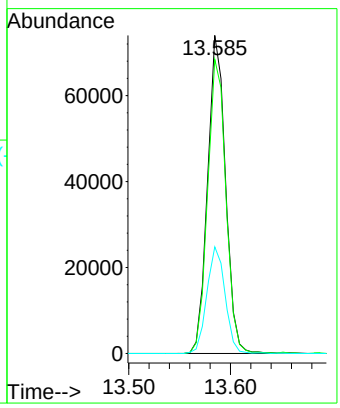




#93
1,2,4-Trichlorobenzene
Concen: 47.992 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:180 Resp: 90486

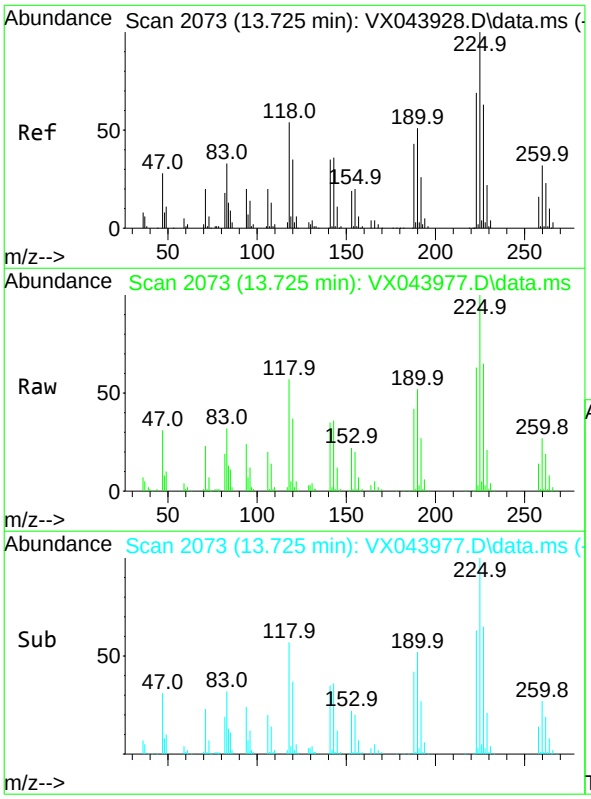
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	34.2	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

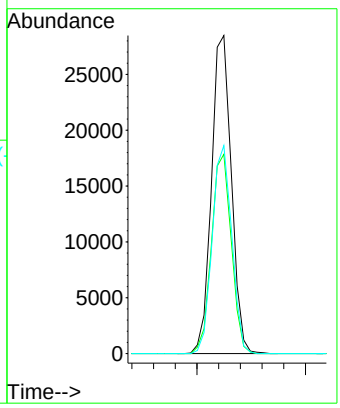
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

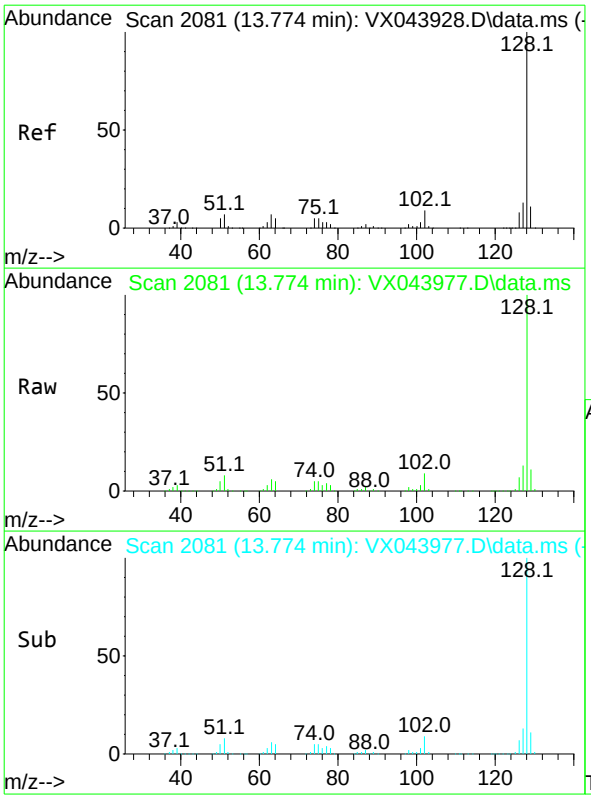


#94
Hexachlorobutadiene
Concen: 48.575 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:225 Resp: 36196

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.9	98.6
227	64.2	31.6	94.8

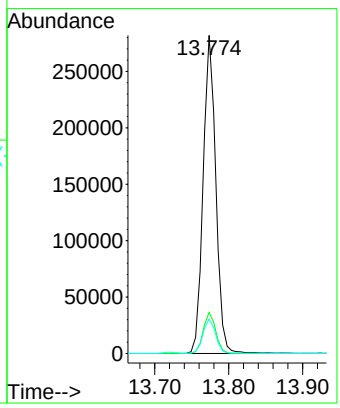




#95
Naphthalene
Concen: 49.325 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:128 Resp: 334769

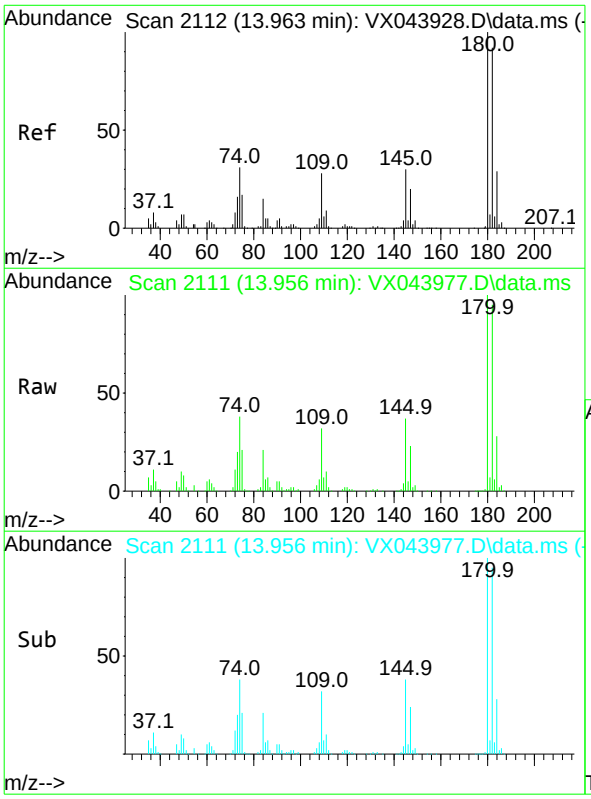
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

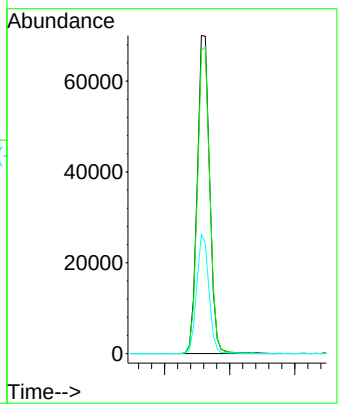
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.584 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:180 Resp: 92716

Ion	Ratio	Lower	Upper
180	100		
182	96.5	45.6	136.8
145	36.7	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	96	0.00
2	T	Dichlorodifluoromethane	0.633	0.589	7.0	82	0.00
3	P	Chloromethane	0.667	0.624	6.4	86	0.00
4	C	Vinyl Chloride	0.709	0.656	7.5#	82	0.00
5	T	Bromomethane	0.436	0.450	-3.2	97	0.00
6	T	Chloroethane	0.432	0.419	3.0	87	0.00
7	T	Trichlorofluoromethane	1.268	1.137	10.3	80	0.00
8	T	Diethyl Ether	0.462	0.437	5.4	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.576	4.8	84	0.00
10	T	Methyl Iodide	0.755	0.722	4.4	85	0.00
11	T	Tert butyl alcohol	0.138	0.121	12.3	80	0.00
12	CM	1,1-Dichloroethene	0.576	0.531	7.8#	85	0.00
13	T	Acrolein	0.145	0.130	10.3	86	0.00
14	T	Allyl chloride	0.941	0.886	5.8	81	0.00
15	T	Acrylonitrile	0.335	0.321	4.2	83	0.00
16	T	Acetone	0.394	0.361	8.4	81	0.00
17	T	Carbon Disulfide	1.188	1.050	11.6	78	0.00
18	T	Methyl Acetate	0.917	0.854	6.9	83	0.00
19	T	Methyl tert-butyl Ether	2.092	2.024	3.3	86	0.00
20	T	Methylene Chloride	0.668	0.625	6.4	90	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.560	5.9	85	0.00
22	T	Diisopropyl ether	2.013	1.981	1.6	88	0.00
23	T	Vinyl Acetate	1.722	1.711	0.6	84	0.00
24	P	1,1-Dichloroethane	1.161	1.131	2.6	86	0.00
25	T	2-Butanone	0.508	0.480	5.5	81	0.00
26	T	2,2-Dichloropropane	1.049	0.994	5.2	83	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.712	3.1	86	0.00
28	T	Bromochloromethane	0.511	0.489	4.3	104	0.00
29	T	Tetrahydrofuran	0.312	0.290	7.1	82	0.00
30	C	Chloroform	1.249	1.232	1.4#	90	0.00
31	T	Cyclohexane	0.956	0.884	7.5	81	0.00
32	T	1,1,1-Trichloroethane	1.077	1.056	1.9	85	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.840	2.1	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.357	0.360	-0.8	106	0.00
36	T	1,1-Dichloropropene	0.445	0.437	1.8	85	0.00
37	T	Ethyl Acetate	0.553	0.512	7.4	81	0.00
38	T	Carbon Tetrachloride	0.500	0.507	-1.4	88	0.00
39	T	Methylcyclohexane	0.578	0.553	4.3	81	0.00
40	TM	Benzene	1.387	1.357	2.2	87	0.00
41	T	Methacrylonitrile	0.283	0.272	3.9	80	0.00
42	TM	1,2-Dichloroethane	0.557	0.546	2.0	87	0.00
43	T	Isopropyl Acetate	0.880	0.849	3.5	84	0.00
44	TM	Trichloroethene	0.393	0.334	15.0	86	0.00
45	C	1,2-Dichloropropane	0.340	0.339	0.3#	88	0.00
46	T	Dibromomethane	0.269	0.271	-0.7	89	0.00
47	T	Bromodichloromethane	0.482	0.500	-3.7	89	0.00
48	T	Methyl methacrylate	0.422	0.407	3.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	77	0.00
50	S	Toluene-d8	1.232	1.227	0.4	107	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.513	4.5	81	0.00
52	CM	Toluene	0.830	0.830	0.0	87	0.00
53	T	t-1,3-Dichloropropene	0.491	0.507	-3.3	86	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.543	-0.7	85	0.00
55	T	1,1,2-Trichloroethane	0.343	0.336	2.0	87	0.00
56	T	Ethyl methacrylate	0.534	0.529	0.9	83	0.00
57	T	1,3-Dichloropropane	0.577	0.576	0.2	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.266	2.6	83	0.00
59	T	2-Hexanone	0.403	0.390	3.2	80	0.00
60	T	Dibromochloromethane	0.344	0.356	-3.5	87	0.00
61	T	1,2-Dibromoethane	0.346	0.344	0.6	86	0.00
62	S	4-Bromofluorobenzene	0.419	0.426	-1.7	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.330	0.331	-0.3	88	0.00
65	PM	Chlorobenzene	1.098	1.081	1.5	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.372	-4.5	87	0.00
67	C	Ethyl Benzene	1.861	1.882	-1.1#	86	0.00
68	T	m/p-Xylenes	0.694	0.706	-1.7	86	0.00
69	T	o-Xylene	0.678	0.678	0.0	83	0.00
70	T	Styrene	1.121	1.173	-4.6	86	0.00
71	P	Bromoform	0.240	0.248	-3.3	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.843	3.702	3.7	85	0.00
74	T	N-amyl acetate	1.780	1.722	3.3	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.246	5.3	85	0.00
76	T	1,2,3-Trichloropropane	1.096	1.039	5.2	83	0.00
77	T	Bromobenzene	0.917	0.887	3.3	86	0.00
78	T	n-propylbenzene	4.293	4.283	0.2	86	0.00
79	T	2-Chlorotoluene	2.714	2.595	4.4	86	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.142	0.6	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.369	8.2	79	0.00
82	T	4-Chlorotoluene	3.064	2.978	2.8	85	0.00
83	T	tert-Butylbenzene	3.134	3.087	1.5	85	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.147	0.0	87	0.00
85	T	sec-Butylbenzene	3.840	3.823	0.4	85	0.00
86	T	p-Isopropyltoluene	3.119	3.229	-3.5	87	0.00
87	T	1,3-Dichlorobenzene	1.670	1.624	2.8	87	0.00
88	T	1,4-Dichlorobenzene	1.702	1.617	5.0	86	0.00
89	T	n-Butylbenzene	2.750	2.805	-2.0	83	0.00
90	T	Hexachloroethane	0.530	0.516	2.6	83	0.00
91	T	1,2-Dichlorobenzene	1.685	1.638	2.8	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.243	8.0	81	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.954	4.0	83	0.00
94	T	Hexachlorobutadiene	0.393	0.381	3.1	88	0.00
95	T	Naphthalene	3.576	3.528	1.3	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.977	2.9	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	96	0.00
2	T	Dichlorodifluoromethane	50.000	46.466	7.1	82	0.00
3	P	Chloromethane	50.000	46.775	6.5	86	0.00
4	C	Vinyl Chloride	50.000	46.231	7.5#	82	0.00
5	T	Bromomethane	50.000	51.566	-3.1	97	0.00
6	T	Chloroethane	50.000	48.469	3.1	87	0.00
7	T	Trichlorofluoromethane	50.000	44.839	10.3	80	0.00
8	T	Diethyl Ether	50.000	47.280	5.4	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.646	4.7	84	0.00
10	T	Methyl Iodide	50.000	47.795	4.4	85	0.00
11	T	Tert butyl alcohol	250.000	220.360	11.9	80	0.00
12	CM	1,1-Dichloroethene	50.000	46.080	7.8#	85	0.00
13	T	Acrolein	250.000	224.411	10.2	86	0.00
14	T	Allyl chloride	50.000	47.063	5.9	81	0.00
15	T	Acrylonitrile	250.000	239.244	4.3	83	0.00
16	T	Acetone	250.000	228.890	8.4	81	0.00
17	T	Carbon Disulfide	50.000	44.155	11.7	78	0.00
18	T	Methyl Acetate	50.000	46.531	6.9	83	0.00
19	T	Methyl tert-butyl Ether	50.000	48.373	3.3	86	0.00
20	T	Methylene Chloride	50.000	46.719	6.6	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.034	5.9	85	0.00
22	T	Diisopropyl ether	50.000	49.207	1.6	88	0.00
23	T	Vinyl Acetate	250.000	248.374	0.7	84	0.00
24	P	1,1-Dichloroethane	50.000	48.697	2.6	86	0.00
25	T	2-Butanone	250.000	236.327	5.5	81	0.00
26	T	2,2-Dichloropropane	50.000	47.384	5.2	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.444	3.1	86	0.00
28	T	Bromochloromethane	50.000	47.856	4.3	104	0.00
29	T	Tetrahydrofuran	250.000	232.975	6.8	82	0.00
30	C	Chloroform	50.000	49.337	1.3#	90	0.00
31	T	Cyclohexane	50.000	46.218	7.6	81	0.00
32	T	1,1,1-Trichloroethane	50.000	49.023	2.0	85	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.000	2.0	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	50.333	-0.7	106	0.00
36	T	1,1-Dichloropropene	50.000	49.026	1.9	85	0.00
37	T	Ethyl Acetate	50.000	46.278	7.4	81	0.00
38	T	Carbon Tetrachloride	50.000	50.716	-1.4	88	0.00
39	T	Methylcyclohexane	50.000	47.843	4.3	81	0.00
40	TM	Benzene	50.000	48.936	2.1	87	0.00
41	T	Methacrylonitrile	50.000	48.098	3.8	80	0.00
42	TM	1,2-Dichloroethane	50.000	49.018	2.0	87	0.00
43	T	Isopropyl Acetate	50.000	48.245	3.5	84	0.00
44	TM	Trichloroethene	50.000	42.546	14.9	86	0.00
45	C	1,2-Dichloropropane	50.000	49.890	0.2#	88	0.00
46	T	Dibromomethane	50.000	50.387	-0.8	89	0.00
47	T	Bromodichloromethane	50.000	51.893	-3.8	89	0.00
48	T	Methyl methacrylate	50.000	48.244	3.5	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	869.321	13.1	77	0.00
50	S	Toluene-d8	50.000	49.805	0.4	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	238.823	4.5	81	0.00
52	CM	Toluene	50.000	50.022	-0.0#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	51.600	-3.2	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.373	-0.7	85	0.00
55	T	1,1,2-Trichloroethane	50.000	49.075	1.8	87	0.00
56	T	Ethyl methacrylate	50.000	49.531	0.9	83	0.00
57	T	1,3-Dichloropropane	50.000	49.872	0.3	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	226.771	9.3	83	0.00
59	T	2-Hexanone	250.000	241.619	3.4	80	0.00
60	T	Dibromochloromethane	50.000	51.814	-3.6	87	0.00
61	T	1,2-Dibromoethane	50.000	49.645	0.7	86	0.00
62	S	4-Bromofluorobenzene	50.000	50.783	-1.6	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	50.133	-0.3	88	0.00
65	PM	Chlorobenzene	50.000	49.197	1.6	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.189	-4.4	87	0.00
67	C	Ethyl Benzene	50.000	50.561	-1.1#	86	0.00
68	T	m/p-Xylenes	100.000	101.696	-1.7	86	0.00
69	T	o-Xylene	50.000	50.067	-0.1	83	0.00
70	T	Styrene	50.000	52.353	-4.7	86	0.00
71	P	Bromoform	50.000	46.066	7.9	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	48.163	3.7	85	0.00
74	T	N-amyl acetate	50.000	48.361	3.3	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.323	5.4	85	0.00
76	T	1,2,3-Trichloropropane	50.000	47.389	5.2	83	0.00
77	T	Bromobenzene	50.000	48.374	3.3	86	0.00
78	T	n-propylbenzene	50.000	49.892	0.2	86	0.00
79	T	2-Chlorotoluene	50.000	47.802	4.4	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.689	0.6	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.951	8.1	79	0.00
82	T	4-Chlorotoluene	50.000	48.585	2.8	85	0.00
83	T	tert-Butylbenzene	50.000	49.242	1.5	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.987	0.0	87	0.00
85	T	sec-Butylbenzene	50.000	49.775	0.5	85	0.00
86	T	p-Isopropyltoluene	50.000	51.764	-3.5	87	0.00
87	T	1,3-Dichlorobenzene	50.000	48.622	2.8	87	0.00
88	T	1,4-Dichlorobenzene	50.000	47.493	5.0	86	0.00
89	T	n-Butylbenzene	50.000	50.989	-2.0	83	0.00
90	T	Hexachloroethane	50.000	48.643	2.7	83	0.00
91	T	1,2-Dichlorobenzene	50.000	48.588	2.8	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.127	7.7	81	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.992	4.0	83	0.00
94	T	Hexachlorobutadiene	50.000	48.575	2.8	88	0.00
95	T	Naphthalene	50.000	49.325	1.3	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.584	2.8	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 21:12

Lab File ID: VX044002.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.558		-11.85	50
Chloromethane	0.667	0.617	0.1	-7.5	50
Vinyl Chloride	0.709	0.635		-10.44	50
Bromomethane	0.436	0.412		-5.51	50
Chloroethane	0.432	0.363		-15.97	50
Trichlorofluoromethane	1.268	1.302		2.68	50
1,1,2-Trichlorotrifluoroethane	0.605	0.538		-11.07	50
1,1-Dichloroethene	0.576	0.522		-9.38	50
Acetone	0.394	0.286		-27.41	50
Carbon Disulfide	1.188	0.966		-18.69	50
Methyl tert-butyl Ether	2.092	2.023		-3.3	50
Methyl Acetate	0.917	0.852		-7.09	50
Methylene Chloride	0.668	0.613		-8.23	50
trans-1,2-Dichloroethene	0.595	0.551		-7.39	50
1,1-Dichloroethane	1.161	1.123	0.1	-3.27	50
Cyclohexane	0.956	0.867		-9.31	50
2-Butanone	0.508	0.440		-13.39	50
Carbon Tetrachloride	0.500	0.466		-6.8	50
cis-1,2-Dichloroethene	0.735	0.689		-6.26	50
Bromochloromethane	0.511	0.474		-7.24	50
Chloroform	1.249	1.211		-3.04	50
1,1,1-Trichloroethane	1.077	1.072		-0.46	50
Methylcyclohexane	0.578	0.500		-13.49	50
Benzene	1.387	1.309		-5.62	50
1,2-Dichloroethane	0.557	0.526		-5.57	50
Trichloroethene	0.393	0.324		-17.56	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.472		-2.08	50
4-Methyl-2-Pentanone	0.537	0.500		-6.89	50
Toluene	0.830	0.798		-3.86	50
t-1,3-Dichloropropene	0.491	0.463		-5.7	50
cis-1,3-Dichloropropene	0.539	0.504		-6.49	50
1,1,2-Trichloroethane	0.343	0.319		-7	50
2-Hexanone	0.403	0.368		-8.69	50
Dibromochloromethane	0.344	0.328		-4.65	50
1,2-Dibromoethane	0.346	0.336		-2.89	50
Tetrachloroethene	0.330	0.314		-4.85	50
Chlorobenzene	1.098	1.020	0.3	-7.1	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 21:12

Lab File ID: VX044002.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.805		-3.01	50
m/p-Xylenes	0.694	0.668		-3.75	50
o-Xylene	0.678	0.671		-1.03	50
Styrene	1.121	1.108		-1.16	50
Bromoform	0.240	0.233	0.1	-2.92	50
Isopropylbenzene	3.843	3.677		-4.32	50
1,1,2,2-Tetrachloroethane	1.316	1.241	0.3	-5.7	50
1,3-Dichlorobenzene	1.670	1.564		-6.35	50
1,4-Dichlorobenzene	1.702	1.565		-8.05	50
1,2-Dichlorobenzene	1.685	1.601		-4.99	50
1,2-Dibromo-3-Chloropropane	0.264	0.245		-7.2	50
1,2,4-Trichlorobenzene	0.994	0.902		-9.26	50
1,2,3-Trichlorobenzene	1.006	0.974		-3.18	50
1,2-Dichloroethane-d4	0.858	0.851		-0.82	50
Dibromofluoromethane	0.357	0.350		-1.96	50
Toluene-d8	1.232	1.189		-3.49	50
4-Bromofluorobenzene	0.419	0.404		-3.58	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\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108399	49.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.200%			
35) Dibromofluoromethane	5.379	113	80883	49.008	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.020%			
50) Toluene-d8	8.647	98	274647	48.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.560%			
62) 4-Bromofluorobenzene	11.079	95	93312	48.195	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	71081	44.038	ug/l	99
3) Chloromethane	1.294	50	78664	46.313	ug/l	99
4) Vinyl Chloride	1.374	62	80918	44.790	ug/l	100
5) Bromomethane	1.593	94	52450	47.193	ug/l	99
6) Chloroethane	1.660	64	46244	42.008	ug/l	98
7) Trichlorofluoromethane	1.867	101	165837	51.343	ug/l	99
8) Diethyl Ether	2.136	74	55362	47.026	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68534	44.482	ug/l	98
10) Methyl Iodide	2.441	142	91928	47.774	ug/l	98
11) Tert butyl alcohol	3.008	59	75117	214.153	ug/l	100
12) 1,1-Dichloroethene	2.306	96	66473	45.277	ug/l	97
13) Acrolein	2.239	56	81340	220.005	ug/l	100
14) Allyl chloride	2.654	41	111152	46.334	ug/l	96
15) Acrylonitrile	3.068	53	194832	227.931	ug/l	99
16) Acetone	2.386	43	182019	181.348	ug/l	98
17) Carbon Disulfide	2.502	76	123054	40.633	ug/l	98
18) Methyl Acetate	2.703	43	108592	46.459	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	257713	48.344	ug/l	100
20) Methylene Chloride	2.782	84	78049	45.823	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	70242	46.341	ug/l	98
22) Diisopropyl ether	3.763	45	248793	48.501	ug/l	97
23) Vinyl Acetate	3.721	43	1067324	243.229	ug/l	100
24) 1,1-Dichloroethane	3.605	63	143036	48.335	ug/l	99
25) 2-Butanone	4.562	43	280296	216.431	ug/l	99
26) 2,2-Dichloropropane	4.471	77	113002	42.282	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	87798	46.860	ug/l	98
28) Bromochloromethane	4.891	49	60444	46.403	ug/l	94
29) Tetrahydrofuran	5.007	42	178100	224.316	ug/l	99
30) Chloroform	5.093	83	154278	48.472	ug/l	97
31) Cyclohexane	5.458	56	110406	45.330	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	136540	49.746	ug/l	99
36) 1,1-Dichloropropene	5.684	75	97191	47.258	ug/l	98
37) Ethyl Acetate	4.721	43	112998	44.263	ug/l	98
38) Carbon Tetrachloride	5.666	117	107711	46.611	ug/l	99
39) Methylcyclohexane	7.373	83	115415	43.198	ug/l	97
40) Benzene	6.031	78	302293	47.188	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	59772	45.746 ug/l	94
42) 1,2-Dichloroethane	6.080	62	121500	47.224 ug/l	100
43) Isopropyl Acetate	6.342	43	187057	46.041 ug/l	99
44) Trichloroethene	7.117	130	74936	41.321 ug/l	91
45) 1,2-Dichloropropane	7.427	63	75945	48.403 ug/l	100
46) Dibromomethane	7.580	93	60872	49.045 ug/l	99
47) Bromodichloromethane	7.818	83	108968	48.953 ug/l	99
48) Methyl methacrylate	7.690	41	89938	46.134 ug/l	99
49) 1,4-Dioxane	7.671	88	26983	777.017 ug/l	87
51) 4-Methyl-2-Pentanone	8.574	43	577015	232.731 ug/l	100
52) Toluene	8.714	92	184390	48.090 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	106834	47.064 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	116499	46.816 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	73702	46.565 ug/l	97
56) Ethyl methacrylate	9.116	69	119993	48.673 ug/l	99
57) 1,3-Dichloropropane	9.305	76	126279	47.362 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	307827	227.585 ug/l	99
59) 2-Hexanone	9.433	43	425456	228.307 ug/l	100
60) Dibromochloromethane	9.519	129	75667	47.648 ug/l	98
61) 1,2-Dibromoethane	9.610	107	77546	48.453 ug/l	100
64) Tetrachloroethene	9.269	164	61147	47.689 ug/l	96
65) Chlorobenzene	10.079	112	198294	46.431 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68431	49.406 ug/l	98
67) Ethyl Benzene	10.189	91	350901	48.488 ug/l	99
68) m/p-Xylenes	10.299	106	259765	96.253 ug/l	99
69) o-Xylene	10.640	106	130506	49.529 ug/l	98
70) Styrene	10.652	104	215539	49.457 ug/l	99
71) Bromoform	10.799	173	45268	43.484 ug/l #	98
73) Isopropylbenzene	10.963	105	338668	47.838 ug/l	100
74) N-amyl acetate	10.841	43	162298	49.487 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	114325	47.162 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92588m	45.843 ug/l	
77) Bromobenzene	11.195	156	79395	47.012 ug/l	98
78) n-propylbenzene	11.305	91	375124	47.443 ug/l	99
79) 2-Chlorotoluene	11.360	91	230455	46.093 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	282567	48.515 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31367	42.379 ug/l	95
82) 4-Chlorotoluene	11.451	91	266480	47.210 ug/l	100
83) tert-Butylbenzene	11.713	119	279783	48.465 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	281922	48.618 ug/l	100
85) sec-Butylbenzene	11.890	105	336886	47.629 ug/l	99
86) p-Isopropyltoluene	12.006	119	282100	49.100 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	144052	46.833 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	144135	45.963 ug/l	98
89) n-Butylbenzene	12.329	91	241187	47.613 ug/l	100
90) Hexachloroethane	12.536	117	44297	45.341 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	147432	47.496 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22554	46.434 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	83033	45.372 ug/l	97
94) Hexachlorobutadiene	13.719	225	34135	47.196 ug/l	95
95) Naphthalene	13.774	128	317925	48.261 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	89710	48.432 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

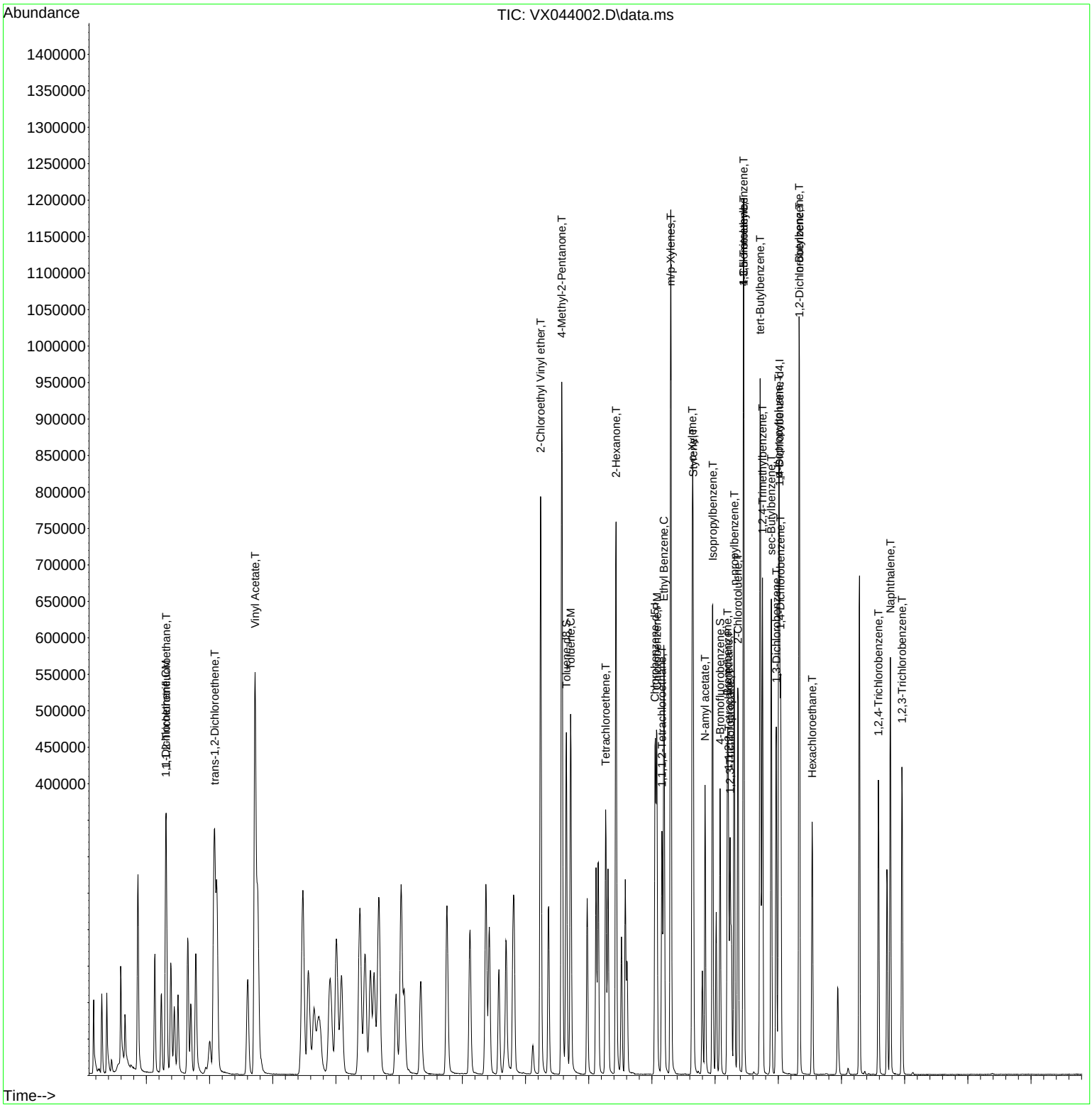
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

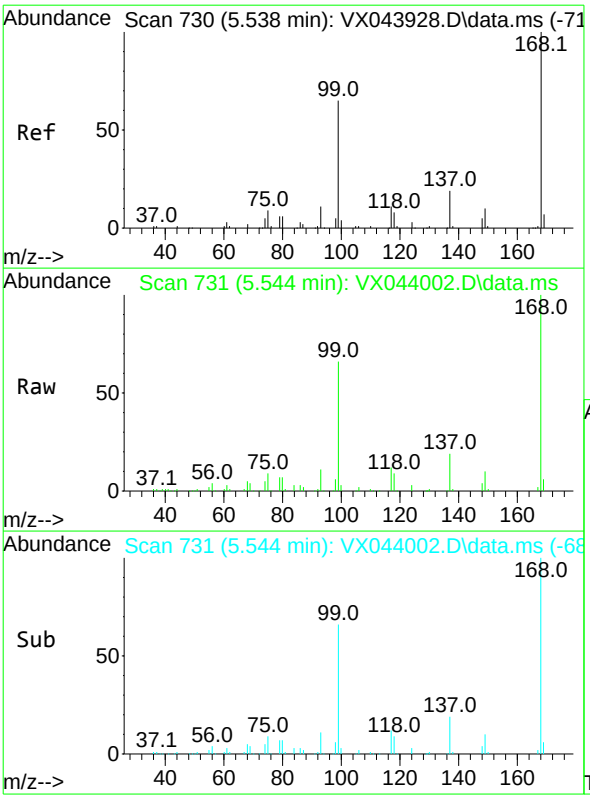
Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

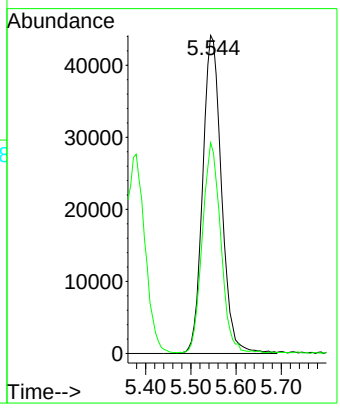




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:168 Resp: 127411

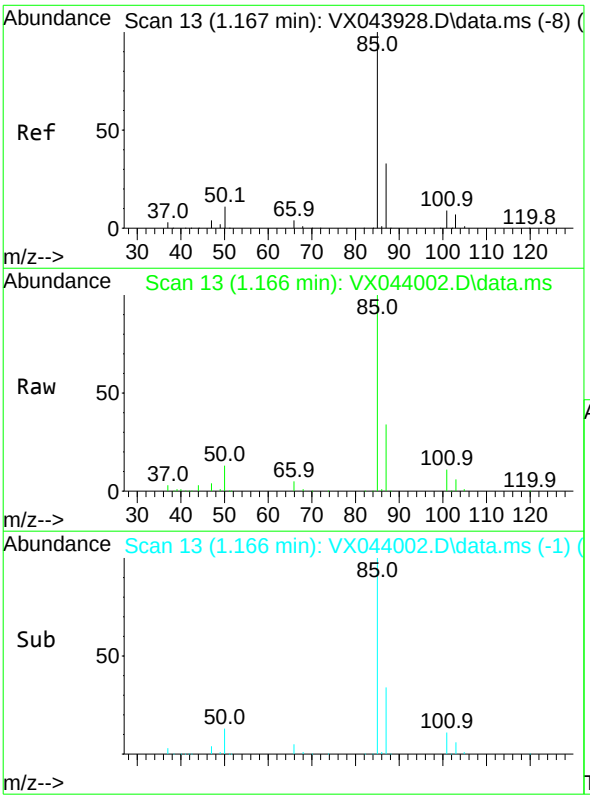
Ion	Ratio	Lower	Upper
168	100		
99	66.0	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

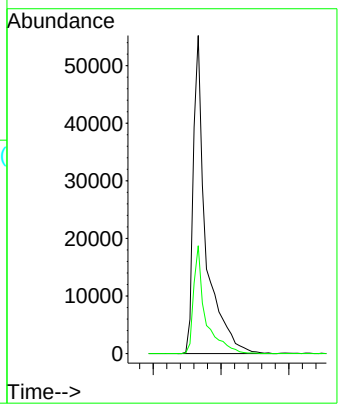
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

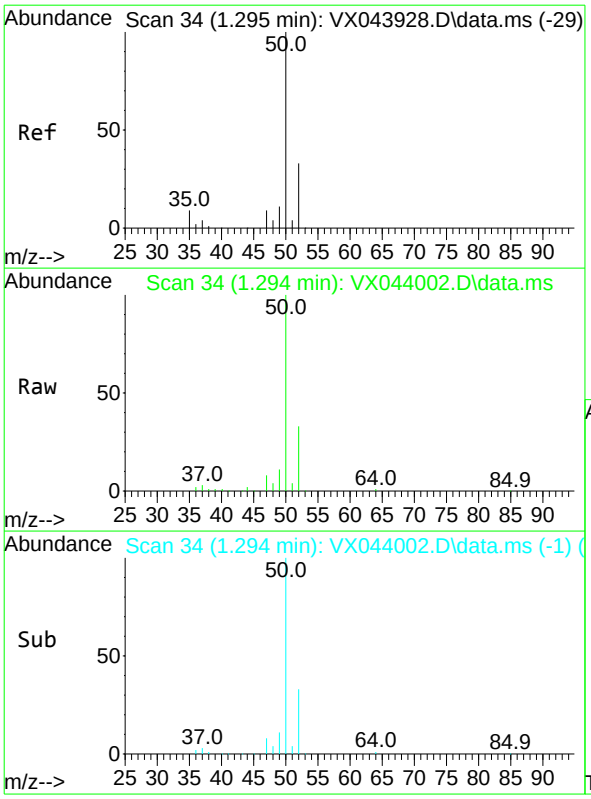


#2
Dichlorodifluoromethane
Concen: 44.038 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 85 Resp: 71081

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.8

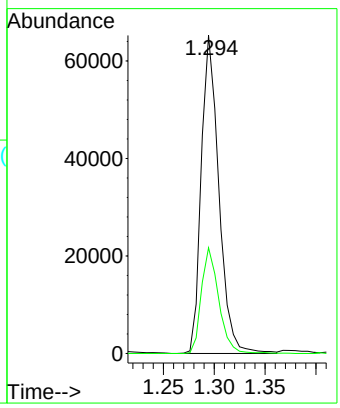




#3
Chloromethane
Concen: 46.313 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 50 Resp: 78664

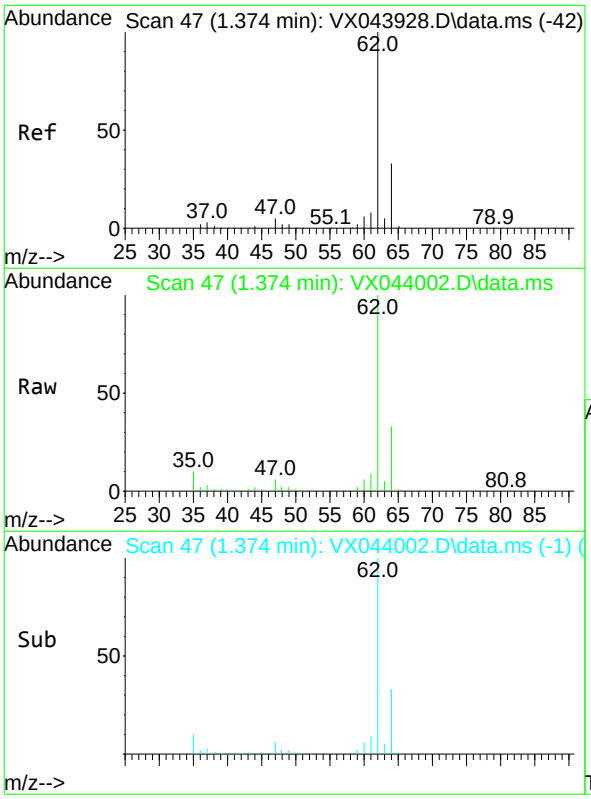
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

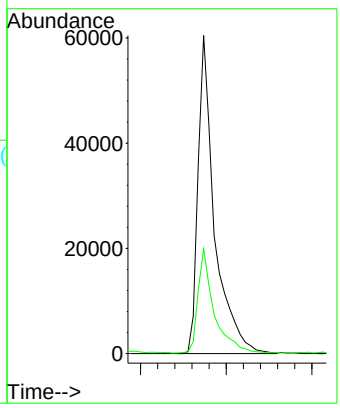
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

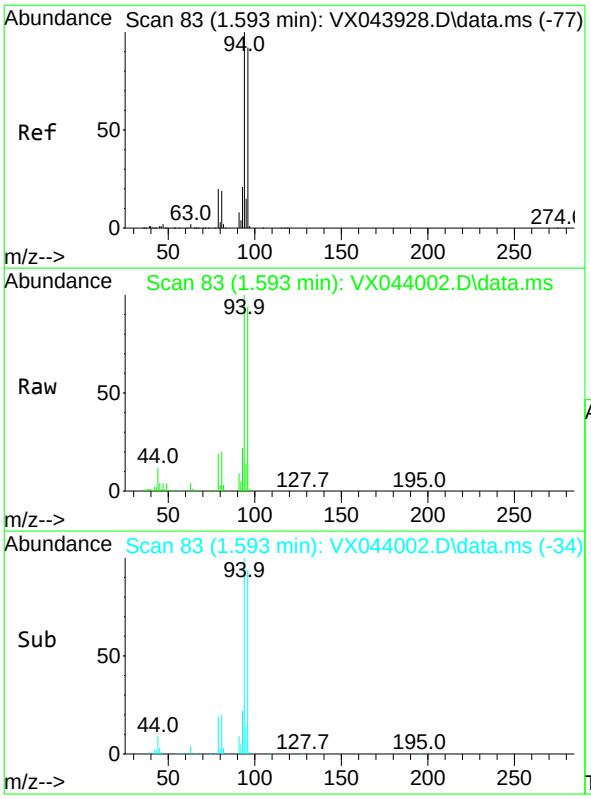


#4
Vinyl Chloride
Concen: 44.790 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 80918

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4

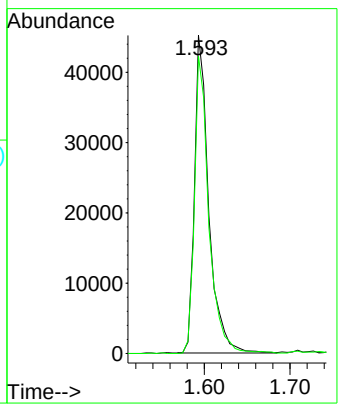




#5
Bromomethane
Concen: 47.193 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 94 Resp: 52450

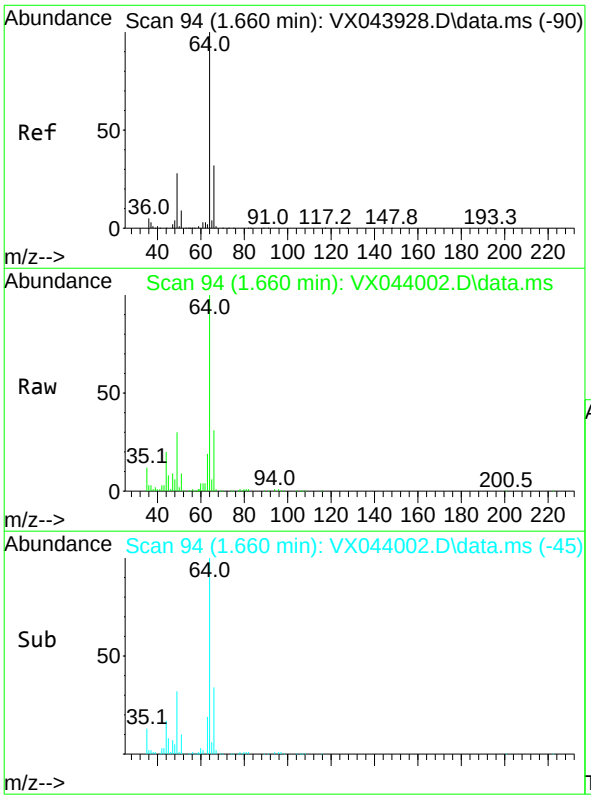
Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

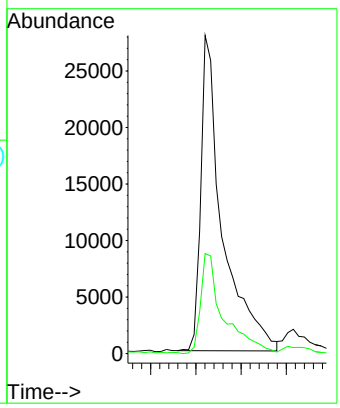
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

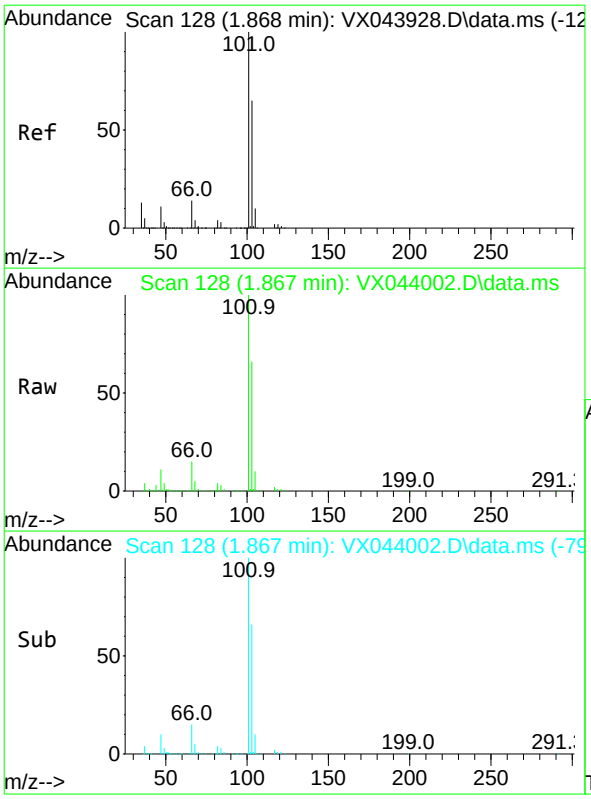


#6
Chloroethane
Concen: 42.008 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 64 Resp: 46244

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.9	38.9





#7
Trichlorofluoromethane
Concen: 51.343 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

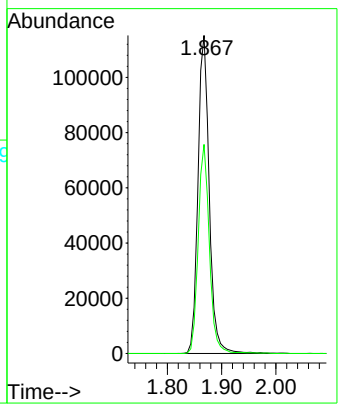
Tgt Ion:101 Resp: 165837

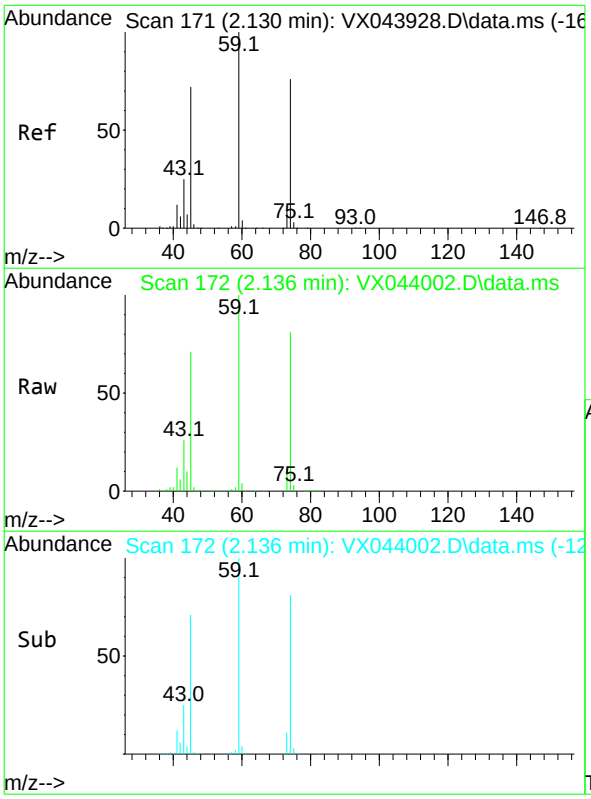
Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.2	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

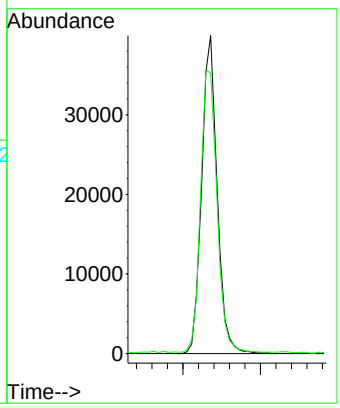


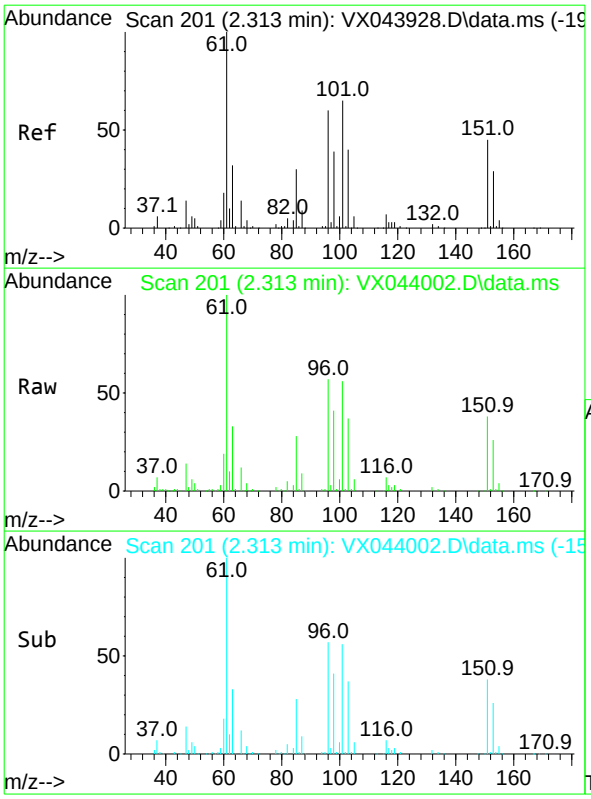


#8
Diethyl Ether
Concen: 47.026 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 74 Resp: 55362

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.482 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

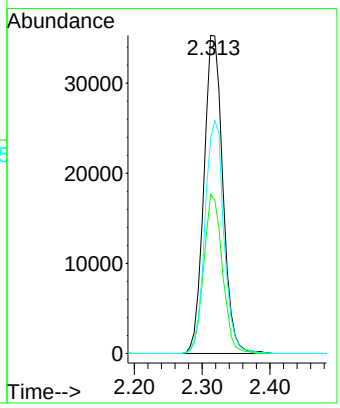
Tgt Ion:101 Resp: 68534

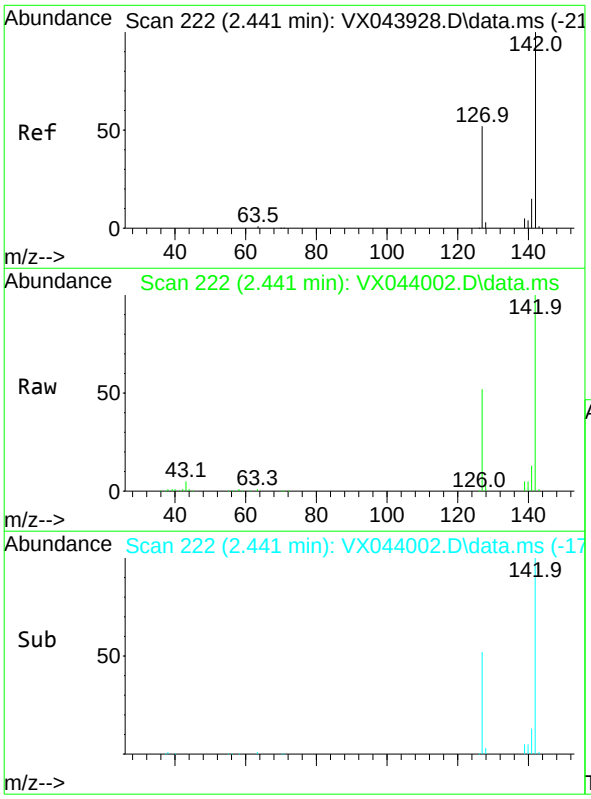
Ion	Ratio	Lower	Upper
101	100		
85	49.3	37.9	56.9
151	73.3	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

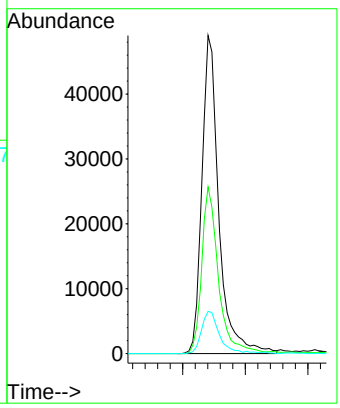


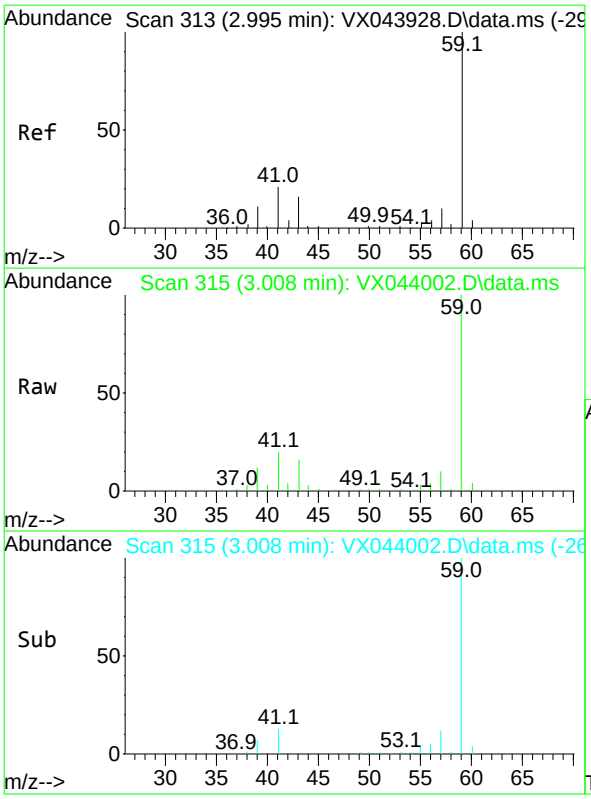


#10
Methyl Iodide
Concen: 47.774 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:142 Resp: 91928

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.7	61.1
141	14.3	12.0	18.0

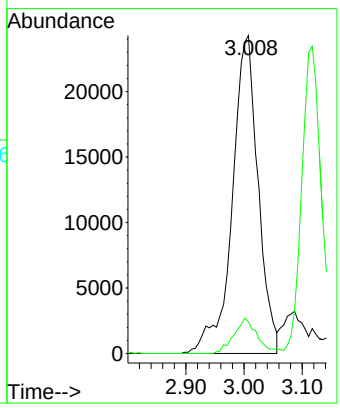




#11
Tert butyl alcohol
Concen: 214.153 ug/l
RT: 3.008 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 59 Resp: 75117

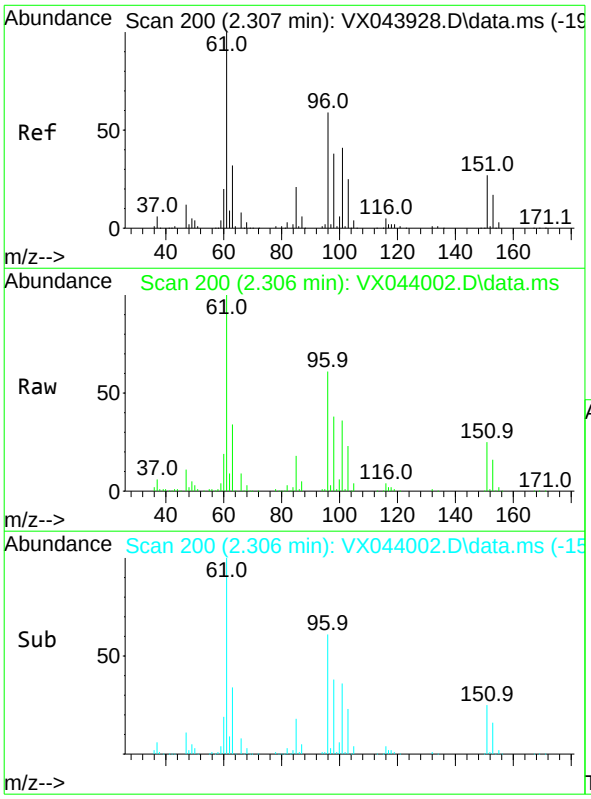
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

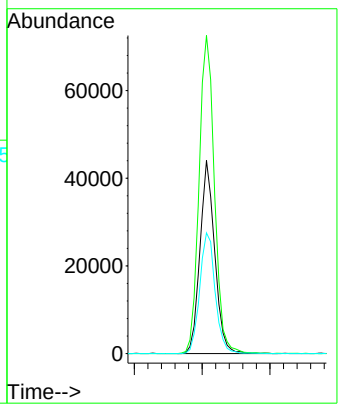
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

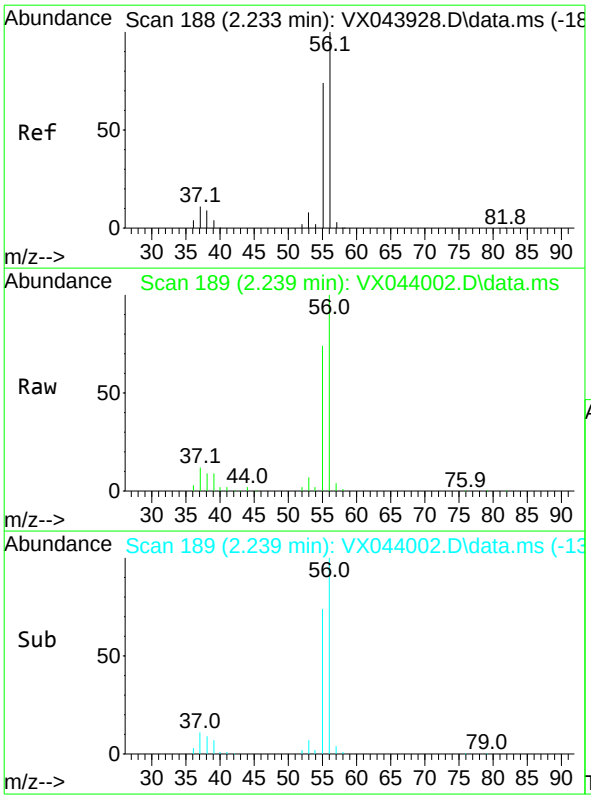


#12
1,1-Dichloroethene
Concen: 45.277 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 66473

Ion	Ratio	Lower	Upper
96	100		
61	164.7	135.5	203.3
98	62.5	50.8	76.2

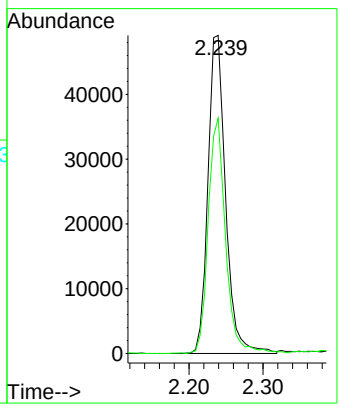




#13
Acrolein
Concen: 220.005 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 56 Resp: 81340

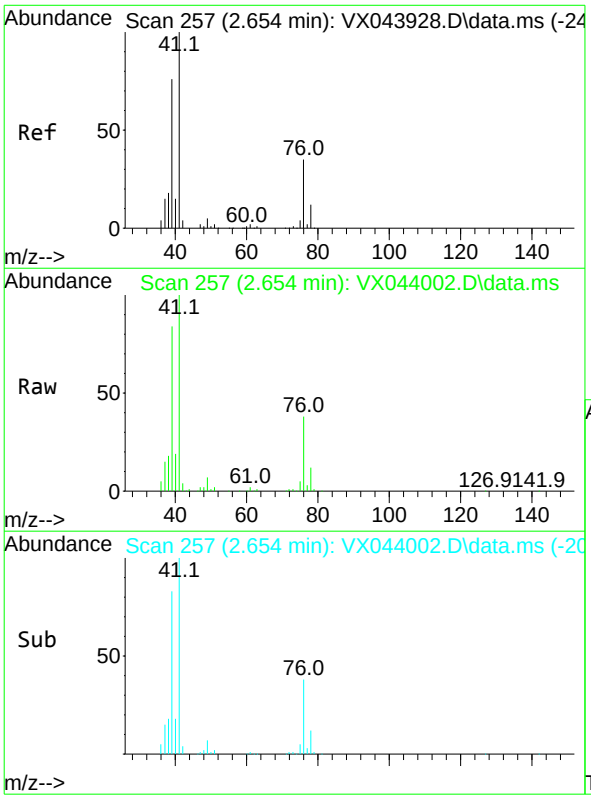
Ion	Ratio	Lower	Upper
56	100		
55	72.9	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

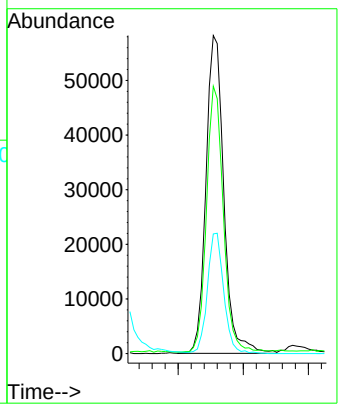
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

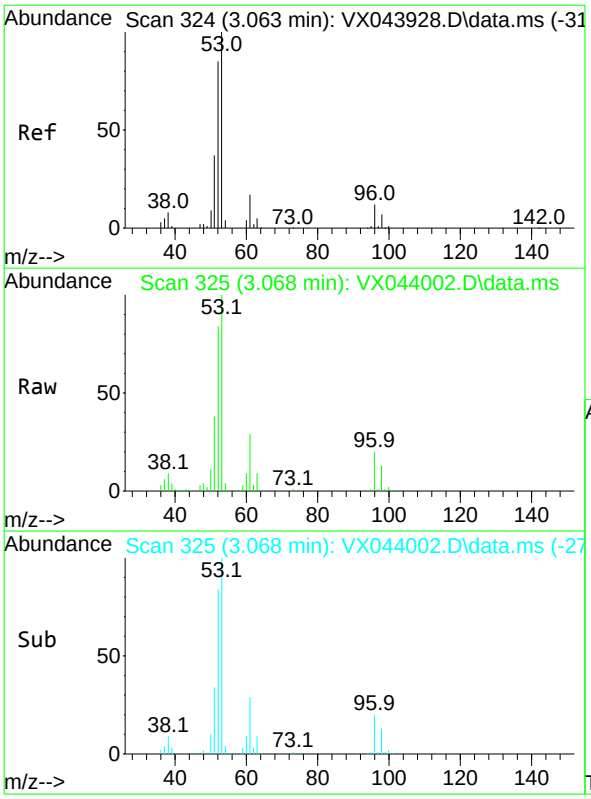


#14
Allyl chloride
Concen: 46.334 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 111152

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	34.7	27.4	41.2





#15
Acrylonitrile
Concen: 227.931 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

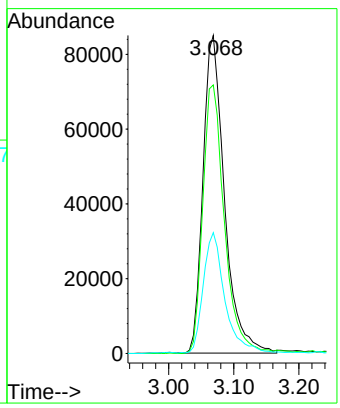
Tgt Ion: 53 Resp: 194832

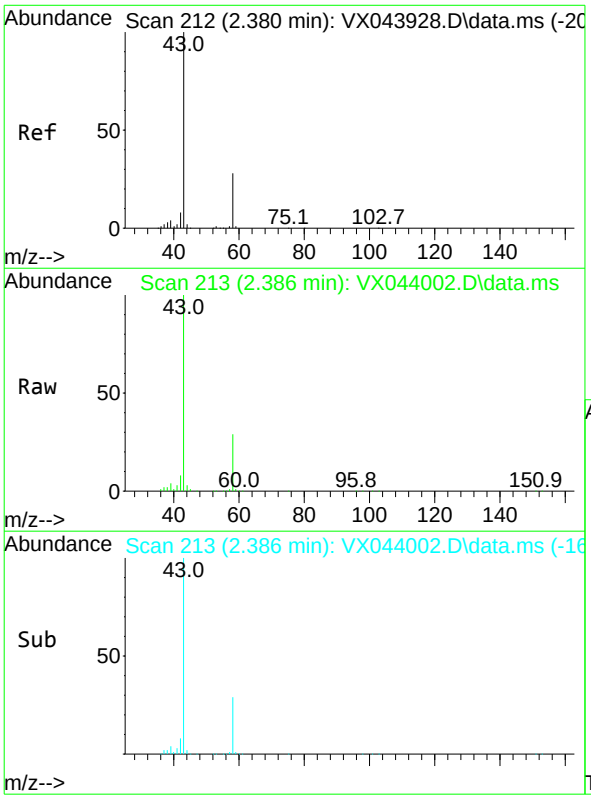
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	38.0	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

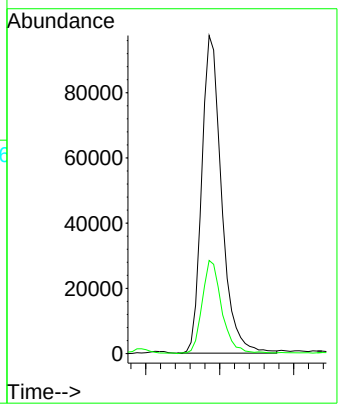


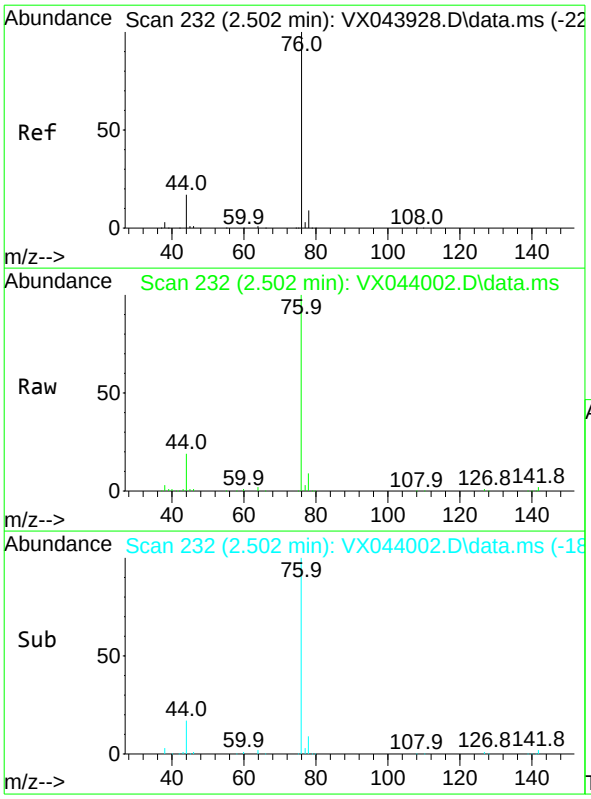


#16
Acetone
Concen: 181.348 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 182019

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.7	34.1





#17
Carbon Disulfide
Concen: 40.633 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

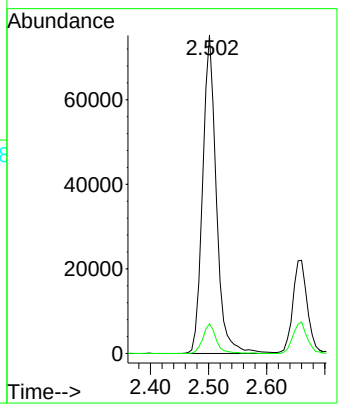
Tgt Ion: 76 Resp: 123054

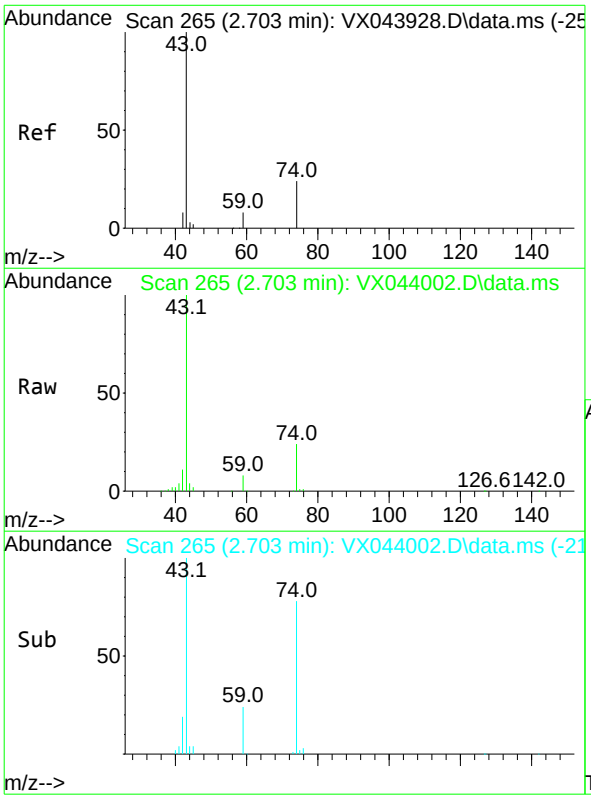
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

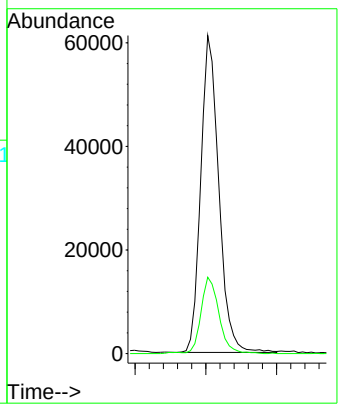


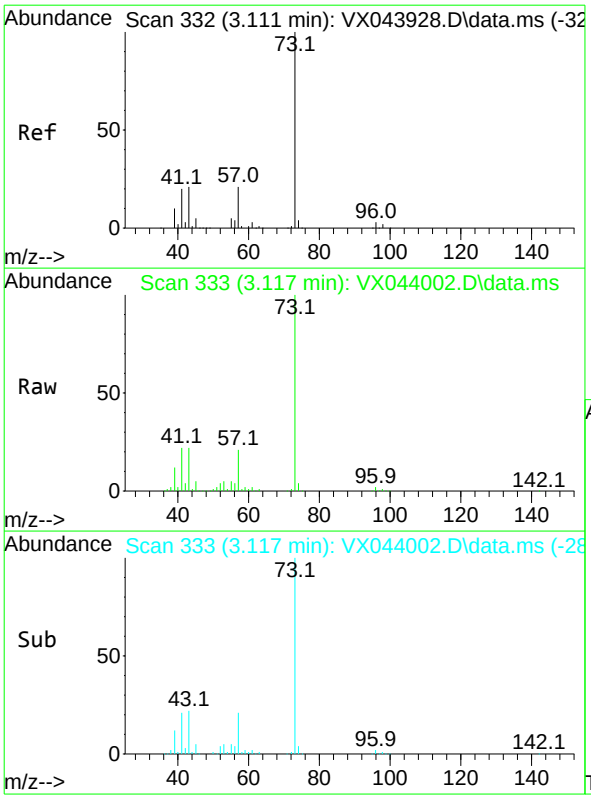


#18
Methyl Acetate
Concen: 46.459 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 108592

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3

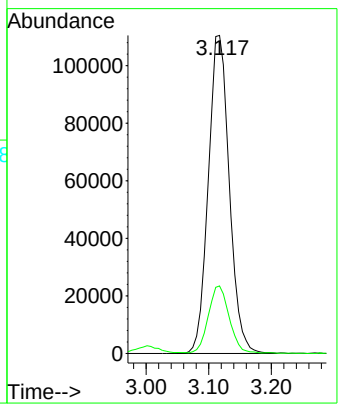




#19
Methyl tert-butyl Ether
Concen: 48.344 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 73 Resp: 257713

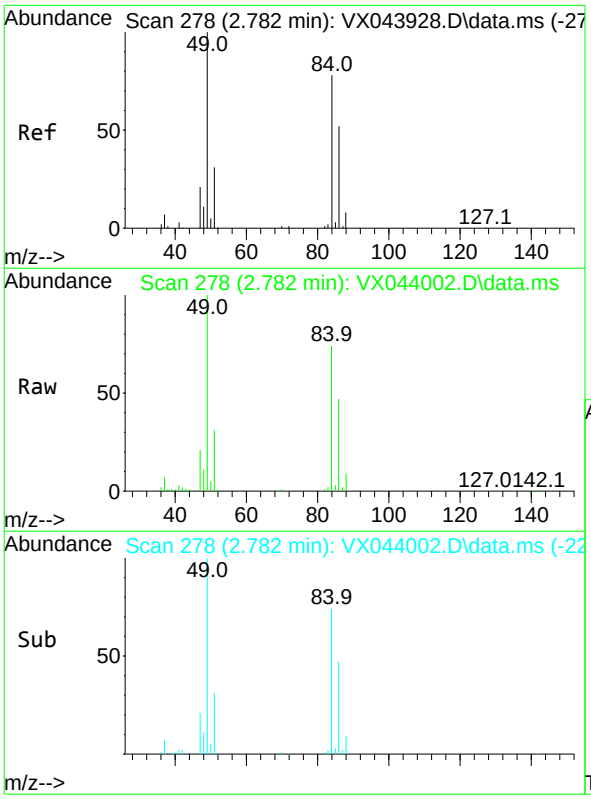
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

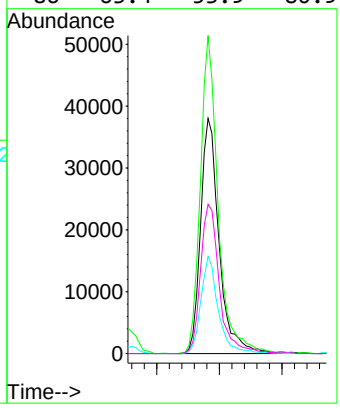
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

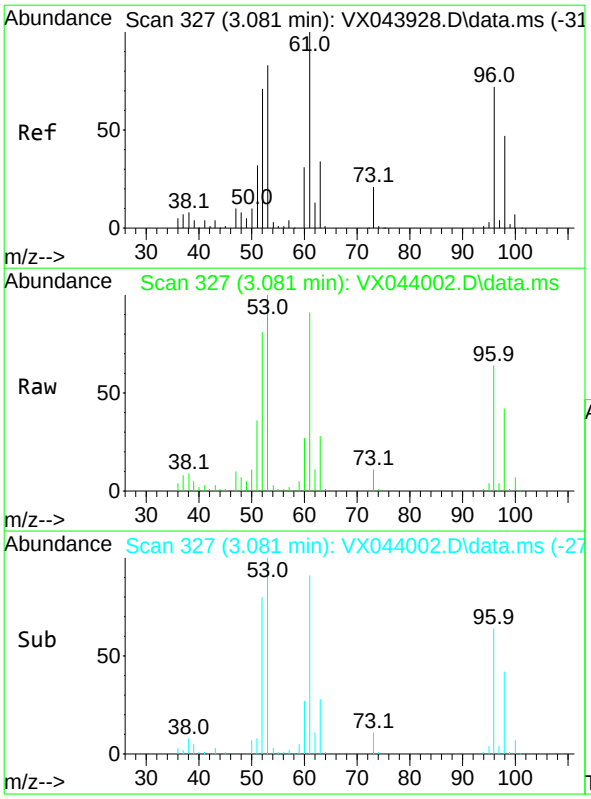


#20
Methylene Chloride
Concen: 45.823 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 84 Resp: 78049

Ion	Ratio	Lower	Upper
84	100		
49	135.2	102.7	154.1
51	41.4	31.7	47.5
86	63.4	53.9	80.9

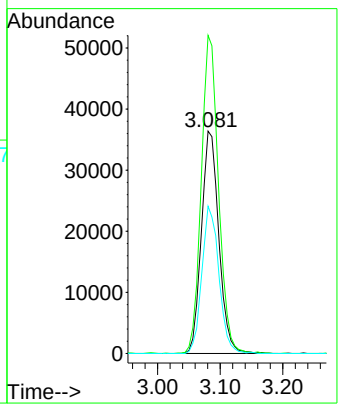




#21
trans-1,2-Dichloroethene
Concen: 46.341 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 70242

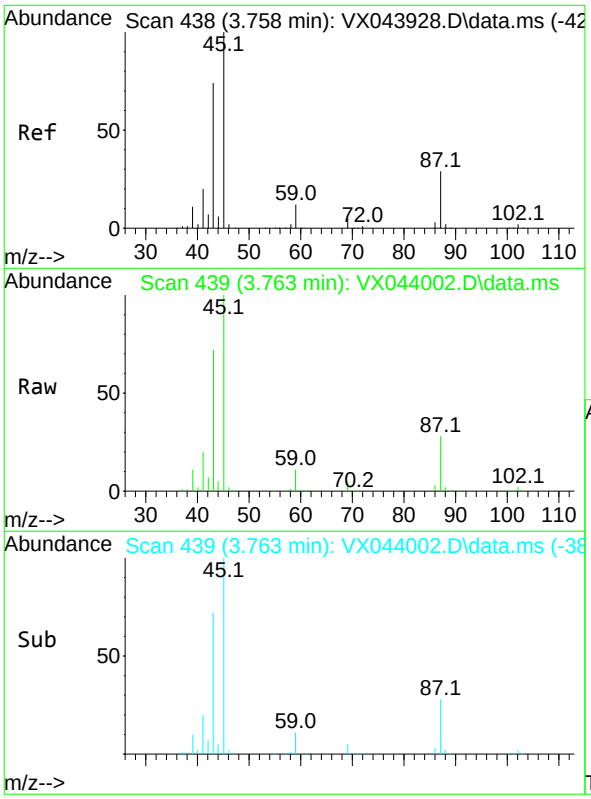
Ion	Ratio	Lower	Upper
96	100		
61	143.0	111.8	167.6
98	66.2	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

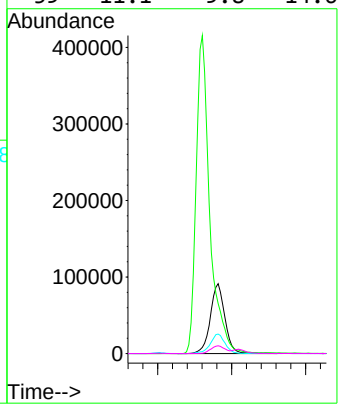
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

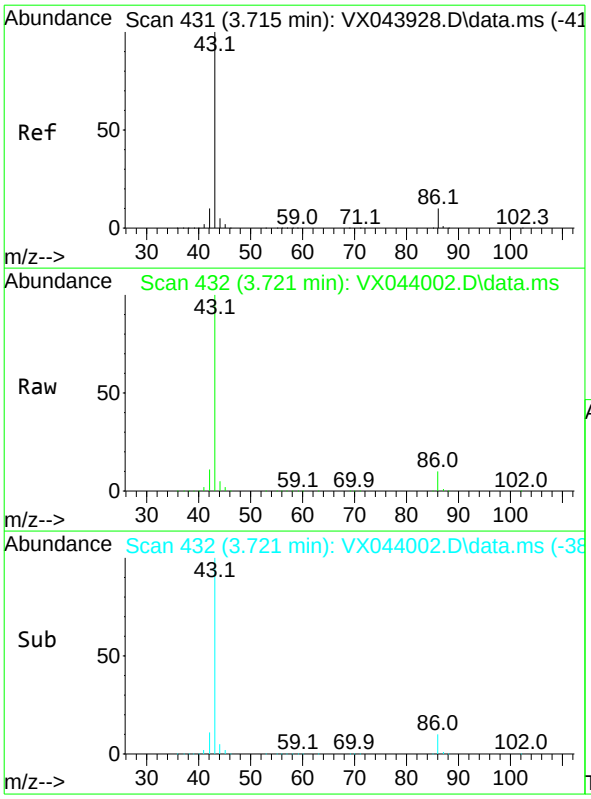


#22
Diisopropyl ether
Concen: 48.501 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 45 Resp: 248793

Ion	Ratio	Lower	Upper
45	100		
43	71.6	59.6	89.4
87	27.9	22.9	34.3
59	11.1	9.8	14.6

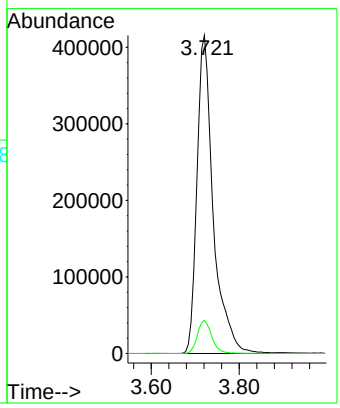




#23
Vinyl Acetate
Concen: 243.229 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 1067324

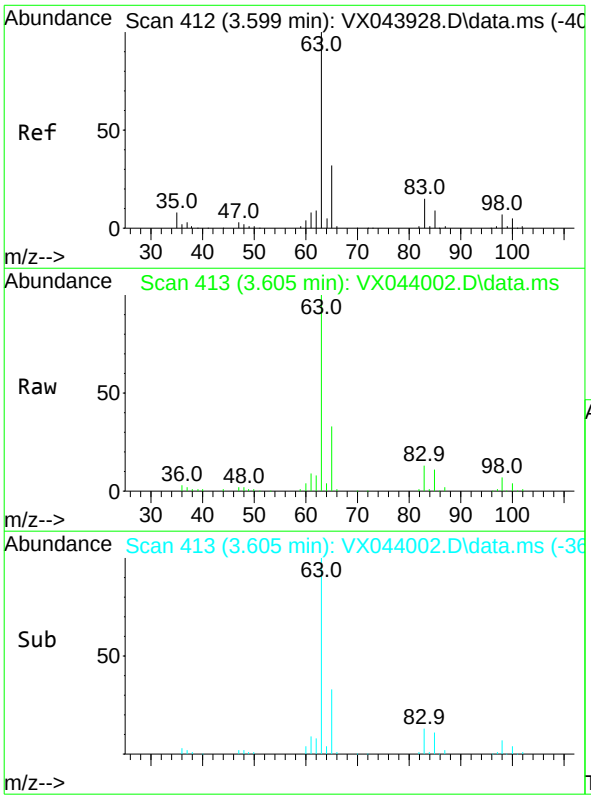
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

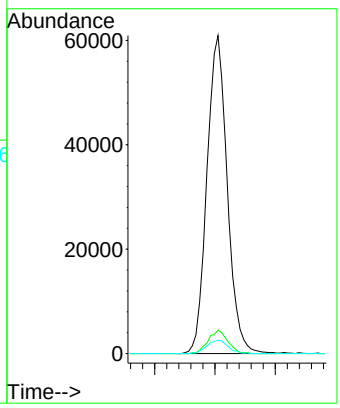
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

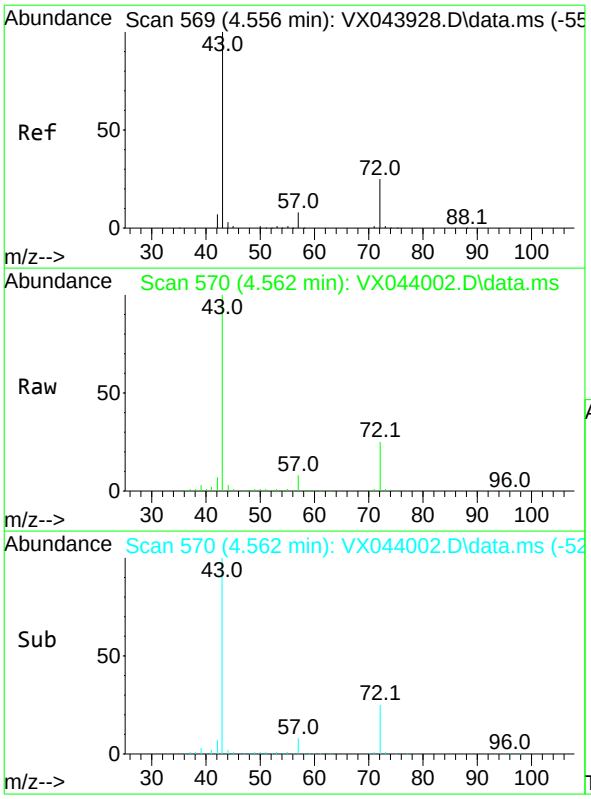


#24
1,1-Dichloroethane
Concen: 48.335 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 143036

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.2	2.4	7.1

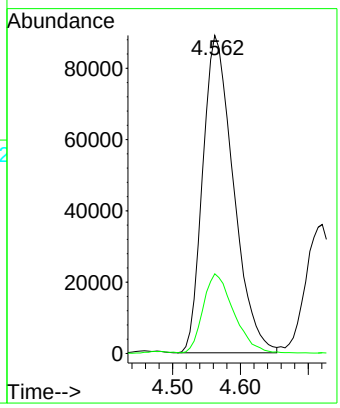




#25
2-Butanone
Concen: 216.431 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 280296

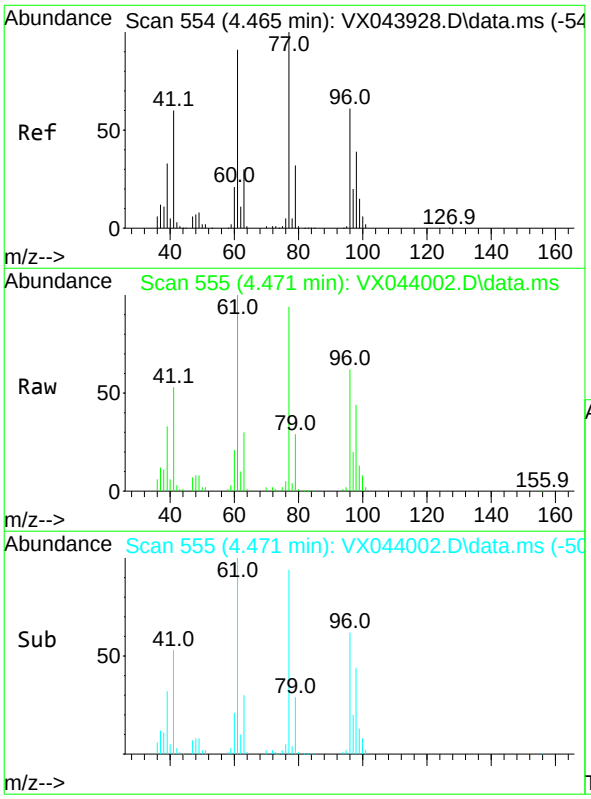
Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

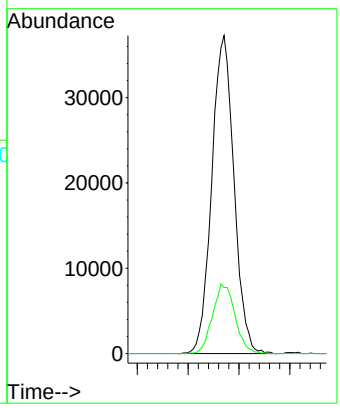
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

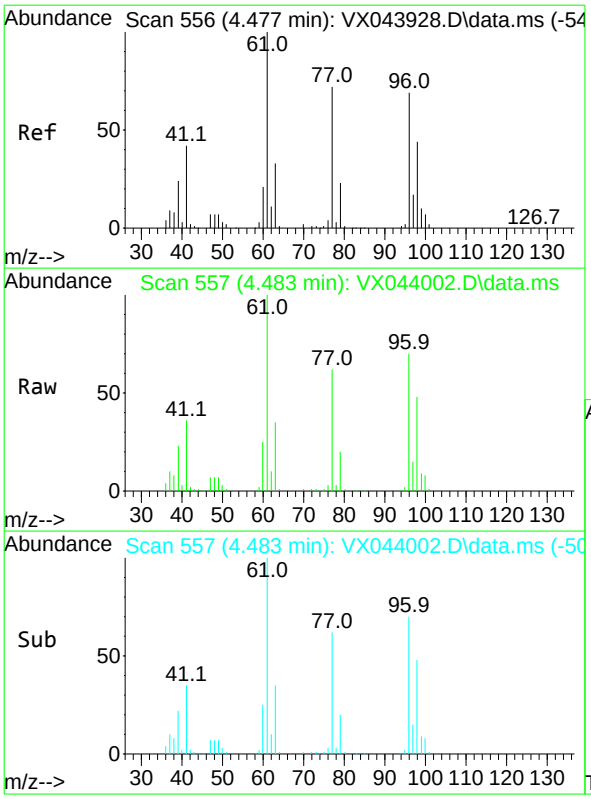


#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 77 Resp: 113002

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

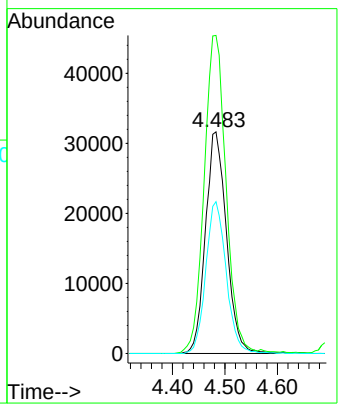




#27
cis-1,2-Dichloroethene
Concen: 46.860 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 87798

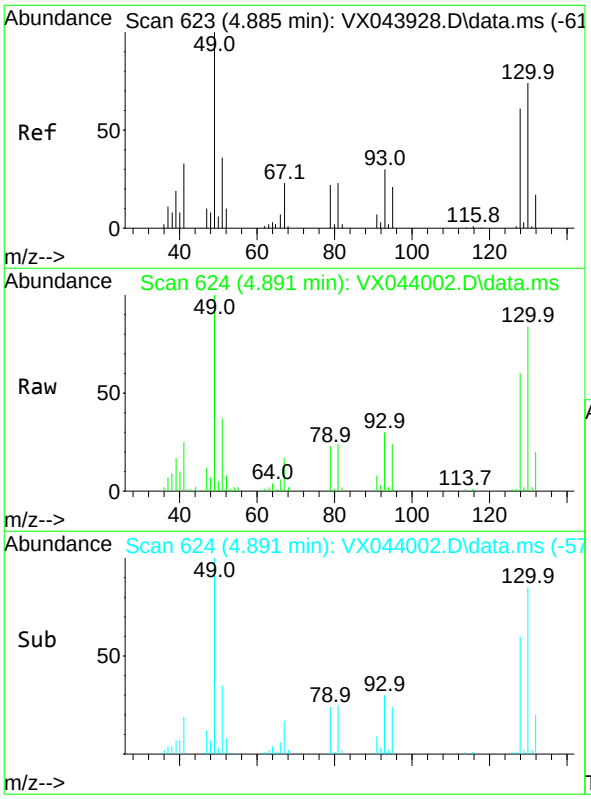
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.4
98	66.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

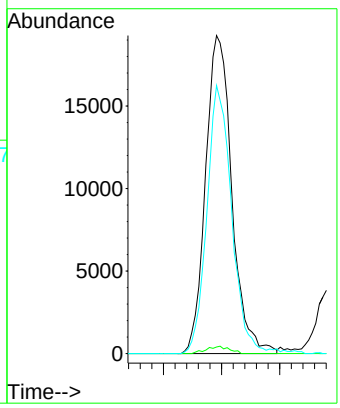
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

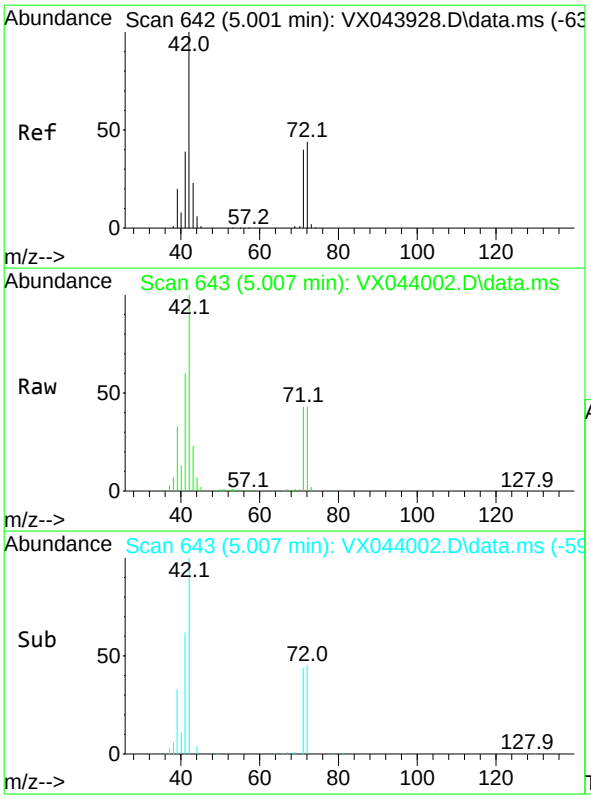


#28
Bromochloromethane
Concen: 46.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 49 Resp: 60444

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	79.0	59.0	88.6

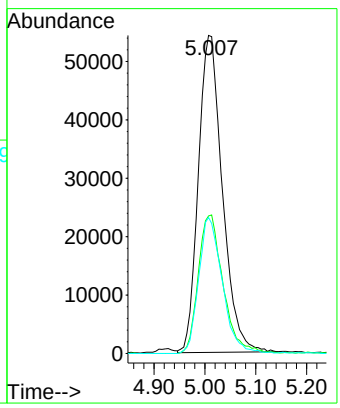




#29
Tetrahydrofuran
Concen: 224.316 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 42 Resp: 178100

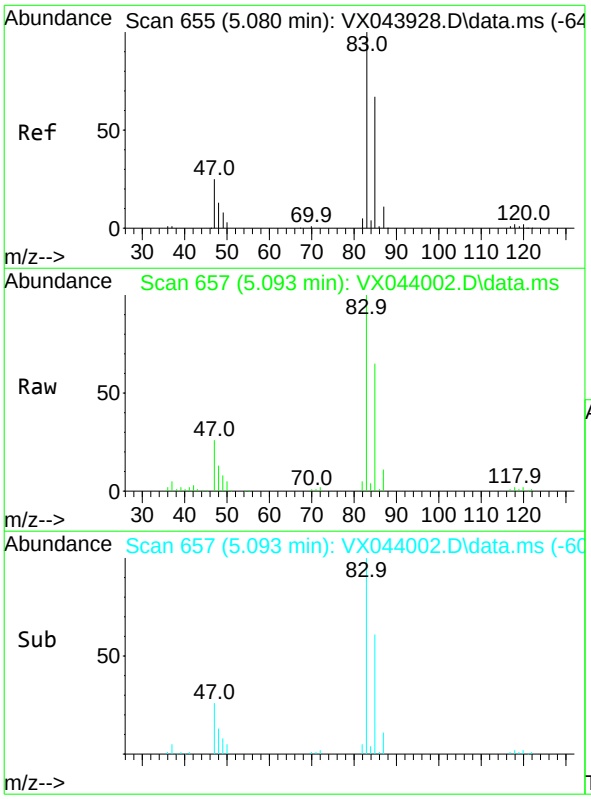
Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.4	54.6
71	42.1	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

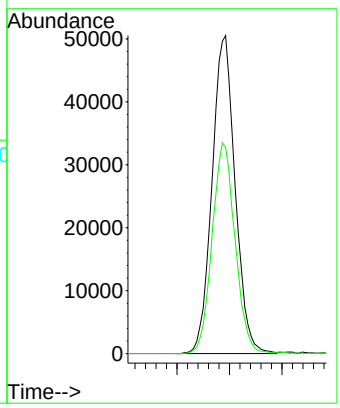
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

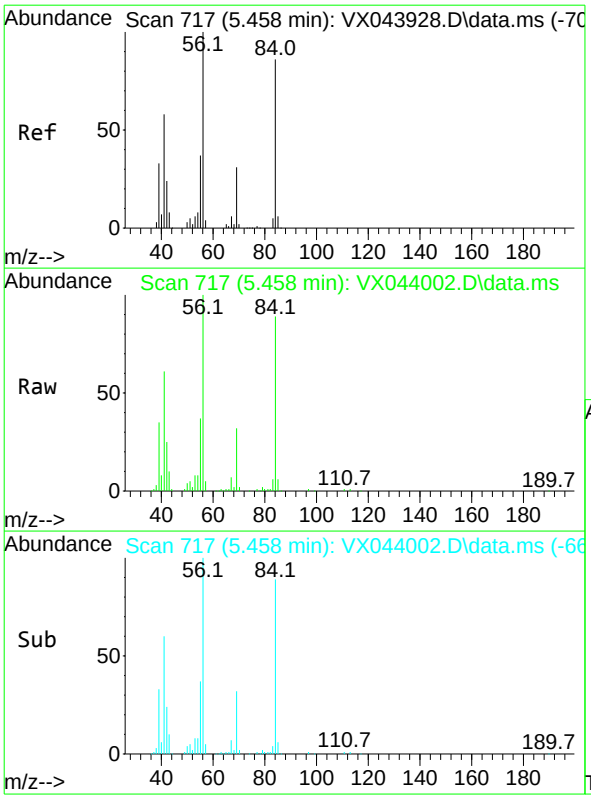


#30
Chloroform
Concen: 48.472 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 154278

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3

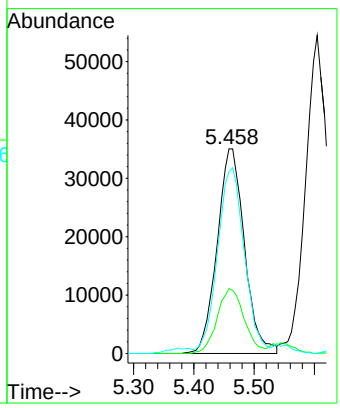




#31
Cyclohexane
Concen: 45.330 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 56 Resp: 110406

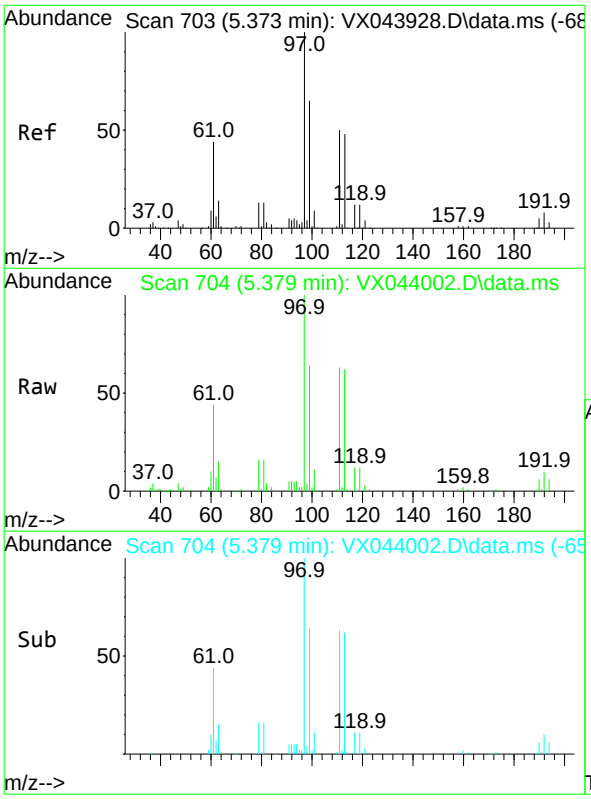
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.7	37.1
84	86.3	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

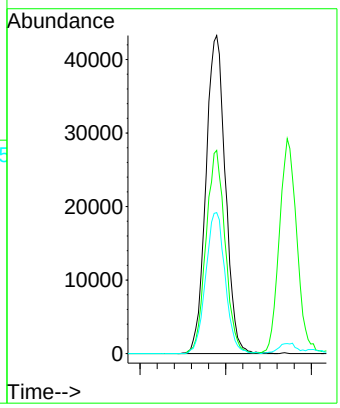
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

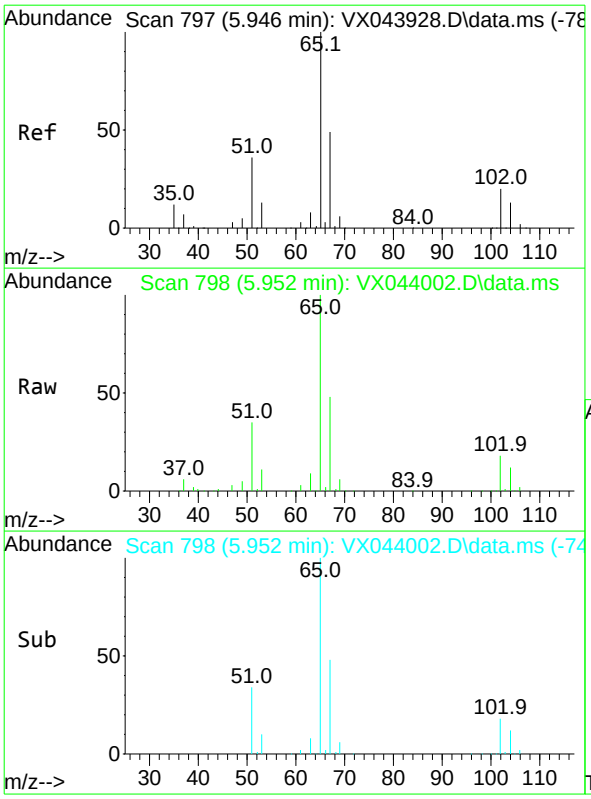


#32
1,1,1-Trichloroethane
Concen: 49.746 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 97 Resp: 136540

Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.8	76.2
61	44.4	35.4	53.2

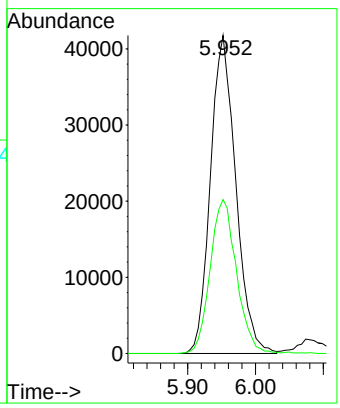




#33
1,2-Dichloroethane-d4
Concen: 49.603 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 65 Resp: 108399

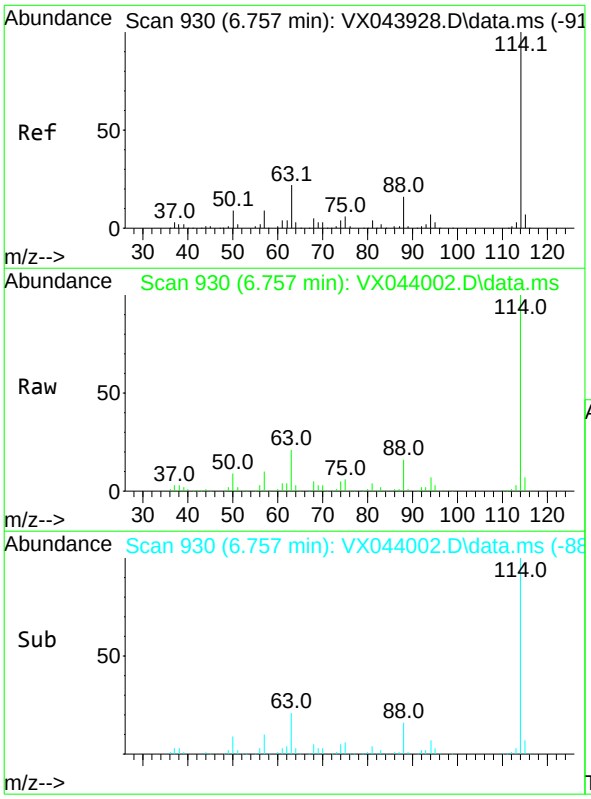
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

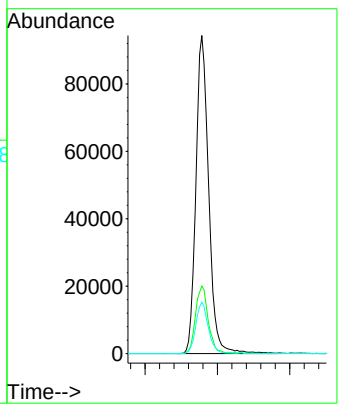
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

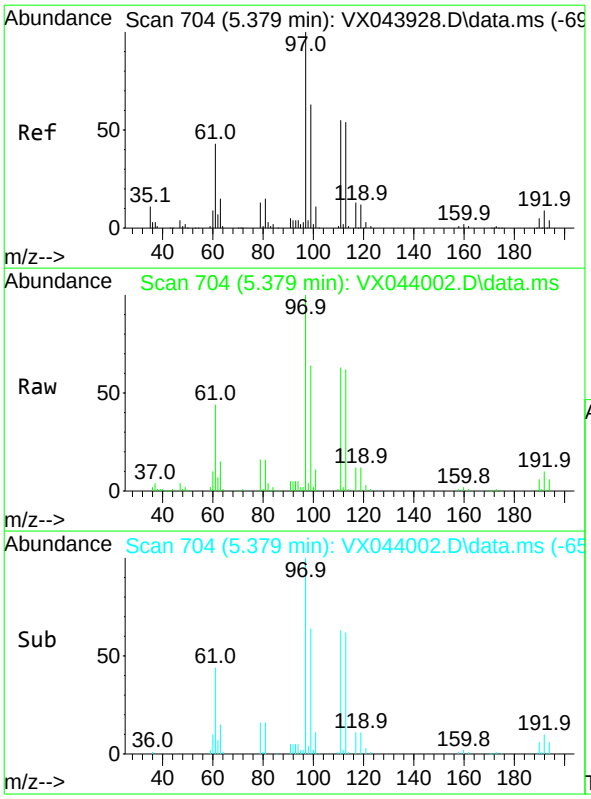


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:114 Resp: 230970

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.1	0.0	32.4

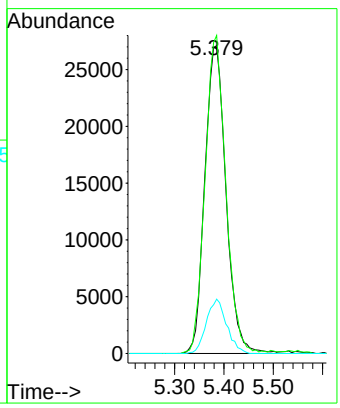




#35
Dibromofluoromethane
Concen: 49.008 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:113 Resp: 80883

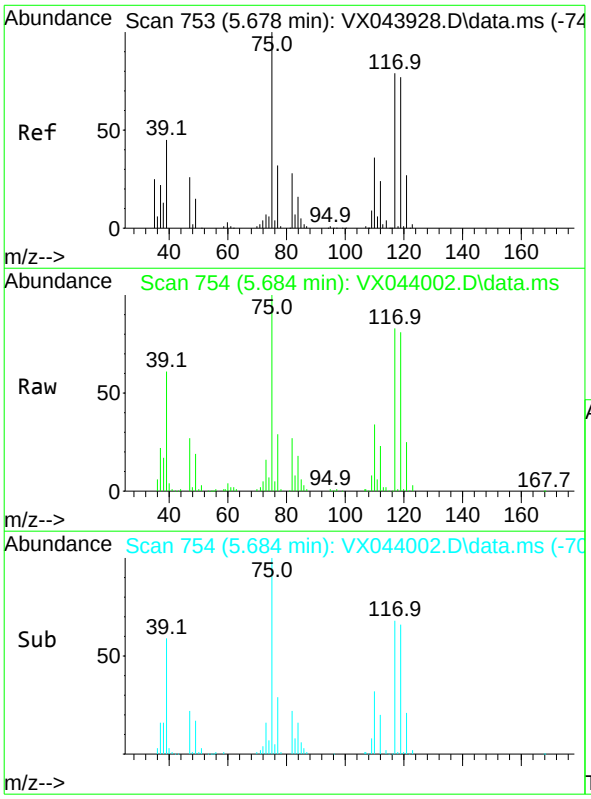
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	16.9	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

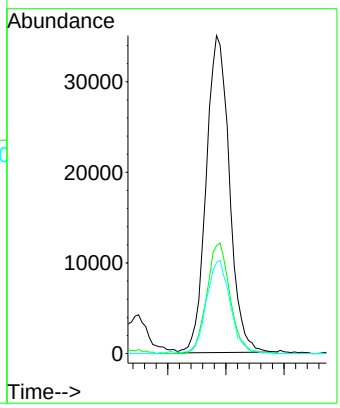
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

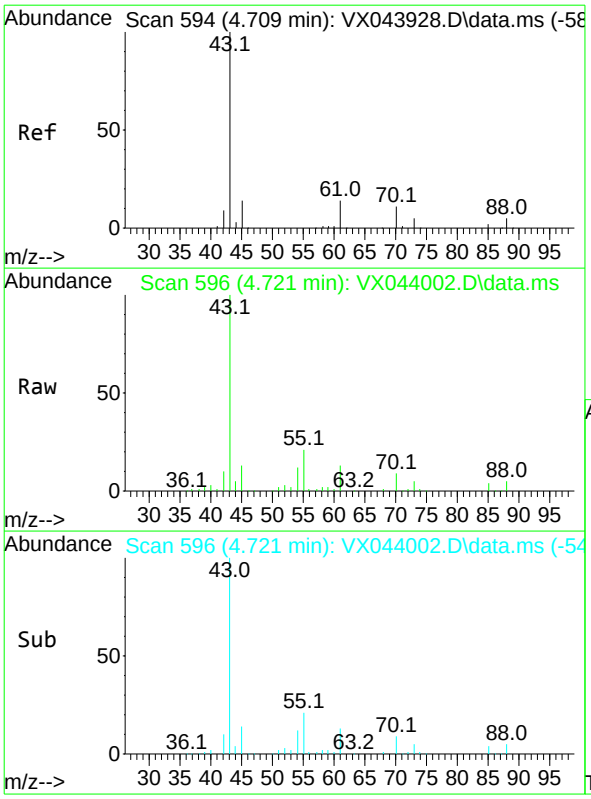


#36
1,1-Dichloropropene
Concen: 47.258 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 97191

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	30.2	25.8	38.8

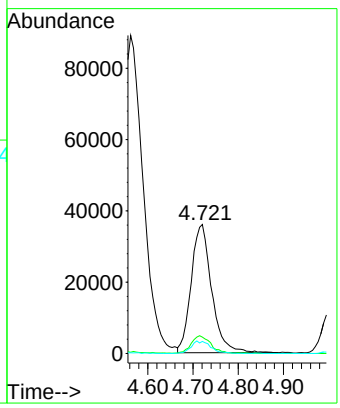




#37
Ethyl Acetate
Concen: 44.263 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 112998

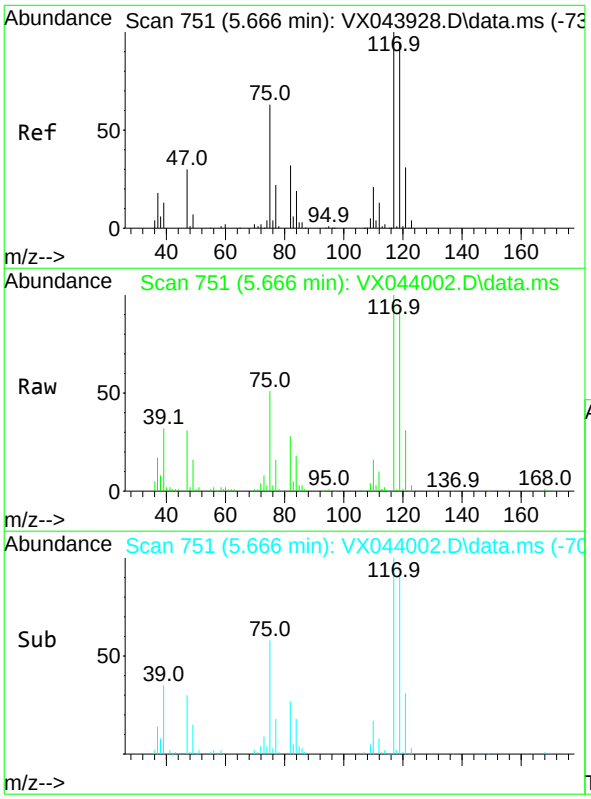
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	9.3	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

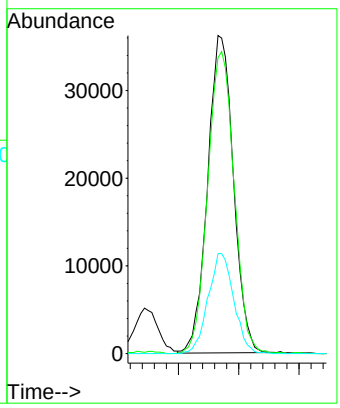
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

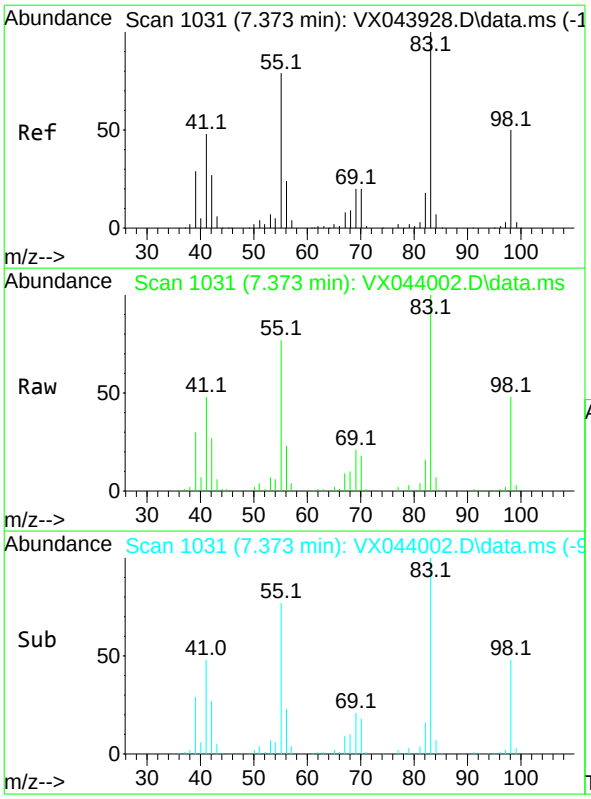


#38
Carbon Tetrachloride
Concen: 46.611 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 107711

Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.2	112.8
121	31.6	24.5	36.7

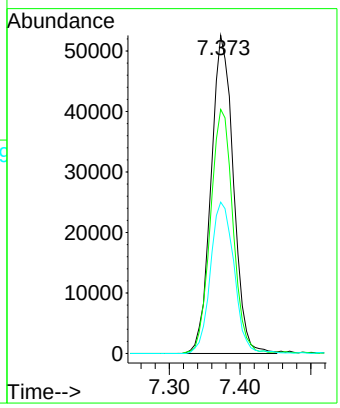




#39
Methylcyclohexane
Concen: 43.198 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 115415

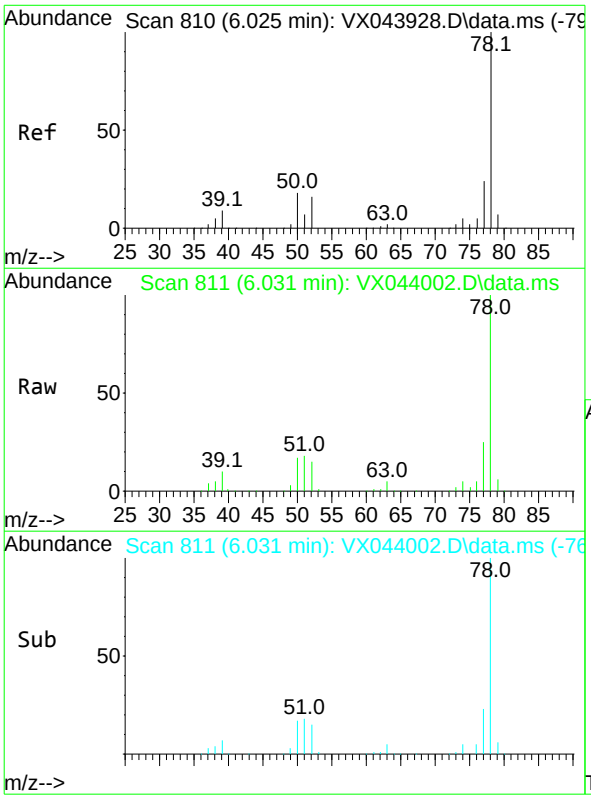
Ion	Ratio	Lower	Upper
83	100		
55	76.7	63.1	94.7
98	47.6	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

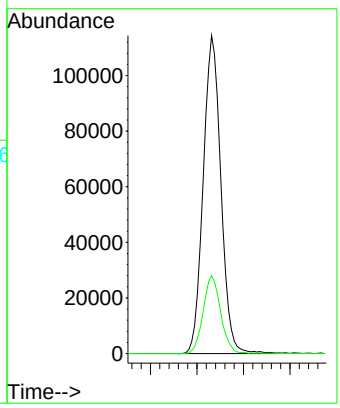
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

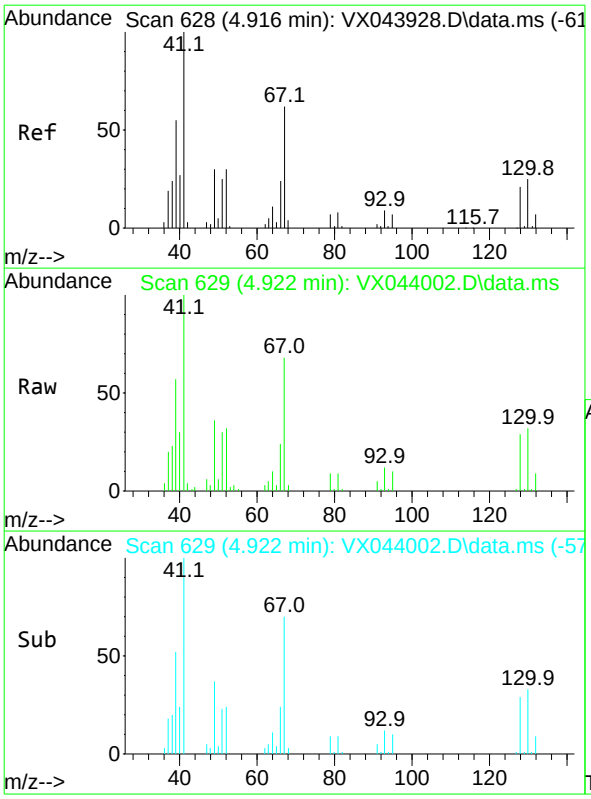


#40
Benzene
Concen: 47.188 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 78 Resp: 302293

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8

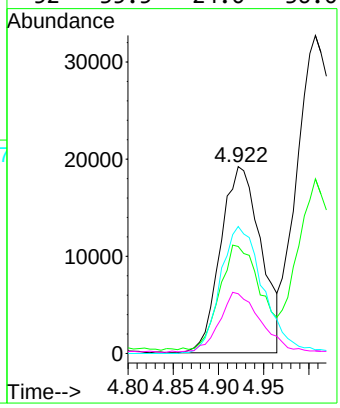




#41
Methacrylonitrile
Concen: 45.746 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 59772

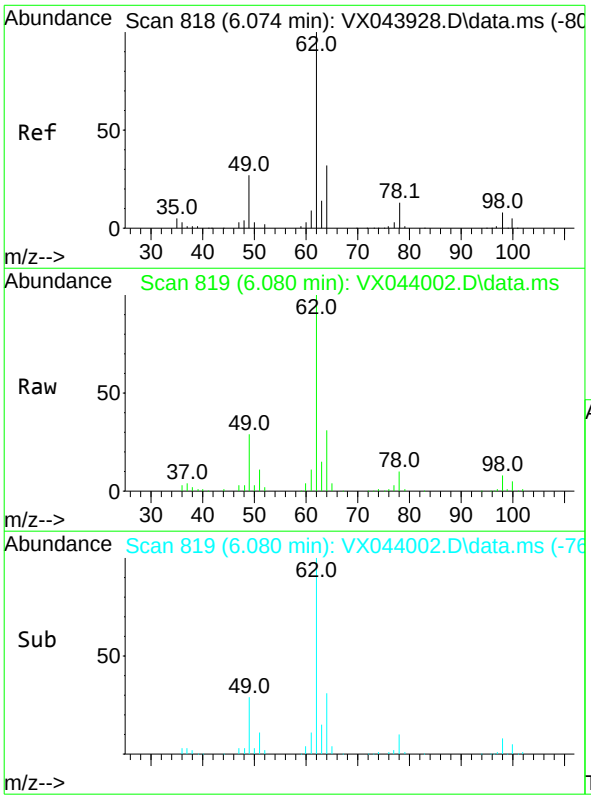
Ion	Ratio	Lower	Upper
41	100		
39	56.5	41.7	62.5
67	73.2	55.8	83.8
52	35.5	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

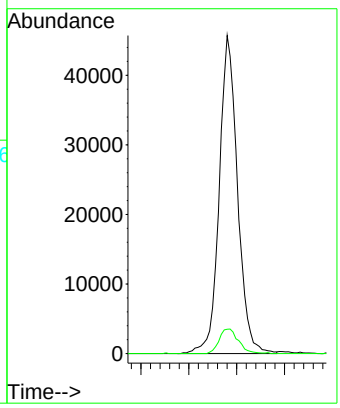
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

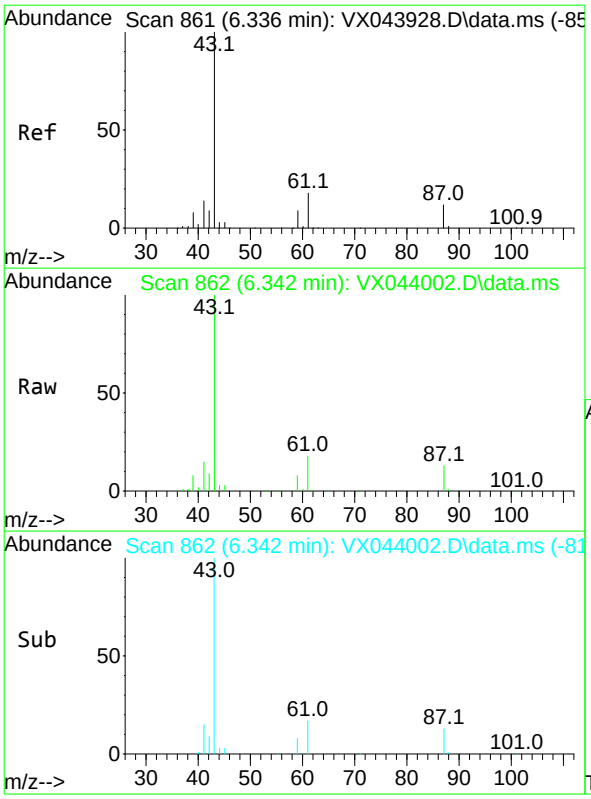


#42
1,2-Dichloroethane
Concen: 47.224 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 121500

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

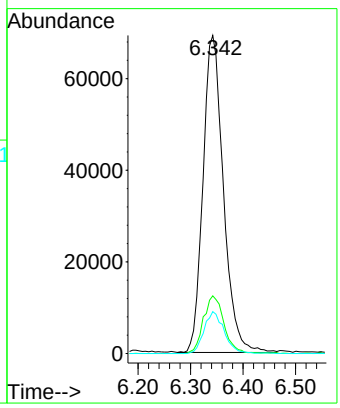




#43
Isopropyl Acetate
Concen: 46.041 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 187057

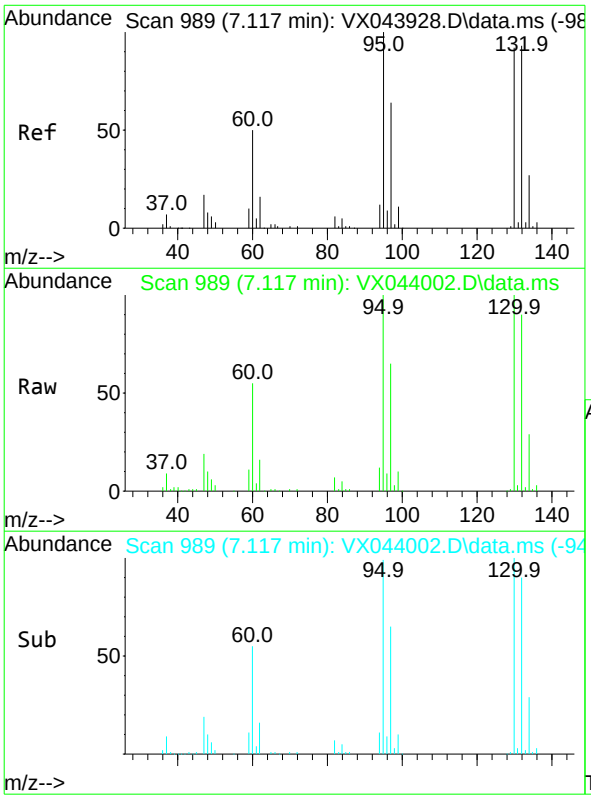
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	12.9	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

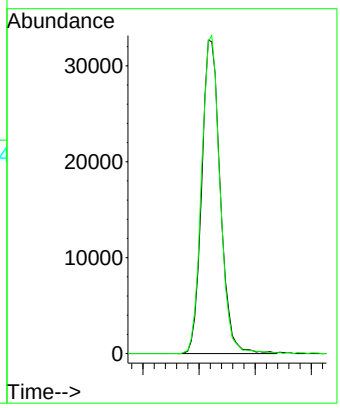
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

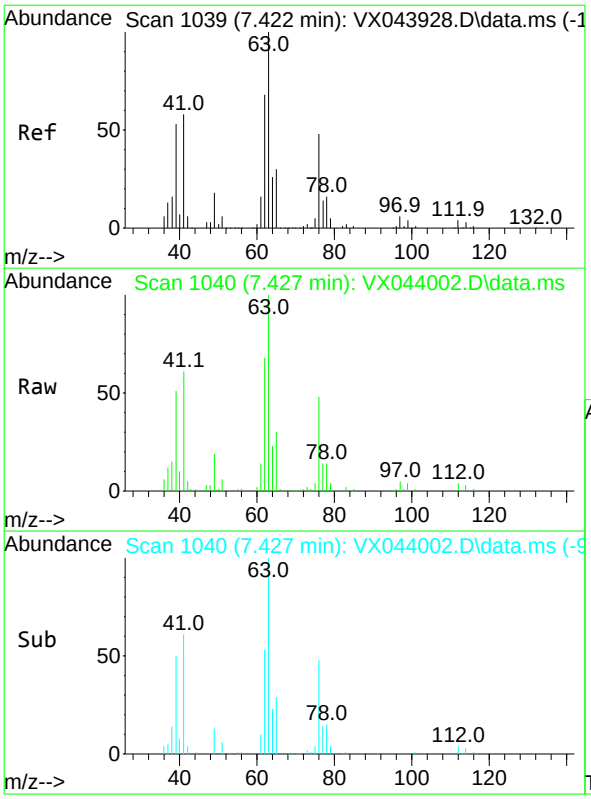


#44
Trichloroethene
Concen: 41.321 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:130 Resp: 74936

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	217.8

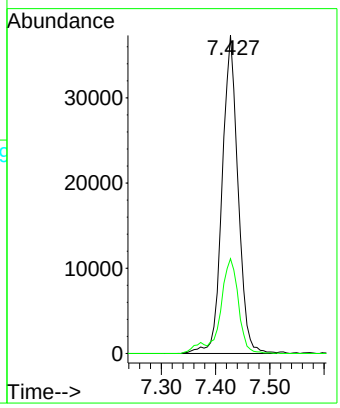




#45
1,2-Dichloropropane
Concen: 48.403 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 75945

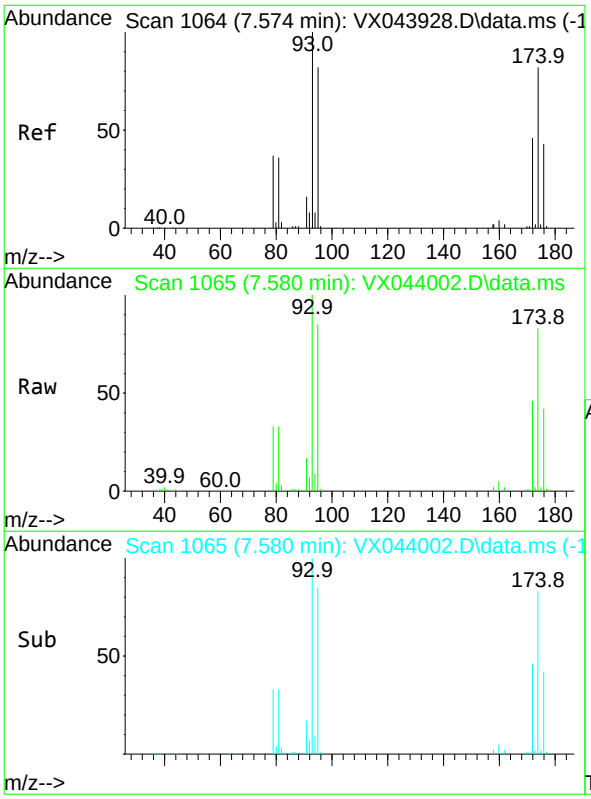
Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

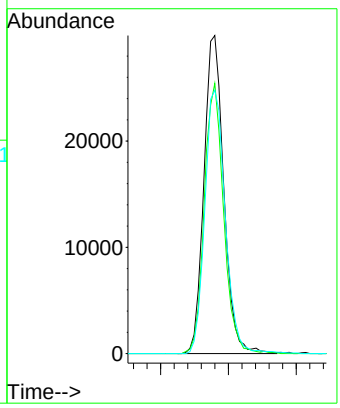
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

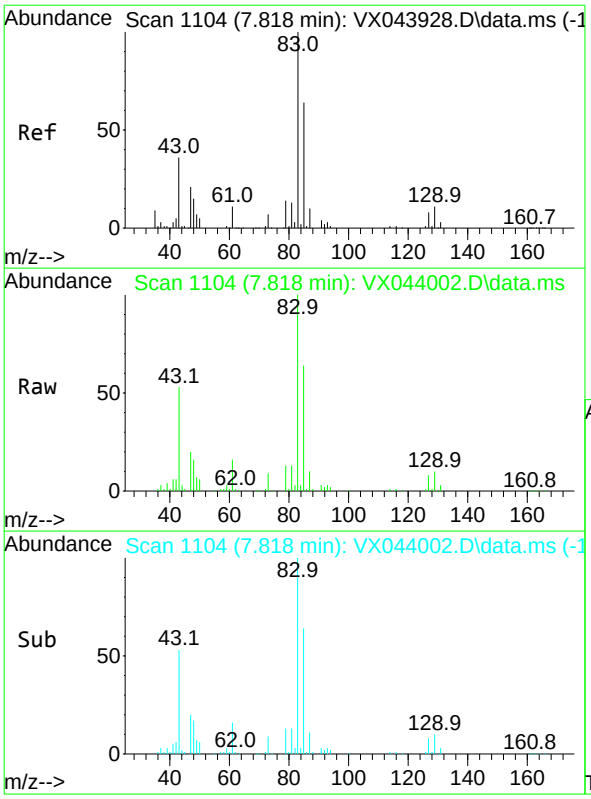


#46
Dibromomethane
Concen: 49.045 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 93 Resp: 60872

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	85.5	69.6	104.4

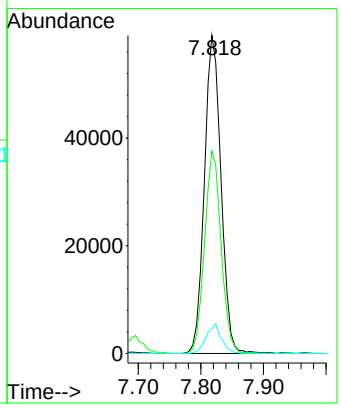




#47
Bromodichloromethane
Concen: 48.953 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 108968

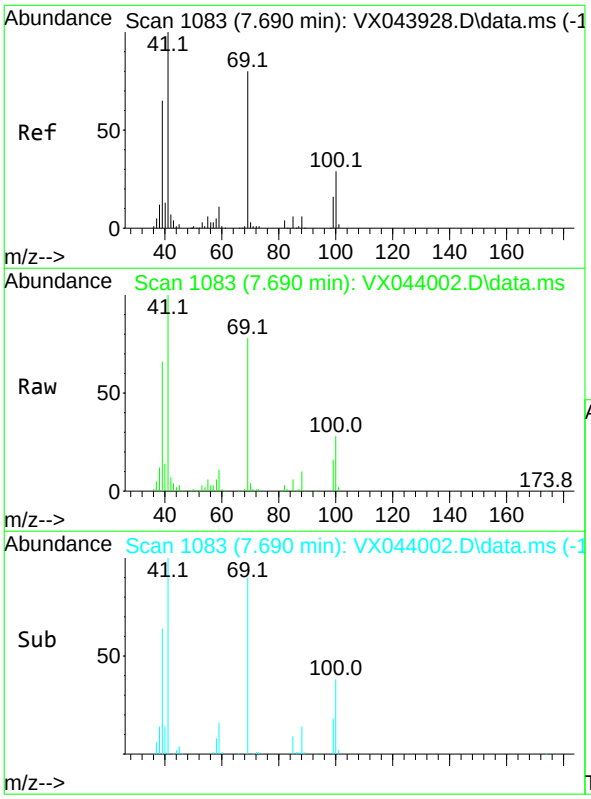
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	7.7	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

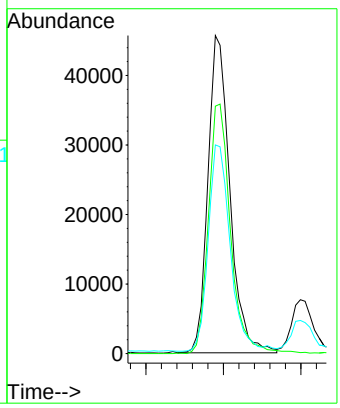
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

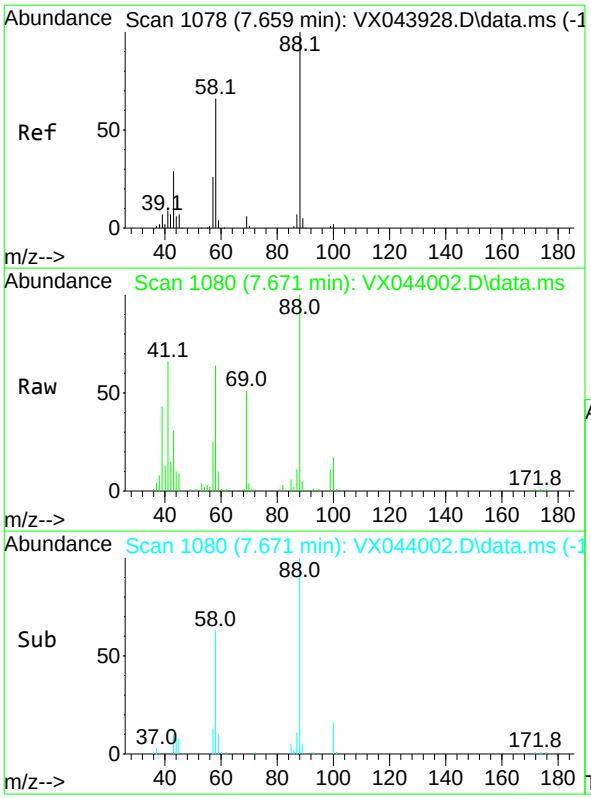


#48
Methyl methacrylate
Concen: 46.134 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 89938

Ion	Ratio	Lower	Upper
41	100		
69	79.6	64.6	97.0
39	65.3	53.3	79.9

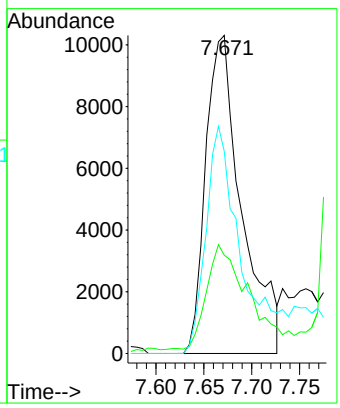




#49
1,4-Dioxane
Concen: 777.017 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 88 Resp: 26983

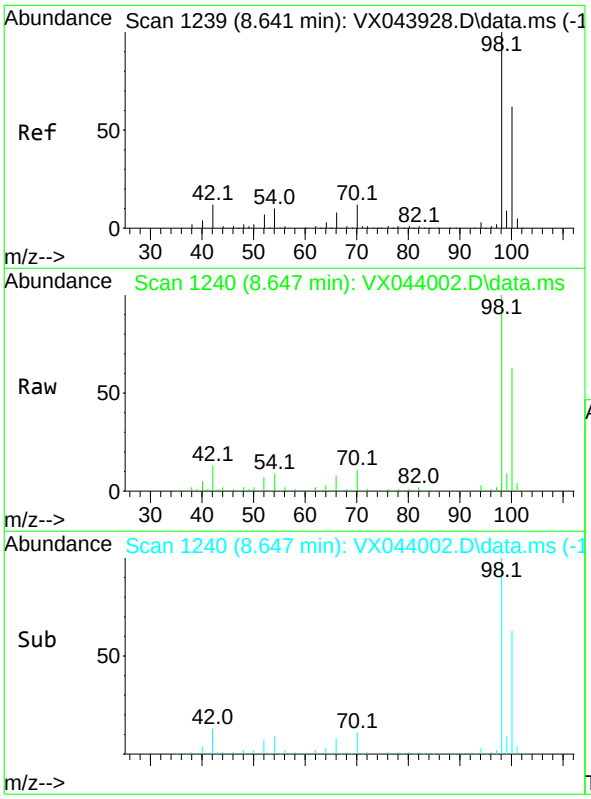
Ion	Ratio	Lower	Upper
88	100		
43	39.2	26.8	40.2
58	67.6	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

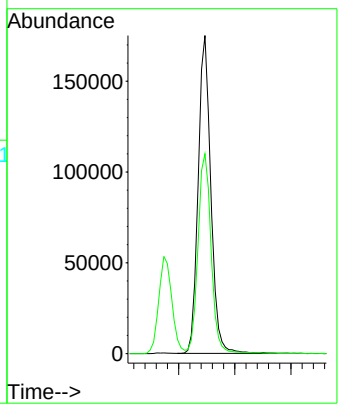
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

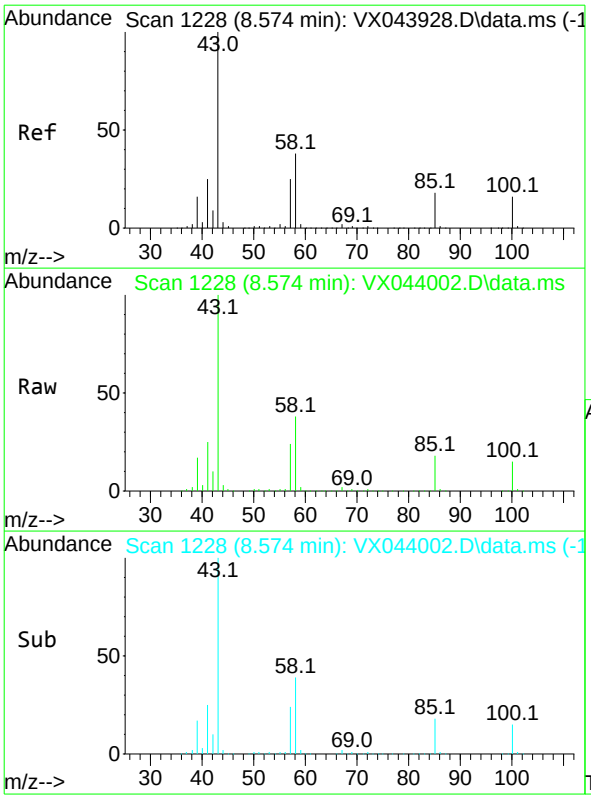


#50
Toluene-d8
Concen: 48.276 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 98 Resp: 274647

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

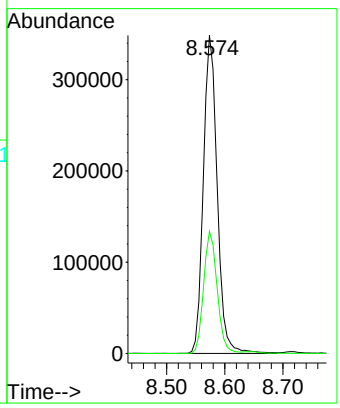




#51
4-Methyl-2-Pentanone
Concen: 232.731 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 577015

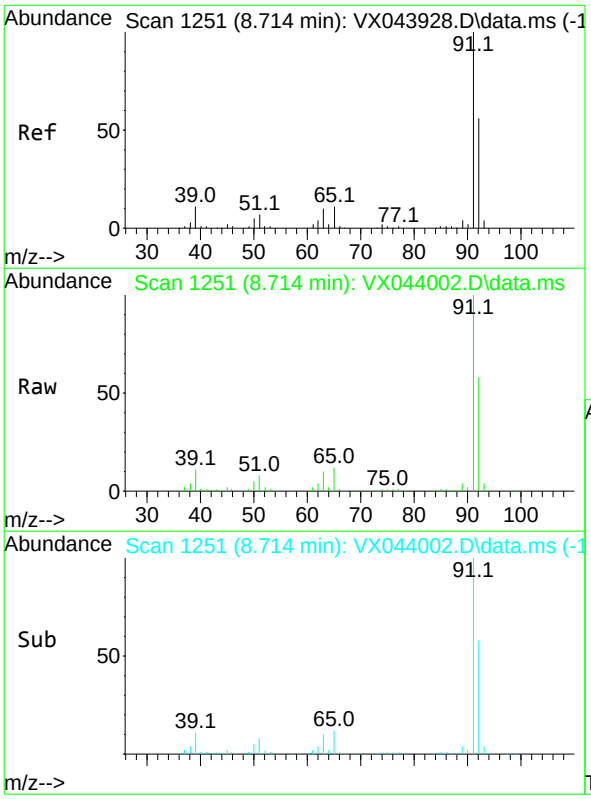
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

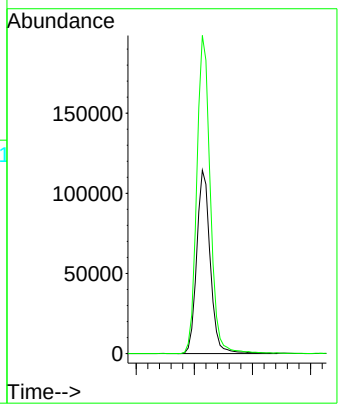
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

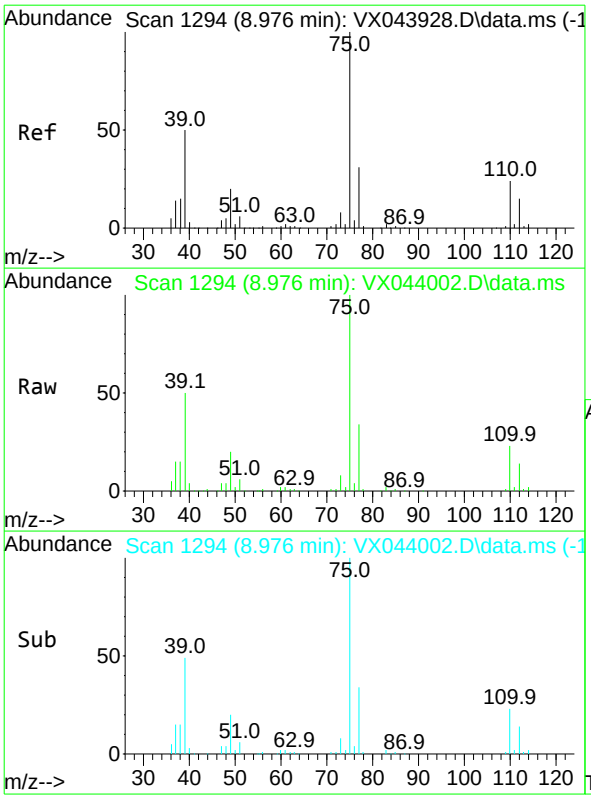


#52
Toluene
Concen: 48.090 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 92 Resp: 184390

Ion	Ratio	Lower	Upper
92	100		
91	173.2	139.7	209.5

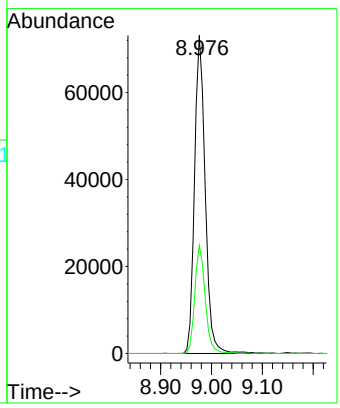




#53
t-1,3-Dichloropropene
Concen: 47.064 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 106834

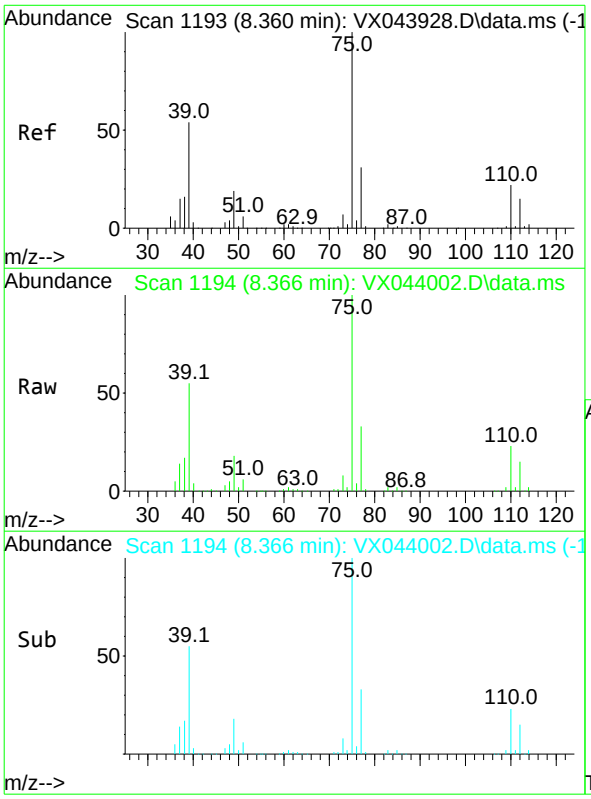
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

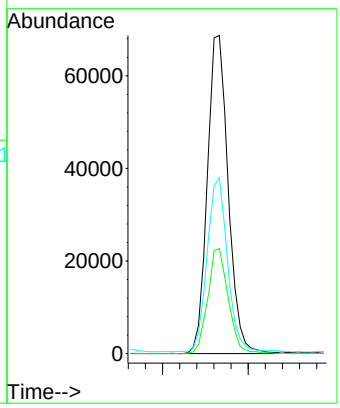
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

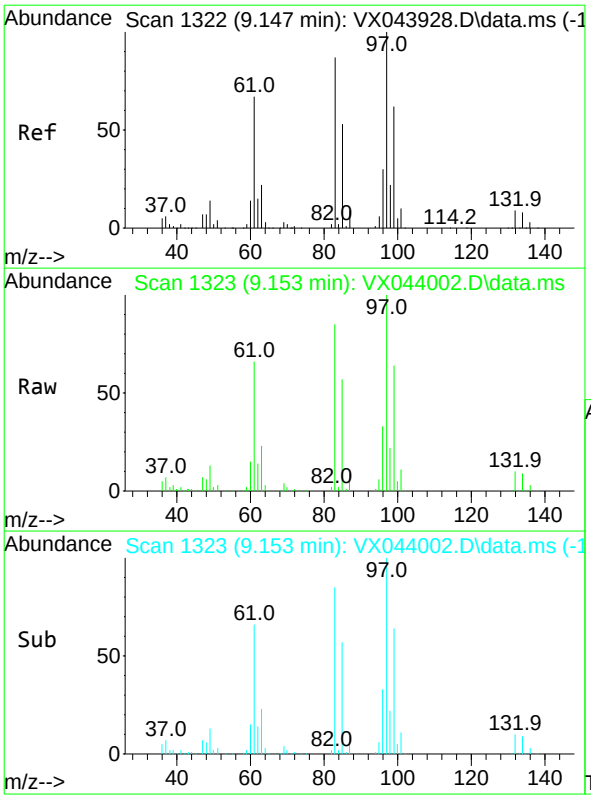


#54
cis-1,3-Dichloropropene
Concen: 46.816 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 116499

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	54.6	43.1	64.7

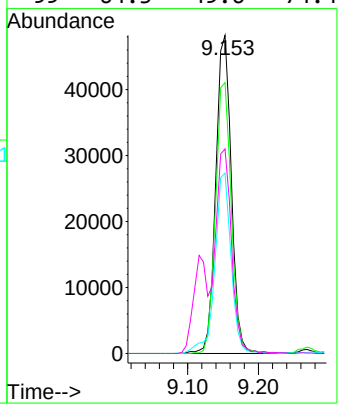




#55
1,1,2-Trichloroethane
Concen: 46.565 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 97 Resp: 73702

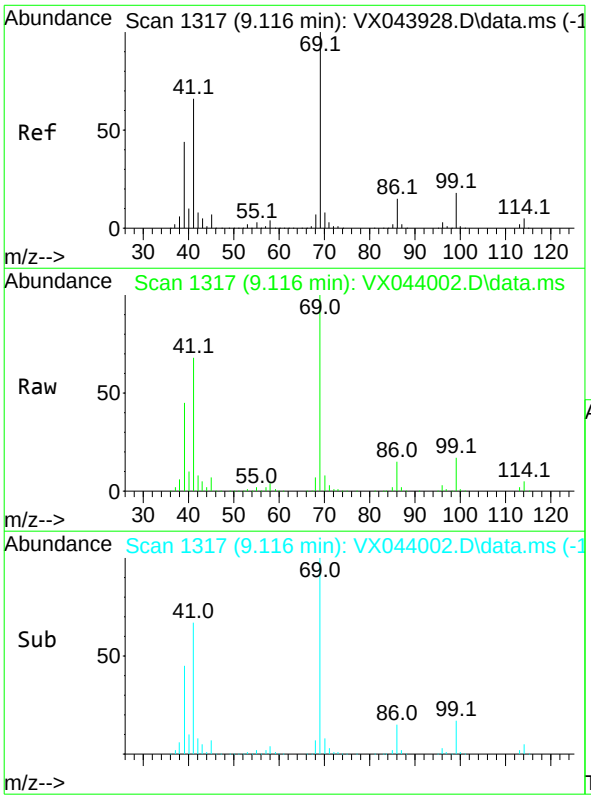
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	56.6	42.3	63.5
99	64.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

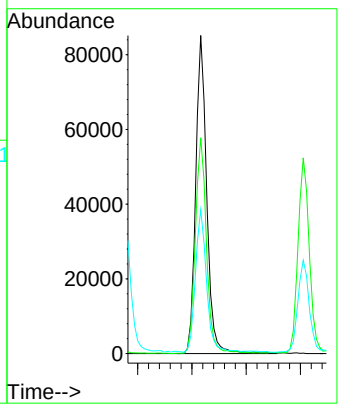
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

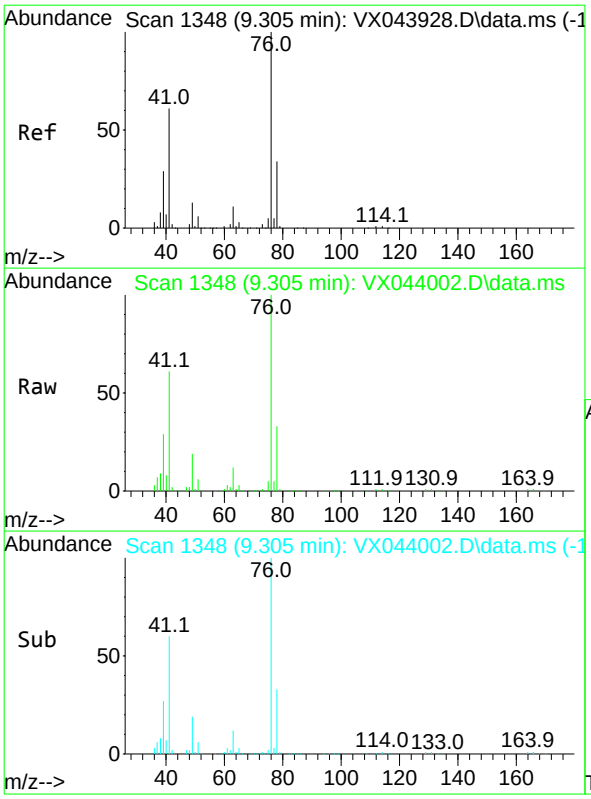


#56
Ethyl methacrylate
Concen: 48.673 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 69 Resp: 119993

Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	45.1	36.7	55.1

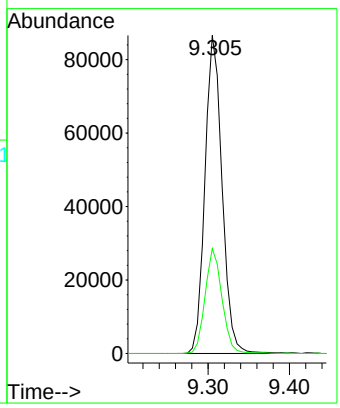




#57
1,3-Dichloropropane
Concen: 47.362 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 76 Resp: 126279

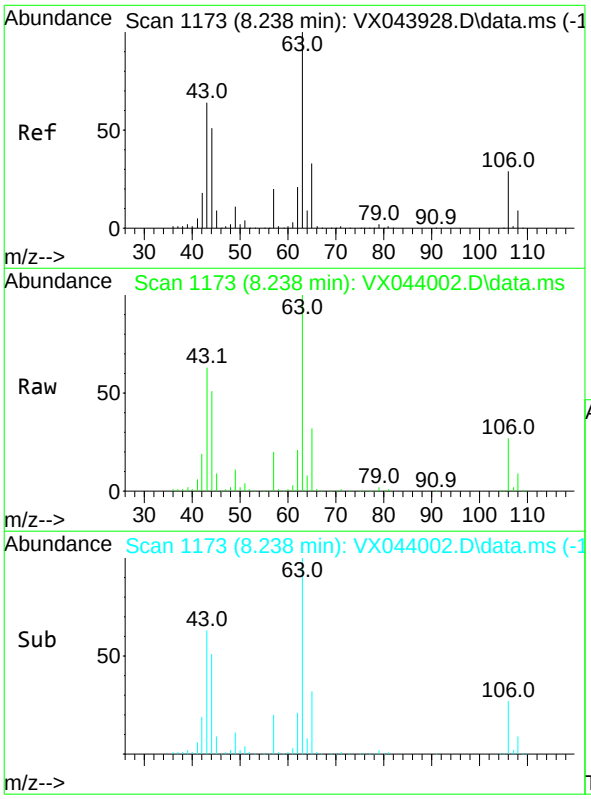
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

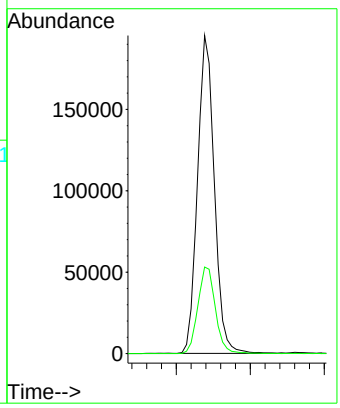
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

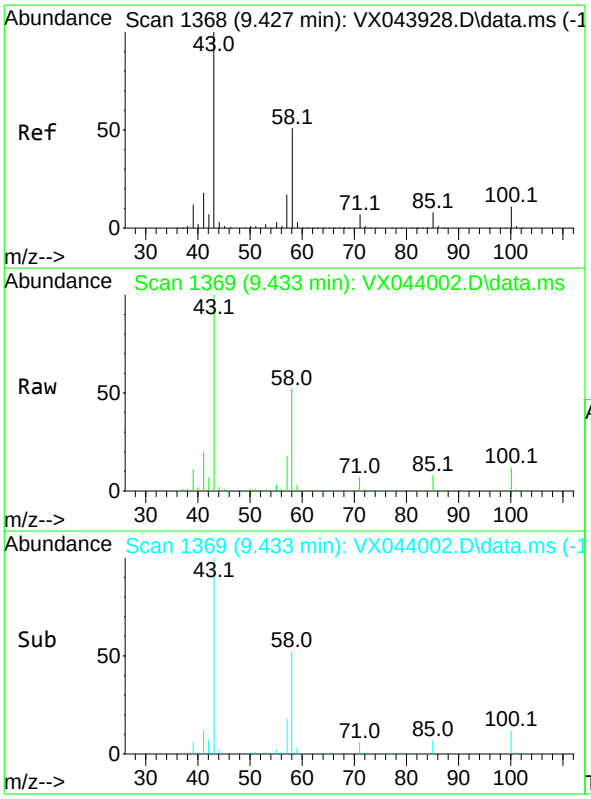


#58
2-Chloroethyl Vinyl ether
Concen: 227.585 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 307827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6

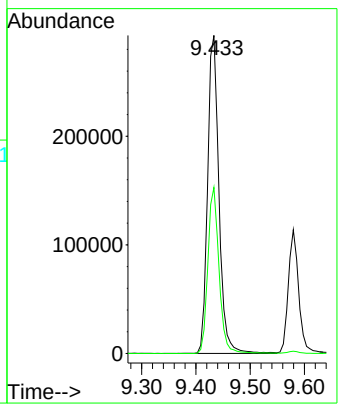




#59
2-Hexanone
Concen: 228.307 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 425456

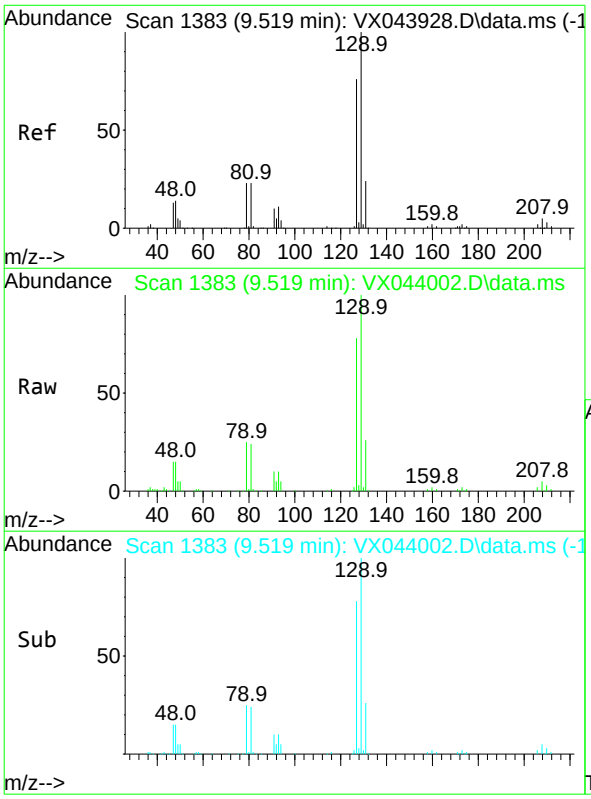
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

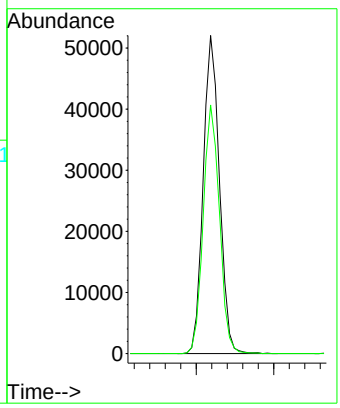
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

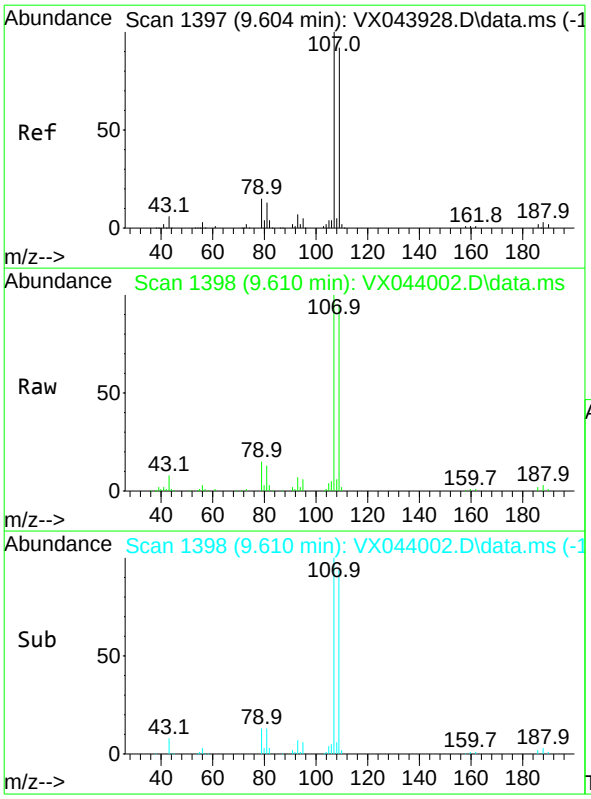


#60
Dibromochloromethane
Concen: 47.648 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:129 Resp: 75667

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.2	114.6

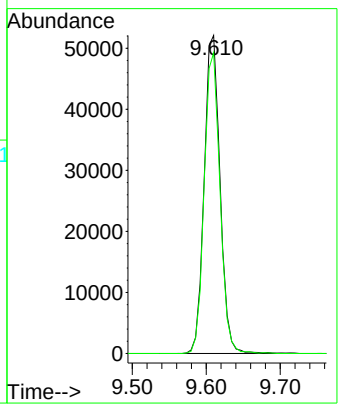




#61
1,2-Dibromoethane
Concen: 48.453 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:107 Resp: 77546

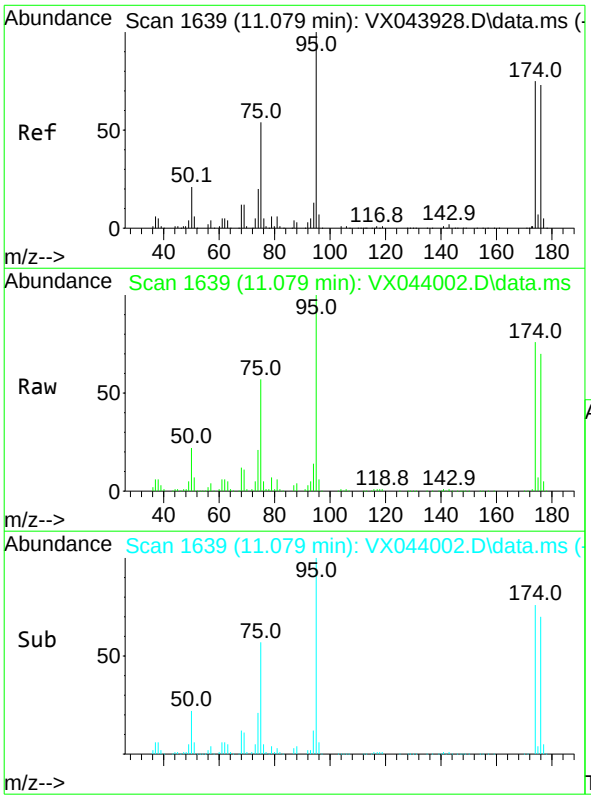
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

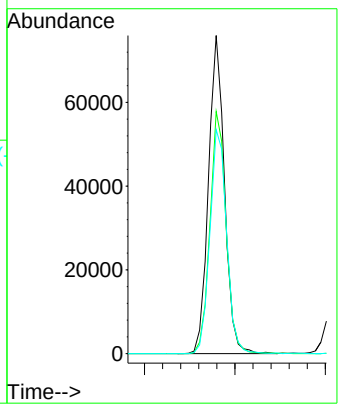
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

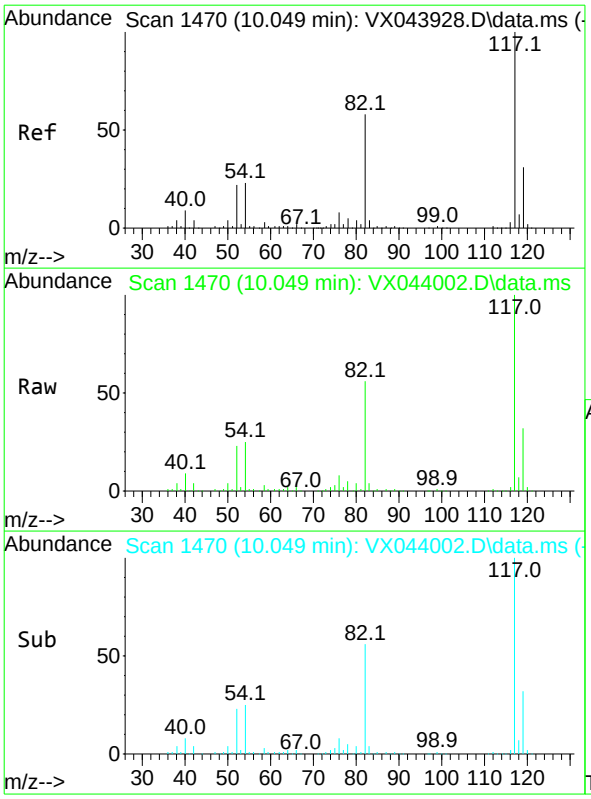


#62
4-Bromofluorobenzene
Concen: 48.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 95 Resp: 93312

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	150.4
176	73.4	0.0	146.0

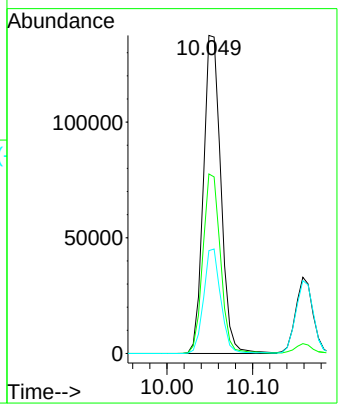




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 194454

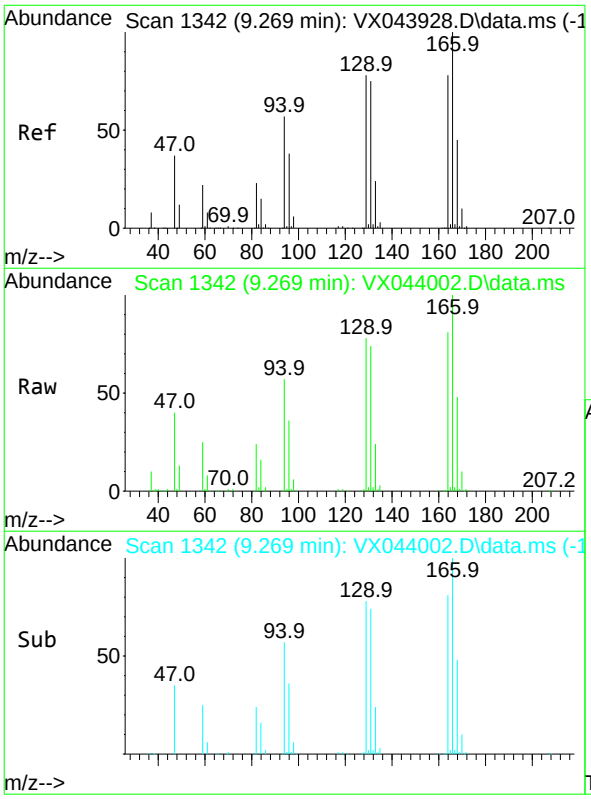
Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	32.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

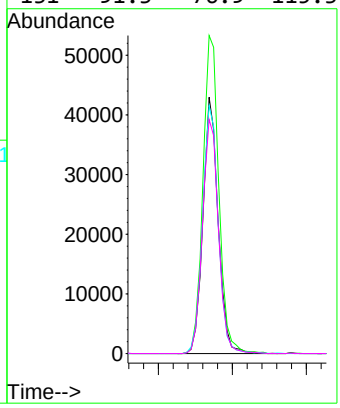
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

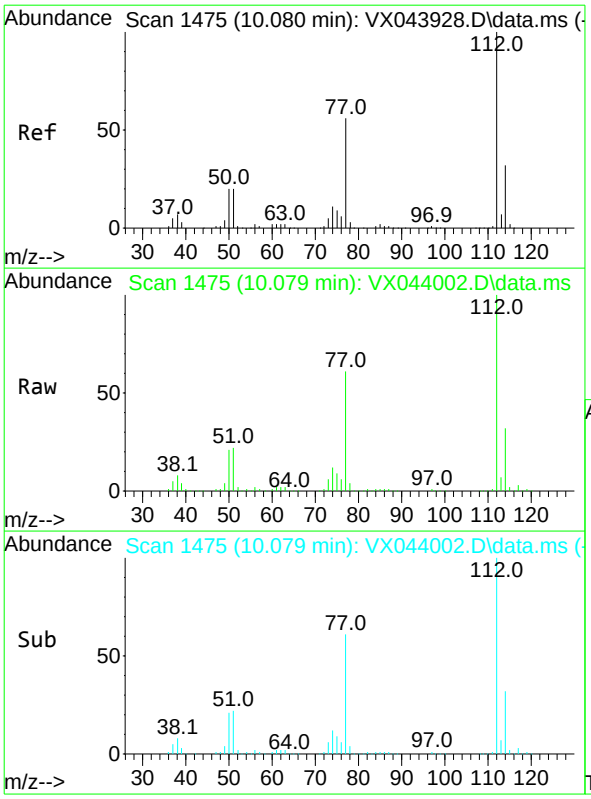


#64
Tetrachloroethene
Concen: 47.689 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:164 Resp: 61147

Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	96.8	79.6	119.4
131	91.3	76.9	115.3

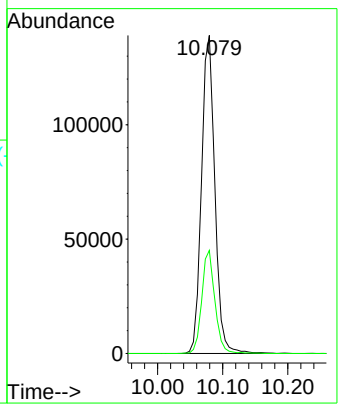




#65
Chlorobenzene
Concen: 46.431 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:112 Resp: 198294

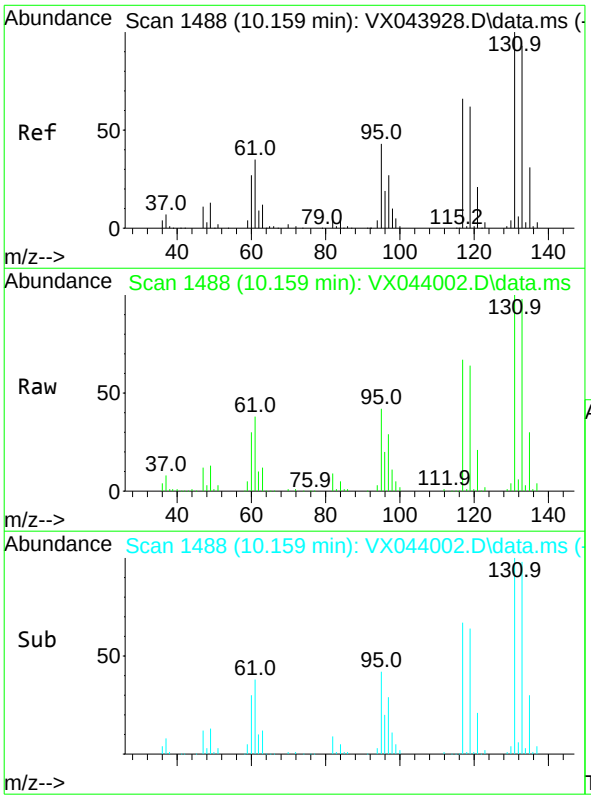
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

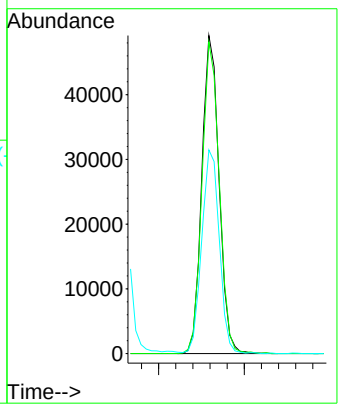
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

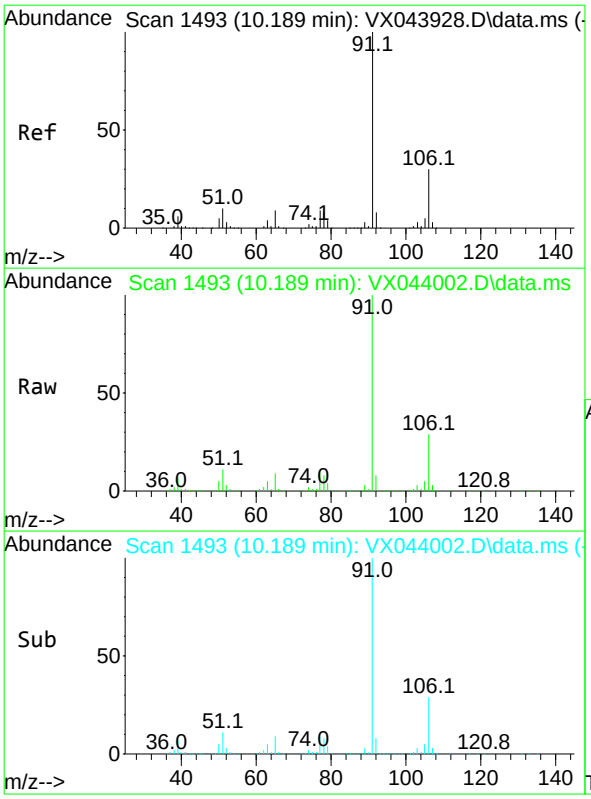


#66
1,1,1,2-Tetrachloroethane
Concen: 49.406 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:131 Resp: 68431

Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.2	144.6
119	65.5	31.5	94.5

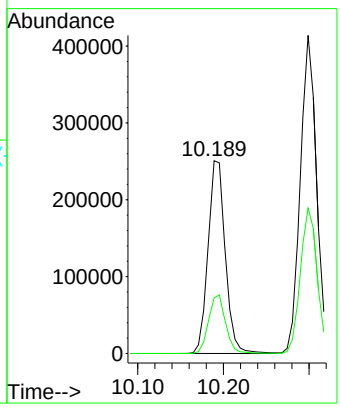




#67
Ethyl Benzene
Concen: 48.488 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 350901

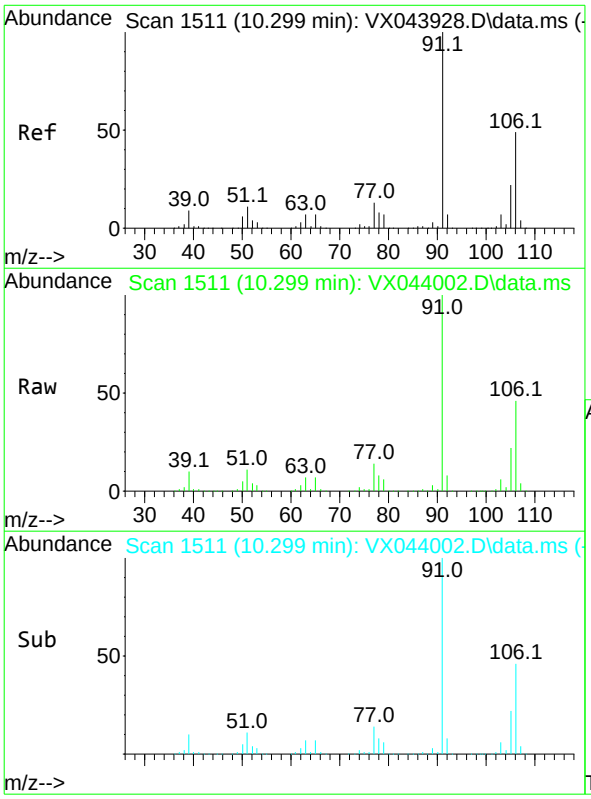
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

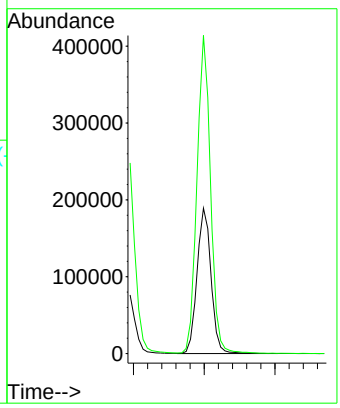
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

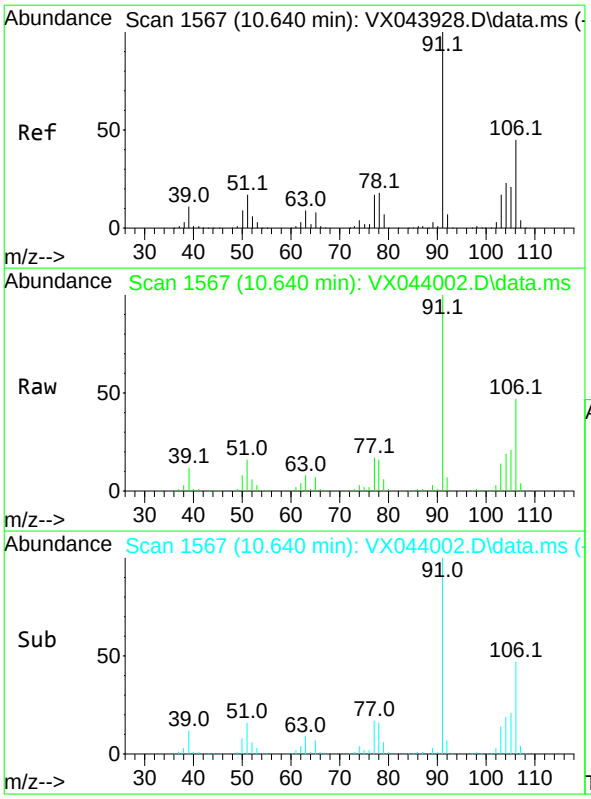


#68
m/p-Xylenes
Concen: 96.253 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:106 Resp: 259765

Ion	Ratio	Lower	Upper
106	100		
91	212.4	168.1	252.1

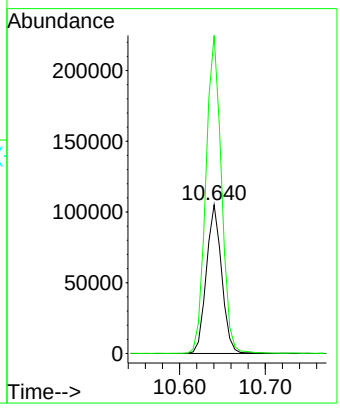




#69
o-Xylene
Concen: 49.529 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:106 Resp: 130506

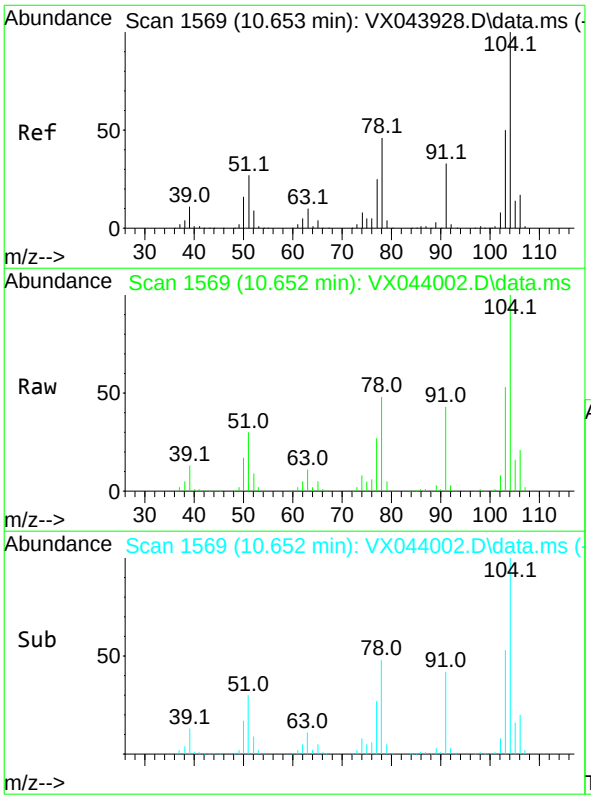
Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

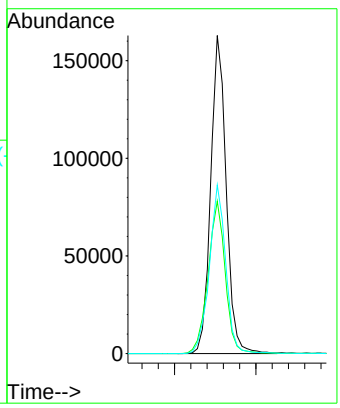
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

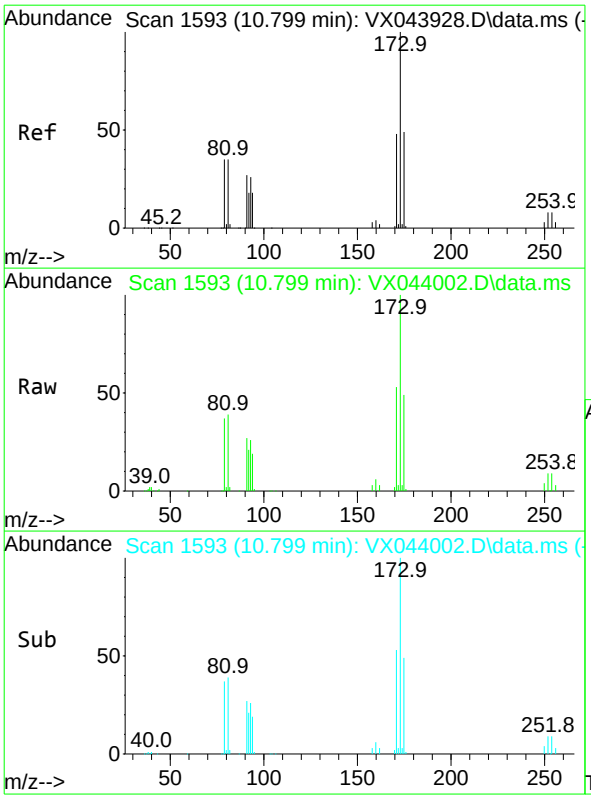


#70
Styrene
Concen: 49.457 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:104 Resp: 215539

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.2	63.2
103	56.3	44.7	67.1





#71
Bromoform
Concen: 43.484 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

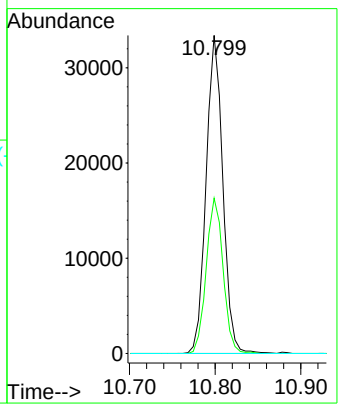
Tgt Ion:173 Resp: 45268

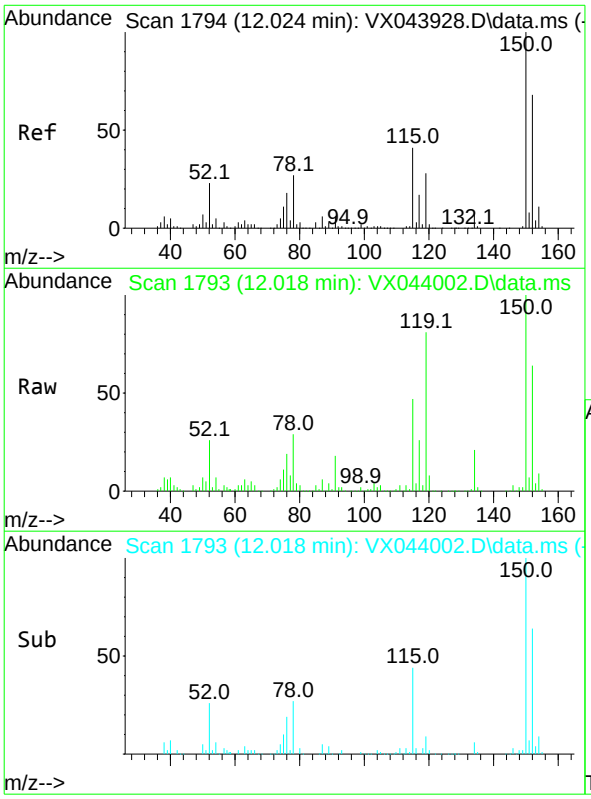
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

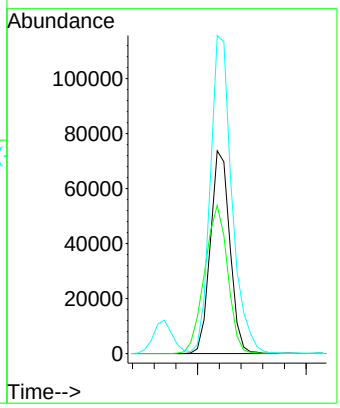


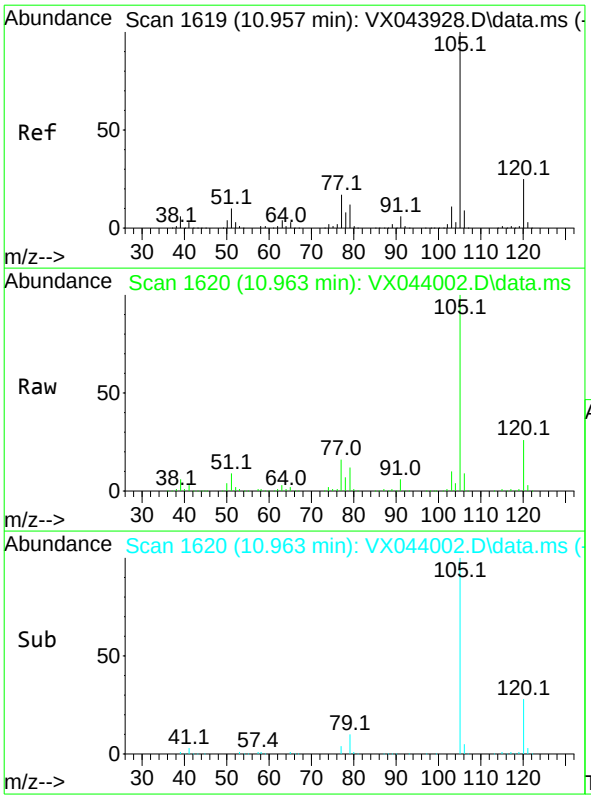


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:152 Resp: 92098

Ion	Ratio	Lower	Upper
152	100		
115	86.7	45.4	136.2
150	173.4	0.0	353.0

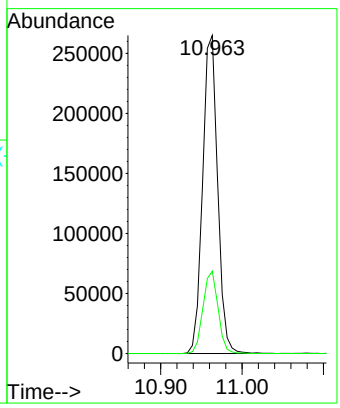




#73
Isopropylbenzene
Concen: 47.838 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 338668

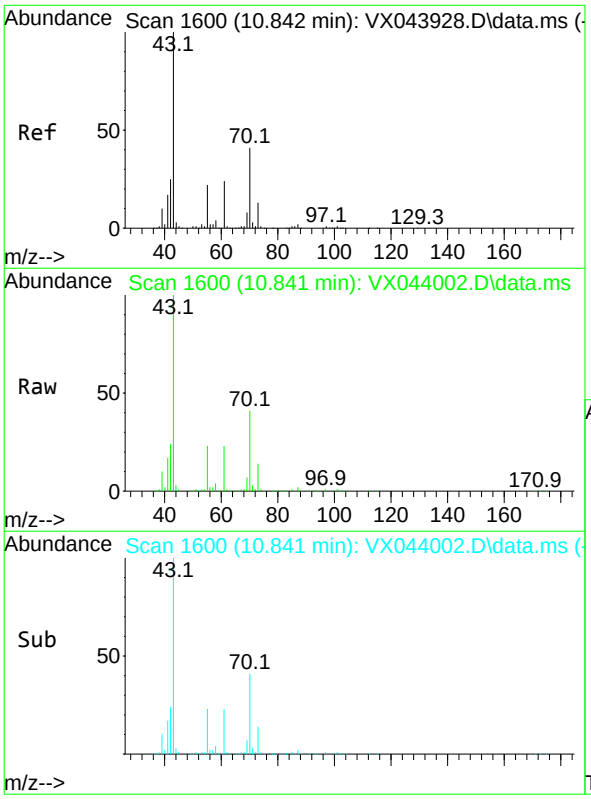
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

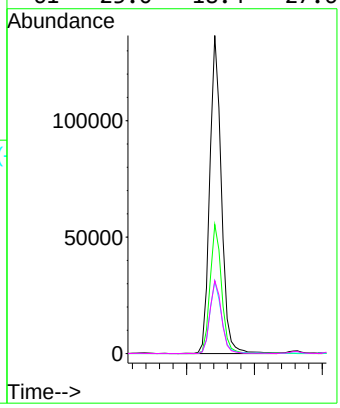
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

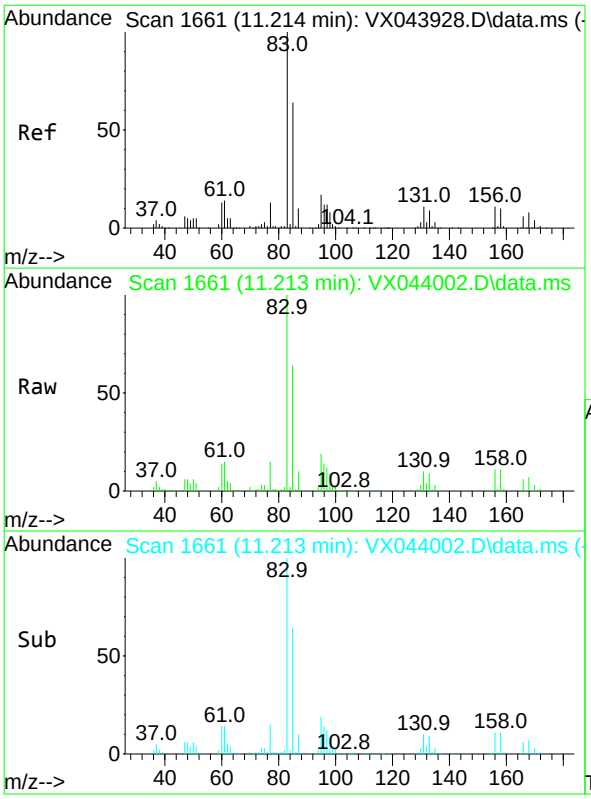


#74
N-amyl acetate
Concen: 49.487 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 162298

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.2	48.2
55	22.8	18.1	27.1
61	23.0	18.4	27.6

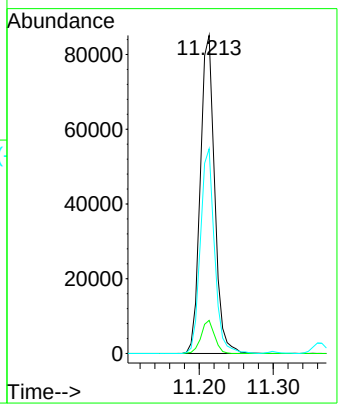




#75
1,1,2,2-Tetrachloroethane
Concen: 47.162 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 114325

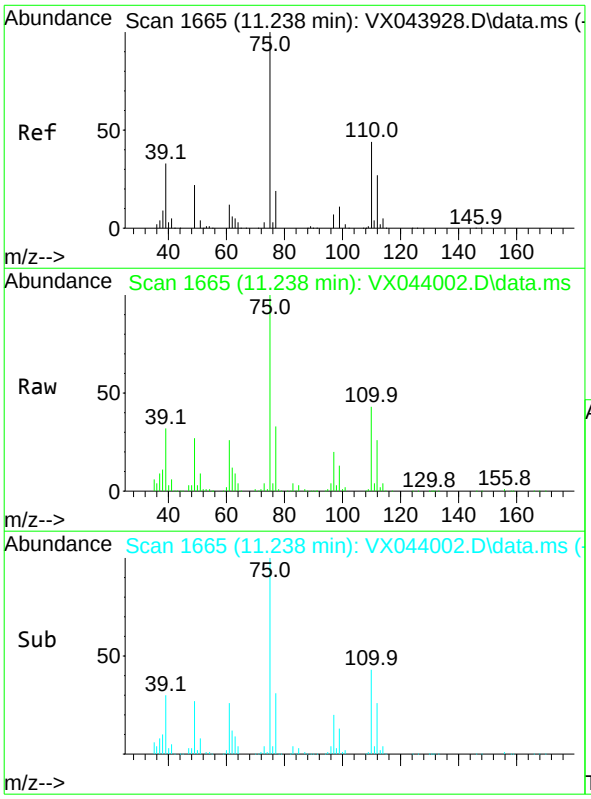
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.6	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

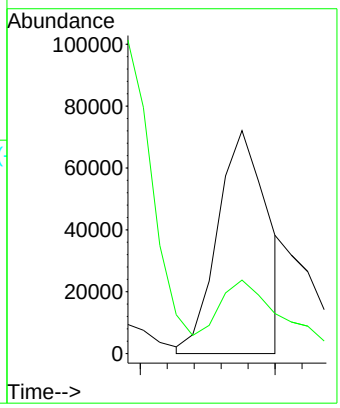
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

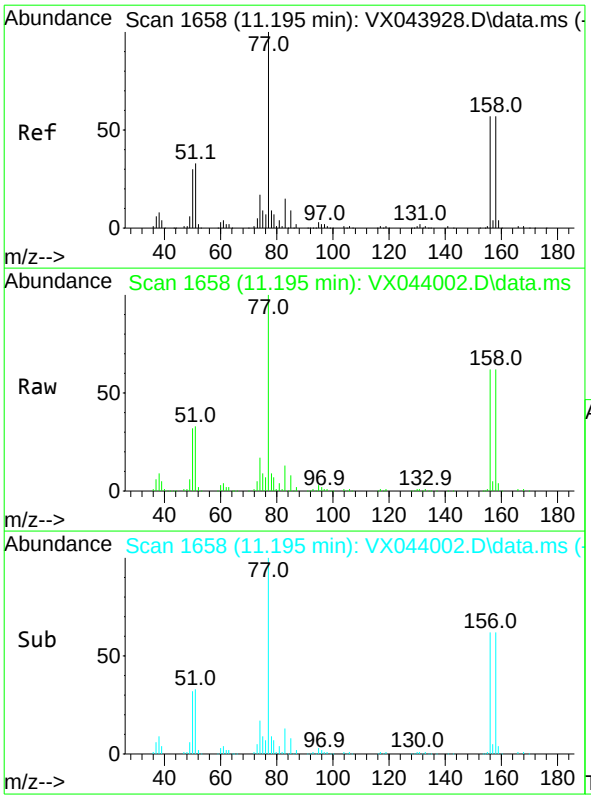


#76
1,2,3-Trichloropropane
Concen: 45.843 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 92588

Ion	Ratio	Lower	Upper
75	100		
77	43.4	21.8	65.3





#77
Bromobenzene
Concen: 47.012 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

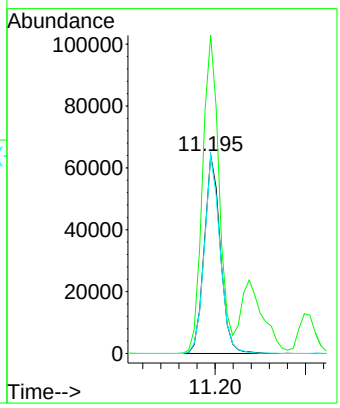
Tgt Ion:156 Resp: 79395

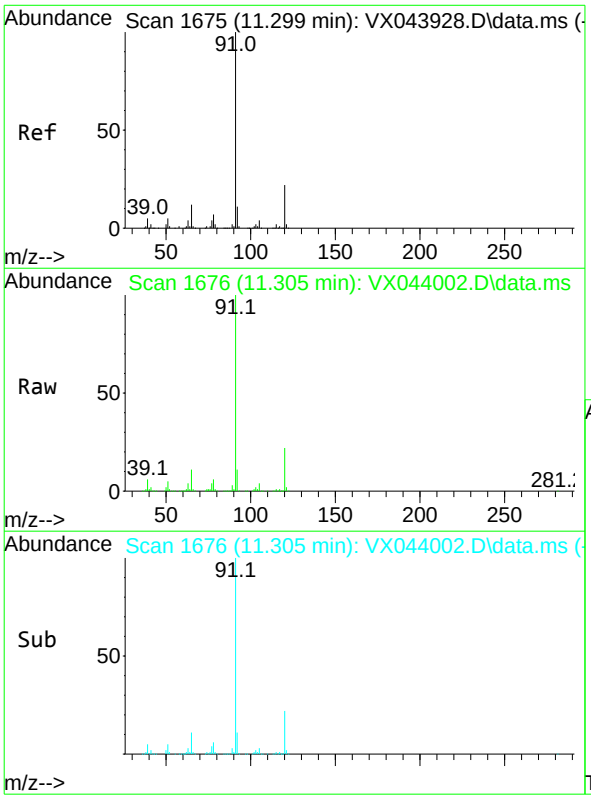
Ion	Ratio	Lower	Upper
156	100		
77	164.7	83.4	250.1
158	98.4	47.6	142.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

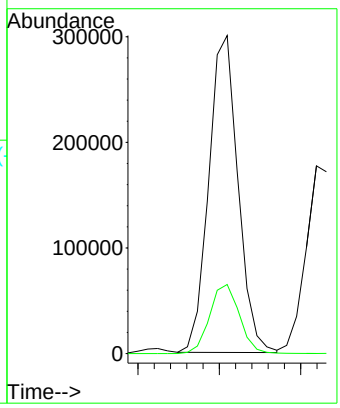


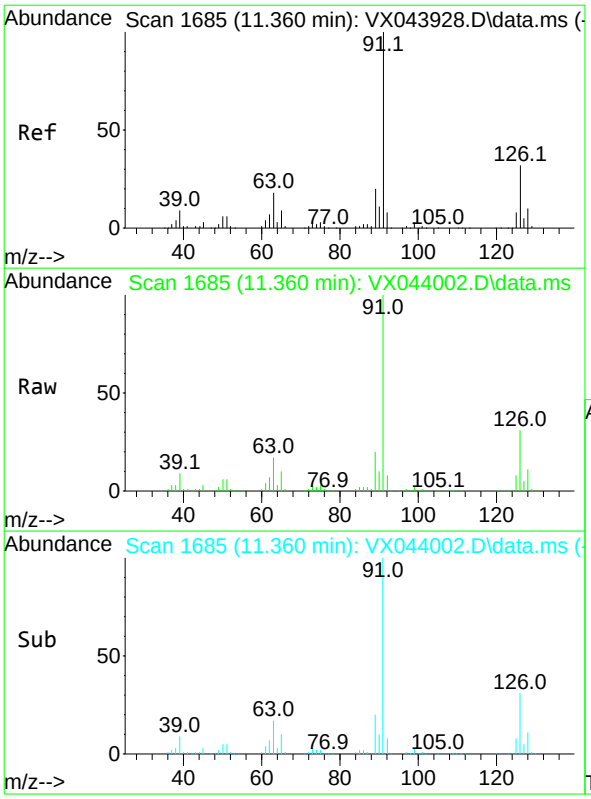


#78
n-propylbenzene
Concen: 47.443 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 375124

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4

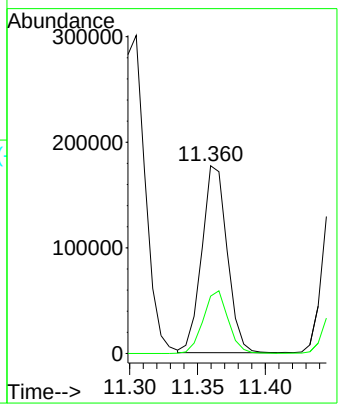




#79
2-Chlorotoluene
Concen: 46.093 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 230455

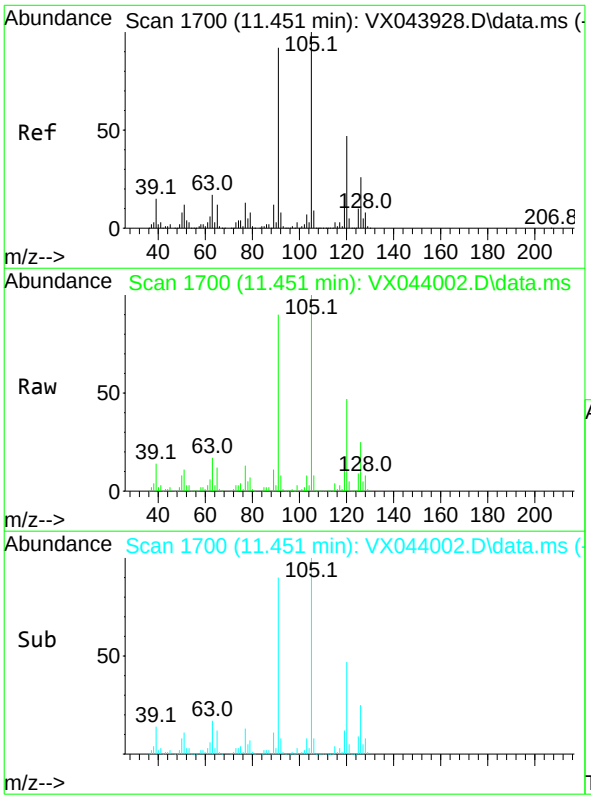
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

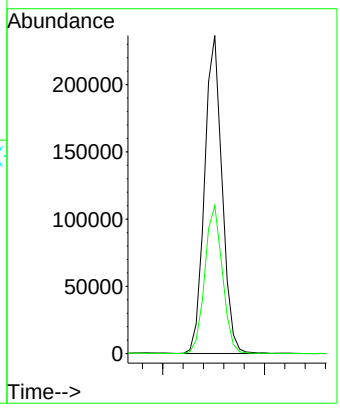
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

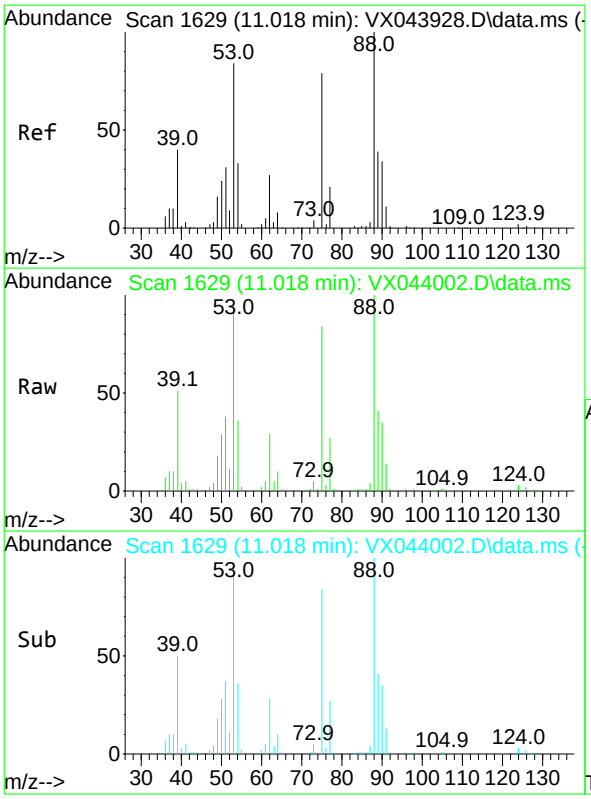


#80
1,3,5-Trimethylbenzene
Concen: 48.515 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 282567

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8

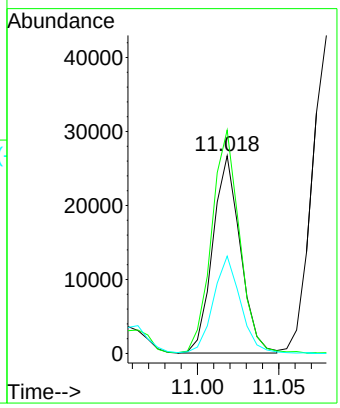




#81
trans-1,4-Dichloro-2-butene
Concen: 42.379 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 31367

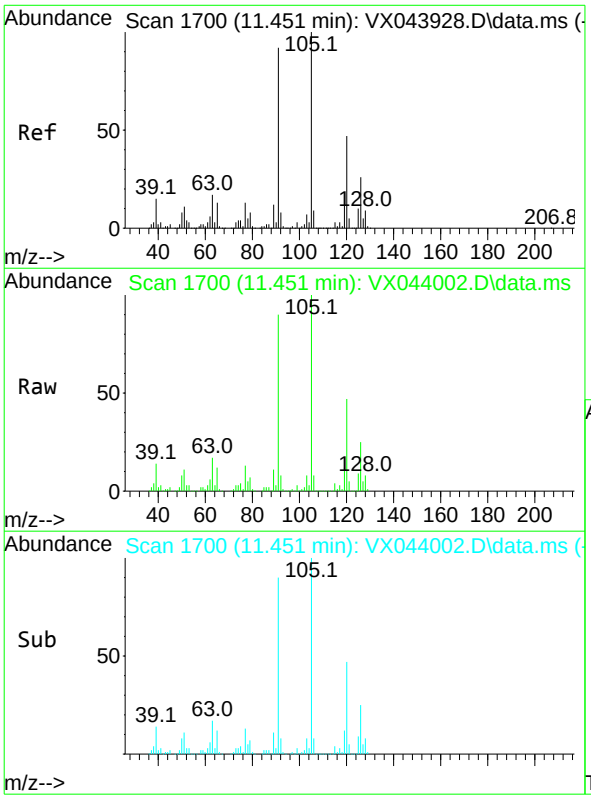
Ion	Ratio	Lower	Upper
75	100		
53	114.3	86.7	130.1
89	49.1	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

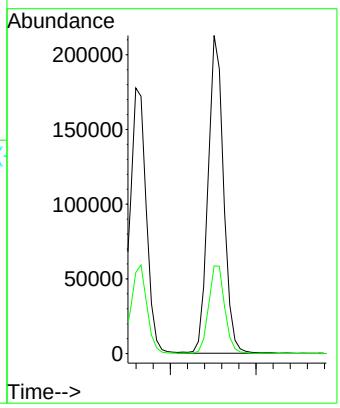
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

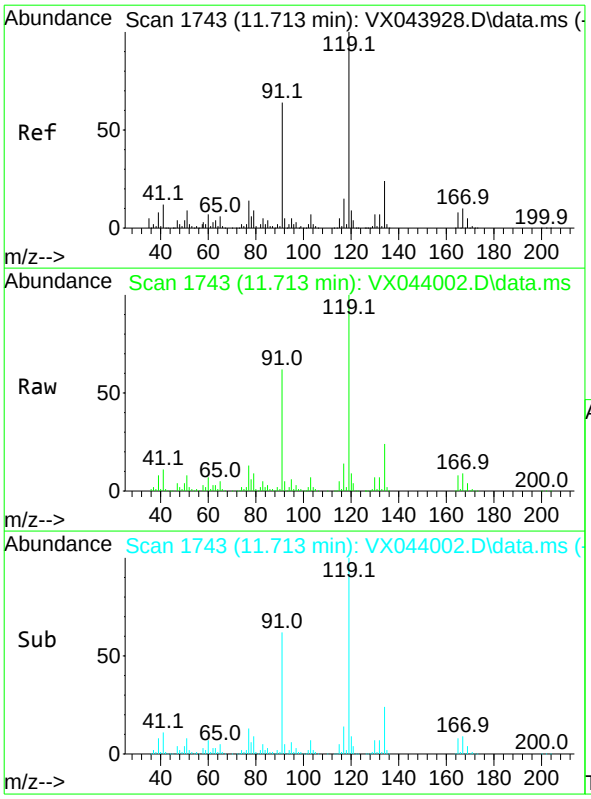


#82
4-Chlorotoluene
Concen: 47.210 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 266480

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9

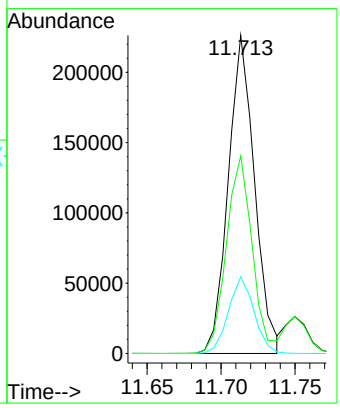




#83
tert-Butylbenzene
Concen: 48.465 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:119 Resp: 279783

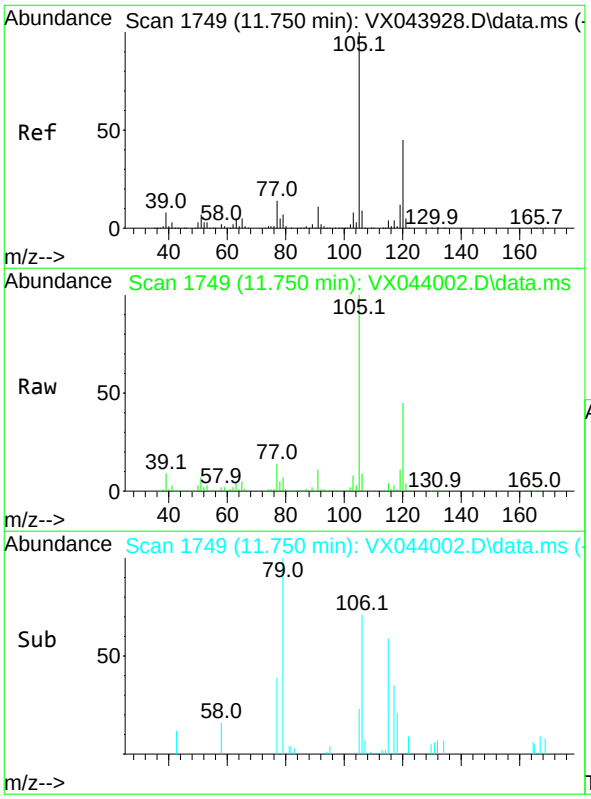
Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.0	93.0
134	23.5	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

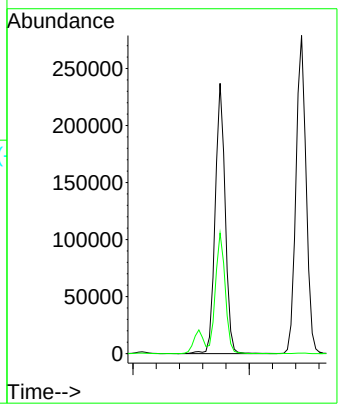
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

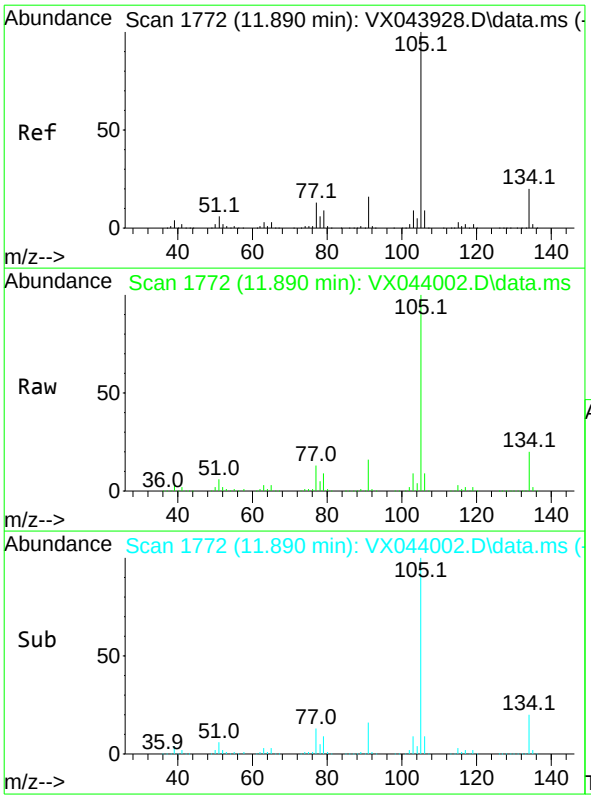


#84
1,2,4-Trimethylbenzene
Concen: 48.618 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 281922

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7

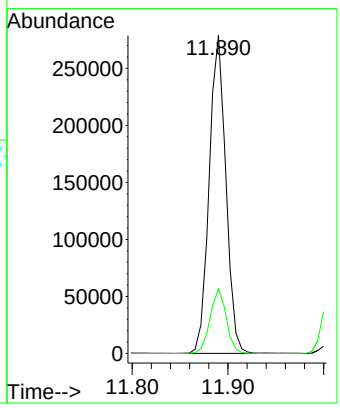




#85
sec-Butylbenzene
Concen: 47.629 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 336886

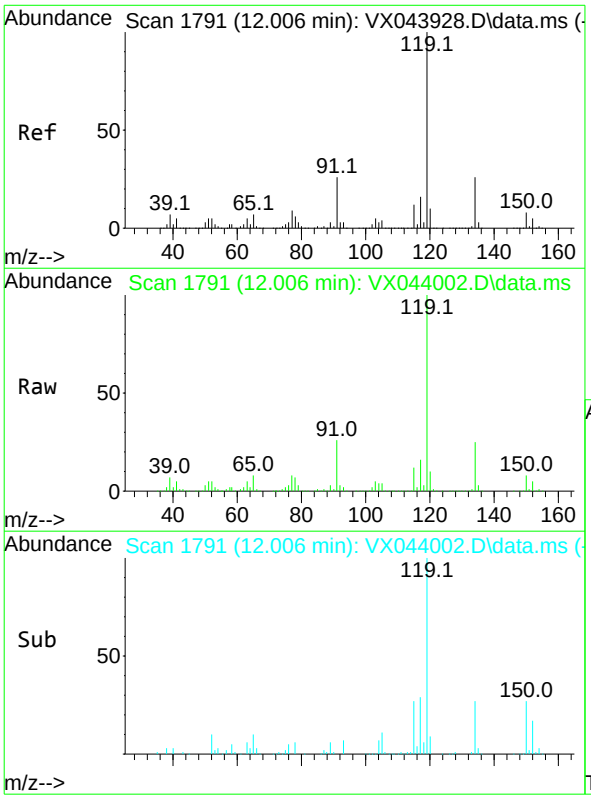
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

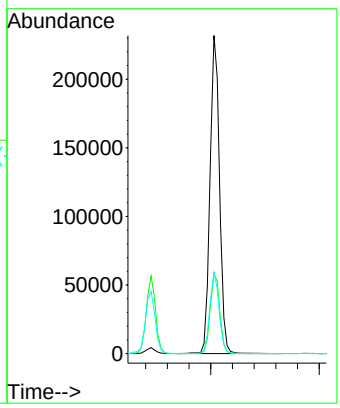
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

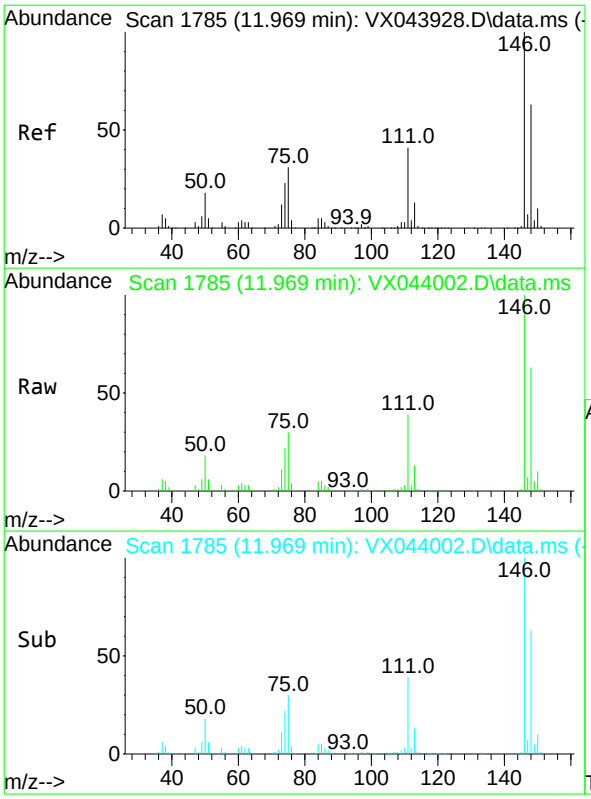


#86
p-Isopropyltoluene
Concen: 49.100 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:119 Resp: 282100

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	38.9
91	25.2	13.0	38.9

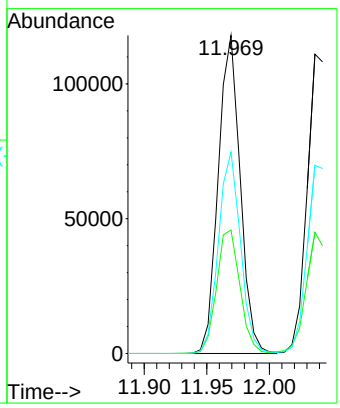




#87
1,3-Dichlorobenzene
Concen: 46.833 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:146 Resp: 144052

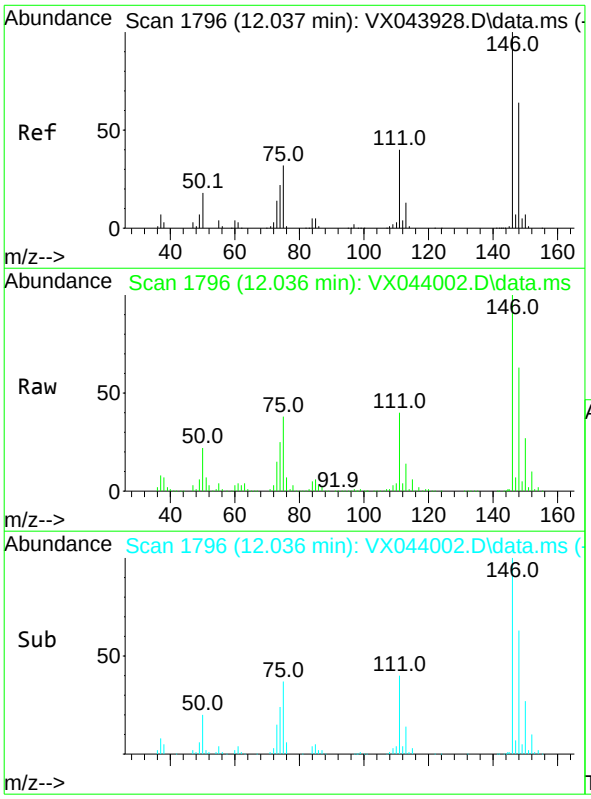
Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

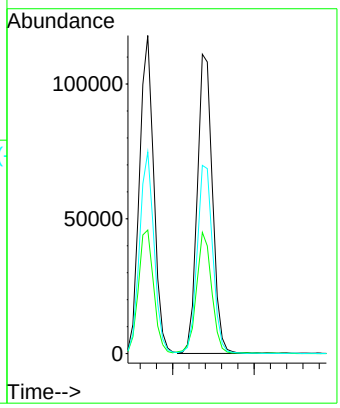
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

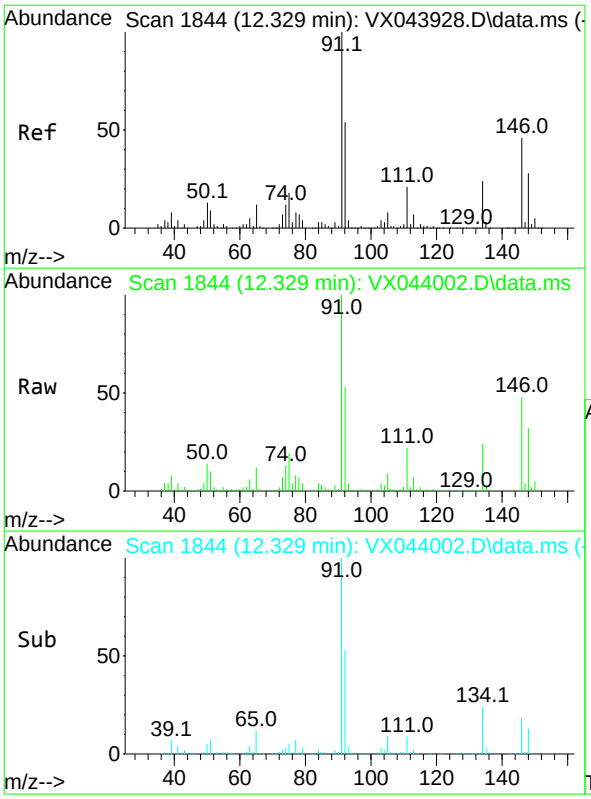


#88
1,4-Dichlorobenzene
Concen: 45.963 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:146 Resp: 144135

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.1	30.9	92.8

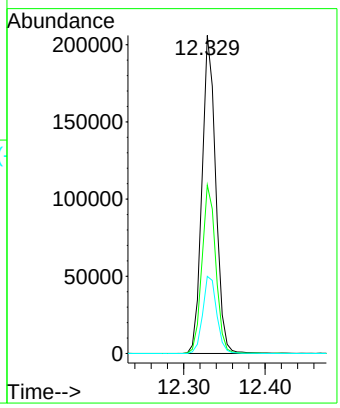




#89
n-Butylbenzene
Concen: 47.613 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 241187

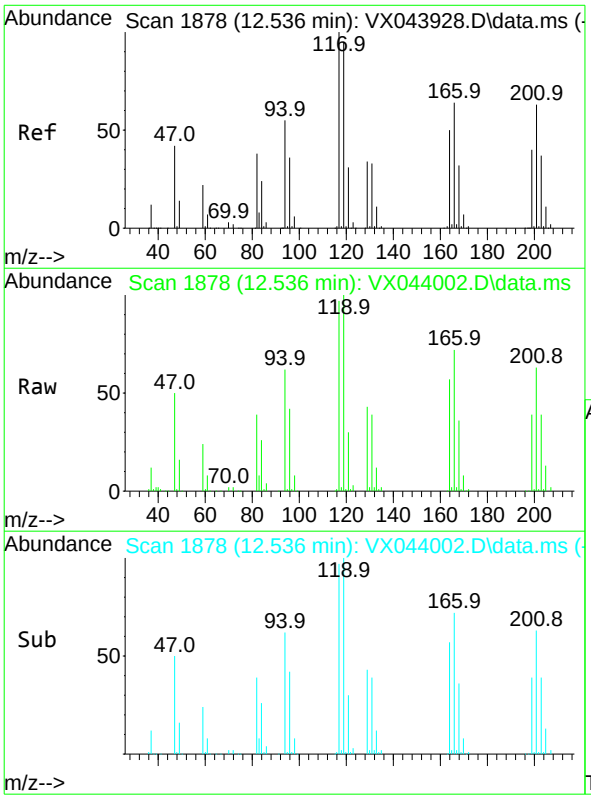
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

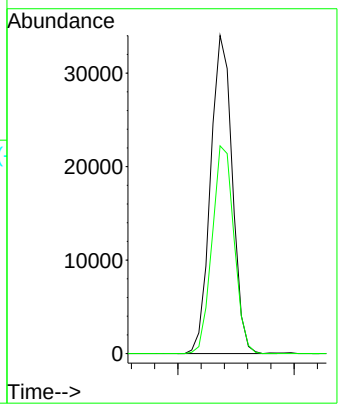
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

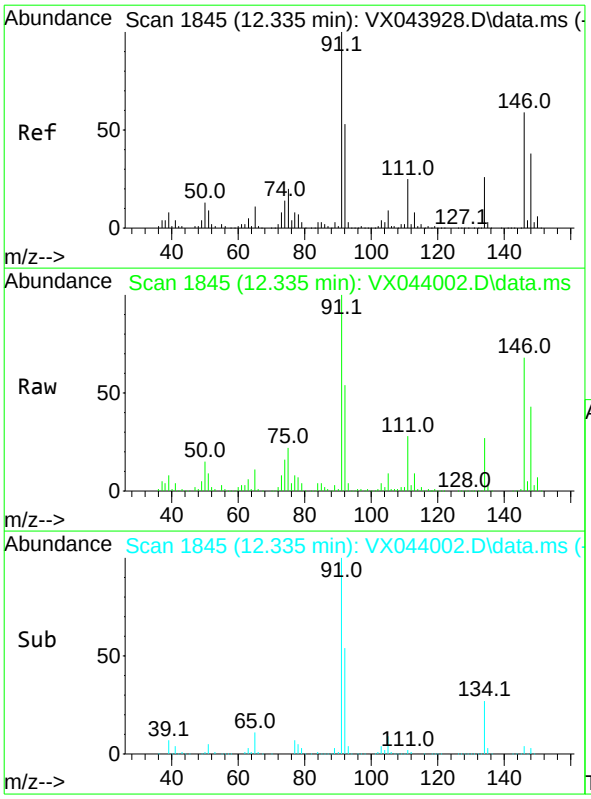


#90
Hexachloroethane
Concen: 45.341 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 44297

Ion	Ratio	Lower	Upper
117	100		
201	65.9	32.4	97.0

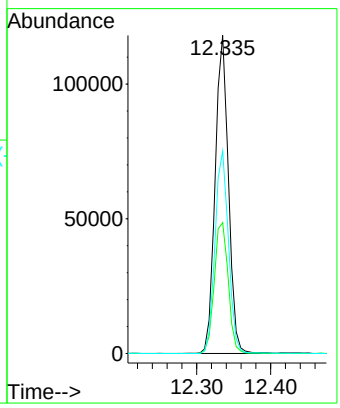




#91
1,2-Dichlorobenzene
Concen: 47.496 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:146 Resp: 147432

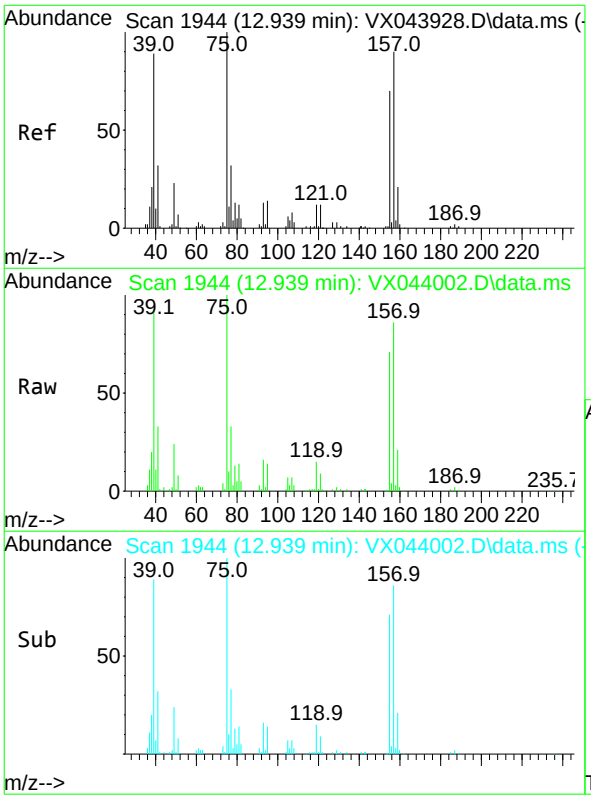
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

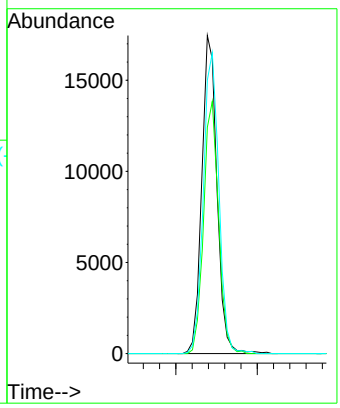
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

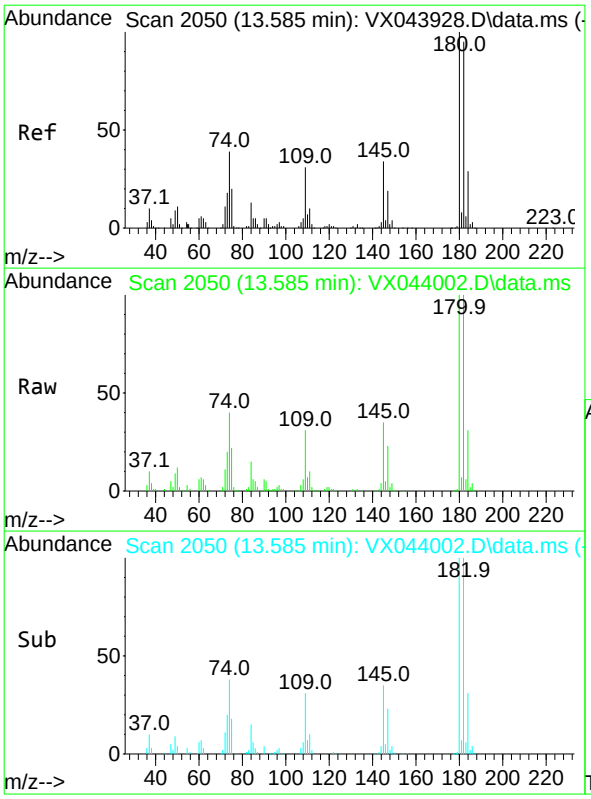


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.434 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 22554

Ion	Ratio	Lower	Upper
75	100		
155	78.3	40.1	120.2
157	97.0	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 45.372 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

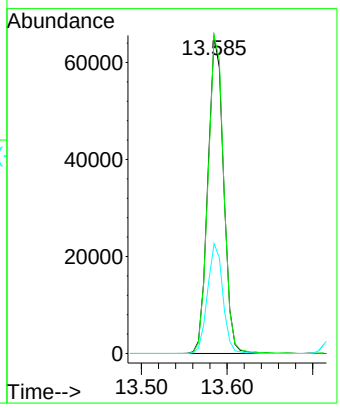
Tgt Ion:180 Resp: 83033

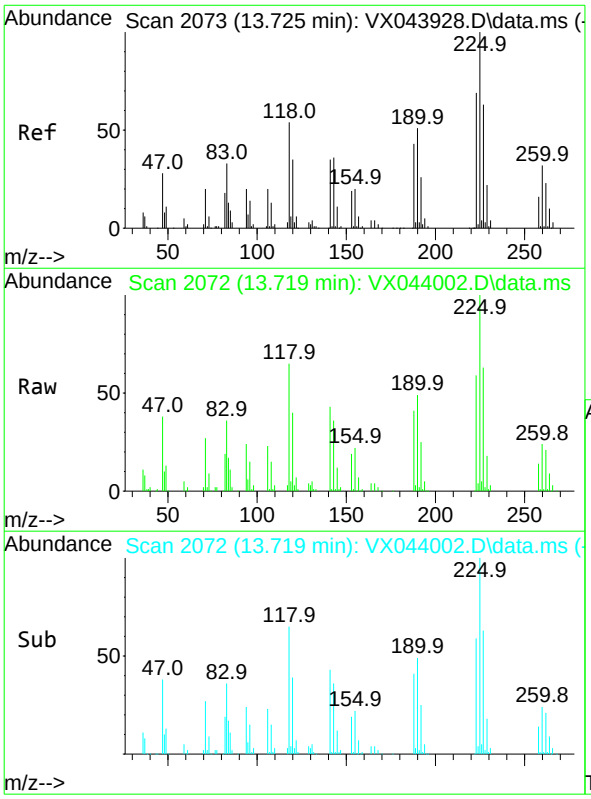
Ion	Ratio	Lower	Upper
180	100		
182	100.3	48.0	144.2
145	34.0	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

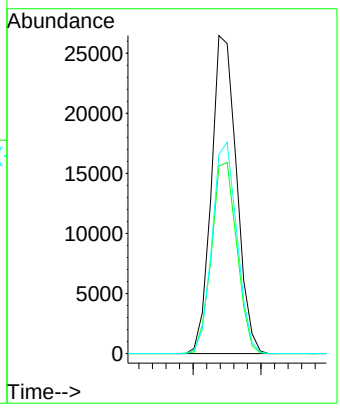


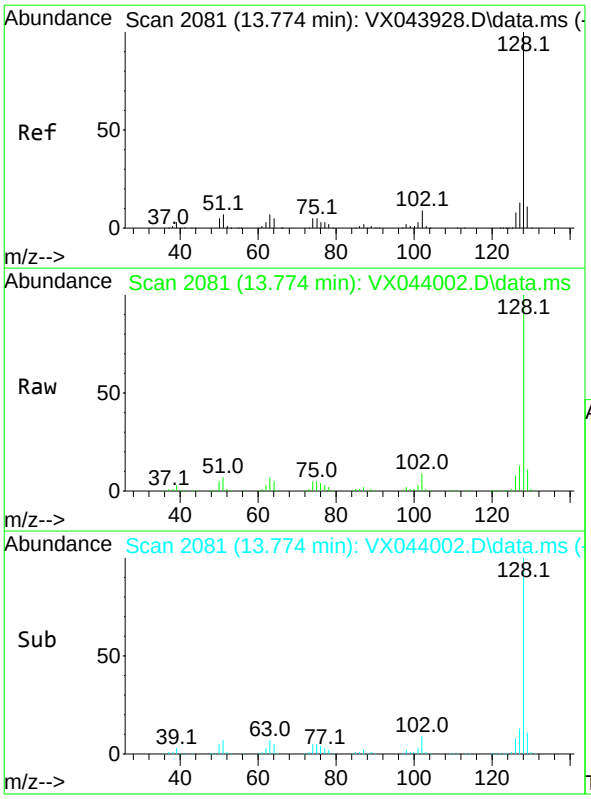


#94
Hexachlorobutadiene
Concen: 47.196 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:225 Resp: 34135

Ion	Ratio	Lower	Upper
225	100		
223	60.3	32.9	98.6
227	65.4	31.6	94.8

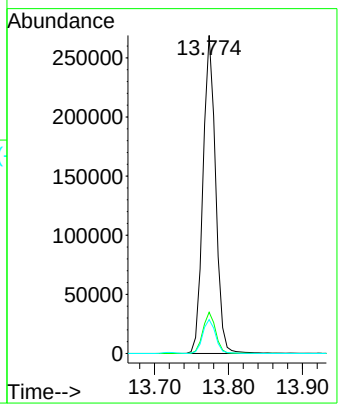




#95
Naphthalene
Concen: 48.261 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:128 Resp: 317925

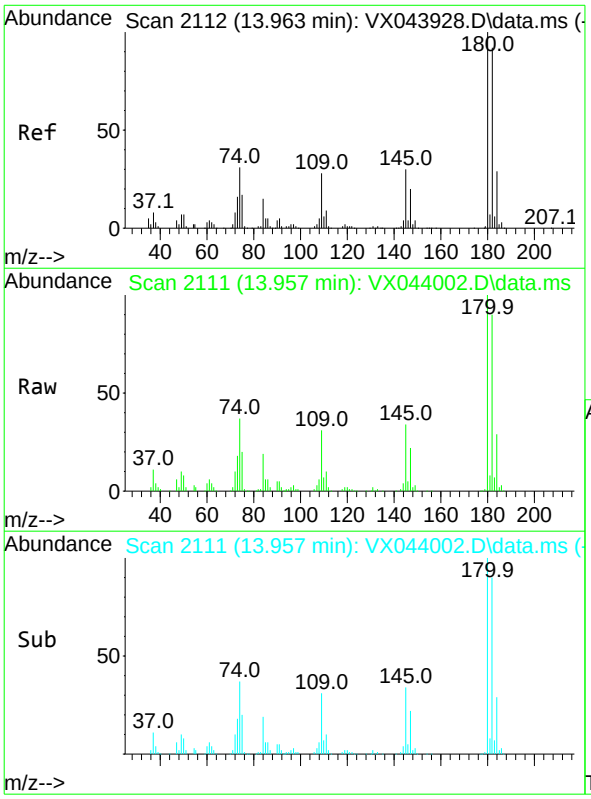
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

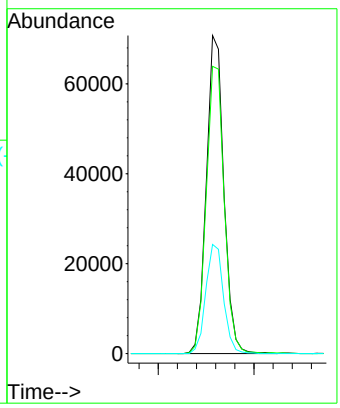
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.432 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:180 Resp: 89710

Ion	Ratio	Lower	Upper
180	100		
182	93.1	45.6	136.8
145	34.8	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.633	0.558	11.8	75	0.00
3	P	Chloromethane	0.667	0.617	7.5	81	0.00
4	C	Vinyl Chloride	0.709	0.635	10.4#	77	0.00
5	T	Bromomethane	0.436	0.412	5.5	85	0.00
6	T	Chloroethane	0.432	0.363	16.0	73	0.00
7	T	Trichlorofluoromethane	1.268	1.302	-2.7	88	0.00
8	T	Diethyl Ether	0.462	0.435	5.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.538	11.1	75	0.00
10	T	Methyl Iodide	0.755	0.722	4.4	82	0.00
11	T	Tert butyl alcohol	0.138	0.118	14.5	75	0.01
12	CM	1,1-Dichloroethene	0.576	0.522	9.4#	80	0.00
13	T	Acrolein	0.145	0.128	11.7	81	0.00
14	T	Allyl chloride	0.941	0.872	7.3	77	0.00
15	T	Acrylonitrile	0.335	0.306	8.7	76	0.00
16	T	Acetone	0.394	0.286	27.4#	62	0.00
17	T	Carbon Disulfide	1.188	0.966	18.7	69	0.00
18	T	Methyl Acetate	0.917	0.852	7.1	79	0.00
19	T	Methyl tert-butyl Ether	2.092	2.023	3.3	82	0.00
20	T	Methylene Chloride	0.668	0.613	8.2	84	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.551	7.4	80	0.00
22	T	Diisopropyl ether	2.013	1.953	3.0	83	0.00
23	T	Vinyl Acetate	1.722	1.675	2.7	79	0.00
24	P	1,1-Dichloroethane	1.161	1.123	3.3	82	0.00
25	T	2-Butanone	0.508	0.440	13.4	71	0.00
26	T	2,2-Dichloropropane	1.049	0.887	15.4	71	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.689	6.3	80	0.00
28	T	Bromochloromethane	0.511	0.474	7.2	97	0.00
29	T	Tetrahydrofuran	0.312	0.280	10.3	76	0.00
30	C	Chloroform	1.249	1.211	3.0#	85	0.01
31	T	Cyclohexane	0.956	0.867	9.3	77	0.00
32	T	1,1,1-Trichloroethane	1.077	1.072	0.5	83	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.851	0.8	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.357	0.350	2.0	102	0.00
36	T	1,1-Dichloropropene	0.445	0.421	5.4	81	0.00
37	T	Ethyl Acetate	0.553	0.489	11.6	77	0.01
38	T	Carbon Tetrachloride	0.500	0.466	6.8	80	0.00
39	T	Methylcyclohexane	0.578	0.500	13.5	73	0.00
40	TM	Benzene	1.387	1.309	5.6	84	0.00
41	T	Methacrylonitrile	0.283	0.259	8.5	75	0.00
42	TM	1,2-Dichloroethane	0.557	0.526	5.6	83	0.00
43	T	Isopropyl Acetate	0.880	0.810	8.0	79	0.00
44	TM	Trichloroethene	0.393	0.324	17.6	83	0.00
45	C	1,2-Dichloropropane	0.340	0.329	3.2#	85	0.00
46	T	Dibromomethane	0.269	0.264	1.9	86	0.00
47	T	Bromodichloromethane	0.482	0.472	2.1	83	0.00
48	T	Methyl methacrylate	0.422	0.389	7.8	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.006	25.0	69	0.01
50	S	Toluene-d8	1.232	1.189	3.5	103	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.500	6.9	79	0.00
52	CM	Toluene	0.830	0.798	3.9#	83	0.00
53	T	t-1,3-Dichloropropene	0.491	0.463	5.7	78	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.504	6.5	79	0.00
55	T	1,1,2-Trichloroethane	0.343	0.319	7.0	82	0.00
56	T	Ethyl methacrylate	0.534	0.520	2.6	81	0.00
57	T	1,3-Dichloropropane	0.577	0.547	5.2	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.267	2.2	83	0.00
59	T	2-Hexanone	0.403	0.368	8.7	75	0.00
60	T	Dibromochloromethane	0.344	0.328	4.7	79	0.00
61	T	1,2-Dibromoethane	0.346	0.336	2.9	83	0.00
62	S	4-Bromofluorobenzene	0.419	0.404	3.6	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.330	0.314	4.8	82	0.00
65	PM	Chlorobenzene	1.098	1.020	7.1	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.352	1.1	82	0.00
67	C	Ethyl Benzene	1.861	1.805	3.0#	82	0.00
68	T	m/p-Xylenes	0.694	0.668	3.7	80	0.00
69	T	o-Xylene	0.678	0.671	1.0	81	0.00
70	T	Styrene	1.121	1.108	1.2	80	0.00
71	P	Bromoform	0.240	0.233	2.9	75	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.843	3.677	4.3	82	0.00
74	T	N-amyl acetate	1.780	1.762	1.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.241	5.7	82	0.00
76	T	1,2,3-Trichloropropane	1.096	1.005	8.3	78	0.00
77	T	Bromobenzene	0.917	0.862	6.0	81	0.00
78	T	n-propylbenzene	4.293	4.073	5.1	79	0.00
79	T	2-Chlorotoluene	2.714	2.502	7.8	80	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.068	3.0	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.341	15.2	71	0.00
82	T	4-Chlorotoluene	3.064	2.893	5.6	80	0.00
83	T	tert-Butylbenzene	3.134	3.038	3.1	81	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.061	2.8	82	0.00
85	T	sec-Butylbenzene	3.840	3.658	4.7	79	0.00
86	T	p-Isopropyltoluene	3.119	3.063	1.8	80	0.00
87	T	1,3-Dichlorobenzene	1.670	1.564	6.3	81	0.00
88	T	1,4-Dichlorobenzene	1.702	1.565	8.0	81	0.00
89	T	n-Butylbenzene	2.750	2.619	4.8	76	0.00
90	T	Hexachloroethane	0.530	0.481	9.2	75	0.00
91	T	1,2-Dichlorobenzene	1.685	1.601	5.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.245	7.2	79	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.902	9.3	76	0.00
94	T	Hexachlorobutadiene	0.393	0.371	5.6	83	0.00
95	T	Naphthalene	3.576	3.452	3.5	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.974	3.2	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	44.038	11.9	75	0.00
3	P	Chloromethane	50.000	46.313	7.4	81	0.00
4	C	Vinyl Chloride	50.000	44.790	10.4#	77	0.00
5	T	Bromomethane	50.000	47.193	5.6	85	0.00
6	T	Chloroethane	50.000	42.008	16.0	73	0.00
7	T	Trichlorofluoromethane	50.000	51.343	-2.7	88	0.00
8	T	Diethyl Ether	50.000	47.026	5.9	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.482	11.0	75	0.00
10	T	Methyl Iodide	50.000	47.774	4.5	82	0.00
11	T	Tert butyl alcohol	250.000	214.153	14.3	75	0.01
12	CM	1,1-Dichloroethene	50.000	45.277	9.4#	80	0.00
13	T	Acrolein	250.000	220.005	12.0	81	0.00
14	T	Allyl chloride	50.000	46.334	7.3	77	0.00
15	T	Acrylonitrile	250.000	227.931	8.8	76	0.00
16	T	Acetone	250.000	181.348	27.5#	62	0.00
17	T	Carbon Disulfide	50.000	40.633	18.7	69	0.00
18	T	Methyl Acetate	50.000	46.459	7.1	79	0.00
19	T	Methyl tert-butyl Ether	50.000	48.344	3.3	82	0.00
20	T	Methylene Chloride	50.000	45.823	8.4	84	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.341	7.3	80	0.00
22	T	Diisopropyl ether	50.000	48.501	3.0	83	0.00
23	T	Vinyl Acetate	250.000	243.229	2.7	79	0.00
24	P	1,1-Dichloroethane	50.000	48.335	3.3	82	0.00
25	T	2-Butanone	250.000	216.431	13.4	71	0.00
26	T	2,2-Dichloropropane	50.000	42.282	15.4	71	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.860	6.3	80	0.00
28	T	Bromochloromethane	50.000	46.403	7.2	97	0.00
29	T	Tetrahydrofuran	250.000	224.316	10.3	76	0.00
30	C	Chloroform	50.000	48.472	3.1#	85	0.01
31	T	Cyclohexane	50.000	45.330	9.3	77	0.00
32	T	1,1,1-Trichloroethane	50.000	49.746	0.5	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.603	0.8	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	49.008	2.0	102	0.00
36	T	1,1-Dichloropropene	50.000	47.258	5.5	81	0.00
37	T	Ethyl Acetate	50.000	44.263	11.5	77	0.01
38	T	Carbon Tetrachloride	50.000	46.611	6.8	80	0.00
39	T	Methylcyclohexane	50.000	43.198	13.6	73	0.00
40	TM	Benzene	50.000	47.188	5.6	84	0.00
41	T	Methacrylonitrile	50.000	45.746	8.5	75	0.00
42	TM	1,2-Dichloroethane	50.000	47.224	5.6	83	0.00
43	T	Isopropyl Acetate	50.000	46.041	7.9	79	0.00
44	TM	Trichloroethene	50.000	41.321	17.4	83	0.00
45	C	1,2-Dichloropropane	50.000	48.403	3.2#	85	0.00
46	T	Dibromomethane	50.000	49.045	1.9	86	0.00
47	T	Bromodichloromethane	50.000	48.953	2.1	83	0.00
48	T	Methyl methacrylate	50.000	46.134	7.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	777.017	22.3	69	0.01
50	S	Toluene-d8	50.000	48.276	3.4	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	232.731	6.9	79	0.00
52	CM	Toluene	50.000	48.090	3.8#	83	0.00
53	T	t-1,3-Dichloropropene	50.000	47.064	5.9	78	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.816	6.4	79	0.00
55	T	1,1,2-Trichloroethane	50.000	46.565	6.9	82	0.00
56	T	Ethyl methacrylate	50.000	48.673	2.7	81	0.00
57	T	1,3-Dichloropropane	50.000	47.362	5.3	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	227.585	9.0	83	0.00
59	T	2-Hexanone	250.000	228.307	8.7	75	0.00
60	T	Dibromochloromethane	50.000	47.648	4.7	79	0.00
61	T	1,2-Dibromoethane	50.000	48.453	3.1	83	0.00
62	S	4-Bromofluorobenzene	50.000	48.195	3.6	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	47.689	4.6	82	0.00
65	PM	Chlorobenzene	50.000	46.431	7.1	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.406	1.2	82	0.00
67	C	Ethyl Benzene	50.000	48.488	3.0#	82	0.00
68	T	m/p-Xylenes	100.000	96.253	3.7	80	0.00
69	T	o-Xylene	50.000	49.529	0.9	81	0.00
70	T	Styrene	50.000	49.457	1.1	80	0.00
71	P	Bromoform	50.000	43.484	13.0	75	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	47.838	4.3	82	0.00
74	T	N-amyl acetate	50.000	49.487	1.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.162	5.7	82	0.00
76	T	1,2,3-Trichloropropane	50.000	45.843	8.3	78	0.00
77	T	Bromobenzene	50.000	47.012	6.0	81	0.00
78	T	n-propylbenzene	50.000	47.443	5.1	79	0.00
79	T	2-Chlorotoluene	50.000	46.093	7.8	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.515	3.0	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.379	15.2	71	0.00
82	T	4-Chlorotoluene	50.000	47.210	5.6	80	0.00
83	T	tert-Butylbenzene	50.000	48.465	3.1	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.618	2.8	82	0.00
85	T	sec-Butylbenzene	50.000	47.629	4.7	79	0.00
86	T	p-Isopropyltoluene	50.000	49.100	1.8	80	0.00
87	T	1,3-Dichlorobenzene	50.000	46.833	6.3	81	0.00
88	T	1,4-Dichlorobenzene	50.000	45.963	8.1	81	0.00
89	T	n-Butylbenzene	50.000	47.613	4.8	76	0.00
90	T	Hexachloroethane	50.000	45.341	9.3	75	0.00
91	T	1,2-Dichlorobenzene	50.000	47.496	5.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.434	7.1	79	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.372	9.3	76	0.00
94	T	Hexachlorobutadiene	50.000	47.196	5.6	83	0.00
95	T	Naphthalene	50.000	48.261	3.5	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.432	3.1	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/26/2024 09:59

Lab File ID: VX044004.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.557		-12.01	20
Chloromethane	0.667	0.577	0.1	-13.49	20
Vinyl Chloride	0.709	0.640		-9.73	20
Bromomethane	0.436	0.401		-8.03	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.122		-11.51	20
1,1,2-Trichlorotrifluoroethane	0.605	0.557		-7.93	20
1,1-Dichloroethene	0.576	0.507		-11.98	20
Acetone	0.394	0.399		1.27	20
Carbon Disulfide	1.188	0.975		-17.93	20
Methyl tert-butyl Ether	2.092	1.897		-9.32	20
Methyl Acetate	0.917	0.867		-5.45	20
Methylene Chloride	0.668	0.585		-12.43	20
trans-1,2-Dichloroethene	0.595	0.523		-12.1	20
1,1-Dichloroethane	1.161	1.059	0.1	-8.79	20
Cyclohexane	0.956	0.839		-12.24	20
2-Butanone	0.508	0.499		-1.77	20
Carbon Tetrachloride	0.500	0.496		-0.8	20
cis-1,2-Dichloroethene	0.735	0.667		-9.25	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.140		-8.73	20
1,1,1-Trichloroethane	1.077	1.015		-5.76	20
Methylcyclohexane	0.578	0.547		-5.36	20
Benzene	1.387	1.336		-3.68	20
1,2-Dichloroethane	0.557	0.527		-5.39	20
Trichloroethene	0.393	0.332		-15.52	20
1,2-Dichloropropane	0.340	0.332		-2.35	20
Bromodichloromethane	0.482	0.498		3.32	20
4-Methyl-2-Pentanone	0.537	0.541		0.75	20
Toluene	0.830	0.805		-3.01	20
t-1,3-Dichloropropene	0.491	0.495		0.81	20
cis-1,3-Dichloropropene	0.539	0.534		-0.93	20
1,1,2-Trichloroethane	0.343	0.328		-4.37	20
2-Hexanone	0.403	0.418		3.72	20
Dibromochloromethane	0.344	0.360		4.65	20
1,2-Dibromoethane	0.346	0.346		0	20
Tetrachloroethene	0.330	0.317		-3.94	20
Chlorobenzene	1.098	1.032	0.3	-6.01	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/26/2024 09:59

Lab File ID: VX044004.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.798		-3.38	20
m/p-Xylenes	0.694	0.667		-3.89	20
o-Xylene	0.678	0.654		-3.54	20
Styrene	1.121	1.130		0.8	20
Bromoform	0.240	0.254	0.1	5.83	20
Isopropylbenzene	3.843	3.671		-4.48	20
1,1,2,2-Tetrachloroethane	1.316	1.267	0.3	-3.72	20
1,3-Dichlorobenzene	1.670	1.597		-4.37	20
1,4-Dichlorobenzene	1.702	1.597		-6.17	20
1,2-Dichlorobenzene	1.685	1.660		-1.48	20
1,2-Dibromo-3-Chloropropane	0.264	0.261		-1.14	20
1,2,4-Trichlorobenzene	0.994	0.956		-3.82	20
1,2,3-Trichlorobenzene	1.006	0.995		-1.09	20
1,2-Dichloroethane-d4	0.858	0.810		-5.59	20
Dibromofluoromethane	0.357	0.363		1.68	20
Toluene-d8	1.232	1.221		-0.89	20
4-Bromofluorobenzene	0.419	0.423		0.95	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	135994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	228315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	197529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110161	47.228	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.460%			
35) Dibromofluoromethane	5.379	113	82790	50.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.641	98	278812	49.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.079	95	96622	50.484	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	75702	43.941	ug/l	97
3) Chloromethane	1.295	50	78484	43.291	ug/l	98
4) Vinyl Chloride	1.374	62	87002	45.118	ug/l	96
5) Bromomethane	1.593	94	54518	45.957	ug/l	97
6) Chloroethane	1.666	64	56985	48.498	ug/l	95
7) Trichlorofluoromethane	1.874	101	152571	44.255	ug/l	97
8) Diethyl Ether	2.130	74	55836	44.435	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	75770	46.075	ug/l	99
10) Methyl Iodide	2.441	142	92105	44.845	ug/l	99
11) Tert butyl alcohol	2.989	59	82156	219.438	ug/l	98
12) 1,1-Dichloroethene	2.307	96	68952	44.001	ug/l	97
13) Acrolein	2.233	56	82214	208.335	ug/l	98
14) Allyl chloride	2.654	41	116809	45.619	ug/l	99
15) Acrylonitrile	3.056	53	215553	236.257	ug/l	98
16) Acetone	2.380	43	271476	253.405	ug/l	100
17) Carbon Disulfide	2.502	76	132536	41.002	ug/l	99
18) Methyl Acetate	2.697	43	117885	47.252	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257926	45.330	ug/l	99
20) Methylene Chloride	2.782	84	79518	43.739	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	71142	43.972	ug/l	98
22) Diisopropyl ether	3.751	45	249952	45.651	ug/l	90
23) Vinyl Acetate	3.715	43	1111841	237.383	ug/l	99
24) 1,1-Dichloroethane	3.599	63	143957	45.576	ug/l	100
25) 2-Butanone	4.550	43	339041	245.268	ug/l	97
26) 2,2-Dichloropropane	4.459	77	131573	46.124	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	90728	45.367	ug/l	100
28) Bromochloromethane	4.885	49	66554	47.869	ug/l	97
29) Tetrahydrofuran	5.001	42	198461	234.185	ug/l	99
30) Chloroform	5.080	83	155058	45.643	ug/l	98
31) Cyclohexane	5.458	56	114132	43.902	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	138038	47.118	ug/l	99
36) 1,1-Dichloropropene	5.678	75	99253	48.822	ug/l	98
37) Ethyl Acetate	4.702	43	123429	48.911	ug/l	99
38) Carbon Tetrachloride	5.666	117	113308	49.603	ug/l	96
39) Methylcyclohexane	7.373	83	124981	47.322	ug/l	97
40) Benzene	6.025	78	305074	48.176	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	63829	49.419	ug/l		94
42) 1,2-Dichloroethane	6.074	62	120257	47.284	ug/l		99
43) Isopropyl Acetate	6.330	43	196617	48.957	ug/l		100
44) Trichloroethene	7.117	130	75842	42.307	ug/l		91
45) 1,2-Dichloropropane	7.421	63	75782	48.861	ug/l		100
46) Dibromomethane	7.574	93	61145	49.837	ug/l		99
47) Bromodichloromethane	7.812	83	113694	51.670	ug/l		99
48) Methyl methacrylate	7.690	41	93154	48.339	ug/l		99
49) 1,4-Dioxane	7.659	88	31832	927.311	ug/l		90
51) 4-Methyl-2-Pentanone	8.568	43	617411	251.920	ug/l		100
52) Toluene	8.714	92	183717	48.472	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	113108	50.408	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	121994	49.594	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	74997	47.934	ug/l		98
56) Ethyl methacrylate	9.110	69	121922	50.030	ug/l		99
57) 1,3-Dichloropropane	9.305	76	130708	49.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	319778	239.296	ug/l		99
59) 2-Hexanone	9.427	43	476916	258.897	ug/l		99
60) Dibromochloromethane	9.519	129	82084	52.290	ug/l		98
61) 1,2-Dibromoethane	9.604	107	79068	49.979	ug/l		99
64) Tetrachloroethene	9.269	164	62677	48.121	ug/l		97
65) Chlorobenzene	10.073	112	203884	46.996	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	70900	50.392	ug/l		99
67) Ethyl Benzene	10.189	91	355247	48.325	ug/l		98
68) m/p-Xylenes	10.299	106	263420	96.088	ug/l		100
69) o-Xylene	10.640	106	129159	48.254	ug/l		97
70) Styrene	10.653	104	223116	50.399	ug/l		99
71) Bromoform	10.799	173	50248	47.213	ug/l	#	99
73) Isopropylbenzene	10.957	105	339978	47.752	ug/l		99
74) N-amyl acetate	10.842	43	161635	49.007	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	117371	48.146	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	99863m	49.166	ug/l		
77) Bromobenzene	11.195	156	81644	48.072	ug/l		99
78) n-propylbenzene	11.299	91	391796	49.273	ug/l		99
79) 2-Chlorotoluene	11.360	91	234054	46.549	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	285548	48.750	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	35271	47.385	ug/l		94
82) 4-Chlorotoluene	11.451	91	276164	48.649	ug/l		99
83) tert-Butylbenzene	11.713	119	280949	48.392	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	288545	49.480	ug/l		99
85) sec-Butylbenzene	11.890	105	350478	49.271	ug/l		99
86) p-Isopropyltoluene	12.006	119	297712	51.525	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	147898	47.812	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	147915	46.902	ug/l		99
89) n-Butylbenzene	12.329	91	261214	51.276	ug/l		100
90) Hexachloroethane	12.536	117	47951	48.805	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	153709	49.239	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24192	49.526	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	88506	48.090	ug/l		99
94) Hexachlorobutadiene	13.725	225	36855	50.669	ug/l		99
95) Naphthalene	13.774	128	330189	49.840	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	92201	49.496	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

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

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

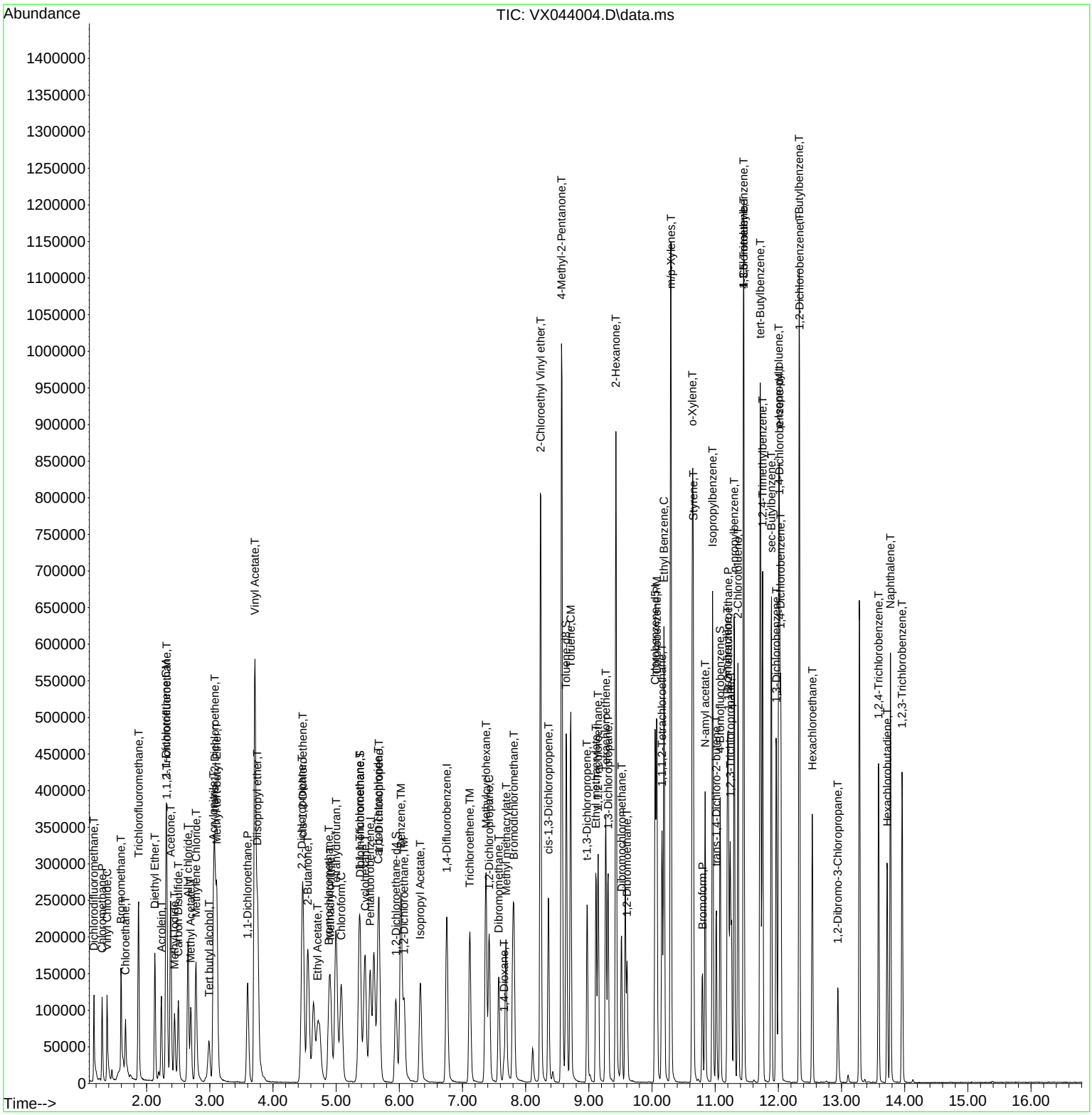
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

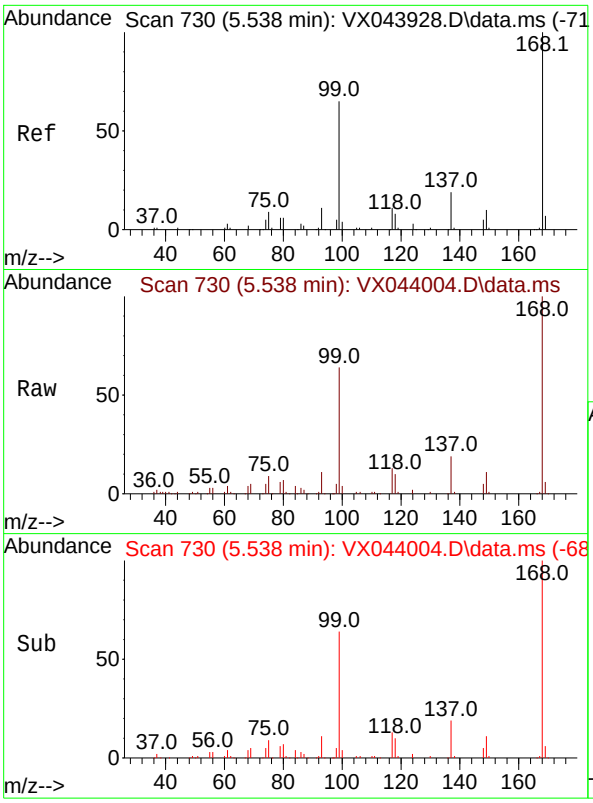
Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

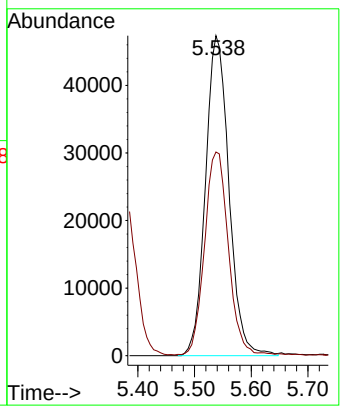




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:168 Resp: 13599

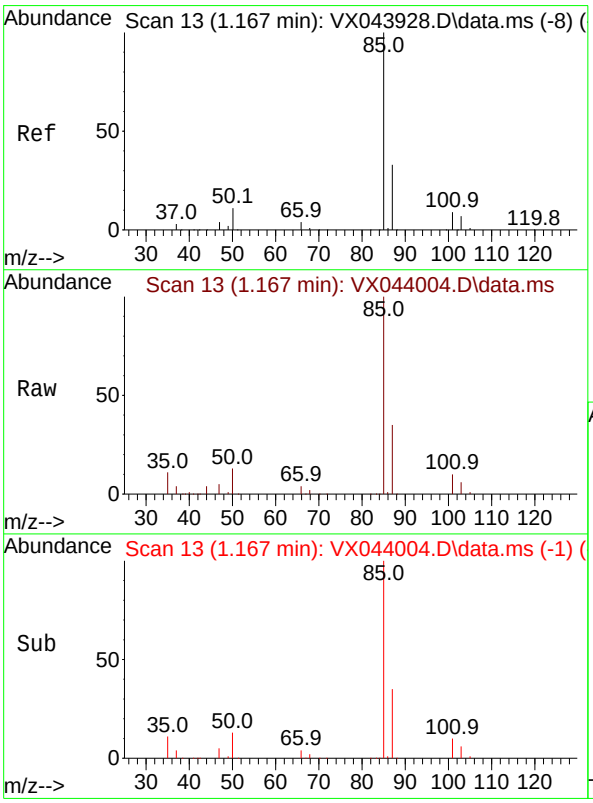
Ion	Ratio	Lower	Upper
168	100		
99	63.3	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

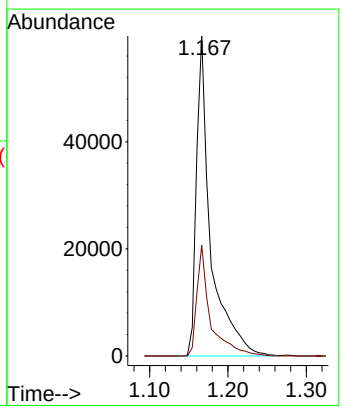
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

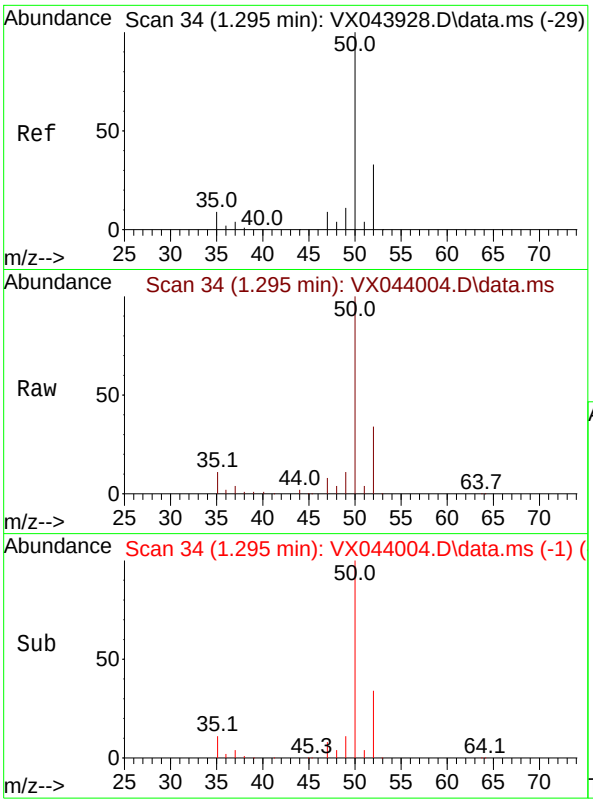


#2
Dichlorodifluoromethane
Concen: 43.941 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 85 Resp: 75702

Ion	Ratio	Lower	Upper
85	100		
87	34.7	16.6	49.8

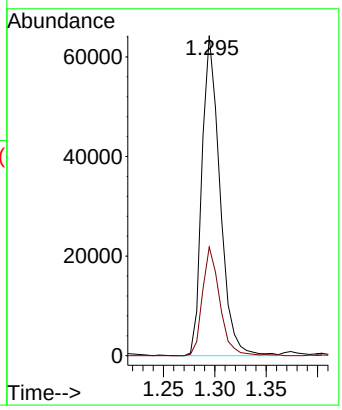




#3
Chloromethane
Concen: 43.291 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 50 Resp: 7848

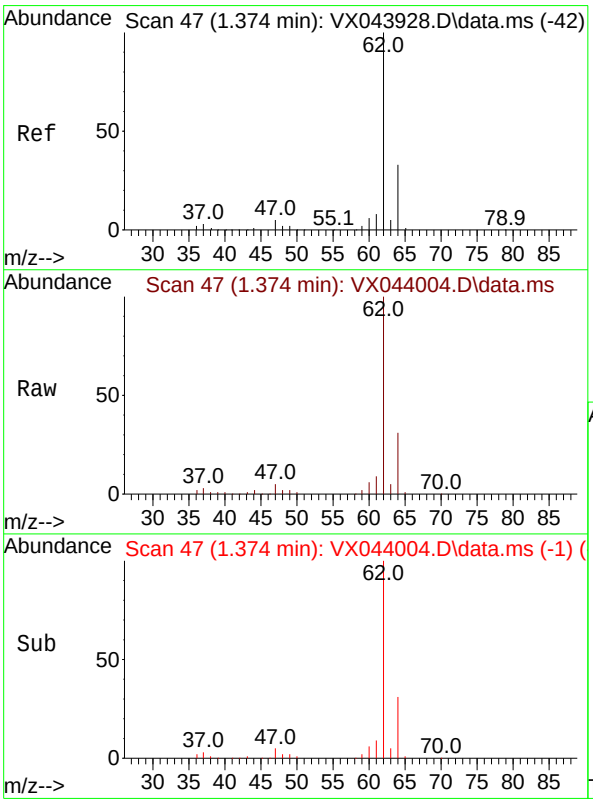
Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

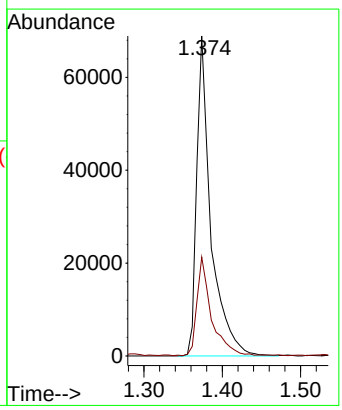
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

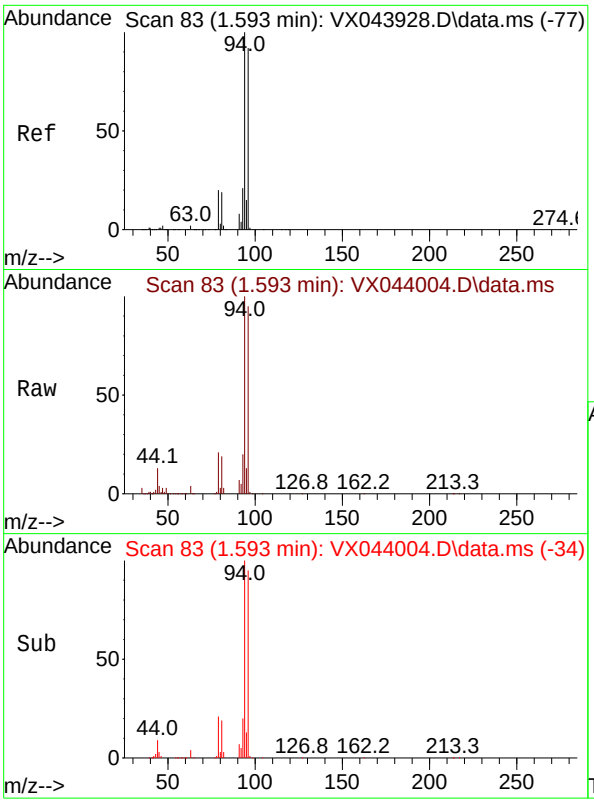


#4
Vinyl Chloride
Concen: 45.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 87002

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4

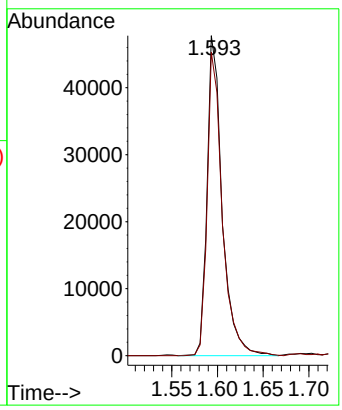




#5
Bromomethane
Concen: 45.957 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 94 Resp: 5451

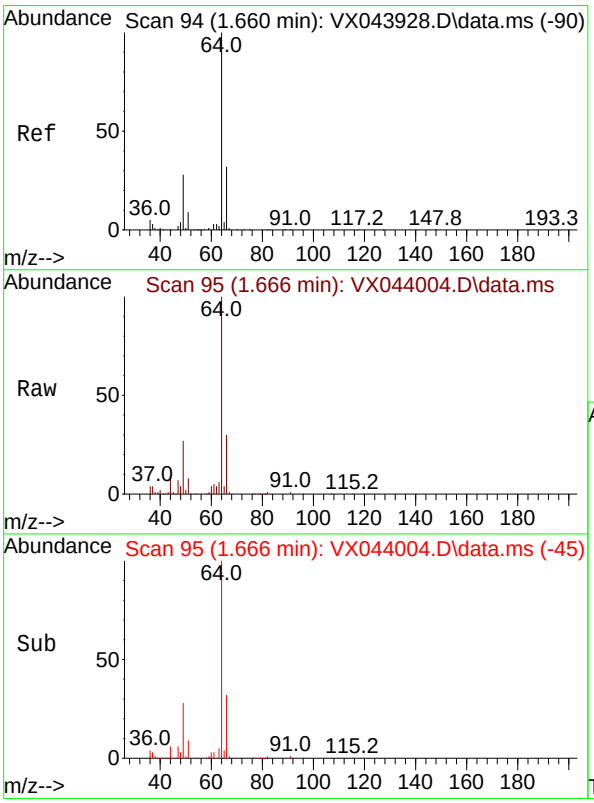
Ion	Ratio	Lower	Upper
94	100		
96	94.8	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

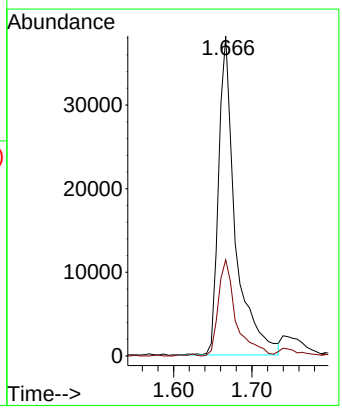
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

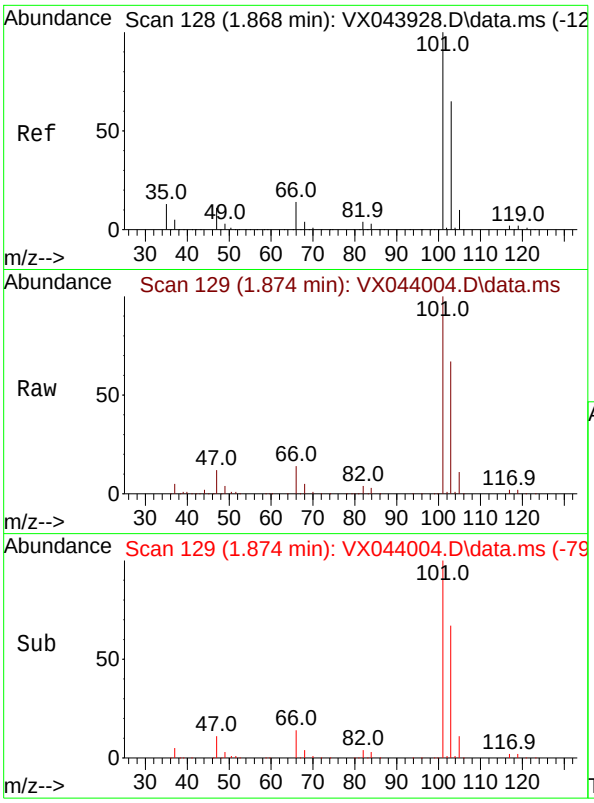


#6
Chloroethane
Concen: 48.498 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 64 Resp: 56985

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.9	38.9





#7
Trichlorofluoromethane
Concen: 44.255 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

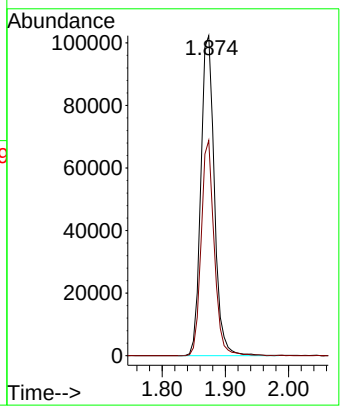
Tgt Ion:101 Resp: 15257

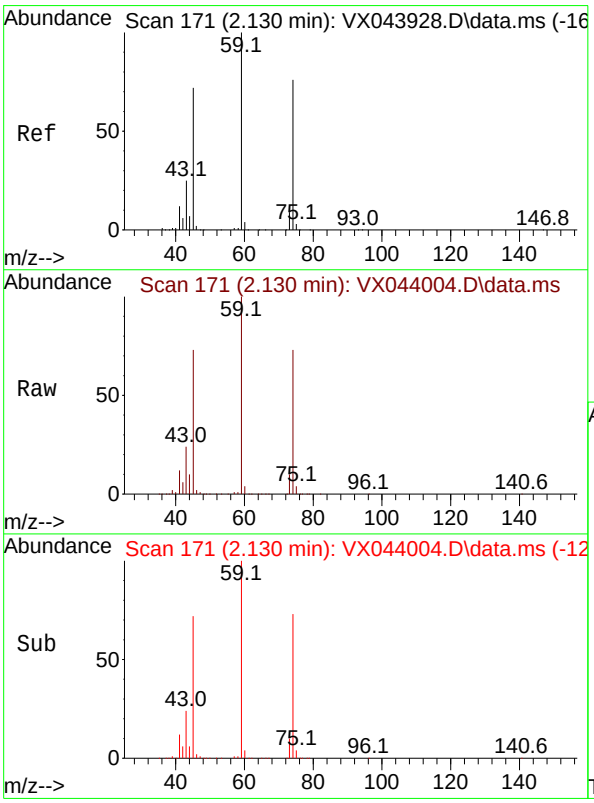
Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.2	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

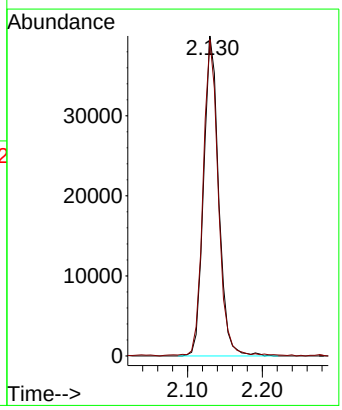


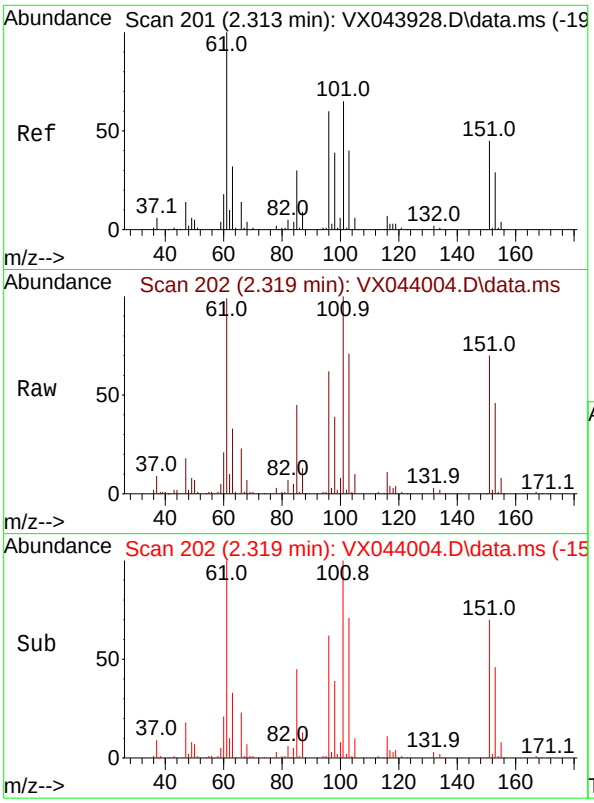


#8
Diethyl Ether
Concen: 44.435 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 74 Resp: 55836

Ion	Ratio	Lower	Upper
74	100		
45	100.7	47.9	143.6

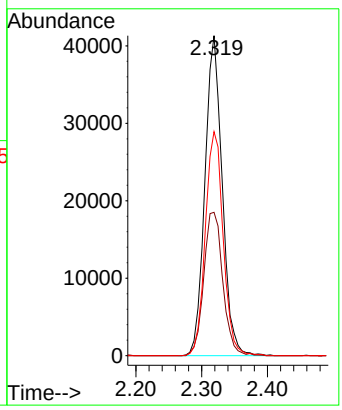




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.075 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:101 Resp: 7577

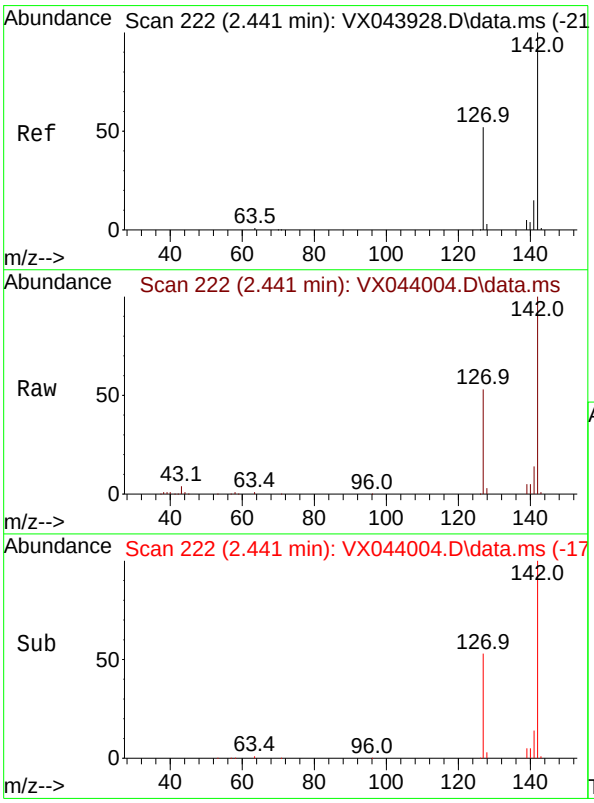
Ion	Ratio	Lower	Upper
101	100		
85	49.2	37.9	56.9
151	72.2	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

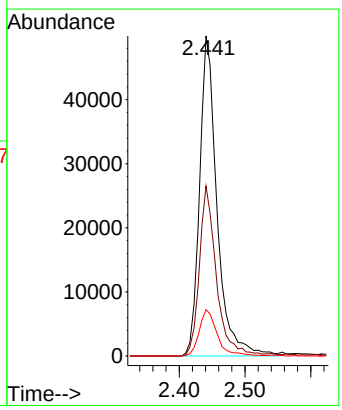
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

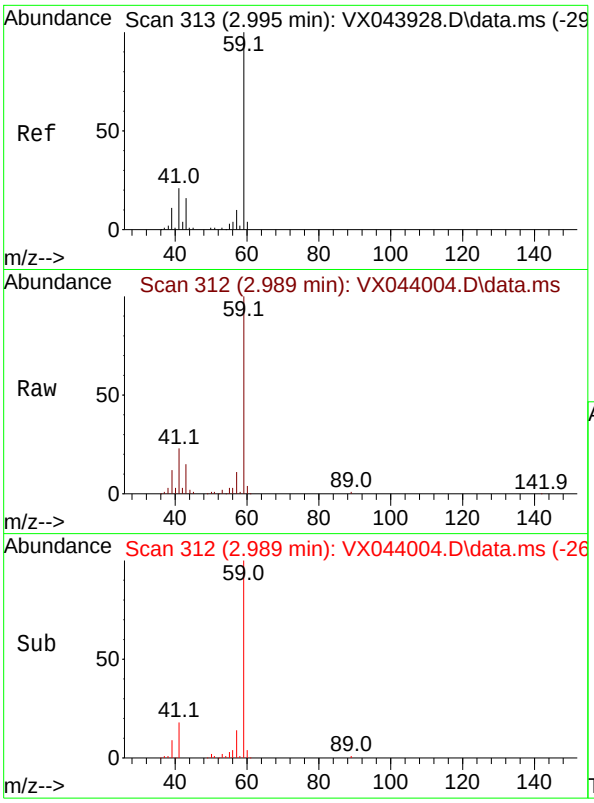


#10
Methyl Iodide
Concen: 44.845 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:142 Resp: 92105

Ion	Ratio	Lower	Upper
142	100		
127	52.1	40.7	61.1
141	14.9	12.0	18.0

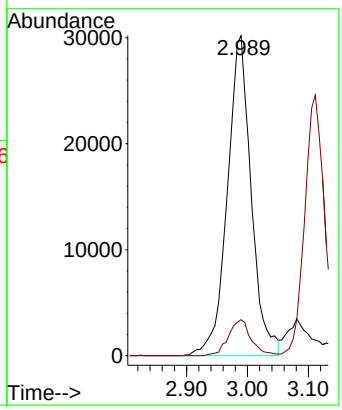




#11
Tert butyl alcohol
Concen: 219.438 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 59 Resp: 8215

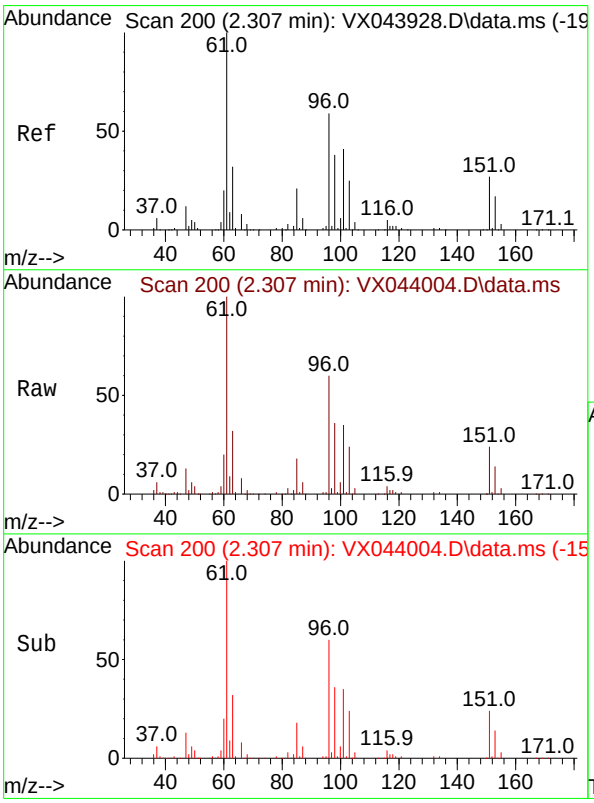
Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

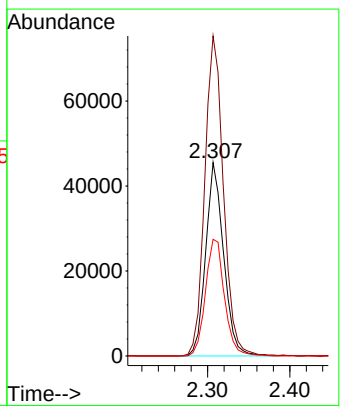
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

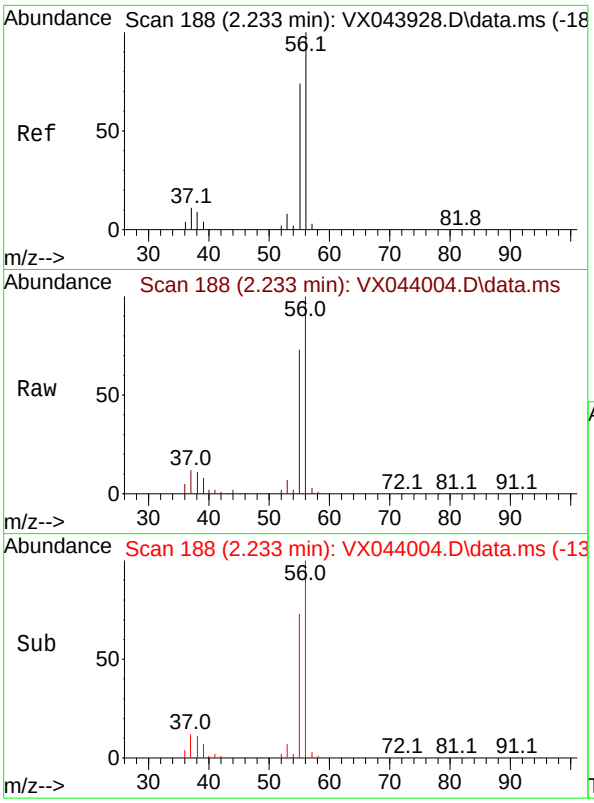


#12
1,1-Dichloroethene
Concen: 44.001 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 96 Resp: 68952

Ion	Ratio	Lower	Upper
96	100		
61	165.4	135.5	203.3
98	60.3	50.8	76.2

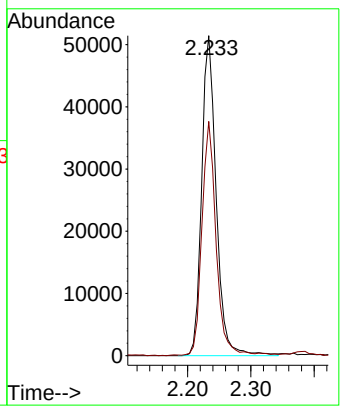




#13
Acrolein
Concen: 208.335 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 56 Resp: 8221

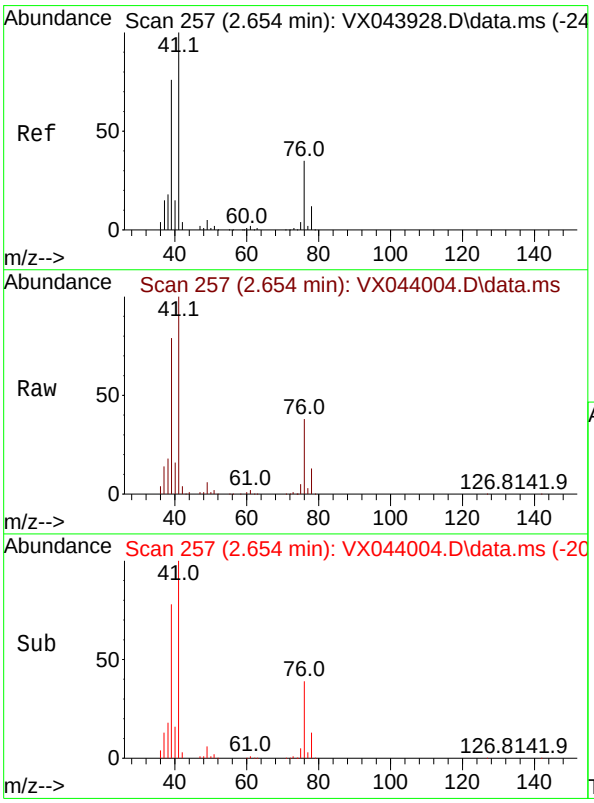
Ion	Ratio	Lower	Upper
56	100		
55	71.4	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

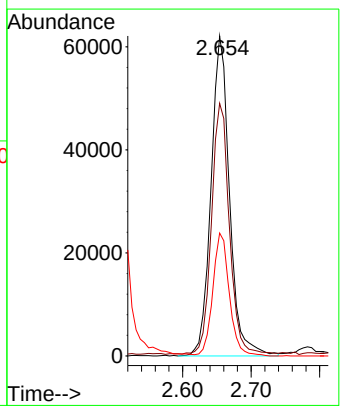
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

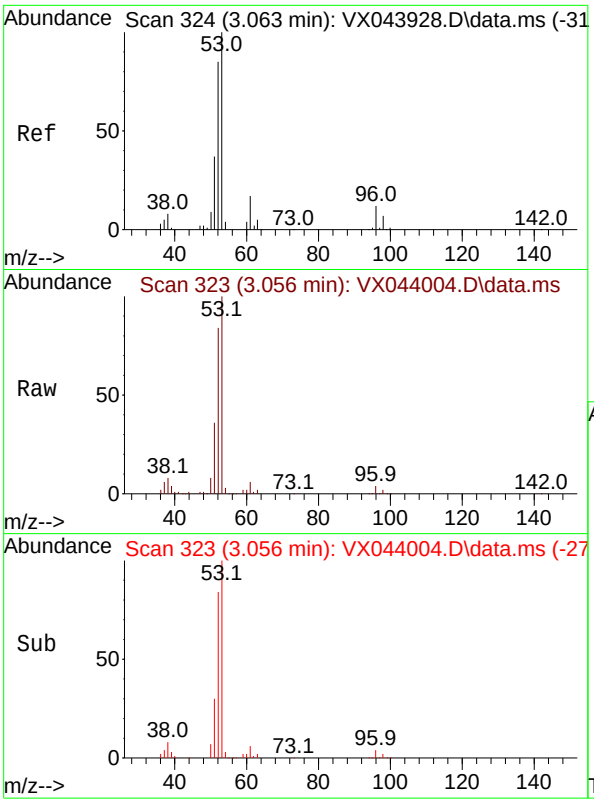


#14
Allyl chloride
Concen: 45.619 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 41 Resp: 116809

Ion	Ratio	Lower	Upper
41	100		
39	75.9	59.5	89.3
76	34.3	27.4	41.2





#15
Acrylonitrile
Concen: 236.257 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

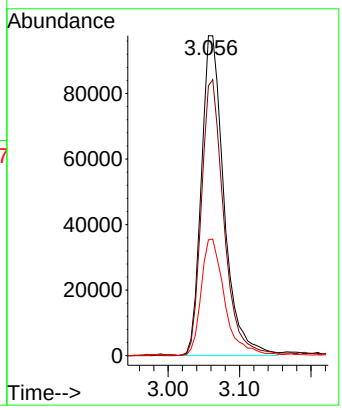
Tgt Ion: 53 Resp: 21555

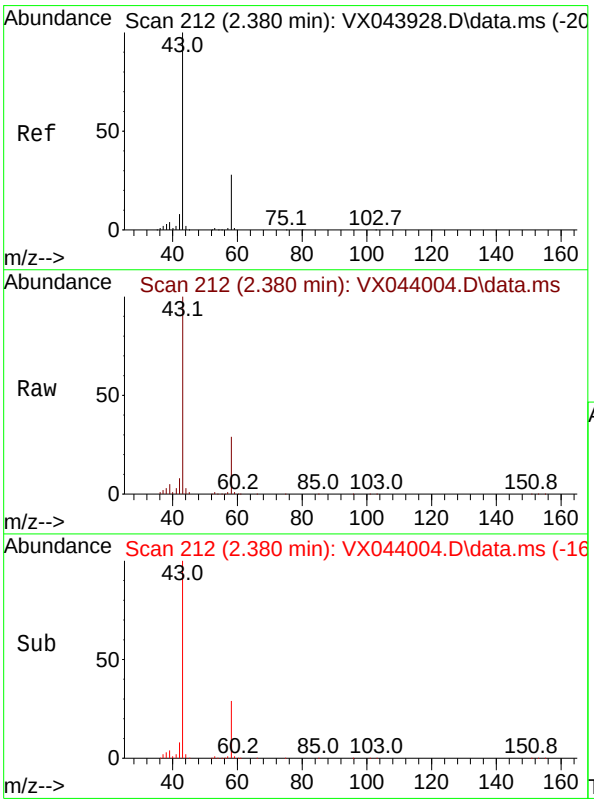
Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.5	99.7
51	37.6	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

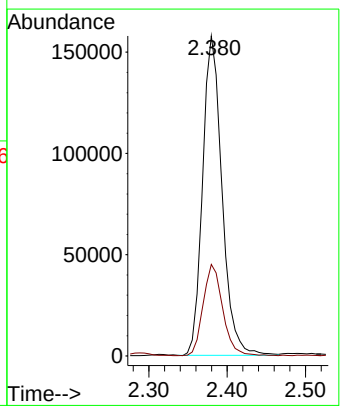


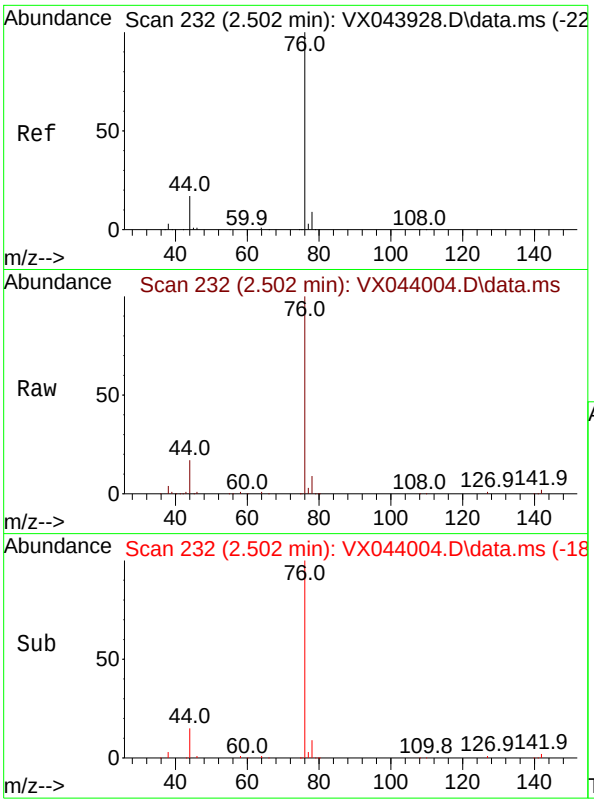


#16
Acetone
Concen: 253.405 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 271476

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1





#17
Carbon Disulfide
Concen: 41.002 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

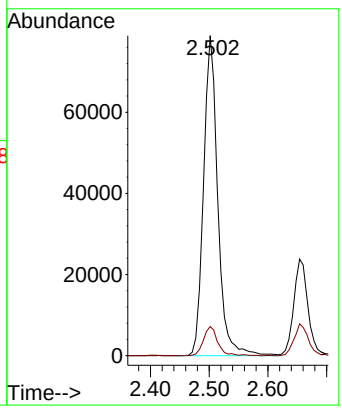
Tgt Ion: 76 Resp: 13253

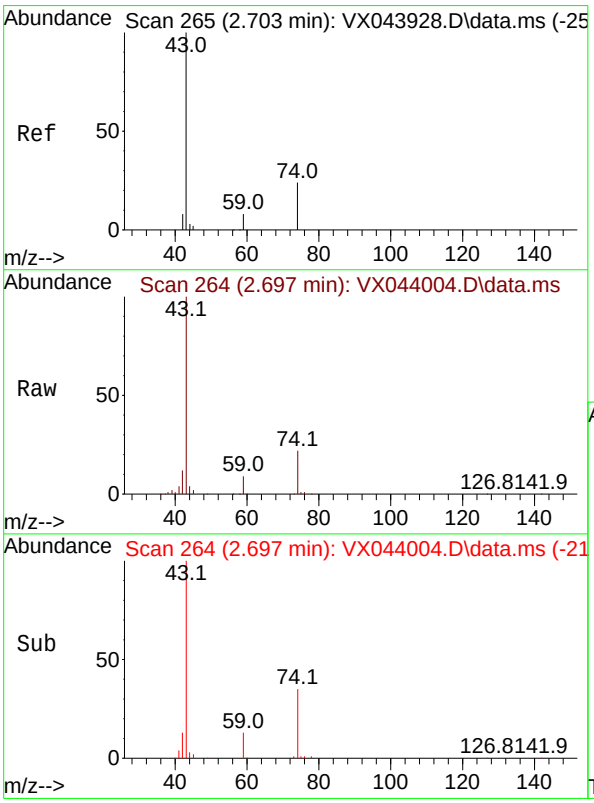
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

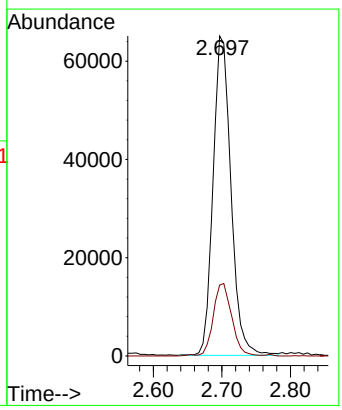


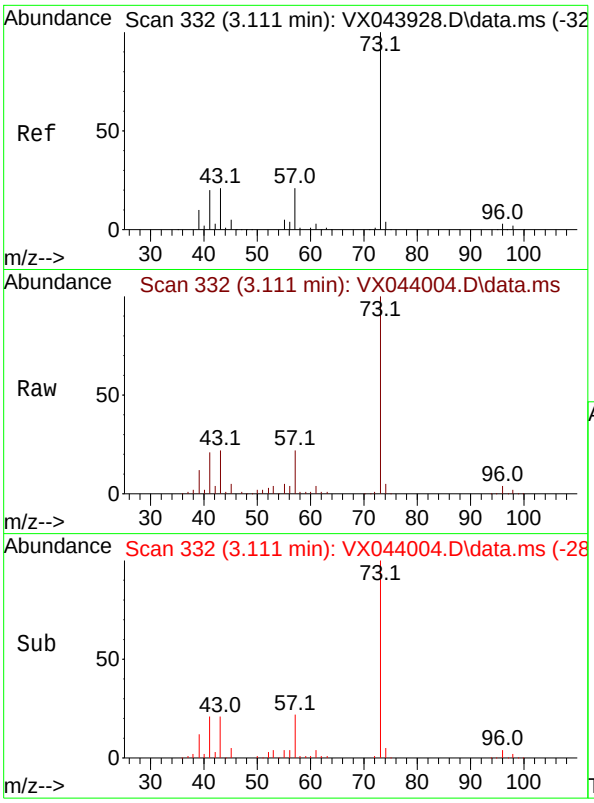


#18
Methyl Acetate
Concen: 47.252 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 117885

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3

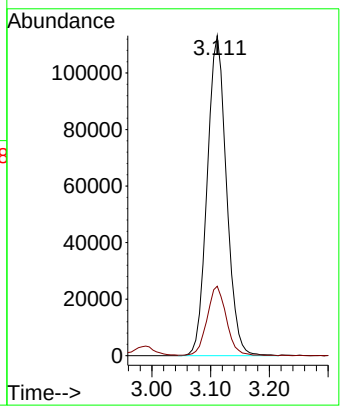




#19
Methyl tert-butyl Ether
Concen: 45.330 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 73 Resp: 25792

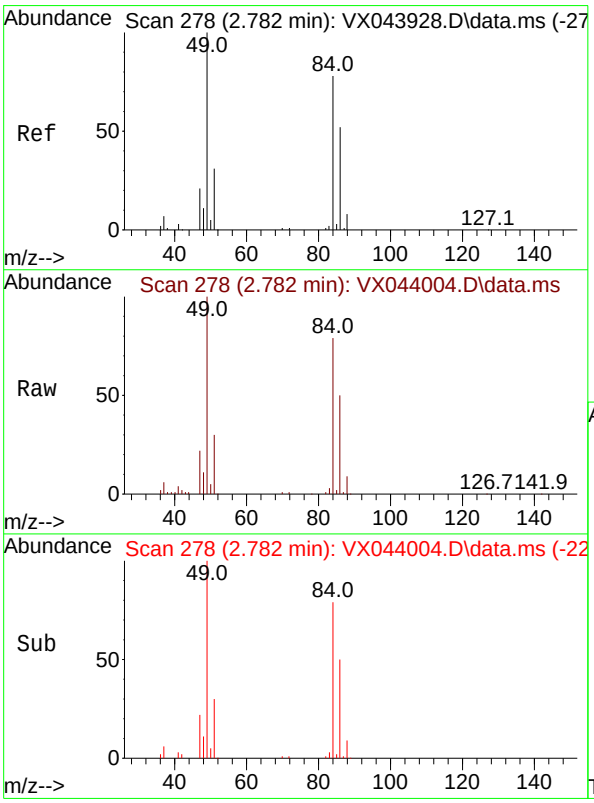
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

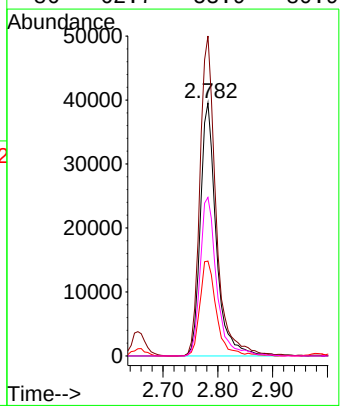
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

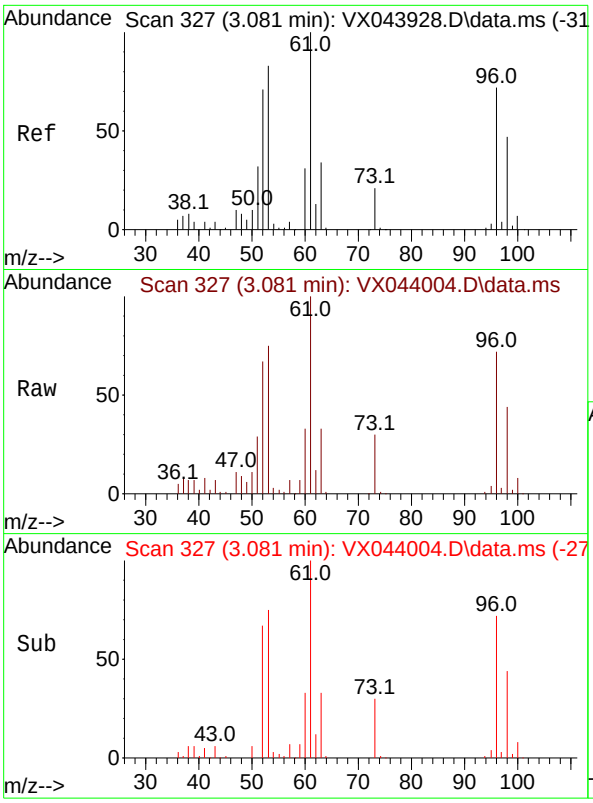


#20
Methylene Chloride
Concen: 43.739 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 84 Resp: 79518

Ion	Ratio	Lower	Upper
84	100		
49	126.5	102.7	154.1
51	37.5	31.7	47.5
86	62.7	53.9	80.9

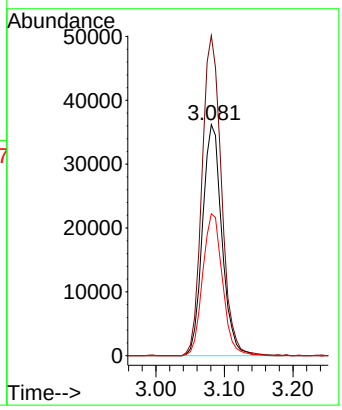




#21
trans-1,2-Dichloroethene
Concen: 43.972 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 96 Resp: 7114

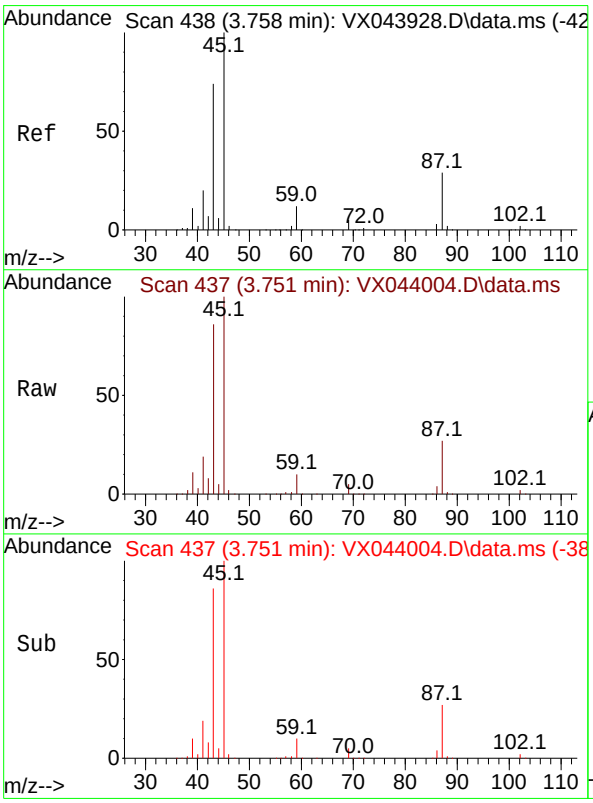
Ion	Ratio	Lower	Upper
96	100		
61	138.5	111.8	167.6
98	61.4	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

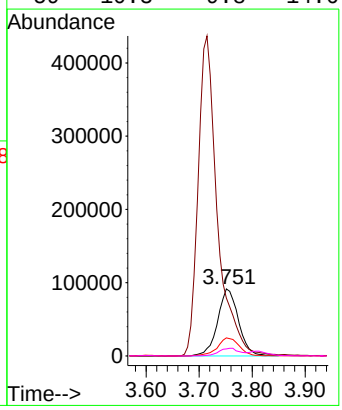
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

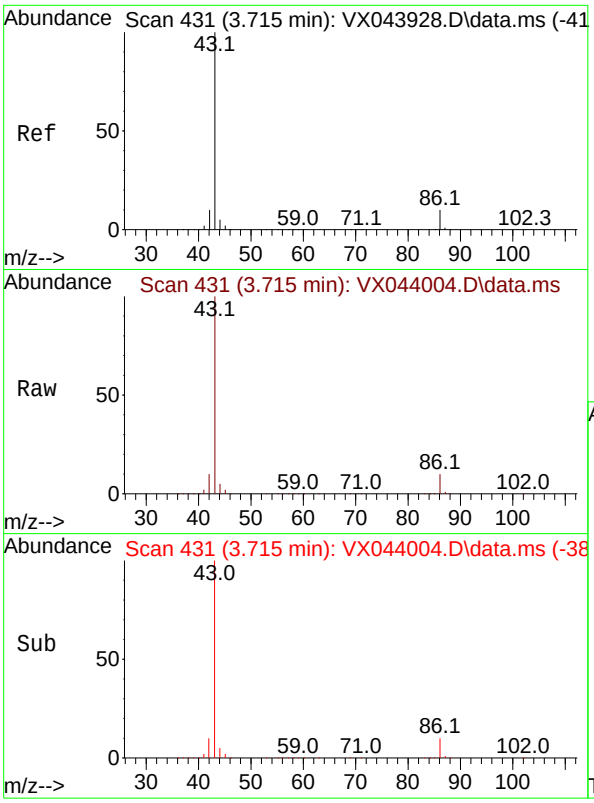


#22
Diisopropyl ether
Concen: 45.651 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 45 Resp: 249952

Ion	Ratio	Lower	Upper
45	100		
43	86.0	59.6	89.4
87	26.8	22.9	34.3
59	10.3	9.8	14.6

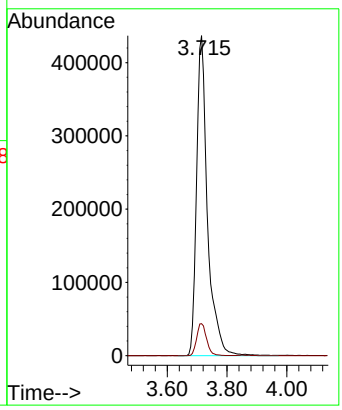




#23
Vinyl Acetate
Concen: 237.383 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 111184

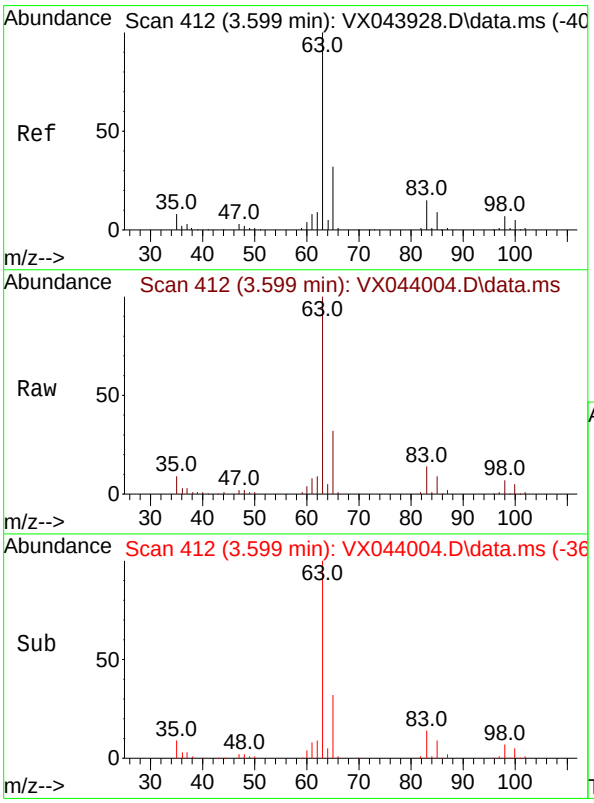
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

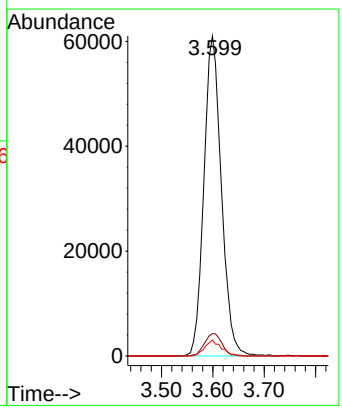
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

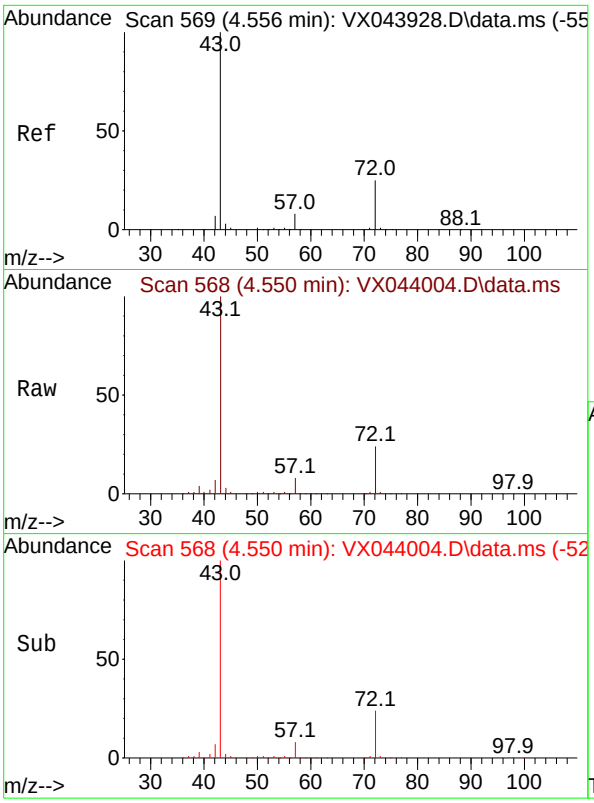


#24
1,1-Dichloroethane
Concen: 45.576 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 63 Resp: 143957

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.9	2.4	7.1





#25
2-Butanone
Concen: 245.268 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

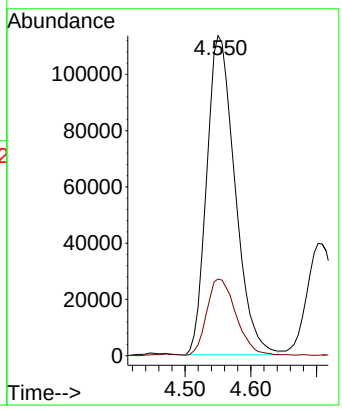
Tgt Ion: 43 Resp: 33904

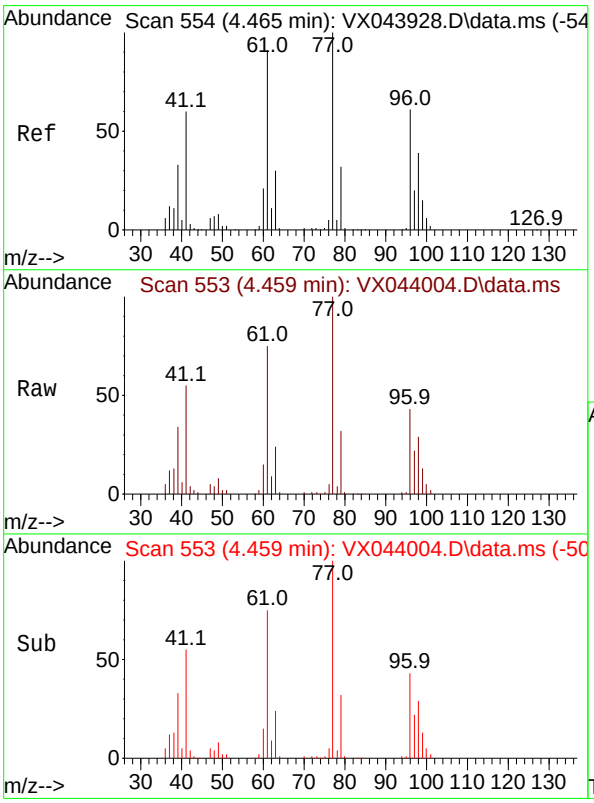
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

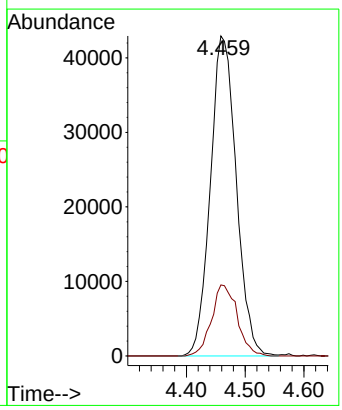


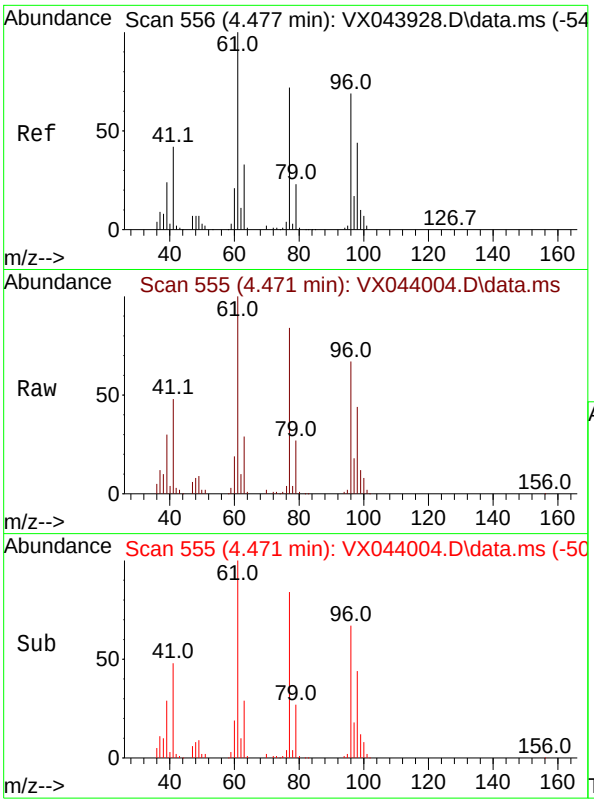


#26
2,2-Dichloropropane
Concen: 46.124 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 77 Resp: 131573

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

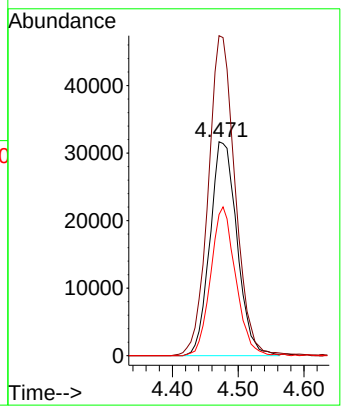




#27
cis-1,2-Dichloroethene
Concen: 45.367 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 96 Resp: 9072

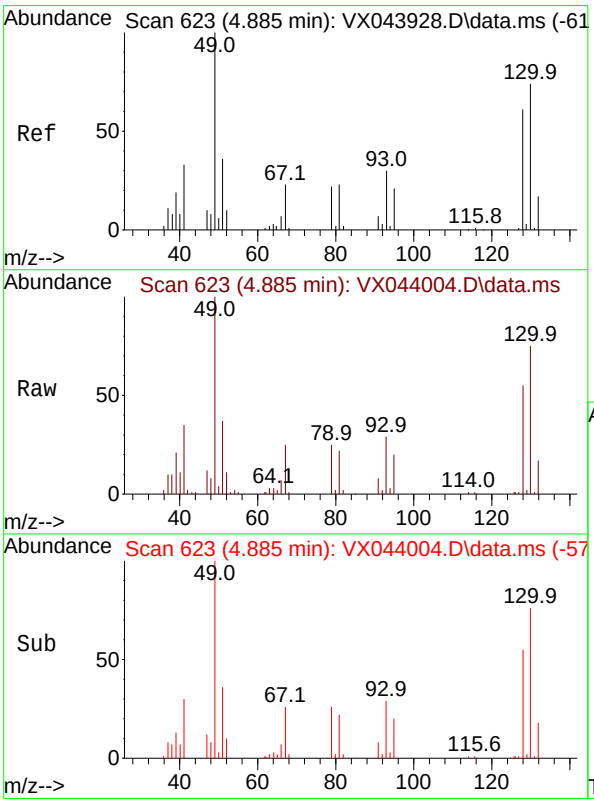
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	297.4
98	64.0	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

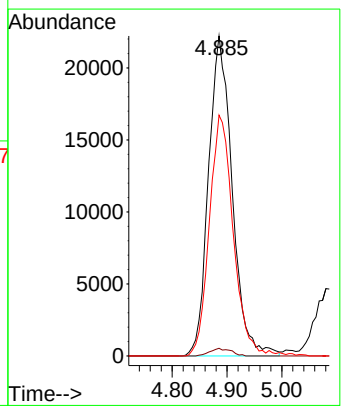
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

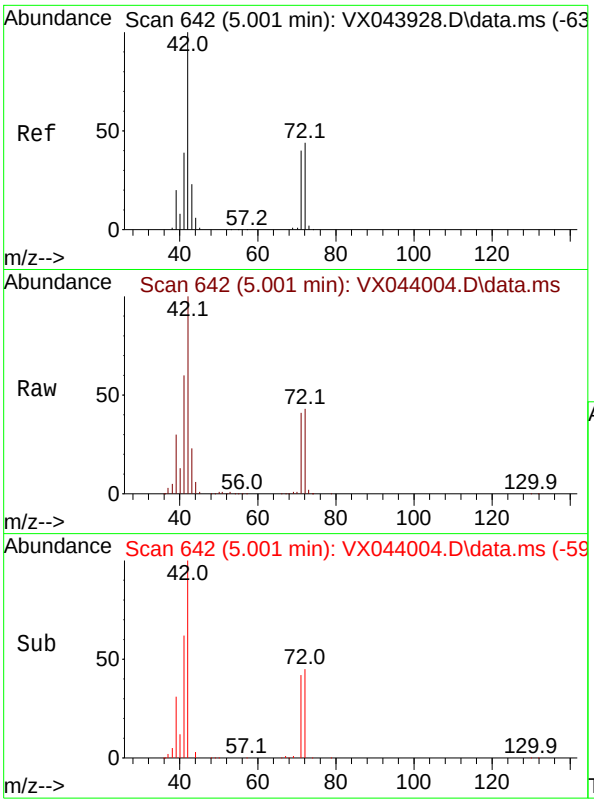


#28
Bromochloromethane
Concen: 47.869 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 49 Resp: 66554

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	76.1	59.0	88.6





#29
Tetrahydrofuran
Concen: 234.185 ug/l
RT: 5.001 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

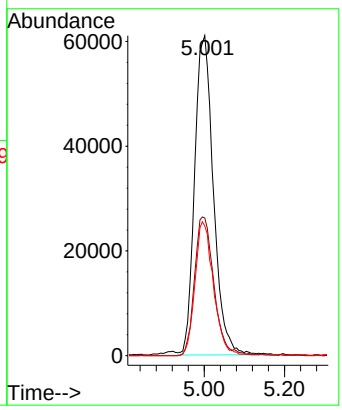
Tgt Ion: 42 Resp: 19846

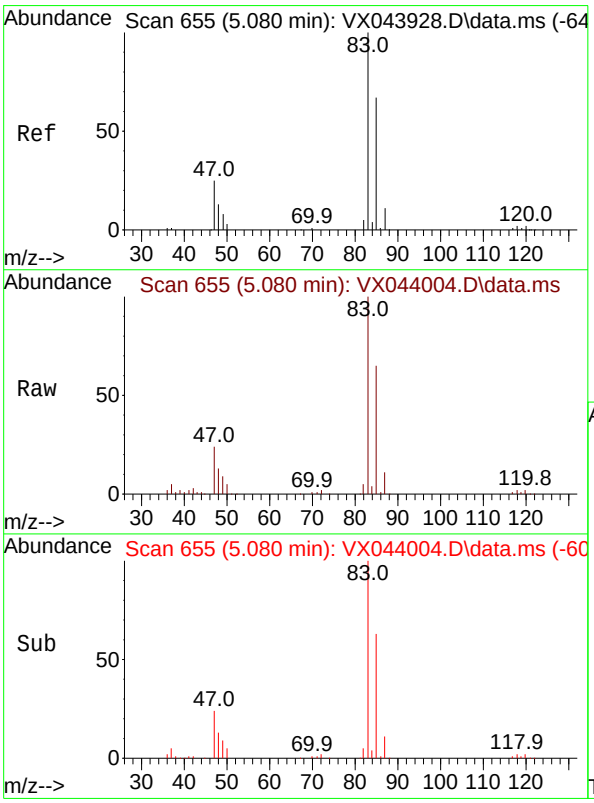
Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.4	54.6
71	41.3	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

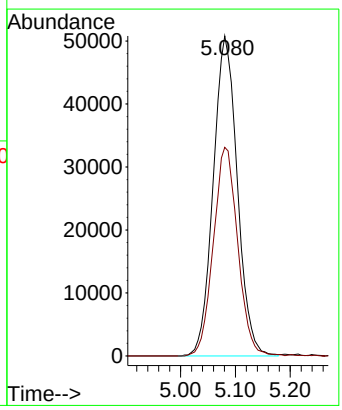


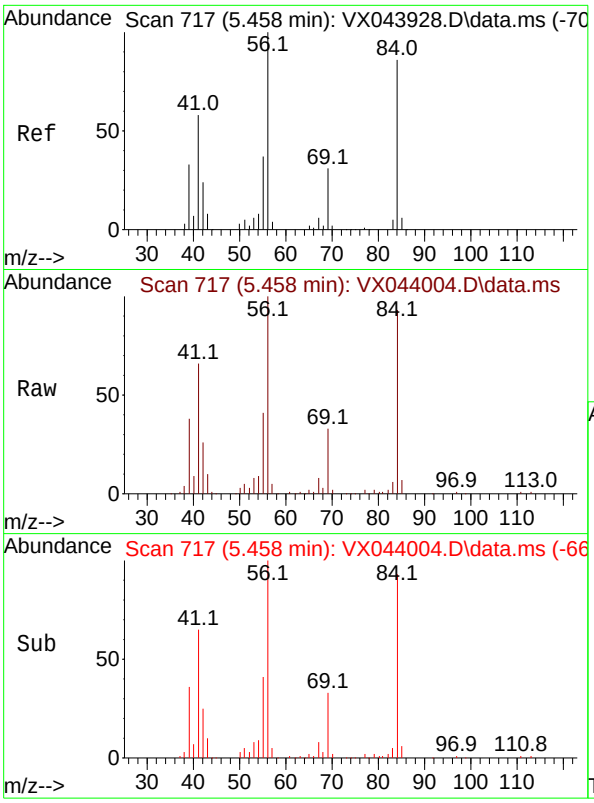


#30
Chloroform
Concen: 45.643 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 83 Resp: 155058

Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.5	80.3





#31
Cyclohexane
Concen: 43.902 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

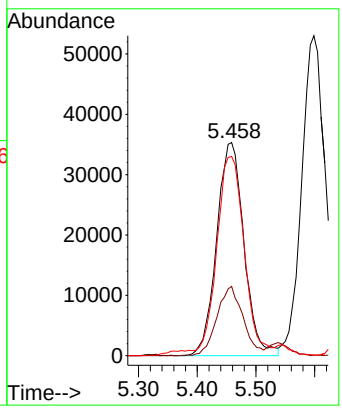
Tgt Ion: 56 Resp: 11413

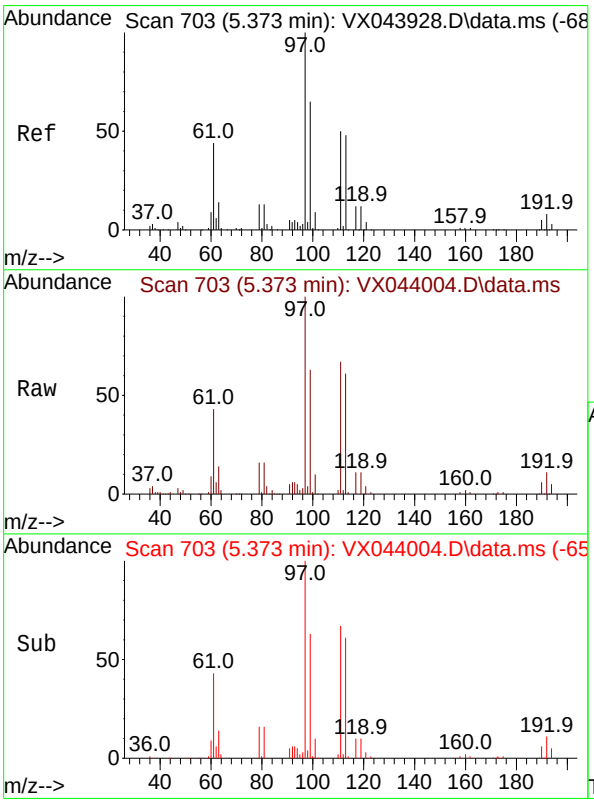
Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.7	37.1
84	91.0	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

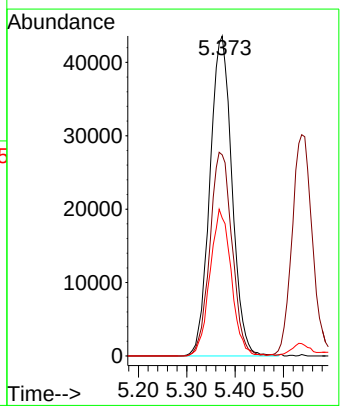


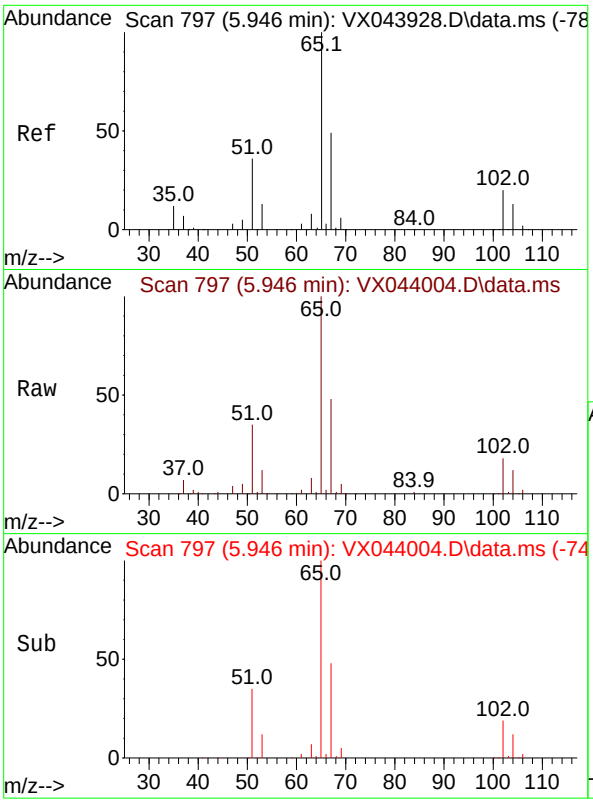


#32
1,1,1-Trichloroethane
Concen: 47.118 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 97 Resp: 138038

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	44.5	35.4	53.2

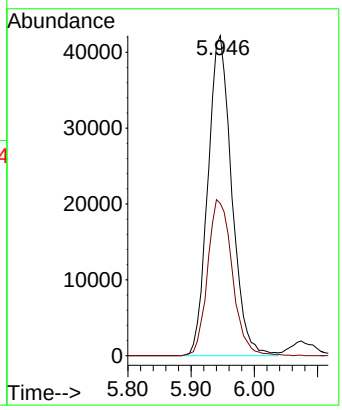




#33
1,2-Dichloroethane-d4
Concen: 47.228 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 65 Resp: 11016

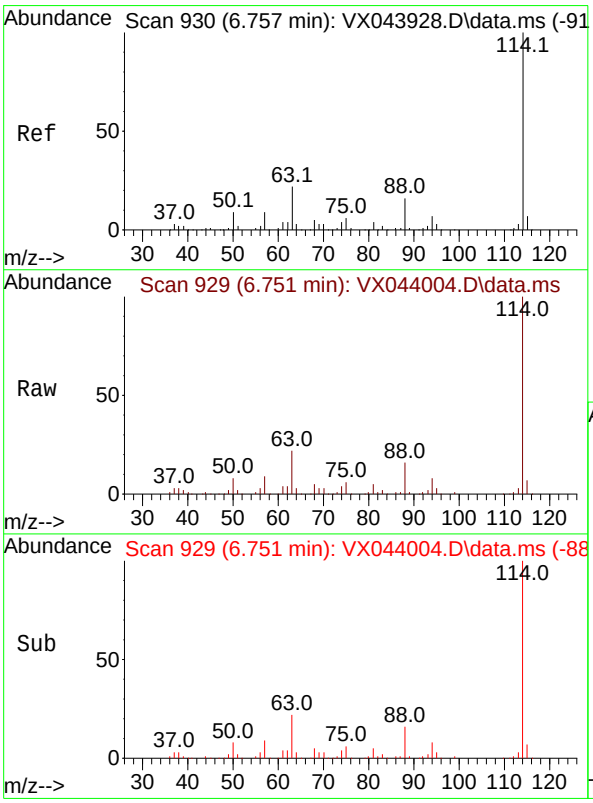
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

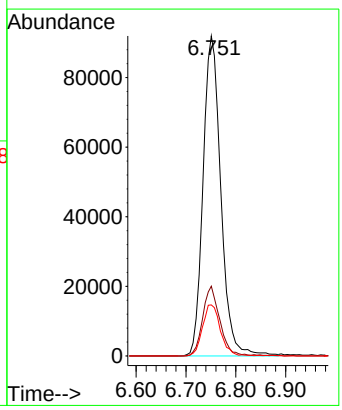
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

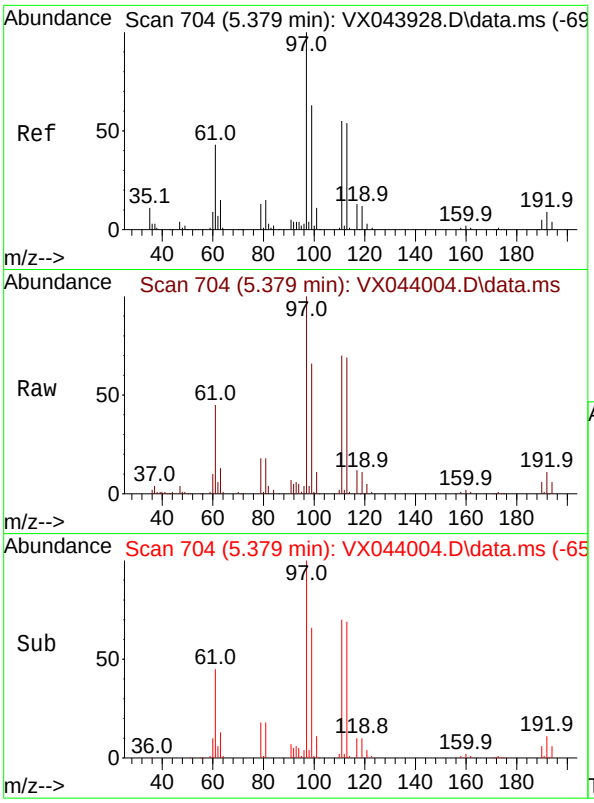


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:114 Resp: 228315

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.0	0.0	32.4

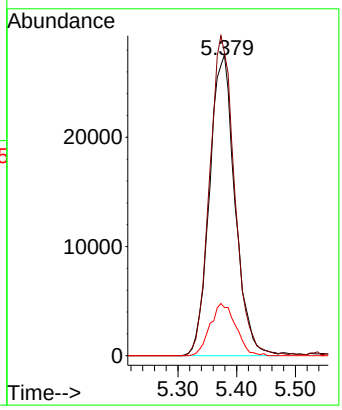




#35
Dibromofluoromethane
Concen: 50.747 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:113 Resp: 8279(

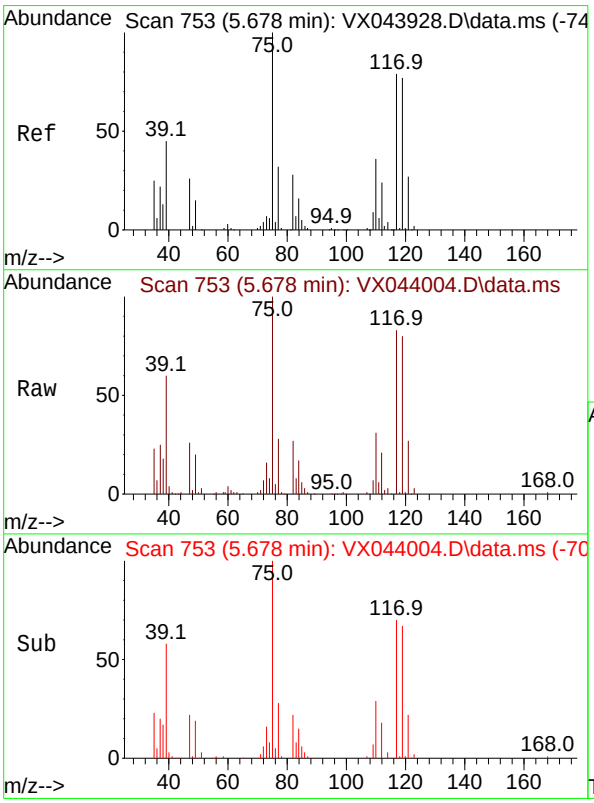
Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.4
192	17.6	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

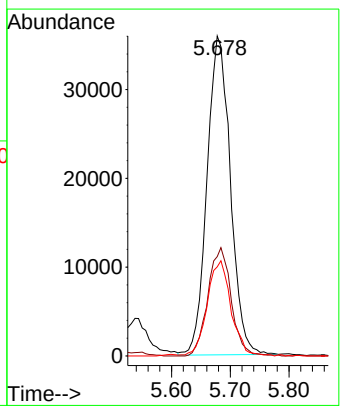
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

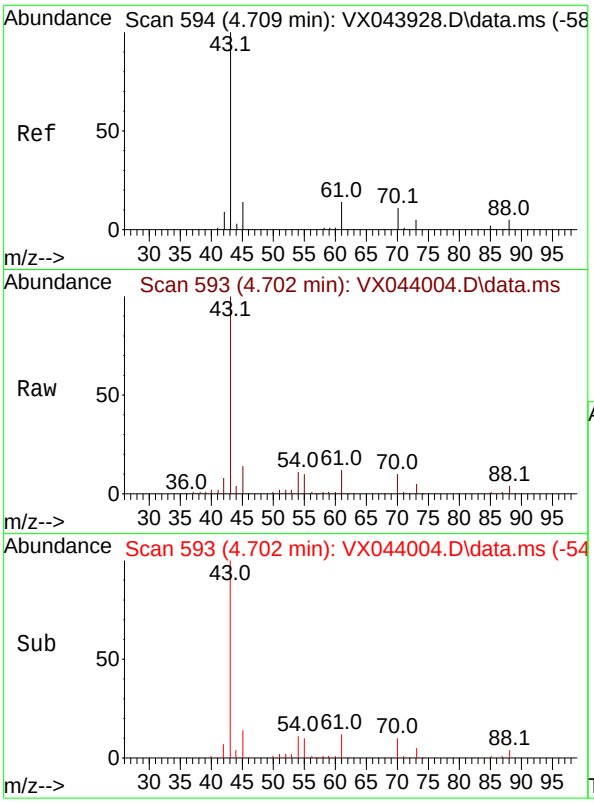


#36
1,1-Dichloropropene
Concen: 48.822 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 99253

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.4	52.2
77	30.5	25.8	38.8

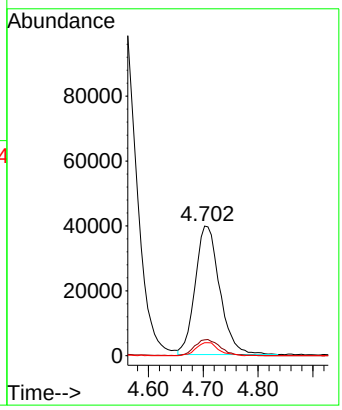




#37
Ethyl Acetate
Concen: 48.911 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 12342

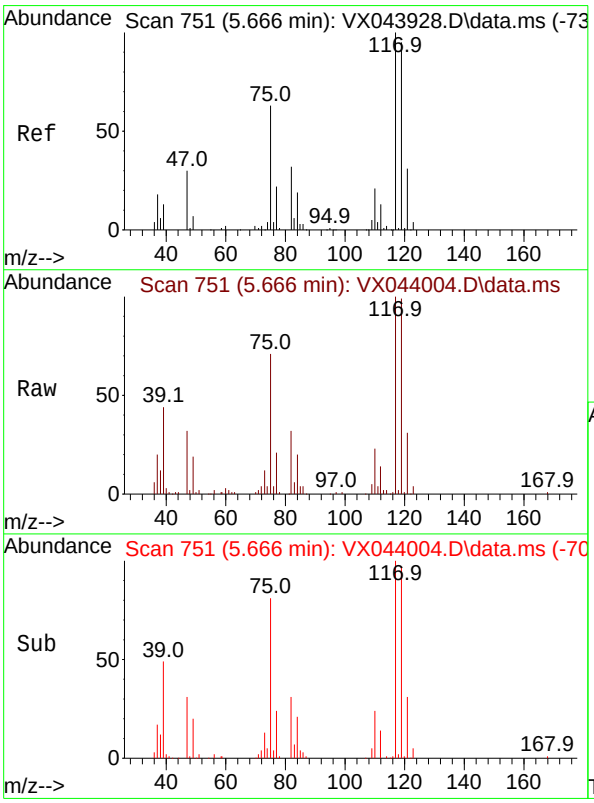
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	9.3	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

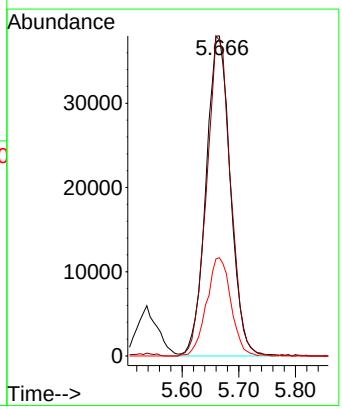
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

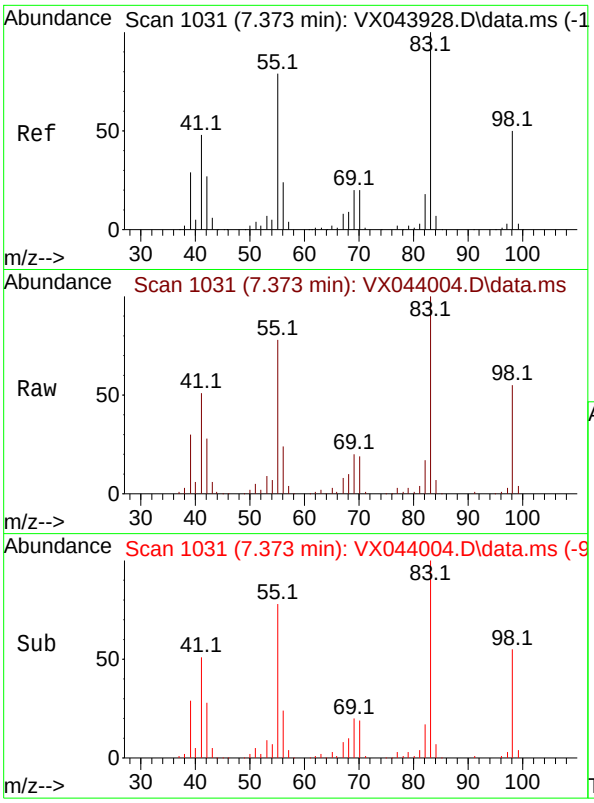


#38
Carbon Tetrachloride
Concen: 49.603 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:117 Resp: 113308

Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.2	112.8
121	30.7	24.5	36.7

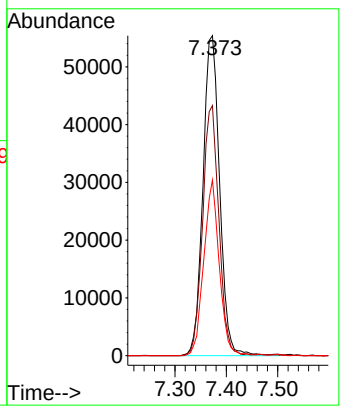




#39
Methylcyclohexane
Concen: 47.322 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 83 Resp: 12498

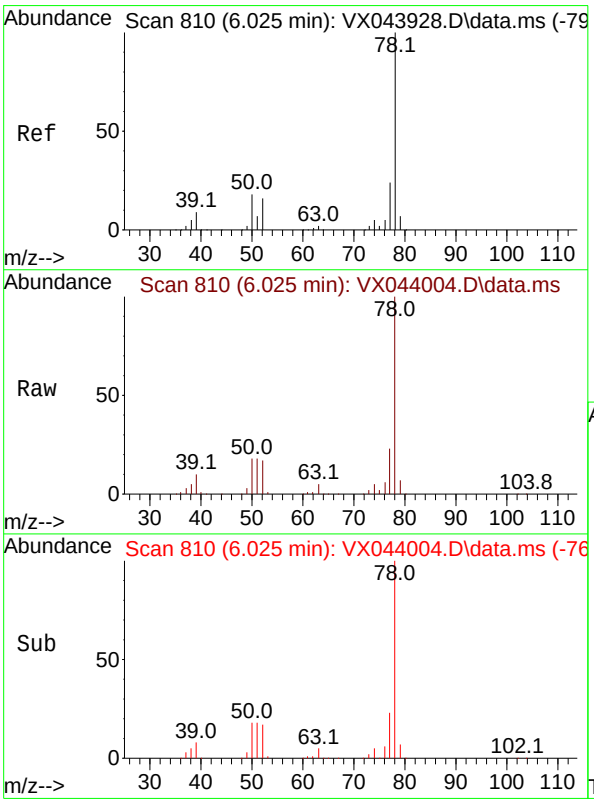
Ion	Ratio	Lower	Upper
83	100		
55	78.1	63.1	94.7
98	54.9	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

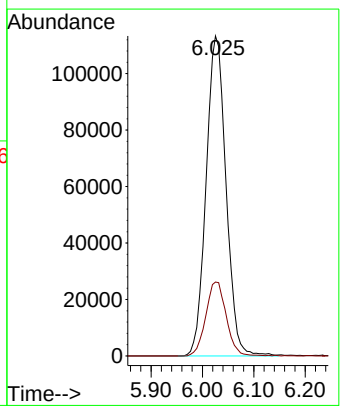
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

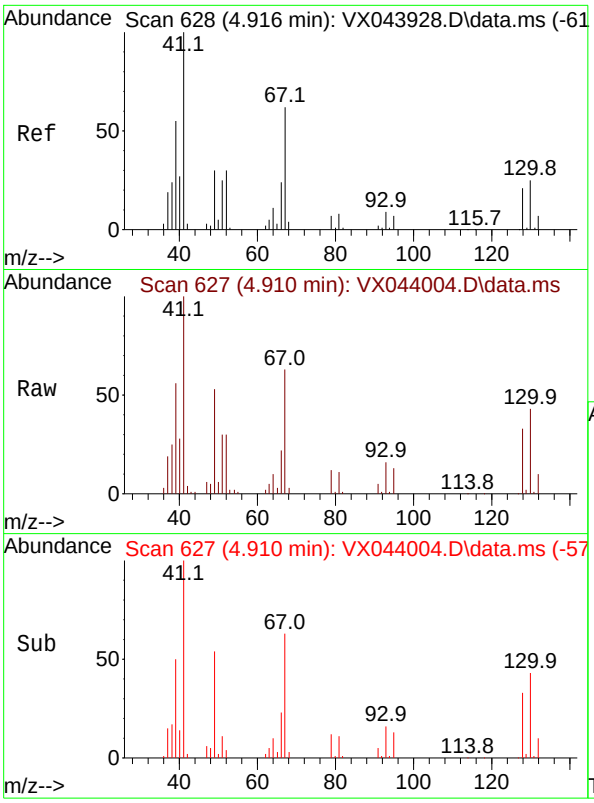


#40
Benzene
Concen: 48.176 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 78 Resp: 305074

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8

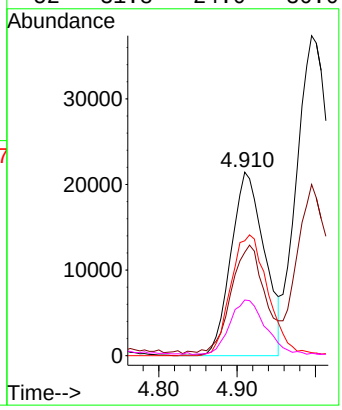




#41
Methacrylonitrile
Concen: 49.419 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 41 Resp: 6382

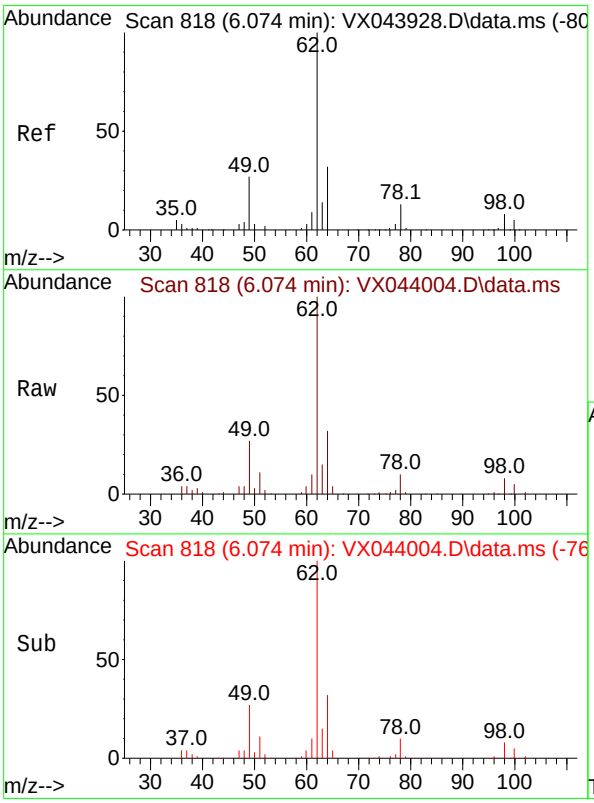
Ion	Ratio	Lower	Upper
41	100		
39	59.6	41.7	62.5
67	73.6	55.8	83.8
52	31.8	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

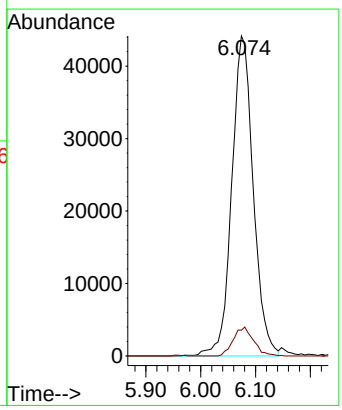
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

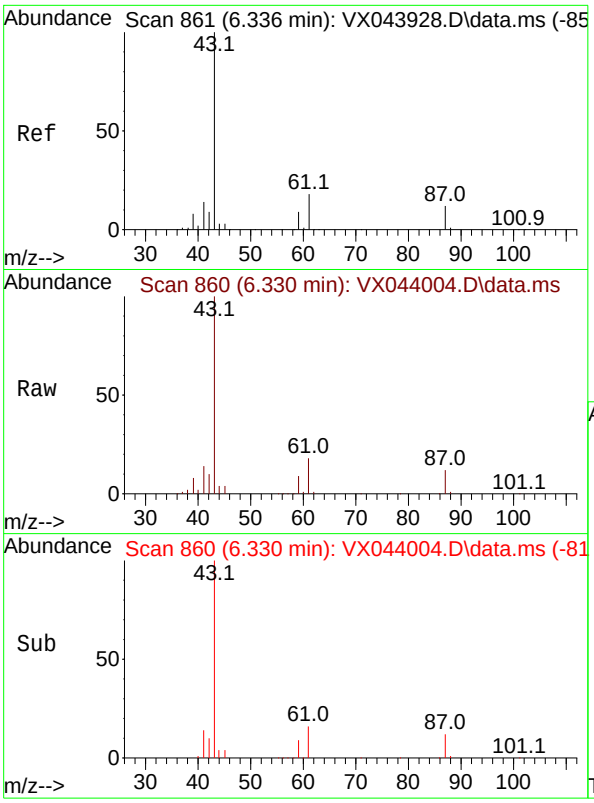


#42
1,2-Dichloroethane
Concen: 47.284 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 120257

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4

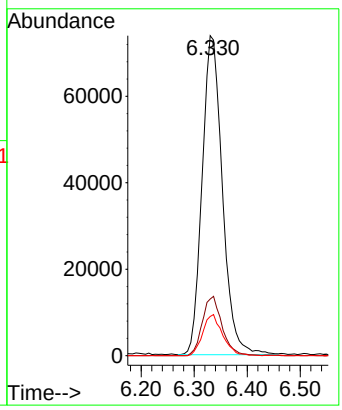




#43
Isopropyl Acetate
Concen: 48.957 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 19661

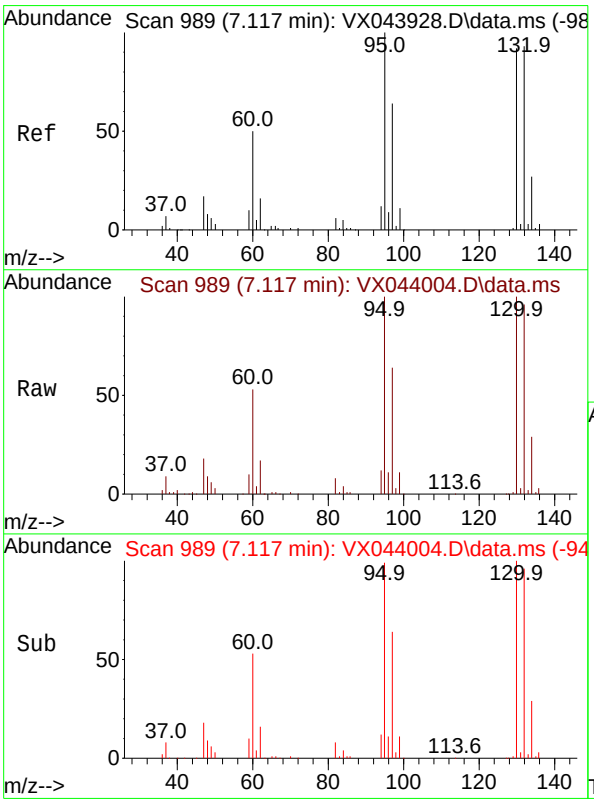
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	12.6	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

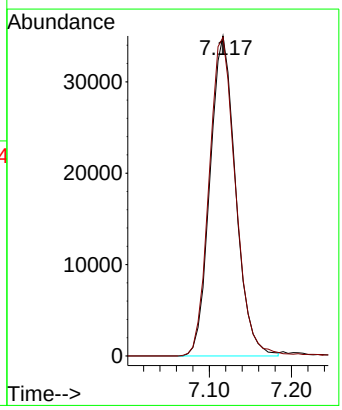
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

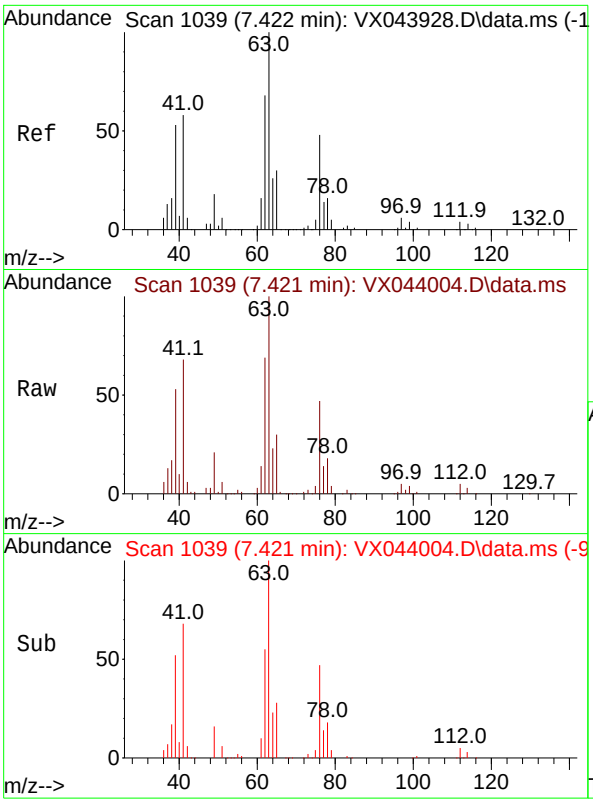


#44
Trichloroethene
Concen: 42.307 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:130 Resp: 75842

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	217.8





#45
1,2-Dichloropropane
Concen: 48.861 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

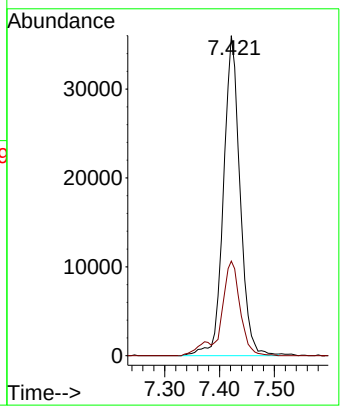
Tgt Ion: 63 Resp: 7578

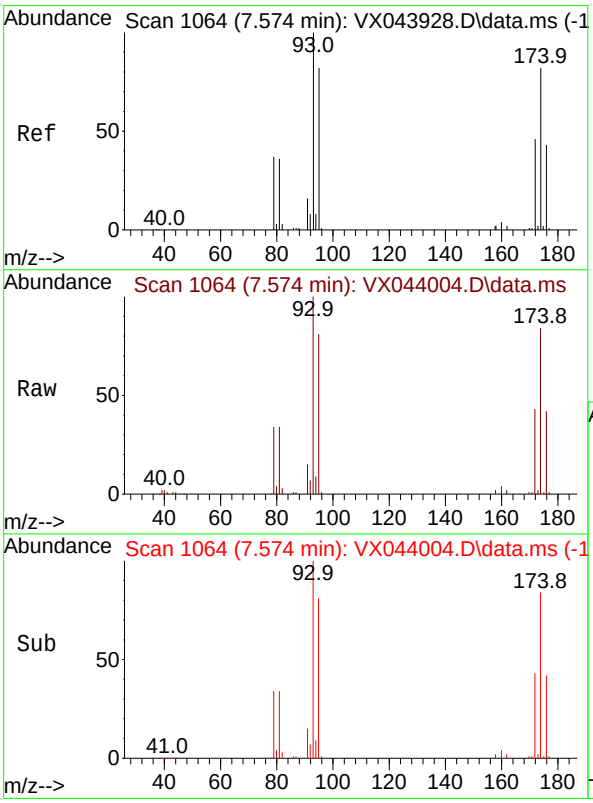
Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

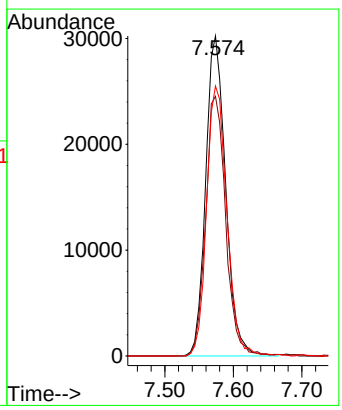


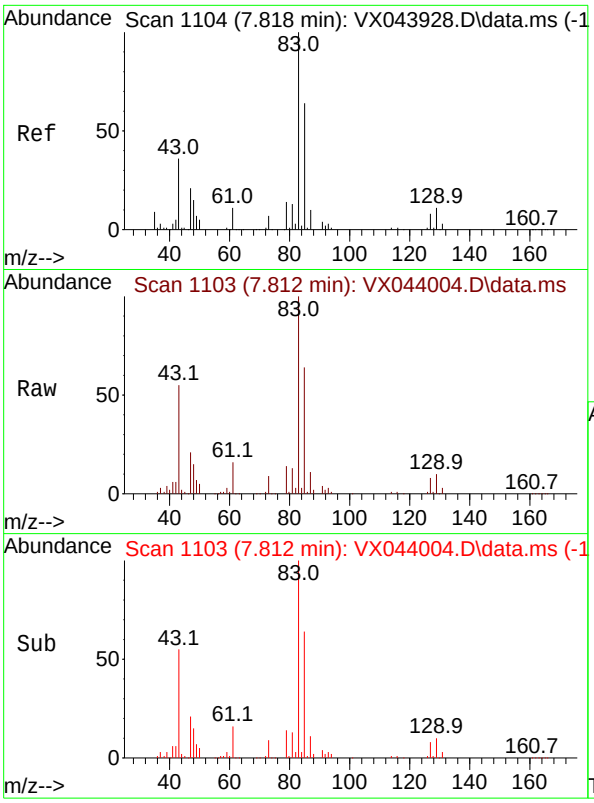


#46
Dibromomethane
Concen: 49.837 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 93 Resp: 61145

Ion	Ratio	Lower	Upper
93	100		
95	81.6	66.2	99.4
174	85.8	69.6	104.4

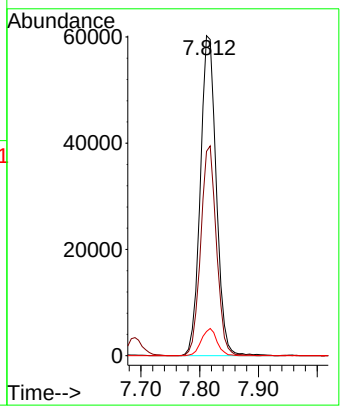




#47
Bromodichloromethane
Concen: 51.670 ug/l
RT: 7.812 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 83 Resp: 11369

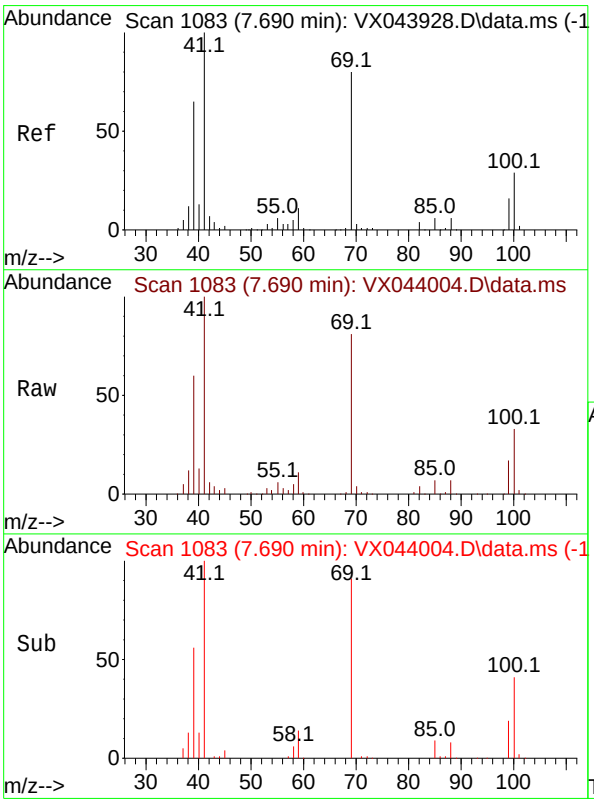
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0
127	7.6	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

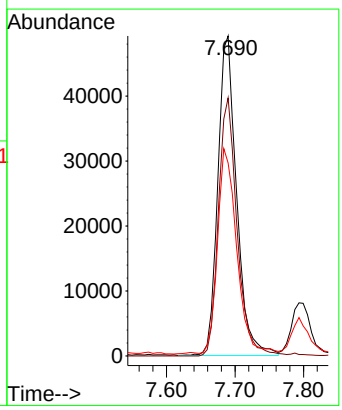
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

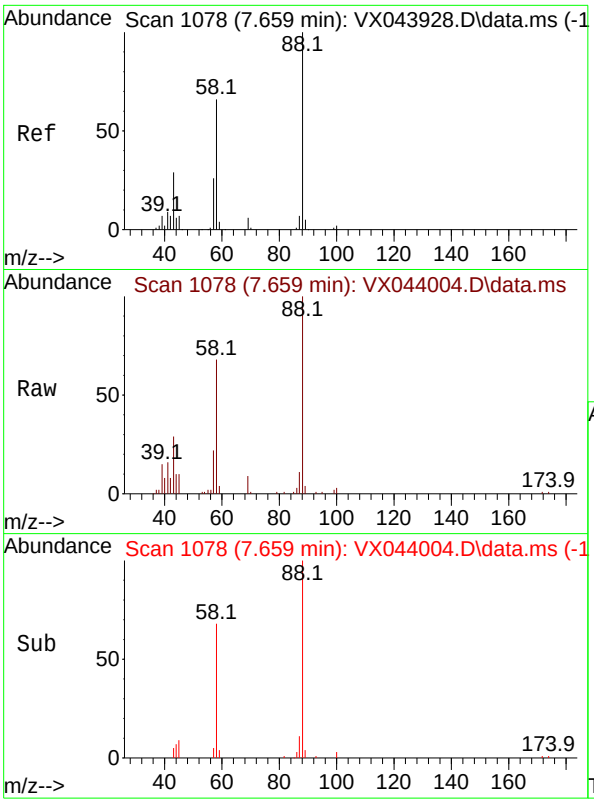


#48
Methyl methacrylate
Concen: 48.339 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 41 Resp: 93154

Ion	Ratio	Lower	Upper
41	100		
69	80.3	64.6	97.0
39	65.2	53.3	79.9





#49
1,4-Dioxane
Concen: 927.311 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

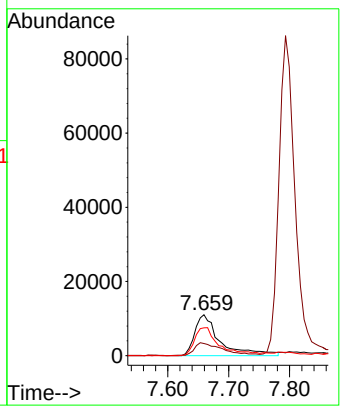
Tgt Ion: 88 Resp: 3183

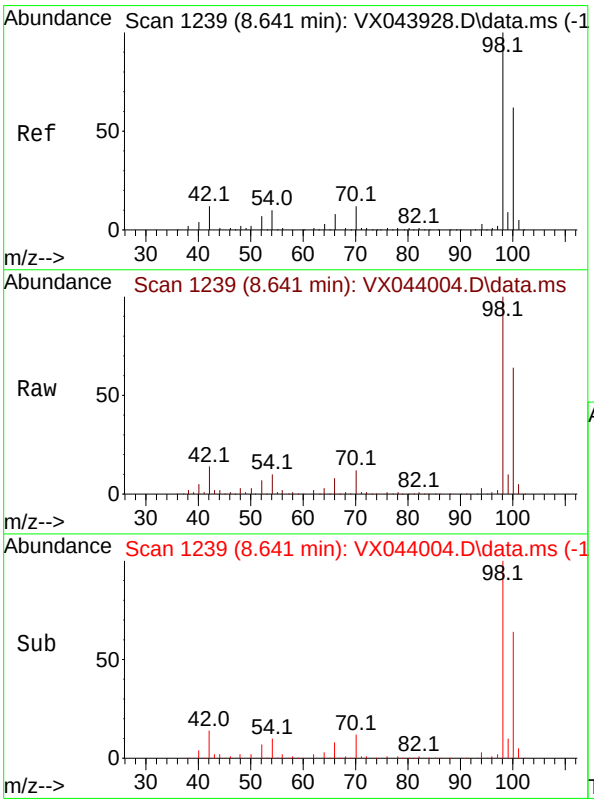
Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.8	40.2
58	67.0	45.4	68.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

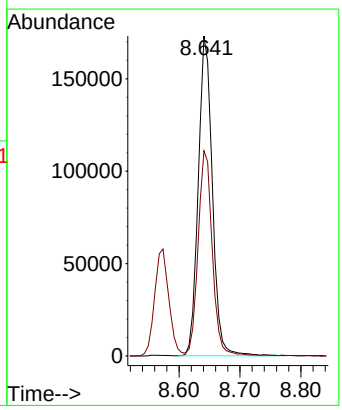


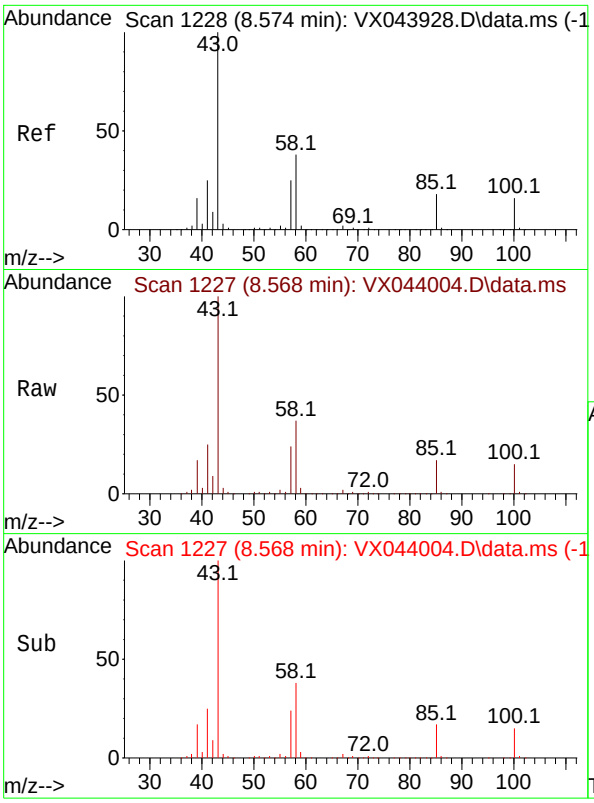


#50
Toluene-d8
Concen: 49.578 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 98 Resp: 278812

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	79.0

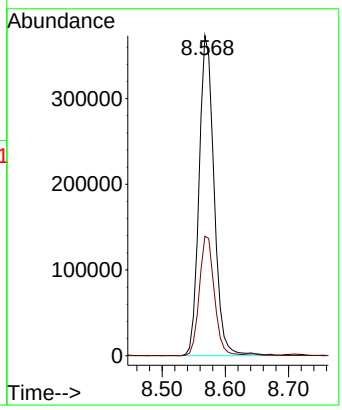




#51
4-Methyl-2-Pentanone
Concen: 251.920 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 61741

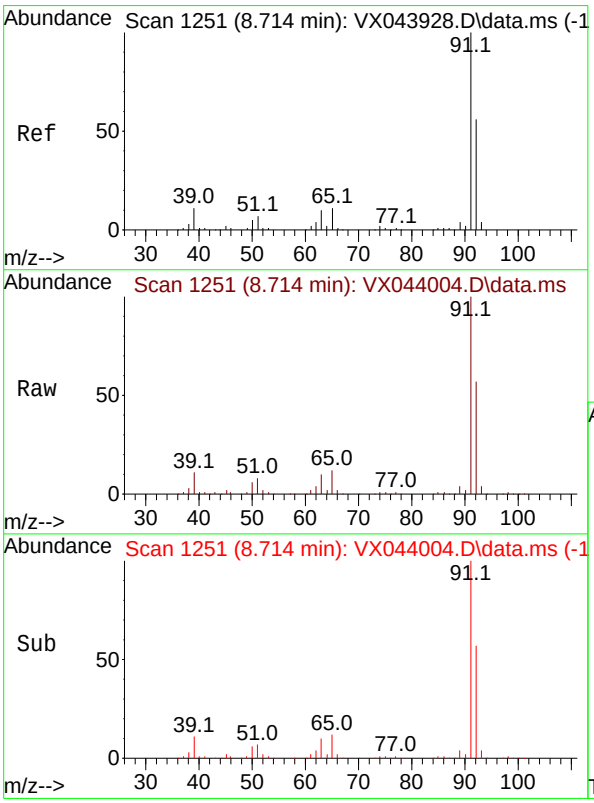
Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

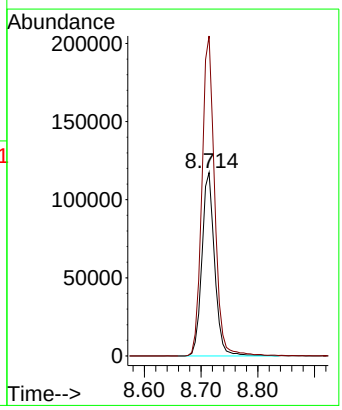
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

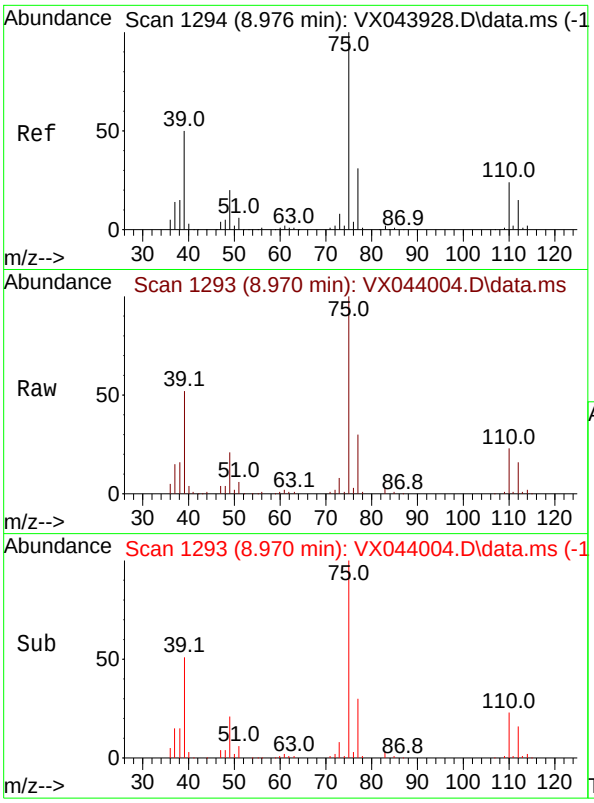


#52
Toluene
Concen: 48.472 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 92 Resp: 183717

Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.7	209.5





#53
t-1,3-Dichloropropene
Concen: 50.408 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

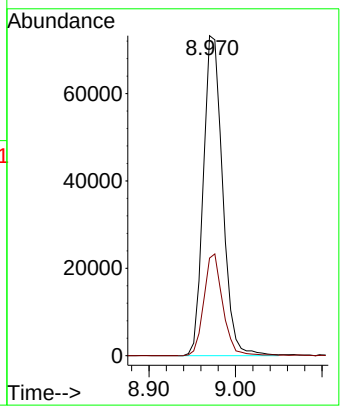
Tgt Ion: 75 Resp: 11310

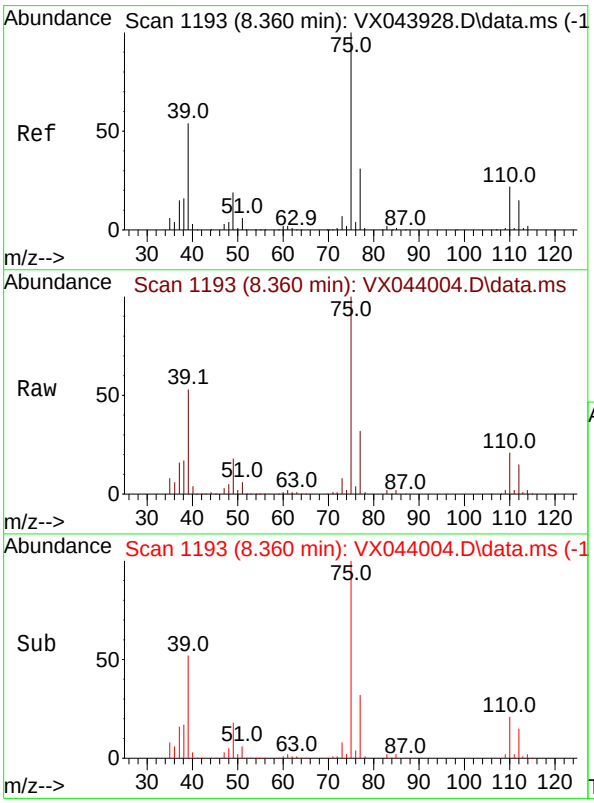
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

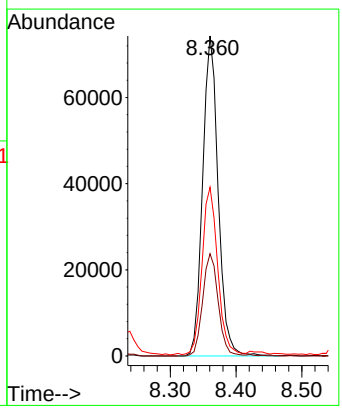


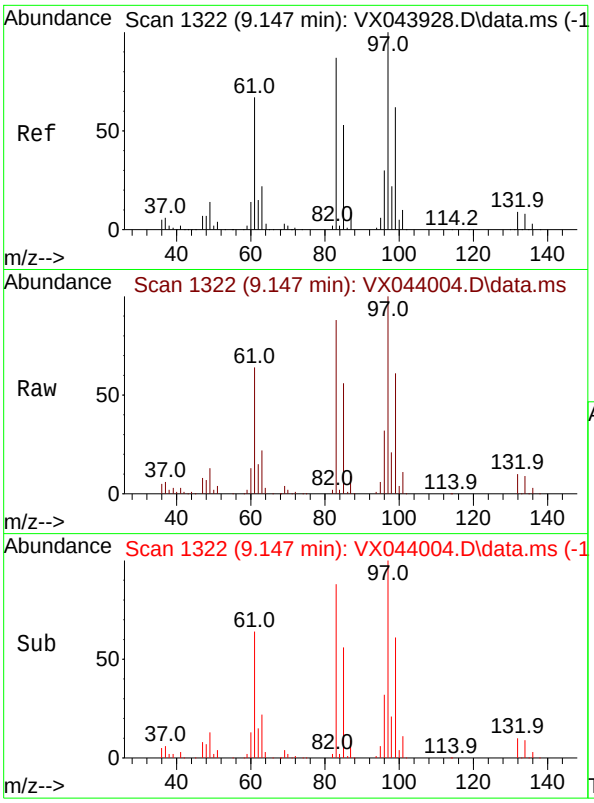


#54
cis-1,3-Dichloropropene
Concen: 49.594 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 121994

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	51.9	43.1	64.7

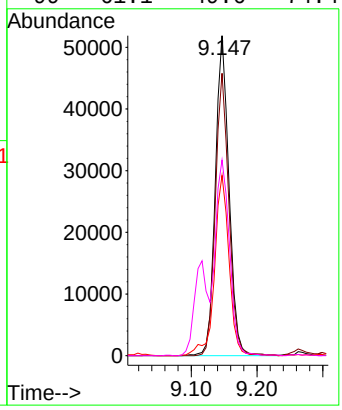




#55
1,1,2-Trichloroethane
Concen: 47.934 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 97 Resp: 7499

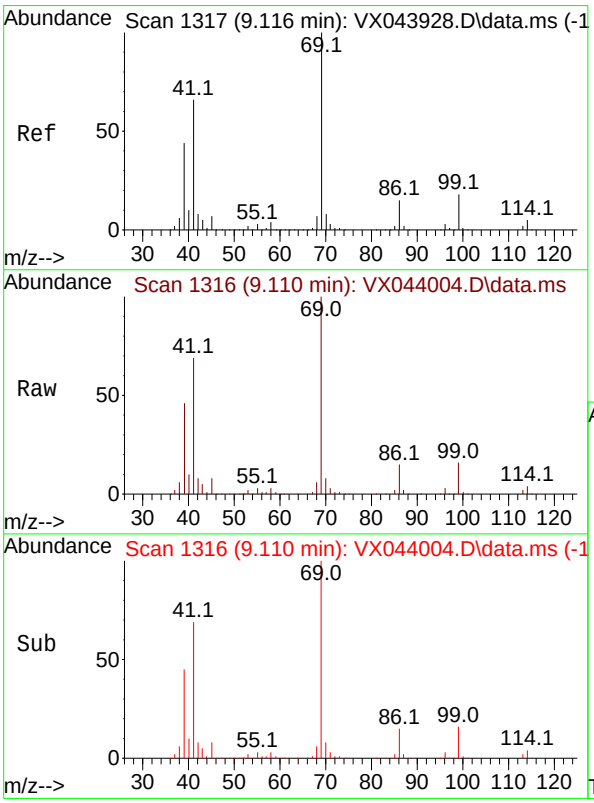
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.0
85	56.4	42.3	63.5
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

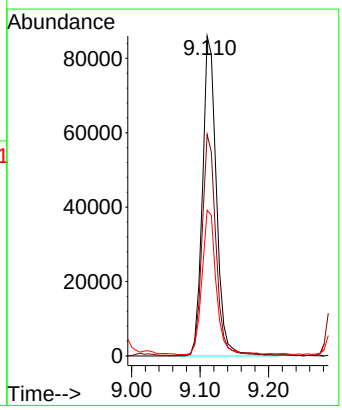
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

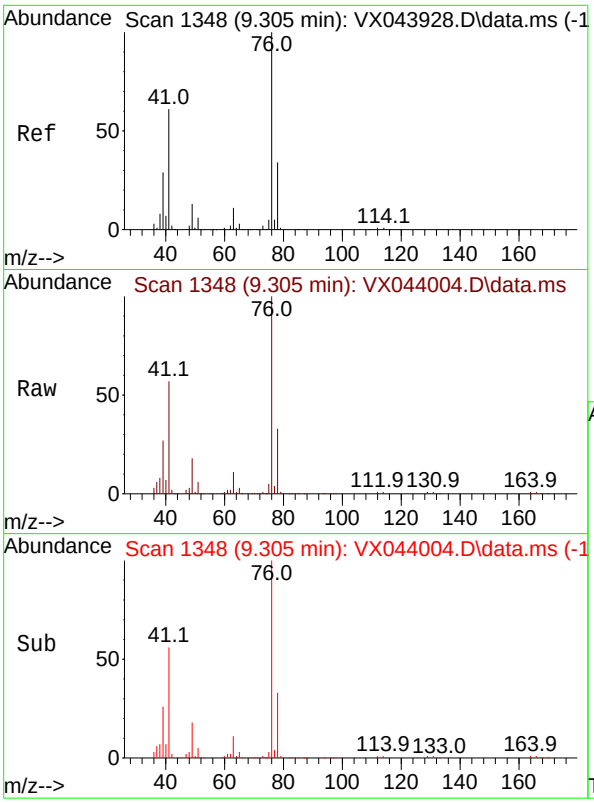


#56
Ethyl methacrylate
Concen: 50.030 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 69 Resp: 121922

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.8	83.8
39	45.3	36.7	55.1

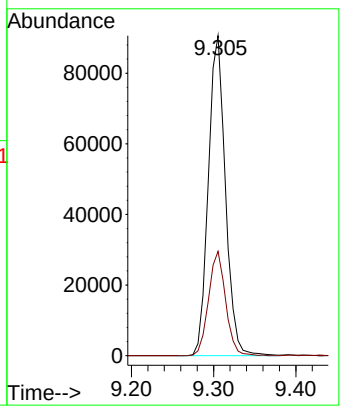




#57
1,3-Dichloropropane
Concen: 49.593 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 76 Resp: 13070

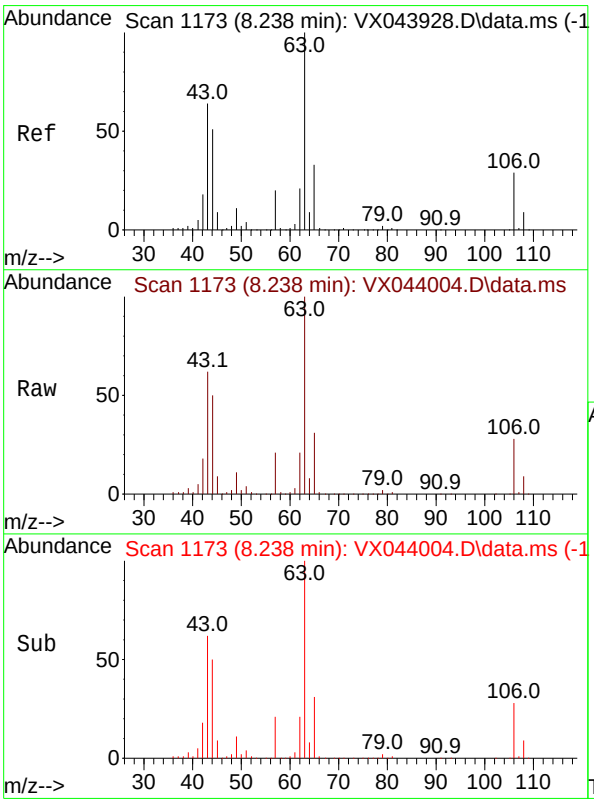
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

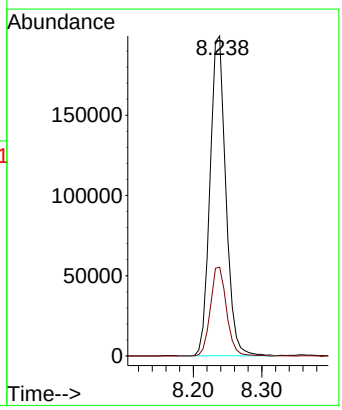
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

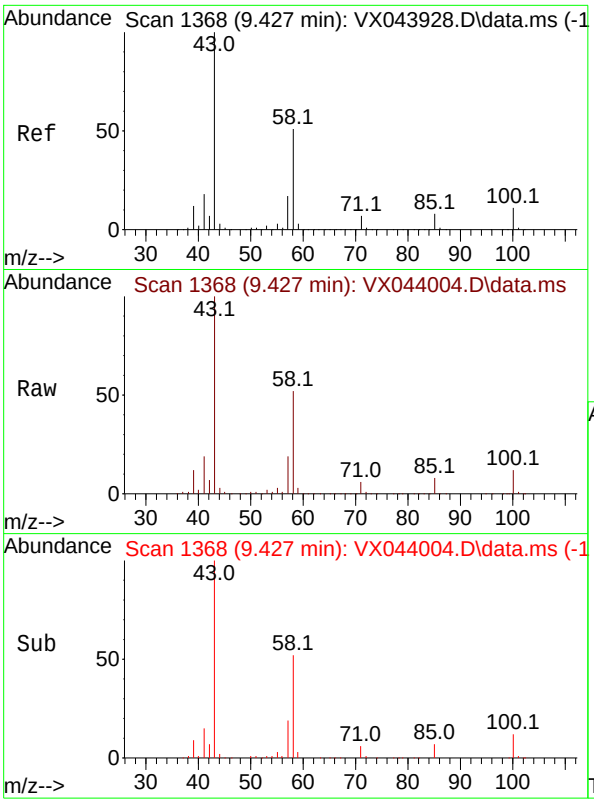


#58
2-Chloroethyl Vinyl ether
Concen: 239.296 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 63 Resp: 319778

Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6





#59
2-Hexanone
Concen: 258.897 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

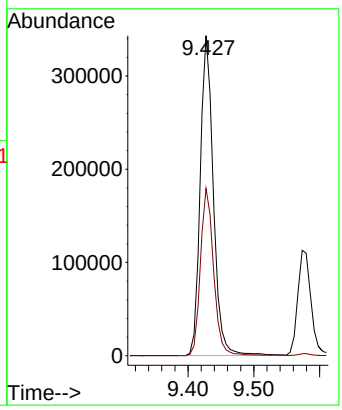
Tgt Ion: 43 Resp: 47691

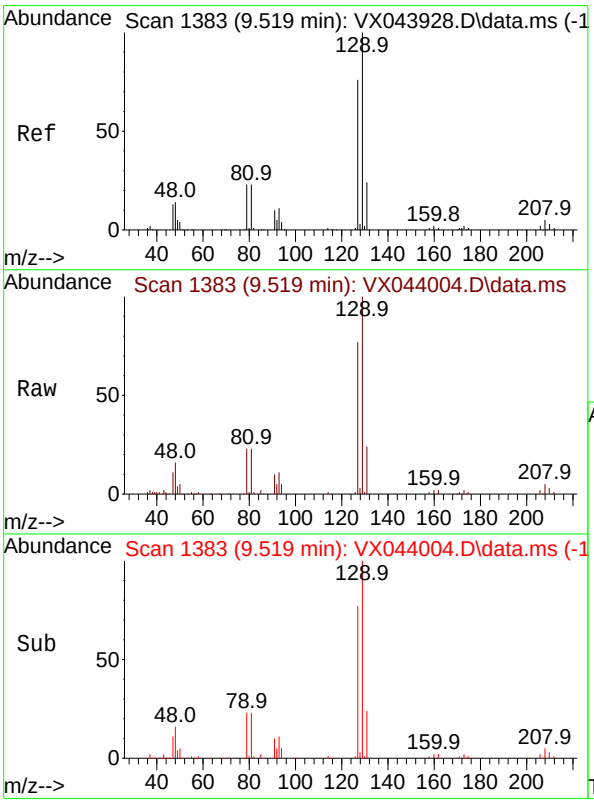
Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

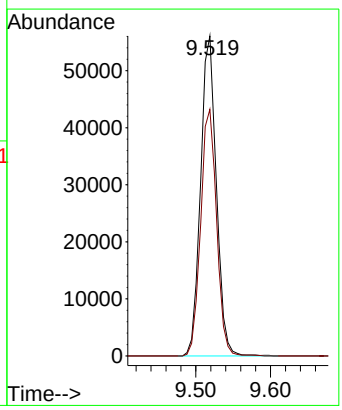


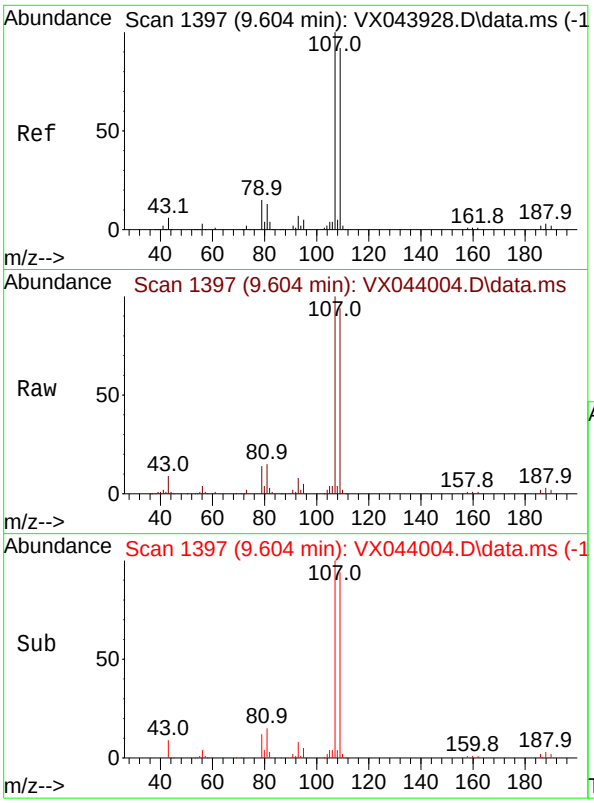


#60
Dibromochloromethane
Concen: 52.290 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:129 Resp: 82084

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.2	114.6





#61
1,2-Dibromoethane
Concen: 49.979 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

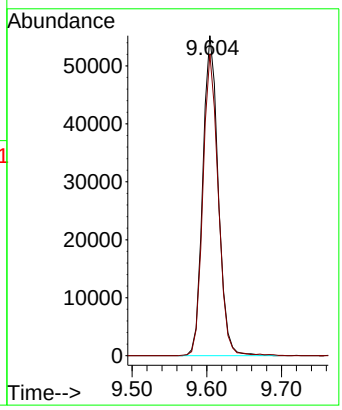
Tgt Ion:107 Resp: 7906

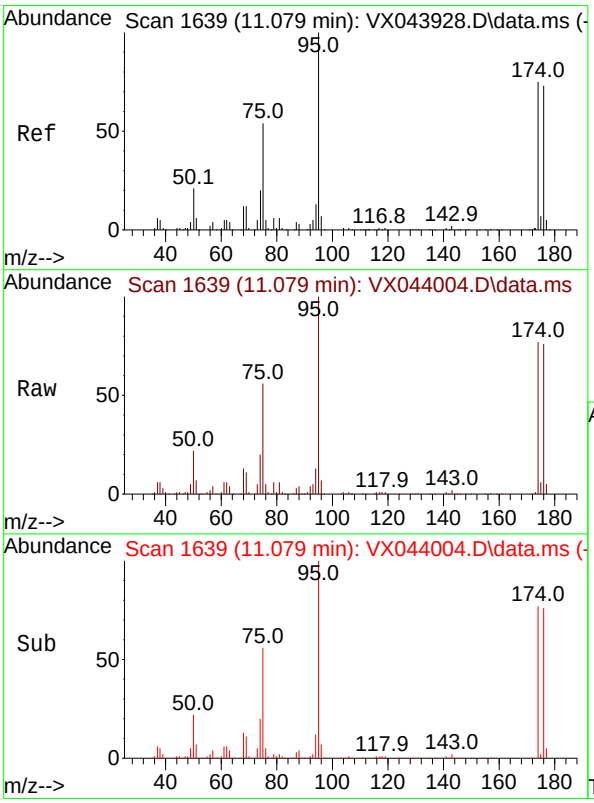
Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

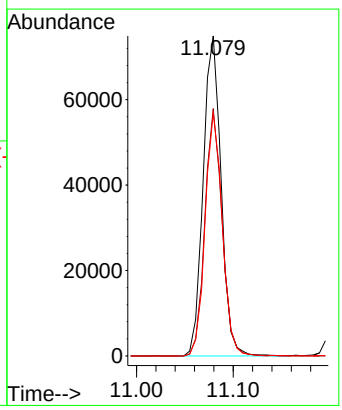


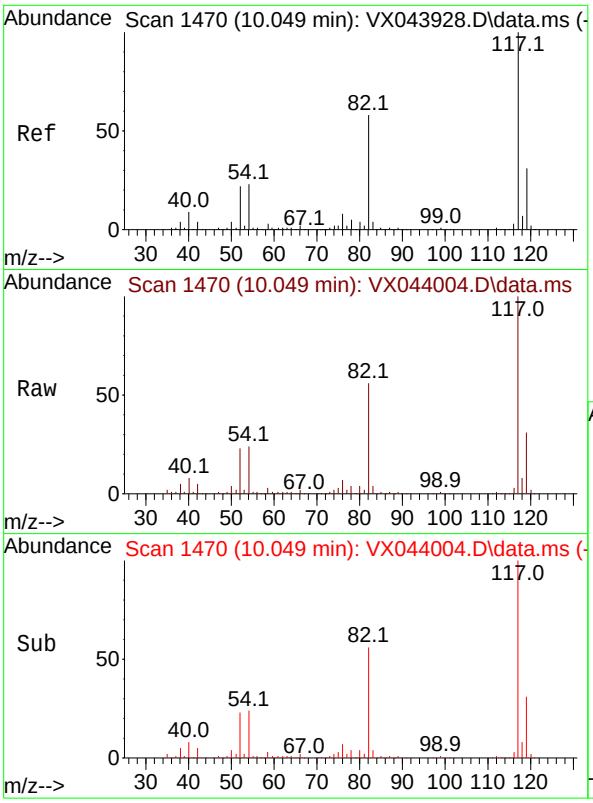


#62
4-Bromofluorobenzene
Concen: 50.484 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 95 Resp: 96622

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.4
176	73.0	0.0	146.0

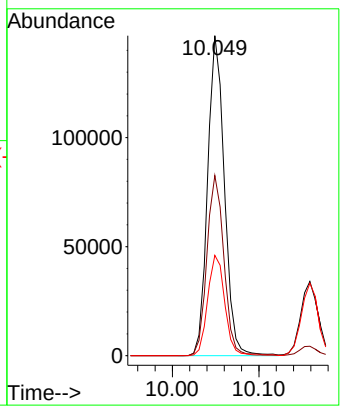




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:117 Resp: 19752

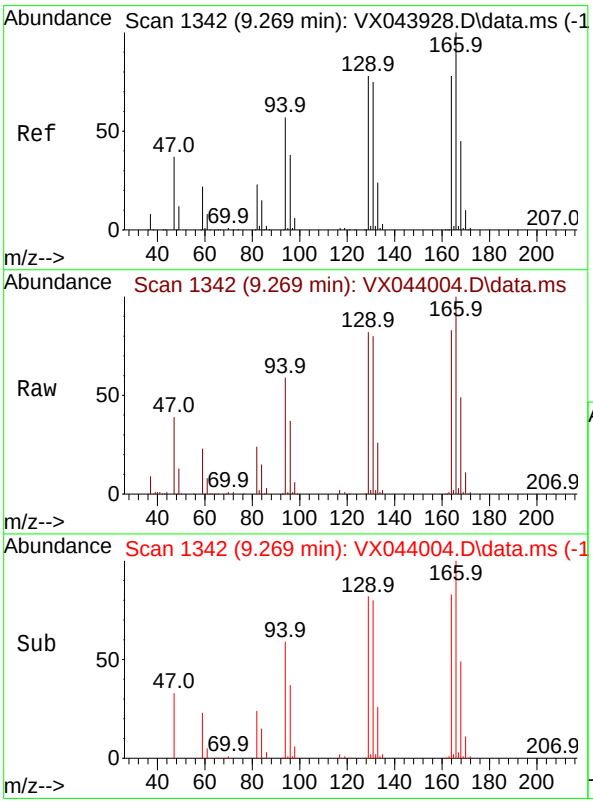
Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.4	69.6
119	31.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

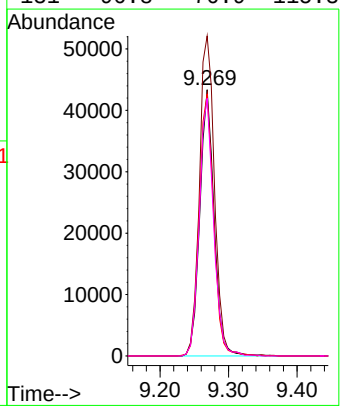
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

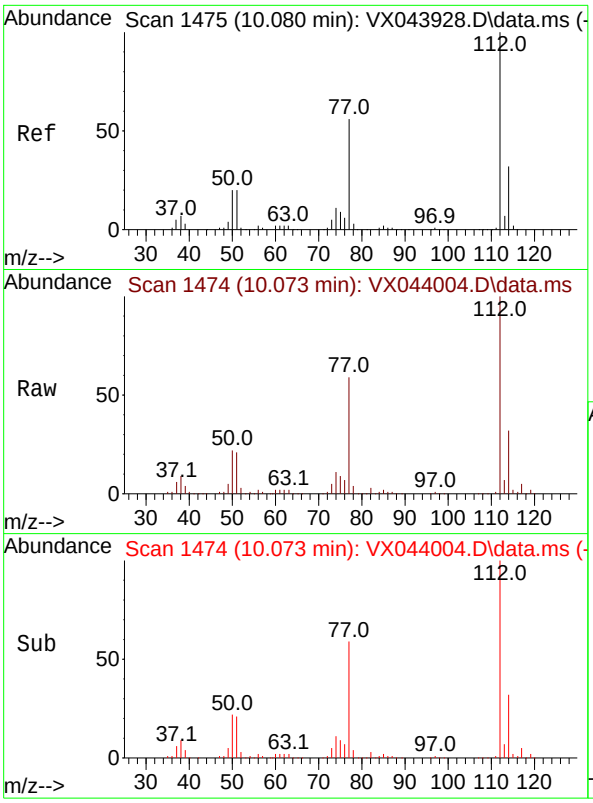


#64
Tetrachloroethene
Concen: 48.121 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:164 Resp: 62677

Ion	Ratio	Lower	Upper
164	100		
166	120.2	102.1	153.1
129	98.4	79.6	119.4
131	96.8	76.9	115.3





#65
Chlorobenzene
Concen: 46.996 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

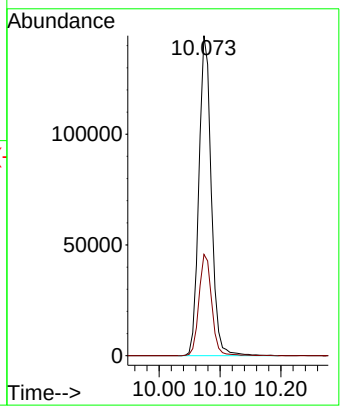
Tgt Ion:112 Resp: 20388

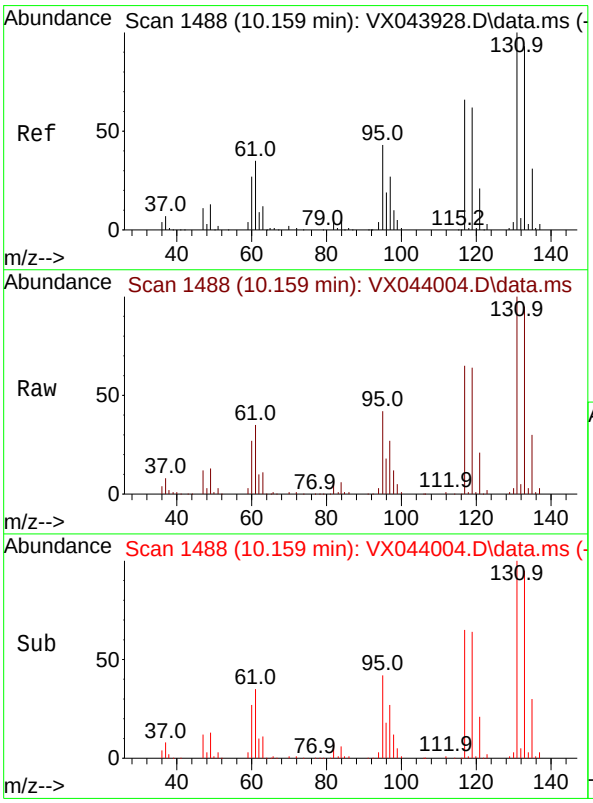
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

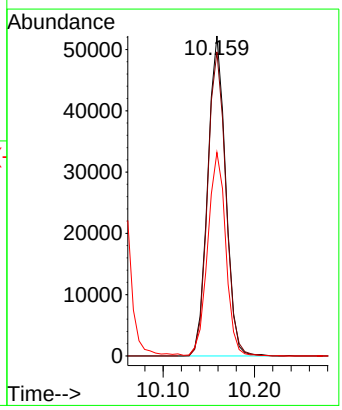


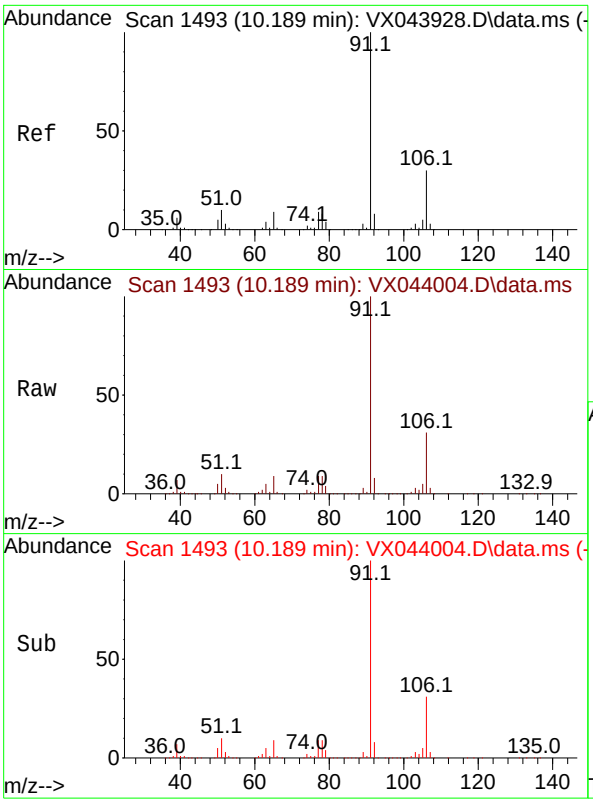


#66
1,1,1,2-Tetrachloroethane
Concen: 50.392 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:131 Resp: 70900

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.2	144.6
119	64.0	31.5	94.5





#67
Ethyl Benzene
Concen: 48.325 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

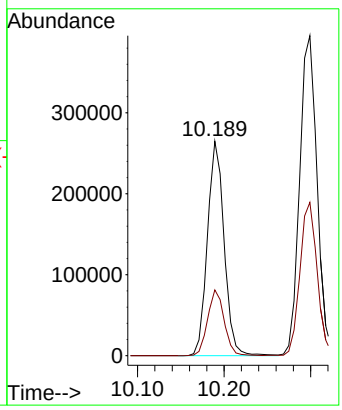
Tgt Ion: 91 Resp: 35524

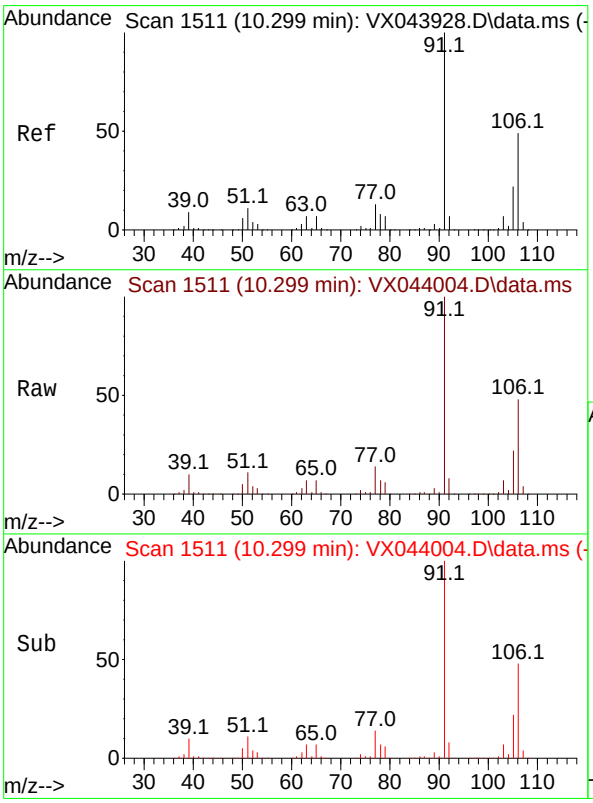
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

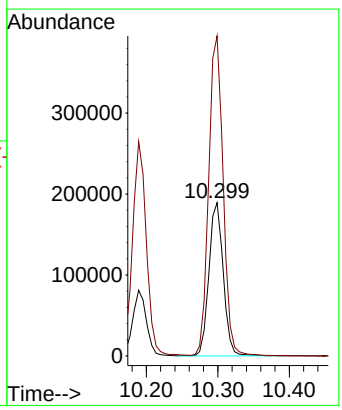


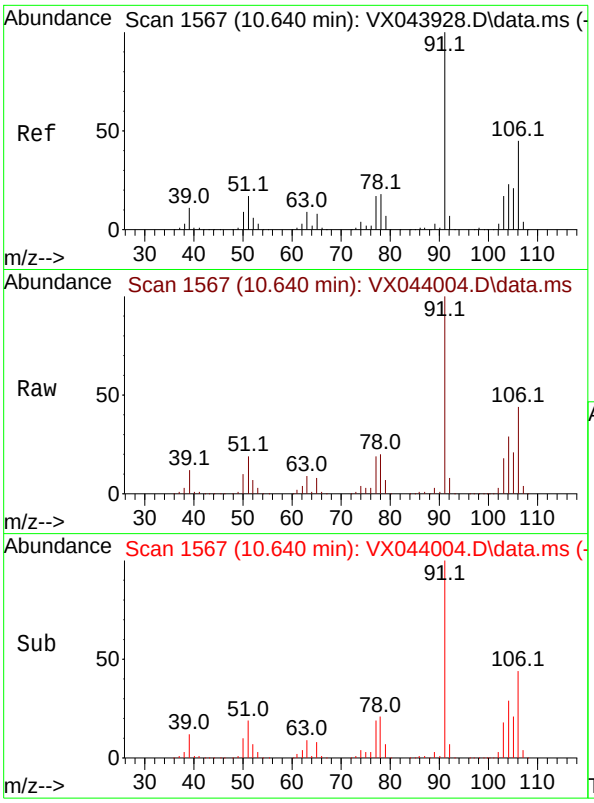


#68
m/p-Xylenes
Concen: 96.088 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:106 Resp: 263420

Ion	Ratio	Lower	Upper
106	100		
91	210.8	168.1	252.1

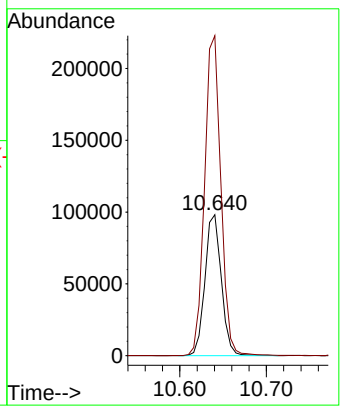




#69
o-Xylene
Concen: 48.254 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:106 Resp: 12915

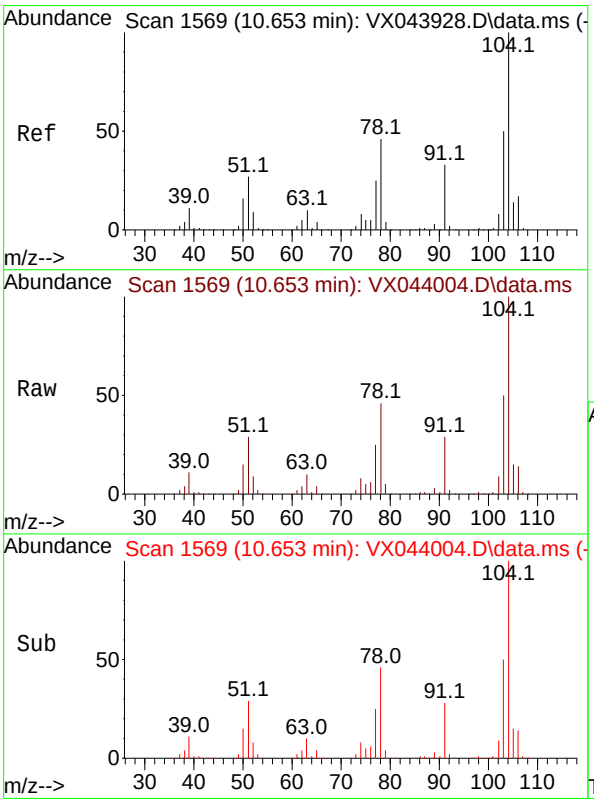
Ion	Ratio	Lower	Upper
106	100		
91	225.6	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

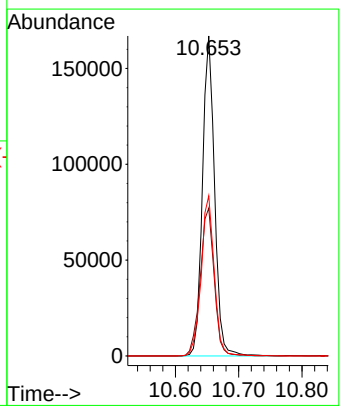
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

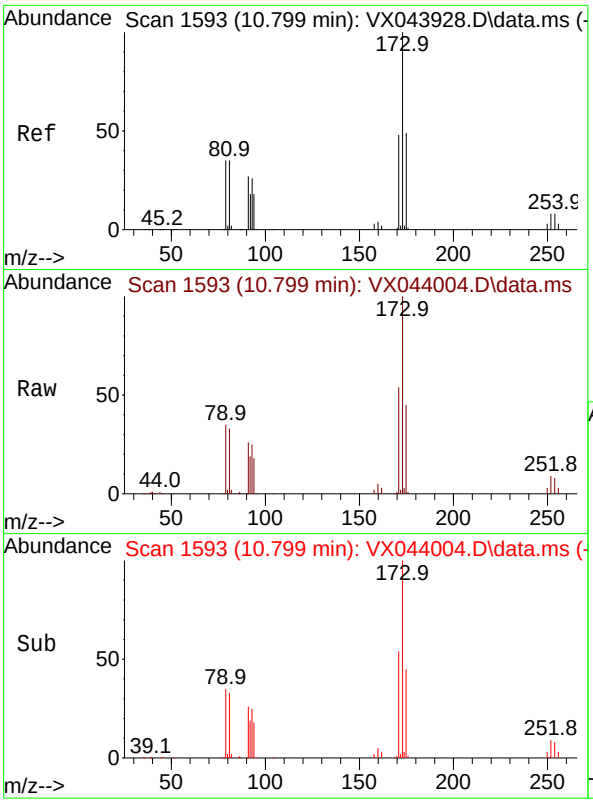


#70
Styrene
Concen: 50.399 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:104 Resp: 223116

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.2
103	54.3	44.7	67.1

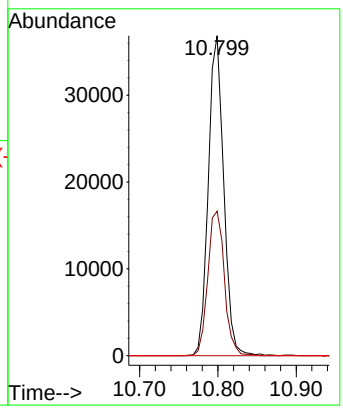




#71
Bromoform
Concen: 47.213 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:173 Resp: 5024

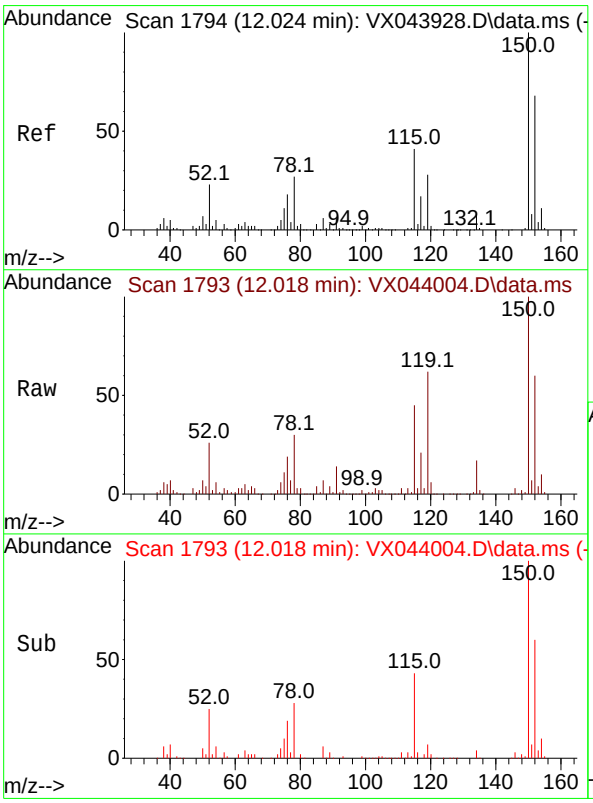
Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

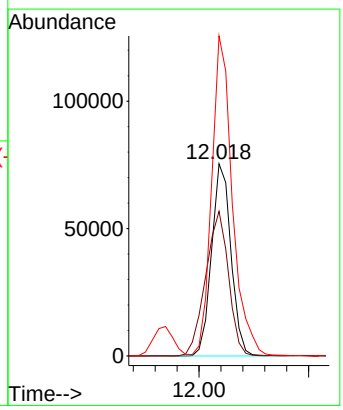
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

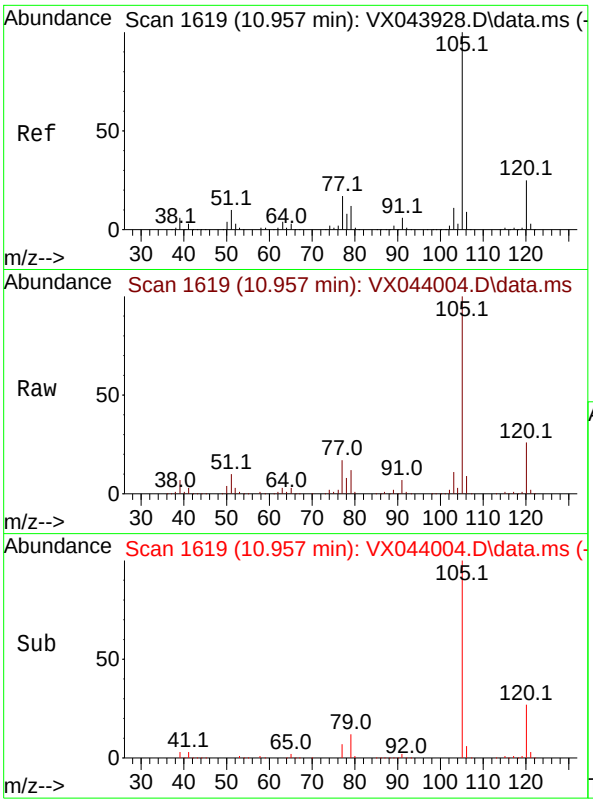


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:152 Resp: 92620

Ion	Ratio	Lower	Upper
152	100		
115	88.8	45.4	136.2
150	177.7	0.0	353.0

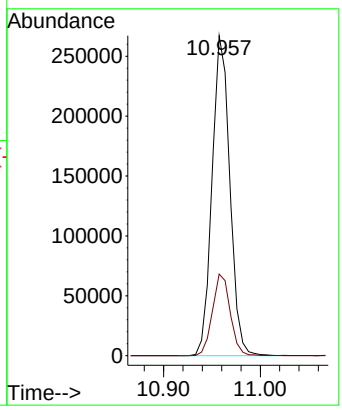




#73
Isopropylbenzene
Concen: 47.752 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:105 Resp: 33997

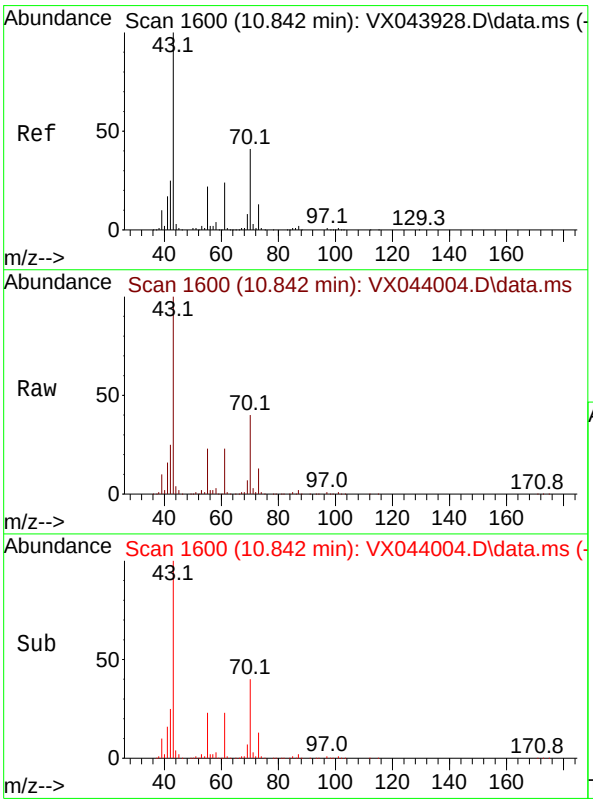
Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

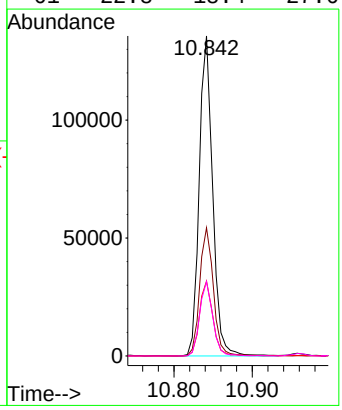
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

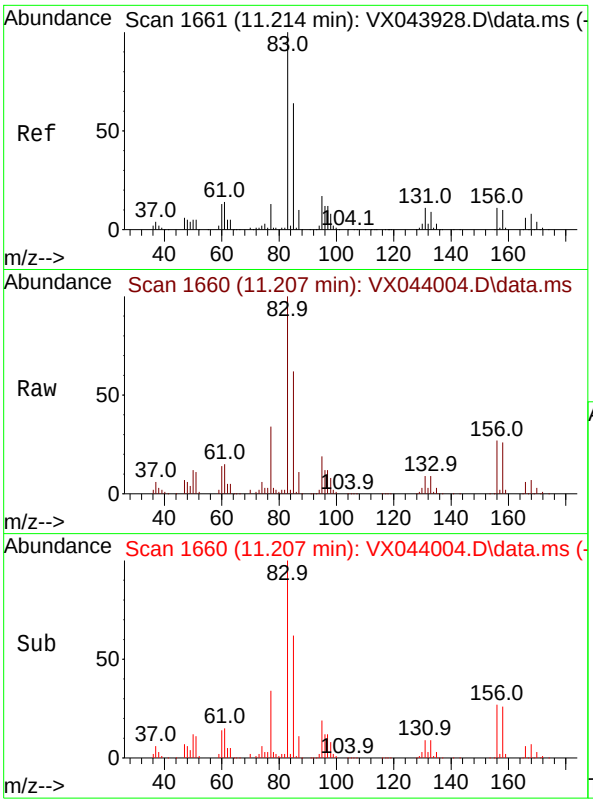


#74
N-amyl acetate
Concen: 49.007 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 161635

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.2	48.2
55	23.2	18.1	27.1
61	22.8	18.4	27.6





#75
1,1,2,2-Tetrachloroethane
Concen: 48.146 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

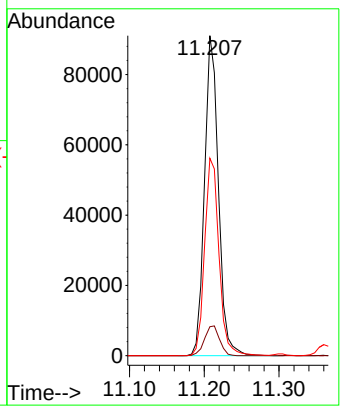
Tgt Ion: 83 Resp: 11737

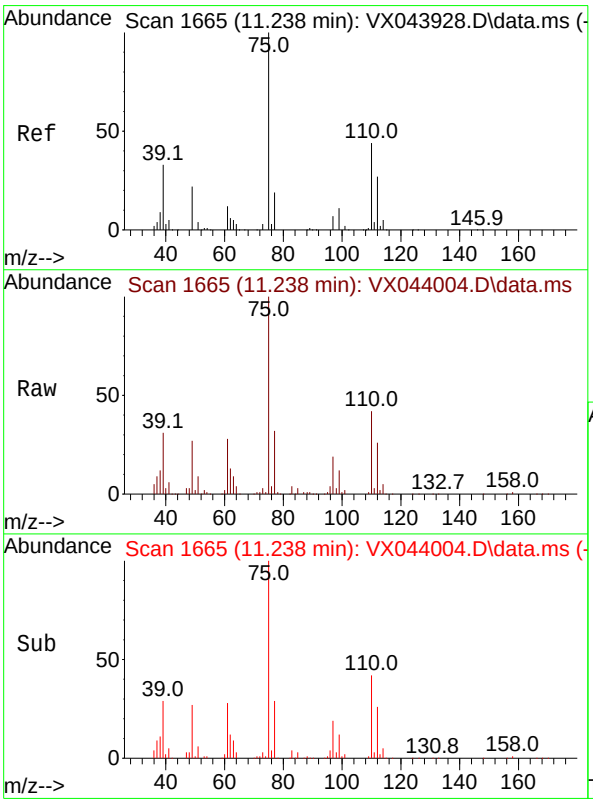
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.0	32.2	96.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

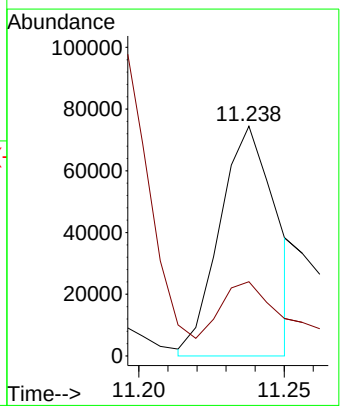


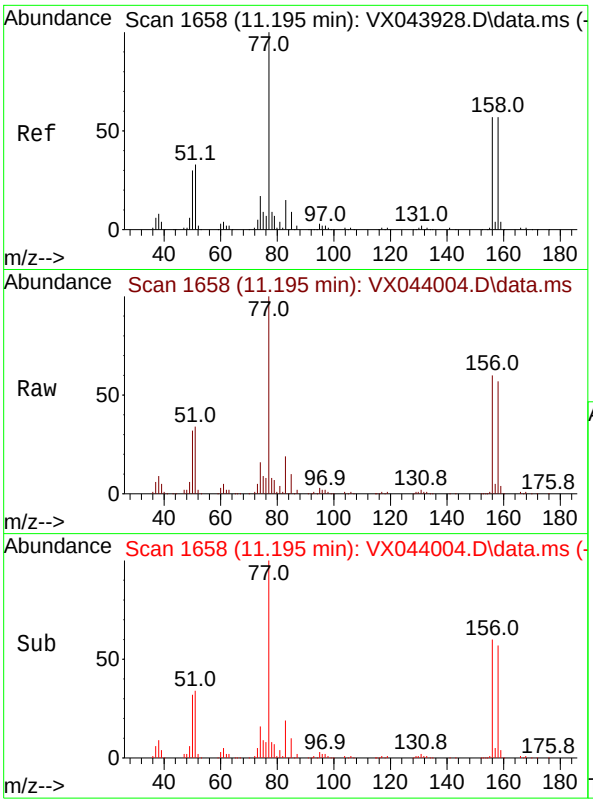


#76
1,2,3-Trichloropropane
Concen: 49.166 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 99863

Ion	Ratio	Lower	Upper
75	100		
77	41.3	21.8	65.3

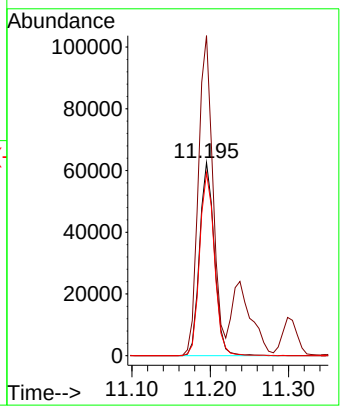




#77
Bromobenzene
Concen: 48.072 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:156 Resp: 8164

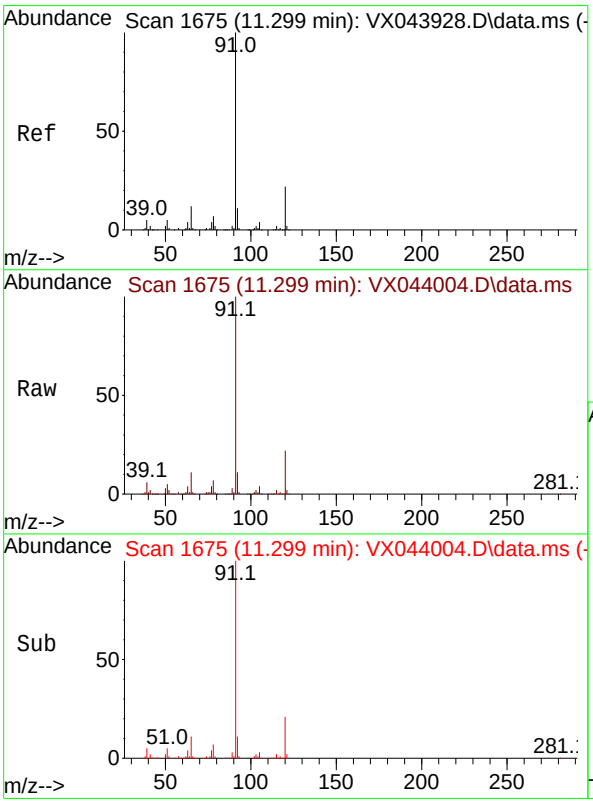
Ion	Ratio	Lower	Upper
156	100		
77	164.7	83.4	250.1
158	95.4	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

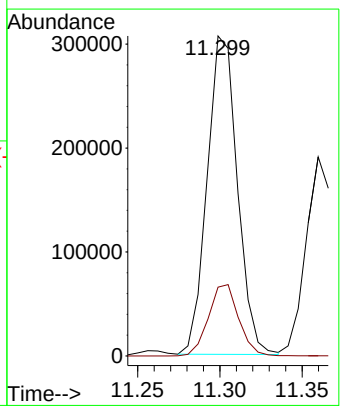
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

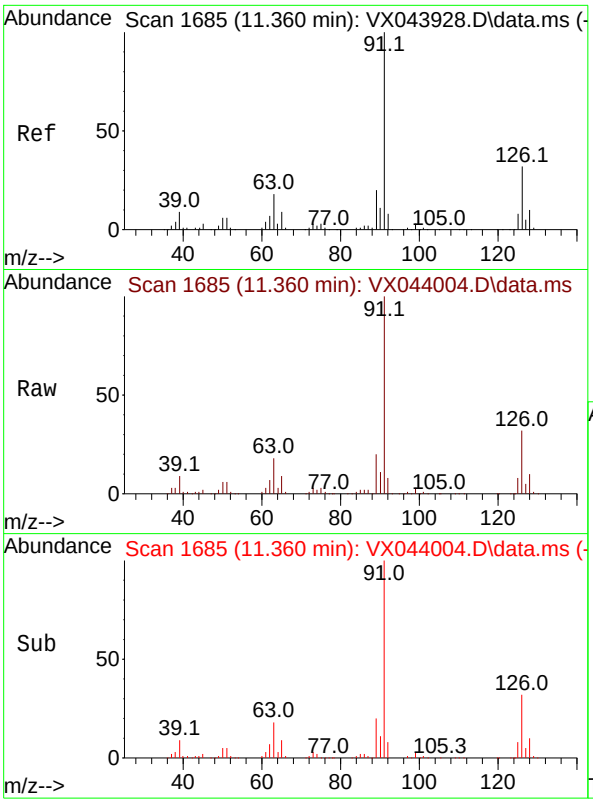


#78
n-propylbenzene
Concen: 49.273 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 391796

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4





#79
2-Chlorotoluene
Concen: 46.549 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

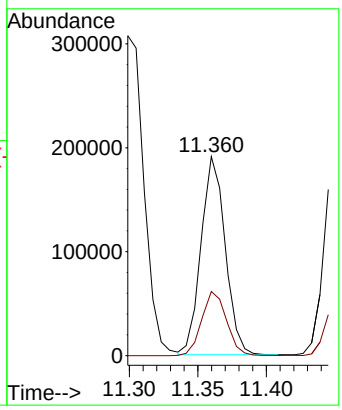
Tgt Ion: 91 Resp: 23405

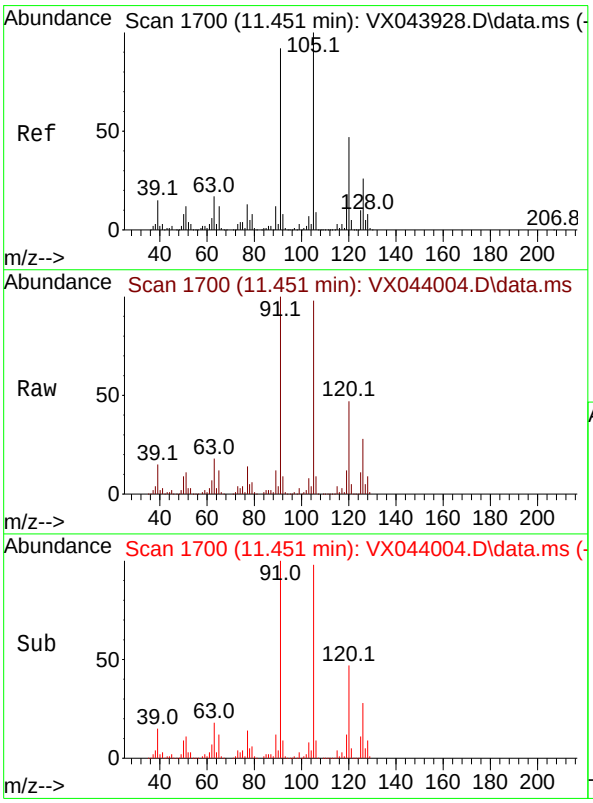
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

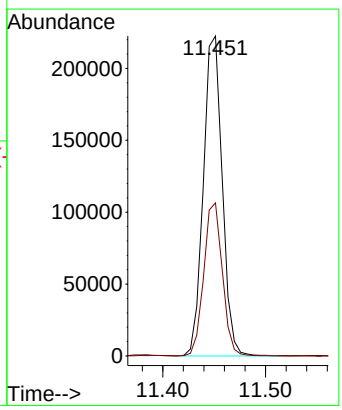


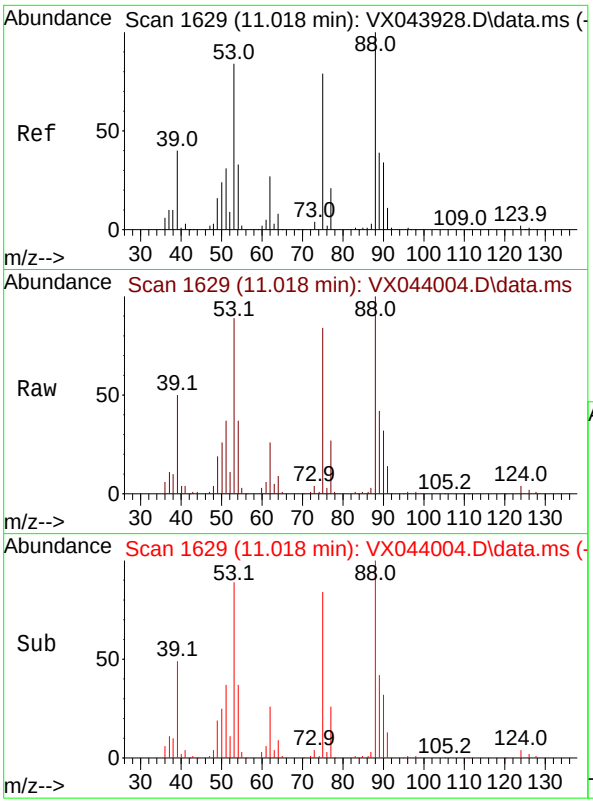


#80
1,3,5-Trimethylbenzene
Concen: 48.750 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:105 Resp: 285548

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8

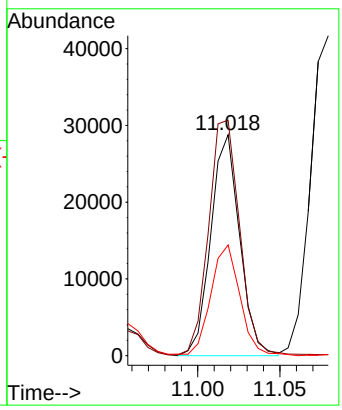




#81
trans-1,4-Dichloro-2-butene
Concen: 47.385 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 3527

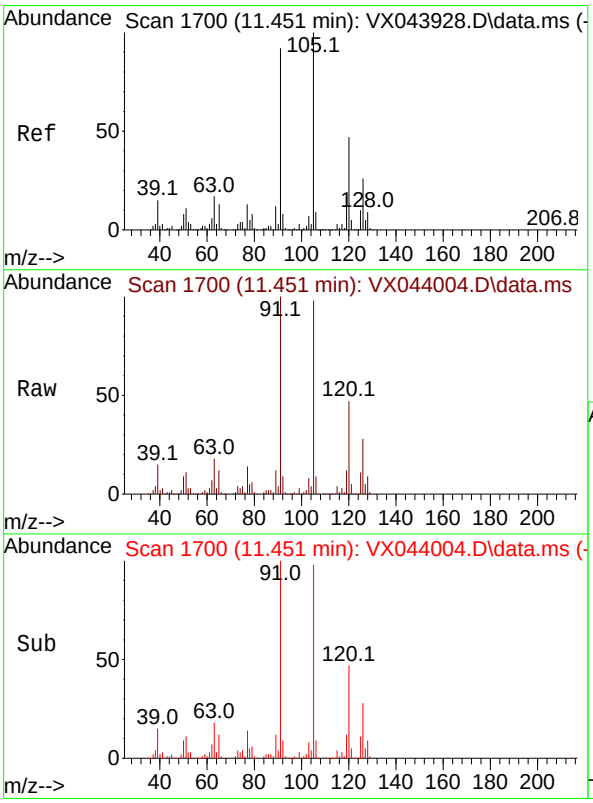
Ion	Ratio	Lower	Upper
75	100		
53	115.1	86.7	130.1
89	50.7	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

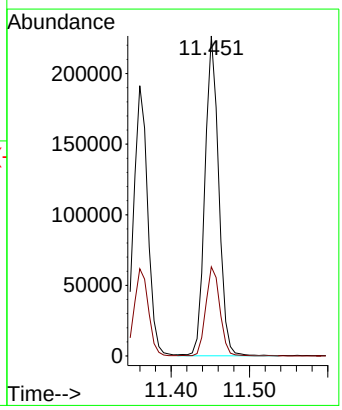
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

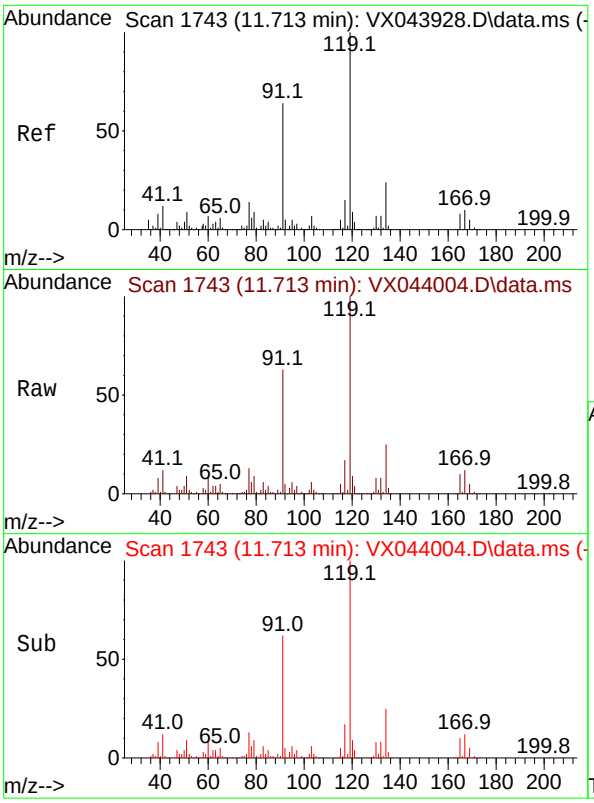


#82
4-Chlorotoluene
Concen: 48.649 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 276164

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.3	42.9

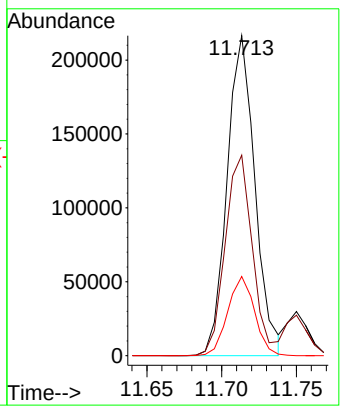




#83
tert-Butylbenzene
Concen: 48.392 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:119 Resp: 28094

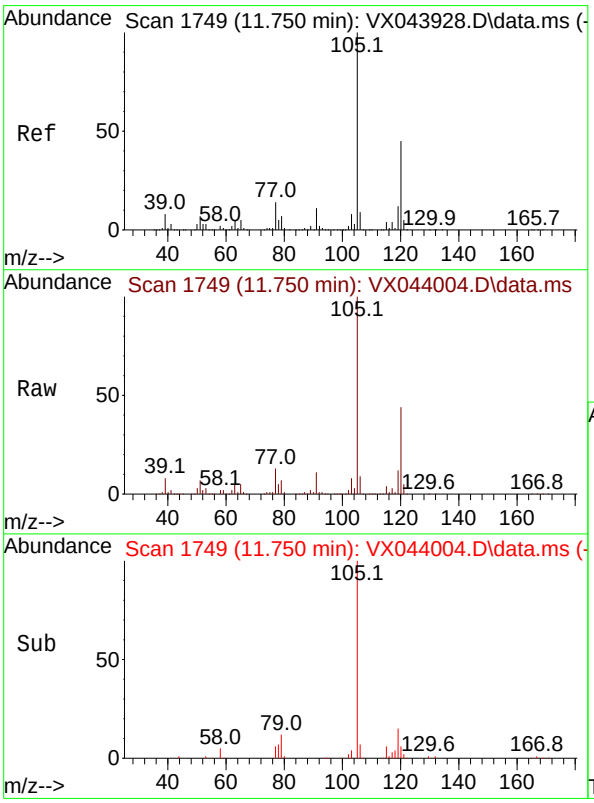
Ion	Ratio	Lower	Upper
119	100		
91	60.5	31.0	93.0
134	23.8	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

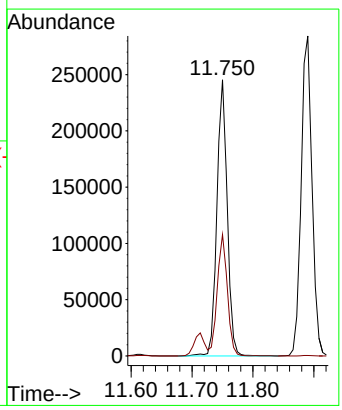
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

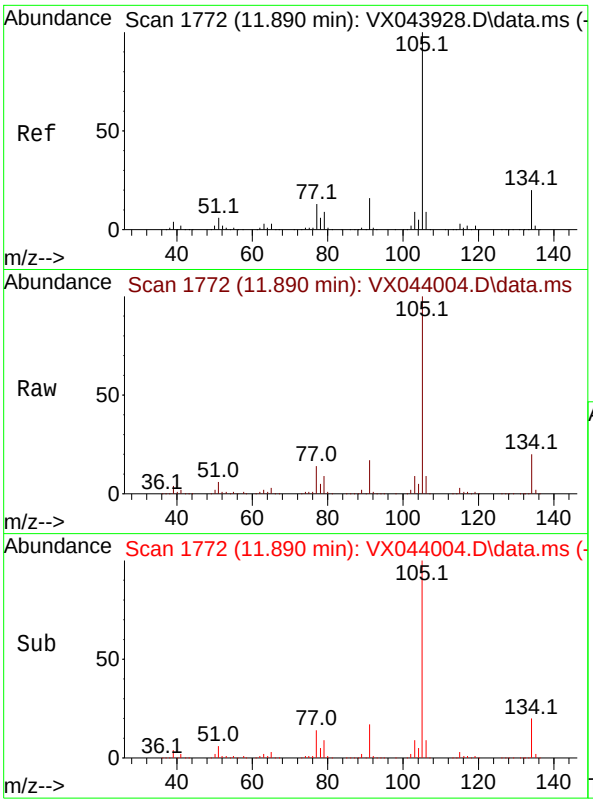


#84
1,2,4-Trimethylbenzene
Concen: 49.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:105 Resp: 288545

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.7





#85
sec-Butylbenzene
Concen: 49.271 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

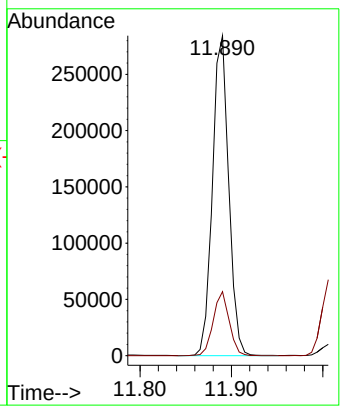
Tgt Ion:105 Resp: 35047

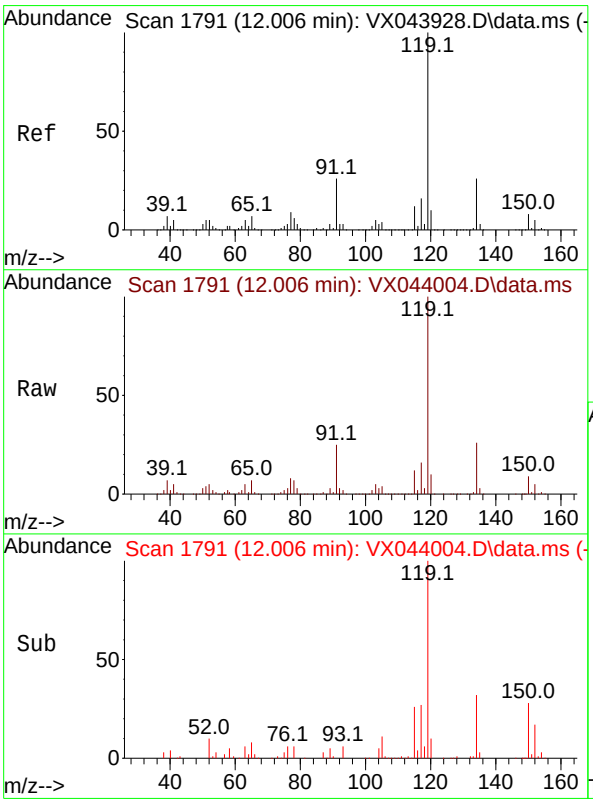
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

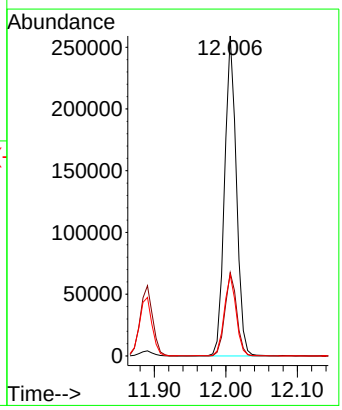


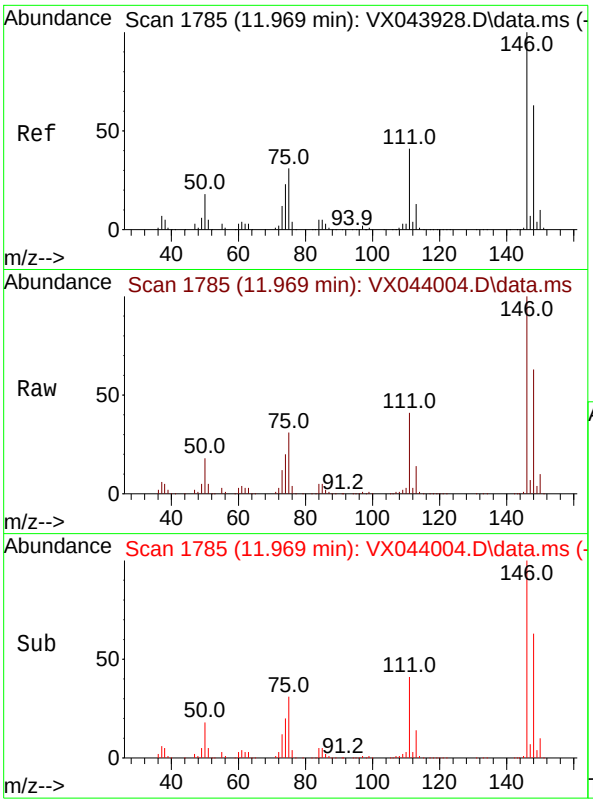


#86
p-Isopropyltoluene
Concen: 51.525 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:119 Resp: 297712

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.4	13.0	38.9

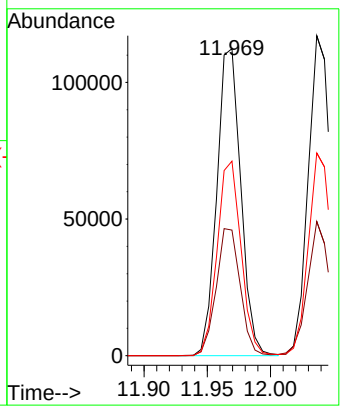




#87
1,3-Dichlorobenzene
Concen: 47.812 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:146 Resp: 14789

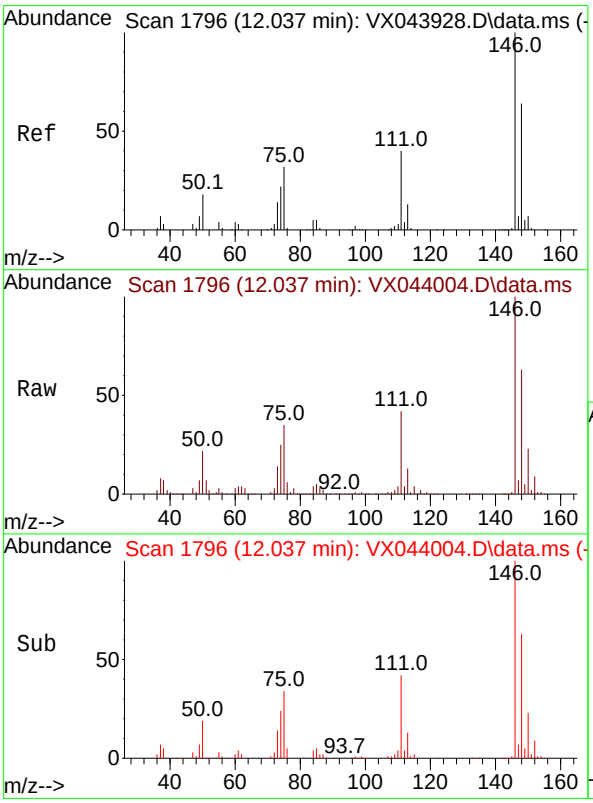
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	63.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

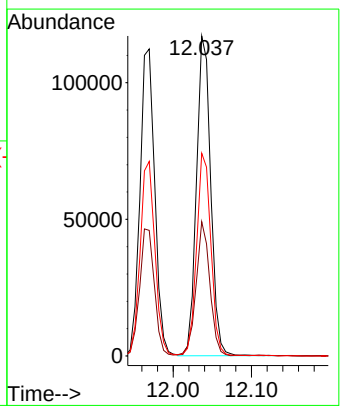
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

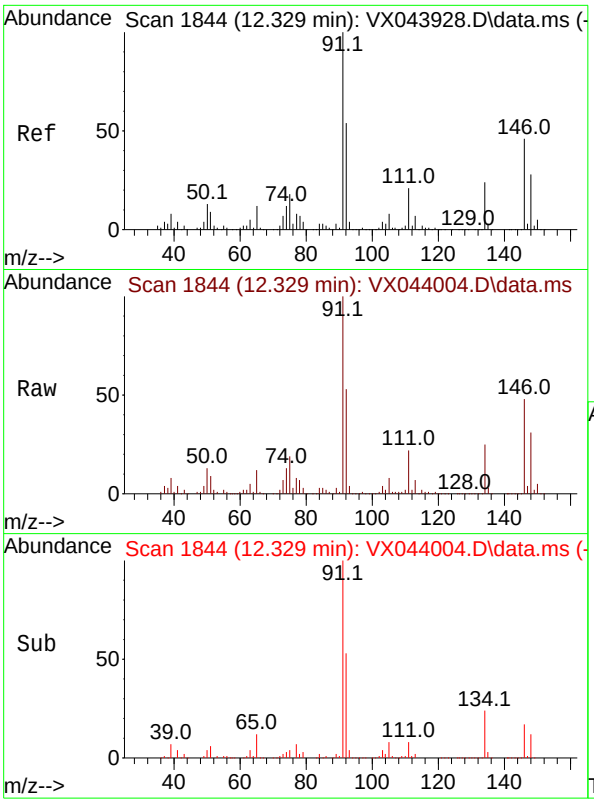


#88
1,4-Dichlorobenzene
Concen: 46.902 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:146 Resp: 147915

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.3
148	63.2	30.9	92.8

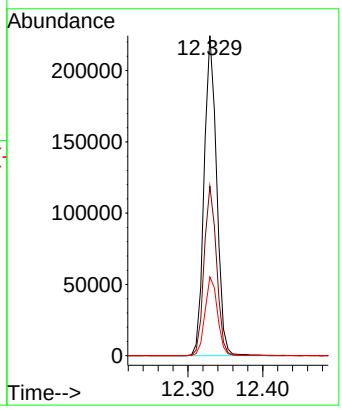




#89
n-Butylbenzene
Concen: 51.276 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 26121

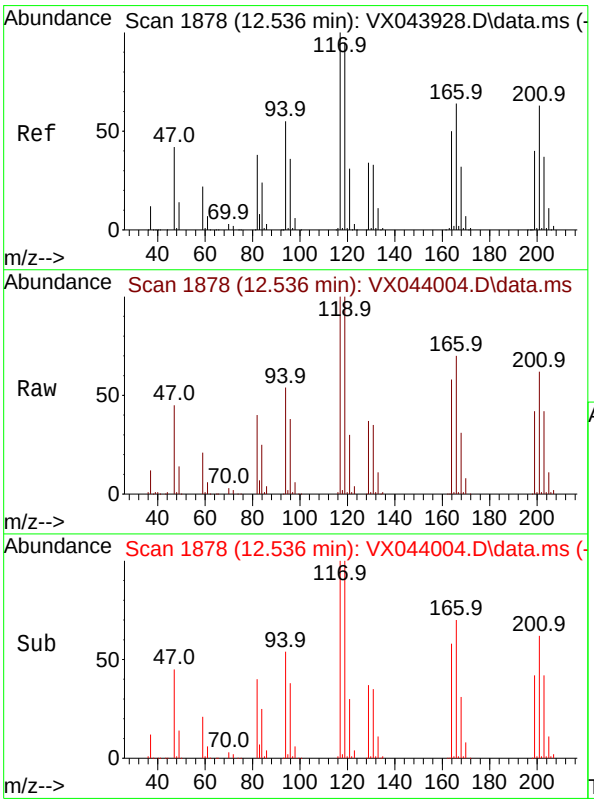
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	24.7	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

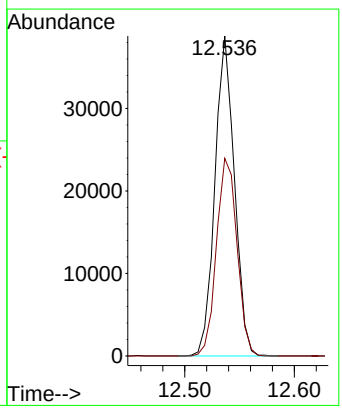
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

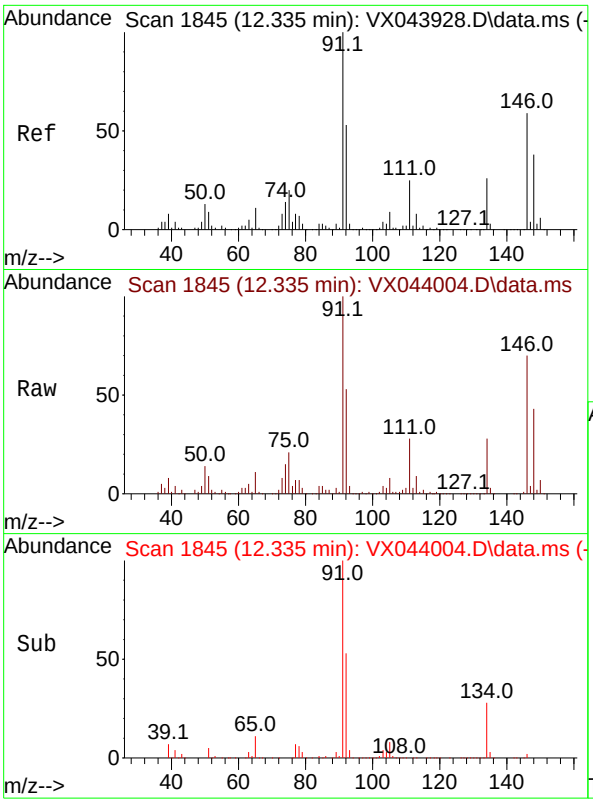


#90
Hexachloroethane
Concen: 48.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:117 Resp: 47951

Ion	Ratio	Lower	Upper
117	100		
201	65.2	32.4	97.0

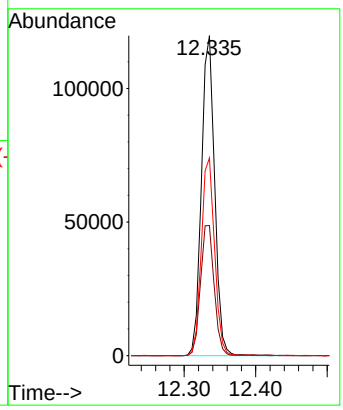




#91
1,2-Dichlorobenzene
Concen: 49.239 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:146 Resp: 15370

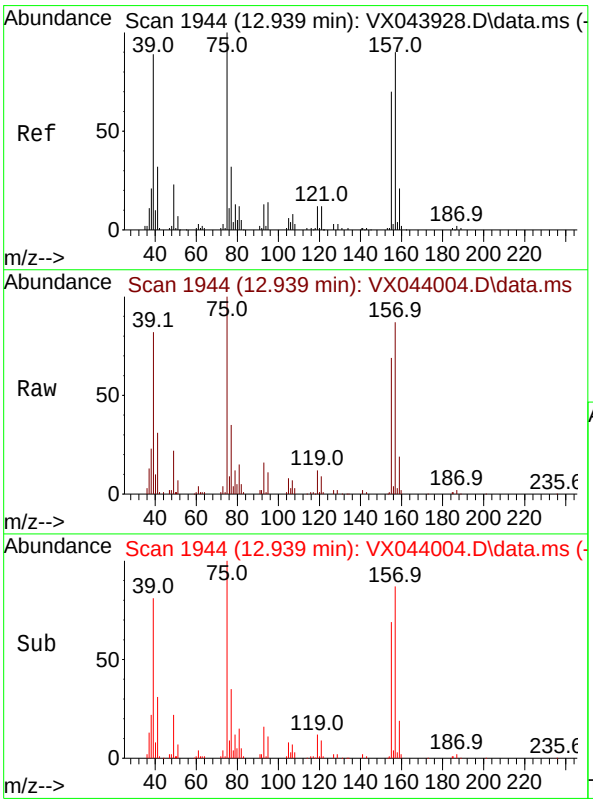
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.5	64.5
148	62.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

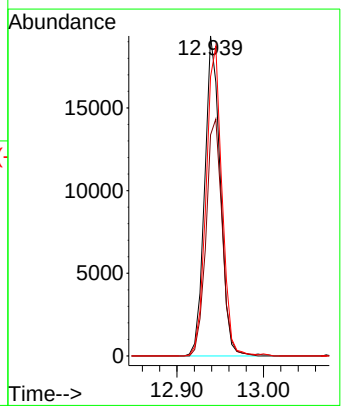
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

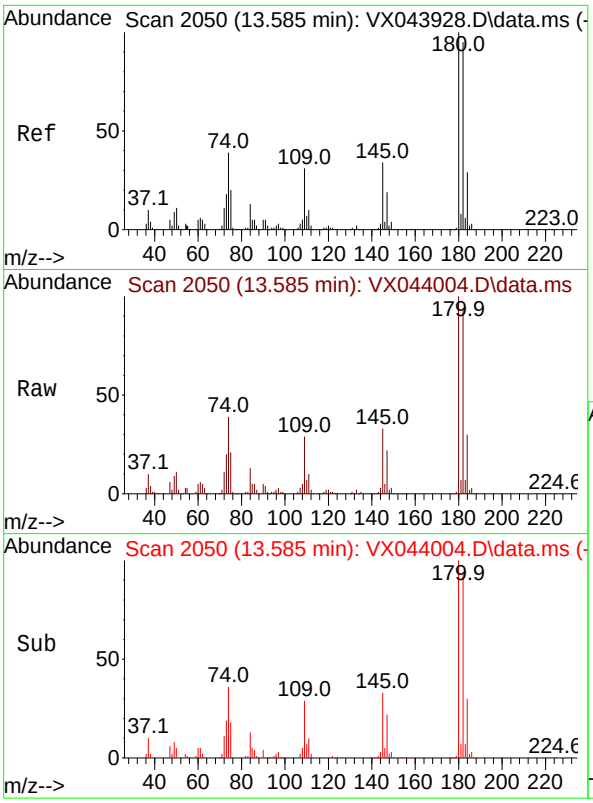


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.526 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 24192

Ion	Ratio	Lower	Upper
75	100		
155	76.6	40.1	120.2
157	98.9	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 48.090 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

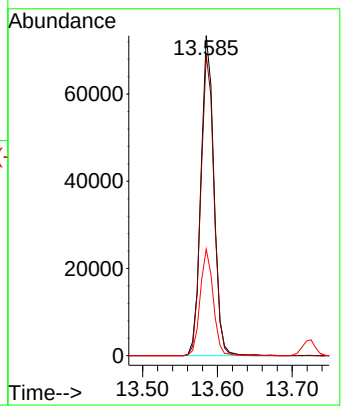
Tgt Ion:180 Resp: 8850

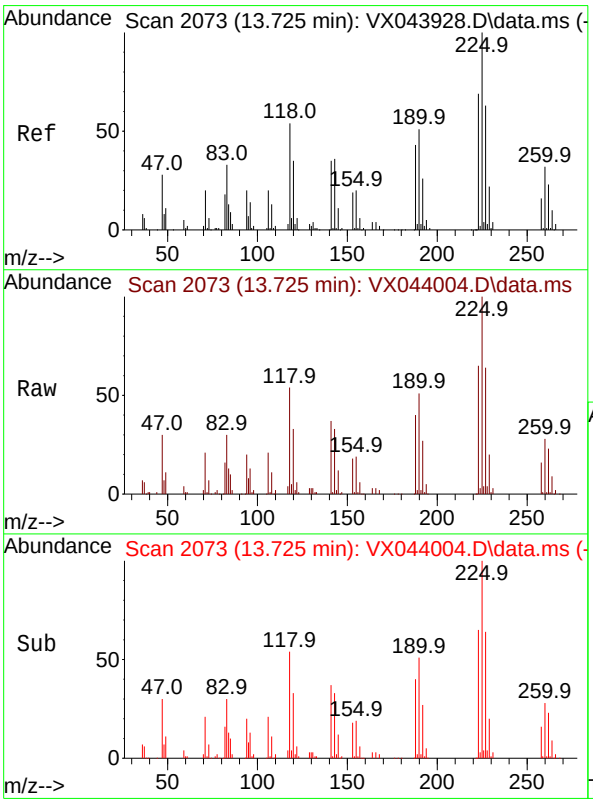
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	33.3	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

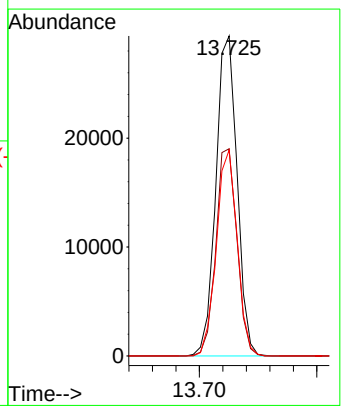


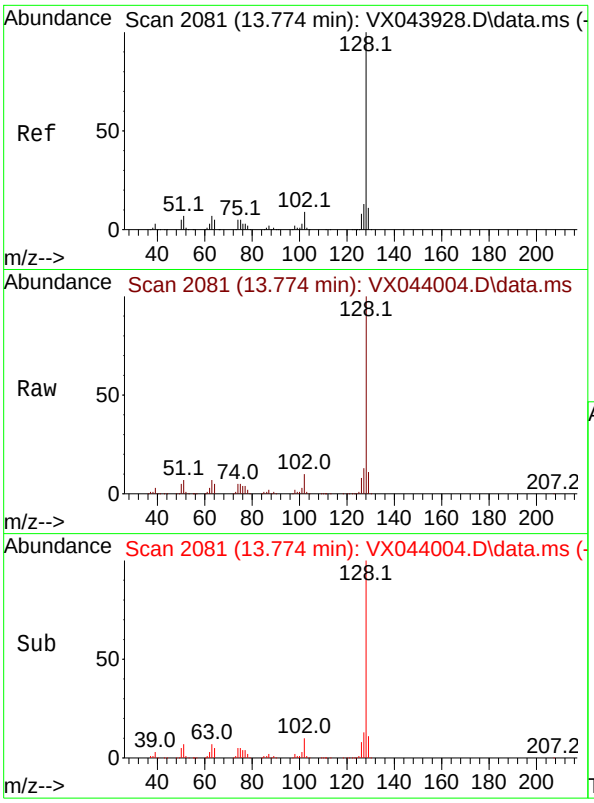


#94
Hexachlorobutadiene
Concen: 50.669 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:225 Resp: 36855

Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.9	98.6
227	63.0	31.6	94.8

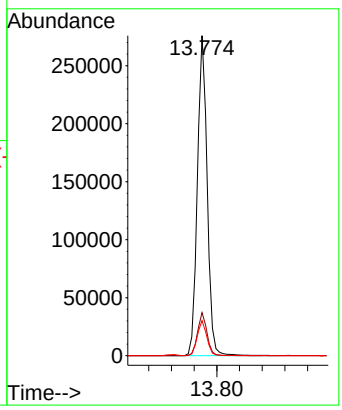




#95
Naphthalene
Concen: 49.840 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:128 Resp: 33018

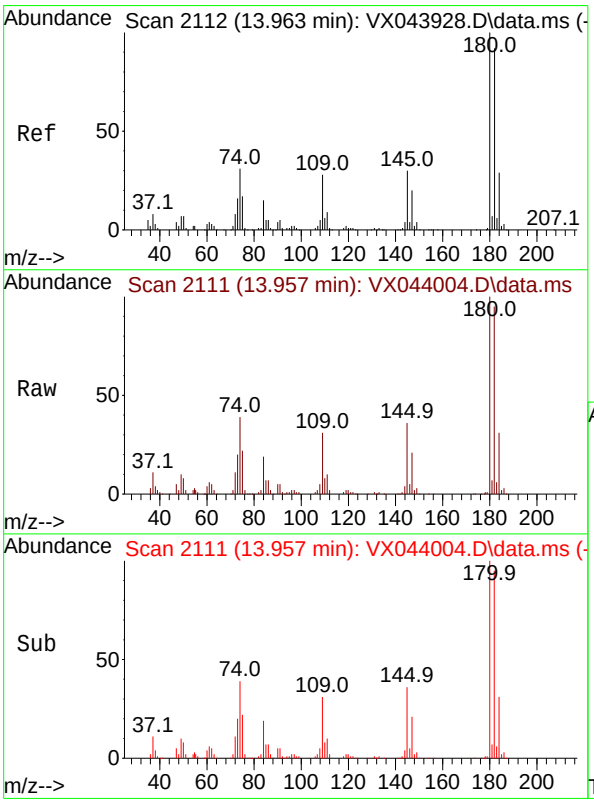
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

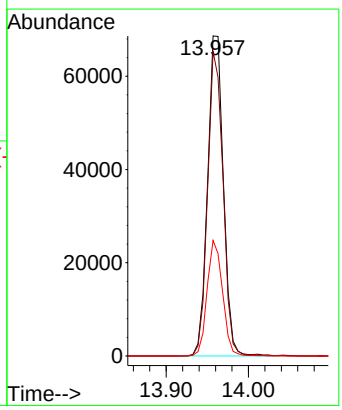
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 49.496 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:180 Resp: 92201

Ion	Ratio	Lower	Upper
180	100		
182	92.3	45.6	136.8
145	35.0	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.633	0.557	12.0	80	0.00
3	P	Chloromethane	0.667	0.577	13.5	81	0.00
4	C	Vinyl Chloride	0.709	0.640	9.7#	82	0.00
5	T	Bromomethane	0.436	0.401	8.0	88	0.00
6	T	Chloroethane	0.432	0.419	3.0	90	0.00
7	T	Trichlorofluoromethane	1.268	1.122	11.5	81	0.00
8	T	Diethyl Ether	0.462	0.411	11.0	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.557	7.9	83	0.00
10	T	Methyl Iodide	0.755	0.677	10.3	82	0.00
11	T	Tert butyl alcohol	0.138	0.121	12.3	82	0.00
12	CM	1,1-Dichloroethene	0.576	0.507	12.0#	83	0.00
13	T	Acrolein	0.145	0.121	16.6	82	0.00
14	T	Allyl chloride	0.941	0.859	8.7	81	0.00
15	T	Acrylonitrile	0.335	0.317	5.4	84	0.00
16	T	Acetone	0.394	0.399	-1.3	92	0.00
17	T	Carbon Disulfide	1.188	0.975	17.9	74	0.00
18	T	Methyl Acetate	0.917	0.867	5.5	86	0.00
19	T	Methyl tert-butyl Ether	2.092	1.897	9.3	82	0.00
20	T	Methylene Chloride	0.668	0.585	12.4	86	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.523	12.1	81	0.00
22	T	Diisopropyl ether	2.013	1.838	8.7	83	0.00
23	T	Vinyl Acetate	1.722	1.635	5.1	83	0.00
24	P	1,1-Dichloroethane	1.161	1.059	8.8	83	0.00
25	T	2-Butanone	0.508	0.499	1.8	86	0.00
26	T	2,2-Dichloropropane	1.049	0.967	7.8	83	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.667	9.3	83	0.00
28	T	Bromochloromethane	0.511	0.489	4.3	107	0.00
29	T	Tetrahydrofuran	0.312	0.292	6.4	85	0.00
30	C	Chloroform	1.249	1.140	8.7#	85	0.00
31	T	Cyclohexane	0.956	0.839	12.2	79	0.00
32	T	1,1,1-Trichloroethane	1.077	1.015	5.8	84	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.810	5.6	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.357	0.363	-1.7	105	0.00
36	T	1,1-Dichloropropene	0.445	0.435	2.2	83	0.00
37	T	Ethyl Acetate	0.553	0.541	2.2	84	0.00
38	T	Carbon Tetrachloride	0.500	0.496	0.8	84	0.00
39	T	Methylcyclohexane	0.578	0.547	5.4	79	0.00
40	TM	Benzene	1.387	1.336	3.7	85	0.00
41	T	Methacrylonitrile	0.283	0.280	1.1	80	0.00
42	TM	1,2-Dichloroethane	0.557	0.527	5.4	83	0.00
43	T	Isopropyl Acetate	0.880	0.861	2.2	83	0.00
44	TM	Trichloroethene	0.393	0.332	15.5	84	0.00
45	C	1,2-Dichloropropane	0.340	0.332	2.4#	85	0.00
46	T	Dibromomethane	0.269	0.268	0.4	87	0.00
47	T	Bromodichloromethane	0.482	0.498	-3.3	87	0.00
48	T	Methyl methacrylate	0.422	0.408	3.3	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	81	0.00
50	S	Toluene-d8	1.232	1.221	0.9	105	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.541	-0.7	84	0.00
52	CM	Toluene	0.830	0.805	3.0#	83	0.00
53	T	t-1,3-Dichloropropene	0.491	0.495	-0.8	82	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.534	0.9	83	0.00
55	T	1,1,2-Trichloroethane	0.343	0.328	4.4	84	0.00
56	T	Ethyl methacrylate	0.534	0.534	0.0	82	0.00
57	T	1,3-Dichloropropane	0.577	0.572	0.9	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.280	-2.6	86	0.00
59	T	2-Hexanone	0.403	0.418	-3.7	84	0.00
60	T	Dibromochloromethane	0.344	0.360	-4.7	86	0.00
61	T	1,2-Dibromoethane	0.346	0.346	0.0	85	0.00
62	S	4-Bromofluorobenzene	0.419	0.423	-1.0	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.330	0.317	3.9	85	0.00
65	PM	Chlorobenzene	1.098	1.032	6.0	84	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.359	-0.8	84	0.00
67	C	Ethyl Benzene	1.861	1.798	3.4#	83	0.00
68	T	m/p-Xylenes	0.694	0.667	3.9	81	0.00
69	T	o-Xylene	0.678	0.654	3.5	80	0.00
70	T	Styrene	1.121	1.130	-0.8	83	0.00
71	P	Bromoform	0.240	0.254	-5.8	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.843	3.671	4.5	83	0.00
74	T	N-amyl acetate	1.780	1.745	2.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.267	3.7	84	0.00
76	T	1,2,3-Trichloropropane	1.096	1.078	1.6	84	0.00
77	T	Bromobenzene	0.917	0.881	3.9	84	0.00
78	T	n-propylbenzene	4.293	4.230	1.5	83	0.00
79	T	2-Chlorotoluene	2.714	2.527	6.9	82	0.00
80	T	1,3,5-Trimethylbenzene	3.162	3.083	2.5	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.381	5.2	79	0.00
82	T	4-Chlorotoluene	3.064	2.982	2.7	83	0.00
83	T	tert-Butylbenzene	3.134	3.033	3.2	81	0.00
84	T	1,2,4-Trimethylbenzene	3.148	3.115	1.0	84	0.00
85	T	sec-Butylbenzene	3.840	3.784	1.5	82	0.00
86	T	p-Isopropyltoluene	3.119	3.214	-3.0	84	0.00
87	T	1,3-Dichlorobenzene	1.670	1.597	4.4	84	0.00
88	T	1,4-Dichlorobenzene	1.702	1.597	6.2	83	0.00
89	T	n-Butylbenzene	2.750	2.820	-2.5	82	0.00
90	T	Hexachloroethane	0.530	0.518	2.3	81	0.00
91	T	1,2-Dichlorobenzene	1.685	1.660	1.5	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.261	1.1	85	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.956	3.8	81	0.00
94	T	Hexachlorobutadiene	0.393	0.398	-1.3	89	0.00
95	T	Naphthalene	3.576	3.565	0.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.995	1.1	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	43.941	12.1	80	0.00
3	P	Chloromethane	50.000	43.291	13.4	81	0.00
4	C	Vinyl Chloride	50.000	45.118	9.8#	82	0.00
5	T	Bromomethane	50.000	45.957	8.1	88	0.00
6	T	Chloroethane	50.000	48.498	3.0	90	0.00
7	T	Trichlorofluoromethane	50.000	44.255	11.5	81	0.00
8	T	Diethyl Ether	50.000	44.435	11.1	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.075	7.8	83	0.00
10	T	Methyl Iodide	50.000	44.845	10.3	82	0.00
11	T	Tert butyl alcohol	250.000	219.438	12.2	82	0.00
12	CM	1,1-Dichloroethene	50.000	44.001	12.0#	83	0.00
13	T	Acrolein	250.000	208.335	16.7	82	0.00
14	T	Allyl chloride	50.000	45.619	8.8	81	0.00
15	T	Acrylonitrile	250.000	236.257	5.5	84	0.00
16	T	Acetone	250.000	253.405	-1.4	92	0.00
17	T	Carbon Disulfide	50.000	41.002	18.0	74	0.00
18	T	Methyl Acetate	50.000	47.252	5.5	86	0.00
19	T	Methyl tert-butyl Ether	50.000	45.330	9.3	82	0.00
20	T	Methylene Chloride	50.000	43.739	12.5	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.972	12.1	81	0.00
22	T	Diisopropyl ether	50.000	45.651	8.7	83	0.00
23	T	Vinyl Acetate	250.000	237.383	5.0	83	0.00
24	P	1,1-Dichloroethane	50.000	45.576	8.8	83	0.00
25	T	2-Butanone	250.000	245.268	1.9	86	0.00
26	T	2,2-Dichloropropane	50.000	46.124	7.8	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.367	9.3	83	0.00
28	T	Bromochloromethane	50.000	47.869	4.3	107	0.00
29	T	Tetrahydrofuran	250.000	234.185	6.3	85	0.00
30	C	Chloroform	50.000	45.643	8.7#	85	0.00
31	T	Cyclohexane	50.000	43.902	12.2	79	0.00
32	T	1,1,1-Trichloroethane	50.000	47.118	5.8	84	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.228	5.5	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	50.747	-1.5	105	0.00
36	T	1,1-Dichloropropene	50.000	48.822	2.4	83	0.00
37	T	Ethyl Acetate	50.000	48.911	2.2	84	0.00
38	T	Carbon Tetrachloride	50.000	49.603	0.8	84	0.00
39	T	Methylcyclohexane	50.000	47.322	5.4	79	0.00
40	TM	Benzene	50.000	48.176	3.6	85	0.00
41	T	Methacrylonitrile	50.000	49.419	1.2	80	0.00
42	TM	1,2-Dichloroethane	50.000	47.284	5.4	83	0.00
43	T	Isopropyl Acetate	50.000	48.957	2.1	83	0.00
44	TM	Trichloroethene	50.000	42.307	15.4	84	0.00
45	C	1,2-Dichloropropane	50.000	48.861	2.3#	85	0.00
46	T	Dibromomethane	50.000	49.837	0.3	87	0.00
47	T	Bromodichloromethane	50.000	51.670	-3.3	87	0.00
48	T	Methyl methacrylate	50.000	48.339	3.3	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	927.311	7.3	81	0.00
50	S	Toluene-d8	50.000	49.578	0.8	105	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.920	-0.8	84	0.00
52	CM	Toluene	50.000	48.472	3.1#	83	0.00
53	T	t-1,3-Dichloropropene	50.000	50.408	-0.8	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.594	0.8	83	0.00
55	T	1,1,2-Trichloroethane	50.000	47.934	4.1	84	0.00
56	T	Ethyl methacrylate	50.000	50.030	-0.1	82	0.00
57	T	1,3-Dichloropropane	50.000	49.593	0.8	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	239.296	4.3	86	0.00
59	T	2-Hexanone	250.000	258.897	-3.6	84	0.00
60	T	Dibromochloromethane	50.000	52.290	-4.6	86	0.00
61	T	1,2-Dibromoethane	50.000	49.979	0.0	85	0.00
62	S	4-Bromofluorobenzene	50.000	50.484	-1.0	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	48.121	3.8	85	0.00
65	PM	Chlorobenzene	50.000	46.996	6.0	84	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.392	-0.8	84	0.00
67	C	Ethyl Benzene	50.000	48.325	3.3#	83	0.00
68	T	m/p-Xylenes	100.000	96.088	3.9	81	0.00
69	T	o-Xylene	50.000	48.254	3.5	80	0.00
70	T	Styrene	50.000	50.399	-0.8	83	0.00
71	P	Bromoform	50.000	47.213	5.6	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	47.752	4.5	83	0.00
74	T	N-amyl acetate	50.000	49.007	2.0	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.146	3.7	84	0.00
76	T	1,2,3-Trichloropropane	50.000	49.166	1.7	84	0.00
77	T	Bromobenzene	50.000	48.072	3.9	84	0.00
78	T	n-propylbenzene	50.000	49.273	1.5	83	0.00
79	T	2-Chlorotoluene	50.000	46.549	6.9	82	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.750	2.5	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.385	5.2	79	0.00
82	T	4-Chlorotoluene	50.000	48.649	2.7	83	0.00
83	T	tert-Butylbenzene	50.000	48.392	3.2	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.480	1.0	84	0.00
85	T	sec-Butylbenzene	50.000	49.271	1.5	82	0.00
86	T	p-Isopropyltoluene	50.000	51.525	-3.0	84	0.00
87	T	1,3-Dichlorobenzene	50.000	47.812	4.4	84	0.00
88	T	1,4-Dichlorobenzene	50.000	46.902	6.2	83	0.00
89	T	n-Butylbenzene	50.000	51.276	-2.6	82	0.00
90	T	Hexachloroethane	50.000	48.805	2.4	81	0.00
91	T	1,2-Dichlorobenzene	50.000	49.239	1.5	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.526	0.9	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.090	3.8	81	0.00
94	T	Hexachlorobutadiene	50.000	50.669	-1.3	89	0.00
95	T	Naphthalene	50.000	49.840	0.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.496	1.0	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/26/2024 17:33

Lab File ID: VX044022.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.531		-16.11	50
Chloromethane	0.667	0.587	0.1	-11.99	50
Vinyl Chloride	0.709	0.625		-11.85	50
Bromomethane	0.436	0.405		-7.11	50
Chloroethane	0.432	0.429		-0.69	50
Trichlorofluoromethane	1.268	1.220		-3.79	50
1,1,2-Trichlorotrifluoroethane	0.605	0.526		-13.06	50
1,1-Dichloroethene	0.576	0.499		-13.37	50
Acetone	0.394	0.316		-19.8	50
Carbon Disulfide	1.188	0.859		-27.69	50
Methyl tert-butyl Ether	2.092	1.931		-7.7	50
Methyl Acetate	0.917	0.850		-7.31	50
Methylene Chloride	0.668	0.581		-13.02	50
trans-1,2-Dichloroethene	0.595	0.527		-11.43	50
1,1-Dichloroethane	1.161	1.072	0.1	-7.67	50
Cyclohexane	0.956	0.792		-17.16	50
2-Butanone	0.508	0.469		-7.68	50
Carbon Tetrachloride	0.500	0.442		-11.6	50
cis-1,2-Dichloroethene	0.735	0.659		-10.34	50
Bromochloromethane	0.511	0.426		-16.63	50
Chloroform	1.249	1.156		-7.45	50
1,1,1-Trichloroethane	1.077	0.986		-8.45	50
Methylcyclohexane	0.578	0.472		-18.34	50
Benzene	1.387	1.245		-10.24	50
1,2-Dichloroethane	0.557	0.514		-7.72	50
Trichloroethene	0.393	0.304		-22.65	50
1,2-Dichloropropane	0.340	0.315		-7.35	50
Bromodichloromethane	0.482	0.449		-6.85	50
4-Methyl-2-Pentanone	0.537	0.521		-2.98	50
Toluene	0.830	0.763		-8.07	50
t-1,3-Dichloropropene	0.491	0.452		-7.94	50
cis-1,3-Dichloropropene	0.539	0.492		-8.72	50
1,1,2-Trichloroethane	0.343	0.319		-7	50
2-Hexanone	0.403	0.386		-4.22	50
Dibromochloromethane	0.344	0.321		-6.69	50
1,2-Dibromoethane	0.346	0.326		-5.78	50
Tetrachloroethene	0.330	0.292		-11.52	50
Chlorobenzene	1.098	0.968	0.3	-11.84	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA_X Calibration Date/Time: 11/26/2024 17:33

Lab File ID: VX044022.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.701		-8.6	50
m/p-Xylenes	0.694	0.636		-8.36	50
o-Xylene	0.678	0.627		-7.52	50
Styrene	1.121	1.060		-5.44	50
Bromoform	0.240	0.221	0.1	-7.92	50
Isopropylbenzene	3.843	3.481		-9.42	50
1,1,2,2-Tetrachloroethane	1.316	1.216	0.3	-7.6	50
1,3-Dichlorobenzene	1.670	1.490		-10.78	50
1,4-Dichlorobenzene	1.702	1.502		-11.75	50
1,2-Dichlorobenzene	1.685	1.515		-10.09	50
1,2-Dibromo-3-Chloropropane	0.264	0.227		-14.02	50
1,2,4-Trichlorobenzene	0.994	0.856		-13.88	50
1,2,3-Trichlorobenzene	1.006	0.904		-10.14	50
1,2-Dichloroethane-d4	0.858	0.784		-8.63	50
Dibromofluoromethane	0.357	0.329		-7.84	50
Toluene-d8	1.232	1.084		-12.01	50
4-Bromofluorobenzene	0.419	0.387		-7.64	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\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	129622	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	232929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101649	45.721	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.440%			
35) Dibromofluoromethane	5.385	113	76704	46.085	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.180%			
50) Toluene-d8	8.647	98	252602	44.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.060%			
62) 4-Bromofluorobenzene	11.079	95	90209	46.200	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	68775	41.882	ug/l	96
3) Chloromethane	1.294	50	76126	44.054	ug/l	99
4) Vinyl Chloride	1.374	62	80988	44.064	ug/l	95
5) Bromomethane	1.593	94	52561	46.486	ug/l	99
6) Chloroethane	1.666	64	55628	49.670	ug/l	95
7) Trichlorofluoromethane	1.867	101	158089	48.109	ug/l	100
8) Diethyl Ether	2.136	74	55276	46.152	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68171	43.492	ug/l	99
10) Methyl Iodide	2.441	142	87750	44.825	ug/l	98
11) Tert butyl alcohol	2.995	59	78482	219.930	ug/l	100
12) 1,1-Dichloroethene	2.306	96	64654	43.287	ug/l	97
13) Acrolein	2.233	56	107494	285.786	ug/l	98
14) Allyl chloride	2.654	41	111244	45.581	ug/l	99
15) Acrylonitrile	3.068	53	203086	233.535	ug/l	99
16) Acetone	2.386	43	204874	200.637	ug/l	99
17) Carbon Disulfide	2.502	76	111407	36.160	ug/l	100
18) Methyl Acetate	2.703	43	110130	46.313	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	250264	46.146	ug/l	100
20) Methylene Chloride	2.782	84	75327	43.471	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	68292	44.286	ug/l	95
22) Diisopropyl ether	3.763	45	242444	46.457	ug/l	96
23) Vinyl Acetate	3.721	43	1045717	234.240	ug/l	99
24) 1,1-Dichloroethane	3.605	63	138967	46.159	ug/l	99
25) 2-Butanone	4.568	43	303762	230.549	ug/l	97
26) 2,2-Dichloropropane	4.471	77	117669	43.277	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85466	44.837	ug/l	98
28) Bromochloromethane	4.891	49	55252	41.693	ug/l	96
29) Tetrahydrofuran	5.007	42	185959	230.219	ug/l	99
30) Chloroform	5.086	83	149860	46.281	ug/l	96
31) Cyclohexane	5.464	56	102682	41.440	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	127750	45.750	ug/l	98
36) 1,1-Dichloropropene	5.690	75	93123	44.899	ug/l	98
37) Ethyl Acetate	4.715	43	118849	46.163	ug/l	99
38) Carbon Tetrachloride	5.672	117	102840	44.128	ug/l	100
39) Methylcyclohexane	7.373	83	109854	40.771	ug/l	98
40) Benzene	6.031	78	289884	44.870	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	63345	48.072 ug/l	97
42) 1,2-Dichloroethane	6.086	62	119738	46.148 ug/l	100
43) Isopropyl Acetate	6.342	43	188292	45.956 ug/l	100
44) Trichloroethene	7.123	130	70853	38.741 ug/l	93
45) 1,2-Dichloropropane	7.427	63	73361	46.363 ug/l	98
46) Dibromomethane	7.580	93	57678	46.080 ug/l	98
47) Bromodichloromethane	7.818	83	104474	46.539 ug/l	100
48) Methyl methacrylate	7.696	41	90452	46.007 ug/l	99
49) 1,4-Dioxane	7.665	88	34956m	998.146 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	606325	242.496 ug/l	98
52) Toluene	8.714	92	177758	45.970 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105266	45.983 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	114622	45.674 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	74228	46.503 ug/l	97
56) Ethyl methacrylate	9.116	69	116819	46.987 ug/l	100
57) 1,3-Dichloropropane	9.305	76	125806	46.788 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	279354	204.586 ug/l	99
59) 2-Hexanone	9.433	43	449056	238.945 ug/l	100
60) Dibromochloromethane	9.519	129	74665	46.621 ug/l	98
61) 1,2-Dibromoethane	9.610	107	76038	47.112 ug/l	99
64) Tetrachloroethene	9.269	164	58837	44.283 ug/l	97
65) Chlorobenzene	10.079	112	195068	44.078 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	67421	46.975 ug/l	98
67) Ethyl Benzene	10.189	91	342810	45.714 ug/l	99
68) m/p-Xylenes	10.299	106	256139	91.591 ug/l	100
69) o-Xylene	10.640	106	126387	46.288 ug/l	97
70) Styrene	10.653	104	213625	47.303 ug/l	99
71) Bromoform	10.799	173	44621	41.511 ug/l #	100
73) Isopropylbenzene	10.963	105	329562	45.287 ug/l	100
74) N-amyl acetate	10.841	43	157167	46.621 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	115162	46.217 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	95452m	45.977 ug/l	
77) Bromobenzene	11.195	156	78615	45.286 ug/l	98
78) n-propylbenzene	11.305	91	373275	45.927 ug/l	99
79) 2-Chlorotoluene	11.360	91	228979	44.554 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	270335	45.154 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	31547	41.465 ug/l	92
82) 4-Chlorotoluene	11.451	91	263259	45.372 ug/l	100
83) tert-Butylbenzene	11.713	119	271471	45.748 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	275565	46.231 ug/l	100
85) sec-Butylbenzene	11.890	105	329107	45.265 ug/l	100
86) p-Isopropyltoluene	12.006	119	276004	46.734 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	141063	44.616 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	142203	44.115 ug/l	98
89) n-Butylbenzene	12.329	91	238553	45.814 ug/l	100
90) Hexachloroethane	12.536	117	43270	43.087 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	143432	44.953 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21456	42.974 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	81063	43.093 ug/l	100
94) Hexachlorobutadiene	13.725	225	32492	43.704 ug/l	98
95) Naphthalene	13.774	128	305240	45.077 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	85549	44.931 ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

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

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

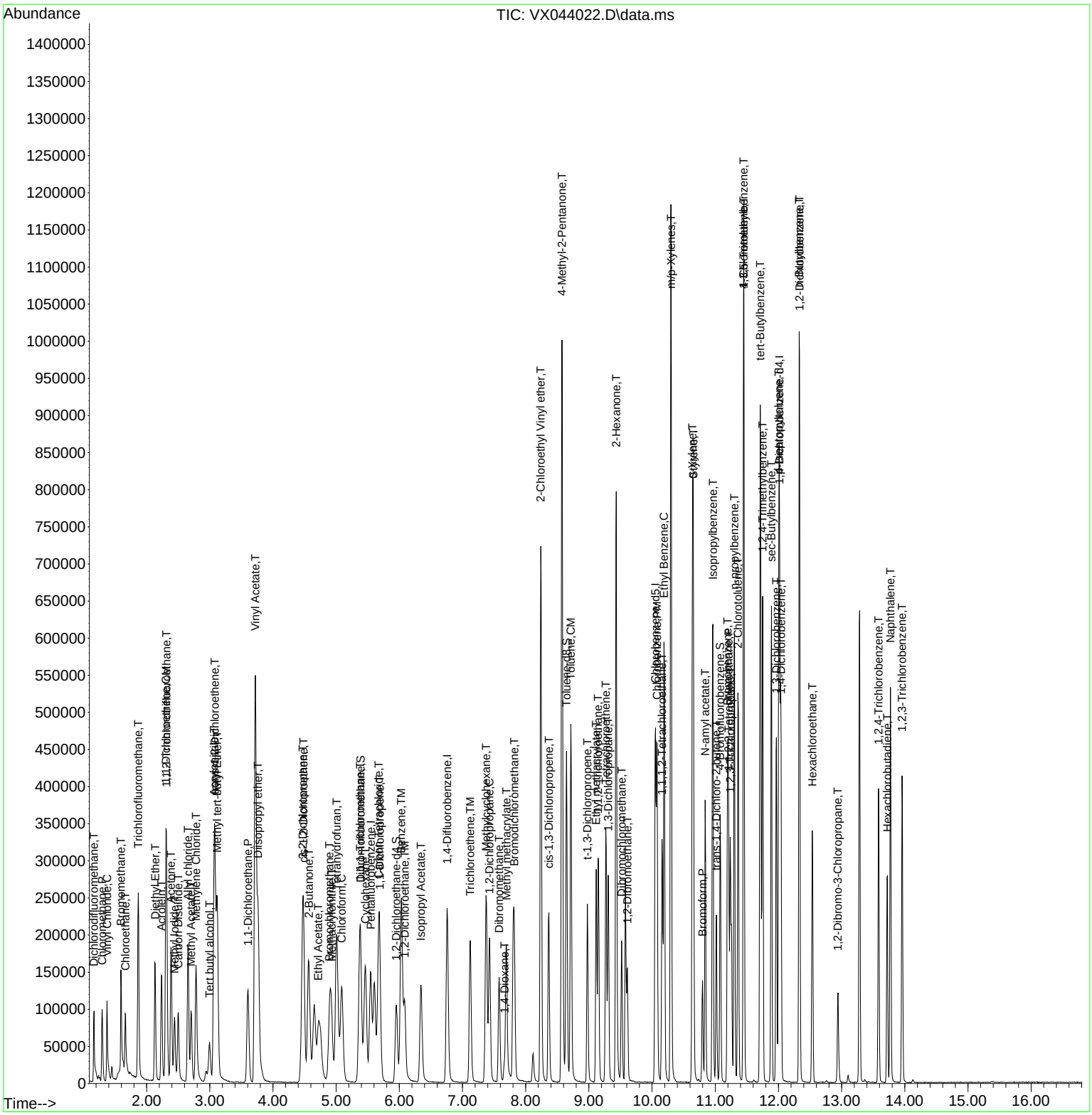
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

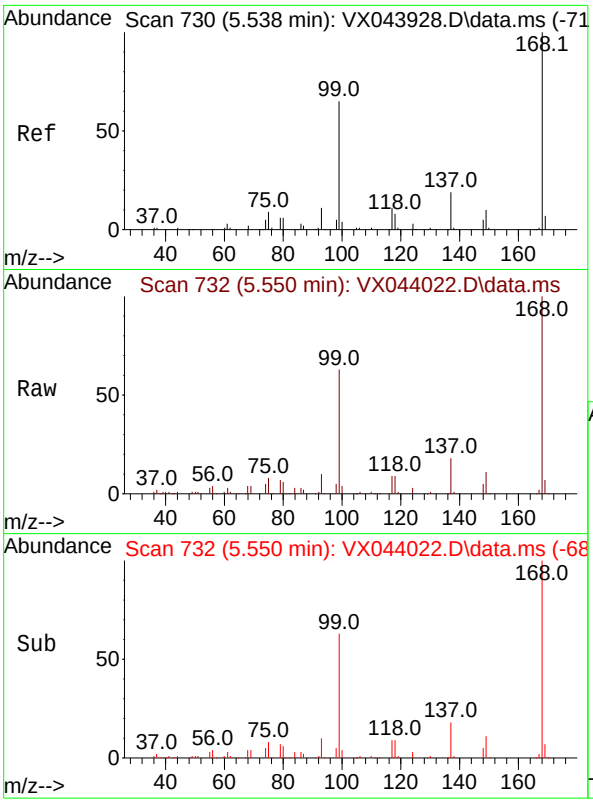
Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

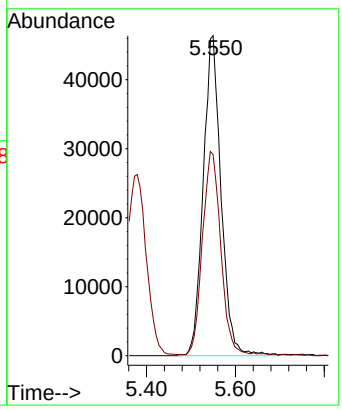




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:168 Resp: 12962

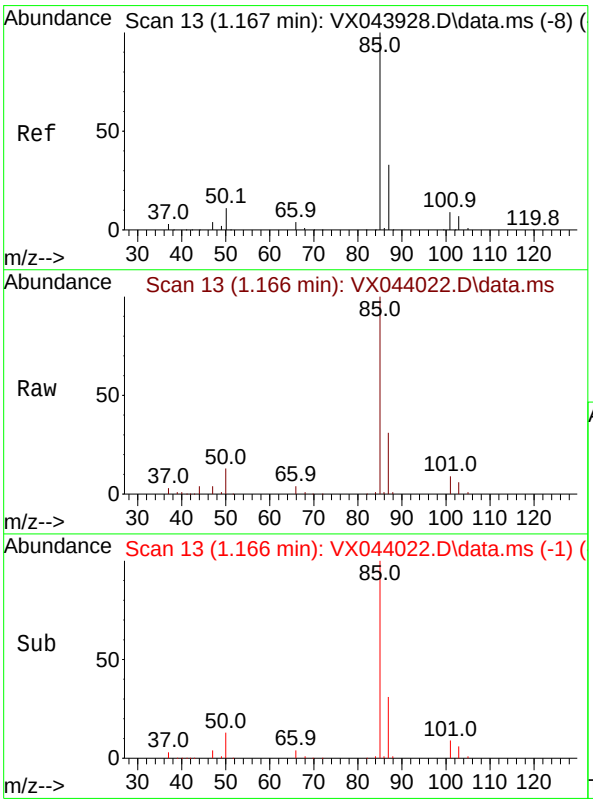
Ion	Ratio	Lower	Upper
168	100		
99	62.7	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

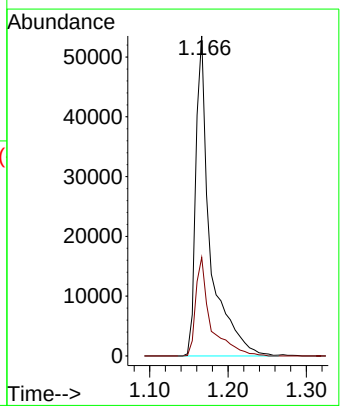
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

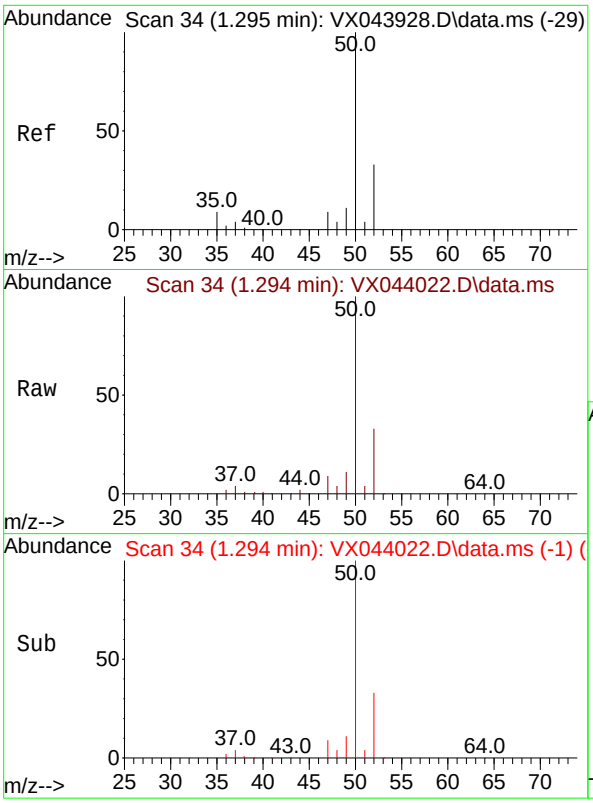


#2
Dichlorodifluoromethane
Concen: 41.882 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 85 Resp: 68775

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.6	49.8

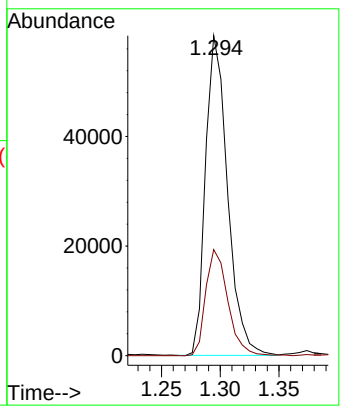




#3
Chloromethane
Concen: 44.054 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 50 Resp: 7612

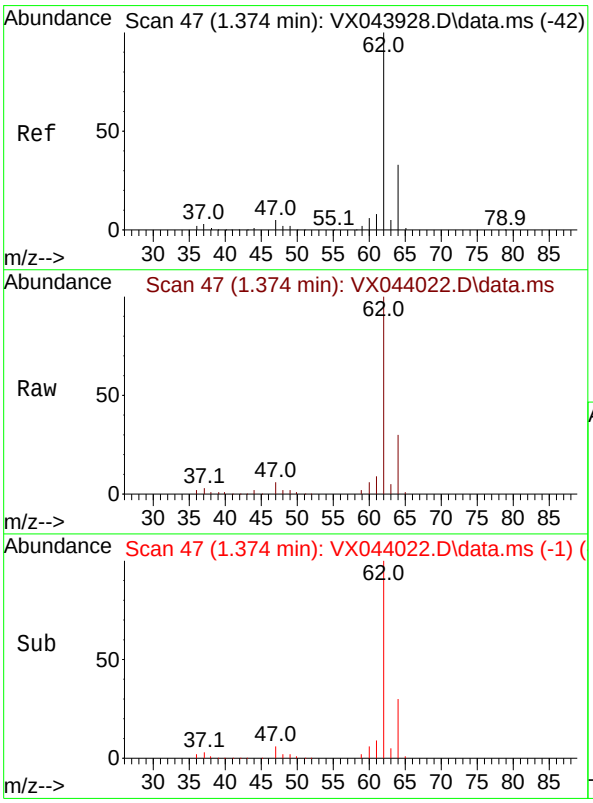
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

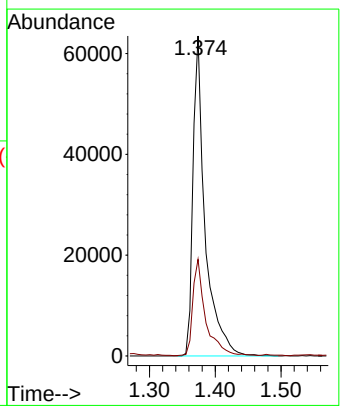
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

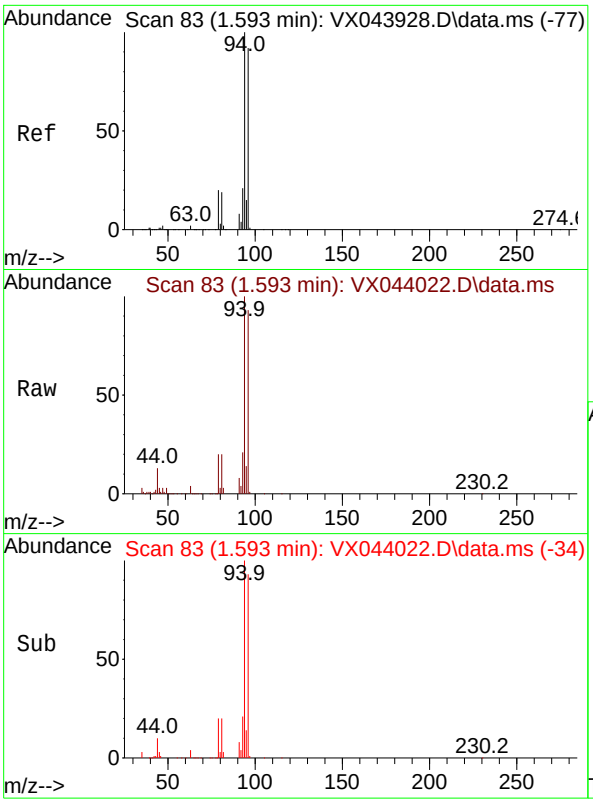


#4
Vinyl Chloride
Concen: 44.064 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 62 Resp: 80988

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.4

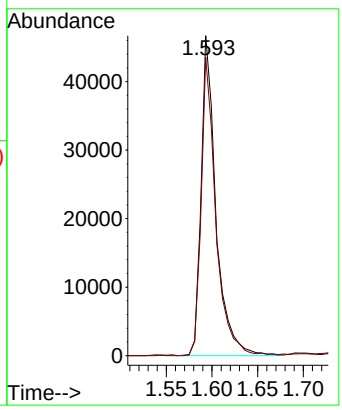




#5
Bromomethane
Concen: 46.486 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 94 Resp: 5256

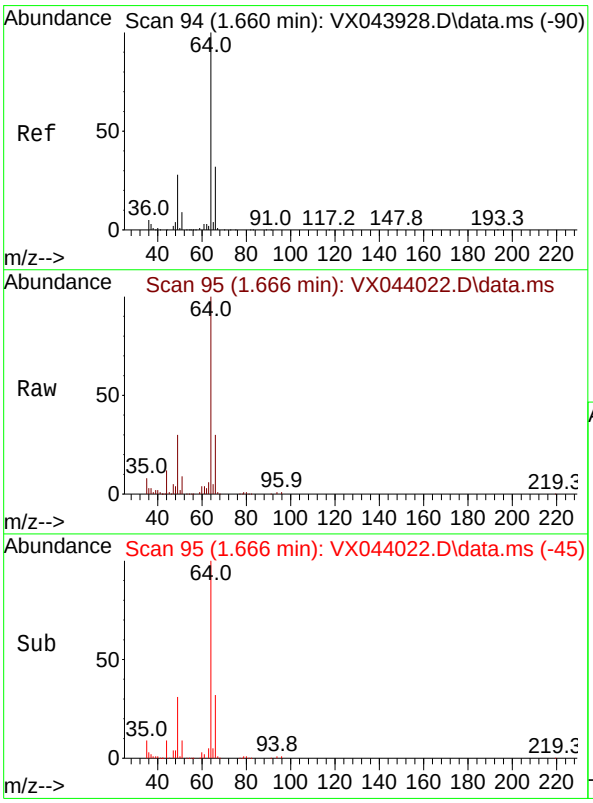
Ion	Ratio	Lower	Upper
94	100		
96	93.3	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

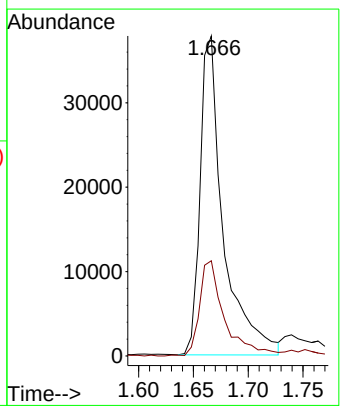
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

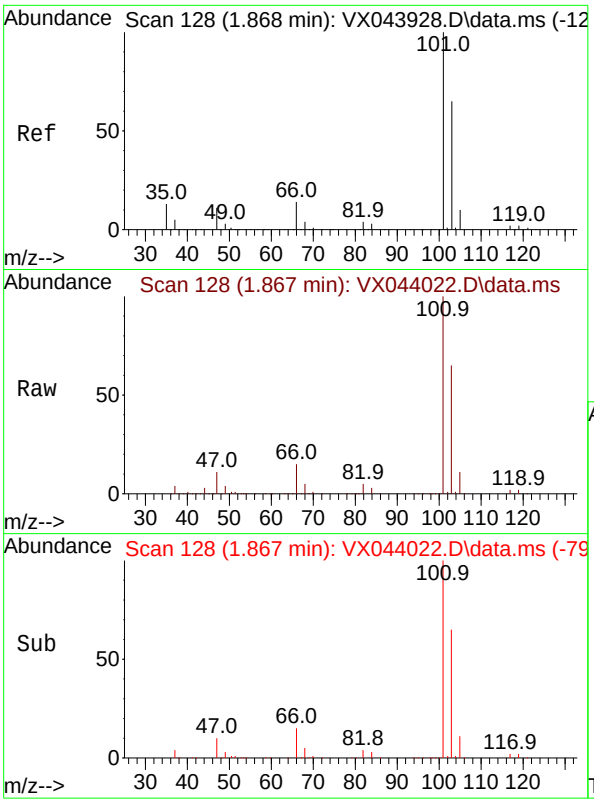


#6
Chloroethane
Concen: 49.670 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 64 Resp: 55628

Ion	Ratio	Lower	Upper
64	100		
66	29.6	25.9	38.9





#7
Trichlorofluoromethane
Concen: 48.109 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

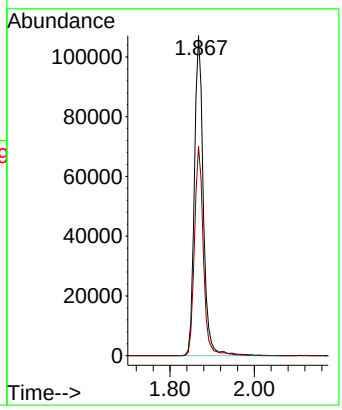
Tgt Ion:101 Resp: 15808

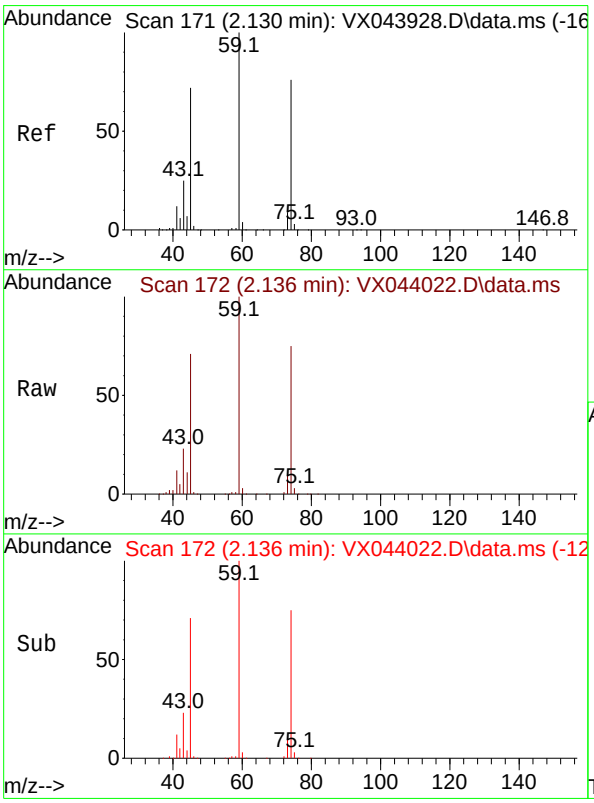
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

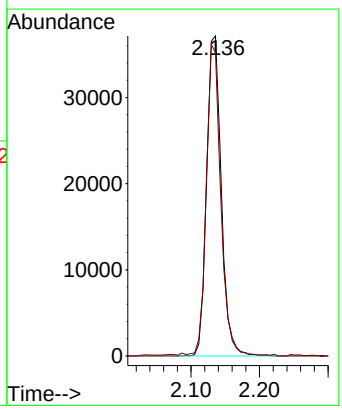


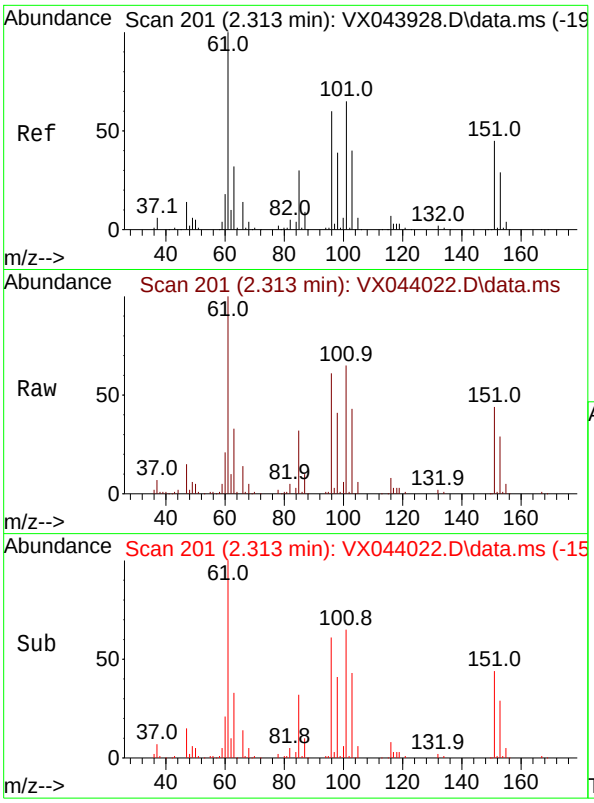


#8
Diethyl Ether
Concen: 46.152 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 74 Resp: 55276

Ion	Ratio	Lower	Upper
74	100		
45	97.3	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.492 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

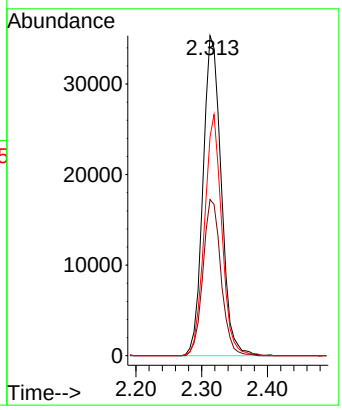
Tgt Ion:101 Resp: 6817

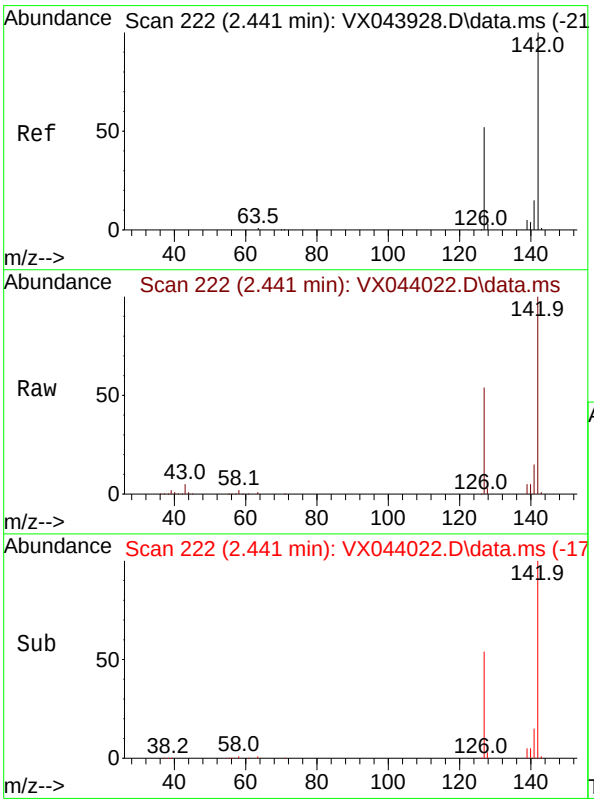
Ion	Ratio	Lower	Upper
101	100		
85	48.3	37.9	56.9
151	71.9	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

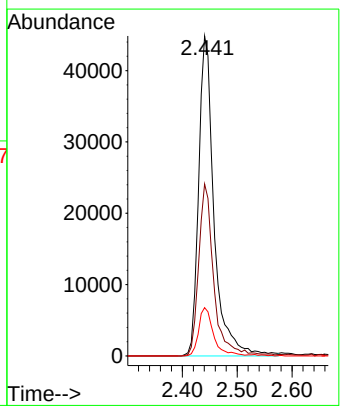


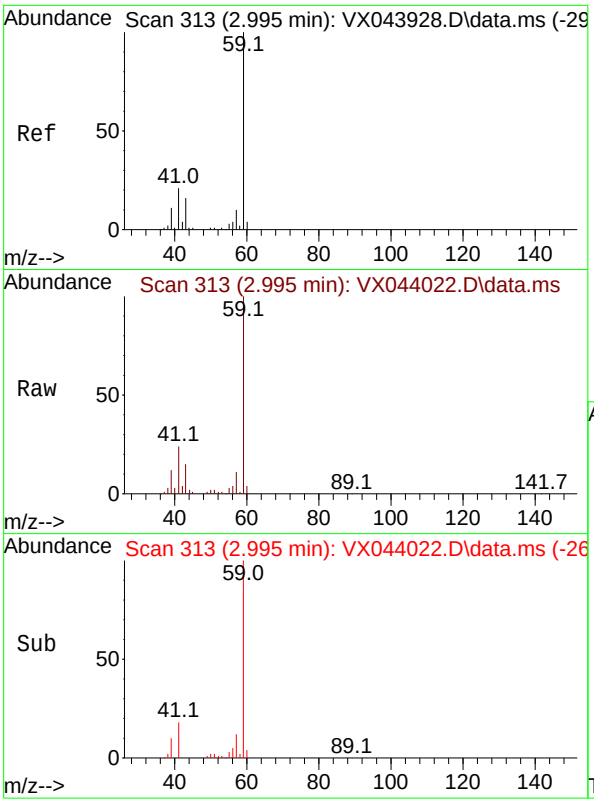


#10
Methyl Iodide
Concen: 44.825 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:142 Resp: 87750

Ion	Ratio	Lower	Upper
142	100		
127	52.8	40.7	61.1
141	14.6	12.0	18.0

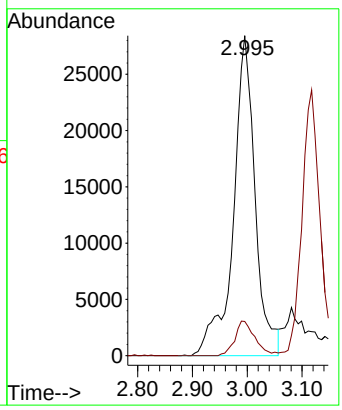




#11
Tert butyl alcohol
Concen: 219.930 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 59 Resp: 7848

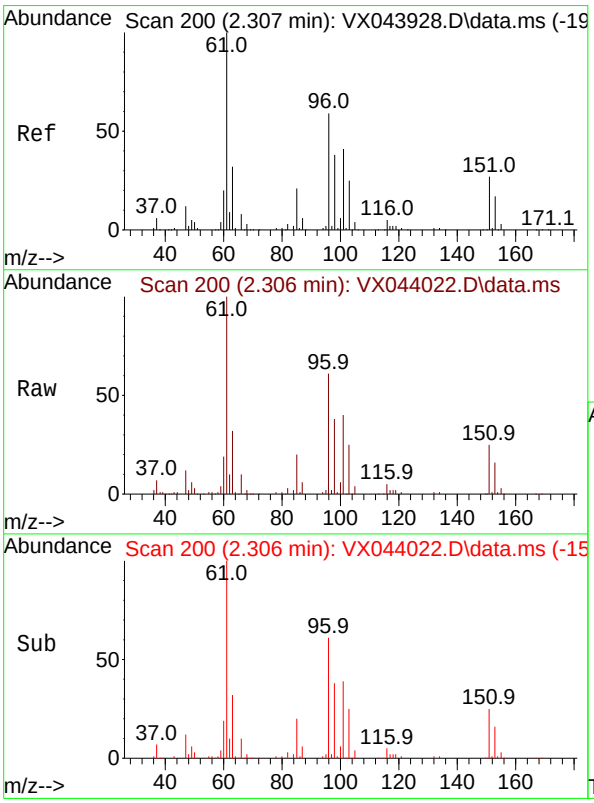
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

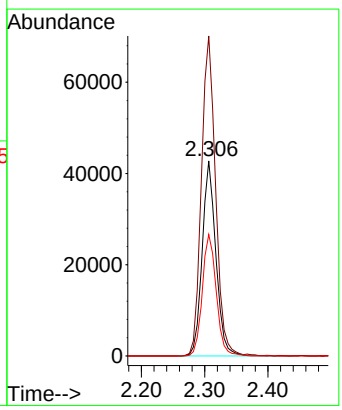
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

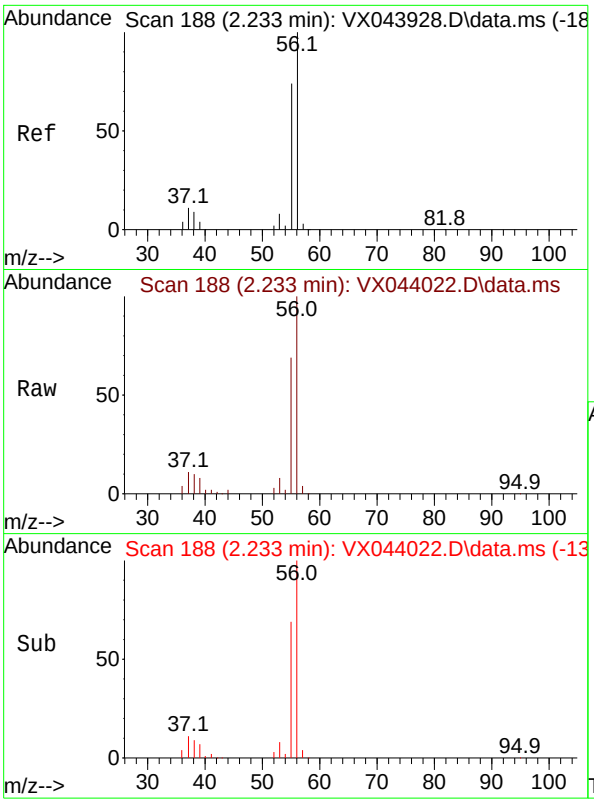


#12
1,1-Dichloroethene
Concen: 43.287 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 96 Resp: 64654

Ion	Ratio	Lower	Upper
96	100		
61	164.1	135.5	203.3
98	62.3	50.8	76.2





#13
Acrolein
Concen: 285.786 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

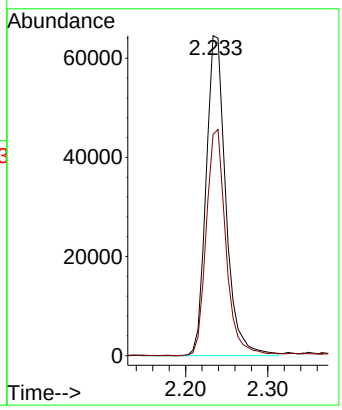
Tgt Ion: 56 Resp: 10749

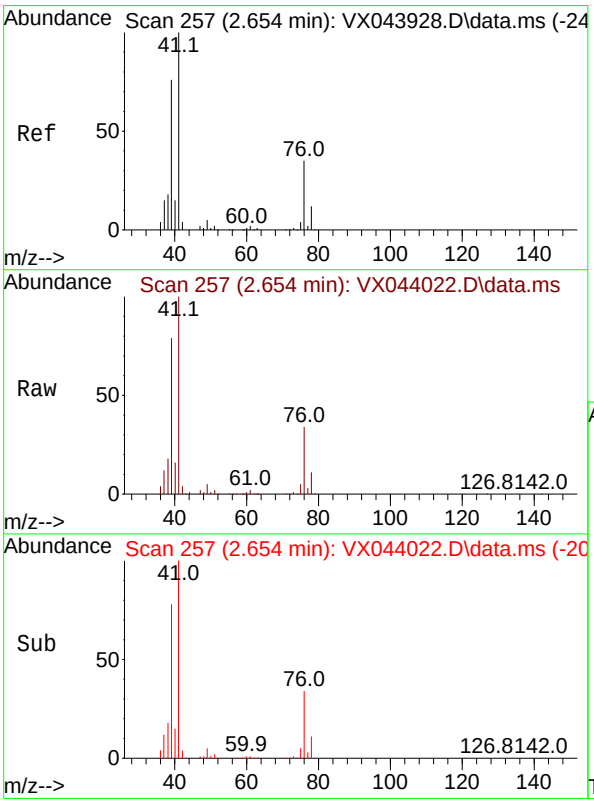
Ion	Ratio	Lower	Upper
56	100		
55	71.0	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

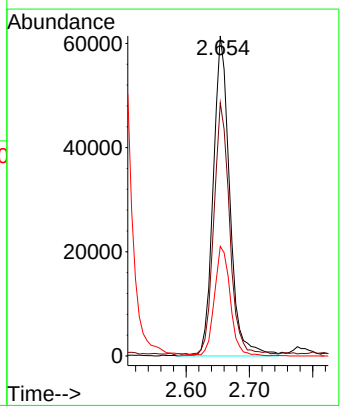


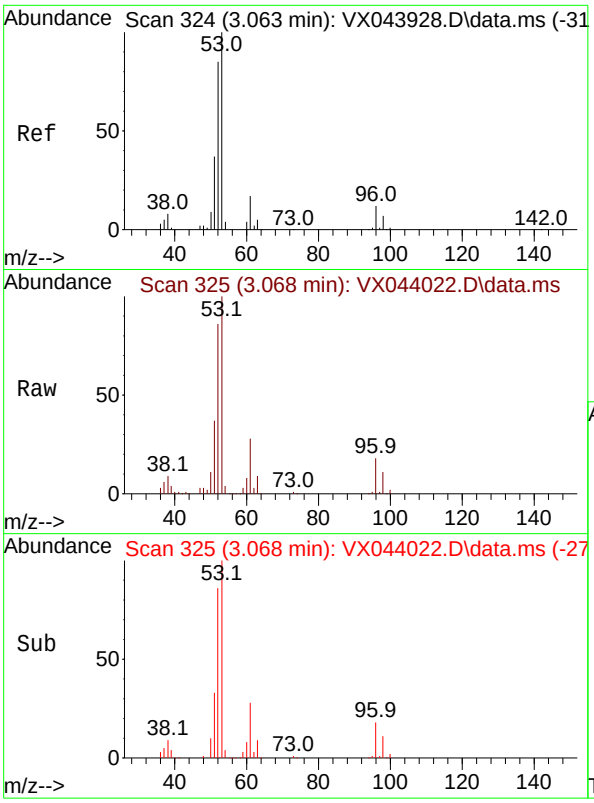


#14
Allyl chloride
Concen: 45.581 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 41 Resp: 111244

Ion	Ratio	Lower	Upper
41	100		
39	74.8	59.5	89.3
76	32.4	27.4	41.2





#15
Acrylonitrile
Concen: 233.535 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

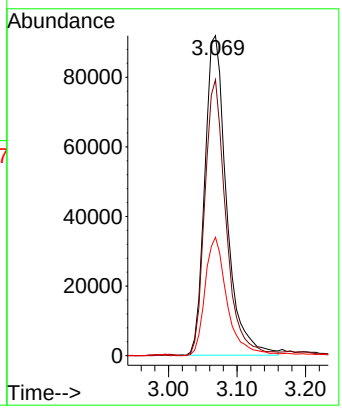
Tgt Ion: 53 Resp: 20308

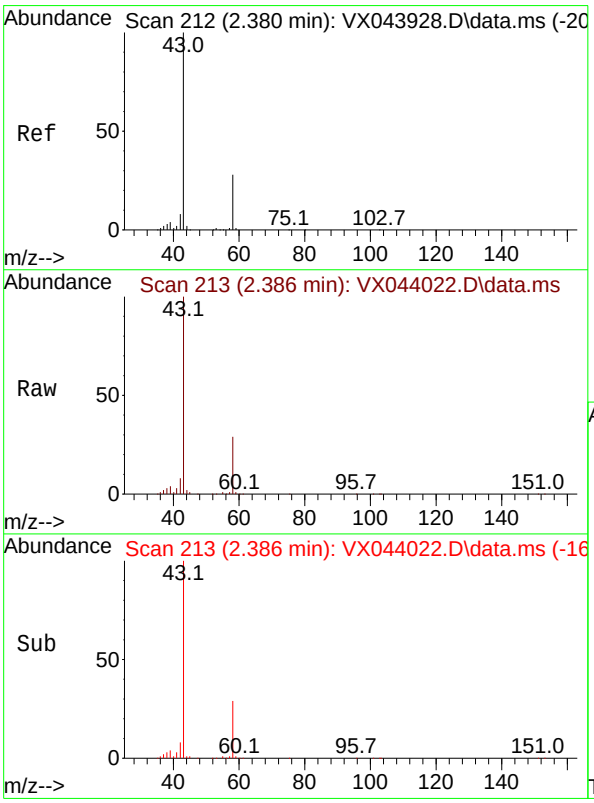
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	37.6	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

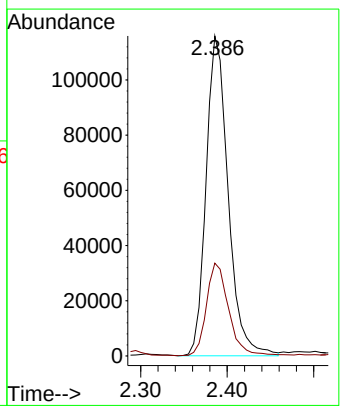


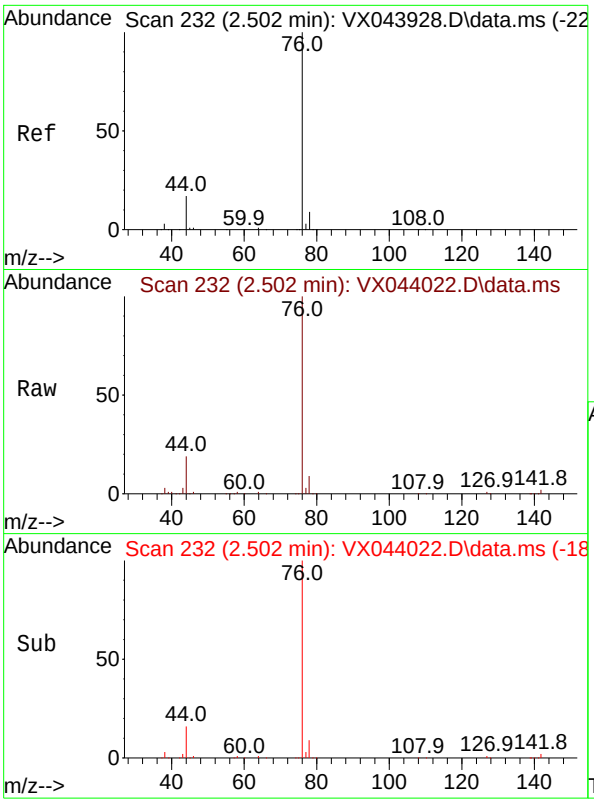


#16
Acetone
Concen: 200.637 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 204874

Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.7	34.1





#17
Carbon Disulfide
Concen: 36.160 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

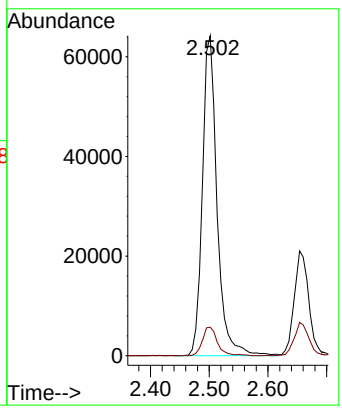
Tgt Ion: 76 Resp: 11140

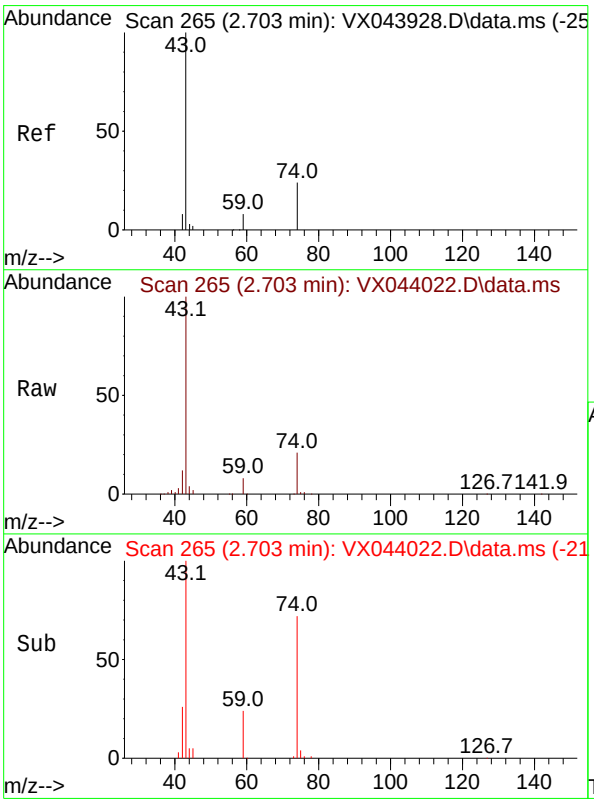
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

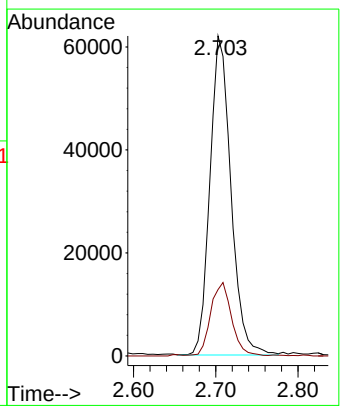


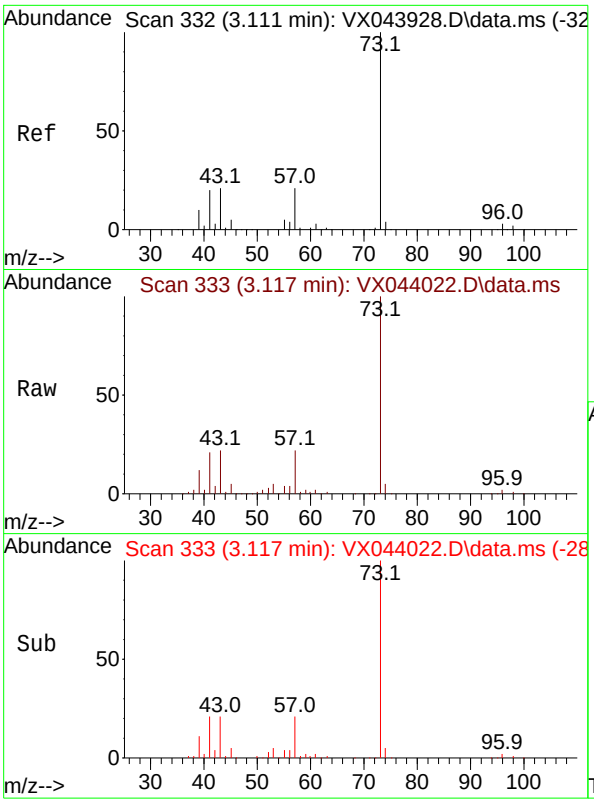


#18
Methyl Acetate
Concen: 46.313 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 110130

Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.9	28.3

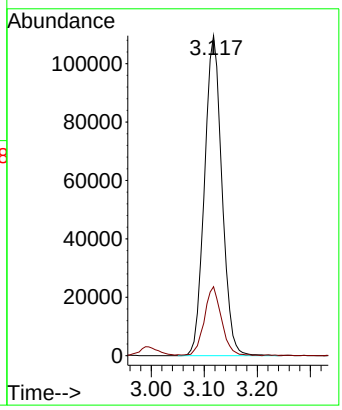




#19
Methyl tert-butyl Ether
Concen: 46.146 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 73 Resp: 25026

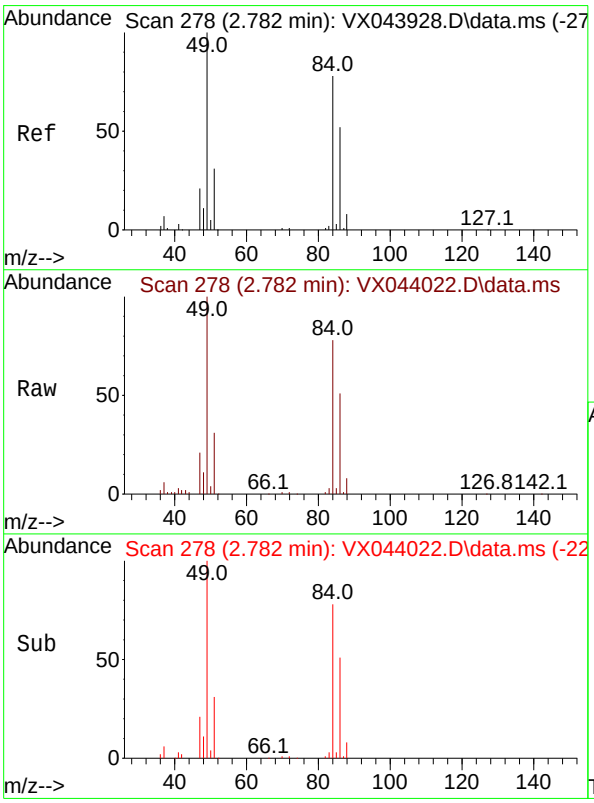
Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

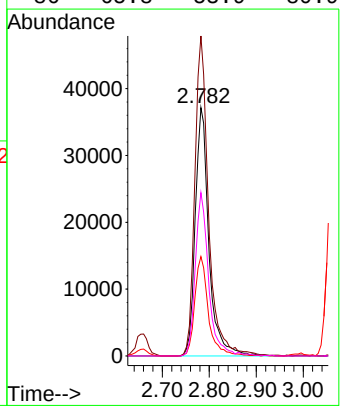
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

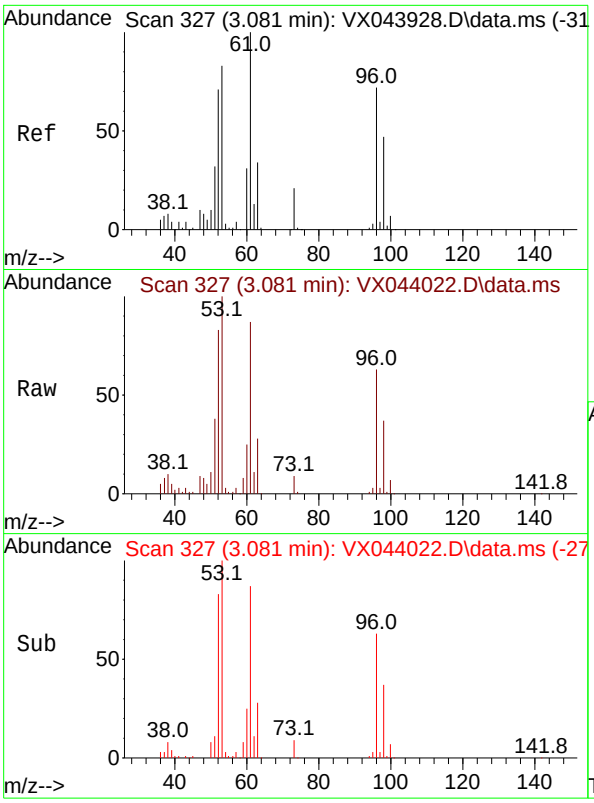


#20
Methylene Chloride
Concen: 43.471 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 84 Resp: 75327

Ion	Ratio	Lower	Upper
84	100		
49	128.9	102.7	154.1
51	40.0	31.7	47.5
86	65.8	53.9	80.9

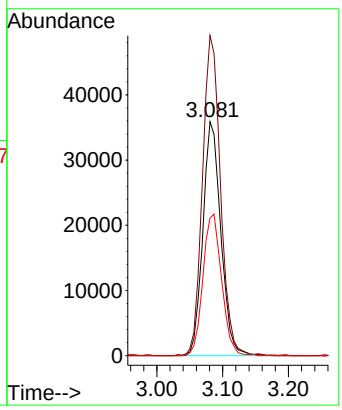




#21
trans-1,2-Dichloroethene
Concen: 44.286 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 96 Resp: 6829

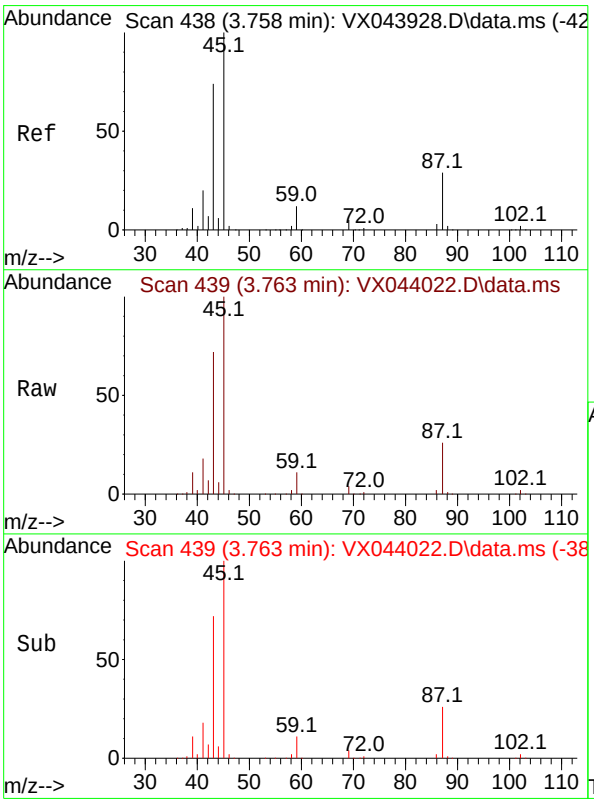
Ion	Ratio	Lower	Upper
96	100		
61	136.7	111.8	167.6
98	58.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

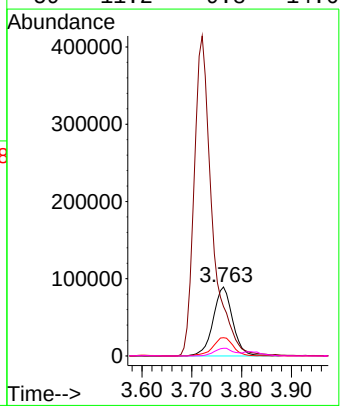
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

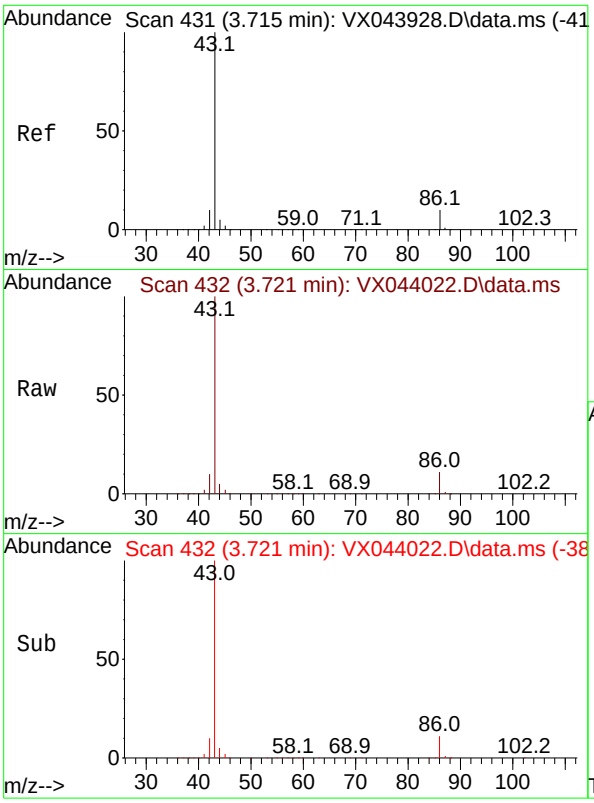


#22
Diisopropyl ether
Concen: 46.457 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 45 Resp: 242444

Ion	Ratio	Lower	Upper
45	100		
43	71.5	59.6	89.4
87	26.5	22.9	34.3
59	11.2	9.8	14.6





#23
Vinyl Acetate
Concen: 234.240 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

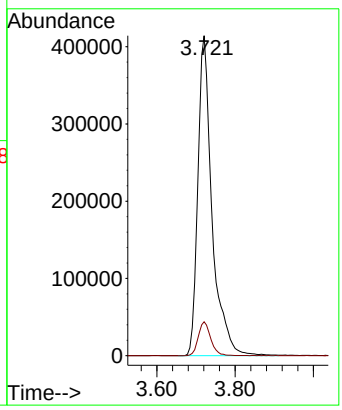
Tgt Ion: 43 Resp: 104571

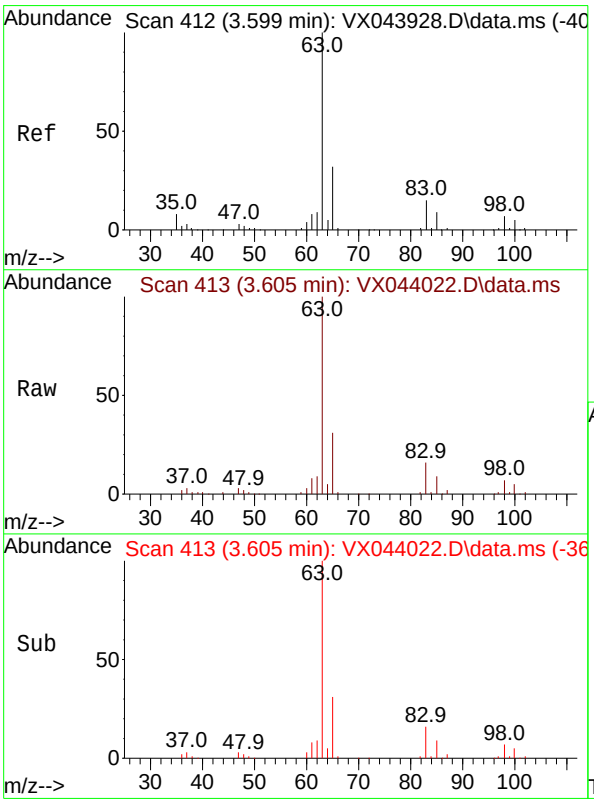
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

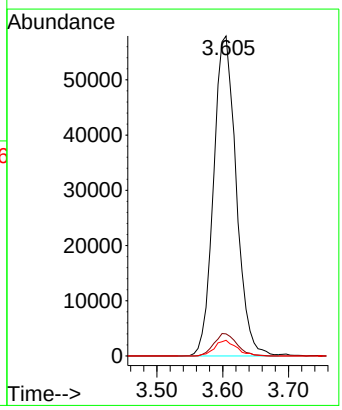


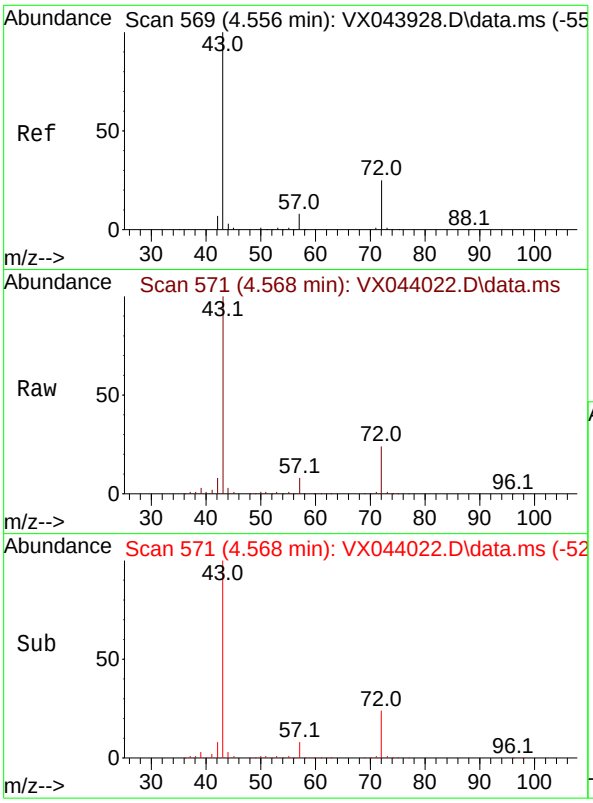


#24
1,1-Dichloroethane
Concen: 46.159 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 63 Resp: 138967

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.9	2.4	7.1





#25
2-Butanone
Concen: 230.549 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

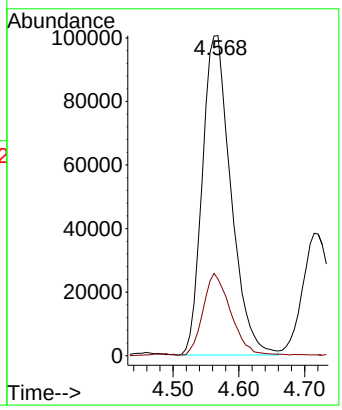
Tgt Ion: 43 Resp: 30376

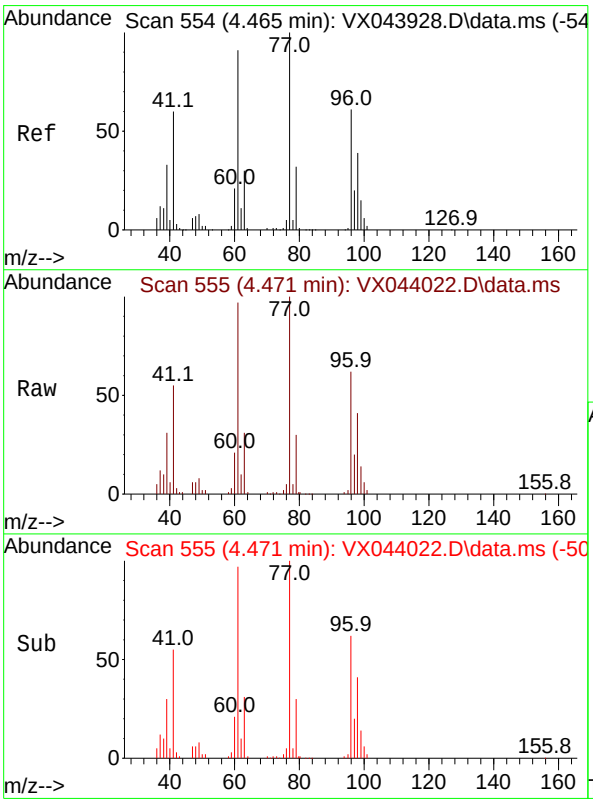
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

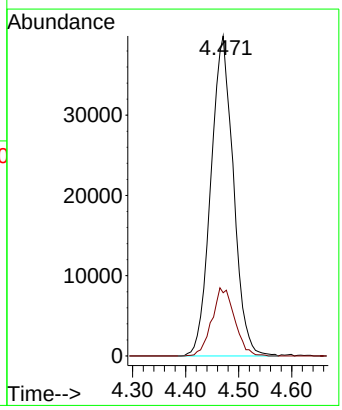


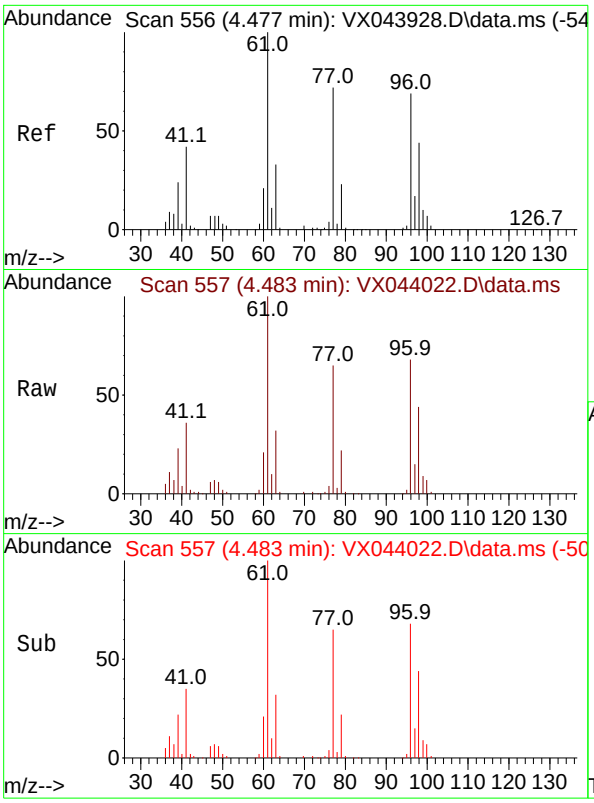


#26
2,2-Dichloropropane
Concen: 43.277 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 77 Resp: 117669

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 44.837 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

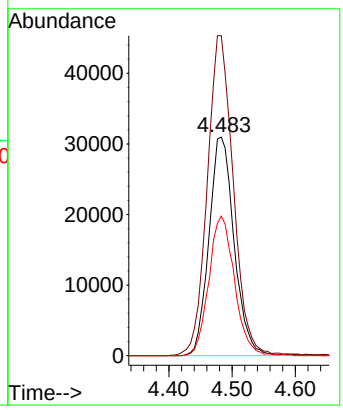
Tgt Ion: 96 Resp: 8546

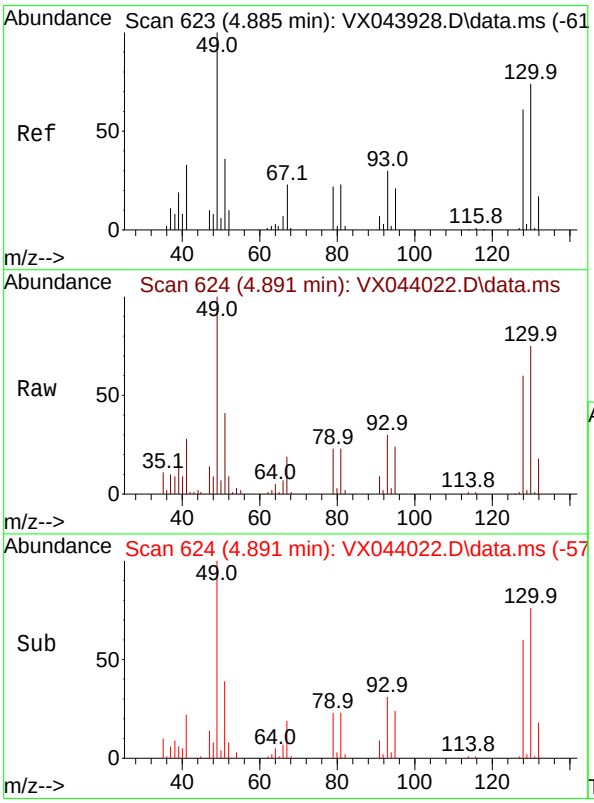
Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	297.4
98	65.1	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

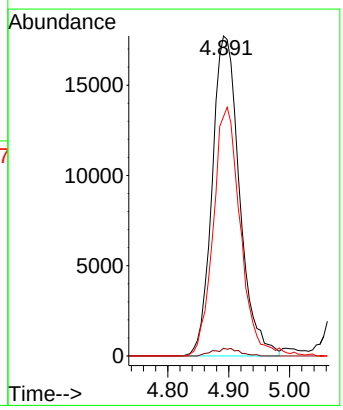


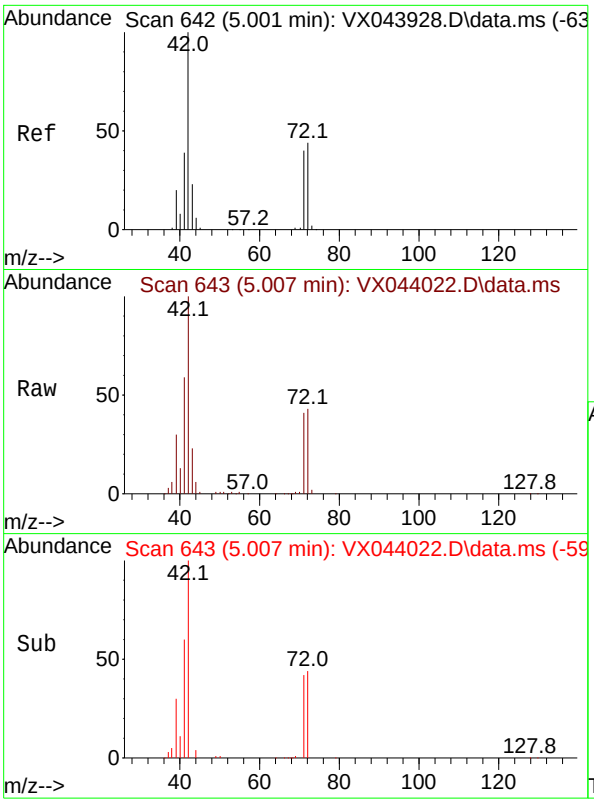


#28
Bromochloromethane
Concen: 41.693 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 49 Resp: 55252

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	77.0	59.0	88.6





#29
Tetrahydrofuran
Concen: 230.219 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

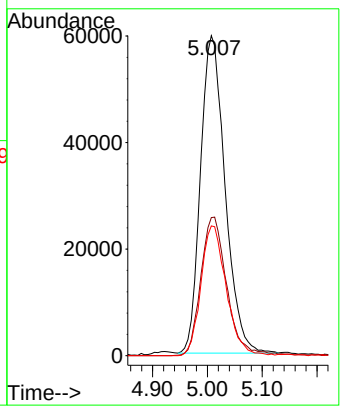
Tgt Ion: 42 Resp: 18595

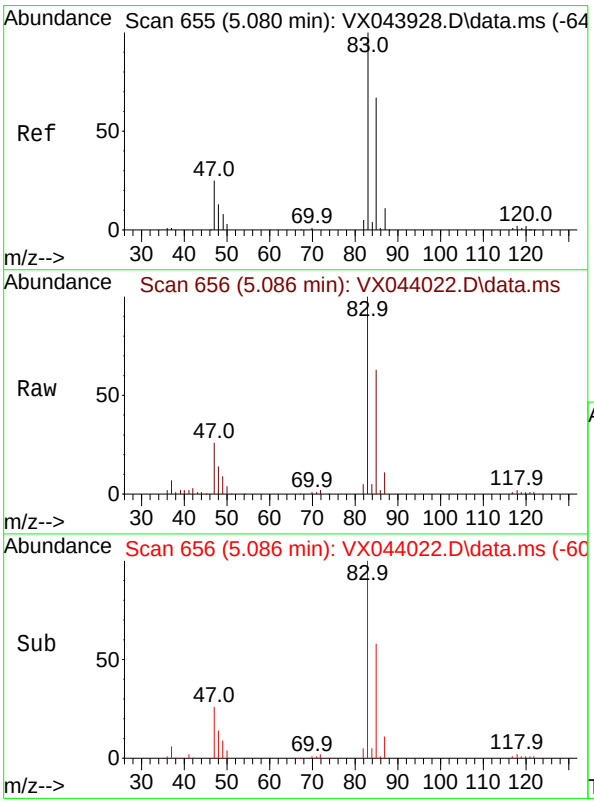
Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.4	54.6
71	42.0	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

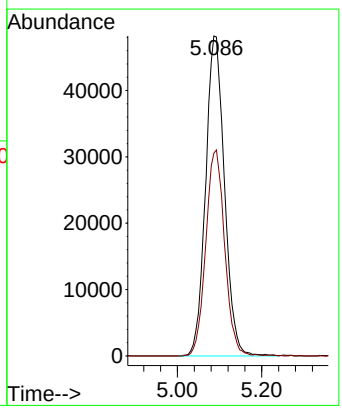


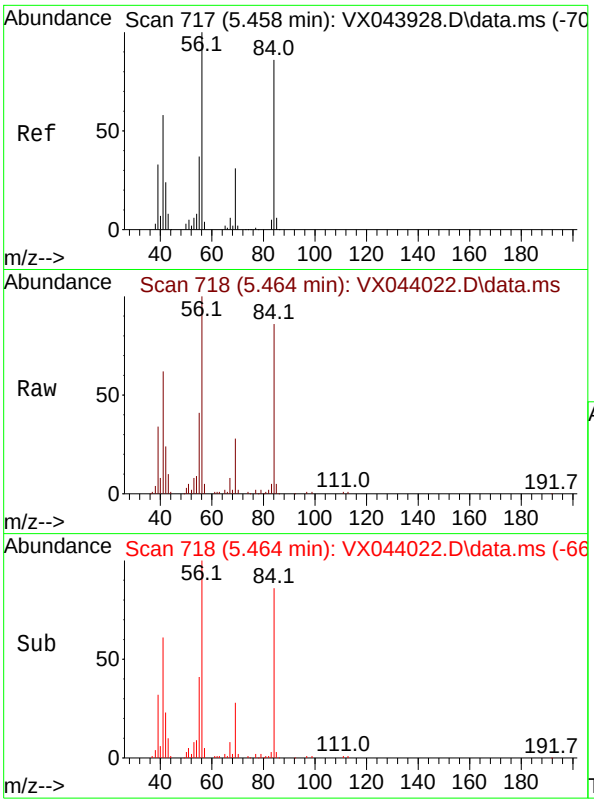


#30
Chloroform
Concen: 46.281 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 83 Resp: 149860

Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.5	80.3

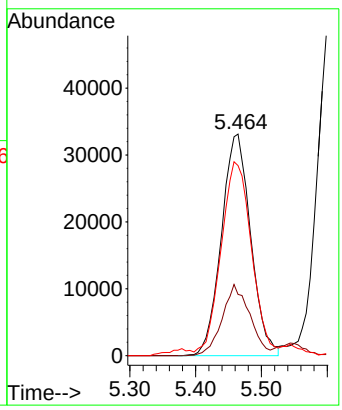




#31
Cyclohexane
Concen: 41.440 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 56 Resp: 10268

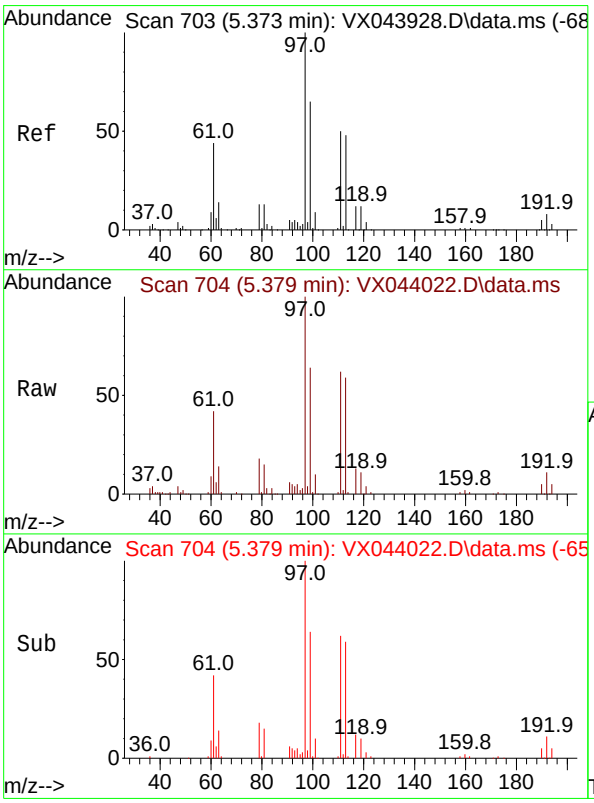
Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.7	37.1
84	83.3	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

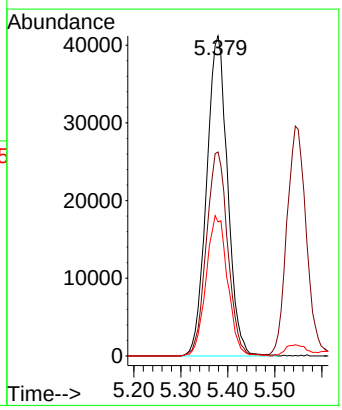
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

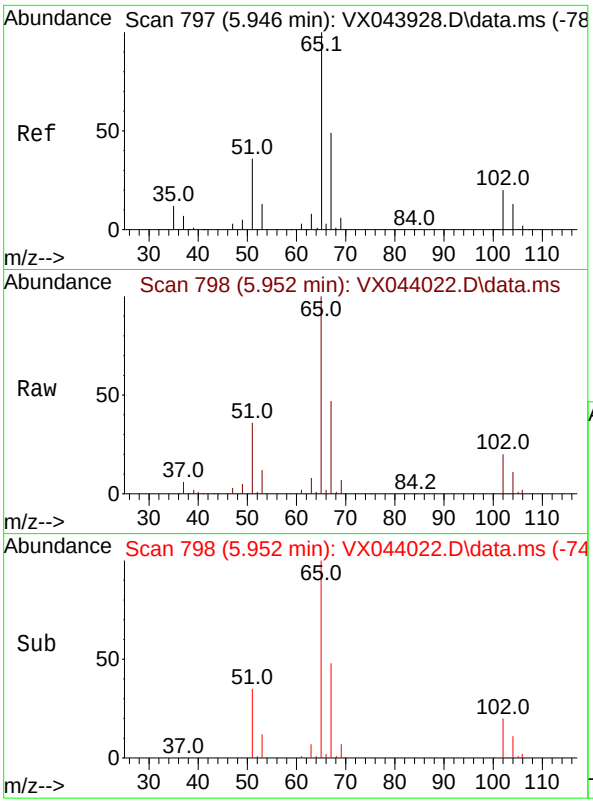


#32
1,1,1-Trichloroethane
Concen: 45.750 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 97 Resp: 127750

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.8	76.2
61	45.0	35.4	53.2





#33
1,2-Dichloroethane-d4
Concen: 45.721 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

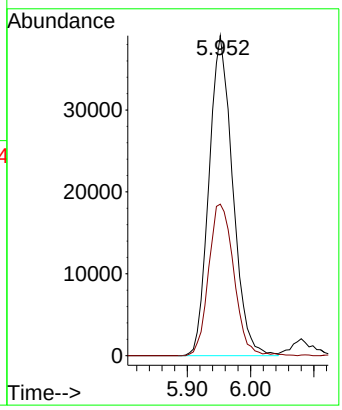
Tgt Ion: 65 Resp: 10164

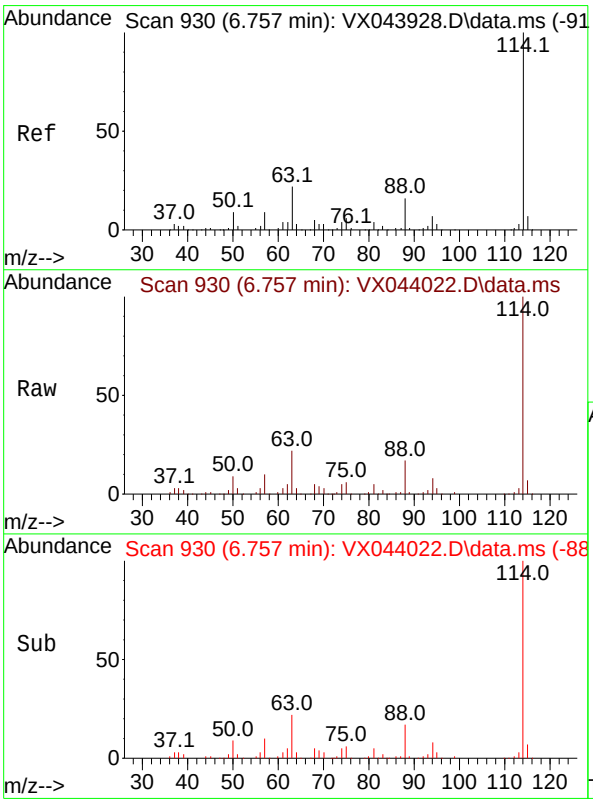
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

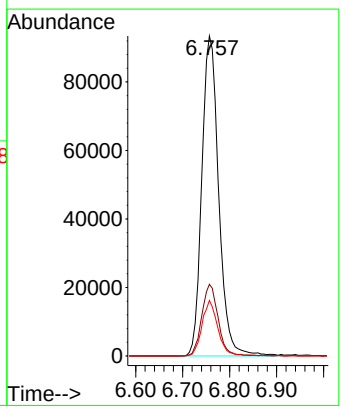


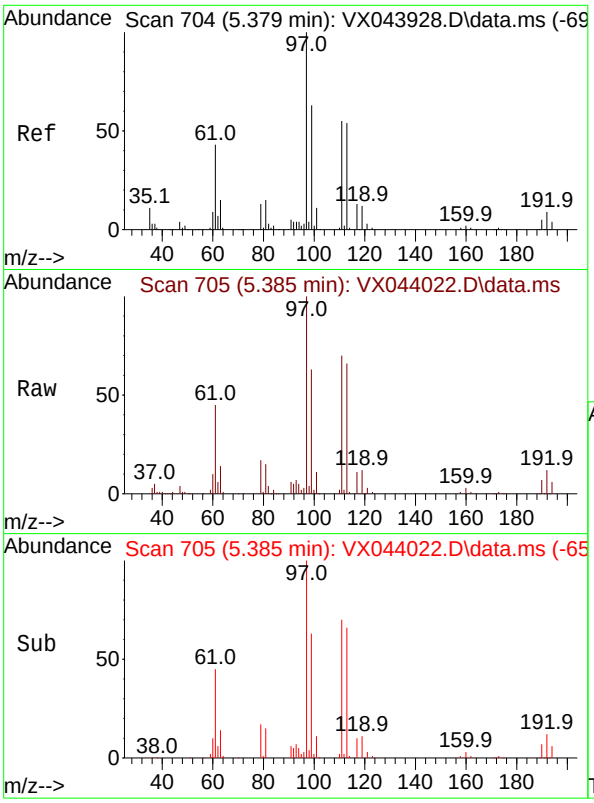


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:114 Resp: 232929

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.4	0.0	32.4

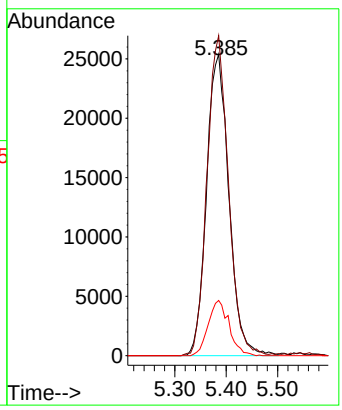




#35
Dibromofluoromethane
Concen: 46.085 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:113 Resp: 7670

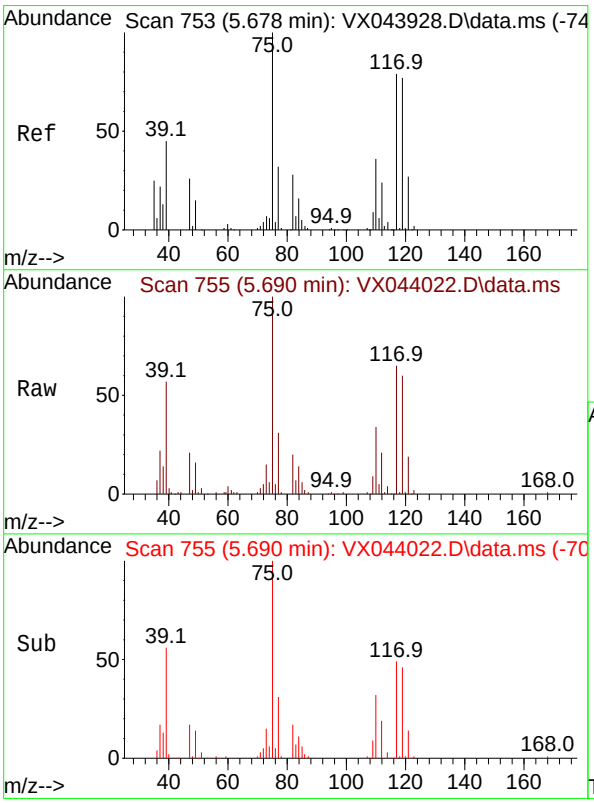
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	17.2	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

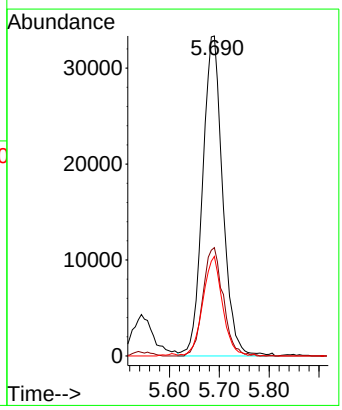
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

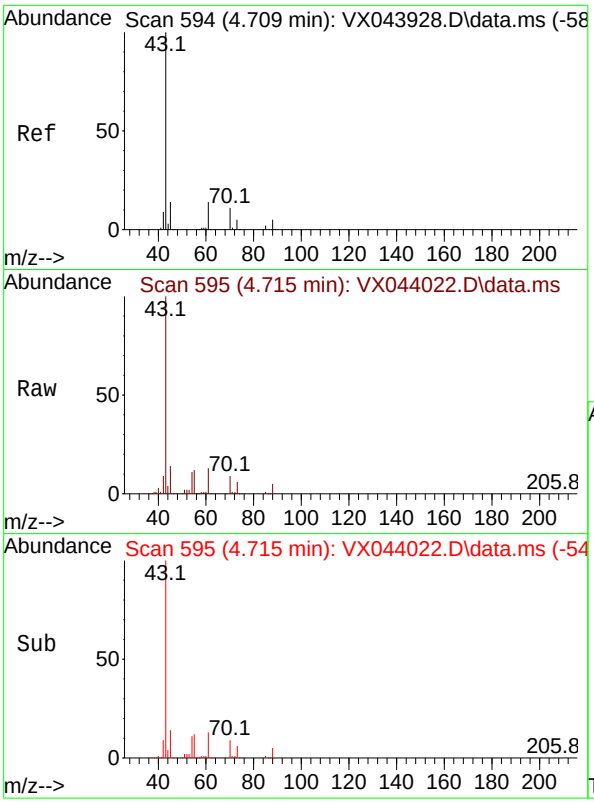


#36
1,1-Dichloropropene
Concen: 44.899 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 93123

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.2
77	30.5	25.8	38.8

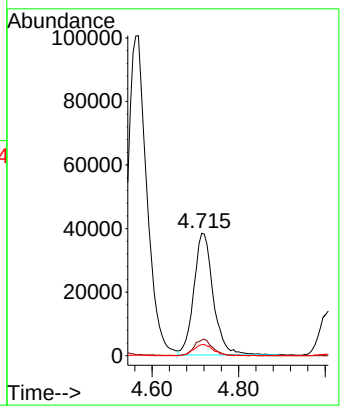




#37
Ethyl Acetate
Concen: 46.163 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 11884

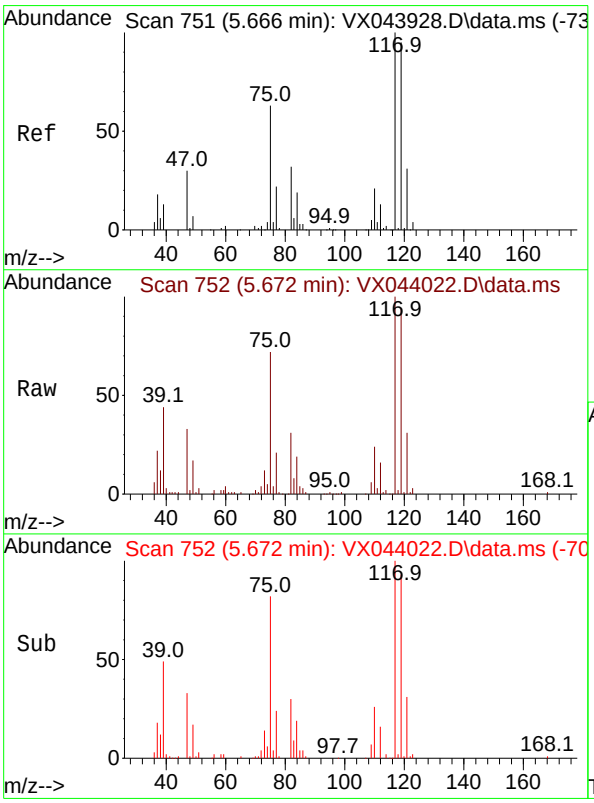
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.3	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

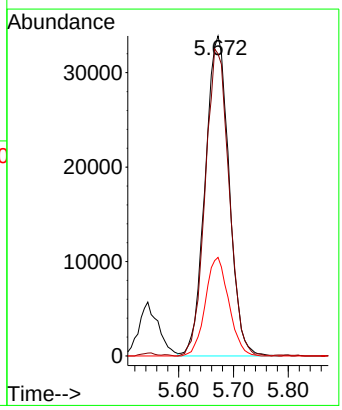
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

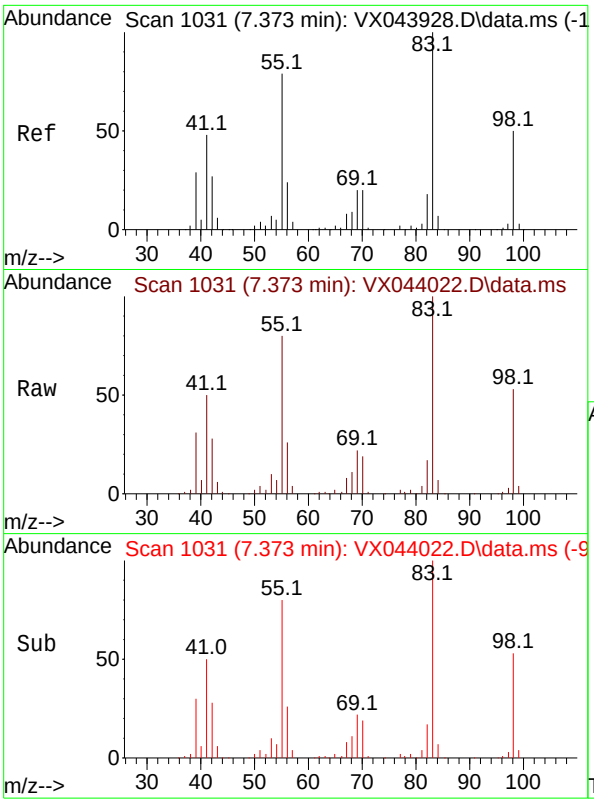


#38
Carbon Tetrachloride
Concen: 44.128 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:117 Resp: 102840

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.2	112.8
121	30.8	24.5	36.7





#39
Methylcyclohexane
Concen: 40.771 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

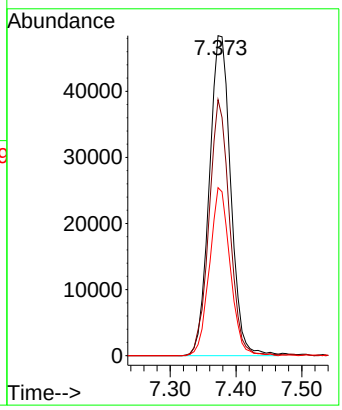
Tgt Ion: 83 Resp: 10985

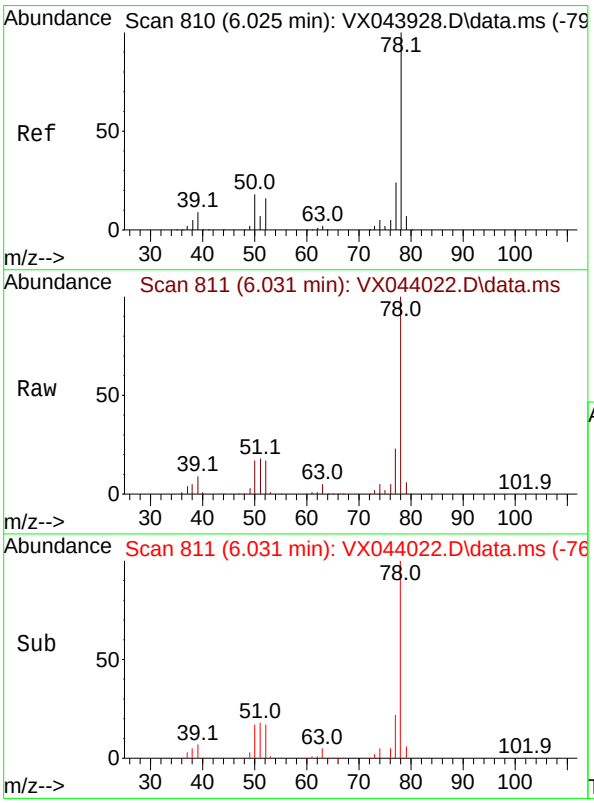
Ion	Ratio	Lower	Upper
83	100		
55	80.0	63.1	94.7
98	52.5	40.0	60.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

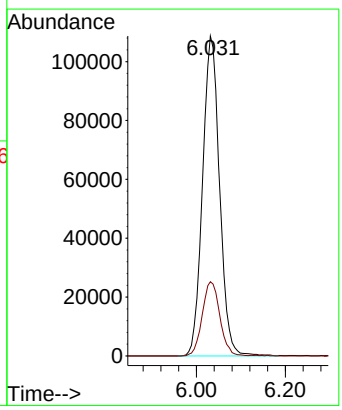


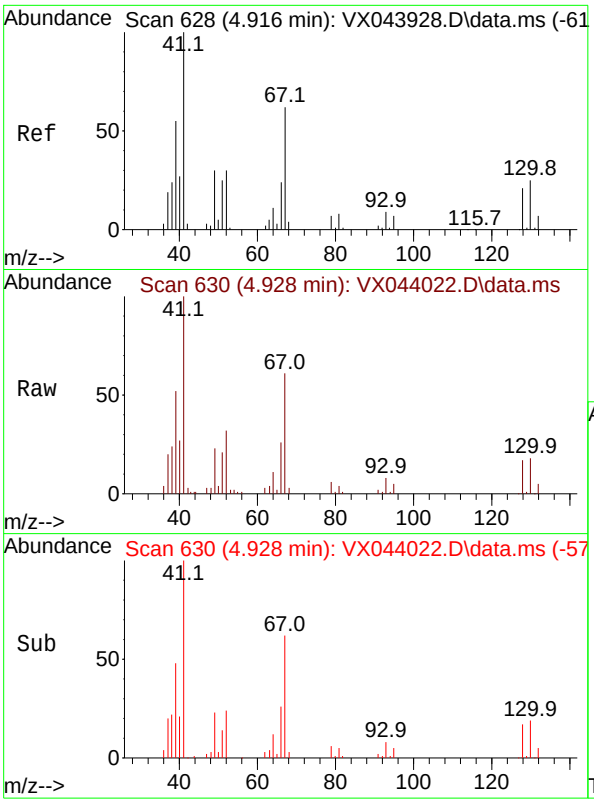


#40
Benzene
Concen: 44.870 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 78 Resp: 289884

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8

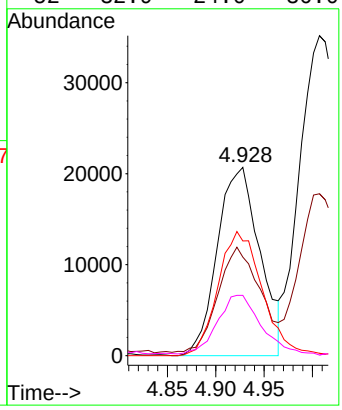




#41
Methacrylonitrile
Concen: 48.072 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 41 Resp: 6334

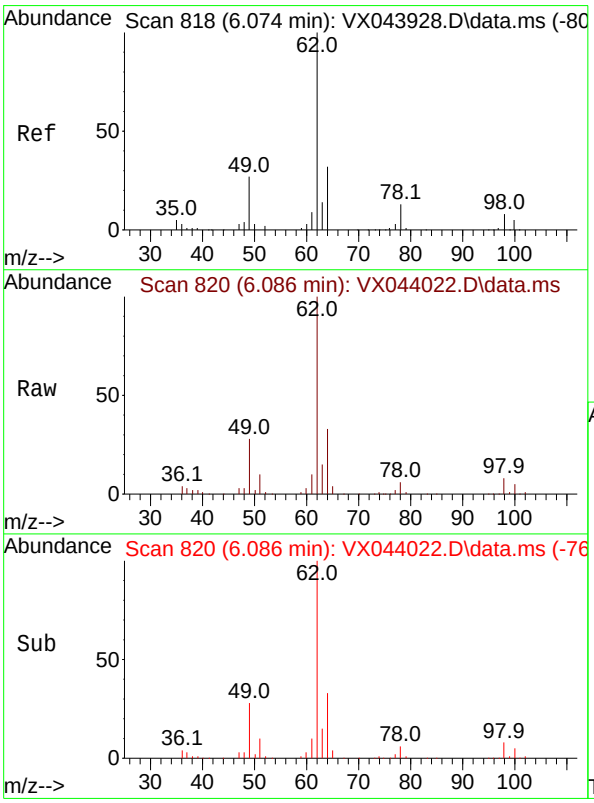
Ion	Ratio	Lower	Upper
41	100		
39	54.8	41.7	62.5
67	68.7	55.8	83.8
52	32.9	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

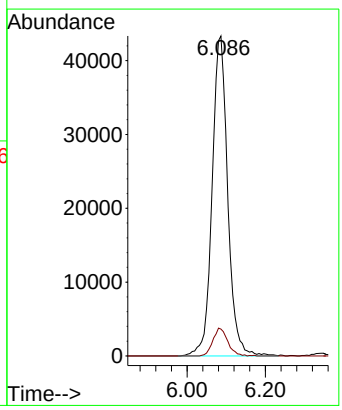
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

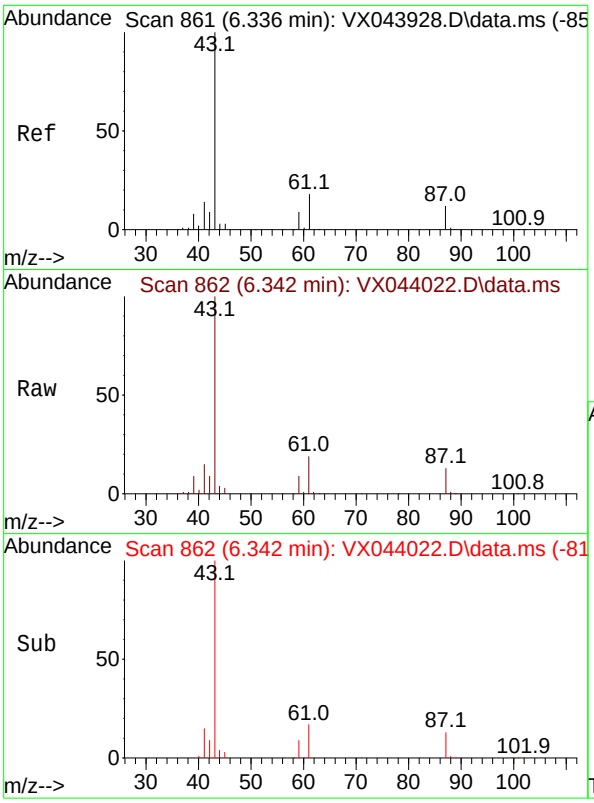


#42
1,2-Dichloroethane
Concen: 46.148 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 62 Resp: 119738

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43
Isopropyl Acetate
Concen: 45.956 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

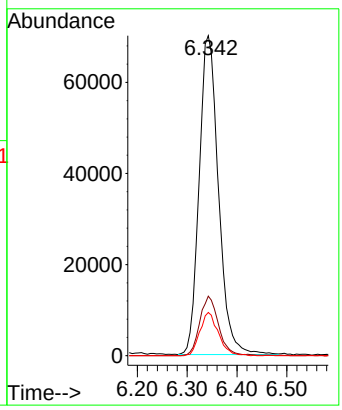
Tgt Ion: 43 Resp: 18829

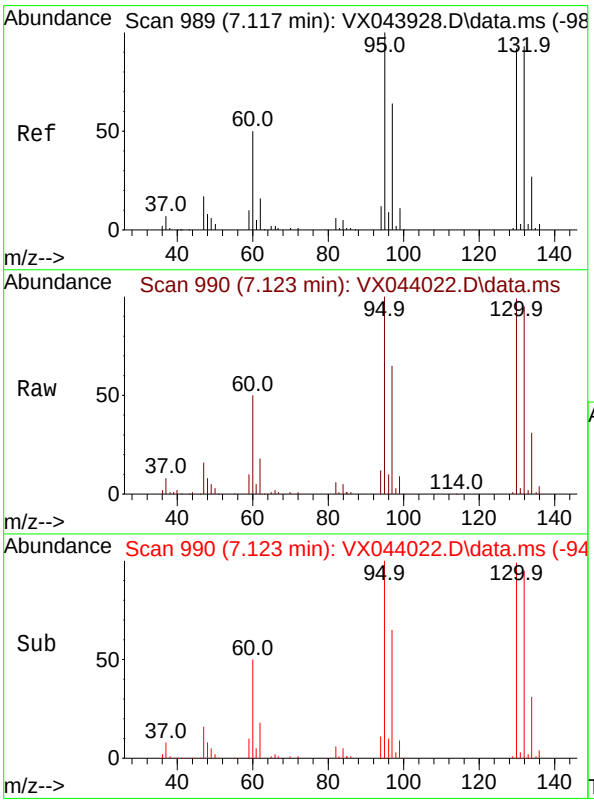
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.5	21.7
87	13.0	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

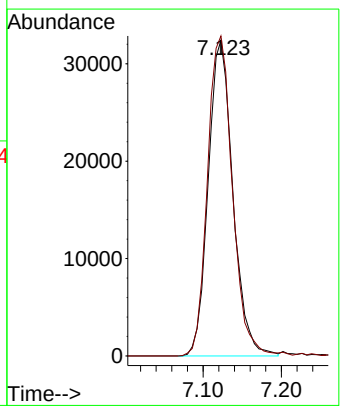


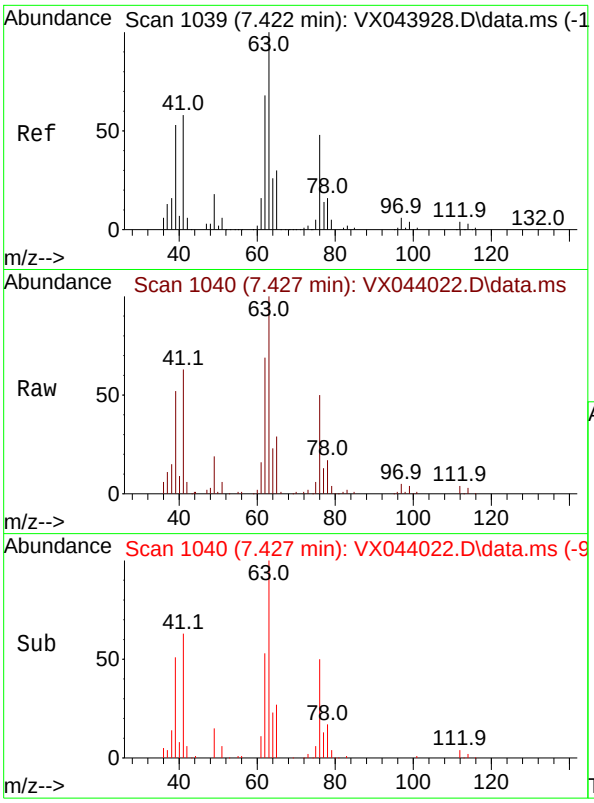


#44
Trichloroethene
Concen: 38.741 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:130 Resp: 70853

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	217.8





#45
1,2-Dichloropropane
Concen: 46.363 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

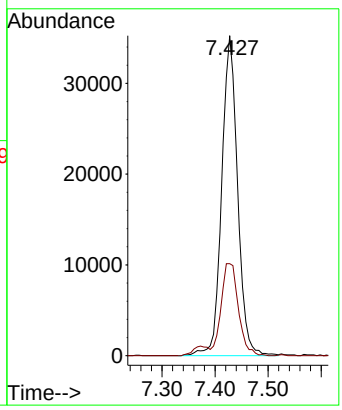
Tgt Ion: 63 Resp: 7336

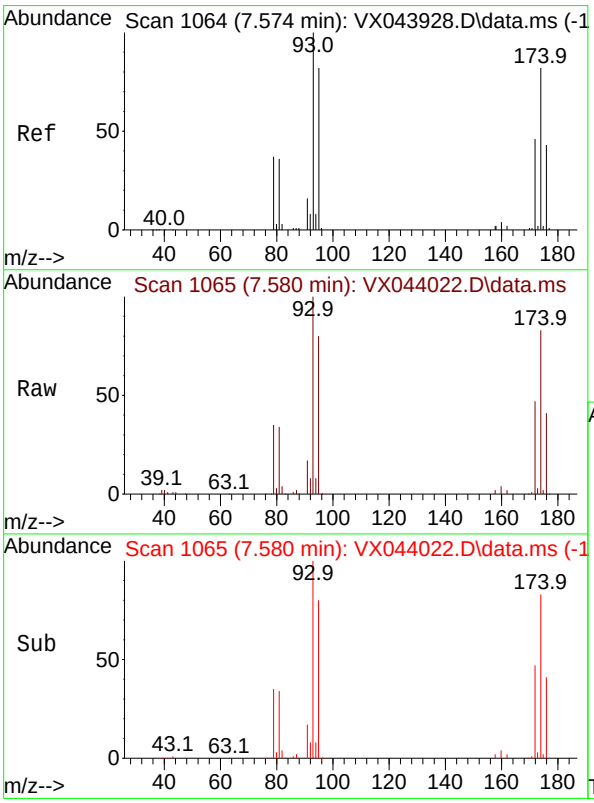
Ion	Ratio	Lower	Upper
63	100		
65	28.8	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

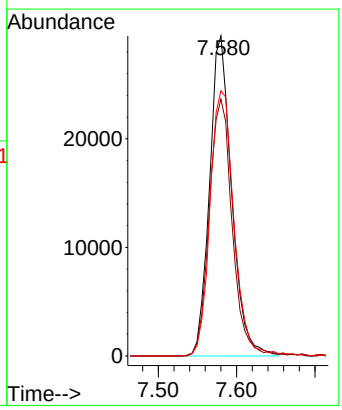


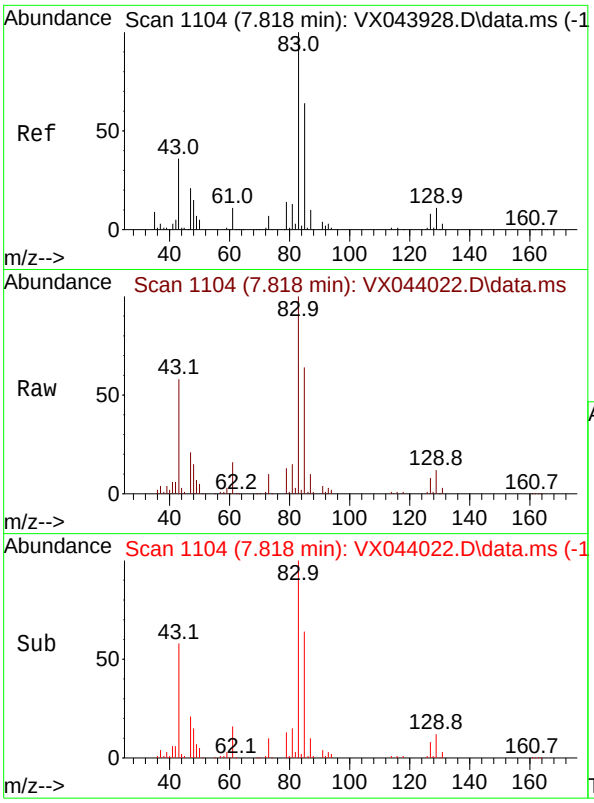


#46
Dibromomethane
Concen: 46.080 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 93 Resp: 57678

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	90.1	69.6	104.4

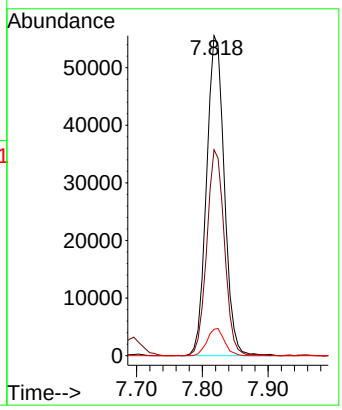




#47
Bromodichloromethane
Concen: 46.539 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 83 Resp: 10447

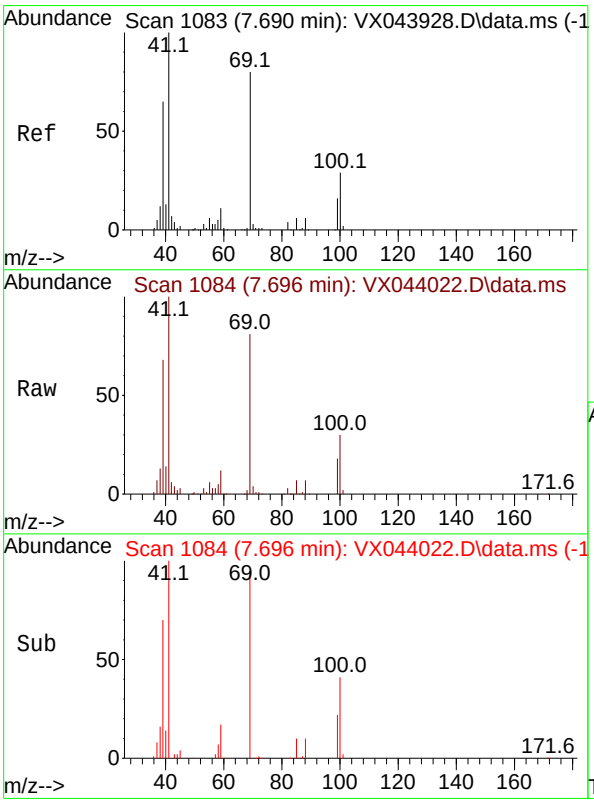
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0
127	8.2	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

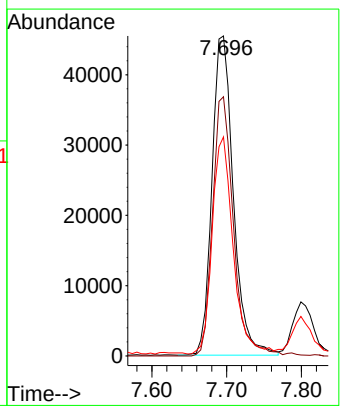
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

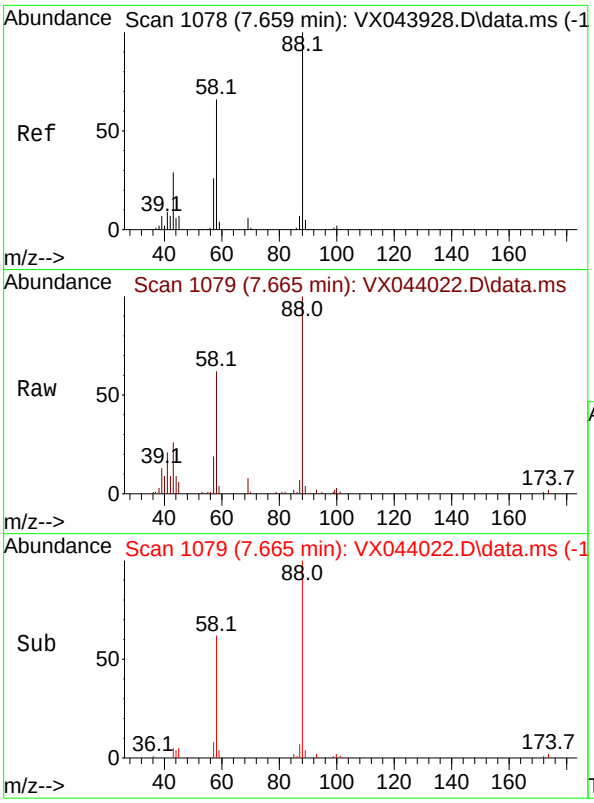


#48
Methyl methacrylate
Concen: 46.007 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 41 Resp: 90452

Ion	Ratio	Lower	Upper
41	100		
69	79.2	64.6	97.0
39	66.5	53.3	79.9

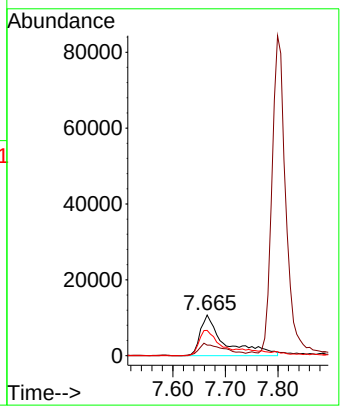




#49
1,4-Dioxane
Concen: 998.146 ug/l m
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 88 Resp: 3495(

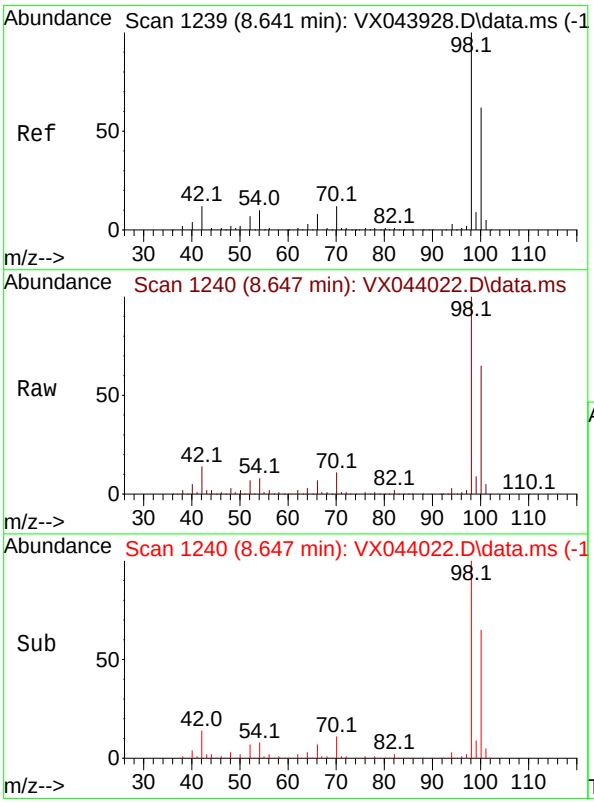
Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.8	40.2
58	49.4	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

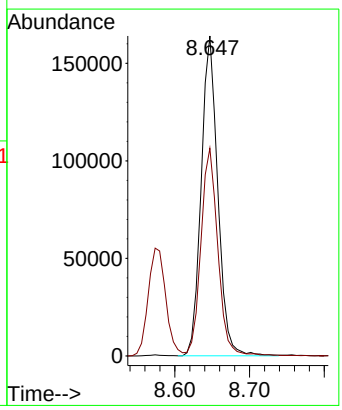
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

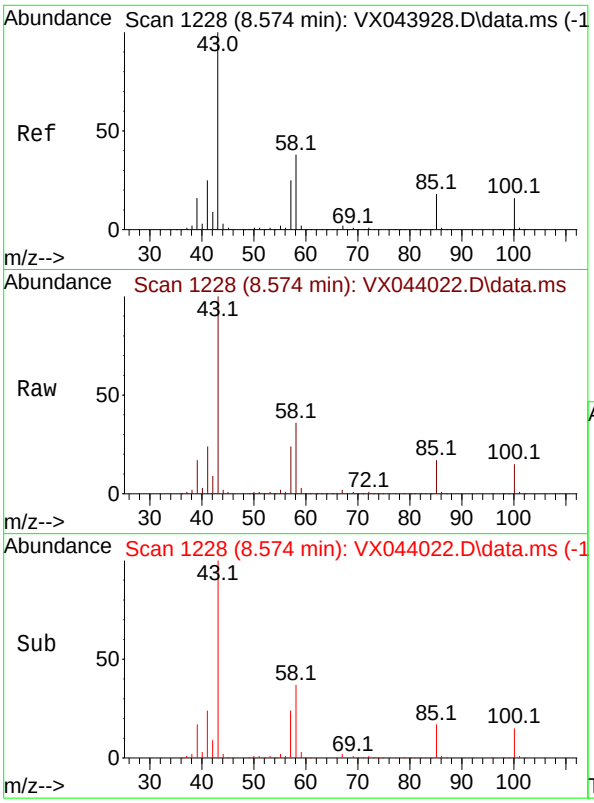


#50
Toluene-d8
Concen: 44.028 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 98 Resp: 252602

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	79.0

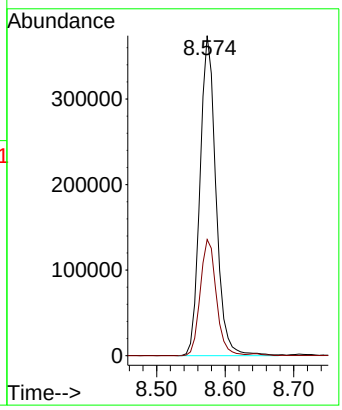




#51
4-Methyl-2-Pentanone
Concen: 242.496 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 60632

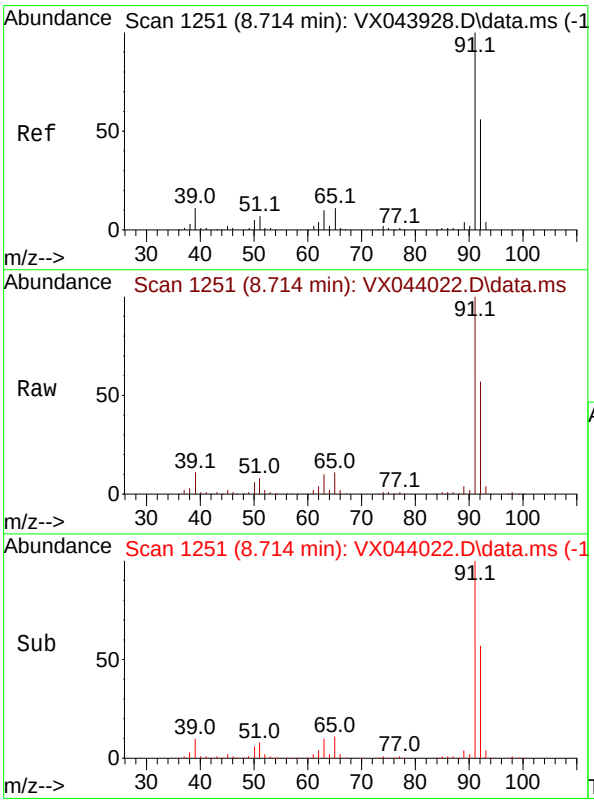
Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

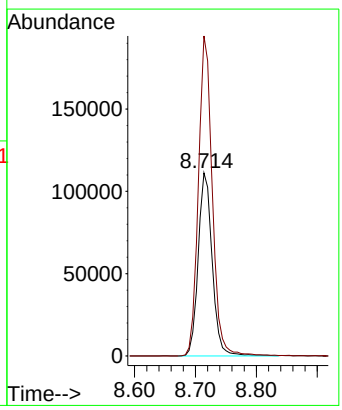
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

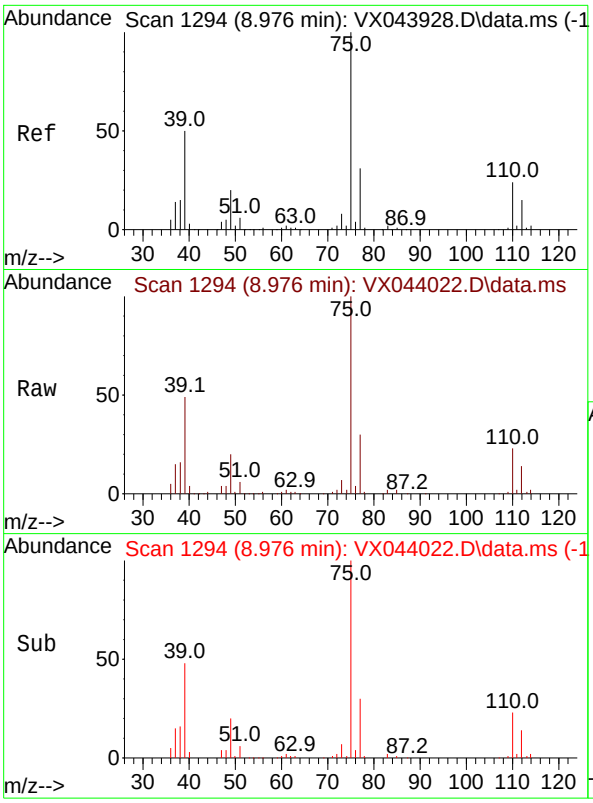


#52
Toluene
Concen: 45.970 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 92 Resp: 177758

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.7	209.5

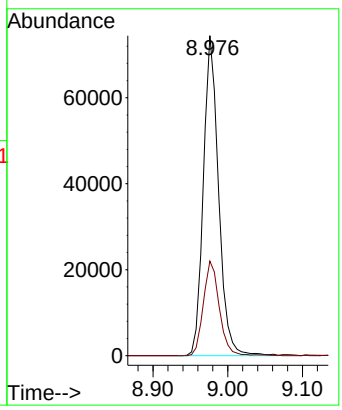




#53
t-1,3-Dichloropropene
Concen: 45.983 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 10526

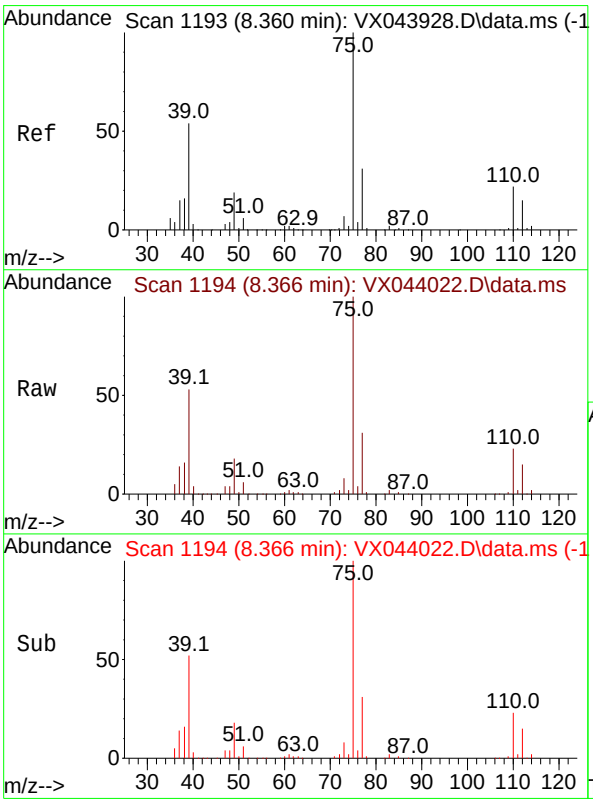
Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

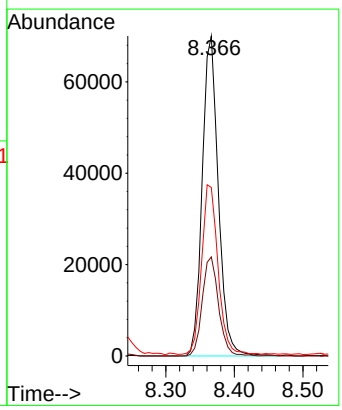
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

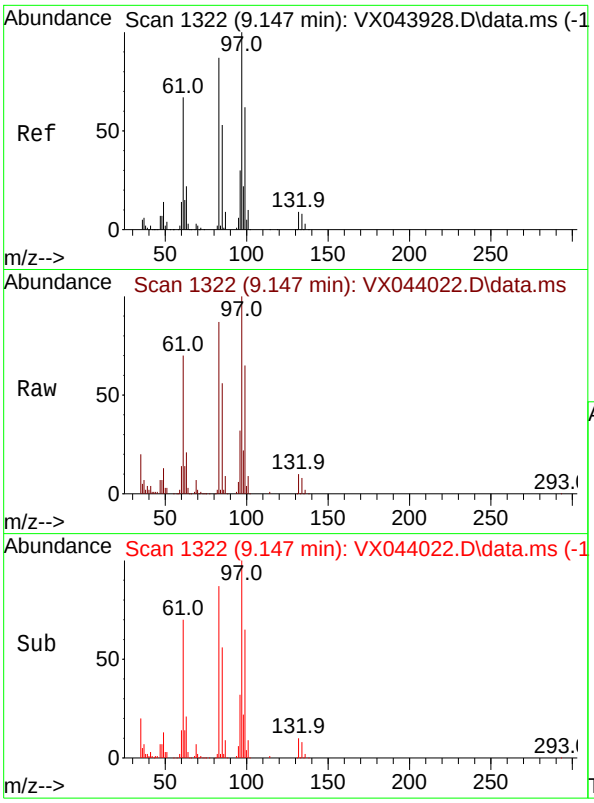


#54
cis-1,3-Dichloropropene
Concen: 45.674 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 114622

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	52.1	43.1	64.7

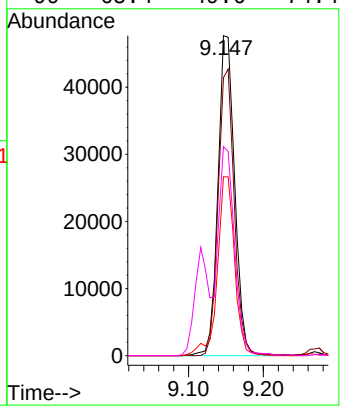




#55
1,1,2-Trichloroethane
Concen: 46.503 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 97 Resp: 7422

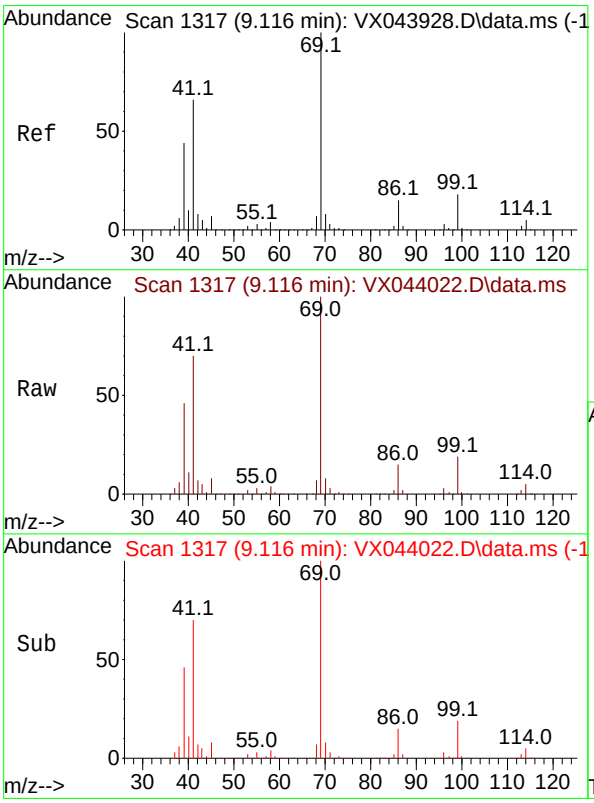
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.0
85	55.9	42.3	63.5
99	65.4	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

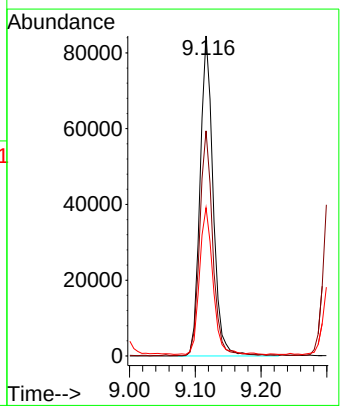
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

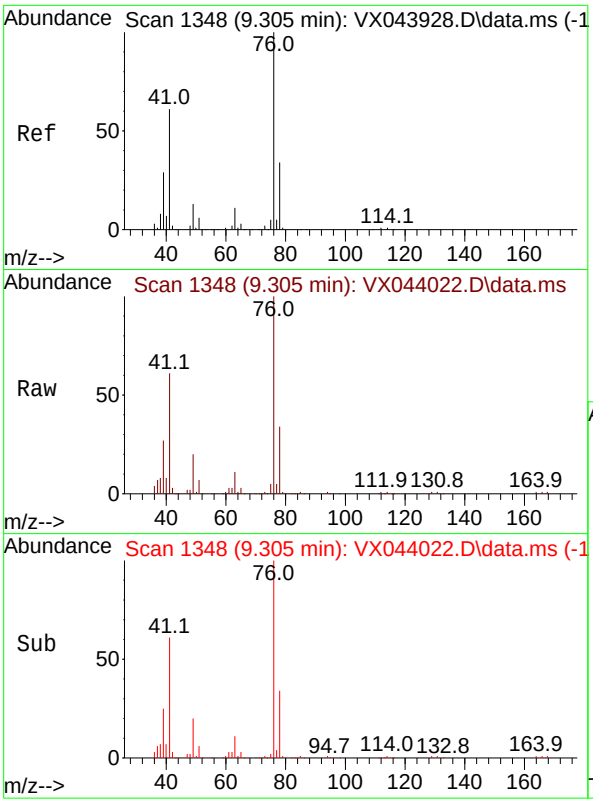


#56
Ethyl methacrylate
Concen: 46.987 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 69 Resp: 116819

Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	46.5	36.7	55.1

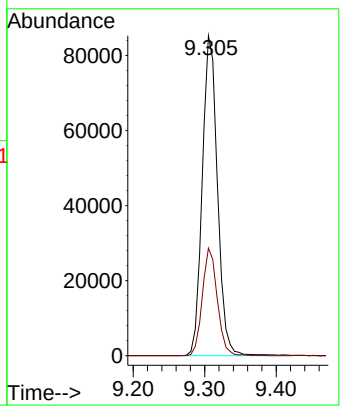




#57
1,3-Dichloropropane
Concen: 46.788 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 76 Resp: 12580

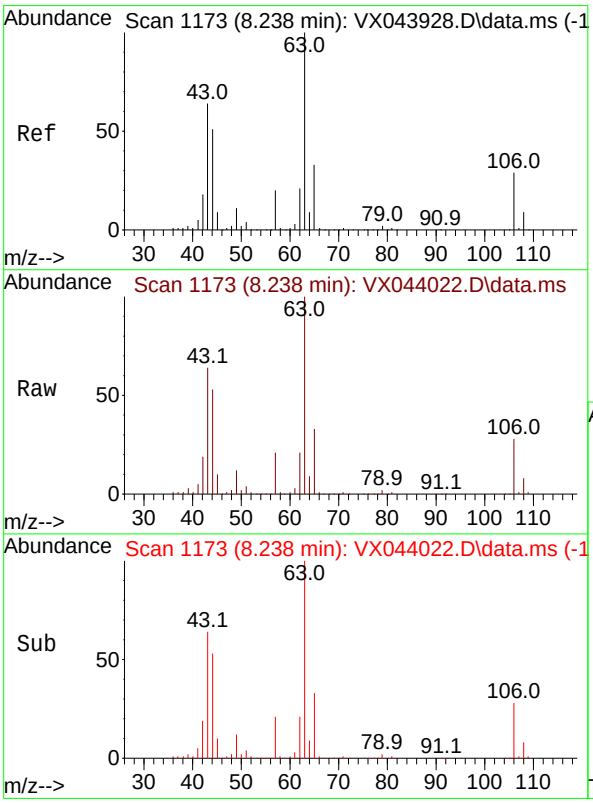
Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

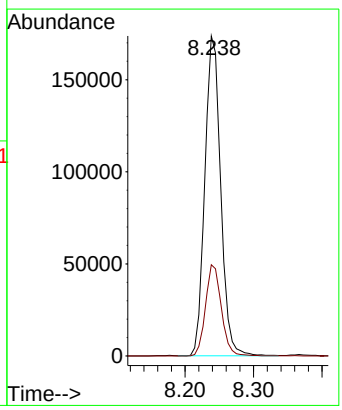
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

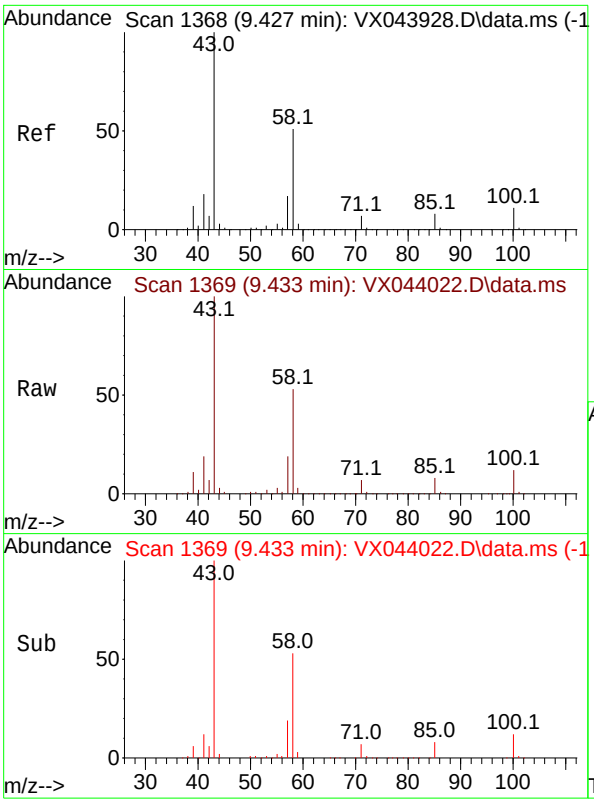


#58
2-Chloroethyl Vinyl ether
Concen: 204.586 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 63 Resp: 279354

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6

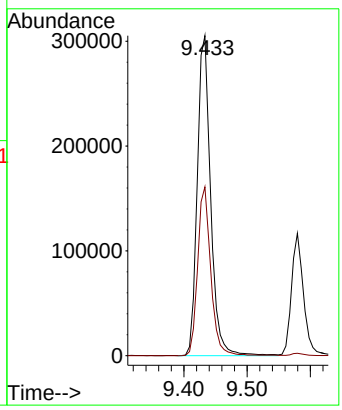




#59
2-Hexanone
Concen: 238.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 44905

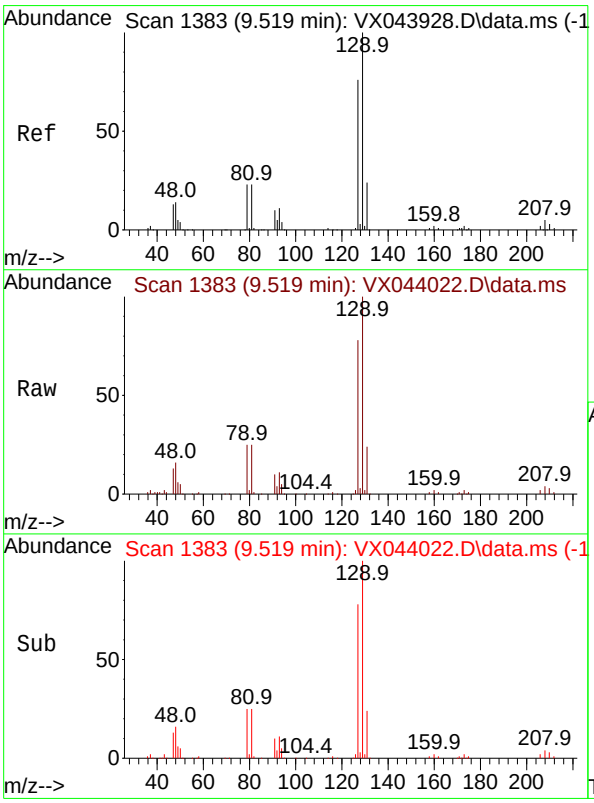
Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

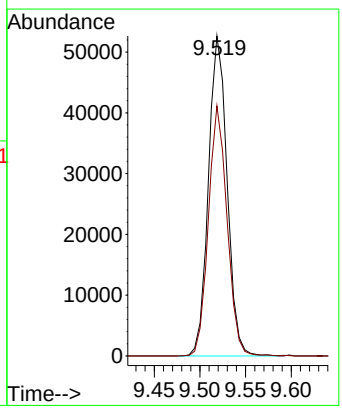
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

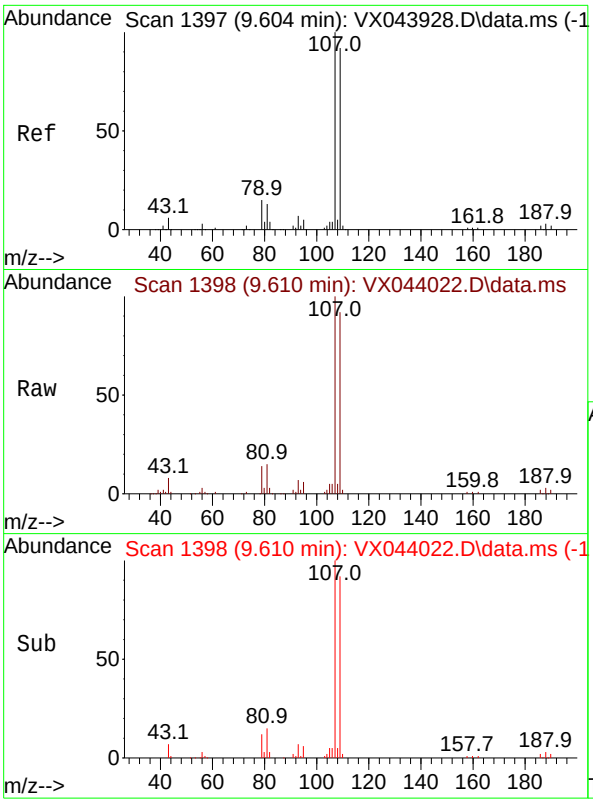


#60
Dibromochloromethane
Concen: 46.621 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:129 Resp: 74665

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.2	114.6

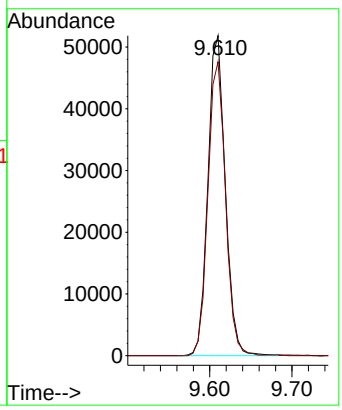




#61
1,2-Dibromoethane
Concen: 47.112 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:107 Resp: 7603

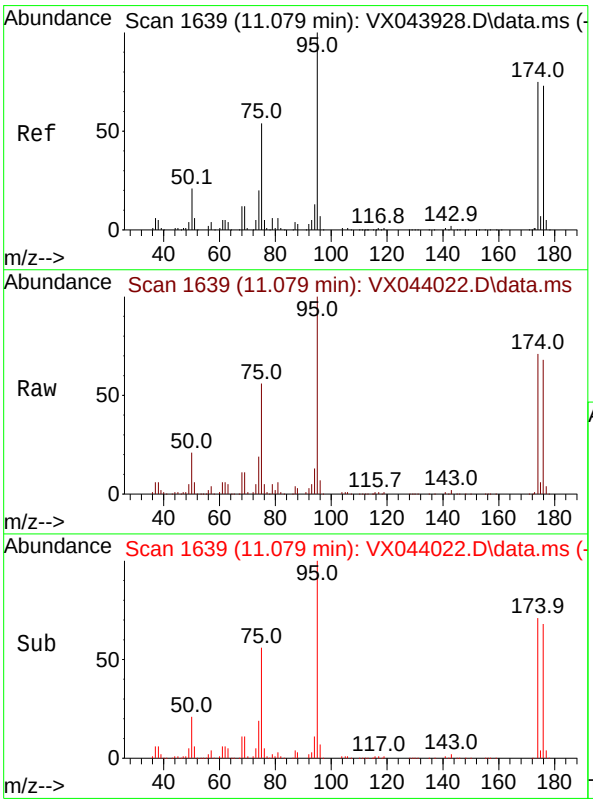
Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

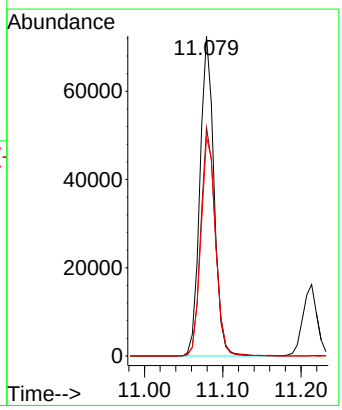
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

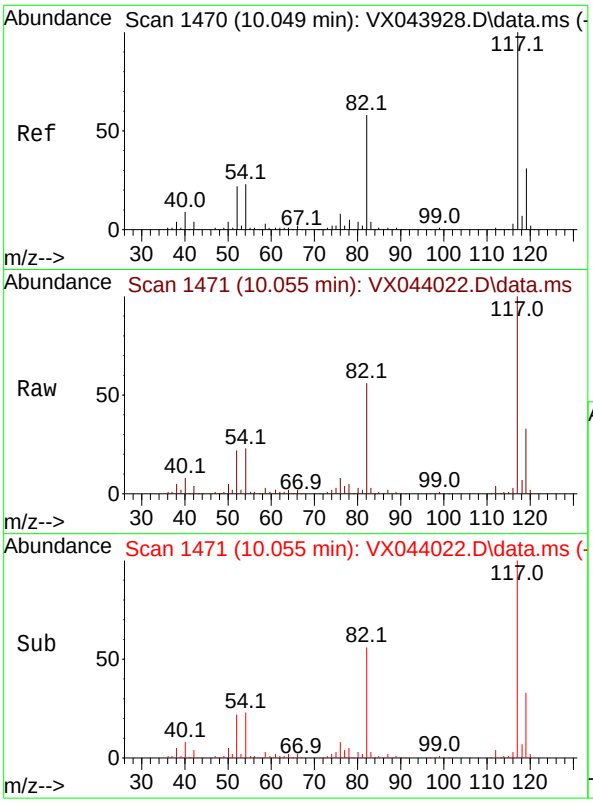


#62
4-Bromofluorobenzene
Concen: 46.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 95 Resp: 90209

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	150.4
176	71.5	0.0	146.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

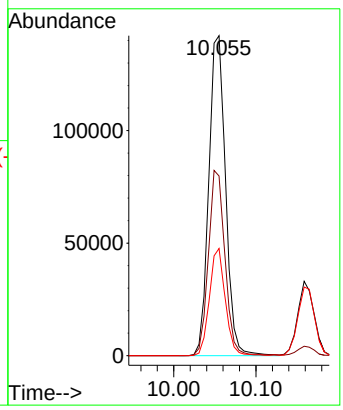
Tgt Ion:117 Resp: 20150

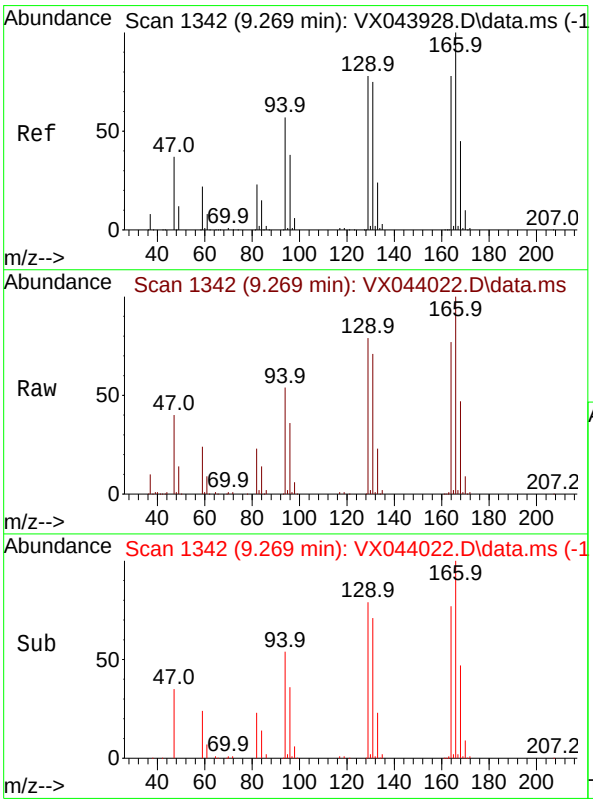
Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.4	69.6
119	33.5	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

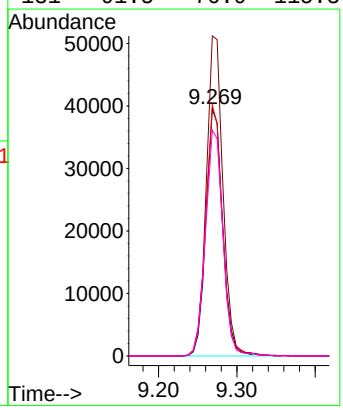


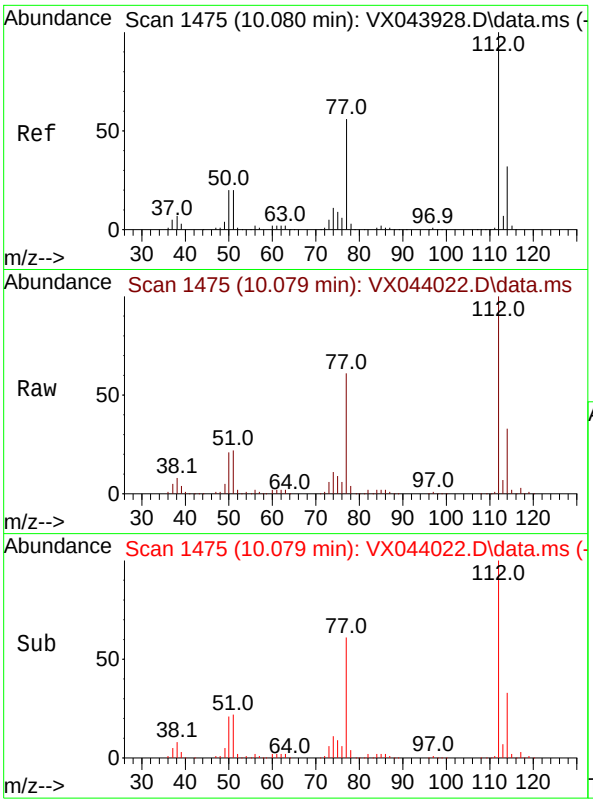


#64
Tetrachloroethene
Concen: 44.283 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:164 Resp: 58837

Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.1	153.1
129	101.8	79.6	119.4
131	91.5	76.9	115.3





#65
Chlorobenzene
Concen: 44.078 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

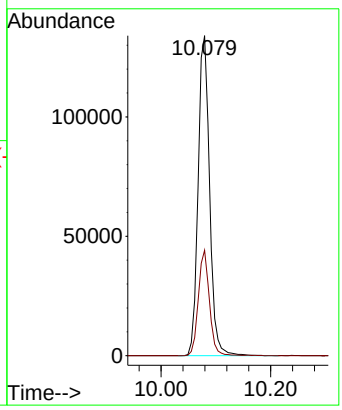
Tgt Ion:112 Resp: 19506

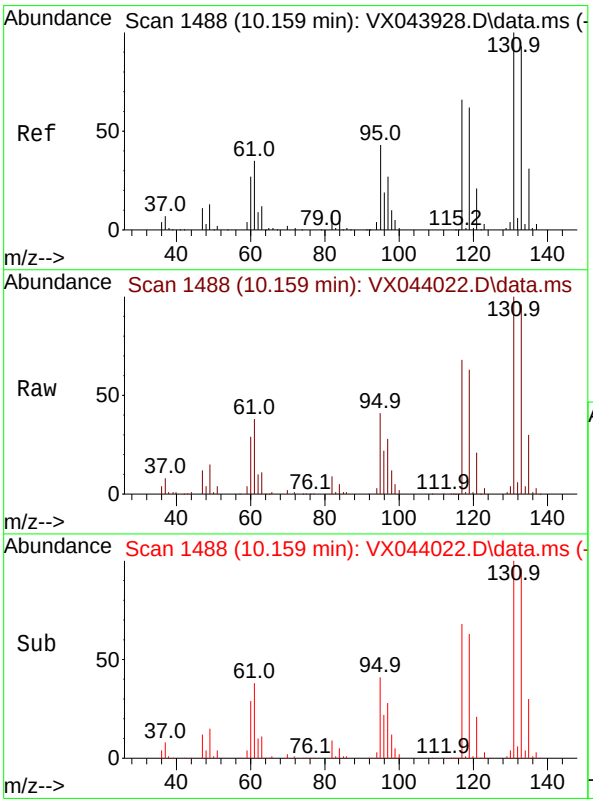
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

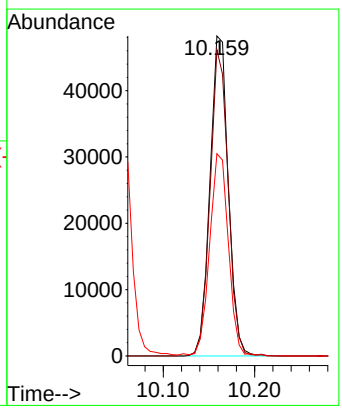


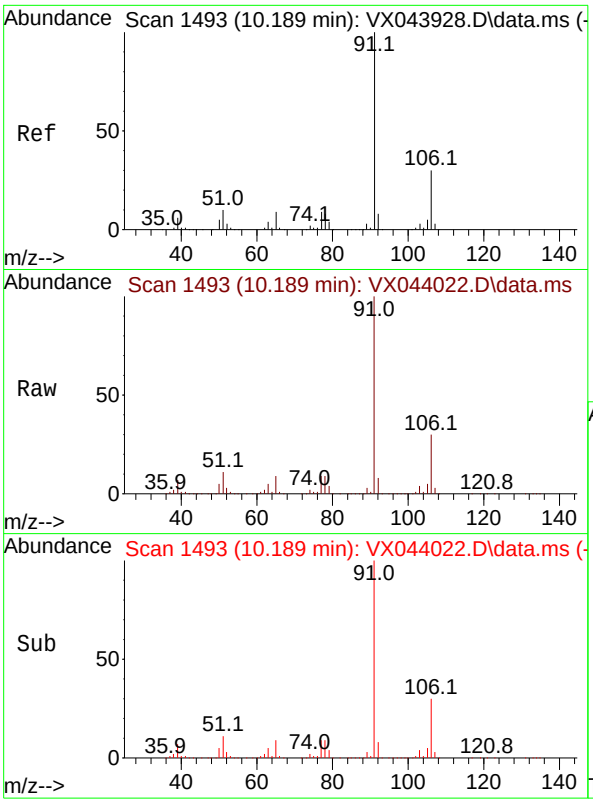


#66
1,1,1,2-Tetrachloroethane
Concen: 46.975 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:131 Resp: 67421

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.2	144.6
119	64.9	31.5	94.5

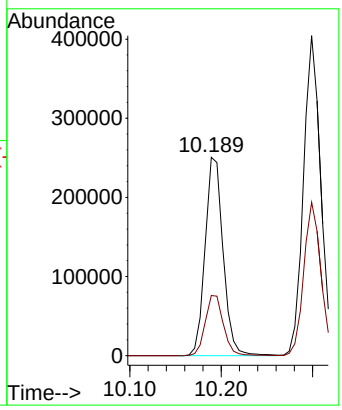




#67
Ethyl Benzene
Concen: 45.714 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 34281

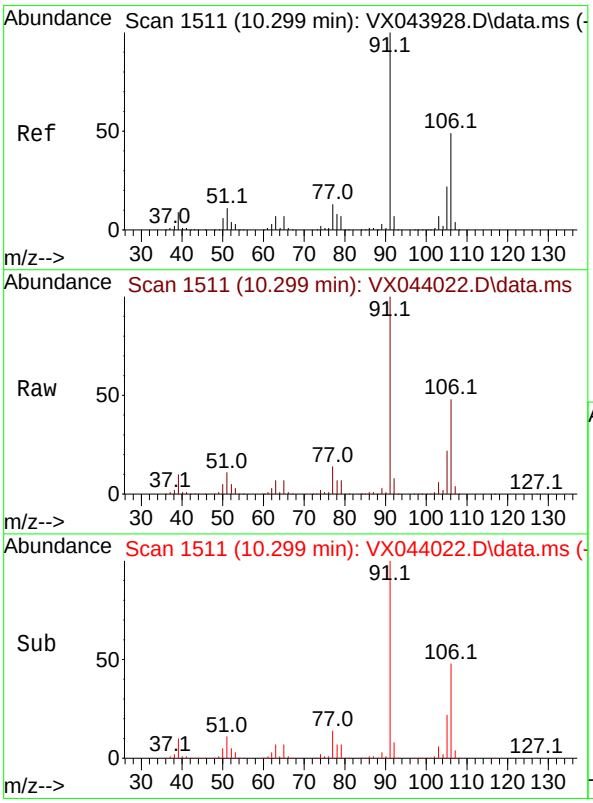
Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

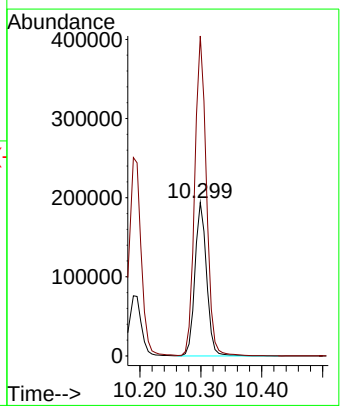
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

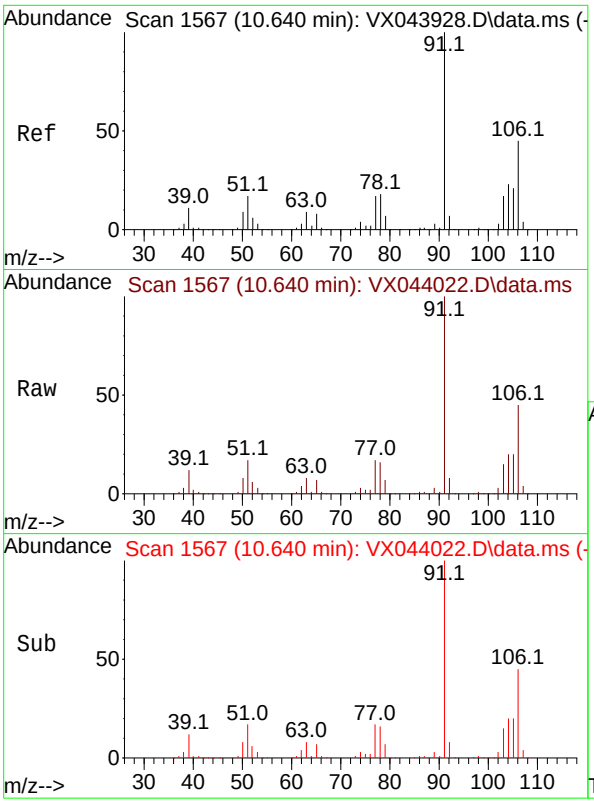


#68
m/p-Xylenes
Concen: 91.591 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:106 Resp: 256139

Ion	Ratio	Lower	Upper
106	100		
91	210.1	168.1	252.1

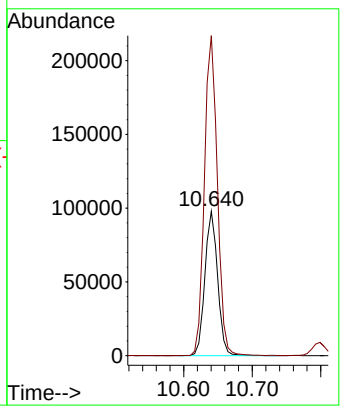




#69
o-Xylene
Concen: 46.288 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:106 Resp: 12638

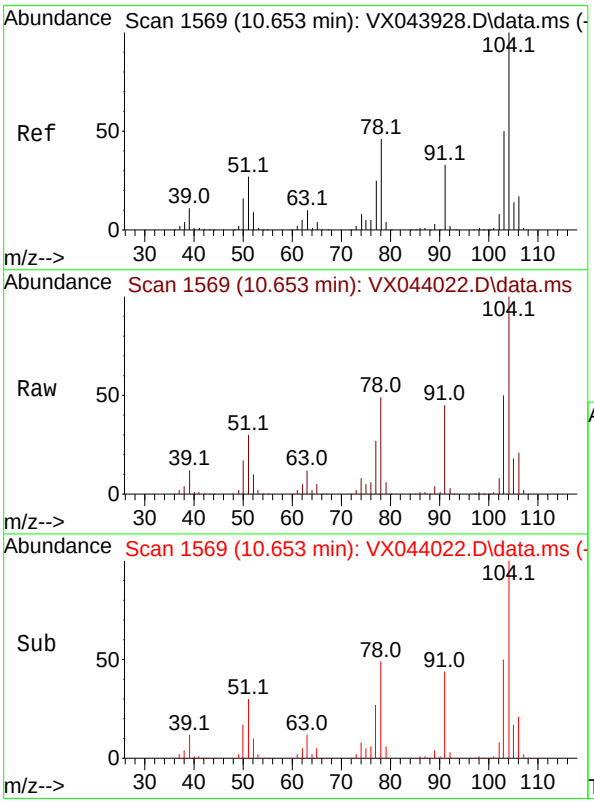
Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

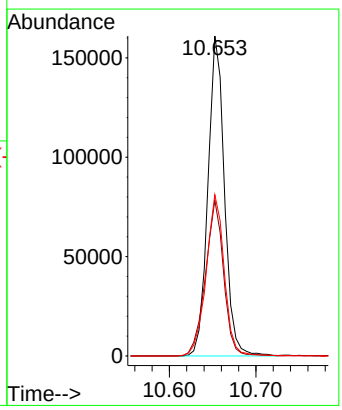
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

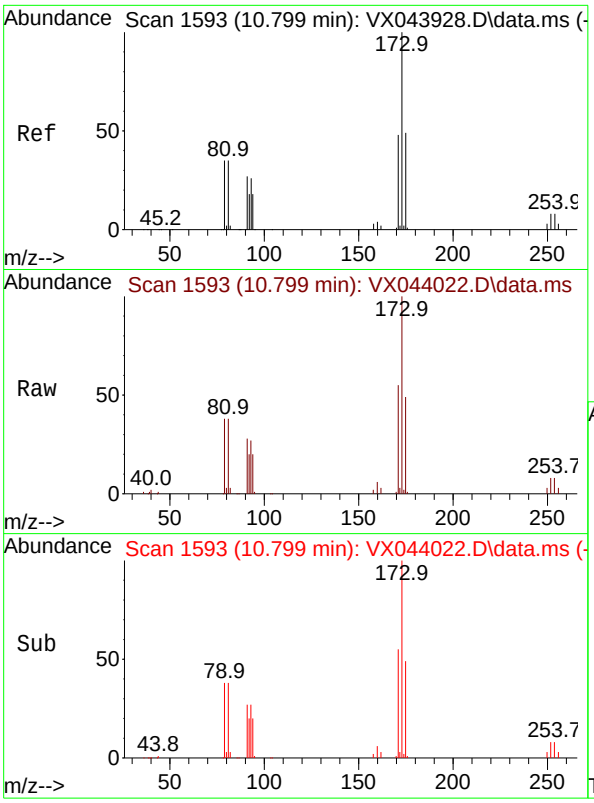


#70
Styrene
Concen: 47.303 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:104 Resp: 213625

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.2
103	55.3	44.7	67.1

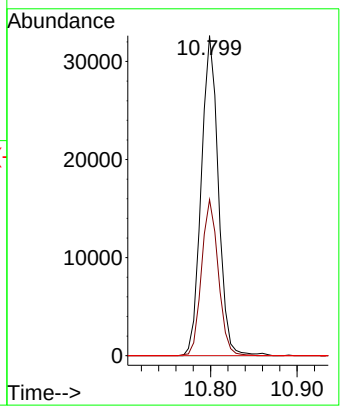




#71
Bromoform
Concen: 41.511 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:173 Resp: 4462

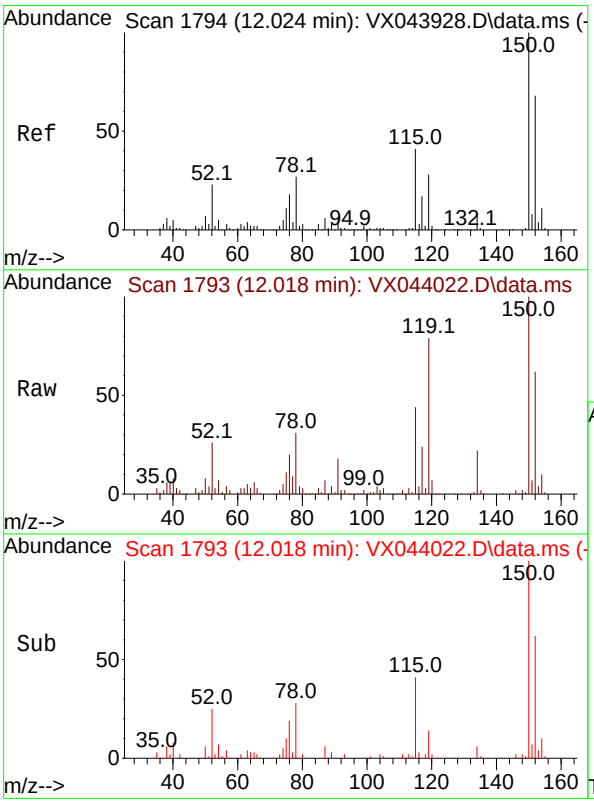
Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

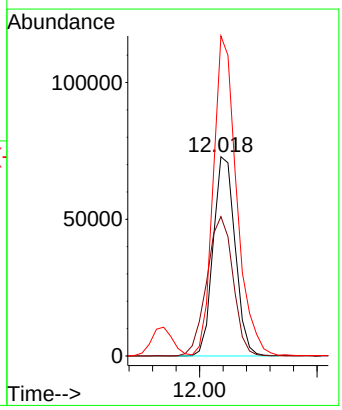
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

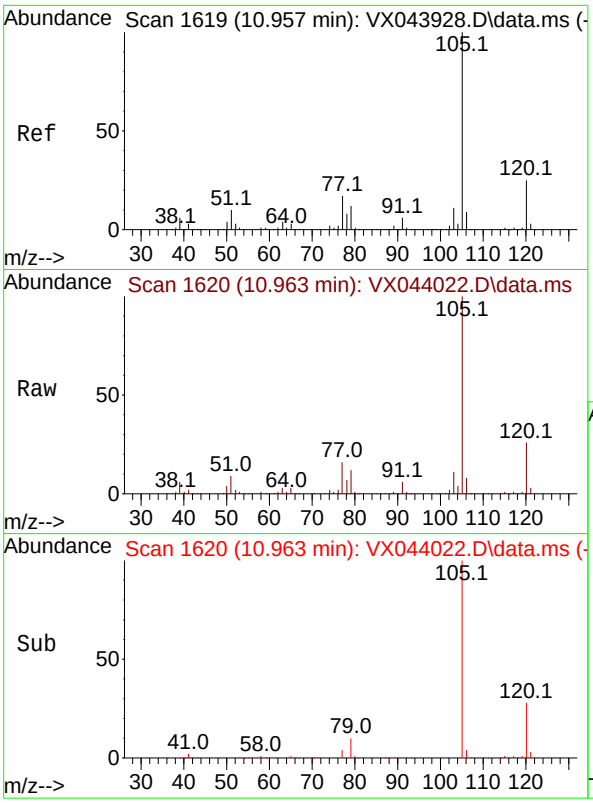


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:152 Resp: 94669

Ion	Ratio	Lower	Upper
152	100		
115	83.5	45.4	136.2
150	171.0	0.0	353.0

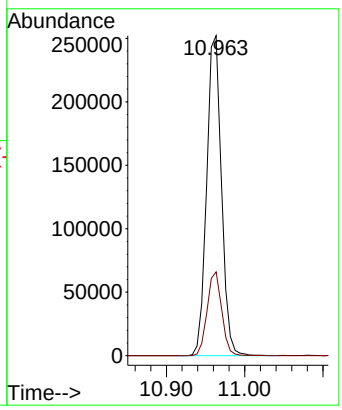




#73
Isopropylbenzene
Concen: 45.287 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 32956

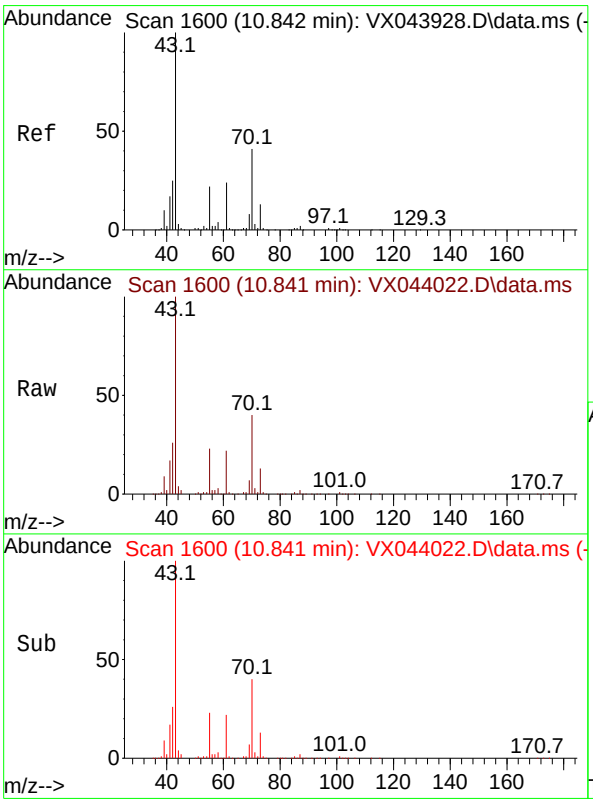
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

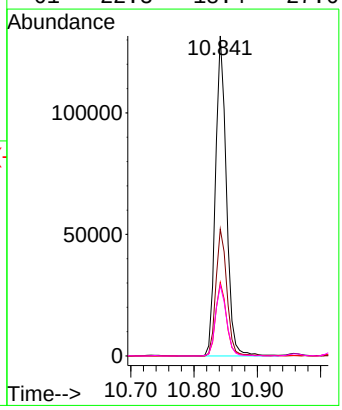
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

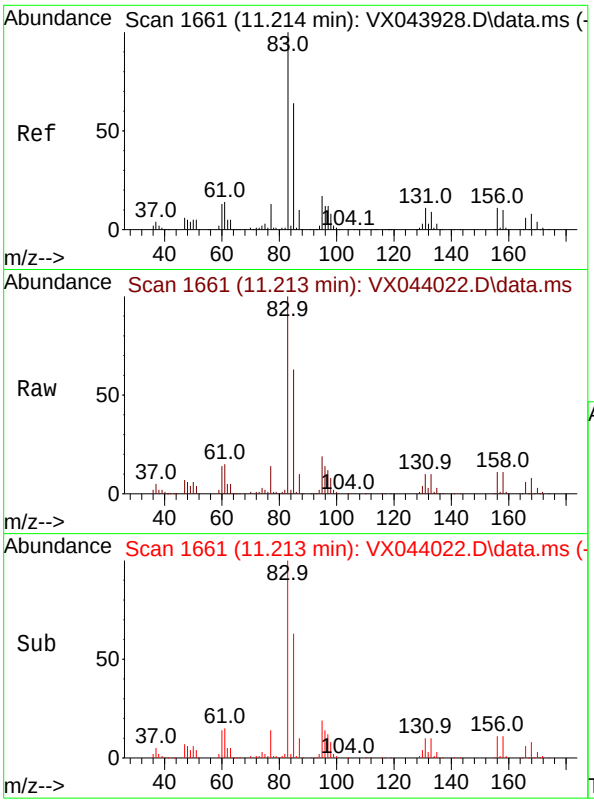


#74
N-amyl acetate
Concen: 46.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 157167

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.2
55	22.9	18.1	27.1
61	22.3	18.4	27.6

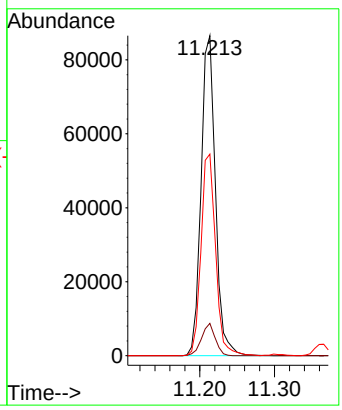




#75
1,1,2,2-Tetrachloroethane
Concen: 46.217 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 83 Resp: 11516

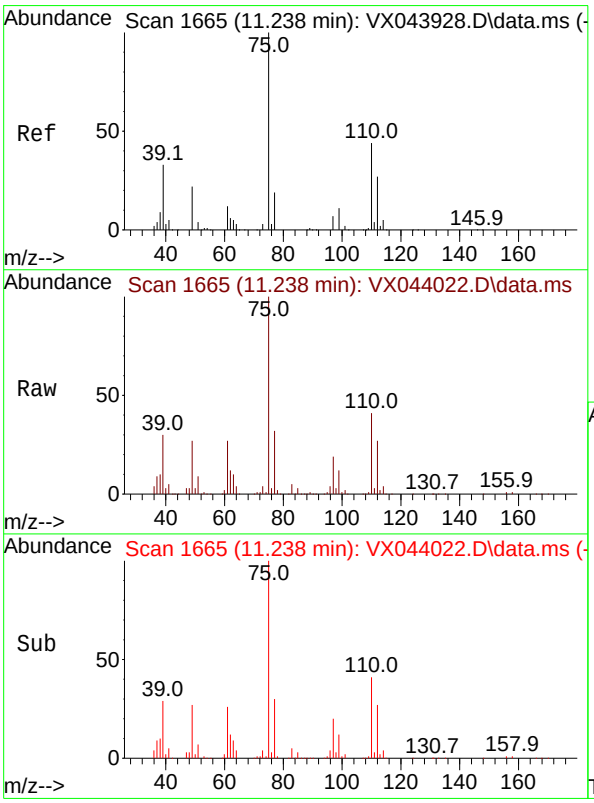
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.2
85	64.1	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

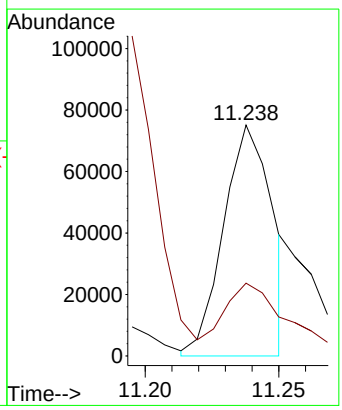
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

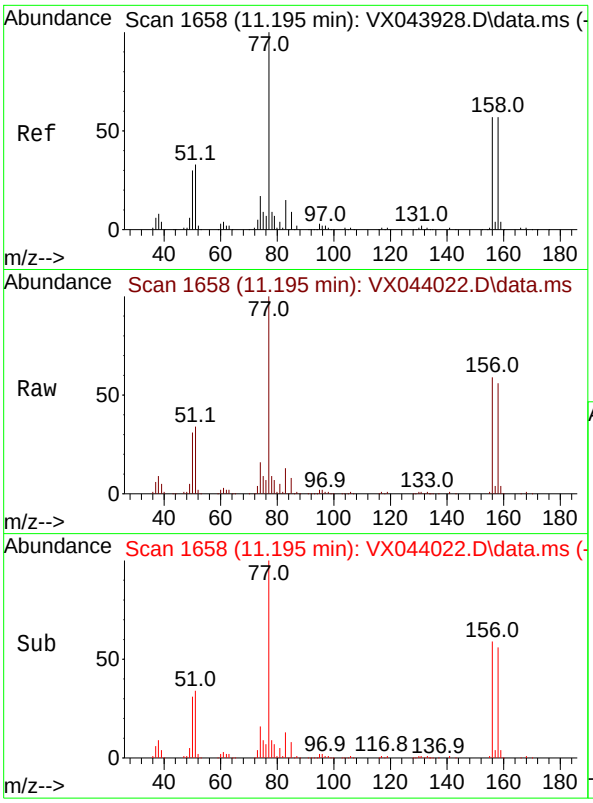


#76
1,2,3-Trichloropropane
Concen: 45.977 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 95452

Ion	Ratio	Lower	Upper
75	100		
77	41.7	21.8	65.3

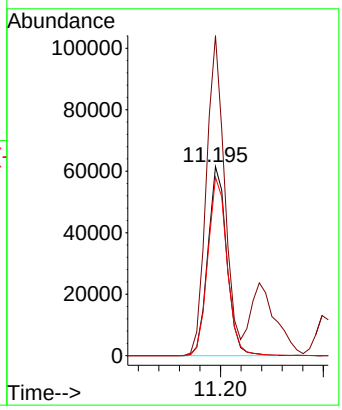




#77
Bromobenzene
Concen: 45.286 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:156 Resp: 7861

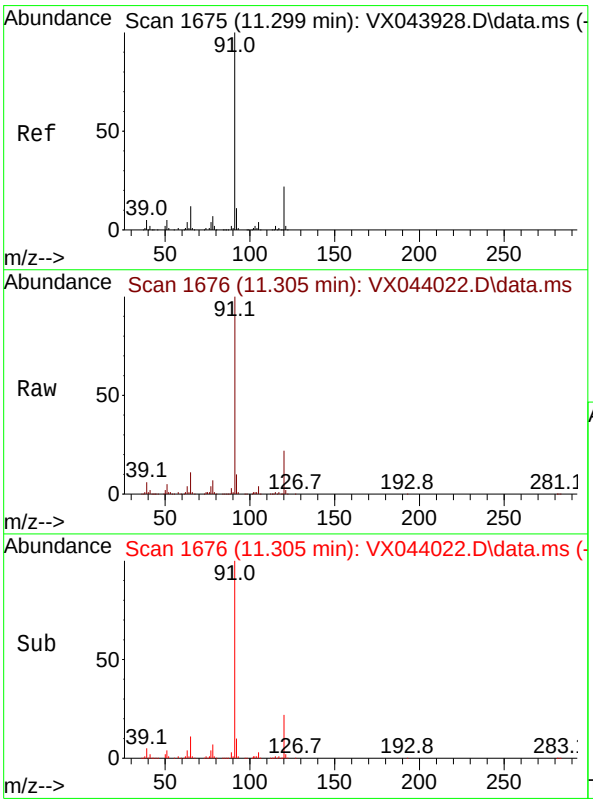
Ion	Ratio	Lower	Upper
156	100		
77	163.4	83.4	250.1
158	96.4	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

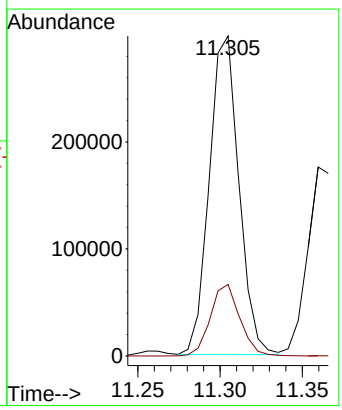
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

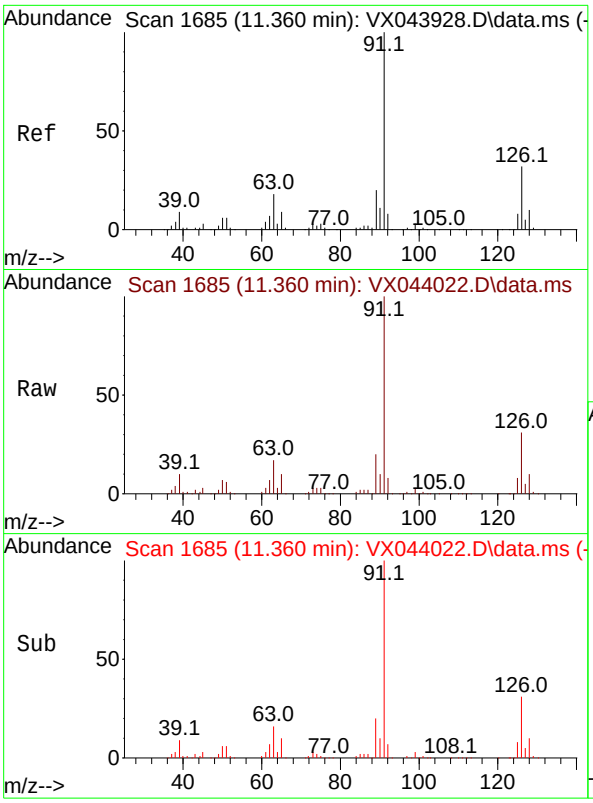


#78
n-propylbenzene
Concen: 45.927 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 373275

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4





#79
2-Chlorotoluene
Concen: 44.554 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

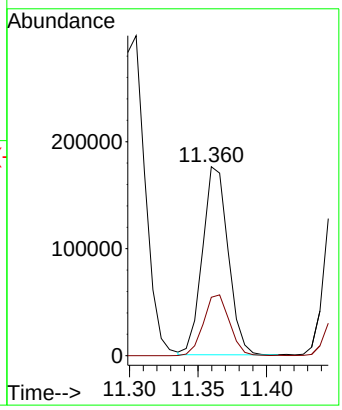
Tgt Ion: 91 Resp: 22897

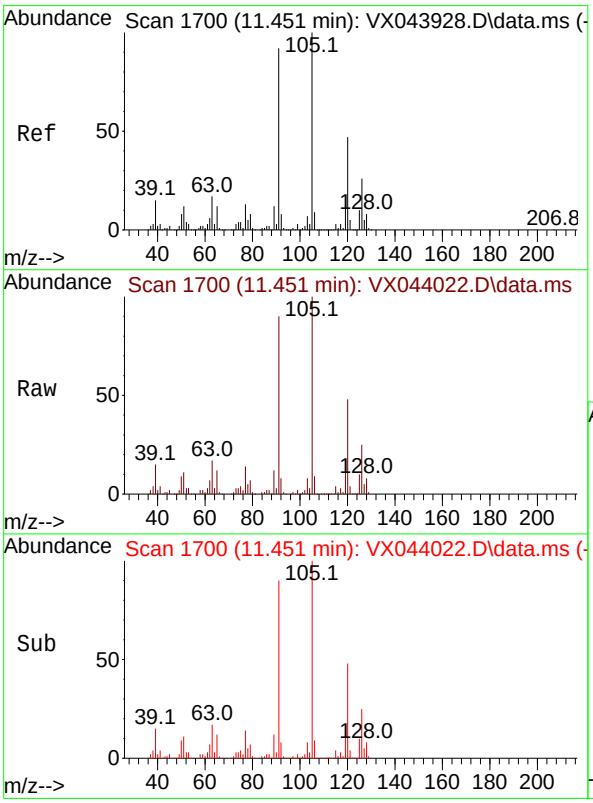
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

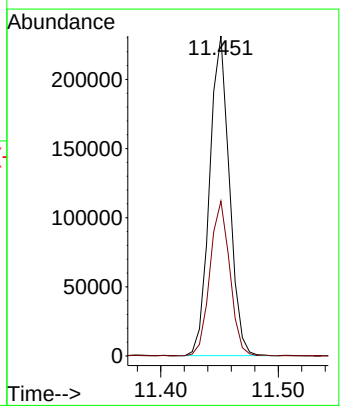


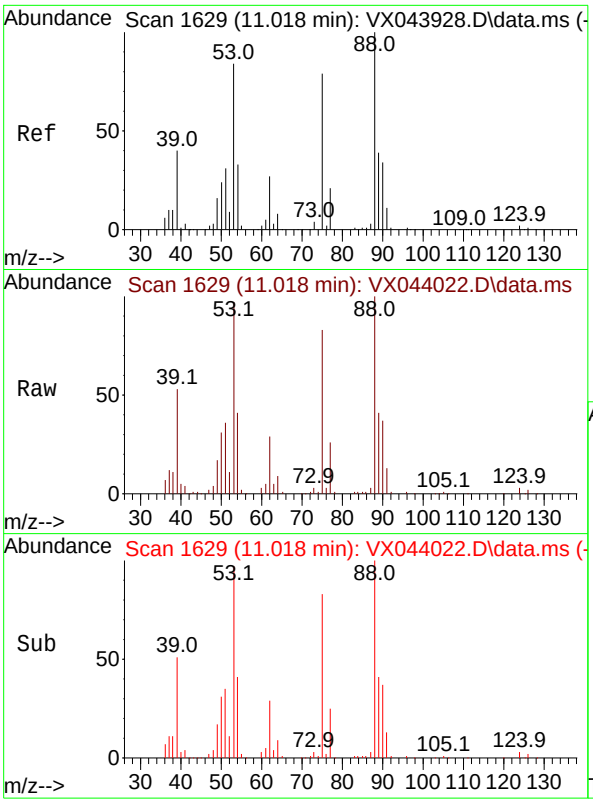


#80
1,3,5-Trimethylbenzene
Concen: 45.154 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 270335

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.3	69.8





#81
trans-1,4-Dichloro-2-butene
Concen: 41.465 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

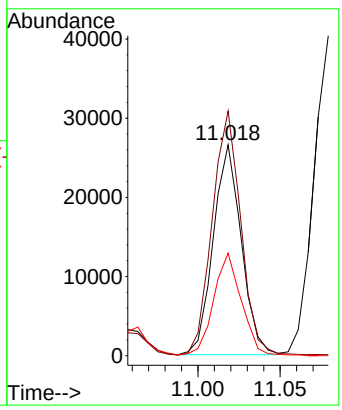
Tgt Ion: 75 Resp: 3154

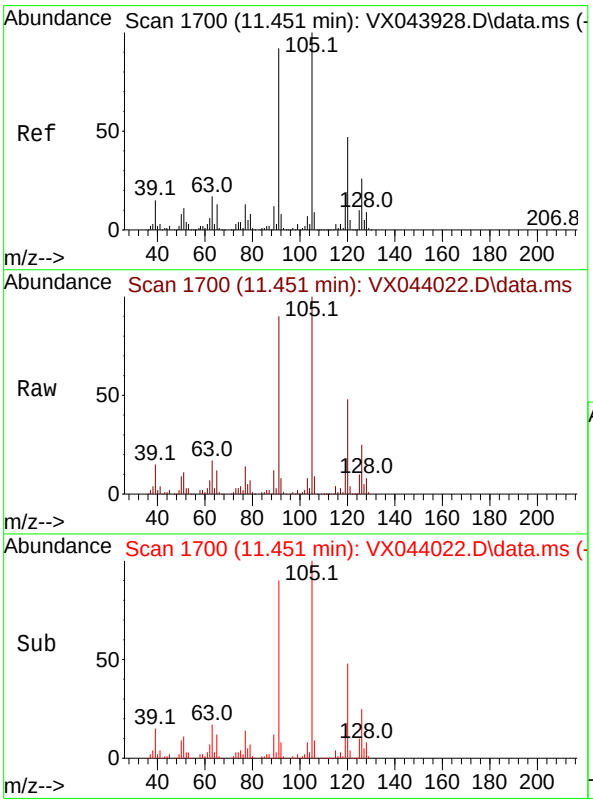
Ion	Ratio	Lower	Upper
75	100		
53	119.3	86.7	130.1
89	48.4	38.2	57.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

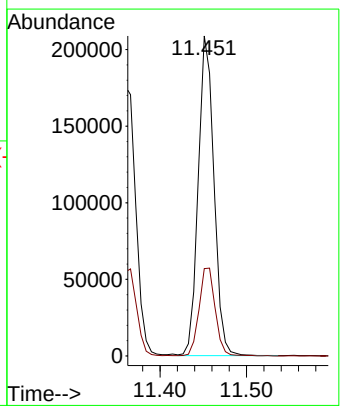


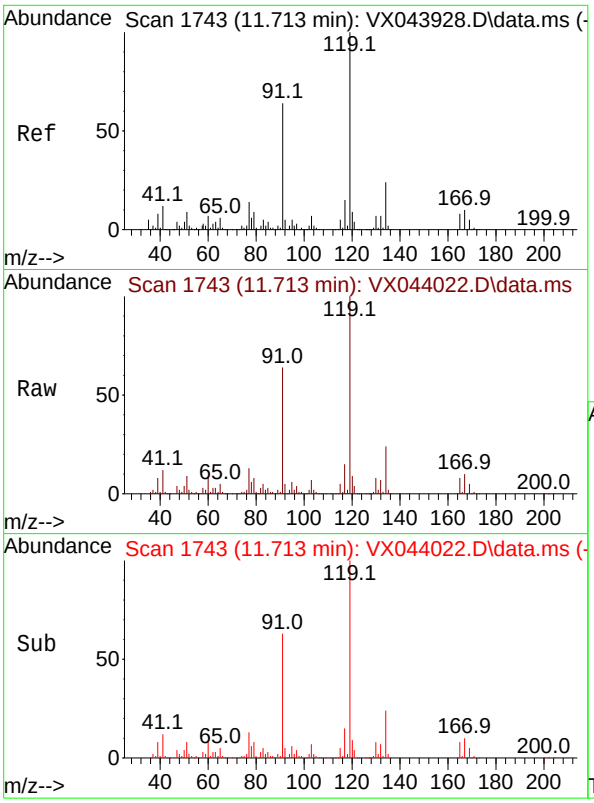


#82
4-Chlorotoluene
Concen: 45.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 263259

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9





#83
tert-Butylbenzene
Concen: 45.748 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

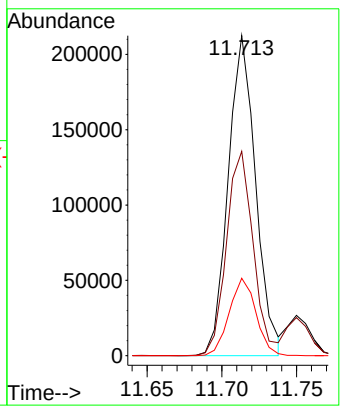
Tgt Ion:119 Resp: 27147

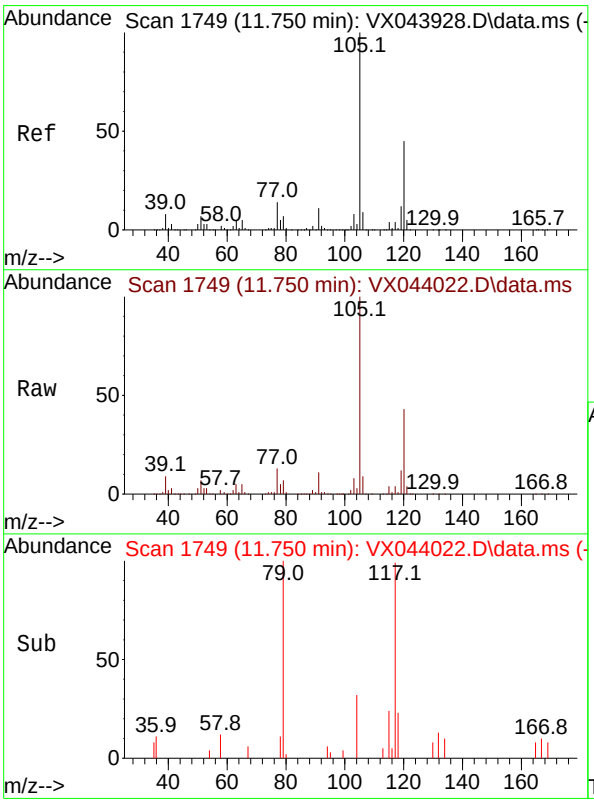
Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.0	93.0
134	23.6	11.6	34.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

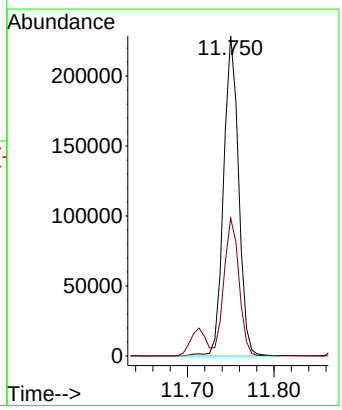


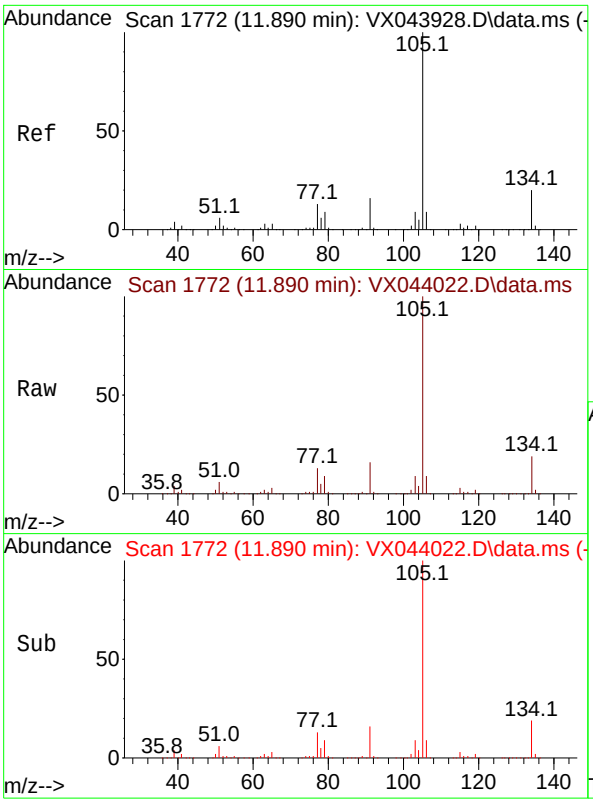


#84
1,2,4-Trimethylbenzene
Concen: 46.231 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 275565

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7

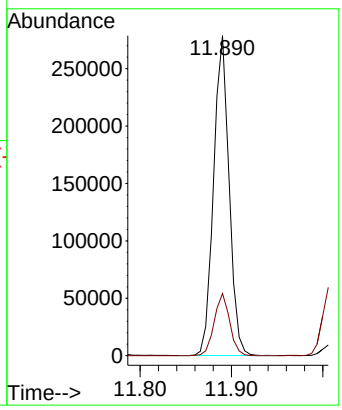




#85
sec-Butylbenzene
Concen: 45.265 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 32910

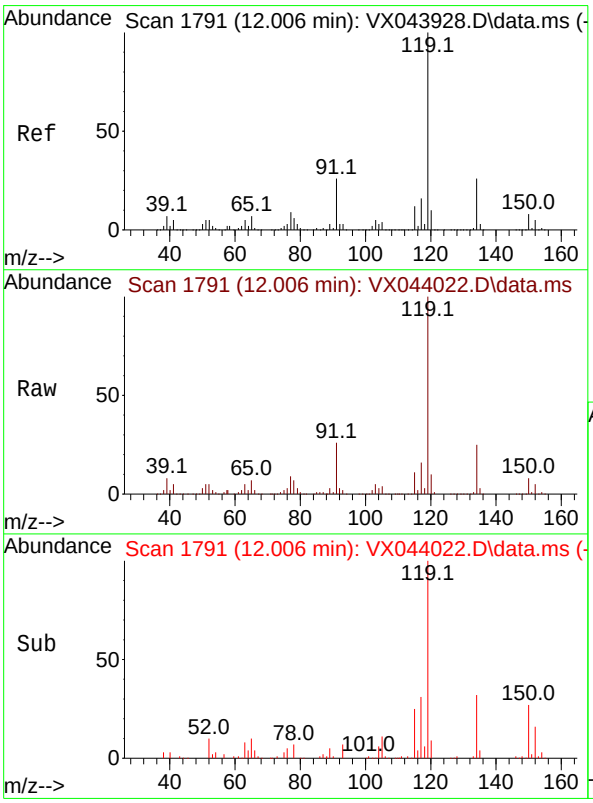
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

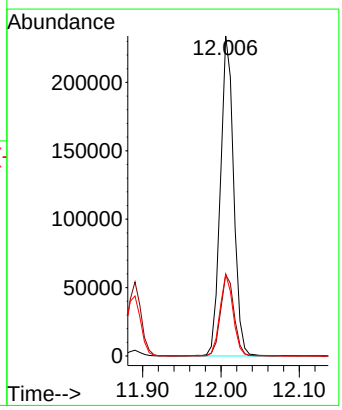
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

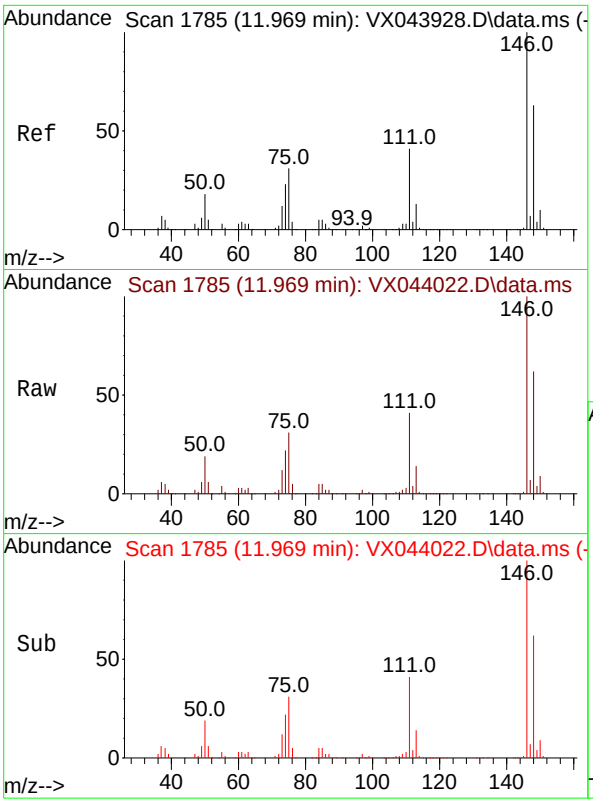


#86
p-Isopropyltoluene
Concen: 46.734 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:119 Resp: 276004

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.3	13.0	38.9





#87
1,3-Dichlorobenzene
Concen: 44.616 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

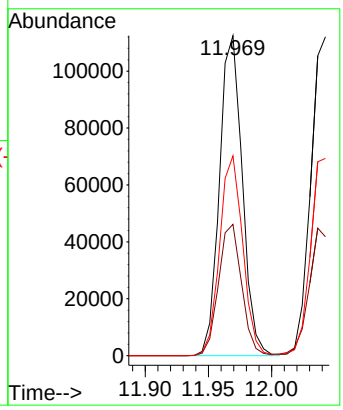
Tgt Ion:146 Resp: 14106

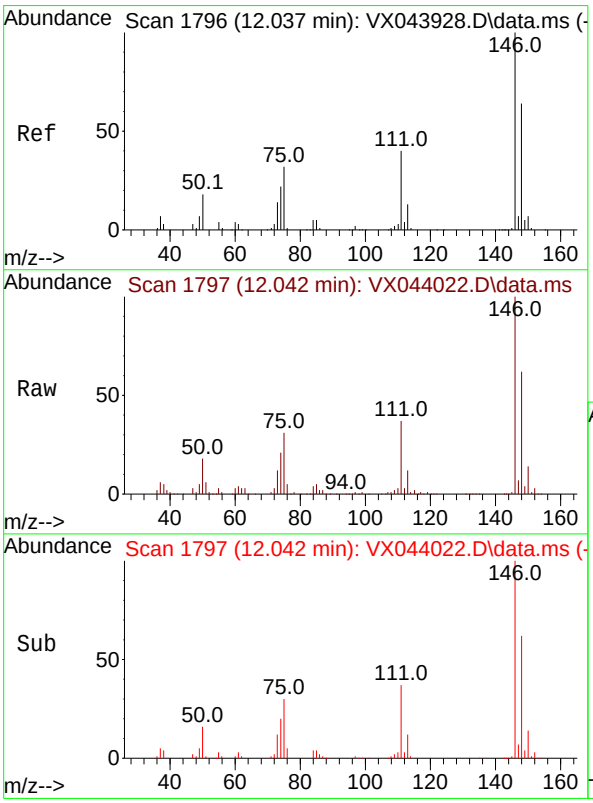
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	63.3	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

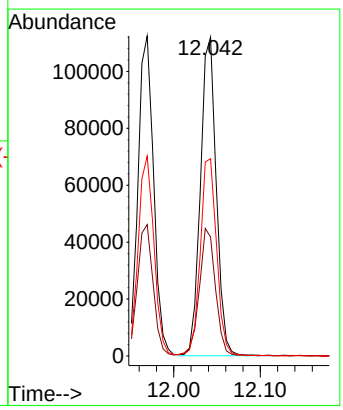


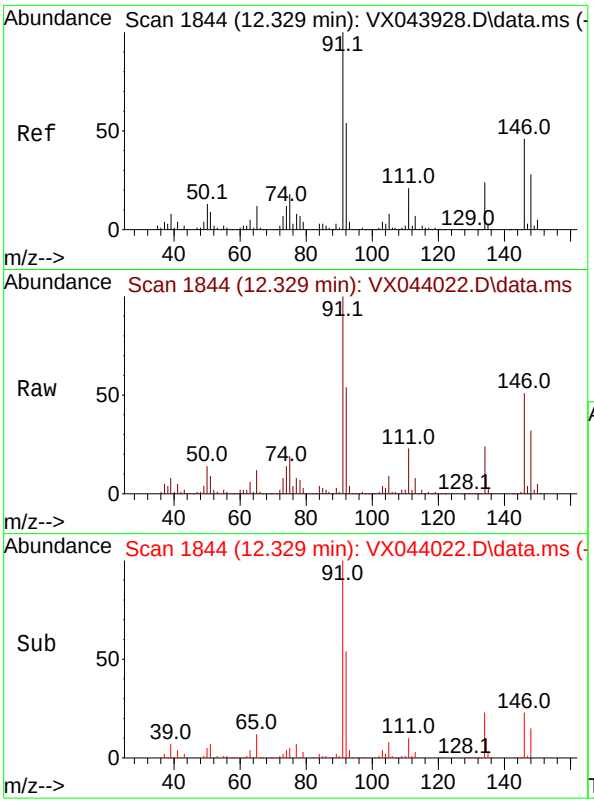


#88
1,4-Dichlorobenzene
Concen: 44.115 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:146 Resp: 142203

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	64.2	30.9	92.8

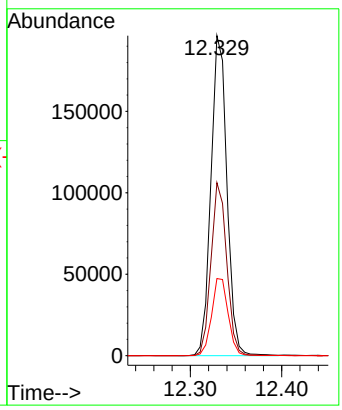




#89
n-Butylbenzene
Concen: 45.814 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 23855

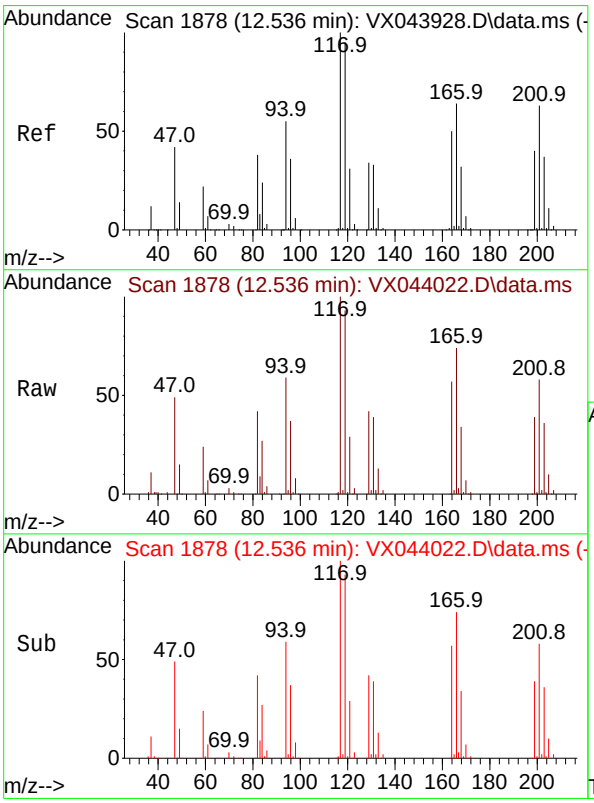
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	25.0	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

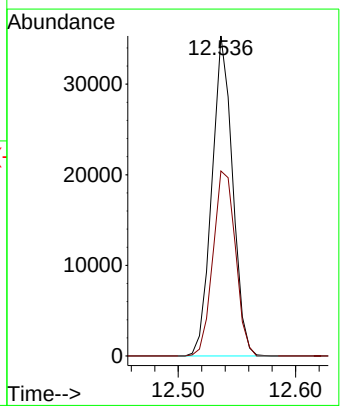
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

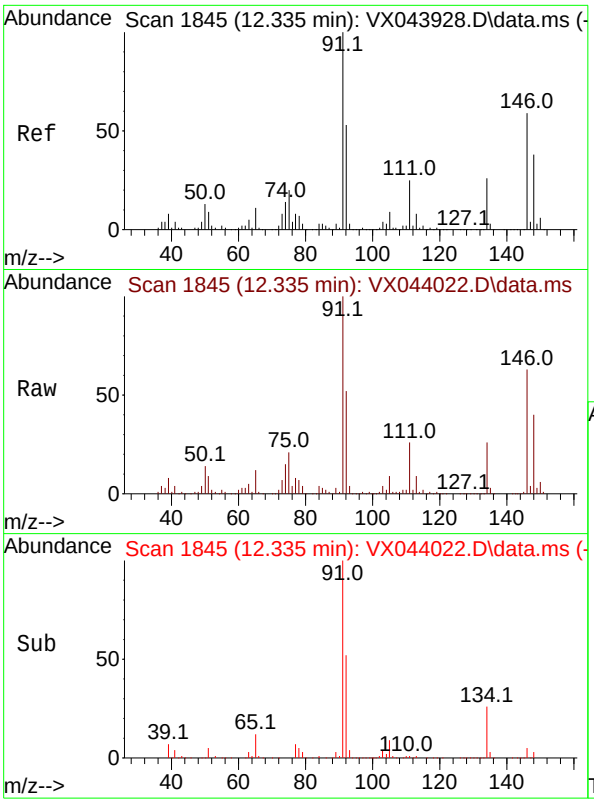


#90
Hexachloroethane
Concen: 43.087 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:117 Resp: 43270

Ion	Ratio	Lower	Upper
117	100		
201	62.7	32.4	97.0

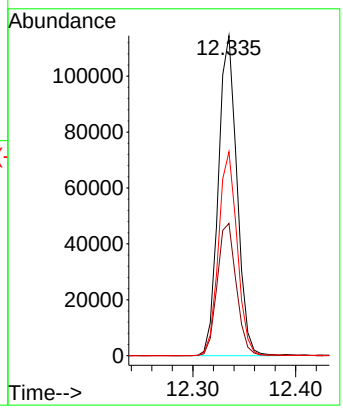




#91
1,2-Dichlorobenzene
Concen: 44.953 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:146 Resp: 14343

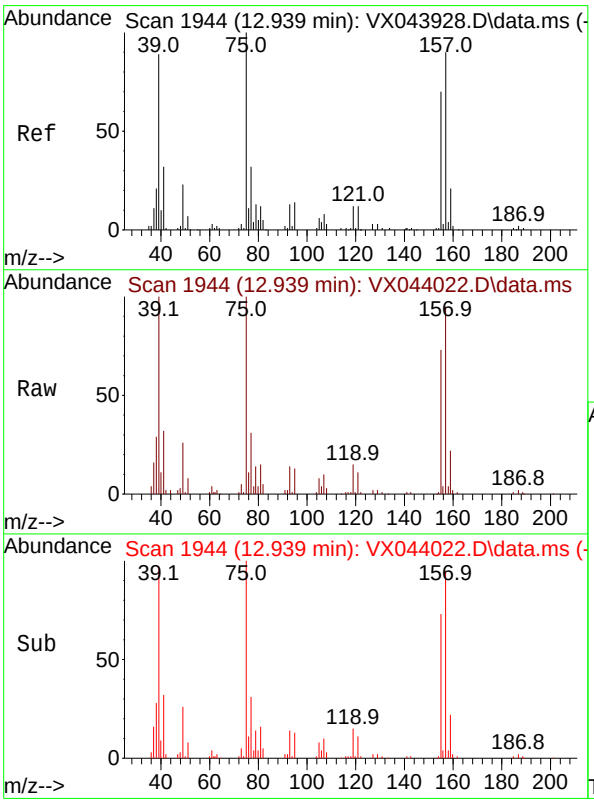
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	64.1	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

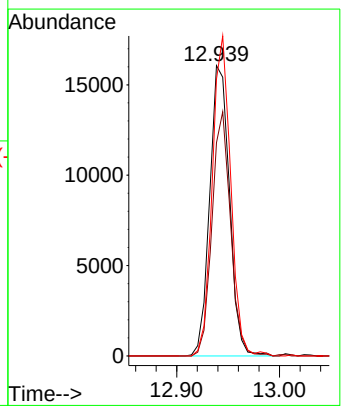
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

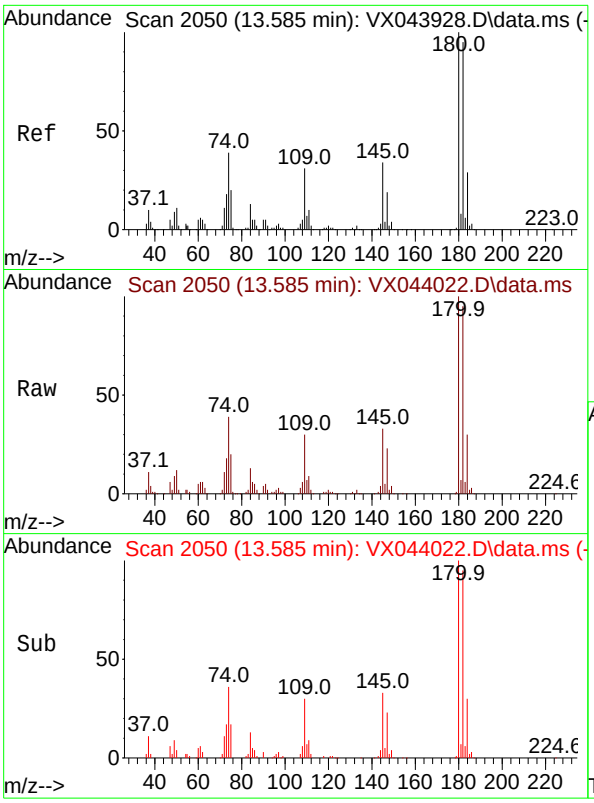


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.974 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 21456

Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.1	120.2
157	102.5	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 43.093 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

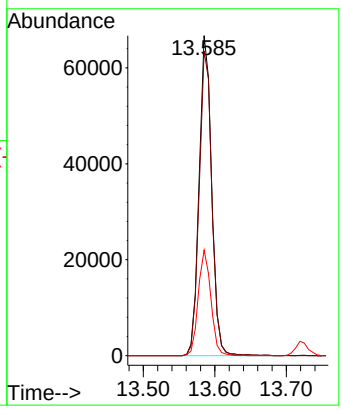
Tgt Ion:180 Resp: 8106

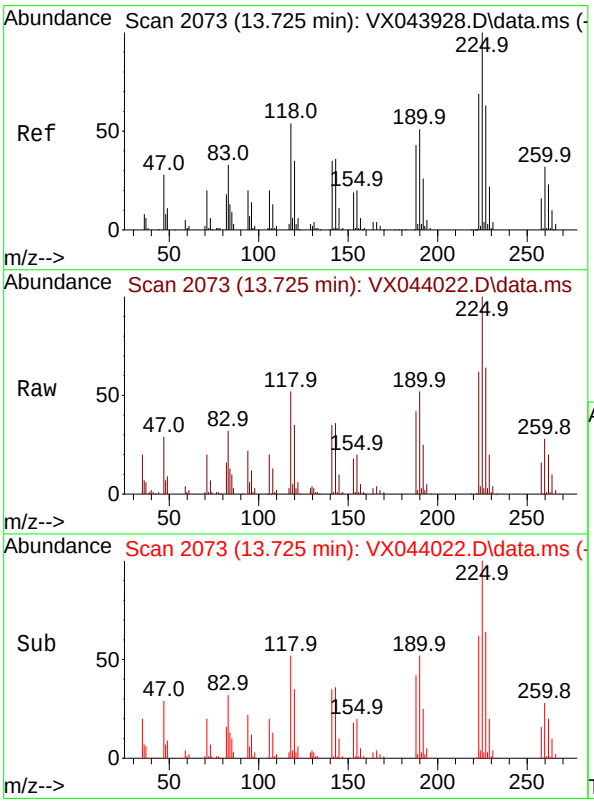
Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	33.2	16.8	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

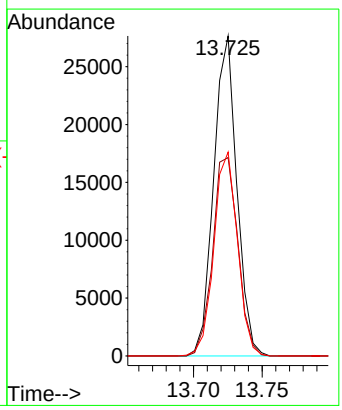


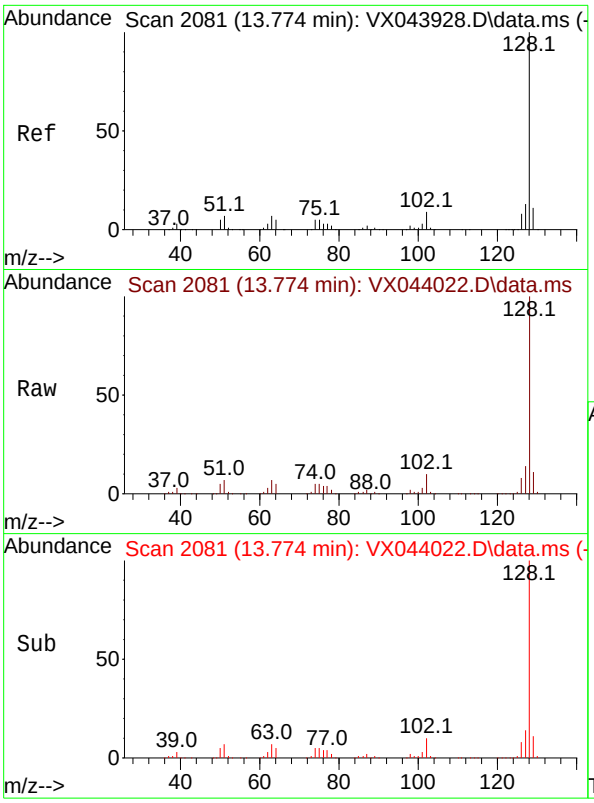


#94
Hexachlorobutadiene
Concen: 43.704 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:225 Resp: 32492

Ion	Ratio	Lower	Upper
225	100		
223	67.5	32.9	98.6
227	64.8	31.6	94.8

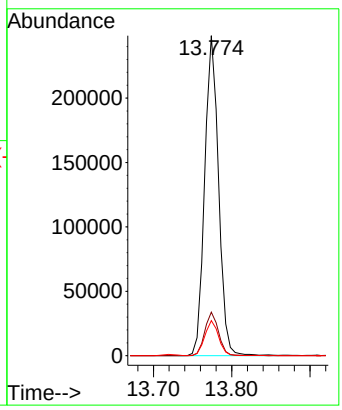




#95
Naphthalene
Concen: 45.077 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:128 Resp: 30524

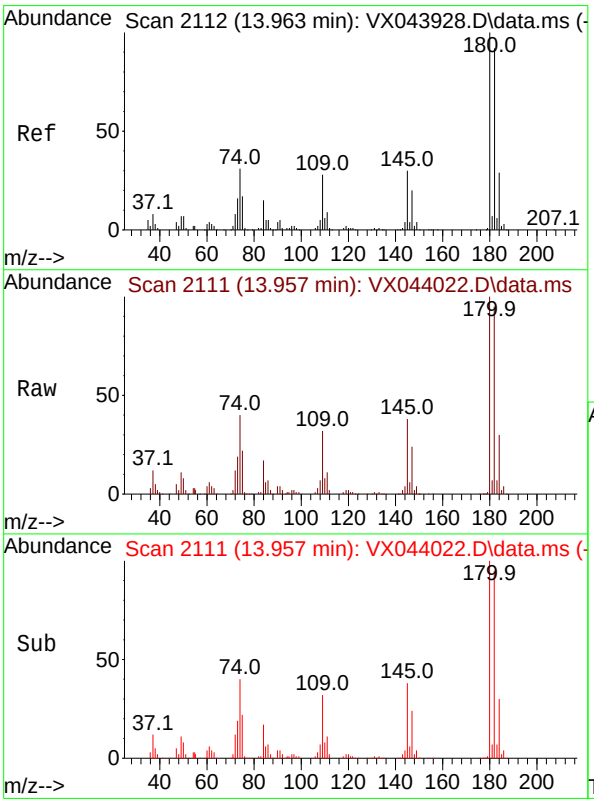
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

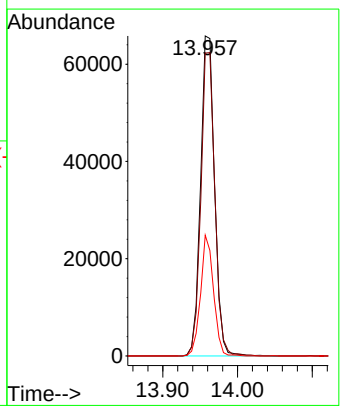
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 44.931 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:180 Resp: 85549

Ion	Ratio	Lower	Upper
180	100		
182	94.9	45.6	136.8
145	35.0	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.01
2	T	Dichlorodifluoromethane	0.633	0.531	16.1	73	0.00
3	P	Chloromethane	0.667	0.587	12.0	79	0.00
4	C	Vinyl Chloride	0.709	0.625	11.8#	77	0.00
5	T	Bromomethane	0.436	0.405	7.1	85	0.00
6	T	Chloroethane	0.432	0.429	0.7	87	0.00
7	T	Trichlorofluoromethane	1.268	1.220	3.8	84	0.00
8	T	Diethyl Ether	0.462	0.426	7.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.605	0.526	13.1	75	0.00
10	T	Methyl Iodide	0.755	0.677	10.3	78	0.00
11	T	Tert butyl alcohol	0.138	0.121	12.3	78	0.00
12	CM	1,1-Dichloroethene	0.576	0.499	13.4#	78	0.00
13	T	Acrolein	0.145	0.166	-14.5	107	0.00
14	T	Allyl chloride	0.941	0.858	8.8	77	0.00
15	T	Acrylonitrile	0.335	0.313	6.6	79	0.00
16	T	Acetone	0.394	0.316	19.8	70	0.00
17	T	Carbon Disulfide	1.188	0.859	27.7#	62	0.00
18	T	Methyl Acetate	0.917	0.850	7.3	81	0.00
19	T	Methyl tert-butyl Ether	2.092	1.931	7.7	80	0.00
20	T	Methylene Chloride	0.668	0.581	13.0	81	0.00
21	T	trans-1,2-Dichloroethene	0.595	0.527	11.4	78	0.00
22	T	Diisopropyl ether	2.013	1.870	7.1	81	0.00
23	T	Vinyl Acetate	1.722	1.613	6.3	78	0.00
24	P	1,1-Dichloroethane	1.161	1.072	7.7	80	0.00
25	T	2-Butanone	0.508	0.469	7.7	77	0.01
26	T	2,2-Dichloropropane	1.049	0.908	13.4	74	0.00
27	T	cis-1,2-Dichloroethene	0.735	0.659	10.3	78	0.00
28	T	Bromochloromethane	0.511	0.426	16.6	89	0.00
29	T	Tetrahydrofuran	0.312	0.287	8.0	79	0.00
30	C	Chloroform	1.249	1.156	7.4#	82	0.00
31	T	Cyclohexane	0.956	0.792	17.2	71	0.00
32	T	1,1,1-Trichloroethane	1.077	0.986	8.4	78	0.00
33	S	1,2-Dichloroethane-d4	0.858	0.784	8.6	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.357	0.329	7.8	97	0.00
36	T	1,1-Dichloropropene	0.445	0.400	10.1	78	0.01
37	T	Ethyl Acetate	0.553	0.510	7.8	81	0.00
38	T	Carbon Tetrachloride	0.500	0.442	11.6	76	0.00
39	T	Methylcyclohexane	0.578	0.472	18.3	69	0.00
40	TM	Benzene	1.387	1.245	10.2	80	0.00
41	T	Methacrylonitrile	0.283	0.272	3.9	80	0.01
42	TM	1,2-Dichloroethane	0.557	0.514	7.7	82	0.01
43	T	Isopropyl Acetate	0.880	0.808	8.2	80	0.00
44	TM	Trichloroethene	0.393	0.304	22.6	79	0.00
45	C	1,2-Dichloropropane	0.340	0.315	7.4#	82	0.00
46	T	Dibromomethane	0.269	0.248	7.8	82	0.00
47	T	Bromodichloromethane	0.482	0.449	6.8	80	0.00
48	T	Methyl methacrylate	0.422	0.388	8.1	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	89	0.00
50	S	Toluene-d8	1.232	1.084	12.0	95	0.00
51	T	4-Methyl-2-Pentanone	0.537	0.521	3.0	83	0.00
52	CM	Toluene	0.830	0.763	8.1#	80	0.00
53	T	t-1,3-Dichloropropene	0.491	0.452	7.9	77	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.492	8.7	78	0.00
55	T	1,1,2-Trichloroethane	0.343	0.319	7.0	83	0.00
56	T	Ethyl methacrylate	0.534	0.502	6.0	79	0.00
57	T	1,3-Dichloropropane	0.577	0.540	6.4	83	0.00
58	T	2-Chloroethyl Vinyl ether	0.273	0.240	12.1	75	0.00
59	T	2-Hexanone	0.403	0.386	4.2	79	0.00
60	T	Dibromochloromethane	0.344	0.321	6.7	78	0.00
61	T	1,2-Dibromoethane	0.346	0.326	5.8	82	0.00
62	S	4-Bromofluorobenzene	0.419	0.387	7.6	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.330	0.292	11.5	79	0.00
65	PM	Chlorobenzene	1.098	0.968	11.8	80	0.00
66	T	1,1,1,2-Tetrachloroethane	0.356	0.335	5.9	80	0.00
67	C	Ethyl Benzene	1.861	1.701	8.6#	80	0.00
68	T	m/p-Xylenes	0.694	0.636	8.4	79	0.00
69	T	o-Xylene	0.678	0.627	7.5	79	0.00
70	T	Styrene	1.121	1.060	5.4	80	0.00
71	P	Bromoform	0.240	0.221	7.9	74	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73	T	Isopropylbenzene	3.843	3.481	9.4	80	0.00
74	T	N-amyl acetate	1.780	1.660	6.7	79	0.00
75	P	1,1,2,2-Tetrachloroethane	1.316	1.216	7.6	82	0.00
76	T	1,2,3-Trichloropropane	1.096	1.008	8.0	81	0.00
77	T	Bromobenzene	0.917	0.830	9.5	80	0.00
78	T	n-propylbenzene	4.293	3.943	8.2	79	0.00
79	T	2-Chlorotoluene	2.714	2.419	10.9	80	0.00
80	T	1,3,5-Trimethylbenzene	3.162	2.856	9.7	78	0.00
81	T	trans-1,4-Dichloro-2-butene	0.402	0.333	17.2	71	0.00
82	T	4-Chlorotoluene	3.064	2.781	9.2	79	0.00
83	T	tert-Butylbenzene	3.134	2.868	8.5	79	0.00
84	T	1,2,4-Trimethylbenzene	3.148	2.911	7.5	80	0.00
85	T	sec-Butylbenzene	3.840	3.476	9.5	77	0.00
86	T	p-Isopropyltoluene	3.119	2.915	6.5	78	0.00
87	T	1,3-Dichlorobenzene	1.670	1.490	10.8	80	0.00
88	T	1,4-Dichlorobenzene	1.702	1.502	11.8	80	0.00
89	T	n-Butylbenzene	2.750	2.520	8.4	75	0.00
90	T	Hexachloroethane	0.530	0.457	13.8	73	0.00
91	T	1,2-Dichlorobenzene	1.685	1.515	10.1	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.264	0.227	14.0	75	0.00
93	T	1,2,4-Trichlorobenzene	0.994	0.856	13.9	75	0.00
94	T	Hexachlorobutadiene	0.393	0.343	12.7	79	0.00
95	T	Naphthalene	3.576	3.224	9.8	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.904	10.1	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.01
2	T	Dichlorodifluoromethane	50.000	41.882	16.2	73	0.00
3	P	Chloromethane	50.000	44.054	11.9	79	0.00
4	C	Vinyl Chloride	50.000	44.064	11.9#	77	0.00
5	T	Bromomethane	50.000	46.486	7.0	85	0.00
6	T	Chloroethane	50.000	49.670	0.7	87	0.00
7	T	Trichlorofluoromethane	50.000	48.109	3.8	84	0.00
8	T	Diethyl Ether	50.000	46.152	7.7	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.492	13.0	75	0.00
10	T	Methyl Iodide	50.000	44.825	10.3	78	0.00
11	T	Tert butyl alcohol	250.000	219.930	12.0	78	0.00
12	CM	1,1-Dichloroethene	50.000	43.287	13.4#	78	0.00
13	T	Acrolein	250.000	285.786	-14.3	107	0.00
14	T	Allyl chloride	50.000	45.581	8.8	77	0.00
15	T	Acrylonitrile	250.000	233.535	6.6	79	0.00
16	T	Acetone	250.000	200.637	19.7	70	0.00
17	T	Carbon Disulfide	50.000	36.160	27.7#	62	0.00
18	T	Methyl Acetate	50.000	46.313	7.4	81	0.00
19	T	Methyl tert-butyl Ether	50.000	46.146	7.7	80	0.00
20	T	Methylene Chloride	50.000	43.471	13.1	81	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.286	11.4	78	0.00
22	T	Diisopropyl ether	50.000	46.457	7.1	81	0.00
23	T	Vinyl Acetate	250.000	234.240	6.3	78	0.00
24	P	1,1-Dichloroethane	50.000	46.159	7.7	80	0.00
25	T	2-Butanone	250.000	230.549	7.8	77	0.01
26	T	2,2-Dichloropropane	50.000	43.277	13.4	74	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.837	10.3	78	0.00
28	T	Bromochloromethane	50.000	41.693	16.6	89	0.00
29	T	Tetrahydrofuran	250.000	230.219	7.9	79	0.00
30	C	Chloroform	50.000	46.281	7.4#	82	0.00
31	T	Cyclohexane	50.000	41.440	17.1	71	0.00
32	T	1,1,1-Trichloroethane	50.000	45.750	8.5	78	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.721	8.6	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	46.085	7.8	97	0.00
36	T	1,1-Dichloropropene	50.000	44.899	10.2	78	0.01
37	T	Ethyl Acetate	50.000	46.163	7.7	81	0.00
38	T	Carbon Tetrachloride	50.000	44.128	11.7	76	0.00
39	T	Methylcyclohexane	50.000	40.771	18.5	69	0.00
40	TM	Benzene	50.000	44.870	10.3	80	0.00
41	T	Methacrylonitrile	50.000	48.072	3.9	80	0.01
42	TM	1,2-Dichloroethane	50.000	46.148	7.7	82	0.01
43	T	Isopropyl Acetate	50.000	45.956	8.1	80	0.00
44	TM	Trichloroethene	50.000	38.741	22.5	79	0.00
45	C	1,2-Dichloropropane	50.000	46.363	7.3#	82	0.00
46	T	Dibromomethane	50.000	46.080	7.8	82	0.00
47	T	Bromodichloromethane	50.000	46.539	6.9	80	0.00
48	T	Methyl methacrylate	50.000	46.007	8.0	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	998.146	0.2	89	0.00
50	S	Toluene-d8	50.000	44.028	11.9	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	242.496	3.0	83	0.00
52	CM	Toluene	50.000	45.970	8.1#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	45.983	8.0	77	0.00
54	T	cis-1,3-Dichloropropene	50.000	45.674	8.7	78	0.00
55	T	1,1,2-Trichloroethane	50.000	46.503	7.0	83	0.00
56	T	Ethyl methacrylate	50.000	46.987	6.0	79	0.00
57	T	1,3-Dichloropropane	50.000	46.788	6.4	83	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	204.586	18.2	75	0.00
59	T	2-Hexanone	250.000	238.945	4.4	79	0.00
60	T	Dibromochloromethane	50.000	46.621	6.8	78	0.00
61	T	1,2-Dibromoethane	50.000	47.112	5.8	82	0.00
62	S	4-Bromofluorobenzene	50.000	46.200	7.6	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	44.283	11.4	79	0.00
65	PM	Chlorobenzene	50.000	44.078	11.8	80	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.975	6.0	80	0.00
67	C	Ethyl Benzene	50.000	45.714	8.6#	80	0.00
68	T	m/p-Xylenes	100.000	91.591	8.4	79	0.00
69	T	o-Xylene	50.000	46.288	7.4	79	0.00
70	T	Styrene	50.000	47.303	5.4	80	0.00
71	P	Bromoform	50.000	41.511	17.0	74	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73	T	Isopropylbenzene	50.000	45.287	9.4	80	0.00
74	T	N-amyl acetate	50.000	46.621	6.8	79	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.217	7.6	82	0.00
76	T	1,2,3-Trichloropropane	50.000	45.977	8.0	81	0.00
77	T	Bromobenzene	50.000	45.286	9.4	80	0.00
78	T	n-propylbenzene	50.000	45.927	8.1	79	0.00
79	T	2-Chlorotoluene	50.000	44.554	10.9	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	45.154	9.7	78	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	41.465	17.1	71	0.00
82	T	4-Chlorotoluene	50.000	45.372	9.3	79	0.00
83	T	tert-Butylbenzene	50.000	45.748	8.5	79	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.231	7.5	80	0.00
85	T	sec-Butylbenzene	50.000	45.265	9.5	77	0.00
86	T	p-Isopropyltoluene	50.000	46.734	6.5	78	0.00
87	T	1,3-Dichlorobenzene	50.000	44.616	10.8	80	0.00
88	T	1,4-Dichlorobenzene	50.000	44.115	11.8	80	0.00
89	T	n-Butylbenzene	50.000	45.814	8.4	75	0.00
90	T	Hexachloroethane	50.000	43.087	13.8	73	0.00
91	T	1,2-Dichlorobenzene	50.000	44.953	10.1	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.974	14.1	75	0.00
93	T	1,2,4-Trichlorobenzene	50.000	43.093	13.8	75	0.00
94	T	Hexachlorobutadiene	50.000	43.704	12.6	79	0.00
95	T	Naphthalene	50.000	45.077	9.8	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.931	10.1	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

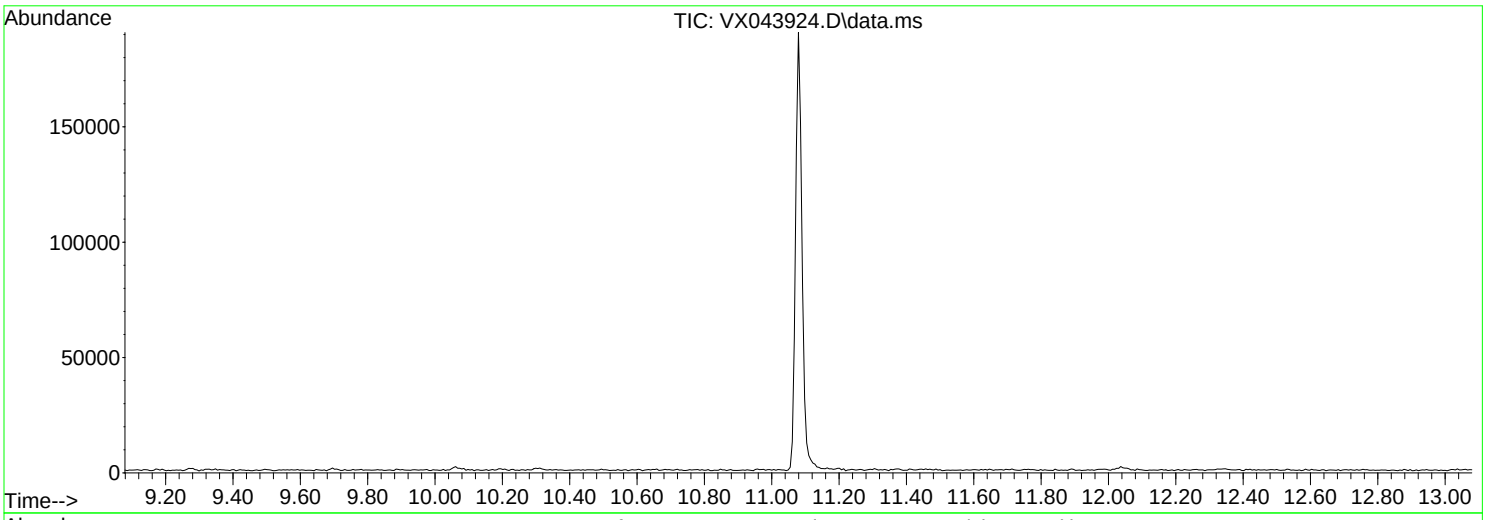
QC SAMPLE DATA

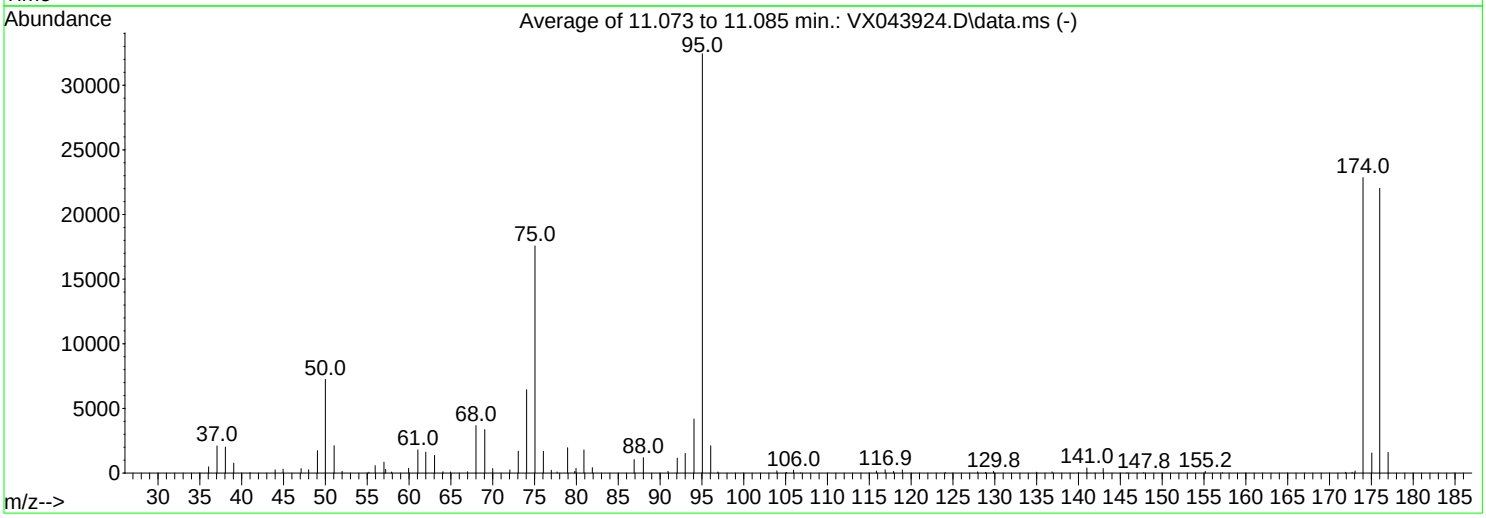
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Title : SW846 8260
Last Update : Fri Nov 22 00:18:05 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

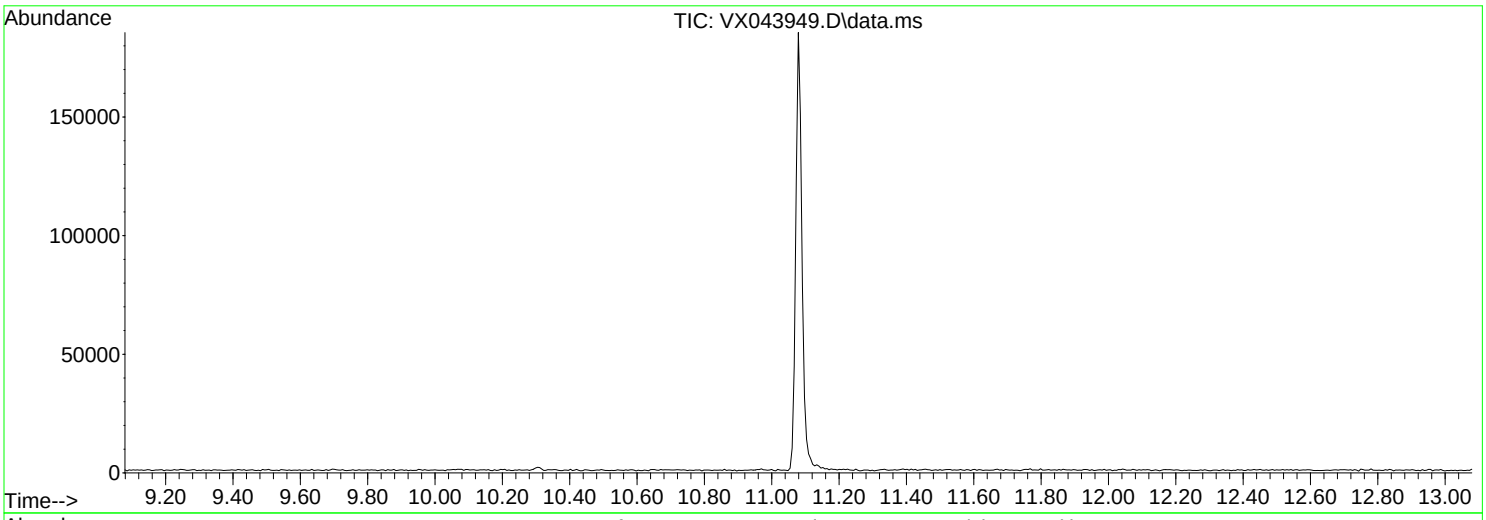
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	7254	PASS
75	95	30	60	54.2	17573	PASS
95	95	100	100	100.0	32437	PASS
96	95	5	9	6.5	2112	PASS
173	174	0.00	2	0.7	162	PASS
174	95	50	100	70.5	22853	PASS
175	174	5	9	6.8	1557	PASS
176	174	95	101	96.4	22030	PASS
177	176	5	9	7.3	1600	PASS

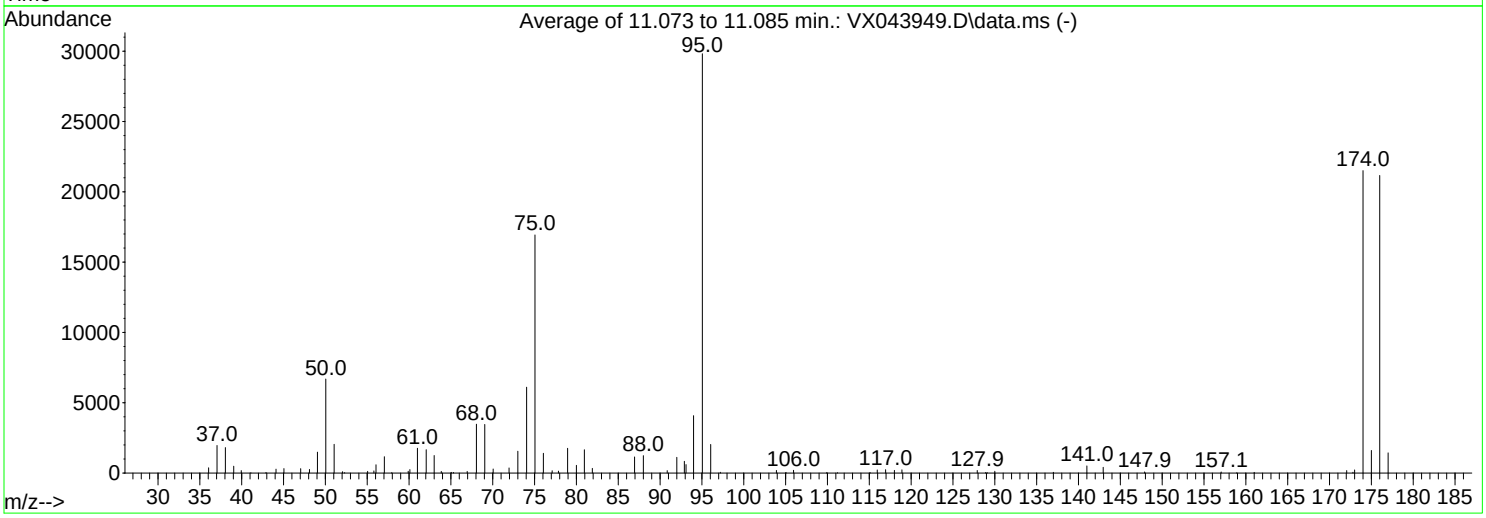
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043949.D
Acq On : 22 Nov 2024 10:54
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

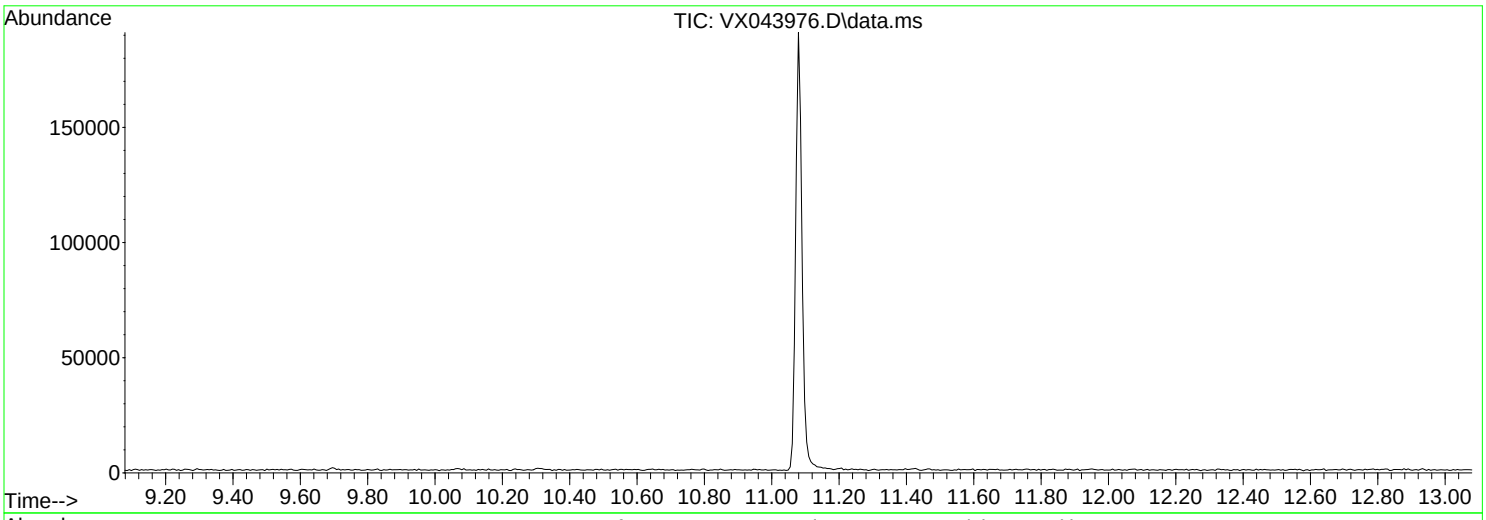
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	6686	PASS
75	95	30	60	56.8	16932	PASS
95	95	100	100	100.0	29819	PASS
96	95	5	9	6.8	2035	PASS
173	174	0.00	2	1.0	222	PASS
174	95	50	100	72.1	21506	PASS
175	174	5	9	7.5	1609	PASS
176	174	95	101	98.4	21161	PASS
177	176	5	9	6.8	1436	PASS

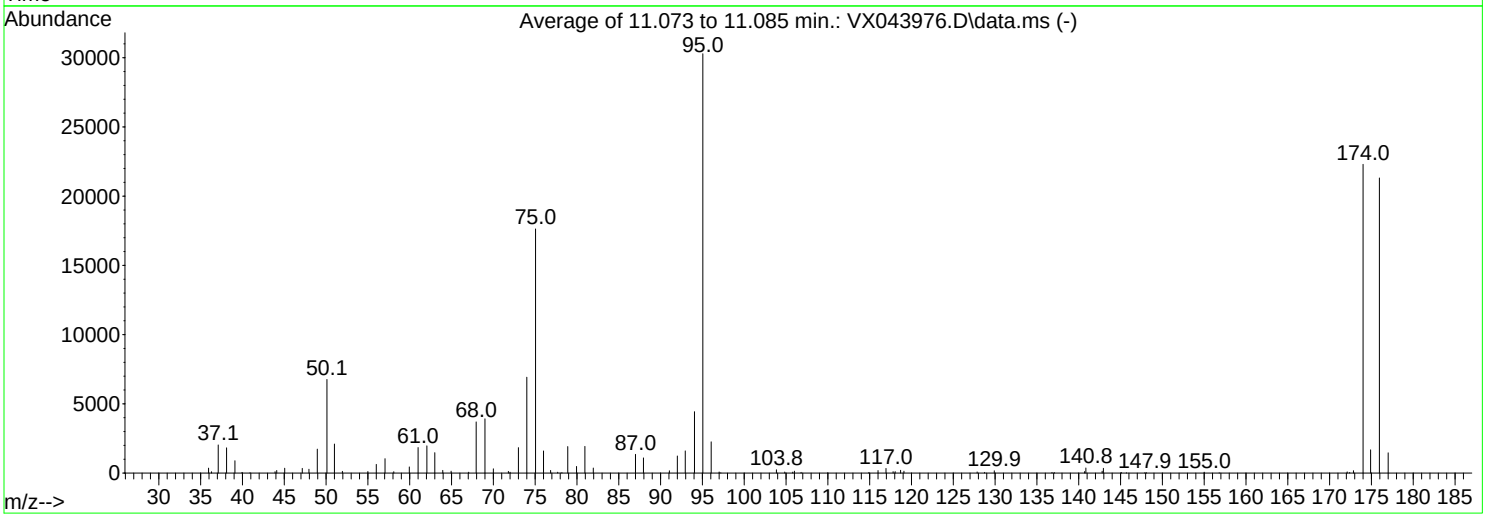
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043976.D
Acq On : 25 Nov 2024 10:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

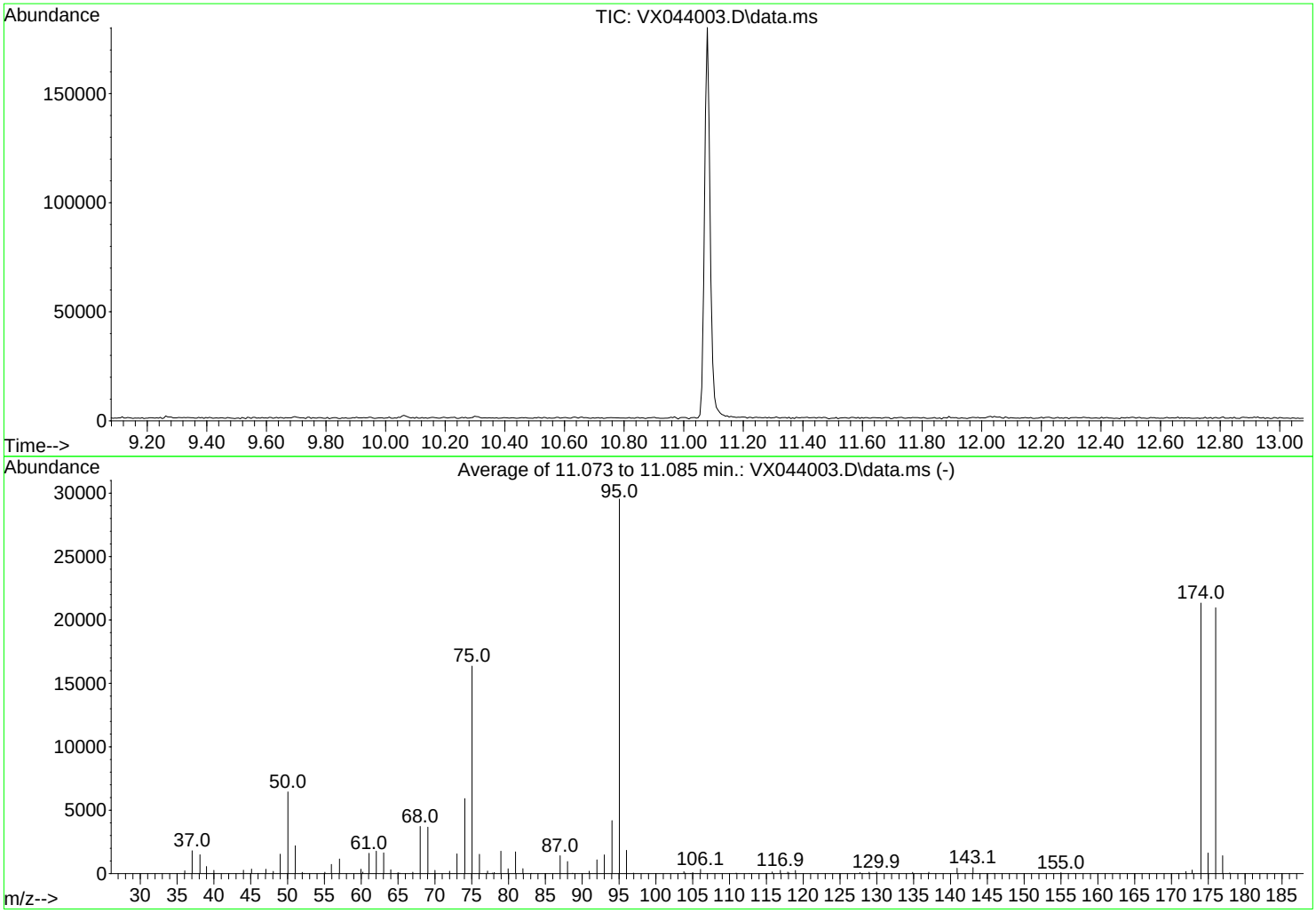
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	6761	PASS
75	95	30	60	58.2	17633	PASS
95	95	100	100	100.0	30288	PASS
96	95	5	9	7.5	2258	PASS
173	174	0.00	2	0.8	174	PASS
174	95	50	100	73.6	22298	PASS
175	174	5	9	7.5	1678	PASS
176	174	95	101	95.6	21315	PASS
177	176	5	9	6.9	1462	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044003.D
Acq On : 26 Nov 2024 08:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	6446	PASS
75	95	30	60	55.4	16364	PASS
95	95	100	100	100.0	29541	PASS
96	95	5	9	6.2	1841	PASS
173	174	0.00	2	1.3	278	PASS
174	95	50	100	72.2	21339	PASS
175	174	5	9	7.6	1625	PASS
176	174	95	101	98.3	20968	PASS
177	176	5	9	6.8	1416	PASS

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBL01	SDG No.:	P4873
Lab Sample ID:	VX1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBL01	SDG No.:	P4873
Lab Sample ID:	VX1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.544				
540-36-3	1,4-Difluorobenzene	224000	6.757				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79800	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBL01	SDG No.:	P4873
Lab Sample ID:	VX1122WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown1.575	5.10	J			1.57	ug/L

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\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

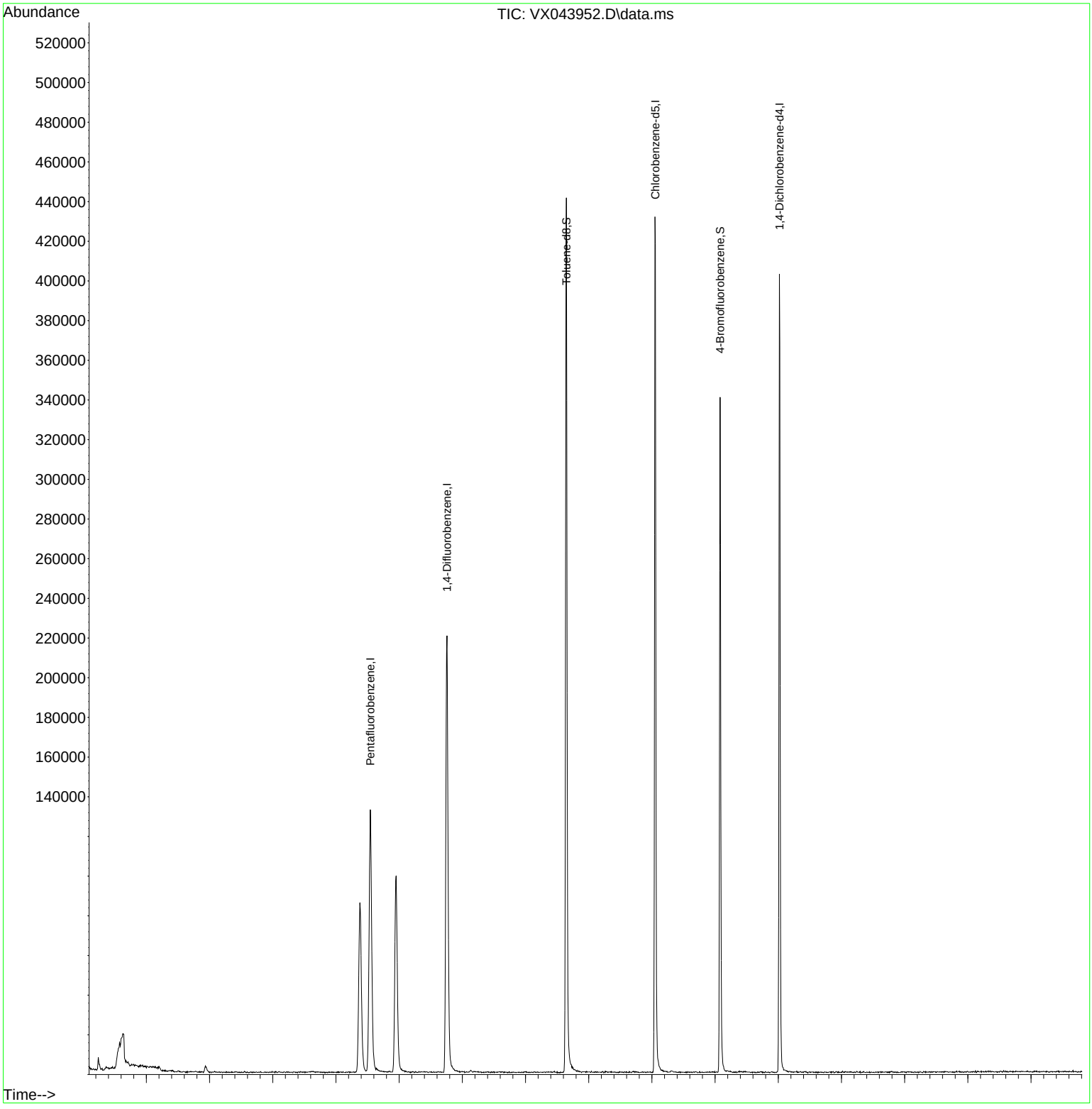
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	114313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99473	50.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.460%			
35) Dibromofluoromethane	5.379	113	74511	46.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.240%			
50) Toluene-d8	8.647	98	268134	48.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	11.079	95	89774	47.877	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.760%			
Target Compounds						Qvalue

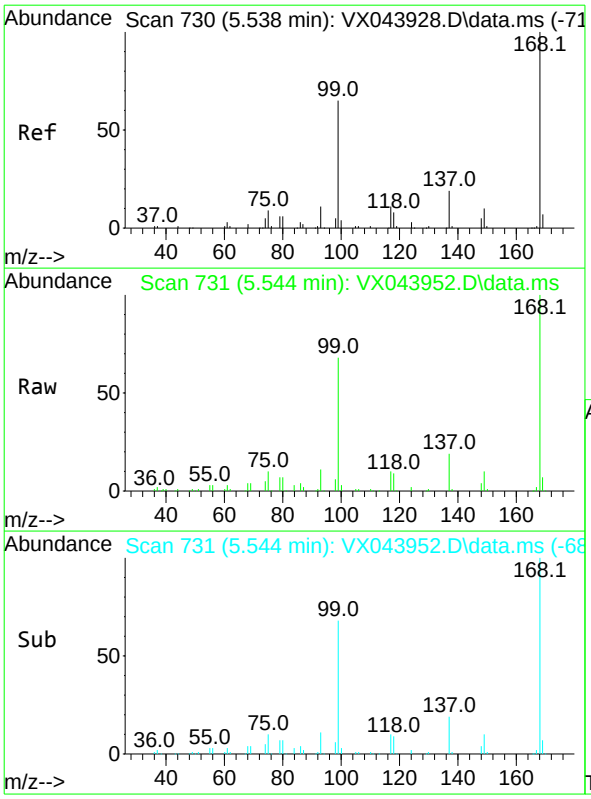
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



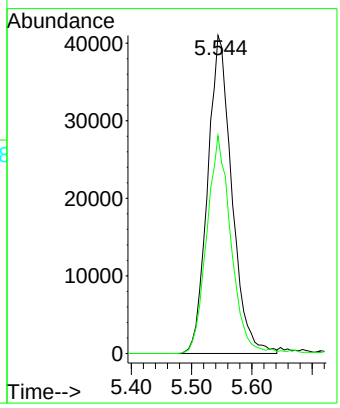


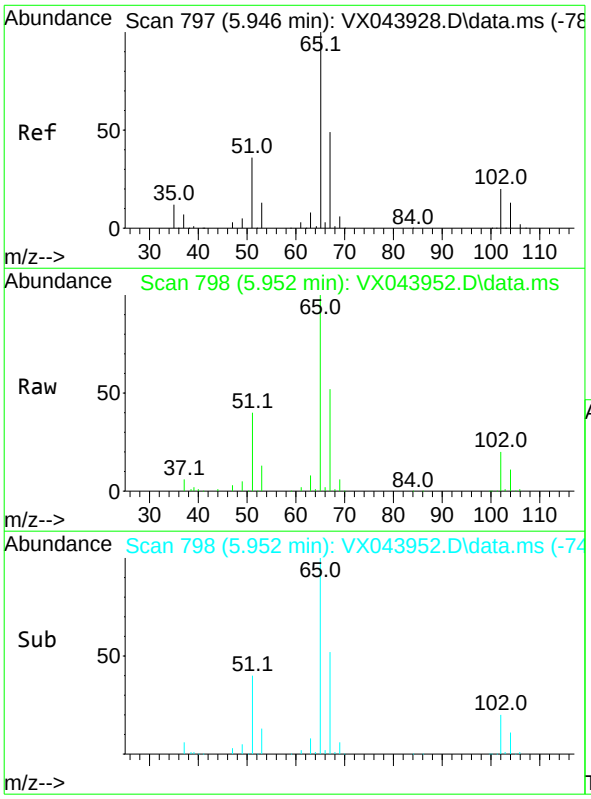
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:168 Resp: 114313

Ion	Ratio	Lower	Upper
168	100		
99	68.5	51.8	77.8

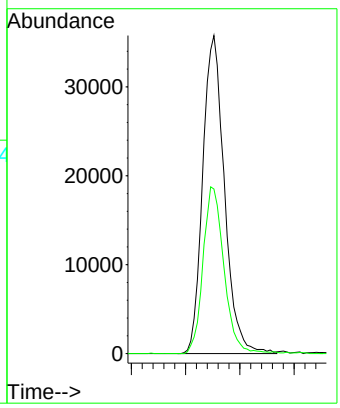


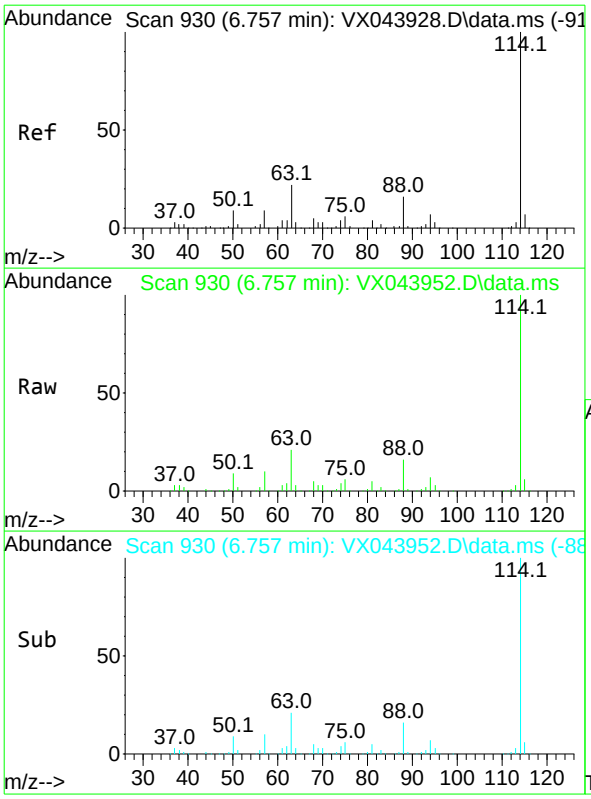


#33
1,2-Dichloroethane-d4
Concen: 50.734 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion: 65 Resp: 99473

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8



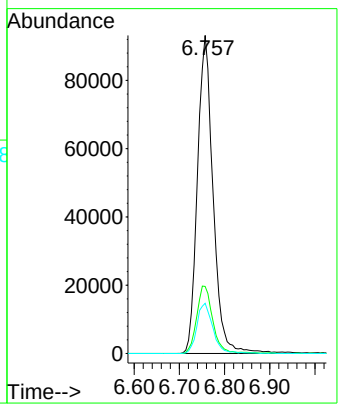


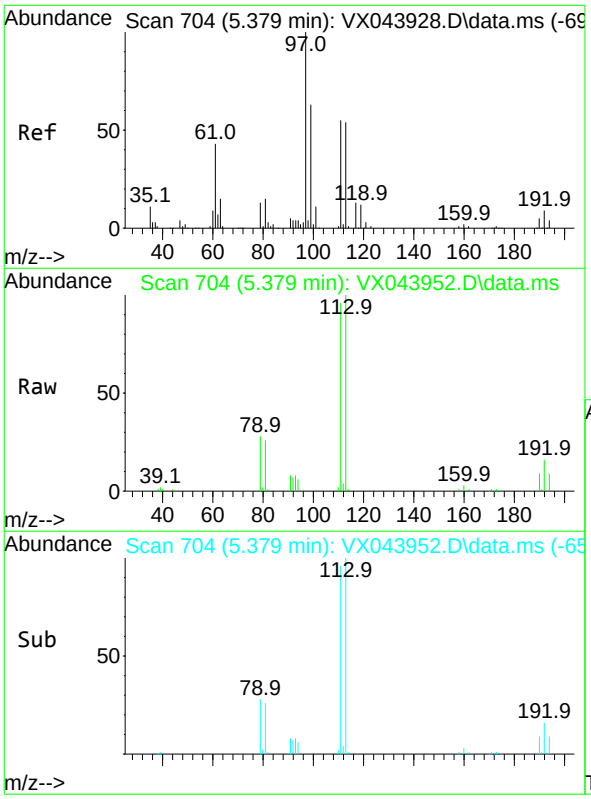
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:114 Resp: 223688

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	15.8	0.0	32.4

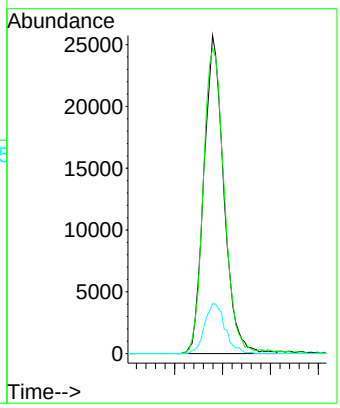


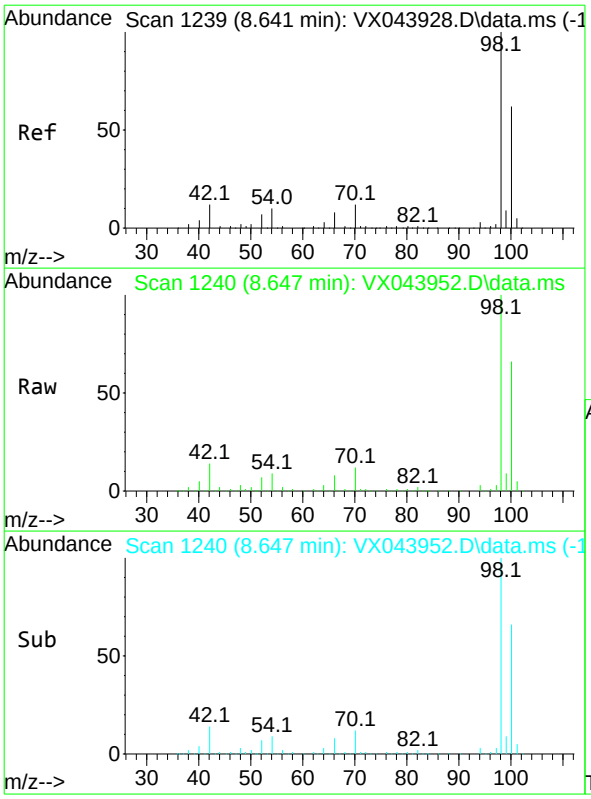


#35
Dibromofluoromethane
Concen: 46.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion:113 Resp: 74511

Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.0	121.4
192	16.2	13.0	19.6



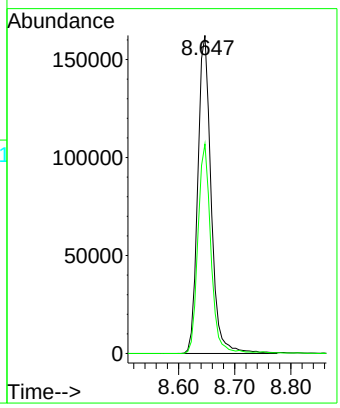


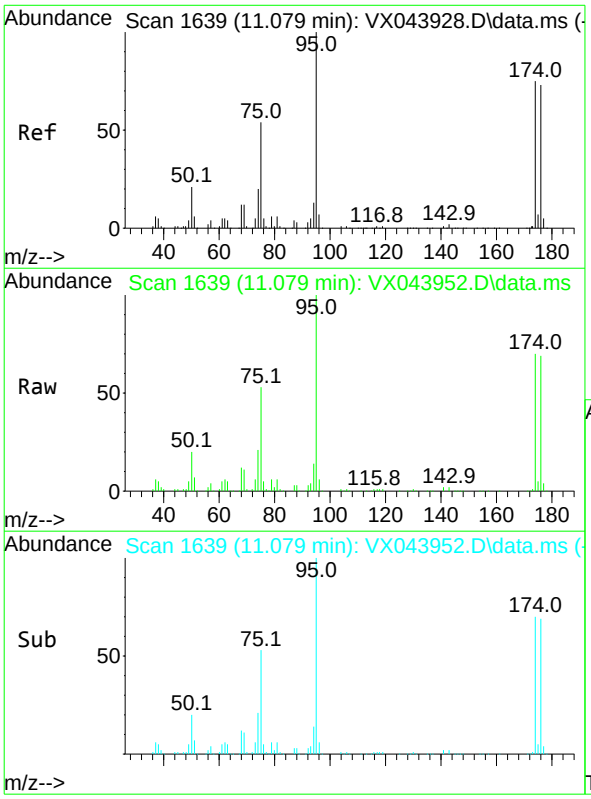
#50
Toluene-d8
Concen: 48.666 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion: 98 Resp: 268134

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.6	79.0

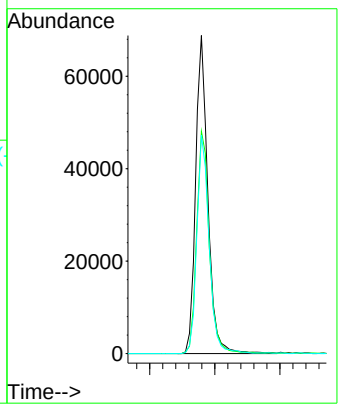


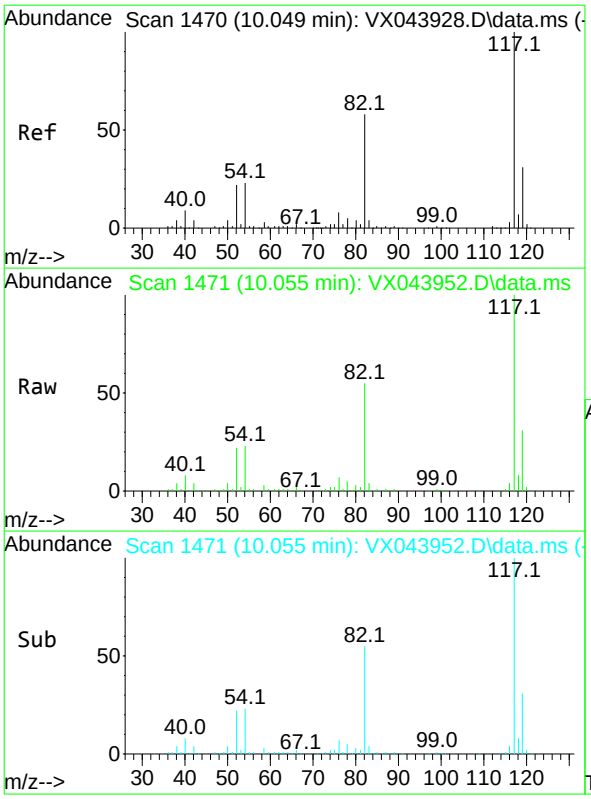


#62
4-Bromofluorobenzene
Concen: 47.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion: 95 Resp: 89774

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	150.4
176	68.7	0.0	146.0



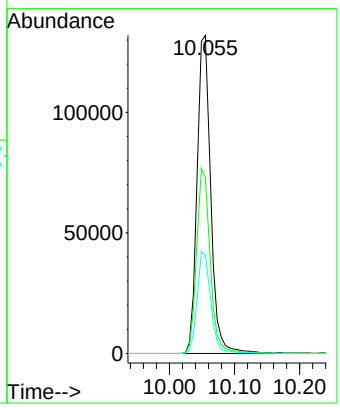


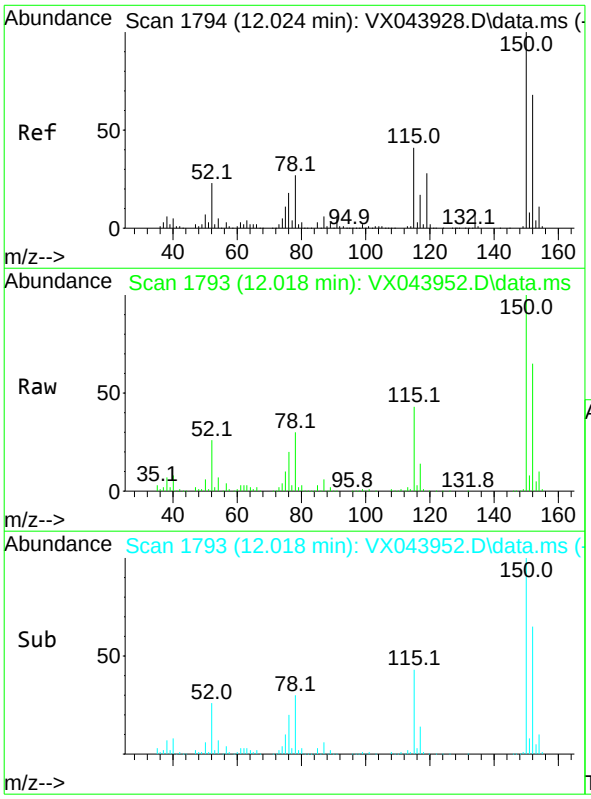
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:117 Resp: 192949

Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.4	69.6
119	30.9	24.6	37.0

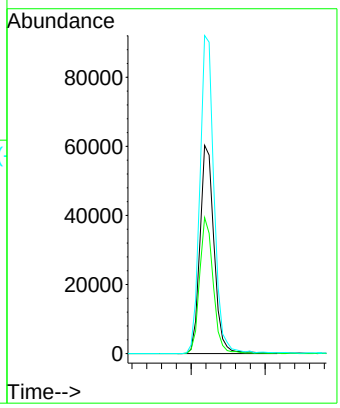




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion:152 Resp: 79805

Ion	Ratio	Lower	Upper
152	100		
115	63.1	45.4	136.2
150	153.0	0.0	353.0



Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043952.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV2	6426	9591	1.30%	0.249%
2	1.575	68	80	82	rBV5	12994	37633	5.12%	0.978%
3	1.630	82	89	90	rVV7	6335	13526	1.84%	0.351%
4	2.934	298	303	312	rBV5	3365	7995	1.09%	0.208%
5	5.379	693	704	720	rBV	85484	251825	34.24%	6.541%
6	5.544	720	731	745	rBV	131765	372015	50.59%	9.663%
7	5.952	788	798	814	rBV	98932	272636	37.07%	7.082%
8	6.757	921	930	947	rBV	220196	542645	73.79%	14.095%
9	8.647	1232	1240	1256	rBV	440874	735413	100.00%	19.102%
10	10.049	1465	1470	1486	rBV	431158	631770	85.91%	16.410%
11	11.079	1633	1639	1653	rBV	340236	450230	61.22%	11.695%
12	12.018	1788	1793	1804	rBV	402125	524551	71.33%	13.625%

Sum of corrected areas: 3849830

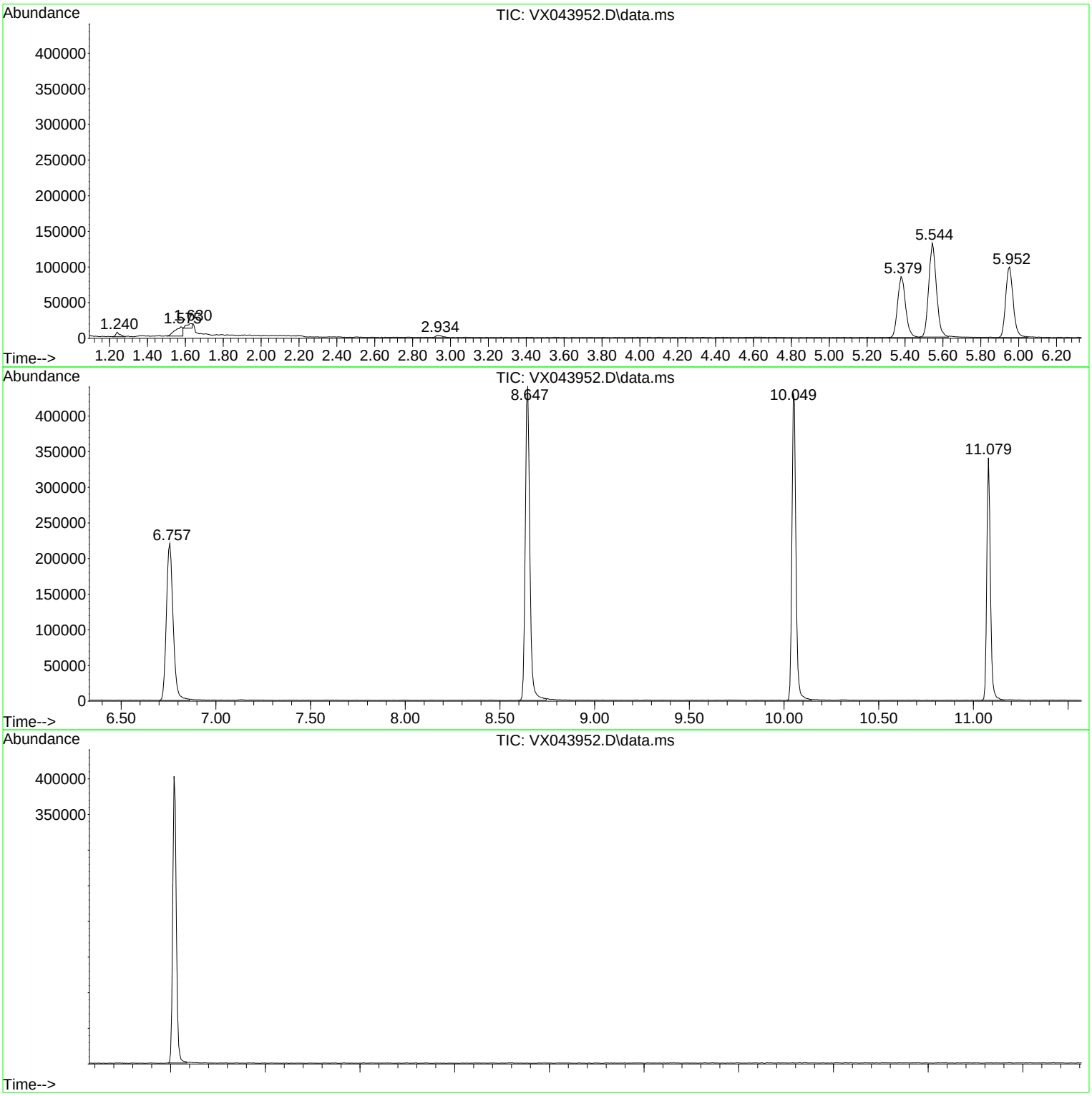
Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On    : 22 Nov 2024  12:13
Operator  : JC/MD
Sample    : VX1122WBL01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title  : SW846 8260

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

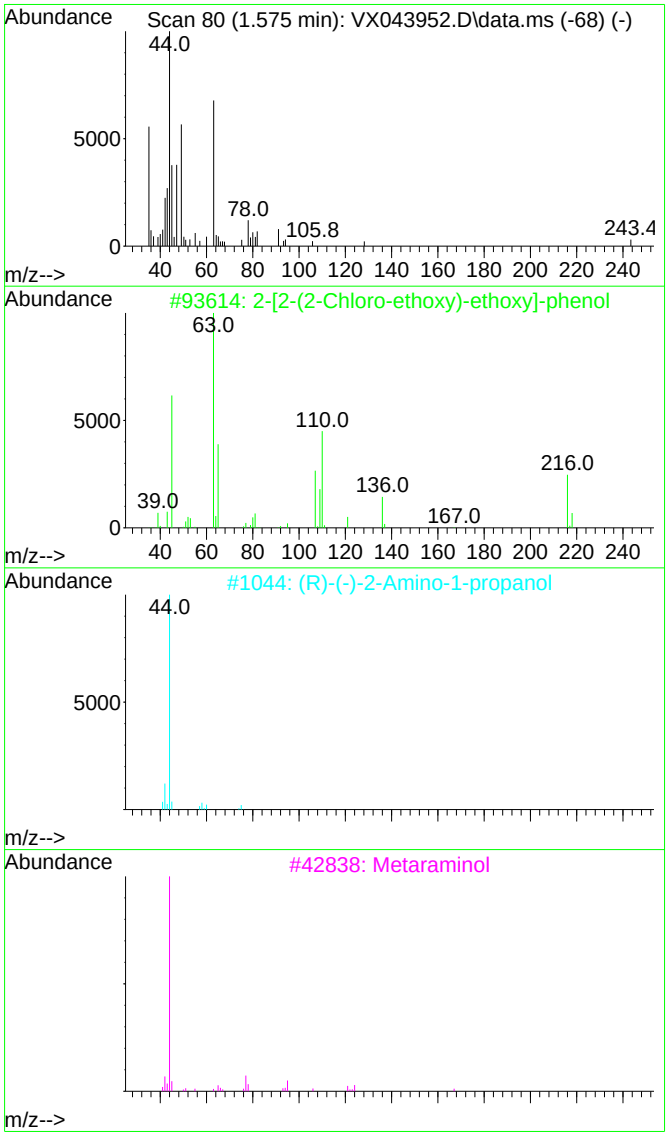
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

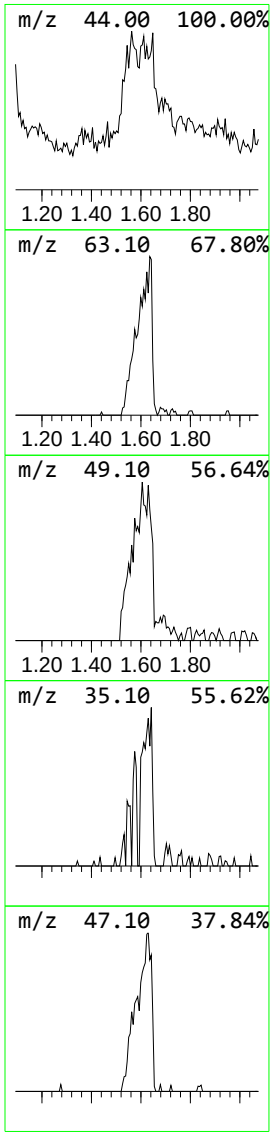
****

Peak Number 1 unknown1.575 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.575	5.06 ug/l	37633	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	10
2	(R)-(-)-2-Amino-1-propanol	75	C3H9NO	035320-23-1	9
3	Metaraminol	167	C9H13NO2	000054-49-9	9
4	acetic acid, 2-chloro-2-(chlorom...	172	C4H6Cl2O3	1000404-64-5	9
5	Topotecan	421	C23H23N3O5	1000131-70-7	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.575	1.575	5.1	ug/l	37633	1	5.544	372015	50.0

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4873
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4873
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	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	47.2		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.538				
540-36-3	1,4-Difluorobenzene	224000	6.757				
3114-55-4	Chlorobenzene-d5	208000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	90700	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4873
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

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\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Time: Nov 26 00:44:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

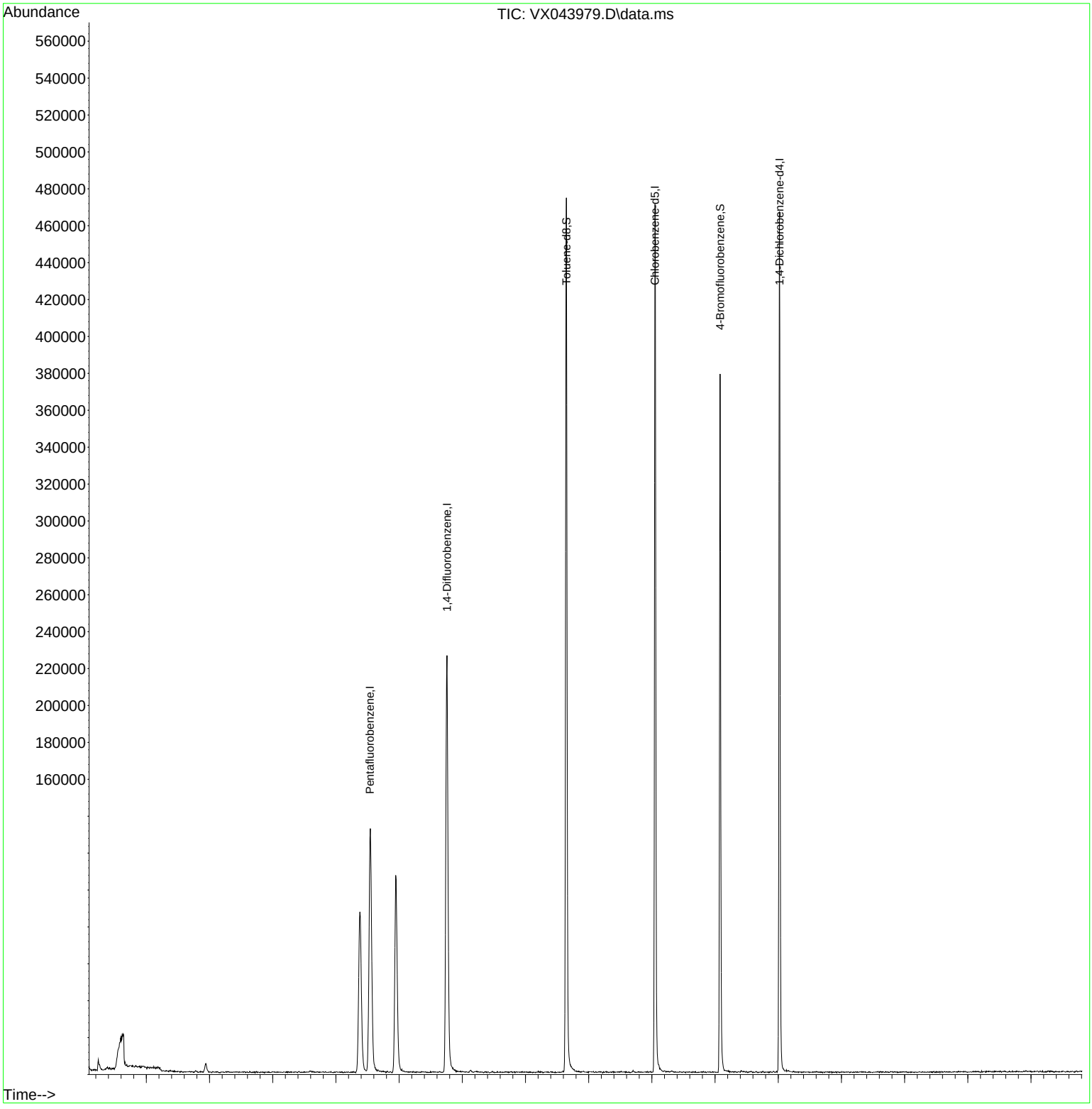
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	113649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101387	52.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.020%			
35) Dibromofluoromethane	5.379	113	75383	47.175	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.360%			
50) Toluene-d8	8.647	98	284104	51.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	95049	50.703	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.400%			
Target Compounds						Qvalue

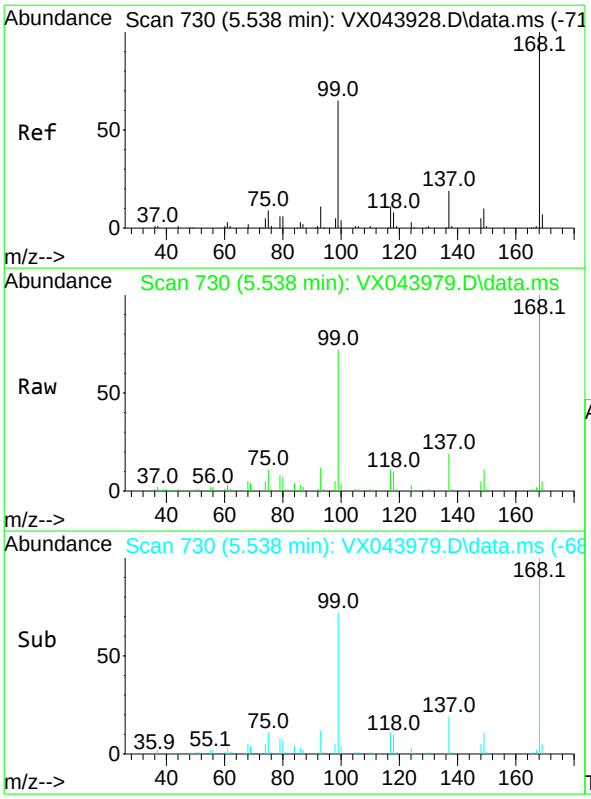
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Time: Nov 26 00:44:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



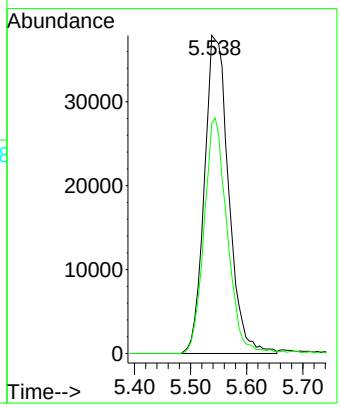


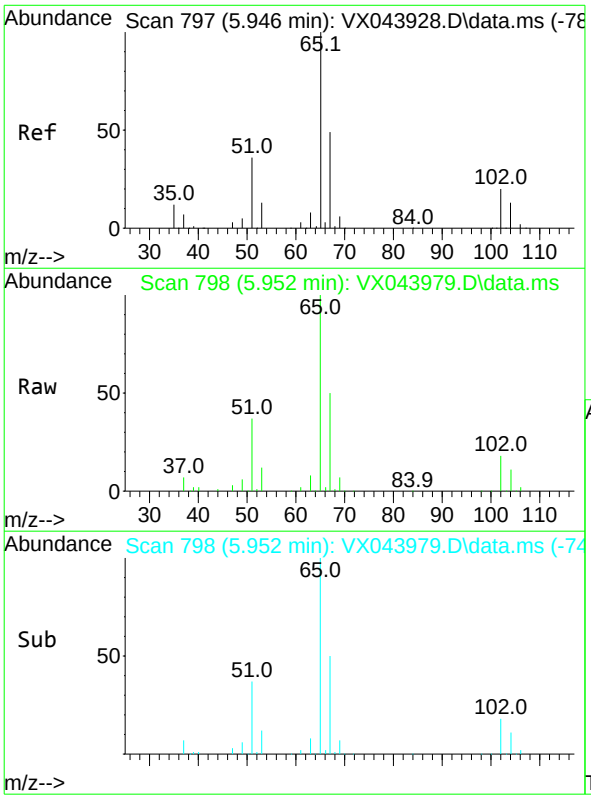
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion:168 Resp: 113649

Ion	Ratio	Lower	Upper
168	100		
99	72.4	51.8	77.8

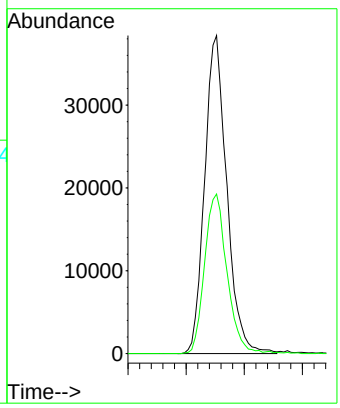


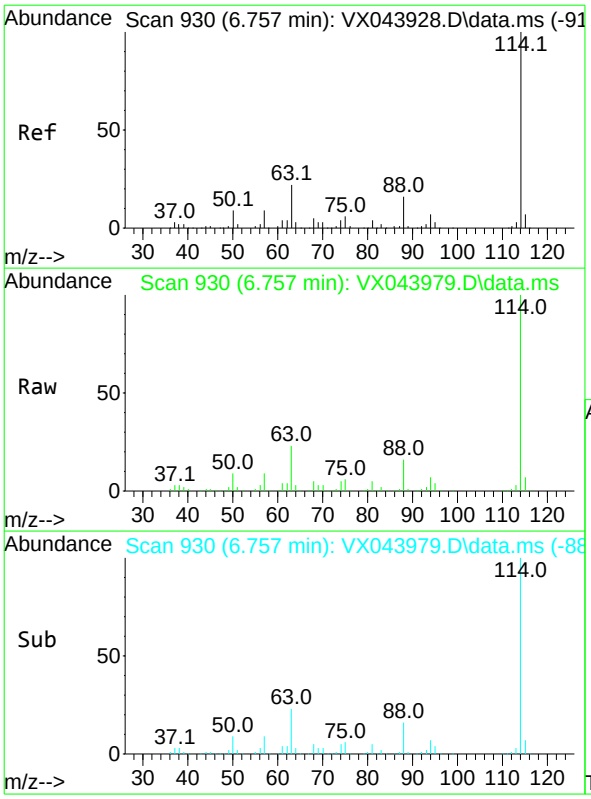


#33
1,2-Dichloroethane-d4
Concen: 52.013 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion: 65 Resp: 101387

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.8



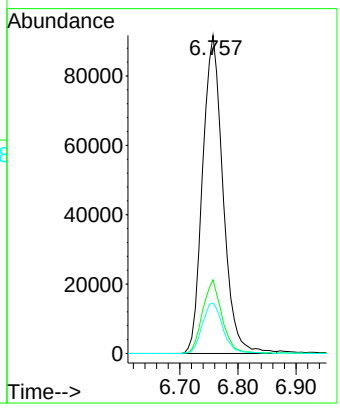


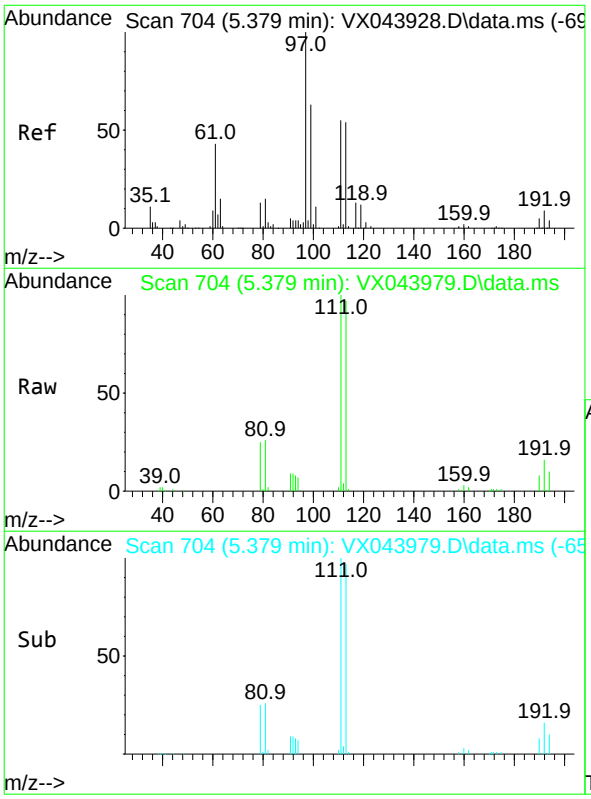
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion:114 Resp: 223629

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.0
88	15.9	0.0	32.4

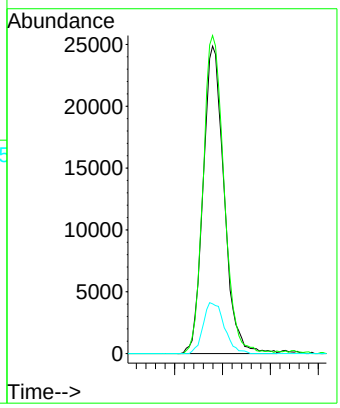


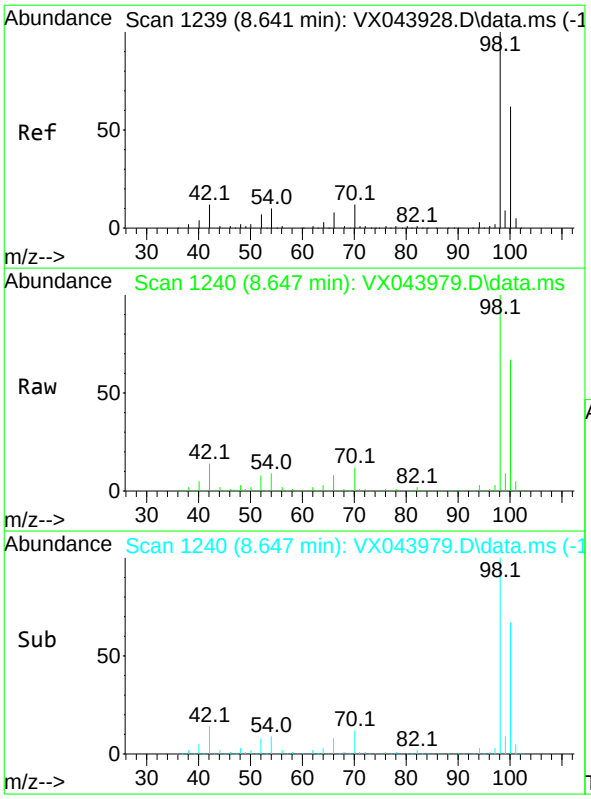


#35
Dibromofluoromethane
Concen: 47.175 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion:113 Resp: 75383

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.4
192	16.8	13.0	19.6



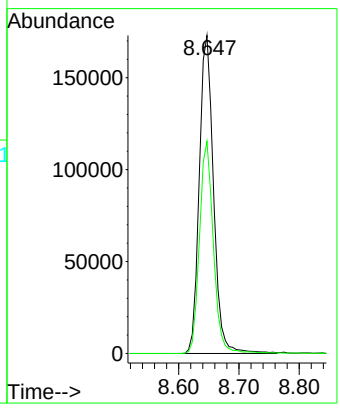


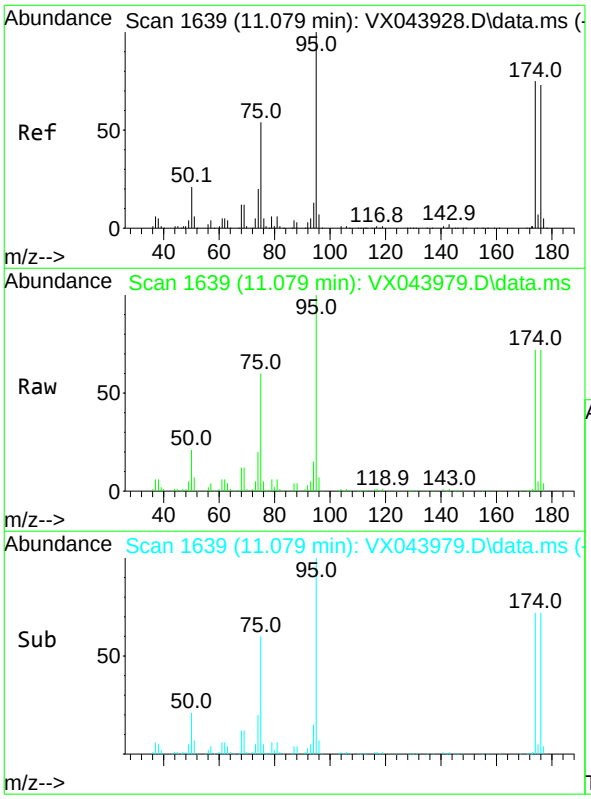
#50
Toluene-d8
Concen: 51.578 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion: 98 Resp: 284104

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

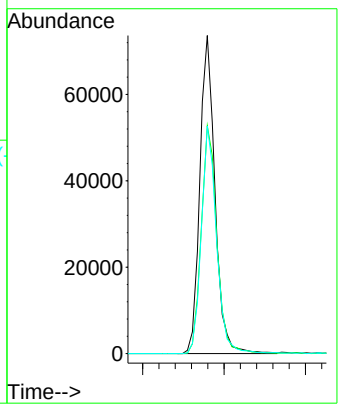


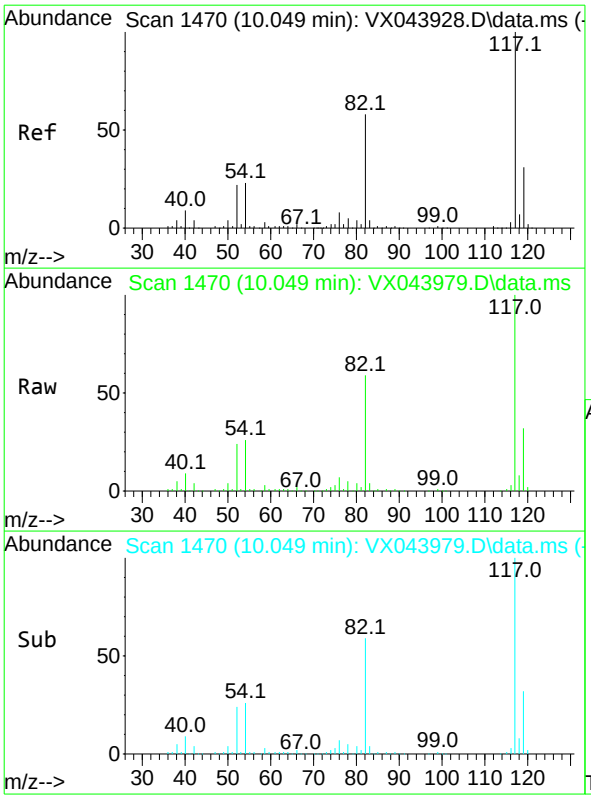


#62
4-Bromofluorobenzene
Concen: 50.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion: 95 Resp: 95049

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	150.4
176	71.8	0.0	146.0



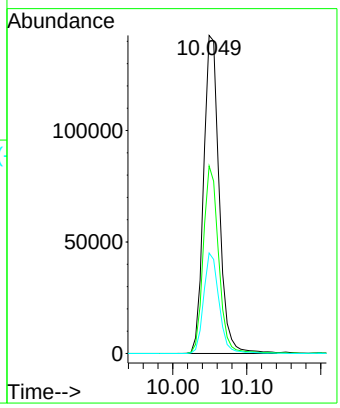


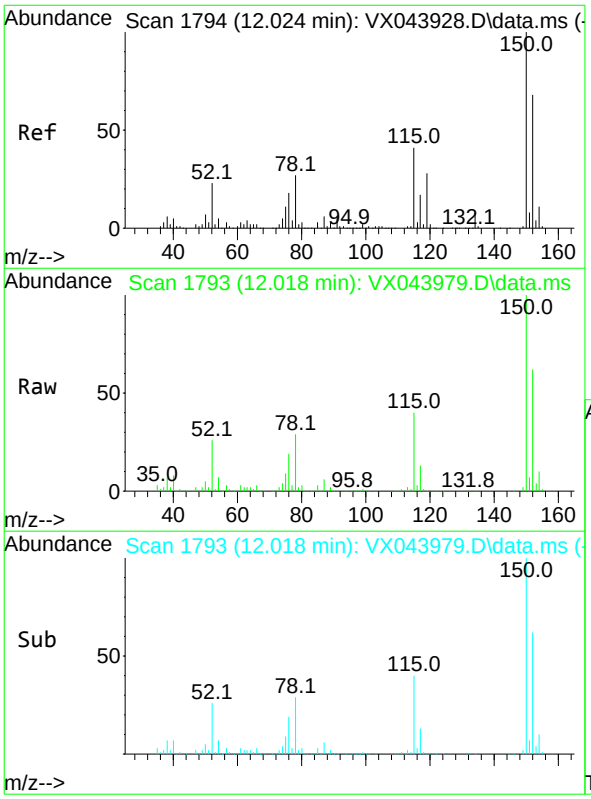
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion:117 Resp: 208120

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.4	69.6
119	31.6	24.6	37.0

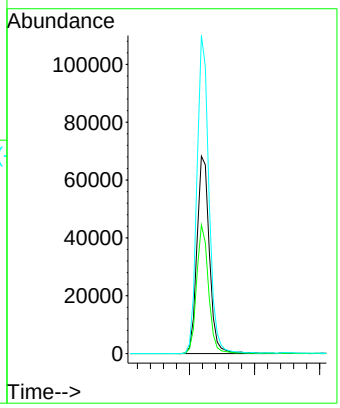




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043979.D
Acq: 25 Nov 2024 12:18

Tgt Ion:152 Resp: 90683

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.4	136.2
150	155.6	0.0	353.0



Sample Results: **VX043979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043979.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	36	rBV3	5944	11267	1.44%	0.274%
2	1.593	67	83	84	rBV5	17027	56302	7.20%	1.371%
3	2.941	298	304	312	rVB4	4793	10768	1.38%	0.262%
4	5.379	693	704	720	rBV2	87196	264956	33.90%	6.452%
5	5.544	720	731	746	rVV	131457	377341	48.28%	9.189%
6	5.946	787	797	811	rBV	107090	283390	36.26%	6.901%
7	6.757	919	930	945	rBV	225942	550568	70.45%	13.407%
8	8.647	1232	1240	1256	rBV	473908	781495	100.00%	19.031%
9	10.049	1465	1470	1492	rBV	470361	681040	87.15%	16.584%
10	11.079	1634	1639	1650	rBV	378480	489943	62.69%	11.931%
11	12.018	1788	1793	1807	rBV	465960	599465	76.71%	14.598%

Sum of corrected areas: 4106535

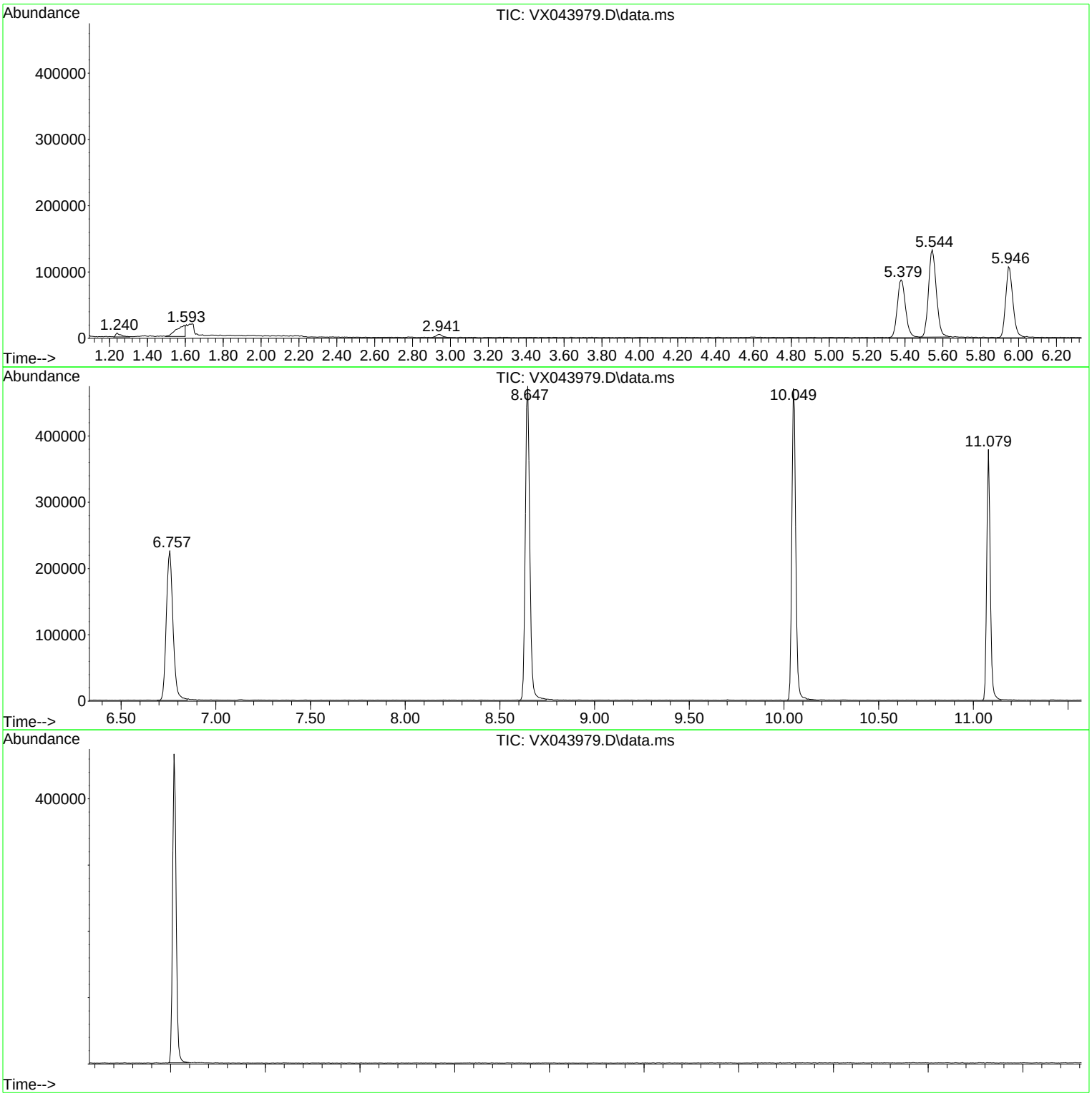
Sample Results: **VX043979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1126WBL01	SDG No.:	P4873
Lab Sample ID:	VX1126WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044006.D	1		11/26/24 10:54	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1126WBL01	SDG No.:	P4873
Lab Sample ID:	VX1126WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044006.D	1		11/26/24 10:54	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.55				
540-36-3	1,4-Difluorobenzene	212000	6.751				
3114-55-4	Chlorobenzene-d5	187000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	75600	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1126WBL01	SDG No.:	P4873
Lab Sample ID:	VX1126WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044006.D	1		11/26/24 10:54	VX112624

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\VX112624\
Data File : VX044006.D
Acq On : 26 Nov 2024 10:54
Operator : JC/MD
Sample : VX1126WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Quant Time: Nov 27 00:47:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

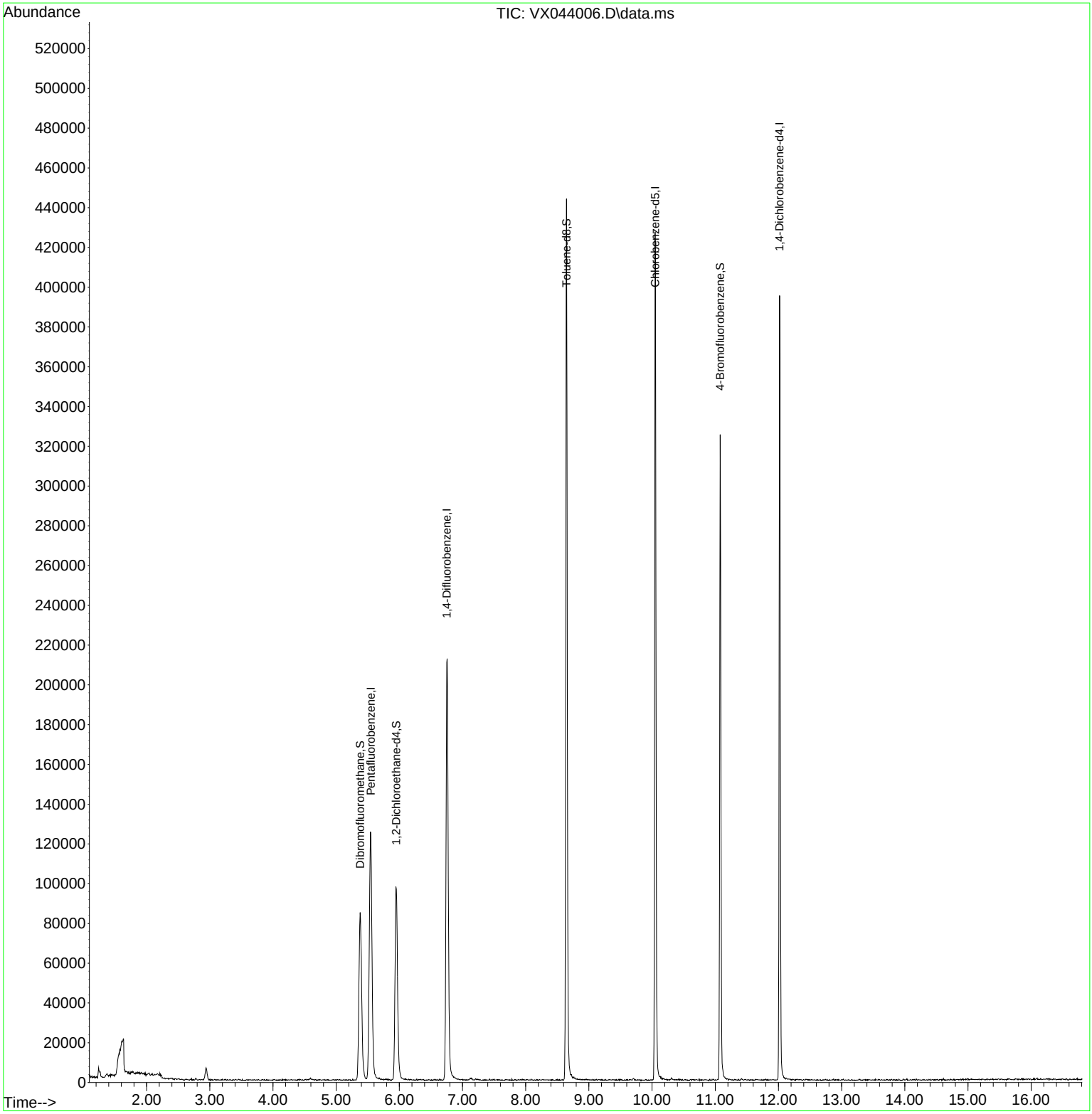
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	113627	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.751	114	212092	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	187057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98072	50.322	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.640%			
35) Dibromofluoromethane	5.379	113	72225	47.657	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.320%			
50) Toluene-d8	8.647	98	262606	50.268	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.540%			
62) 4-Bromofluorobenzene	11.079	95	83026	46.699	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.400%			
Target Compounds						Qvalue

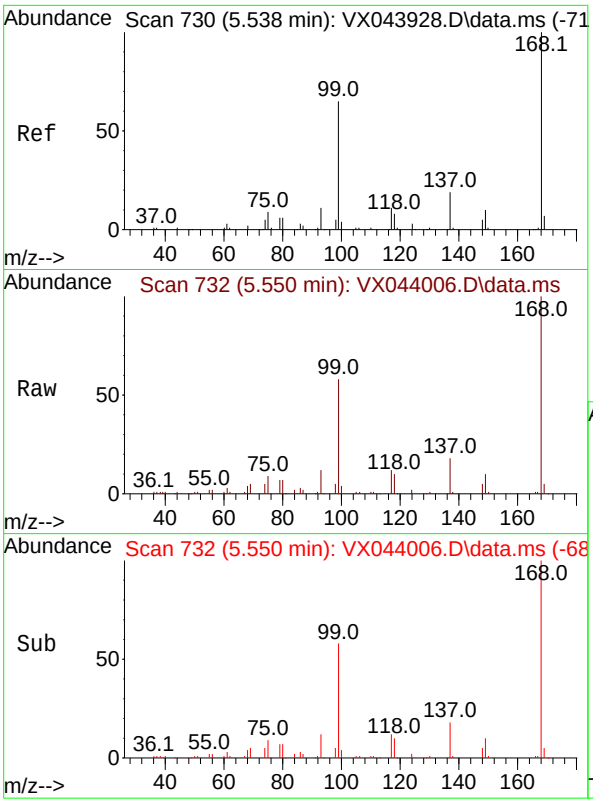
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044006.D
Acq On : 26 Nov 2024 10:54
Operator : JC/MD
Sample : VX1126WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Quant Time: Nov 27 00:47:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



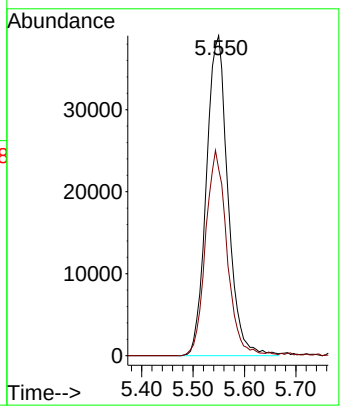


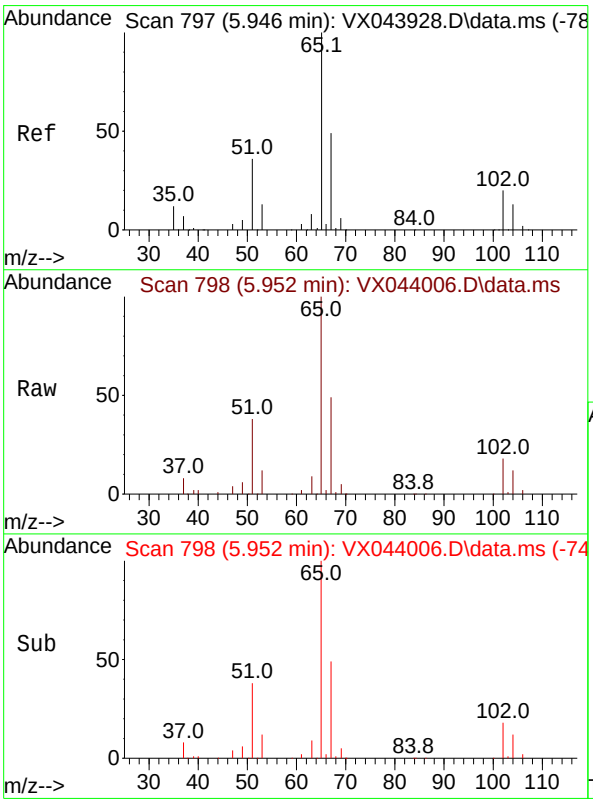
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Tgt Ion:168 Resp: 113627

Ion	Ratio	Lower	Upper
168	100		
99	58.3	51.8	77.8

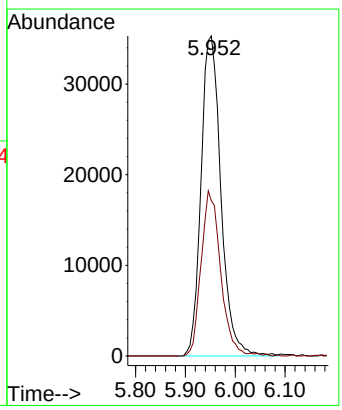


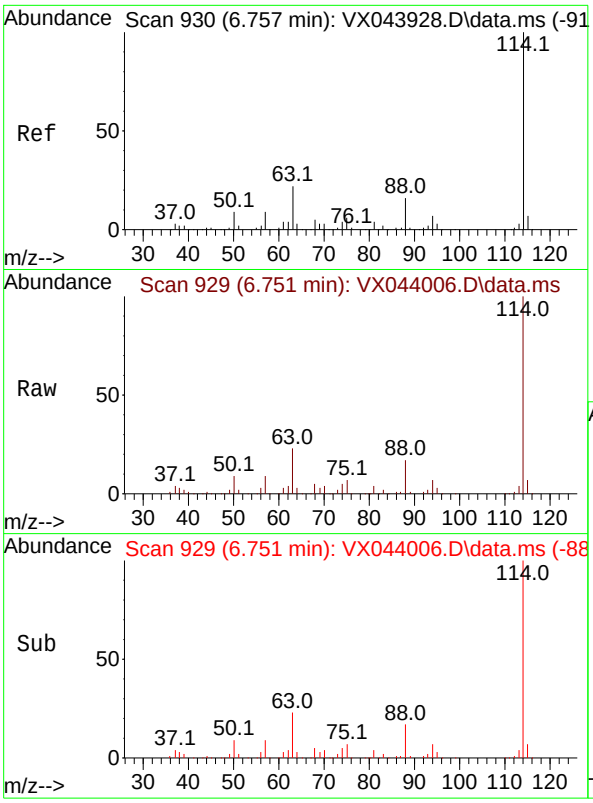


#33
1,2-Dichloroethane-d4
Concen: 50.322 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Tgt Ion: 65 Resp: 98072

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.8



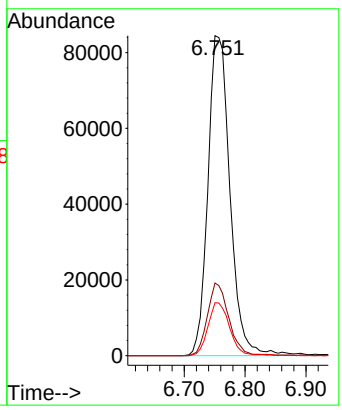


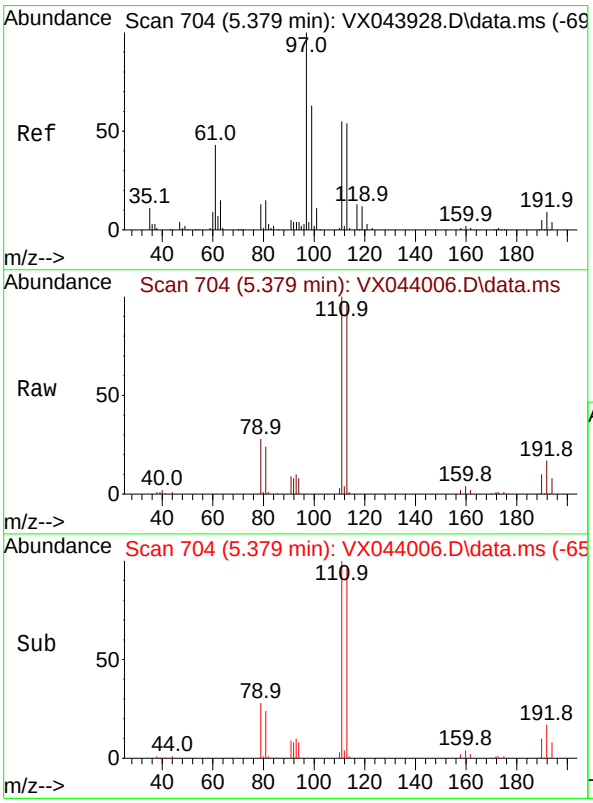
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Tgt Ion:114 Resp: 212092

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.5	0.0	32.4

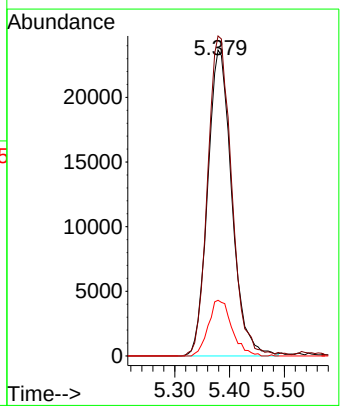


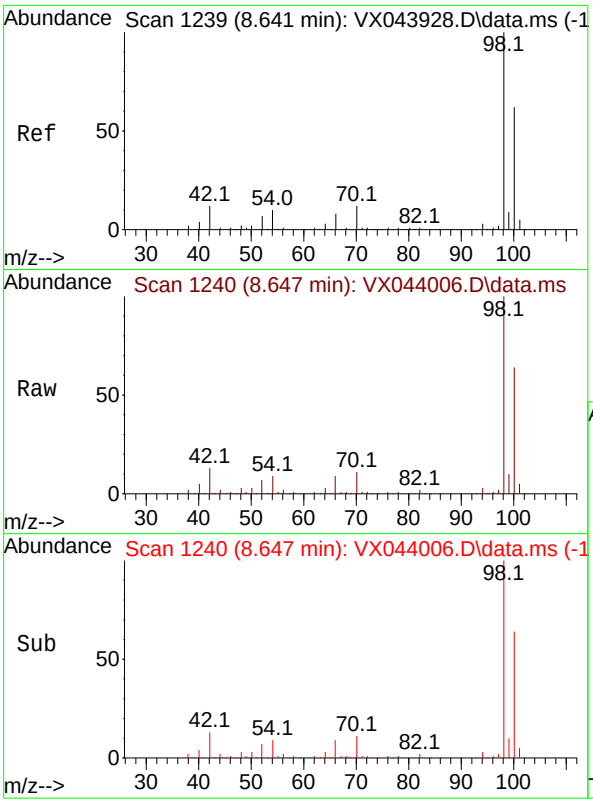


#35
Dibromofluoromethane
Concen: 47.657 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Tgt Ion:113 Resp: 72225

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	17.7	13.0	19.6



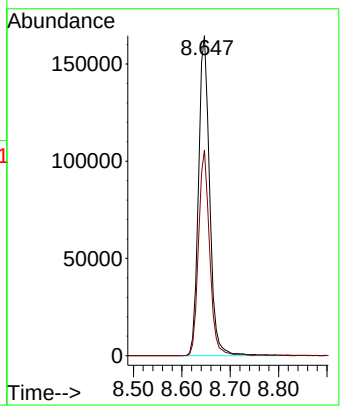


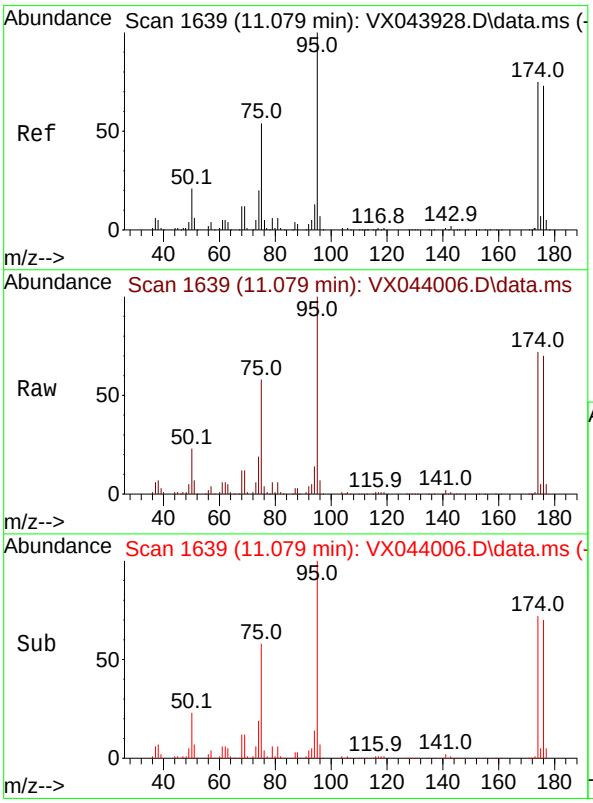
#50
Toluene-d8
Concen: 50.268 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Tgt Ion: 98 Resp: 262606

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.6	79.0

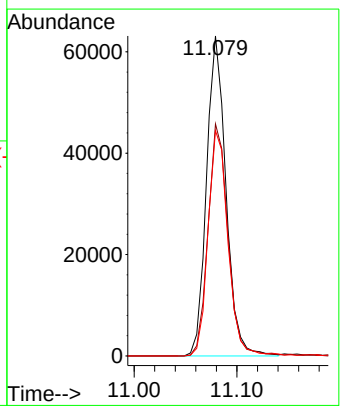


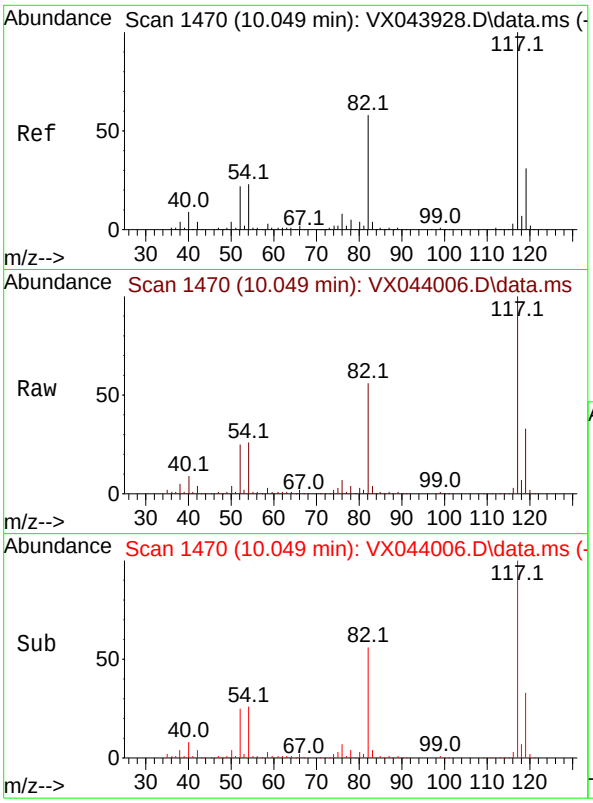


#62
4-Bromofluorobenzene
Concen: 46.699 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Tgt Ion: 95 Resp: 83026

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	150.4
176	71.9	0.0	146.0



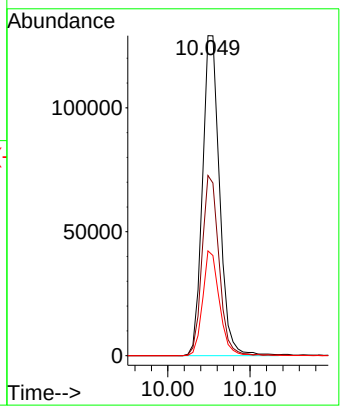


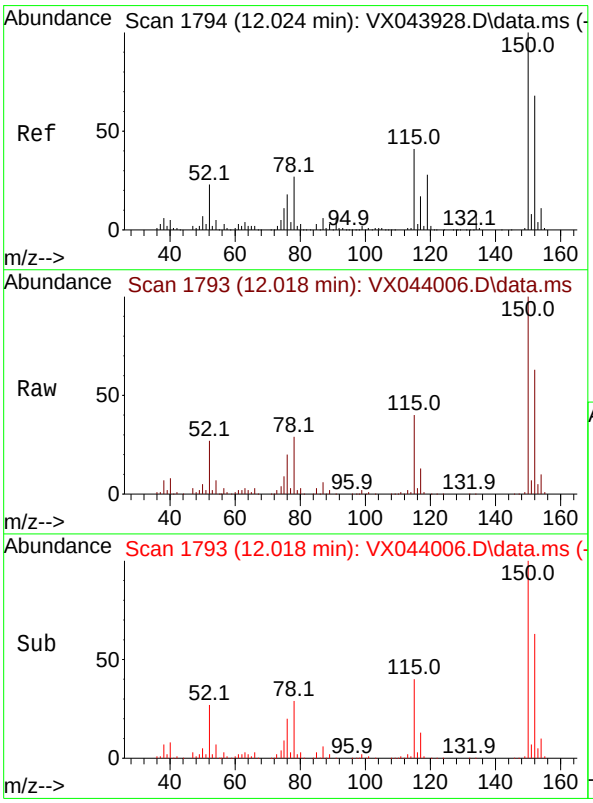
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Tgt Ion:117 Resp: 187057

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.4	69.6
119	32.7	24.6	37.0

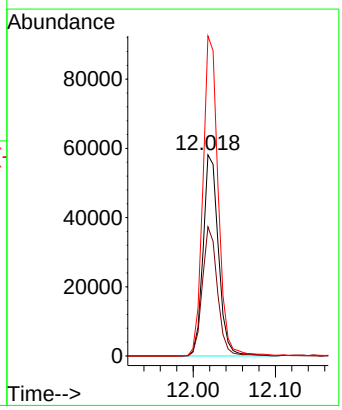




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044006.D
Acq: 26 Nov 2024 10:54

Tgt Ion:152 Resp: 75578

Ion	Ratio	Lower	Upper
152	100		
115	62.9	45.4	136.2
150	157.6	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044006.D
Acq On : 26 Nov 2024 10:54
Operator : JC/MD
Sample : VX1126WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX044006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	22	25	35	rBV3	5108	10106	1.42%	0.272%
2	1.575	69	80	81	rBV3	12764	32091	4.50%	0.865%
3	2.940	296	304	313	rVB2	6175	13767	1.93%	0.371%
4	5.379	693	704	720	rBV2	84369	253387	35.56%	6.828%
5	5.544	720	731	750	rVV2	124331	364631	51.17%	9.826%
6	5.946	788	797	811	rBV2	96960	267073	37.48%	7.197%
7	6.757	919	930	943	rBV	212061	521234	73.15%	14.045%
8	8.647	1232	1240	1251	rBV	443368	712587	100.00%	19.202%
9	10.049	1464	1470	1481	rBV	426567	609072	85.47%	16.412%
10	11.079	1634	1639	1650	rBV	324419	426728	59.88%	11.499%
11	12.018	1788	1793	1806	rBV	394213	500364	70.22%	13.483%

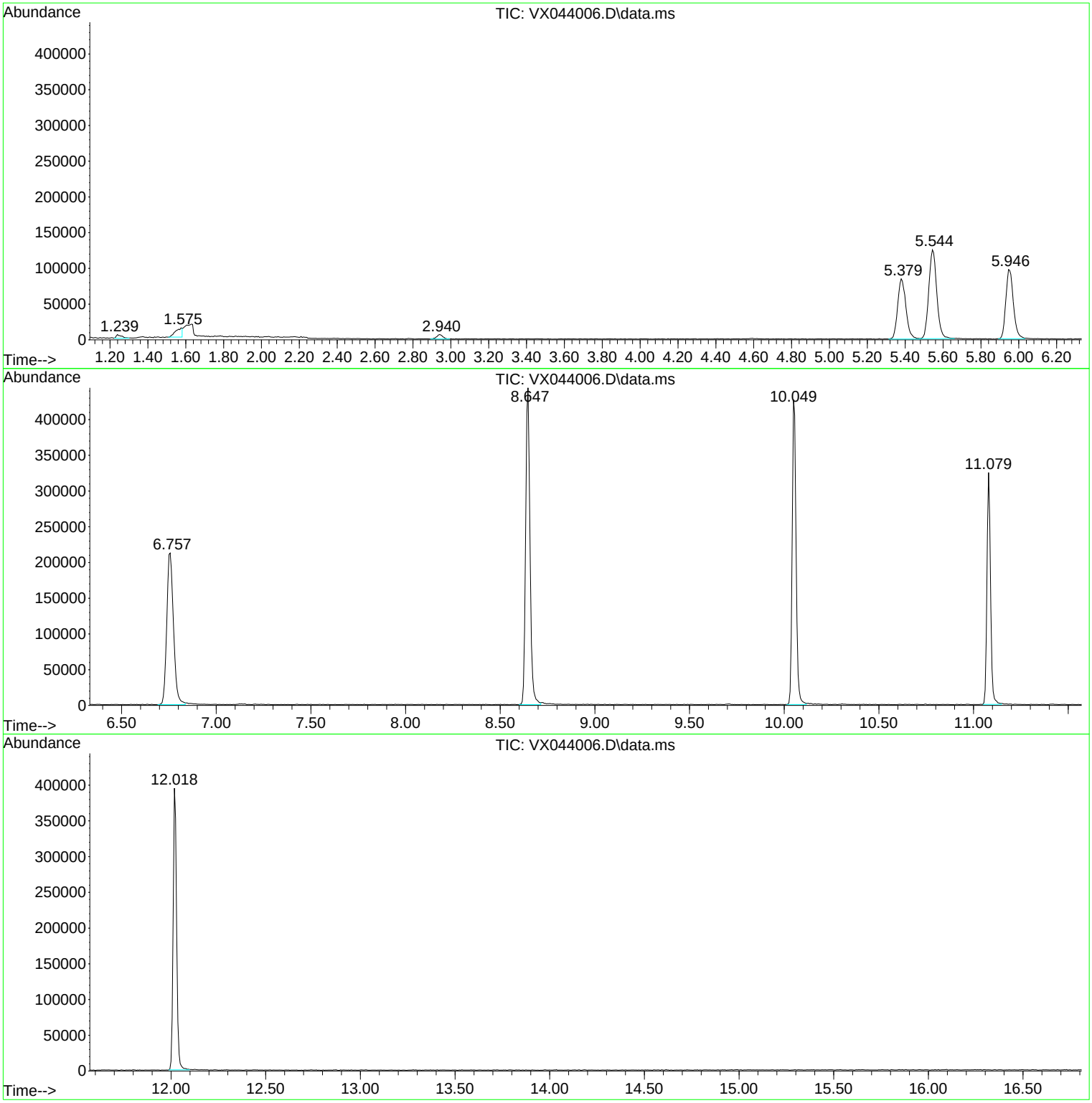
Sum of corrected areas: 3711040

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044006.D
Acq On : 26 Nov 2024 10:54
Operator : JC/MD
Sample : VX1126WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044006.D
Acq On : 26 Nov 2024 10:54
Operator : JC/MD
Sample : VX1126WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044006.D
Acq On : 26 Nov 2024 10:54
Operator : JC/MD
Sample : VX1126WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

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

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBS01	SDG No.:	P4873
Lab Sample ID:	VX1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	20.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	23.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	99.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.5		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.8		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	21.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.3		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.4		0.18	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:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBS01	SDG No.:	P4873
Lab Sample ID:	VX1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	16.9		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.7		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.2		0.51	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	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.543				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	196000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	86700	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBS01	SDG No.:	P4873
Lab Sample ID:	VX1122WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

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\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	122957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113852	53.986	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.980%			
35) Dibromofluoromethane	5.379	113	82706	50.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	287688	50.911	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	96910	50.392	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	31130	19.985	ug/l	94
3) Chloromethane	1.294	50	34079	20.791	ug/l	98
4) Vinyl Chloride	1.373	62	36280	20.809	ug/l	100
5) Bromomethane	1.599	94	23111	21.548	ug/l	97
6) Chloroethane	1.666	64	24828	23.371	ug/l	100
7) Trichlorofluoromethane	1.873	101	60641	19.455	ug/l	97
8) Diethyl Ether	2.136	74	23915	21.050	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	30353	20.414	ug/l	97
10) Methyl Iodide	2.446	142	39789	21.427	ug/l	99
11) Tert butyl alcohol	2.989	59	34049	100.588	ug/l	100
12) 1,1-Dichloroethene	2.312	96	28927	20.417	ug/l	93
13) Acrolein	2.239	56	37938	106.330	ug/l	95
14) Allyl chloride	2.660	41	48638	21.009	ug/l	97
15) Acrylonitrile	3.062	53	85765	103.970	ug/l	99
16) Acetone	2.386	43	96805	99.942	ug/l	98
17) Carbon Disulfide	2.501	76	49804	17.041	ug/l #	95
18) Methyl Acetate	2.703	43	46269	20.512	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	110640	21.507	ug/l	99
20) Methylene Chloride	2.782	84	34071	20.728	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	30530	20.871	ug/l	95
22) Diisopropyl ether	3.757	45	109520	22.124	ug/l #	87
23) Vinyl Acetate	3.721	43	453316	107.047	ug/l	99
24) 1,1-Dichloroethane	3.605	63	60662	21.241	ug/l	98
25) 2-Butanone	4.562	43	130824	104.675	ug/l	100
26) 2,2-Dichloropropane	4.471	77	52043	20.178	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	37579	20.783	ug/l	99
28) Bromochloromethane	4.891	49	24947	19.846	ug/l	97
29) Tetrahydrofuran	5.007	42	79046	103.164	ug/l	99
30) Chloroform	5.086	83	66350	21.602	ug/l	97
31) Cyclohexane	5.458	56	46697	19.867	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	56657	21.390	ug/l	99
36) 1,1-Dichloropropene	5.684	75	41234	20.185	ug/l	97
37) Ethyl Acetate	4.714	43	49752	19.620	ug/l #	92
38) Carbon Tetrachloride	5.672	117	43324	18.875	ug/l	95
39) Methylcyclohexane	7.372	83	49229	18.550	ug/l	98
40) Benzene	6.031	78	129291	20.319	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26340	20.295 ug/l #	93
42) 1,2-Dichloroethane	6.086	62	52905	20.702 ug/l	100
43) Isopropyl Acetate	6.342	43	81776	20.264 ug/l	100
44) Trichloroethene	7.122	130	30582	16.978 ug/l	89
45) 1,2-Dichloropropane	7.427	63	32777	21.032 ug/l	97
46) Dibromomethane	7.574	93	25316	20.535 ug/l	98
47) Bromodichloromethane	7.817	83	43925	19.866 ug/l	96
48) Methyl methacrylate	7.689	41	38226	19.741 ug/l	99
49) 1,4-Dioxane	7.665	88	11659	338.011 ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	248440	100.883 ug/l	100
52) Toluene	8.714	92	77505	20.351 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	45015	19.965 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	48377	19.572 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	31640	20.126 ug/l	96
56) Ethyl methacrylate	9.116	69	49905	20.380 ug/l	98
57) 1,3-Dichloropropane	9.305	76	55597	20.993 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	122520	90.630 ug/l	98
59) 2-Hexanone	9.433	43	186272	100.633 ug/l	99
60) Dibromochloromethane	9.518	129	29549	18.733 ug/l	97
61) 1,2-Dibromoethane	9.610	107	32532	20.465 ug/l	98
64) Tetrachloroethene	9.274	164	26135	20.270 ug/l	98
65) Chlorobenzene	10.079	112	85495	19.908 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	28882	20.737 ug/l	97
67) Ethyl Benzene	10.189	91	148481	20.404 ug/l	99
68) m/p-Xylenes	10.299	106	109390	40.309 ug/l	98
69) o-Xylene	10.640	106	54754	20.665 ug/l	99
70) Styrene	10.652	104	90186	20.579 ug/l	98
71) Bromoform	10.799	173	16436	16.936 ug/l #	94
73) Isopropylbenzene	10.963	105	140447	21.084 ug/l	100
74) N-amyl acetate	10.841	43	63571	20.600 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	49179	21.561 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39969m	21.032 ug/l	
77) Bromobenzene	11.195	156	32930	20.723 ug/l	96
78) n-propylbenzene	11.305	91	155584	20.912 ug/l	100
79) 2-Chlorotoluene	11.366	91	100875	21.442 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	119899	21.878 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11627	16.695 ug/l #	84
82) 4-Chlorotoluene	11.451	91	112420	21.166 ug/l	99
83) tert-Butylbenzene	11.713	119	114224	21.028 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	116894	21.424 ug/l	99
85) sec-Butylbenzene	11.890	105	136947	20.577 ug/l	99
86) p-Isopropyltoluene	12.006	119	114908	21.255 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59626	20.602 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	58980	19.988 ug/l	95
89) n-Butylbenzene	12.329	91	99700	20.917 ug/l	97
90) Hexachloroethane	12.536	117	17220	18.732 ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	60326	20.654 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7938	17.368 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	33614	19.521 ug/l	98
94) Hexachlorobutadiene	13.725	225	13463	19.782 ug/l	98
95) Naphthalene	13.774	128	124279	20.050 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35212	20.203 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

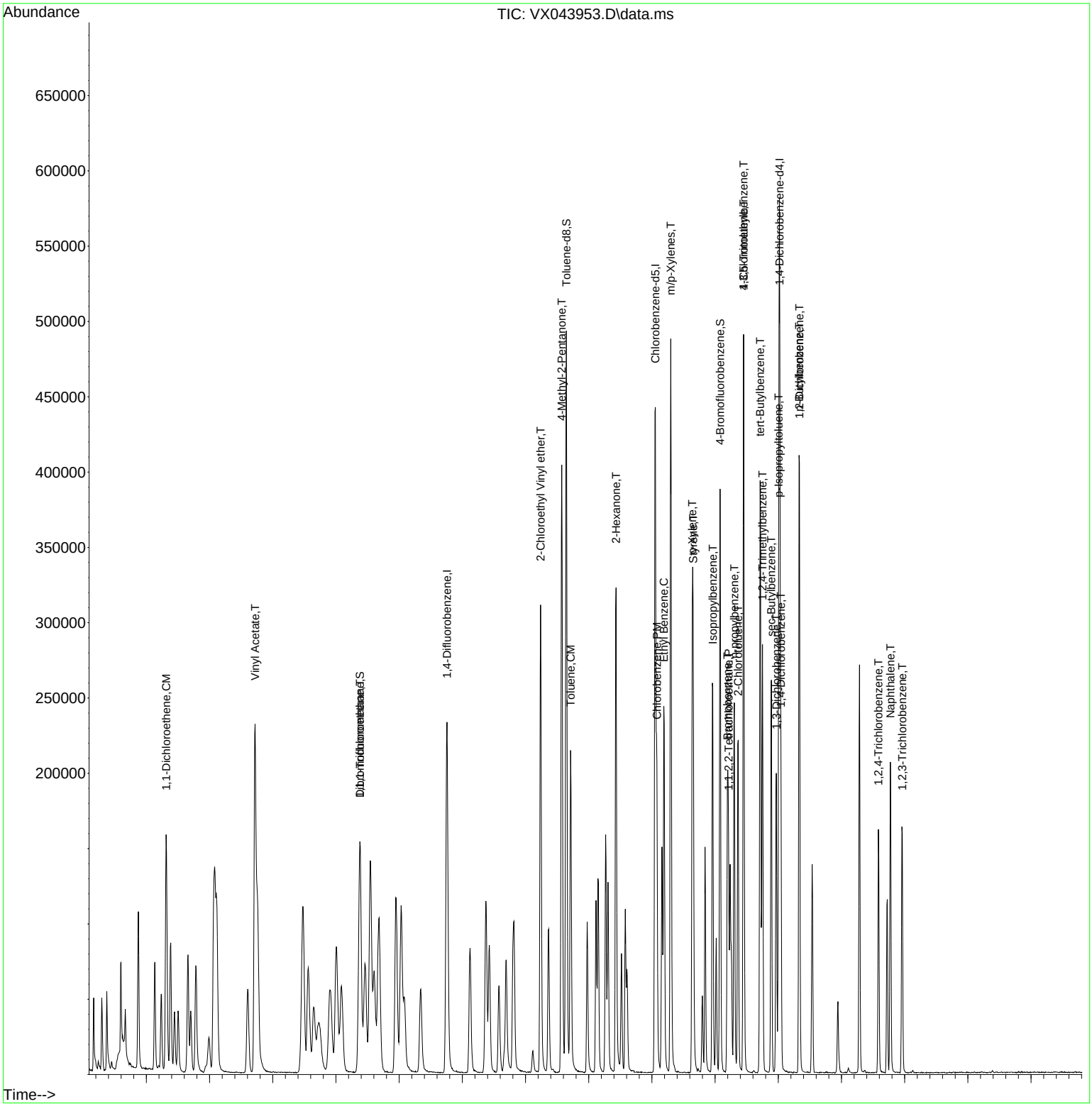
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

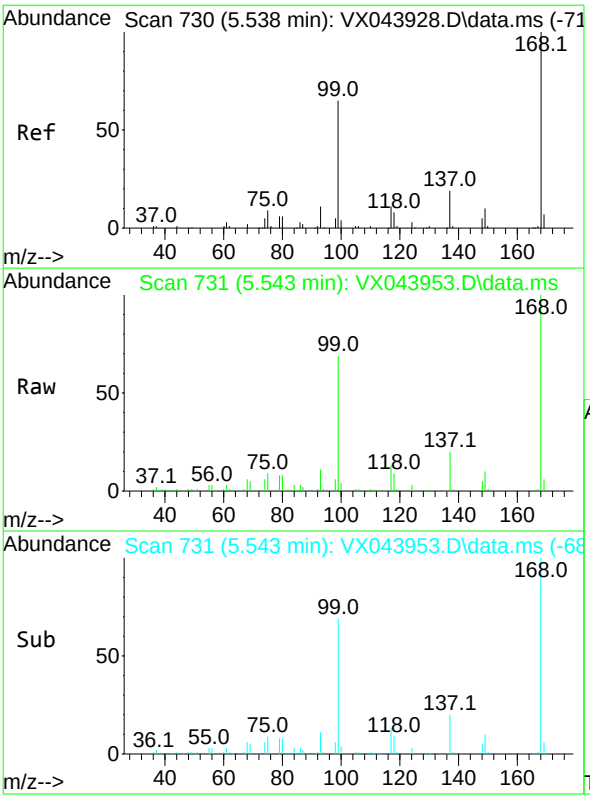
Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

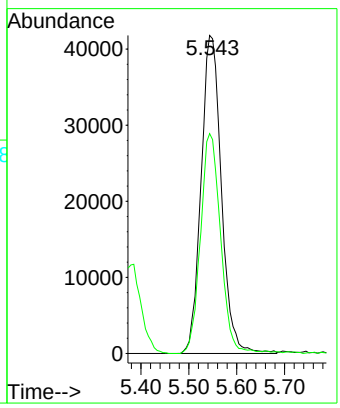




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:168 Resp: 122957

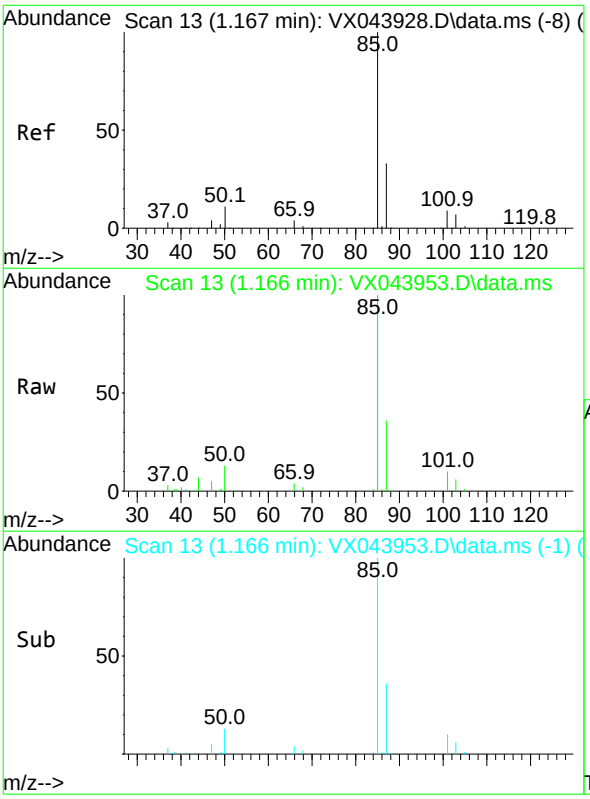
Ion	Ratio	Lower	Upper
168	100		
99	69.1	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

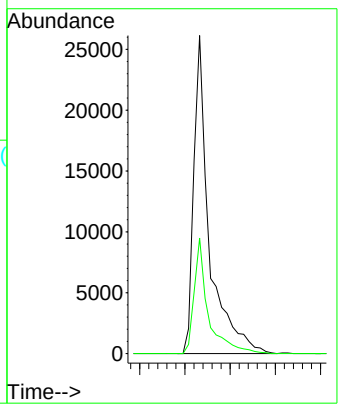
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

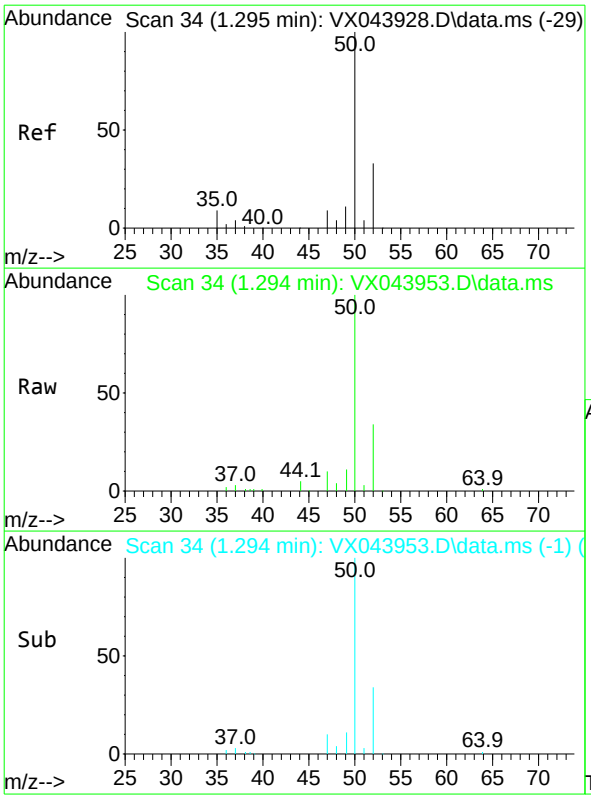


#2
Dichlorodifluoromethane
Concen: 19.985 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 85 Resp: 31130

Ion	Ratio	Lower	Upper
85	100		
87	36.3	16.6	49.8

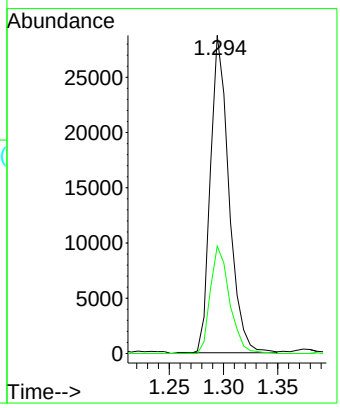




#3
Chloromethane
Concen: 20.791 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 50 Resp: 34079

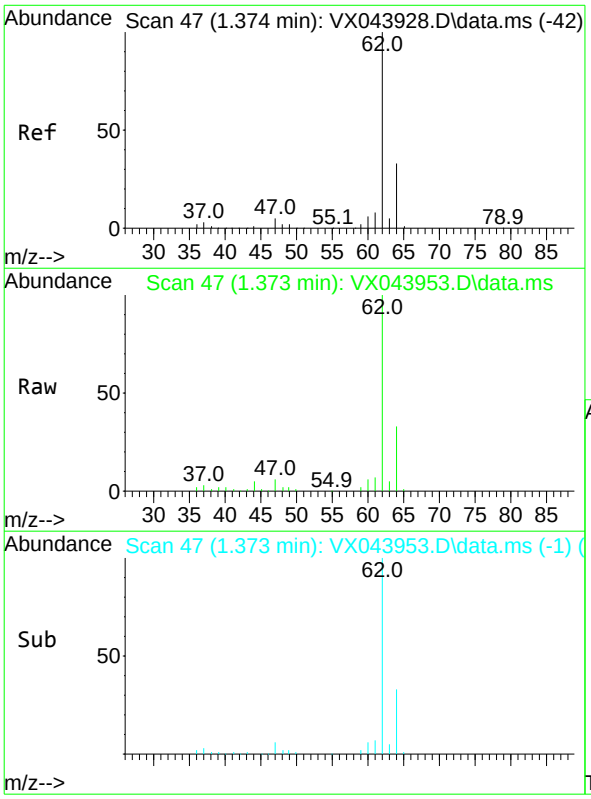
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

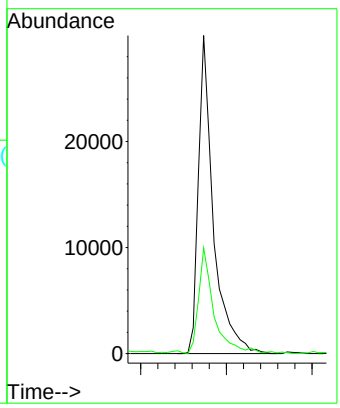
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

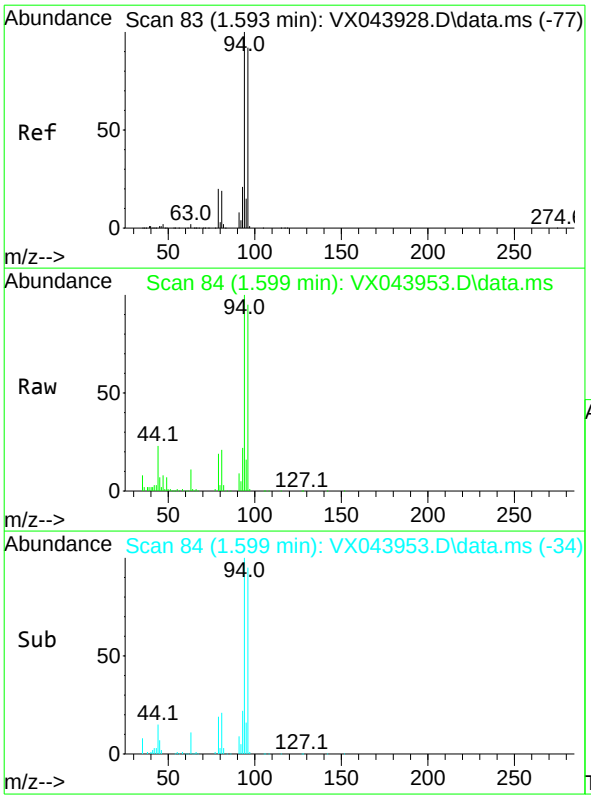


#4
Vinyl Chloride
Concen: 20.809 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 36280

Ion	Ratio	Lower	Upper
62	100		
64	33.0	26.2	39.4

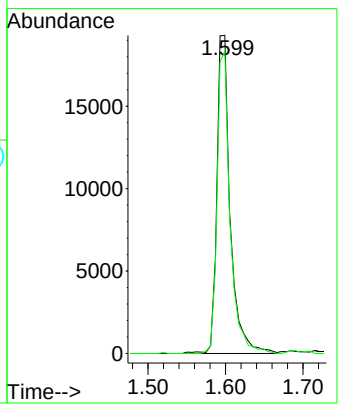




#5
Bromomethane
Concen: 21.548 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 94 Resp: 23111

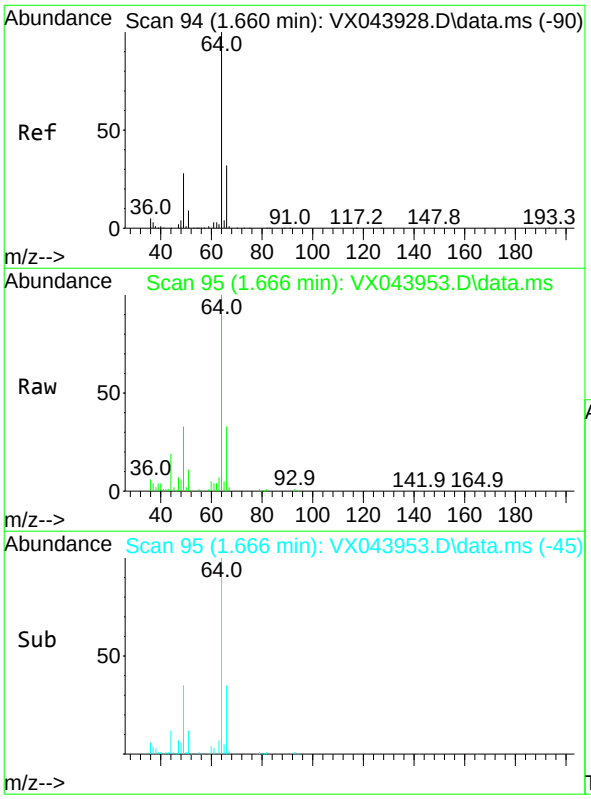
Ion	Ratio	Lower	Upper
94	100		
96	94.9	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

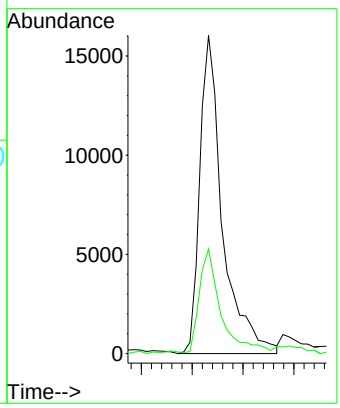
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

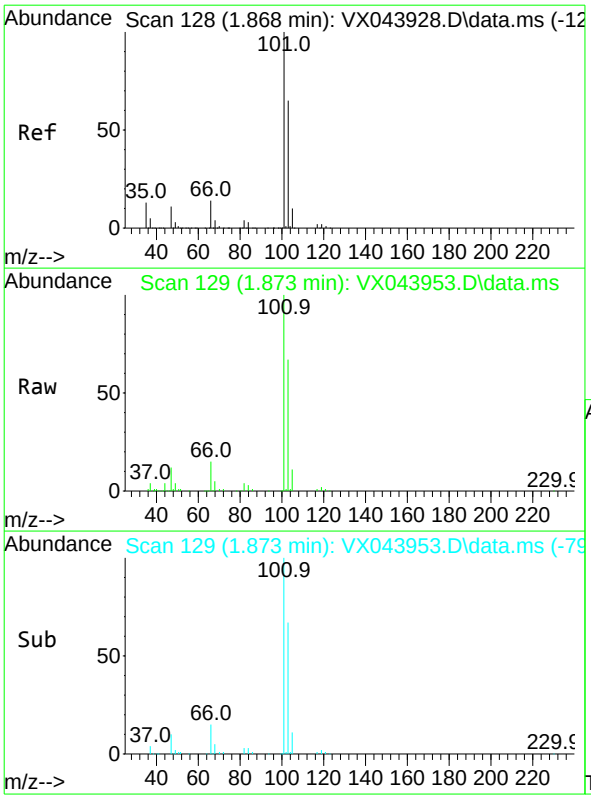


#6
Chloroethane
Concen: 23.371 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 64 Resp: 24828

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9

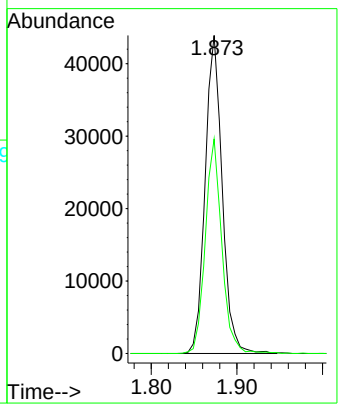




#7
Trichlorofluoromethane
Concen: 19.455 ug/l
RT: 1.873 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:101 Resp: 60641

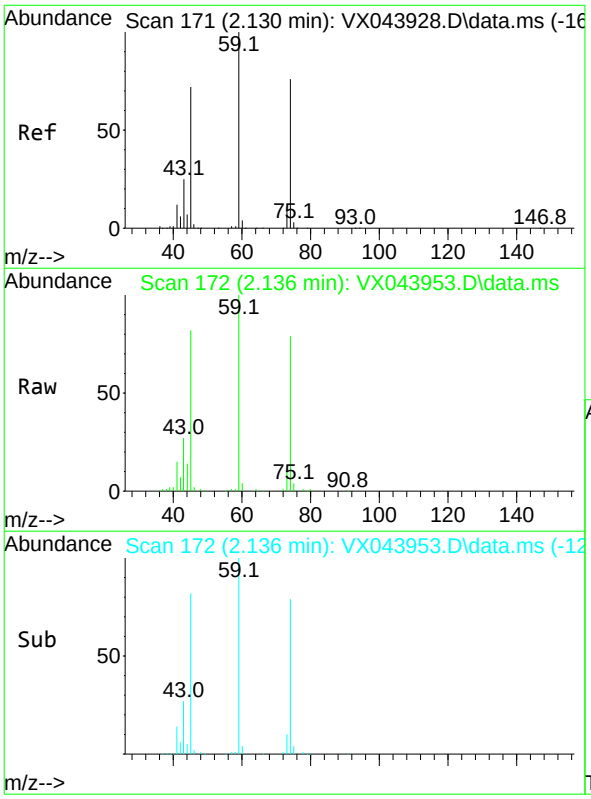
Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

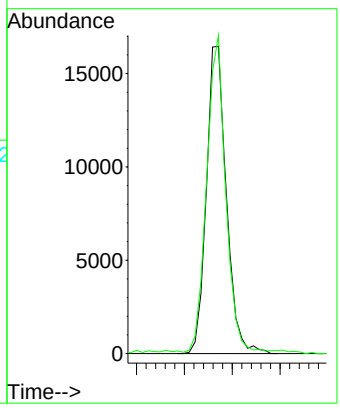
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

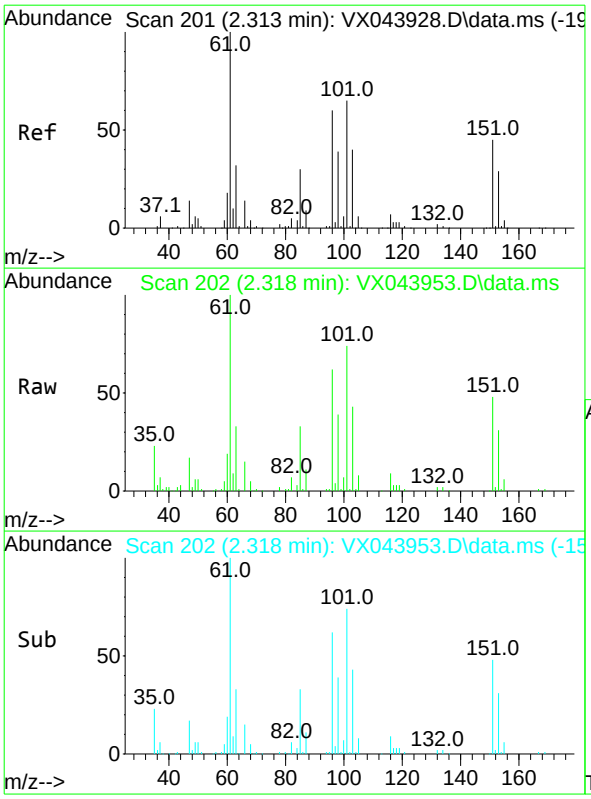


#8
Diethyl Ether
Concen: 21.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 74 Resp: 23915

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.6

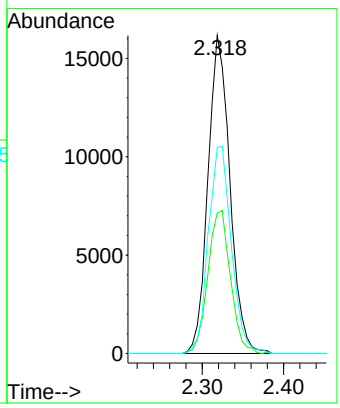




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.414 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:101 Resp: 30353

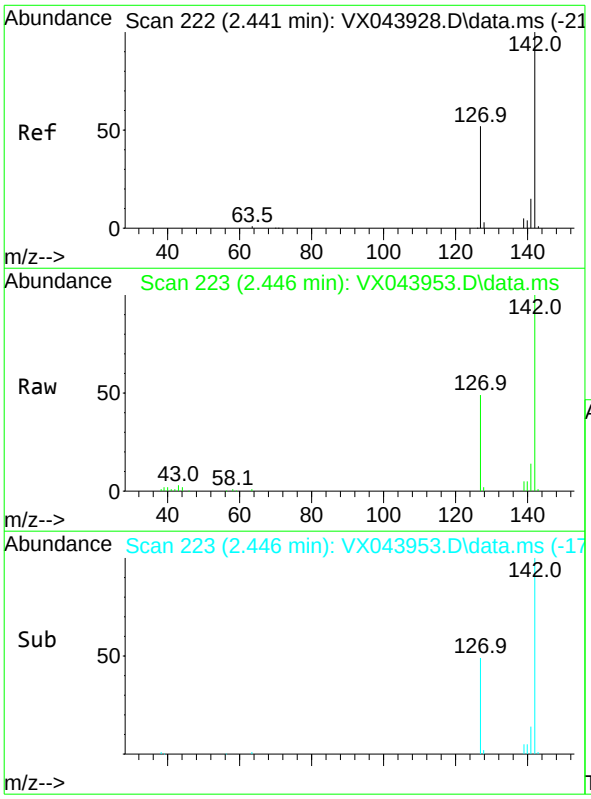
Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.9	56.9
151	68.2	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

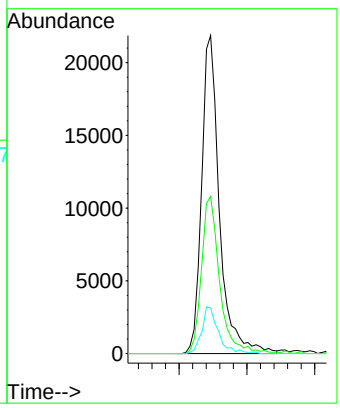
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

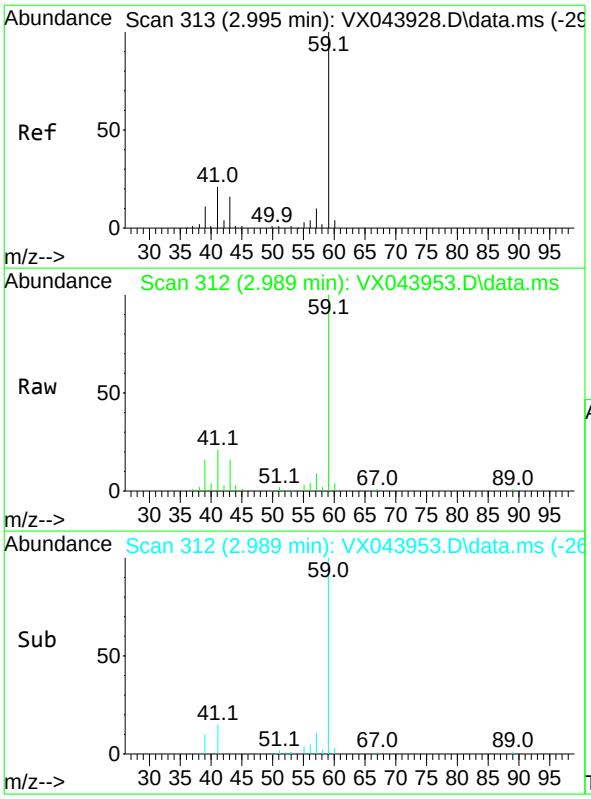


#10
Methyl Iodide
Concen: 21.427 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.7	61.1
141	13.8	12.0	18.0

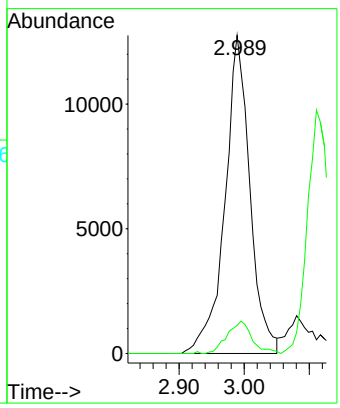




#11
Tert butyl alcohol
Concen: 100.588 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 59 Resp: 34049

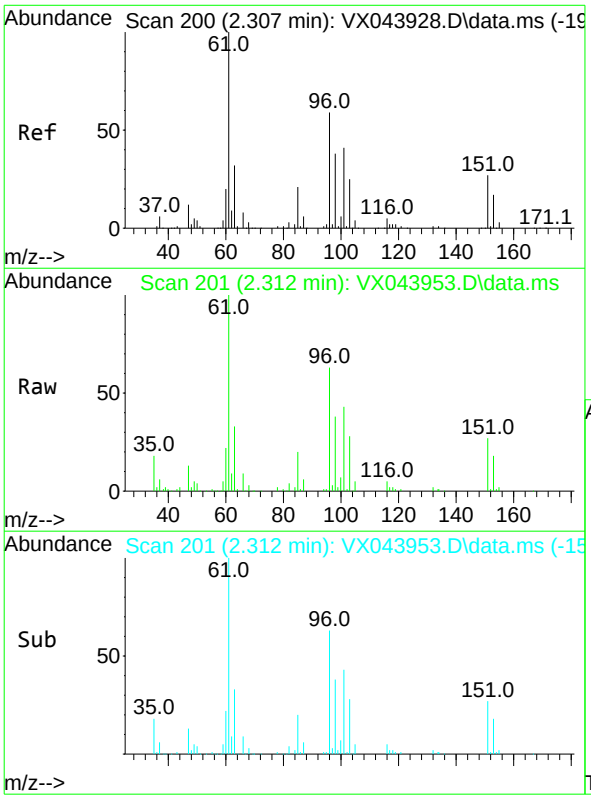
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

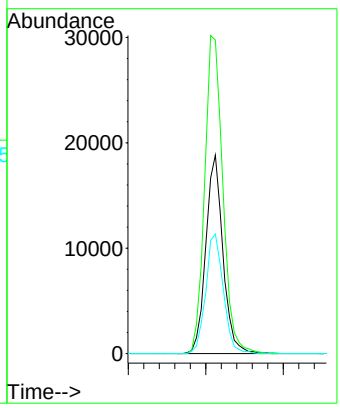
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

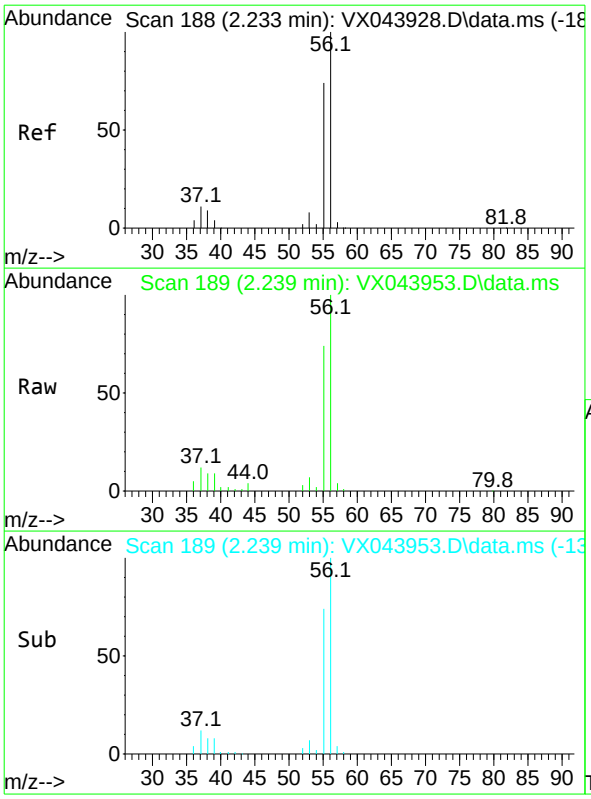


#12
1,1-Dichloroethene
Concen: 20.417 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 28927

Ion	Ratio	Lower	Upper
96	100		
61	158.0	135.5	203.3
98	60.3	50.8	76.2

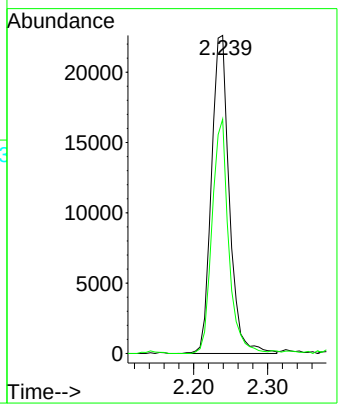




#13
Acrolein
Concen: 106.330 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 56 Resp: 37938

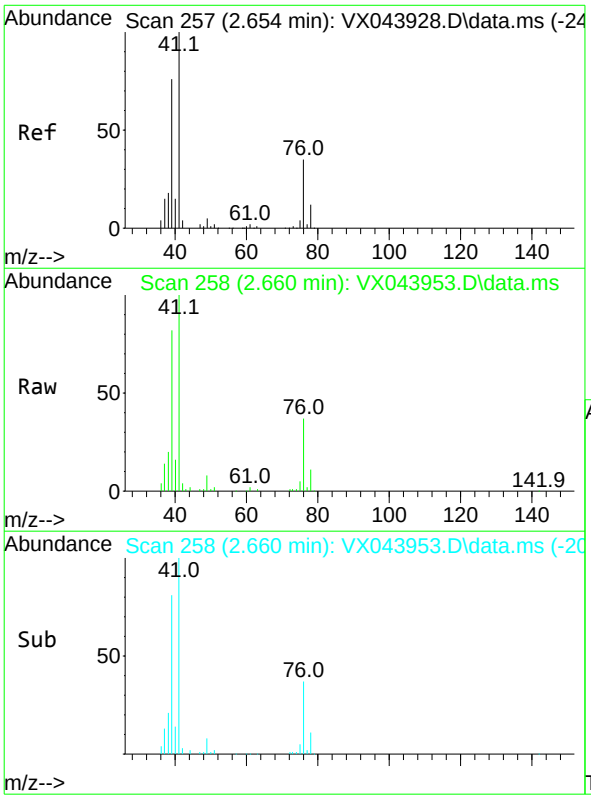
Ion	Ratio	Lower	Upper
56	100		
55	68.4	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

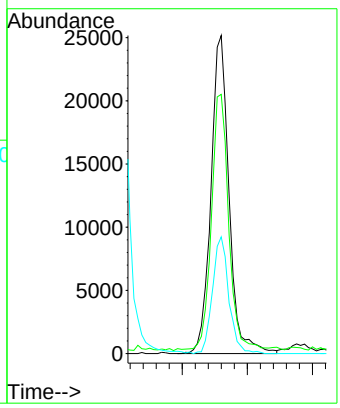
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

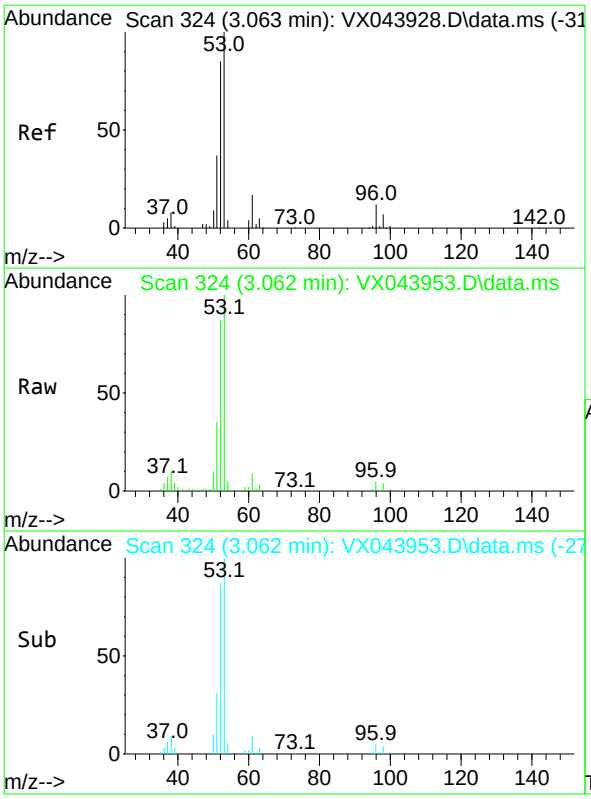


#14
Allyl chloride
Concen: 21.009 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 48638

Ion	Ratio	Lower	Upper
41	100		
39	77.4	59.5	89.3
76	33.1	27.4	41.2

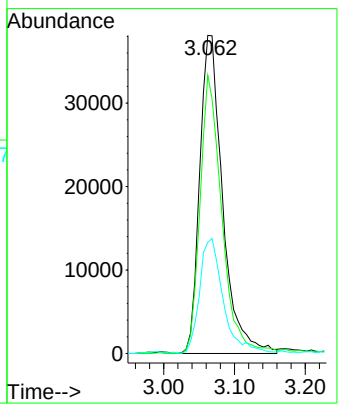




#15
Acrylonitrile
Concen: 103.970 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 53 Resp: 85765

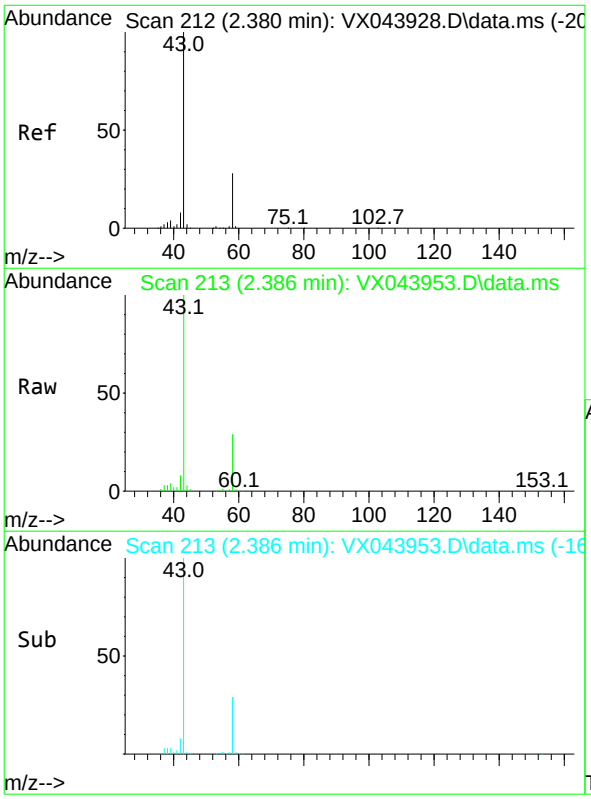
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	36.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

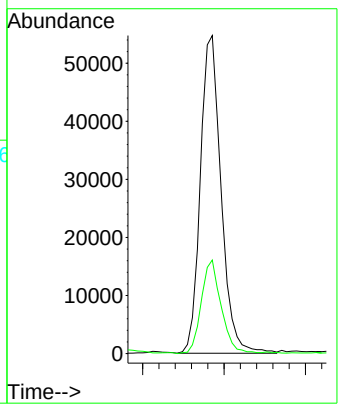
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

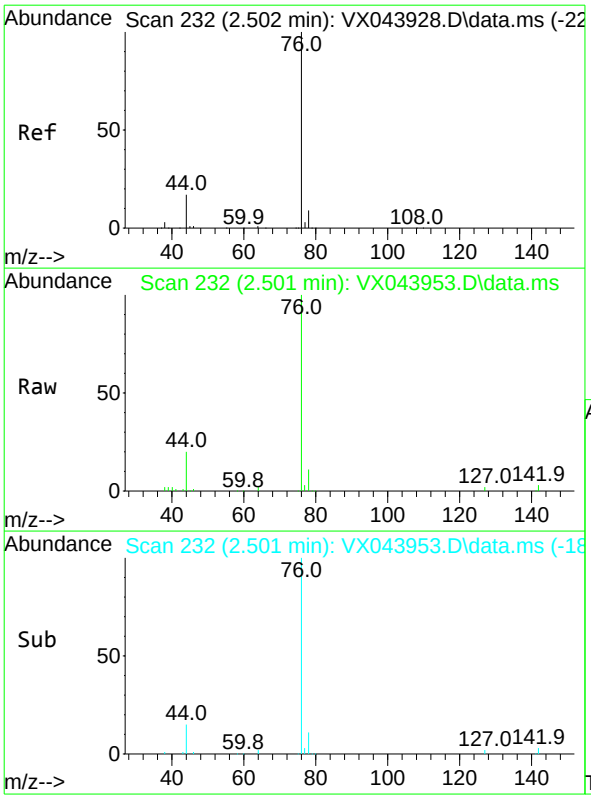


#16
Acetone
Concen: 99.942 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 96805

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.7	34.1





#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

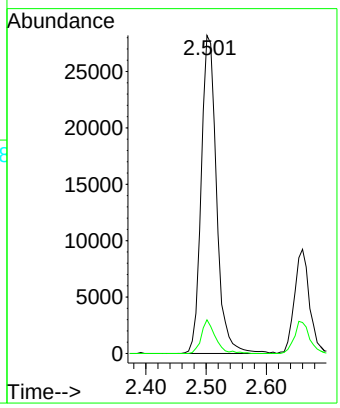
Tgt Ion: 76 Resp: 49804

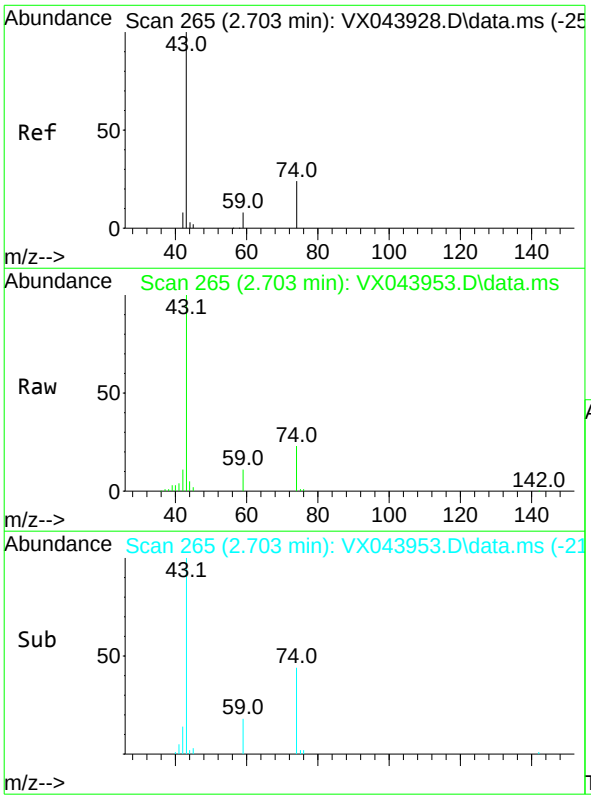
Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.0	10.6#

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

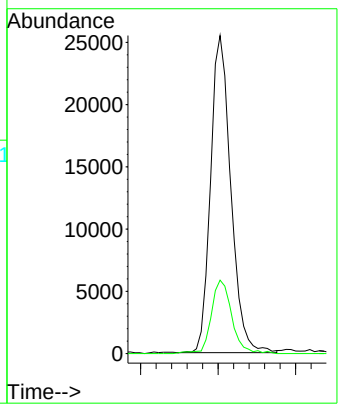


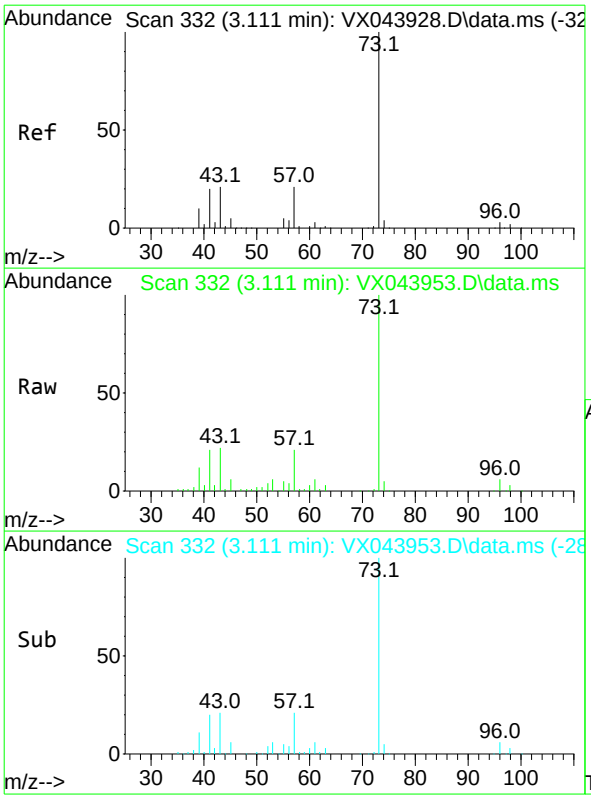


#18
Methyl Acetate
Concen: 20.512 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 46269

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3

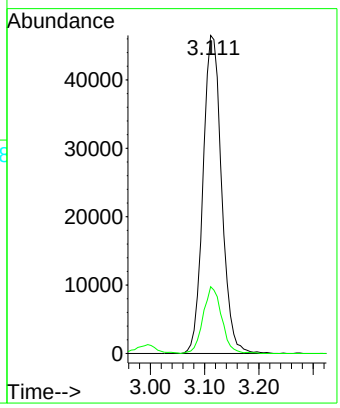




#19
Methyl tert-butyl Ether
Concen: 21.507 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 73 Resp: 110640

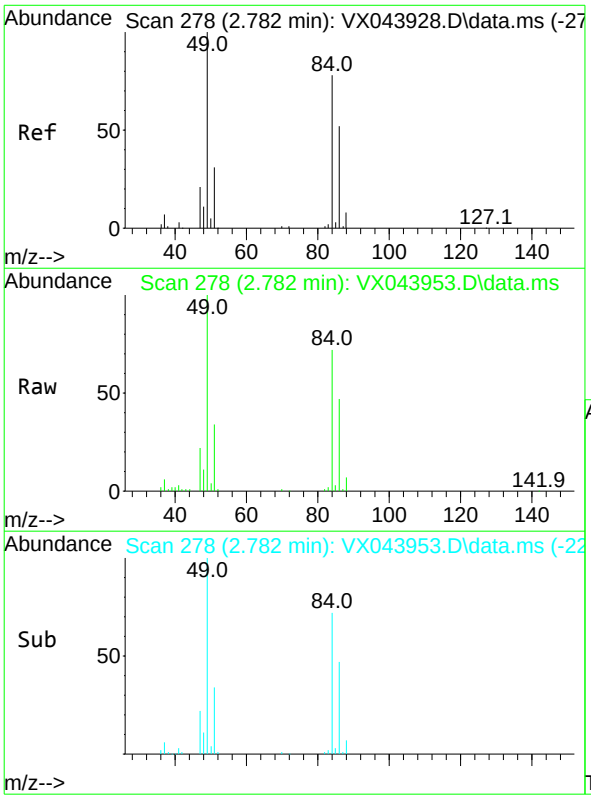
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

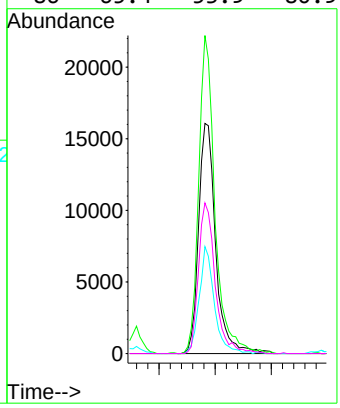
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

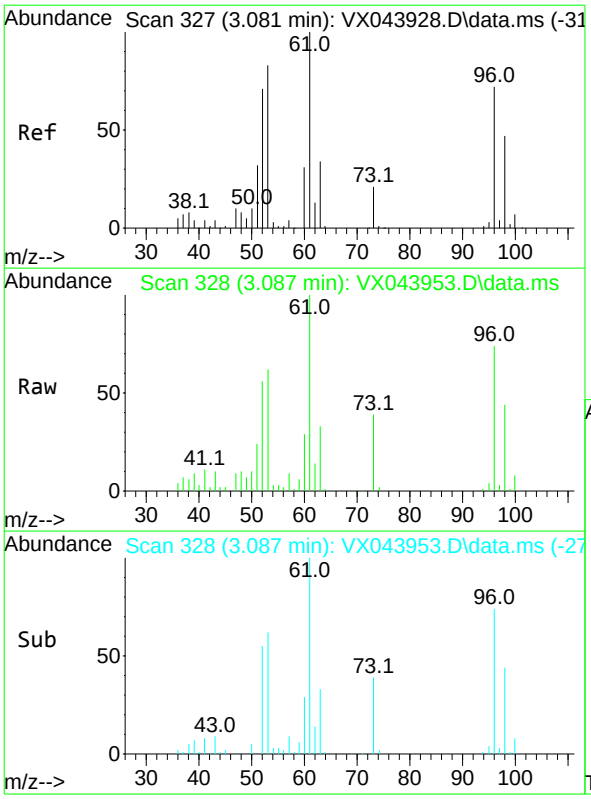


#20
Methylene Chloride
Concen: 20.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071

Ion	Ratio	Lower	Upper
84	100		
49	138.2	102.7	154.1
51	46.5	31.7	47.5
86	65.4	53.9	80.9

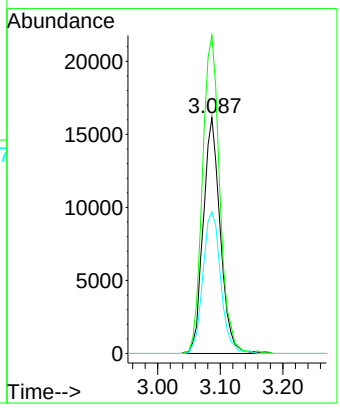




#21
trans-1,2-Dichloroethene
Concen: 20.871 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 30530

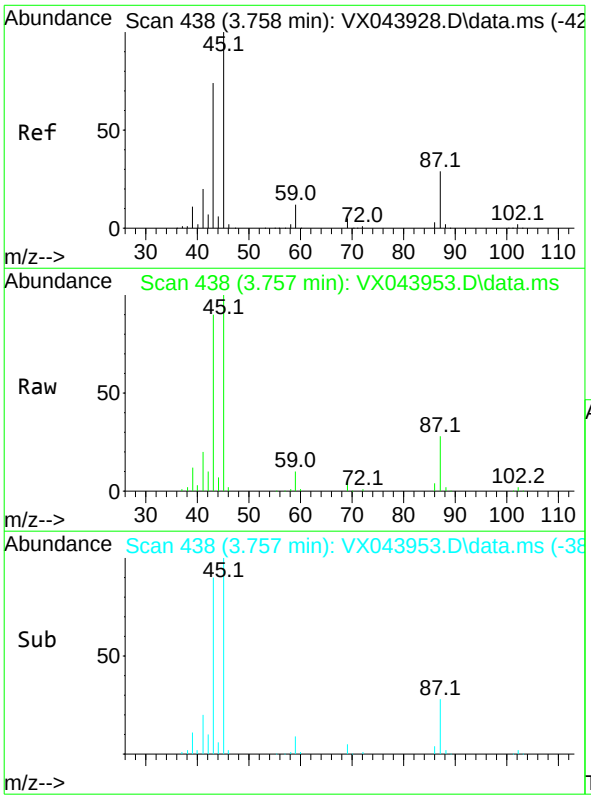
Ion	Ratio	Lower	Upper
96	100		
61	134.8	111.8	167.6
98	59.9	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

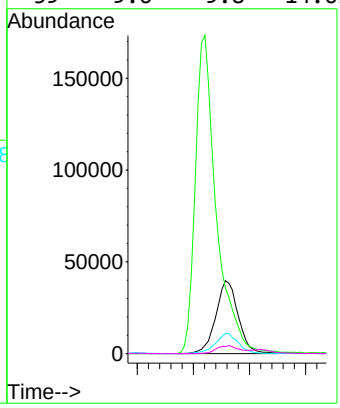
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

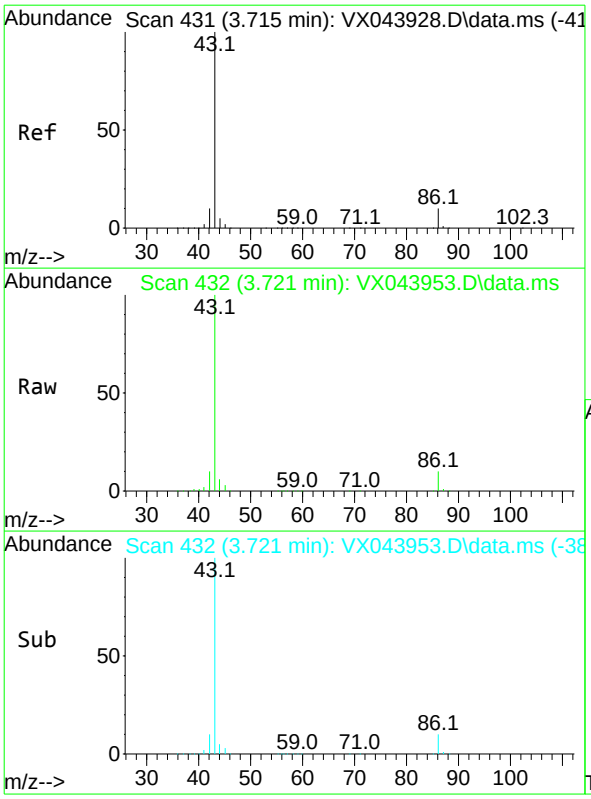


#22
Diisopropyl ether
Concen: 22.124 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520

Ion	Ratio	Lower	Upper
45	100		
43	89.8	59.6	89.4#
87	27.5	22.9	34.3
59	9.6	9.8	14.6#

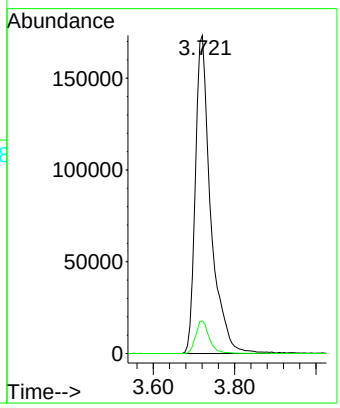




#23
Vinyl Acetate
Concen: 107.047 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 453316

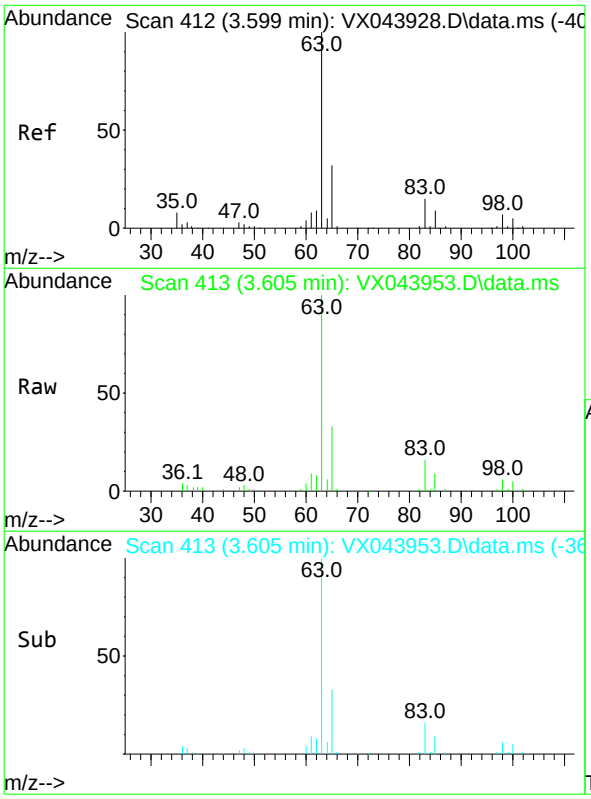
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

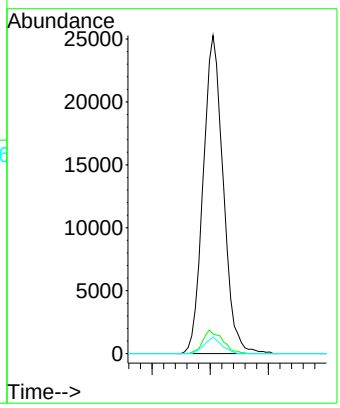
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

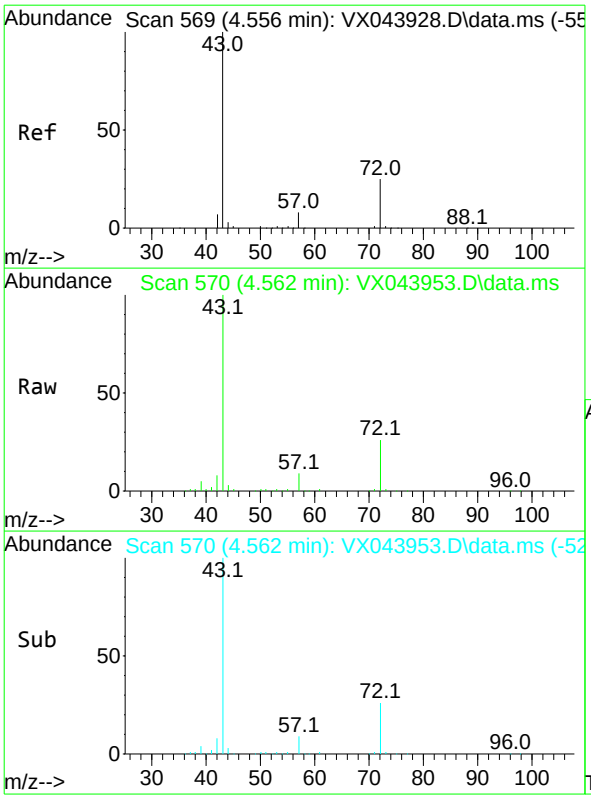


#24
1,1-Dichloroethane
Concen: 21.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 60662

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	5.2	2.4	7.1

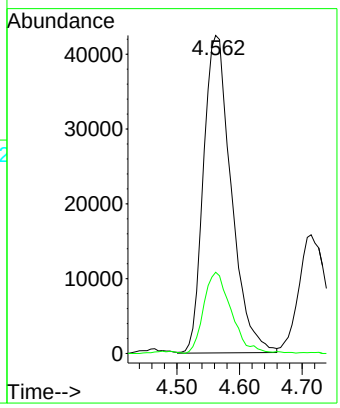




#25
2-Butanone
Concen: 104.675 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 130824

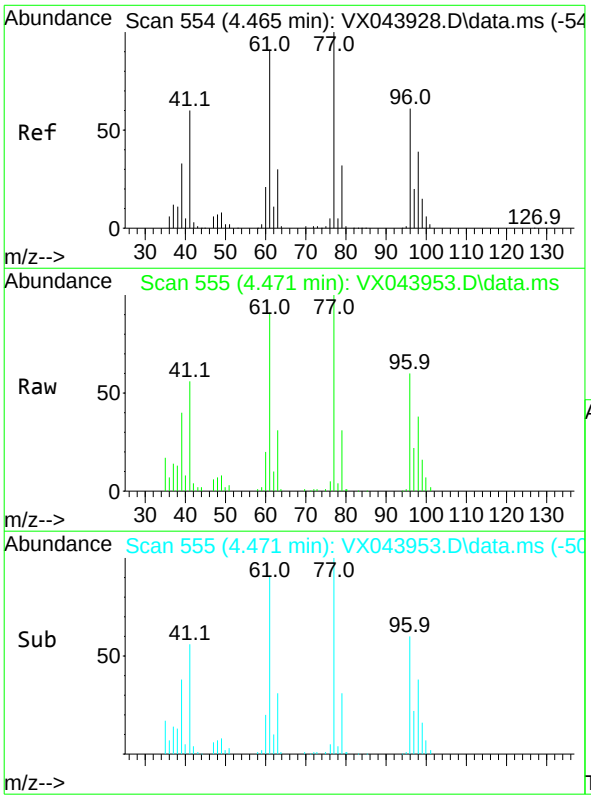
Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

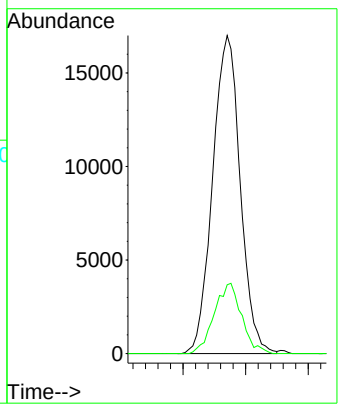
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

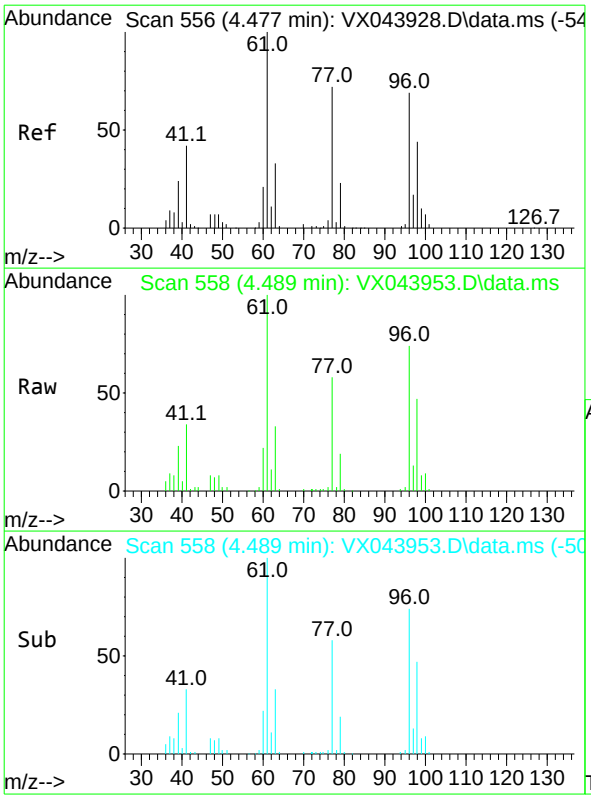


#26
2,2-Dichloropropane
Concen: 20.178 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 77 Resp: 52043

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

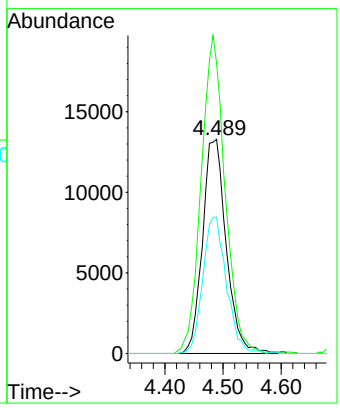




#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 37579

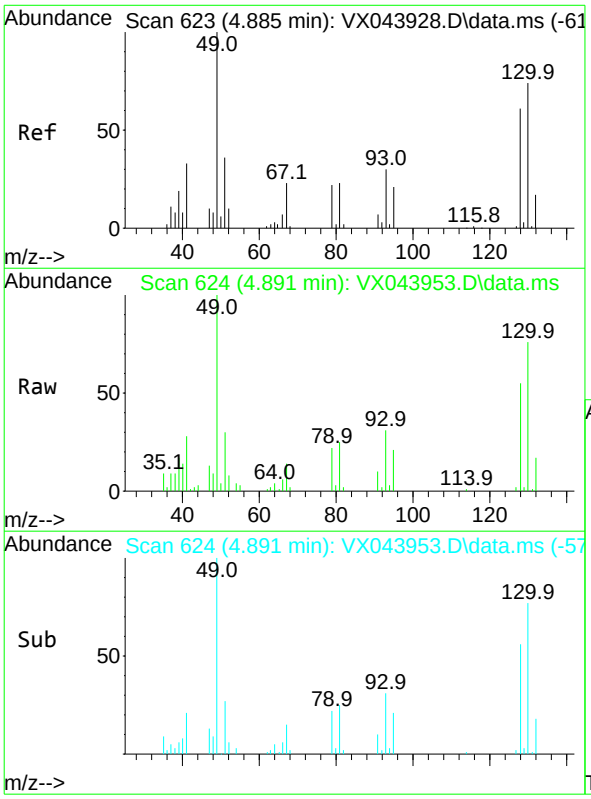
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	297.4
98	63.7	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

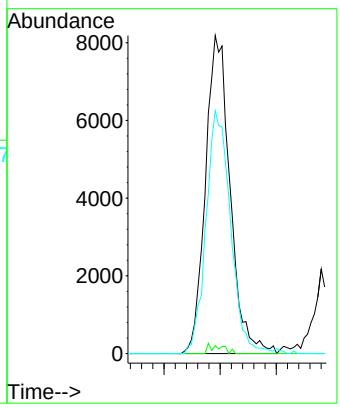
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

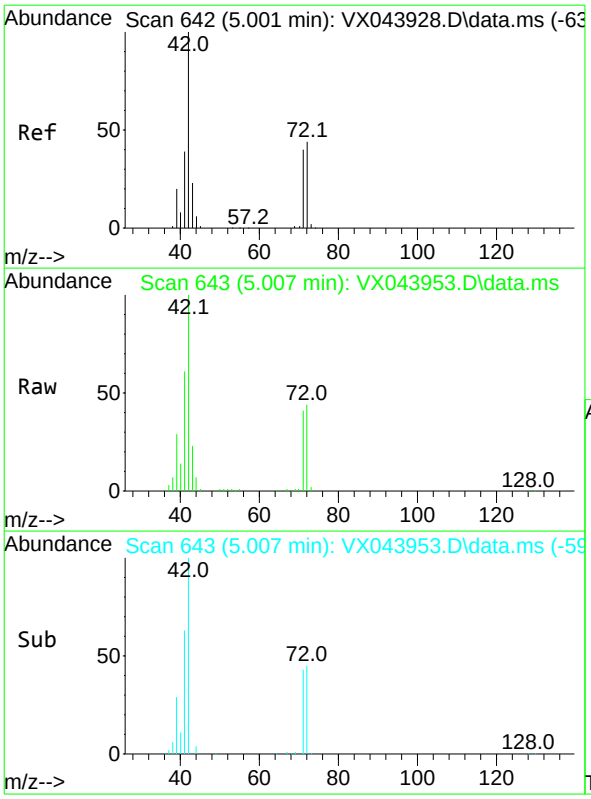


#28
Bromochloromethane
Concen: 19.846 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 49 Resp: 24947

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.0
130	76.0	59.0	88.6

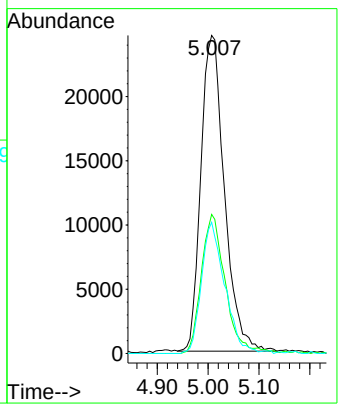




#29
Tetrahydrofuran
Concen: 103.164 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 42 Resp: 79046

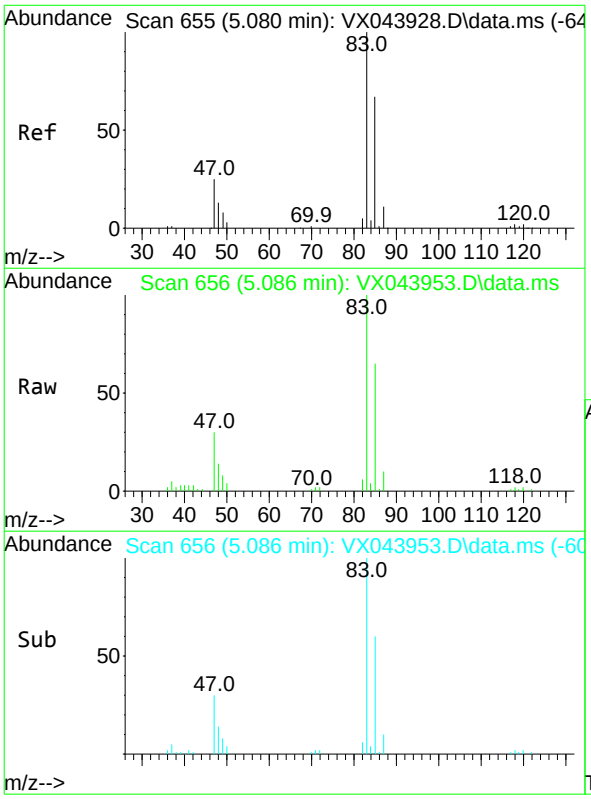
Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.4	54.6
71	40.9	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

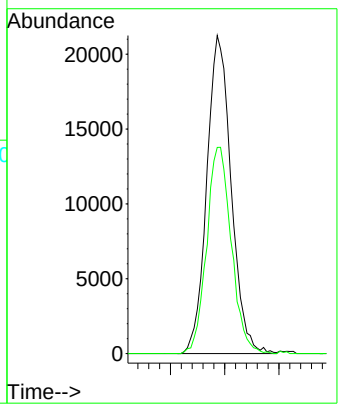
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

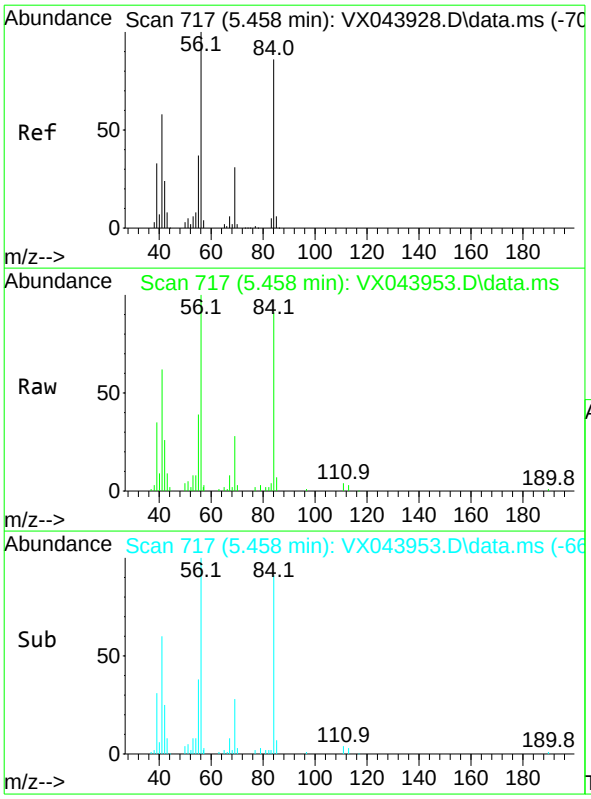


#30
Chloroform
Concen: 21.602 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 66350

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3

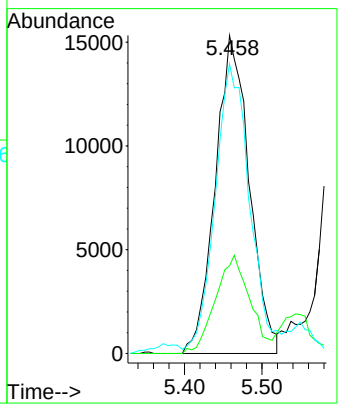




#31
Cyclohexane
Concen: 19.867 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 56 Resp: 46697

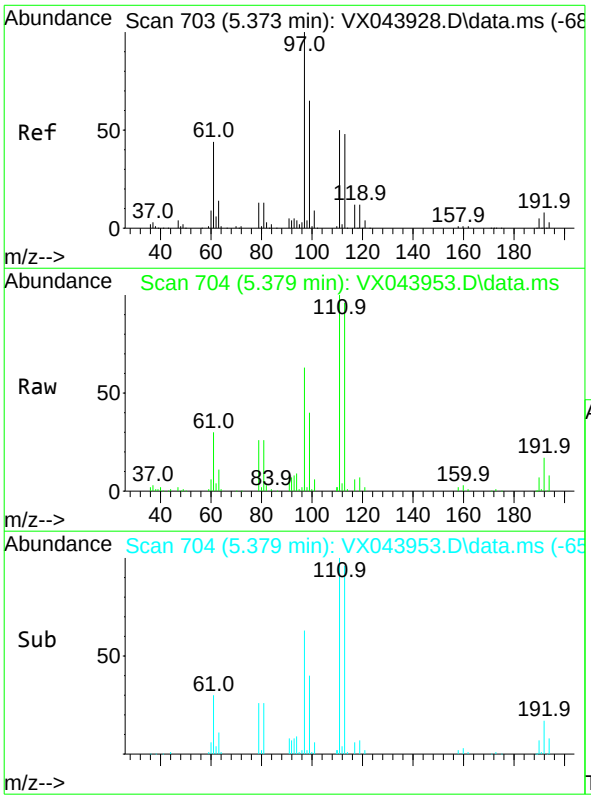
Ion	Ratio	Lower	Upper
56	100		
69	27.5	24.7	37.1
84	88.5	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

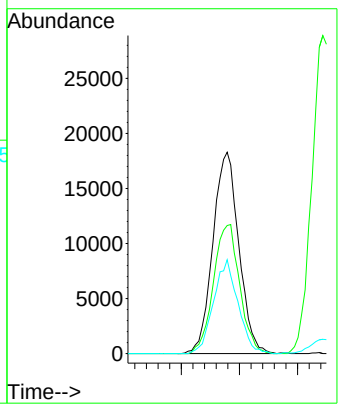
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

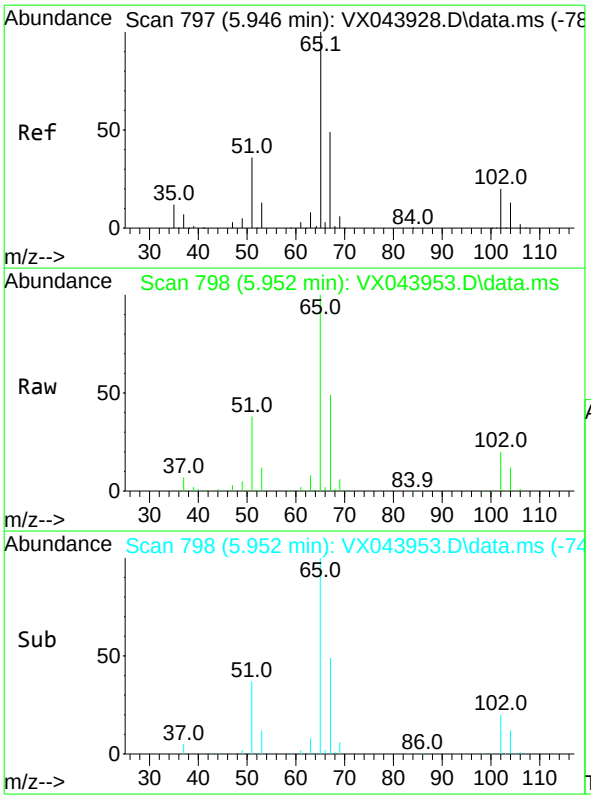


#32
1,1,1-Trichloroethane
Concen: 21.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 56657

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	43.9	35.4	53.2

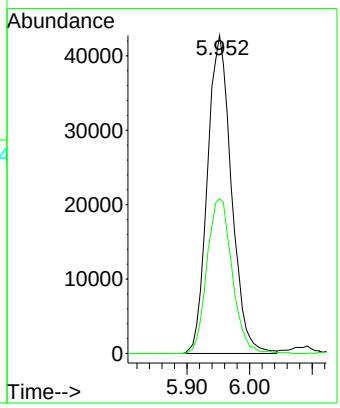




#33
1,2-Dichloroethane-d4
Concen: 53.986 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 65 Resp: 113852

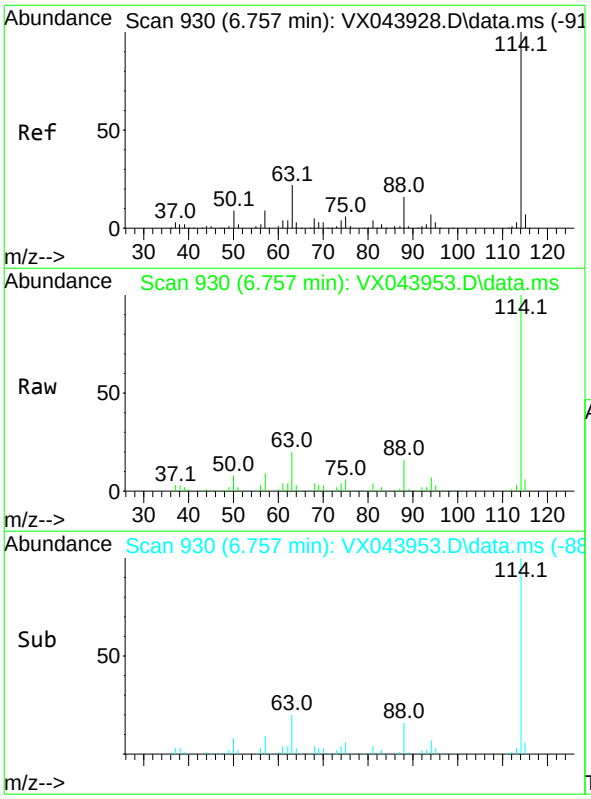
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

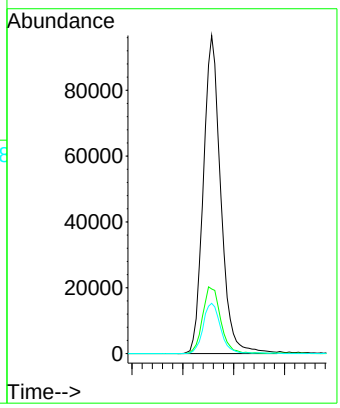
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

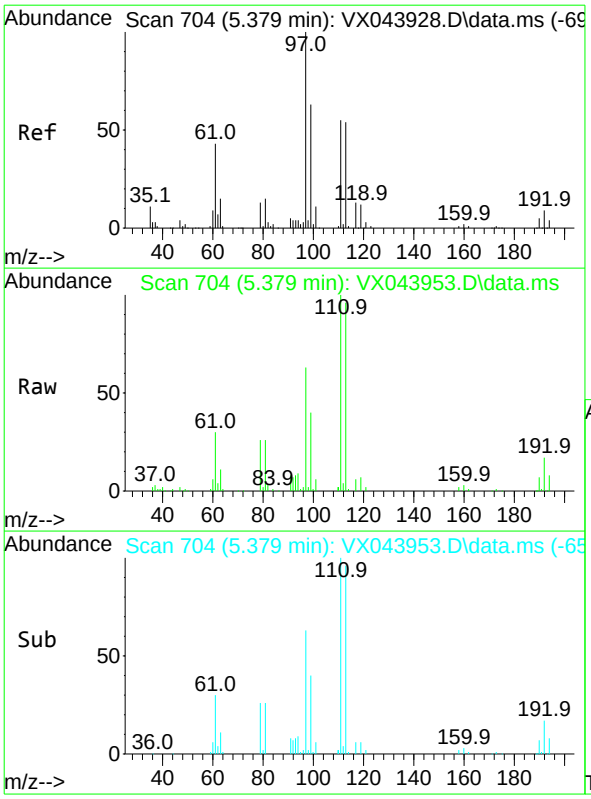


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:114 Resp: 229417

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.8	0.0	32.4

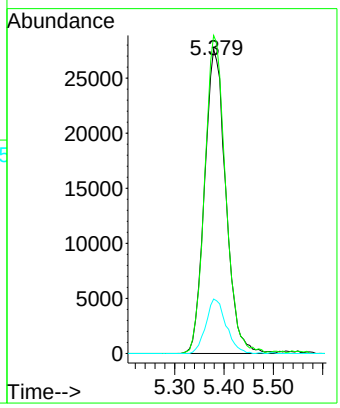




#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:113 Resp: 82706

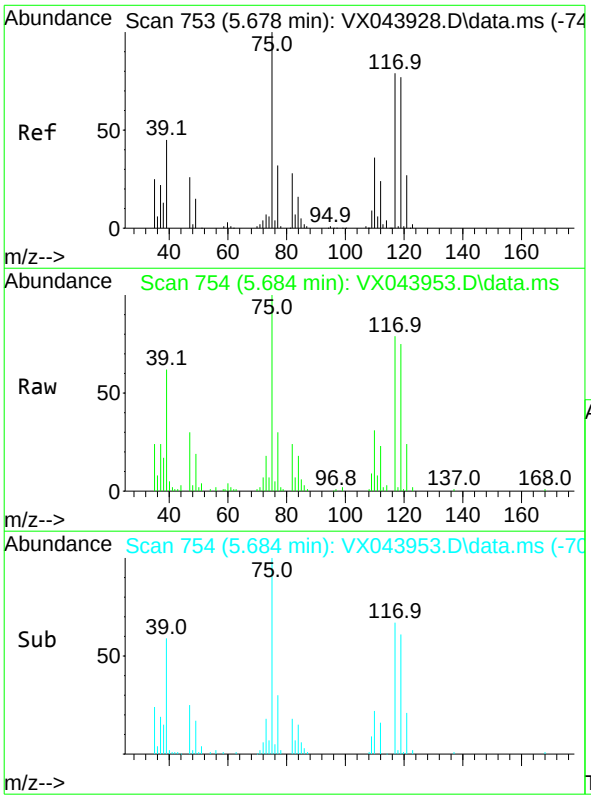
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.4
192	17.0	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

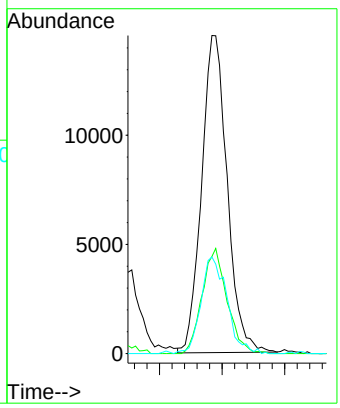
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

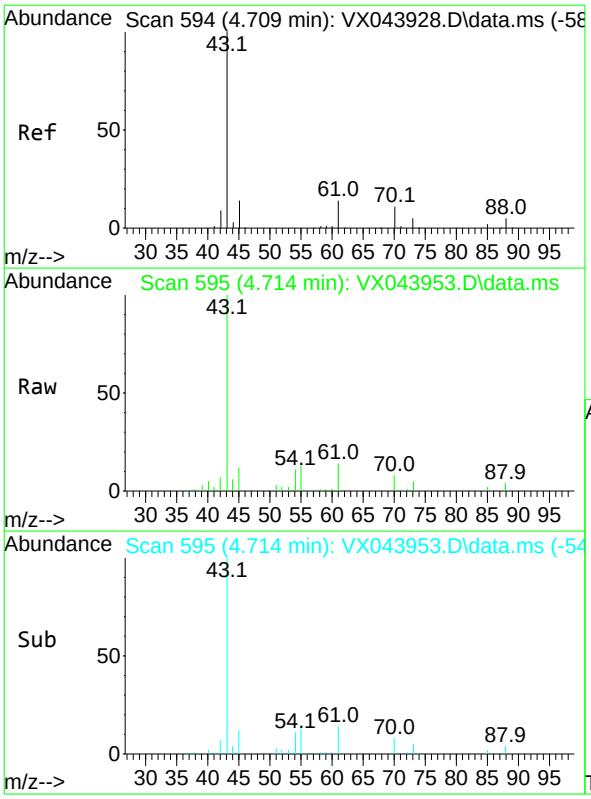


#36
1,1-Dichloropropene
Concen: 20.185 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234

Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.4	52.2
77	31.0	25.8	38.8

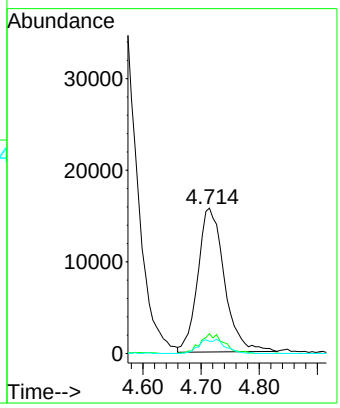




#37
Ethyl Acetate
Concen: 19.620 ug/l
RT: 4.714 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 49752

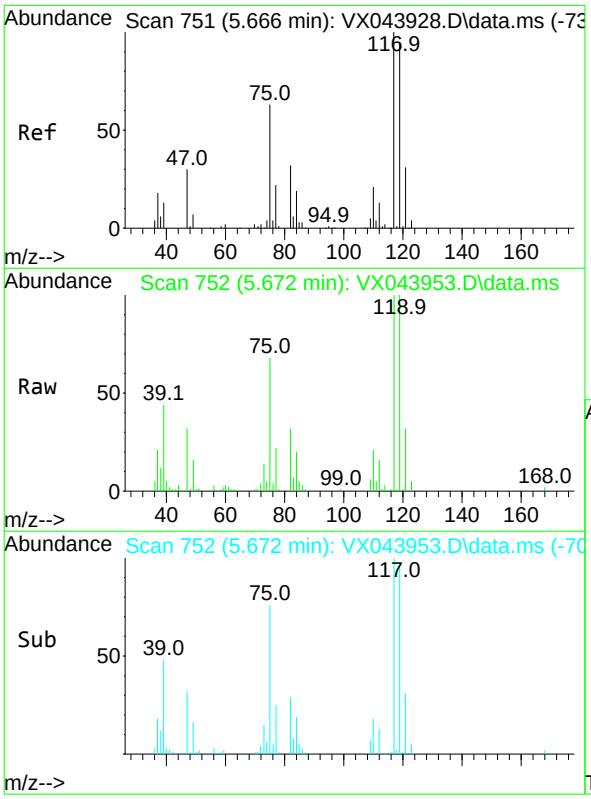
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	4.4	8.0	12.0#



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

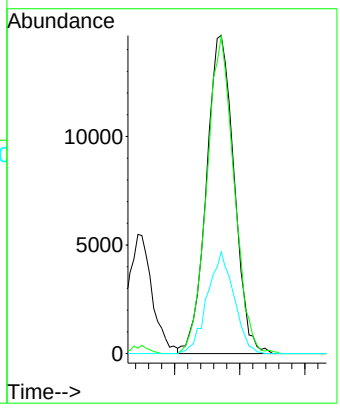
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

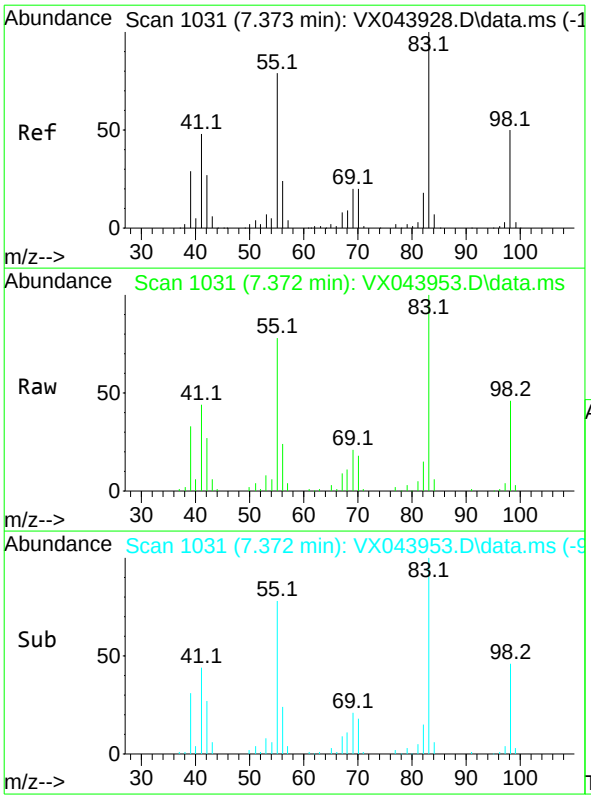


#38
Carbon Tetrachloride
Concen: 18.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 43324

Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.2	112.8
121	32.0	24.5	36.7

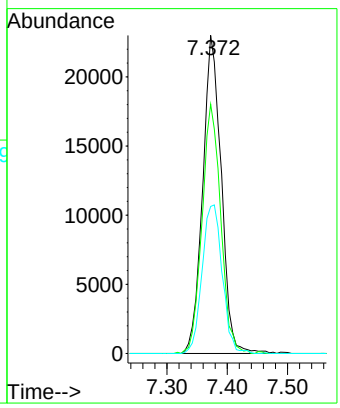




#39
Methylcyclohexane
Concen: 18.550 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 49229

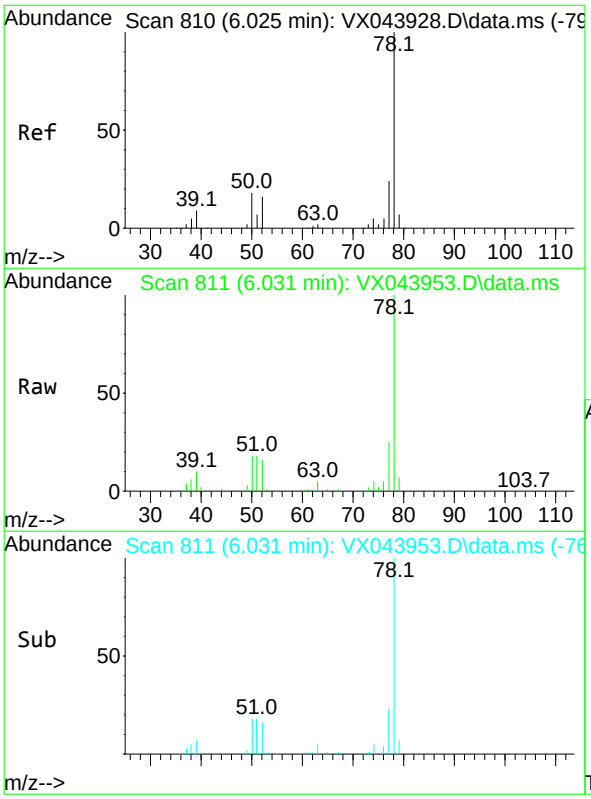
Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.1	94.7
98	46.2	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

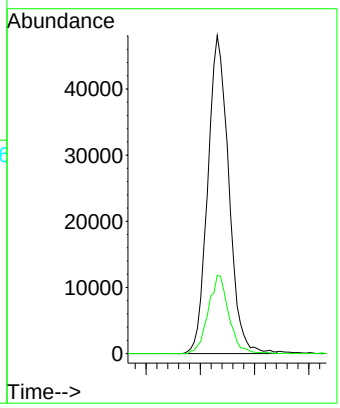
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

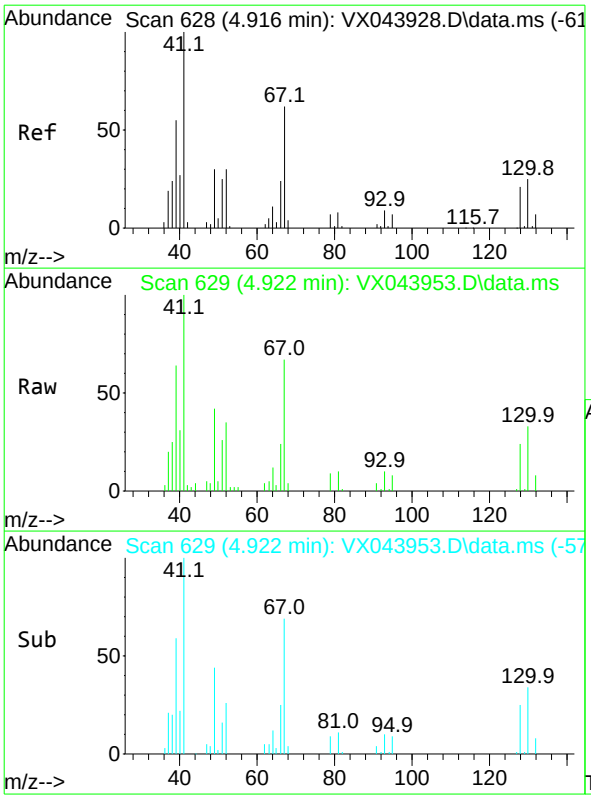


#40
Benzene
Concen: 20.319 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 78 Resp: 129291

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8

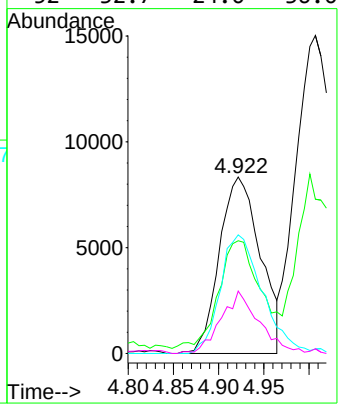




#41
Methacrylonitrile
Concen: 20.295 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 26340

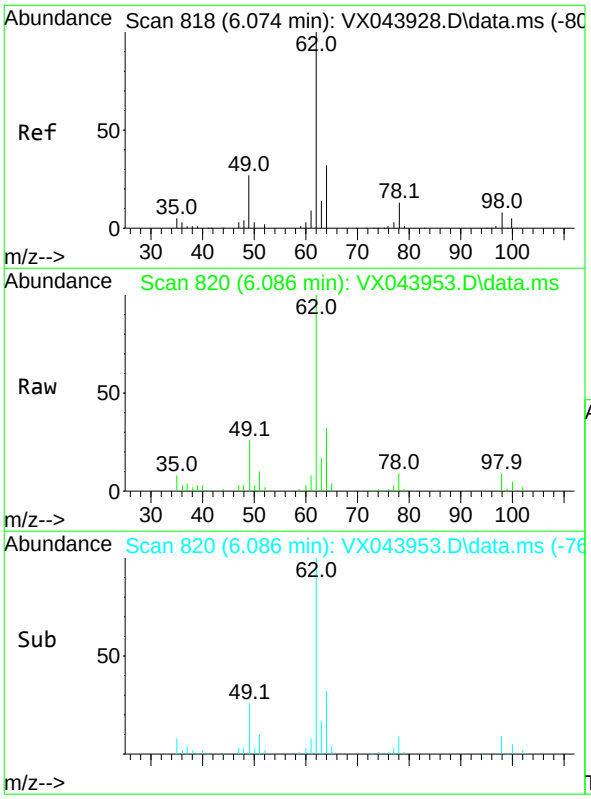
Ion	Ratio	Lower	Upper
41	100		
39	63.4	41.7	62.5#
67	69.9	55.8	83.8
52	32.7	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

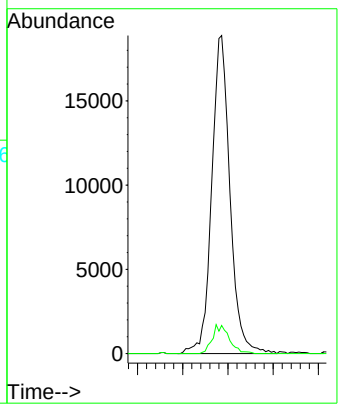
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

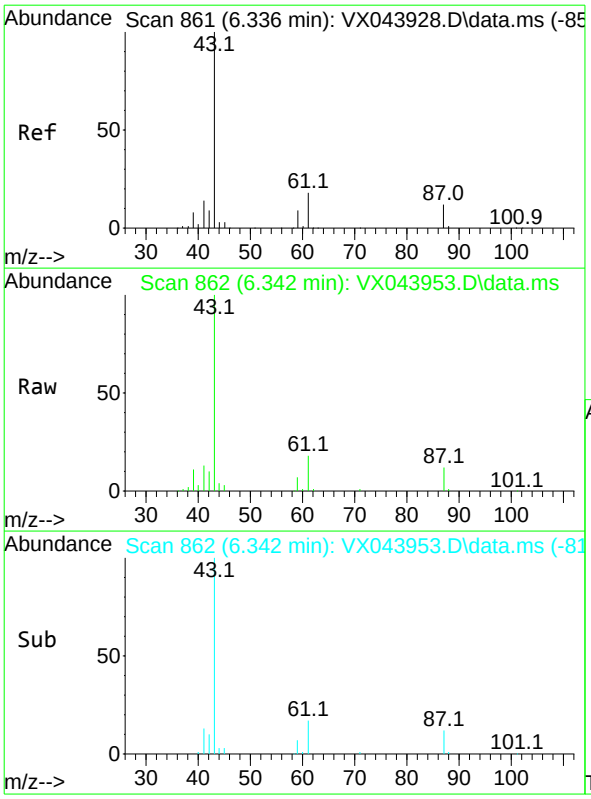


#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 52905

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4

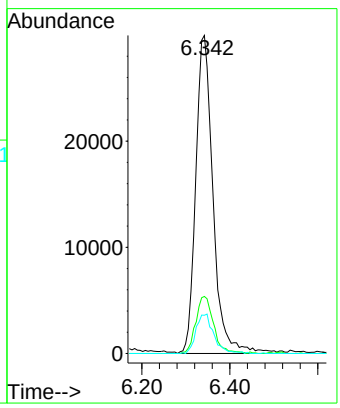




#43
Isopropyl Acetate
Concen: 20.264 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 81776

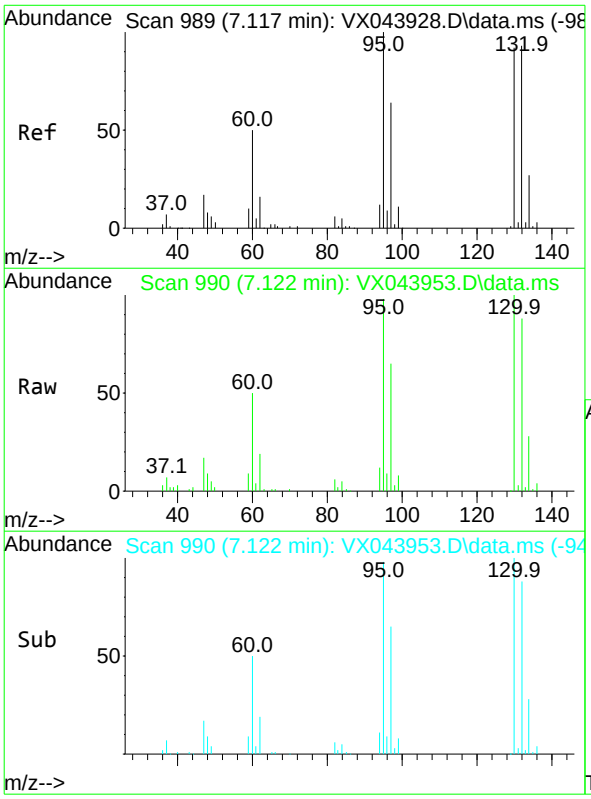
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

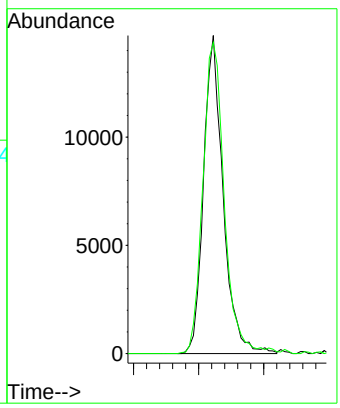
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

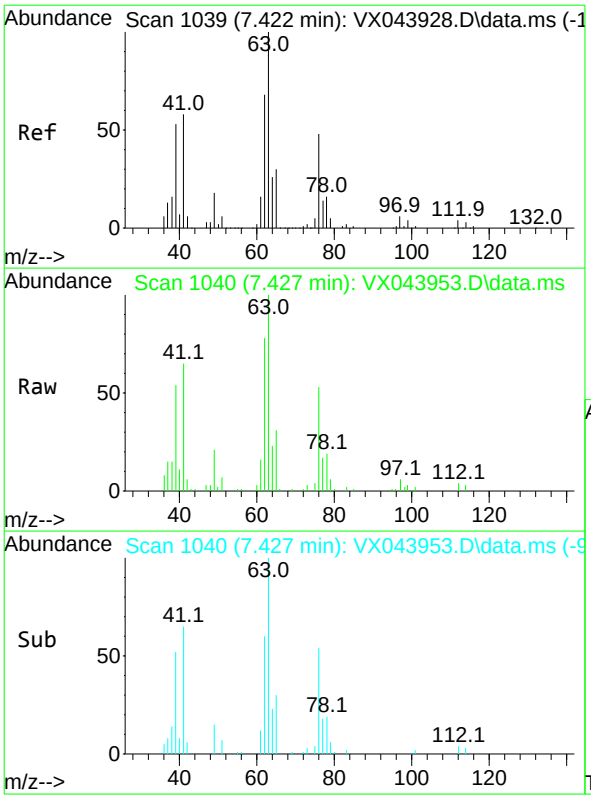


#44
Trichloroethene
Concen: 16.978 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:130 Resp: 30582

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	217.8

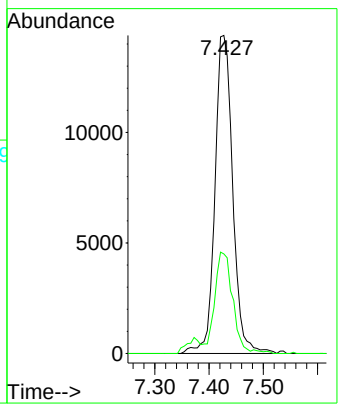




#45
1,2-Dichloropropane
Concen: 21.032 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 32777

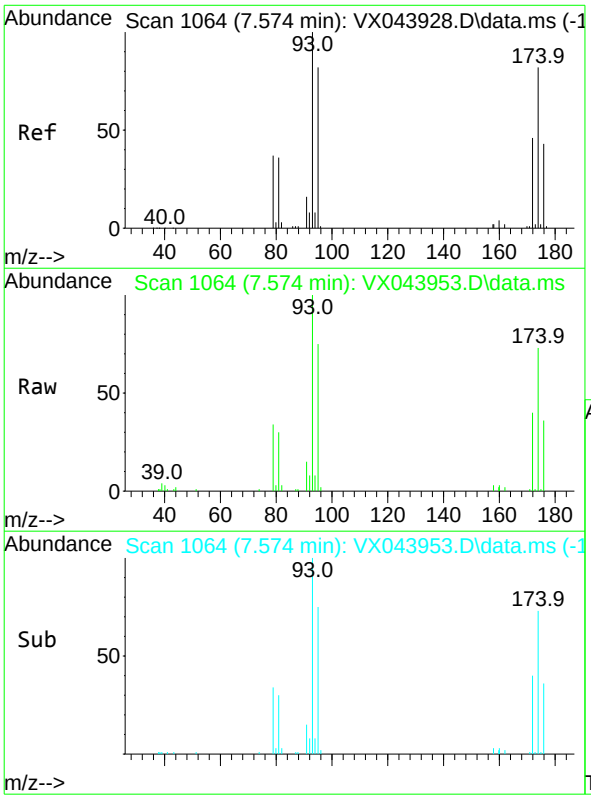
Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

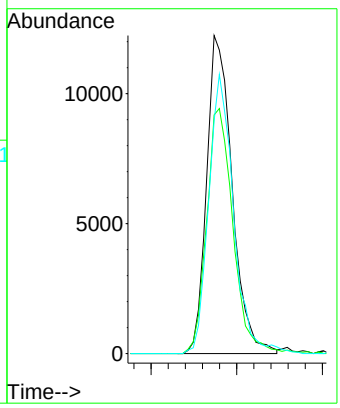
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

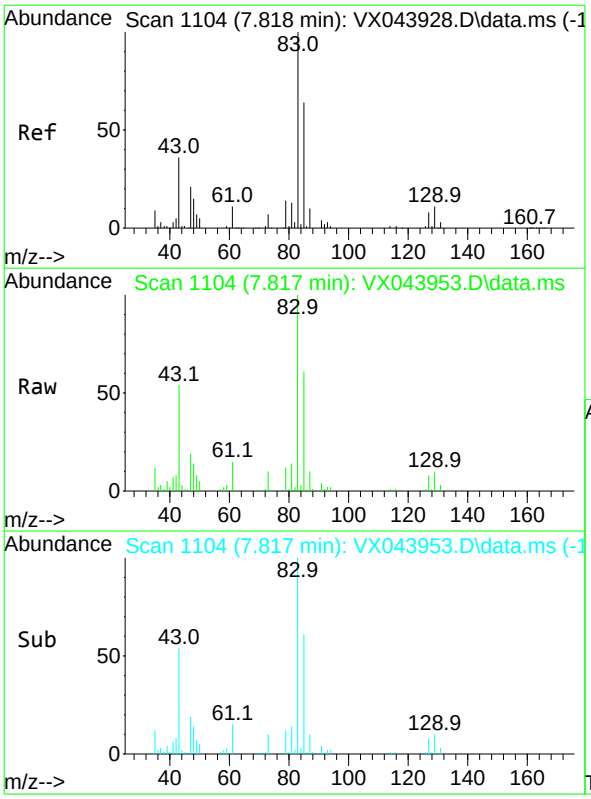


#46
Dibromomethane
Concen: 20.535 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 93 Resp: 25316

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.2	99.4
174	85.6	69.6	104.4

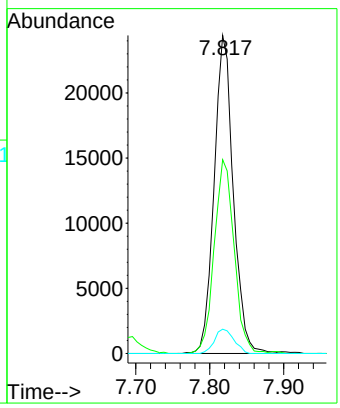




#47
Bromodichloromethane
Concen: 19.866 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 43925

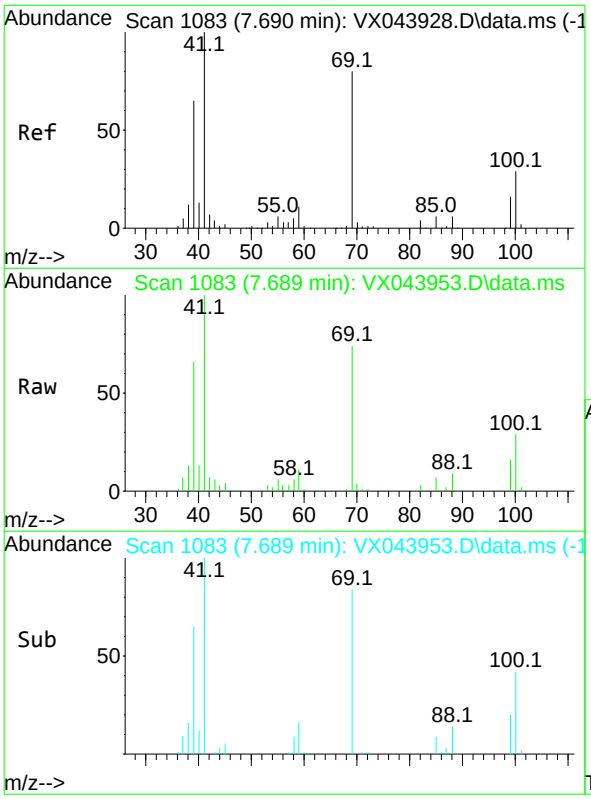
Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.4	77.0
127	7.6	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

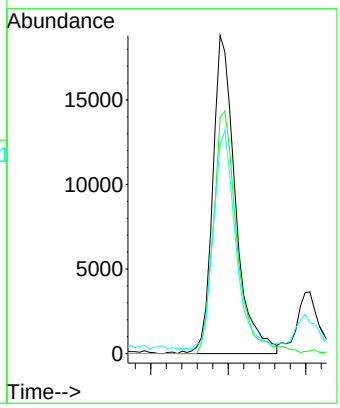
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

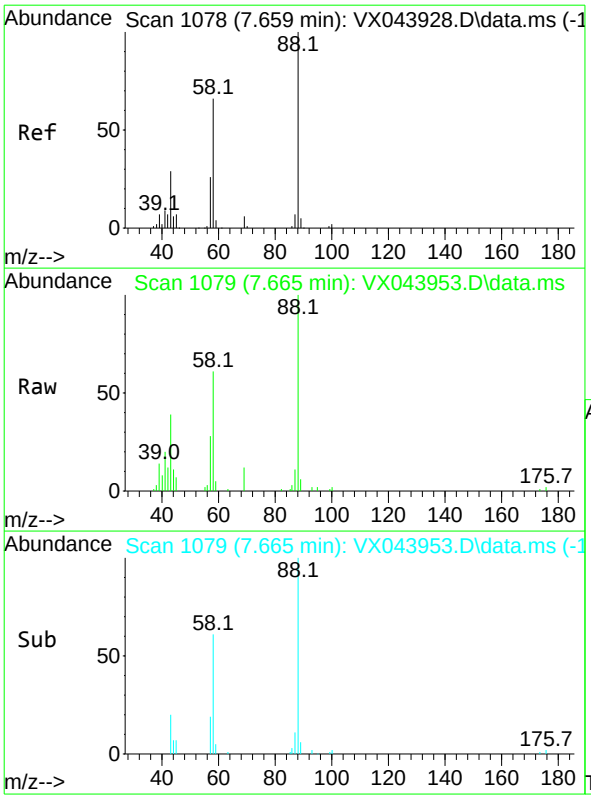


#48
Methyl methacrylate
Concen: 19.741 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 38226

Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.6	97.0
39	66.8	53.3	79.9

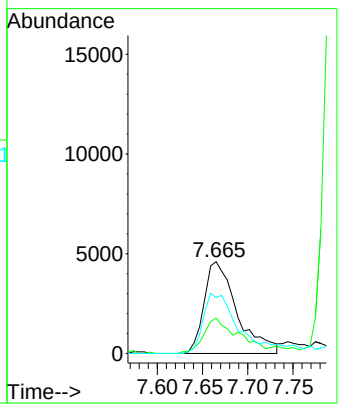




#49
1,4-Dioxane
Concen: 338.011 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 88 Resp: 11659

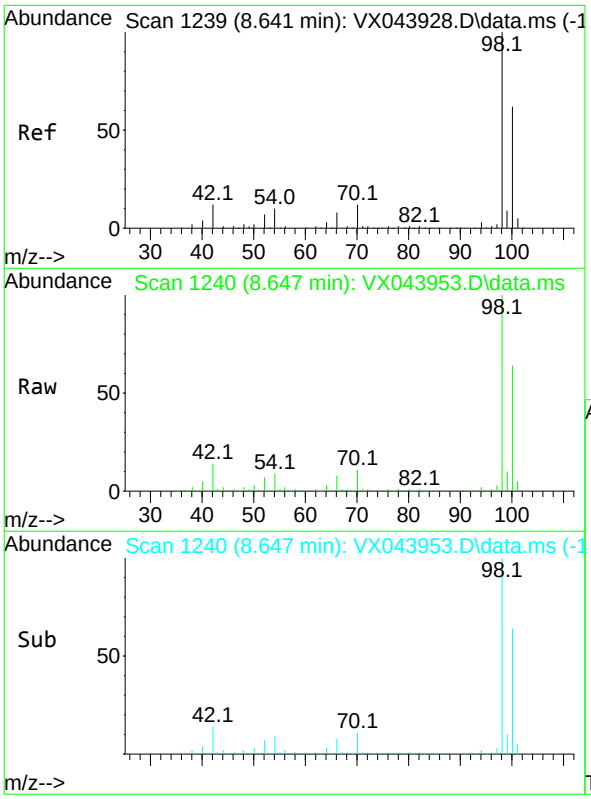
Ion	Ratio	Lower	Upper
88	100		
43	41.6	26.8	40.2#
58	74.4	45.4	68.2#



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

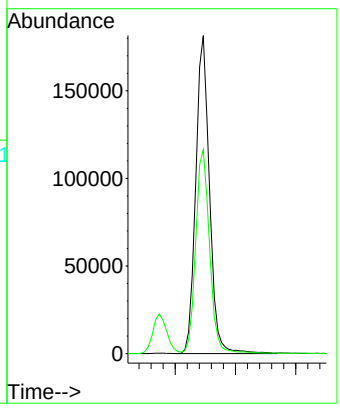
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

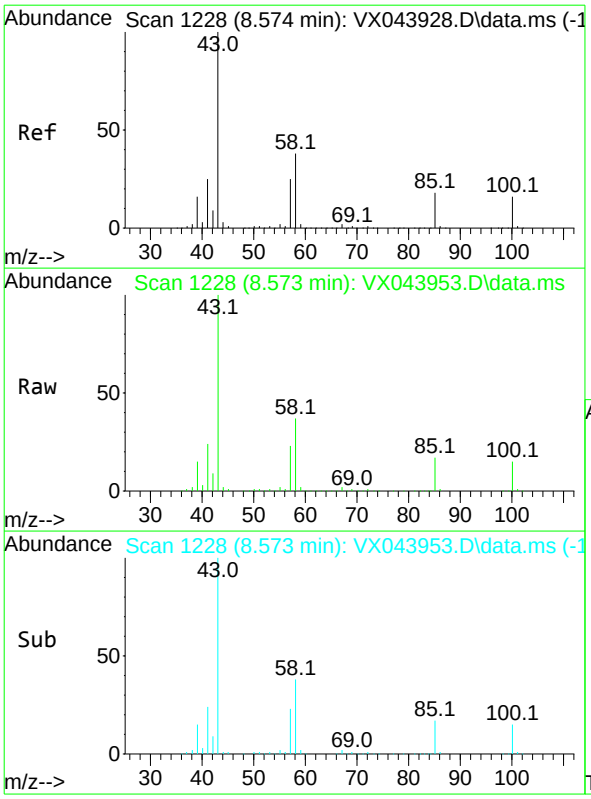


#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 98 Resp: 287688

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0

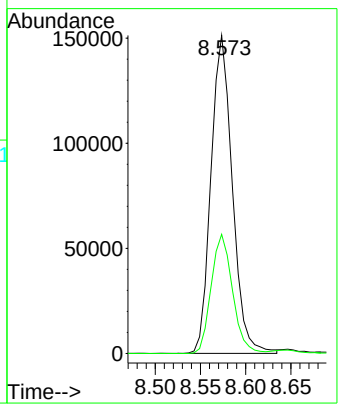




#51
4-Methyl-2-Pentanone
Concen: 100.883 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 248440

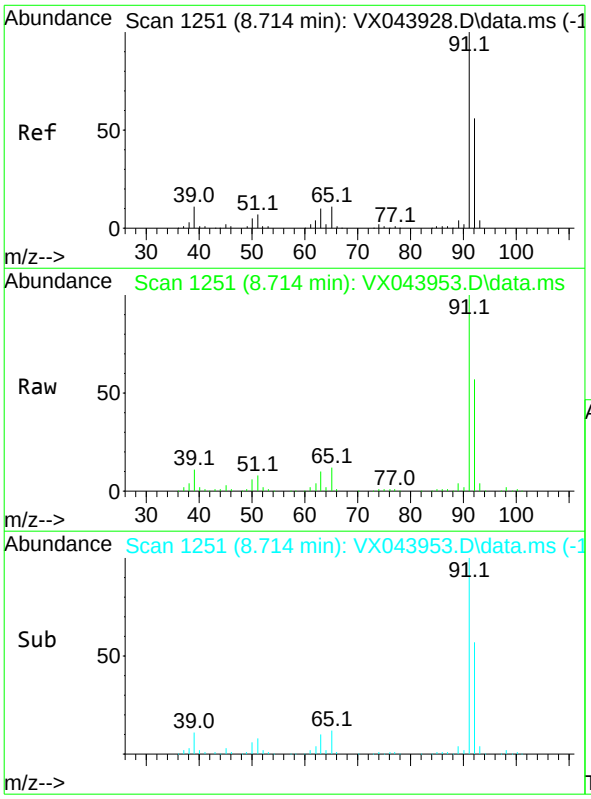
Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

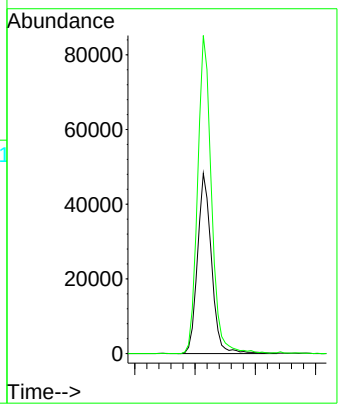
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

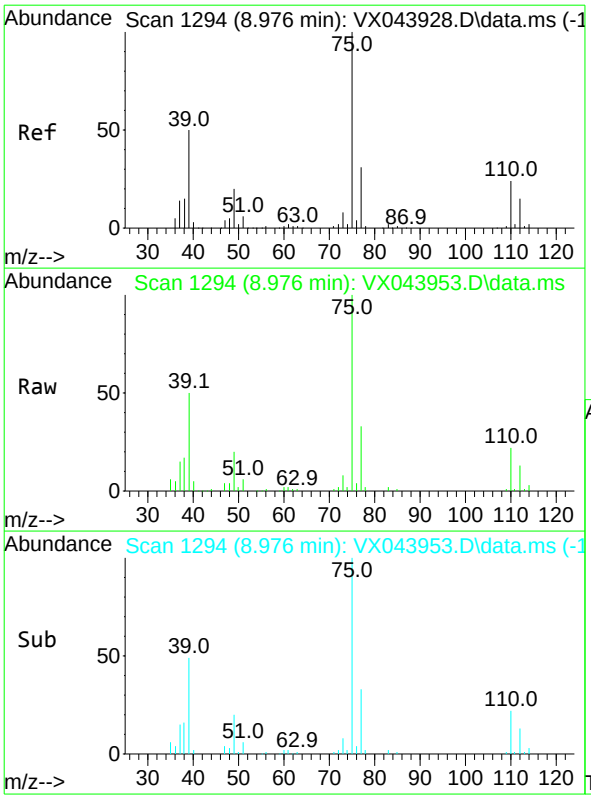


#52
Toluene
Concen: 20.351 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 92 Resp: 77505

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.7	209.5

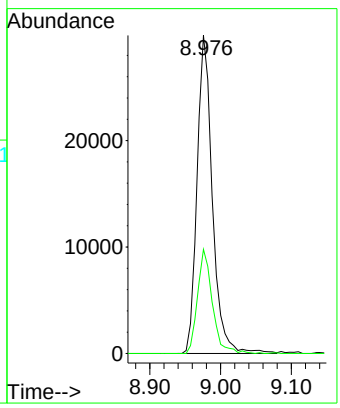




#53
t-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 45015

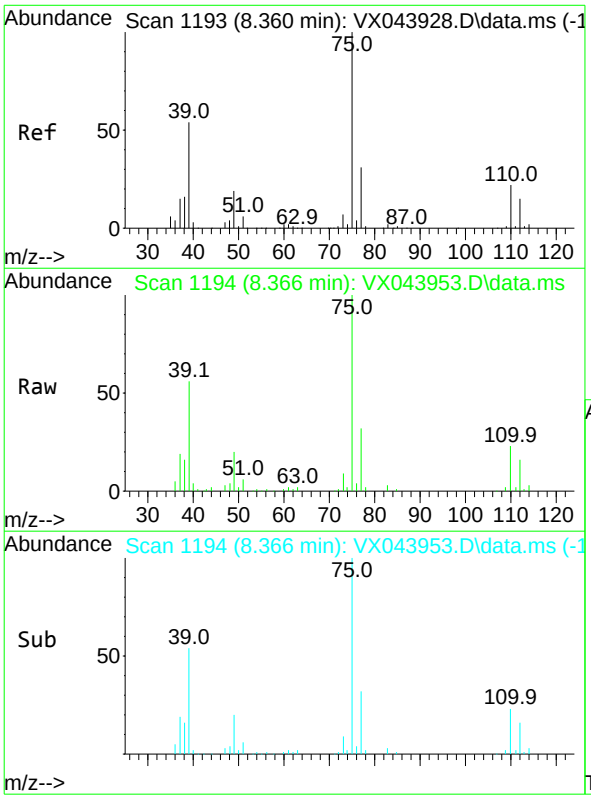
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

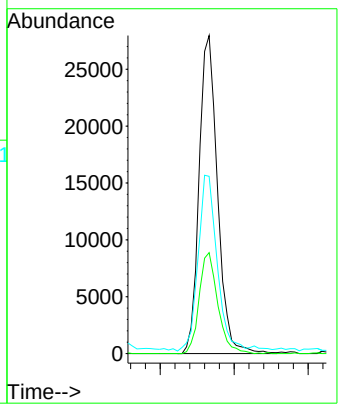
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

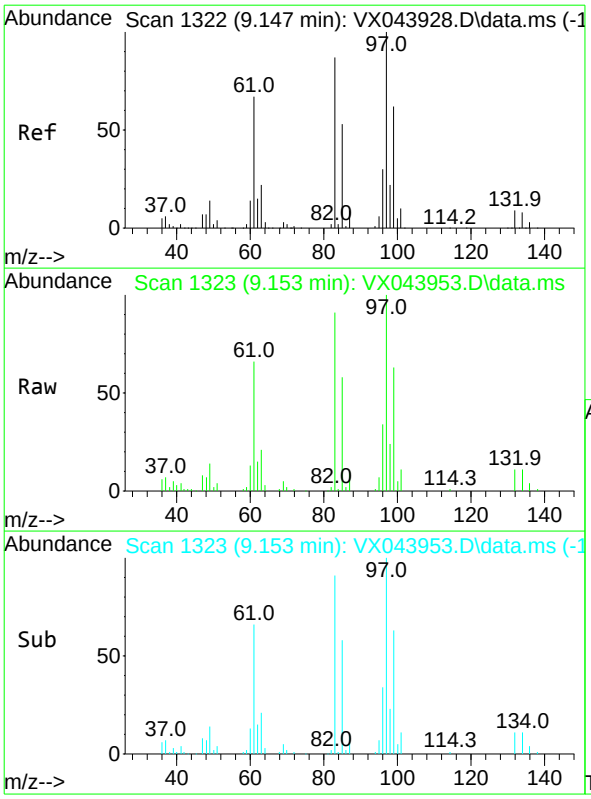


#54
cis-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 48377

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	54.9	43.1	64.7

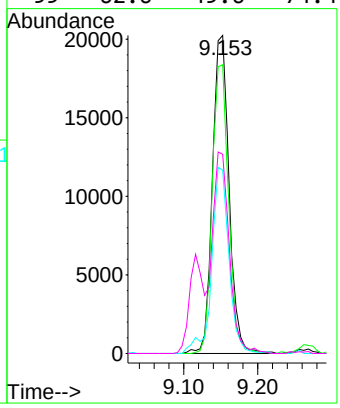




#55
1,1,2-Trichloroethane
Concen: 20.126 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 31640

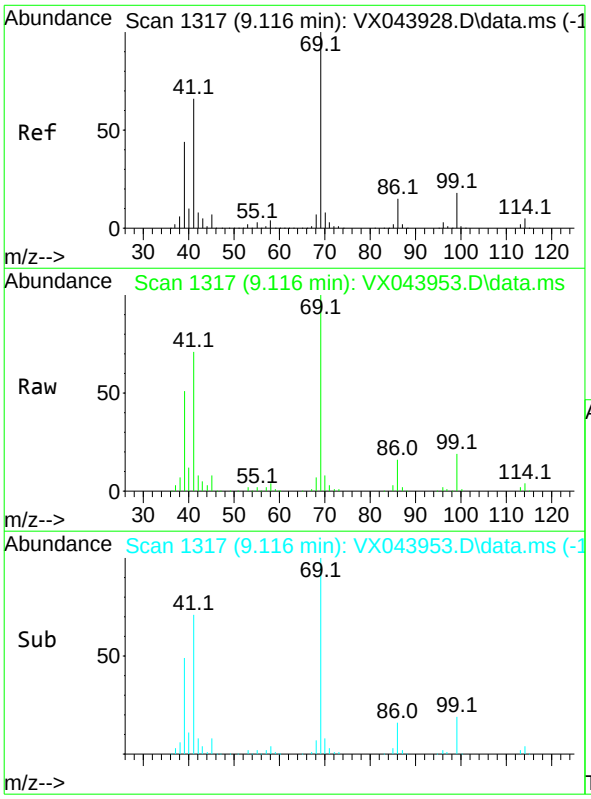
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.0
85	57.7	42.3	63.5
99	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

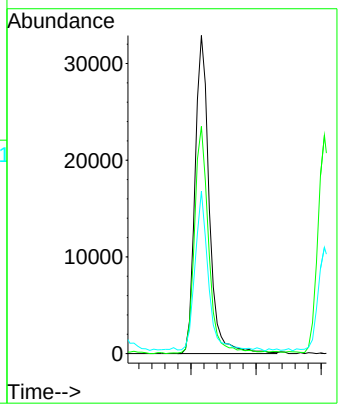
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

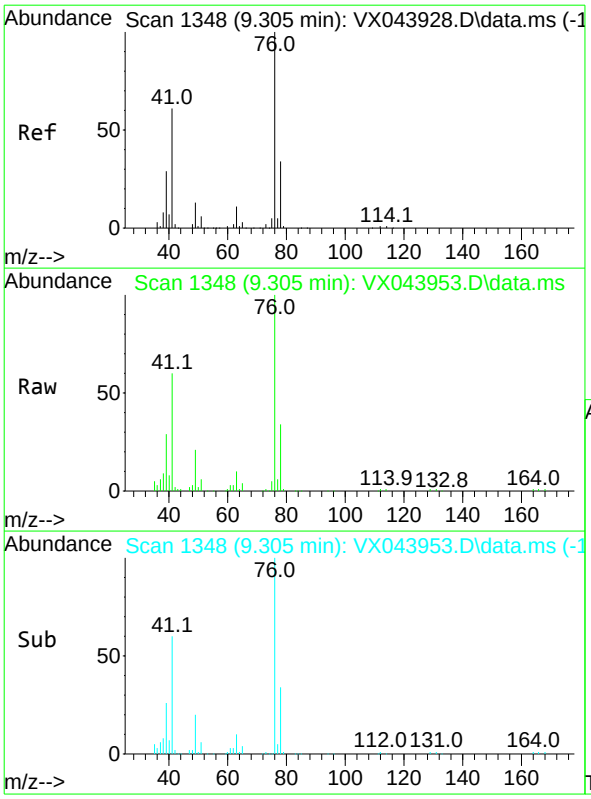


#56
Ethyl methacrylate
Concen: 20.380 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 69 Resp: 49905

Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.8	83.8
39	47.7	36.7	55.1

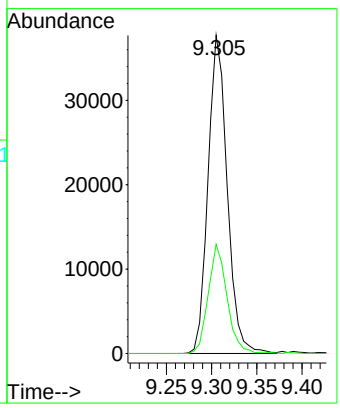




#57
1,3-Dichloropropane
Concen: 20.993 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 76 Resp: 55597

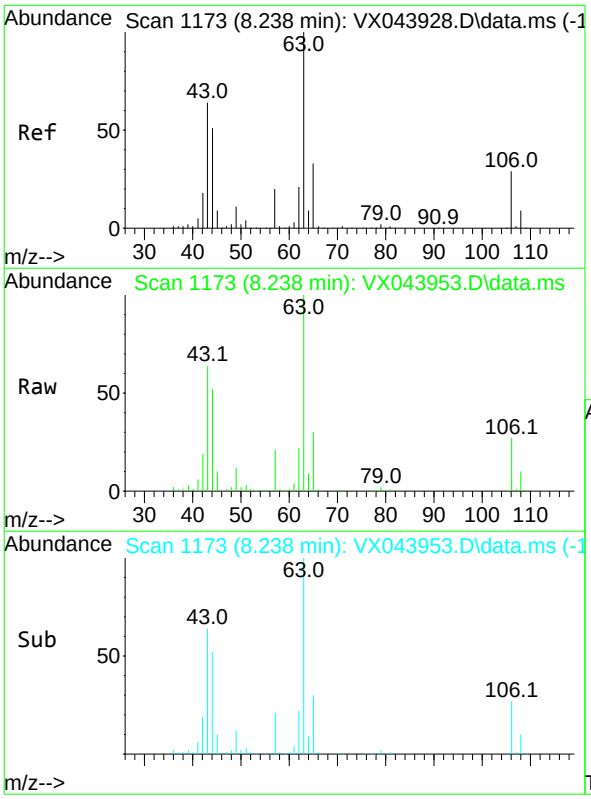
Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

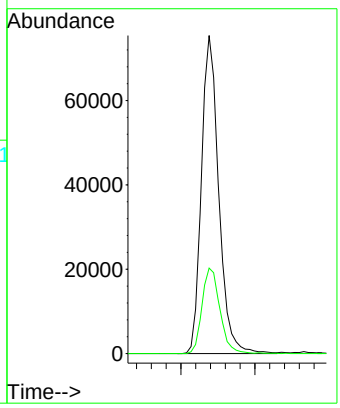
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

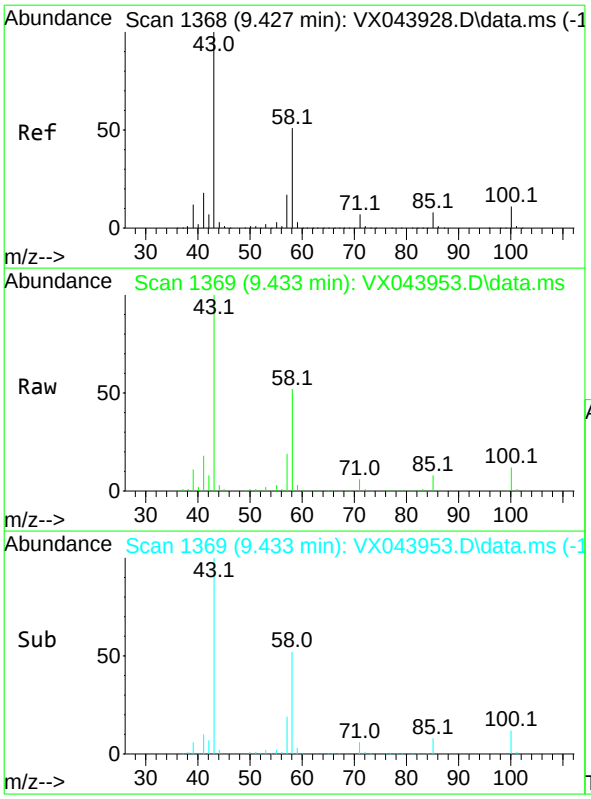


#58
2-Chloroethyl Vinyl ether
Concen: 90.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 122520

Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6

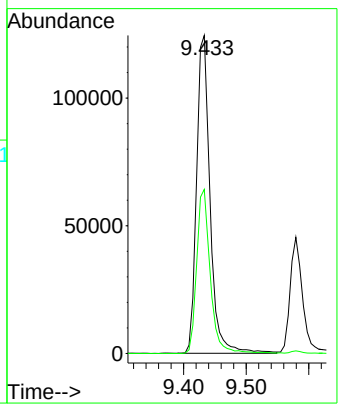




#59
2-Hexanone
Concen: 100.633 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 186272

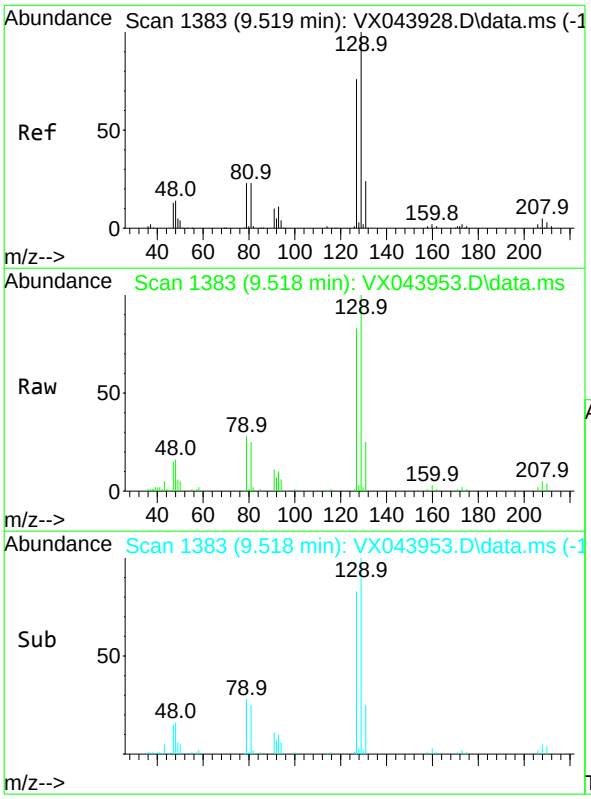
Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

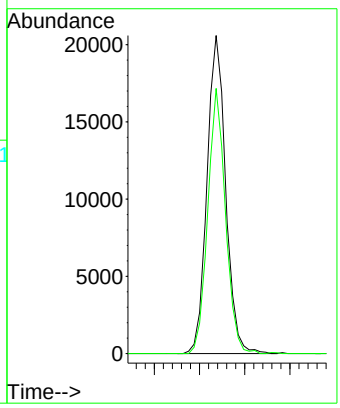
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

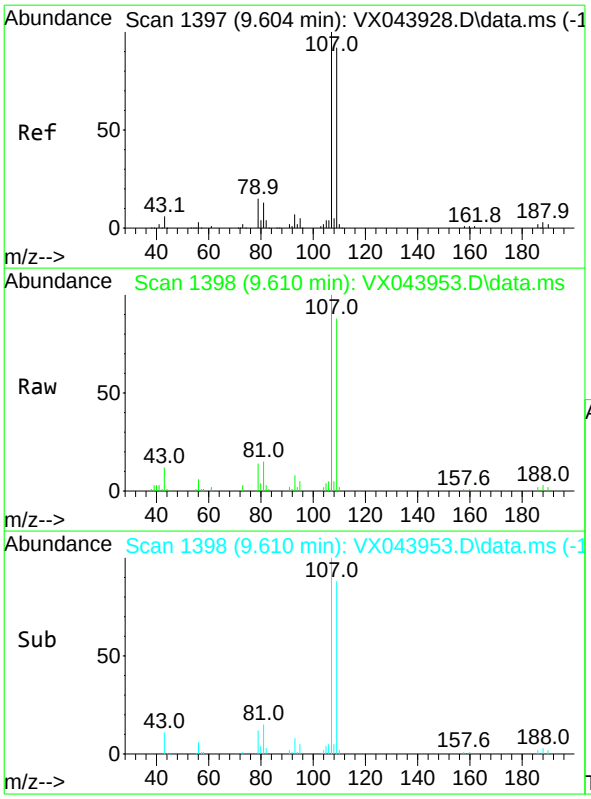


#60
Dibromochloromethane
Concen: 18.733 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:129 Resp: 29549

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.2	114.6





#61
1,2-Dibromoethane
Concen: 20.465 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

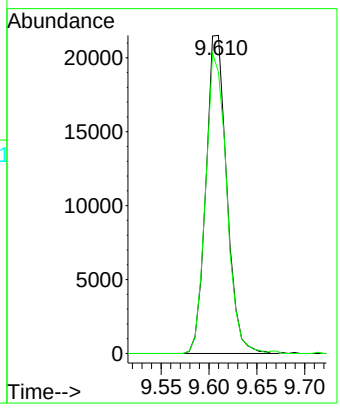
Tgt Ion:107 Resp: 32532

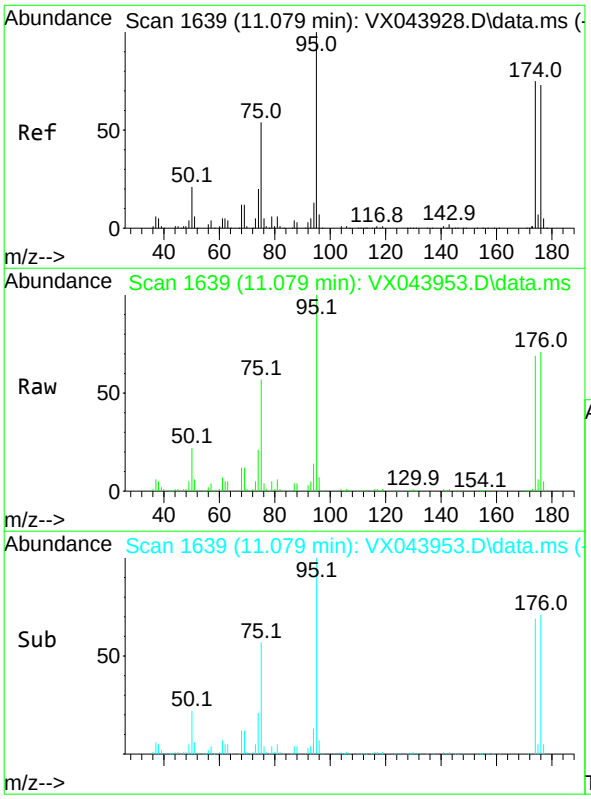
Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.2	112.8

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

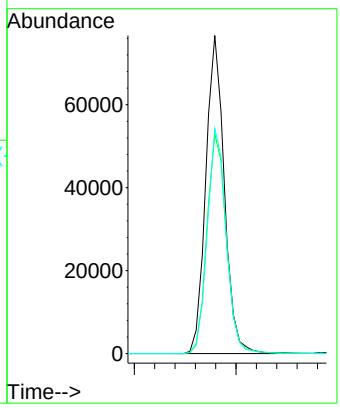


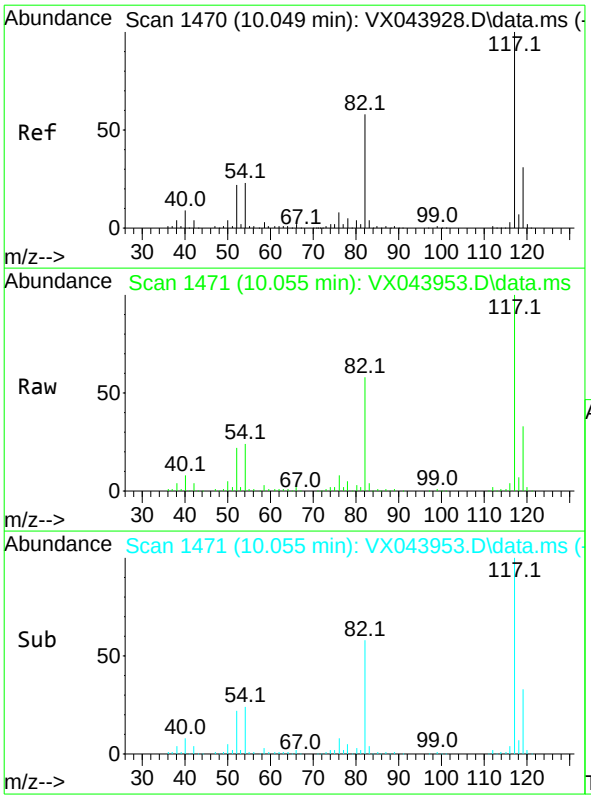


#62
4-Bromofluorobenzene
Concen: 50.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 95 Resp: 96910

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	150.4
176	72.2	0.0	146.0

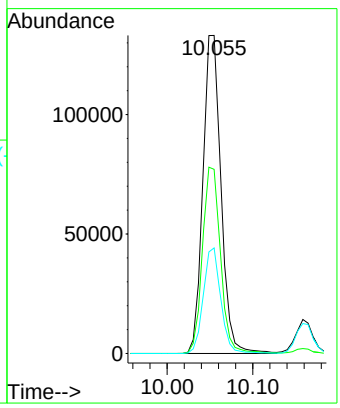




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 195535

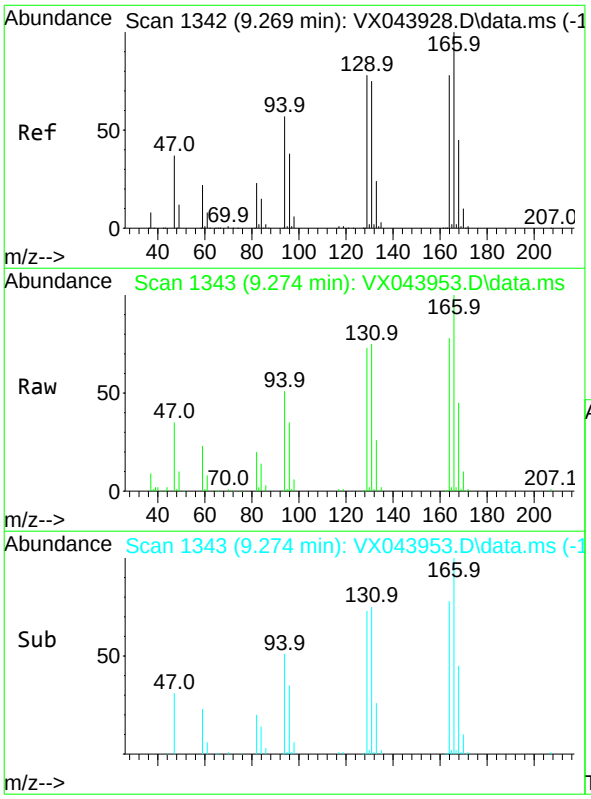
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	33.2	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

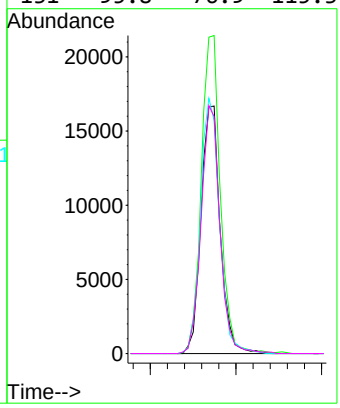
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

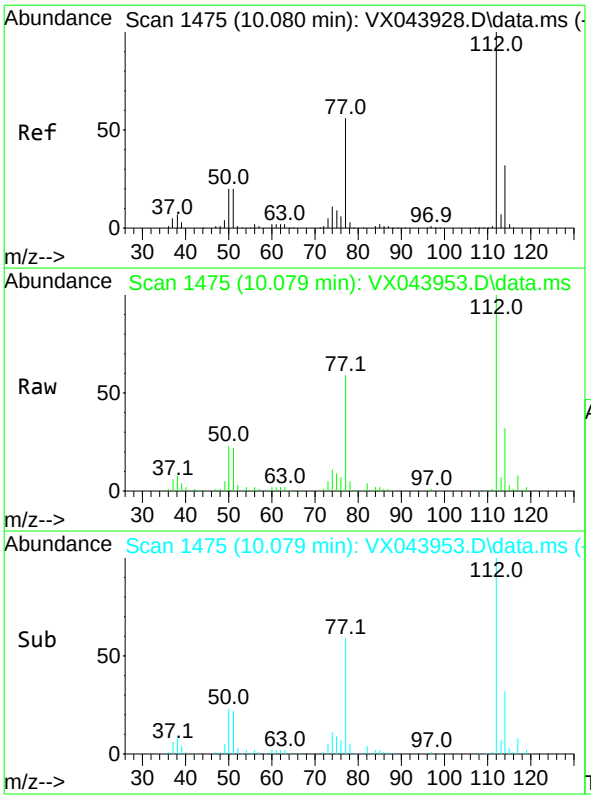


#64
Tetrachloroethene
Concen: 20.270 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:164 Resp: 26135

Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.1	153.1
129	94.0	79.6	119.4
131	95.8	76.9	115.3

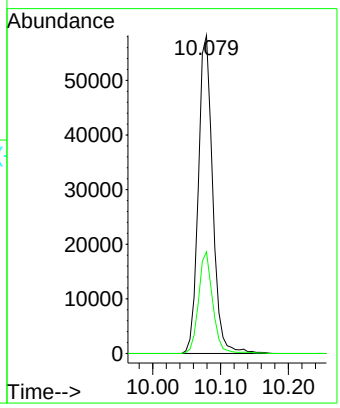




#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:112 Resp: 85495

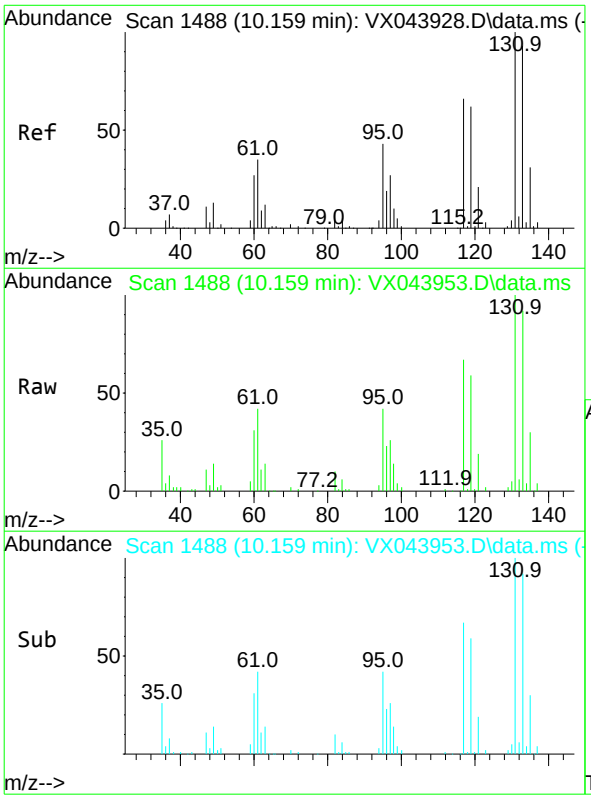
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

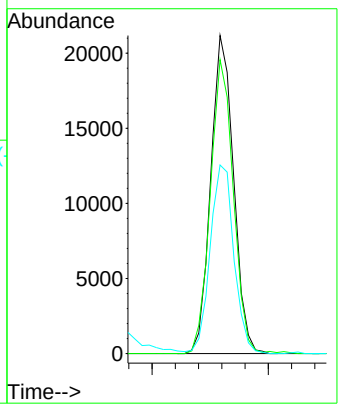
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

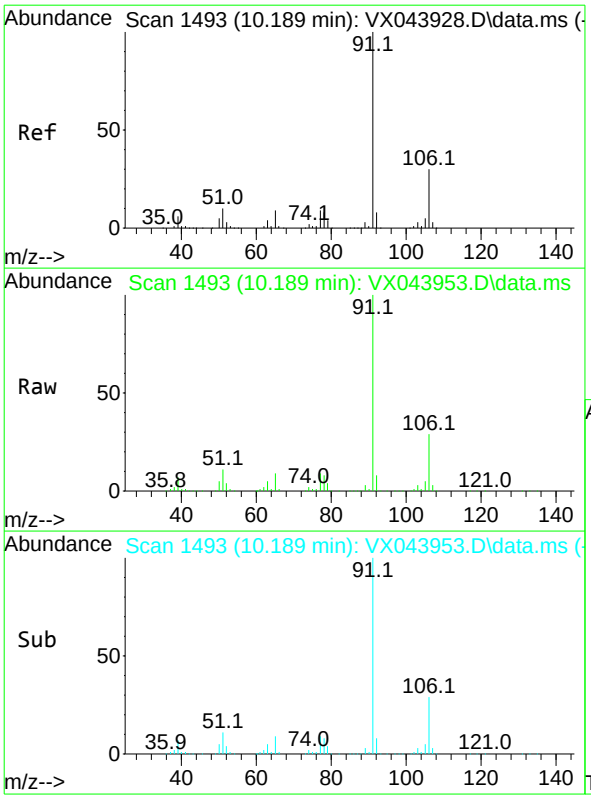


#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:131 Resp: 28882

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.2	144.6
119	61.7	31.5	94.5

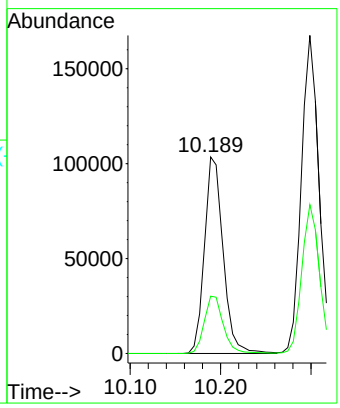




#67
Ethyl Benzene
Concen: 20.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 148481

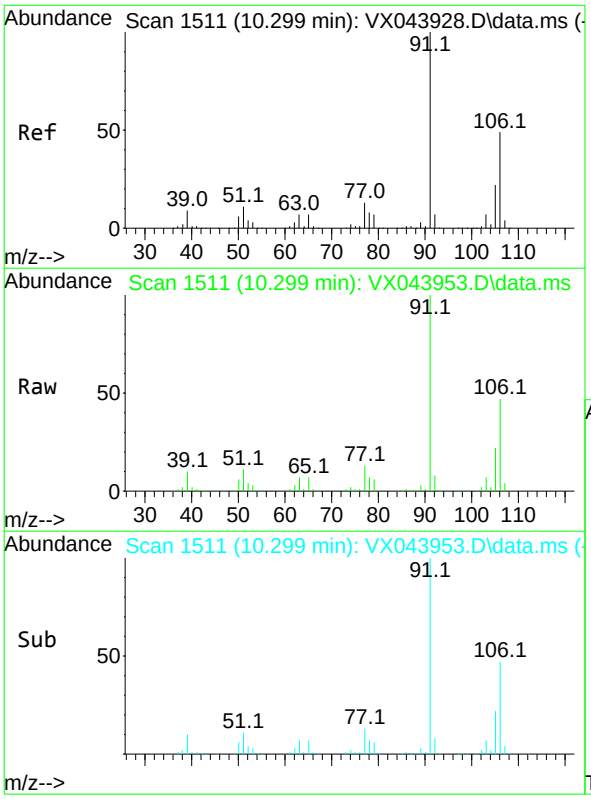
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

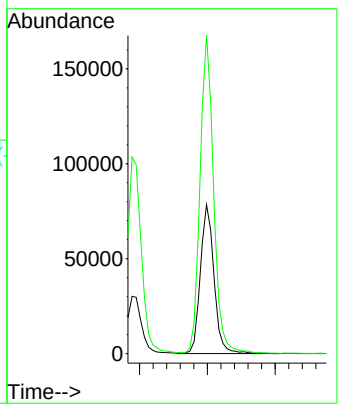
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

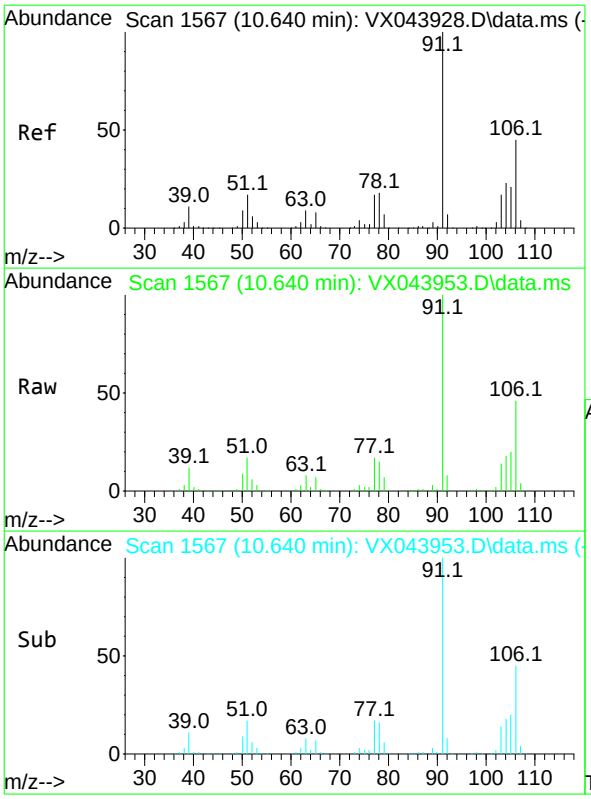


#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 109390

Ion	Ratio	Lower	Upper
106	100		
91	212.7	168.1	252.1

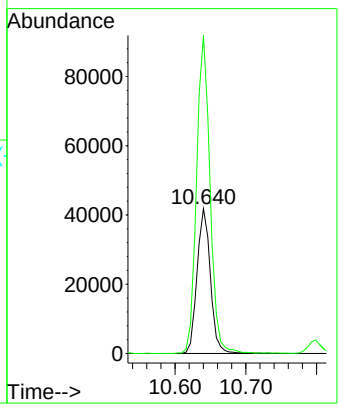




#69
o-Xylene
Concen: 20.665 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 54754

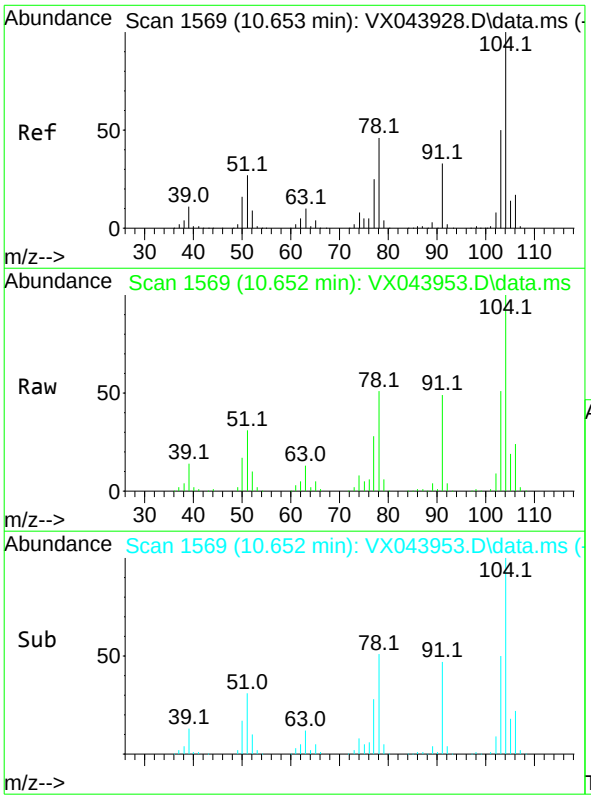
Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

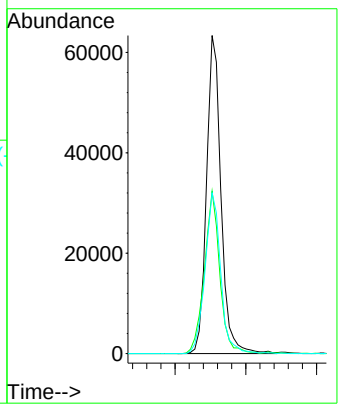
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

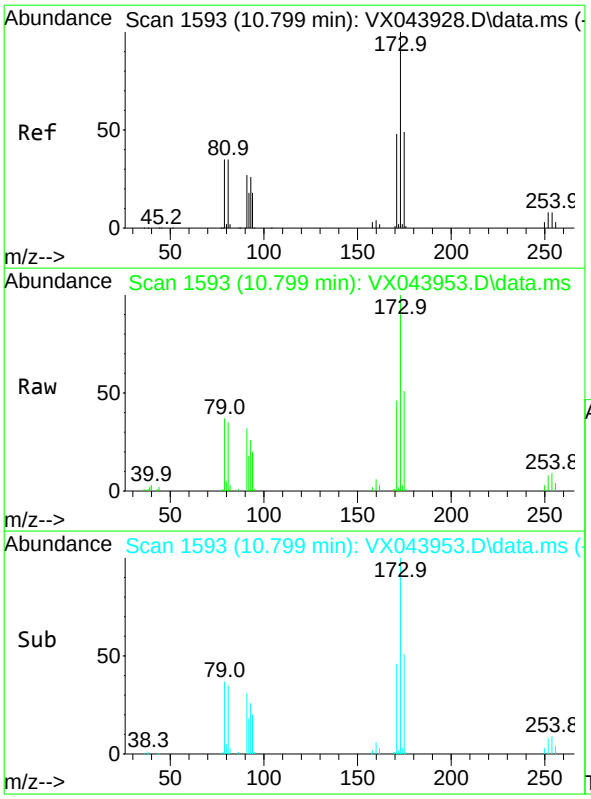


#70
Styrene
Concen: 20.579 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:104 Resp: 90186

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.2	63.2
103	54.7	44.7	67.1

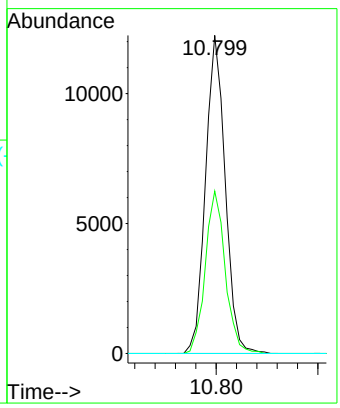




#71
Bromoform
Concen: 16.936 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:173 Resp: 16436

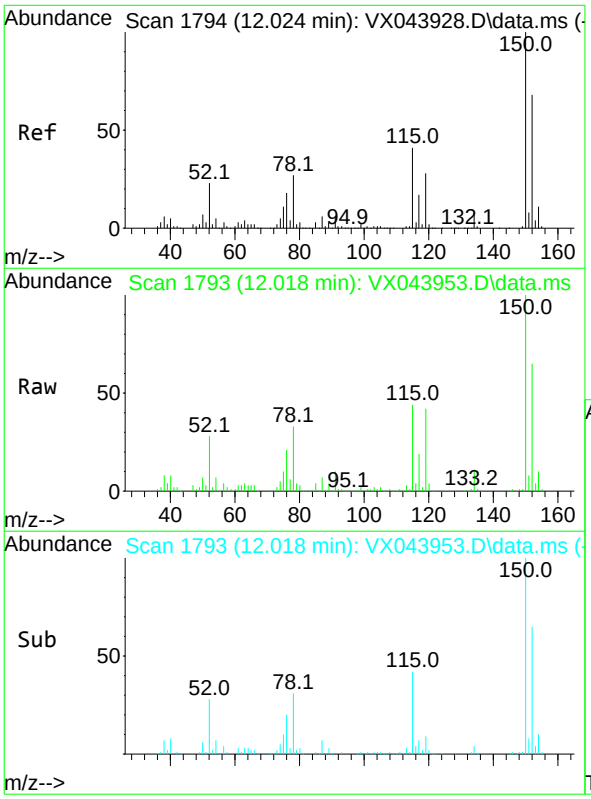
Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

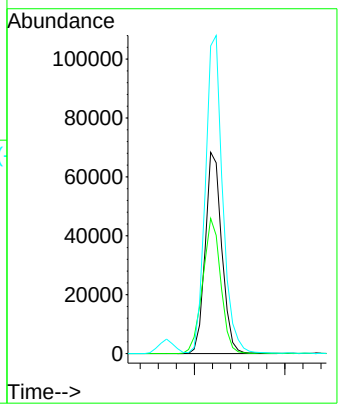
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

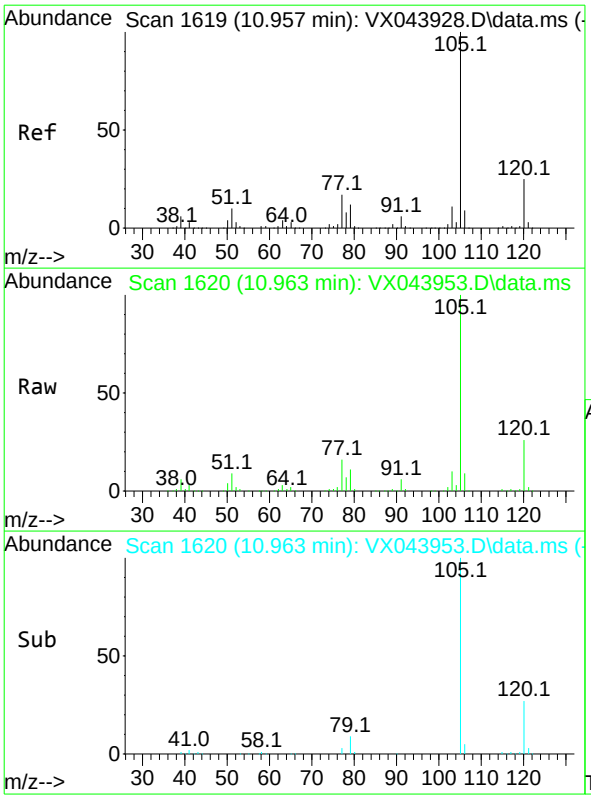


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:152 Resp: 86659

Ion	Ratio	Lower	Upper
152	100		
115	73.0	45.4	136.2
150	164.6	0.0	353.0

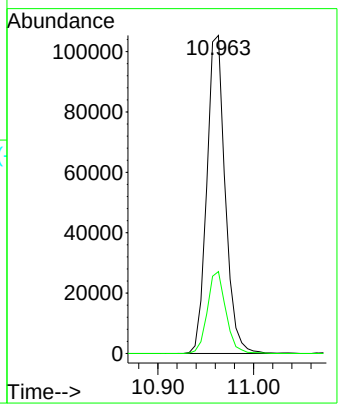




#73
Isopropylbenzene
Concen: 21.084 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 140447

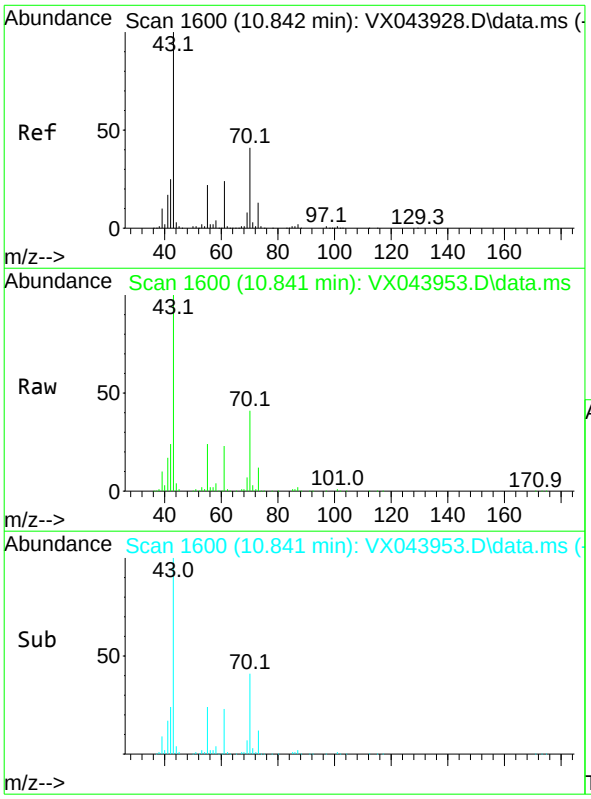
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

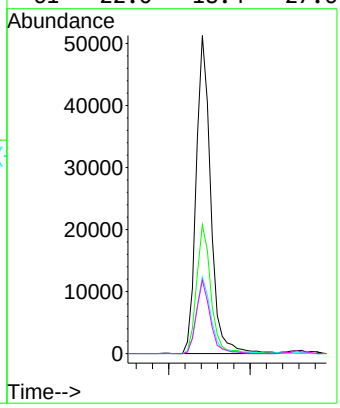
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

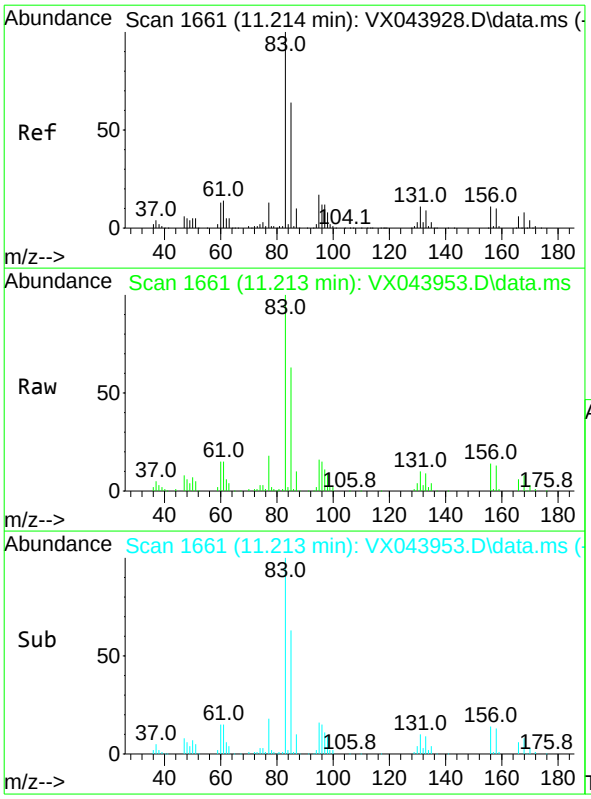


#74
N-amyl acetate
Concen: 20.600 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.2
55	23.8	18.1	27.1
61	22.0	18.4	27.6

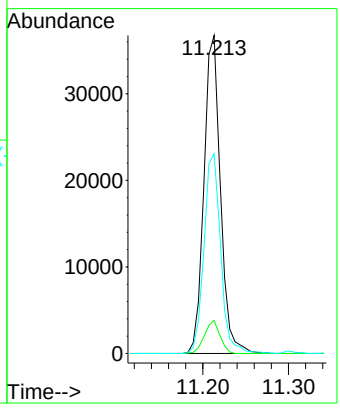




#75
1,1,2,2-Tetrachloroethane
Concen: 21.561 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 49179

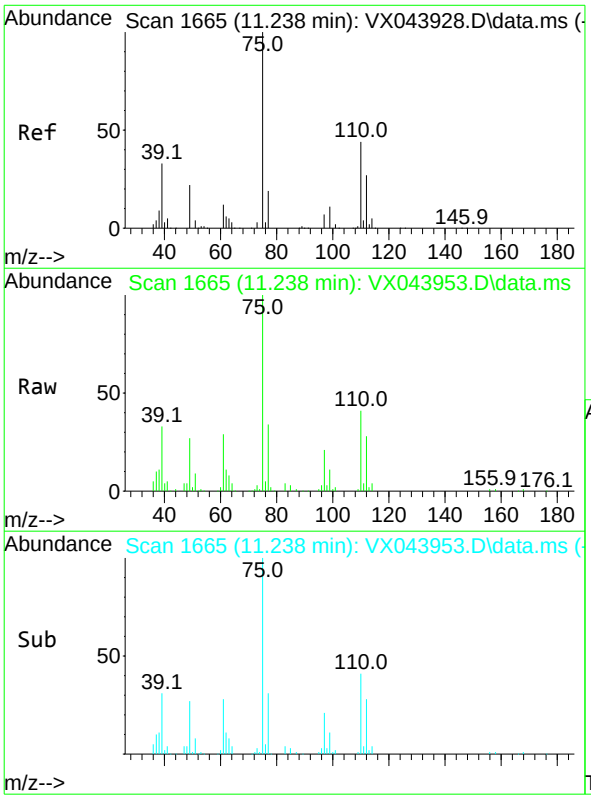
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.4	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

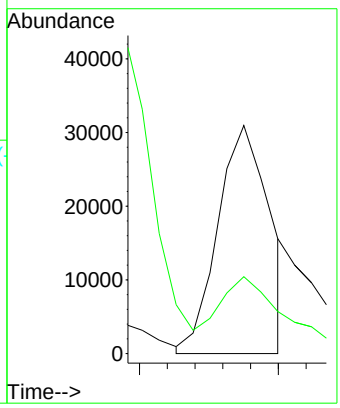
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

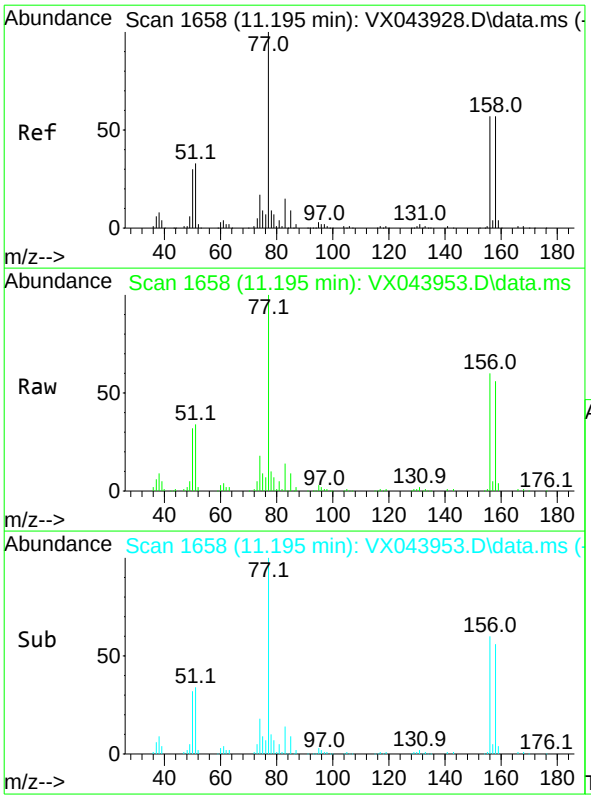


#76
1,2,3-Trichloropropane
Concen: 21.032 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 39969

Ion	Ratio	Lower	Upper
75	100		
77	44.3	21.8	65.3

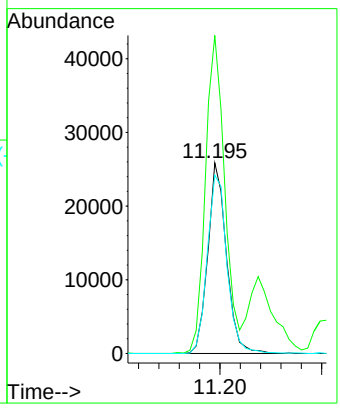




#77
Bromobenzene
Concen: 20.723 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:156 Resp: 32930

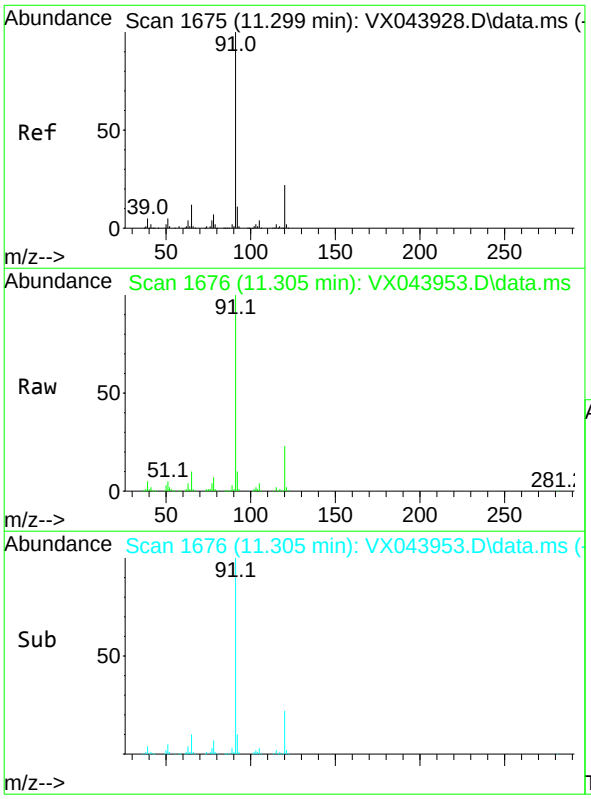
Ion	Ratio	Lower	Upper
156	100		
77	171.5	83.4	250.1
158	99.3	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

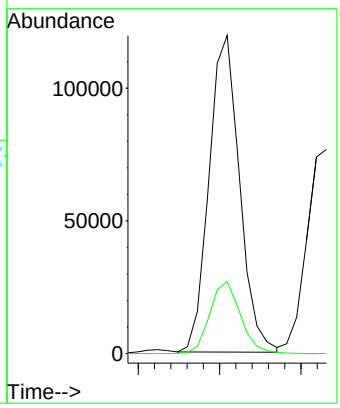
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

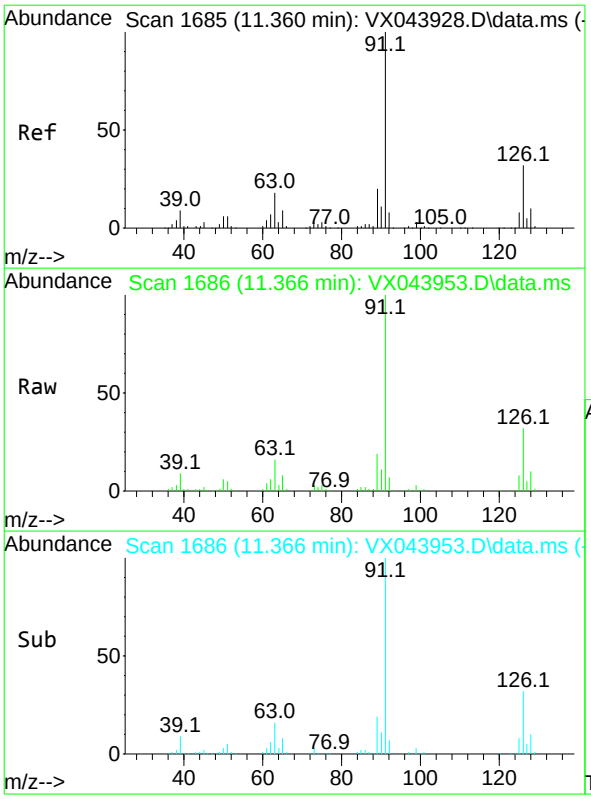


#78
n-propylbenzene
Concen: 20.912 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 155584

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4

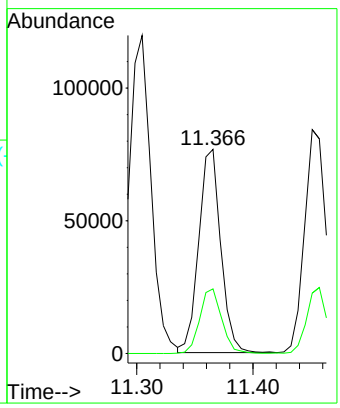




#79
2-Chlorotoluene
Concen: 21.442 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 100875

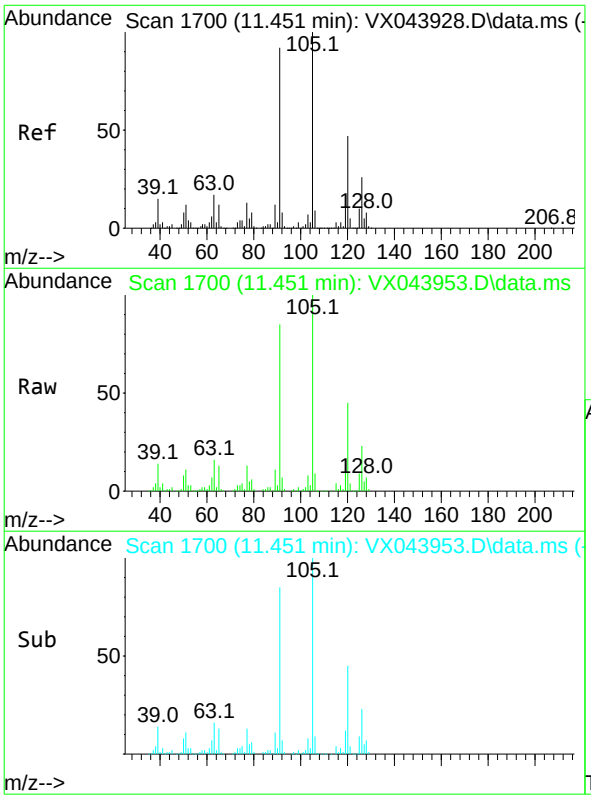
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

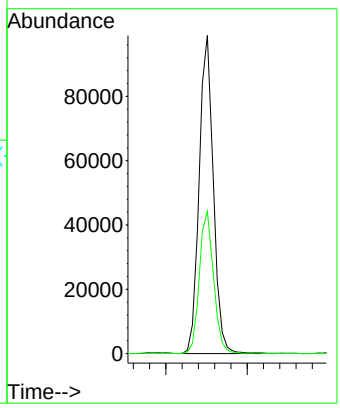
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

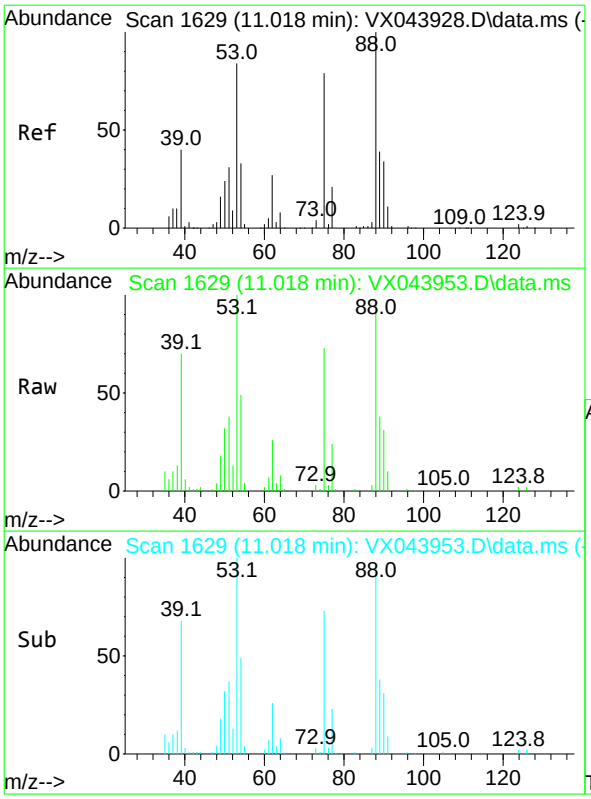


#80
1,3,5-Trimethylbenzene
Concen: 21.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 119899

Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.3	69.8

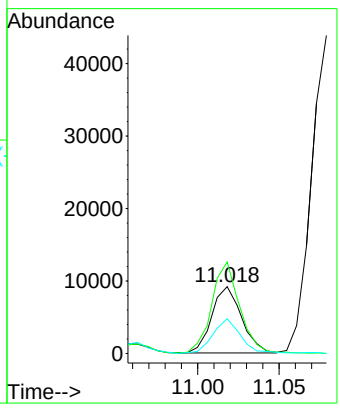




#81
trans-1,4-Dichloro-2-butene
Concen: 16.695 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 11627

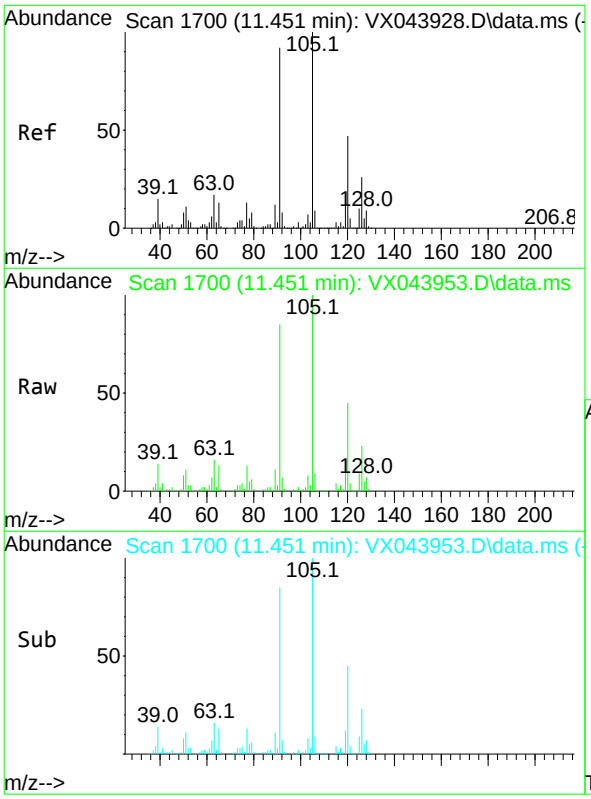
Ion	Ratio	Lower	Upper
75	100		
53	131.0	86.7	130.1#
89	48.8	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

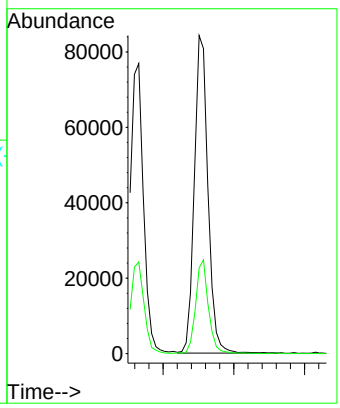
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

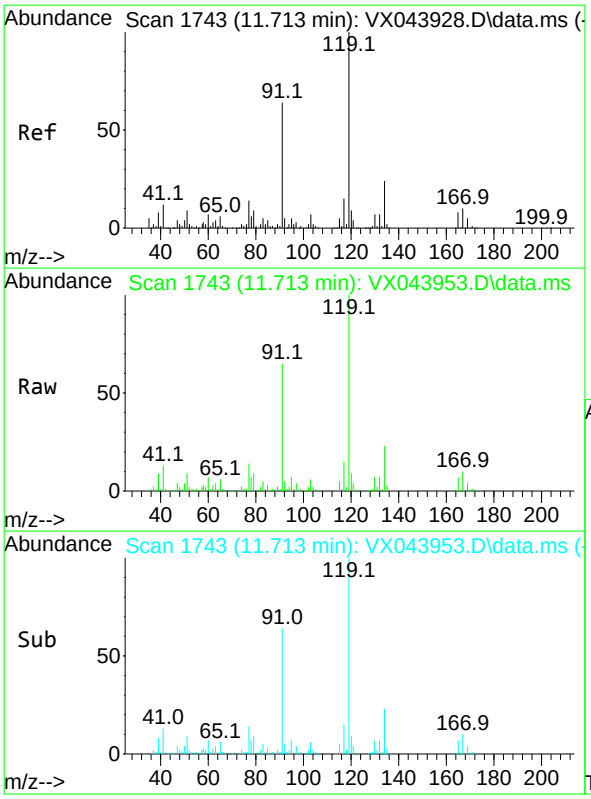


#82
4-Chlorotoluene
Concen: 21.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 112420

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.3	42.9

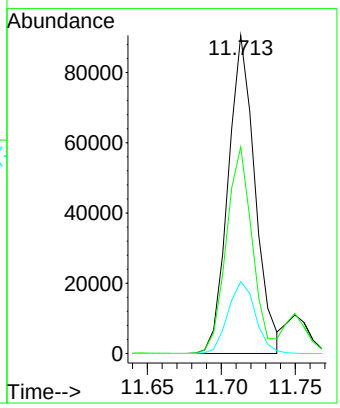




#83
tert-Butylbenzene
Concen: 21.028 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114224

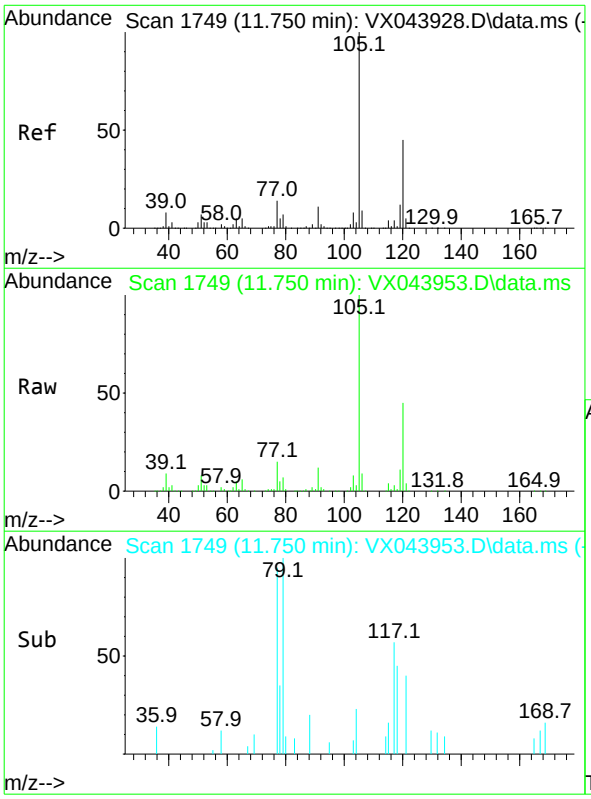
Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.0	93.0
134	23.1	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

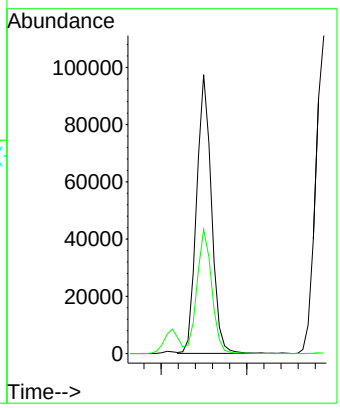
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

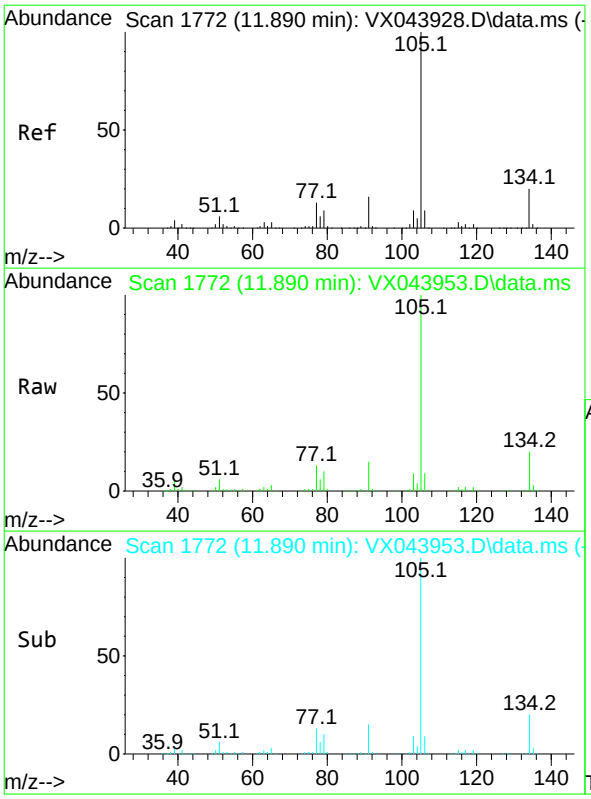


#84
1,2,4-Trimethylbenzene
Concen: 21.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 116894

Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.9	65.7

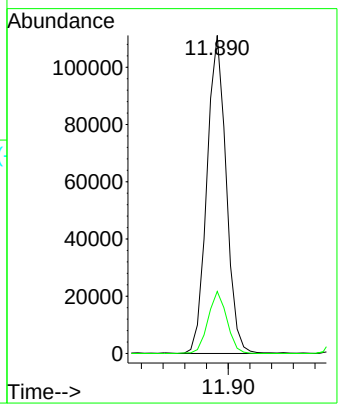




#85
sec-Butylbenzene
Concen: 20.577 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 136947

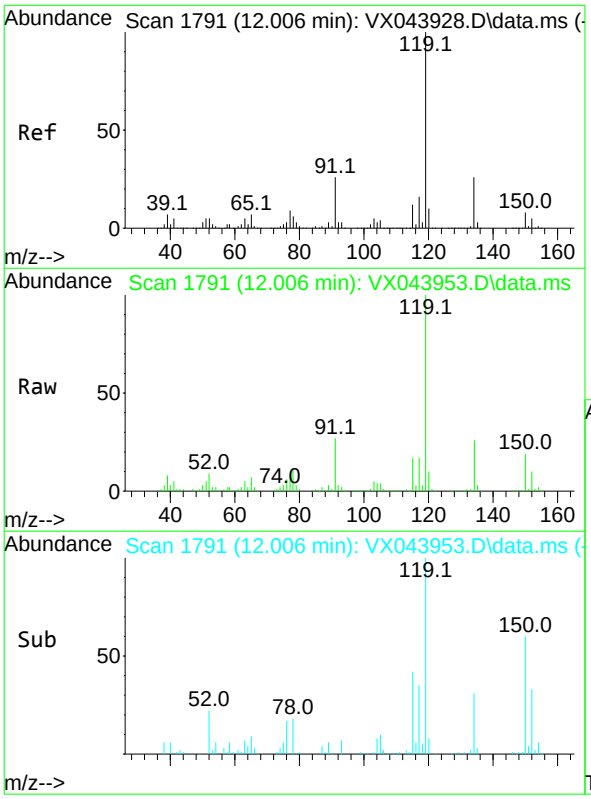
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

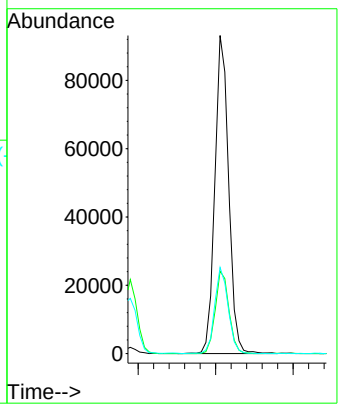
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

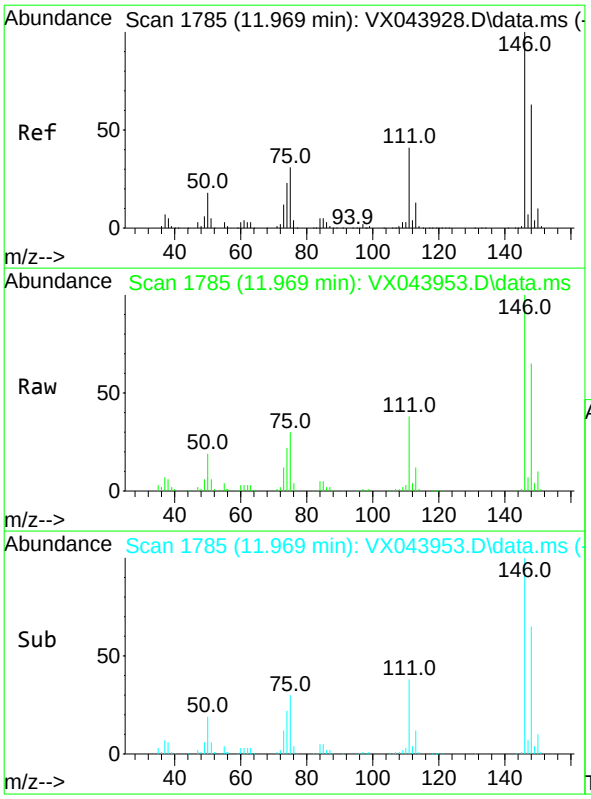


#86
p-Isopropyltoluene
Concen: 21.255 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114908

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	26.6	13.0	38.9

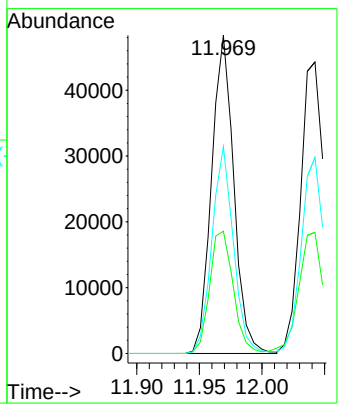




#87
1,3-Dichlorobenzene
Concen: 20.602 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 59626

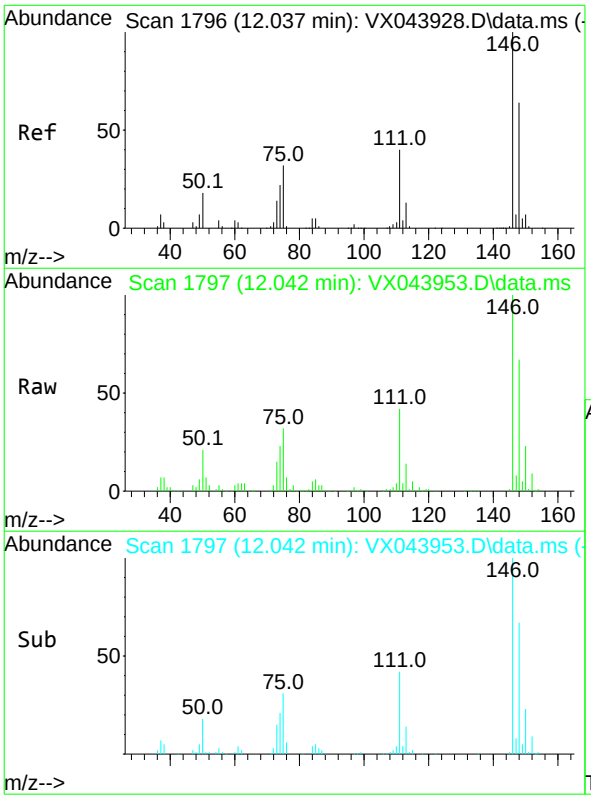
Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.3
148	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

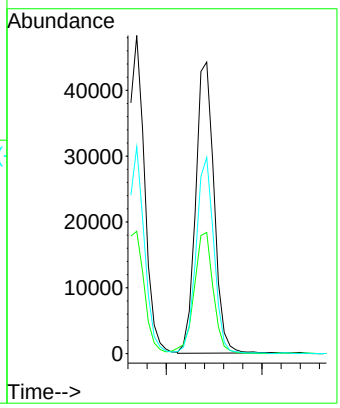
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

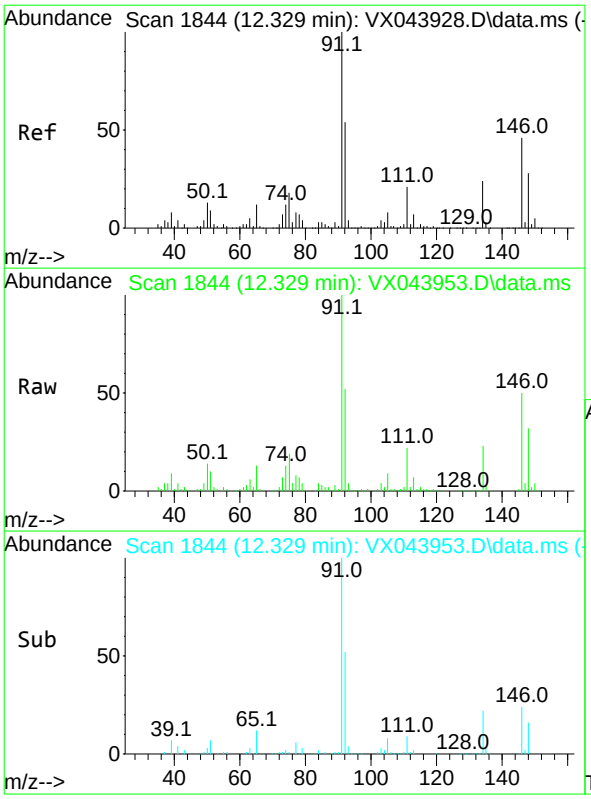


#88
1,4-Dichlorobenzene
Concen: 19.988 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 58980

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.1	60.3
148	65.5	30.9	92.8





#89
n-Butylbenzene
Concen: 20.917 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

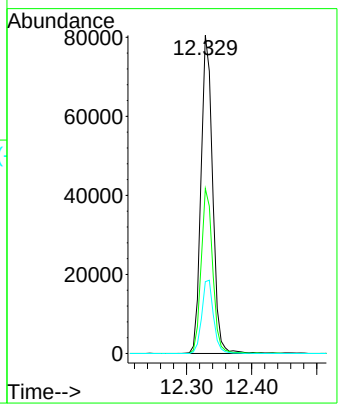
Tgt Ion: 91 Resp: 99700

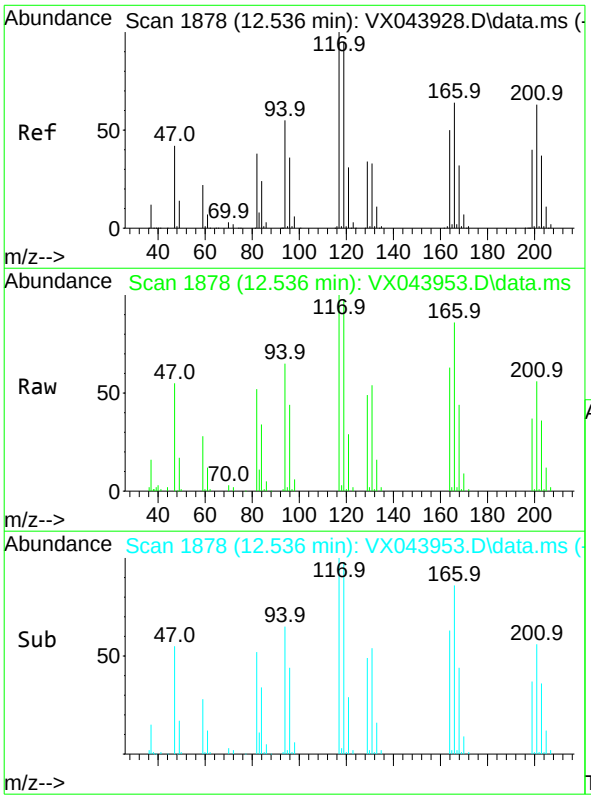
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.6	79.8
134	23.3	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

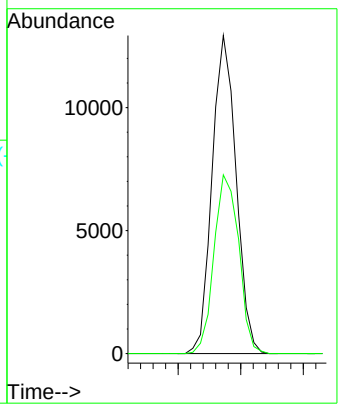


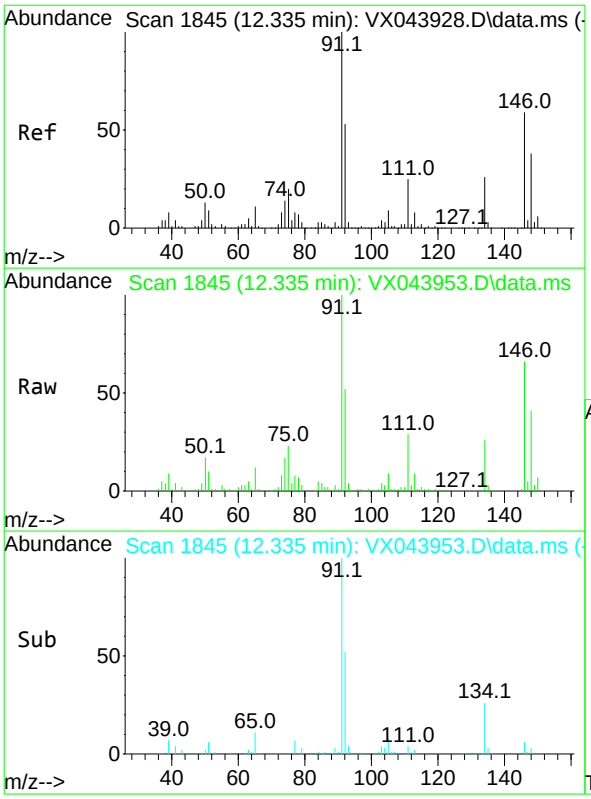


#90
Hexachloroethane
Concen: 18.732 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 17220

Ion	Ratio	Lower	Upper
117	100		
201	57.9	32.4	97.0

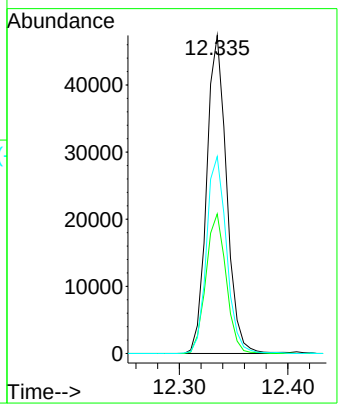




#91
1,2-Dichlorobenzene
Concen: 20.654 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 60326

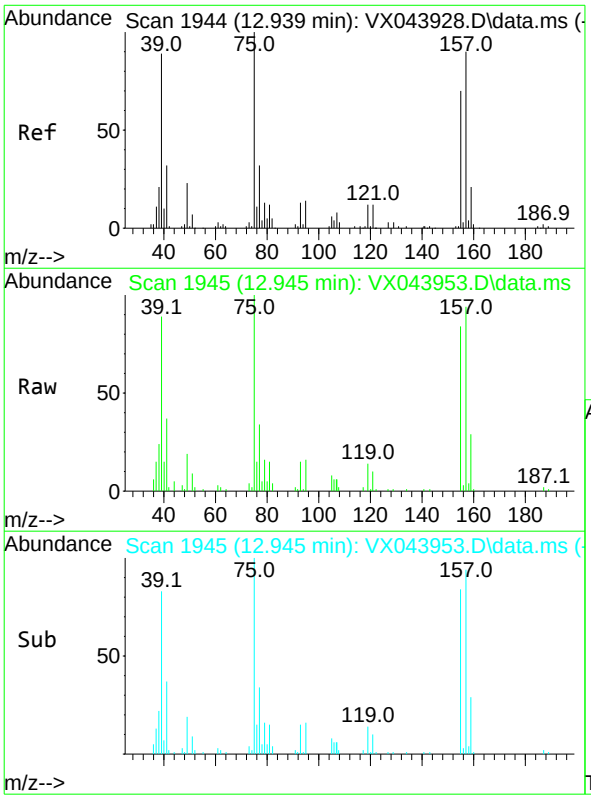
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.5	64.5
148	62.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

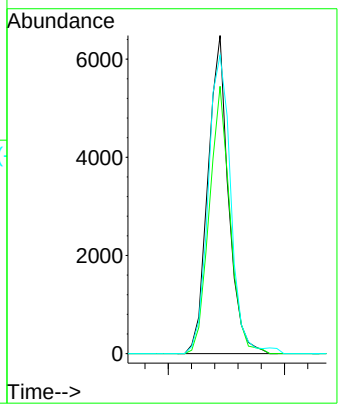
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

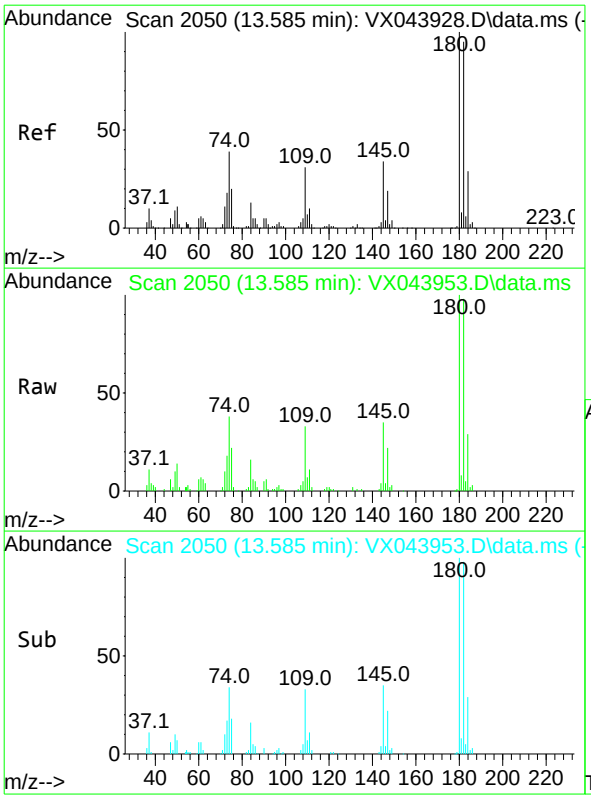


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.368 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 7938

Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.1	120.2
157	103.8	49.6	149.0

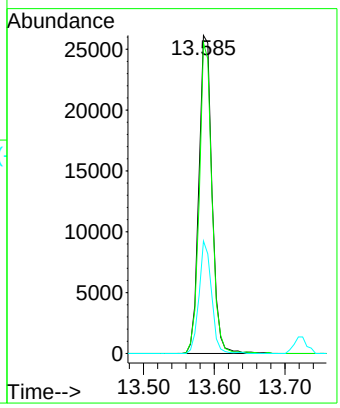




#93
1,2,4-Trichlorobenzene
Concen: 19.521 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:180 Resp: 33614

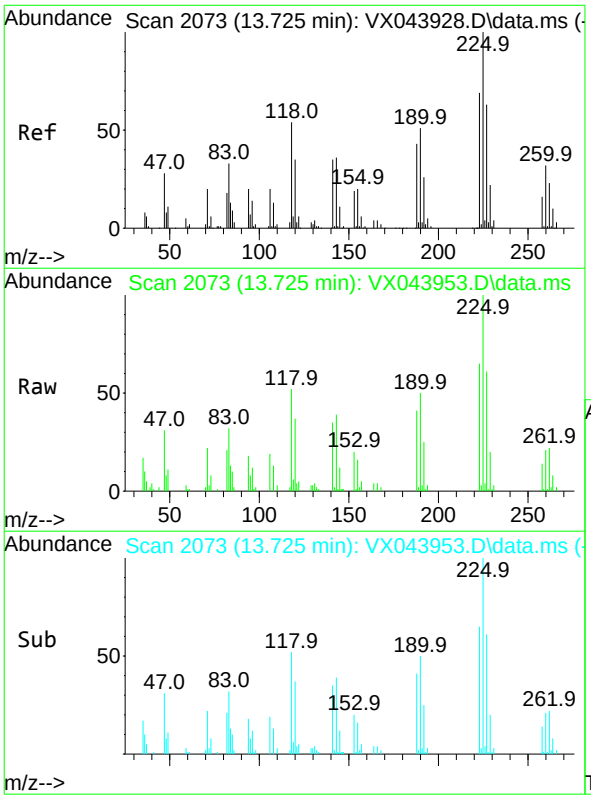
Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.0	144.2
145	33.6	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations APPROVED

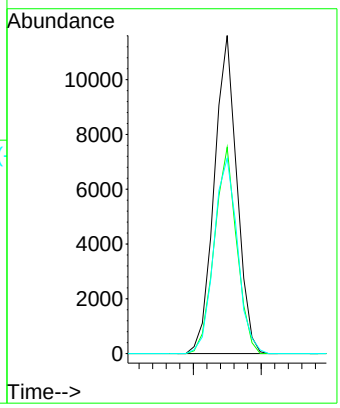
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

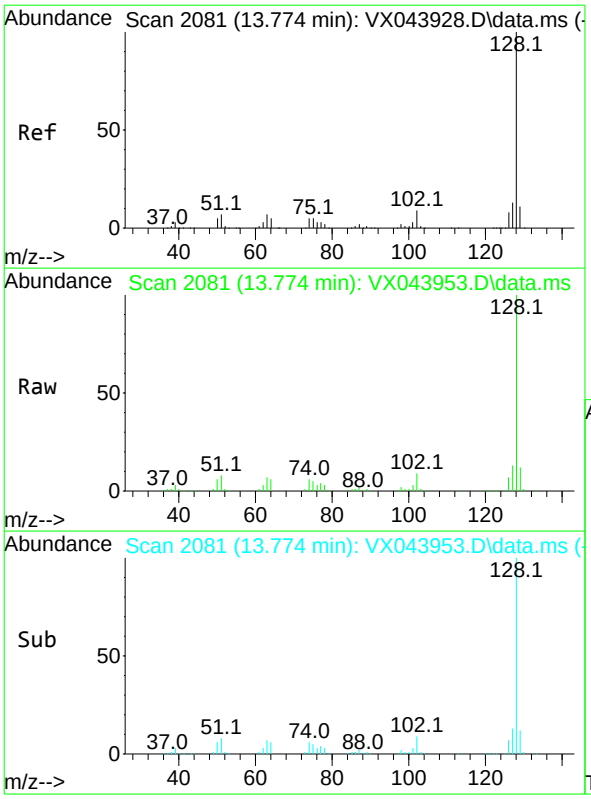


#94
Hexachlorobutadiene
Concen: 19.782 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:225 Resp: 13463

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.9	98.6
227	64.2	31.6	94.8

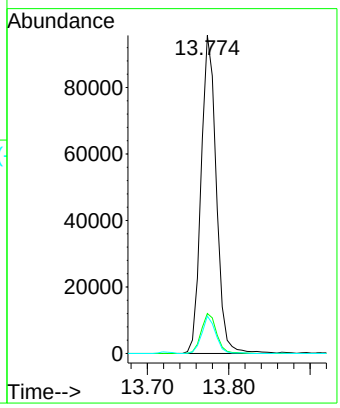




#95
Naphthalene
Concen: 20.050 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:128 Resp: 124279

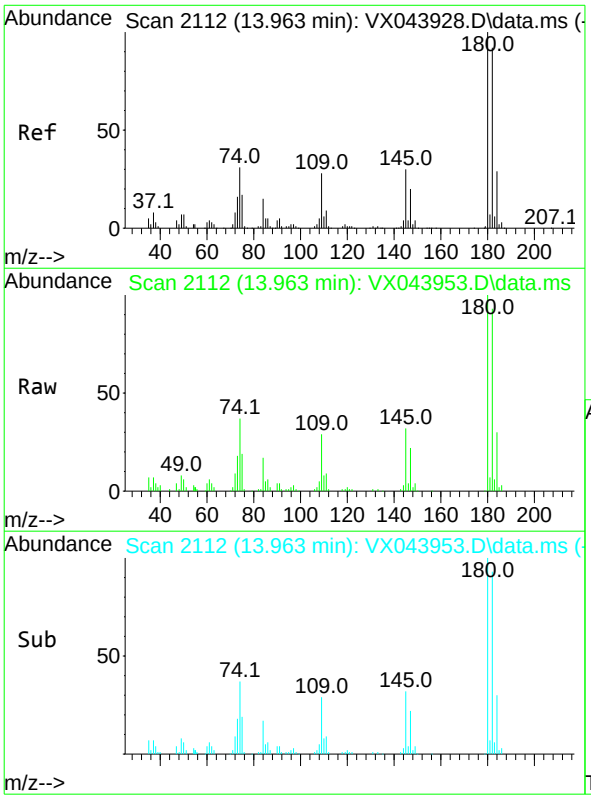
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Manual Integrations
APPROVED

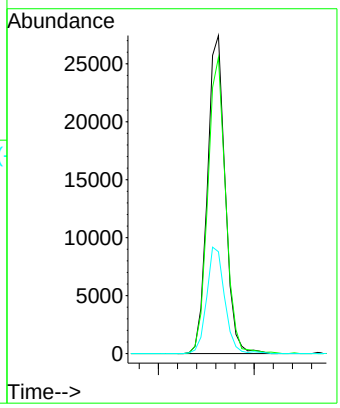
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.203 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:180 Resp: 35212

Ion	Ratio	Lower	Upper
180	100		
182	94.1	45.6	136.8
145	34.1	16.4	49.4



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4873
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	87.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	91.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.1		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.4		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.1		0.18	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:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4873
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	90.6		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	16.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	233000	6.757				
3114-55-4	Chlorobenzene-d5	201000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	89400	12.024				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4873
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

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\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111972	50.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.160%			
35) Dibromofluoromethane	5.379	113	82126	49.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.647	98	279748	48.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	92231	47.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27858	17.036	ug/l	96
3) Chloromethane	1.294	50	31484	18.297	ug/l	98
4) Vinyl Chloride	1.374	62	32067	17.520	ug/l	97
5) Bromomethane	1.593	94	23162	20.571	ug/l	96
6) Chloroethane	1.666	64	21661	19.423	ug/l	99
7) Trichlorofluoromethane	1.868	101	62260	19.027	ug/l	99
8) Diethyl Ether	2.136	74	21810	18.287	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	27391	17.549	ug/l	99
10) Methyl Iodide	2.447	142	35527	18.224	ug/l	98
11) Tert butyl alcohol	2.995	59	30305	85.282	ug/l	98
12) 1,1-Dichloroethene	2.306	96	25636	17.236	ug/l	92
13) Acrolein	2.233	56	29794	79.545	ug/l	99
14) Allyl chloride	2.654	41	43363	17.842	ug/l	97
15) Acrylonitrile	3.062	53	78411	90.547	ug/l	99
16) Acetone	2.380	43	89315	87.837	ug/l	99
17) Carbon Disulfide	2.502	76	46168	15.048	ug/l	96
18) Methyl Acetate	2.703	43	43353	18.308	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	102397	18.961	ug/l	99
20) Methylene Chloride	2.782	84	30699	17.791	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	27476	17.893	ug/l	95
22) Diisopropyl ether	3.757	45	101204	19.474	ug/l #	87
23) Vinyl Acetate	3.721	43	413005	92.903	ug/l	99
24) 1,1-Dichloroethane	3.605	63	57833	19.291	ug/l	99
25) 2-Butanone	4.562	43	119828	91.330	ug/l	97
26) 2,2-Dichloropropane	4.471	77	50034	18.480	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	35442	18.672	ug/l	99
28) Bromochloromethane	4.891	49	28155	21.335	ug/l	97
29) Tetrahydrofuran	5.007	42	71632	89.055	ug/l	99
30) Chloroform	5.086	83	62792	19.474	ug/l	95
31) Cyclohexane	5.458	56	44185	17.907	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	53725	19.321	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39005	18.830	ug/l	97
37) Ethyl Acetate	4.715	43	43604	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	41358	17.769	ug/l	93
39) Methylcyclohexane	7.373	83	45874	17.047	ug/l	96
40) Benzene	6.031	78	121280	18.797	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	24395	18.537 ug/l		97
42) 1,2-Dichloroethane	6.080	62	49414	19.069 ug/l		100
43) Isopropyl Acetate	6.342	43	74800	18.280 ug/l		98
44) Trichloroethene	7.123	130	29451	16.124 ug/l		94
45) 1,2-Dichloropropane	7.421	63	31342	19.833 ug/l		99
46) Dibromomethane	7.580	93	23880	19.103 ug/l		98
47) Bromodichloromethane	7.818	83	42158	18.804 ug/l		98
48) Methyl methacrylate	7.696	41	34847	17.747 ug/l		100
49) 1,4-Dioxane	7.671	88	11205	320.363 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	230680	92.377 ug/l		98
52) Toluene	8.714	92	73761	19.100 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	41513	18.157 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	46516	18.559 ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	29828	18.711 ug/l		96
56) Ethyl methacrylate	9.116	69	45352	18.265 ug/l		98
57) 1,3-Dichloropropane	9.305	76	52347	19.493 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	104808	76.406 ug/l		100
59) 2-Hexanone	9.433	43	170135	90.646 ug/l		99
60) Dibromochloromethane	9.519	129	28665	17.922 ug/l		98
61) 1,2-Dibromoethane	9.610	107	29826	18.503 ug/l		99
64) Tetrachloroethene	9.269	164	23911	18.065 ug/l		94
65) Chlorobenzene	10.079	112	81986	18.597 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27274	19.076 ug/l		99
67) Ethyl Benzene	10.189	91	139010	18.608 ug/l		99
68) m/p-Xylenes	10.299	106	103991	37.328 ug/l		99
69) o-Xylene	10.640	106	50858	18.698 ug/l		98
70) Styrene	10.653	104	83849	18.638 ug/l		98
71) Bromoform	10.799	173	15846	15.994 ug/l	#	100
73) Isopropylbenzene	10.963	105	130876	19.035 ug/l		100
74) N-amyl acetate	10.842	43	56876	17.857 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	45016	19.121 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	37299m	19.015 ug/l		
77) Bromobenzene	11.195	156	31131	18.980 ug/l		98
78) n-propylbenzene	11.305	91	145673	18.970 ug/l		98
79) 2-Chlorotoluene	11.360	91	92824	19.116 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	112233	19.841 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11075	15.407 ug/l		91
82) 4-Chlorotoluene	11.451	91	104709	19.100 ug/l		100
83) tert-Butylbenzene	11.713	119	107369	19.150 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	111539	19.806 ug/l		96
85) sec-Butylbenzene	11.890	105	125802	18.313 ug/l		98
86) p-Isopropyltoluene	12.006	119	108552	19.454 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	55631	18.623 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	56264	18.474 ug/l		96
89) n-Butylbenzene	12.329	91	91448	18.588 ug/l		99
90) Hexachloroethane	12.536	117	15872	16.728 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	56883	18.869 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7772	16.475 ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	30614	17.225 ug/l		98
94) Hexachlorobutadiene	13.719	225	13180	18.763 ug/l		93
95) Naphthalene	13.774	128	113362	17.718 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	32142	17.867 ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

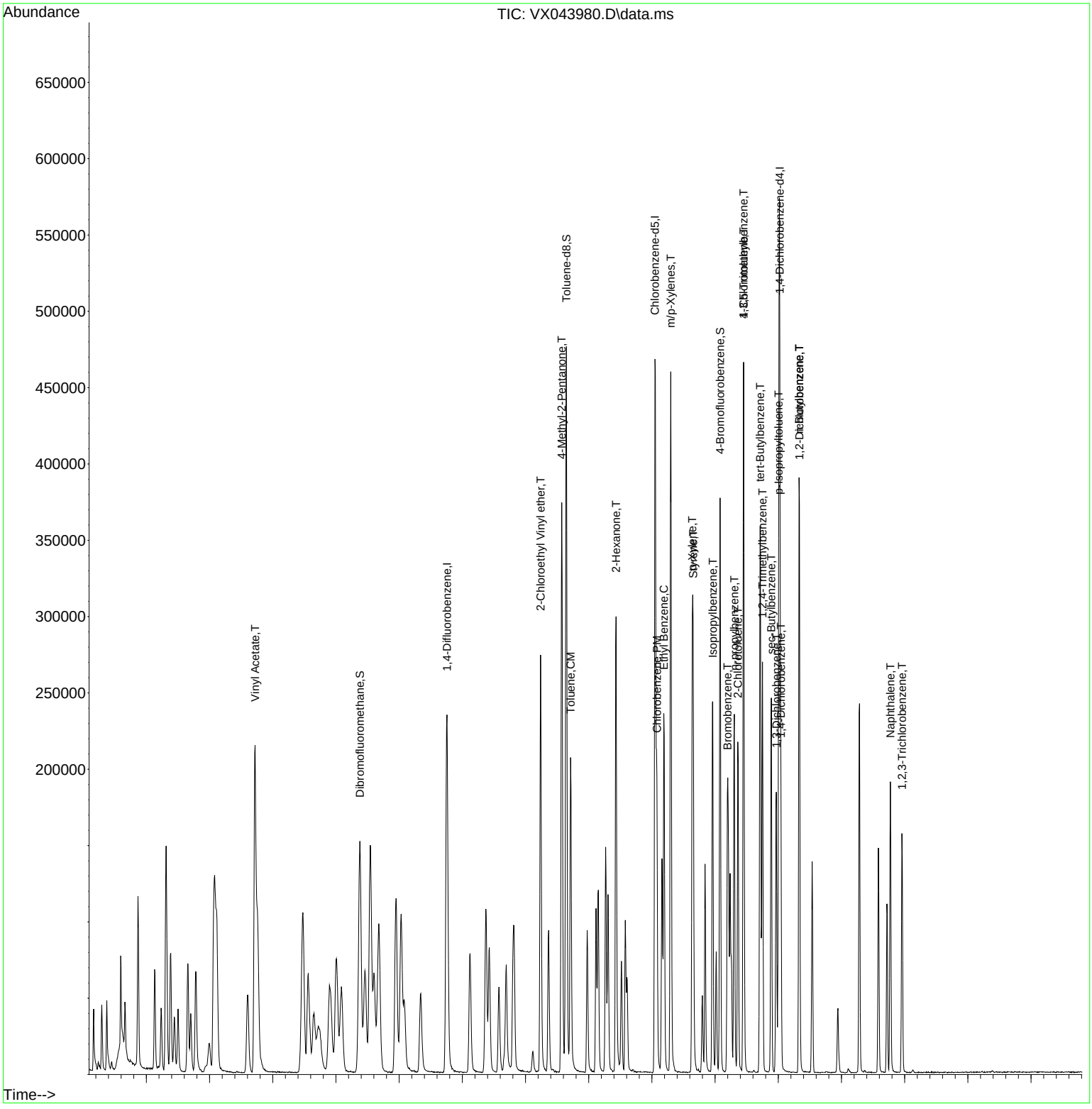
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

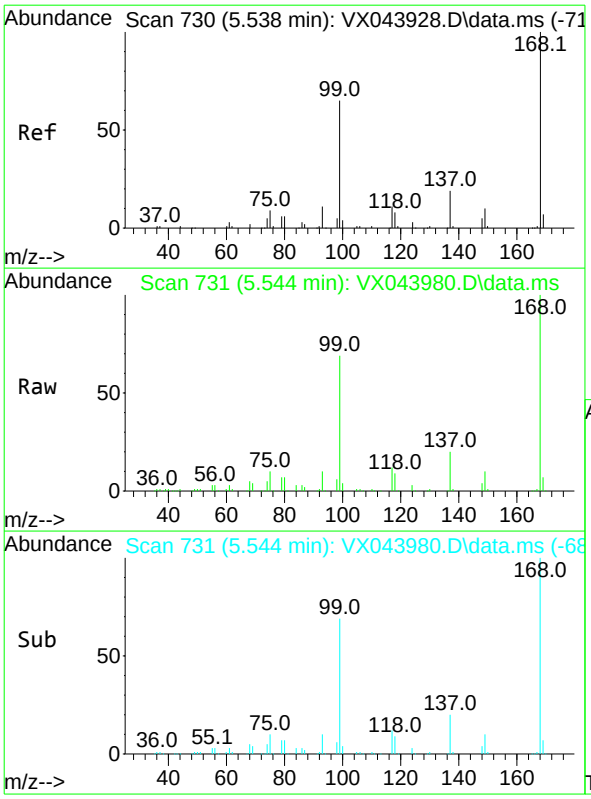
Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

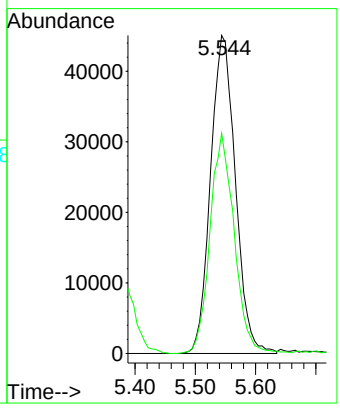




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:168 Resp: 129078

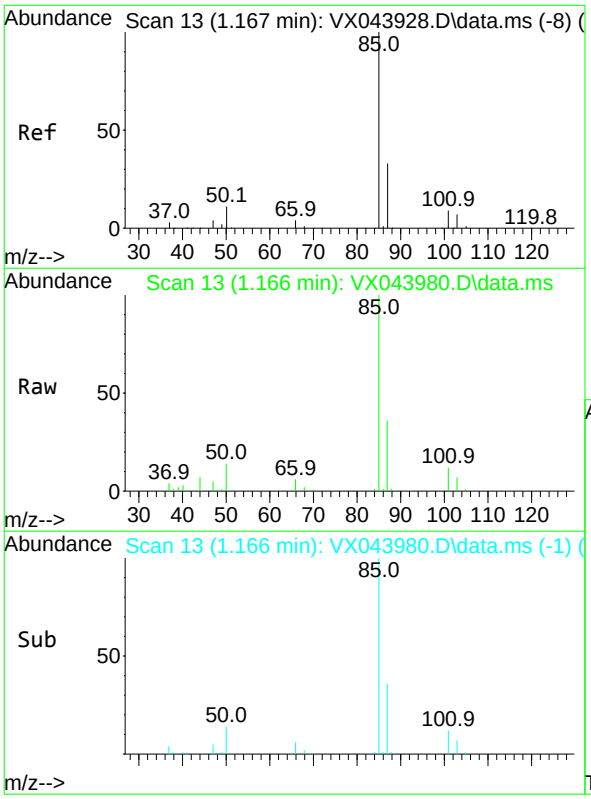
Ion	Ratio	Lower	Upper
168	100		
99	69.2	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

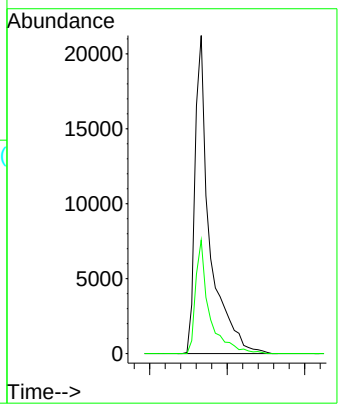
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

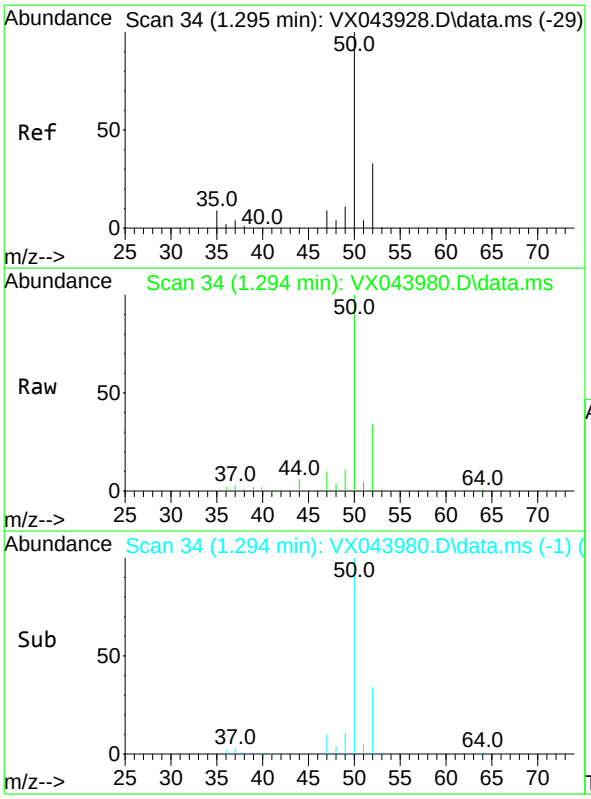


#2
Dichlorodifluoromethane
Concen: 17.036 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 85 Resp: 27858

Ion	Ratio	Lower	Upper
85	100		
87	35.7	16.6	49.8

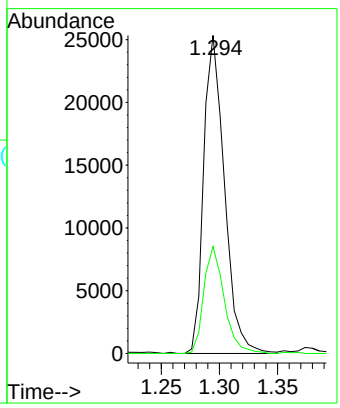




#3
Chloromethane
Concen: 18.297 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 50 Resp: 31484

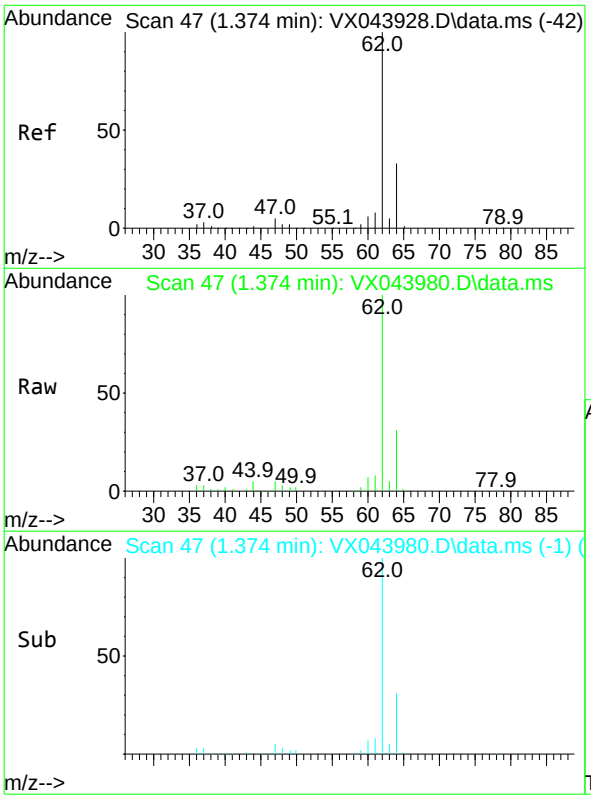
Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

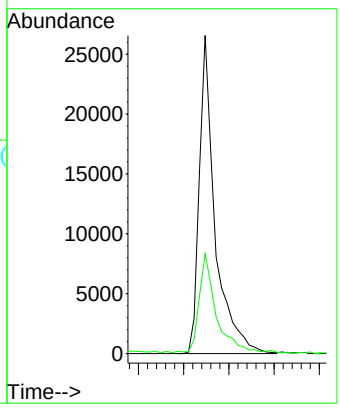
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

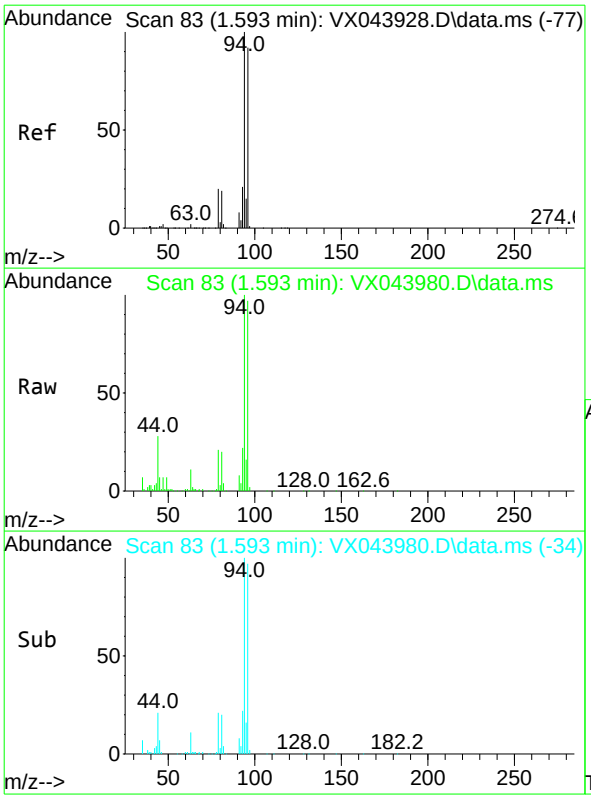


#4
Vinyl Chloride
Concen: 17.520 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 32067

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

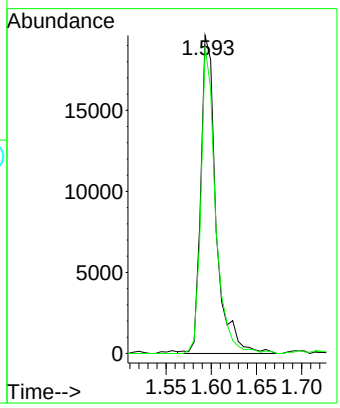




#5
Bromomethane
Concen: 20.571 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 94 Resp: 23162

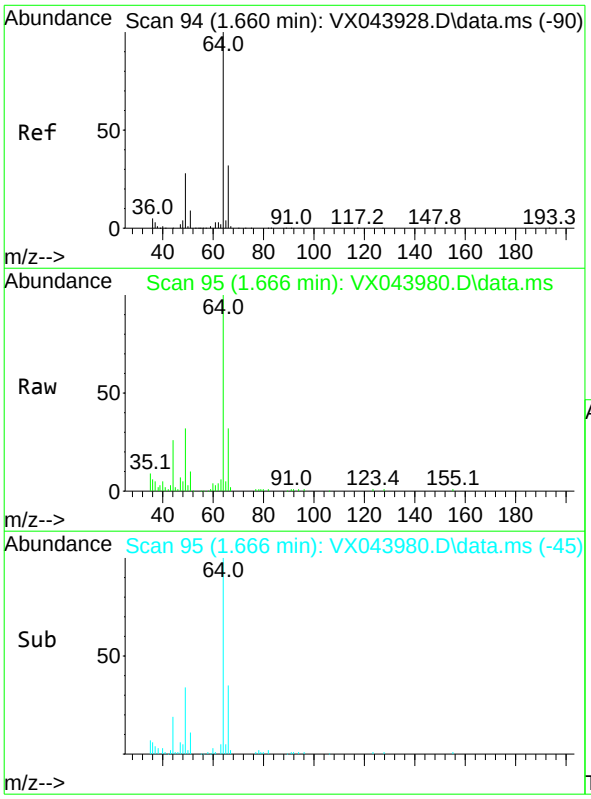
Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

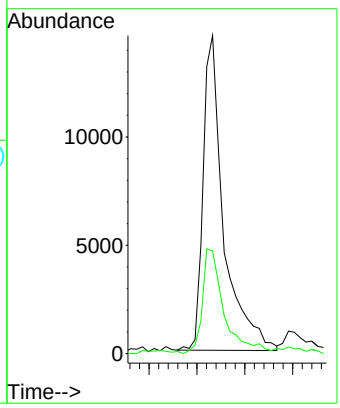
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

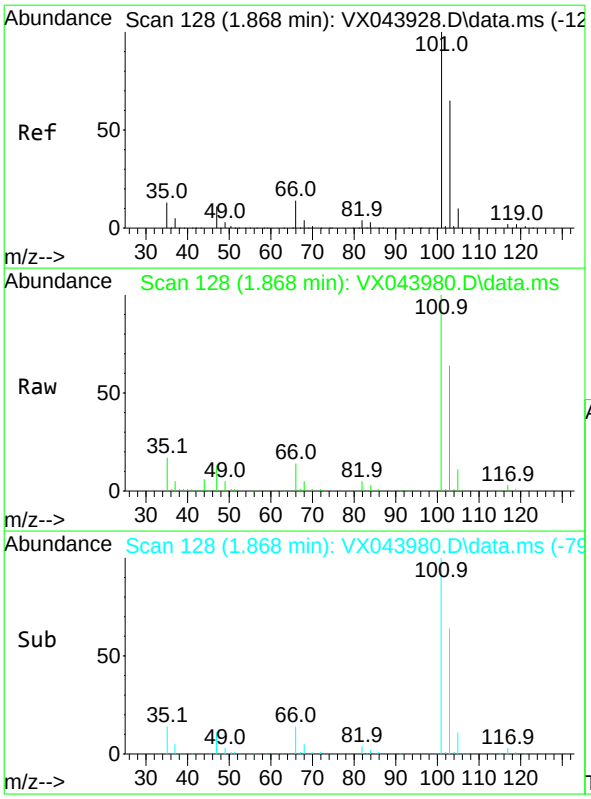


#6
Chloroethane
Concen: 19.423 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 64 Resp: 21661

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.9	38.9

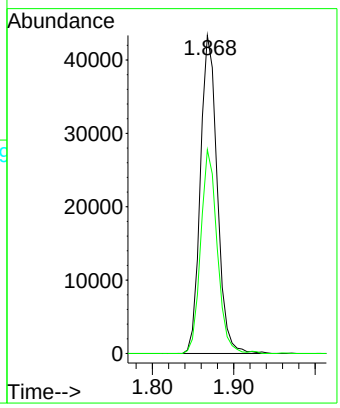




#7
Trichlorofluoromethane
Concen: 19.027 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:101 Resp: 62260

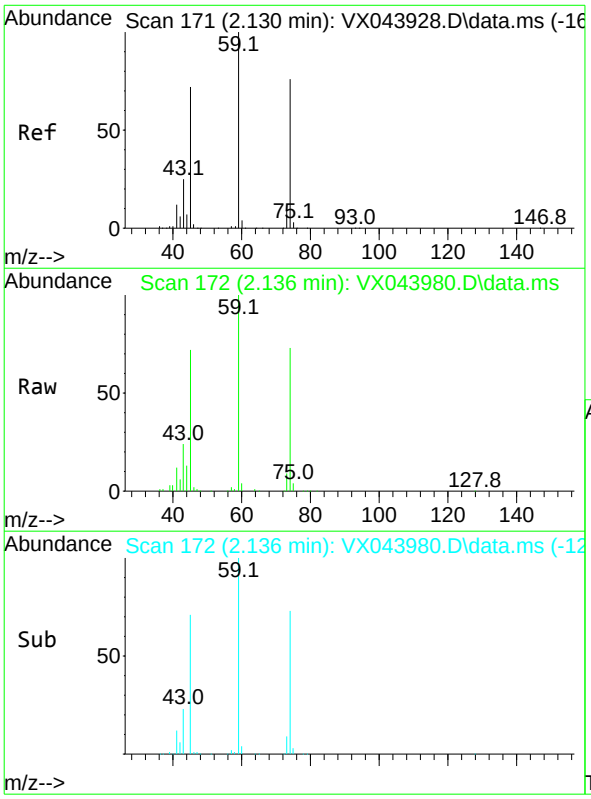
Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

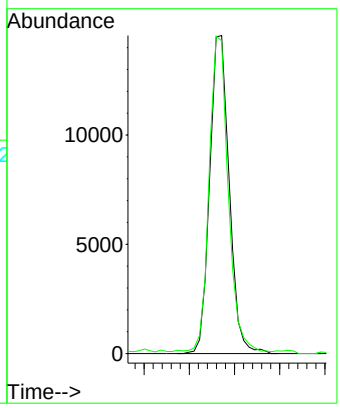
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

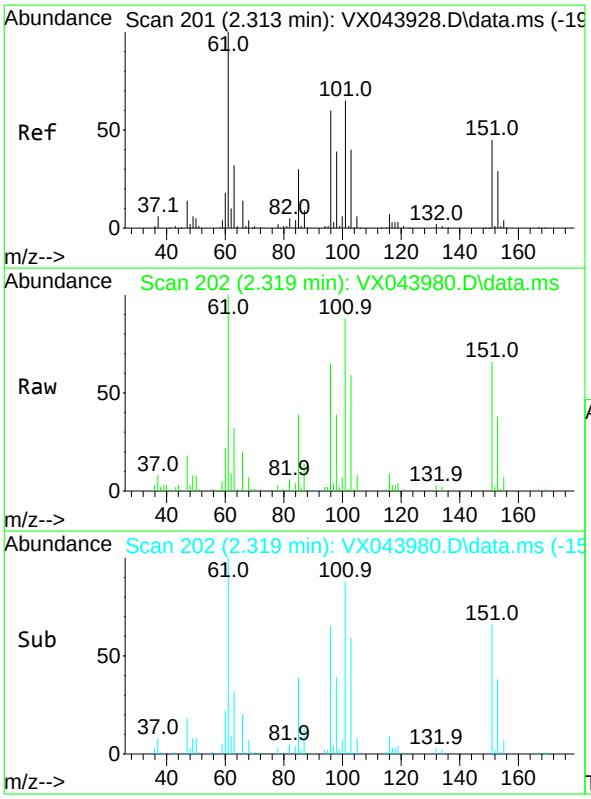


#8
Diethyl Ether
Concen: 18.287 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 74 Resp: 21810

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.9	143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.549 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

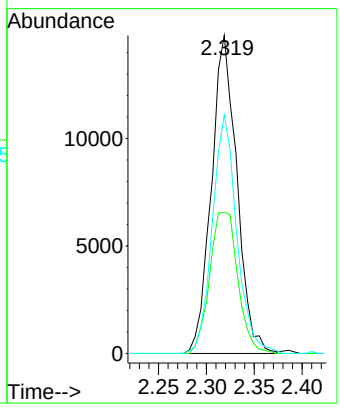
Tgt Ion:101 Resp: 27391

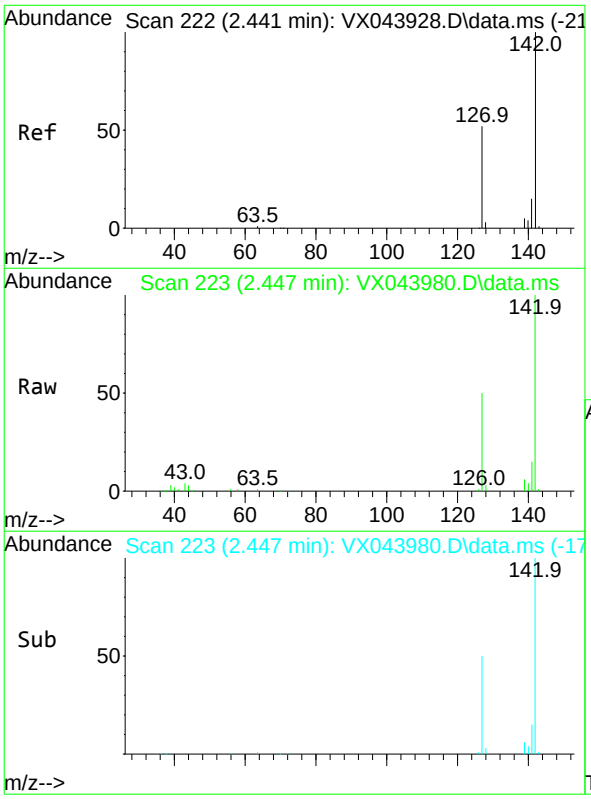
Ion	Ratio	Lower	Upper
101	100		
85	49.0	37.9	56.9
151	72.1	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

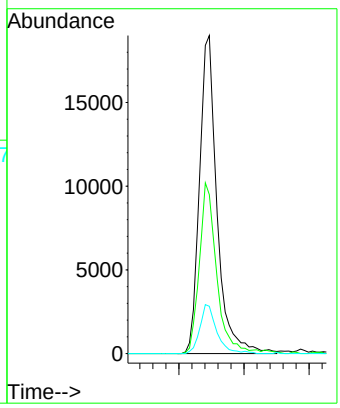


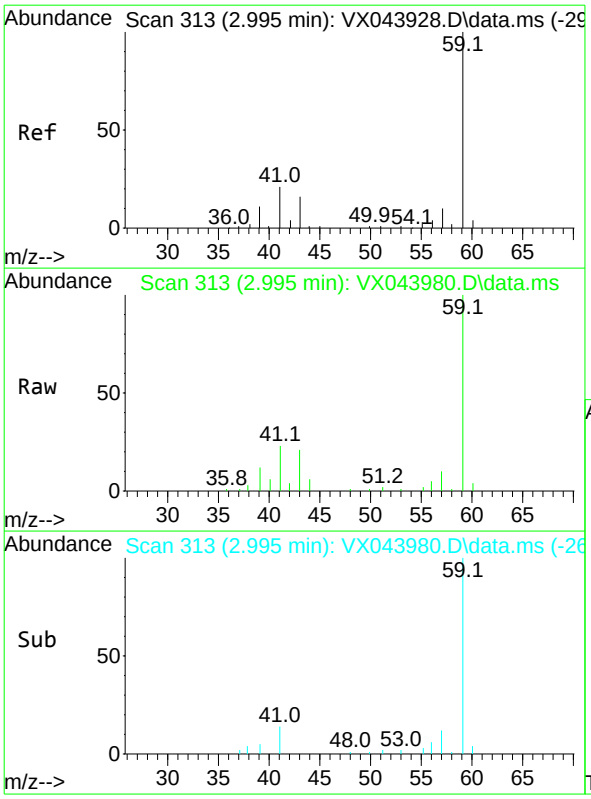


#10
Methyl Iodide
Concen: 18.224 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:142 Resp: 35527

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.7	61.1
141	14.9	12.0	18.0

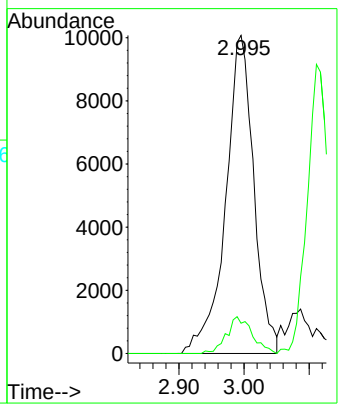




#11
Tert butyl alcohol
Concen: 85.282 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 59 Resp: 30305

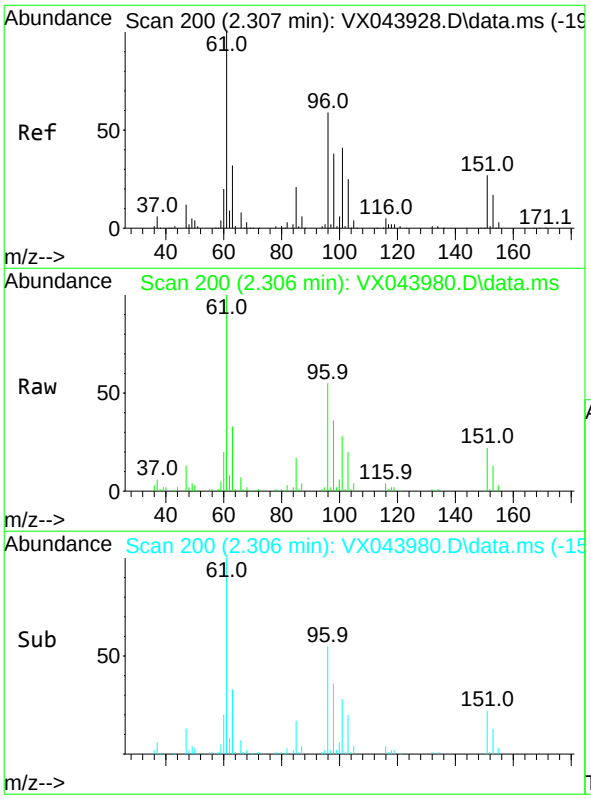
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

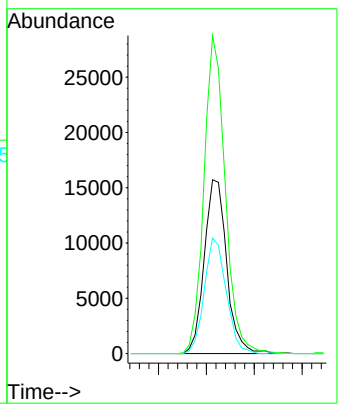
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

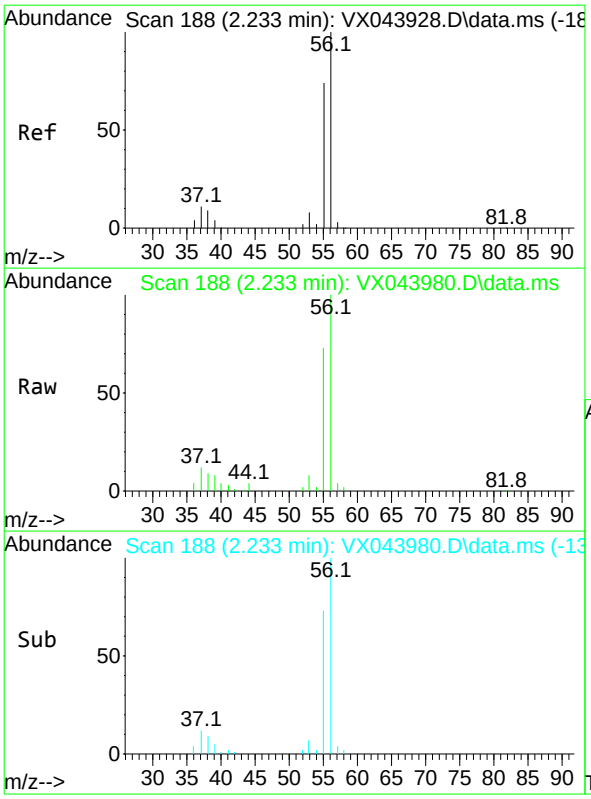


#12
1,1-Dichloroethene
Concen: 17.236 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 96 Resp: 25636

Ion	Ratio	Lower	Upper
96	100		
61	182.9	135.5	203.3
98	66.4	50.8	76.2

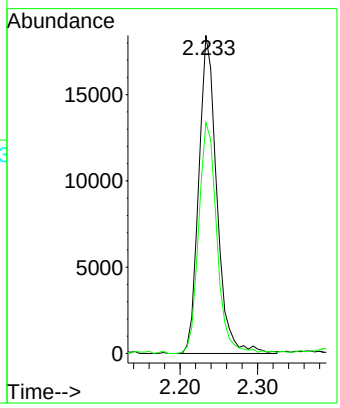




#13
Acrolein
Concen: 79.545 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 56 Resp: 29794

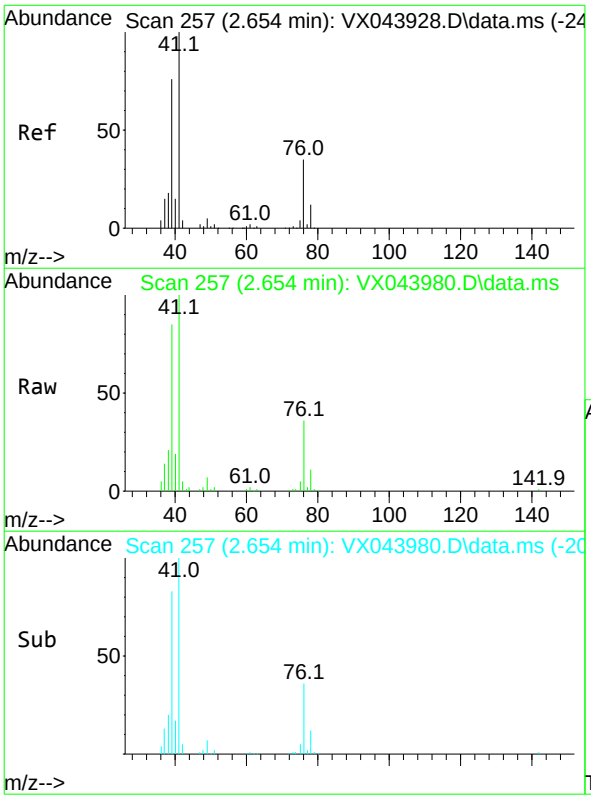
Ion	Ratio	Lower	Upper
56	100		
55	73.7	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

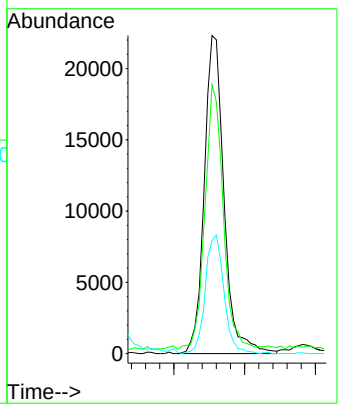
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

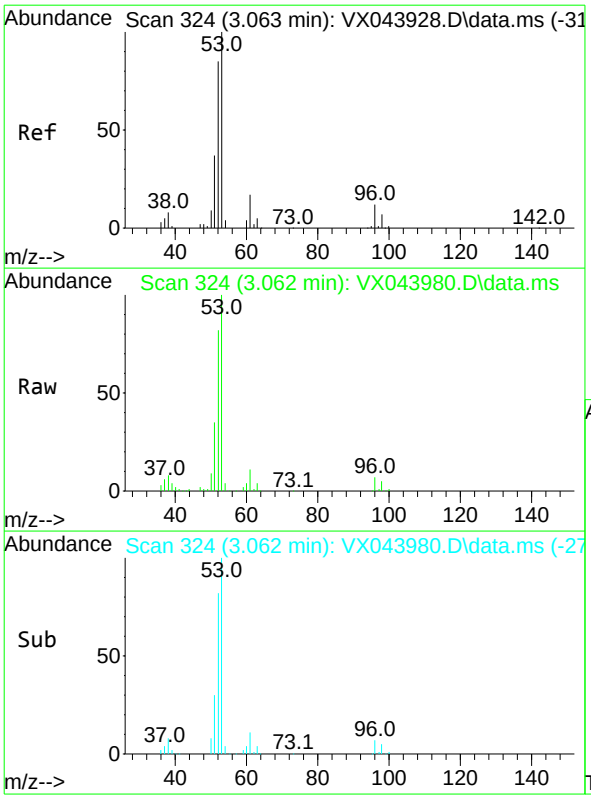


#14
Allyl chloride
Concen: 17.842 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 43363

Ion	Ratio	Lower	Upper
41	100		
39	77.0	59.5	89.3
76	35.1	27.4	41.2

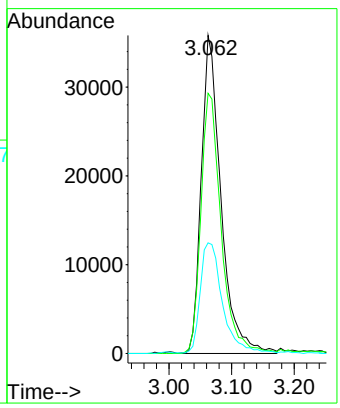




#15
Acrylonitrile
Concen: 90.547 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 53 Resp: 78411

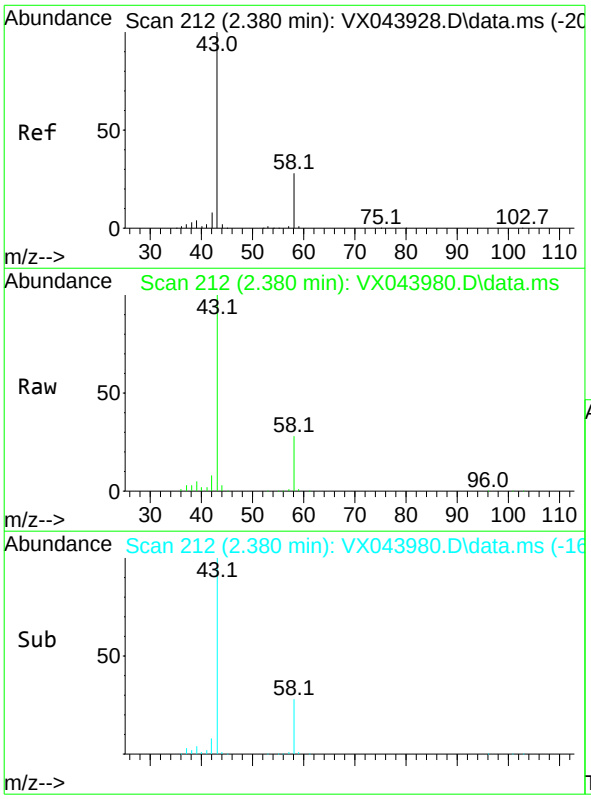
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.5	99.7
51	38.5	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

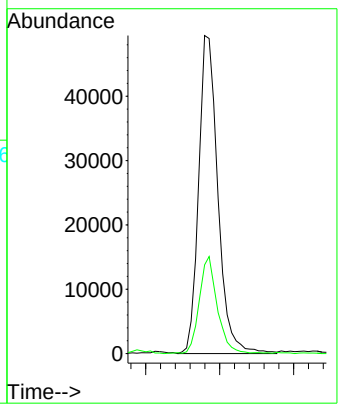
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

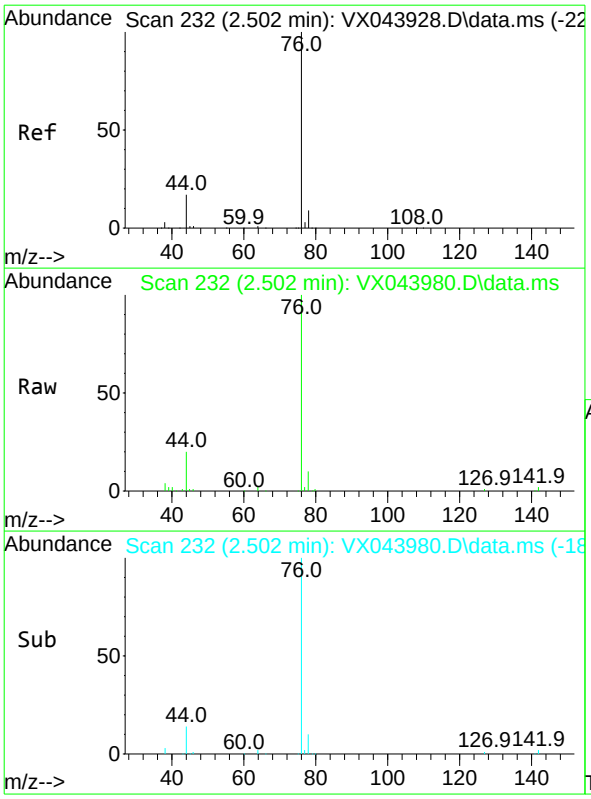


#16
Acetone
Concen: 87.837 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 89315

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.7	34.1

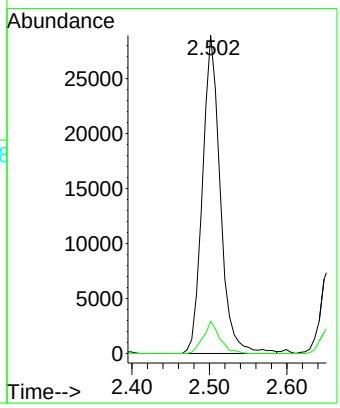




#17
Carbon Disulfide
Concen: 15.048 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 76 Resp: 46168

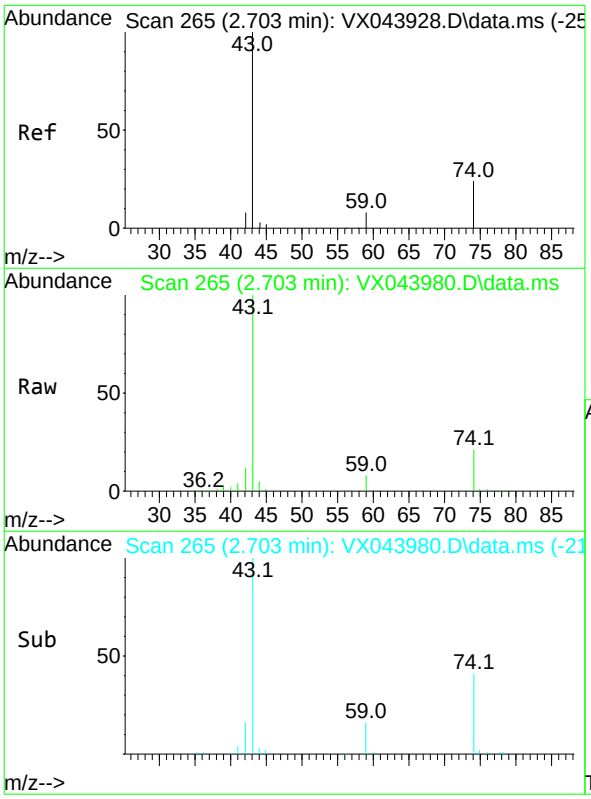
Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

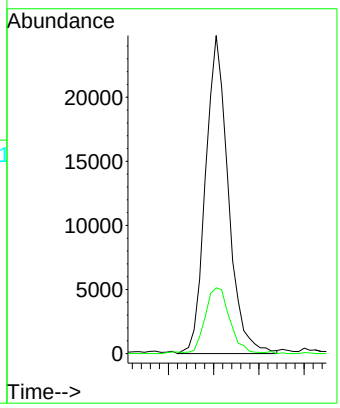
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

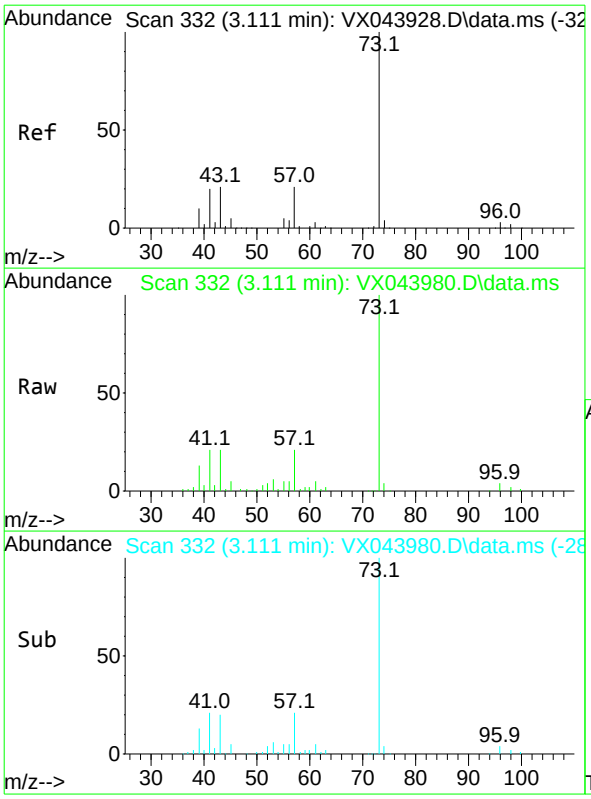


#18
Methyl Acetate
Concen: 18.308 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 43353

Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3

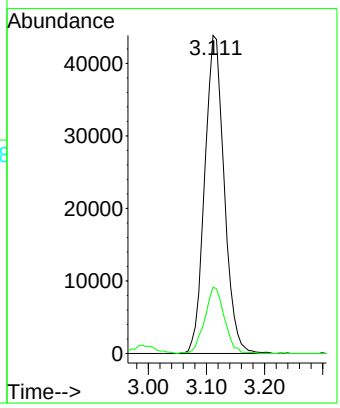




#19
Methyl tert-butyl Ether
Concen: 18.961 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 73 Resp: 102397

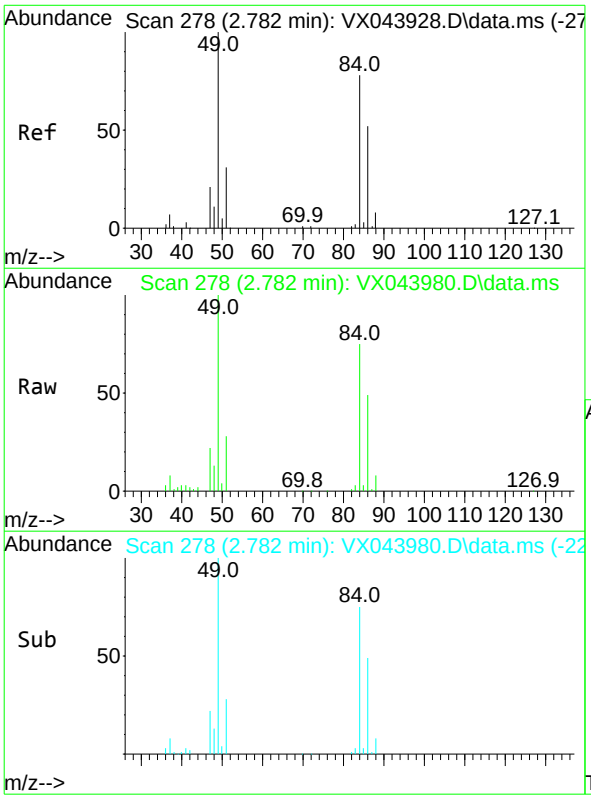
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

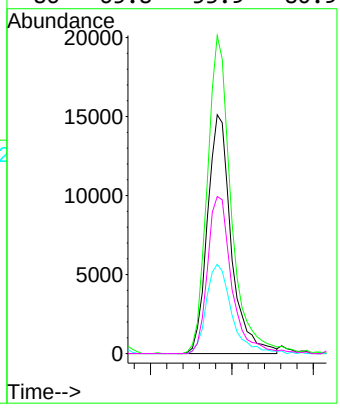
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

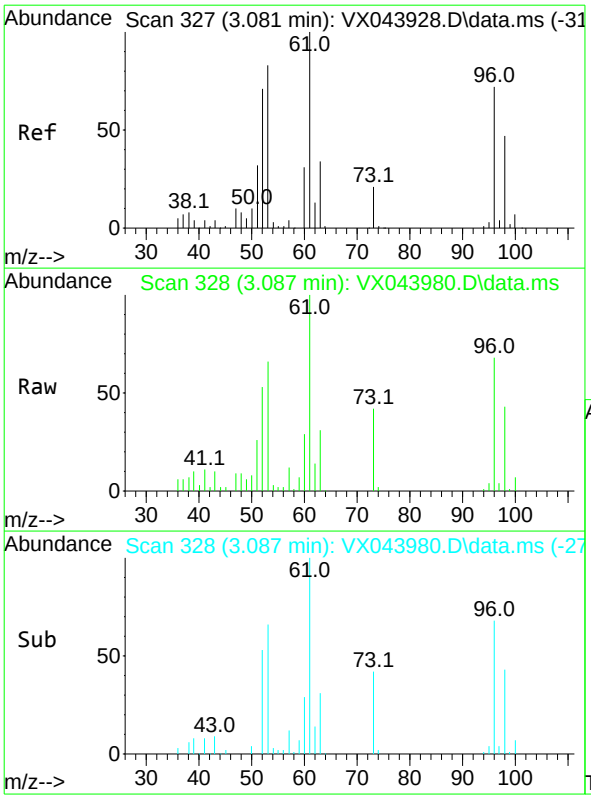


#20
Methylene Chloride
Concen: 17.791 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 84 Resp: 30699

Ion	Ratio	Lower	Upper
84	100		
49	133.2	102.7	154.1
51	37.4	31.7	47.5
86	65.8	53.9	80.9

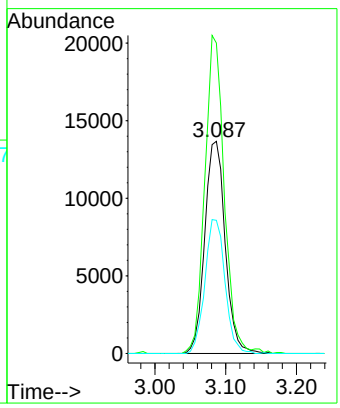




#21
trans-1,2-Dichloroethene
Concen: 17.893 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 96 Resp: 27476

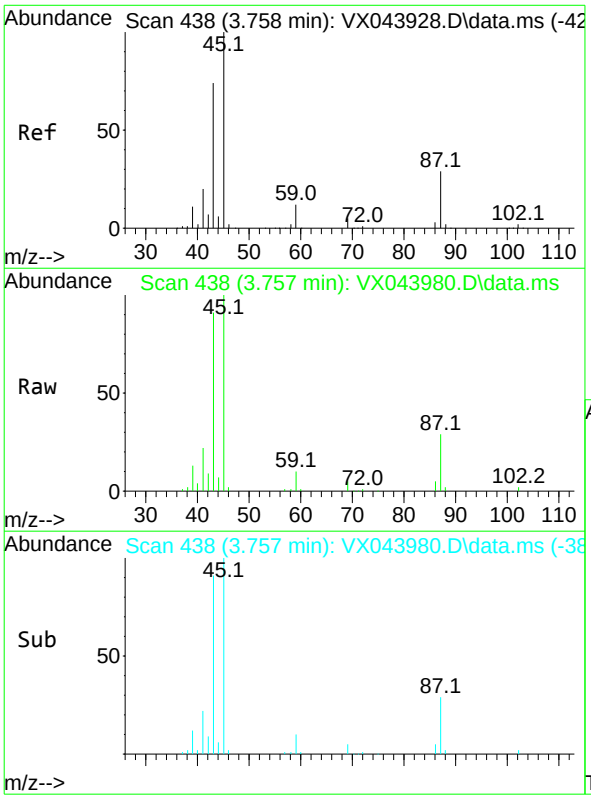
Ion	Ratio	Lower	Upper
96	100		
61	146.3	111.8	167.6
98	62.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

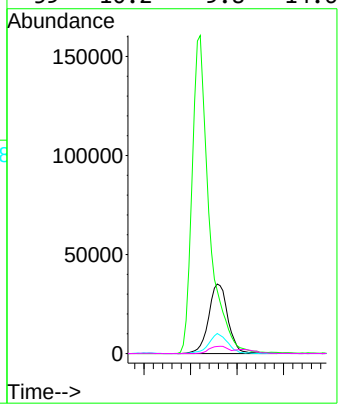
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

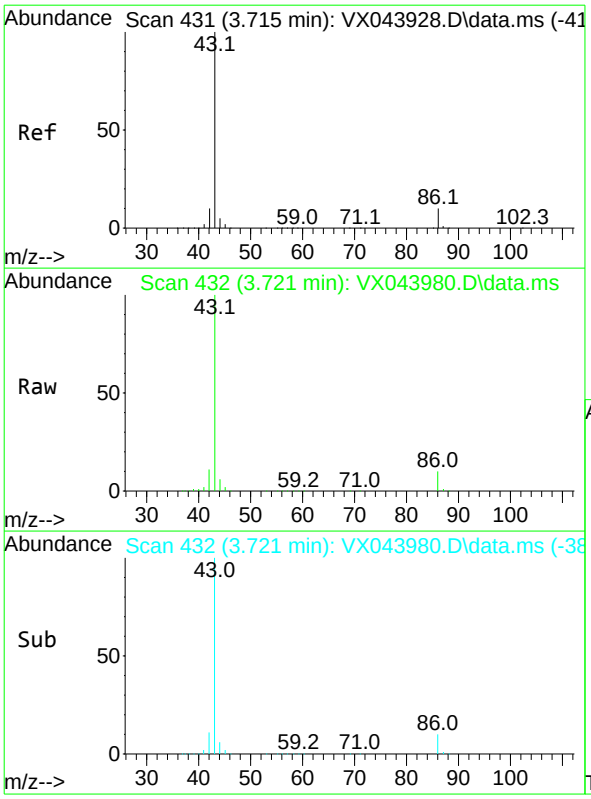


#22
Diisopropyl ether
Concen: 19.474 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 45 Resp: 101204

Ion	Ratio	Lower	Upper
45	100		
43	90.3	59.6	89.4#
87	28.8	22.9	34.3
59	10.2	9.8	14.6

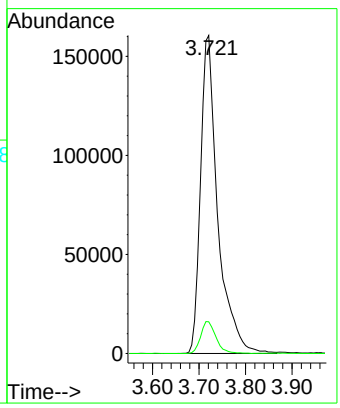




#23
Vinyl Acetate
Concen: 92.903 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 413005

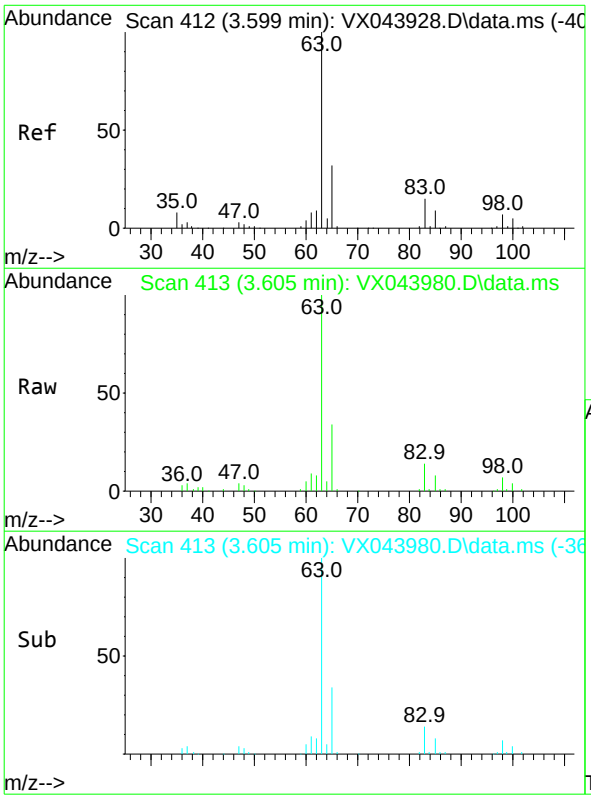
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

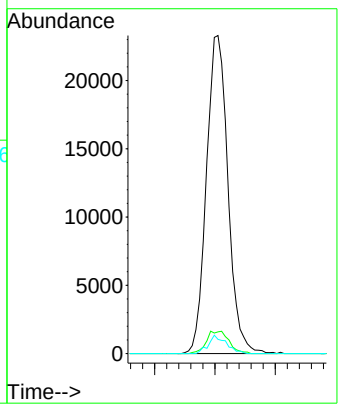
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

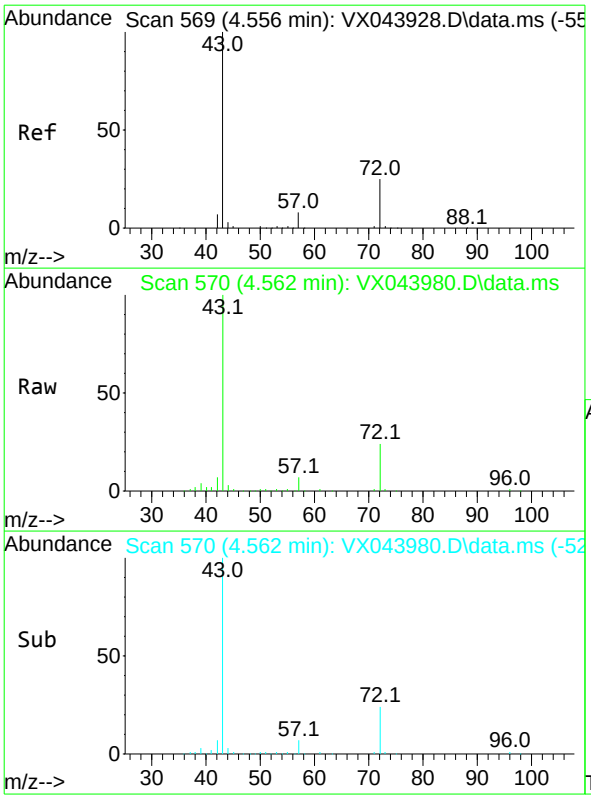


#24
1,1-Dichloroethane
Concen: 19.291 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 57833

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.5	2.4	7.1

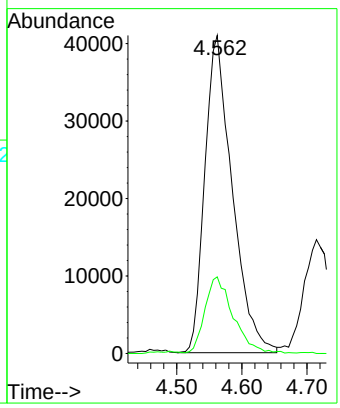




#25
2-Butanone
Concen: 91.330 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 119828

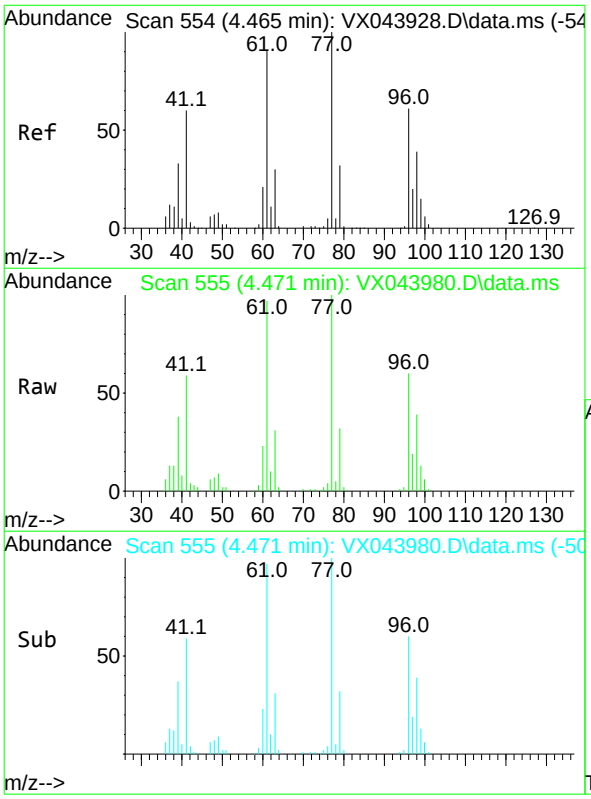
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

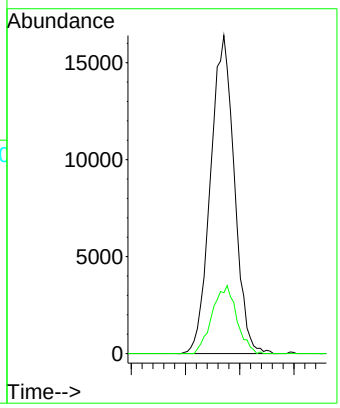
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

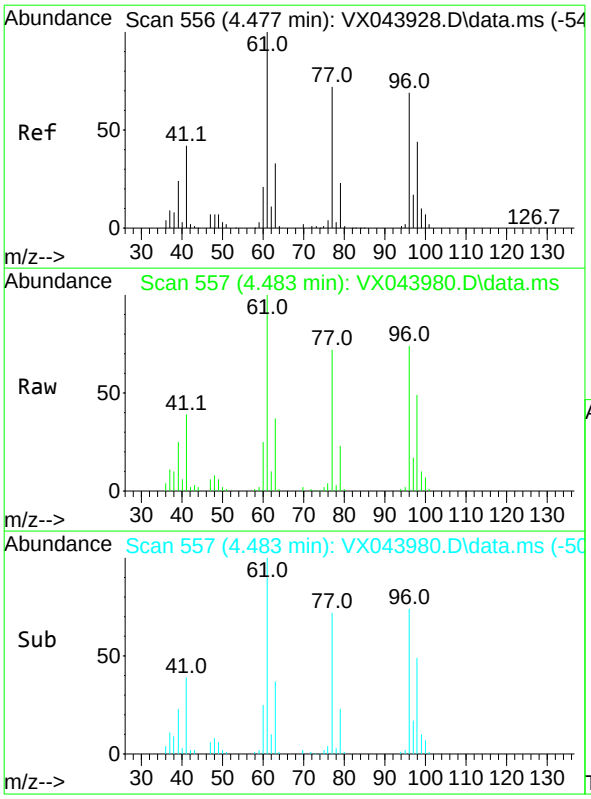


#26
2,2-Dichloropropane
Concen: 18.480 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 77 Resp: 50034

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 18.672 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

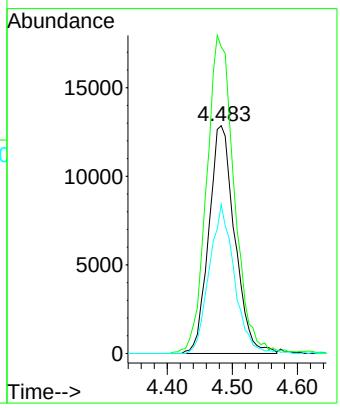
Tgt Ion: 96 Resp: 35442

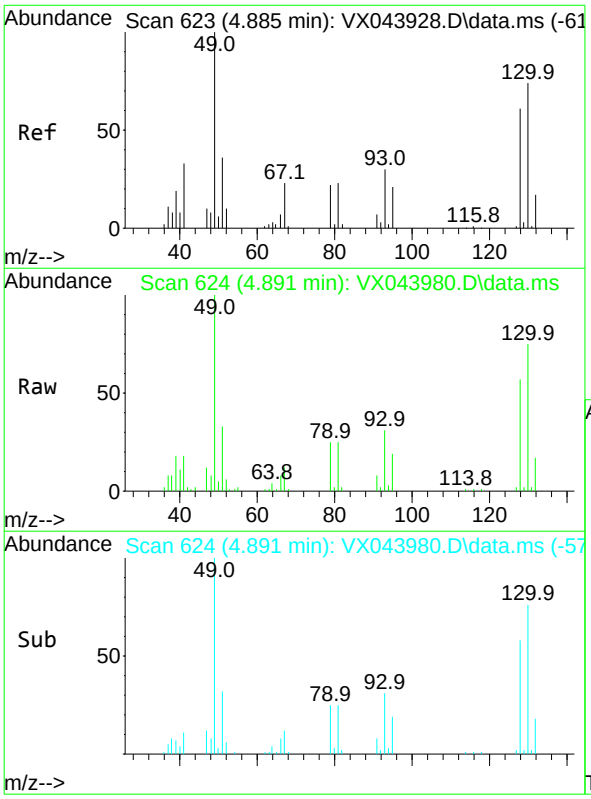
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.4
98	63.4	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

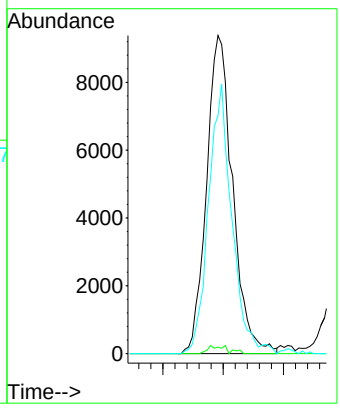


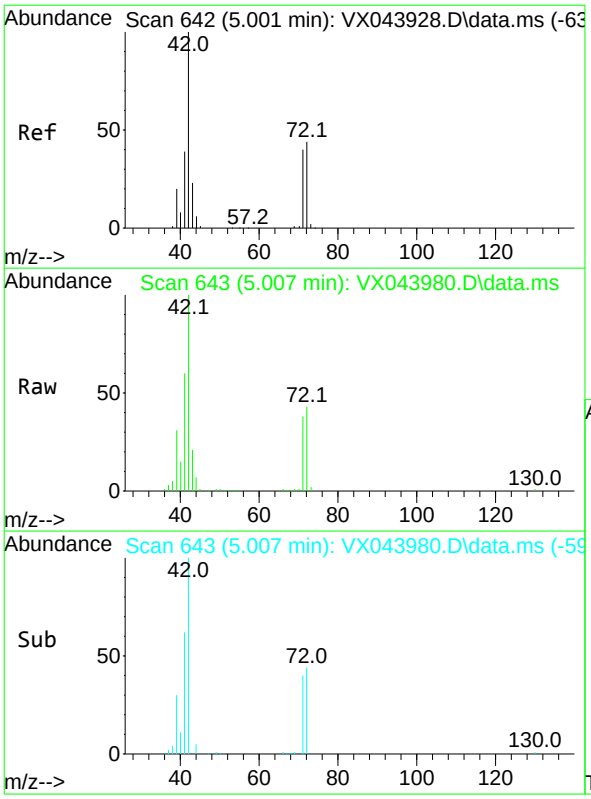


#28
Bromochloromethane
Concen: 21.335 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 49 Resp: 28155

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	76.0	59.0	88.6

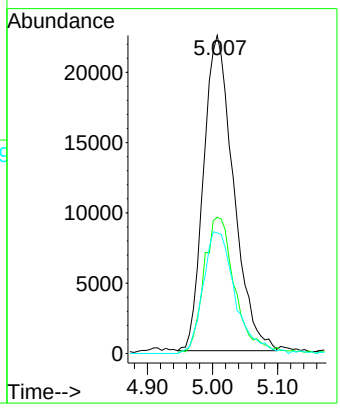




#29
Tetrahydrofuran
Concen: 89.055 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 42 Resp: 71632

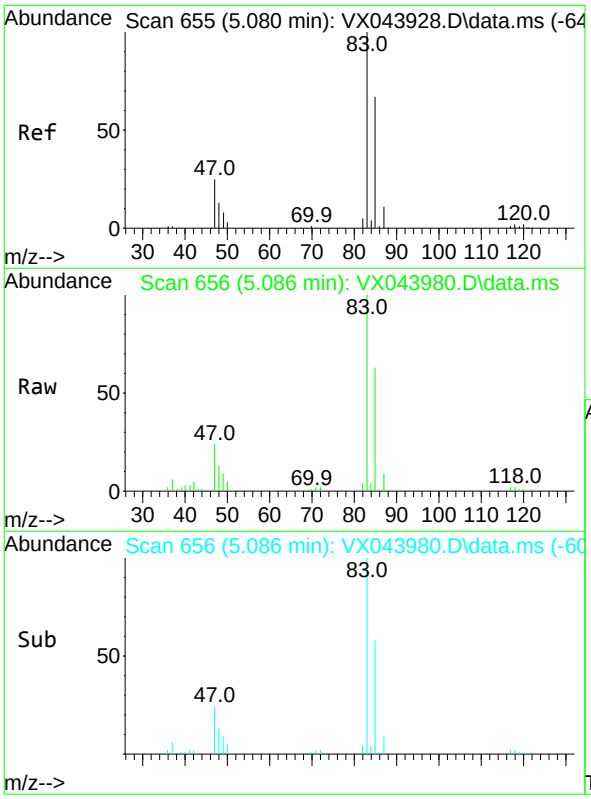
Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.4	54.6
71	41.2	33.4	50.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

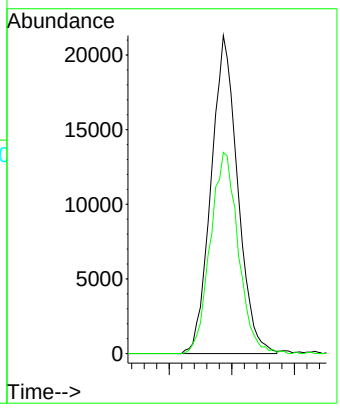
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

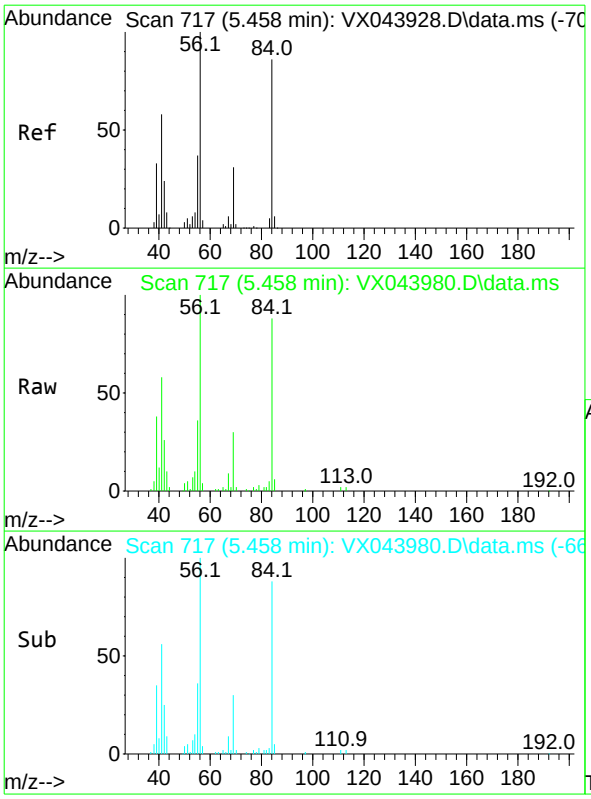


#30
Chloroform
Concen: 19.474 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 62792

Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.5	80.3





#31
Cyclohexane
Concen: 17.907 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

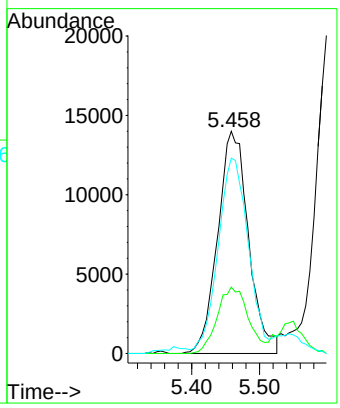
Tgt Ion: 56 Resp: 44185

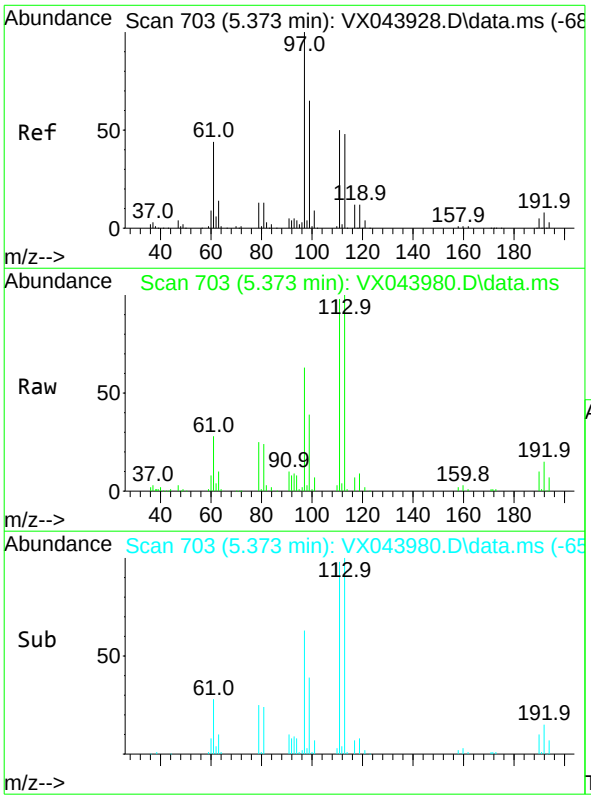
Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.7	37.1
84	85.4	68.7	103.1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

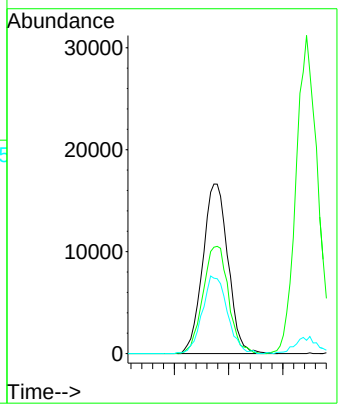


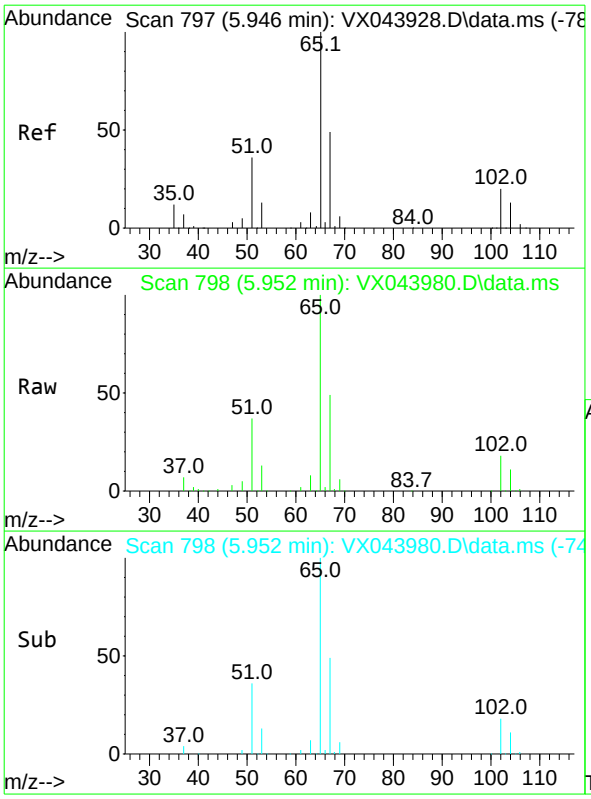


#32
1,1,1-Trichloroethane
Concen: 19.321 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 97 Resp: 53725

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	45.3	35.4	53.2

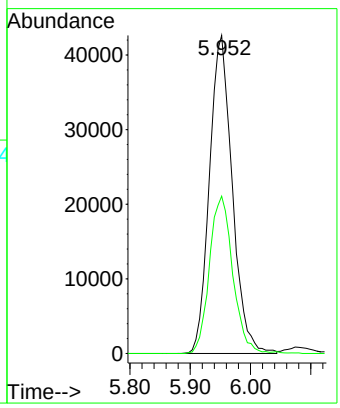




#33
1,2-Dichloroethane-d4
Concen: 50.577 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 65 Resp: 111972

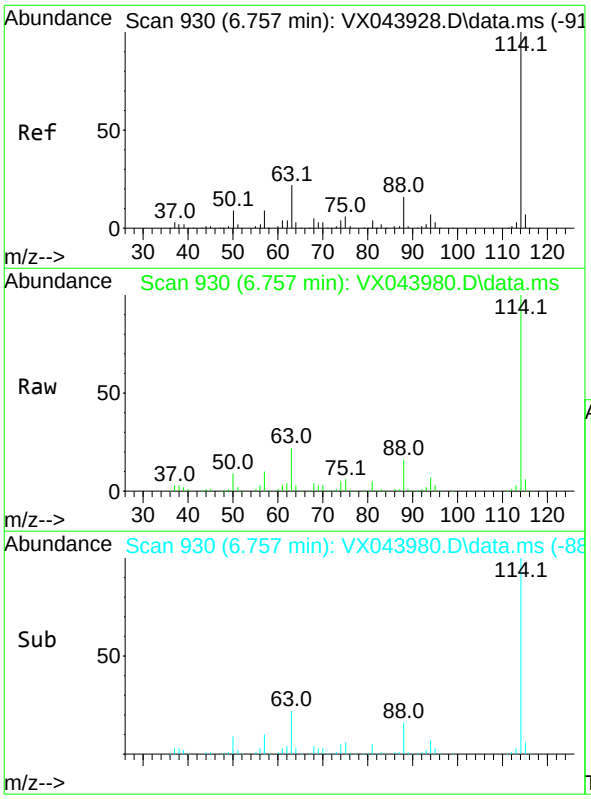
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

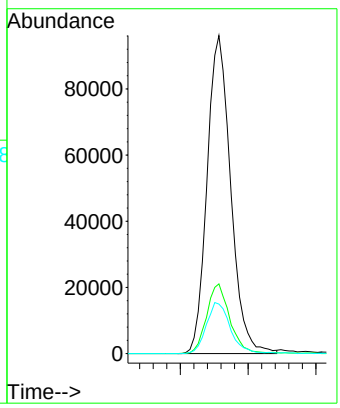
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

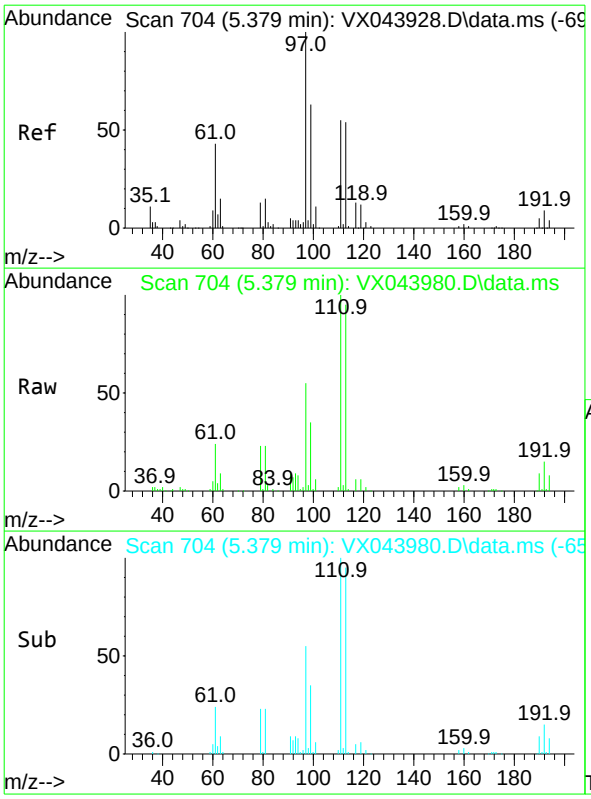


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:114 Resp: 232630

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	15.6	0.0	32.4

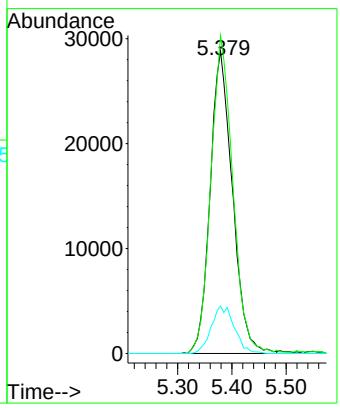




#35
Dibromofluoromethane
Concen: 49.406 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:113 Resp: 82126

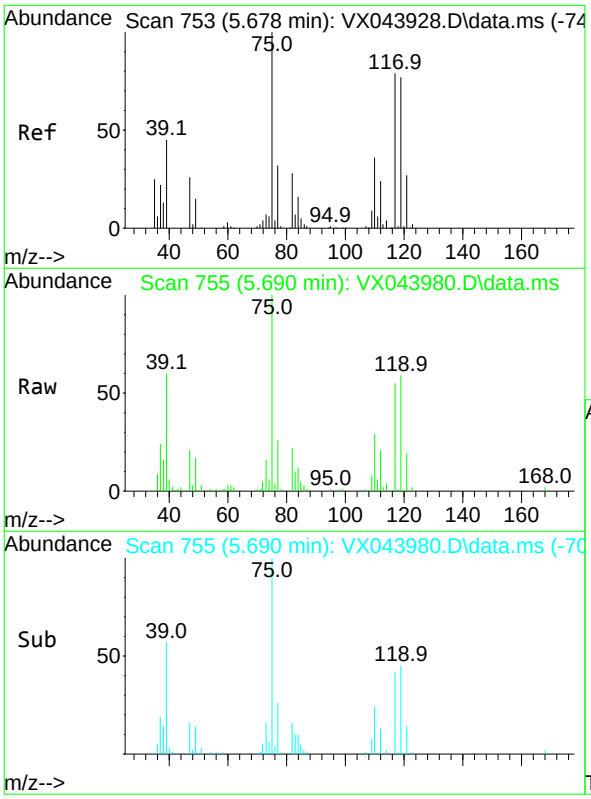
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	16.3	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

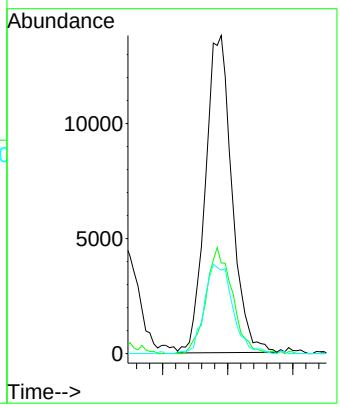
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

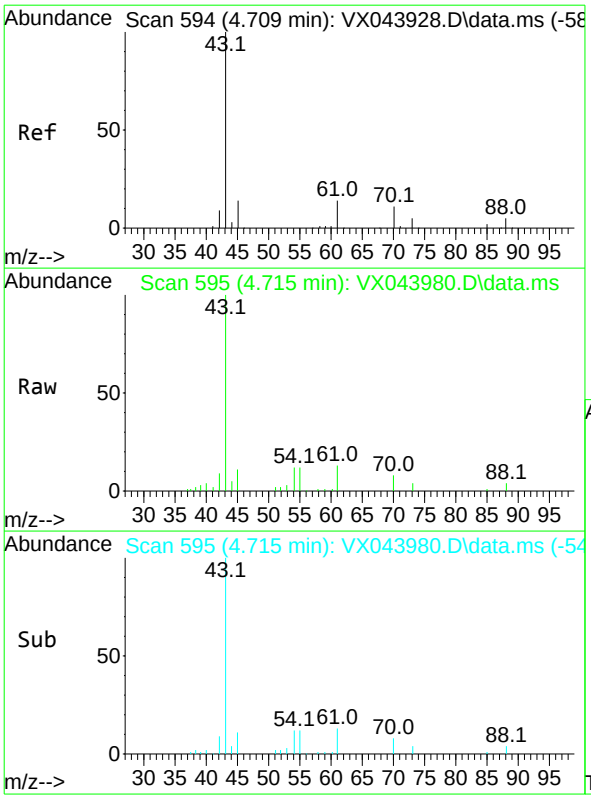


#36
1,1-Dichloropropene
Concen: 18.830 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 39005

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.4	52.2
77	30.0	25.8	38.8

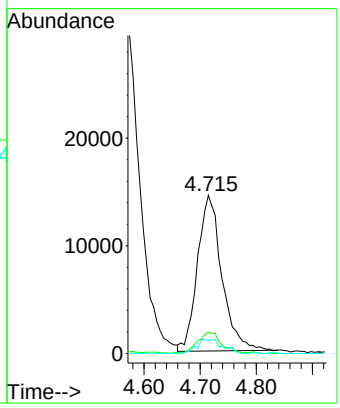




#37
Ethyl Acetate
Concen: 16.958 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 43604

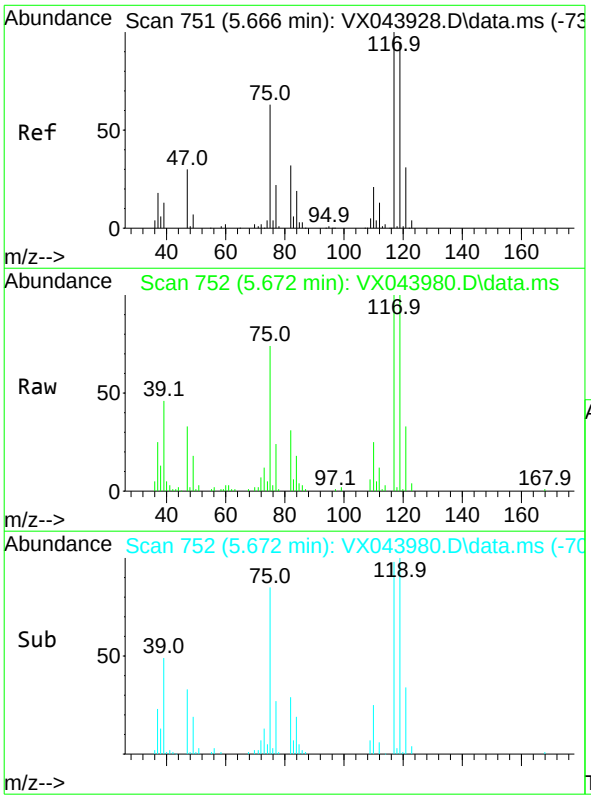
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.4	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

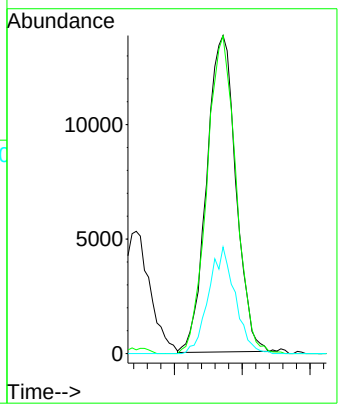
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

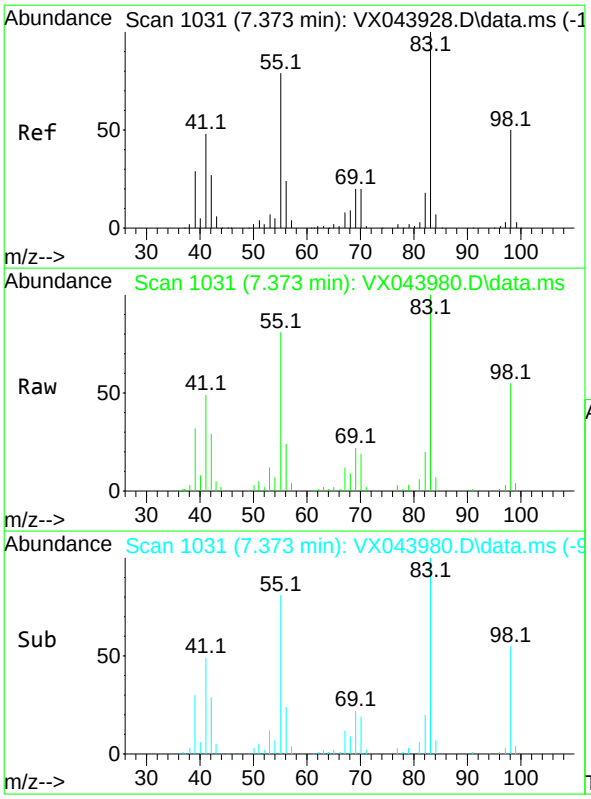


#38
Carbon Tetrachloride
Concen: 17.769 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 41358

Ion	Ratio	Lower	Upper
117	100		
119	100.6	75.2	112.8
121	33.7	24.5	36.7

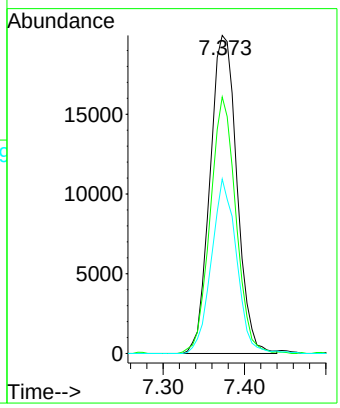




#39
Methylcyclohexane
Concen: 17.047 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 45874

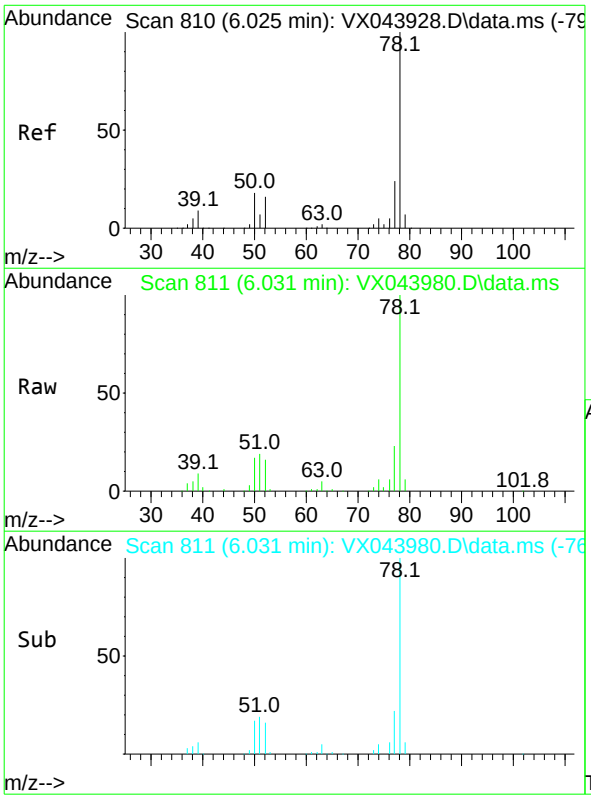
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.1	94.7
98	54.9	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

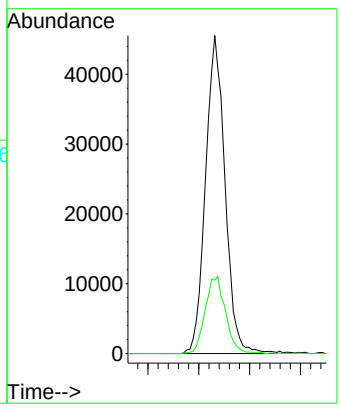
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

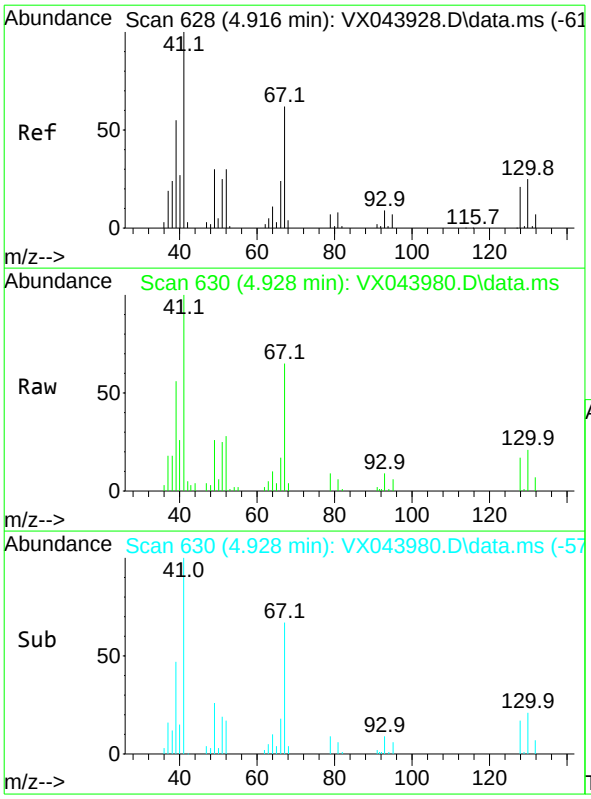


#40
Benzene
Concen: 18.797 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 78 Resp: 121280

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8

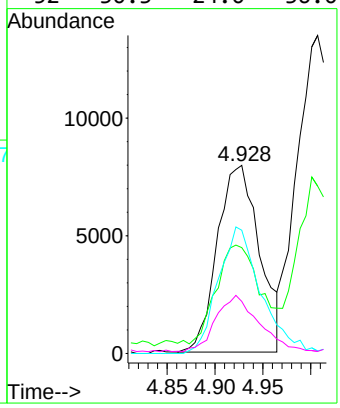




#41
Methacrylonitrile
Concen: 18.537 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 24395

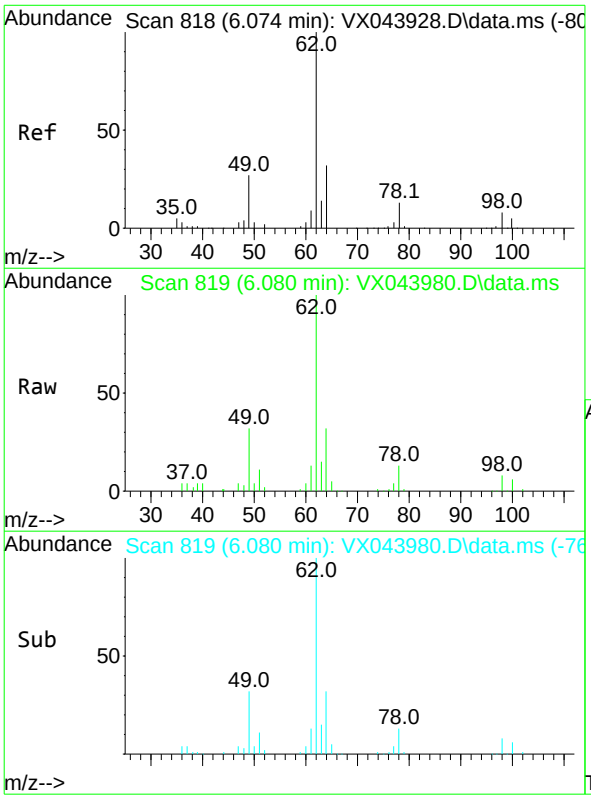
Ion	Ratio	Lower	Upper
41	100		
39	57.0	41.7	62.5
67	69.4	55.8	83.8
52	30.3	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

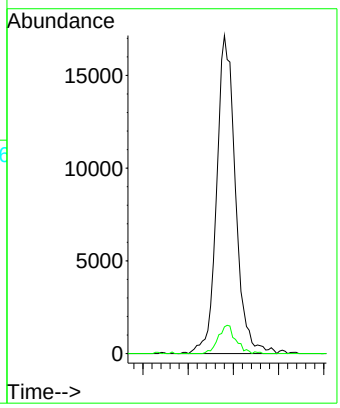
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

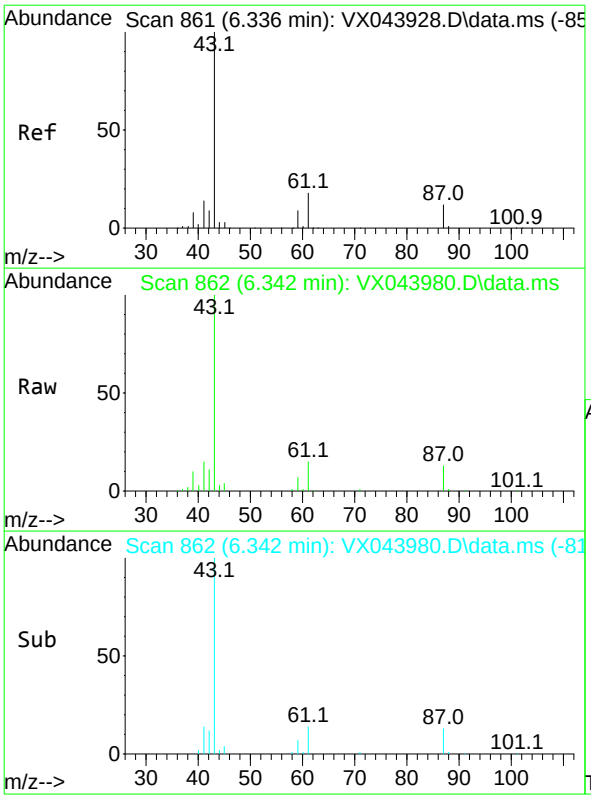


#42
1,2-Dichloroethane
Concen: 19.069 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 49414

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

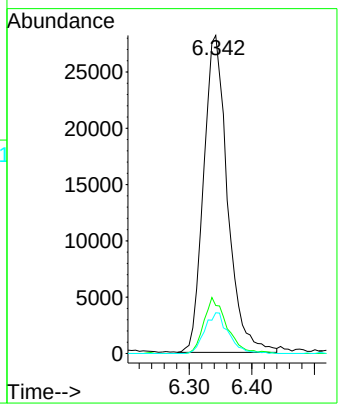




#43
Isopropyl Acetate
Concen: 18.280 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 74800

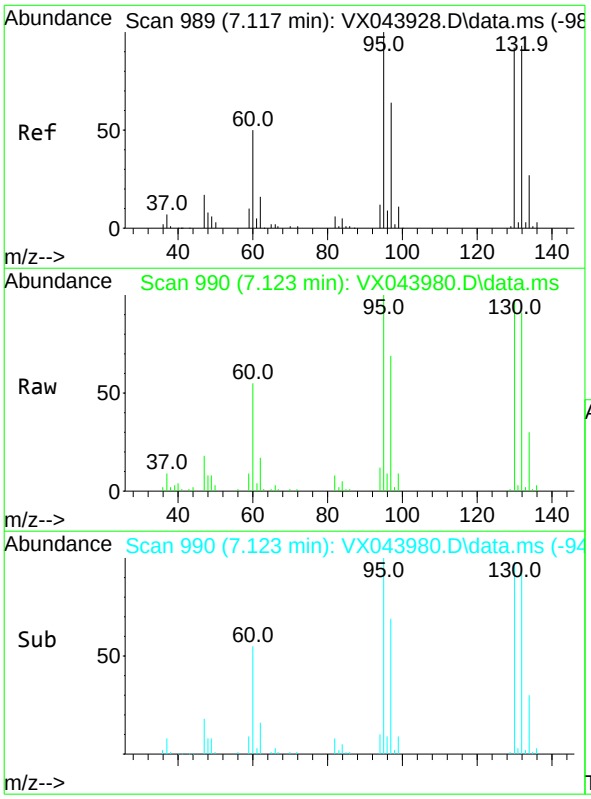
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.5	21.7
87	12.7	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

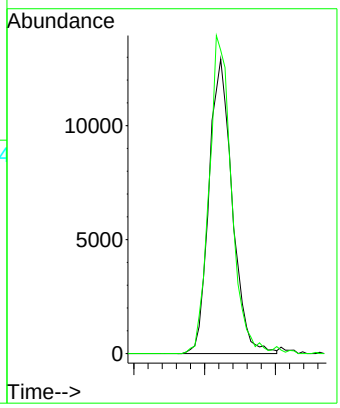
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

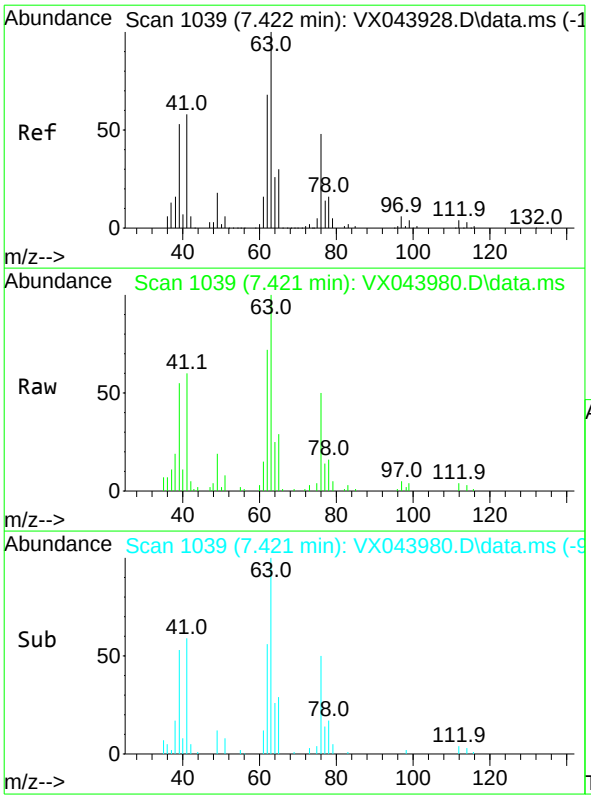


#44
Trichloroethene
Concen: 16.124 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:130 Resp: 29451

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	217.8

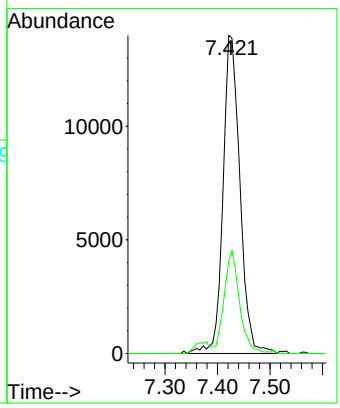




#45
1,2-Dichloropropane
Concen: 19.833 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 31342

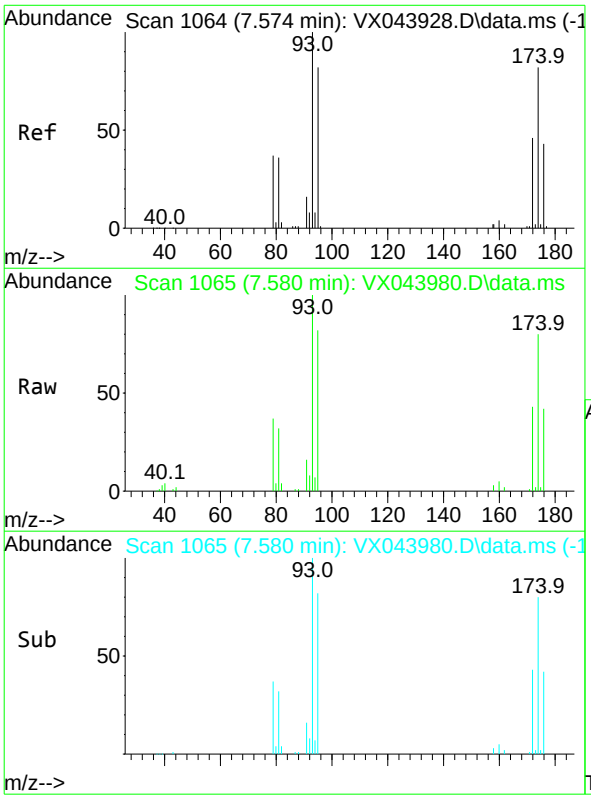
Ion	Ratio	Lower	Upper
63	100		
65	29.1	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

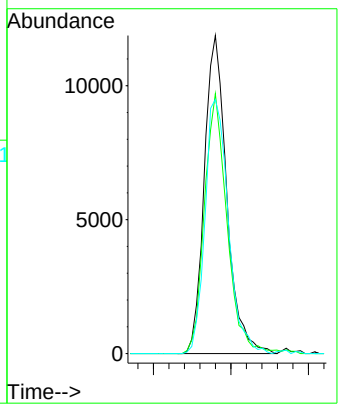
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

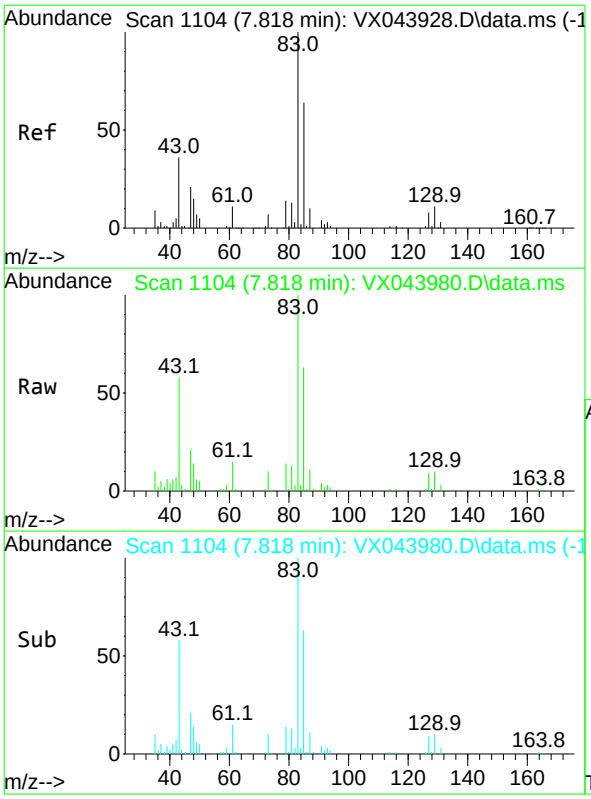


#46
Dibromomethane
Concen: 19.103 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 93 Resp: 23880

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.2	99.4
174	83.3	69.6	104.4

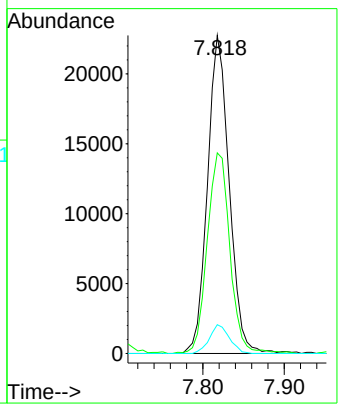




#47
Bromodichloromethane
Concen: 18.804 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 42158

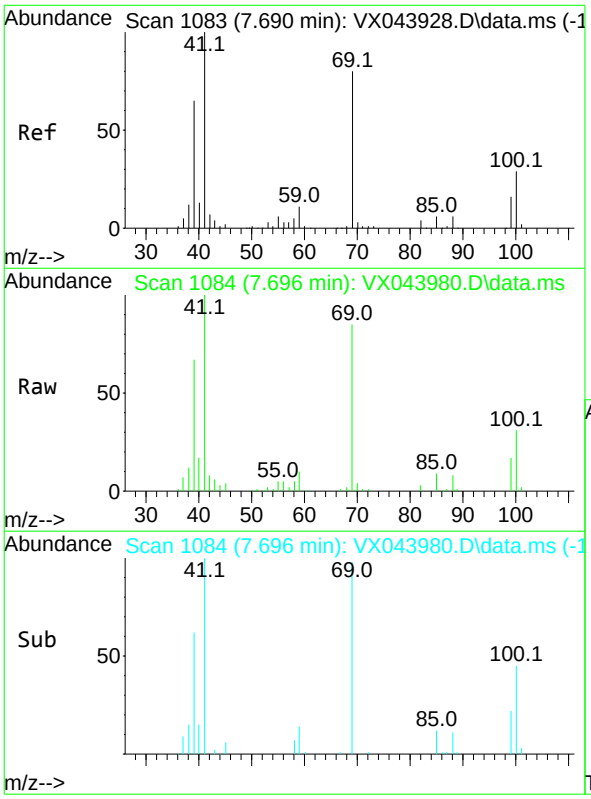
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	9.0	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

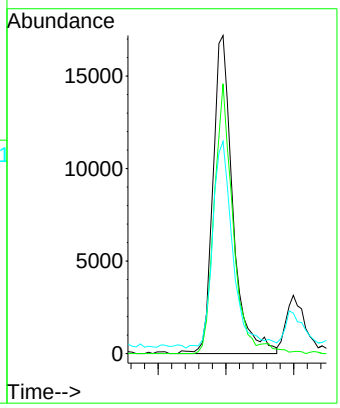
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

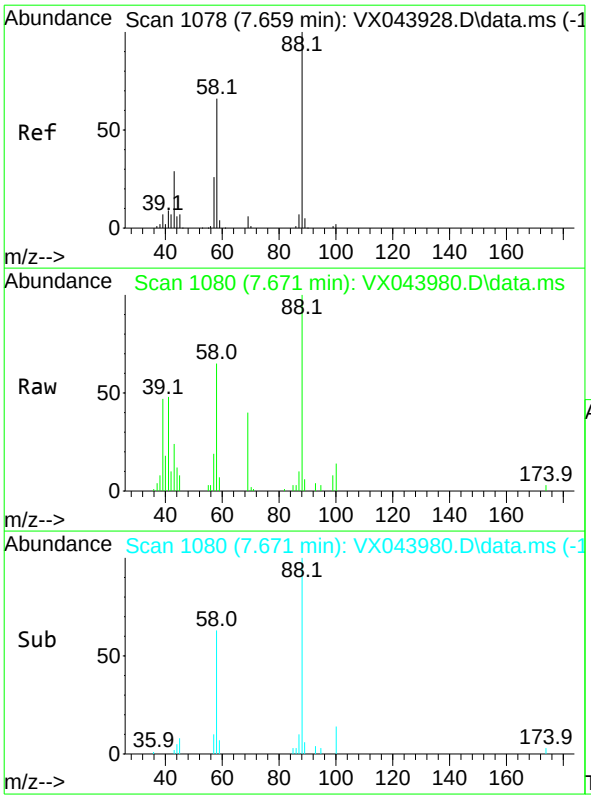


#48
Methyl methacrylate
Concen: 17.747 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 34847

Ion	Ratio	Lower	Upper
41	100		
69	81.1	64.6	97.0
39	66.7	53.3	79.9

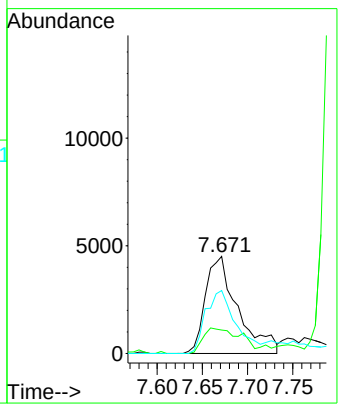




#49
1,4-Dioxane
Concen: 320.363 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 88 Resp: 11205

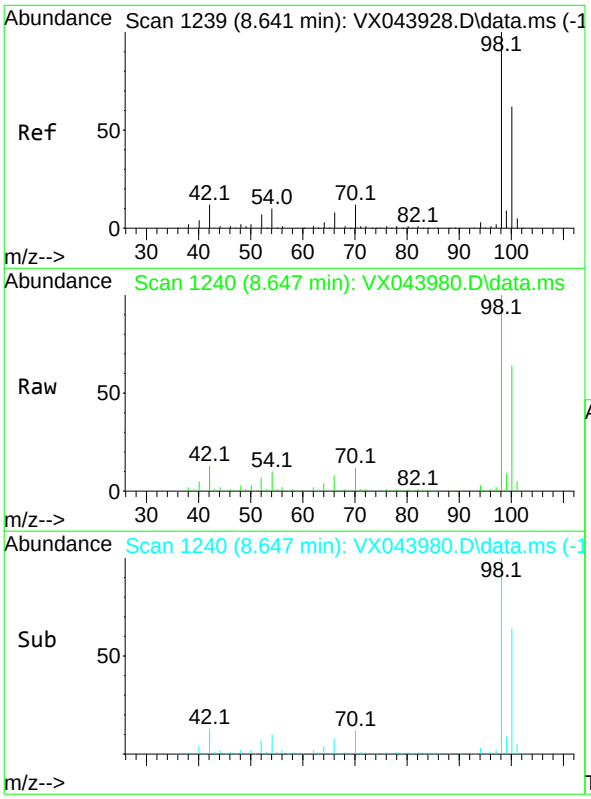
Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.8	40.2
58	60.3	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

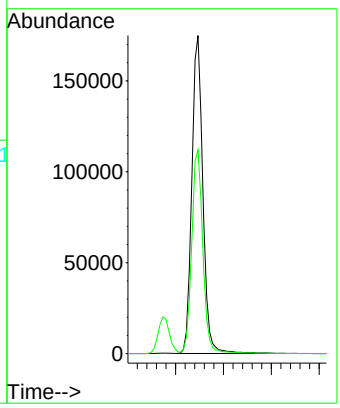
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

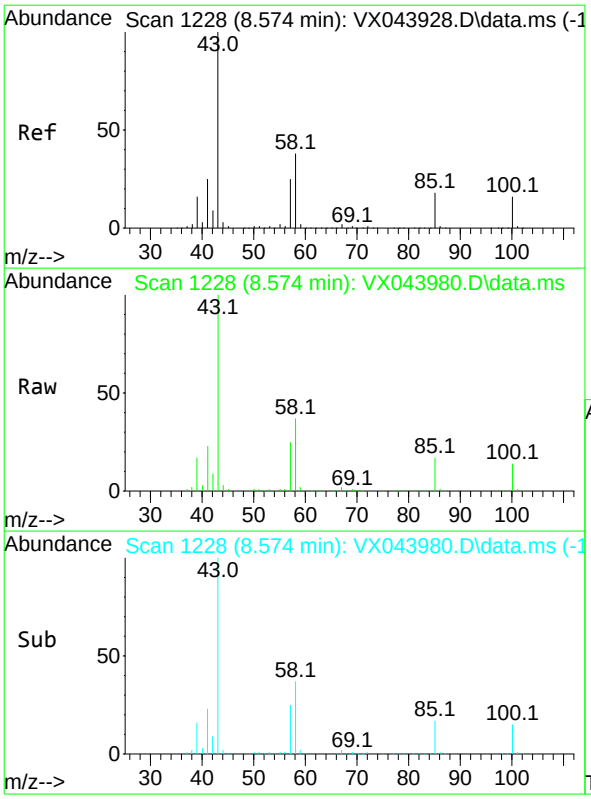


#50
Toluene-d8
Concen: 48.822 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 98 Resp: 279748

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0

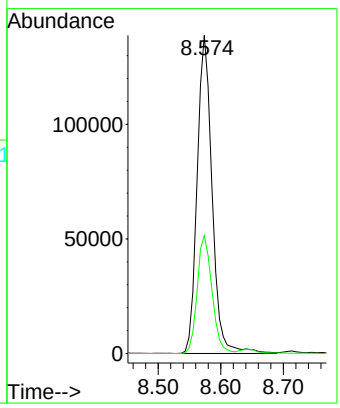




#51
4-Methyl-2-Pentanone
Concen: 92.377 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 230680

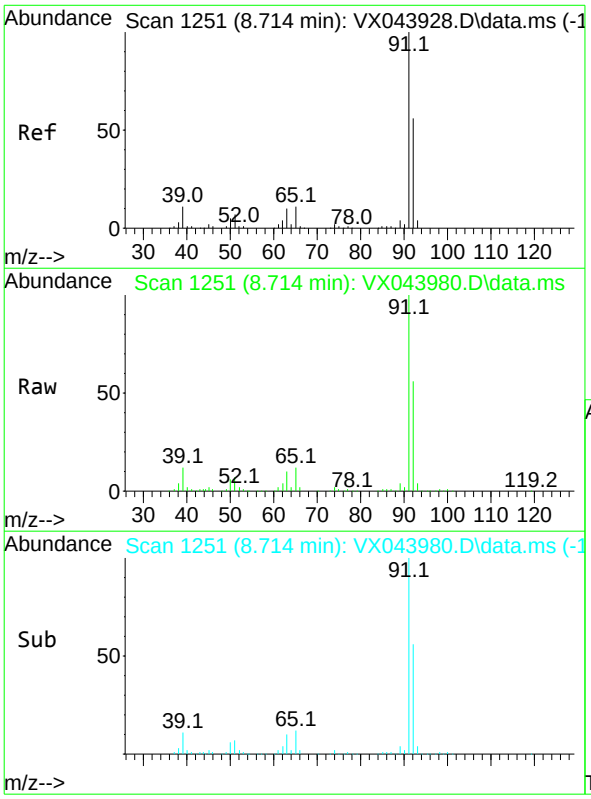
Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

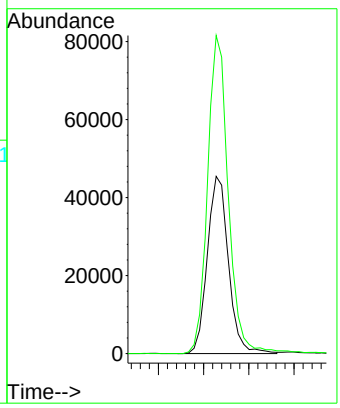
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

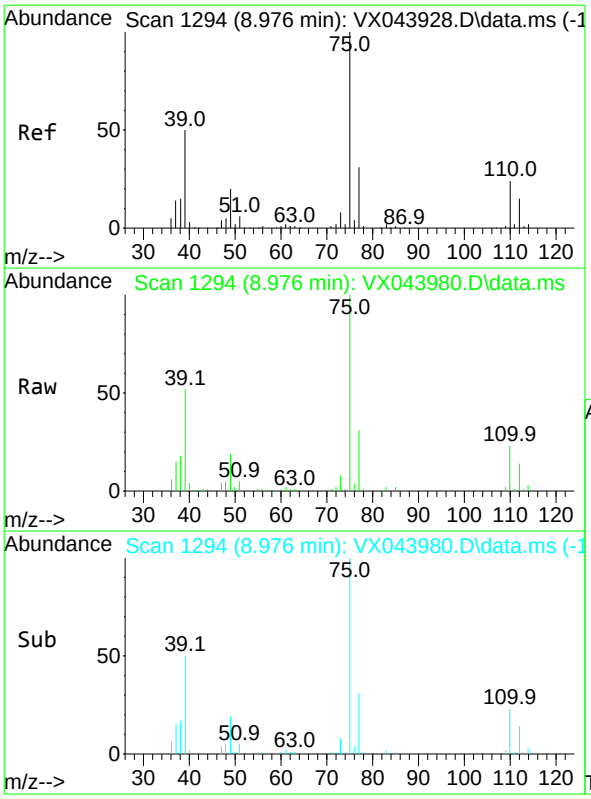


#52
Toluene
Concen: 19.100 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 92 Resp: 73761

Ion	Ratio	Lower	Upper
92	100		
91	177.2	139.7	209.5

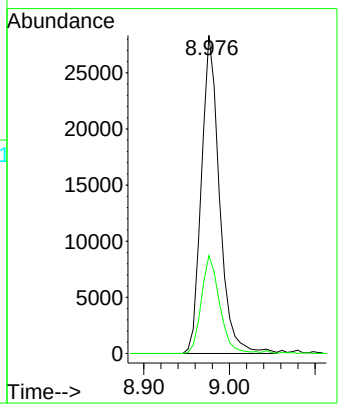




#53
t-1,3-Dichloropropene
Concen: 18.157 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 41513

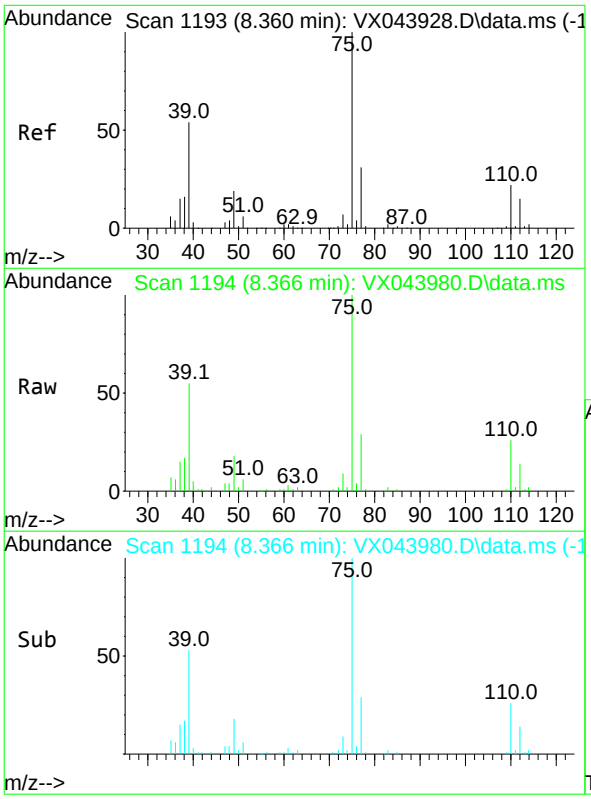
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

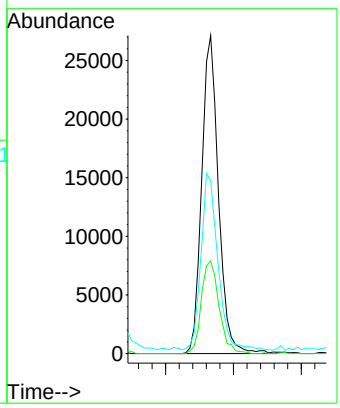
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

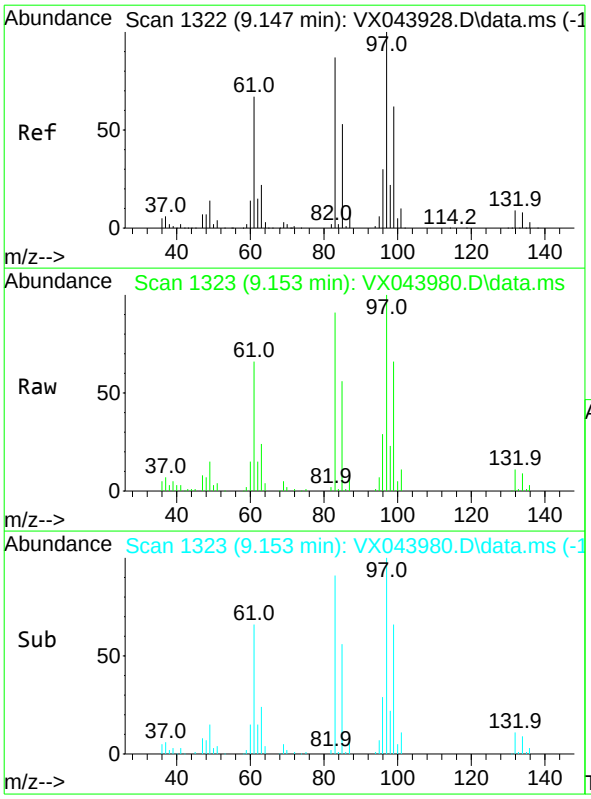


#54
cis-1,3-Dichloropropene
Concen: 18.559 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 46516

Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.2	37.8
39	53.0	43.1	64.7

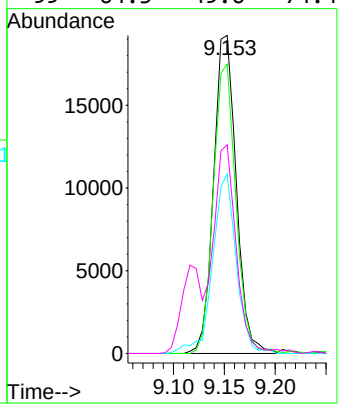




#55
1,1,2-Trichloroethane
Concen: 18.711 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 97 Resp: 29828

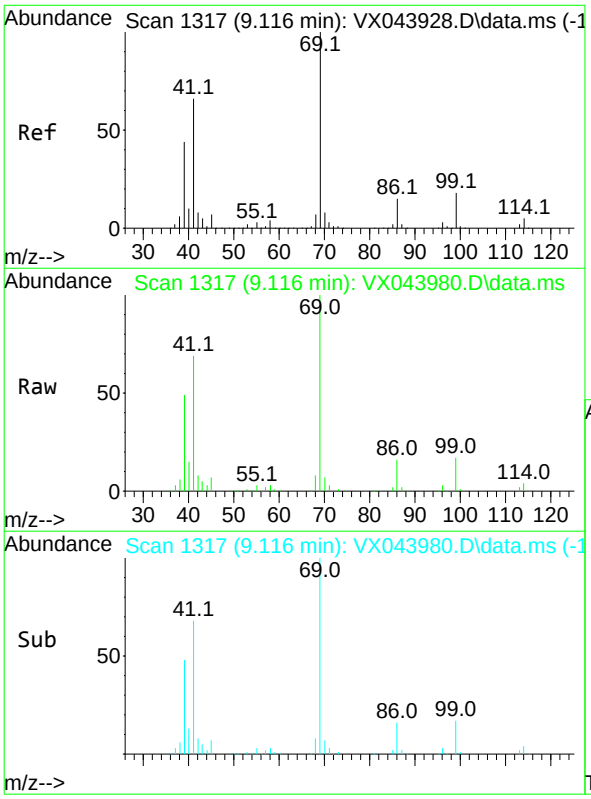
Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.4	104.0
85	56.4	42.3	63.5
99	64.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

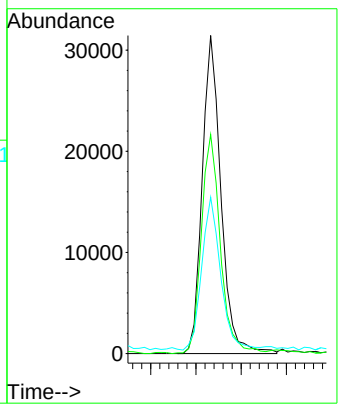
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

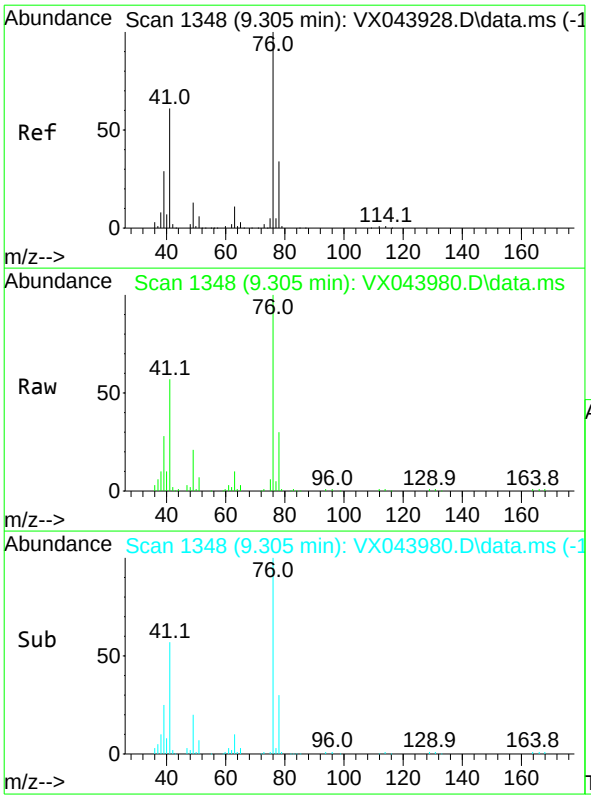


#56
Ethyl methacrylate
Concen: 18.265 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 69 Resp: 45352

Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	48.4	36.7	55.1

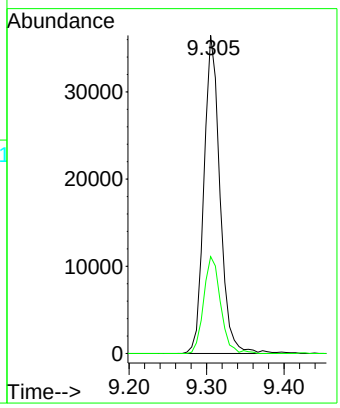




#57
1,3-Dichloropropane
Concen: 19.493 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 76 Resp: 52347

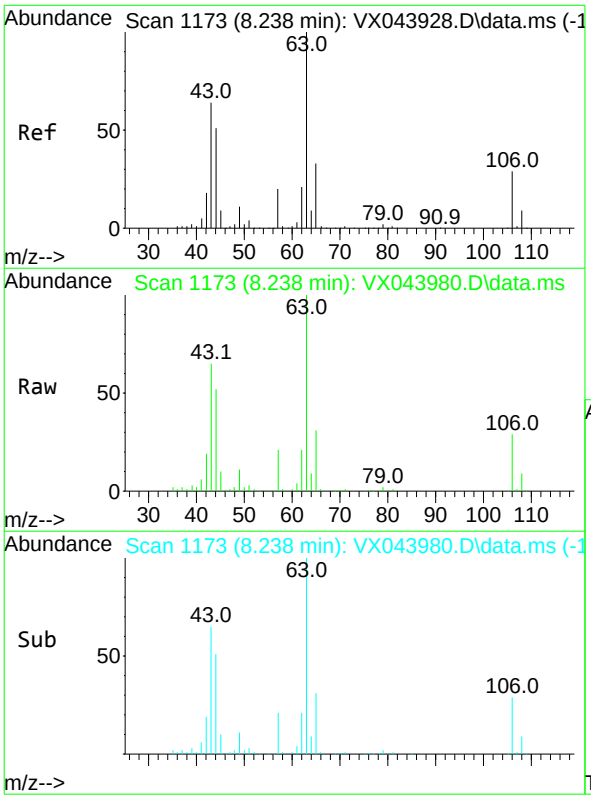
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

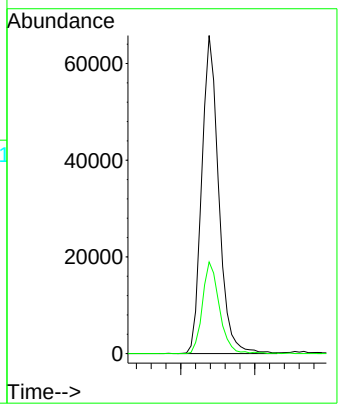
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

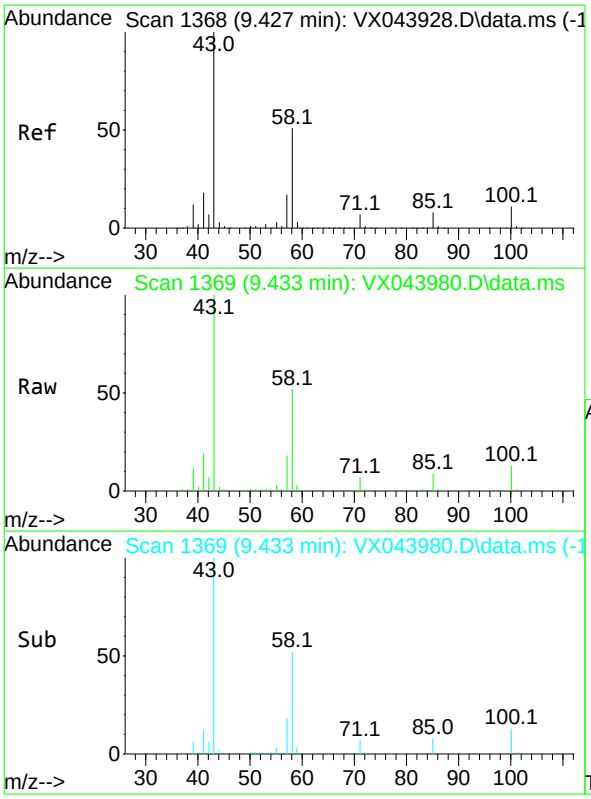


#58
2-Chloroethyl Vinyl ether
Concen: 76.406 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 104808

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6

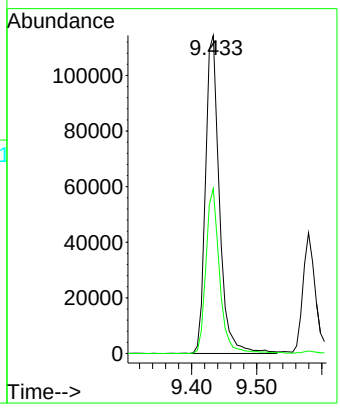




#59
2-Hexanone
Concen: 90.646 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 170135

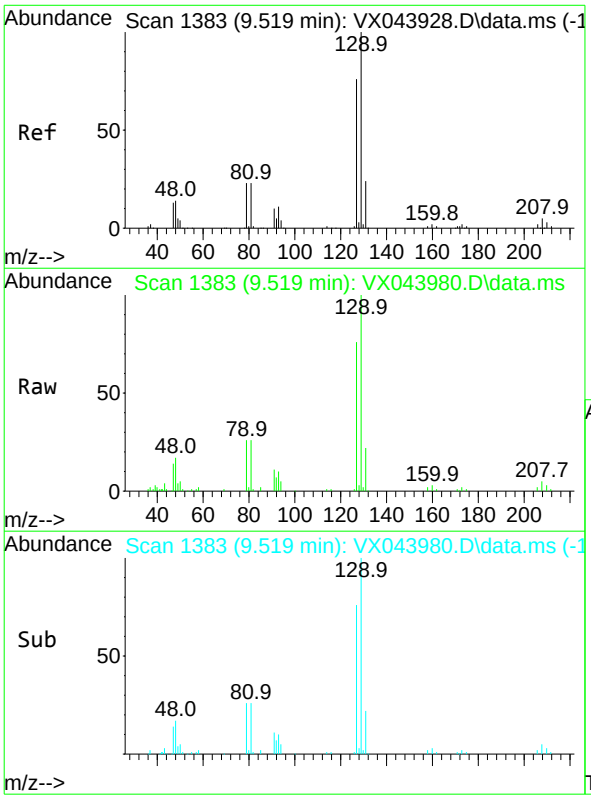
Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

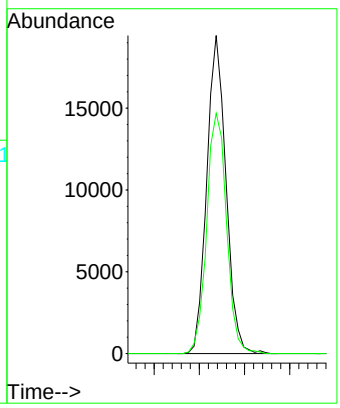
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

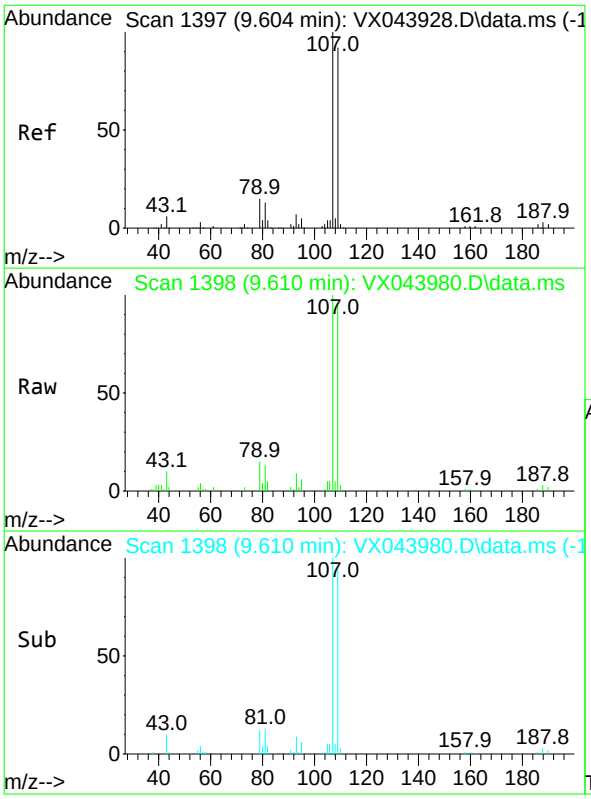


#60
Dibromochloromethane
Concen: 17.922 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:129 Resp: 28665

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.2	114.6

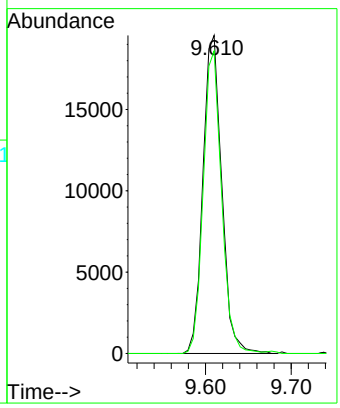




#61
1,2-Dibromoethane
Concen: 18.503 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:107 Resp: 29826

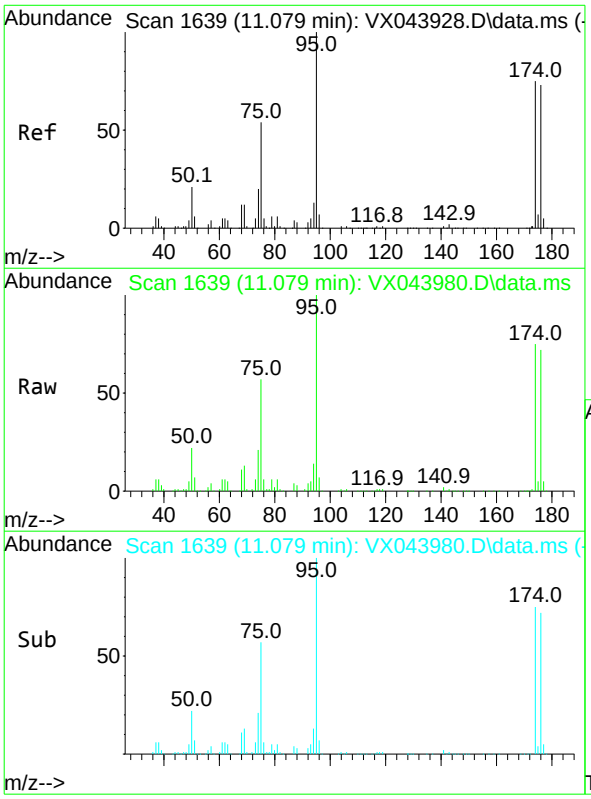
Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

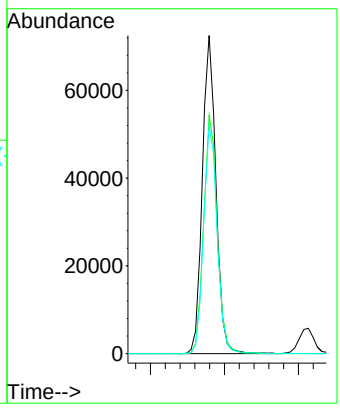
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

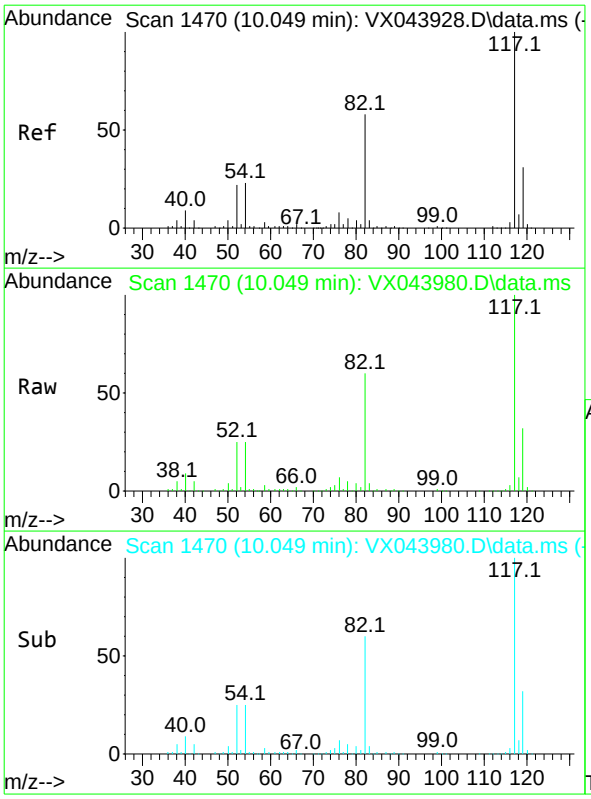


#62
4-Bromofluorobenzene
Concen: 47.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 95 Resp: 92231

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.4
176	71.7	0.0	146.0

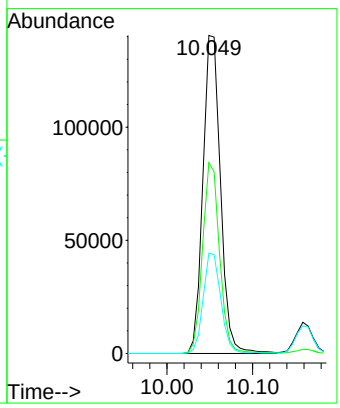




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 200729

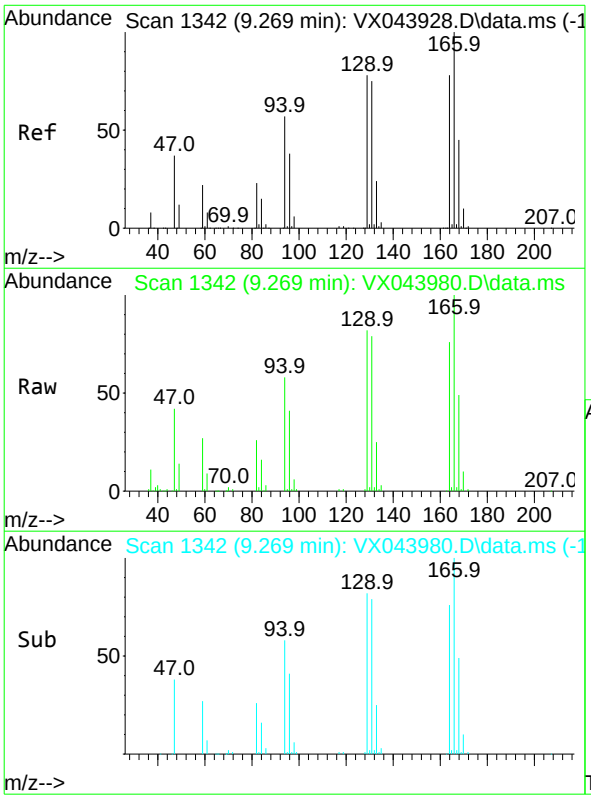
Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.4	69.6
119	31.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

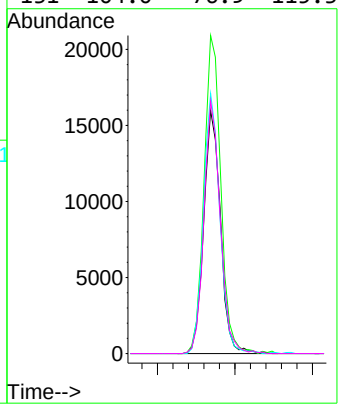
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

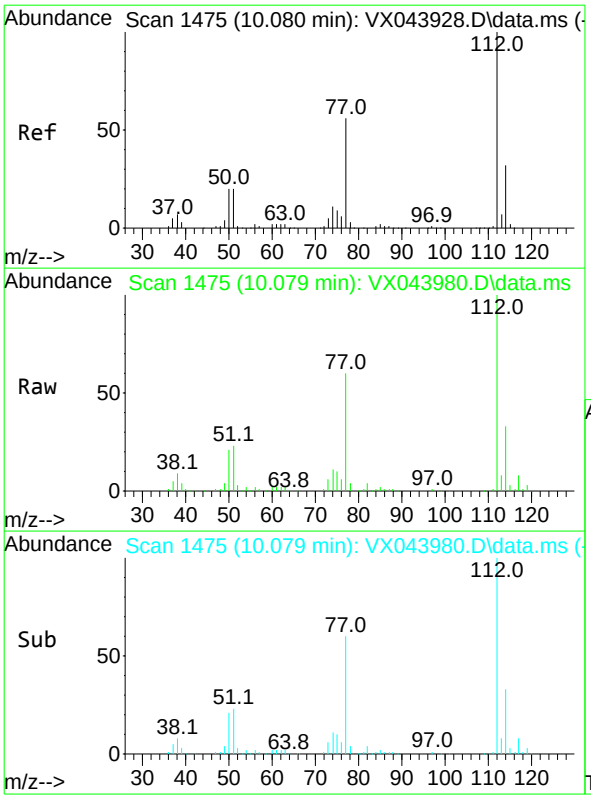


#64
Tetrachloroethene
Concen: 18.065 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:164 Resp: 23911

Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.1	153.1
129	107.0	79.6	119.4
131	104.0	76.9	115.3





#65
Chlorobenzene
Concen: 18.597 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

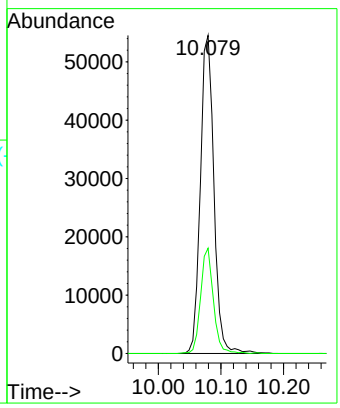
Tgt Ion:112 Resp: 81986

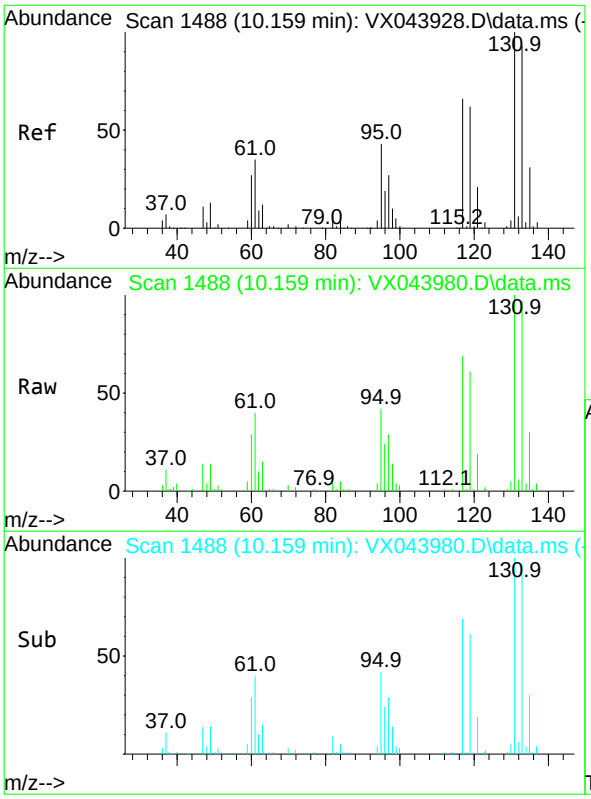
Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

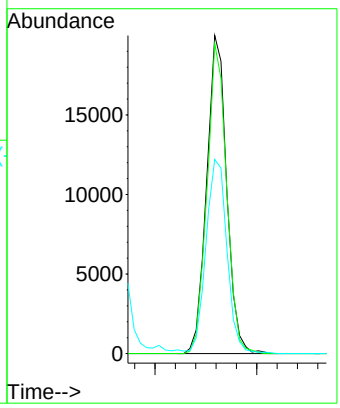


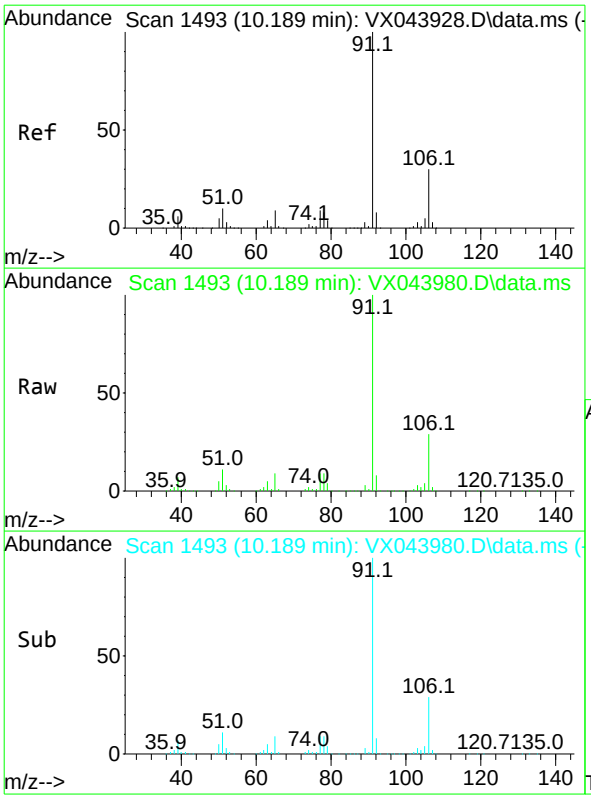


#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:131 Resp: 27274

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	64.2	31.5	94.5

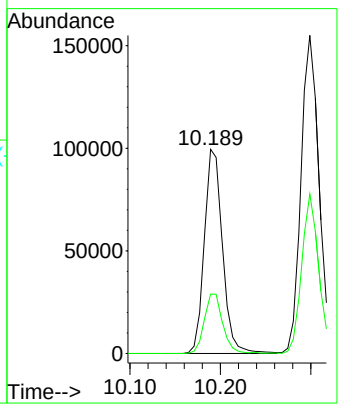




#67
Ethyl Benzene
Concen: 18.608 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 139010

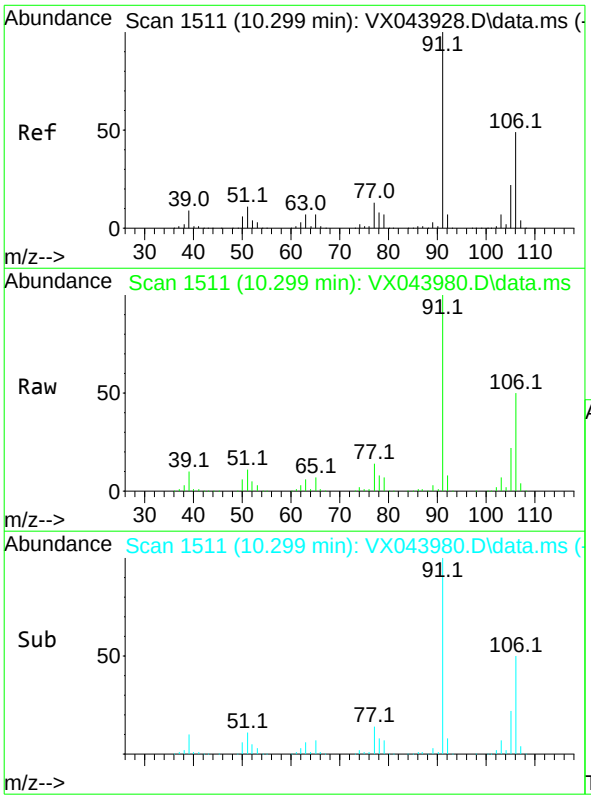
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

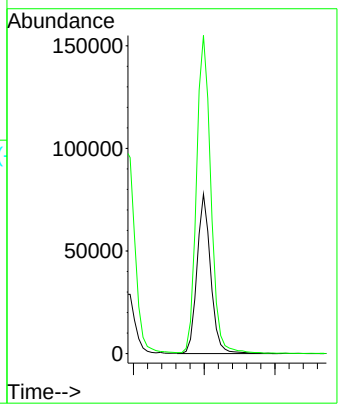
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

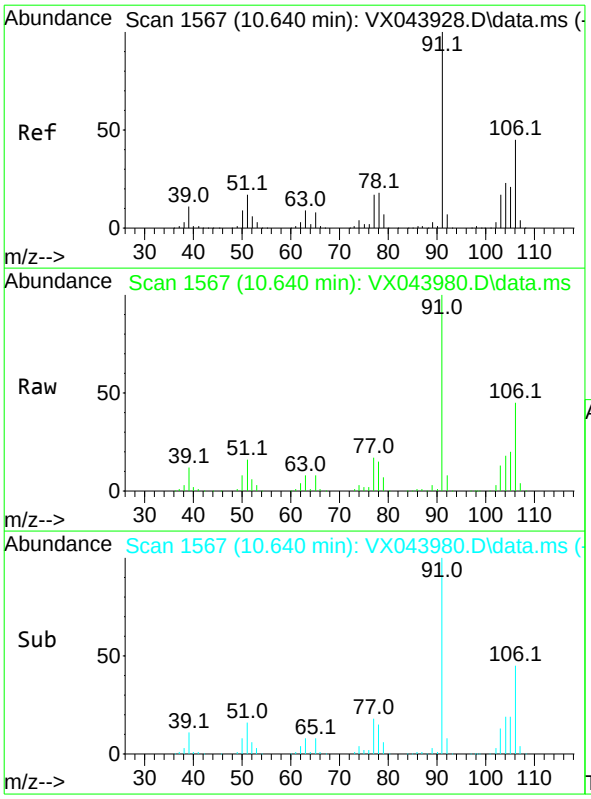


#68
m/p-Xylenes
Concen: 37.328 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:106 Resp: 103991

Ion	Ratio	Lower	Upper
106	100		
91	209.3	168.1	252.1

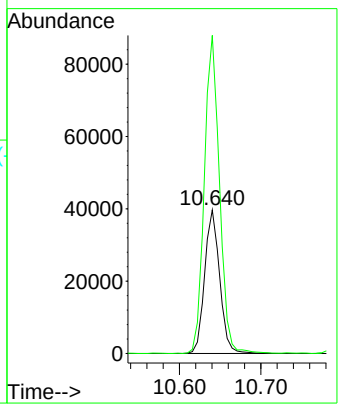




#69
o-Xylene
Concen: 18.698 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:106 Resp: 50858

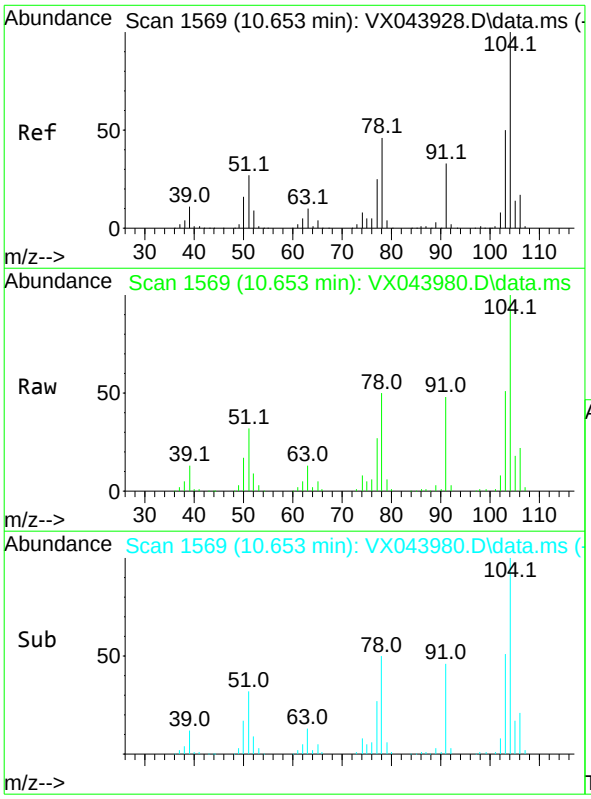
Ion	Ratio	Lower	Upper
106	100		
91	223.9	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

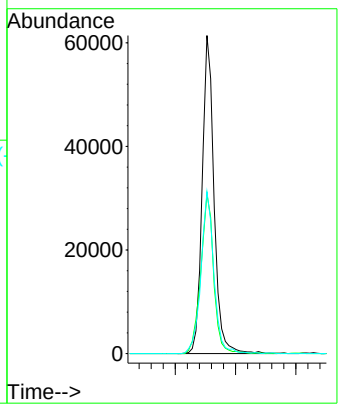
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

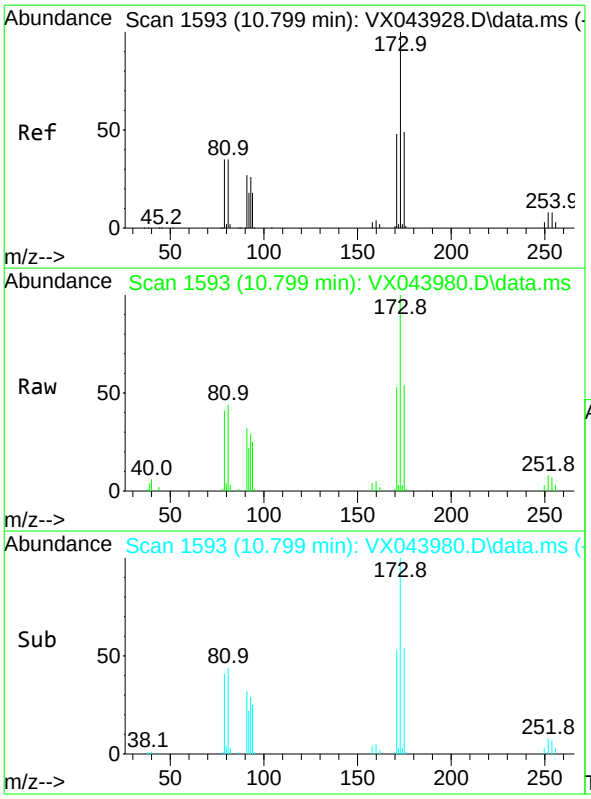


#70
Styrene
Concen: 18.638 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:104 Resp: 83849

Ion	Ratio	Lower	Upper
104	100		
78	54.6	42.2	63.2
103	55.6	44.7	67.1

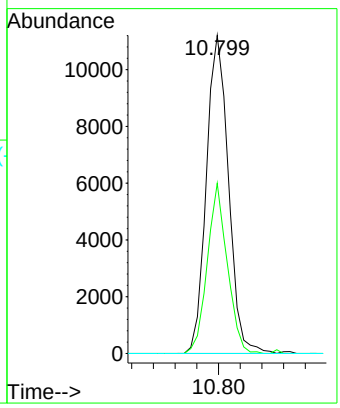




#71
Bromoform
Concen: 15.994 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:173 Resp: 15846

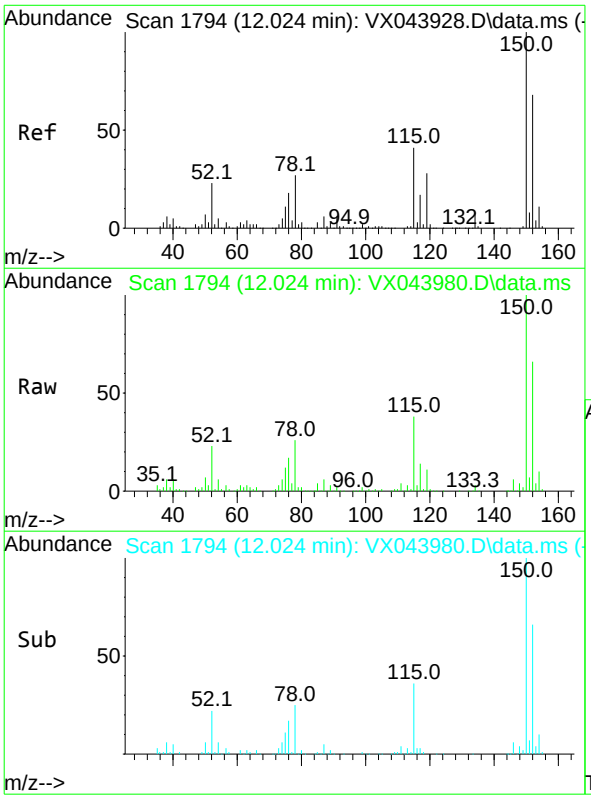
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

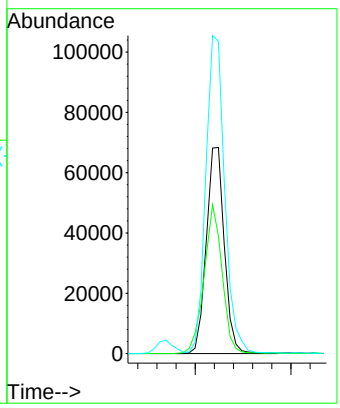
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

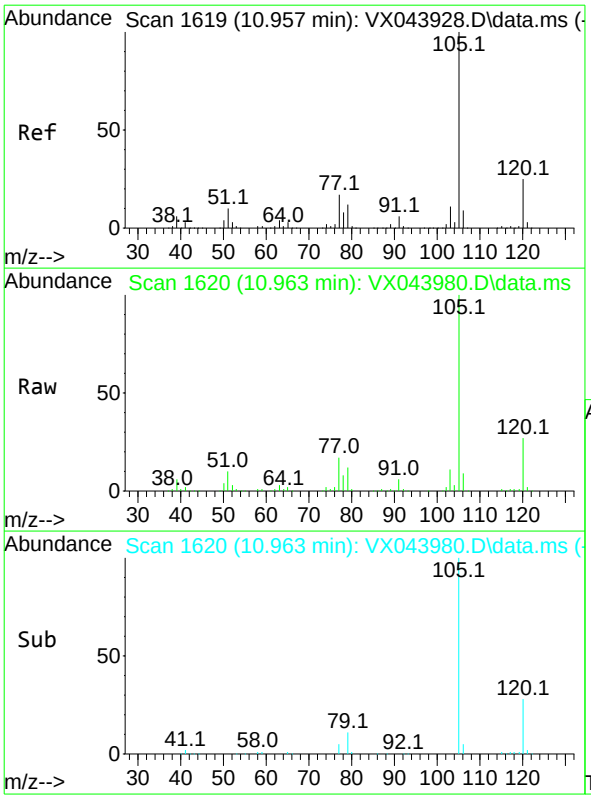


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:152 Resp: 89446

Ion	Ratio	Lower	Upper
152	100		
115	72.4	45.4	136.2
150	161.3	0.0	353.0

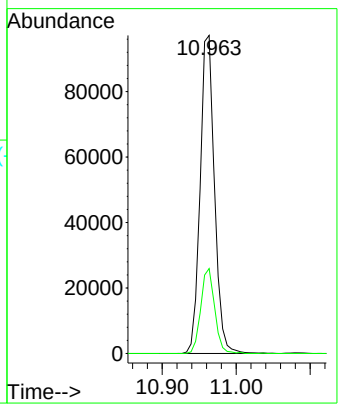




#73
Isopropylbenzene
Concen: 19.035 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 130876

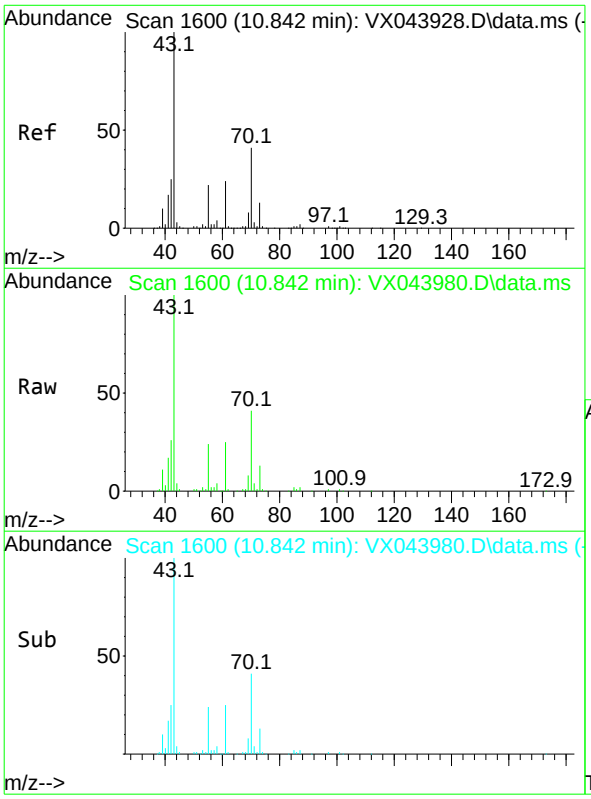
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

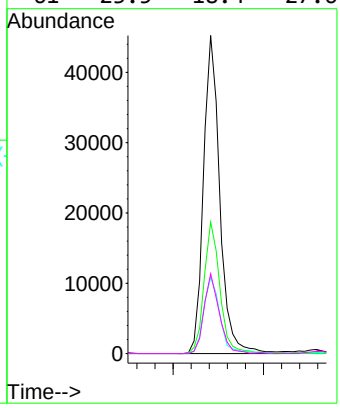
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

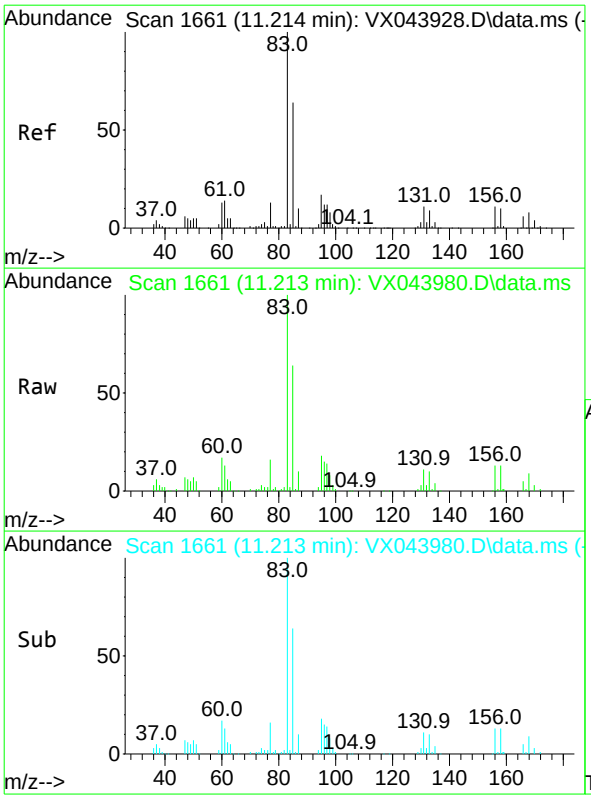


#74
N-amyl acetate
Concen: 17.857 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 56876

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.0	18.1	27.1
61	23.5	18.4	27.6

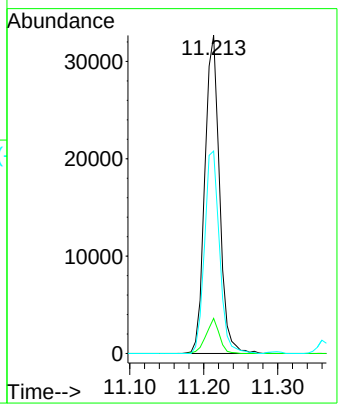




#75
1,1,2,2-Tetrachloroethane
Concen: 19.121 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 45016

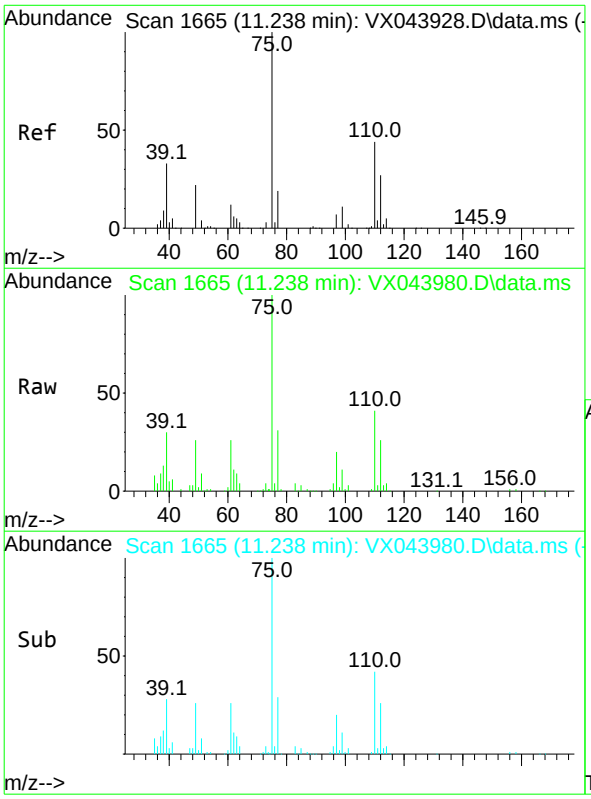
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	64.8	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

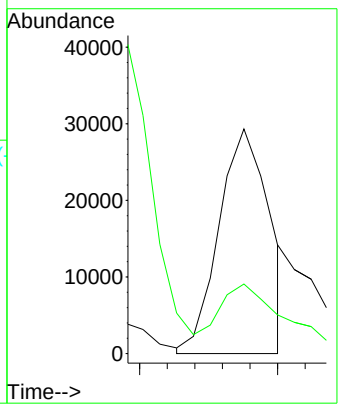
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

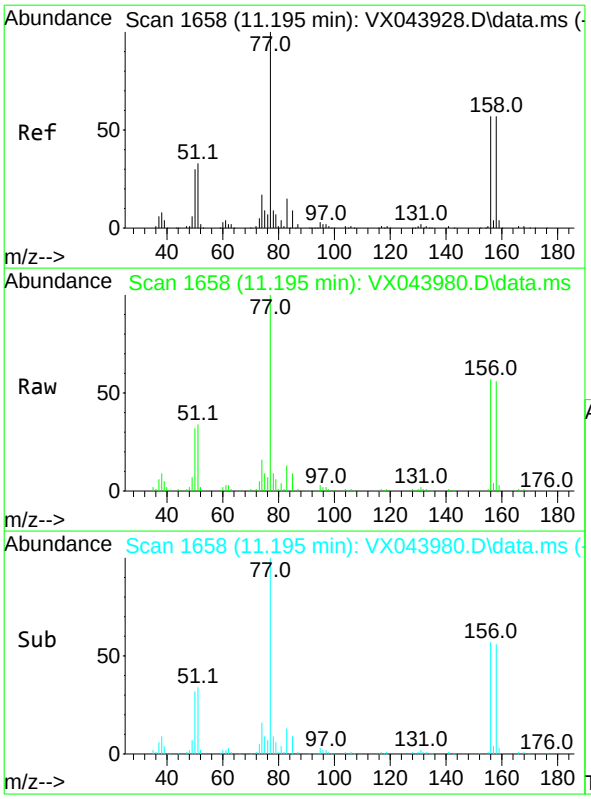


#76
1,2,3-Trichloropropane
Concen: 19.015 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 37299

Ion	Ratio	Lower	Upper
75	100		
77	41.4	21.8	65.3

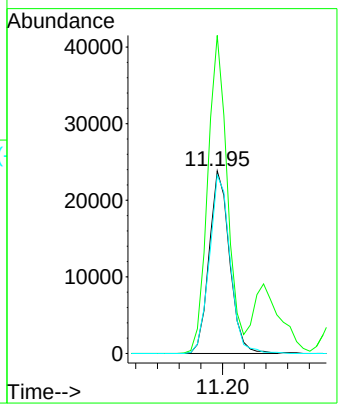




#77
Bromobenzene
Concen: 18.980 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:156 Resp: 31131

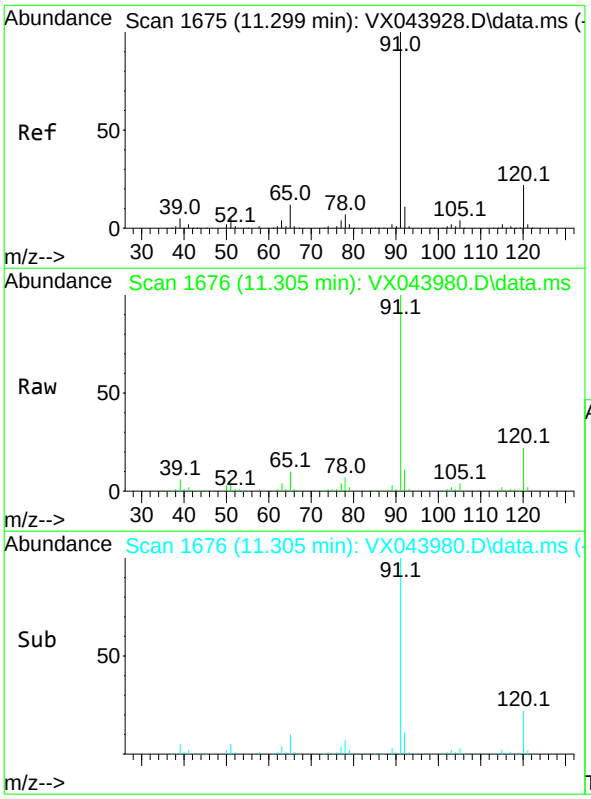
Ion	Ratio	Lower	Upper
156	100		
77	167.2	83.4	250.1
158	99.3	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

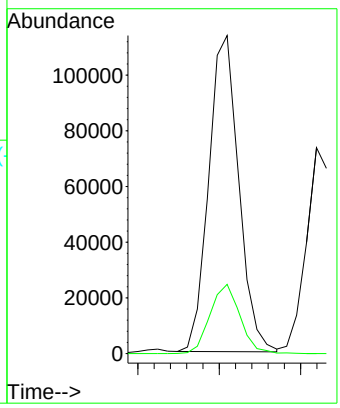
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

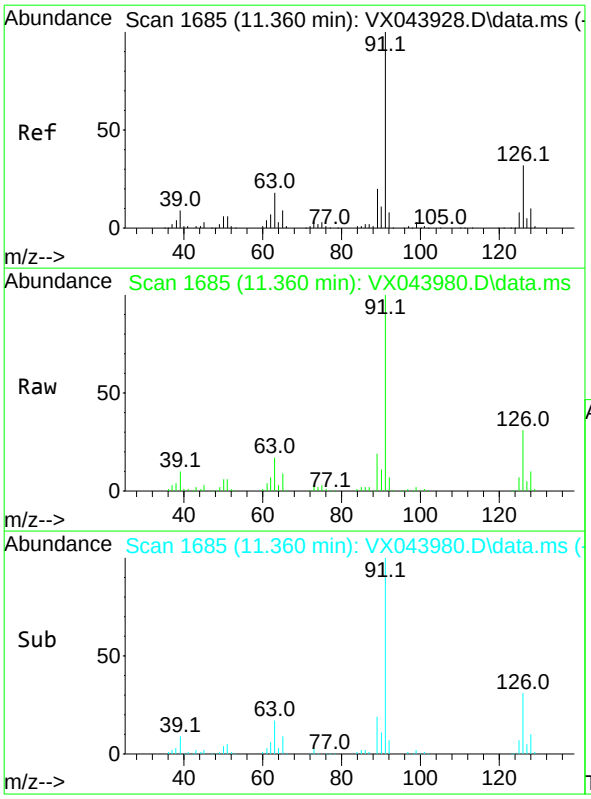


#78
n-propylbenzene
Concen: 18.970 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 145673

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4

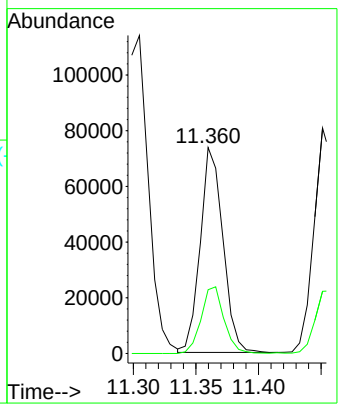




#79
2-Chlorotoluene
Concen: 19.116 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 92824

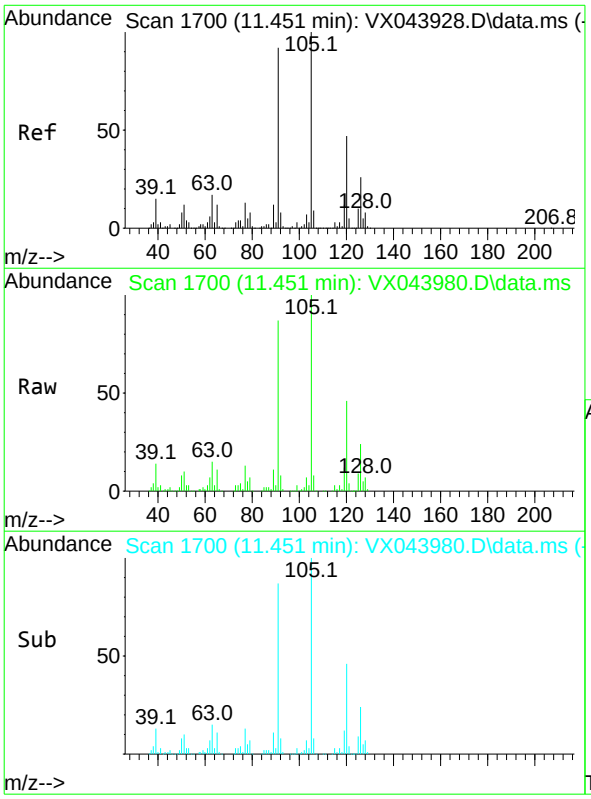
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

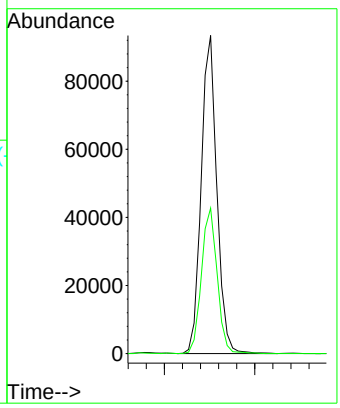
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

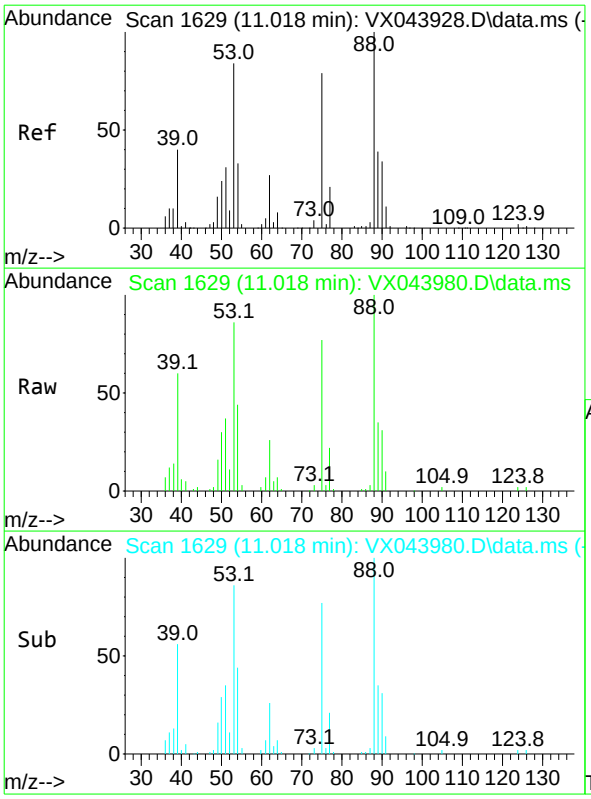


#80
1,3,5-Trimethylbenzene
Concen: 19.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 112233

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.8

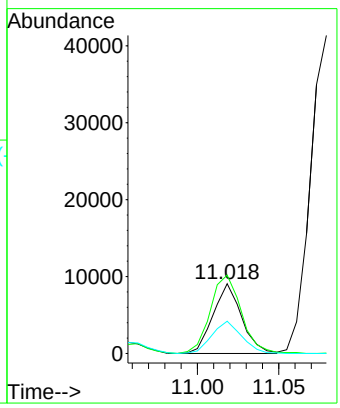




#81
trans-1,4-Dichloro-2-butene
Concen: 15.407 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 11075

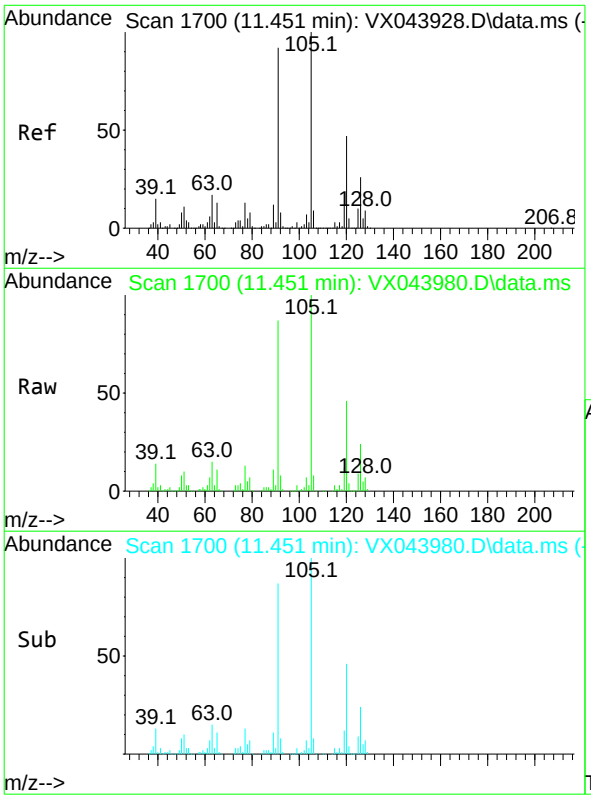
Ion	Ratio	Lower	Upper
75	100		
53	122.3	86.7	130.1
89	48.2	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

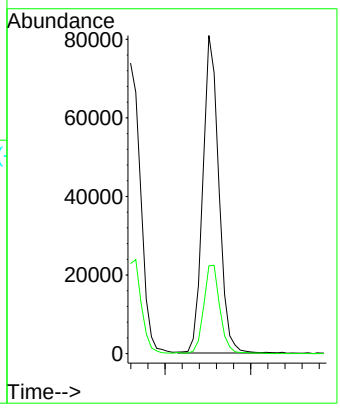
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

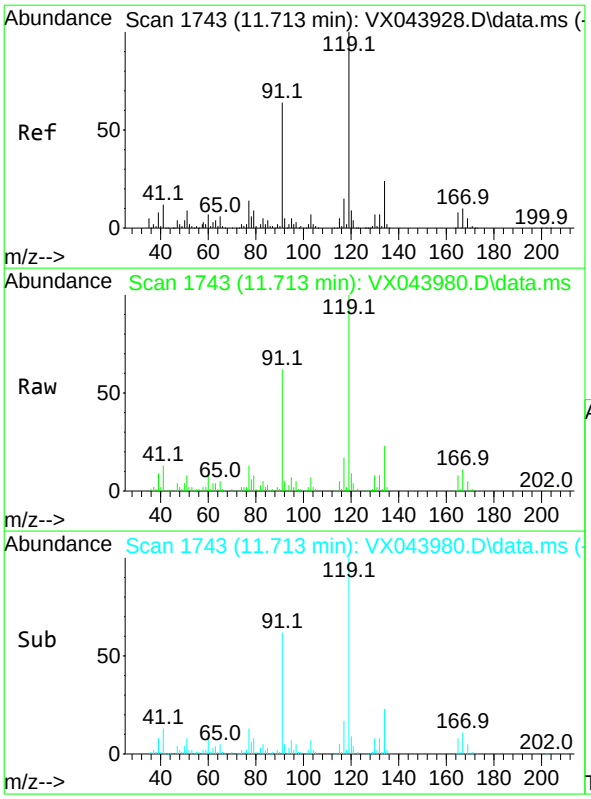


#82
4-Chlorotoluene
Concen: 19.100 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 104709

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9

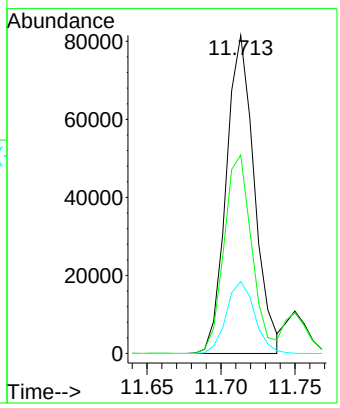




#83
tert-Butylbenzene
Concen: 19.150 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:119 Resp: 107369

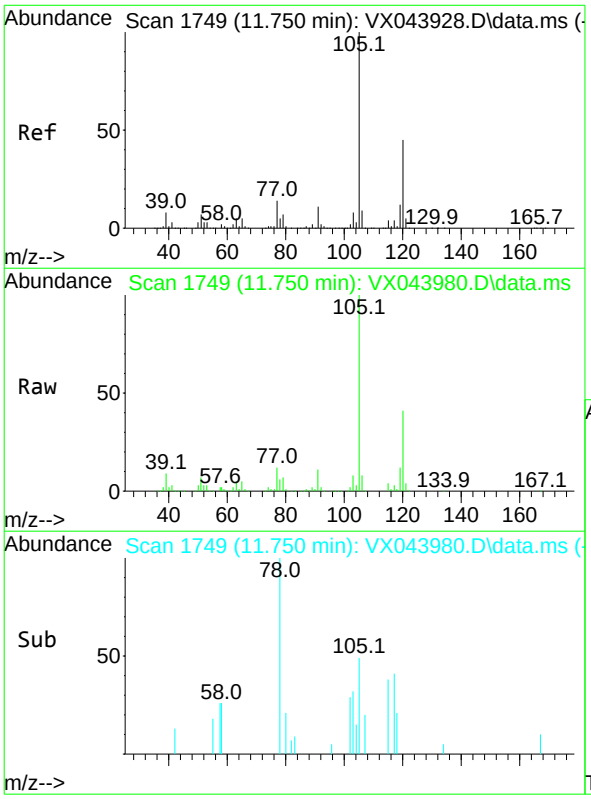
Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.0	93.0
134	22.9	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

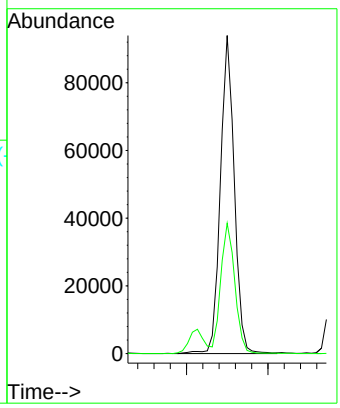
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

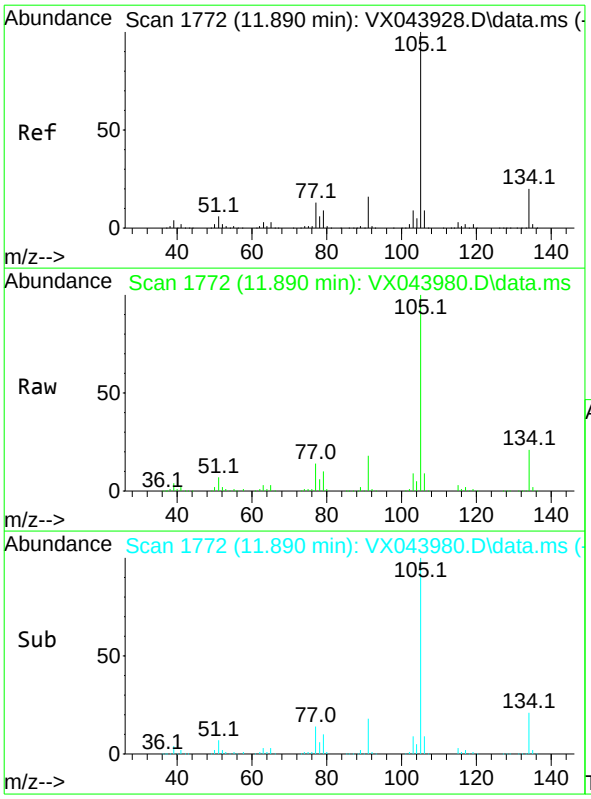


#84
1,2,4-Trimethylbenzene
Concen: 19.806 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 111539

Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.9	65.7

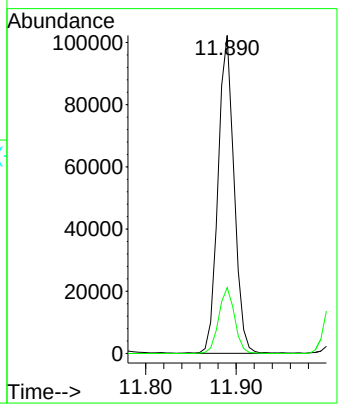




#85
sec-Butylbenzene
Concen: 18.313 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 125802

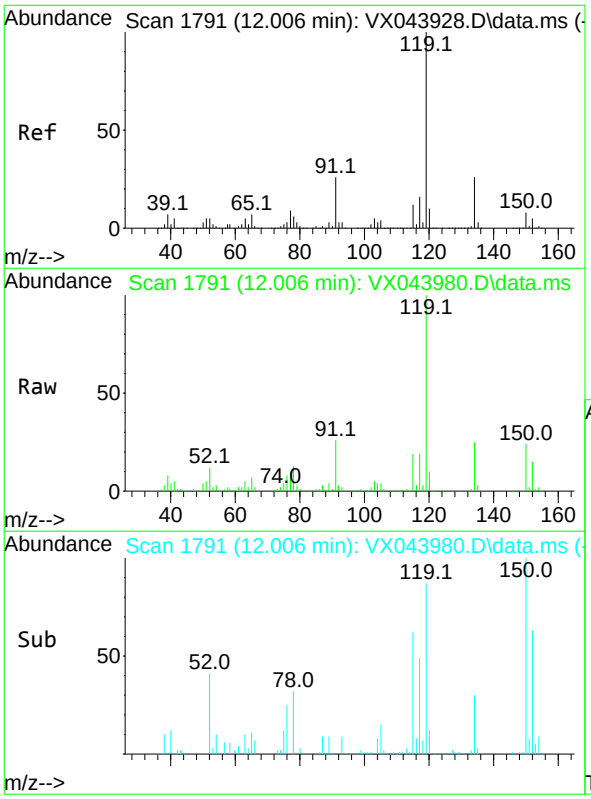
Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

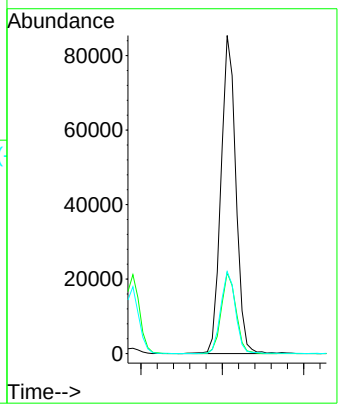
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

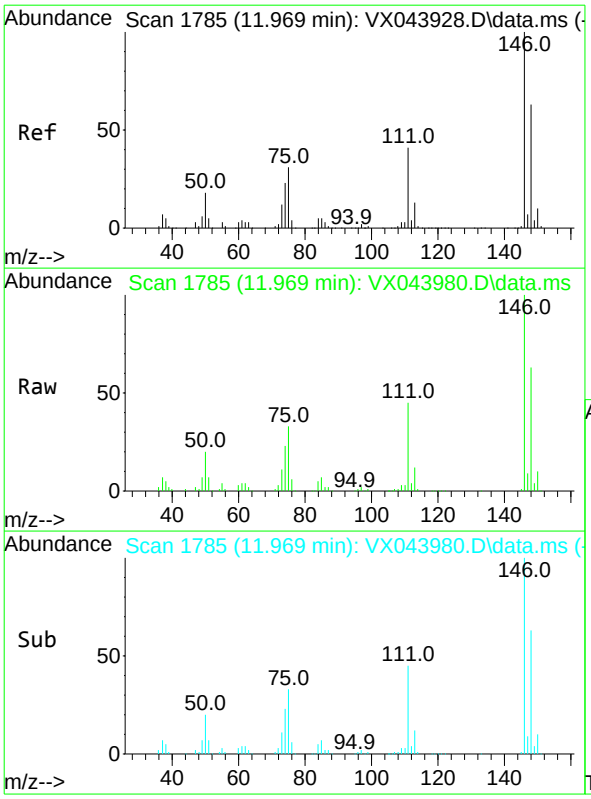


#86
p-Isopropyltoluene
Concen: 19.454 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:119 Resp: 108552

Ion	Ratio	Lower	Upper
119	100		
134	24.9	13.0	38.9
91	25.4	13.0	38.9

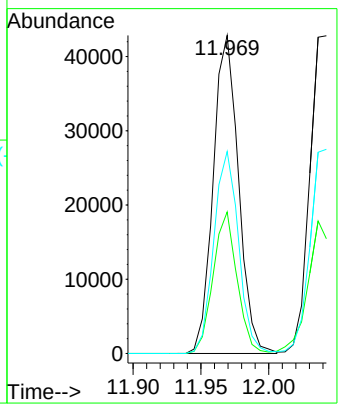




#87
1,3-Dichlorobenzene
Concen: 18.623 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:146 Resp: 55631

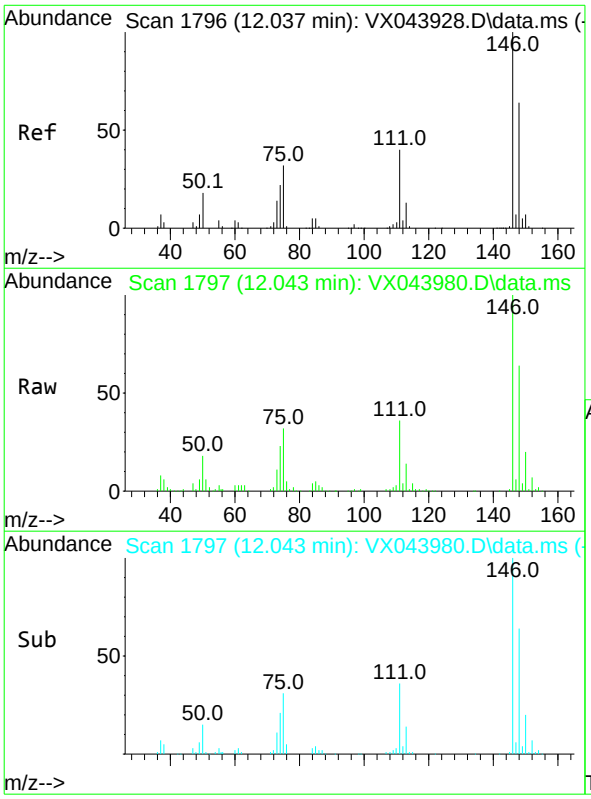
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	62.2	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

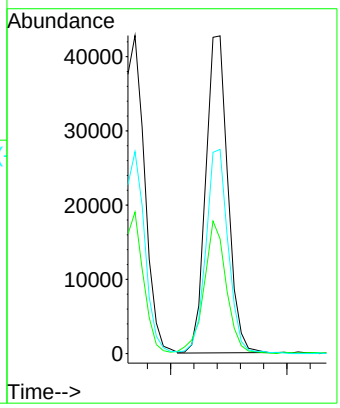
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

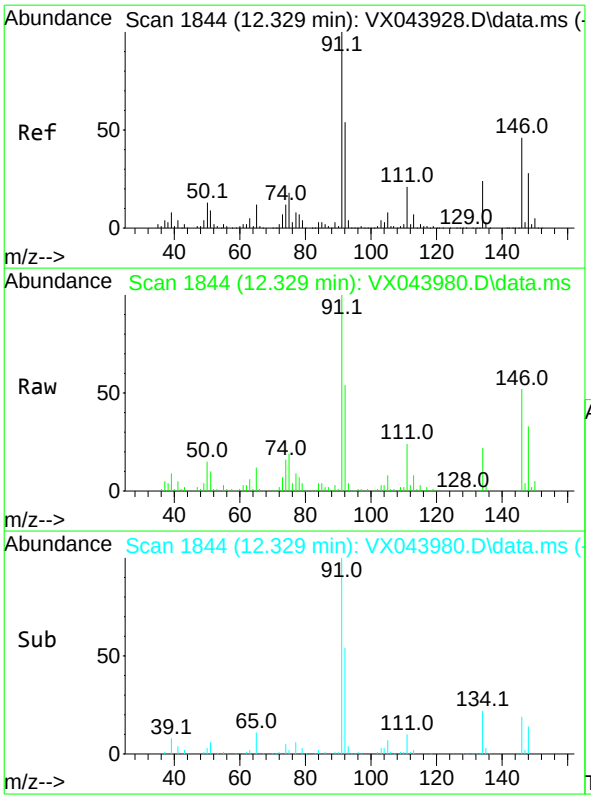


#88
1,4-Dichlorobenzene
Concen: 18.474 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:146 Resp: 56264

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	65.5	30.9	92.8

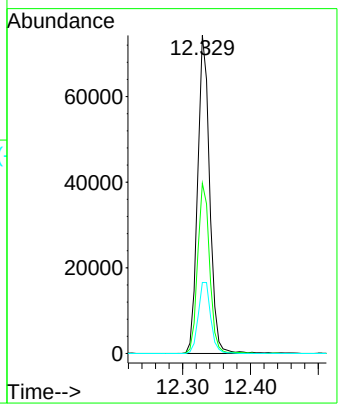




#89
n-Butylbenzene
Concen: 18.588 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 91448

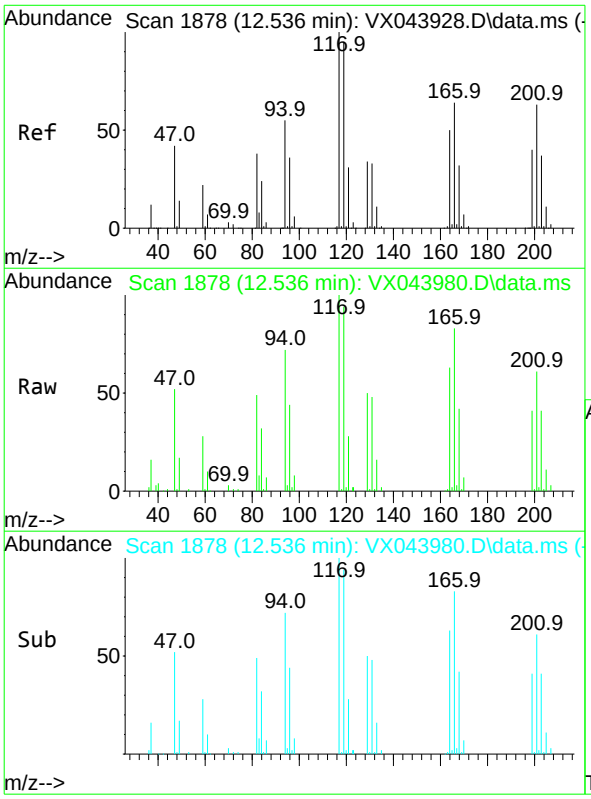
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	23.1	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

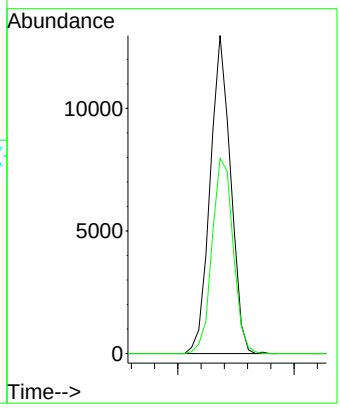
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

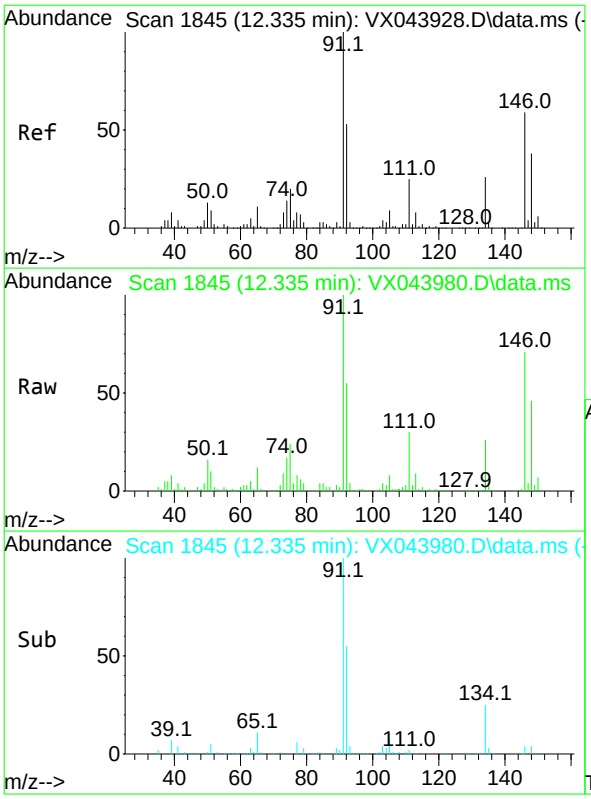


#90
Hexachloroethane
Concen: 16.728 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 15872

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.4	97.0

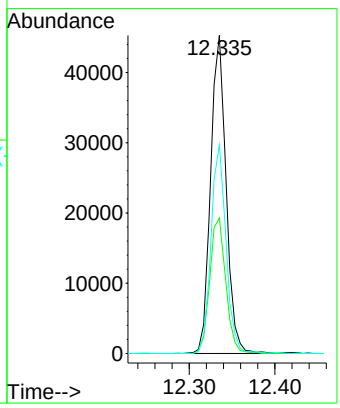




#91
1,2-Dichlorobenzene
Concen: 18.869 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:146 Resp: 56883

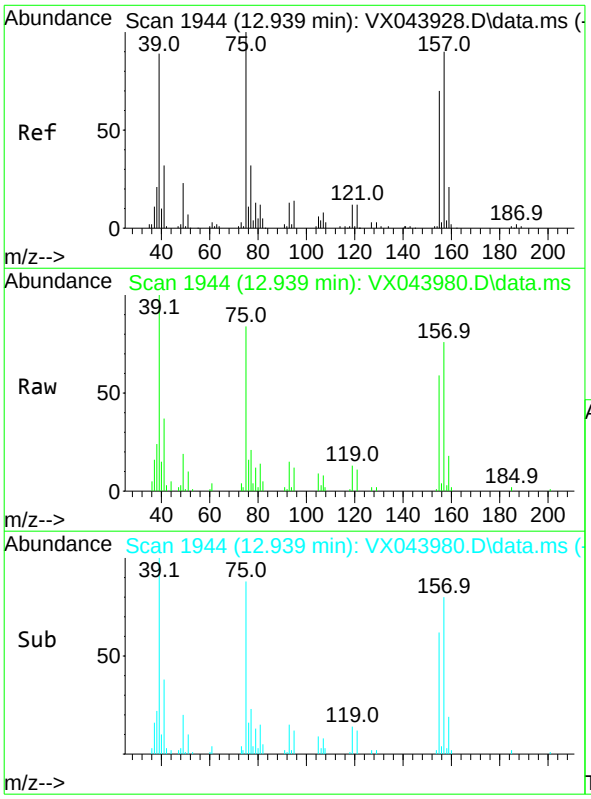
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.9	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations APPROVED

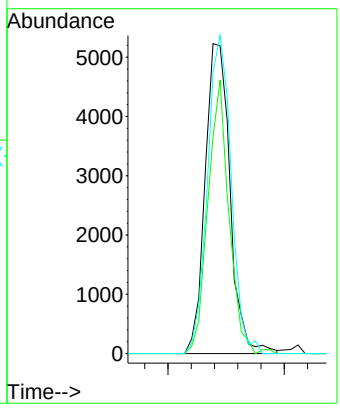
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

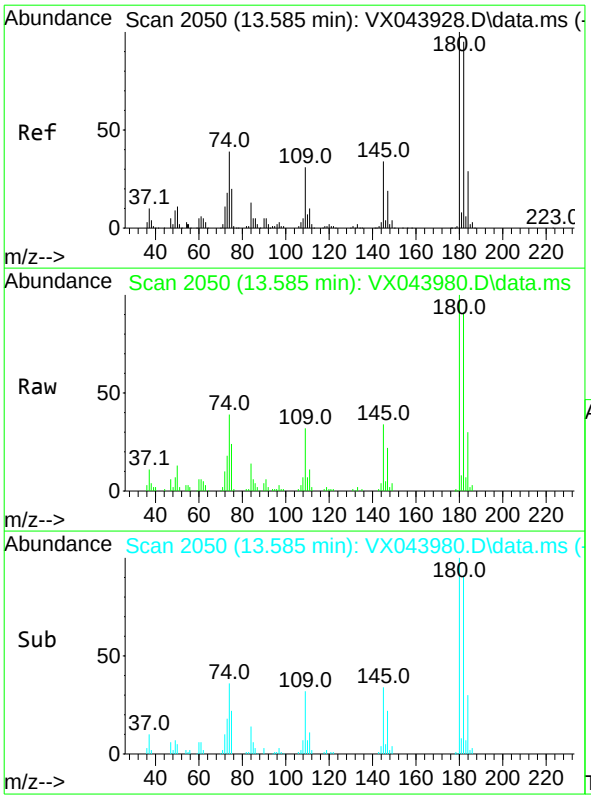


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.475 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 7772

Ion	Ratio	Lower	Upper
75	100		
155	74.4	40.1	120.2
157	97.8	49.6	149.0

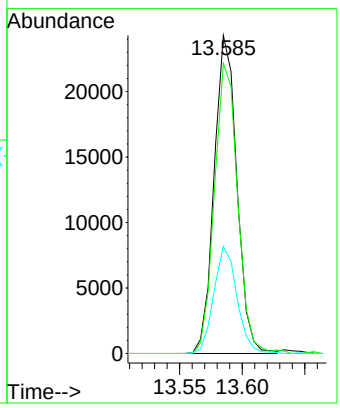




#93
1,2,4-Trichlorobenzene
Concen: 17.225 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:180 Resp: 30614

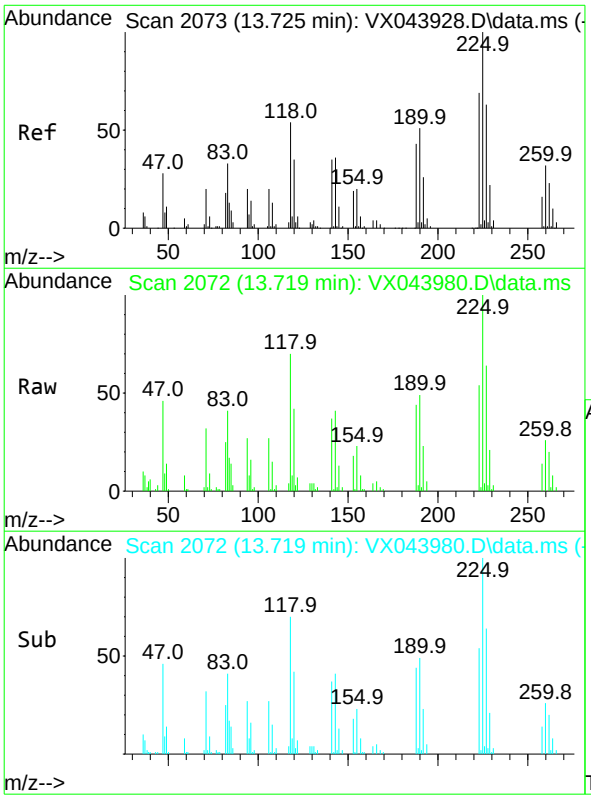
Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.2
145	34.3	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

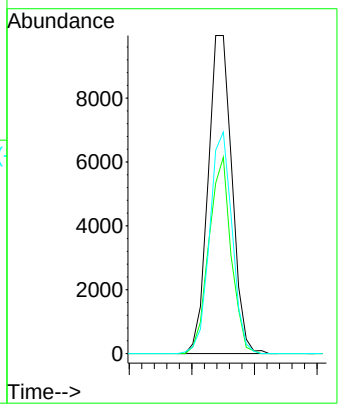
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

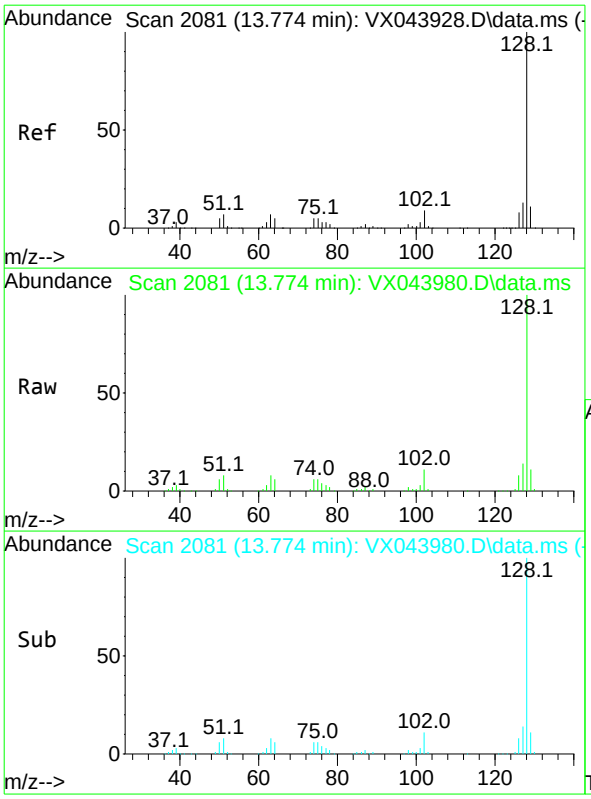


#94
Hexachlorobutadiene
Concen: 18.763 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:225 Resp: 13180

Ion	Ratio	Lower	Upper
225	100		
223	57.5	32.9	98.6
227	65.6	31.6	94.8

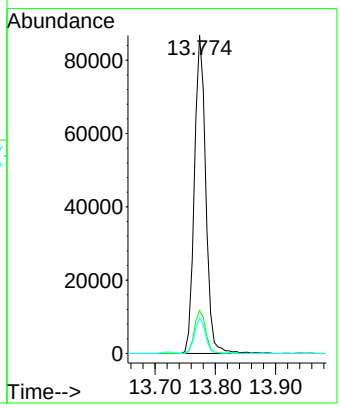




#95
Naphthalene
Concen: 17.718 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:128 Resp: 113362

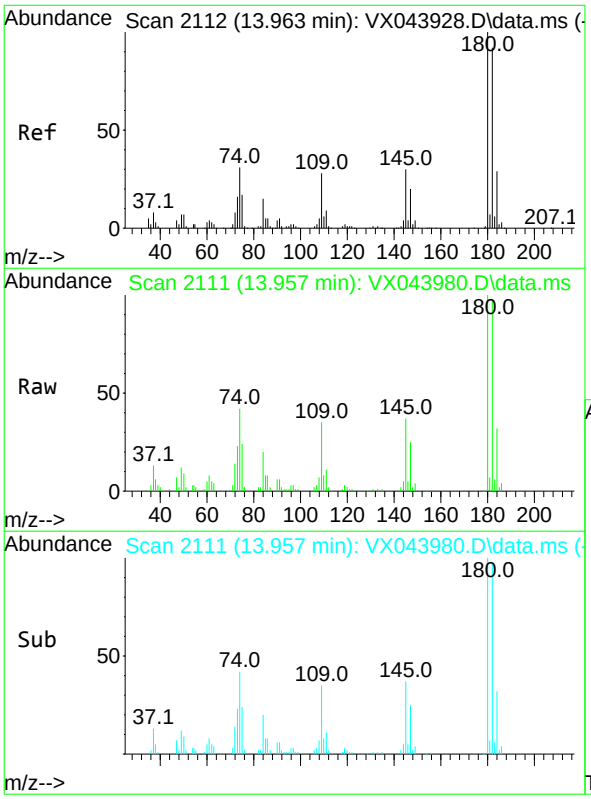
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

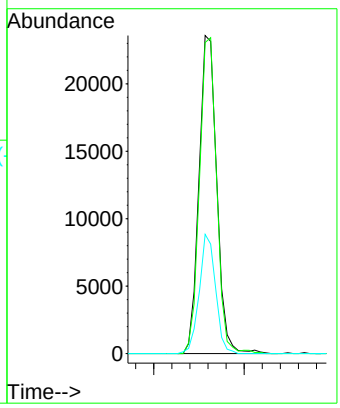
Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.867 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:180 Resp: 32142

Ion	Ratio	Lower	Upper
180	100		
182	95.9	45.6	136.8
145	34.4	16.4	49.4



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1126WBS01	SDG No.:	P4873
Lab Sample ID:	VX1126WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044007.D	1		11/26/24 11:17	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.8		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	96.5		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.4		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.0		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	97.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.1		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	20.4		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.8		0.18	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:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1126WBS01	SDG No.:	P4873
Lab Sample ID:	VX1126WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044007.D	1		11/26/24 11:17	VX112624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	99.3		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.6		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.1		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.1		0.51	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	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	197000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	89800	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1126WBS01	SDG No.:	P4873
Lab Sample ID:	VX1126WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044007.D	1		11/26/24 11:17	VX112624

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\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	126484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	228899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109611	50.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.060%			
35) Dibromofluoromethane	5.379	113	79171	48.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.800%			
50) Toluene-d8	8.647	98	277374	49.197	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	11.079	95	94239	49.114	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	28827	17.990	ug/l	93
3) Chloromethane	1.295	50	31644	18.767	ug/l	99
4) Vinyl Chloride	1.374	62	33381	18.612	ug/l	99
5) Bromomethane	1.593	94	21005	19.038	ug/l	90
6) Chloroethane	1.666	64	23849	21.823	ug/l	94
7) Trichlorofluoromethane	1.868	101	62603	19.524	ug/l	99
8) Diethyl Ether	2.130	74	22655	19.385	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	28164	18.414	ug/l	99
10) Methyl Iodide	2.441	142	35540	18.605	ug/l	99
11) Tert butyl alcohol	2.995	59	30103	86.450	ug/l	100
12) 1,1-Dichloroethene	2.307	96	26326	18.063	ug/l	94
13) Acrolein	2.233	56	34432	93.813	ug/l	97
14) Allyl chloride	2.654	41	45281	19.014	ug/l	98
15) Acrylonitrile	3.063	53	82583	97.321	ug/l	100
16) Acetone	2.386	43	96113	96.461	ug/l	98
17) Carbon Disulfide	2.502	76	45228	15.044	ug/l	99
18) Methyl Acetate	2.703	43	45089	19.432	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	105281	19.894	ug/l	99
20) Methylene Chloride	2.782	84	32937	19.479	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	27839	18.501	ug/l	95
22) Diisopropyl ether	3.764	45	102578	20.144	ug/l	97
23) Vinyl Acetate	3.721	43	423782	97.282	ug/l	98
24) 1,1-Dichloroethane	3.605	63	58526	19.922	ug/l	99
25) 2-Butanone	4.562	43	124838	97.100	ug/l	100
26) 2,2-Dichloropropane	4.471	77	51476	19.402	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	35989	19.349	ug/l	98
28) Bromochloromethane	4.891	49	24714	19.112	ug/l	100
29) Tetrahydrofuran	5.013	42	72702	92.239	ug/l	99
30) Chloroform	5.087	83	64403	20.383	ug/l	99
31) Cyclohexane	5.458	56	43524	18.001	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	54646	20.055	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38113	18.700	ug/l	99
37) Ethyl Acetate	4.715	43	46886	18.532	ug/l	98
38) Carbon Tetrachloride	5.672	117	41327	18.046	ug/l	94
39) Methylcyclohexane	7.379	83	45898	17.334	ug/l	91
40) Benzene	6.032	78	122979	19.371	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	24753	19.116	ug/l		93
42) 1,2-Dichloroethane	6.080	62	49529	19.425	ug/l		99
43) Isopropyl Acetate	6.342	43	77739	19.307	ug/l		100
44) Trichloroethene	7.117	130	30827	17.152	ug/l		92
45) 1,2-Dichloropropane	7.428	63	31135	20.023	ug/l		97
46) Dibromomethane	7.580	93	24627	20.022	ug/l		96
47) Bromodichloromethane	7.818	83	43234	19.598	ug/l		97
48) Methyl methacrylate	7.696	41	35204	18.221	ug/l		98
49) 1,4-Dioxane	7.665	88	10766	312.828	ug/l		89
51) 4-Methyl-2-Pentanone	8.574	43	246977	100.516	ug/l		98
52) Toluene	8.714	92	75111	19.767	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	42946	19.090	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	46188	18.729	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	31047	19.793	ug/l		94
56) Ethyl methacrylate	9.116	69	48761	19.958	ug/l		97
57) 1,3-Dichloropropane	9.305	76	54924	20.786	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	114449	84.828	ug/l		100
59) 2-Hexanone	9.433	43	183298	99.251	ug/l		99
60) Dibromochloromethane	9.519	129	29286	18.608	ug/l		98
61) 1,2-Dibromoethane	9.610	107	31454	19.831	ug/l		100
64) Tetrachloroethene	9.269	164	25444	19.609	ug/l		96
65) Chlorobenzene	10.080	112	80796	18.694	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.159	131	27742	19.792	ug/l		97
67) Ethyl Benzene	10.195	91	141555	19.329	ug/l		98
68) m/p-Xylenes	10.299	106	105269	38.544	ug/l		100
69) o-Xylene	10.640	106	52630	19.737	ug/l		98
70) Styrene	10.653	104	86358	19.581	ug/l		99
71) Bromoform	10.799	173	17267	17.613	ug/l	#	99
73) Isopropylbenzene	10.957	105	136262	19.732	ug/l		98
74) N-amyl acetate	10.842	43	61285	19.157	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.214	83	48605	20.556	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	38617m	19.602	ug/l		
77) Bromobenzene	11.195	156	32745	19.878	ug/l		98
78) n-propylbenzene	11.305	91	151539	19.648	ug/l		99
79) 2-Chlorotoluene	11.360	91	97025	19.894	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	113431	19.966	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11741	16.262	ug/l		92
82) 4-Chlorotoluene	11.451	91	107199	19.470	ug/l		99
83) tert-Butylbenzene	11.713	119	111433	19.789	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	113761	20.112	ug/l		99
85) sec-Butylbenzene	11.890	105	133999	19.422	ug/l		99
86) p-Isopropyltoluene	12.006	119	110997	19.806	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	56964	18.986	ug/l		98
88) 1,4-Dichlorobenzene	12.043	146	56700	18.536	ug/l		97
89) n-Butylbenzene	12.329	91	94699	19.165	ug/l		98
90) Hexachloroethane	12.536	117	16678	17.501	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	58372	19.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8739	18.445	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	32265	18.075	ug/l		98
94) Hexachlorobutadiene	13.725	225	13509	19.148	ug/l		97
95) Naphthalene	13.774	128	121561	18.917	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	32745	18.123	ug/l		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

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

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

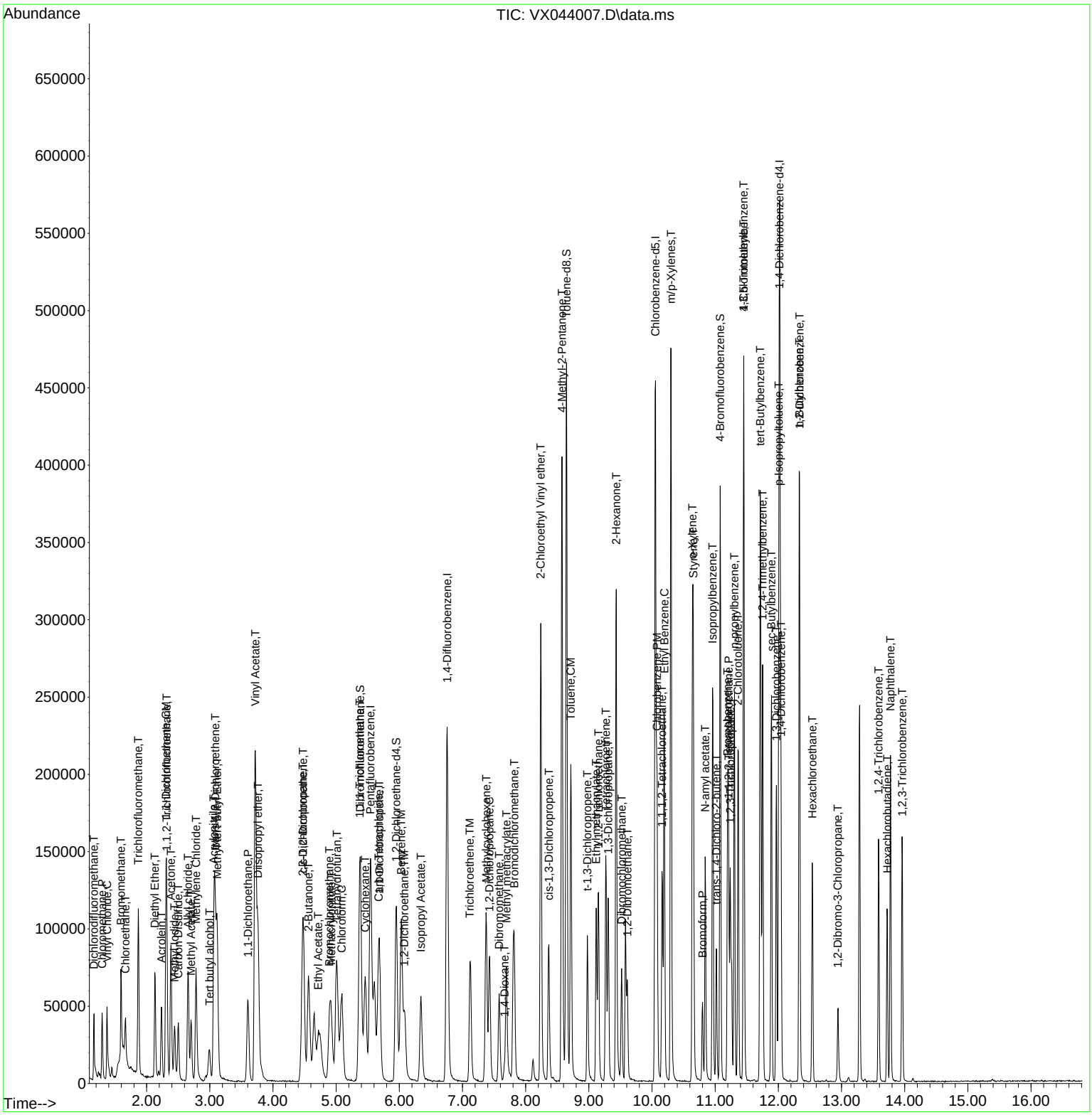
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

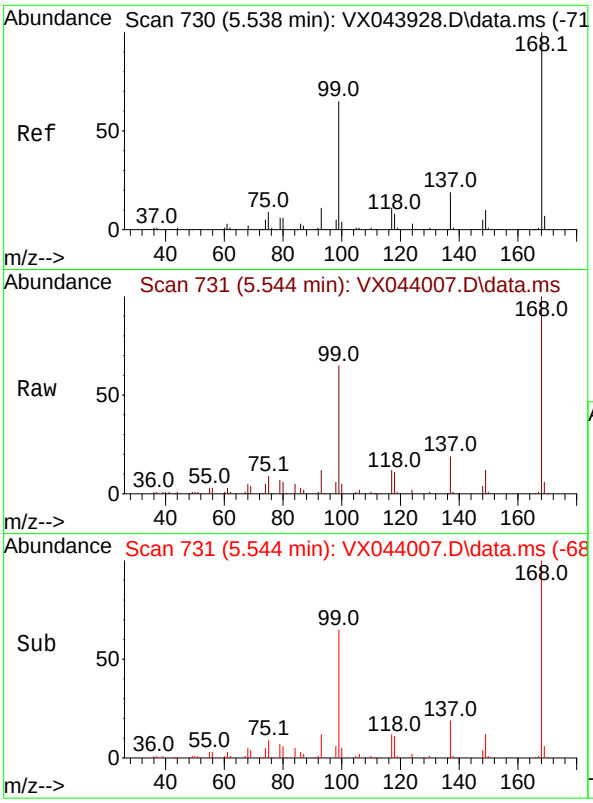
Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

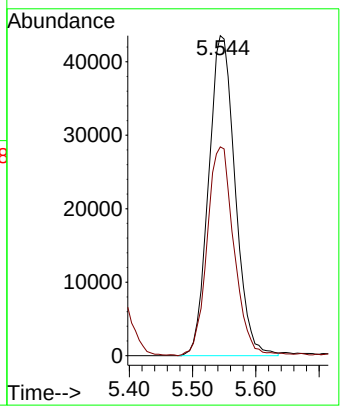




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:168 Resp: 12648

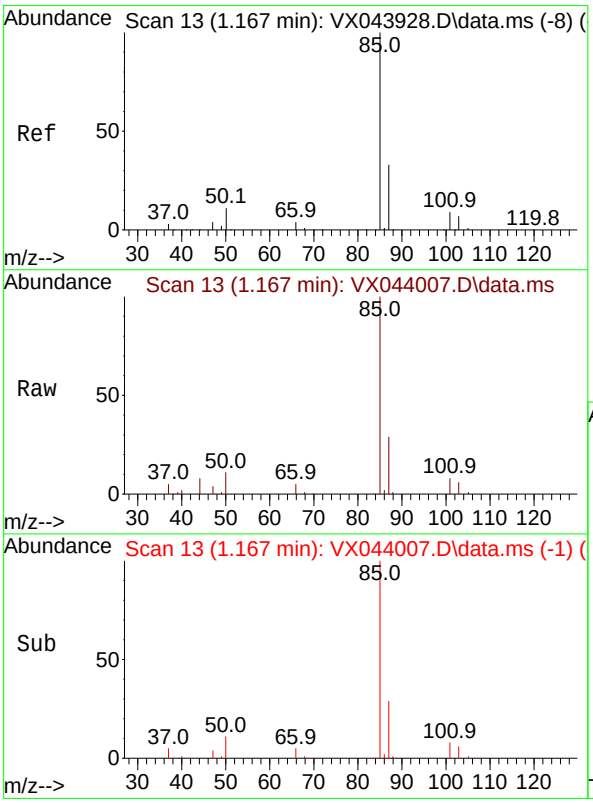
Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

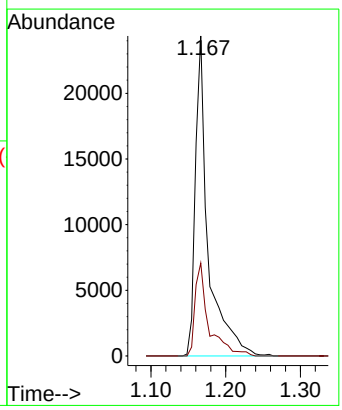
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

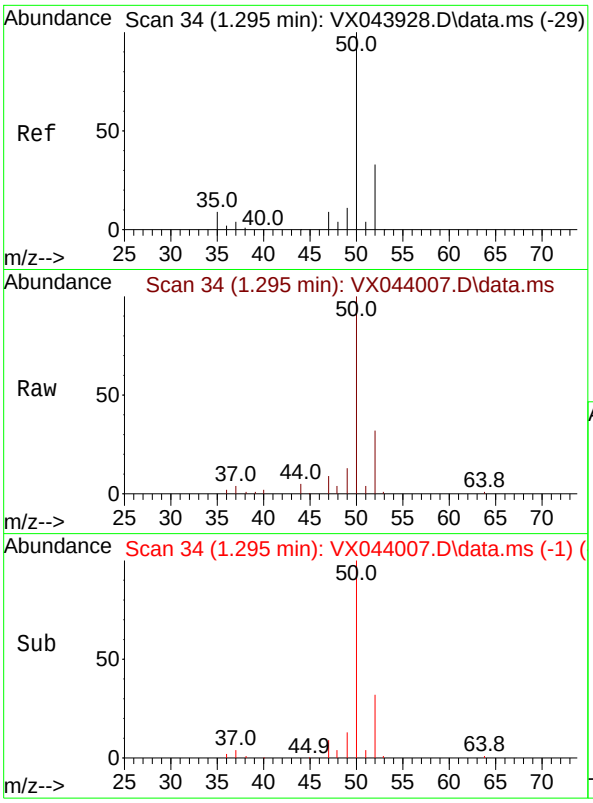


#2
Dichlorodifluoromethane
Concen: 17.990 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 85 Resp: 28827

Ion	Ratio	Lower	Upper
85	100		
87	29.1	16.6	49.8

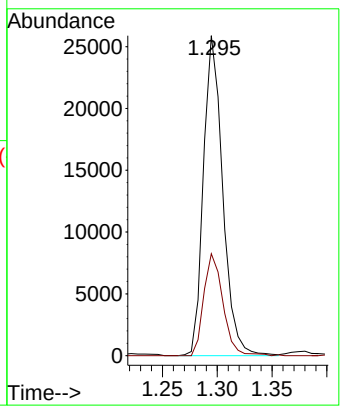




#3
Chloromethane
Concen: 18.767 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 50 Resp: 3164

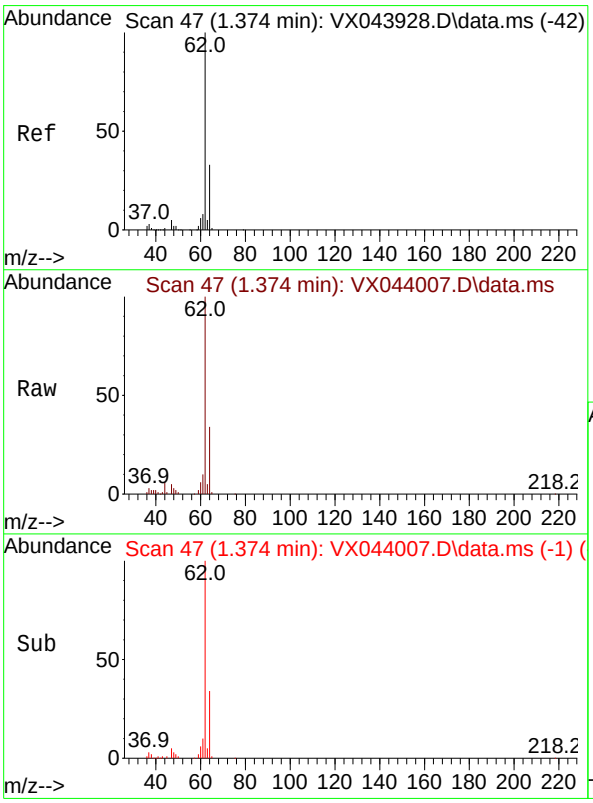
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

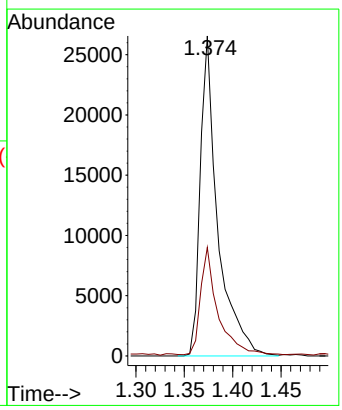
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

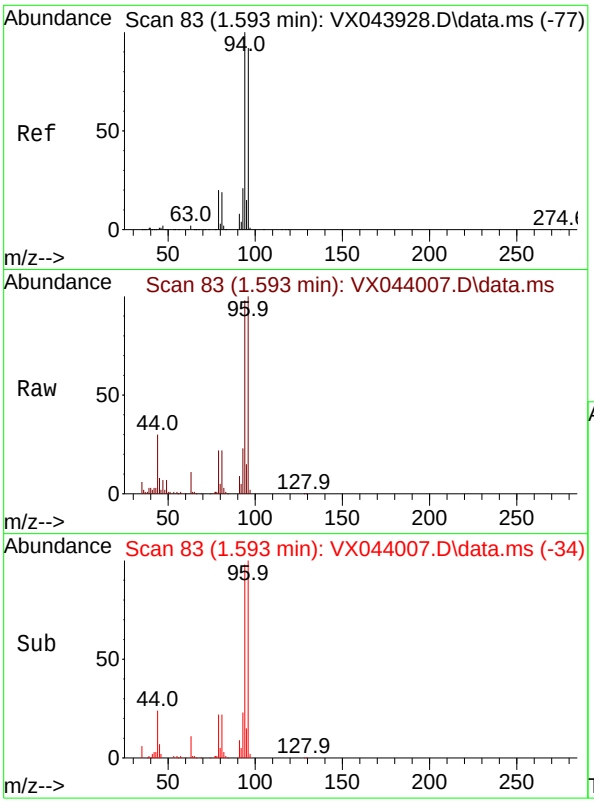


#4
Vinyl Chloride
Concen: 18.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 62 Resp: 33381

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.2	39.4

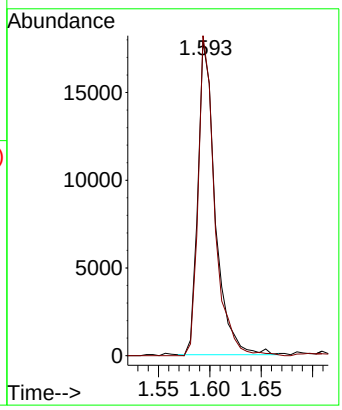




#5
Bromomethane
Concen: 19.038 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 94 Resp: 2100

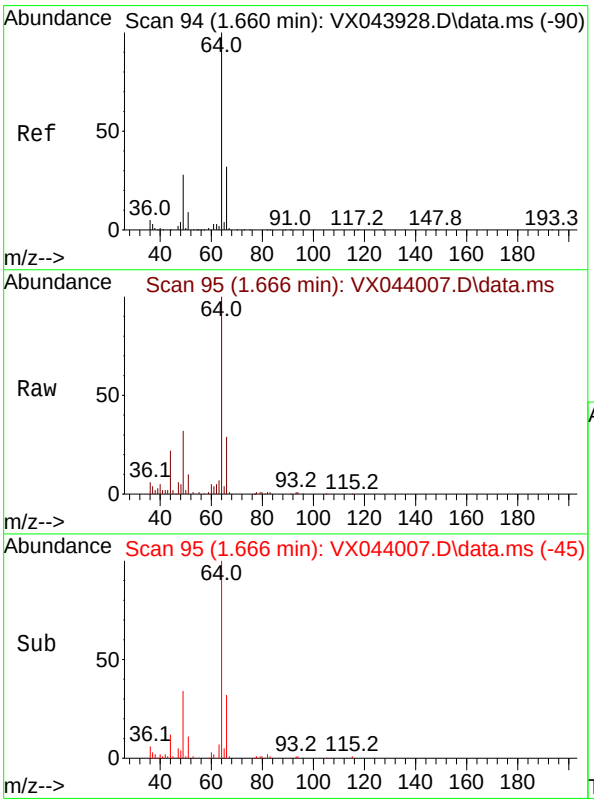
Ion	Ratio	Lower	Upper
94	100		
96	102.0	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

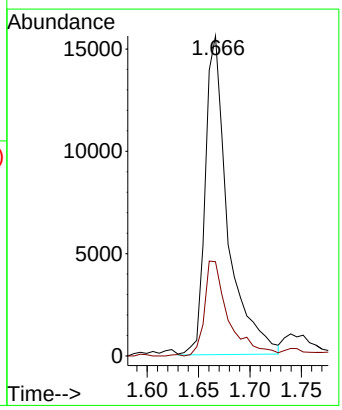
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

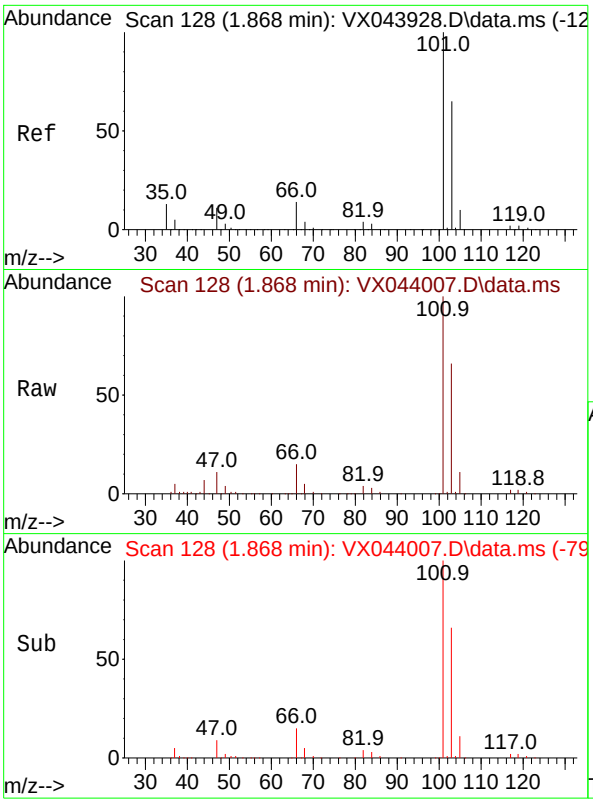


#6
Chloroethane
Concen: 21.823 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 64 Resp: 23849

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.9	38.9

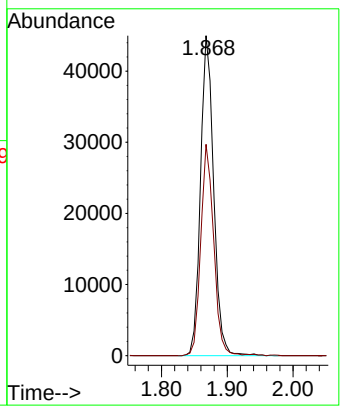




#7
Trichlorofluoromethane
Concen: 19.524 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:101 Resp: 6260

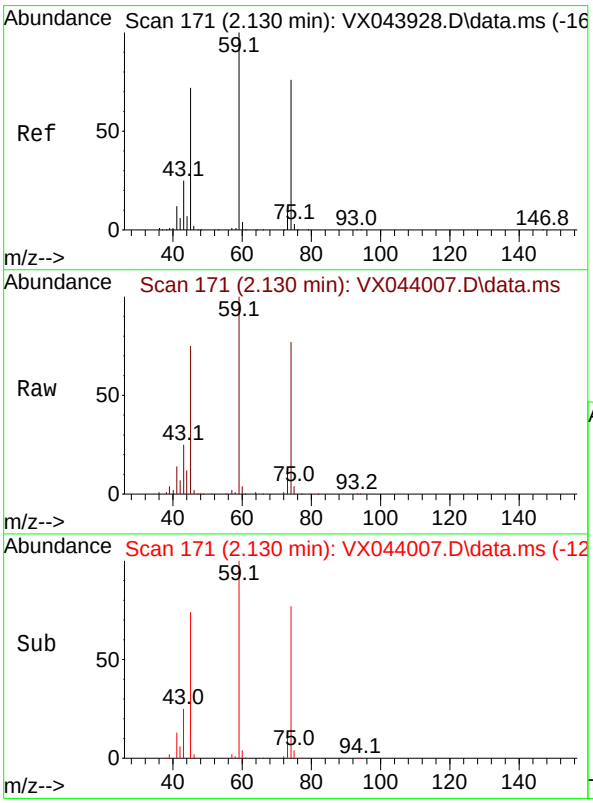
Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

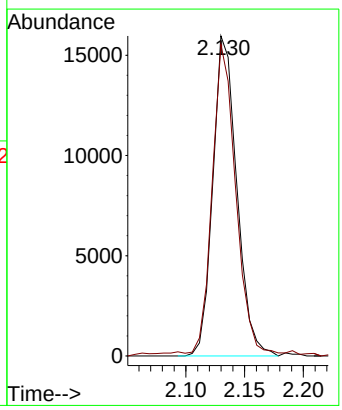
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

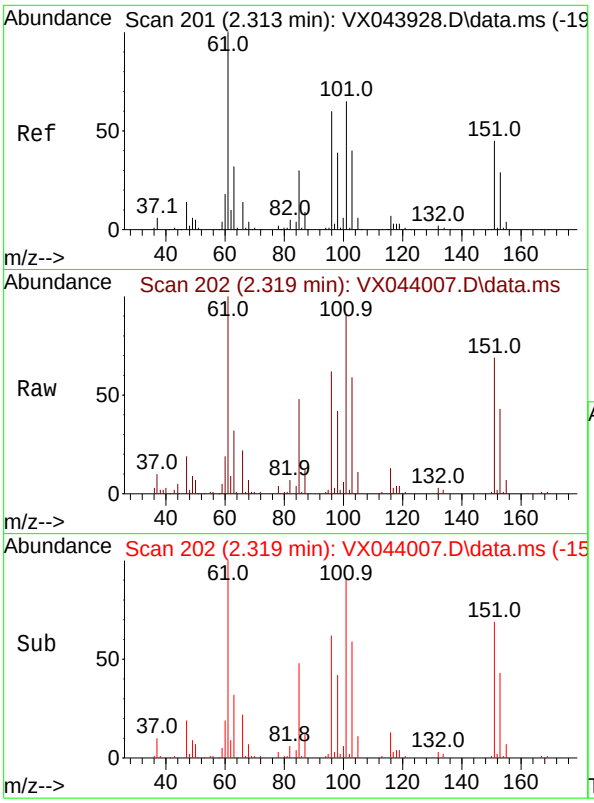


#8
Diethyl Ether
Concen: 19.385 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 74 Resp: 22655

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.9	143.6

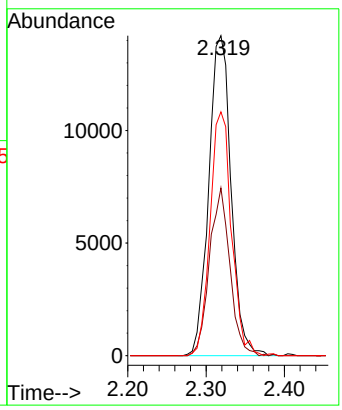




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.414 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:101 Resp: 2816

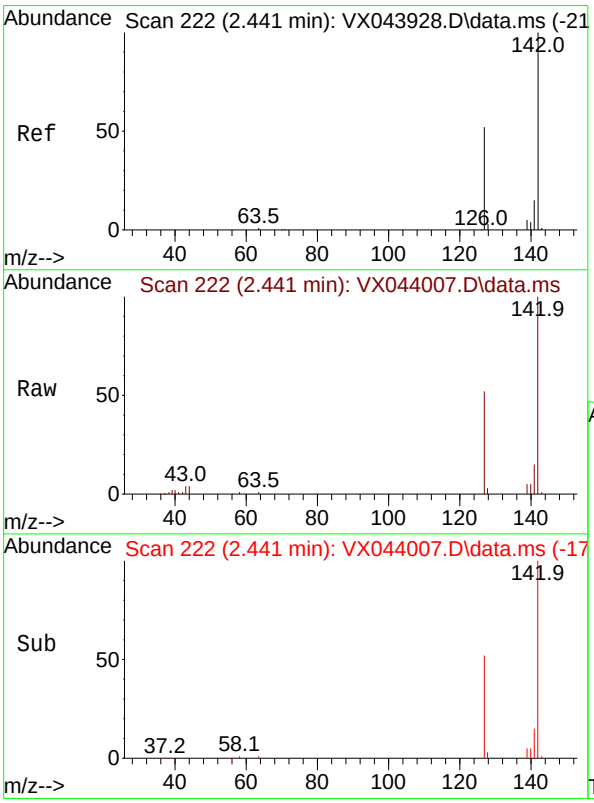
Ion	Ratio	Lower	Upper
101	100		
85	48.0	37.9	56.9
151	73.0	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

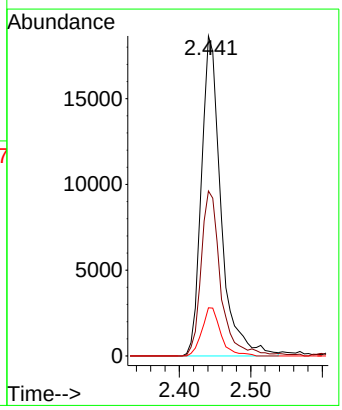
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

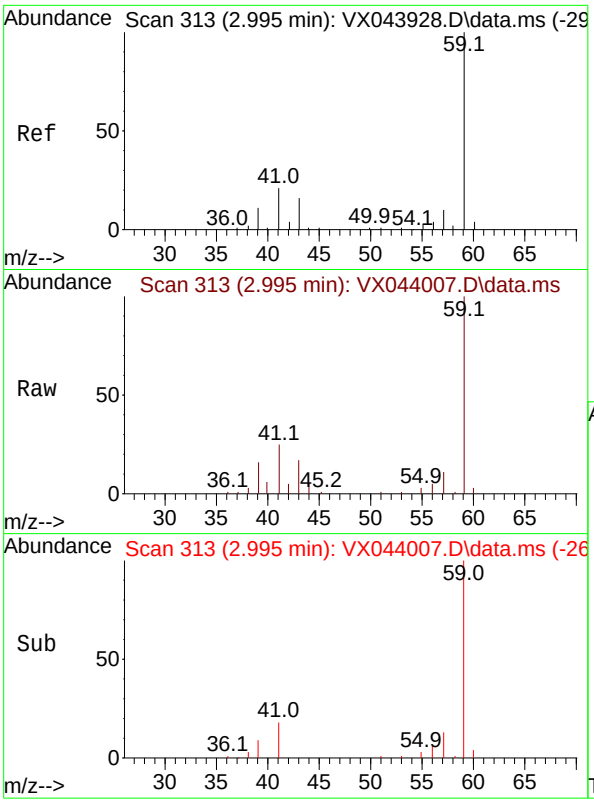


#10
Methyl Iodide
Concen: 18.605 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:142 Resp: 35540

Ion	Ratio	Lower	Upper
142	100		
127	51.9	40.7	61.1
141	14.5	12.0	18.0

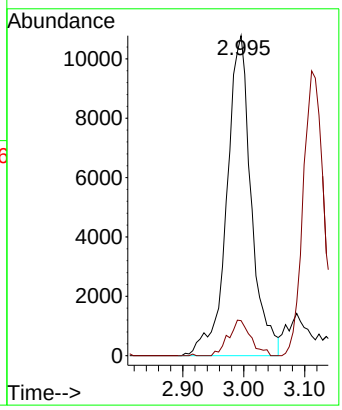




#11
Tert butyl alcohol
Concen: 86.450 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 59 Resp: 3010

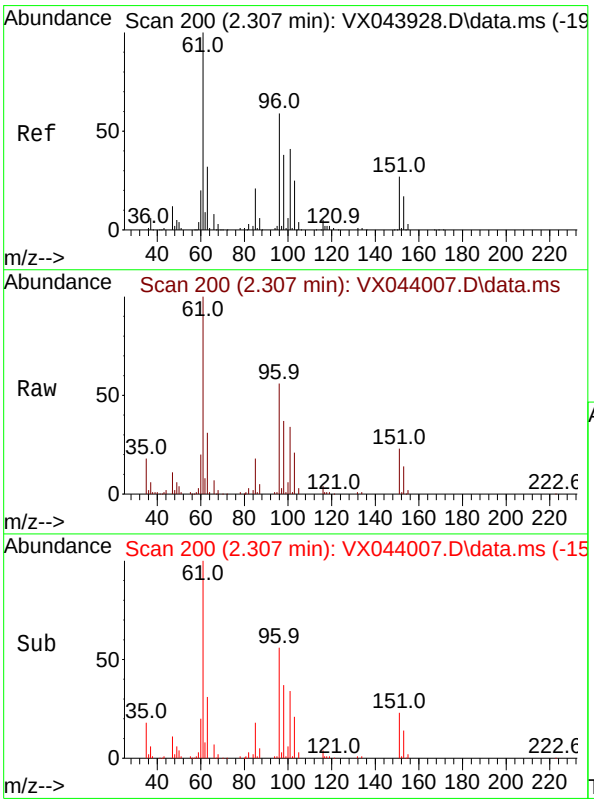
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

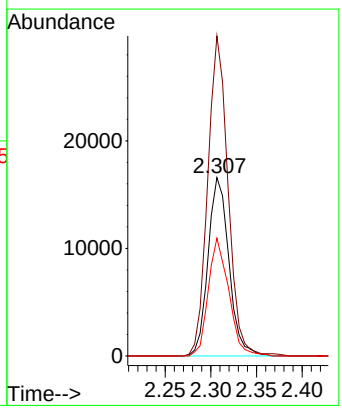
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

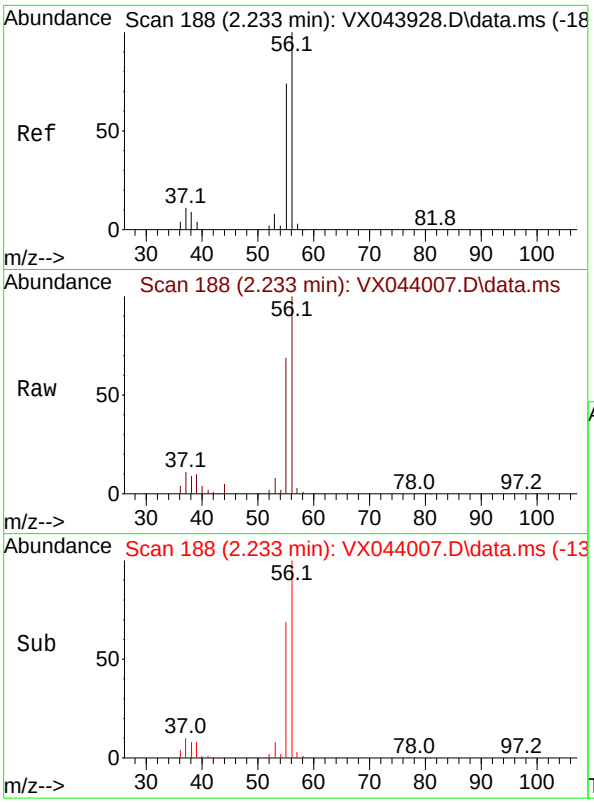


#12
1,1-Dichloroethene
Concen: 18.063 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 96 Resp: 26326

Ion	Ratio	Lower	Upper
96	100		
61	179.3	135.5	203.3
98	66.0	50.8	76.2

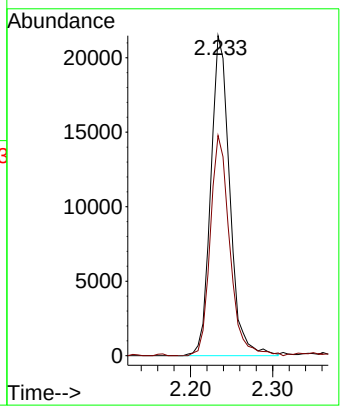




#13
Acrolein
Concen: 93.813 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 56 Resp: 3443

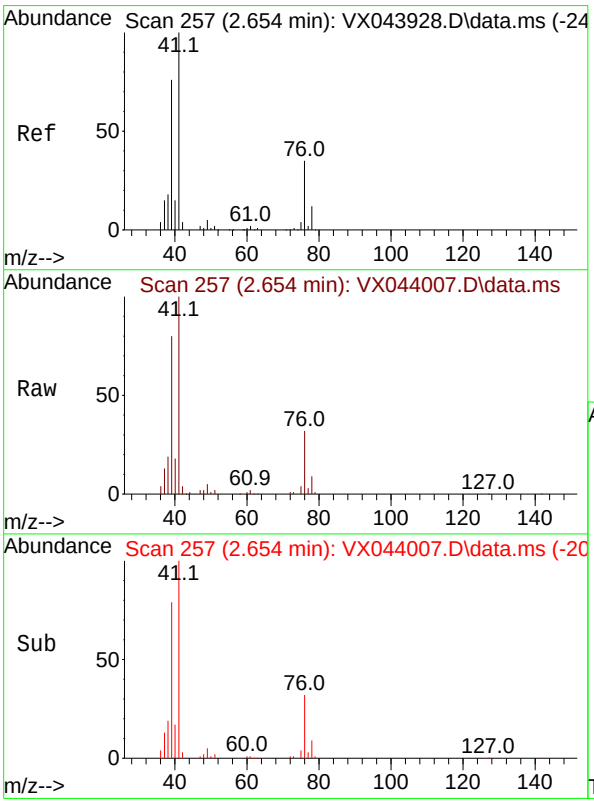
Ion	Ratio	Lower	Upper
56	100		
55	70.4	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

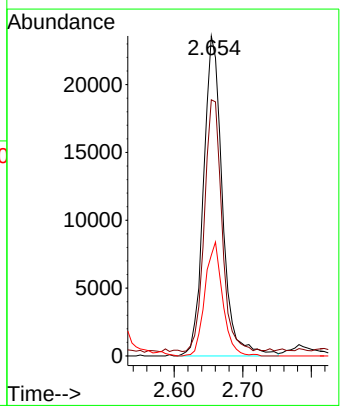
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

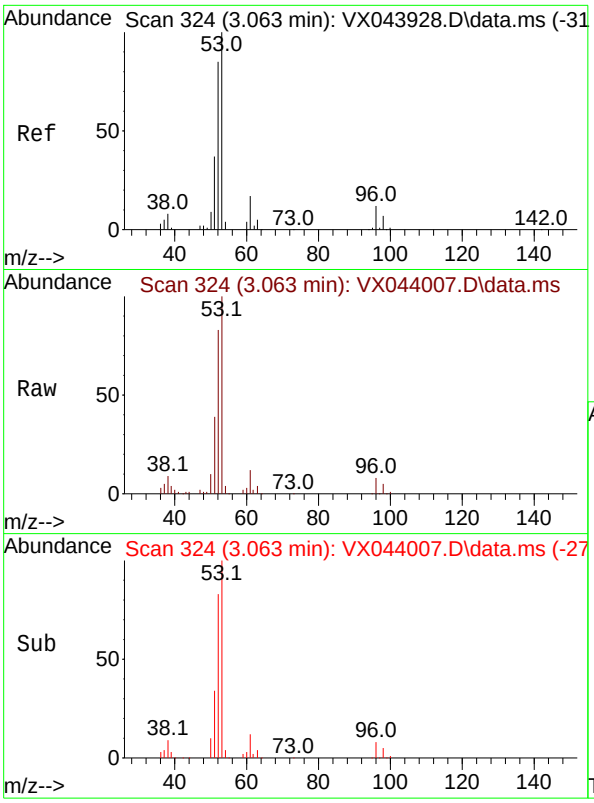


#14
Allyl chloride
Concen: 19.014 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 41 Resp: 45281

Ion	Ratio	Lower	Upper
41	100		
39	73.2	59.5	89.3
76	33.4	27.4	41.2





#15
Acrylonitrile
Concen: 97.321 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

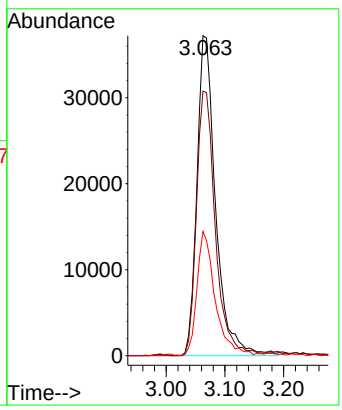
Tgt Ion: 53 Resp: 8258

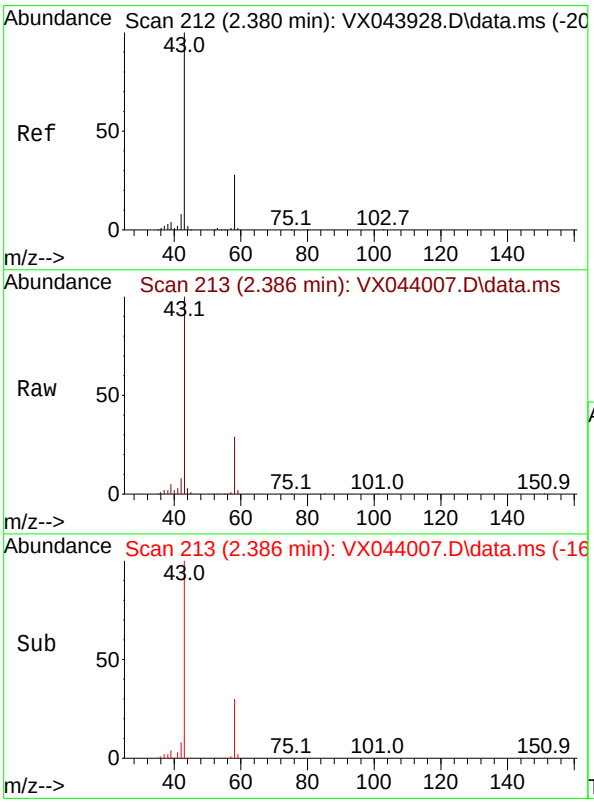
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	37.9	30.2	45.4

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

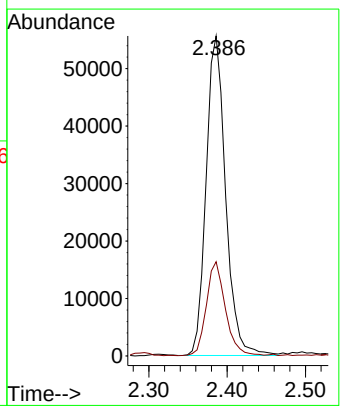


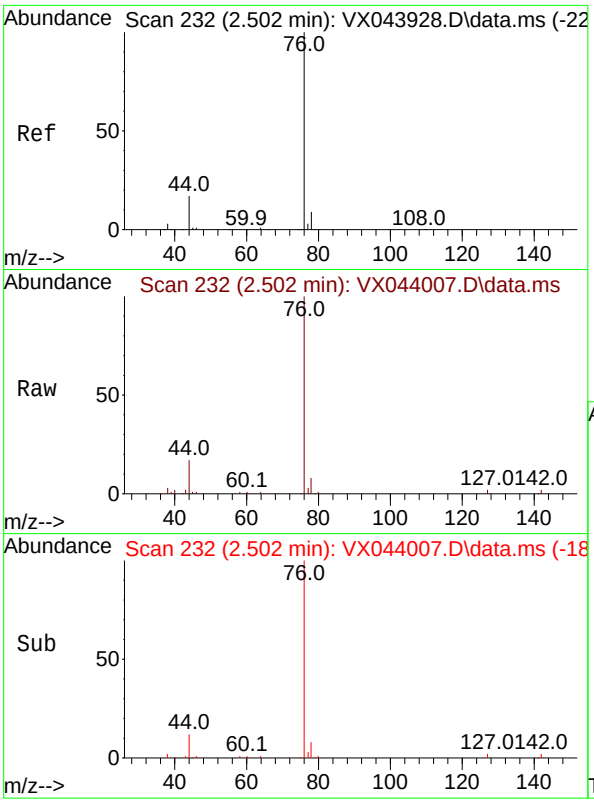


#16
Acetone
Concen: 96.461 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 96113

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.7	34.1





#17
Carbon Disulfide
Concen: 15.044 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

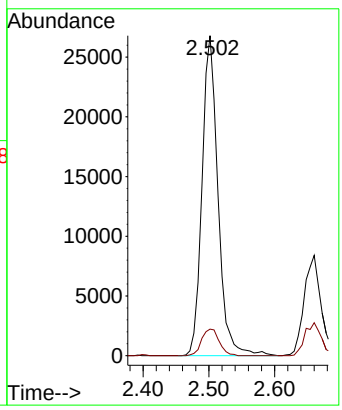
Tgt Ion: 76 Resp: 4522

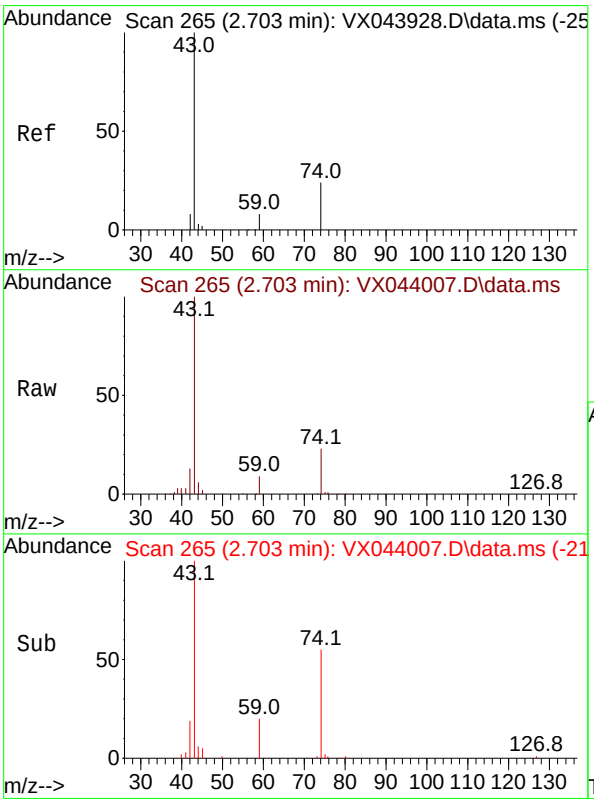
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

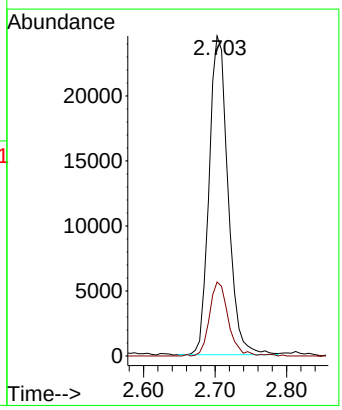


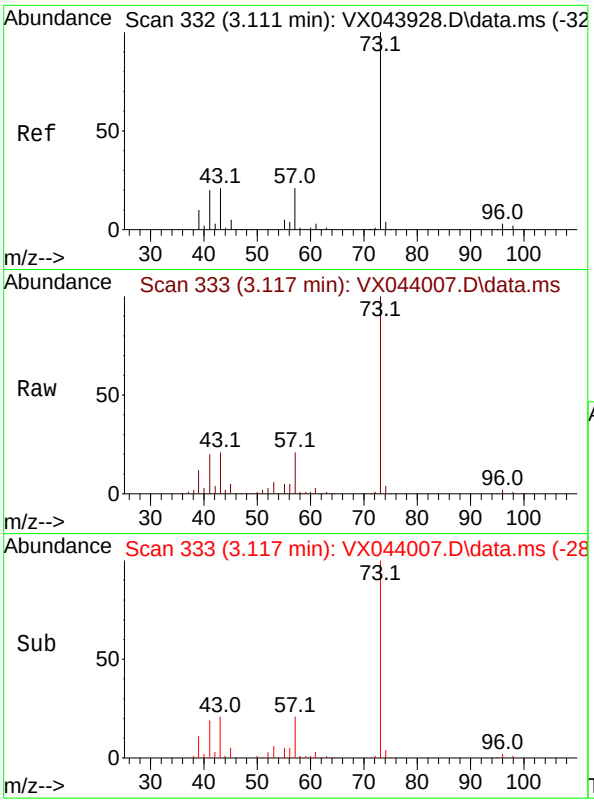


#18
Methyl Acetate
Concen: 19.432 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 45089

Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.9	28.3

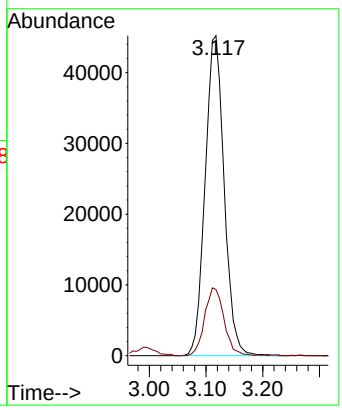




#19
Methyl tert-butyl Ether
Concen: 19.894 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 73 Resp: 10528

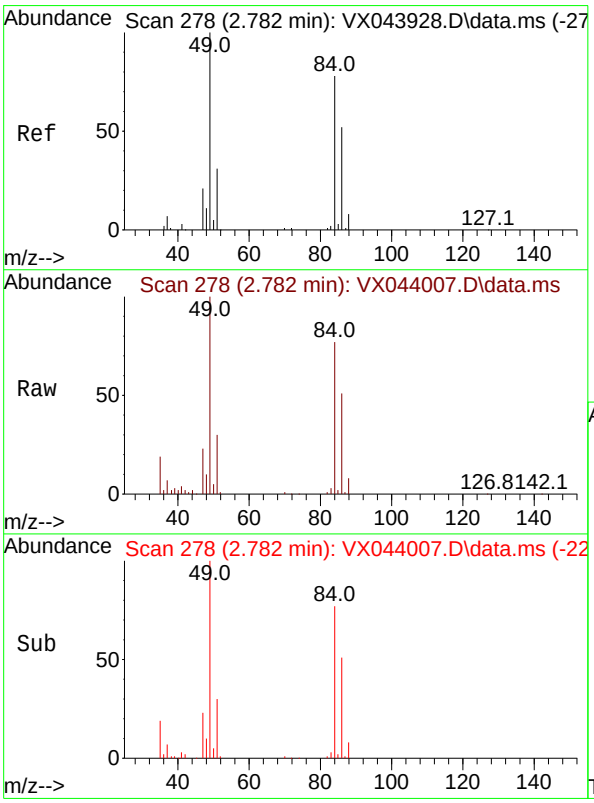
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

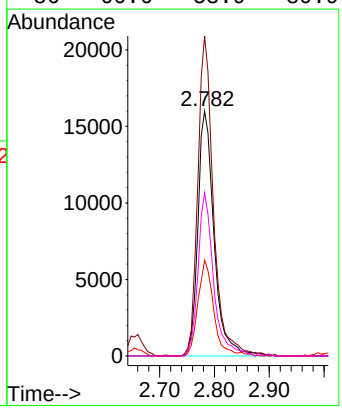
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

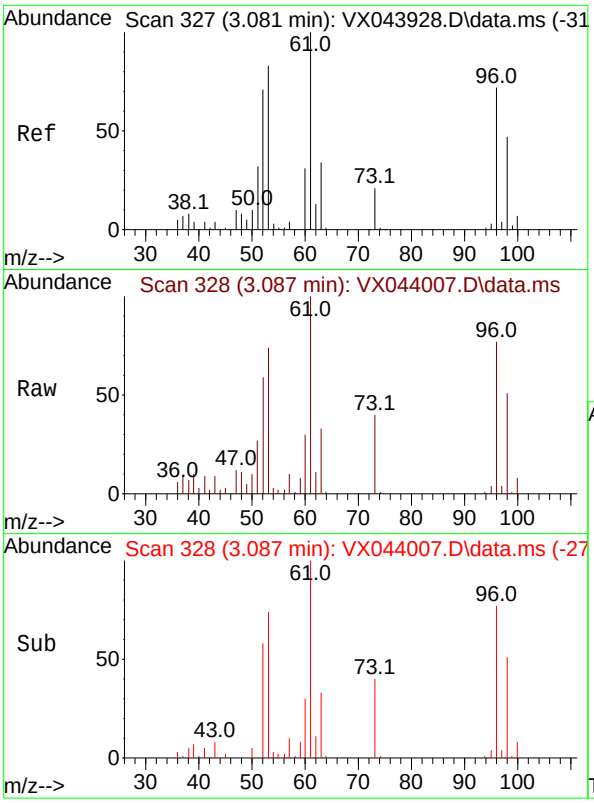


#20
Methylene Chloride
Concen: 19.479 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 84 Resp: 32937

Ion	Ratio	Lower	Upper
84	100		
49	130.7	102.7	154.1
51	39.1	31.7	47.5
86	66.6	53.9	80.9

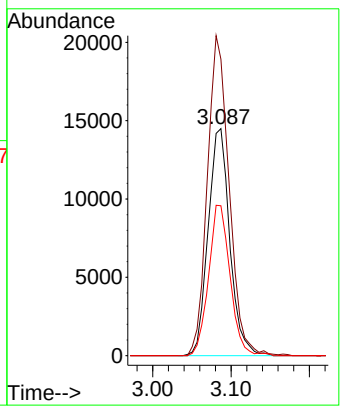




#21
trans-1,2-Dichloroethene
Concen: 18.501 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 96 Resp: 2783

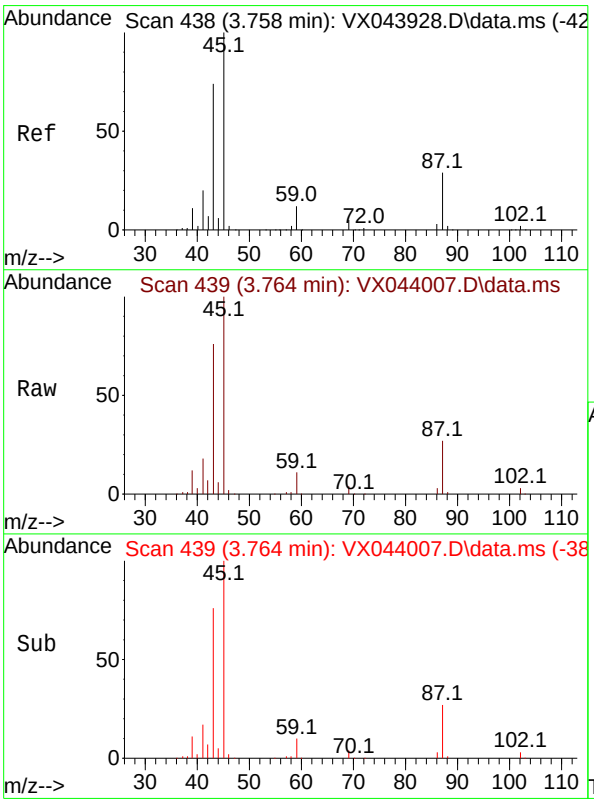
Ion	Ratio	Lower	Upper
96	100		
61	130.7	111.8	167.6
98	66.1	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

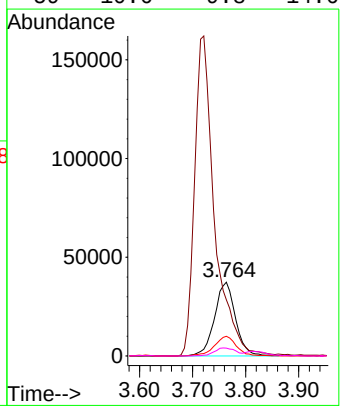
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

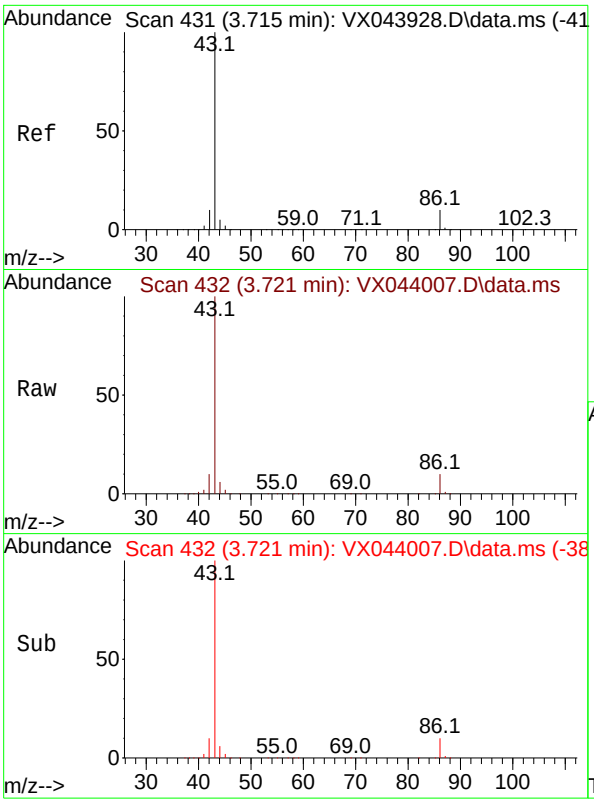


#22
Diisopropyl ether
Concen: 20.144 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 45 Resp: 102578

Ion	Ratio	Lower	Upper
45	100		
43	76.2	59.6	89.4
87	26.6	22.9	34.3
59	10.6	9.8	14.6





#23
Vinyl Acetate
Concen: 97.282 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

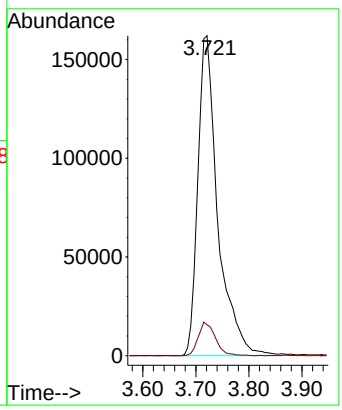
Tgt Ion: 43 Resp: 42378

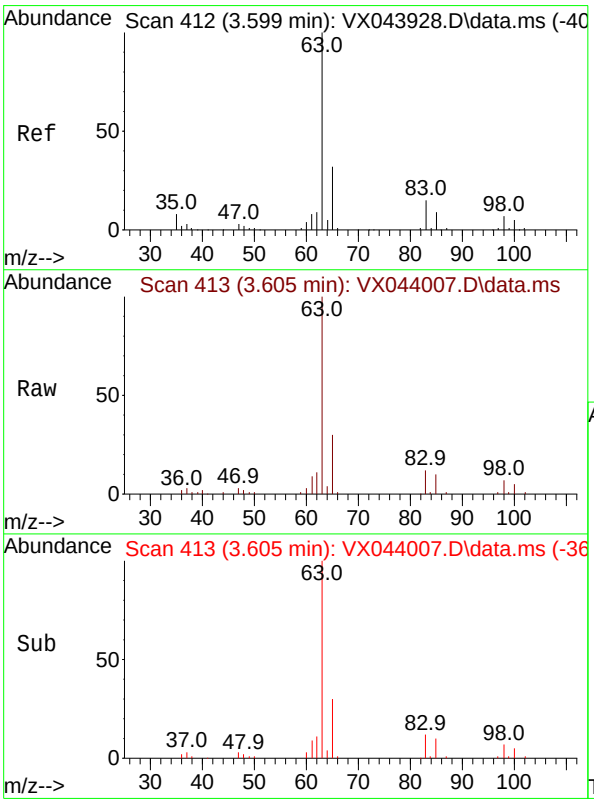
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

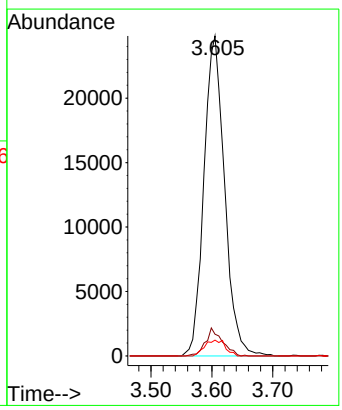


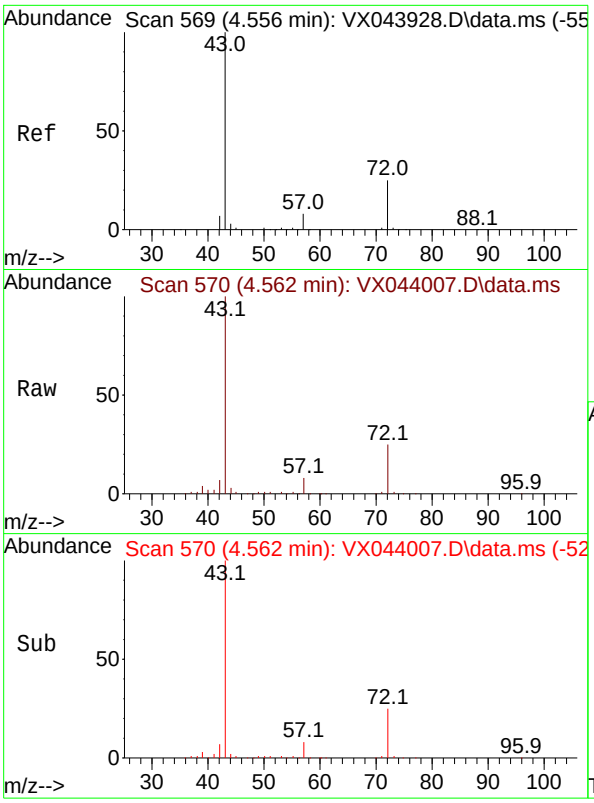


#24
1,1-Dichloroethane
Concen: 19.922 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 63 Resp: 58526

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.9	2.4	7.1





#25
2-Butanone
Concen: 97.100 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

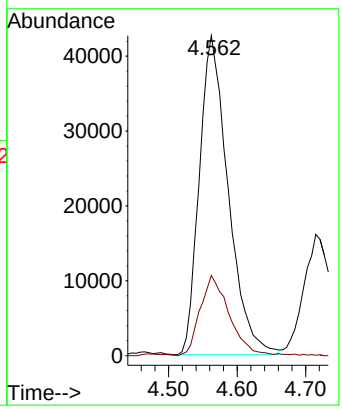
Tgt Ion: 43 Resp: 12483

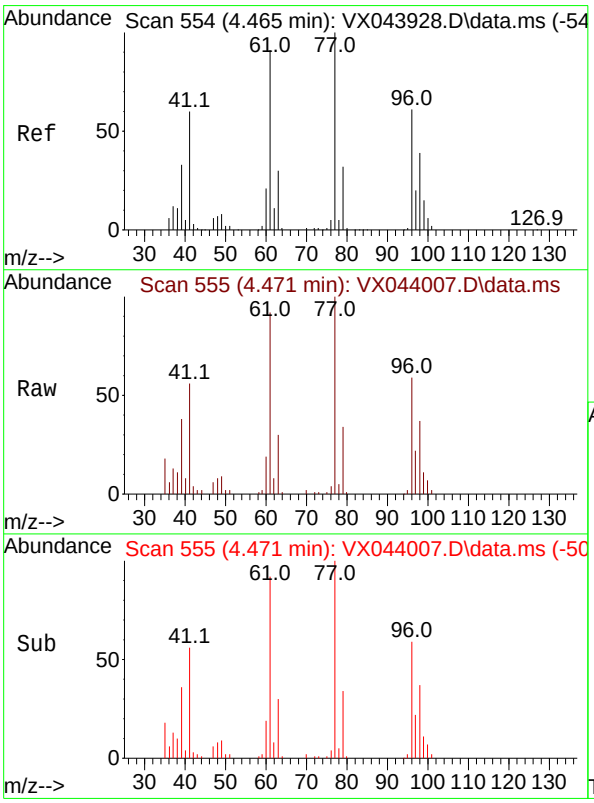
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.2

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

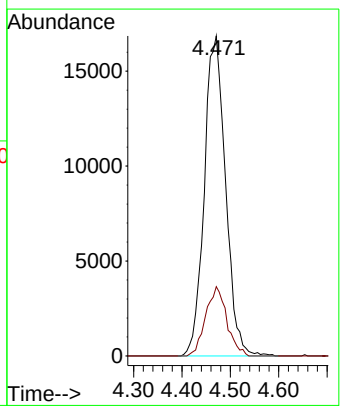


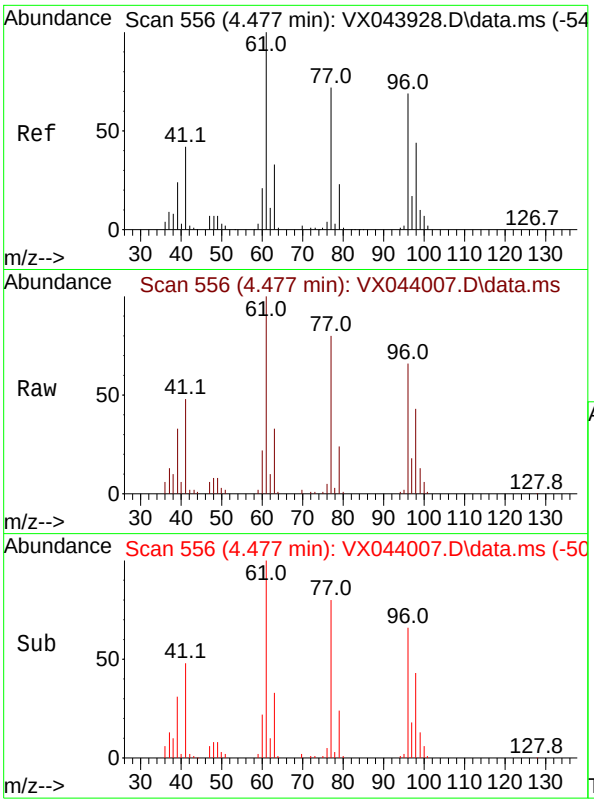


#26
2,2-Dichloropropane
Concen: 19.402 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 77 Resp: 51476

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3

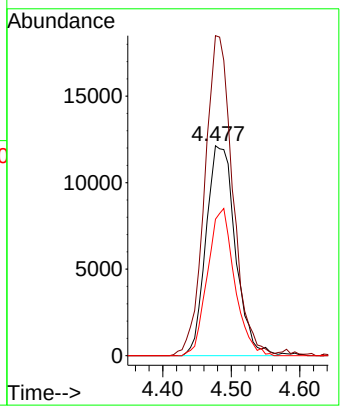




#27
cis-1,2-Dichloroethene
Concen: 19.349 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 96 Resp: 3598

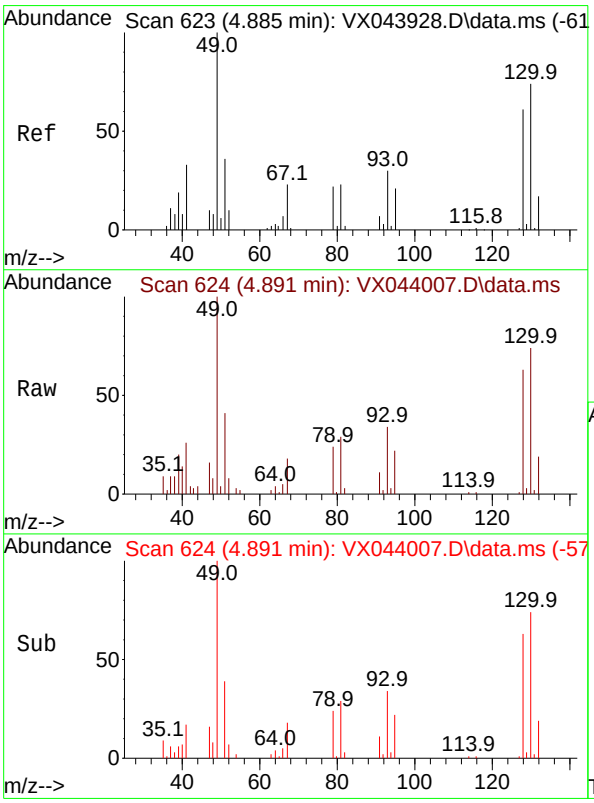
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	297.4
98	64.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

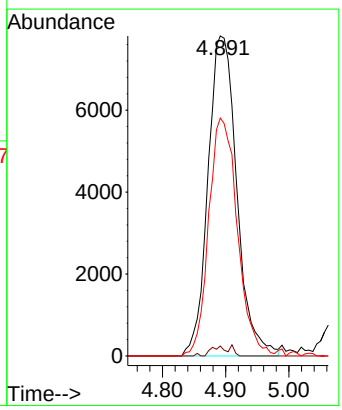
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

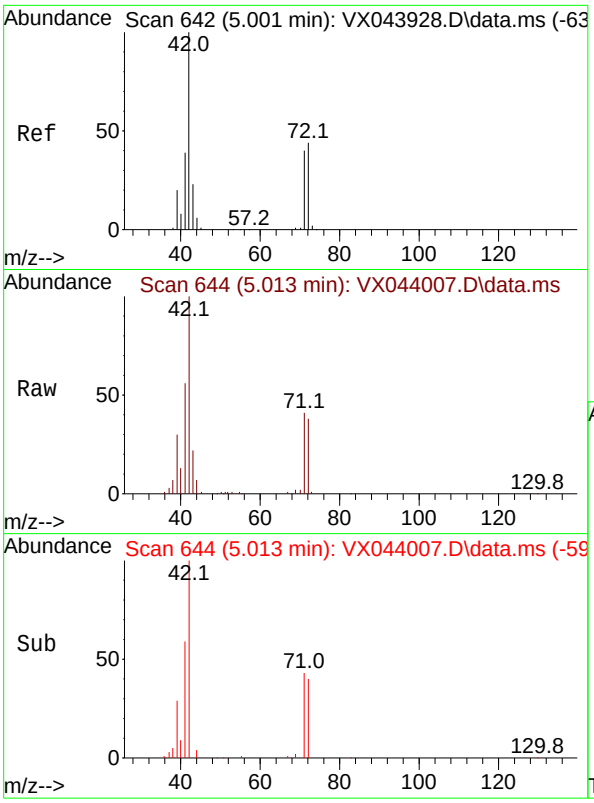


#28
Bromochloromethane
Concen: 19.112 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 49 Resp: 24714

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	73.7	59.0	88.6





#29
Tetrahydrofuran
Concen: 92.239 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

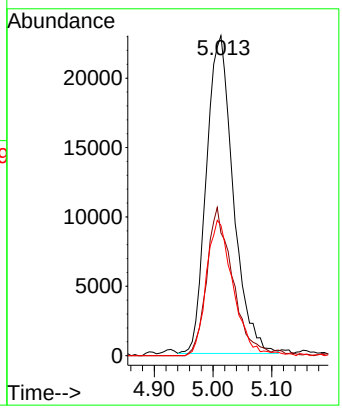
Tgt Ion: 42 Resp: 7270

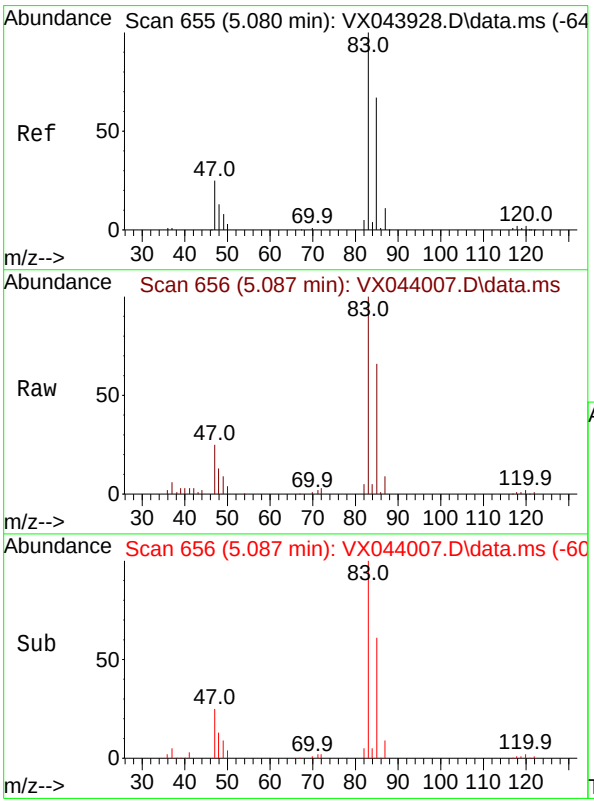
Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.7	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

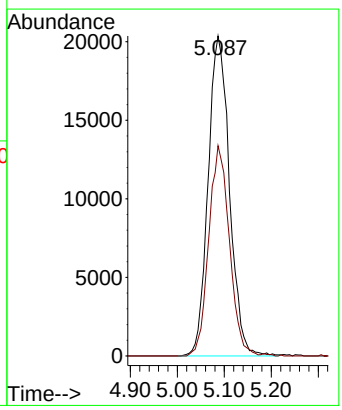


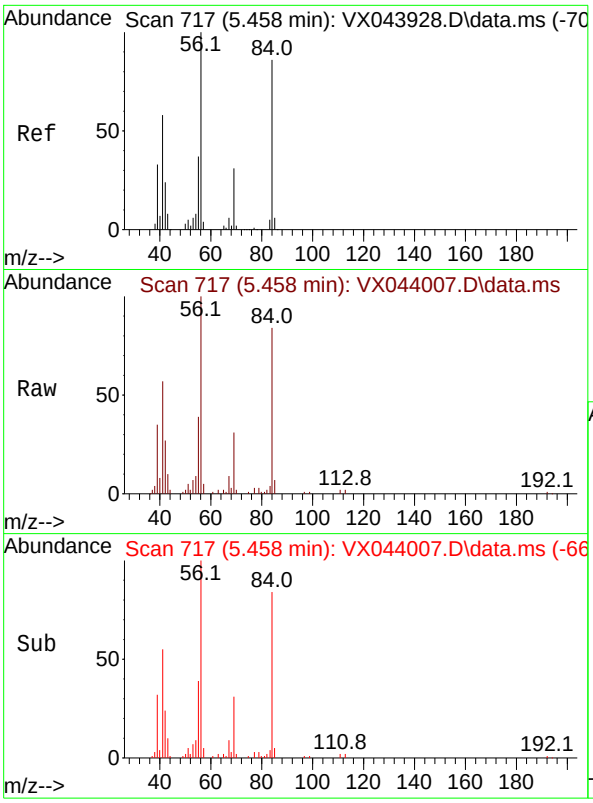


#30
Chloroform
Concen: 20.383 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 83 Resp: 64403

Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.5	80.3

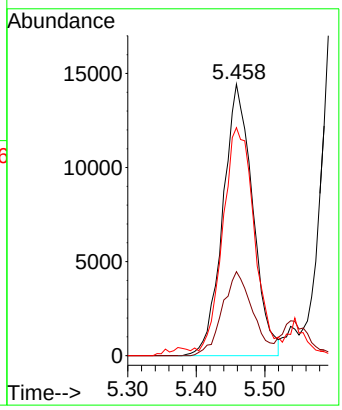




#31
Cyclohexane
Concen: 18.001 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 56 Resp: 4352

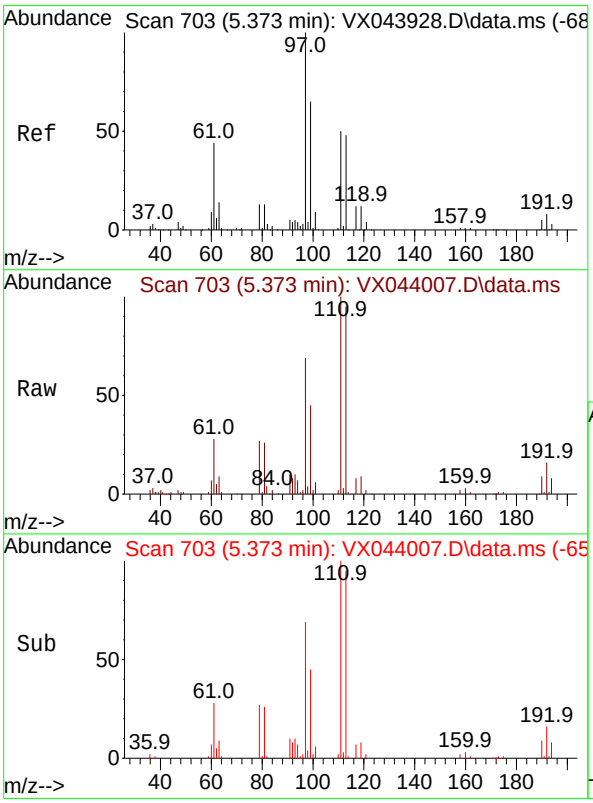
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.7	37.1
84	81.0	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

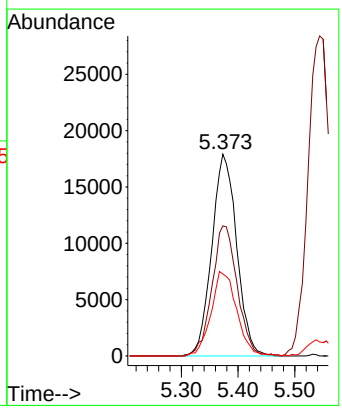
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

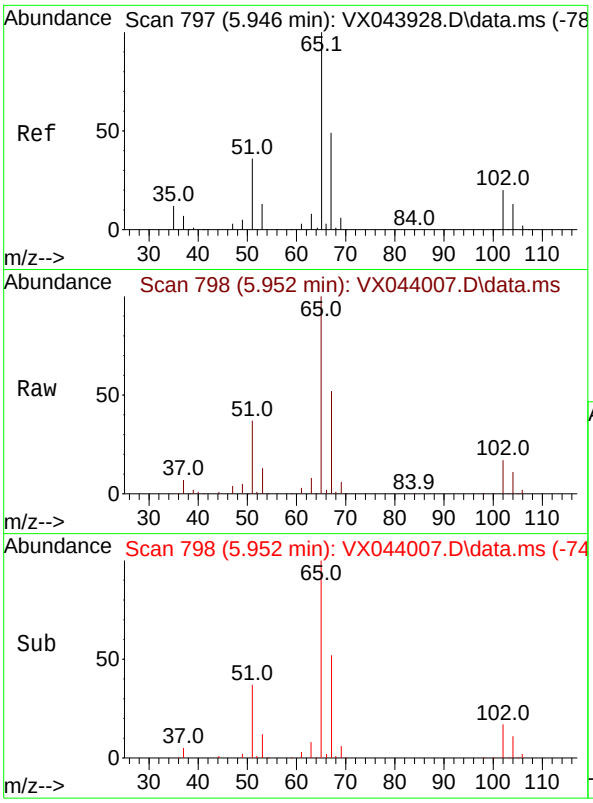


#32
1,1,1-Trichloroethane
Concen: 20.055 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 97 Resp: 54646

Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.8	76.2
61	43.2	35.4	53.2

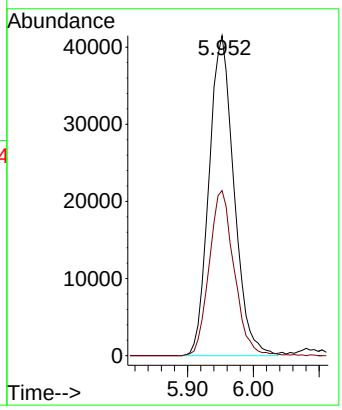




#33
1,2-Dichloroethane-d4
Concen: 50.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 65 Resp: 10961

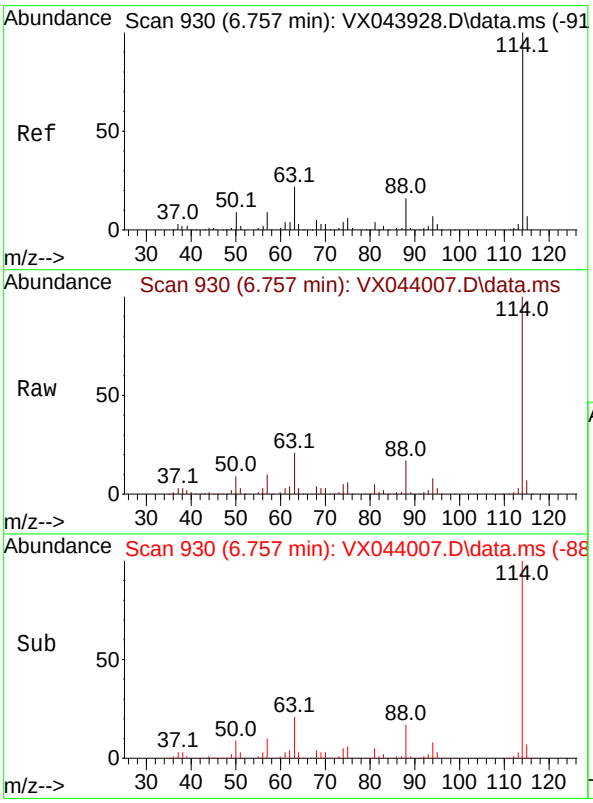
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

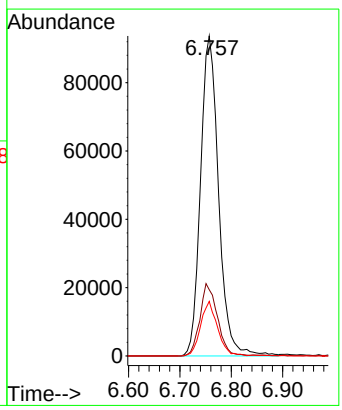
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

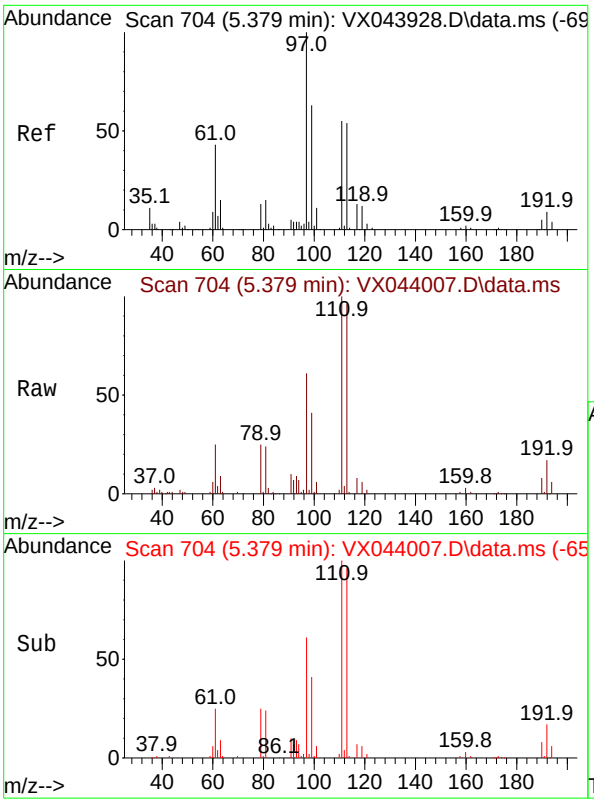


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:114 Resp: 228899

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	17.1	0.0	32.4

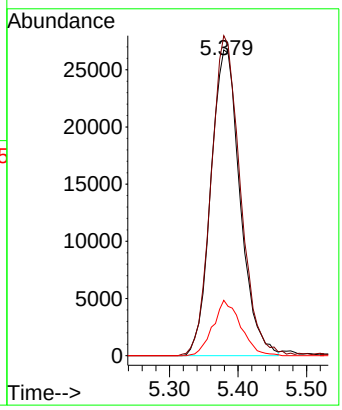




#35
Dibromofluoromethane
Concen: 48.405 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:113 Resp: 7917

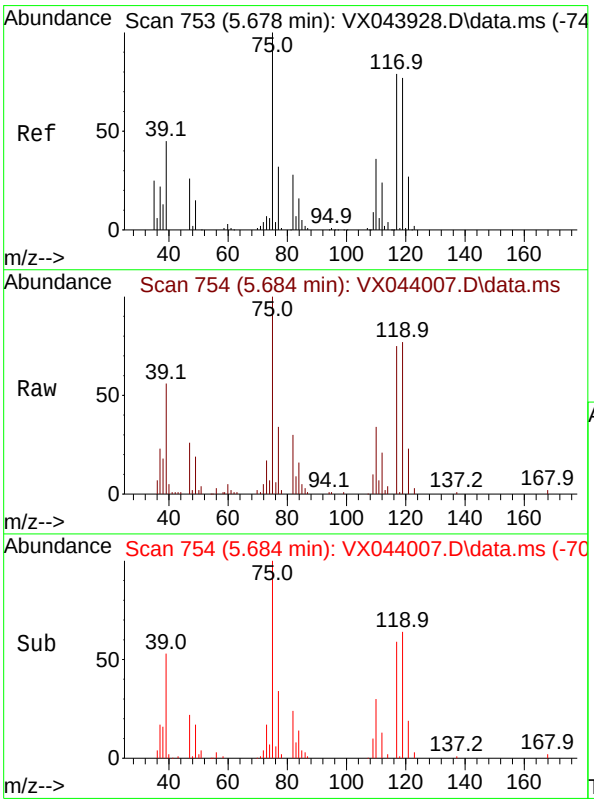
Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.0	121.4
192	17.3	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

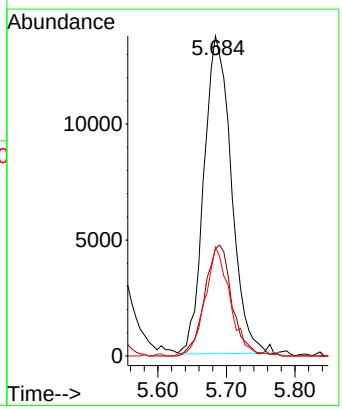
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

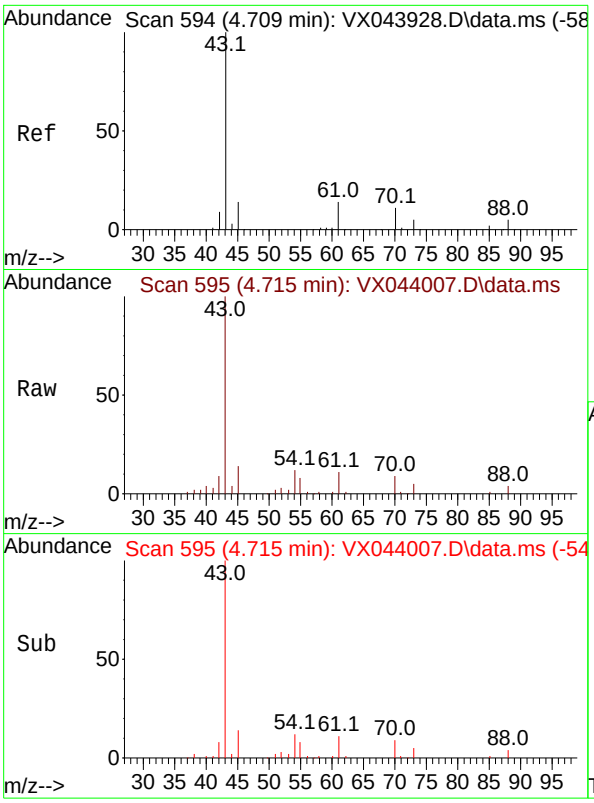


#36
1,1-Dichloropropene
Concen: 18.700 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 38113

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.4	52.2
77	31.5	25.8	38.8

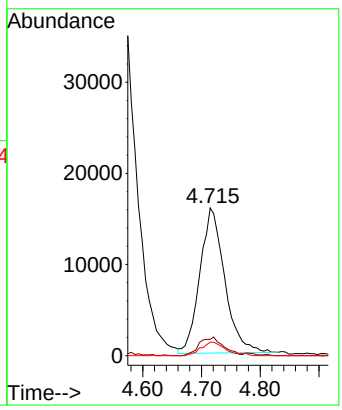




#37
Ethyl Acetate
Concen: 18.532 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 4688

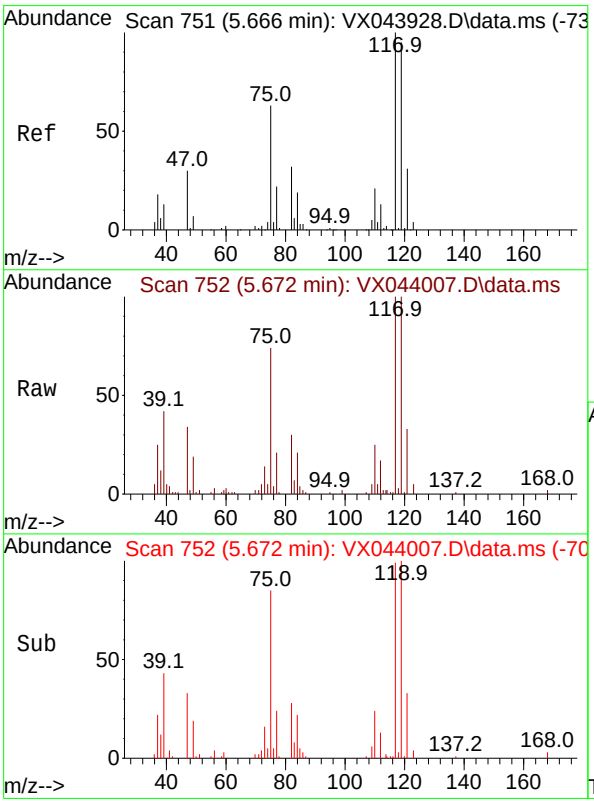
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	9.2	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

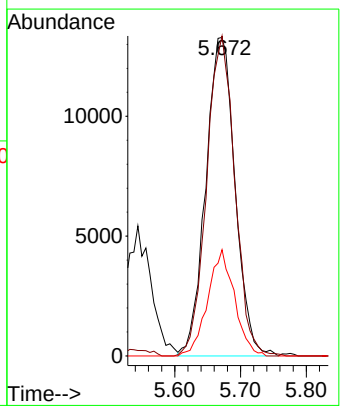
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

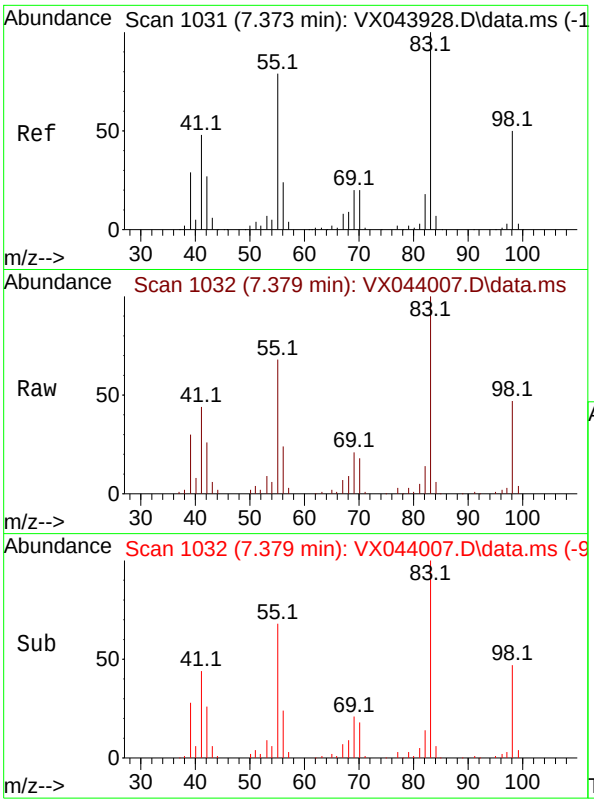


#38
Carbon Tetrachloride
Concen: 18.046 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:117 Resp: 41327

Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.2	112.8
121	33.3	24.5	36.7

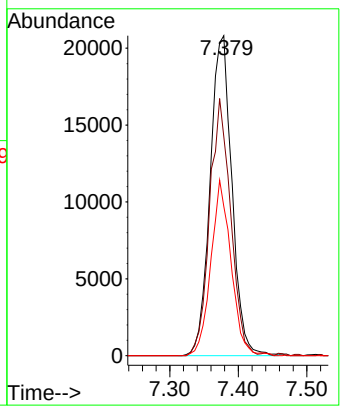




#39
Methylcyclohexane
Concen: 17.334 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 83 Resp: 4589

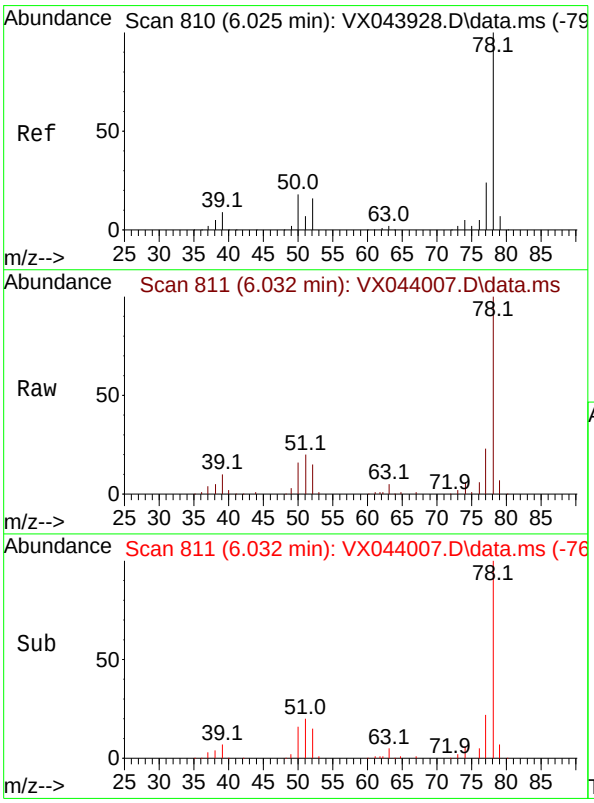
Ion	Ratio	Lower	Upper
83	100		
55	68.4	63.1	94.7
98	46.6	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

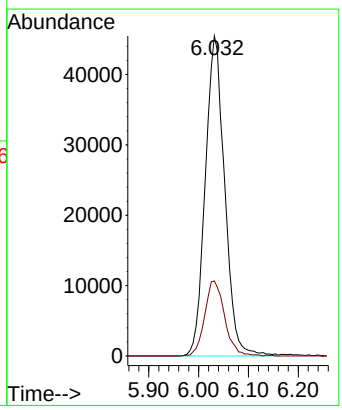
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

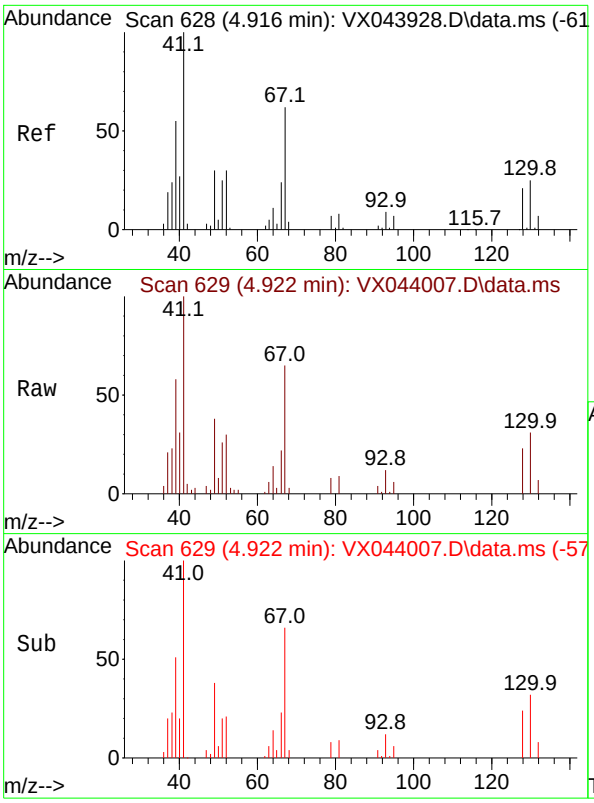


#40
Benzene
Concen: 19.371 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 78 Resp: 122979

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8

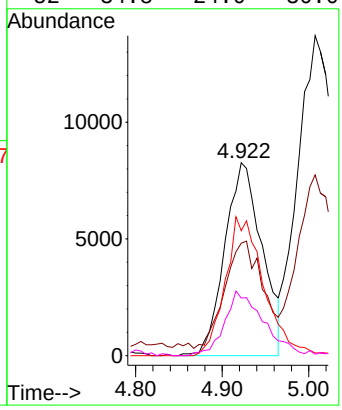




#41
Methacrylonitrile
Concen: 19.116 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 41 Resp: 2475

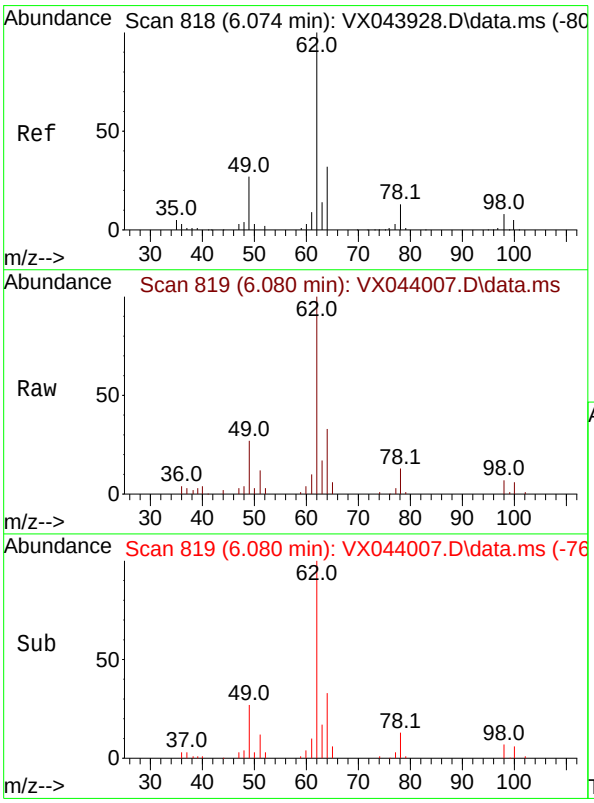
Ion	Ratio	Lower	Upper
41	100		
39	56.7	41.7	62.5
67	74.5	55.8	83.8
52	34.8	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

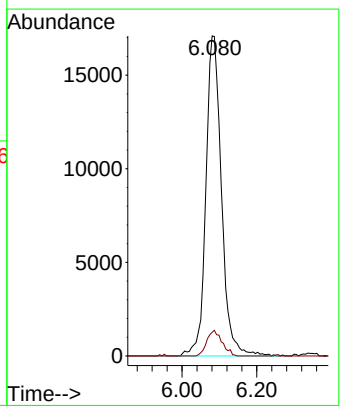
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

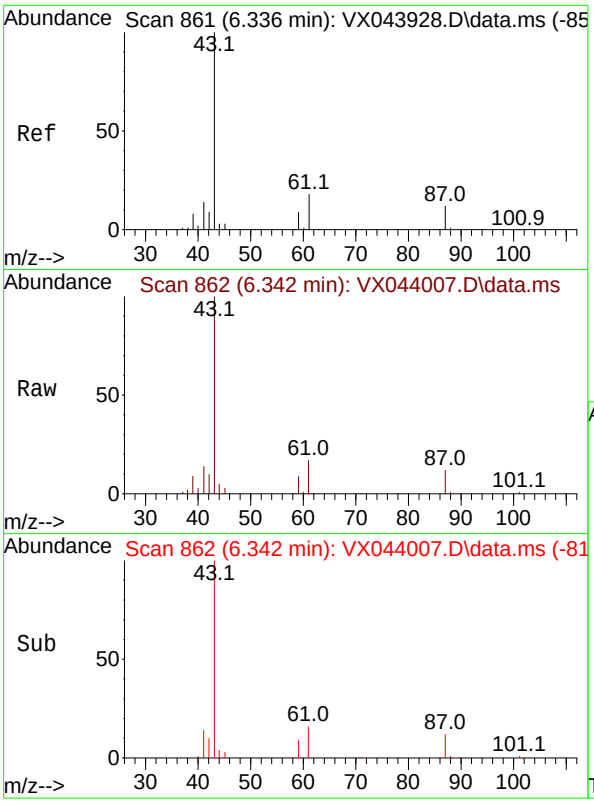


#42
1,2-Dichloroethane
Concen: 19.425 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 62 Resp: 49529

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.4

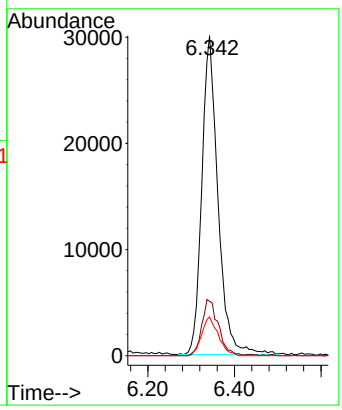




#43
Isopropyl Acetate
Concen: 19.307 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 7773

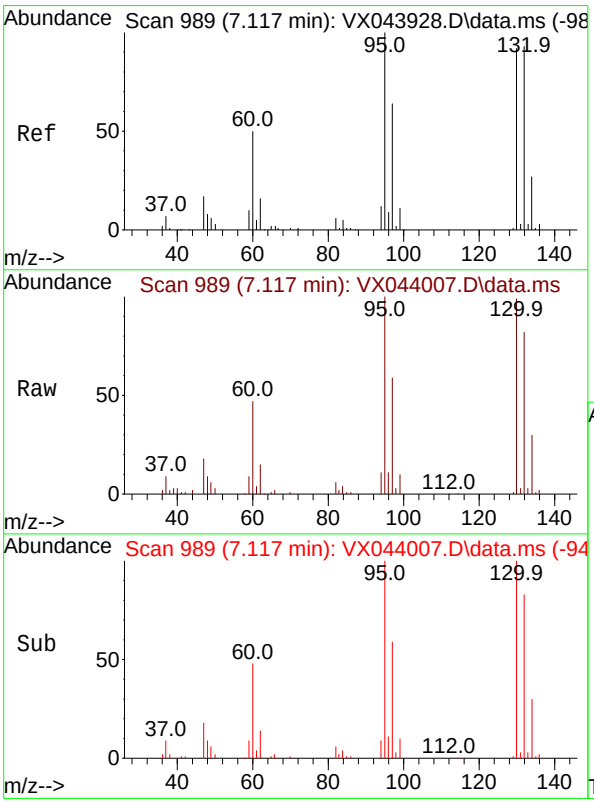
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	12.4	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

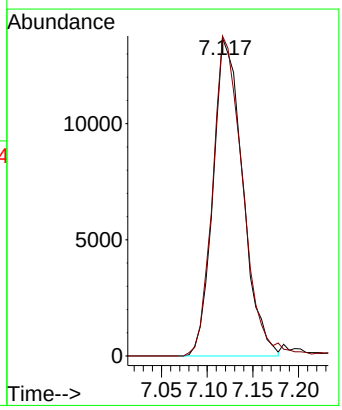
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

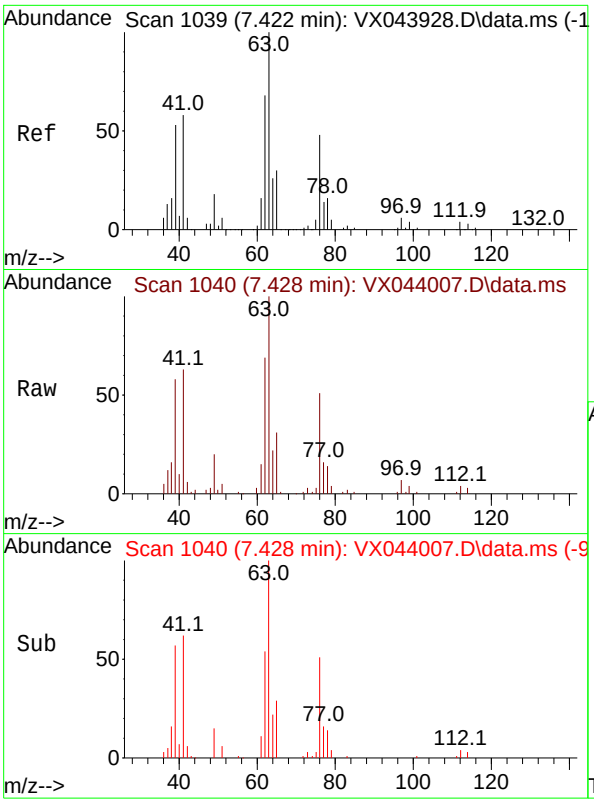


#44
Trichloroethene
Concen: 17.152 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:130 Resp: 30827

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	217.8





#45
1,2-Dichloropropane
Concen: 20.023 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

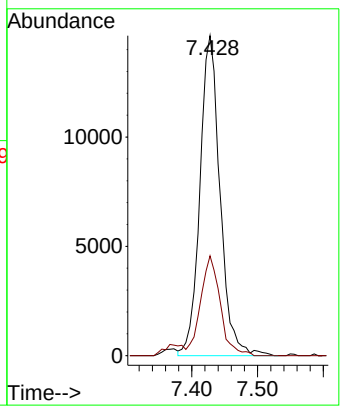
Tgt Ion: 63 Resp: 3113

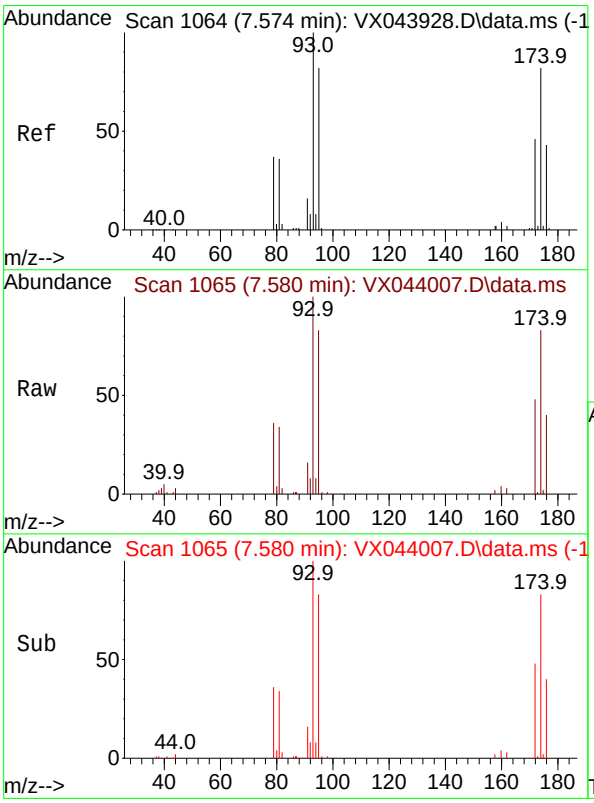
Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

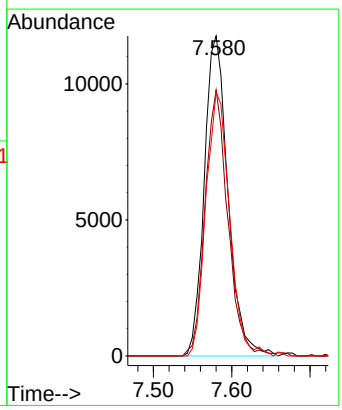


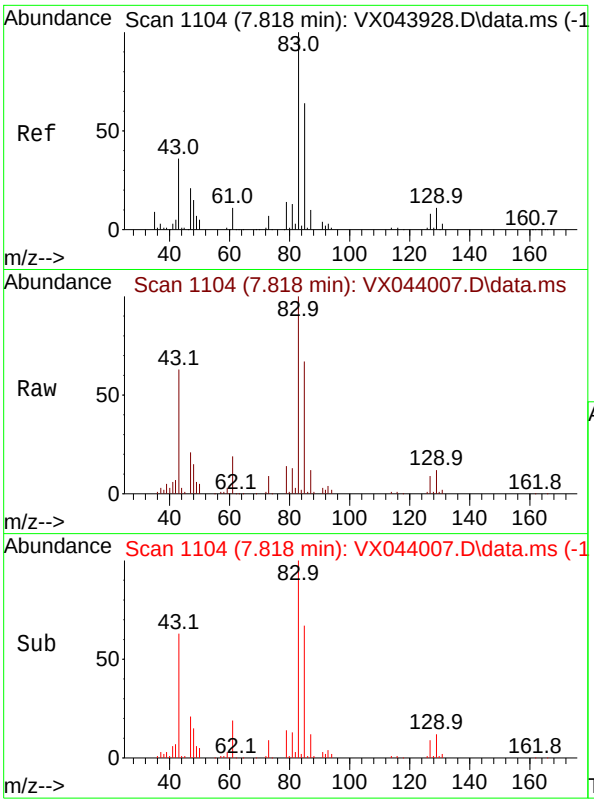


#46
Dibromomethane
Concen: 20.022 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 93 Resp: 24627

Ion	Ratio	Lower	Upper
93	100		
95	80.1	66.2	99.4
174	82.6	69.6	104.4

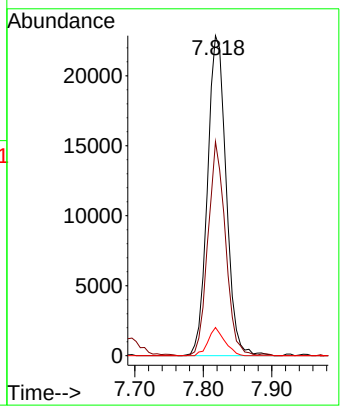




#47
Bromodichloromethane
Concen: 19.598 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 83 Resp: 4323

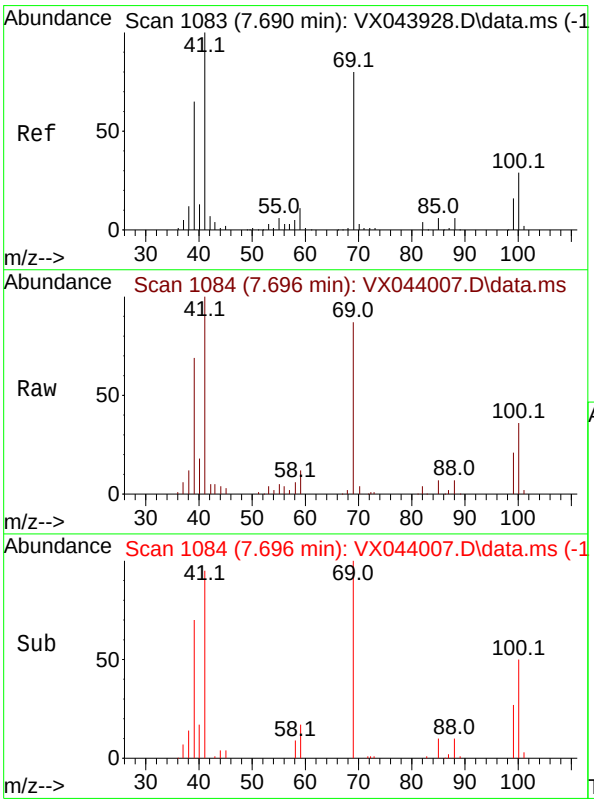
Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.0
127	8.8	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

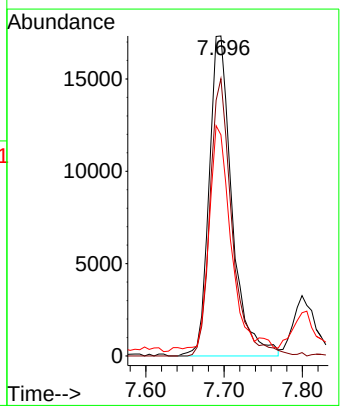
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

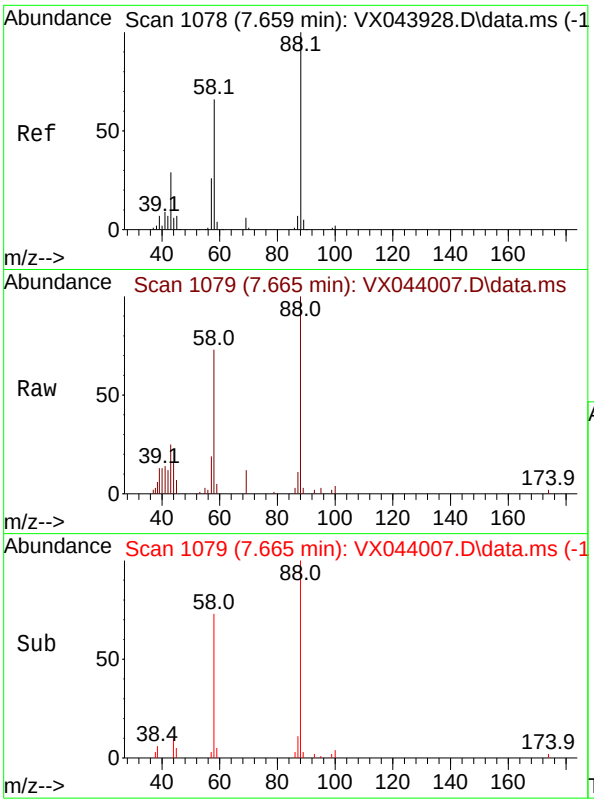


#48
Methyl methacrylate
Concen: 18.221 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 41 Resp: 35204

Ion	Ratio	Lower	Upper
41	100		
69	83.5	64.6	97.0
39	65.8	53.3	79.9

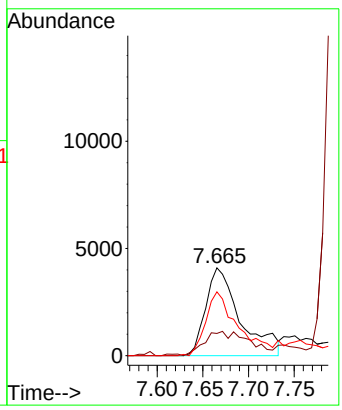




#49
1,4-Dioxane
Concen: 312.828 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 88 Resp: 1076

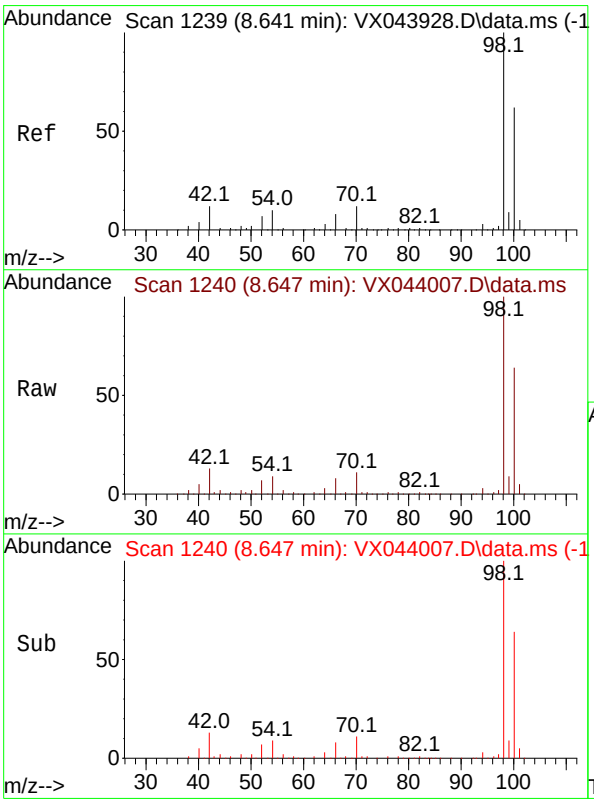
Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.8	40.2
58	67.7	45.4	68.2



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

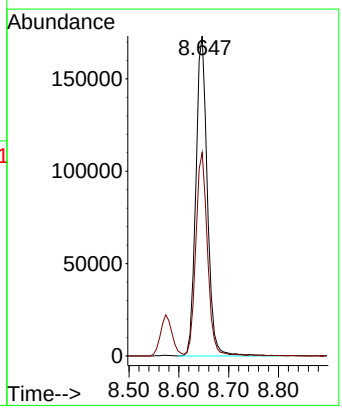
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

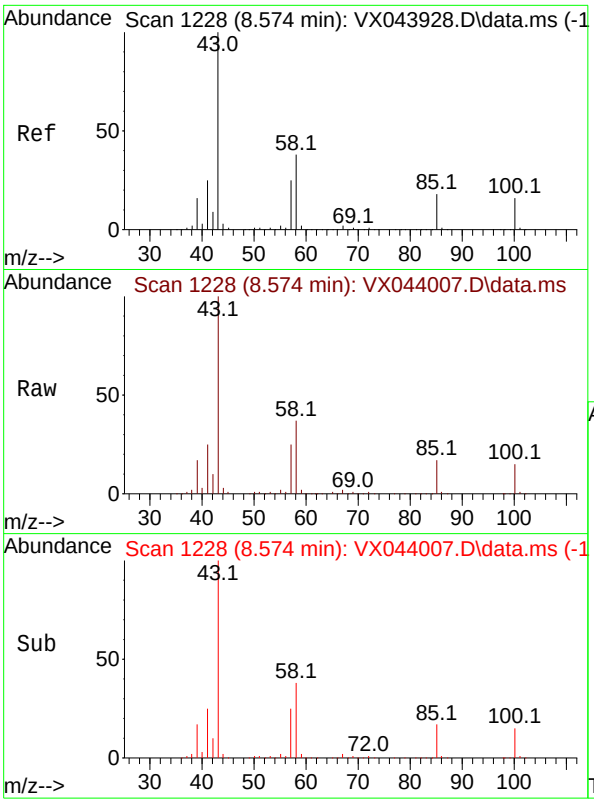


#50
Toluene-d8
Concen: 49.197 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 98 Resp: 277374

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0

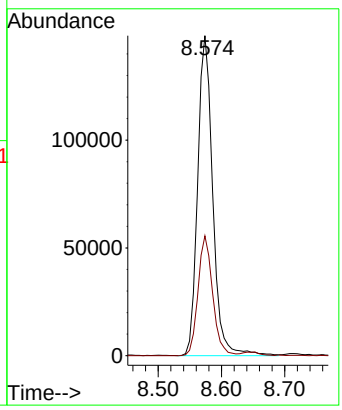




#51
4-Methyl-2-Pentanone
Concen: 100.516 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 24697

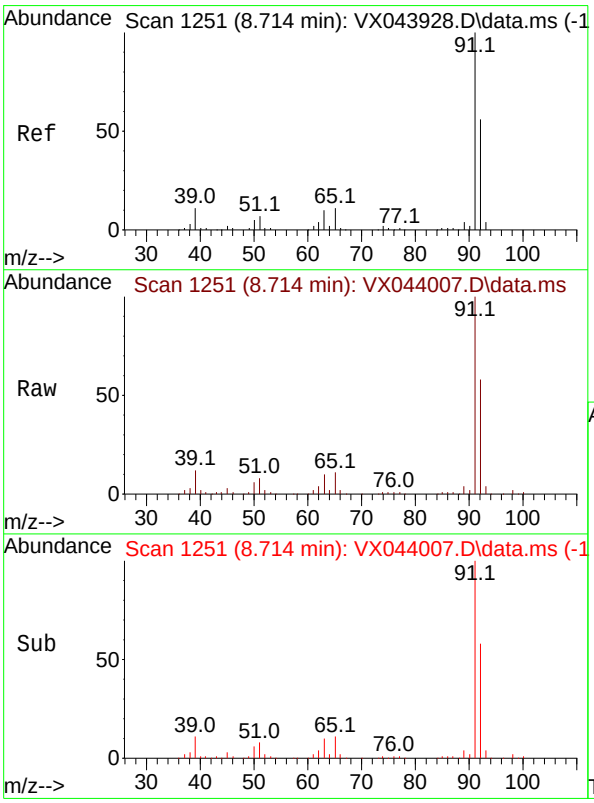
Ion	Ratio	Lower	Upper
43	100		
58	36.2	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

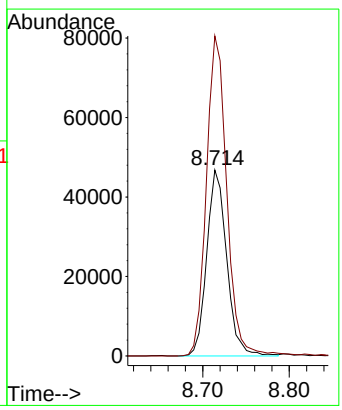
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

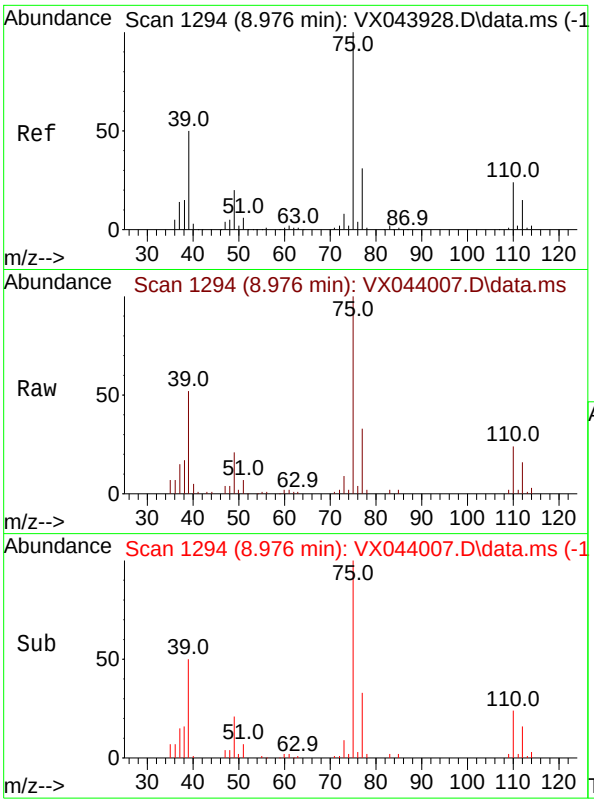


#52
Toluene
Concen: 19.767 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 92 Resp: 75111

Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.7	209.5

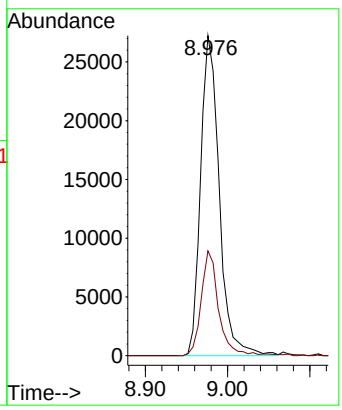




#53
t-1,3-Dichloropropene
Concen: 19.090 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 4294

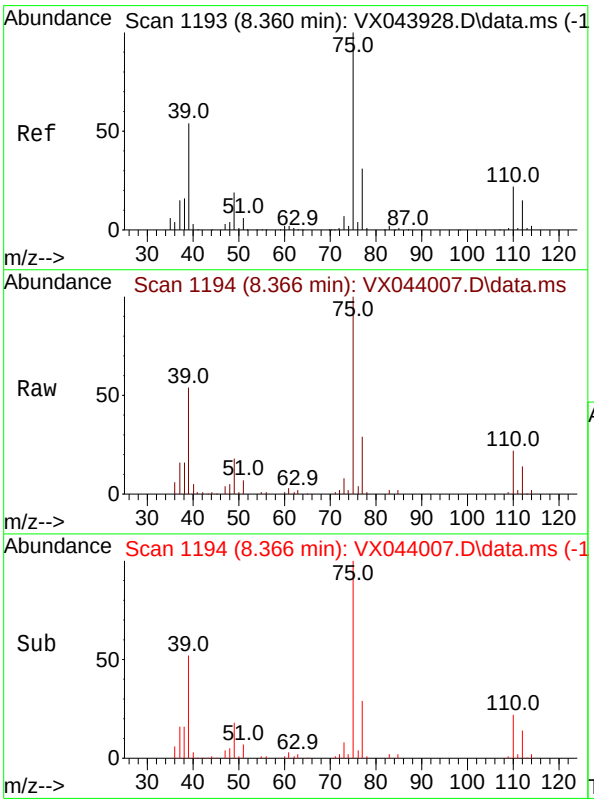
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

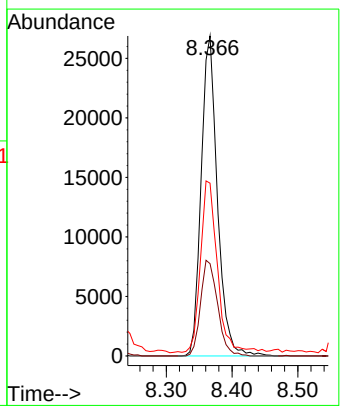
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

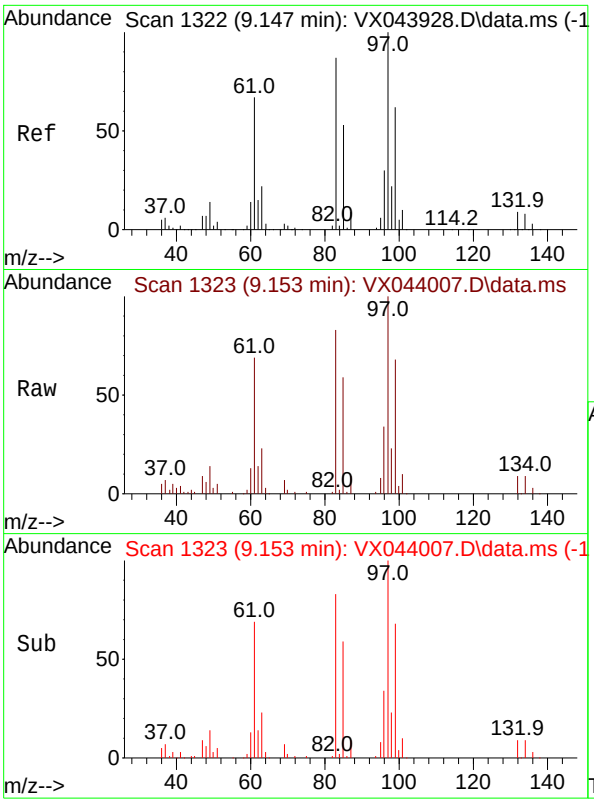


#54
cis-1,3-Dichloropropene
Concen: 18.729 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 46188

Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.2	37.8
39	52.7	43.1	64.7

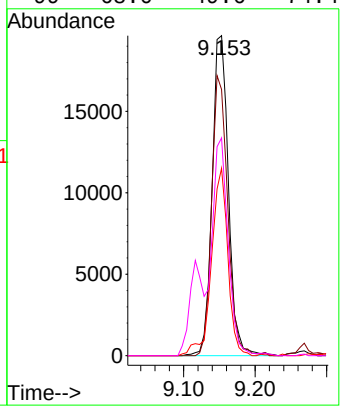




#55
1,1,2-Trichloroethane
Concen: 19.793 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 97 Resp: 3104

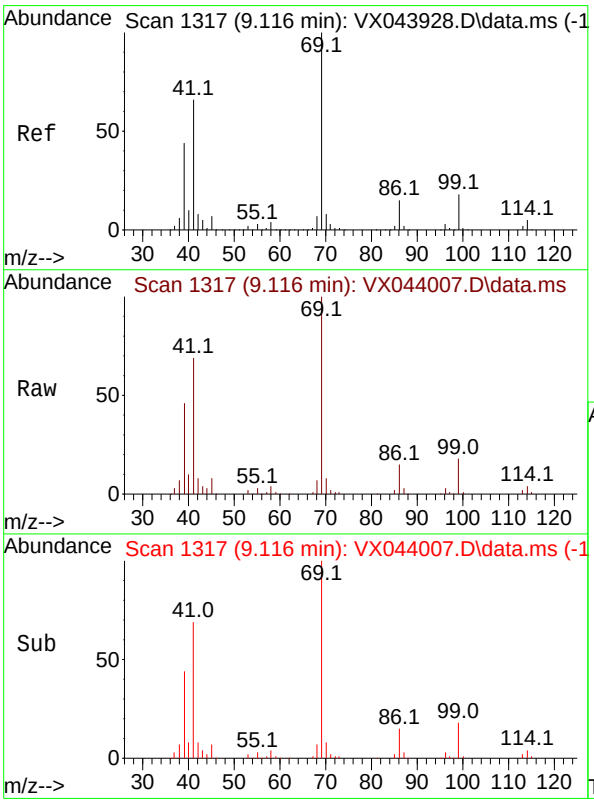
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	58.6	42.3	63.5
99	68.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

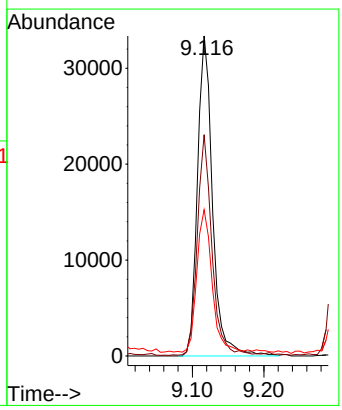
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

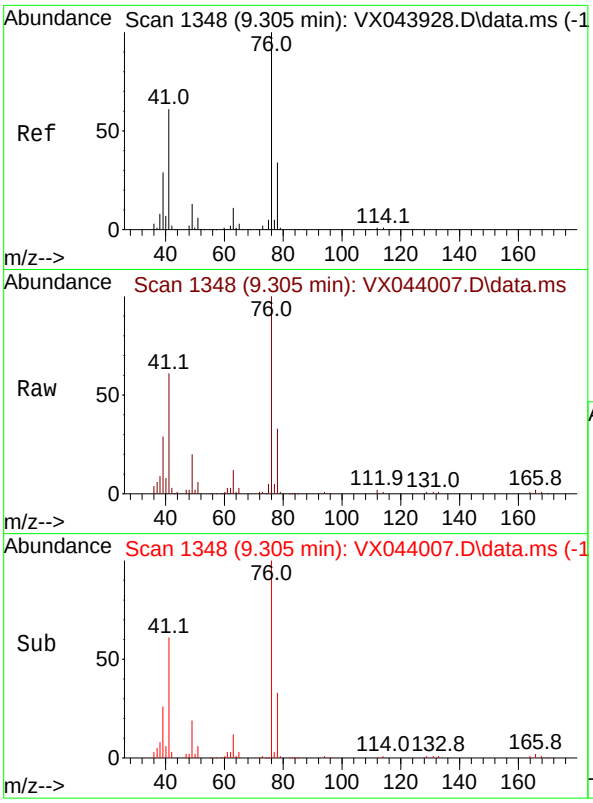


#56
Ethyl methacrylate
Concen: 19.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 69 Resp: 48761

Ion	Ratio	Lower	Upper
69	100		
41	67.1	55.8	83.8
39	44.6	36.7	55.1

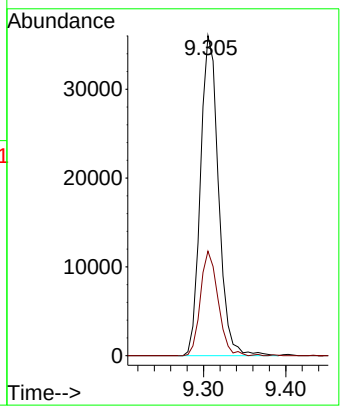




#57
1,3-Dichloropropane
Concen: 20.786 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 76 Resp: 5492

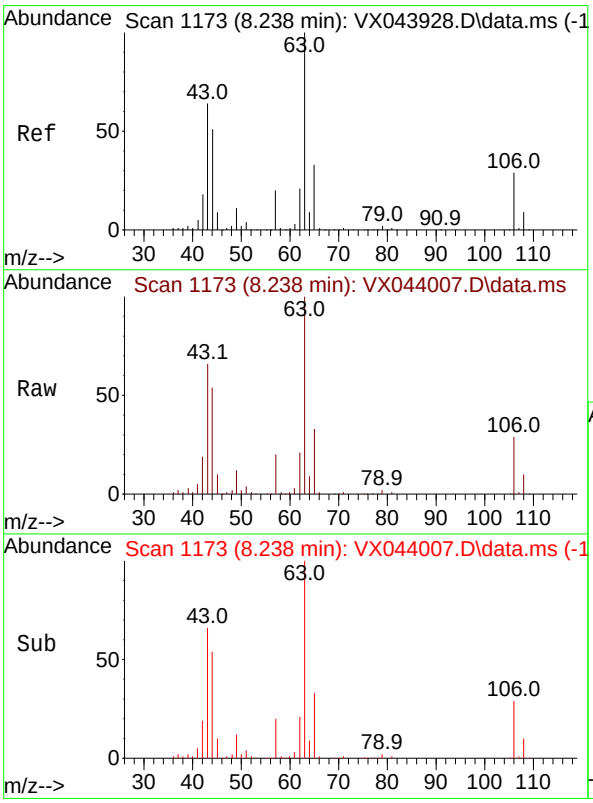
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

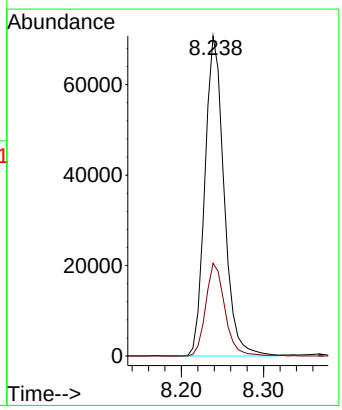
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

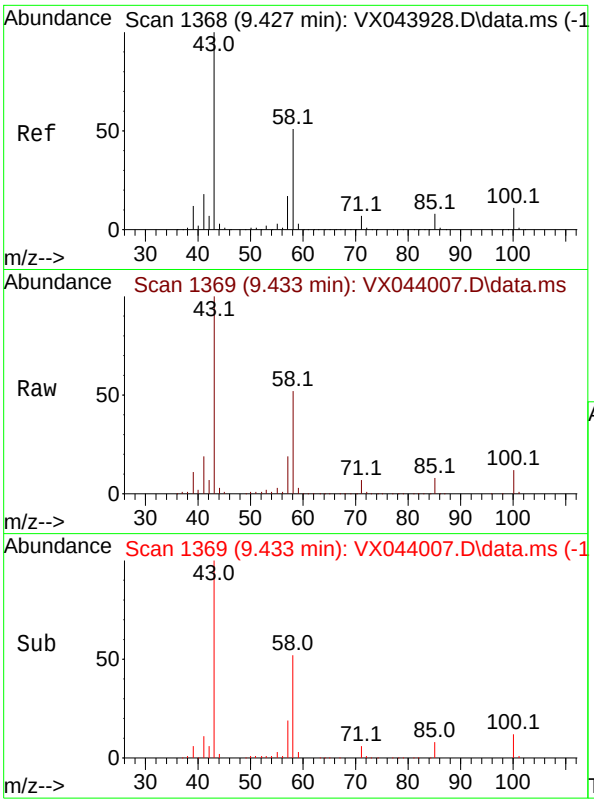


#58
2-Chloroethyl Vinyl ether
Concen: 84.828 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 63 Resp: 114449

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6

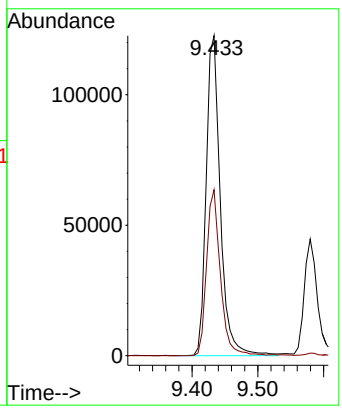




#59
2-Hexanone
Concen: 99.251 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 18329

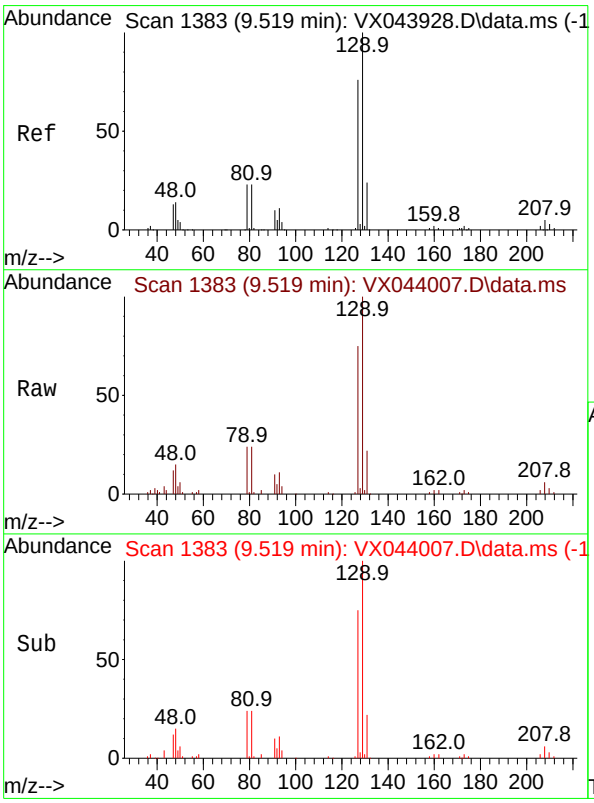
Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

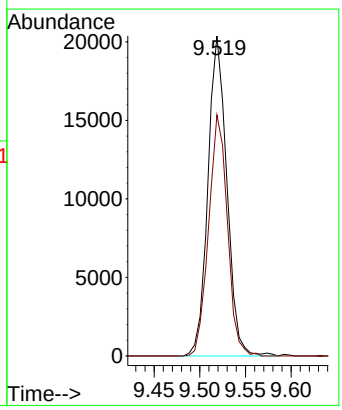
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

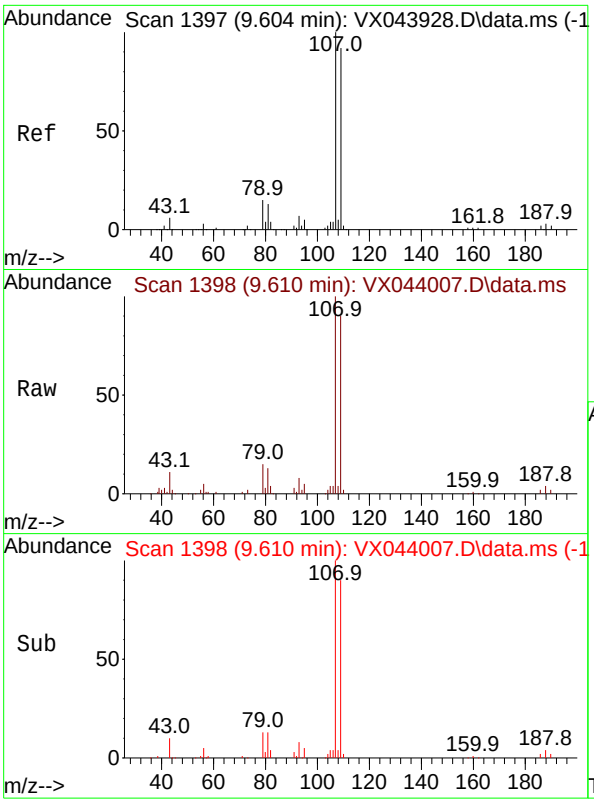


#60
Dibromochloromethane
Concen: 18.608 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:129 Resp: 29286

Ion	Ratio	Lower	Upper
129	100		
127	74.7	38.2	114.6

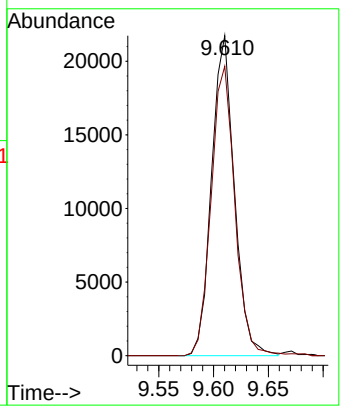




#61
1,2-Dibromoethane
Concen: 19.831 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:107 Resp: 3145

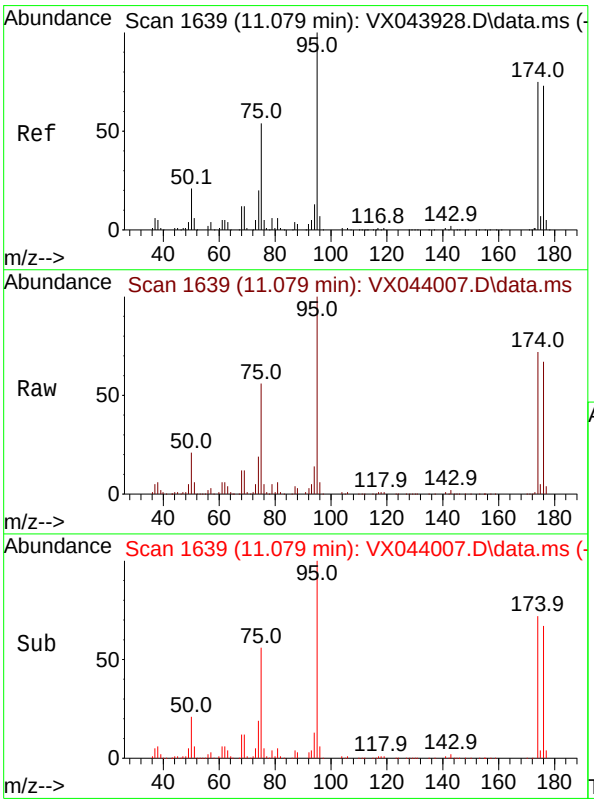
Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

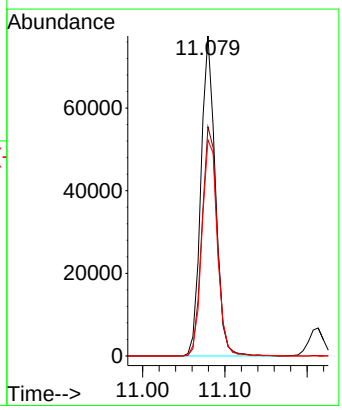
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

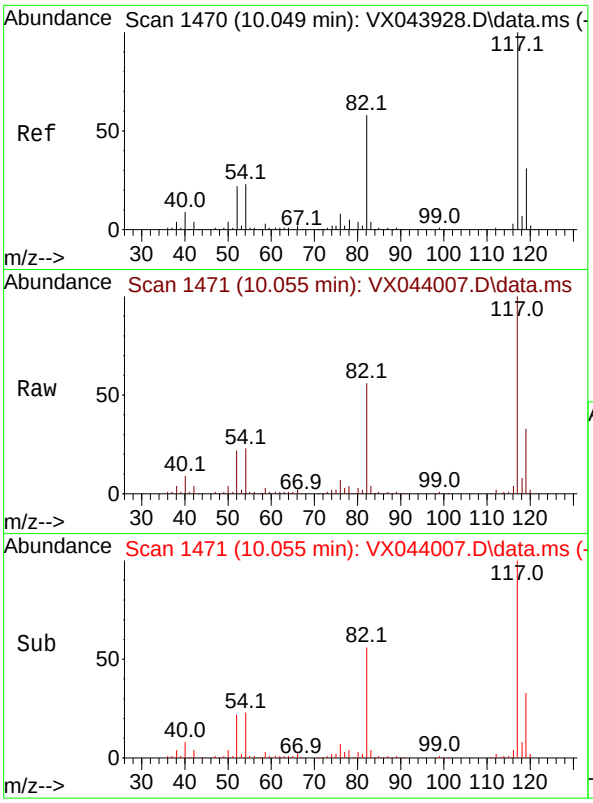


#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 95 Resp: 94239

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	72.4	0.0	146.0

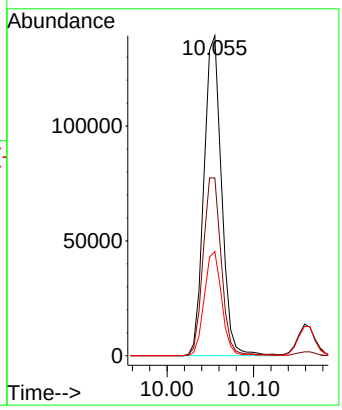




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:117 Resp: 19678

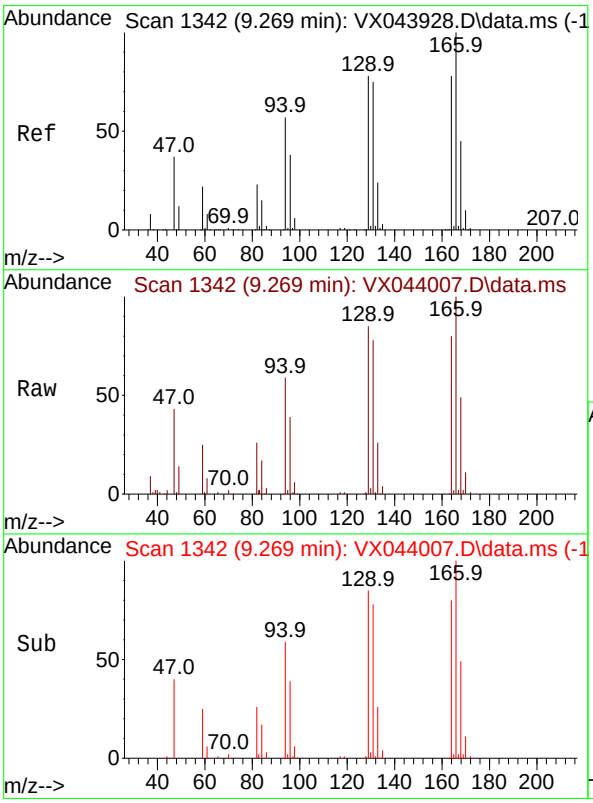
Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.4	69.6
119	32.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

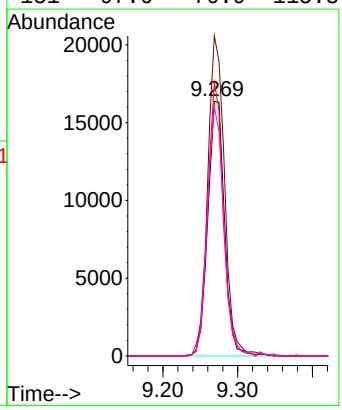
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

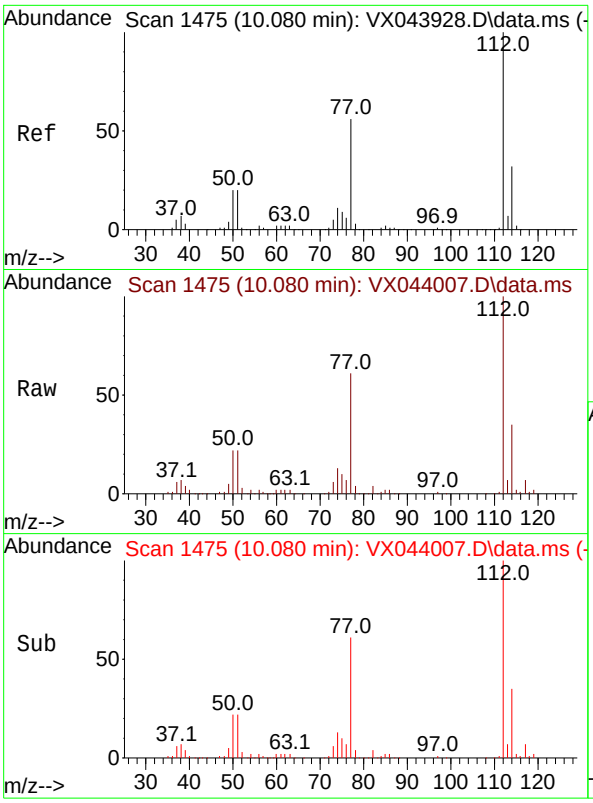


#64
Tetrachloroethene
Concen: 19.609 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:164 Resp: 25444

Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.1	153.1
129	107.4	79.6	119.4
131	97.6	76.9	115.3





#65
Chlorobenzene
Concen: 18.694 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

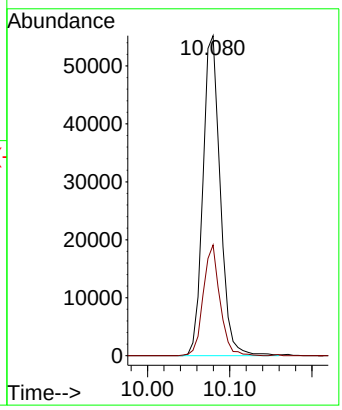
Tgt Ion:112 Resp: 8079

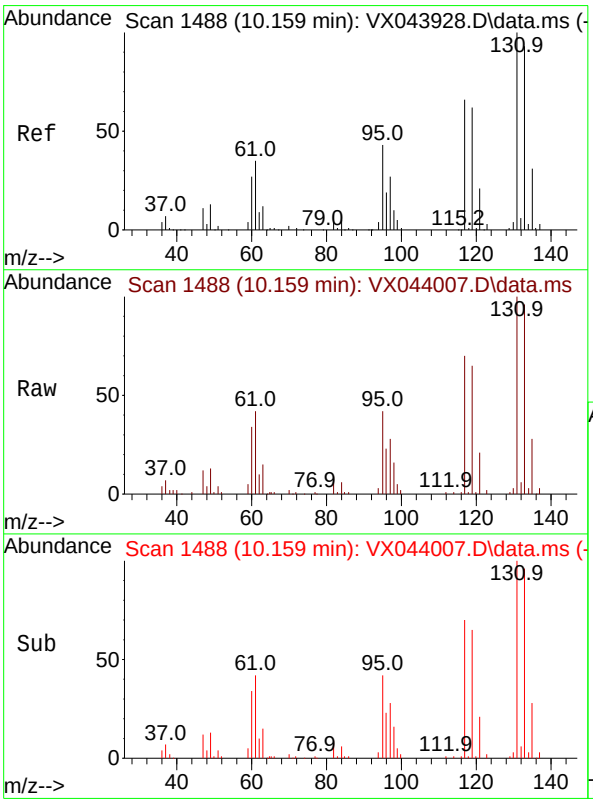
Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

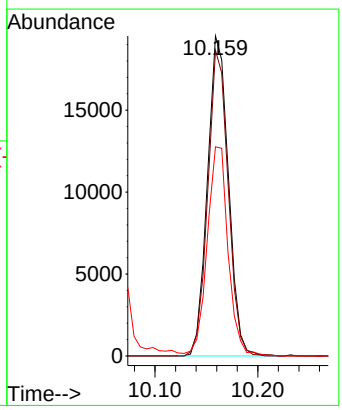


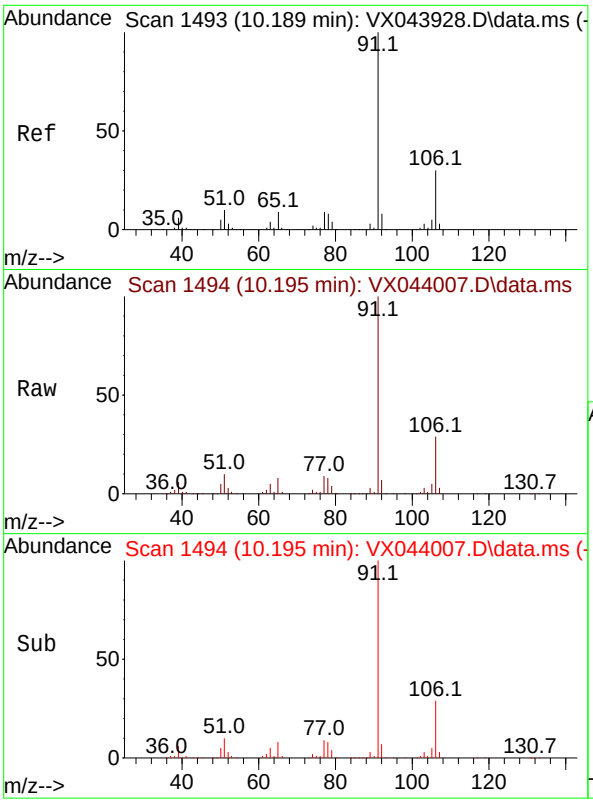


#66
1,1,1,2-Tetrachloroethane
Concen: 19.792 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:131 Resp: 27742

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.2	144.6
119	65.2	31.5	94.5





#67
Ethyl Benzene
Concen: 19.329 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

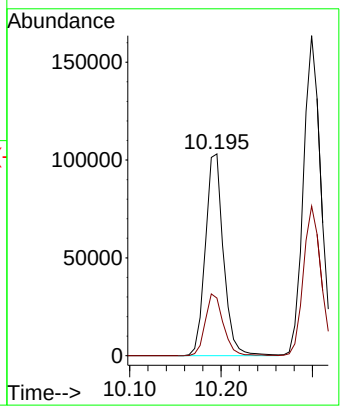
Tgt Ion: 91 Resp: 14155

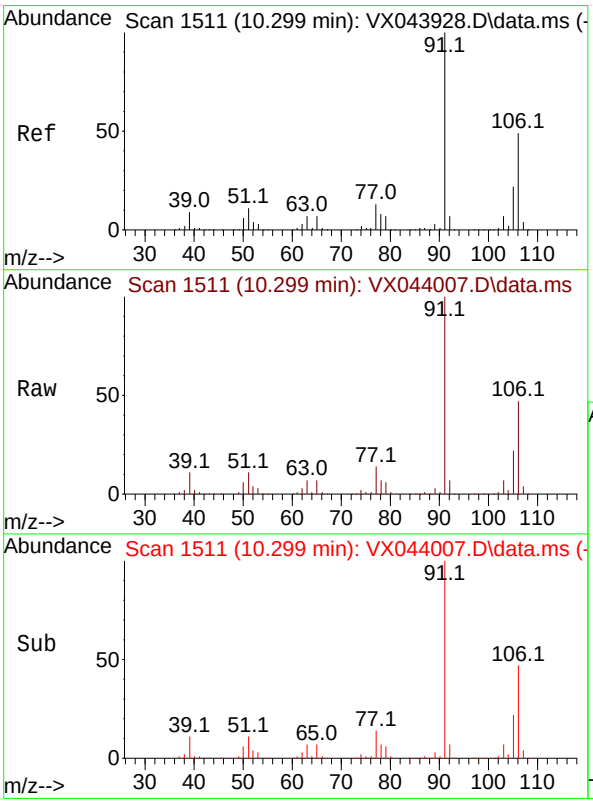
Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

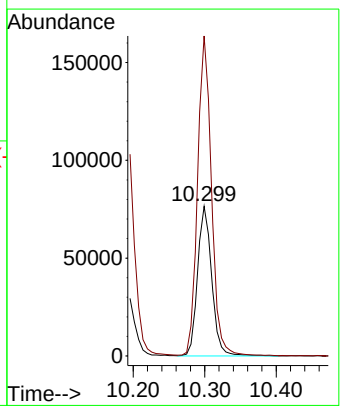


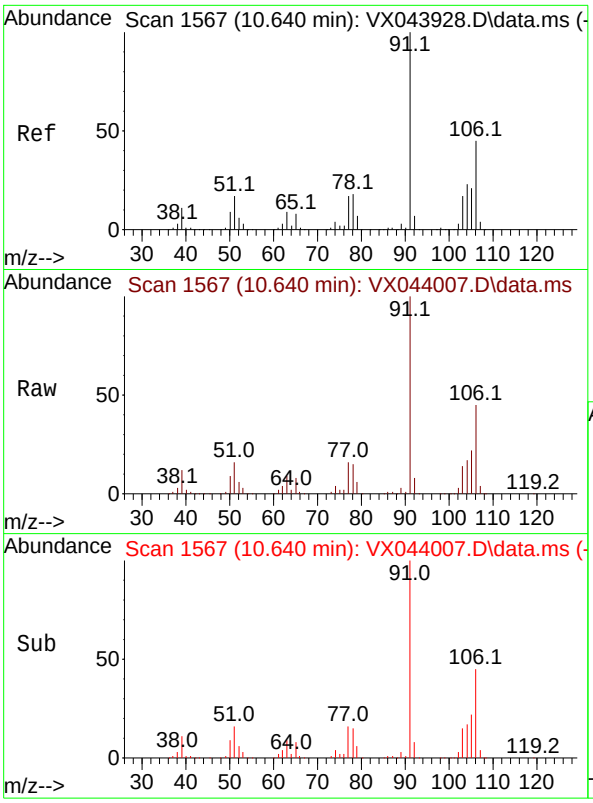


#68
m/p-Xylenes
Concen: 38.544 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:106 Resp: 105269

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.1	252.1

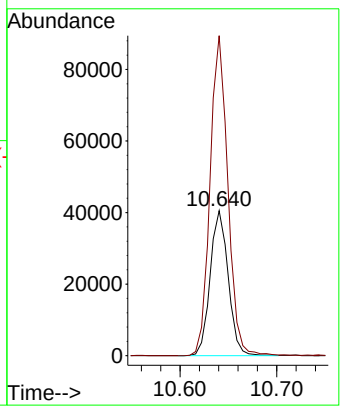




#69
o-Xylene
Concen: 19.737 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:106 Resp: 5263

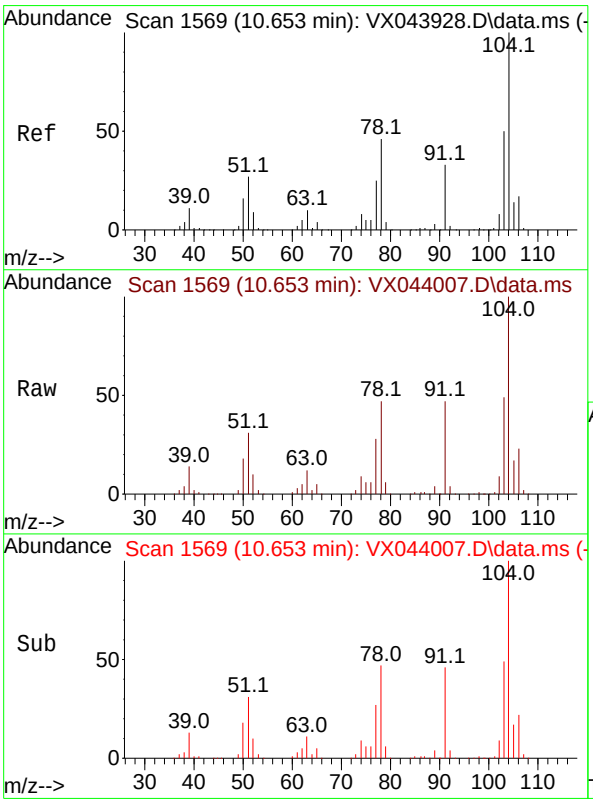
Ion	Ratio	Lower	Upper
106	100		
91	217.4	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

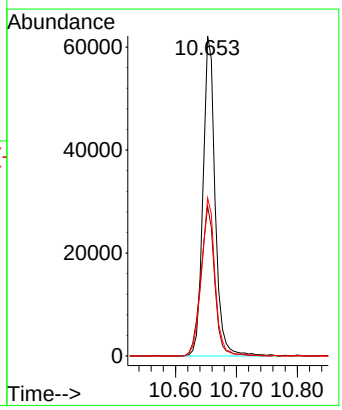
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

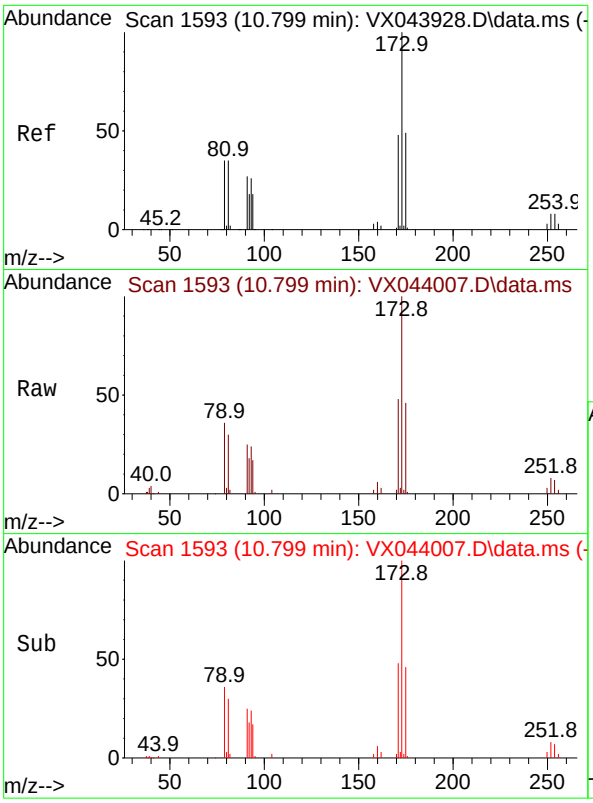


#70
Styrene
Concen: 19.581 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:104 Resp: 86358

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.2
103	55.1	44.7	67.1

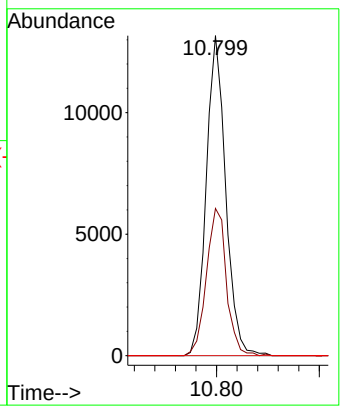




#71
Bromoform
Concen: 17.613 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:173 Resp: 1726

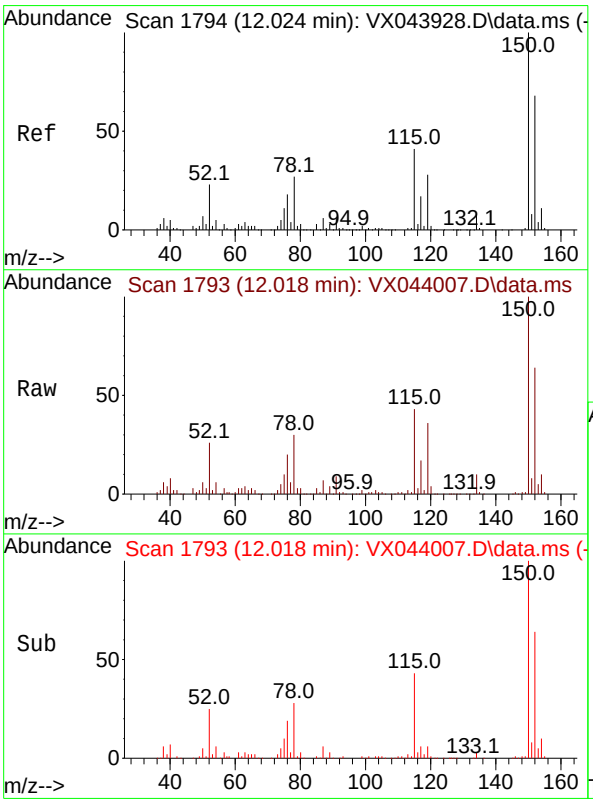
Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations APPROVED

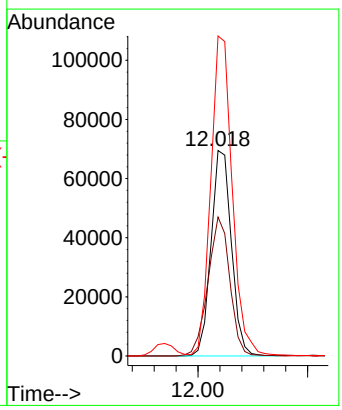
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

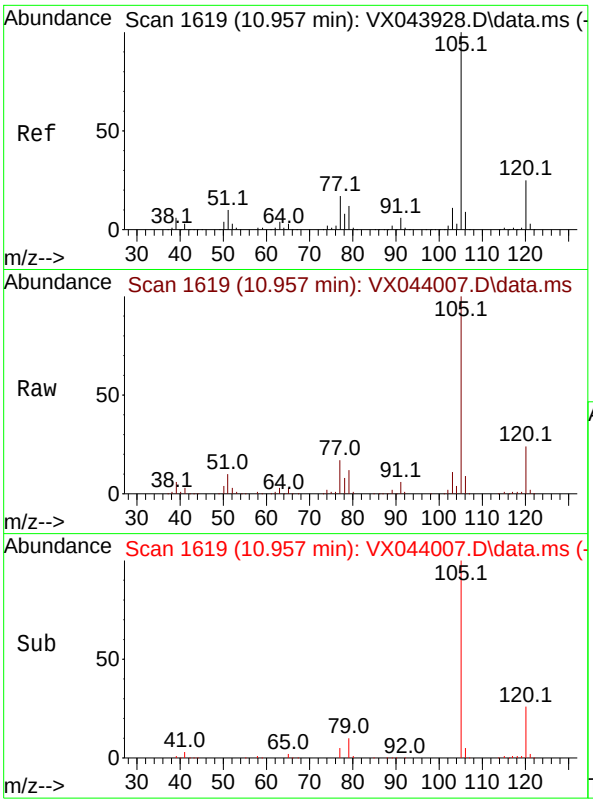


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:152 Resp: 89836

Ion	Ratio	Lower	Upper
152	100		
115	72.3	45.4	136.2
150	164.0	0.0	353.0

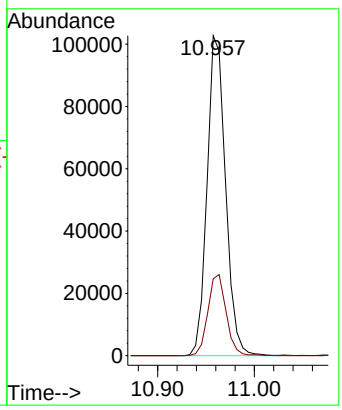




#73
Isopropylbenzene
Concen: 19.732 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:105 Resp: 13626

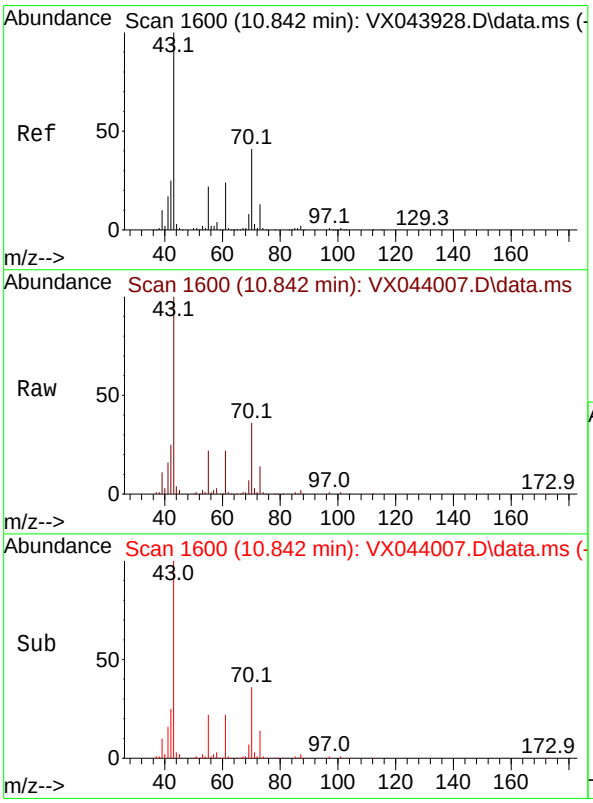
Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

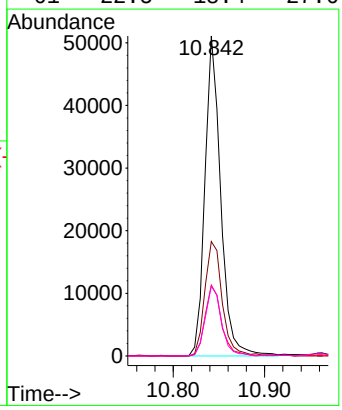
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

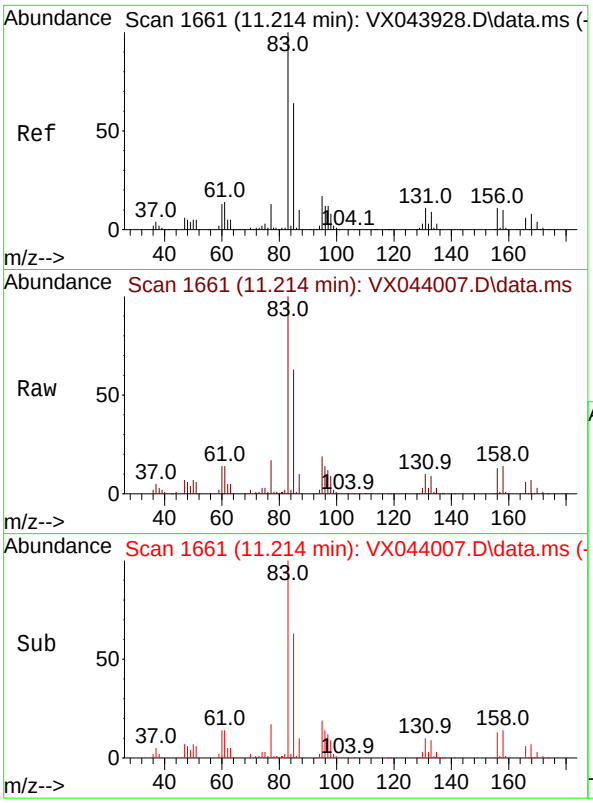


#74
N-amyl acetate
Concen: 19.157 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 61285

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.2	48.2
55	23.2	18.1	27.1
61	22.5	18.4	27.6

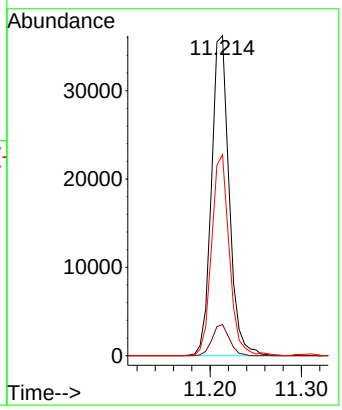




#75
1,1,2,2-Tetrachloroethane
Concen: 20.556 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 83 Resp: 4860

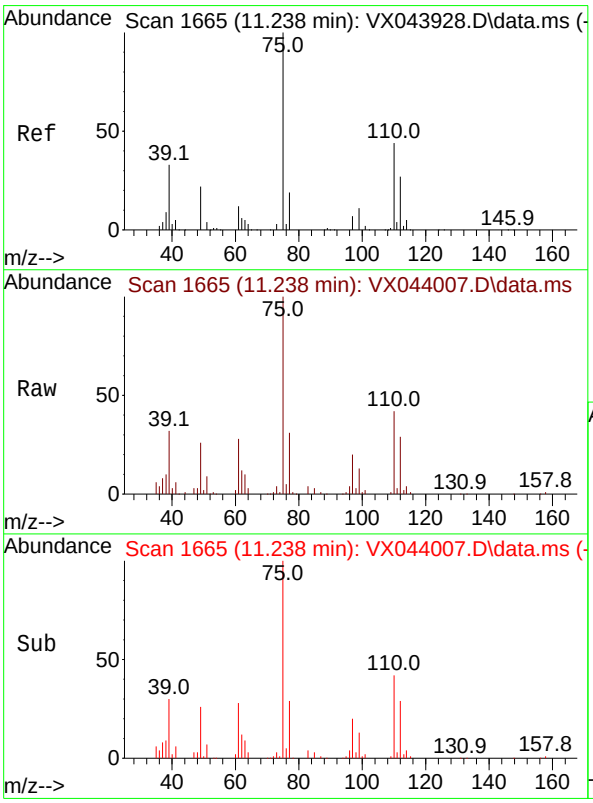
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.2
85	63.0	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

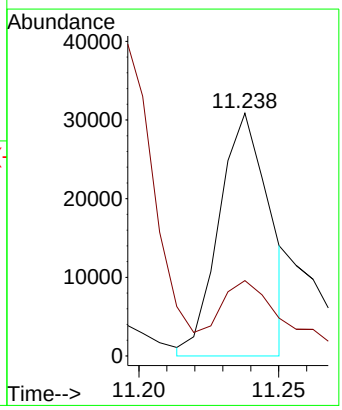
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

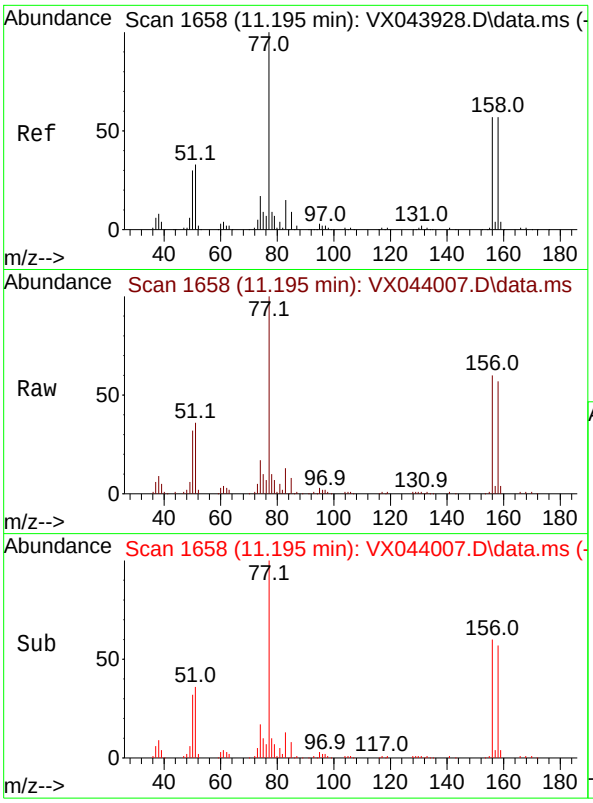


#76
1,2,3-Trichloropropane
Concen: 19.602 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 38617

Ion	Ratio	Lower	Upper
75	100		
77	41.1	21.8	65.3

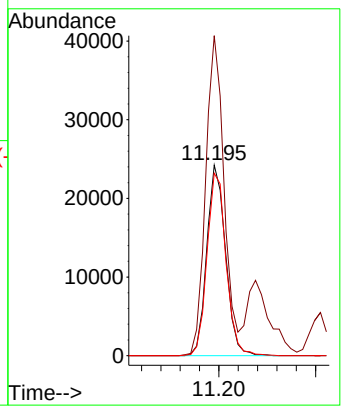




#77
Bromobenzene
Concen: 19.878 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:156 Resp: 3274

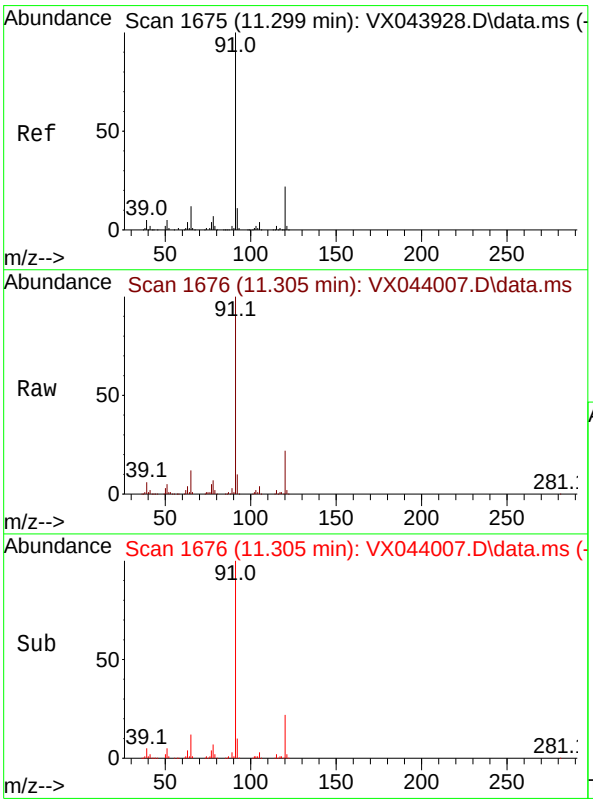
Ion	Ratio	Lower	Upper
156	100		
77	163.9	83.4	250.1
158	97.3	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

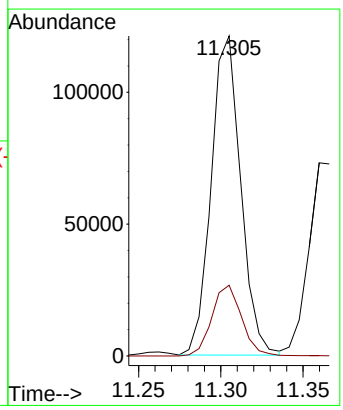
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

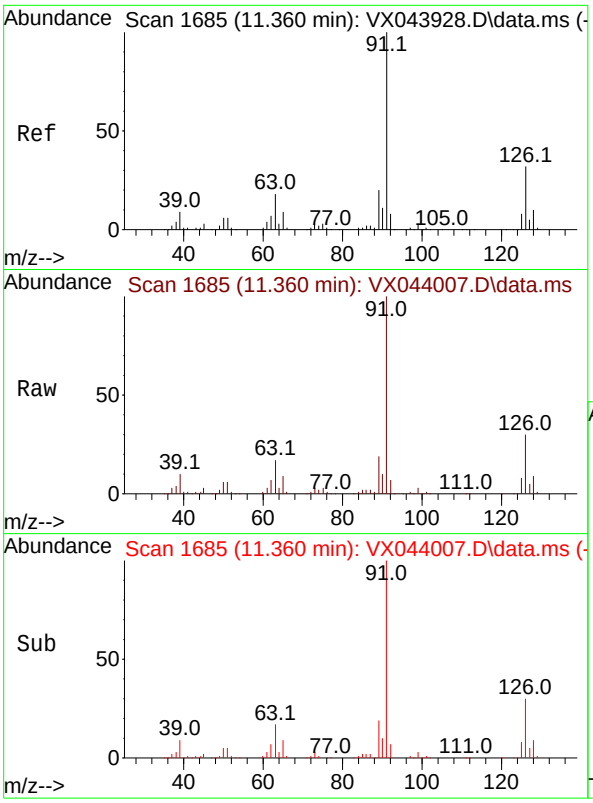


#78
n-propylbenzene
Concen: 19.648 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 151539

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4

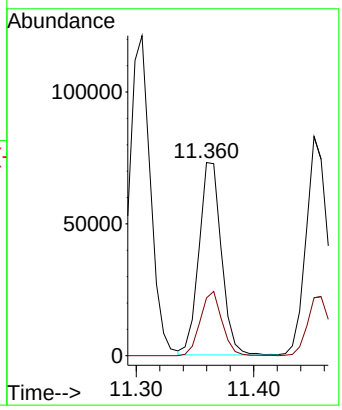




#79
2-Chlorotoluene
Concen: 19.894 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 9702

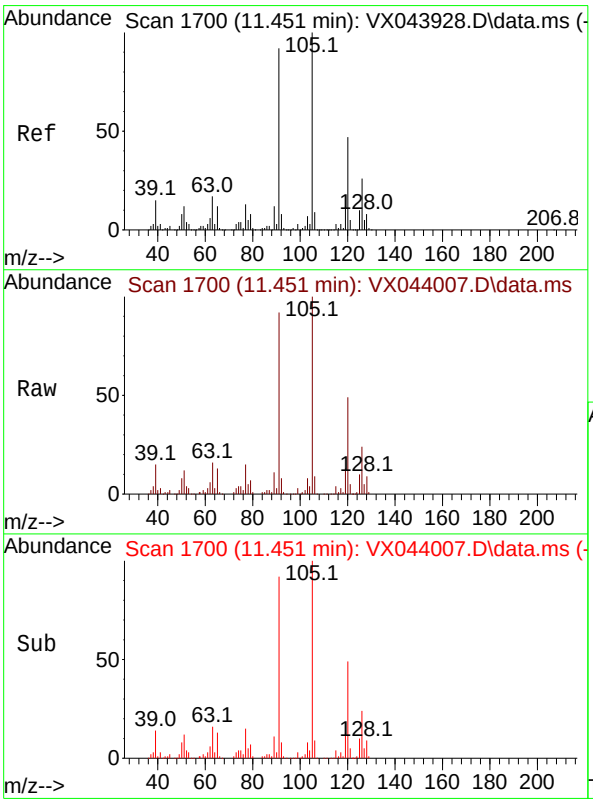
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

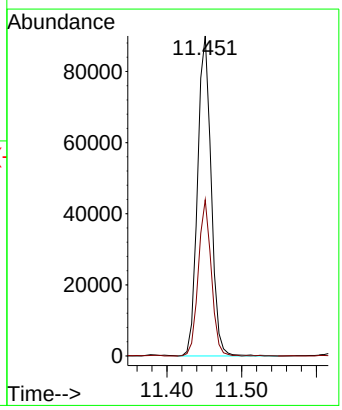
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

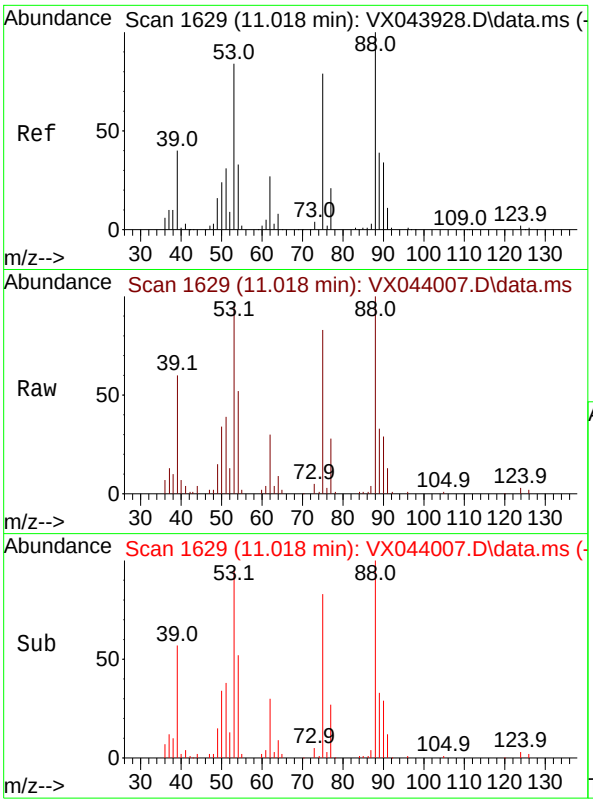


#80
1,3,5-Trimethylbenzene
Concen: 19.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:105 Resp: 113431

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8

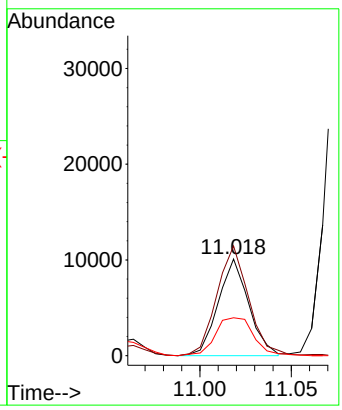




#81
trans-1,4-Dichloro-2-butene
Concen: 16.262 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 1174

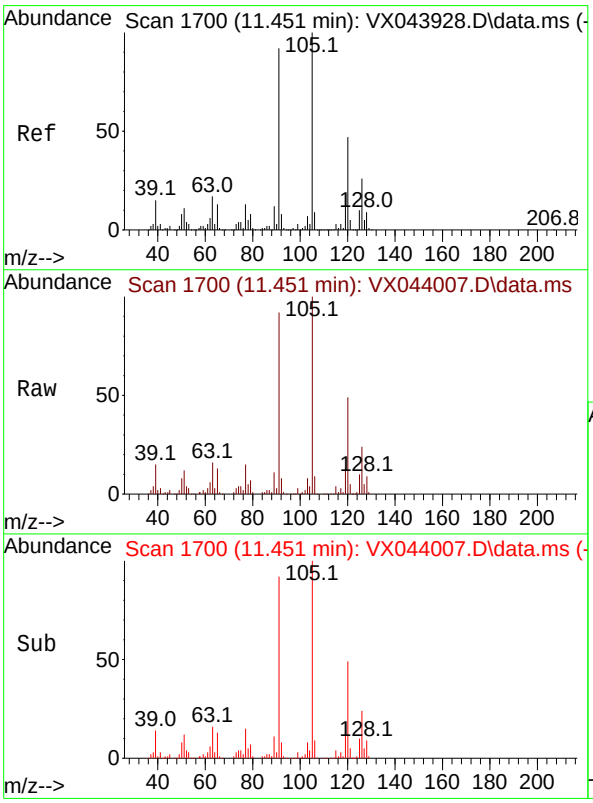
Ion	Ratio	Lower	Upper
75	100		
53	118.9	86.7	130.1
89	49.2	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

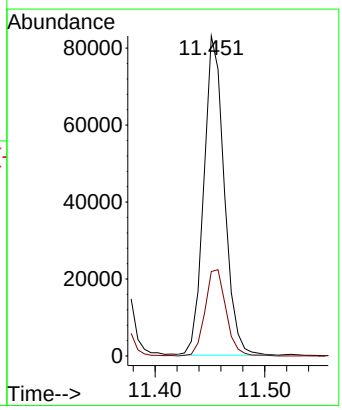
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

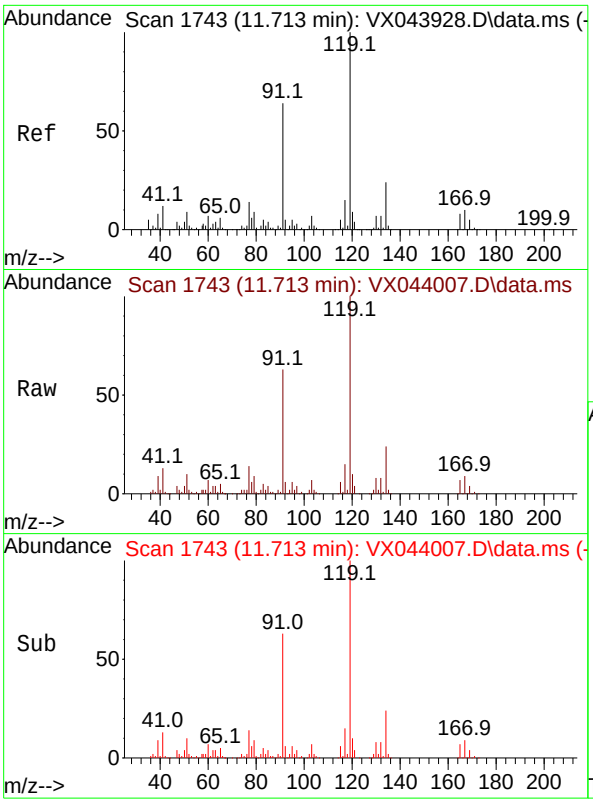


#82
4-Chlorotoluene
Concen: 19.470 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 107199

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.3	42.9

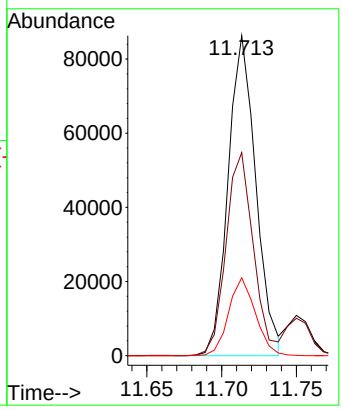




#83
tert-Butylbenzene
Concen: 19.789 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:119 Resp: 11143

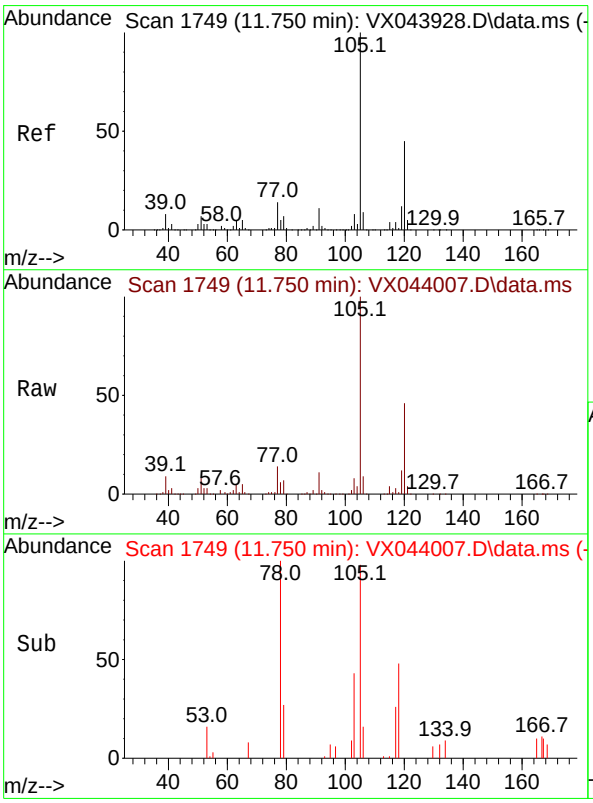
Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.0	93.0
134	23.6	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

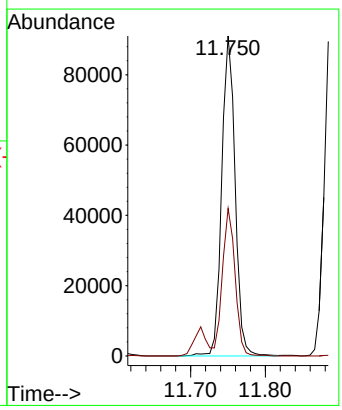
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

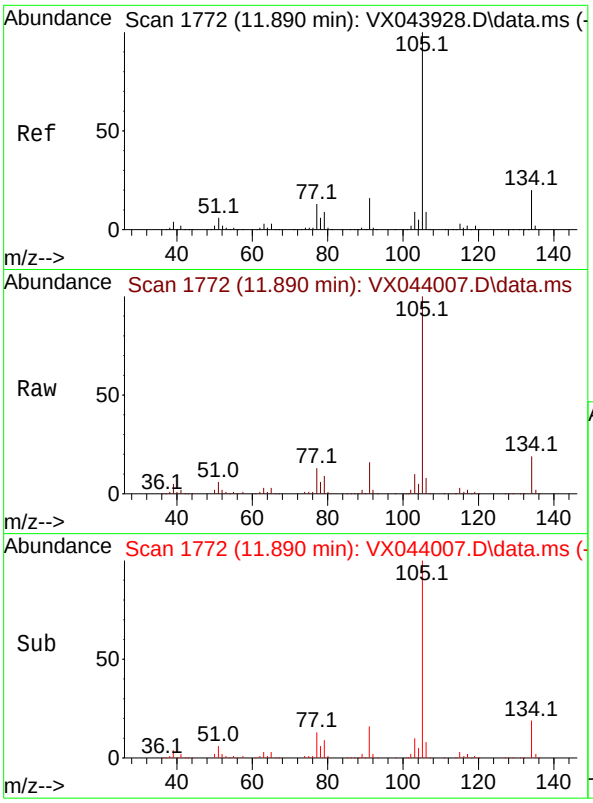


#84
1,2,4-Trimethylbenzene
Concen: 20.112 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:105 Resp: 113761

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7





#85
sec-Butylbenzene
Concen: 19.422 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

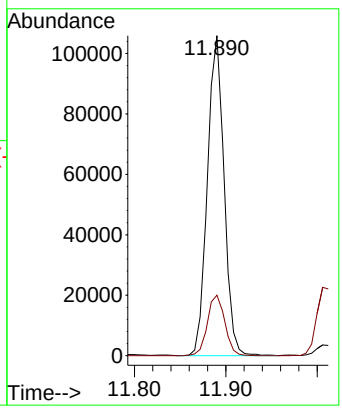
Tgt Ion:105 Resp: 13399

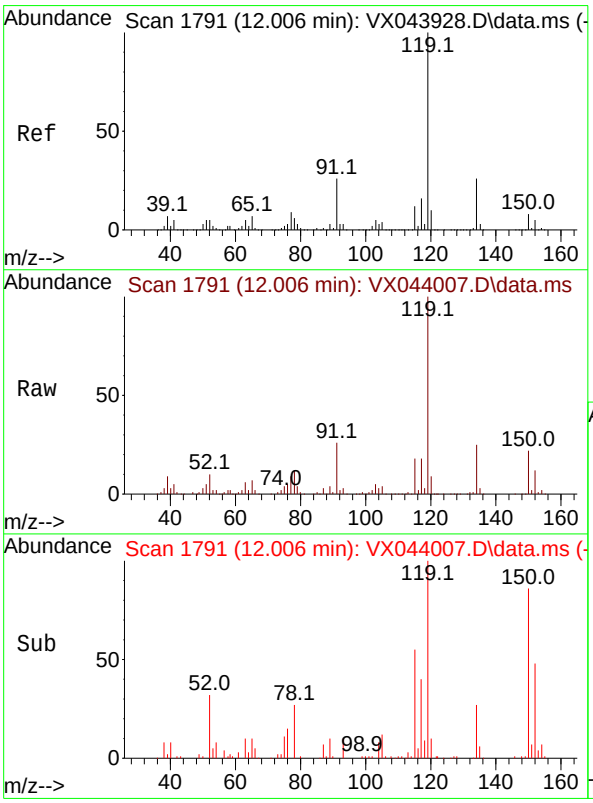
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

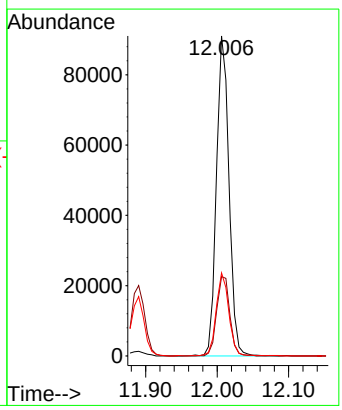


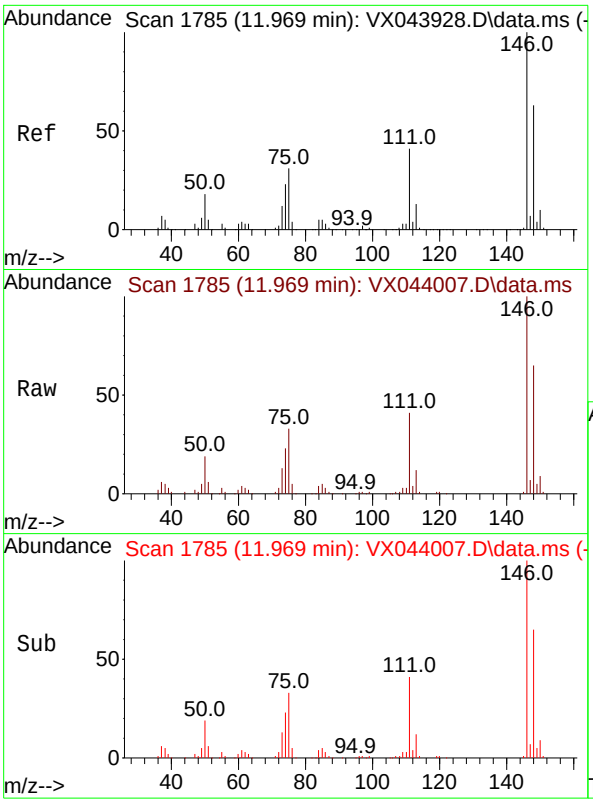


#86
p-Isopropyltoluene
Concen: 19.806 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:119 Resp: 110997

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	26.2	13.0	38.9

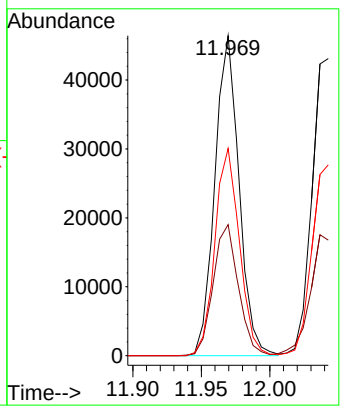




#87
1,3-Dichlorobenzene
Concen: 18.986 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:146 Resp: 5696

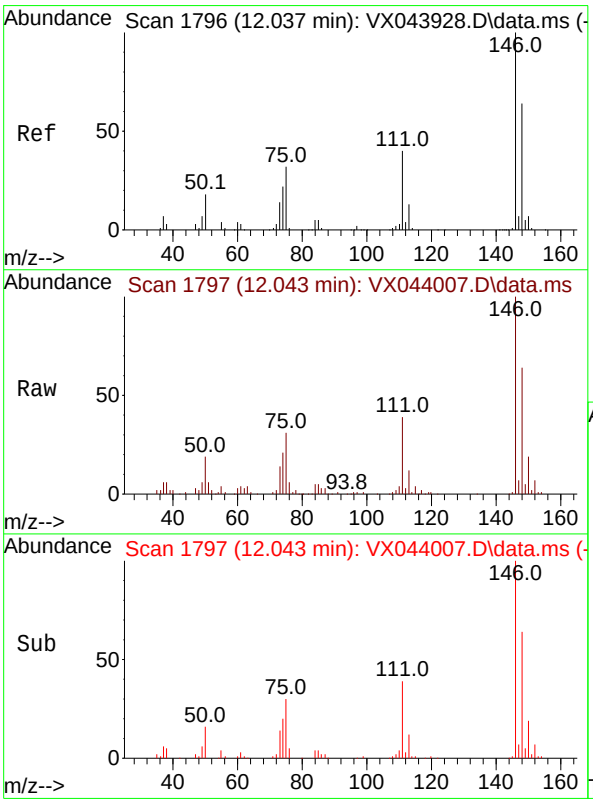
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	65.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

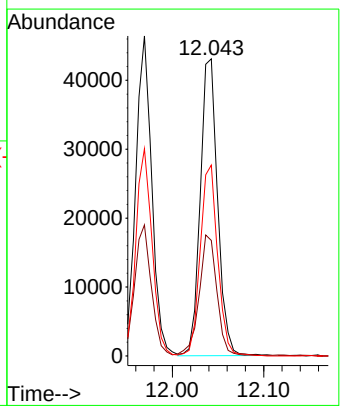
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

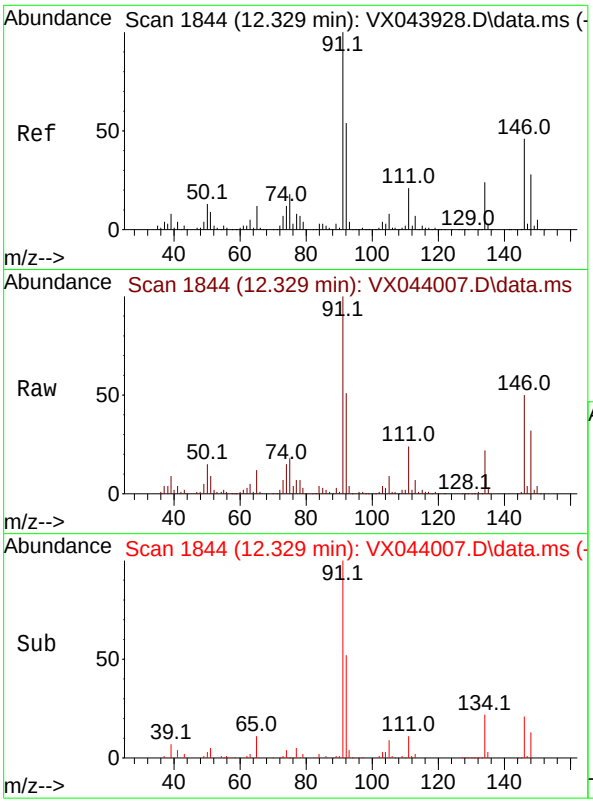


#88
1,4-Dichlorobenzene
Concen: 18.536 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:146 Resp: 56700

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	65.0	30.9	92.8

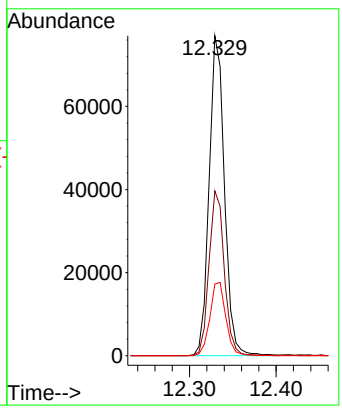




#89
n-Butylbenzene
Concen: 19.165 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 9469

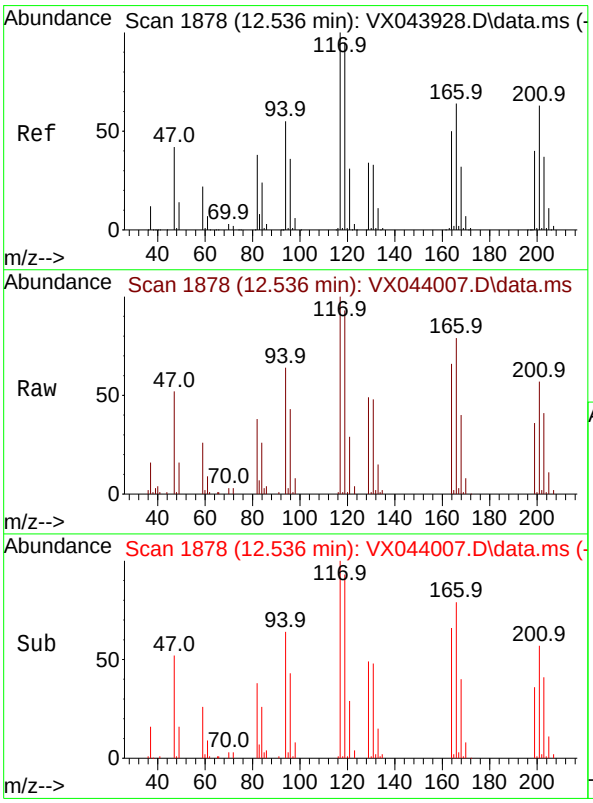
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.6	79.8
134	23.8	12.4	37.2



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

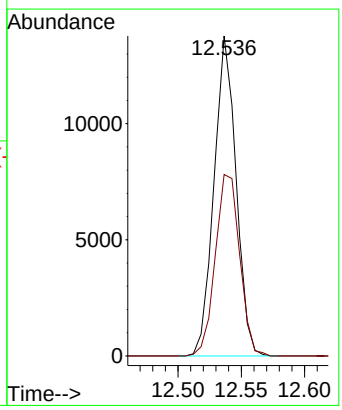
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

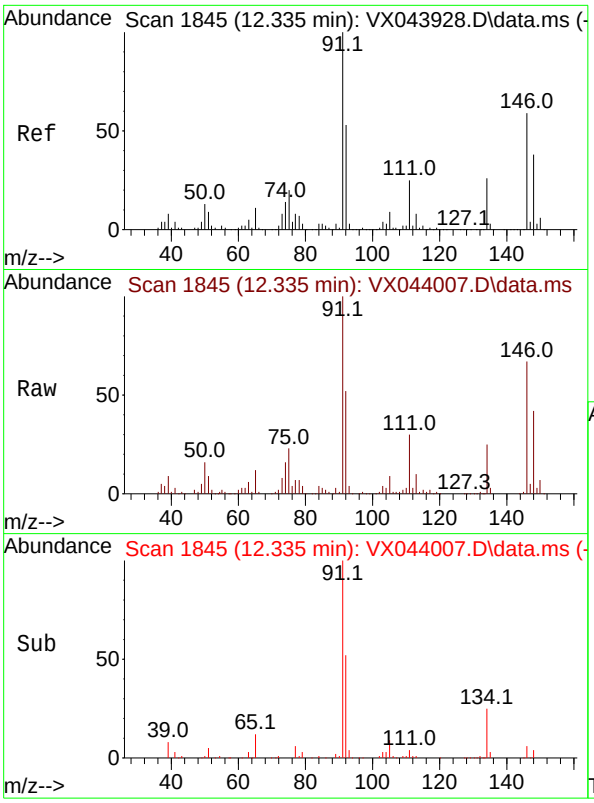


#90
Hexachloroethane
Concen: 17.501 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:117 Resp: 16678

Ion	Ratio	Lower	Upper
117	100		
201	62.7	32.4	97.0

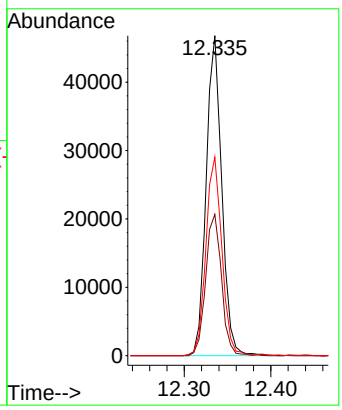




#91
1,2-Dichlorobenzene
Concen: 19.278 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:146 Resp: 5837

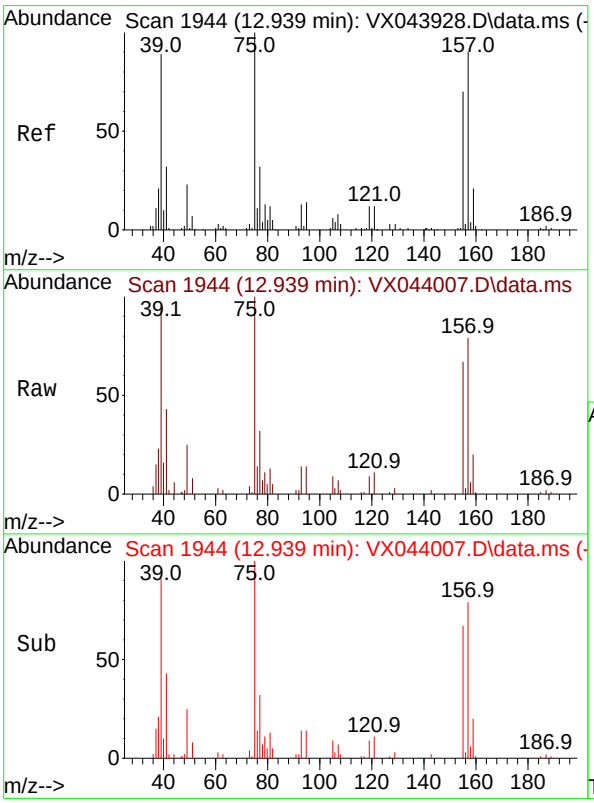
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.5	64.5
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

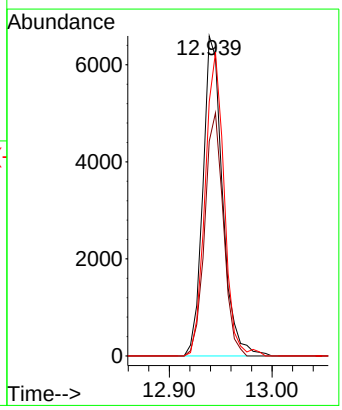
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

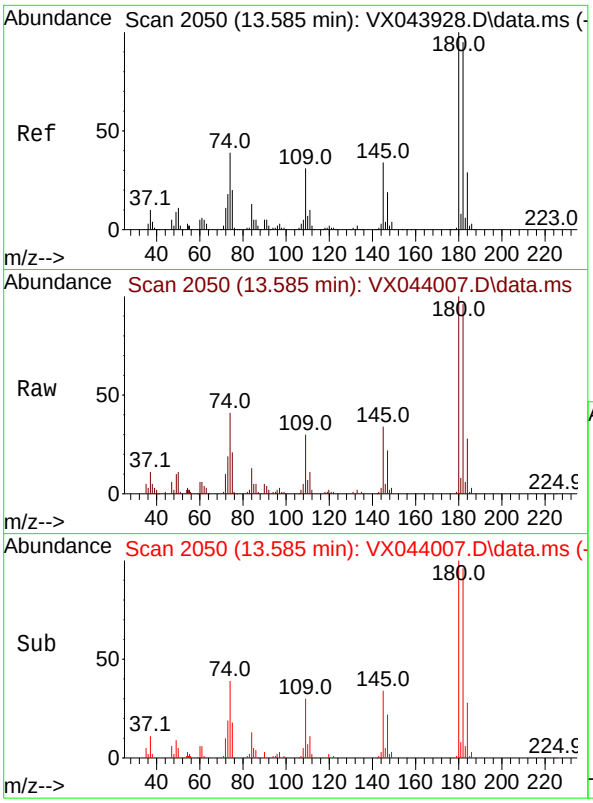


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.445 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 8739

Ion	Ratio	Lower	Upper
75	100		
155	72.4	40.1	120.2
157	92.3	49.6	149.0

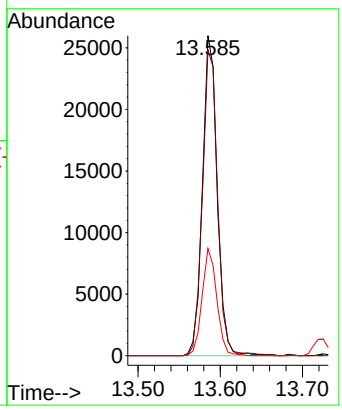




#93
1,2,4-Trichlorobenzene
Concen: 18.075 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:180 Resp: 3226

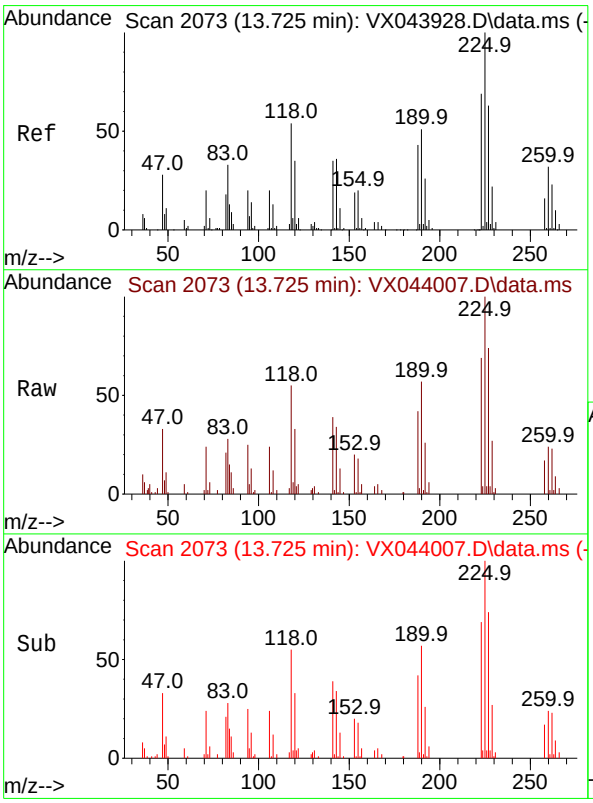
Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.0	144.2
145	33.5	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

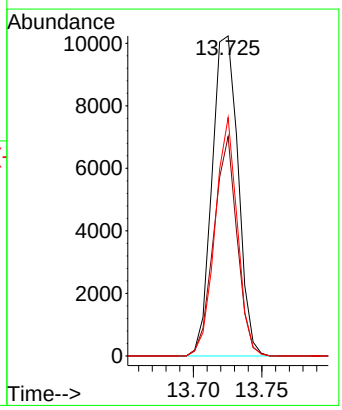
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024

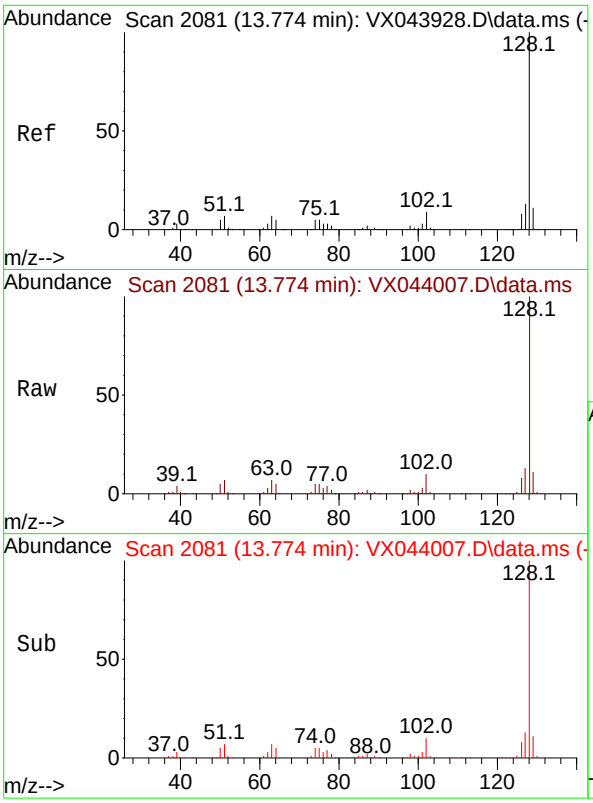


#94
Hexachlorobutadiene
Concen: 19.148 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:225 Resp: 13509

Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.9	98.6
227	63.9	31.6	94.8

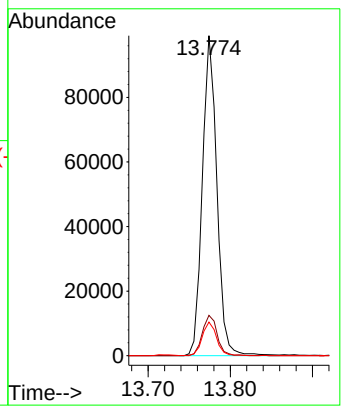




#95
Naphthalene
Concen: 18.917 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:128 Resp: 12156

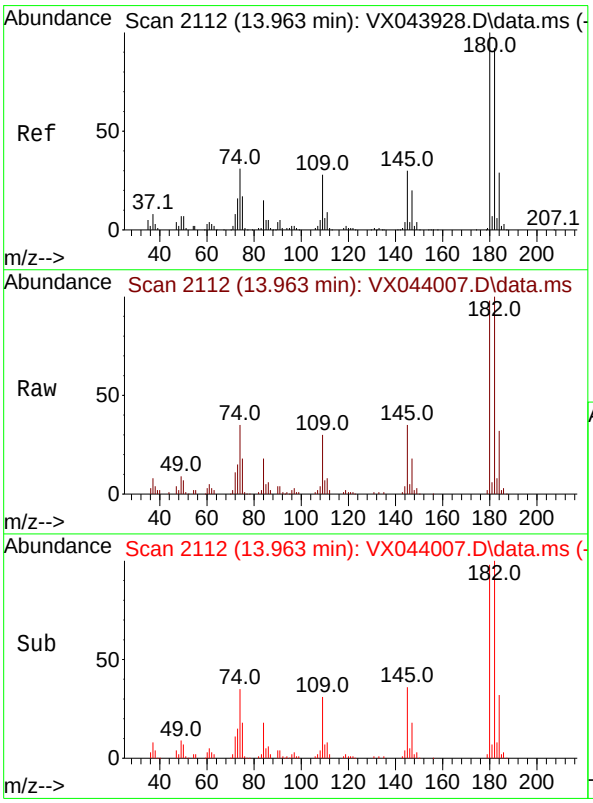
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.4	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Manual Integrations
APPROVED

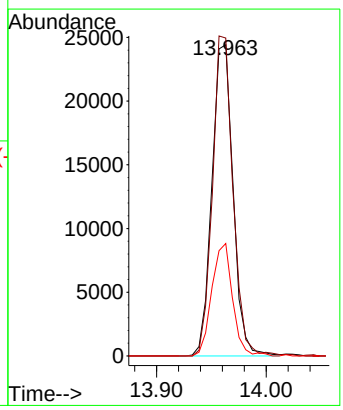
Reviewed By :Semsettin Yesilyurt 11/27/2024
Supervised By :Mahesh Dadoda 11/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 18.123 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:180 Resp: 32745

Ion	Ratio	Lower	Upper
180	100		
182	99.7	45.6	136.8
145	35.6	16.4	49.4



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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBSD01	SDG No.:	P4873
Lab Sample ID:	VX1122WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043954.D	1		11/22/24 13:02	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.1		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	20.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.4		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.8		0.34	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	19.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	100		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.5		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	20.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.4		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.8		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	21.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.5		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.7		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	21.4		0.18	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:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBSD01	SDG No.:	P4873
Lab Sample ID:	VX1122WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043954.D	1		11/22/24 13:02	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.3		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.9		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.5		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.9		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.7		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	196000	6.757				
3114-55-4	Chlorobenzene-d5	171000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79400	12.018				

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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	
Project:	Scotia, NY - Annual Testing	Date Received:	
Client Sample ID:	VX1122WBSD01	SDG No.:	P4873
Lab Sample ID:	VX1122WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043954.D	1		11/22/24 13:02	VX112224

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\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	109076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	195872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100196	53.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.120%			
35) Dibromofluoromethane	5.385	113	72137	51.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	8.647	98	250635	51.950	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	86479	52.669	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27785	20.108	ug/l	96
3) Chloromethane	1.294	50	29728	20.444	ug/l	96
4) Vinyl Chloride	1.374	62	31592	20.426	ug/l	97
5) Bromomethane	1.599	94	20295	21.330	ug/l	99
6) Chloroethane	1.666	64	21360	22.665	ug/l	94
7) Trichlorofluoromethane	1.867	101	60353	21.826	ug/l	100
8) Diethyl Ether	2.136	74	21147	20.982	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	27774	21.057	ug/l	98
10) Methyl Iodide	2.447	142	32944	19.998	ug/l	97
11) Tert butyl alcohol	2.995	59	29700	98.905	ug/l	98
12) 1,1-Dichloroethene	2.306	96	24194	19.249	ug/l	86
13) Acrolein	2.233	56	33008	104.286	ug/l	99
14) Allyl chloride	2.660	41	42147	20.522	ug/l	97
15) Acrylonitrile	3.062	53	79030	107.997	ug/l	98
16) Acetone	2.386	43	86367	100.513	ug/l	98
17) Carbon Disulfide	2.501	76	43889	16.929	ug/l	98
18) Methyl Acetate	2.703	43	43057	21.518	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	98693	21.626	ug/l	100
20) Methylene Chloride	2.782	84	29543	20.260	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	26401	20.345	ug/l	95
22) Diisopropyl ether	3.763	45	94170	21.444	ug/l	98
23) Vinyl Acetate	3.721	43	408506	108.742	ug/l	99
24) 1,1-Dichloroethane	3.599	63	52345	20.662	ug/l	99
25) 2-Butanone	4.562	43	119728	107.988	ug/l	96
26) 2,2-Dichloropropane	4.465	77	46118	20.157	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	32647	20.353	ug/l	99
28) Bromochloromethane	4.891	49	22133	19.848	ug/l	99
29) Tetrahydrofuran	5.001	42	74565	109.701	ug/l	99
30) Chloroform	5.086	83	58065	21.310	ug/l	97
31) Cyclohexane	5.458	56	43641	20.930	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	48619	20.691	ug/l	99
36) 1,1-Dichloropropene	5.684	75	35764	20.506	ug/l	99
37) Ethyl Acetate	4.714	43	47085	21.749	ug/l	99
38) Carbon Tetrachloride	5.665	117	39037	19.920	ug/l	99
39) Methylcyclohexane	7.373	83	46390	20.474	ug/l	92
40) Benzene	6.031	78	112619	20.730	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	22859	20.630 ug/l #	94
42) 1,2-Dichloroethane	6.080	62	46195	21.172 ug/l	97
43) Isopropyl Acetate	6.342	43	74632	21.661 ug/l	99
44) Trichloroethene	7.123	130	26781	17.414 ug/l	90
45) 1,2-Dichloropropane	7.427	63	28429	21.366 ug/l	93
46) Dibromomethane	7.580	93	22603	21.475 ug/l	96
47) Bromodichloromethane	7.818	83	38744	20.524 ug/l	96
48) Methyl methacrylate	7.696	41	34130	20.644 ug/l	99
49) 1,4-Dioxane	7.665	88	10534	357.698 ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	236829	112.638 ug/l	98
52) Toluene	8.714	92	69441	21.356 ug/l	96
53) t-1,3-Dichloropropene	8.976	75	39050	20.285 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	43430	20.580 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27781	20.697 ug/l	95
56) Ethyl methacrylate	9.116	69	44109	21.098 ug/l	98
57) 1,3-Dichloropropane	9.305	76	49838	22.042 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	112089	97.143 ug/l	97
59) 2-Hexanone	9.433	43	174736	110.568 ug/l	99
60) Dibromochloromethane	9.518	129	25683	19.071 ug/l	95
61) 1,2-Dibromoethane	9.610	107	29772	21.936 ug/l	98
64) Tetrachloroethene	9.269	164	23366	20.722 ug/l	98
65) Chlorobenzene	10.079	112	74928	19.949 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	24536	20.143 ug/l	96
67) Ethyl Benzene	10.189	91	130020	20.429 ug/l	100
68) m/p-Xylenes	10.299	106	97028	40.881 ug/l	99
69) o-Xylene	10.640	106	48479	20.920 ug/l	99
70) Styrene	10.652	104	78583	20.503 ug/l	98
71) Bromoform	10.799	173	14931	17.533 ug/l #	95
73) Isopropylbenzene	10.963	105	125832	20.617 ug/l	99
74) N-amyl acetate	10.841	43	58504	20.692 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	45786	21.909 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	37193m	21.361 ug/l	
77) Bromobenzene	11.195	156	29411	20.201 ug/l	99
78) n-propylbenzene	11.305	91	141102	20.700 ug/l	100
79) 2-Chlorotoluene	11.360	91	92095	21.366 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	105010	20.914 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10352	16.224 ug/l #	78
82) 4-Chlorotoluene	11.451	91	102553	21.075 ug/l	99
83) tert-Butylbenzene	11.713	119	104939	21.086 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	107681	21.541 ug/l	99
85) sec-Butylbenzene	11.890	105	124001	20.336 ug/l	100
86) p-Isopropyltoluene	12.006	119	105513	21.303 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	53195	20.061 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	54275	20.076 ug/l	97
89) n-Butylbenzene	12.329	91	89016	20.384 ug/l	99
90) Hexachloroethane	12.536	117	15072	17.895 ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	55361	20.688 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8390	20.036 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	29761	18.864 ug/l	99
94) Hexachlorobutadiene	13.725	225	11821	18.958 ug/l	97
95) Naphthalene	13.774	128	117216	20.640 ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	30581	19.151 ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

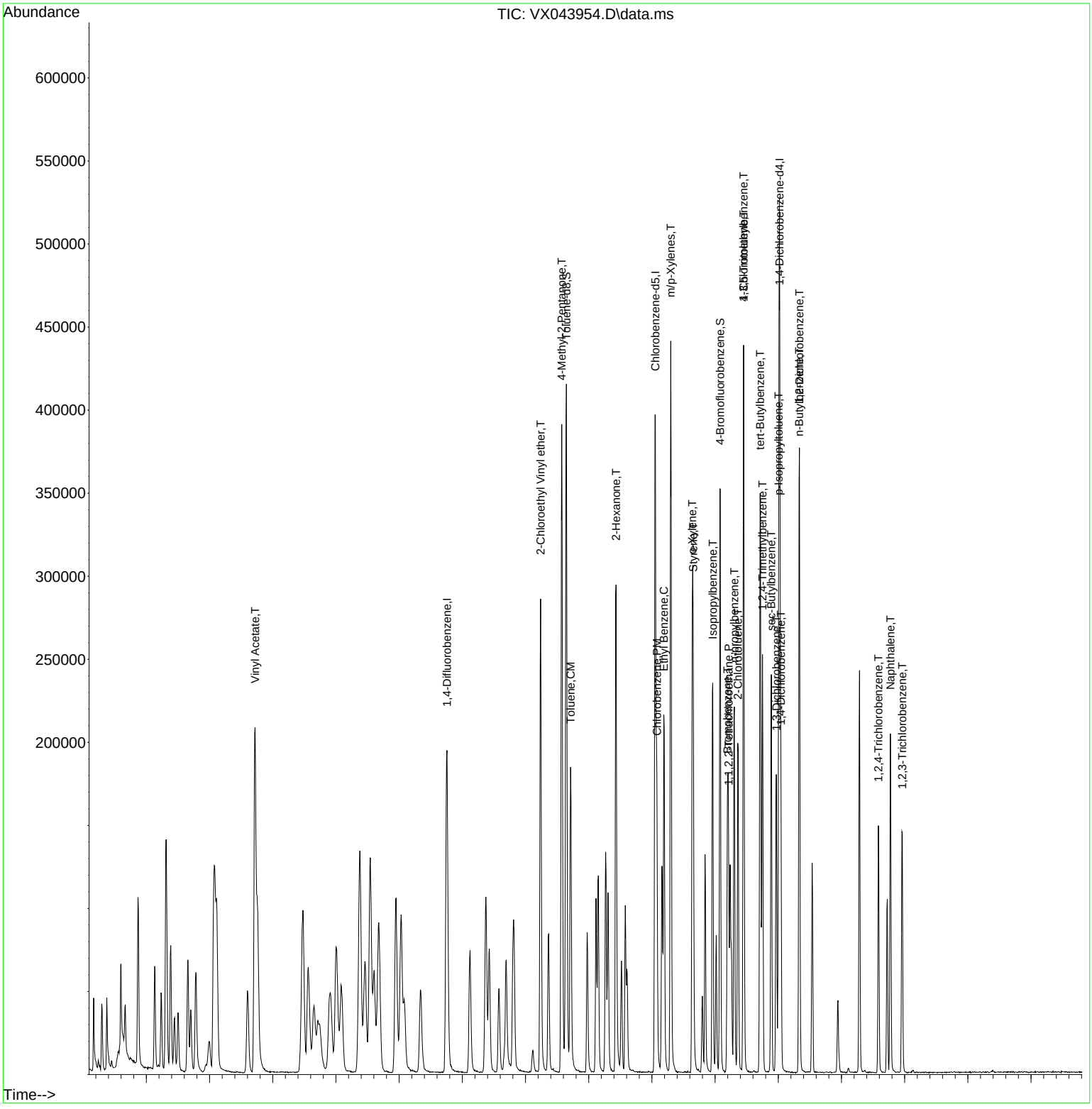
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

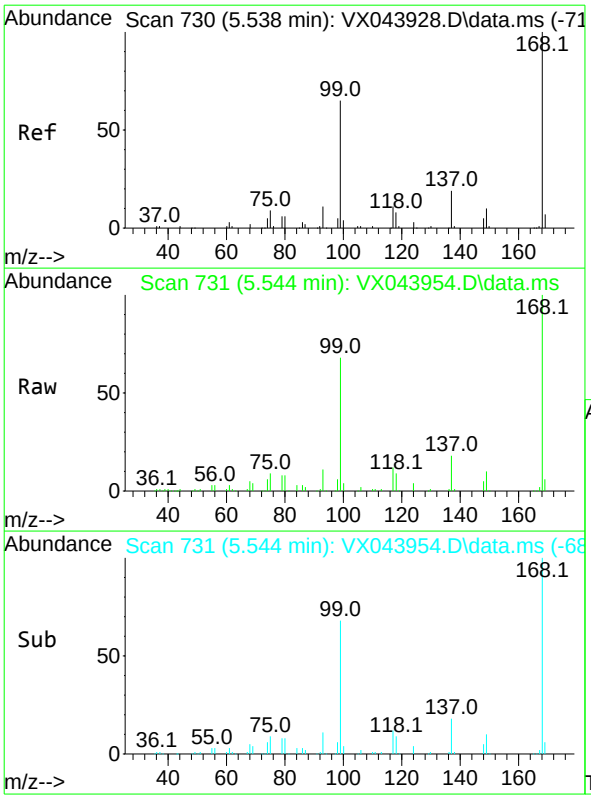
Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

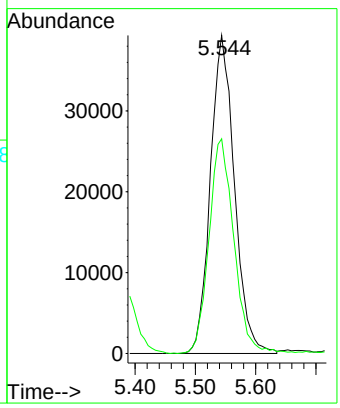




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:168 Resp: 109076

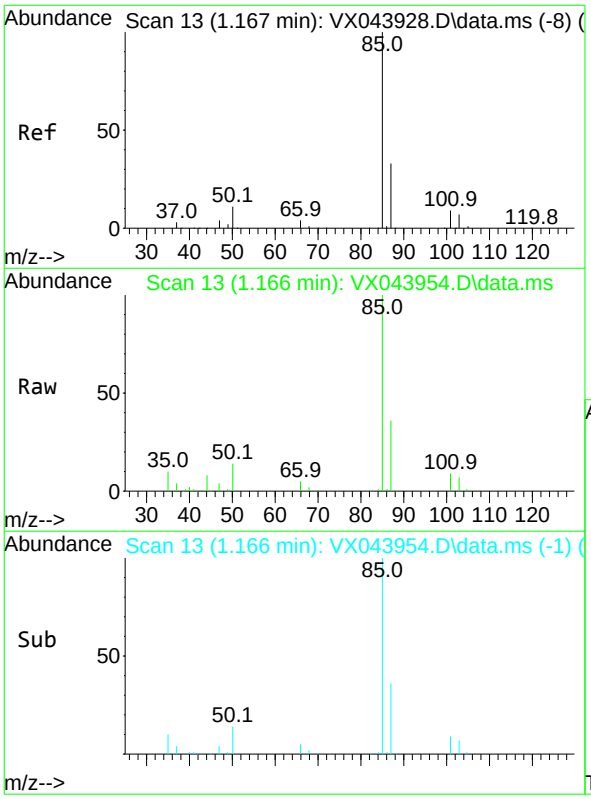
Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

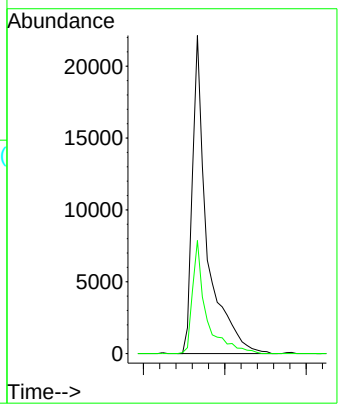
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

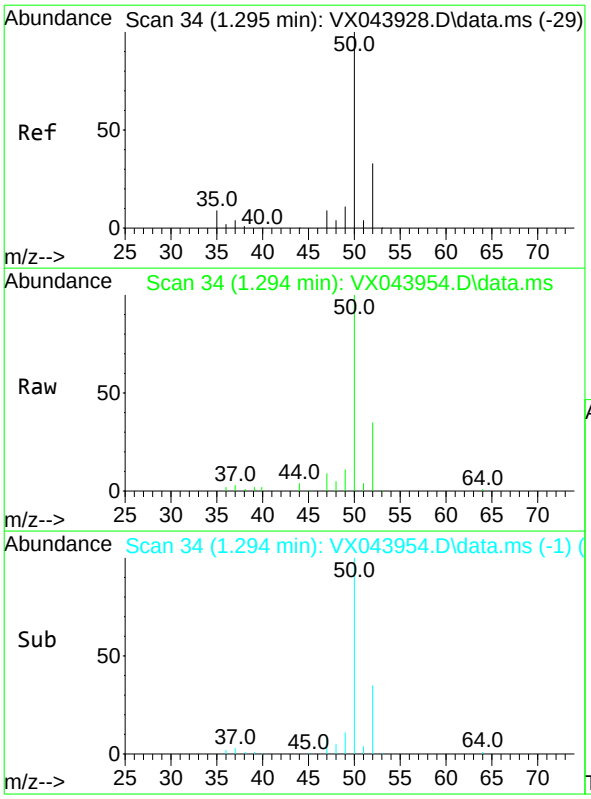


#2
Dichlorodifluoromethane
Concen: 20.108 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 85 Resp: 27785

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.6	49.8

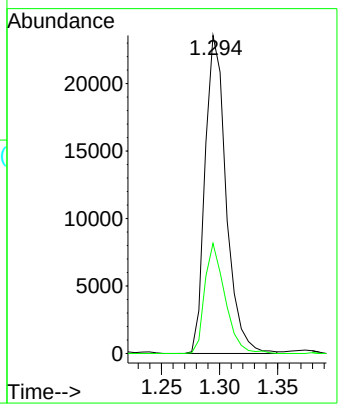




#3
Chloromethane
Concen: 20.444 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 50 Resp: 29728

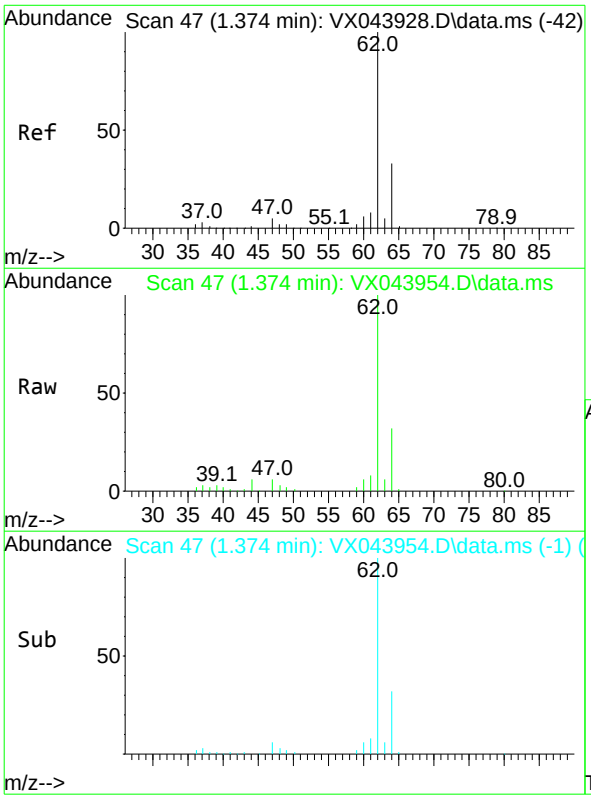
Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

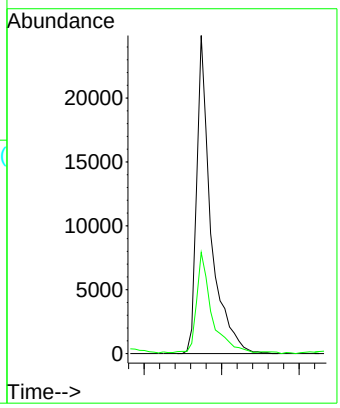
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

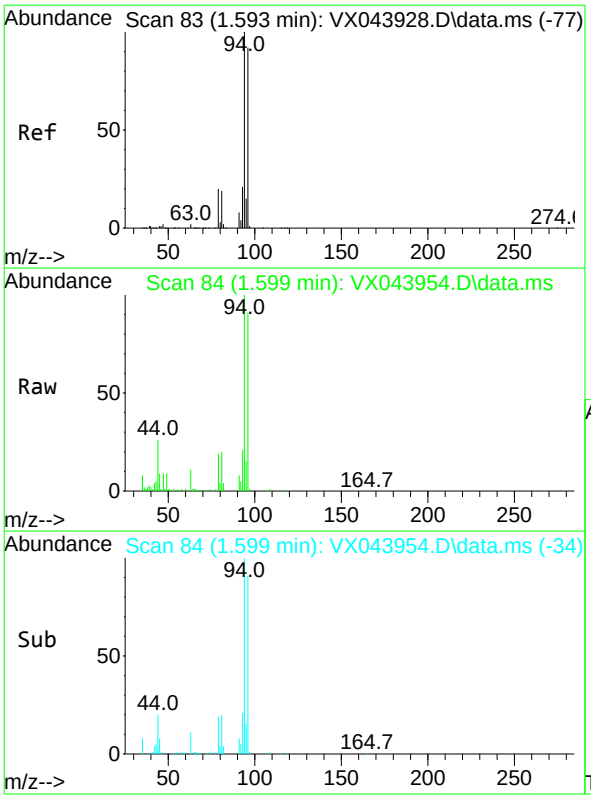


#4
Vinyl Chloride
Concen: 20.426 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 62 Resp: 31592

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.2	39.4

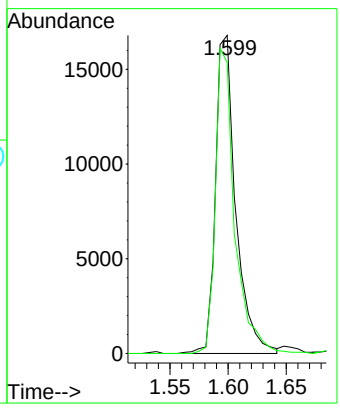




#5
Bromomethane
Concen: 21.330 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 94 Resp: 20295

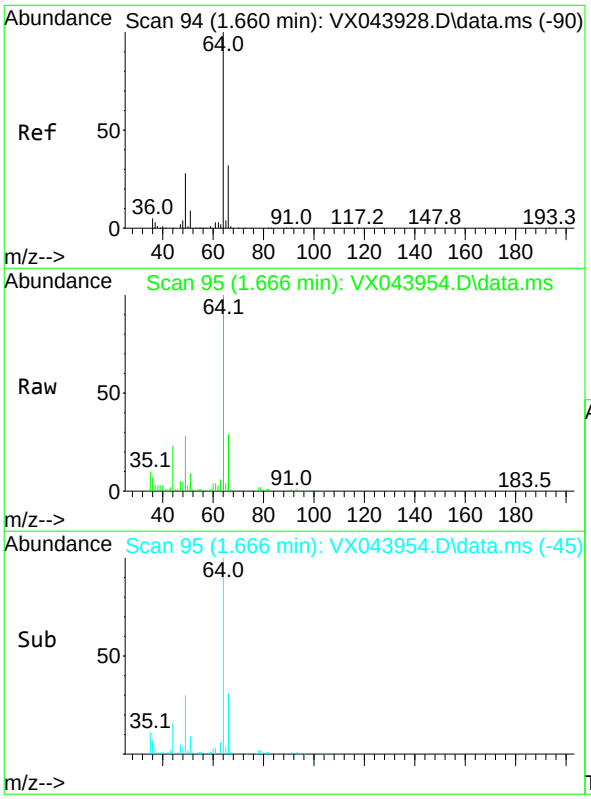
Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.9	110.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

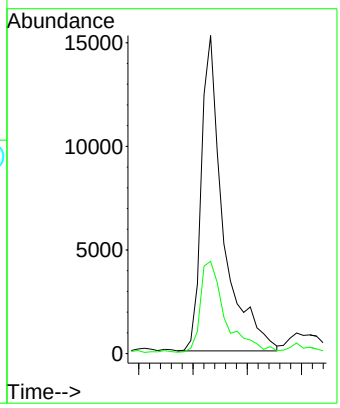
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

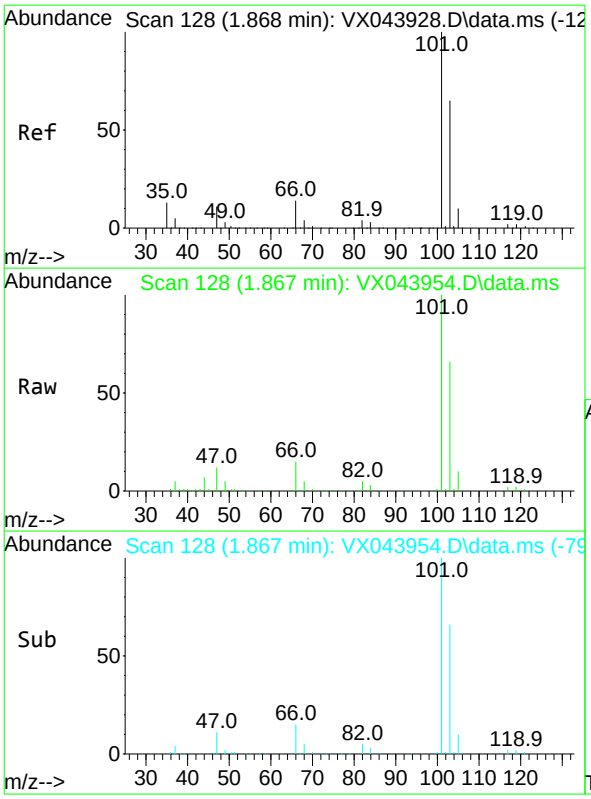


#6
Chloroethane
Concen: 22.665 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 64 Resp: 21360

Ion	Ratio	Lower	Upper
64	100		
66	28.8	25.9	38.9

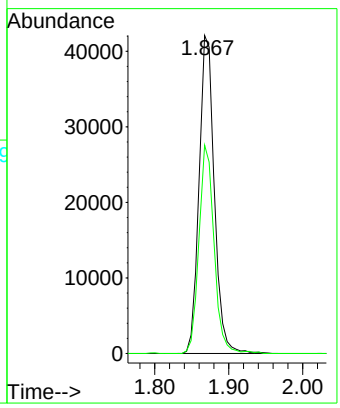




#7
Trichlorofluoromethane
Concen: 21.826 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:101 Resp: 60353

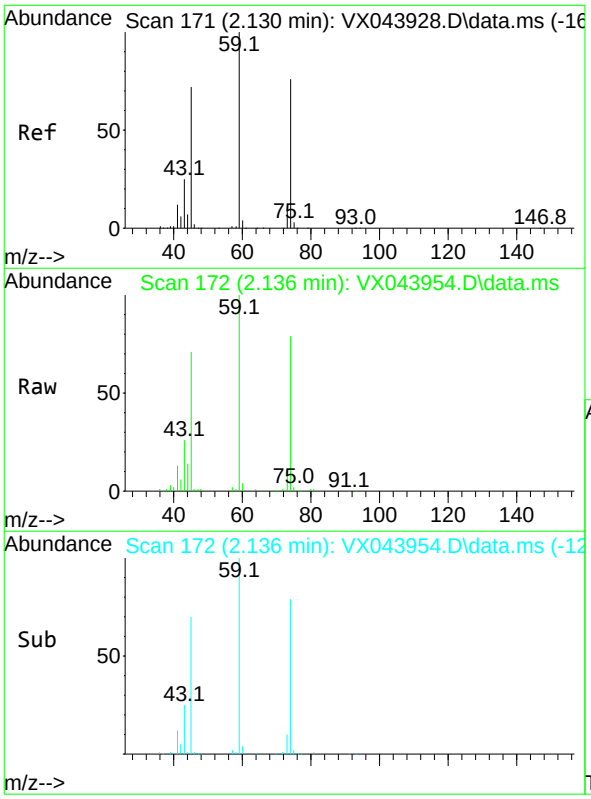
Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

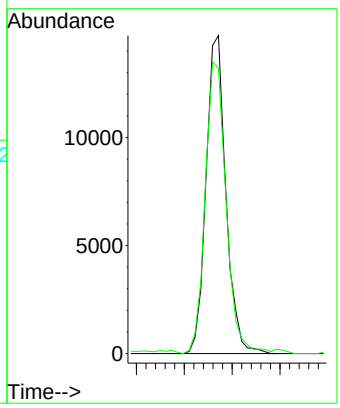
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

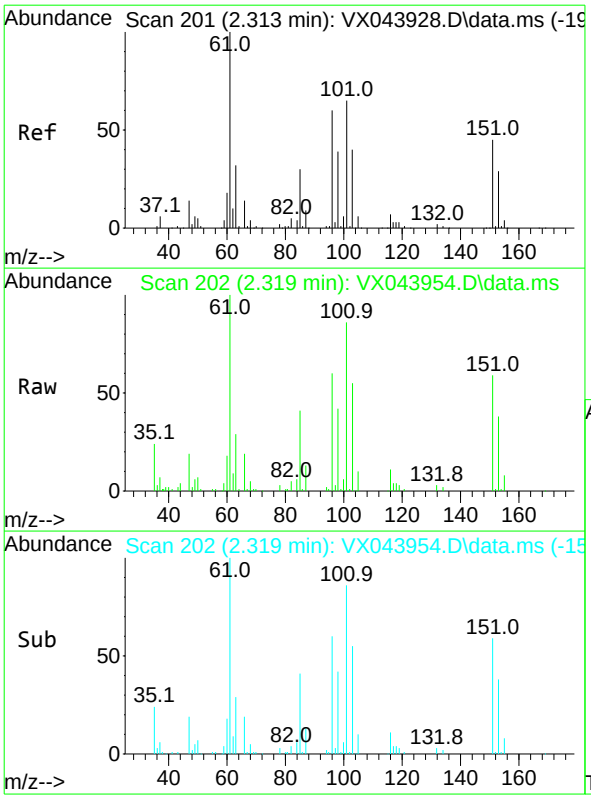


#8
Diethyl Ether
Concen: 20.982 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 74 Resp: 21147

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.9	143.6

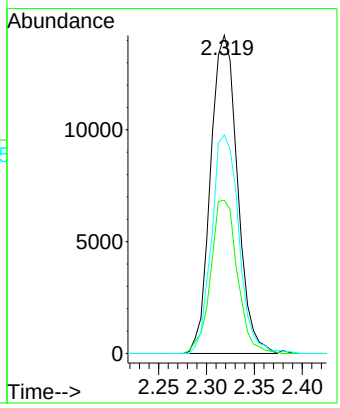




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.057 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:101 Resp: 27774

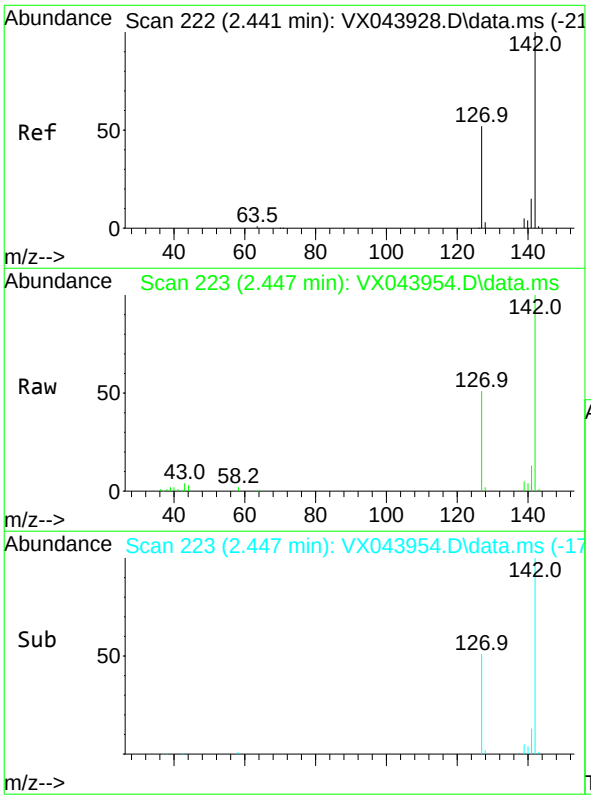
Ion	Ratio	Lower	Upper
101	100		
85	47.8	37.9	56.9
151	69.9	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

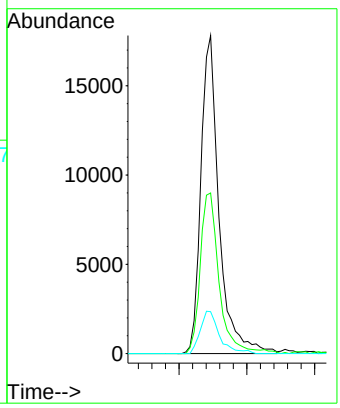
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

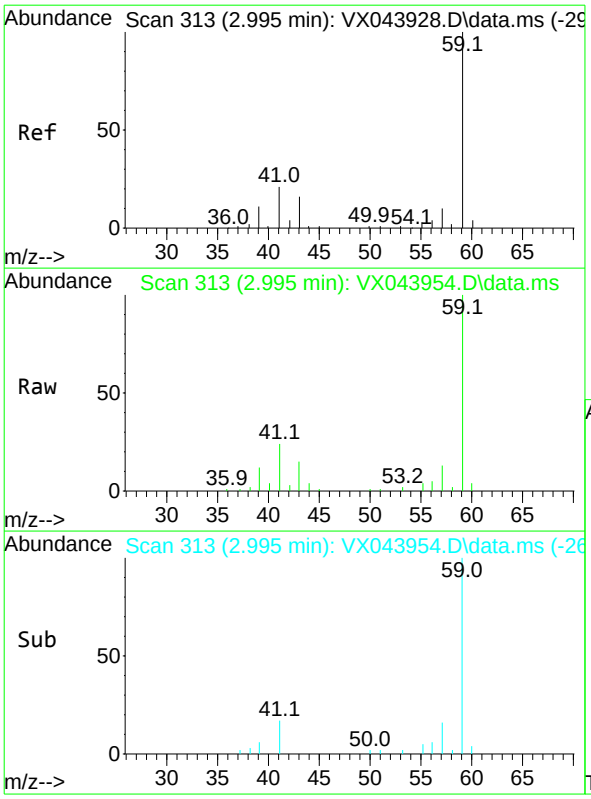


#10
Methyl Iodide
Concen: 19.998 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:142 Resp: 32944

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.7	61.1
141	14.1	12.0	18.0

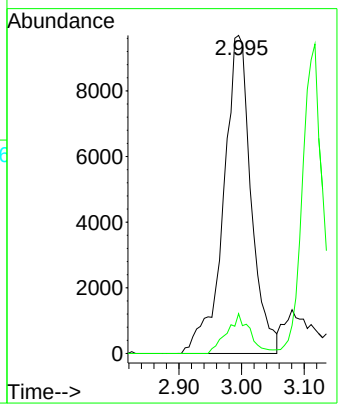




#11
Tert butyl alcohol
Concen: 98.905 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 59 Resp: 29700

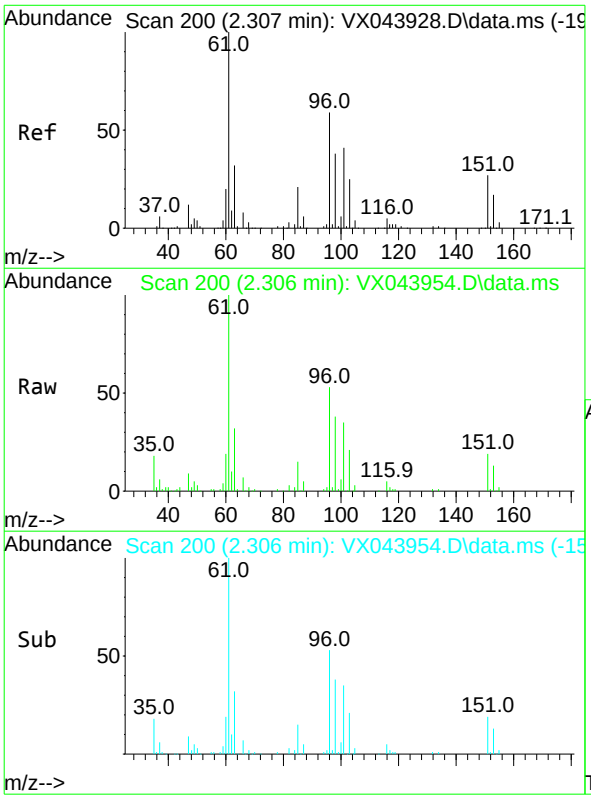
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

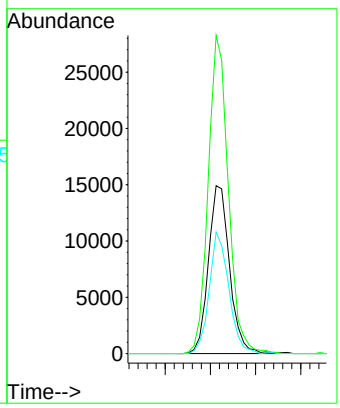
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

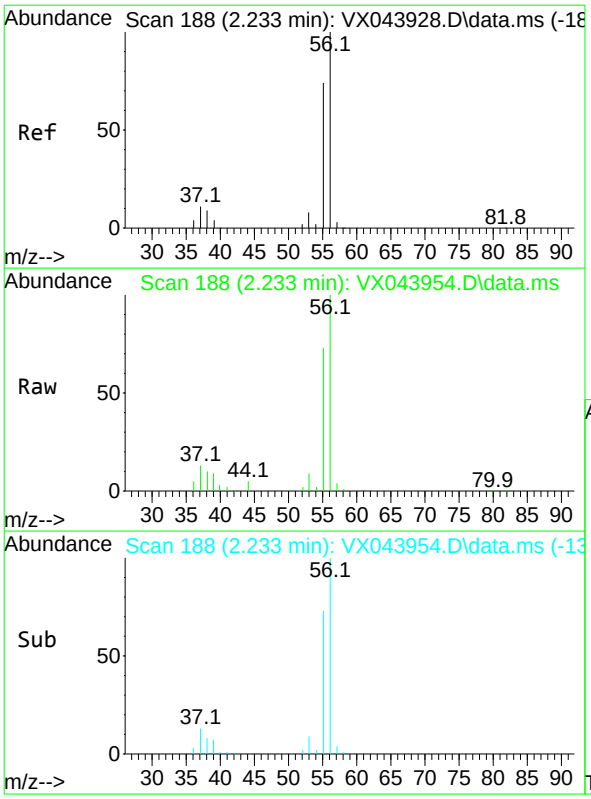


#12
1,1-Dichloroethene
Concen: 19.249 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 96 Resp: 24194

Ion	Ratio	Lower	Upper
96	100		
61	189.4	135.5	203.3
98	72.4	50.8	76.2

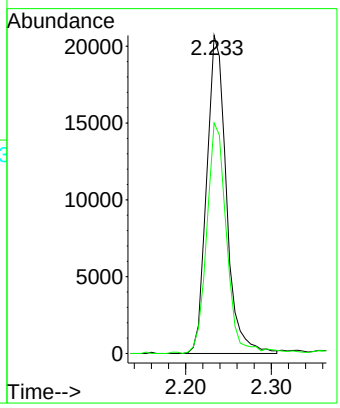




#13
Acrolein
Concen: 104.286 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 56 Resp: 33008

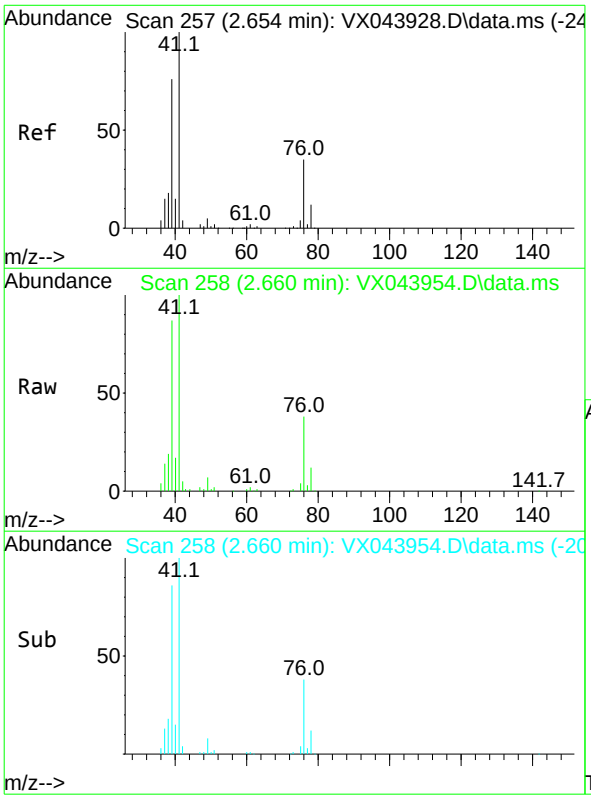
Ion	Ratio	Lower	Upper
56	100		
55	73.6	58.2	87.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

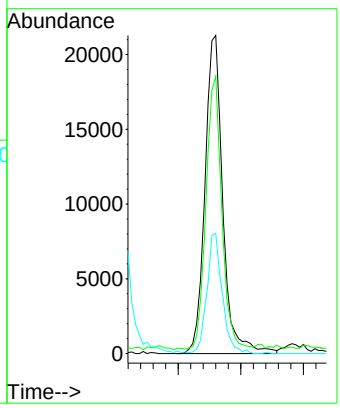
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

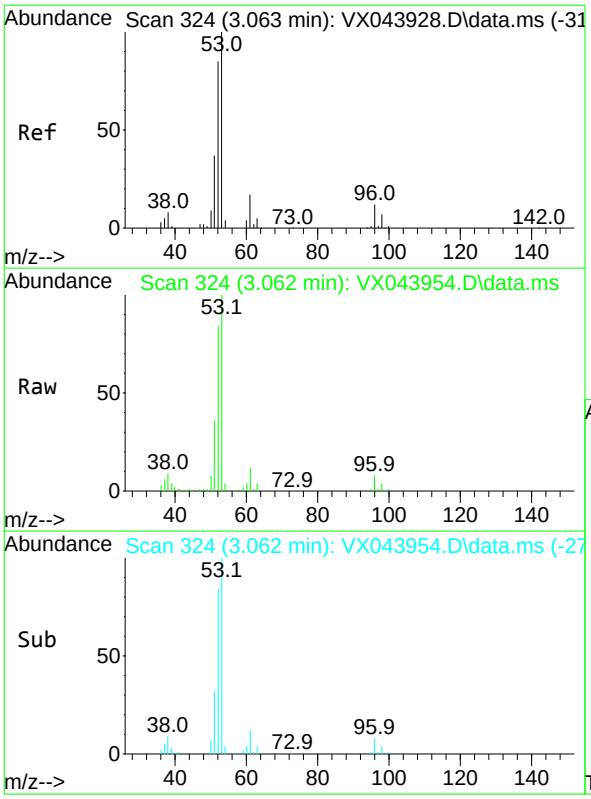


#14
Allyl chloride
Concen: 20.522 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 42147

Ion	Ratio	Lower	Upper
41	100		
39	76.3	59.5	89.3
76	32.5	27.4	41.2

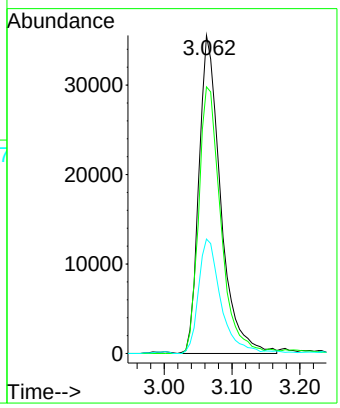




#15
Acrylonitrile
Concen: 107.997 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 53 Resp: 79030

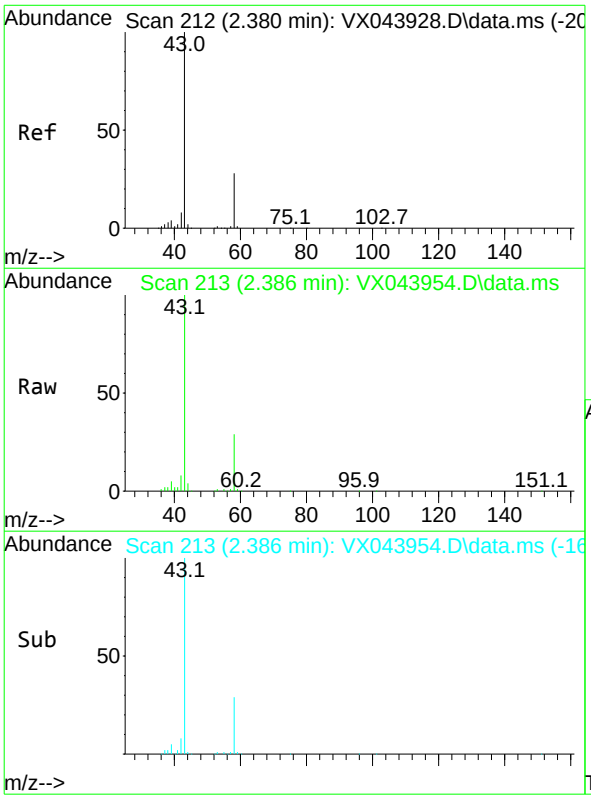
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.5	99.7
51	36.9	30.2	45.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

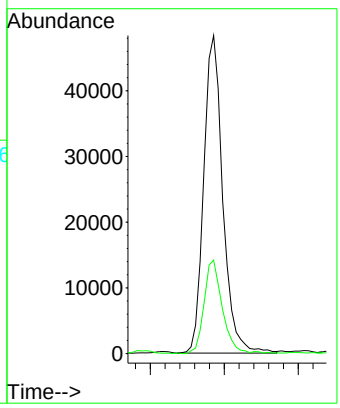
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

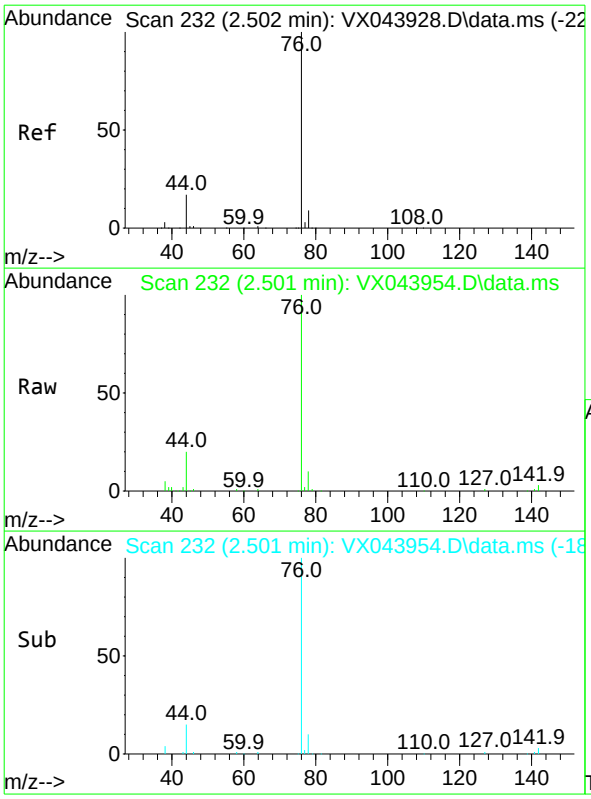


#16
Acetone
Concen: 100.513 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 86367

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.7	34.1

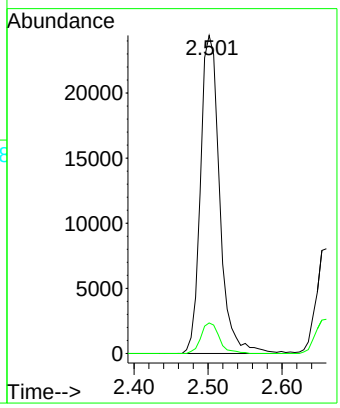




#17
Carbon Disulfide
Concen: 16.929 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 76 Resp: 43889

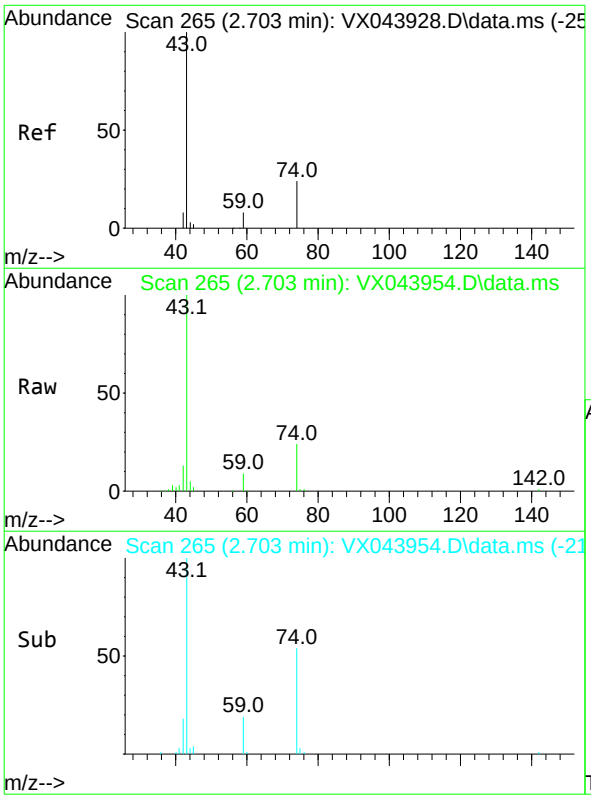
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

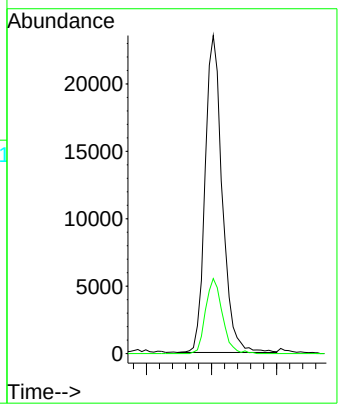
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

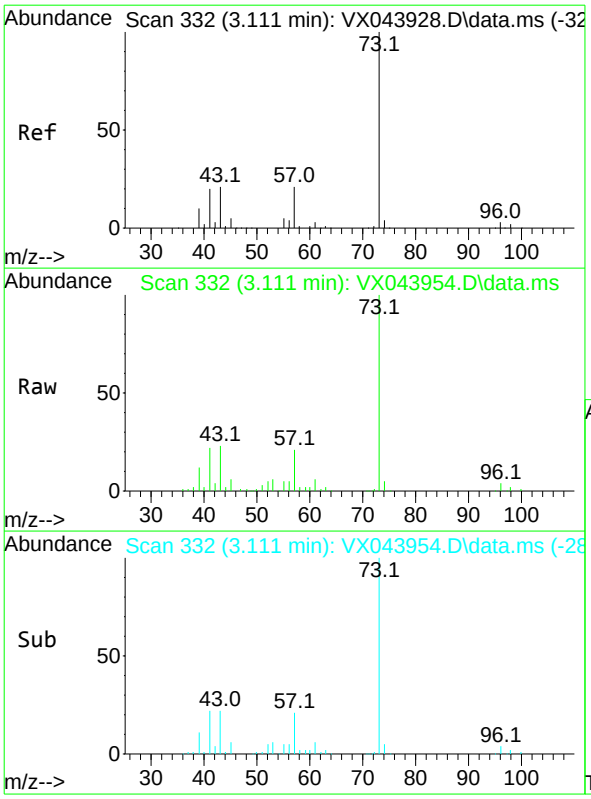


#18
Methyl Acetate
Concen: 21.518 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 43057

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.9	28.3

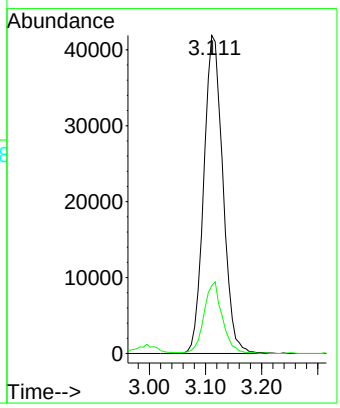




#19
Methyl tert-butyl Ether
Concen: 21.626 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 73 Resp: 98693

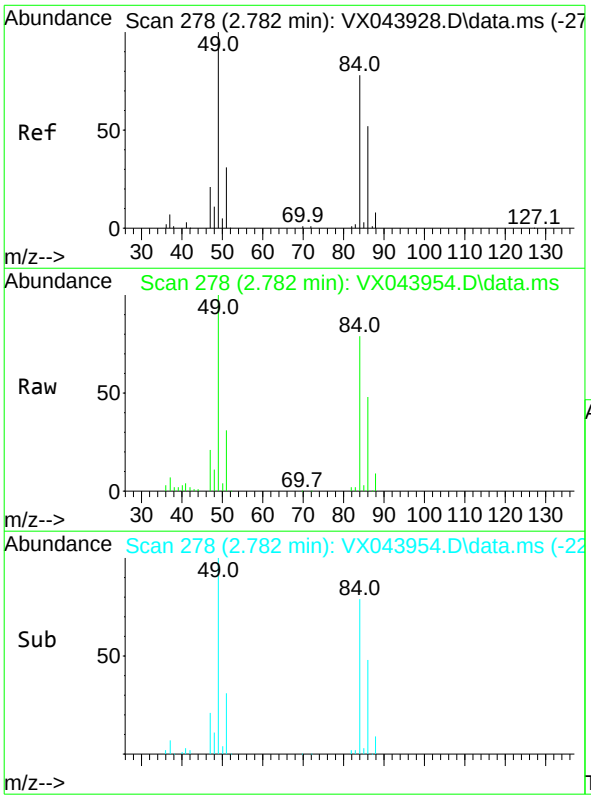
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

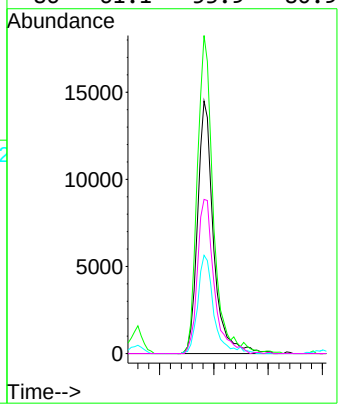
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

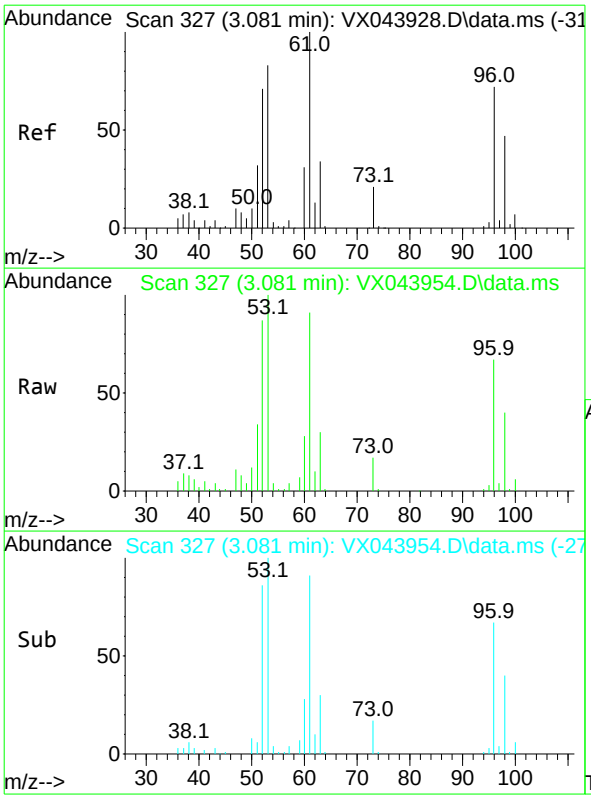


#20
Methylene Chloride
Concen: 20.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 84 Resp: 29543

Ion	Ratio	Lower	Upper
84	100		
49	125.9	102.7	154.1
51	38.9	31.7	47.5
86	61.1	53.9	80.9

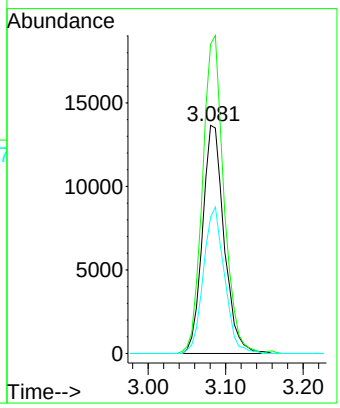




#21
trans-1,2-Dichloroethene
Concen: 20.345 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 96 Resp: 26401

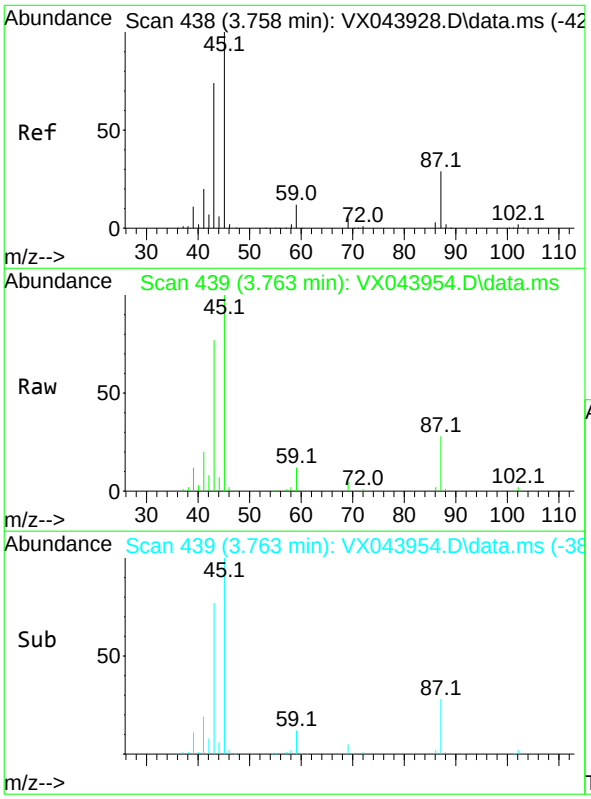
Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.8	167.6
98	59.8	52.7	79.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

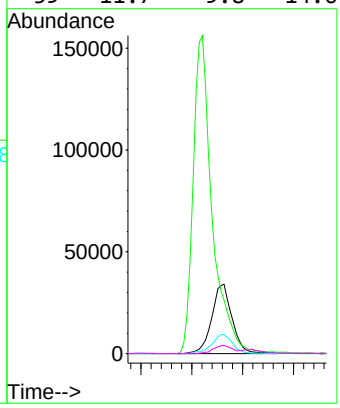
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

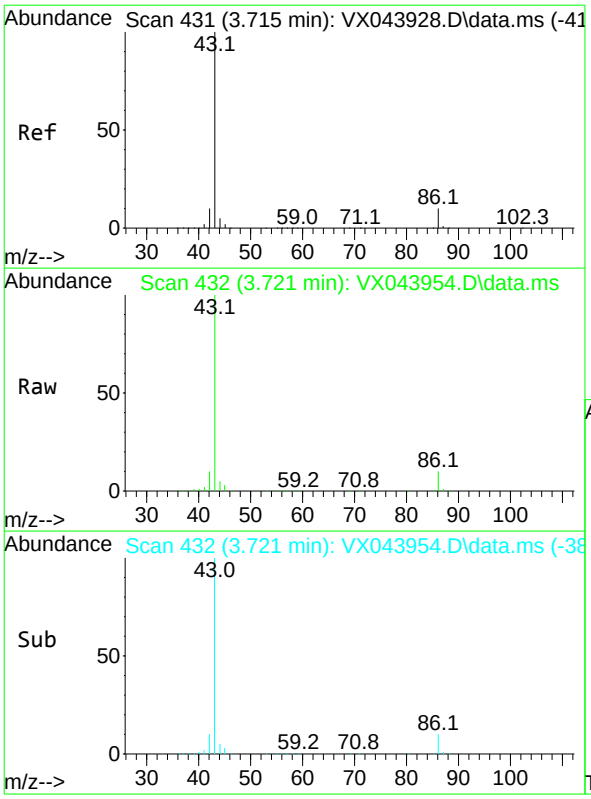


#22
Diisopropyl ether
Concen: 21.444 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 45 Resp: 94170

Ion	Ratio	Lower	Upper
45	100		
43	76.6	59.6	89.4
87	27.6	22.9	34.3
59	11.7	9.8	14.6

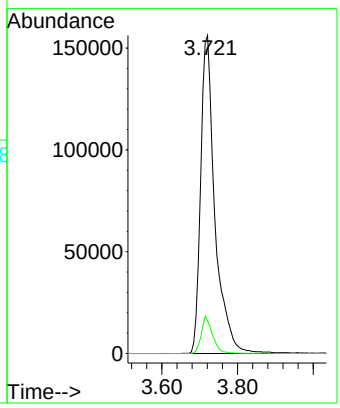




#23
Vinyl Acetate
Concen: 108.742 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 408506

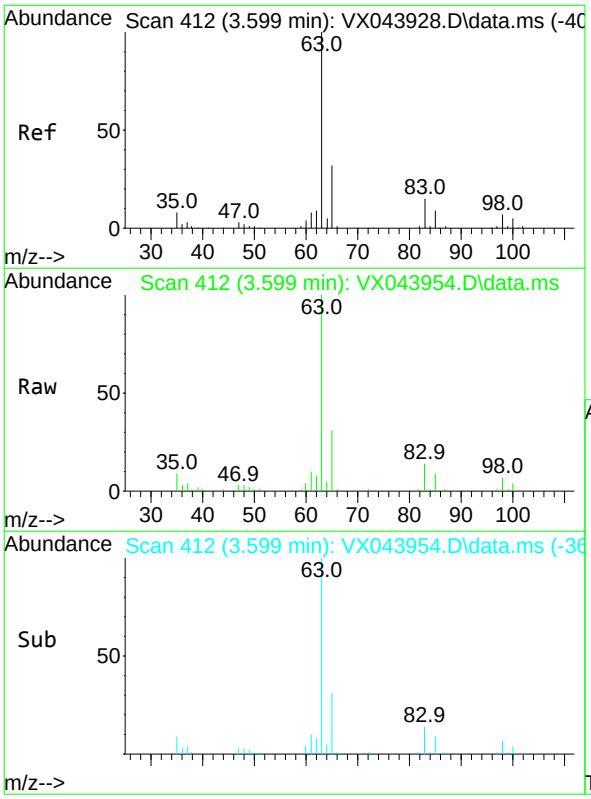
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

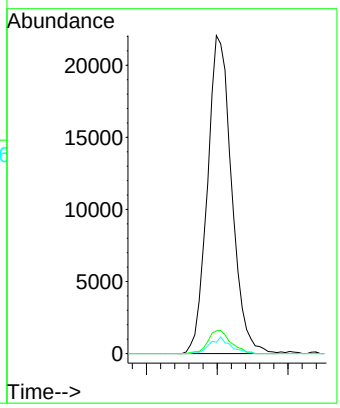
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

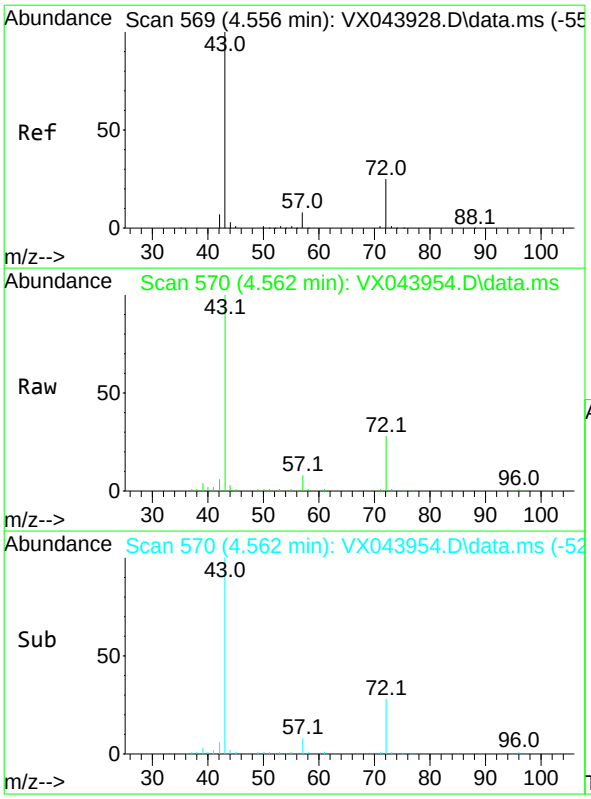


#24
1,1-Dichloroethane
Concen: 20.662 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 52345

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	3.6	2.4	7.1

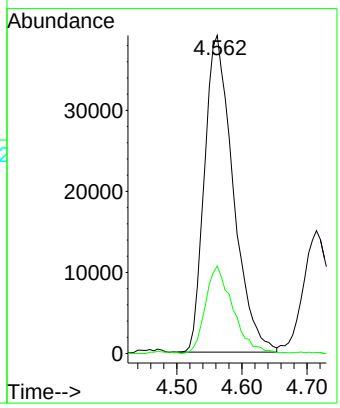




#25
2-Butanone
Concen: 107.988 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 119728

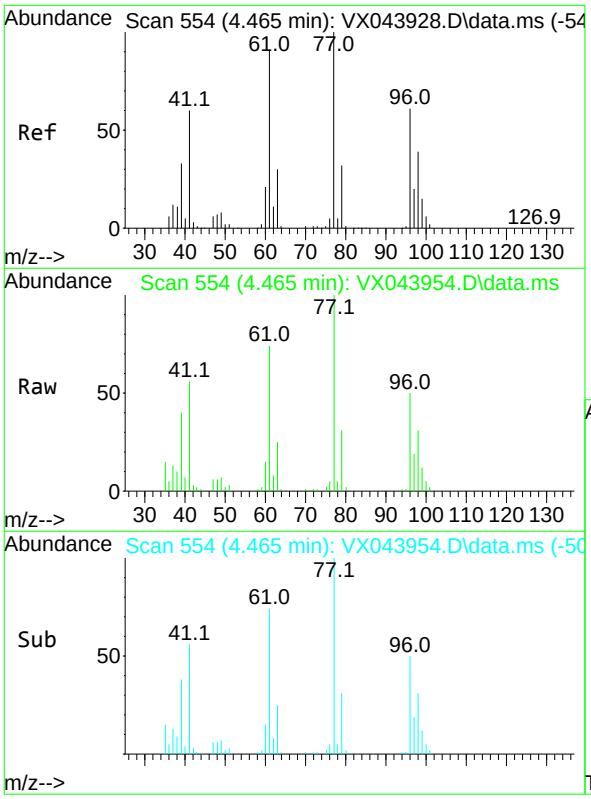
Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

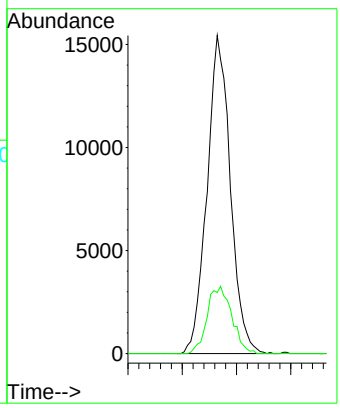
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

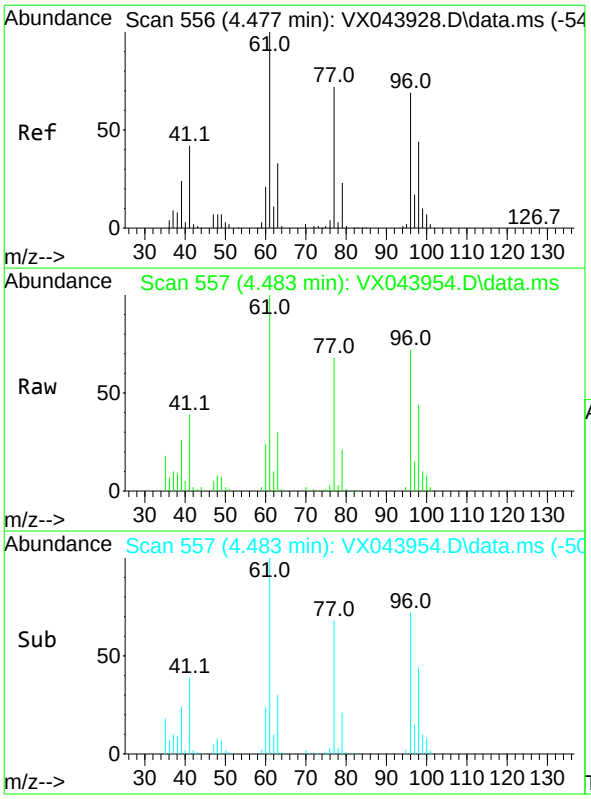


#26
2,2-Dichloropropane
Concen: 20.157 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 77 Resp: 46118

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.8	32.3

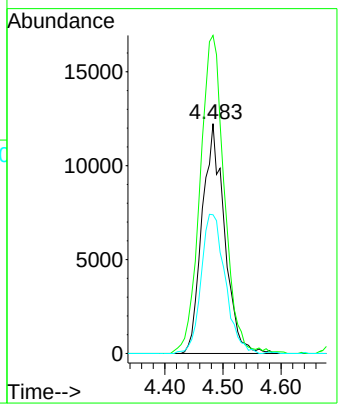




#27
cis-1,2-Dichloroethene
Concen: 20.353 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 96 Resp: 32647

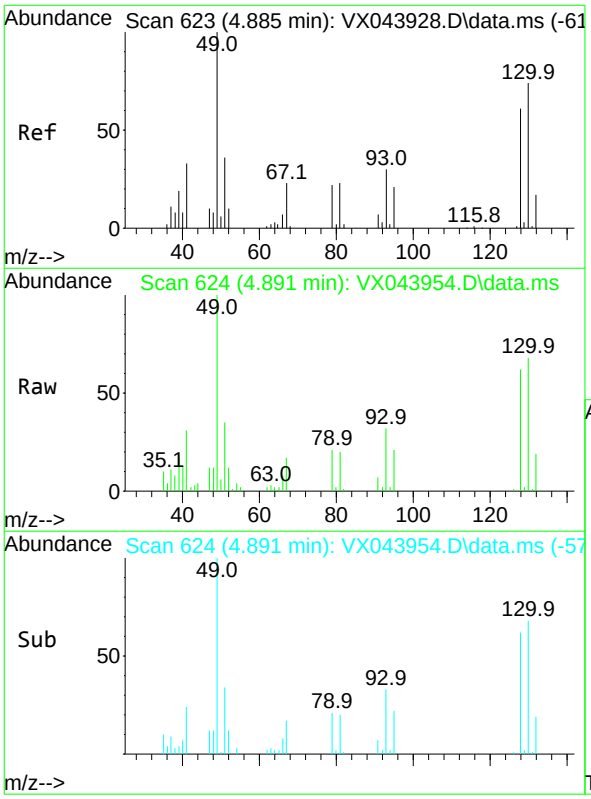
Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	297.4
98	65.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

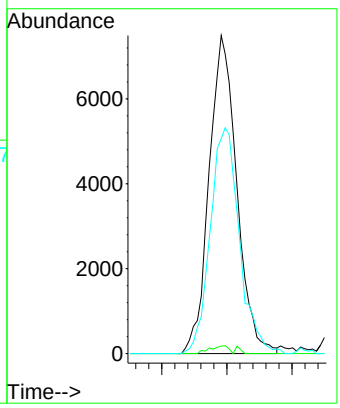
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

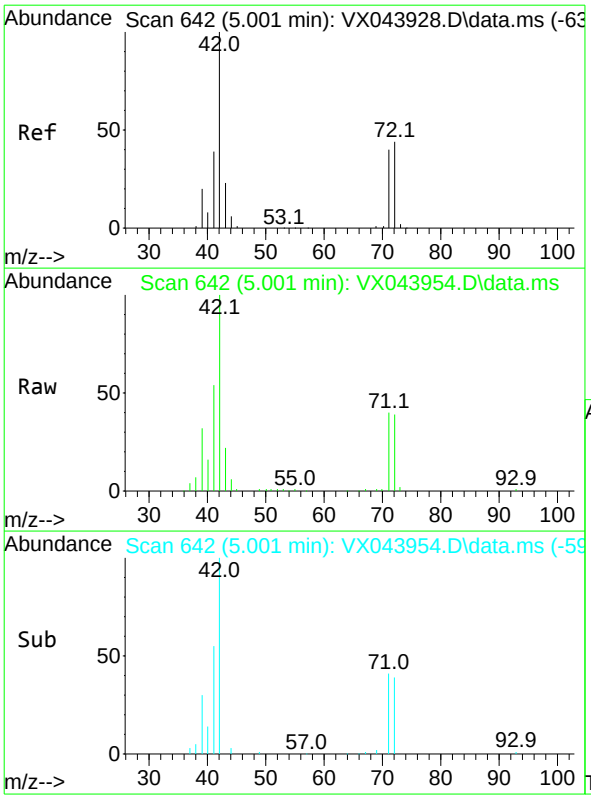


#28
Bromochloromethane
Concen: 19.848 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 49 Resp: 22133

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	74.6	59.0	88.6





#29
Tetrahydrofuran
Concen: 109.701 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

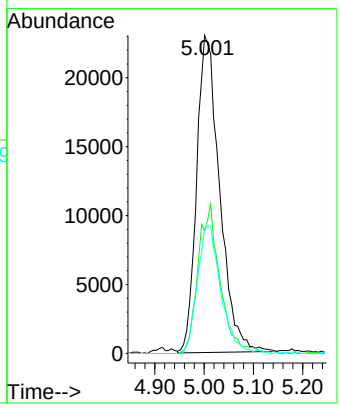
Tgt Ion: 42 Resp: 74565

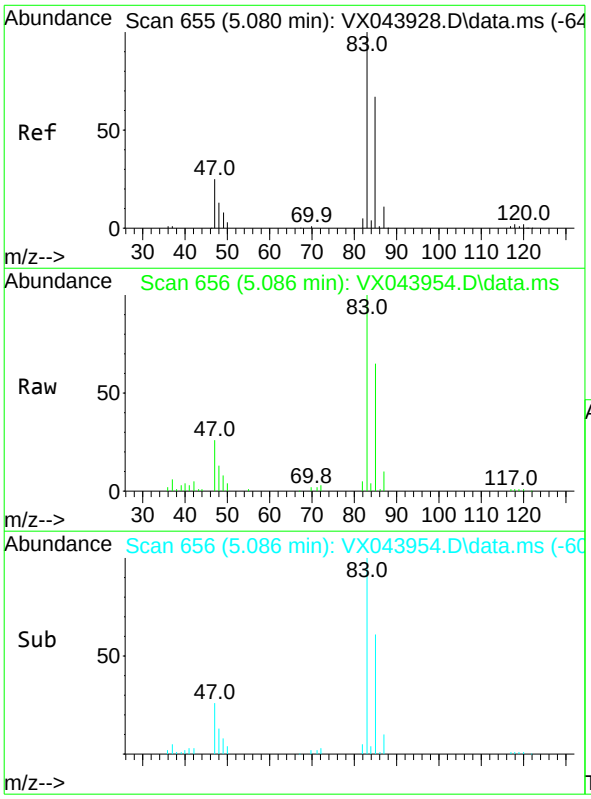
Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.4	54.6
71	40.9	33.4	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

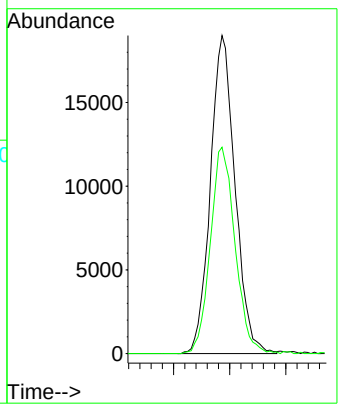


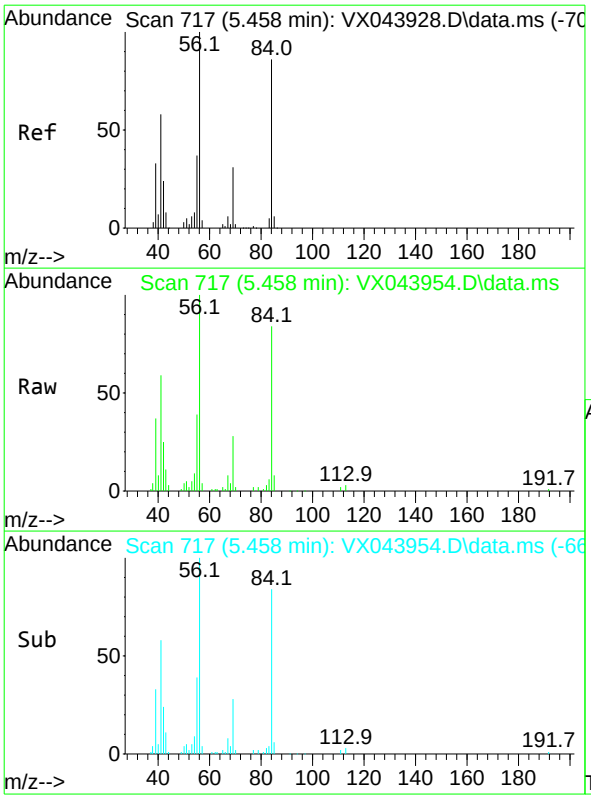


#30
Chloroform
Concen: 21.310 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 83 Resp: 58065

Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.5	80.3

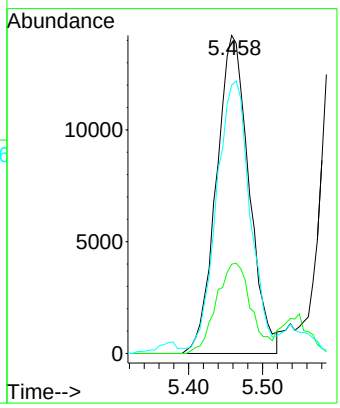




#31
Cyclohexane
Concen: 20.930 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 56 Resp: 43641

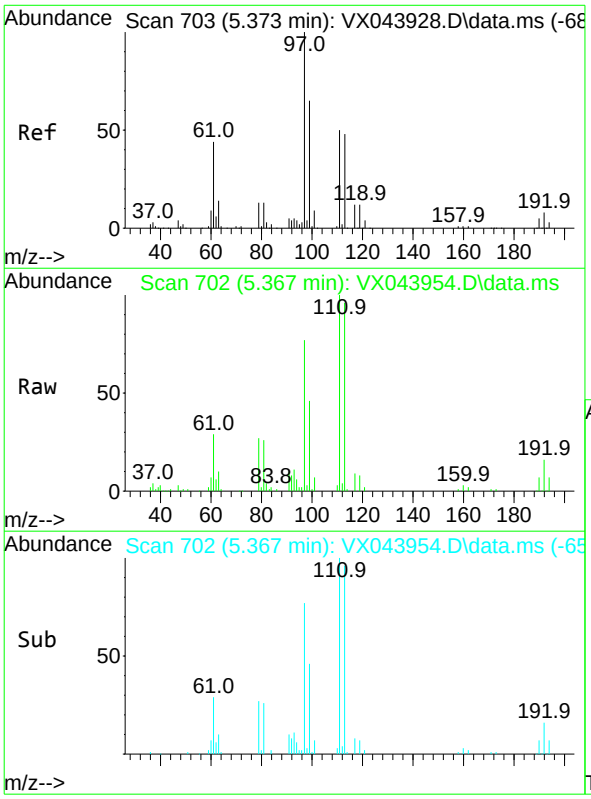
Ion	Ratio	Lower	Upper
56	100		
69	28.1	24.7	37.1
84	82.8	68.7	103.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

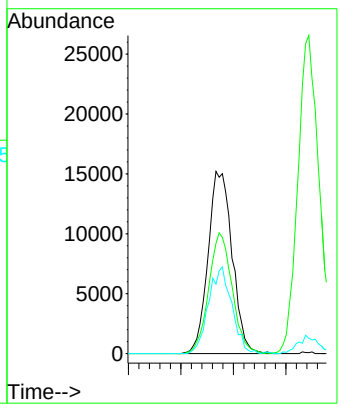
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

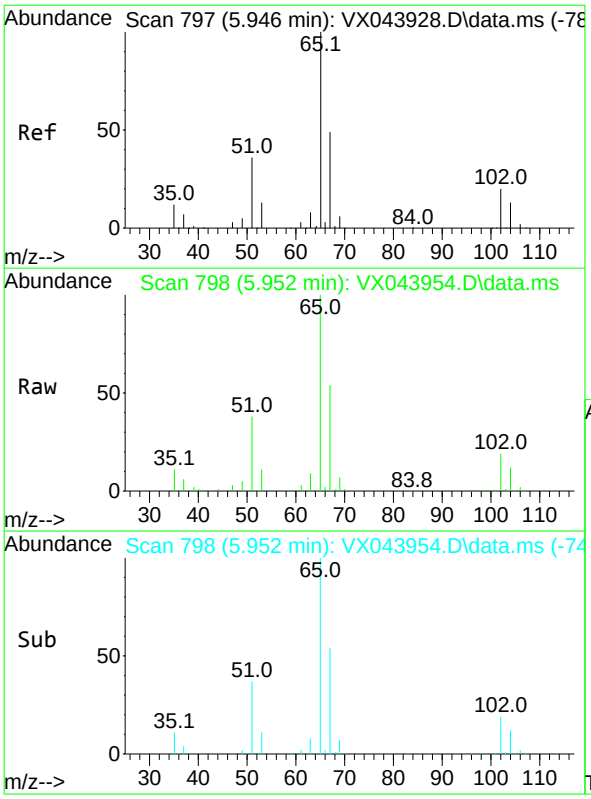


#32
1,1,1-Trichloroethane
Concen: 20.691 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 97 Resp: 48619

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	45.8	35.4	53.2

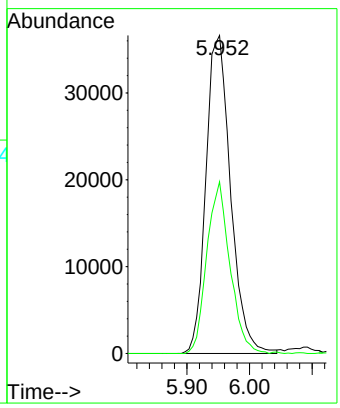




#33
1,2-Dichloroethane-d4
Concen: 53.557 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 65 Resp: 100196

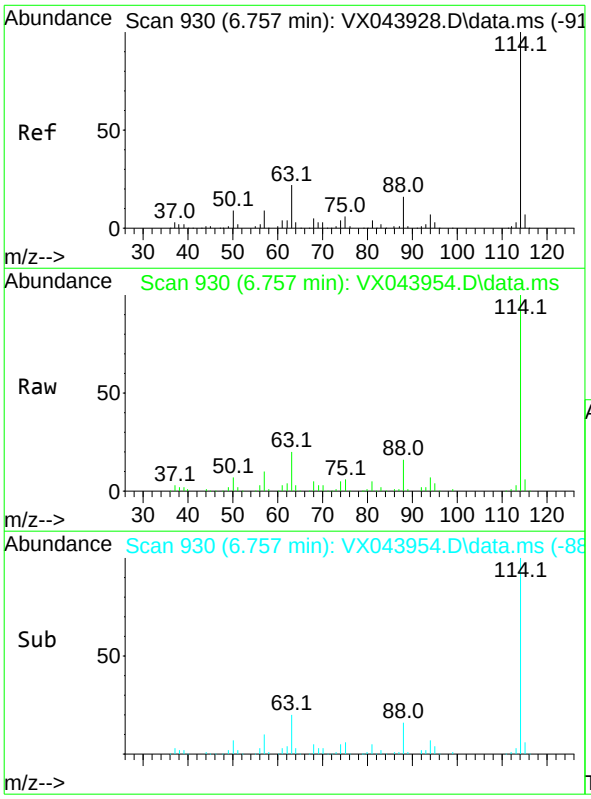
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

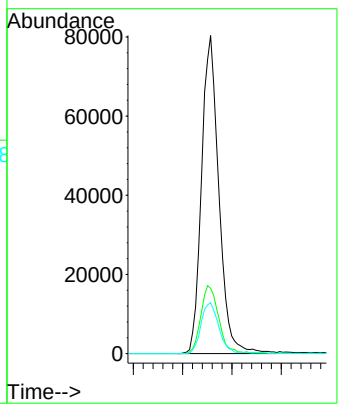
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

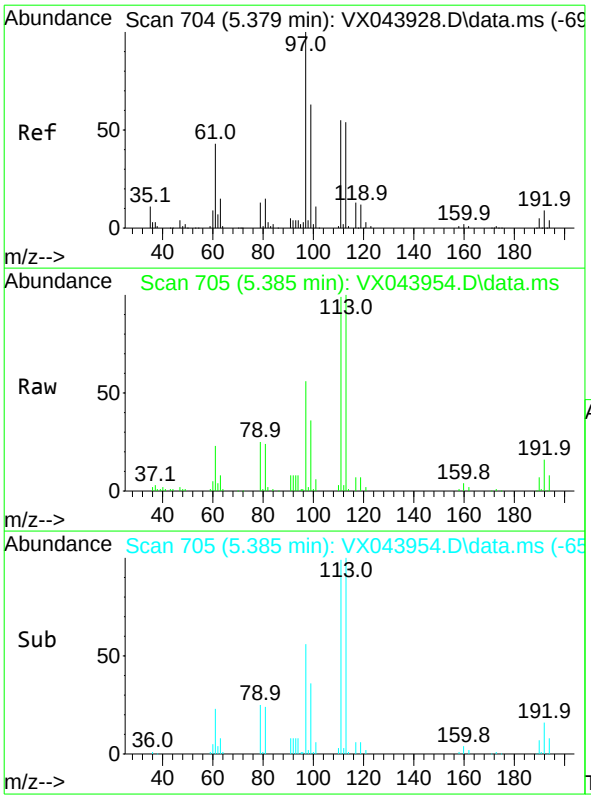


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:114 Resp: 195872

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.0
88	16.0	0.0	32.4

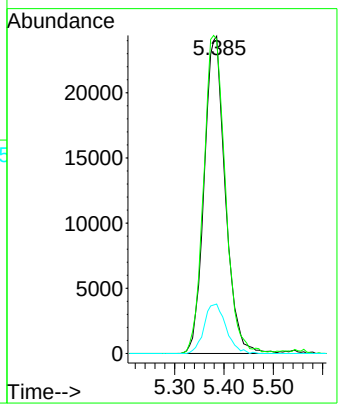




#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:113 Resp: 72137

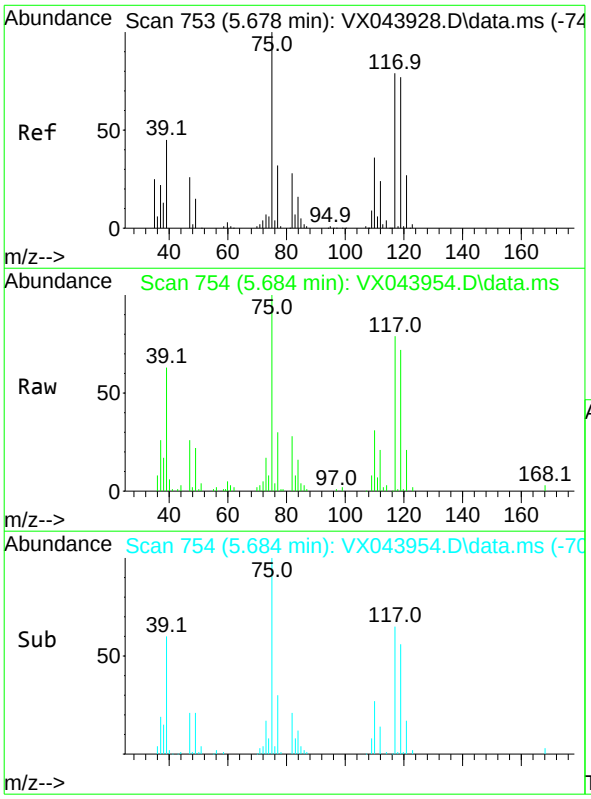
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	16.2	13.0	19.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

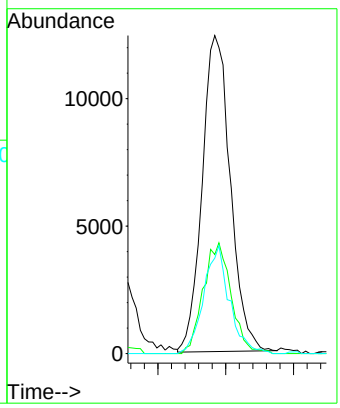
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

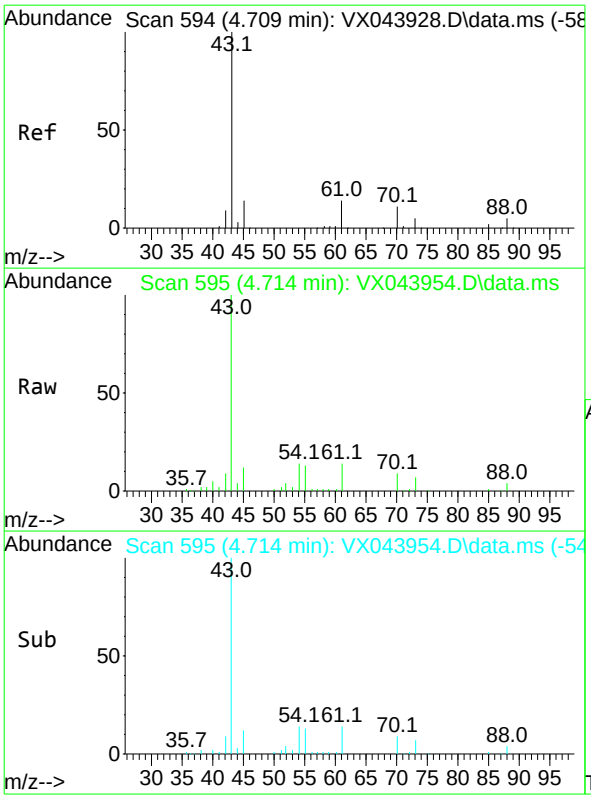


#36
1,1-Dichloropropene
Concen: 20.506 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 35764

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.1	25.8	38.8

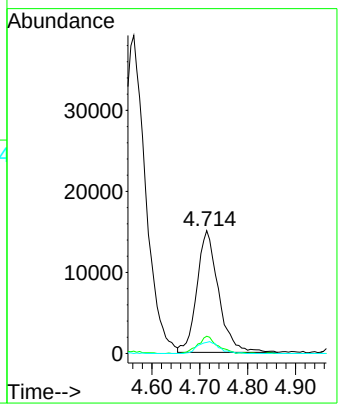




#37
Ethyl Acetate
Concen: 21.749 ug/l
RT: 4.714 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 47085

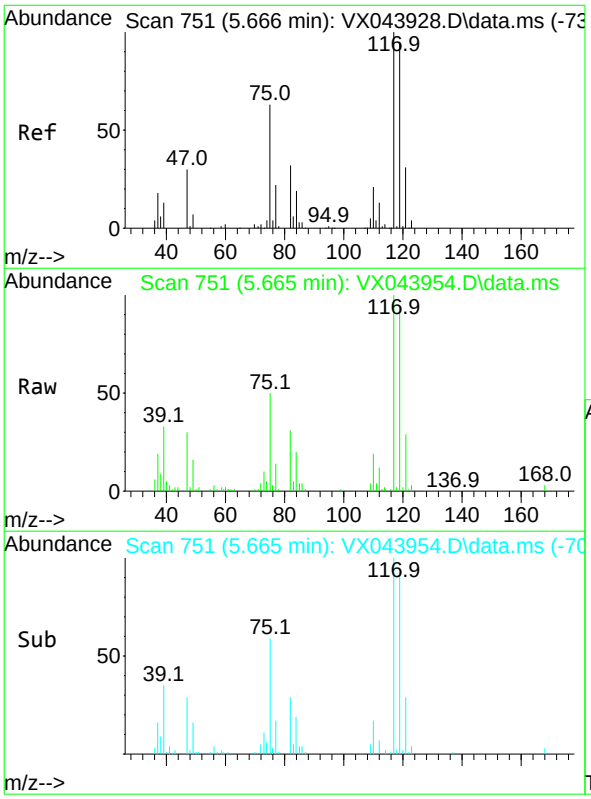
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.6	8.0	12.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

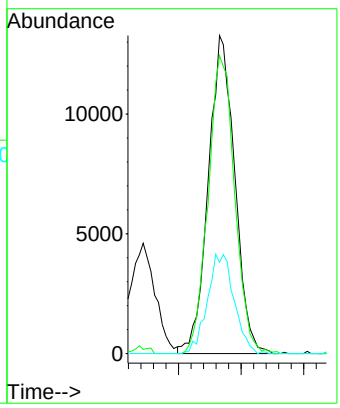
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

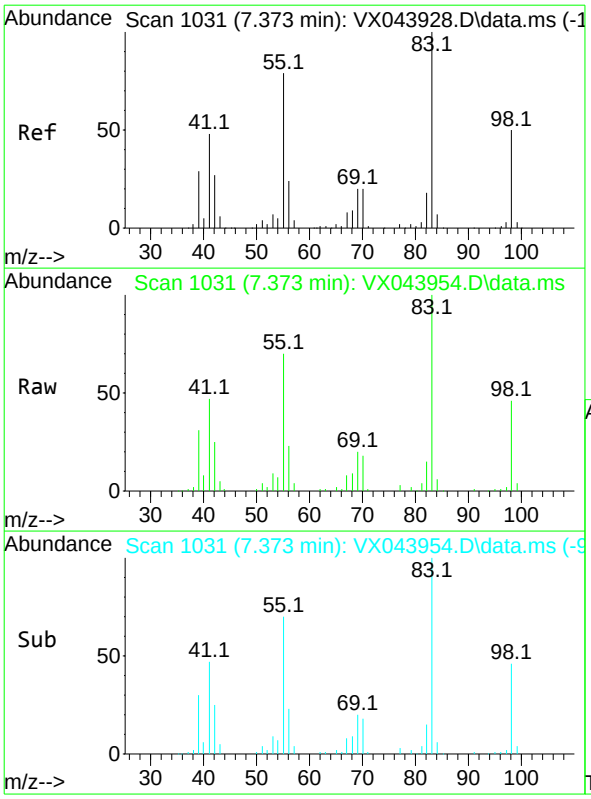


#38
Carbon Tetrachloride
Concen: 19.920 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:117 Resp: 39037

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.2	112.8
121	28.7	24.5	36.7

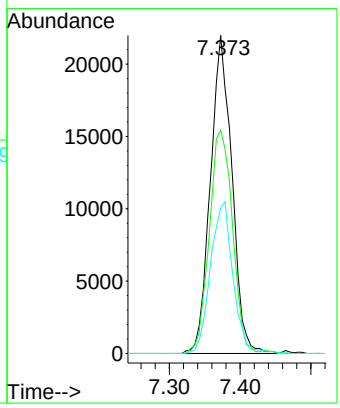




#39
Methylcyclohexane
Concen: 20.474 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 83 Resp: 46390

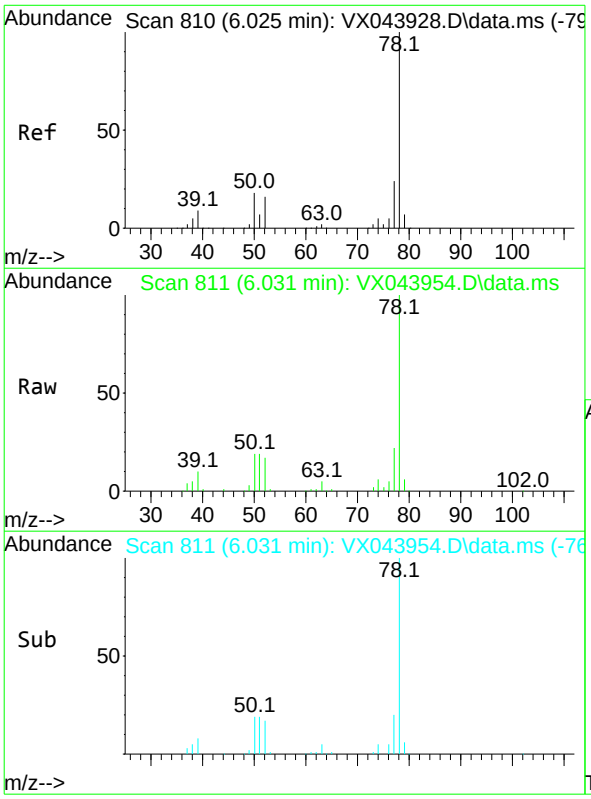
Ion	Ratio	Lower	Upper
83	100		
55	70.3	63.1	94.7
98	45.8	40.0	60.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

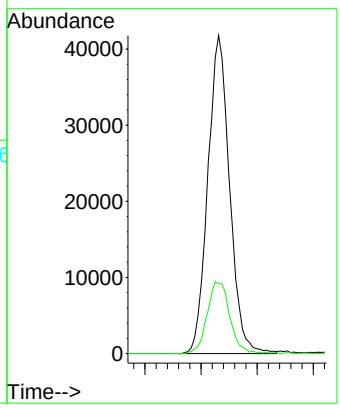
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

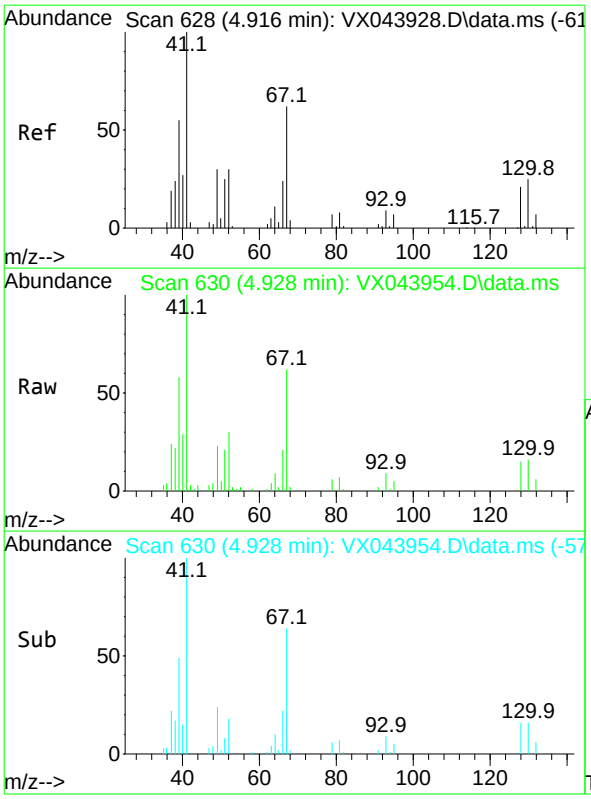


#40
Benzene
Concen: 20.730 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 78 Resp: 112619

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.2	28.8

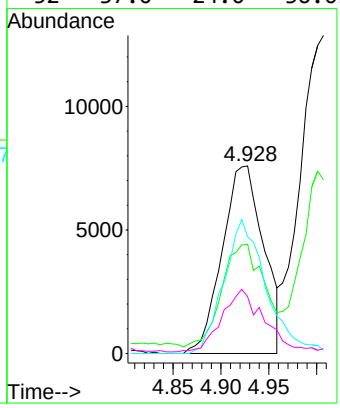




#41
Methacrylonitrile
Concen: 20.630 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 22859

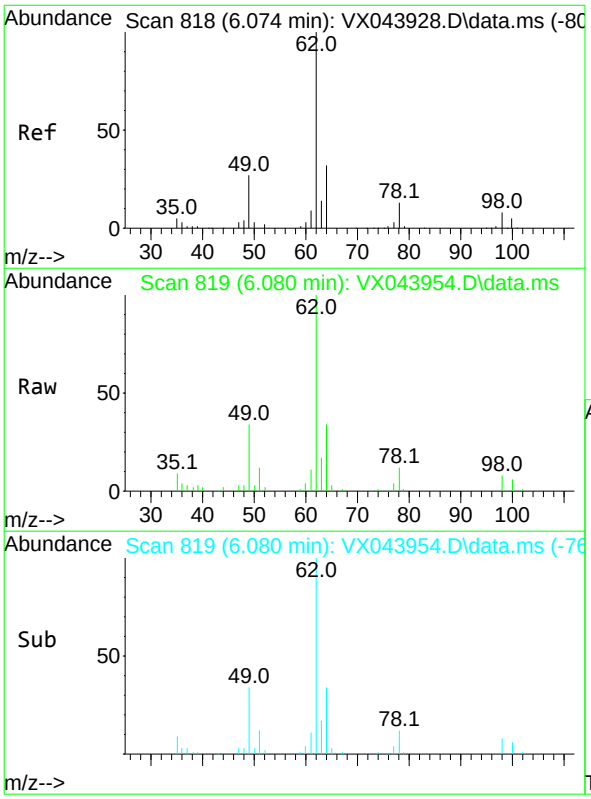
Ion	Ratio	Lower	Upper
41	100		
39	55.7	41.7	62.5
67	73.1	55.8	83.8
52	37.0	24.0	36.0#



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

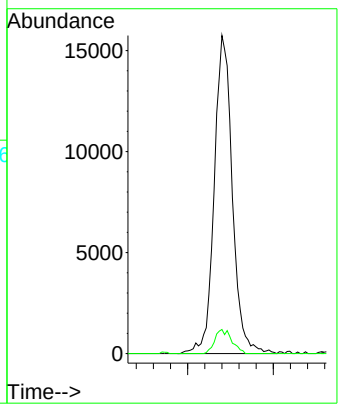
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

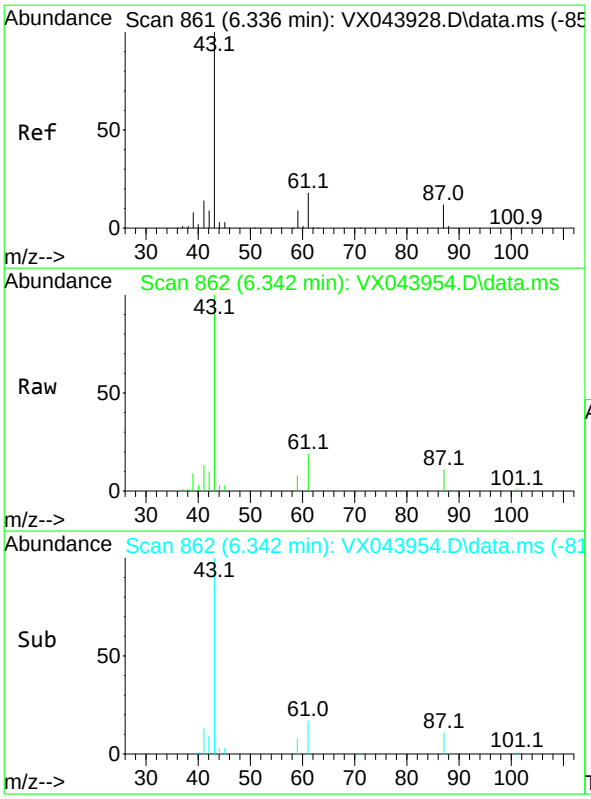


#42
1,2-Dichloroethane
Concen: 21.172 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 62 Resp: 46195

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.4

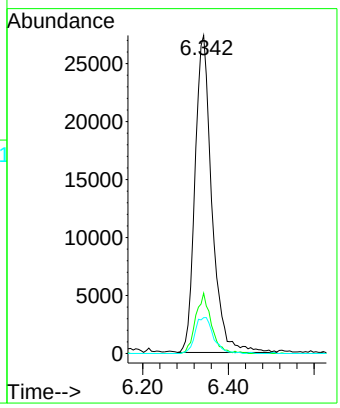




#43
Isopropyl Acetate
Concen: 21.661 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 74632

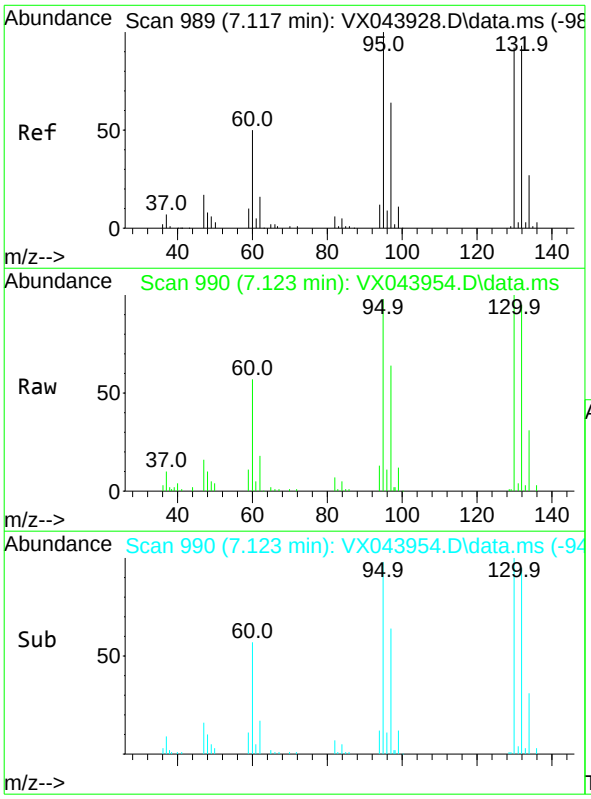
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.5	21.7
87	12.3	10.2	15.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

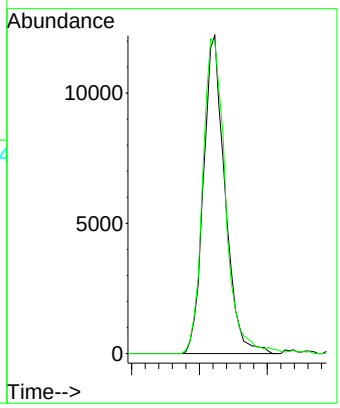
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

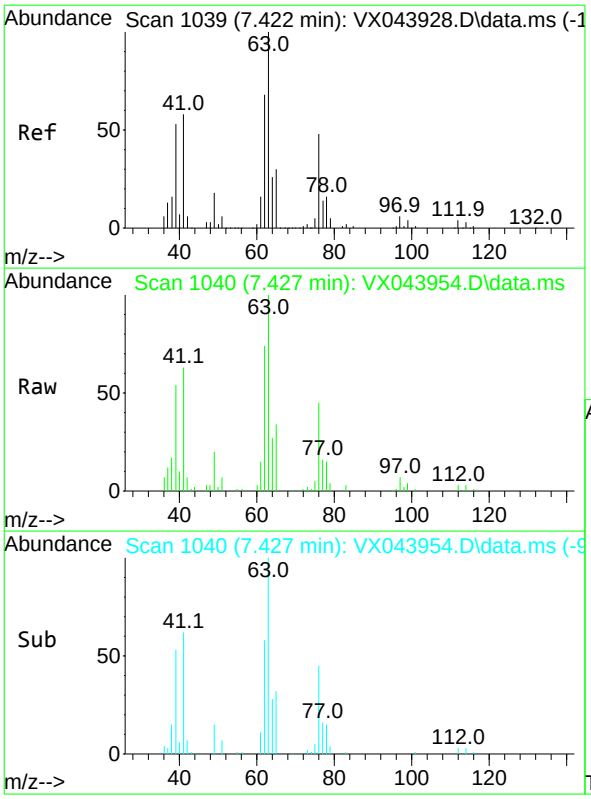


#44
Trichloroethene
Concen: 17.414 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:130 Resp: 26781

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	217.8

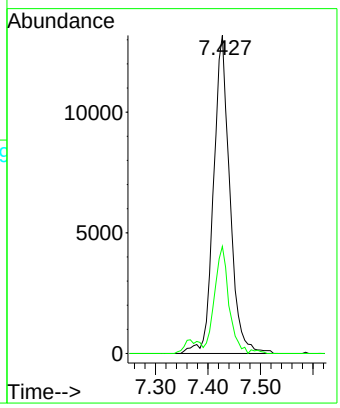




#45
1,2-Dichloropropane
Concen: 21.366 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 28429

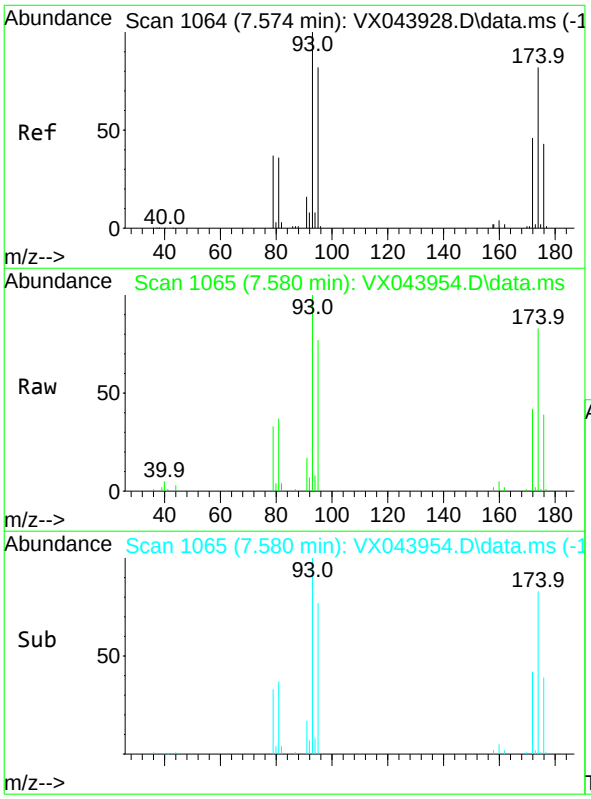
Ion	Ratio	Lower	Upper
63	100		
65	33.7	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

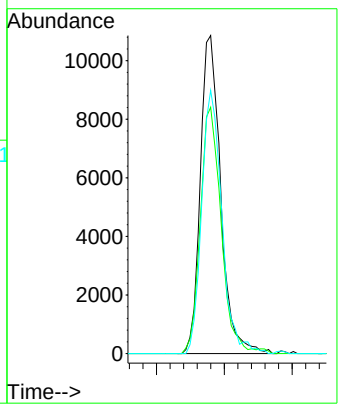
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

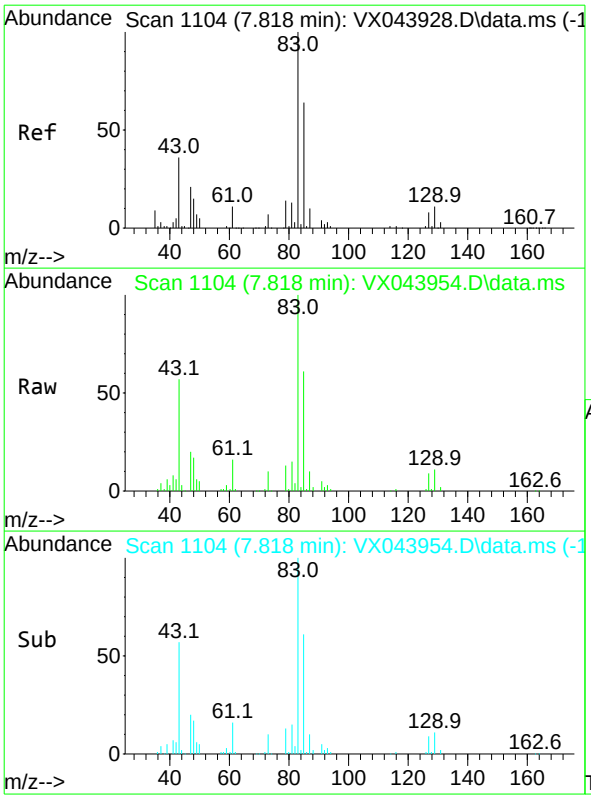


#46
Dibromomethane
Concen: 21.475 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 93 Resp: 22603

Ion	Ratio	Lower	Upper
93	100		
95	79.5	66.2	99.4
174	82.5	69.6	104.4

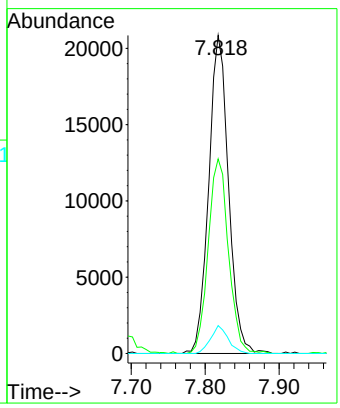




#47
Bromodichloromethane
Concen: 20.524 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 83 Resp: 38744

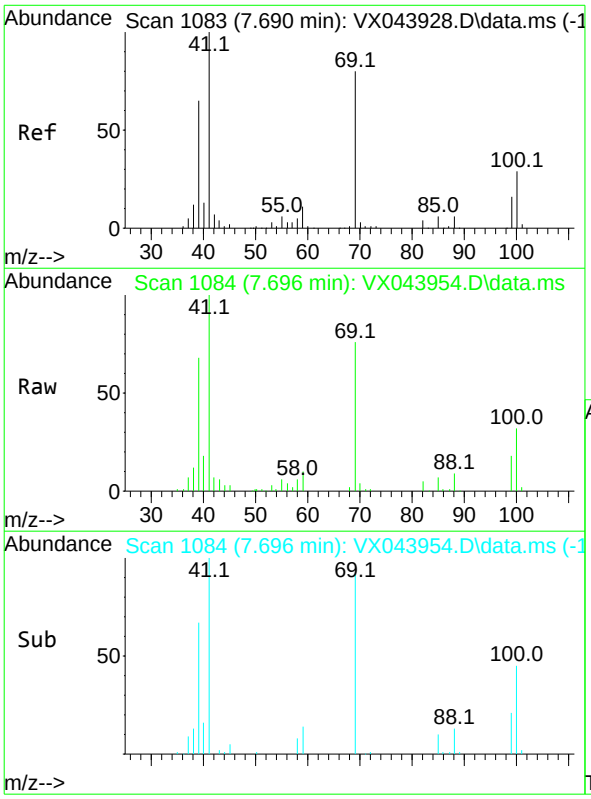
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.4	77.0
127	8.8	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

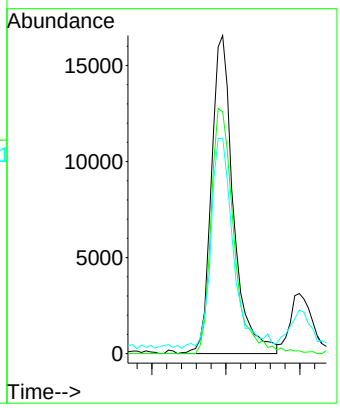
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

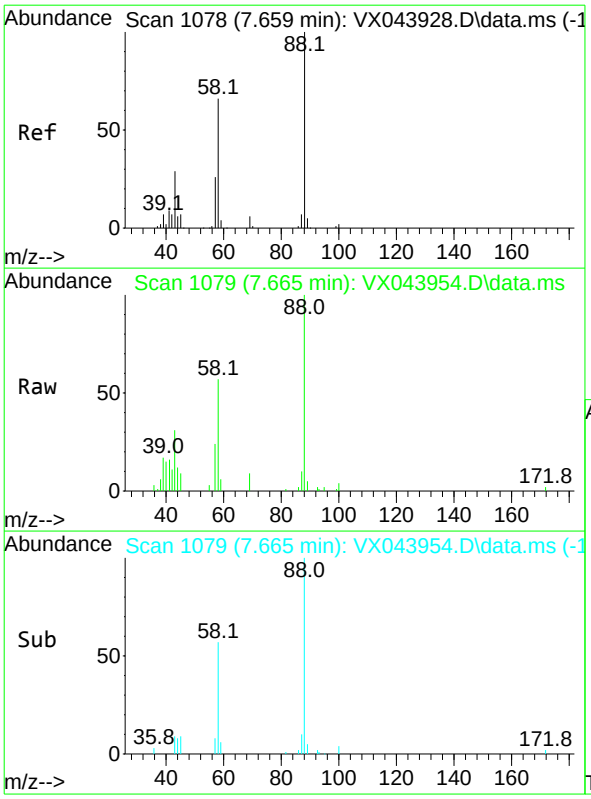


#48
Methyl methacrylate
Concen: 20.644 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 34130

Ion	Ratio	Lower	Upper
41	100		
69	80.2	64.6	97.0
39	67.1	53.3	79.9





#49
1,4-Dioxane
Concen: 357.698 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

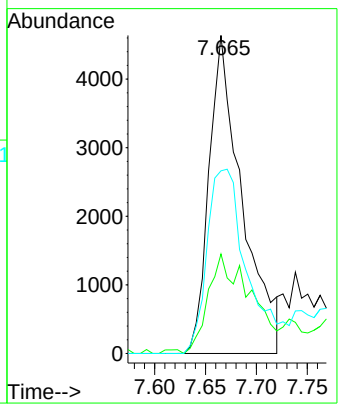
Tgt Ion: 88 Resp: 10534

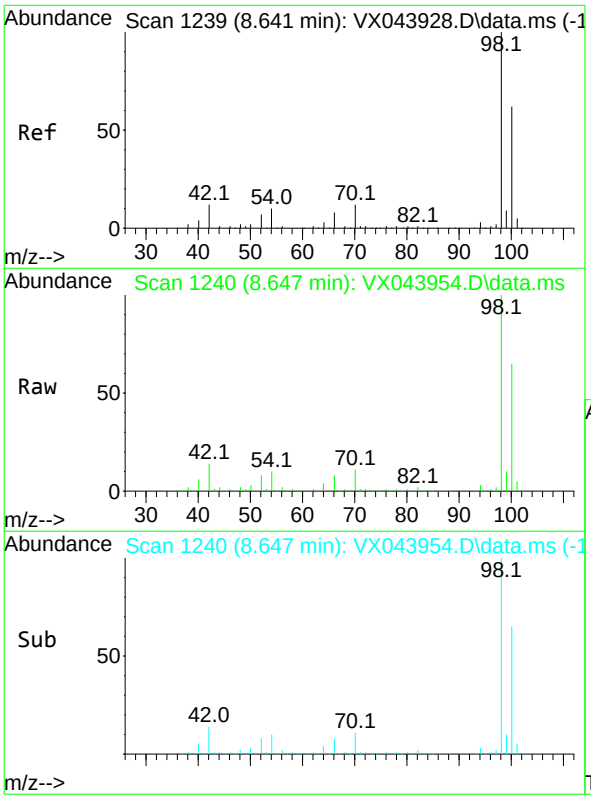
Ion	Ratio	Lower	Upper
88	100		
43	40.0	26.8	40.2
58	71.2	45.4	68.2#

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

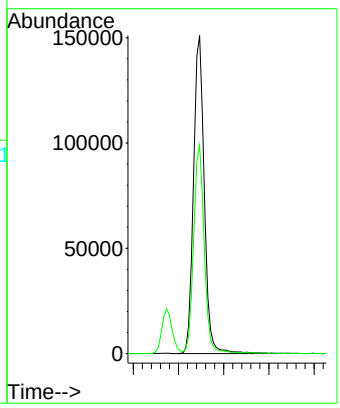


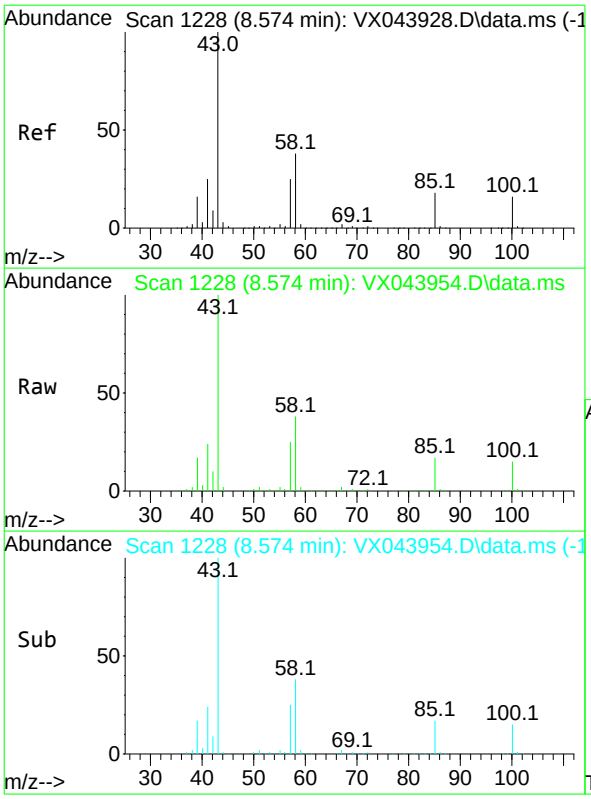


#50
Toluene-d8
Concen: 51.950 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 98 Resp: 250635

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.6	79.0

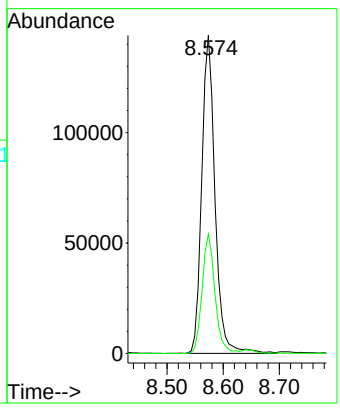




#51
4-Methyl-2-Pentanone
Concen: 112.638 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 236829

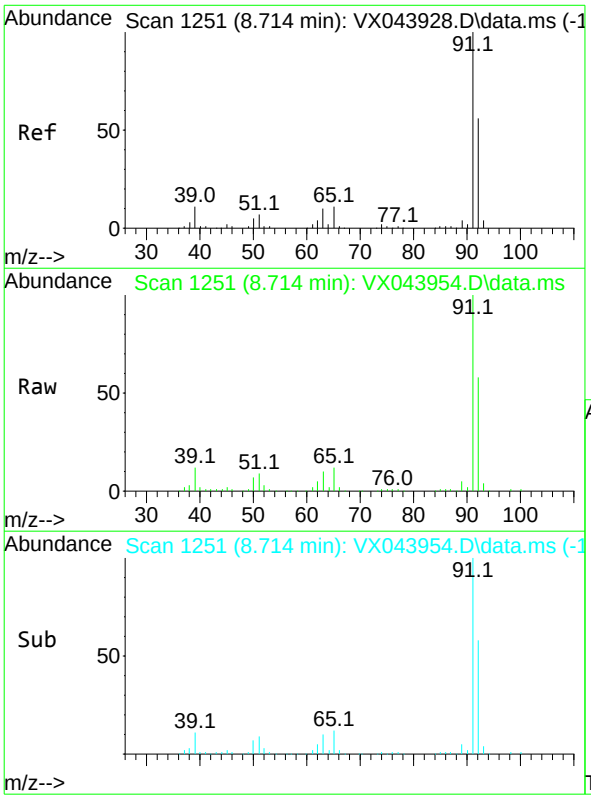
Ion	Ratio	Lower	Upper
43	100		
58	36.4	30.0	45.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

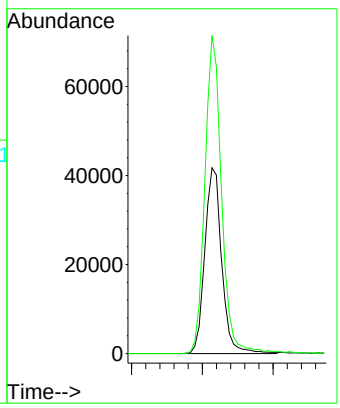
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

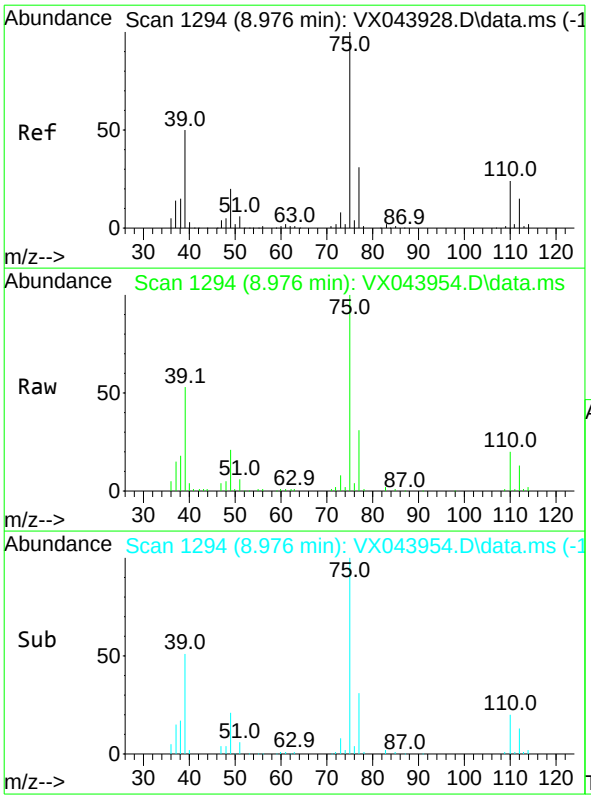


#52
Toluene
Concen: 21.356 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 92 Resp: 69441

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.7	209.5

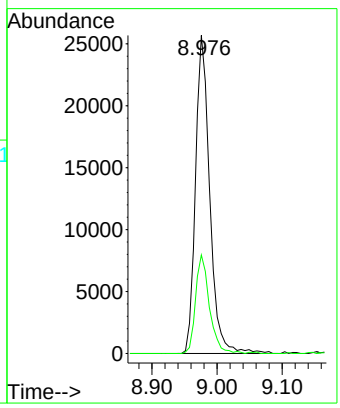




#53
t-1,3-Dichloropropene
Concen: 20.285 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 39050

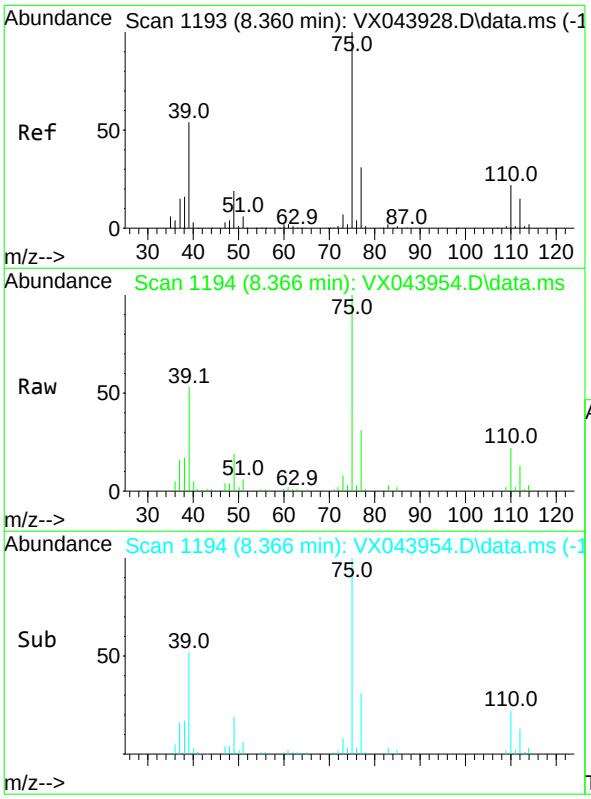
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

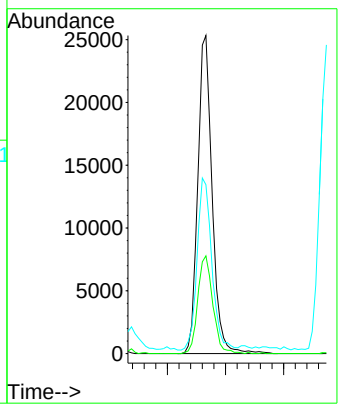
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

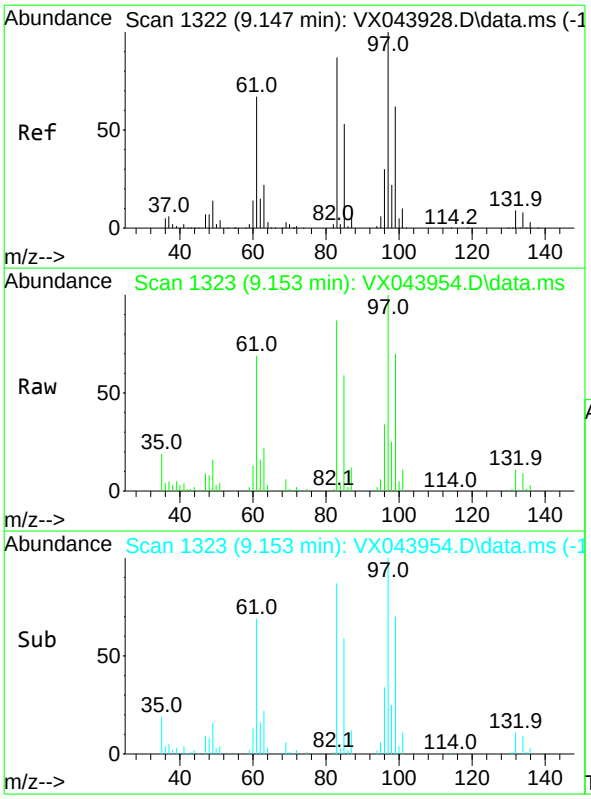


#54
cis-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 43430

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	52.0	43.1	64.7

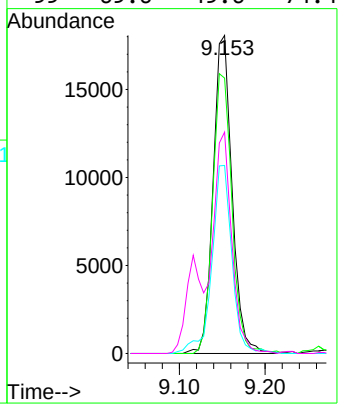




#55
1,1,2-Trichloroethane
Concen: 20.697 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 97 Resp: 27781

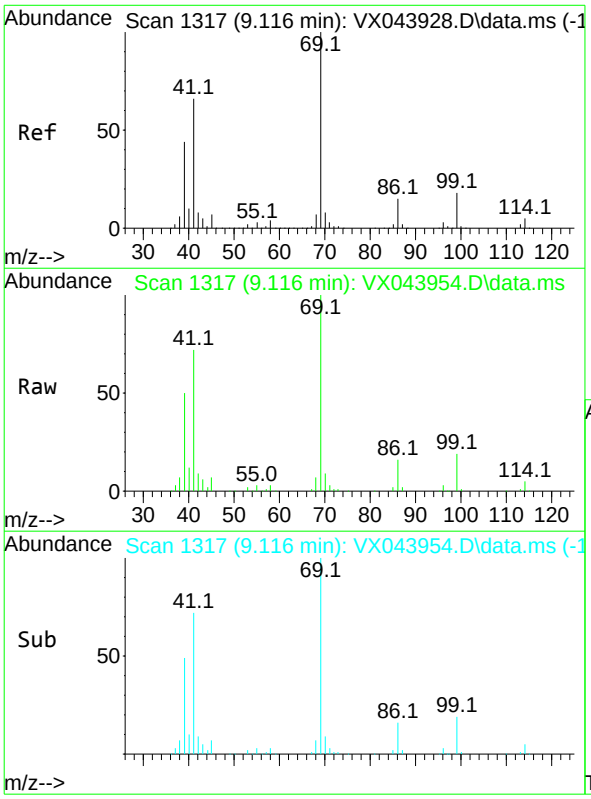
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.0
85	58.8	42.3	63.5
99	69.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

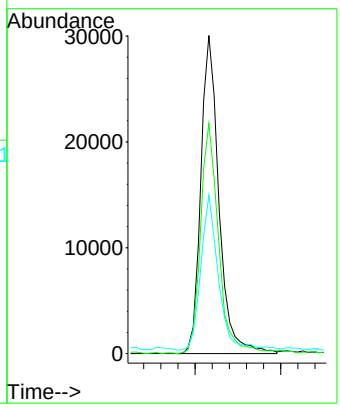
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

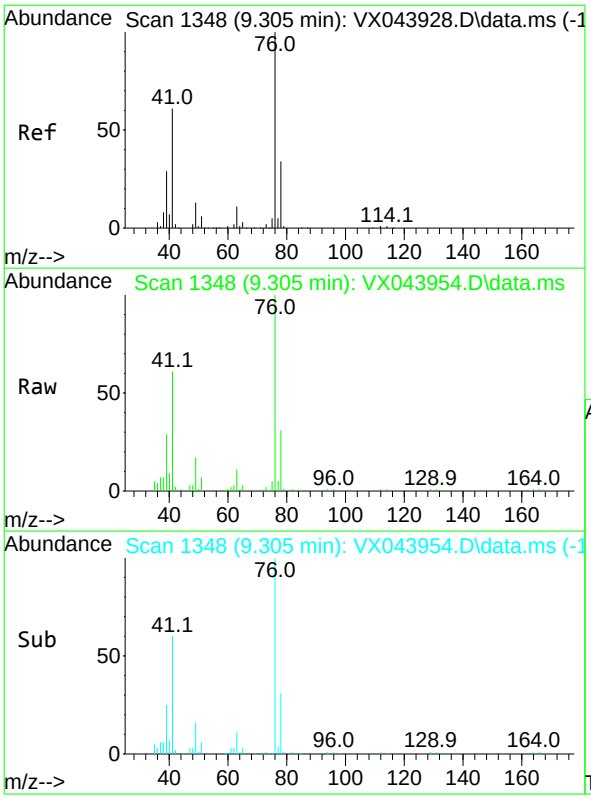


#56
Ethyl methacrylate
Concen: 21.098 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 69 Resp: 44109

Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.8	83.8
39	47.9	36.7	55.1

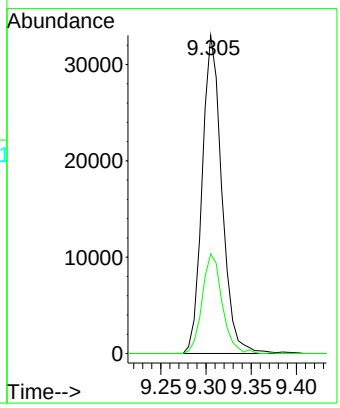




#57
1,3-Dichloropropane
Concen: 22.042 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 76 Resp: 49838

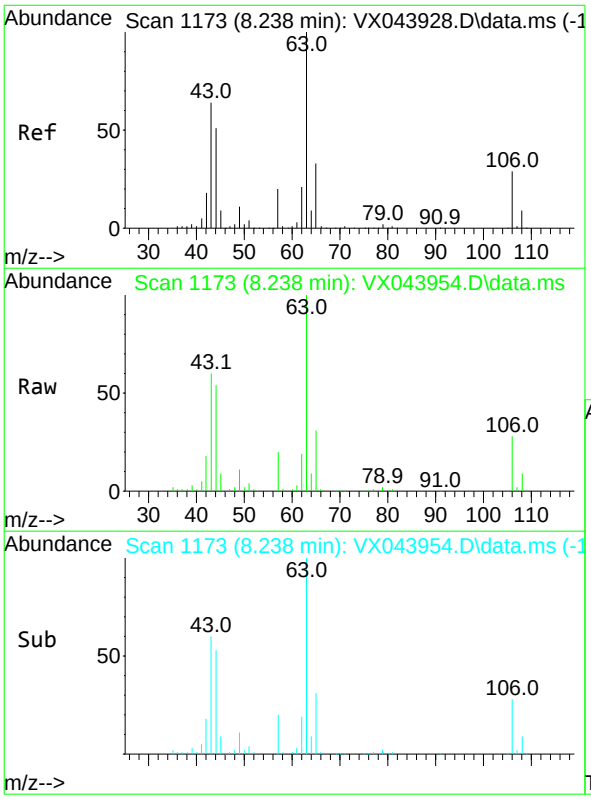
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

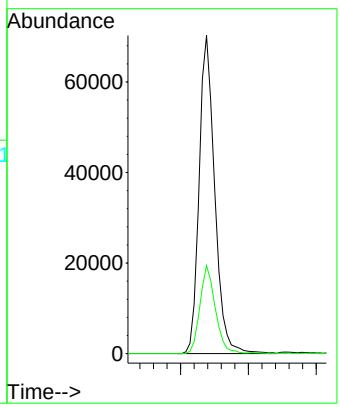
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

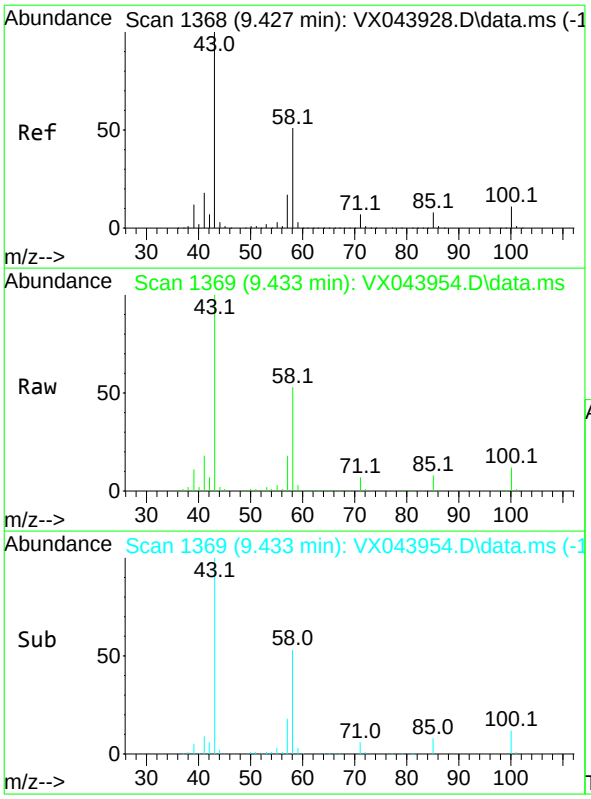


#58
2-Chloroethyl Vinyl ether
Concen: 97.143 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 112089

Ion	Ratio	Lower	Upper
63	100		
106	27.3	23.0	34.6

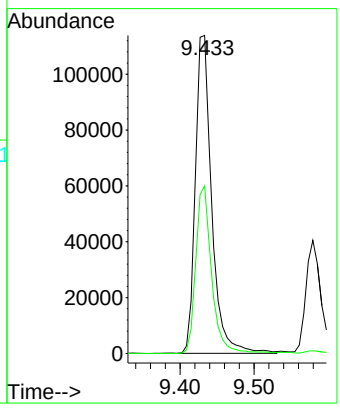




#59
2-Hexanone
Concen: 110.568 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 174736

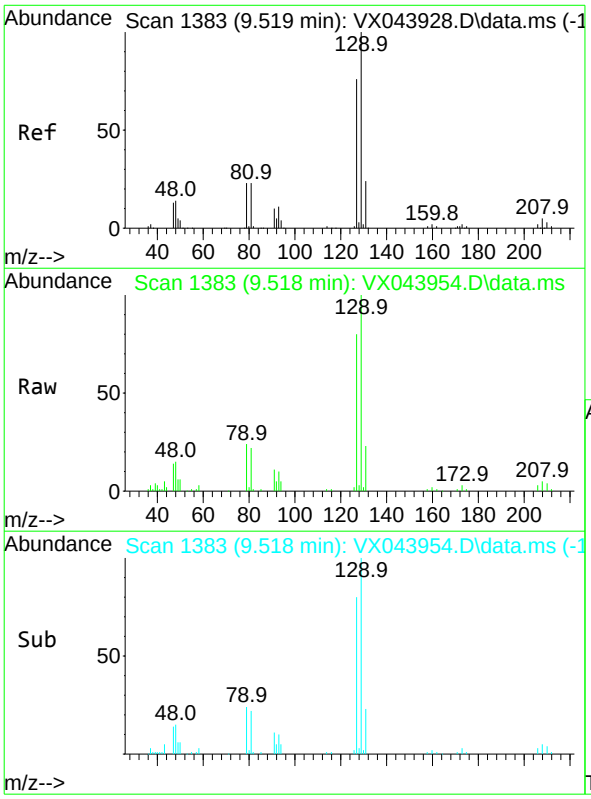
Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

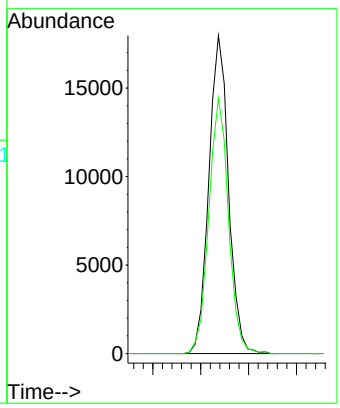
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

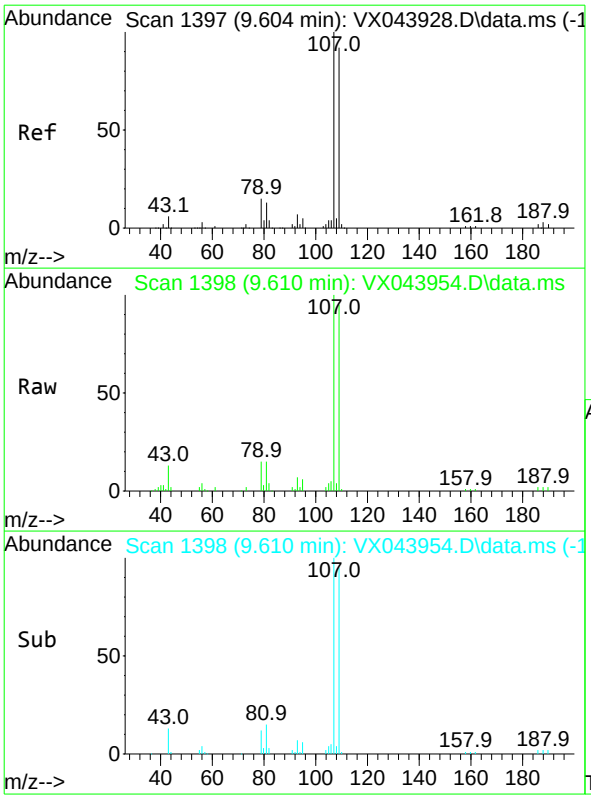


#60
Dibromochloromethane
Concen: 19.071 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:129 Resp: 25683

Ion	Ratio	Lower	Upper
129	100		
127	80.5	38.2	114.6

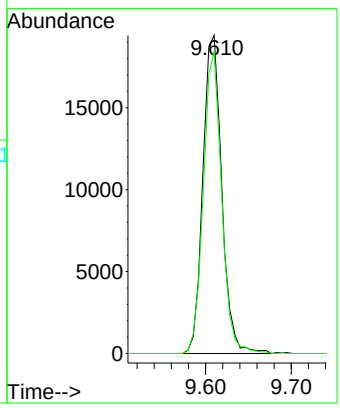




#61
1,2-Dibromoethane
Concen: 21.936 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:107 Resp: 29772

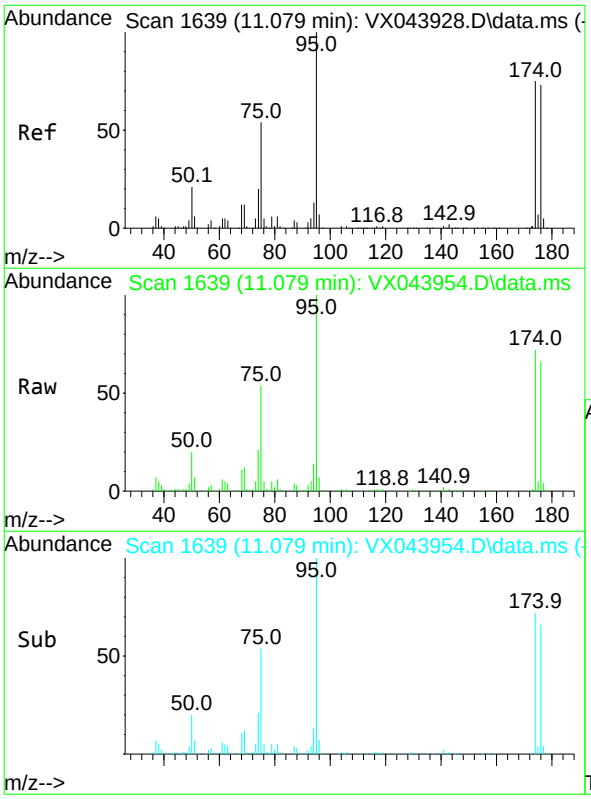
Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.2	112.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

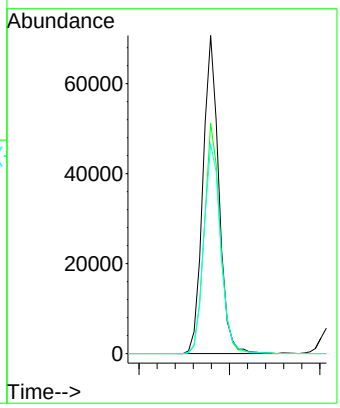
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

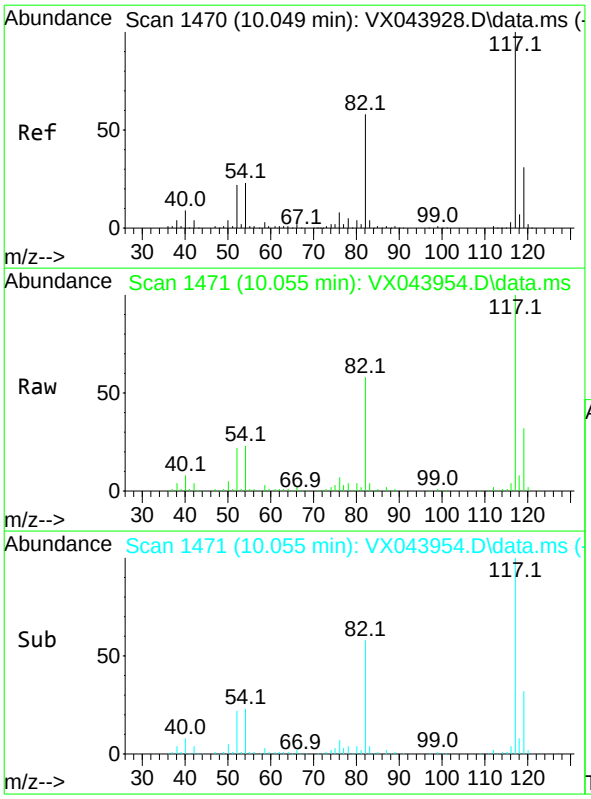


#62
4-Bromofluorobenzene
Concen: 52.669 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 95 Resp: 86479

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	150.4
176	69.4	0.0	146.0

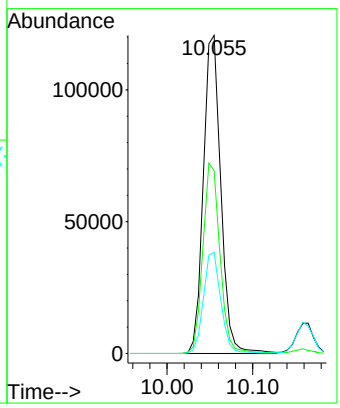




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:117 Resp: 171011

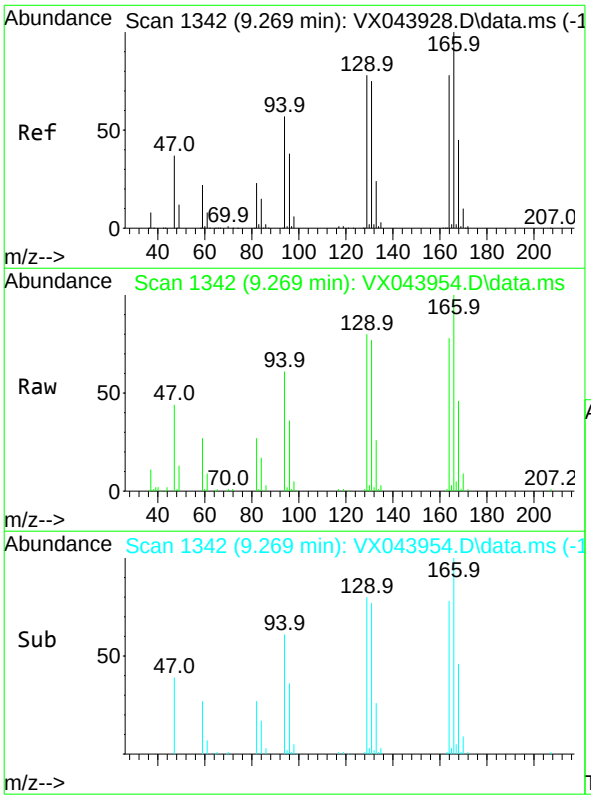
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.4	69.6
119	31.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

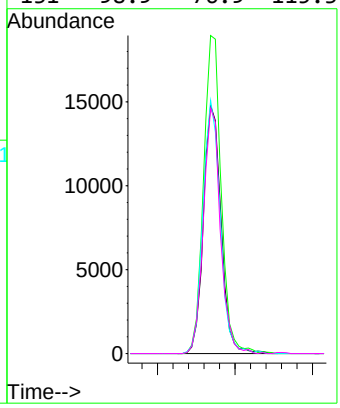
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

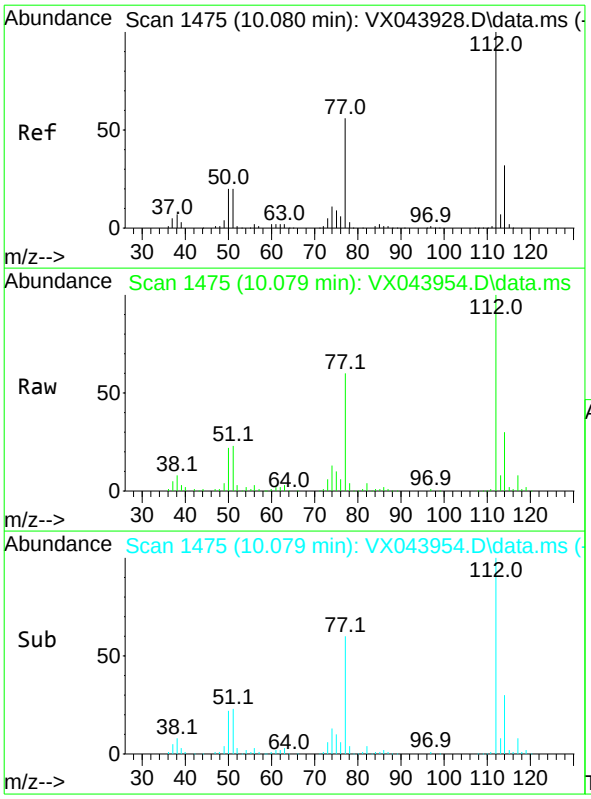


#64
Tetrachloroethene
Concen: 20.722 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:164 Resp: 23366

Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.1	153.1
129	102.0	79.6	119.4
131	98.9	76.9	115.3





#65
Chlorobenzene
Concen: 19.949 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

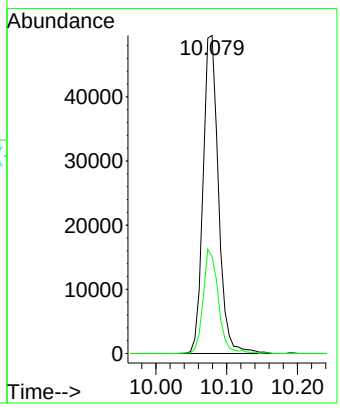
Tgt Ion:112 Resp: 74928

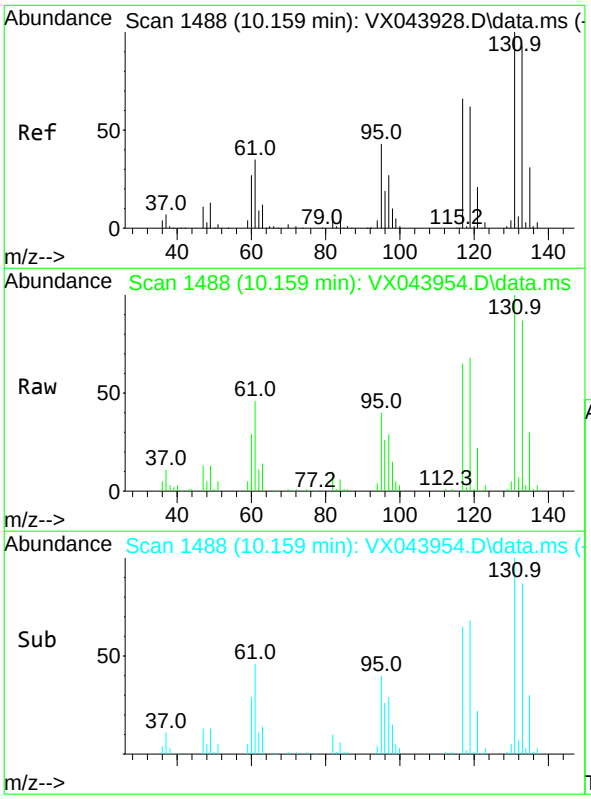
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

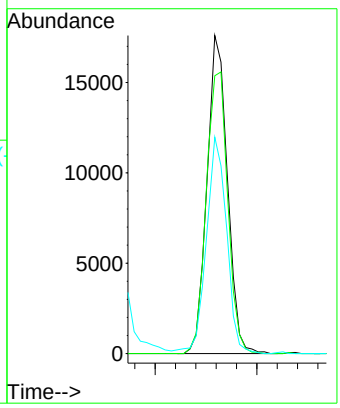


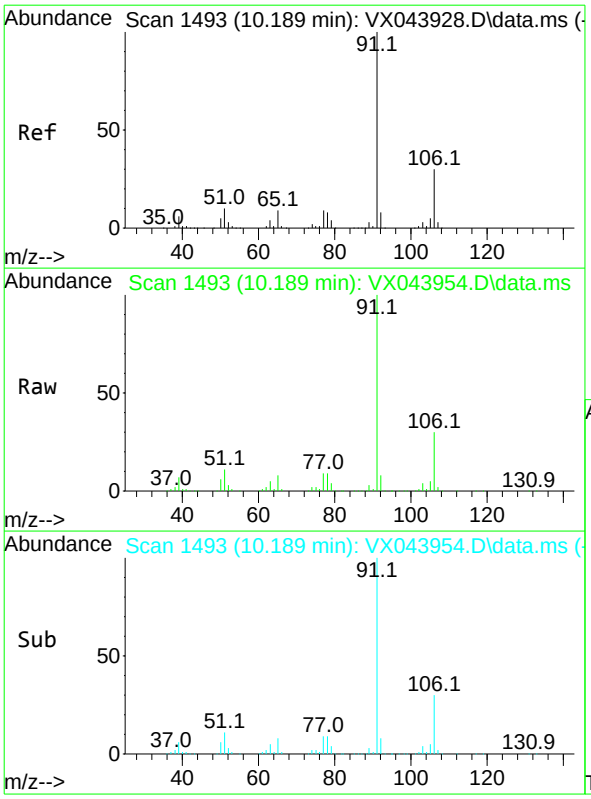


#66
1,1,1,2-Tetrachloroethane
Concen: 20.143 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:131 Resp: 24536

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.2	144.6
119	67.5	31.5	94.5





#67
Ethyl Benzene
Concen: 20.429 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

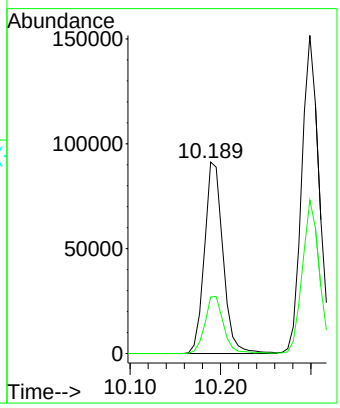
Tgt Ion: 91 Resp: 130020

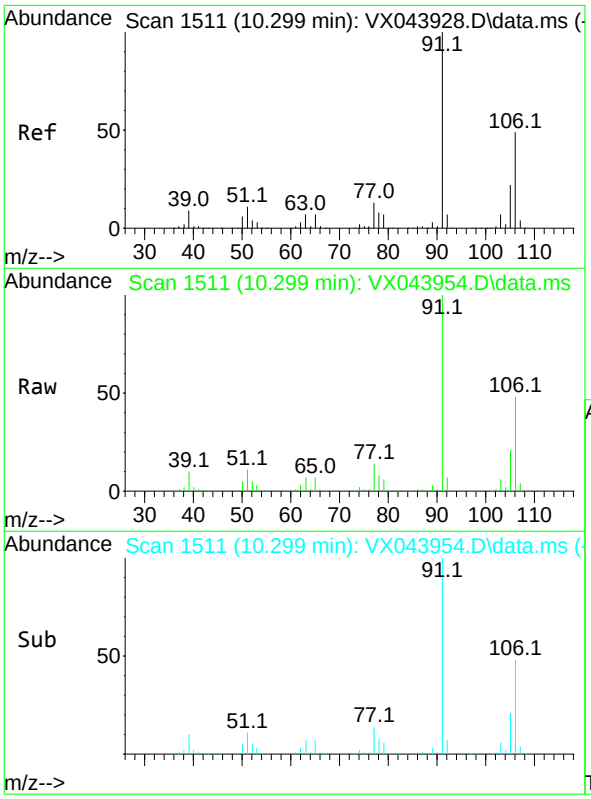
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

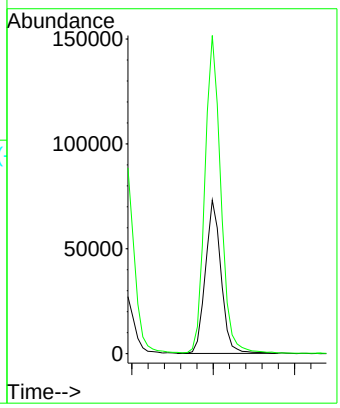


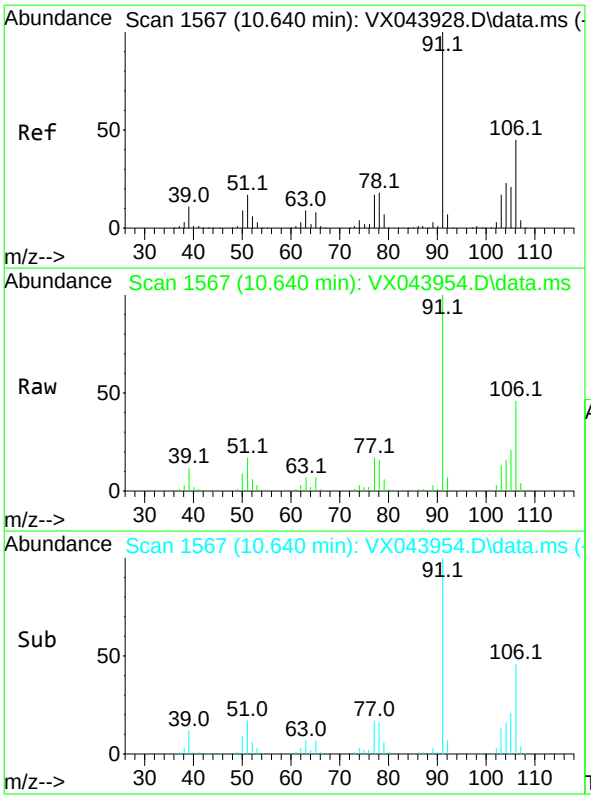


#68
m/p-Xylenes
Concen: 40.881 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:106 Resp: 97028

Ion	Ratio	Lower	Upper
106	100		
91	212.2	168.1	252.1

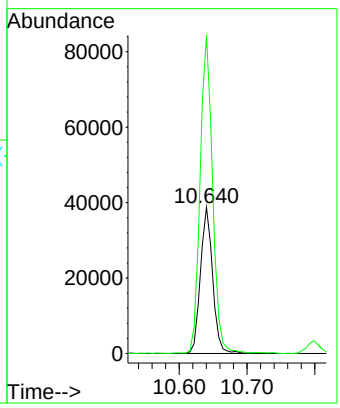




#69
o-Xylene
Concen: 20.920 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:106 Resp: 48479

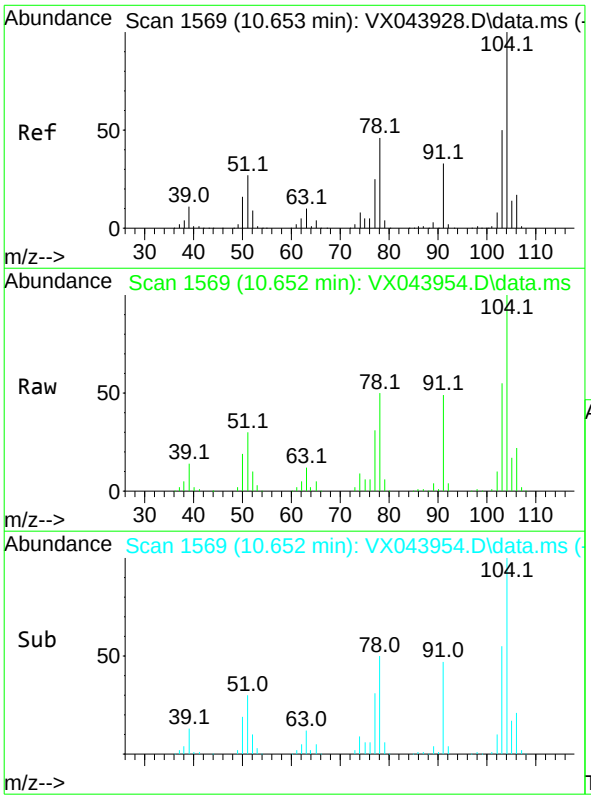
Ion	Ratio	Lower	Upper
106	100		
91	222.2	110.2	330.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

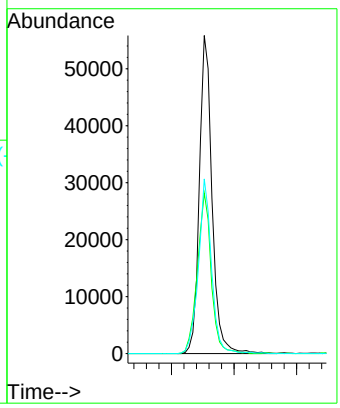
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

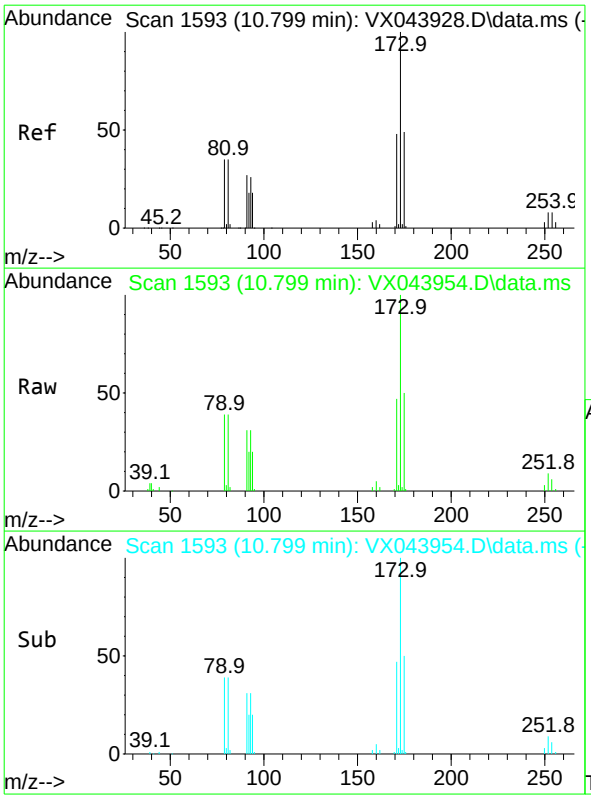


#70
Styrene
Concen: 20.503 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:104 Resp: 78583

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.2	63.2
103	56.9	44.7	67.1

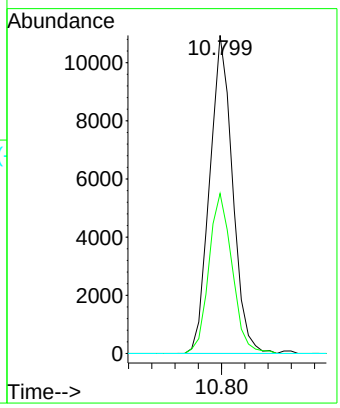




#71
Bromoform
Concen: 17.533 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:173 Resp: 14931

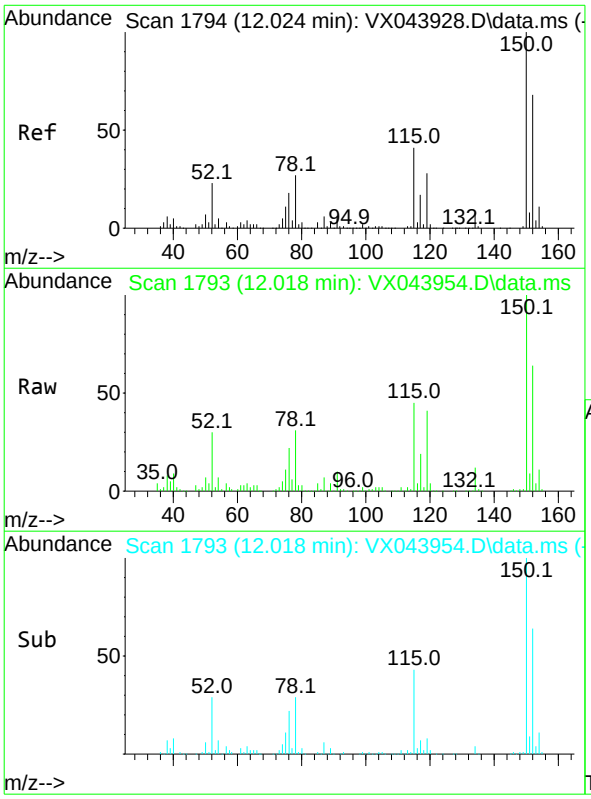
Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.1	72.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

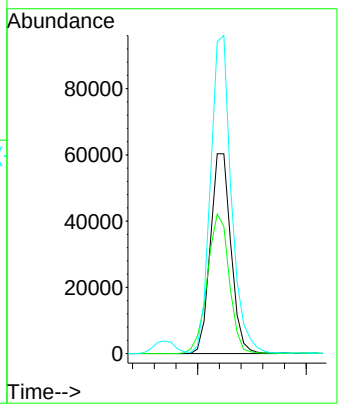
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

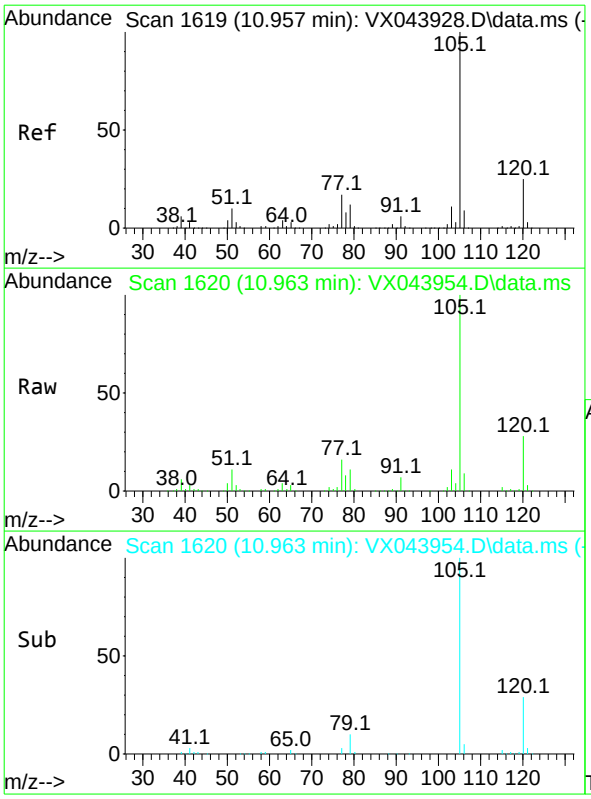


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:152 Resp: 79397

Ion	Ratio	Lower	Upper
152	100		
115	74.4	45.4	136.2
150	161.9	0.0	353.0

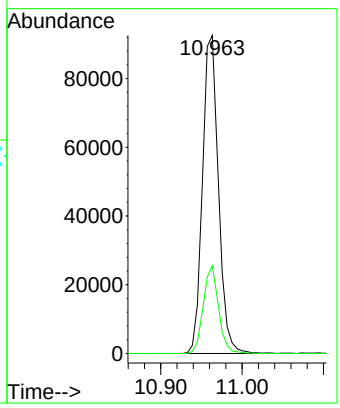




#73
Isopropylbenzene
Concen: 20.617 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 125832

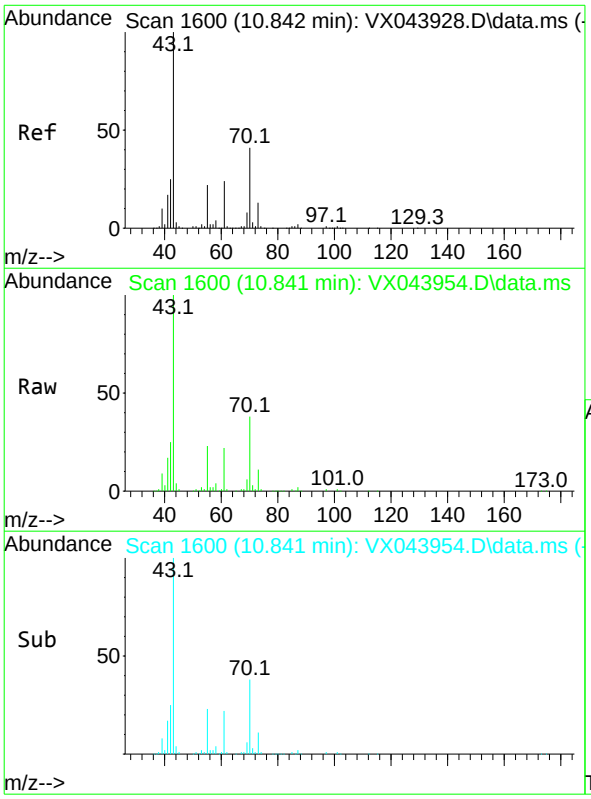
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

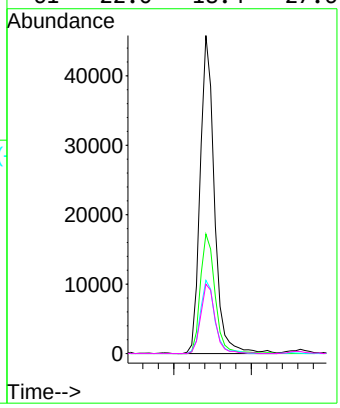
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

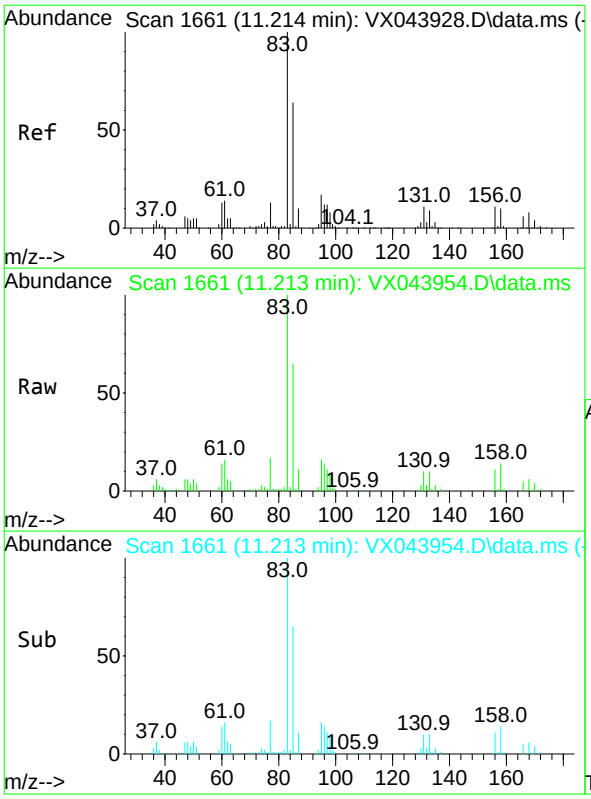


#74
N-amyl acetate
Concen: 20.692 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 58504

Ion	Ratio	Lower	Upper
43	100		
70	38.7	32.2	48.2
55	23.3	18.1	27.1
61	22.0	18.4	27.6

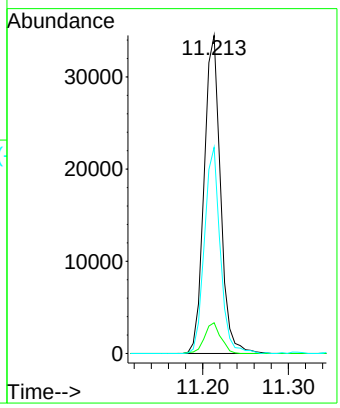




#75
1,1,2,2-Tetrachloroethane
Concen: 21.909 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 83 Resp: 45786

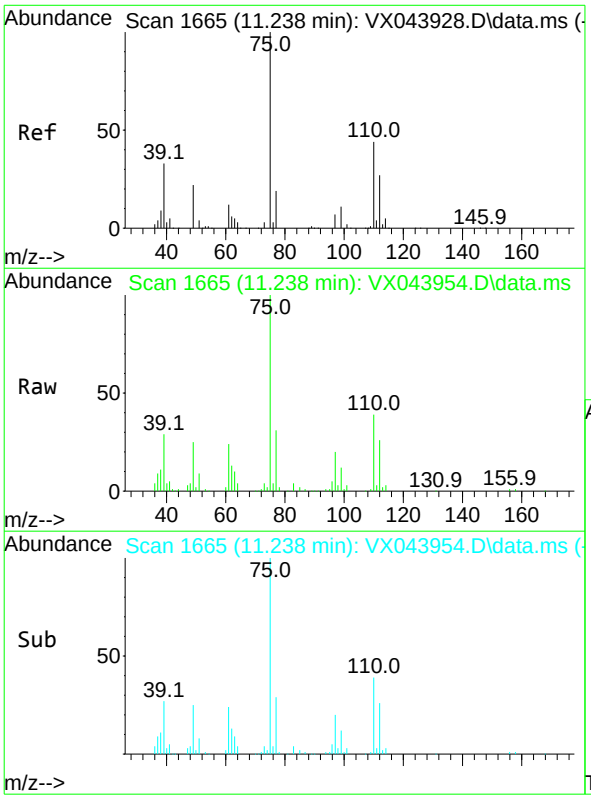
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.2
85	62.7	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

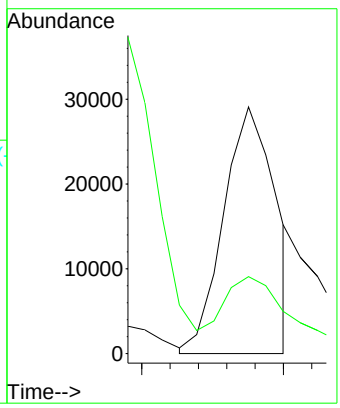
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

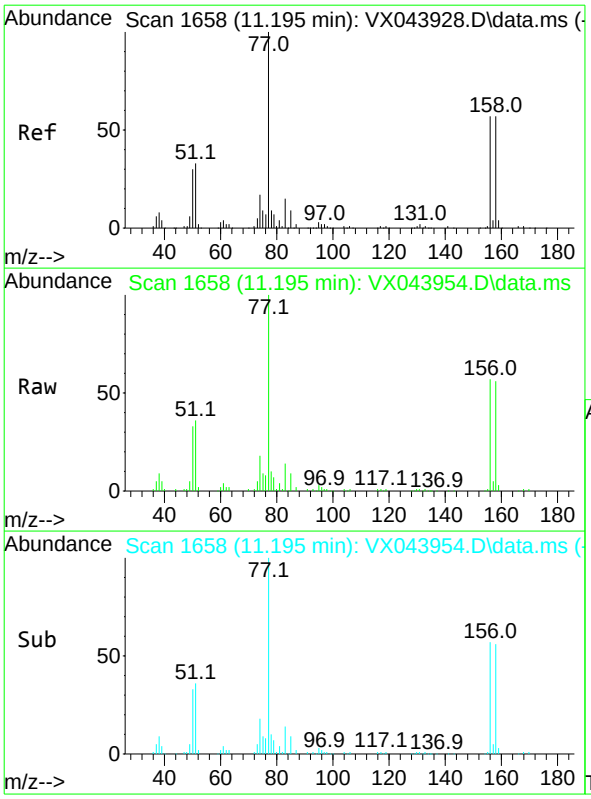


#76
1,2,3-Trichloropropane
Concen: 21.361 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 37193

Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.8	65.3

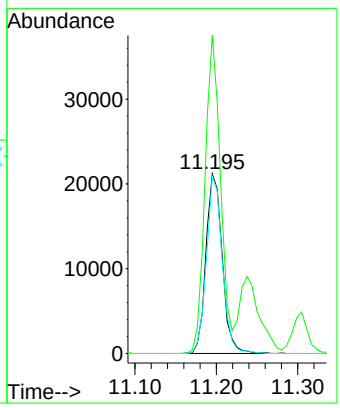




#77
Bromobenzene
Concen: 20.201 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:156 Resp: 29411

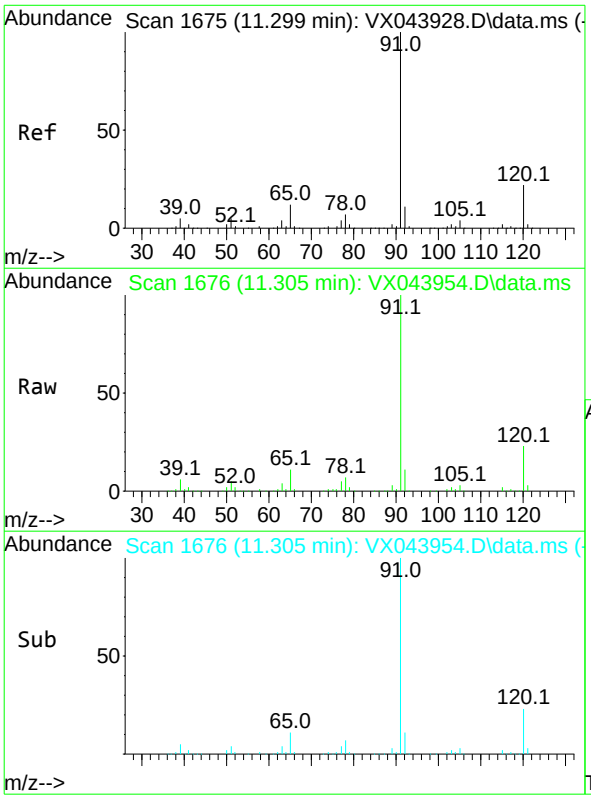
Ion	Ratio	Lower	Upper
156	100		
77	168.8	83.4	250.1
158	96.3	47.6	142.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

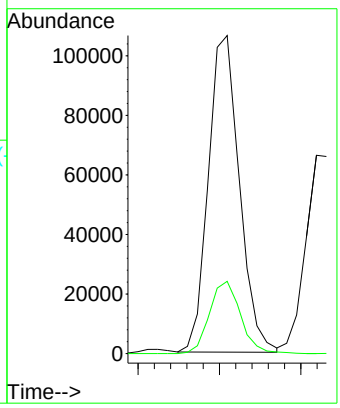
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

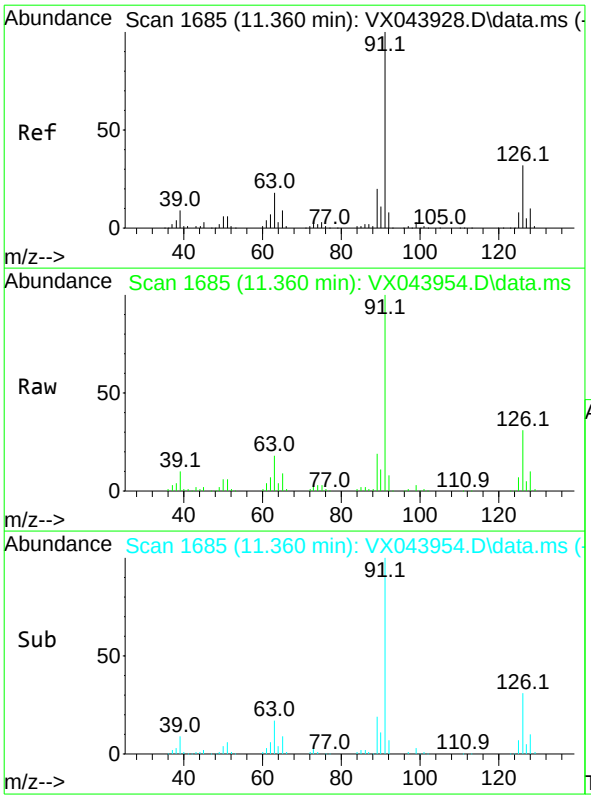


#78
n-propylbenzene
Concen: 20.700 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 141102

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4

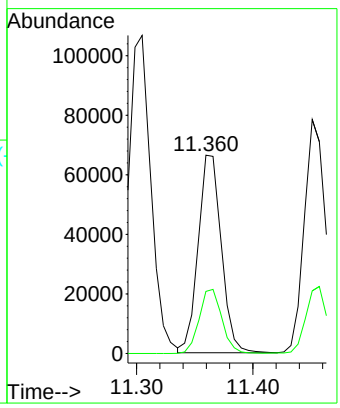




#79
2-Chlorotoluene
Concen: 21.366 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 92095

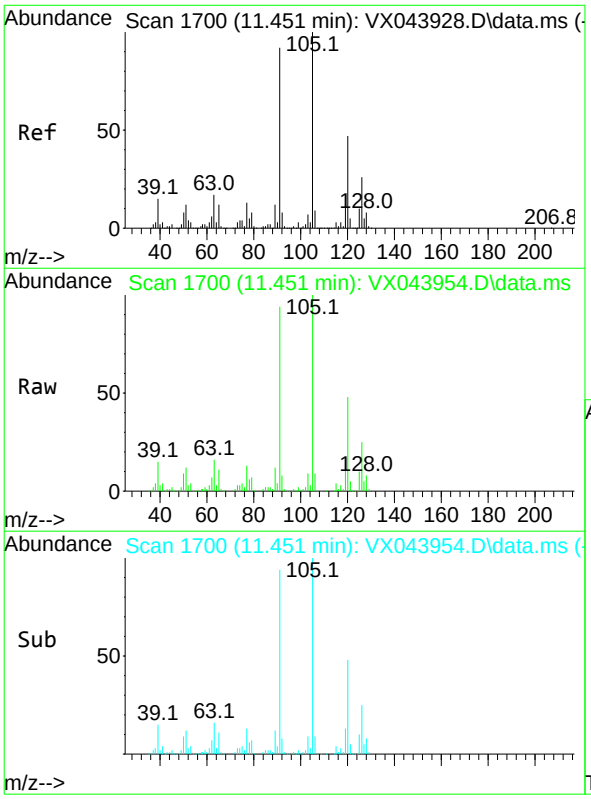
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

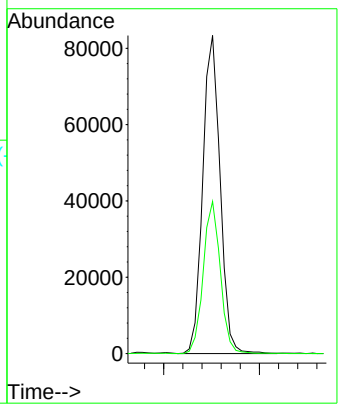
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

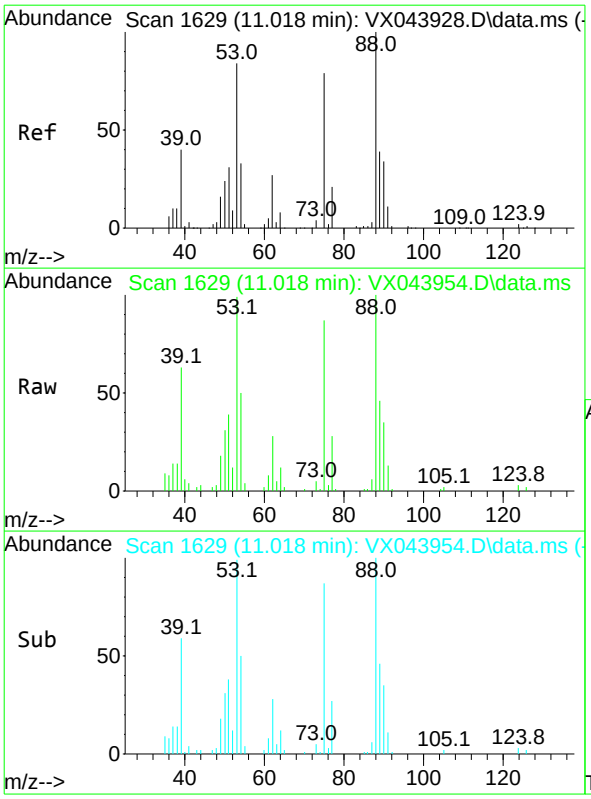


#80
1,3,5-Trimethylbenzene
Concen: 20.914 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 105010

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.3	69.8

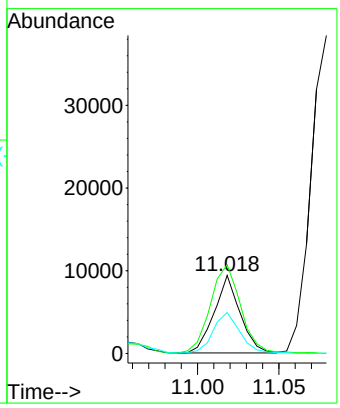




#81
trans-1,4-Dichloro-2-butene
Concen: 16.224 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 10352

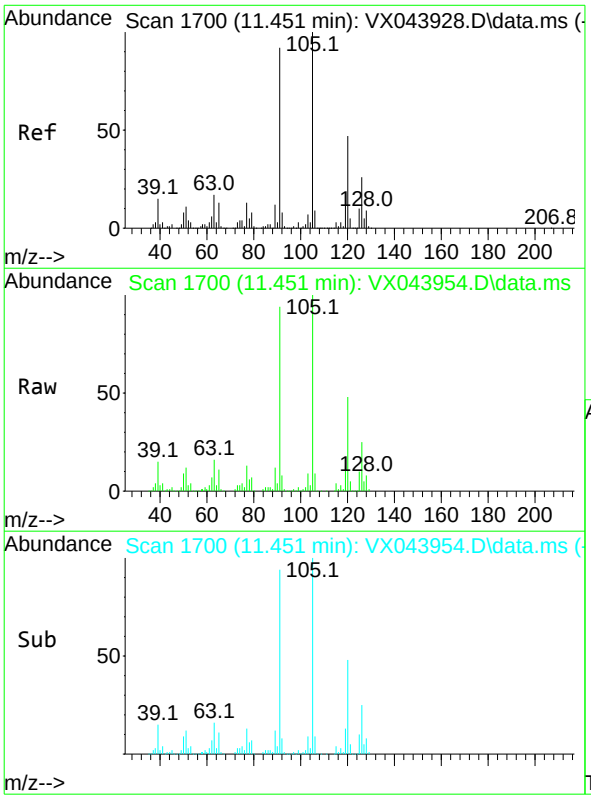
Ion	Ratio	Lower	Upper
75	100		
53	136.0	86.7	130.1#
89	55.7	38.2	57.2



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

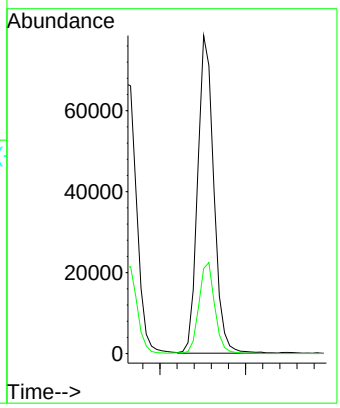
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

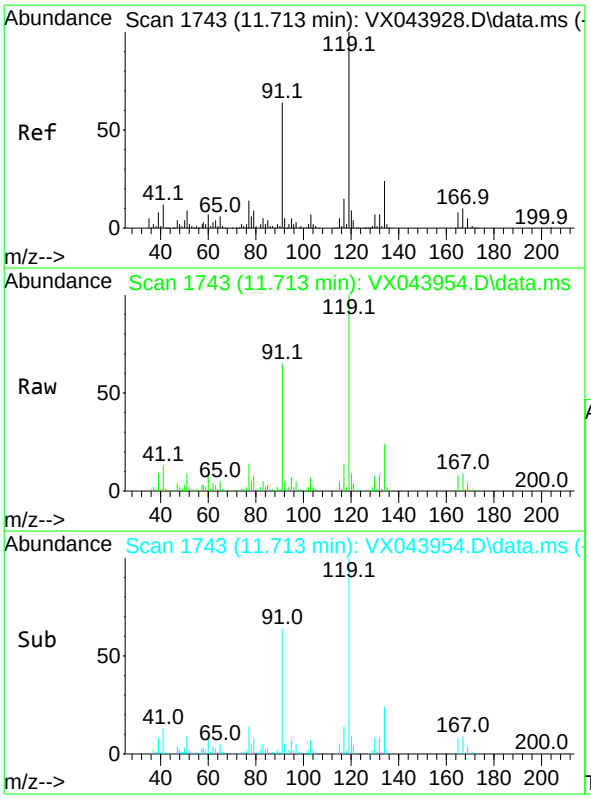


#82
4-Chlorotoluene
Concen: 21.075 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 102553

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.3	42.9

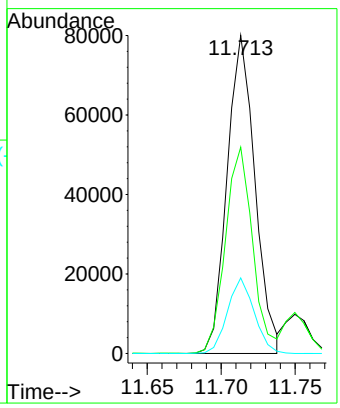




#83
tert-Butylbenzene
Concen: 21.086 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:119 Resp: 104939

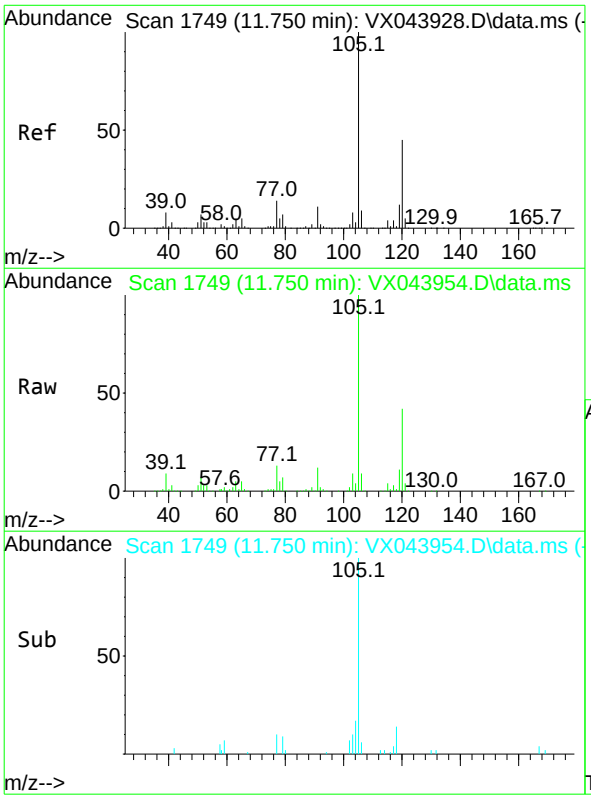
Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.0	93.0
134	22.8	11.6	34.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

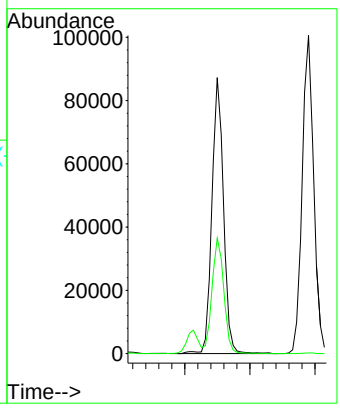
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

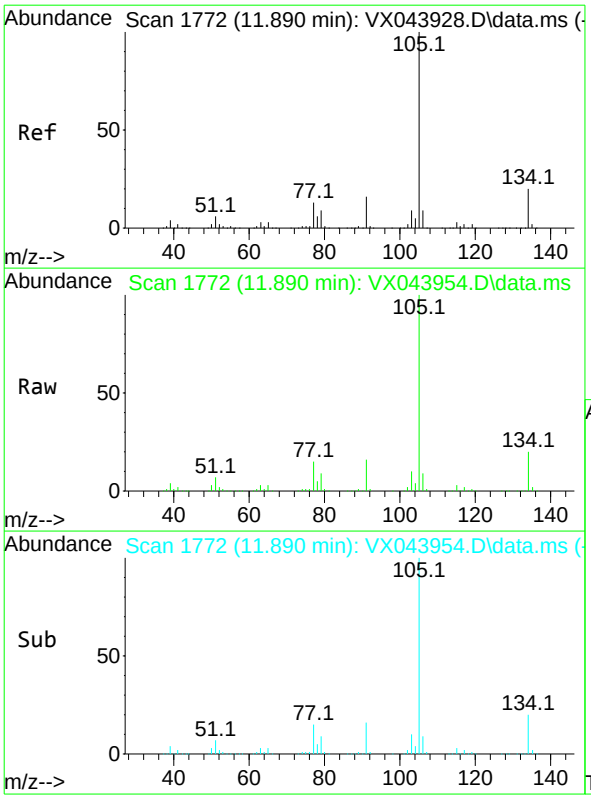


#84
1,2,4-Trimethylbenzene
Concen: 21.541 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 107681

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.7

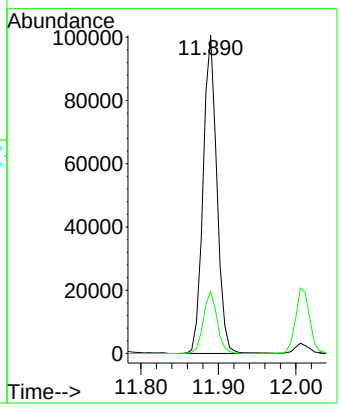




#85
sec-Butylbenzene
Concen: 20.336 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 124001

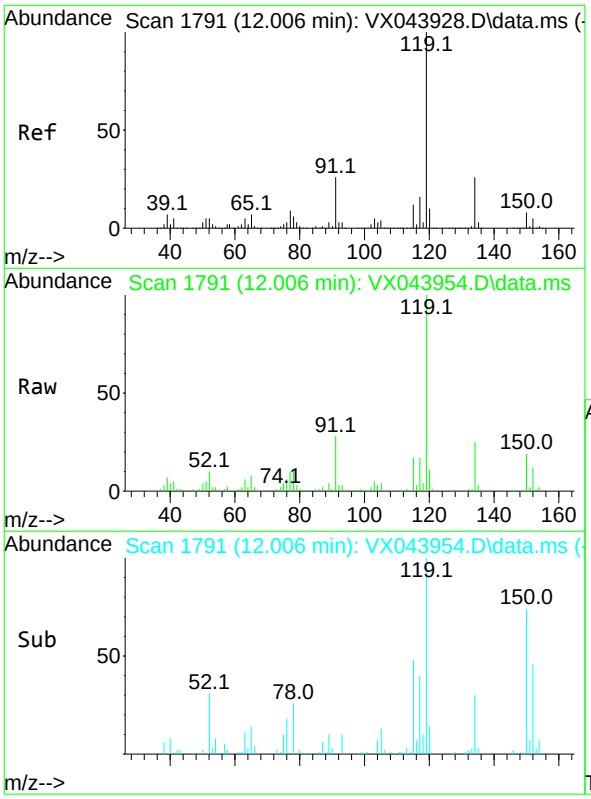
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

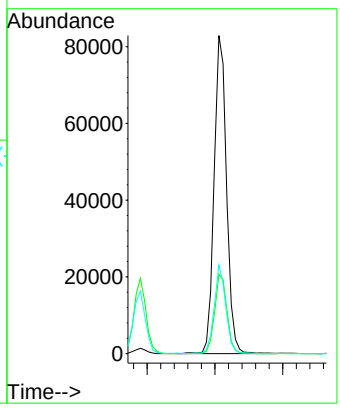
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

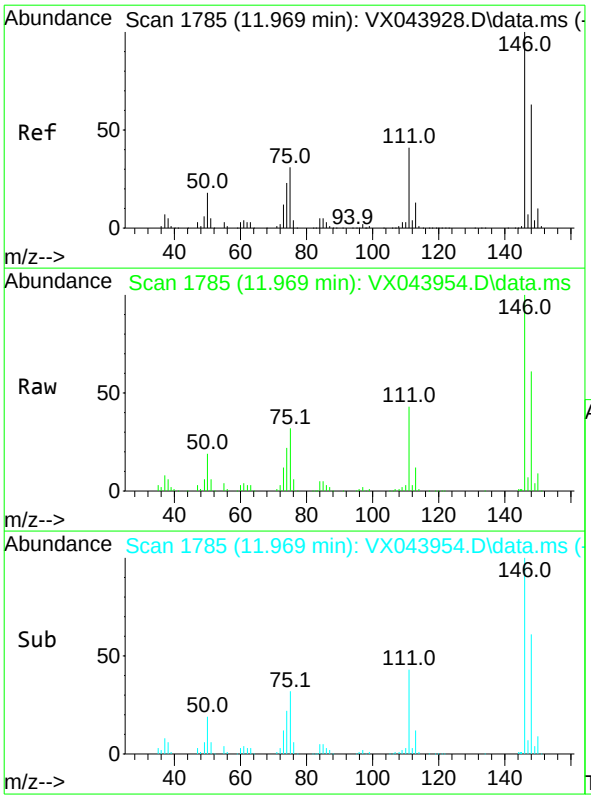


#86
p-Isopropyltoluene
Concen: 21.303 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:119 Resp: 105513

Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	38.9
91	25.8	13.0	38.9

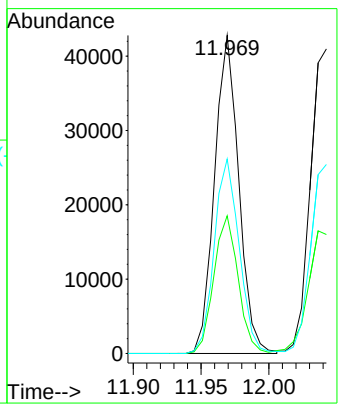




#87
1,3-Dichlorobenzene
Concen: 20.061 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:146 Resp: 53195

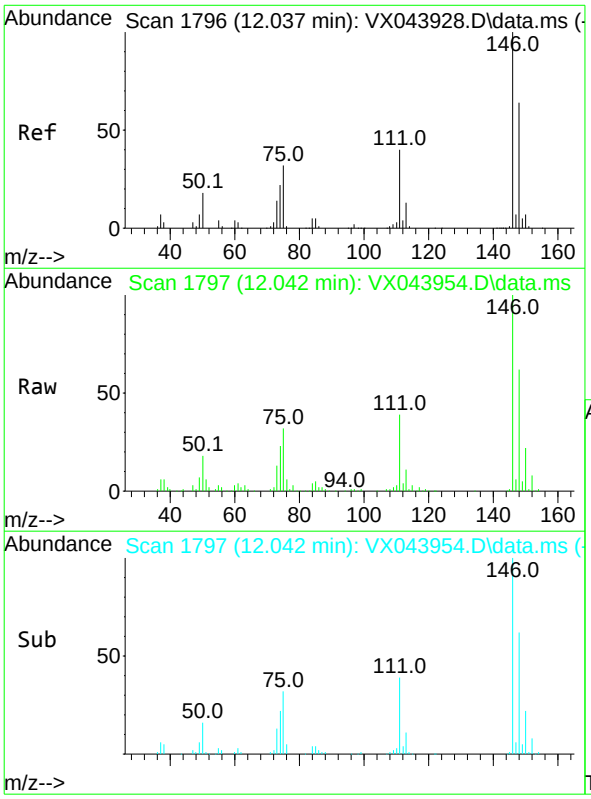
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.3
148	63.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

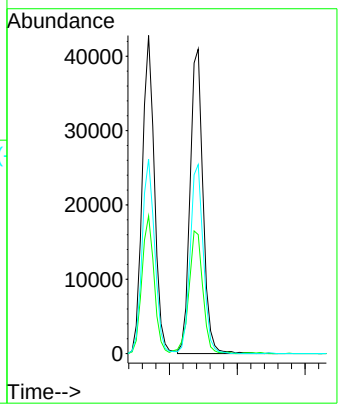
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

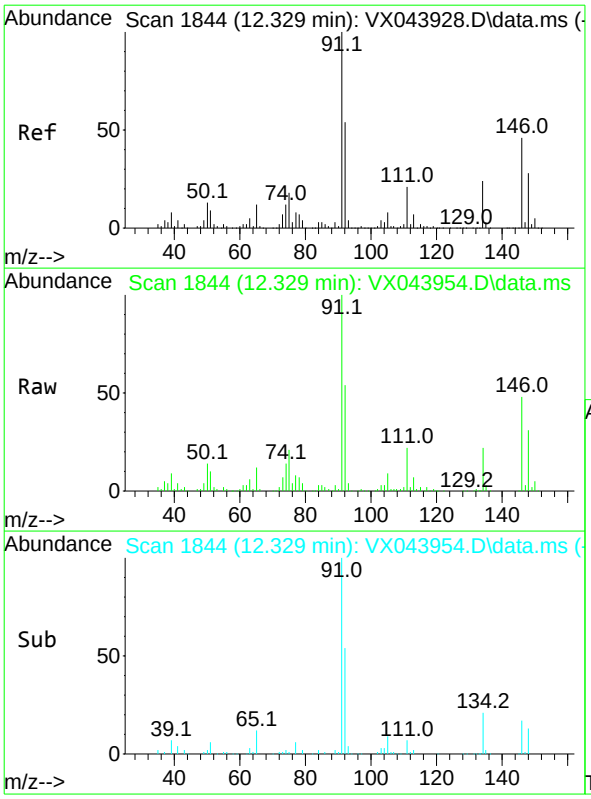


#88
1,4-Dichlorobenzene
Concen: 20.076 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:146 Resp: 54275

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.1	60.3
148	62.9	30.9	92.8





#89
n-Butylbenzene
Concen: 20.384 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

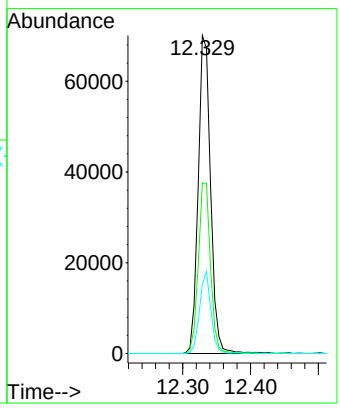
Tgt Ion: 91 Resp: 89016

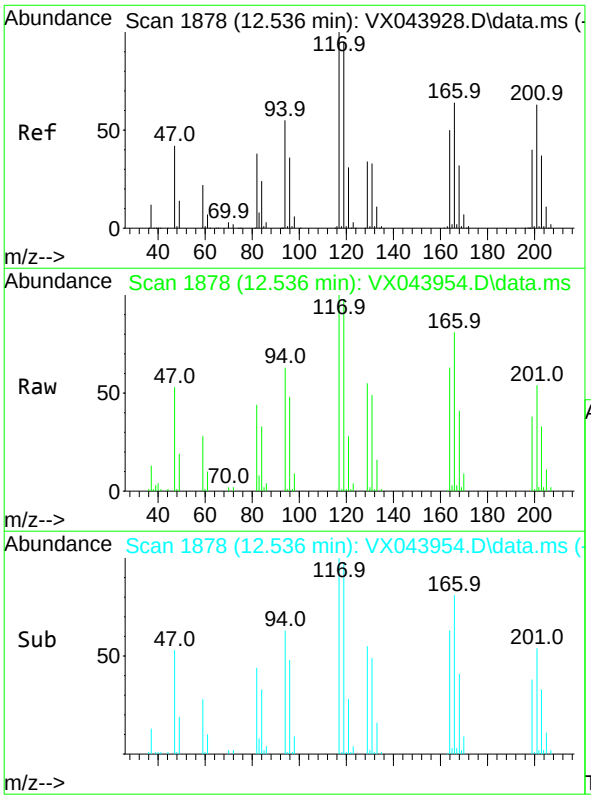
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.8
134	23.4	12.4	37.2

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

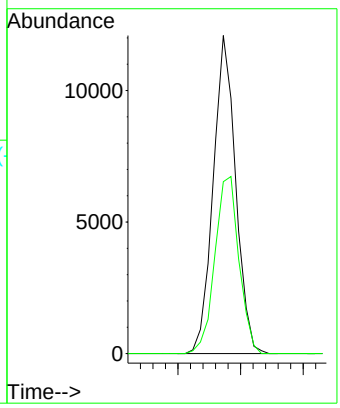


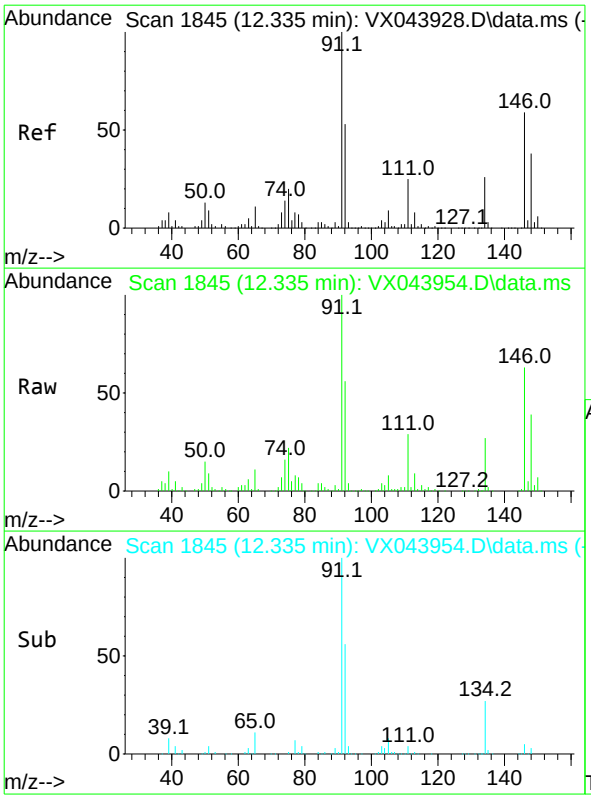


#90
Hexachloroethane
Concen: 17.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:117 Resp: 15072

Ion	Ratio	Lower	Upper
117	100		
201	59.8	32.4	97.0





#91
1,2-Dichlorobenzene
Concen: 20.688 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

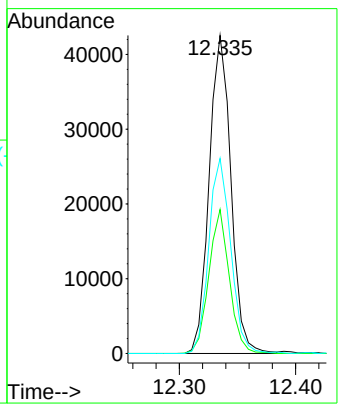
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

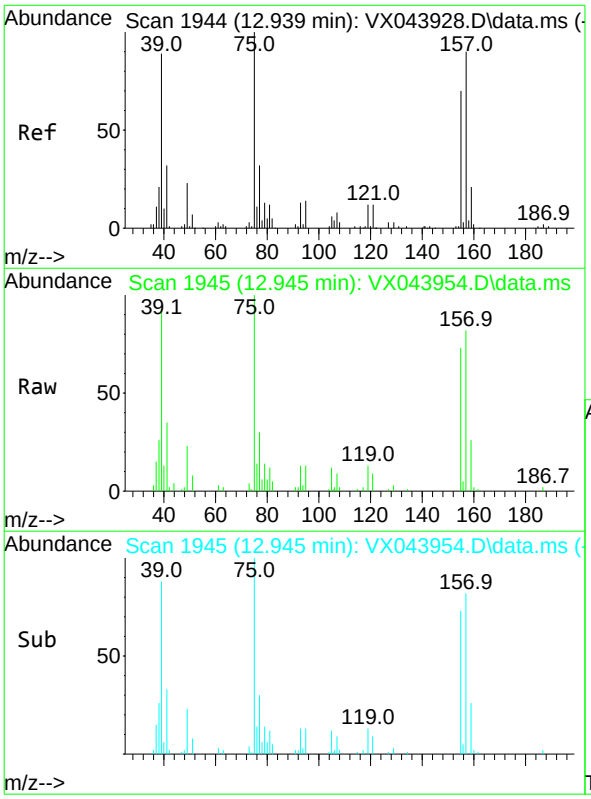
Tgt Ion:146 Resp: 55361

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	62.1	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

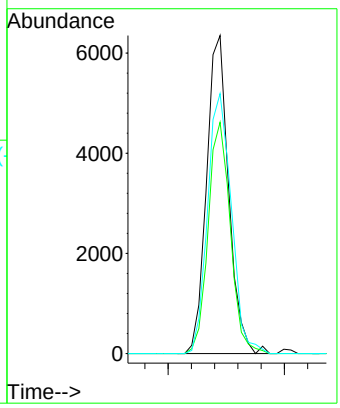


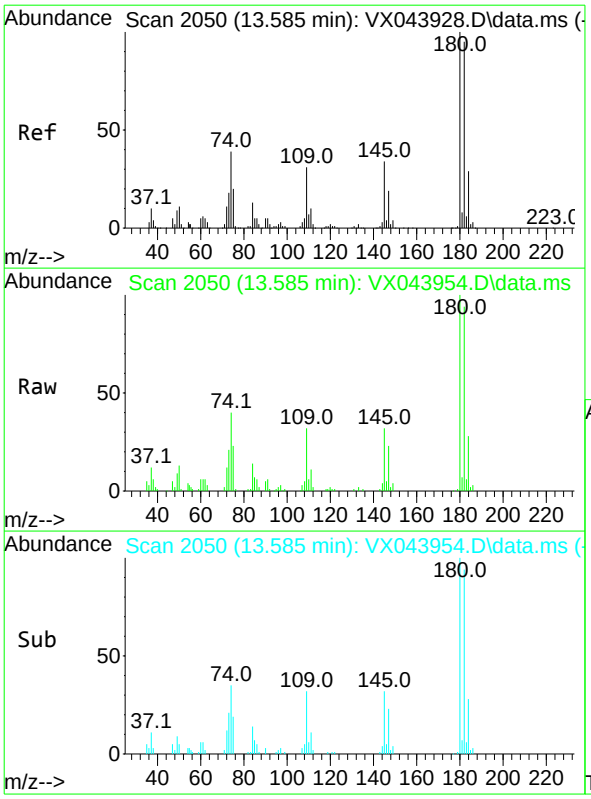


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.036 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 8390

Ion	Ratio	Lower	Upper
75	100		
155	73.0	40.1	120.2
157	88.1	49.6	149.0

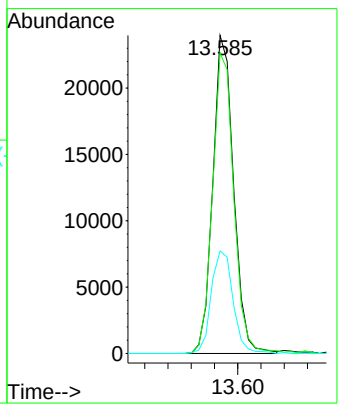




#93
1,2,4-Trichlorobenzene
Concen: 18.864 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:180 Resp: 29761

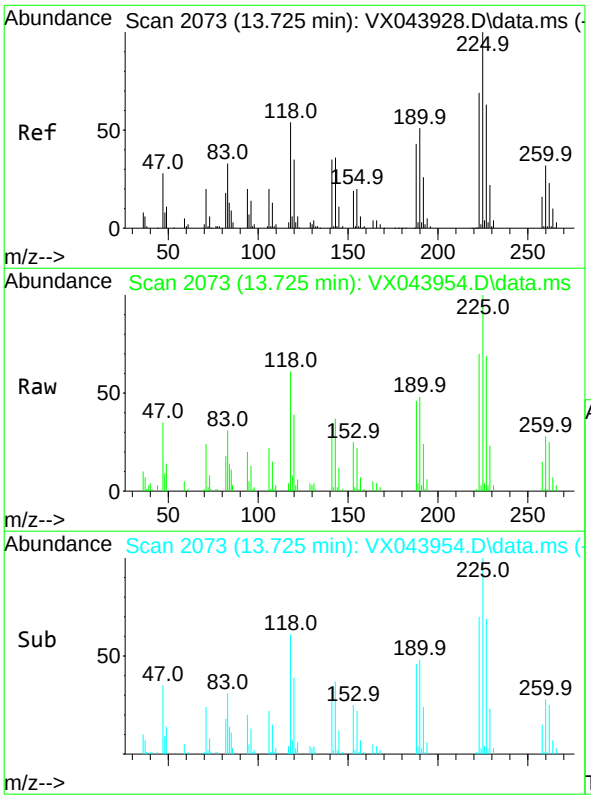
Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.2
145	33.9	16.8	50.4



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations APPROVED

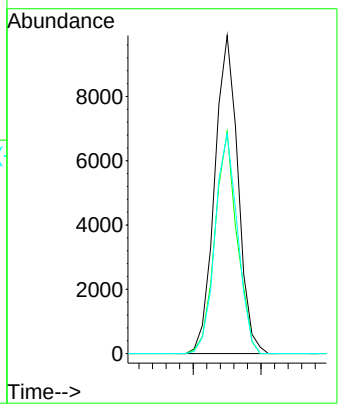
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

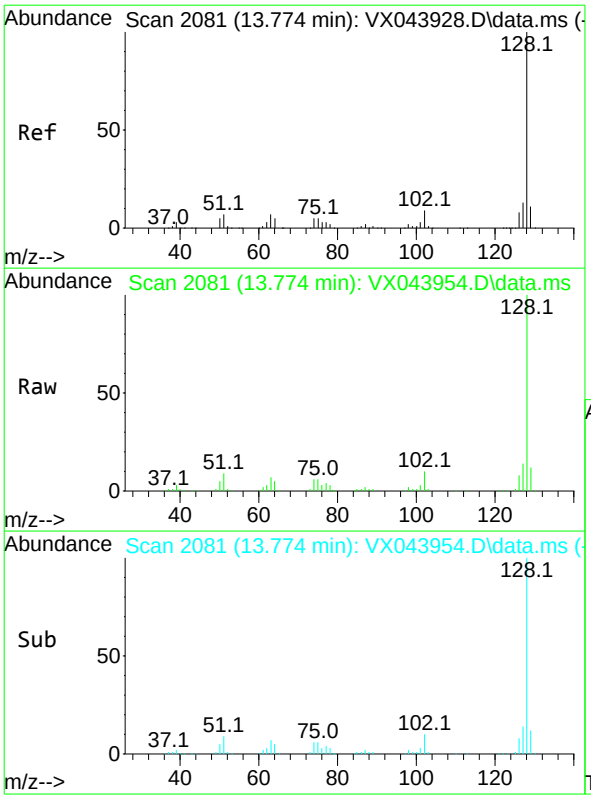


#94
Hexachlorobutadiene
Concen: 18.958 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:225 Resp: 11821

Ion	Ratio	Lower	Upper
225	100		
223	66.0	32.9	98.6
227	66.8	31.6	94.8

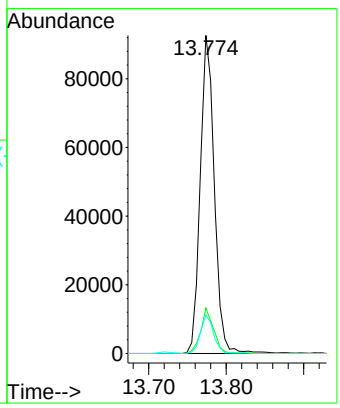




#95
Naphthalene
Concen: 20.640 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:128 Resp: 117216

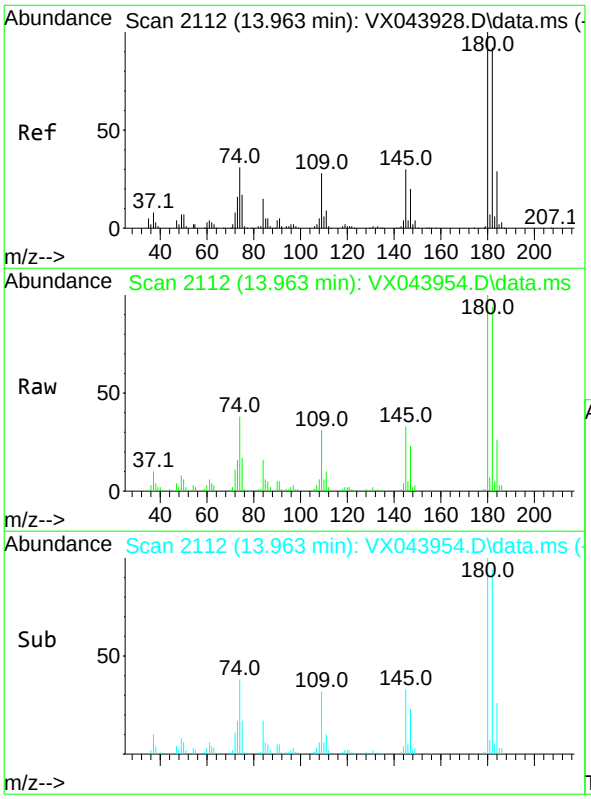
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.4	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Manual Integrations
APPROVED

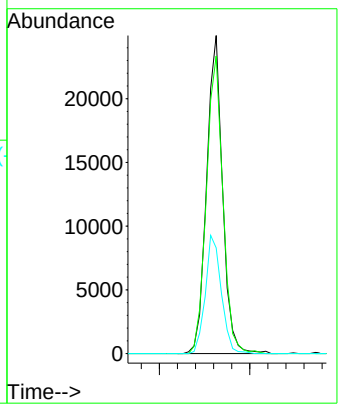
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.151 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:180 Resp: 30581

Ion	Ratio	Lower	Upper
180	100		
182	96.9	45.6	136.8
145	37.1	16.4	49.4



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

Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX043923.D	1,2,3-Trichloropropane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICV050	VX043923.D	1,4-Dioxane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,4-Dichlorobenzene	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Bromochloromethane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Ethyl Acetate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methacrylonitrile	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methyl methacrylate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,4-Dioxane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Ethyl Acetate	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Tert butyl alcohol	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC020	VX043927.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX043927.D	1,4-Dioxane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,4-Dioxane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,4-Dioxane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC150	VX043930.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:26 AM	MMDadoda	11/22/2024 3:33:50 PM	Peak Integrated by Software
VSTDICV050	VX043932.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:30 AM	MMDadoda	11/22/2024 3:33:52 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX112224	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043950.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:19 AM	MMDadoda	11/25/2024 2:02:34 PM	Peak Integrated by Software
VX1122WBS01	VX043953.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:23 AM	MMDadoda	11/25/2024 2:02:33 PM	Peak Integrated by Software
VX1122WBSD01	VX043954.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:27 AM	MMDadoda	11/25/2024 2:02:35 PM	Peak Integrated by Software
VSTDCCC050	VX043975.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:48:49 AM	MMDadoda	11/25/2024 2:02:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX112524	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043977.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:34 AM	SAM	11/26/2024 9:46:59 AM	Peak Integrated by Software
VX1125WBS01	VX043980.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:35 AM	SAM	11/26/2024 9:46:59 AM	Peak Integrated by Software
VSTDCCC050	VX044002.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:41 AM	SAM	11/26/2024 9:47:04 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX112624	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044004.D	1,2,3-Trichloropropane	SAM	11/27/2024 7:39:07 AM	MMDadoda	11/27/2024 7:40:29 AM	Peak Integrated by Software
VX1126WBS01	VX044007.D	1,2,3-Trichloropropane	SAM	11/27/2024 7:39:08 AM	MMDadoda	11/27/2024 7:40:31 AM	Peak Integrated by Software
VSTDCCC050	VX044022.D	1,2,3-Trichloropropane	SAM	11/27/2024 7:39:12 AM	MMDadoda	11/27/2024 7:40:34 AM	Peak Integrated by Software
VSTDCCC050	VX044022.D	1,4-Dioxane	SAM	11/27/2024 7:39:12 AM	MMDadoda	11/27/2024 7:40:34 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 # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043915.D	20 Nov 2024 15:43	JC/MD	Ok
2	VSTDICC001	VX043916.D	20 Nov 2024 16:11	JC/MD	Not Ok
3	VSTDICC005	VX043917.D	20 Nov 2024 16:57	JC/MD	Not Ok
4	VSTDICC020	VX043918.D	20 Nov 2024 17:20	JC/MD	Not Ok
5	VSTDICCC050	VX043919.D	20 Nov 2024 17:43	JC/MD	Not OK
6	VSTDICC100	VX043920.D	20 Nov 2024 18:06	JC/MD	Not Ok
7	VSTDICC150	VX043921.D	20 Nov 2024 18:30	JC/MD	Not Ok
8	IBLK	VX043922.D	20 Nov 2024 18:53	JC/MD	Not Ok
9	VSTDICV050	VX043923.D	20 Nov 2024 19:16	JC/MD	Not Ok
10	BFB	VX043924.D	21 Nov 2024 08:51	JC/MD	Ok
11	VSTDICC001	VX043925.D	21 Nov 2024 09:47	JC/MD	Ok,M
12	VSTDICC005	VX043926.D	21 Nov 2024 10:14	JC/MD	Ok,M
13	VSTDICC020	VX043927.D	21 Nov 2024 10:37	JC/MD	Ok,M
14	VSTDICCC050	VX043928.D	21 Nov 2024 11:17	JC/MD	Ok,M
15	VSTDICC100	VX043929.D	21 Nov 2024 11:40	JC/MD	Ok,M
16	VSTDICC150	VX043930.D	21 Nov 2024 12:03	JC/MD	Ok,M
17	IBLK	VX043931.D	21 Nov 2024 12:27	JC/MD	Ok
18	VSTDICV050	VX043932.D	21 Nov 2024 13:57	JC/MD	Ok,M
19	VX1121MBL01	VX043933.D	21 Nov 2024 14:27	JC/MD	Ok
20	VX1121WBL01	VX043934.D	21 Nov 2024 14:50	JC/MD	Ok
21	VX1121WBS01	VX043935.D	21 Nov 2024 15:13	JC/MD	Ok,M

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 # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40	JC/MD	Ok,M
23	P4921-01	VX043937.D	21 Nov 2024 16:03	JC/MD	Ok
24	P4934-01	VX043938.D	21 Nov 2024 16:27	JC/MD	Ok
25	P4934-09	VX043939.D	21 Nov 2024 16:50	JC/MD	Ok
26	P4934-11	VX043940.D	21 Nov 2024 17:13	JC/MD	Ok
27	P4934-02	VX043941.D	21 Nov 2024 17:36	JC/MD	Ok
28	P4934-03	VX043942.D	21 Nov 2024 17:59	JC/MD	Ok
29	P4934-08	VX043943.D	21 Nov 2024 18:23	JC/MD	Ok
30	P4934-10	VX043944.D	21 Nov 2024 18:46	JC/MD	Ok
31	P4934-04	VX043945.D	21 Nov 2024 19:09	JC/MD	Ok
32	P4934-12	VX043946.D	21 Nov 2024 19:32	JC/MD	Ok
33	P4934-05	VX043947.D	21 Nov 2024 19:55	JC/MD	Ok
34	VSTDCCC050	VX043948.D	21 Nov 2024 20:18	JC/MD	Ok,NR

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 # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043949.D	22 Nov 2024 10:54	JC/MD	Ok
2	VSTDCCC050	VX043950.D	22 Nov 2024 11:22	JC/MD	Ok,M
3	VX1122MBL01	VX043951.D	22 Nov 2024 11:50	JC/MD	Ok
4	VX1122WBL01	VX043952.D	22 Nov 2024 12:13	JC/MD	Ok
5	VX1122WBS01	VX043953.D	22 Nov 2024 12:36	JC/MD	Ok,M
6	VX1122WBSD01	VX043954.D	22 Nov 2024 13:02	JC/MD	Ok,M
7	P4947-01	VX043955.D	22 Nov 2024 13:25	JC/MD	Ok
8	P4846-09	VX043956.D	22 Nov 2024 13:48	JC/MD	Ok
9	P4846-10	VX043957.D	22 Nov 2024 14:11	JC/MD	Ok
10	P4846-01	VX043958.D	22 Nov 2024 14:34	JC/MD	Dilution
11	P4846-02	VX043959.D	22 Nov 2024 14:57	JC/MD	Ok
12	P4887-06	VX043960.D	22 Nov 2024 15:20	JC/MD	Ok
13	P4846-04	VX043961.D	22 Nov 2024 15:43	JC/MD	Ok
14	P4846-08	VX043962.D	22 Nov 2024 16:06	JC/MD	Ok
15	P4846-11	VX043963.D	22 Nov 2024 16:29	JC/MD	Ok
16	P4846-12	VX043964.D	22 Nov 2024 16:52	JC/MD	Ok
17	P4846-13	VX043965.D	22 Nov 2024 17:16	JC/MD	Ok
18	P4846-14	VX043966.D	22 Nov 2024 17:39	JC/MD	Ok
19	P4846-15	VX043967.D	22 Nov 2024 18:01	JC/MD	Ok
20	P4846-16	VX043968.D	22 Nov 2024 18:25	JC/MD	Dilution
21	P4846-17	VX043969.D	22 Nov 2024 18:47	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 # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4846-03	VX043970.D	22 Nov 2024 19:10	JC/MD	Ok
23	P4873-01	VX043971.D	22 Nov 2024 19:33	JC/MD	Ok
24	P4873-03	VX043972.D	22 Nov 2024 19:56	JC/MD	Ok
25	P4934-06MS	VX043973.D	22 Nov 2024 20:19	JC/MD	Ok,M
26	P4934-07MSD	VX043974.D	22 Nov 2024 20:42	JC/MD	Ok,M
27	VSTDCCC050	VX043975.D	22 Nov 2024 21:05	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 # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043976.D	25 Nov 2024 10:59	JC/MD	Ok
2	VSTDCCC050	VX043977.D	25 Nov 2024 11:27	JC/MD	Ok,M
3	VX1125MBL01	VX043978.D	25 Nov 2024 11:55	JC/MD	Ok
4	VX1125WBL01	VX043979.D	25 Nov 2024 12:18	JC/MD	Ok
5	VX1125WBS01	VX043980.D	25 Nov 2024 12:41	JC/MD	Ok,M
6	VX1125WBSD01	VX043981.D	25 Nov 2024 13:08	JC/MD	Ok,M
7	P4846-01DL	VX043982.D	25 Nov 2024 13:31	JC/MD	Ok
8	P4846-16DL	VX043983.D	25 Nov 2024 13:53	JC/MD	Ok
9	P4886-01	VX043984.D	25 Nov 2024 14:17	JC/MD	Ok
10	P4886-02	VX043985.D	25 Nov 2024 14:40	JC/MD	Ok
11	P4886-03	VX043986.D	25 Nov 2024 15:03	JC/MD	Ok
12	P4886-04	VX043987.D	25 Nov 2024 15:26	JC/MD	Ok
13	P4873-02	VX043988.D	25 Nov 2024 15:49	JC/MD	Ok
14	P4873-04	VX043989.D	25 Nov 2024 16:12	JC/MD	Ok
15	P4873-05	VX043990.D	25 Nov 2024 16:35	JC/MD	Ok
16	P4873-06	VX043991.D	25 Nov 2024 16:58	JC/MD	Ok
17	P4873-07	VX043992.D	25 Nov 2024 17:21	JC/MD	Dilution
18	P4873-08	VX043993.D	25 Nov 2024 17:44	JC/MD	Dilution
19	P4873-09	VX043994.D	25 Nov 2024 18:08	JC/MD	Ok
20	P4846-05	VX043995.D	25 Nov 2024 18:31	JC/MD	Ok
21	P4846-06MS	VX043996.D	25 Nov 2024 18:54	JC/MD	Ok,M

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 # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4846-07MSD	VX043997.D	25 Nov 2024 19:17	JC/MD	Ok,M
23	PB165160TB	VX043998.D	25 Nov 2024 19:40	JC/MD	Ok
24	P4938-04	VX043999.D	25 Nov 2024 20:03	JC/MD	Ok
25	P4938-08	VX044000.D	25 Nov 2024 20:26	JC/MD	Ok
26	P4995-01	VX044001.D	25 Nov 2024 20:49	JC/MD	Ok
27	VSTDCCC050	VX044002.D	25 Nov 2024 21:12	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 # VX112624

Review By	Semsettin Yesilyurt	Review On	11/27/2024 7:39:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/27/2024 7:40:42 AM		
SubDirectory	VX112624	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131809
Initial Calibration Stds	
CCC	VP131810,VP131811
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044003.D	26 Nov 2024 08:09	JC/MD	Ok
2	VSTDCCC050	VX044004.D	26 Nov 2024 09:59	JC/MD	Ok,M
3	VX1126MBL01	VX044005.D	26 Nov 2024 10:31	JC/MD	Ok
4	VX1126WBL01	VX044006.D	26 Nov 2024 10:54	JC/MD	Ok
5	VX1126WBS01	VX044007.D	26 Nov 2024 11:17	JC/MD	Ok,M
6	VX1126WBS02	VX044008.D	26 Nov 2024 11:45	JC/MD	Not Ok
7	P4846-02	VX044009.D	26 Nov 2024 12:08	JC/MD	Not Ok
8	P4846-03	VX044010.D	26 Nov 2024 12:31	JC/MD	Not Ok
9	P4846-17	VX044011.D	26 Nov 2024 12:55	JC/MD	Not Ok
10	P4873-07DL	VX044012.D	26 Nov 2024 13:18	JC/MD	Ok
11	P4873-08DL	VX044013.D	26 Nov 2024 13:41	JC/MD	Ok
12	VX1126WBSD01	VX044014.D	26 Nov 2024 14:04	JC/MD	Ok,M
13	P5003-03	VX044015.D	26 Nov 2024 14:27	JC/MD	Ok
14	P5003-01	VX044016.D	26 Nov 2024 14:50	JC/MD	Ok
15	P5003-02	VX044017.D	26 Nov 2024 15:14	JC/MD	Ok
16	P4958-03	VX044018.D	26 Nov 2024 16:00	JC/MD	Ok
17	P4958-04	VX044019.D	26 Nov 2024 16:23	JC/MD	Ok
18	P4958-01	VX044020.D	26 Nov 2024 16:46	JC/MD	Ok
19	P4958-02	VX044021.D	26 Nov 2024 17:10	JC/MD	Ok
20	VSTDCCC050	VX044022.D	26 Nov 2024 17:33	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 # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043915.D	20 Nov 2024 15:43		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX043916.D	20 Nov 2024 16:11	%D failed for Comp. #71,74,90,92 in 01 PPB	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX043917.D	20 Nov 2024 16:57	%D failed for Comp. #81 in 05 PPB	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX043918.D	20 Nov 2024 17:20		JC/MD	Not Ok
5	VSTDICCC050	VSTDICC050	VX043919.D	20 Nov 2024 17:43		JC/MD	Not Ok
6	VSTDICC100	VSTDICC100	VX043920.D	20 Nov 2024 18:06		JC/MD	Not Ok
7	VSTDICC150	VSTDICC150	VX043921.D	20 Nov 2024 18:30		JC/MD	Not Ok
8	IBLK	IBLK	VX043922.D	20 Nov 2024 18:53		JC/MD	Not Ok
9	VSTDICV050	ICVVX112124	VX043923.D	20 Nov 2024 19:16	Failed	JC/MD	Not Ok
10	BFB	BFB	VX043924.D	21 Nov 2024 08:51		JC/MD	Ok
11	VSTDICC001	VSTDICC001	VX043925.D	21 Nov 2024 09:47	%D failed for Comp. #71 in 01 PPB	JC/MD	Ok,M
12	VSTDICC005	VSTDICC005	VX043926.D	21 Nov 2024 10:14	QR- 58,71	JC/MD	Ok,M
13	VSTDICC020	VSTDICC020	VX043927.D	21 Nov 2024 10:37		JC/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VX043928.D	21 Nov 2024 11:17		JC/MD	Ok,M
15	VSTDICC100	VSTDICC100	VX043929.D	21 Nov 2024 11:40		JC/MD	Ok,M
16	VSTDICC150	VSTDICC150	VX043930.D	21 Nov 2024 12:03		JC/MD	Ok,M
17	IBLK	IBLK	VX043931.D	21 Nov 2024 12:27		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 # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/22/2024 3:34:00 PM		
SubDirectory	VX112124	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDICV050	ICVVX112124	VX043932.D	21 Nov 2024 13:57		JC/MD	Ok,M
19	VX1121MBL01	VX1121MBL01	VX043933.D	21 Nov 2024 14:27		JC/MD	Ok
20	VX1121WBL01	VX1121WBL01	VX043934.D	21 Nov 2024 14:50		JC/MD	Ok
21	VX1121WBS01	VX1121WBS01	VX043935.D	21 Nov 2024 15:13		JC/MD	Ok,M
22	VX1121WBSD01	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40		JC/MD	Ok,M
23	P4921-01	WC-11-A-202411	VX043937.D	21 Nov 2024 16:03	vial B pH#5.0	JC/MD	Ok
24	P4934-01	TB-01-20241118	VX043938.D	21 Nov 2024 16:27	vial A pH<2 TB;	JC/MD	Ok
25	P4934-09	FB-01-20241119	VX043939.D	21 Nov 2024 16:50	vial A pH<2 FB;	JC/MD	Ok
26	P4934-11	RB-01-20241119	VX043940.D	21 Nov 2024 17:13	vial A pH<2	JC/MD	Ok
27	P4934-02	BPOW6-11-20241118	VX043941.D	21 Nov 2024 17:36	vial A pH<2	JC/MD	Ok
28	P4934-03	BPOW6-7-20241118	VX043942.D	21 Nov 2024 17:59	vial A pH<2	JC/MD	Ok
29	P4934-08	BPOW6-9-20241119	VX043943.D	21 Nov 2024 18:23	vial A pH<2	JC/MD	Ok
30	P4934-10	BPOW6-8-20241119	VX043944.D	21 Nov 2024 18:46	vial A pH<2	JC/MD	Ok
31	P4934-04	DUP-01-20241118	VX043945.D	21 Nov 2024 19:09	vial A pH<2	JC/MD	Ok
32	P4934-12	DUP-02-20241119	VX043946.D	21 Nov 2024 19:32	vial A pH<2	JC/MD	Ok
33	P4934-05	BPOW6-10-20241119	VX043947.D	21 Nov 2024 19:55	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX043948.D	21 Nov 2024 20:18		JC/MD	Ok,NR

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 # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
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	VX043949.D	22 Nov 2024 10:54		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043950.D	22 Nov 2024 11:22	V13516	JC/MD	Ok,M
3	VX1122MBL01	VX1122MBL01	VX043951.D	22 Nov 2024 11:50		JC/MD	Ok
4	VX1122WBL01	VX1122WBL01	VX043952.D	22 Nov 2024 12:13		JC/MD	Ok
5	VX1122WBS01	VX1122WBS01	VX043953.D	22 Nov 2024 12:36		JC/MD	Ok,M
6	VX1122WBSD01	VX1122WBSD01	VX043954.D	22 Nov 2024 13:02		JC/MD	Ok,M
7	P4947-01	A3988	VX043955.D	22 Nov 2024 13:25	vial A pH<2	JC/MD	Ok
8	P4846-09	TB-1-20241113	VX043956.D	22 Nov 2024 13:48	vial A pH<2 TB	JC/MD	Ok
9	P4846-10	FSND-RB-3-20241113	VX043957.D	22 Nov 2024 14:11	vial A pH<2	JC/MD	Ok
10	P4846-01	FSND-MW-EVAL-03D-2	VX043958.D	22 Nov 2024 14:34	vial A pH<2 Need 5X	JC/MD	Dilution
11	P4846-02	FSND-MW-EVAL-03S-2	VX043959.D	22 Nov 2024 14:57	vial A pH<2	JC/MD	Ok
12	P4887-06	MH-760	VX043960.D	22 Nov 2024 15:20	vial A pH#5.0	JC/MD	Ok
13	P4846-04	FSND-MW-EVAL-04S-2	VX043961.D	22 Nov 2024 15:43	vial A pH<2	JC/MD	Ok
14	P4846-08	FSND-MW-26-2024111	VX043962.D	22 Nov 2024 16:06	vial A pH<2	JC/MD	Ok
15	P4846-11	FSND-MW-24-2024111	VX043963.D	22 Nov 2024 16:29	vial A pH<2	JC/MD	Ok
16	P4846-12	FSND-MW-15-2024111	VX043964.D	22 Nov 2024 16:52	vial A pH<2	JC/MD	Ok
17	P4846-13	FSND-MW-EVAL-02D-2	VX043965.D	22 Nov 2024 17:16	vial A pH<2	JC/MD	Ok
18	P4846-14	FSND-MW-EVAL-02S-2	VX043966.D	22 Nov 2024 17:39	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 # VX112224

Review By	John Carlone	Review On	11/25/2024 9:54:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:02:46 PM		
SubDirectory	VX112224	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131748
Initial Calibration Stds	
CCC	VP131749,VP131750
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4846-15	FSND-FD-4-20241113	VX043967.D	22 Nov 2024 18:01	vial A pH<2	JC/MD	Ok
20	P4846-16	FSND-MW-EVAL-01D-2	VX043968.D	22 Nov 2024 18:25	vial A pH<2 Need 10X	JC/MD	Dilution
21	P4846-17	FSND-MW-EVAL-01S-2	VX043969.D	22 Nov 2024 18:47	vial A pH<2	JC/MD	Ok
22	P4846-03	FSND-FD-3-20241113	VX043970.D	22 Nov 2024 19:10	vial A pH<2	JC/MD	Ok
23	P4873-01	FSND-RB-4-20241114	VX043971.D	22 Nov 2024 19:33	vial A pH<2	JC/MD	Ok
24	P4873-03	TB-2	VX043972.D	22 Nov 2024 19:56	vial A pH<2 TB	JC/MD	Ok
25	P4934-06MS	BPOW6-10-20241118M	VX043973.D	22 Nov 2024 20:19	vial A pH<2	JC/MD	Ok,M
26	P4934-07MSD	BPOW6-10-20241118M	VX043974.D	22 Nov 2024 20:42	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX043975.D	22 Nov 2024 21:05		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 # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
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	VX043976.D	25 Nov 2024 10:59		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043977.D	25 Nov 2024 11:27	V13516	JC/MD	Ok,M
3	VX1125MBL01	VX1125MBL01	VX043978.D	25 Nov 2024 11:55		JC/MD	Ok
4	VX1125WBL01	VX1125WBL01	VX043979.D	25 Nov 2024 12:18		JC/MD	Ok
5	VX1125WBS01	VX1125WBS01	VX043980.D	25 Nov 2024 12:41		JC/MD	Ok,M
6	VX1125WBSD01	VX1125WBSD01	VX043981.D	25 Nov 2024 13:08		JC/MD	Ok,M
7	P4846-01DL	FSND-MW-EVAL-03D-2	VX043982.D	25 Nov 2024 13:31	vial B pH<2	JC/MD	Ok
8	P4846-16DL	FSND-MW-EVAL-01D-2	VX043983.D	25 Nov 2024 13:53	vial B pH<2	JC/MD	Ok
9	P4886-01	Storage-Blank-SOIL-RE	VX043984.D	25 Nov 2024 14:17	vial A pH<2	JC/MD	Ok
10	P4886-02	Storage-Blank-WATER-	VX043985.D	25 Nov 2024 14:40	vial A pH<2	JC/MD	Ok
11	P4886-03	Storage-Blank-WATER-	VX043986.D	25 Nov 2024 15:03	vial A pH<2	JC/MD	Ok
12	P4886-04	Storage-Blank-SAMPLE	VX043987.D	25 Nov 2024 15:26	vial A pH<2	JC/MD	Ok
13	P4873-02	FSND-MW-30-2024111	VX043988.D	25 Nov 2024 15:49	vial A pH<2	JC/MD	Ok
14	P4873-04	FSND-MW-19-2024111	VX043989.D	25 Nov 2024 16:12	vial A pH<2	JC/MD	Ok
15	P4873-05	FSND-MW-32-2024111	VX043990.D	25 Nov 2024 16:35	vial A pH<2	JC/MD	Ok
16	P4873-06	FSND-MW-34-2024111	VX043991.D	25 Nov 2024 16:58	vial A pH<2	JC/MD	Ok
17	P4873-07	FSND-GEP-3-2024111	VX043992.D	25 Nov 2024 17:21	vial A pH<2 Need 5X	JC/MD	Dilution
18	P4873-08	FSND-MW-28-2024111	VX043993.D	25 Nov 2024 17:44	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 # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM		
SubDirectory	VX112524	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131793
Initial Calibration Stds	
CCC	VP131794,VP131795
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4873-09	FSND-MW-29-2024111	VX043994.D	25 Nov 2024 18:08	vial A pH<2	JC/MD	Ok
20	P4846-05	FSND-MW-EVAL-04D-2	VX043995.D	25 Nov 2024 18:31	vial A pH<2	JC/MD	Ok
21	P4846-06MS	FSND-MW-EVAL-04D-2	VX043996.D	25 Nov 2024 18:54	vial A pH<2	JC/MD	Ok,M
22	P4846-07MSD	FSND-MW-EVAL-04D-2	VX043997.D	25 Nov 2024 19:17	vial A pH<2	JC/MD	Ok,M
23	PB165160TB	PB165160TB	VX043998.D	25 Nov 2024 19:40		JC/MD	Ok
24	P4938-04	MH-732	VX043999.D	25 Nov 2024 20:03	vial A pH#5.0	JC/MD	Ok
25	P4938-08	MH-734	VX044000.D	25 Nov 2024 20:26	vial A pH#5.0	JC/MD	Ok
26	P4995-01	001	VX044001.D	25 Nov 2024 20:49	vial A pH<2	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX044002.D	25 Nov 2024 21:12		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 # VX112624

Review By	Semsettin Yesilyurt	Review On	11/27/2024 7:39:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/27/2024 7:40:42 AM		
SubDirectory	VX112624	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131809
Initial Calibration Stds	
CCC	VP131810,VP131811
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	VX044003.D	26 Nov 2024 08:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044004.D	26 Nov 2024 09:59		JC/MD	Ok,M
3	VX1126MBL01	VX1126MBL01	VX044005.D	26 Nov 2024 10:31		JC/MD	Ok
4	VX1126WBL01	VX1126WBL01	VX044006.D	26 Nov 2024 10:54		JC/MD	Ok
5	VX1126WBS01	VX1126WBS01	VX044007.D	26 Nov 2024 11:17		JC/MD	Ok,M
6	VX1126WBS02	VX1126WBS02	VX044008.D	26 Nov 2024 11:45	Not Required	JC/MD	Not Ok
7	P4846-02	FSND-MW-EVAL-03S-2	VX044009.D	26 Nov 2024 12:08	Already analyzed	JC/MD	Not Ok
8	P4846-03	FSND-FD-3-20241113	VX044010.D	26 Nov 2024 12:31	Already analyzed	JC/MD	Not Ok
9	P4846-17	FSND-MW-EVAL-01S-2	VX044011.D	26 Nov 2024 12:55	Already analyzed	JC/MD	Not Ok
10	P4873-07DL	FSND-GEP-3-20241114	VX044012.D	26 Nov 2024 13:18		JC/MD	Ok
11	P4873-08DL	FSND-MW-28-2024111	VX044013.D	26 Nov 2024 13:41		JC/MD	Ok
12	VX1126WBSD01	VX1126WBSD01	VX044014.D	26 Nov 2024 14:04		JC/MD	Ok,M
13	P5003-03	RW-10A-HYD-2024112	VX044015.D	26 Nov 2024 14:27		JC/MD	Ok
14	P5003-01	RW-10A-TB-20241122	VX044016.D	26 Nov 2024 14:50	TB	JC/MD	Ok
15	P5003-02	RW-10A-HYD-2024112	VX044017.D	26 Nov 2024 15:14		JC/MD	Ok
16	P4958-03	Storage-Blank-WATER-	VX044018.D	26 Nov 2024 16:00		JC/MD	Ok
17	P4958-04	Storage-Blank-SAMPLE	VX044019.D	26 Nov 2024 16:23		JC/MD	Ok
18	P4958-01	Storage-Blank-SOIL-RE	VX044020.D	26 Nov 2024 16:46		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 # VX112624

Review By	Semsettin Yesilyurt	Review On	11/27/2024 7:39:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/27/2024 7:40:42 AM		
SubDirectory	VX112624	HP Acquire Method		HP Processing Method	82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131809
Initial Calibration Stds	
CCC	VP131810,VP131811
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4958-02	Storage-Blank-WATER-	VX044021.D	26 Nov 2024 17:10		JC/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VX044022.D	26 Nov 2024 17:33		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 : P4873

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX112224,VX112524,VX112624,

Standard ID :
VP128290,VP128762,VP128766,VP130430,VP131134,VP131317,VP131746,VP131748,VP131749,VP131750,VP131767,VP131793,VP131794,VP131795,VP131809,VP131810,VP131811,

Chemical ID :
V12794,V12798,V13390,V13391,V13444,V13462,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14154,V14171,V14172,V14203,V14206,V14215,V14289,V14436,V14443,V14573,V14574,V14575,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
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

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	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

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
257	8260 Calibration Working STD Mix-First source, 160PPM	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131317	11/07/2024	11/30/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 1.00000ml of V14575 + 1.50000ml of V14573 + 1.50000ml of V14574 + 21.00000ml of V14150 = 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
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131748	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = 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	VP131749	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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	VP131750	11/22/2024	11/23/2024	John Carlone	None	None	Mahesh Dadoda 11/23/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131793	11/25/2024	11/26/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP131794	11/25/2024	11/26/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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	VP131795	11/25/2024	11/26/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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	VP131809	11/26/2024	11/27/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131810	11/26/2024	11/27/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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	VP131811	11/26/2024	11/27/2024	John Carlone	None	None	Mahesh Dadoda 11/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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 #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

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	A0205179	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

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	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14573

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14574

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14575

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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

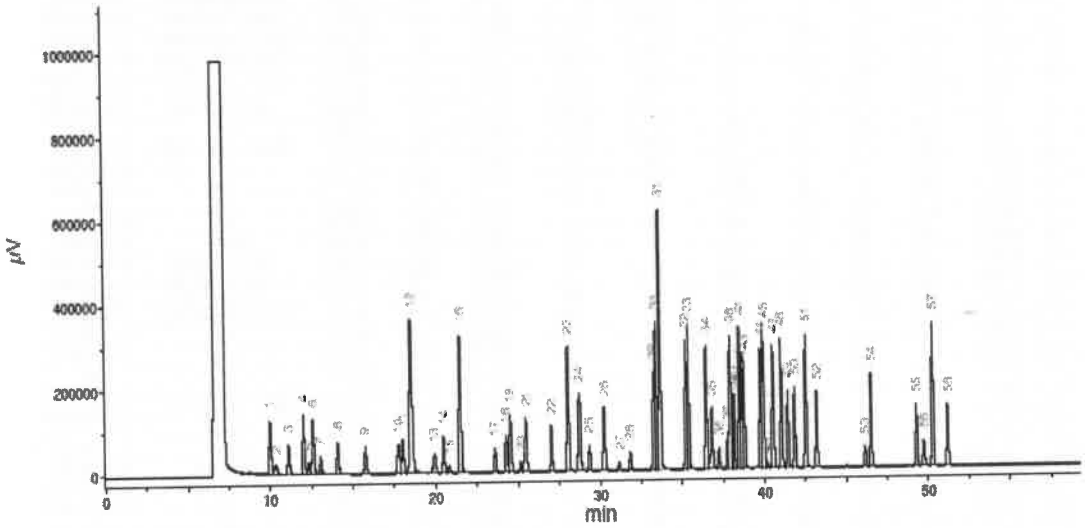
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

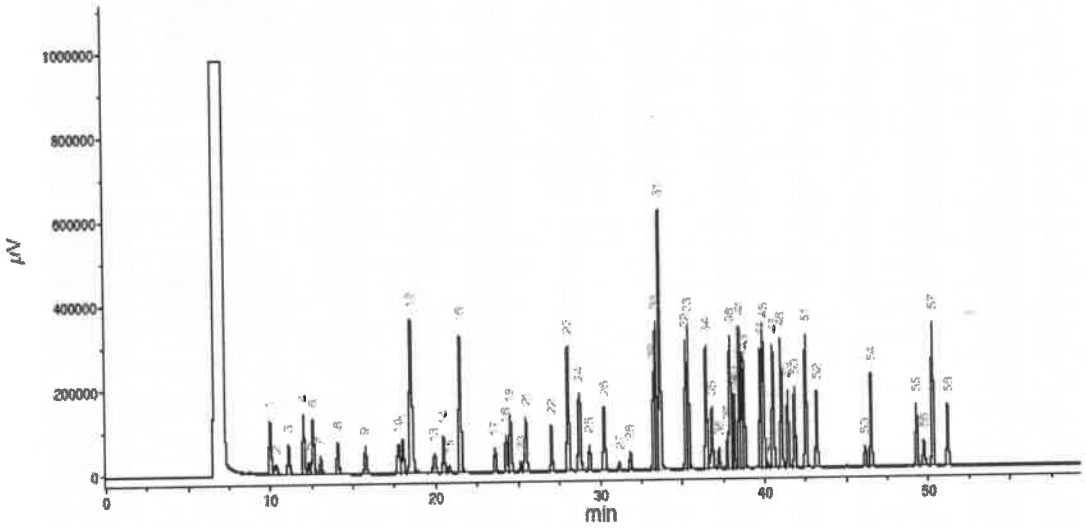
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

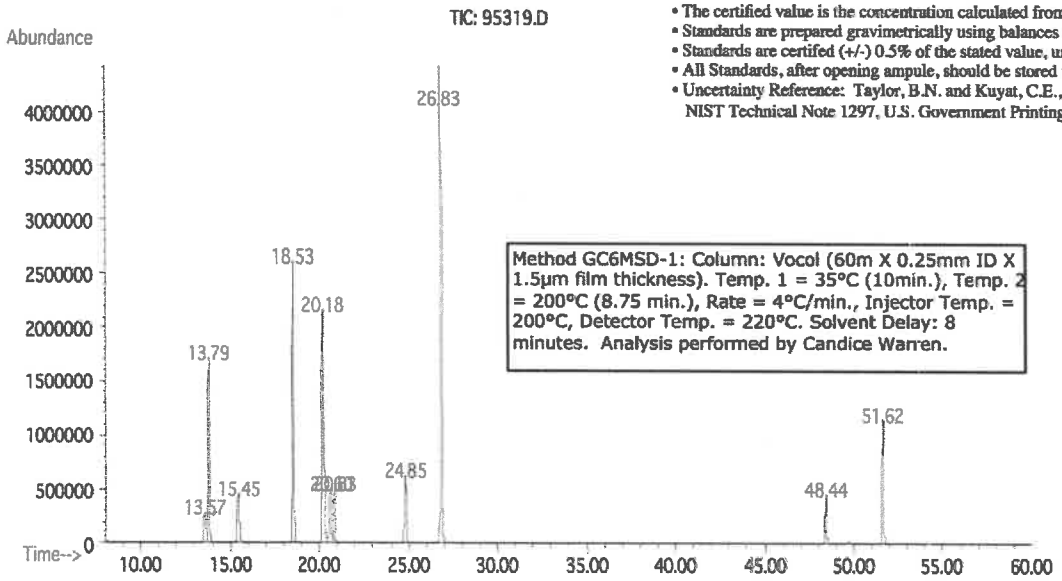
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By: Prashant Chauhan	032922 DATE
Reviewed By: Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

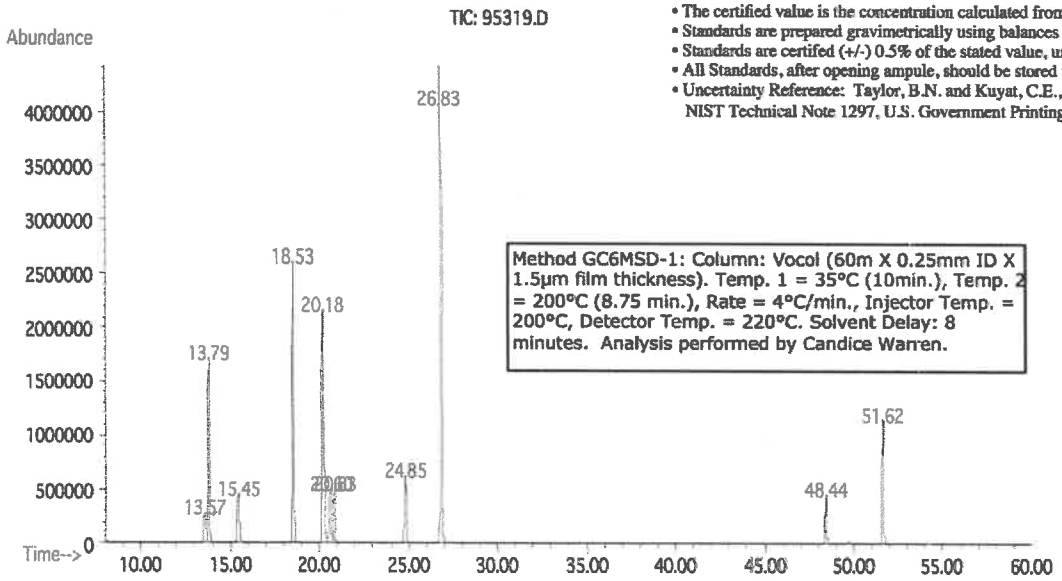
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

- 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).

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

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

5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

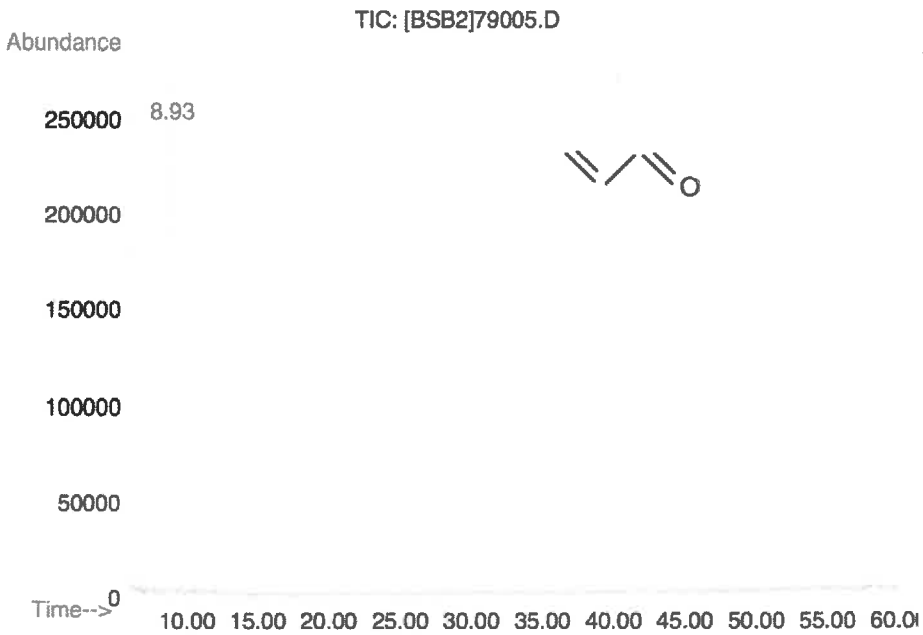
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

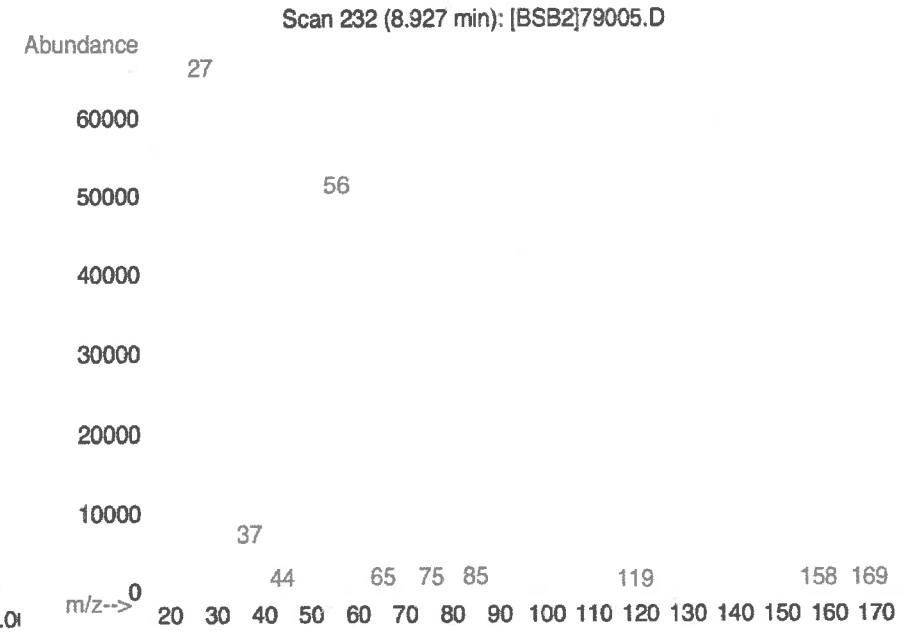
Formulated By: Lawrence Barry 103024 DATE

Reviewed By: Pedro L. Rentas 103024 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

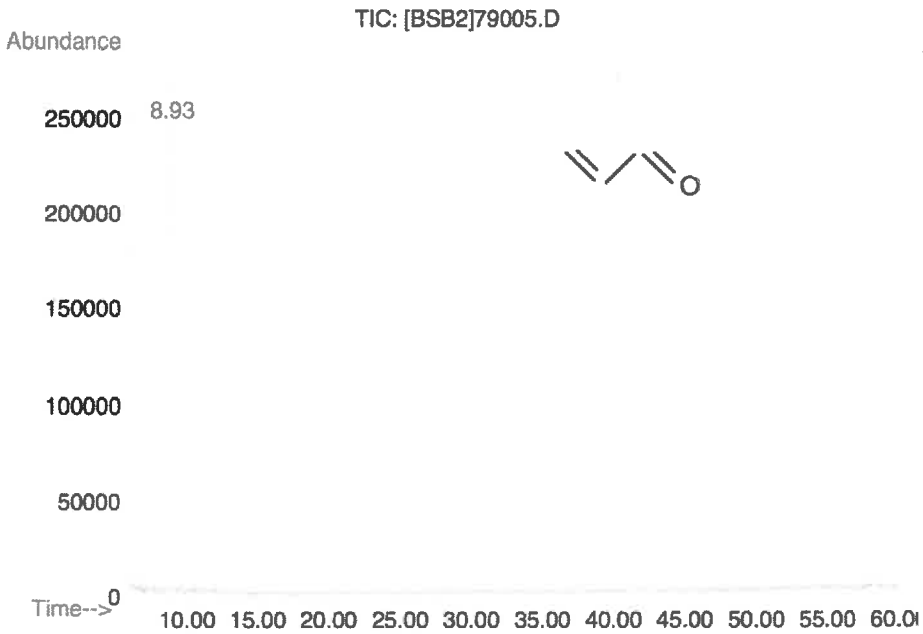
Solvent(s): **Lot#**
Water 072324Q

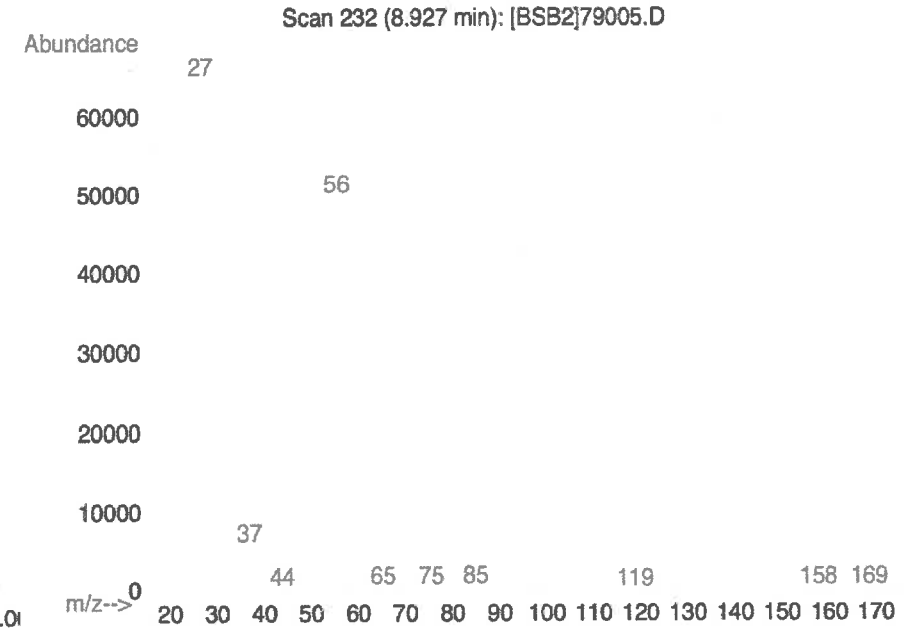
Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

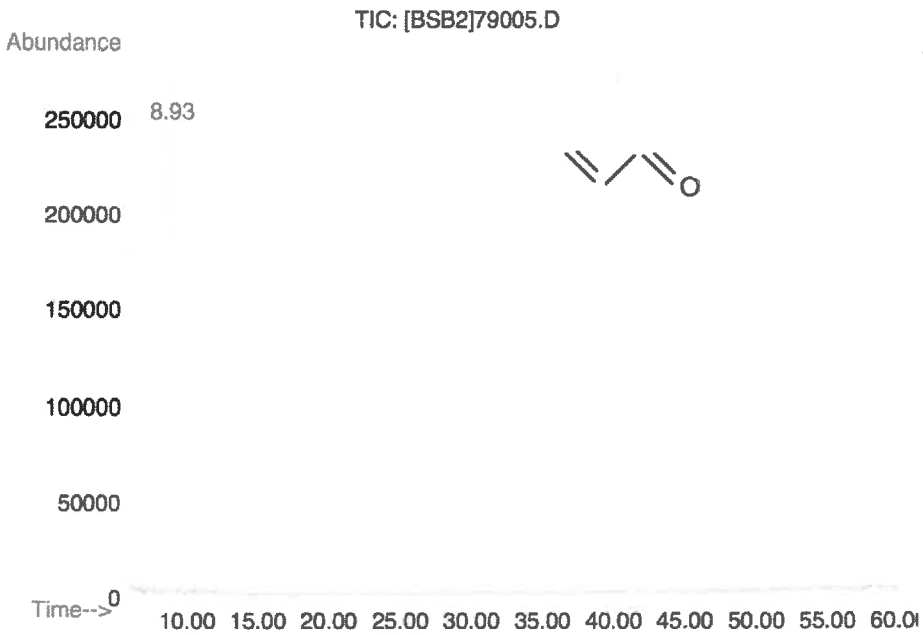
Solvent(s): **Lot#**
Water 072324Q

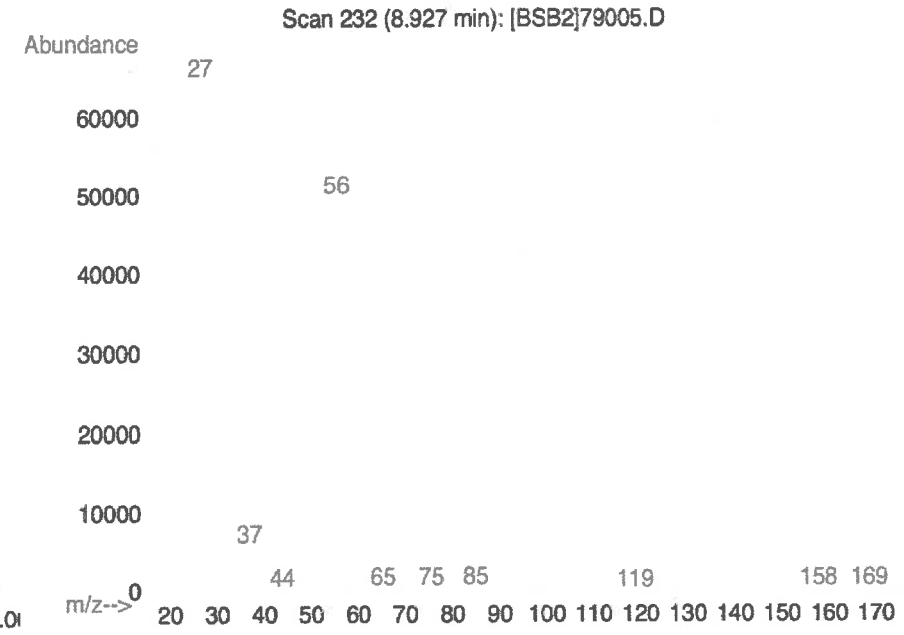
Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.

Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

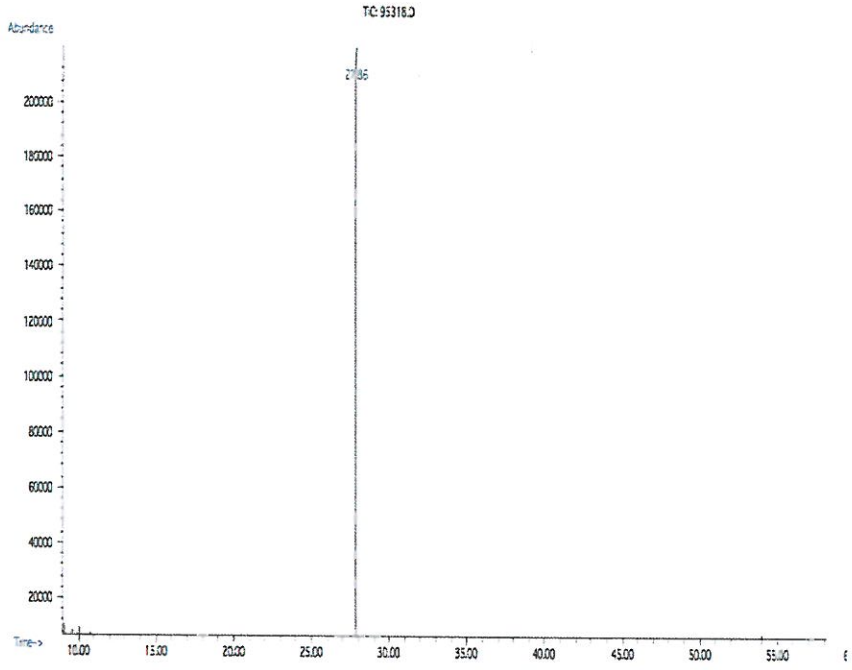
Solvent(s):	Lot#
Methanol	EA899-US

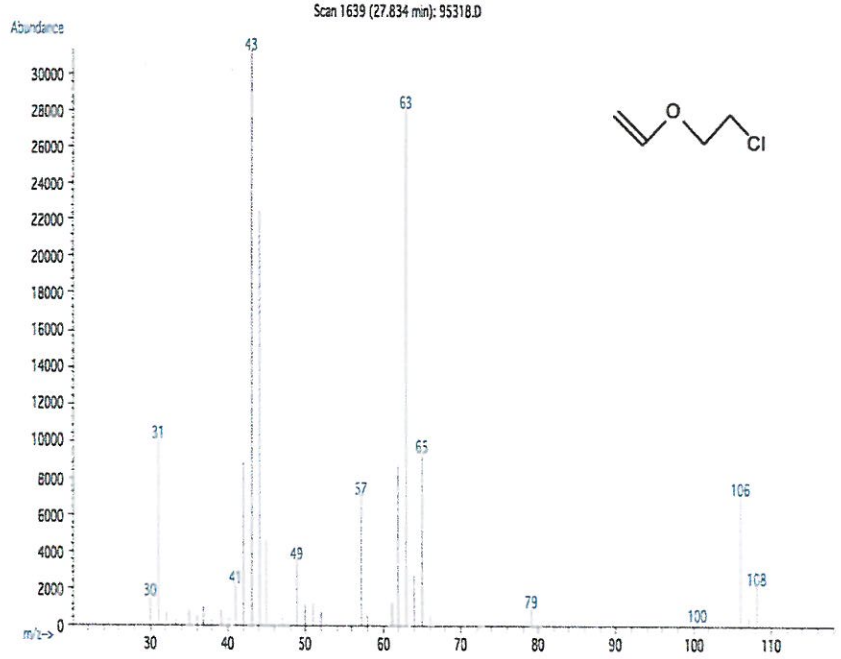
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

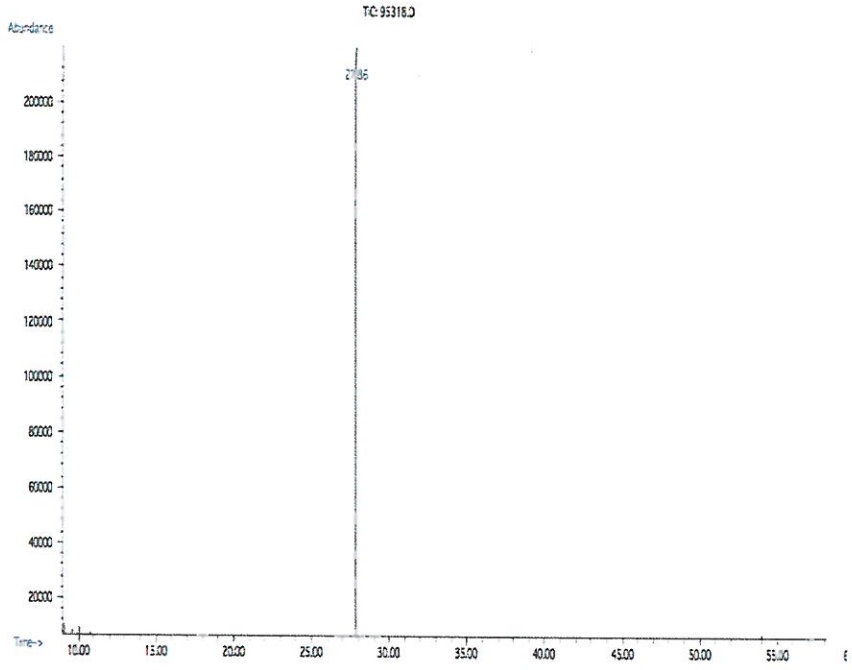
Solvent(s):	Lot#
Methanol	EA899-US

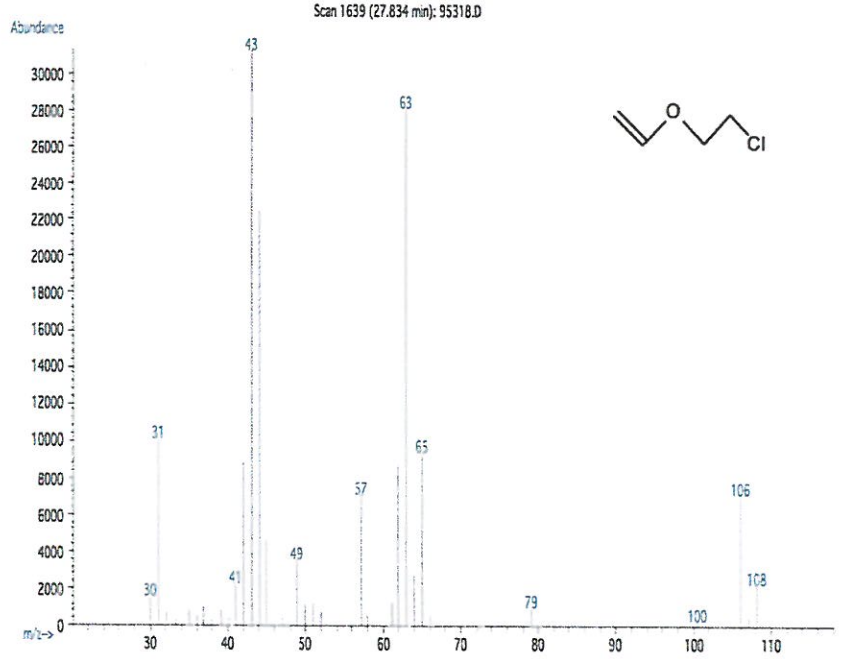
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- 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).

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)		50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0	(Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%			+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

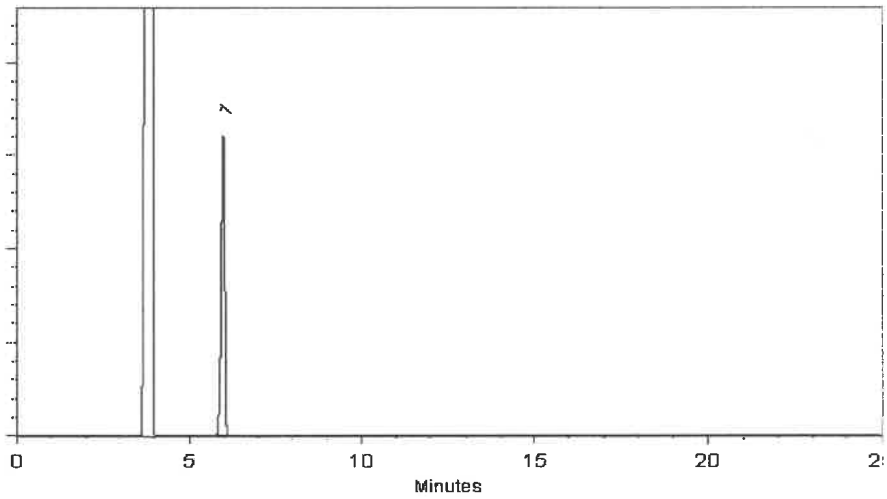
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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.)

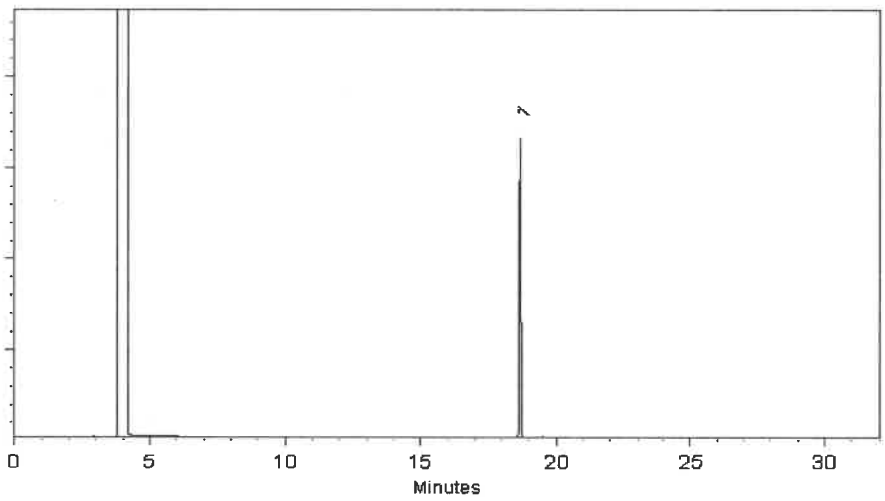
Inj. Temp:
200°C

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. : 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.)

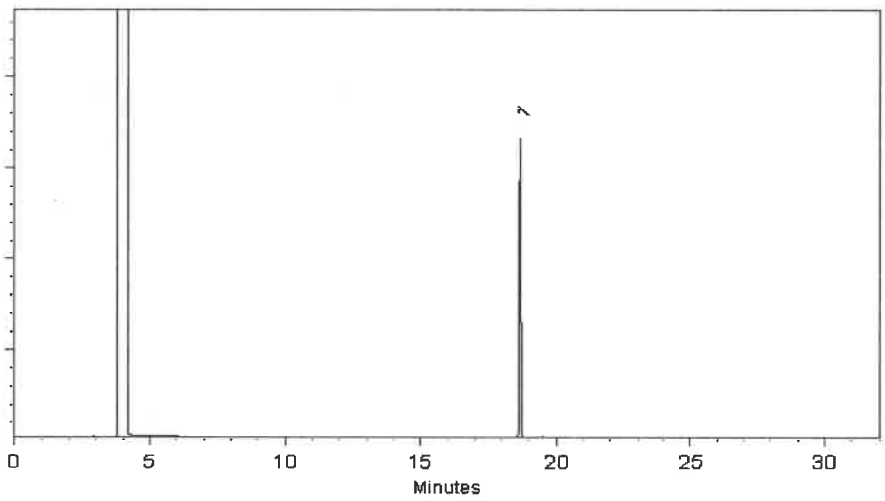
Inj. Temp:
200°C

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. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

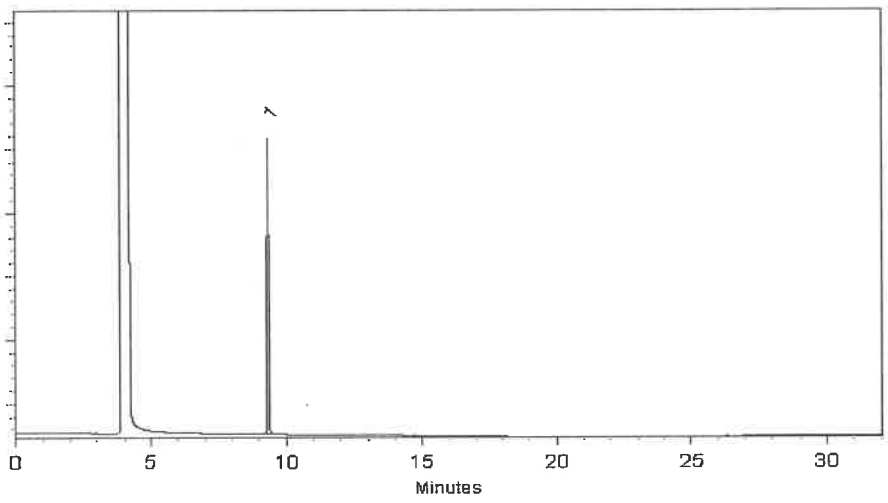
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

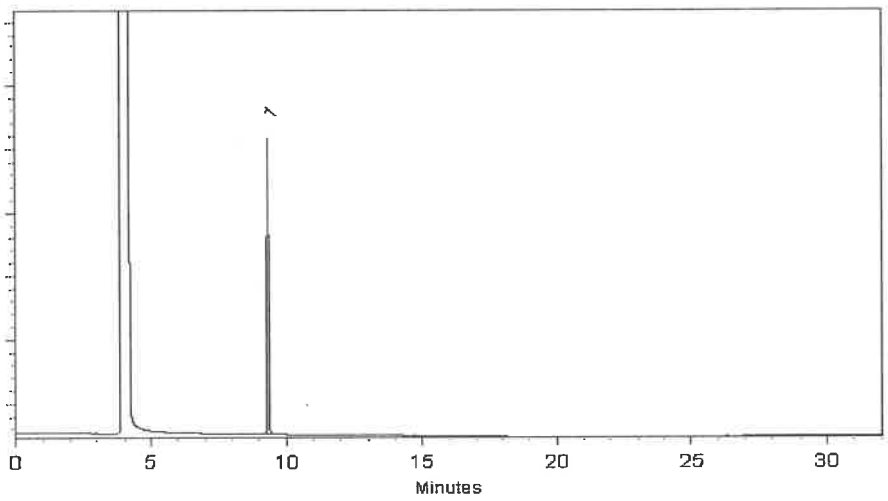
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

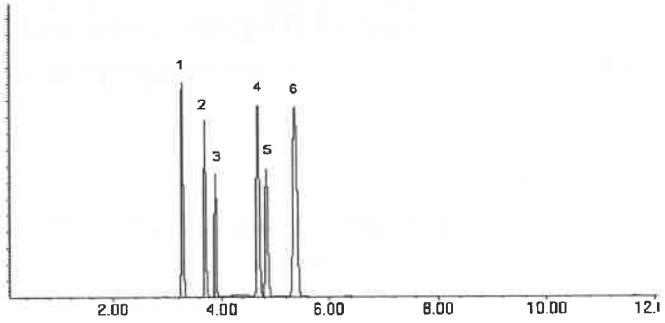
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

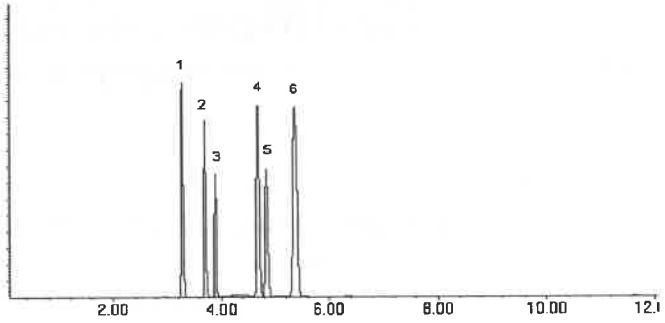
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

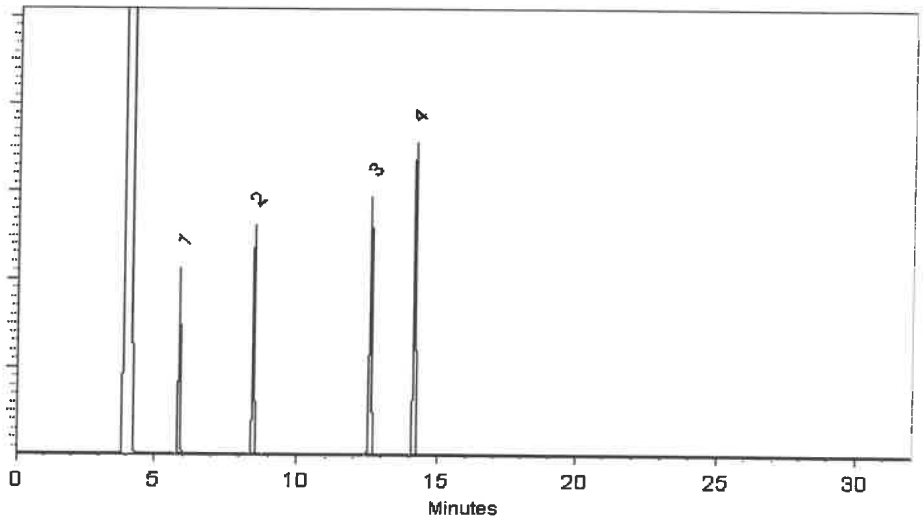
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

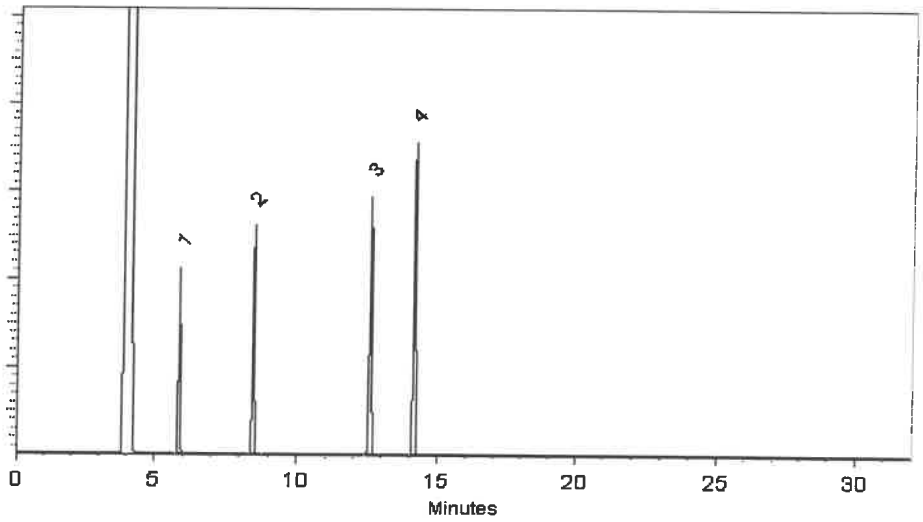
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

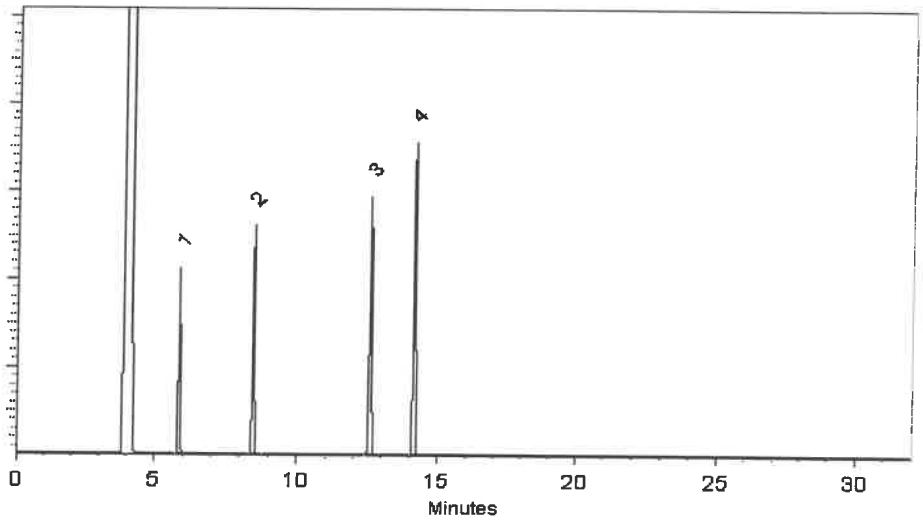
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

12

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

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.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

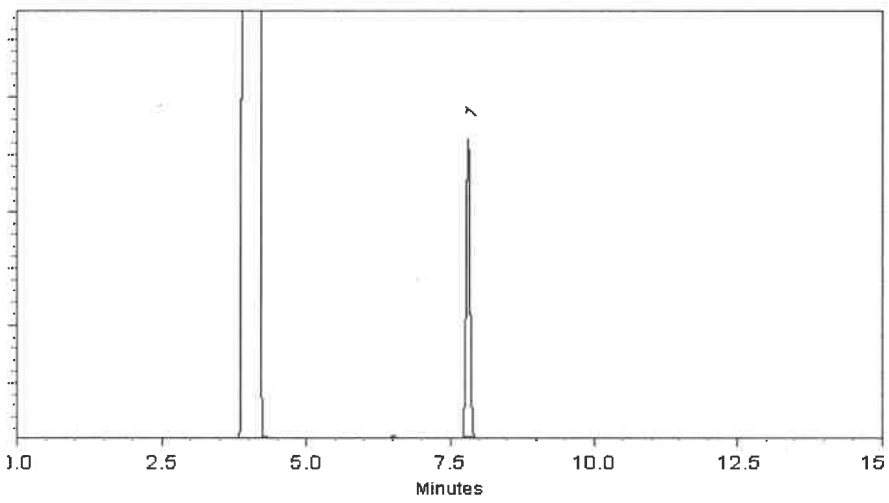
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

12

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

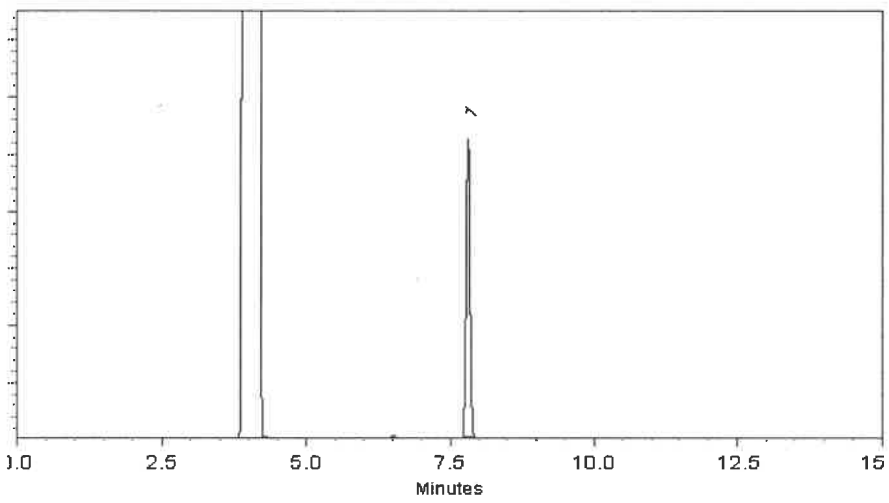
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.)

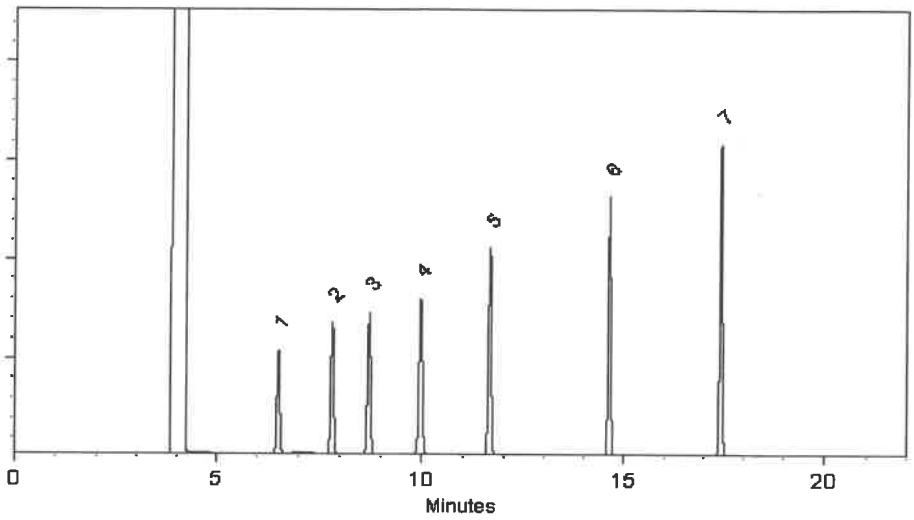
Inj. Temp:
200°C

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.)

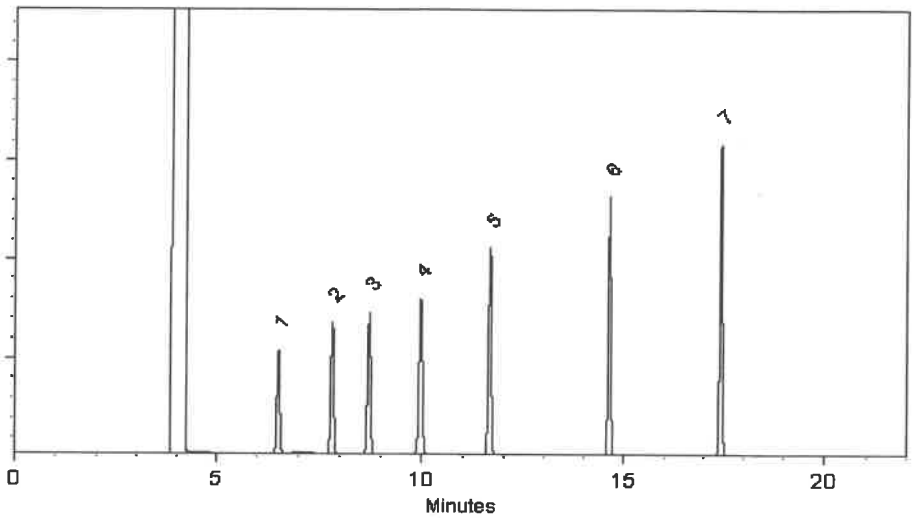
Inj. Temp:
200°C

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I **Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4873
QUOTE NO.
COC Number 2042605

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: EA Engineering
ADDRESS: 333 West Washington St
CITY Syracuse STATE: NY ZIP: 13202
ATTENTION: Jim Hayward
PHONE: 315 431 4610 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Former Scotia Navy Depot
PROJECT NO.: LOCATION: Scotia NY
PROJECT MANAGER: Jim Hayward
e-mail: jhayward@eaest.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: northeastap@eaest.com PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STD TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
- ☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 VOC 8260D
2 TOC SM 5310B
3 MEE RSK 175
4 ALK SM2320
5 Anion SW9056A
6
7
8
9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
								A	C	C	E	E					← Specify Preservatives
1.	FSND-RB-4-20241114	GW		X	11/14/24	1200	8	X	X	X	X	X					
2.	FSND-MW-30-20241114	"		"	"	1055	8	X	X	X	X	X					
3.	TB-2	—		—		1205	2	X									Lab prepared
4.	FSND-MW-19-20241114	GW		X		0945											
5.	FSND-MW-32-20241114	"		"		1120											
6.	FSND-MW-34-20241114	"		"		1025											
7.	FSND-GEP-3-20241114	"		"		0925											
8.	FSND-MW-28-20241114	"		"		0930											
9.	FSND-MW-29-20241114	"		"		0830											
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Emily	11/14/24 1300	1.
2.	11-15-24 920	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0°C
Comments: Relinquished

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2022

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4873 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/15/2024 10:19:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/15/2024 9:20:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4873-01	FSND-RB-4-20241114	Water	11/14/2024	12:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-02	FSND-MW-30-20241114	Water	11/14/2024	10:55					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-03	TB-2	Water	11/14/2024	12:05					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-04	FSND-MW-19-20241114	Water	11/14/2024	09:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-05	FSND-MW-32-20241114	Water	11/14/2024	11:20					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-06	FSND-MW-34-20241114	Water	11/14/2024	10:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-07	FSND-GEP-3-20241114	Water	11/14/2024	09:25					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-08	FSND-MW-28-20241114	Water	11/14/2024	09:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4873 EAEN05
Client Name : EA Engineering Science &
Client Contact : Jim Hayward
Invoice Name : EA Engineering Science &
Invoice Contact : Jim Hayward

Order Date : 11/15/2024 10:19:00 AM
Project Name : Scotia, NY - Annual Testing
Receive DateTime : 11/15/2024 9:20:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4873-09	FSND-MW-29-20241114	Water	11/14/2024	08:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By : _____
Date / Time : 11-15-24 1155

Received By : _____
Date / Time : 11-15-24 11:55

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	3148	1.232	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.460%#			
35) Dibromofluoromethane	5.385	113	1980	1.063	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.120%#			
50) Toluene-d8	8.647	98	7267	1.132	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.260%#			
62) 4-Bromofluorobenzene	11.079	95	2216	1.015	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.020%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	1889	1.001	ug/l		88
3) Chloromethane	1.295	50	1723	0.868	ug/l		90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l	#	81
5) Bromomethane	1.593	94	1826	1.405	ug/l	#	72
6) Chloroethane	1.666	64	1724	1.339	ug/l	#	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l		92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l		75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l		94
10) Methyl Iodide	2.441	142	1911	0.849	ug/l	#	97
11) Tert butyl alcohol	2.941	59	3949	9.628	ug/l	#	73
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l	#	62
13) Acrolein	2.233	56	2045	4.730	ug/l		90
14) Allyl chloride	2.654	41	2371	0.845	ug/l		87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l		95
16) Acetone	2.386	43	5977	5.093	ug/l	#	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l		99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l		97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l		94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l	#	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l		97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l	#	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l		98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l	#	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l		92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l		86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l		89
28) Bromochloromethane	4.885	49	842	0.553	ug/l	#	48
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l		95
30) Chloroform	5.093	83	3187	0.856	ug/l	#	76
31) Cyclohexane	5.446	56	2563	0.900	ug/l	#	71
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l	#	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l	#	80
37) Ethyl Acetate	4.733	43	1632	0.567	ug/l	#	78
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l	#	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l		90
40) Benzene	6.032	78	6312	0.873	ug/l	#	84

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	724	0.491	ug/l	#	80
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l		84
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l	#	90
44) Trichloroethene	7.123	130	2850	1.393	ug/l		82
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l		100
46) Dibromomethane	7.580	93	1246	0.890	ug/l		94
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l	#	93
48) Methyl methacrylate	7.702	41	1511	0.687	ug/l		90
49) 1,4-Dioxane	7.671	88	613	16.166	ug/l	#	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l		96
52) Toluene	8.714	92	3313	0.766	ug/l		82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l	#	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l	#	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l	#	85
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l	#	82
57) 1,3-Dichloropropane	9.305	76	2502	0.832	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662	ug/l		93
59) 2-Hexanone	9.439	43	7726	3.675	ug/l		99
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l	#	80
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l		88
65) Chlorobenzene	10.073	112	4585	0.957	ug/l	#	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l	#	66
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l	#	86
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l		95
69) o-Xylene	10.640	106	2370	0.801	ug/l		95
70) Styrene	10.665	104	3751	0.767	ug/l		97
71) Bromoform	10.799	173	632	1.756	ug/l	#	87
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l		94
74) N-amyl acetate	10.848	43	2319	0.701	ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l		83
76) 1,2,3-Trichloropropane	11.244	75	2077	1.037	ug/l		98
77) Bromobenzene	11.201	156	1475	0.866	ug/l		94
78) n-propylbenzene	11.305	91	6810	0.854	ug/l		95
79) 2-Chlorotoluene	11.366	91	4618	0.916	ug/l		92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855	ug/l		96
81) trans-1,4-Dichloro-2-b...	11.025	75	442	0.592	ug/l	#	81
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l		94
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812	ug/l		99
85) sec-Butylbenzene	11.890	105	5787	0.812	ug/l		94
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l		87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l		93
88) 1,4-Dichlorobenzene	11.969	146	2934	0.932	ug/l		95
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l		93
90) Hexachloroethane	12.536	117	835	0.848	ug/l		86
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807	ug/l		65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l		78
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l		89
95) Naphthalene	13.780	128	4837	0.728	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l		81

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

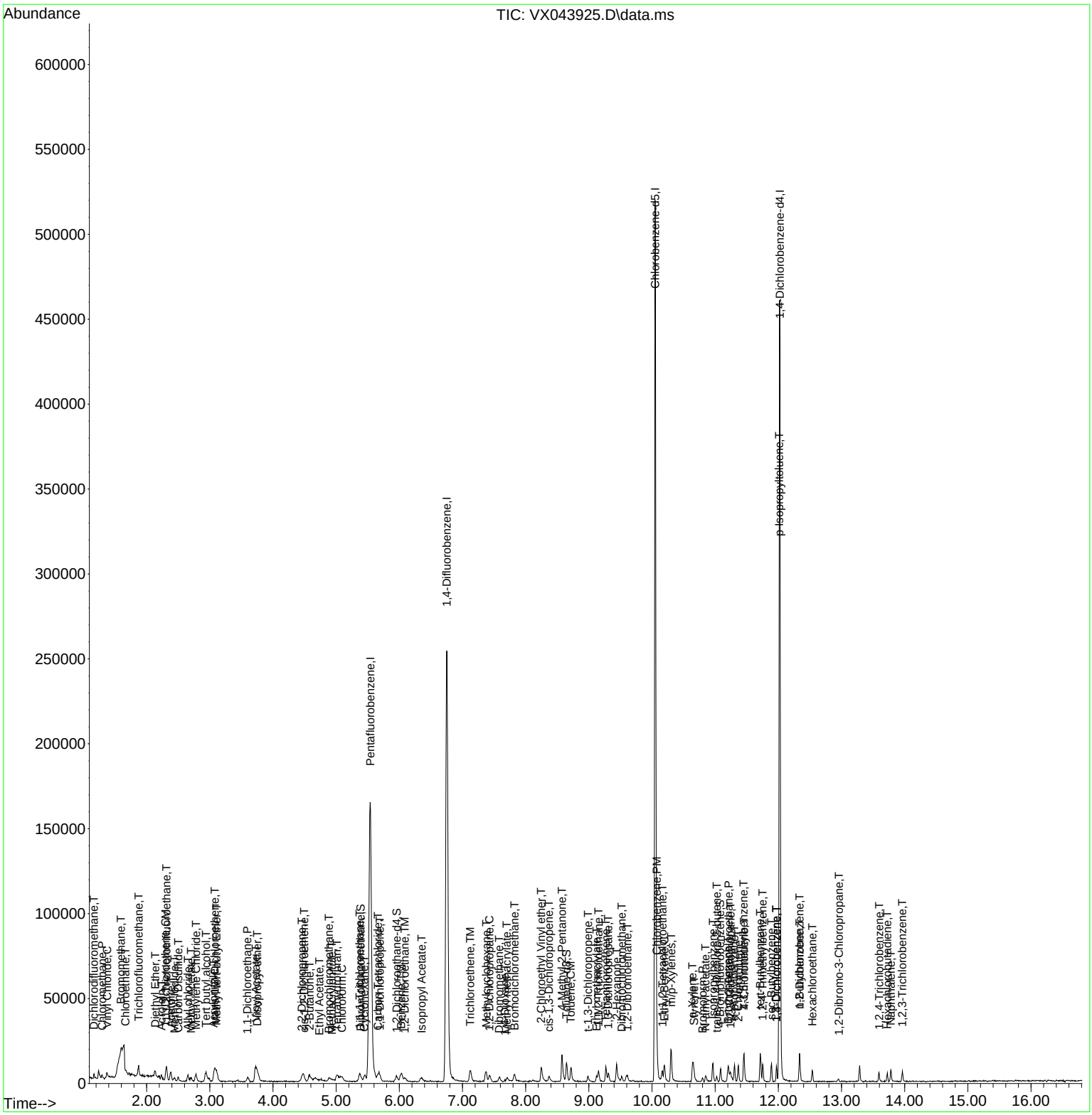
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

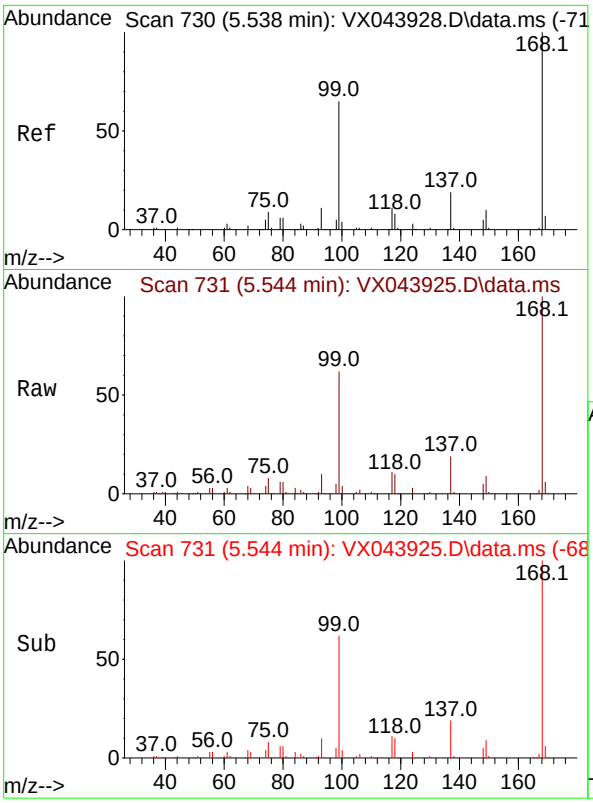
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



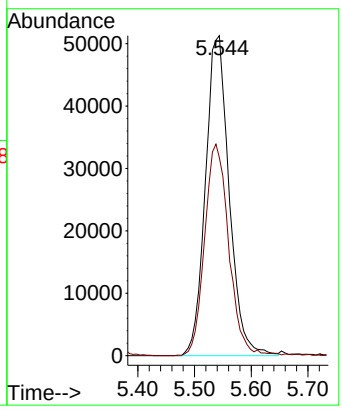


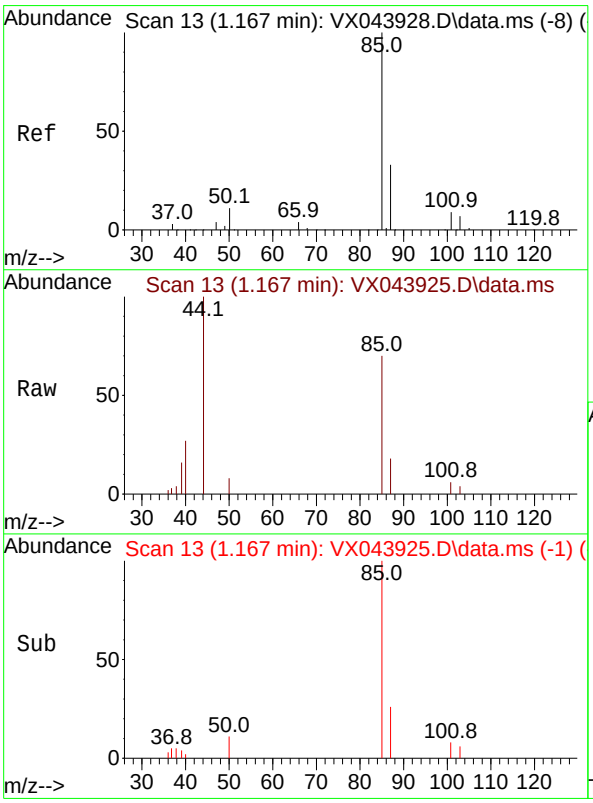
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 148984

Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.8	77.8

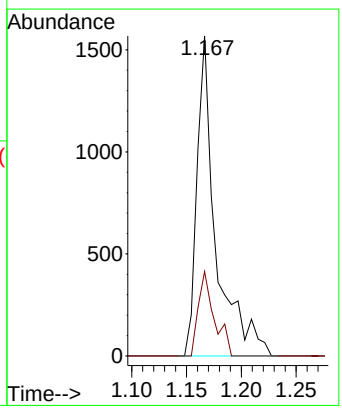


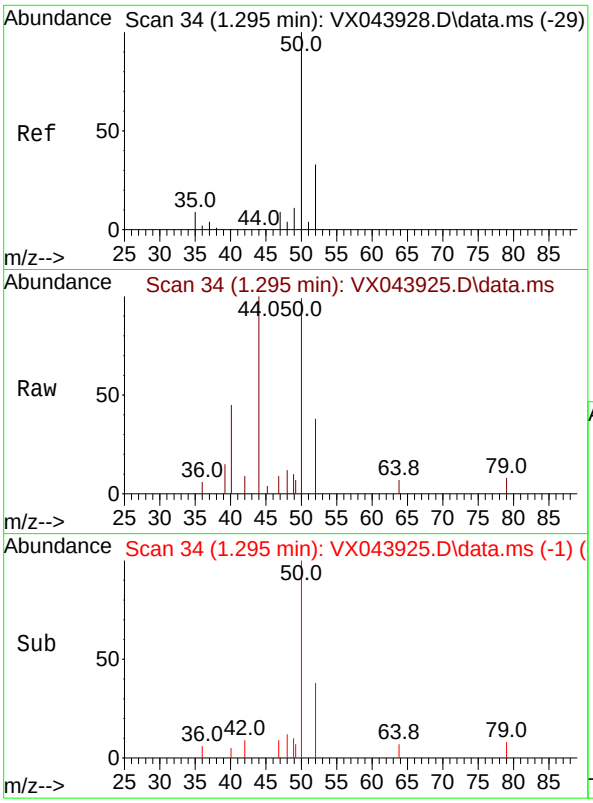


#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

Ion	Ratio	Lower	Upper
85	100		
87	26.4	16.6	49.8



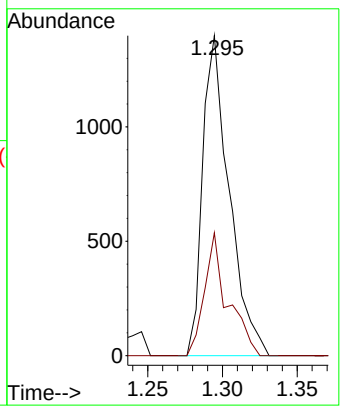


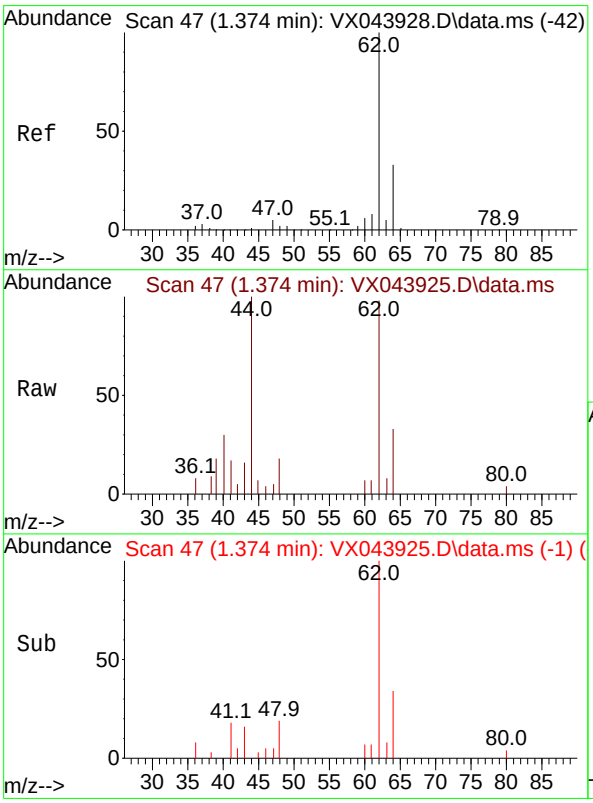
#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1723

Ion	Ratio	Lower	Upper
50	100		
52	38.4	26.1	39.1

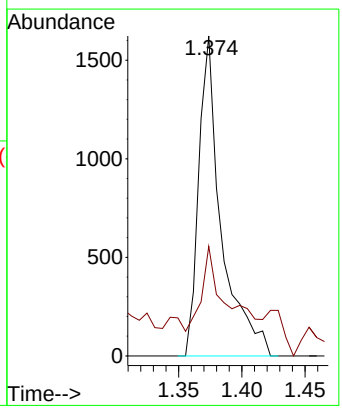


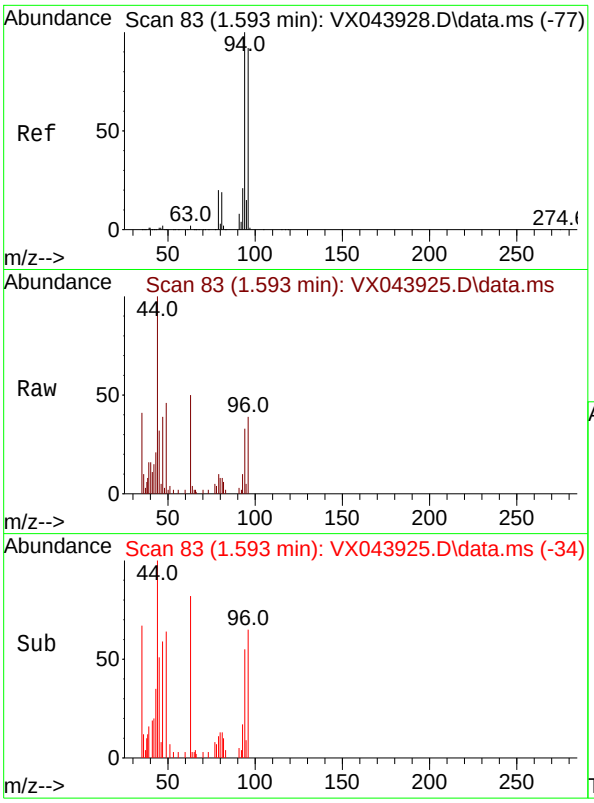


#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

Ion	Ratio	Lower	Upper
62	100		
64	22.4	26.2	39.4#



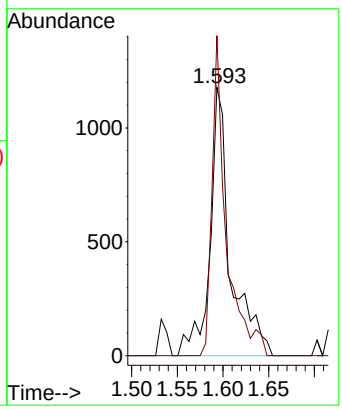


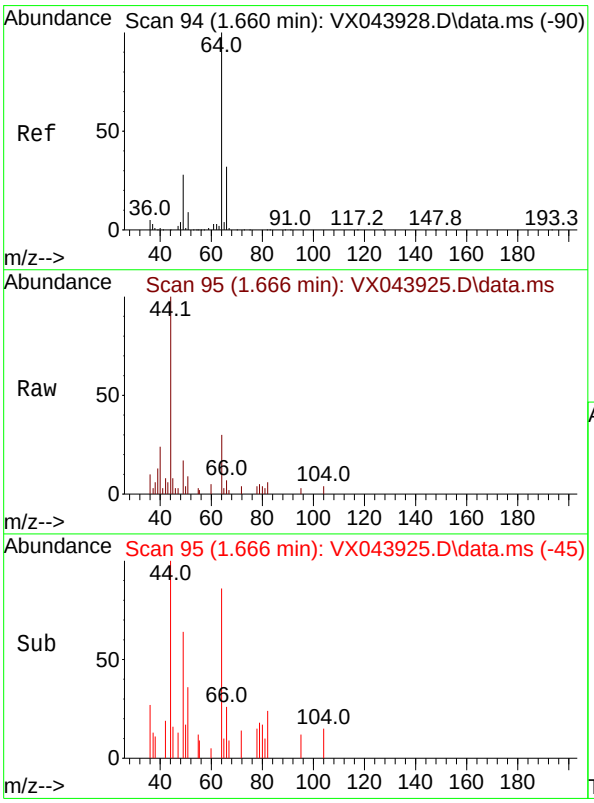
#5
Bromomethane
Concen: 1.405 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1826

Ion	Ratio	Lower	Upper
94	100		
96	119.3	73.9	110.9#

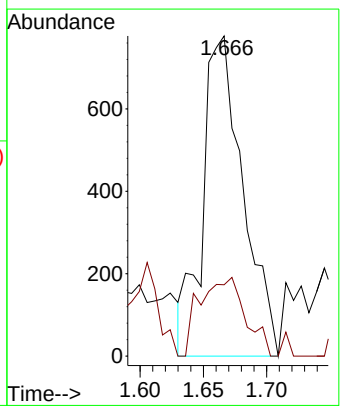


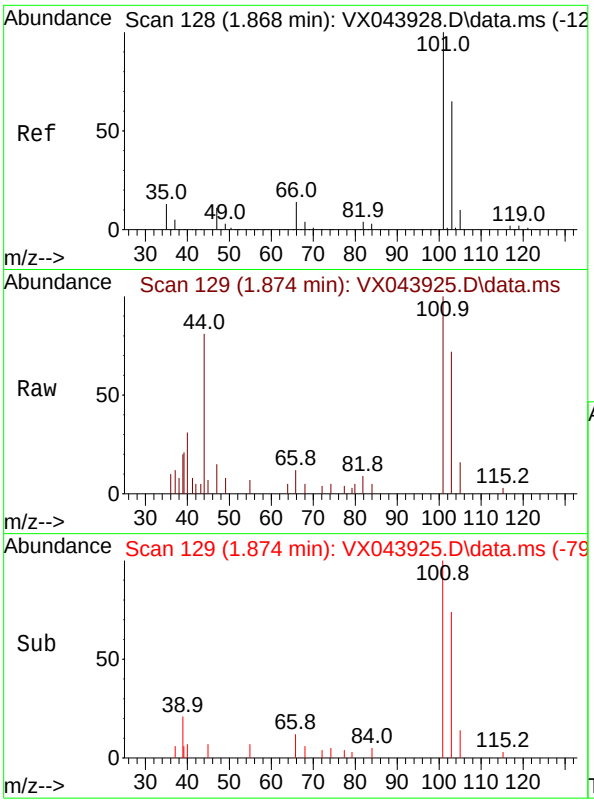


#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 64 Resp: 1724

Ion	Ratio	Lower	Upper
64	100		
66	22.3	25.9	38.9#



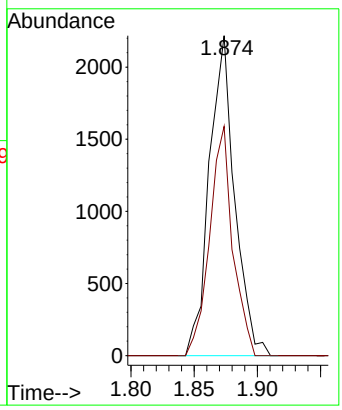


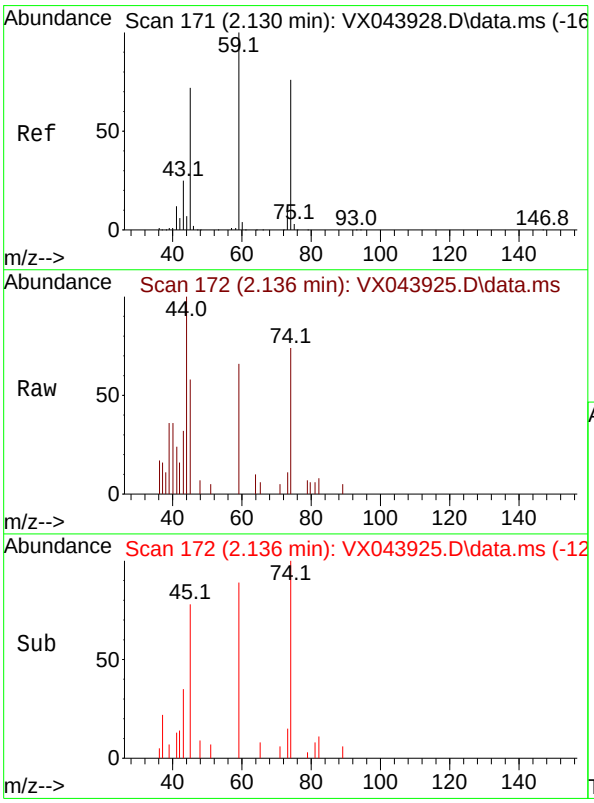
#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3093

Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.2	78.2

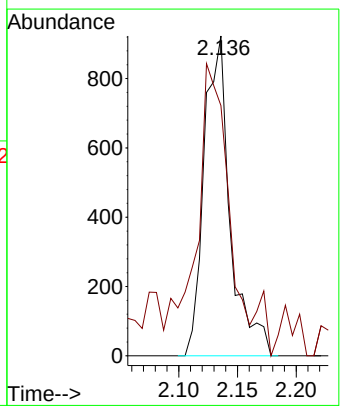


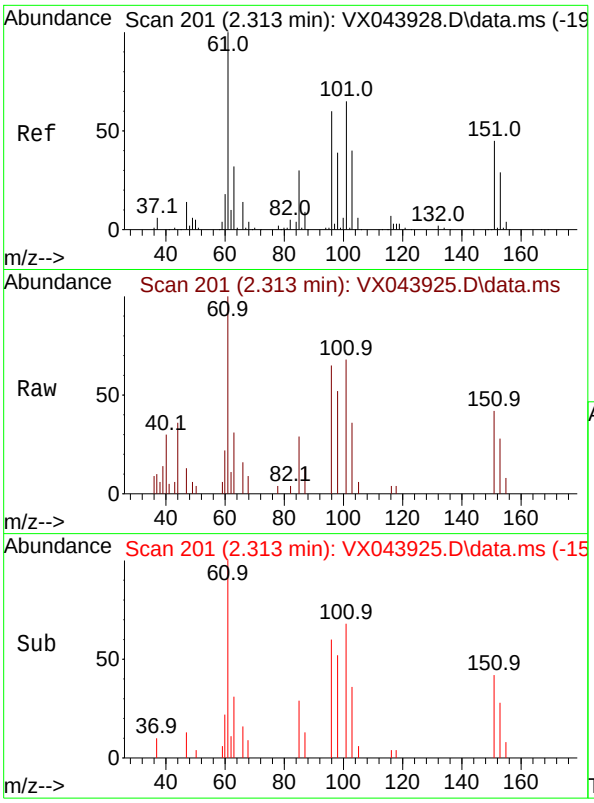


#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 74 Resp: 1421

Ion	Ratio	Lower	Upper
74	100		
45	120.1	47.9	143.6



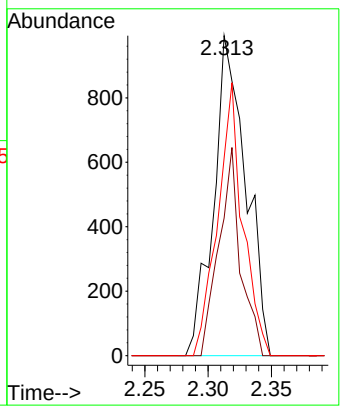


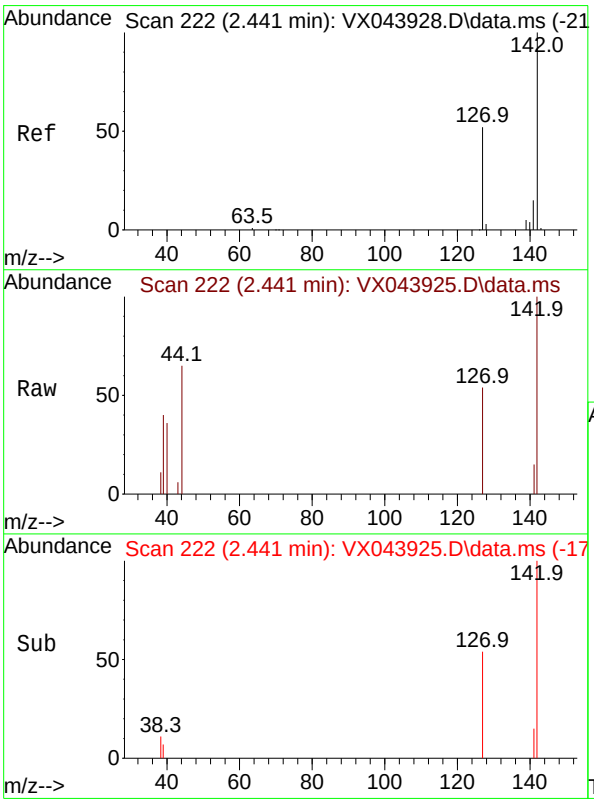
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1764

Ion	Ratio	Lower	Upper
101	100		
85	43.5	37.9	56.9
151	66.1	57.5	86.3

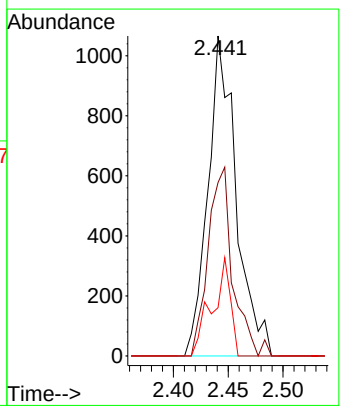


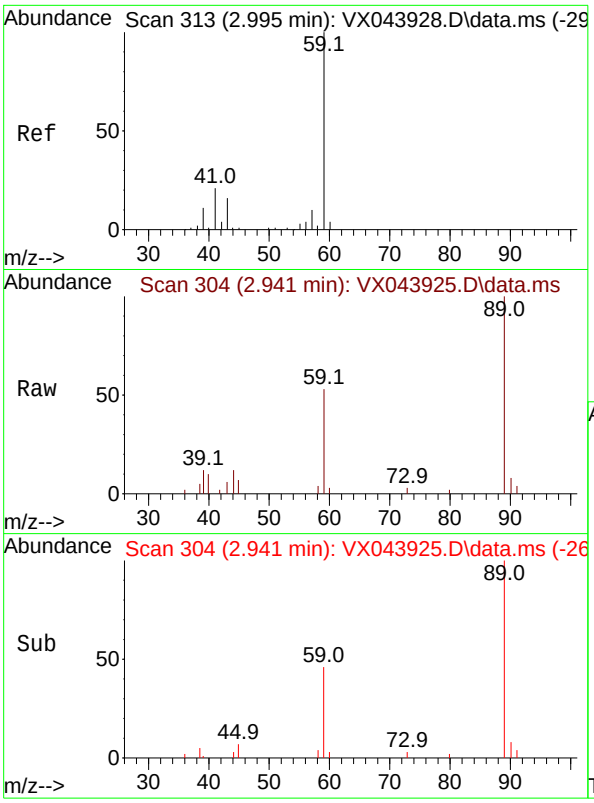


#10
Methyl Iodide
Concen: 0.849 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:142 Resp: 1911

Ion	Ratio	Lower	Upper
142	100		
127	51.4	40.7	61.1
141	19.9	12.0	18.0#



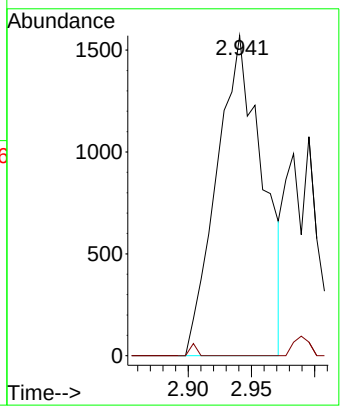


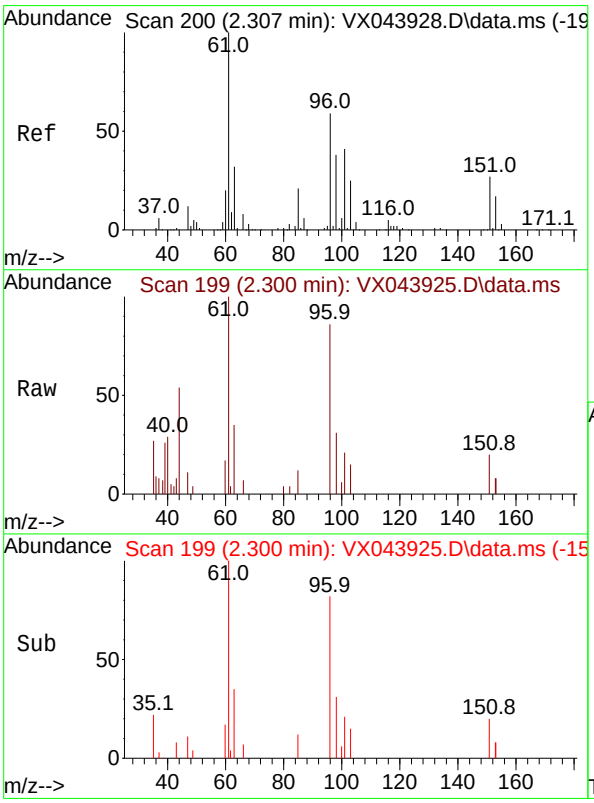
#11
Tert butyl alcohol
Concen: 9.628 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.055 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 3949

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

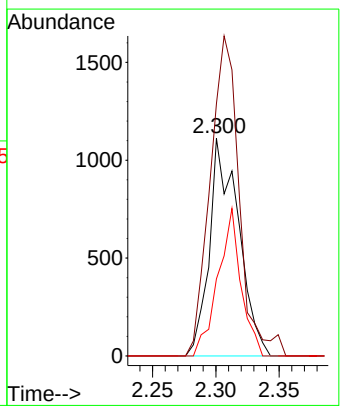


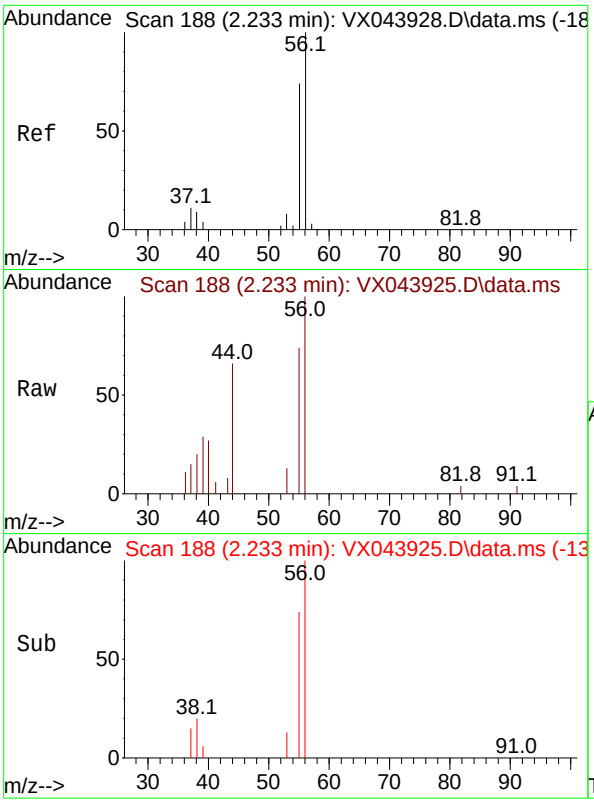


#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 1775

Ion	Ratio	Lower	Upper
96	100		
61	115.9	135.5	203.3#
98	35.4	50.8	76.2#



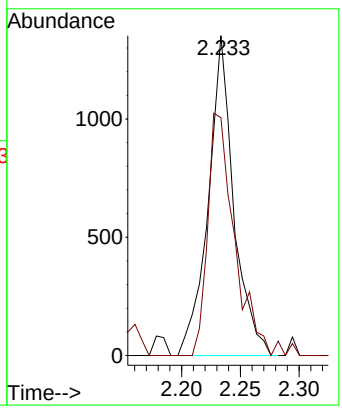


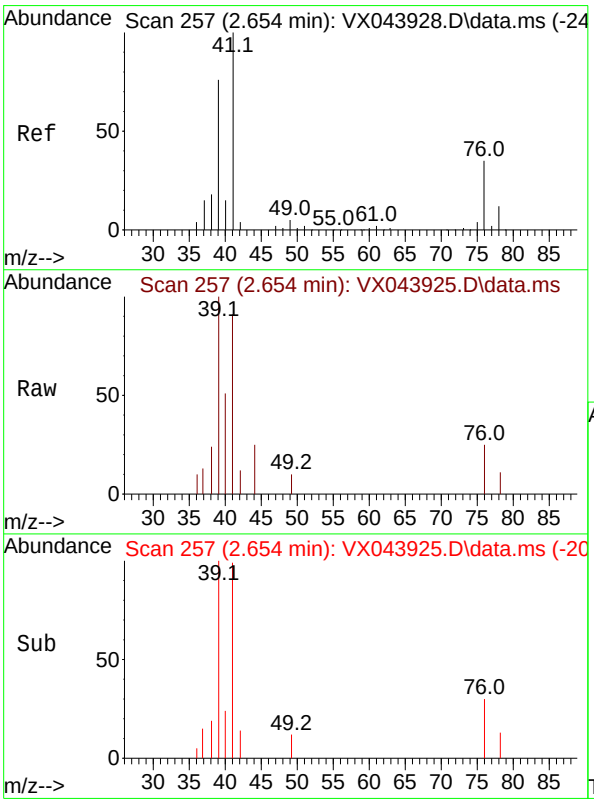
#13
Acrolein
Concen: 4.730 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2045

Ion	Ratio	Lower	Upper
56	100		
55	81.0	58.2	87.2

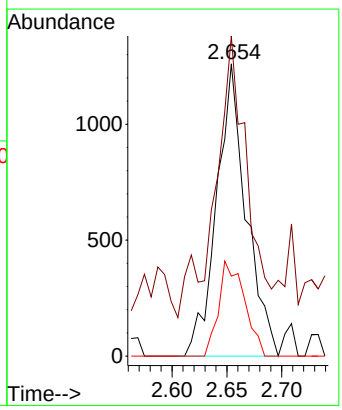


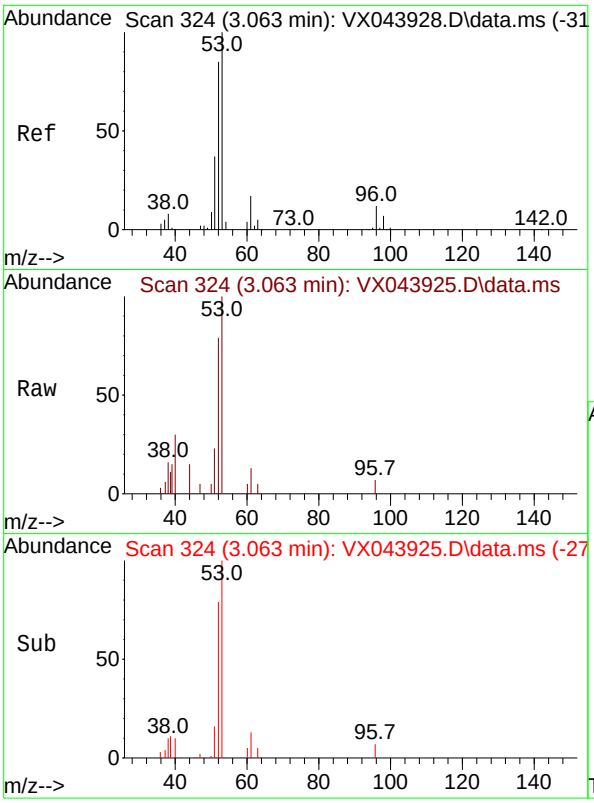


#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

Ion	Ratio	Lower	Upper
41	100		
39	85.9	59.5	89.3
76	28.3	27.4	41.2



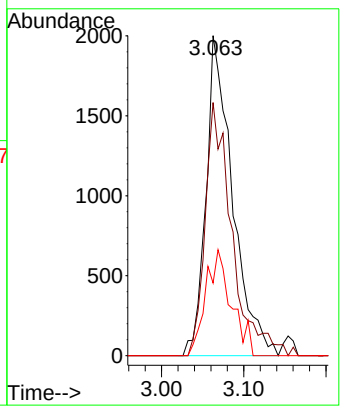


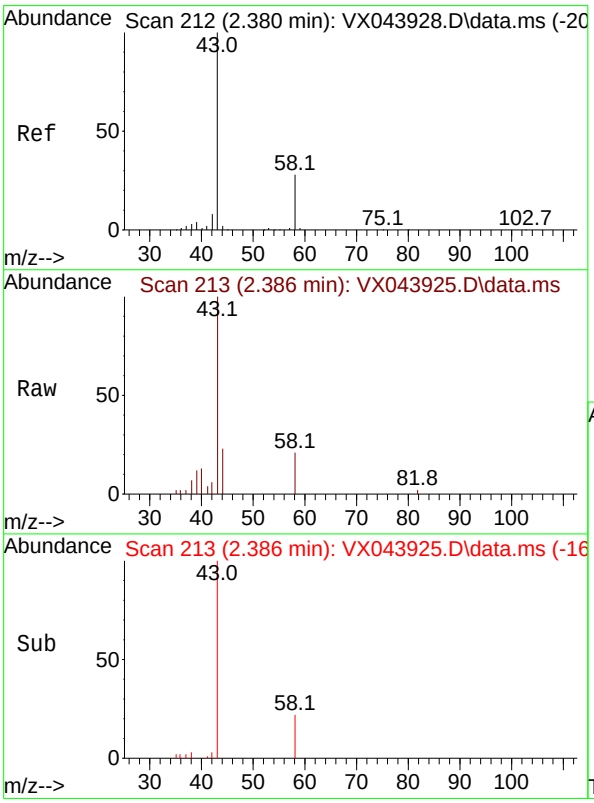
#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4483

Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.5	99.7
51	31.9	30.2	45.4

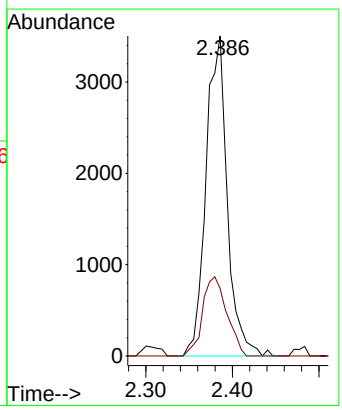


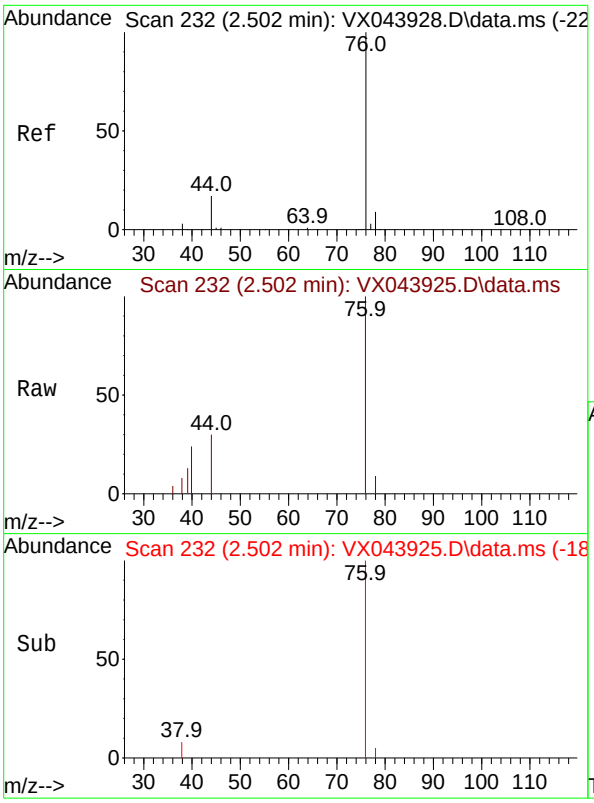


#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

Ion	Ratio	Lower	Upper
43	100		
58	21.1	22.7	34.1#



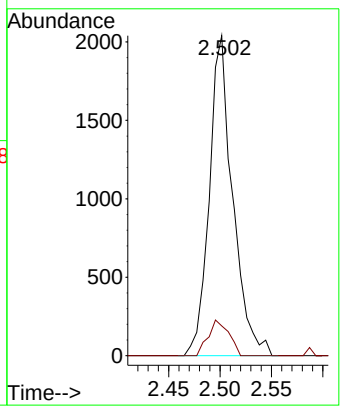


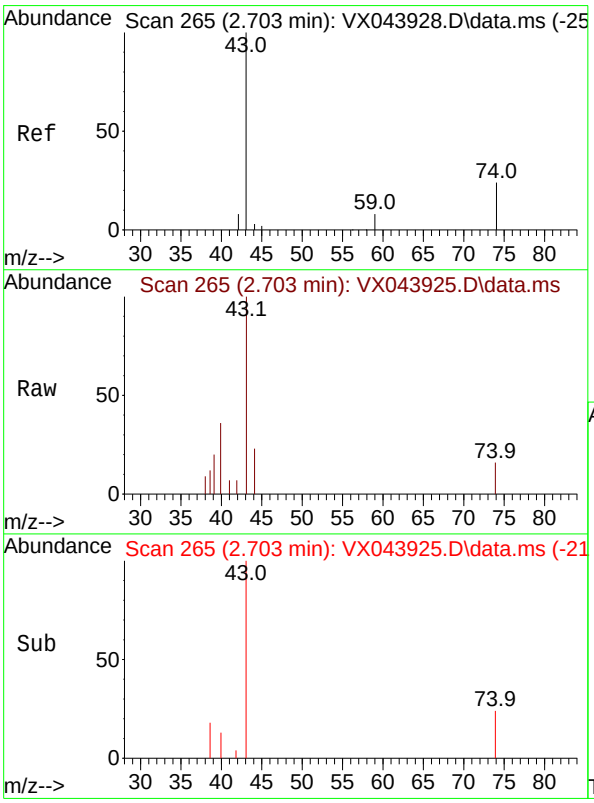
#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3223

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

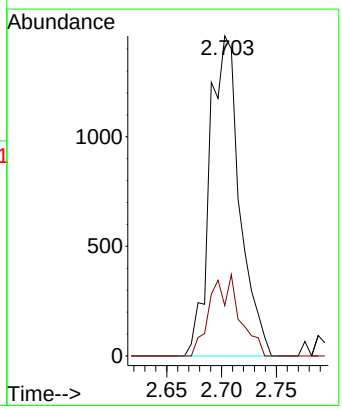


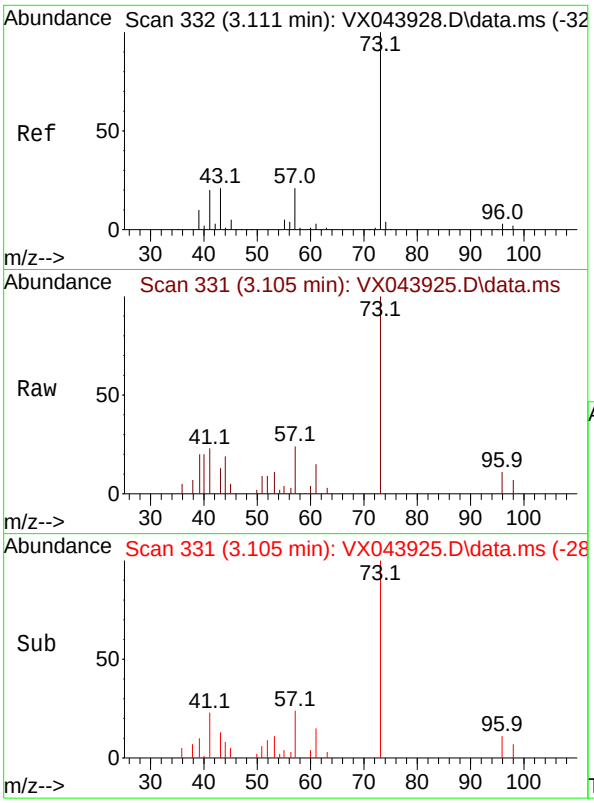


#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3



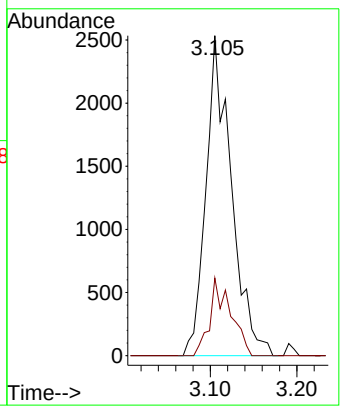


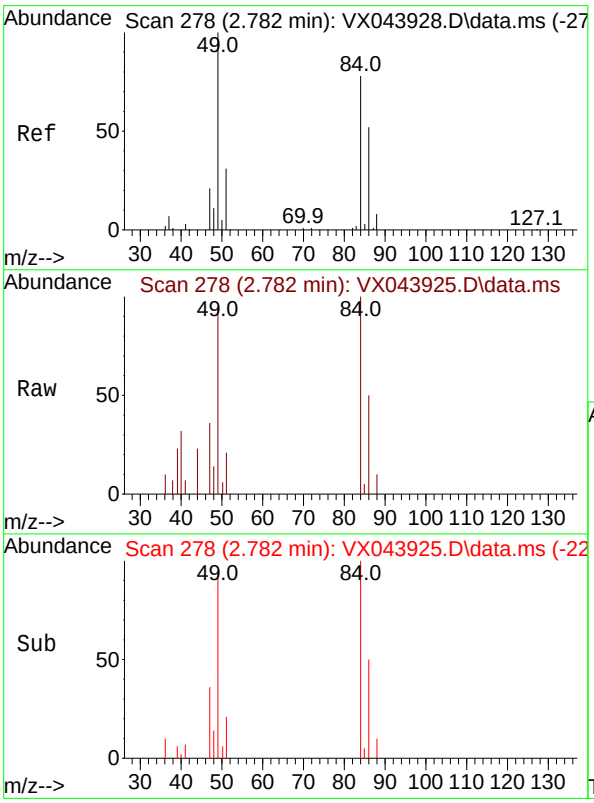
#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5162

Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.0	25.6

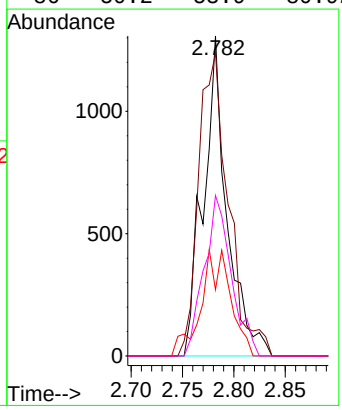


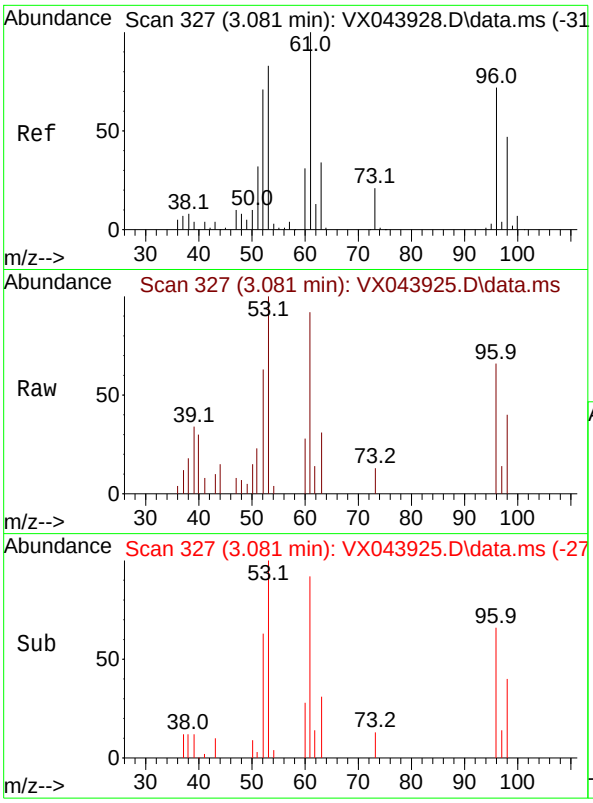


#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

Ion	Ratio	Lower	Upper
84	100		
49	94.8	102.7	154.1#
51	20.7	31.7	47.5#
86	50.2	53.9	80.9#



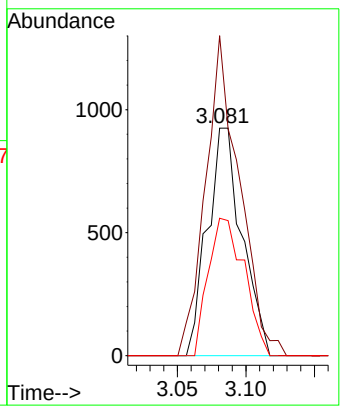


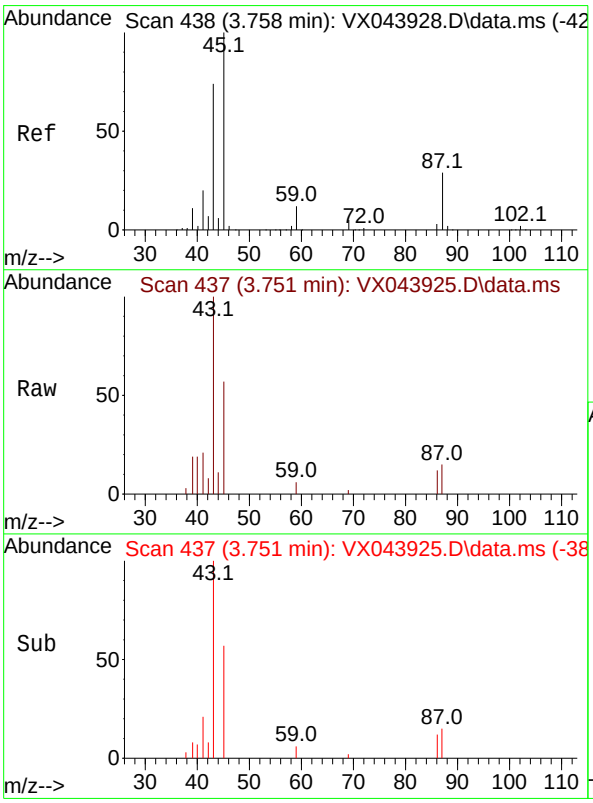
#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	140.6	111.8	167.6
98	60.4	52.7	79.1

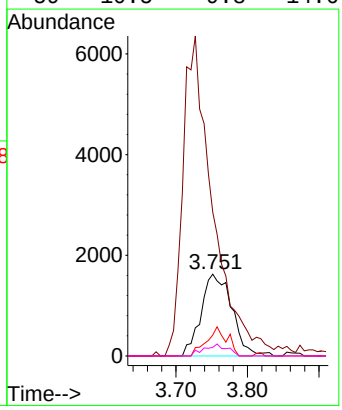


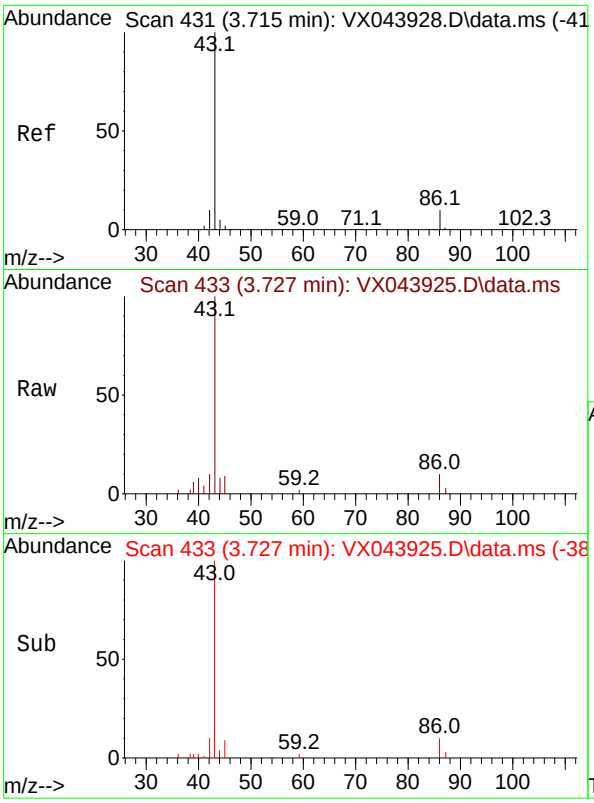


#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

Ion	Ratio	Lower	Upper
45	100		
43	164.2	59.6	89.4#
87	25.6	22.9	34.3
59	10.5	9.8	14.6



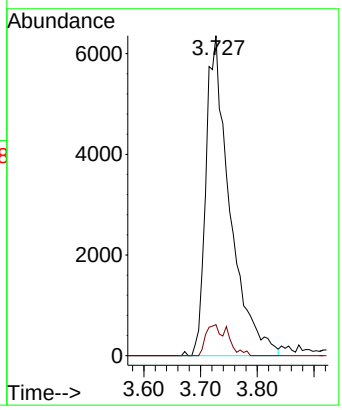


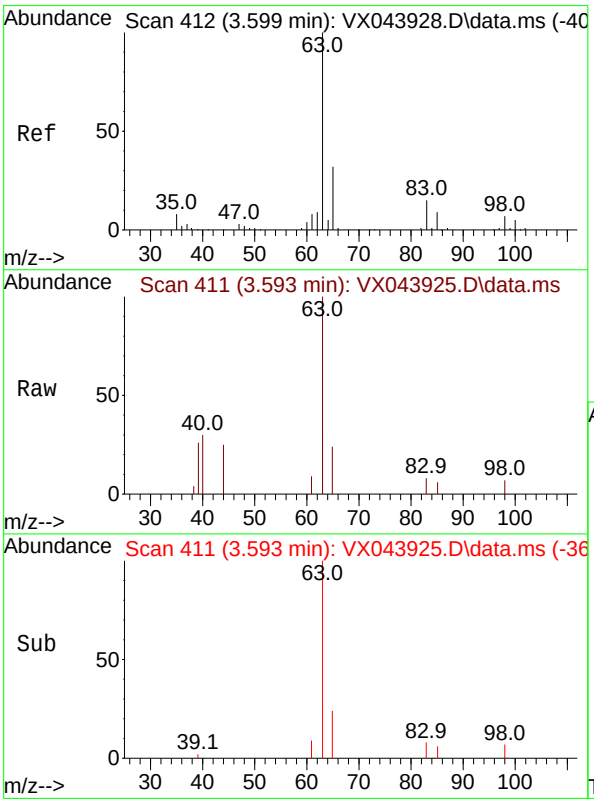
#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 18541

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.3	12.5

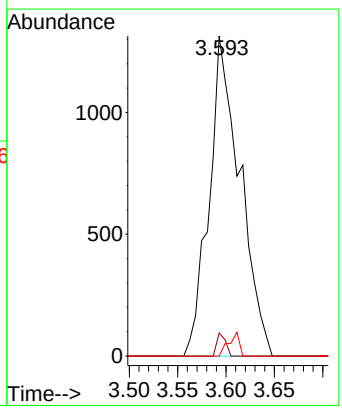


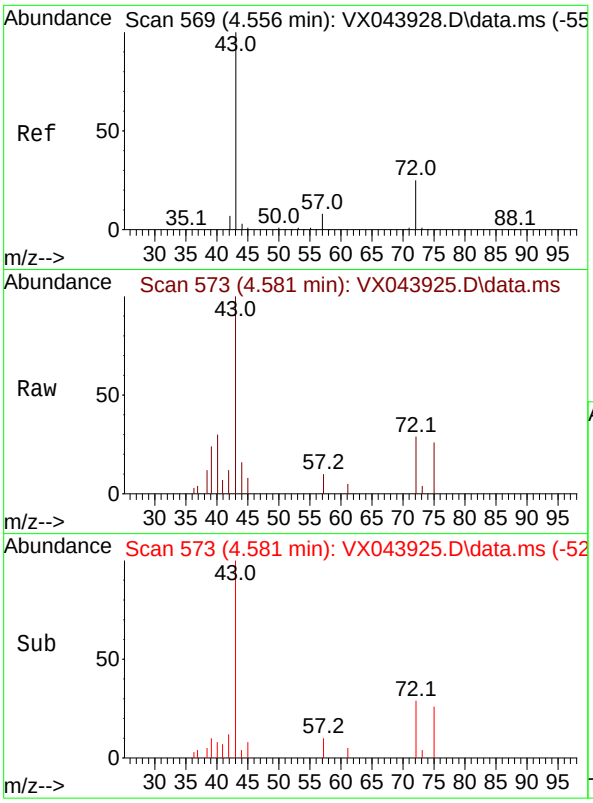


#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	0.0	2.4	7.1#



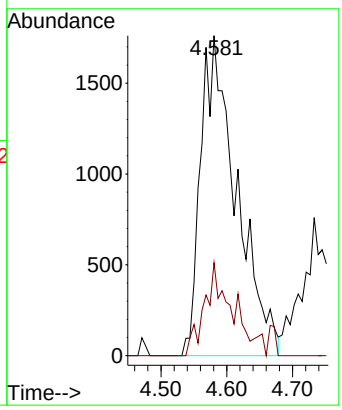


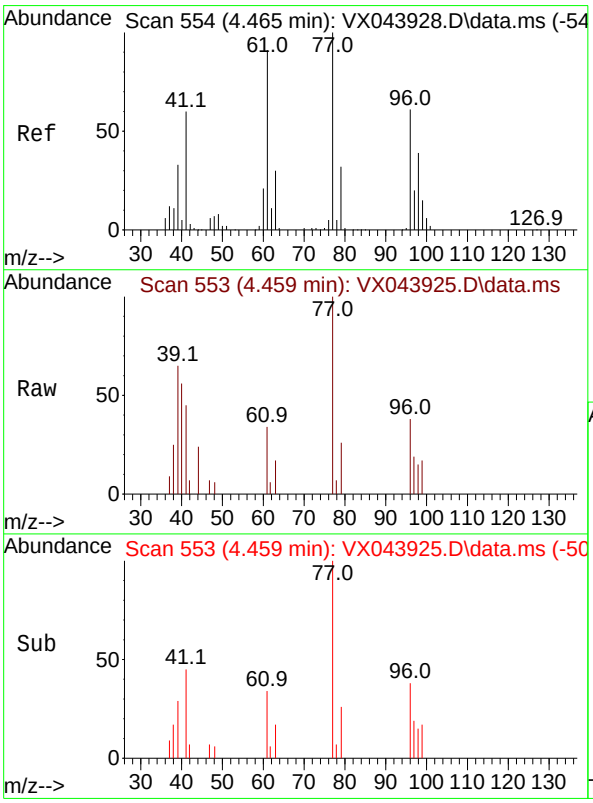
#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6676

Ion	Ratio	Lower	Upper
43	100		
72	29.1	20.2	30.2

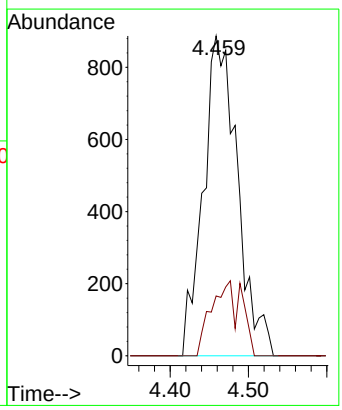


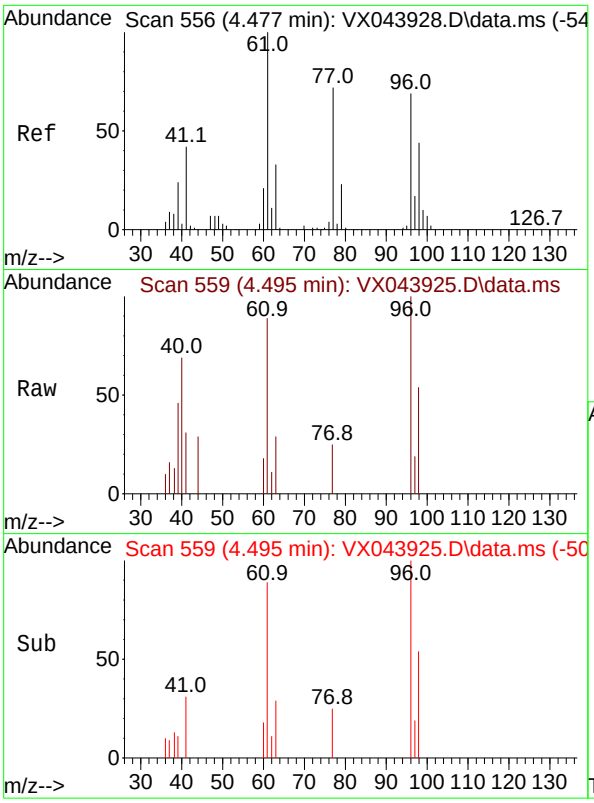


#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

Ion	Ratio	Lower	Upper
77	100		
97	15.1	10.8	32.3



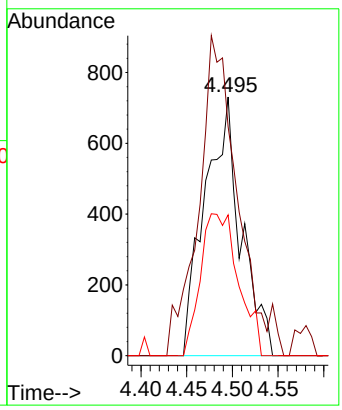


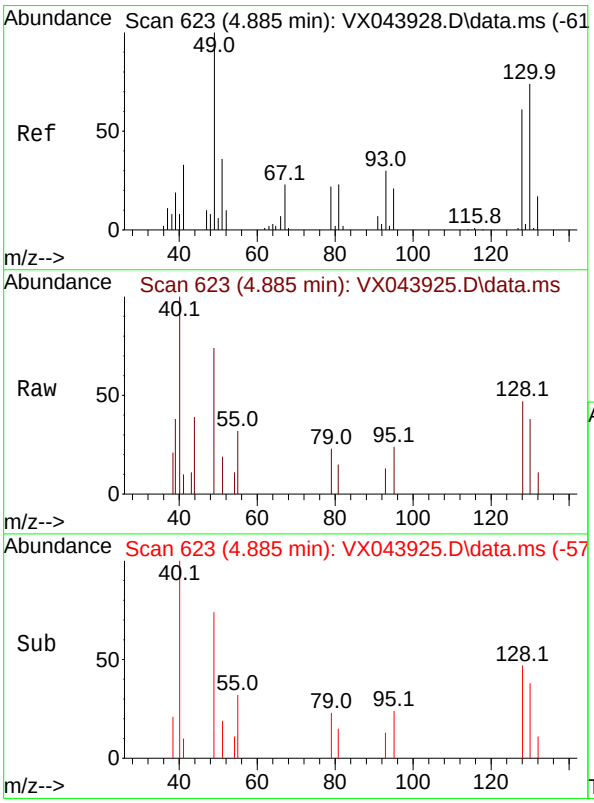
#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2007

Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	297.4
98	57.8	0.0	127.8

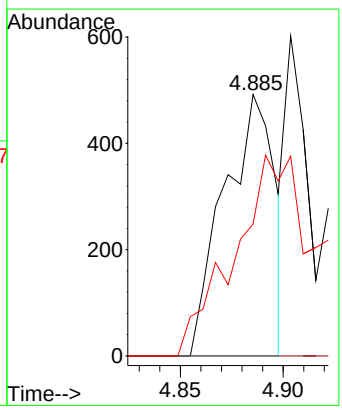


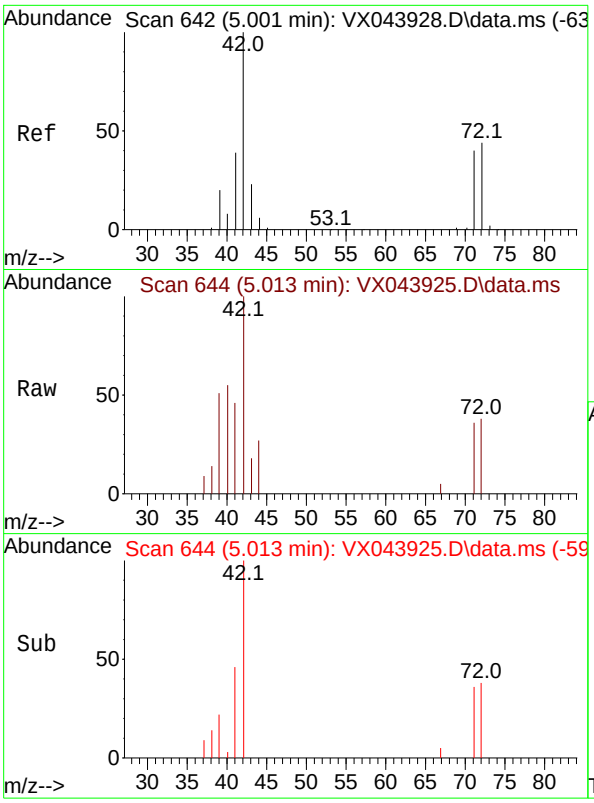


#28
Bromochloromethane
Concen: 0.553 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 842

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	118.8	59.0	88.6#



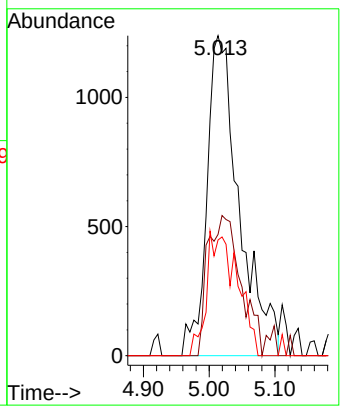


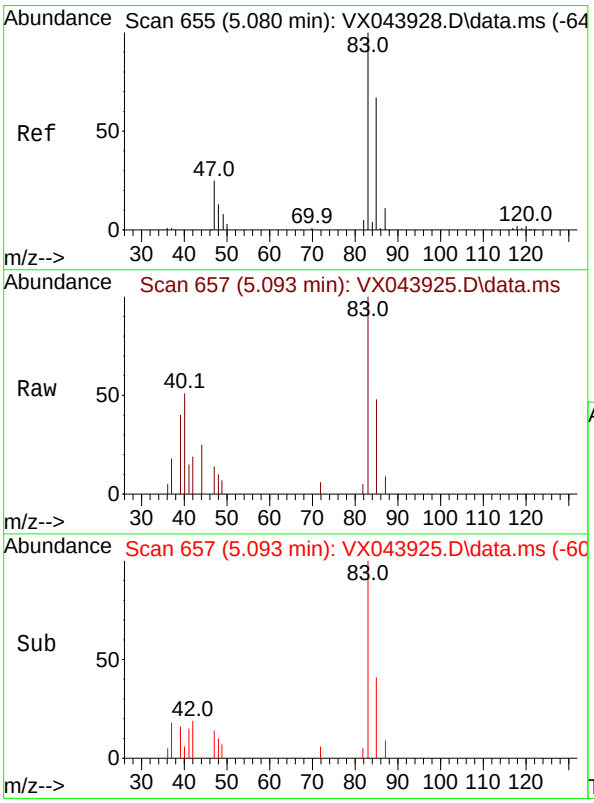
#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4264

Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	36.6	33.4	50.0

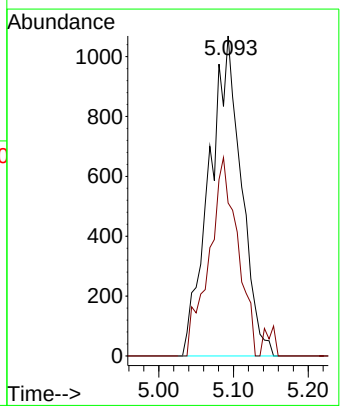


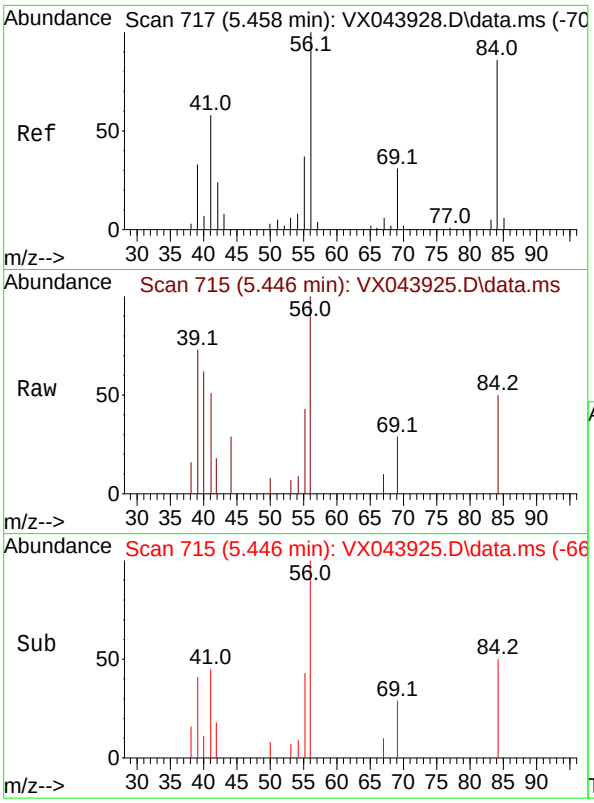


#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

Ion	Ratio	Lower	Upper
83	100		
85	47.8	53.5	80.3#



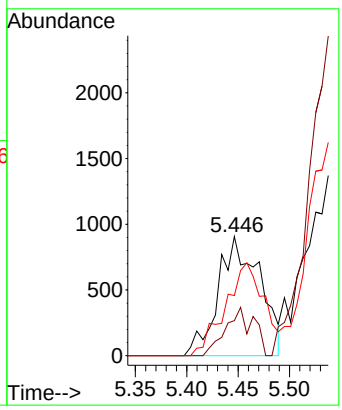


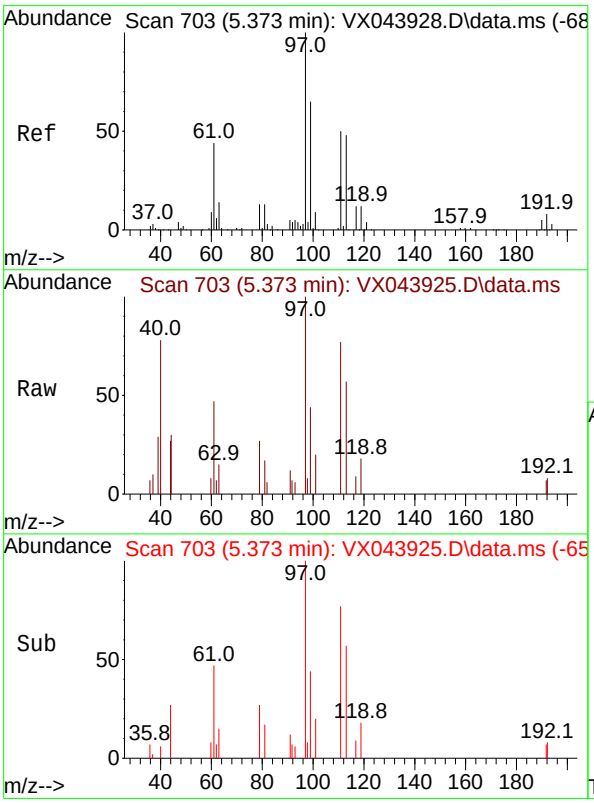
#31
Cyclohexane
Concen: 0.900 ug/l
RT: 5.446 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2563

Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.7	37.1
84	50.5	68.7	103.1#

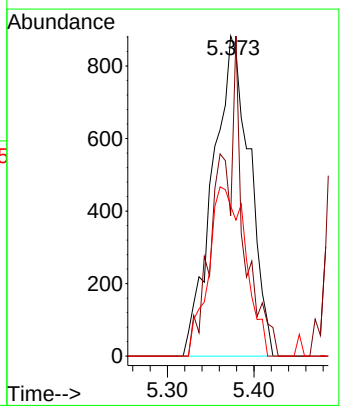


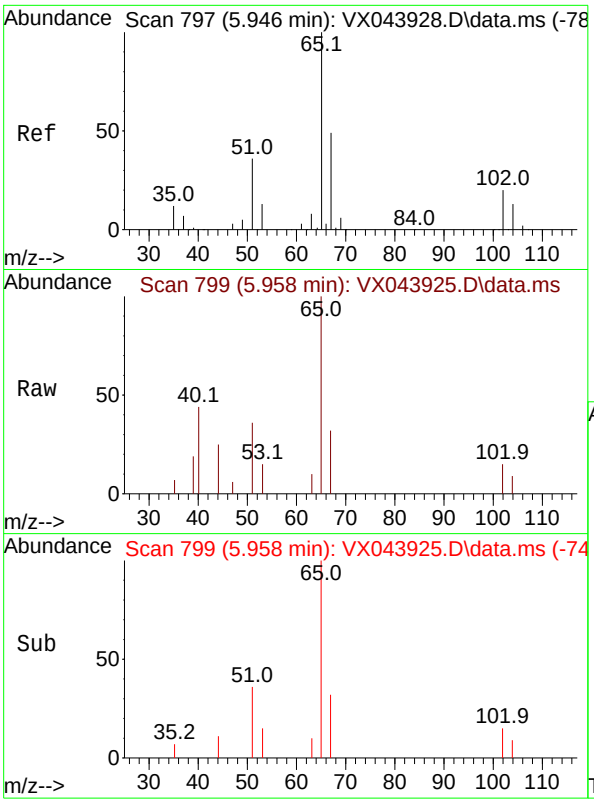


#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 2600

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	53.3	35.4	53.2#



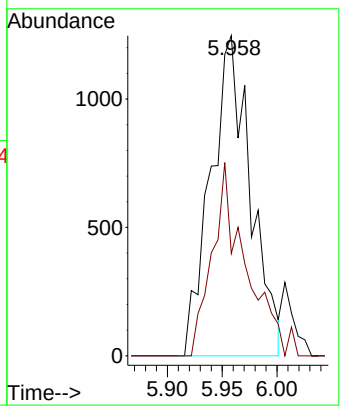


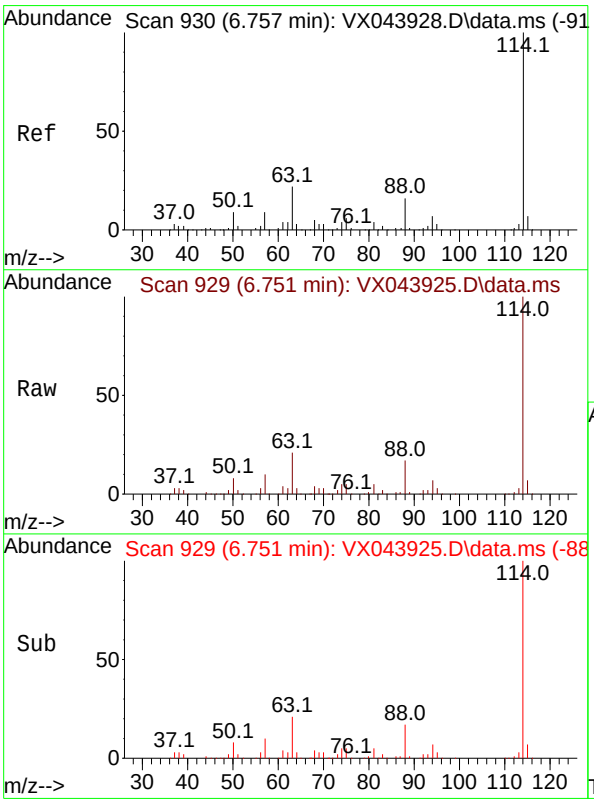
#33
1,2-Dichloroethane-d4
Concen: 1.232 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3148

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	100.8

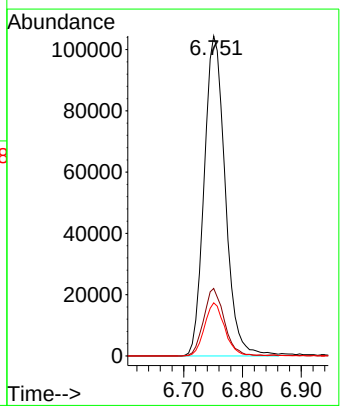


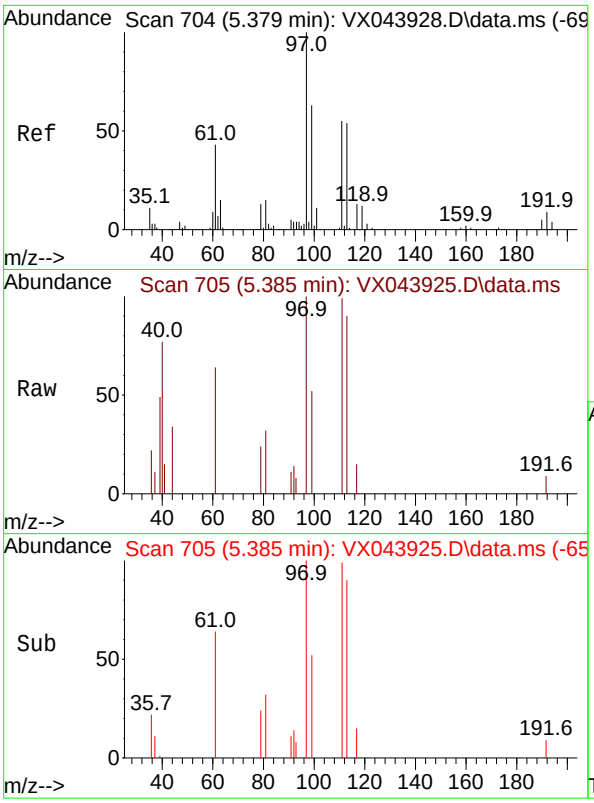


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:114 Resp: 260569

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	32.4



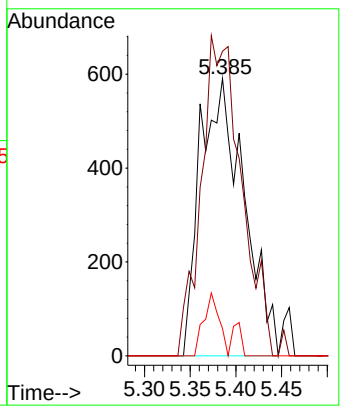


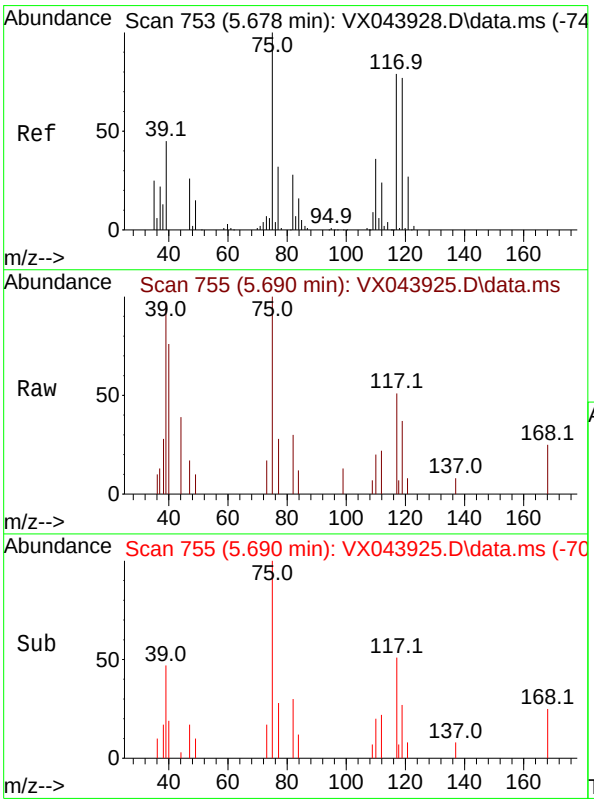
#35
Dibromofluoromethane
Concen: 1.063 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1980

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.0	121.4
192	7.9	13.0	19.6#

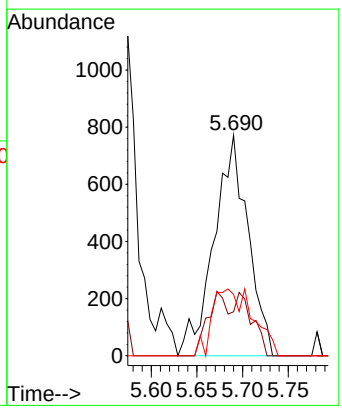


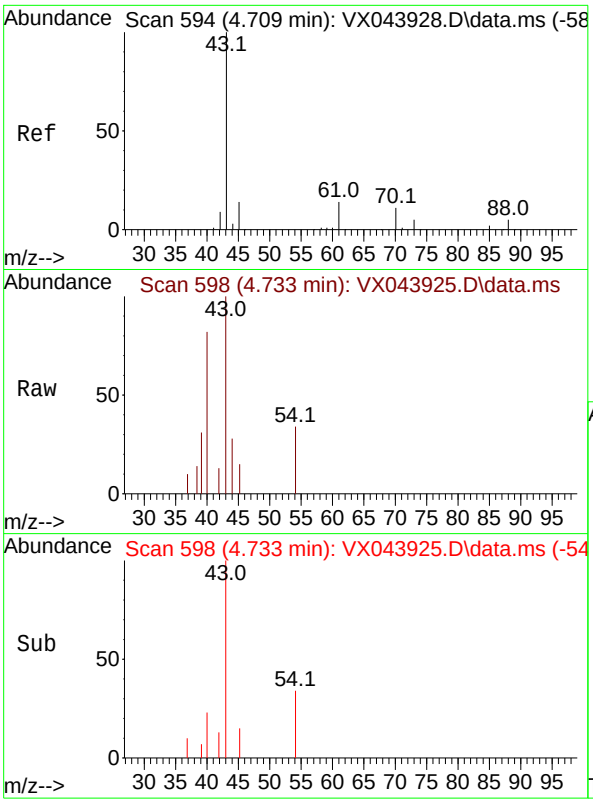


#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1993

Ion	Ratio	Lower	Upper
75	100		
110	16.7	17.4	52.2#
77	36.6	25.8	38.8



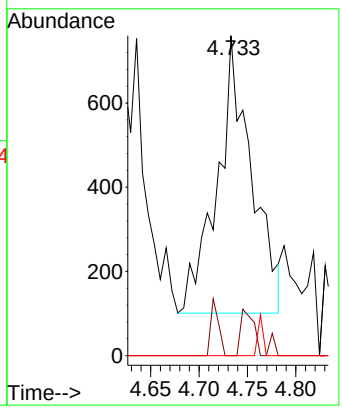


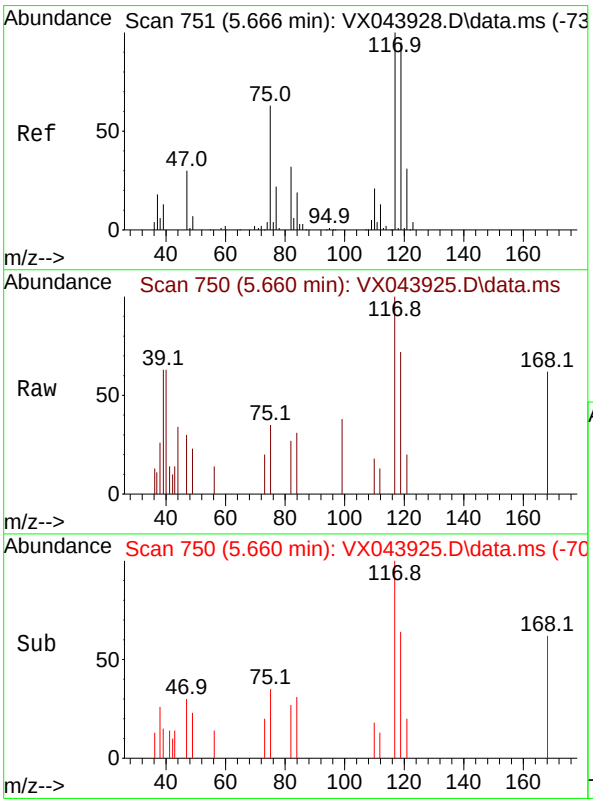
#37
Ethyl Acetate
Concen: 0.567 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1632

Ion	Ratio	Lower	Upper
43	100		
61	6.3	10.7	16.1#
70	0.0	8.0	12.0#

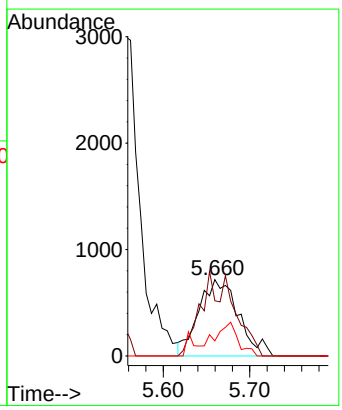


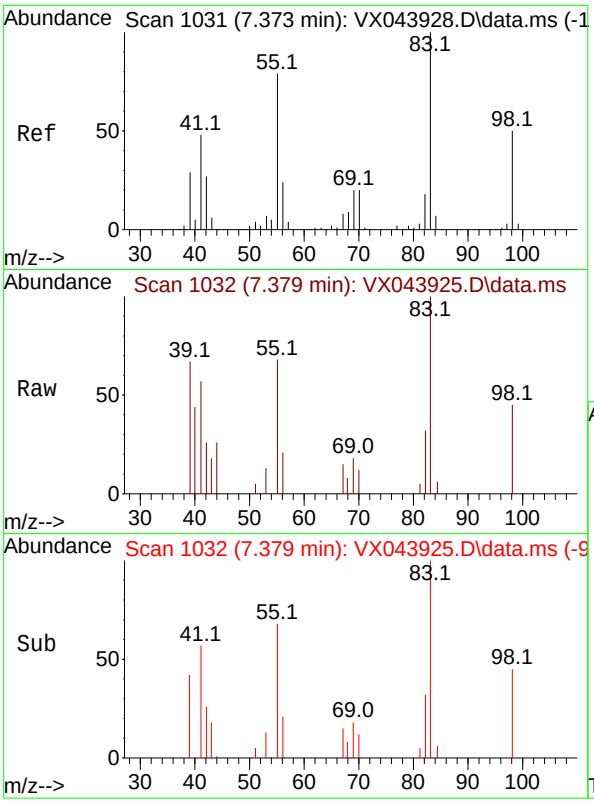


#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 2287

Ion	Ratio	Lower	Upper
117	100		
119	72.4	75.2	112.8#
121	19.7	24.5	36.7#



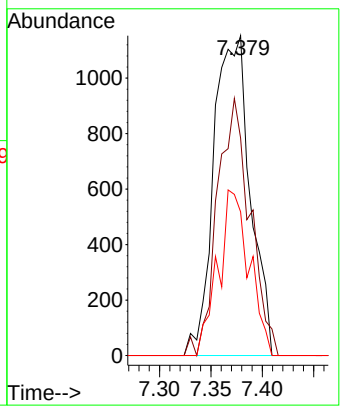


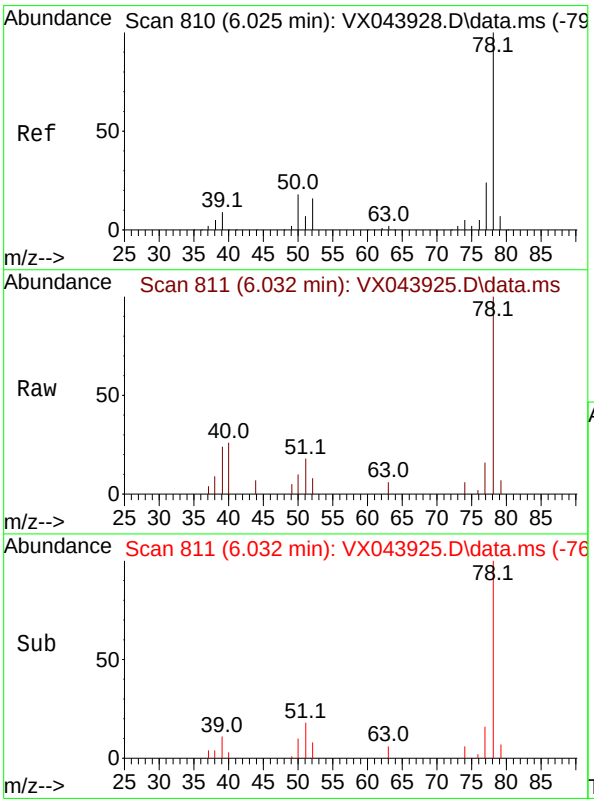
#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2835

Ion	Ratio	Lower	Upper
83	100		
55	68.0	63.1	94.7
98	44.9	40.0	60.0

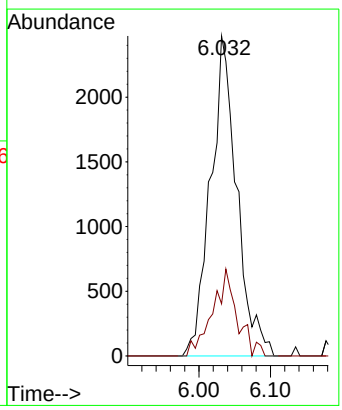


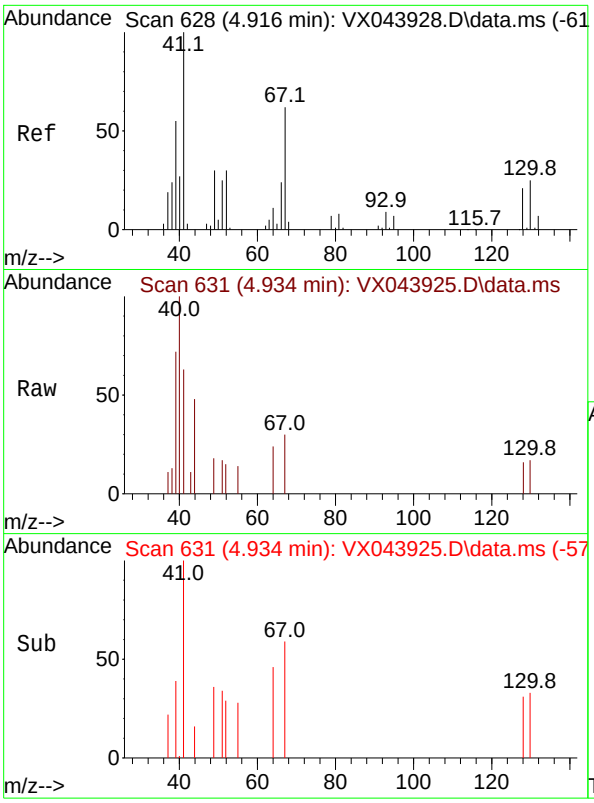


#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 6312

Ion	Ratio	Lower	Upper
78	100		
77	16.3	19.2	28.8#



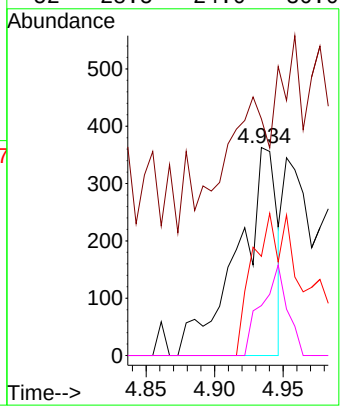


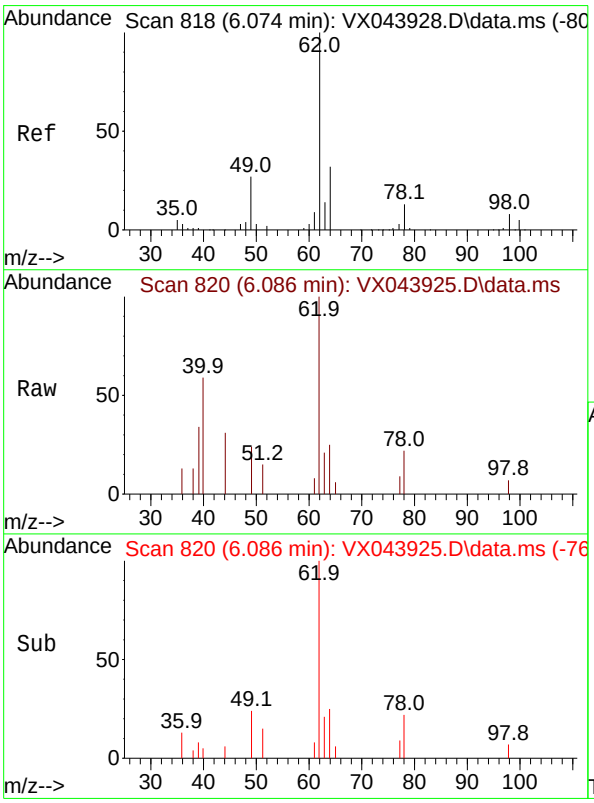
#41
Methacrylonitrile
Concen: 0.491 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 724

Ion	Ratio	Lower	Upper
41	100		
39	34.9	41.7	62.5#
67	89.8	55.8	83.8#
52	28.5	24.0	36.0

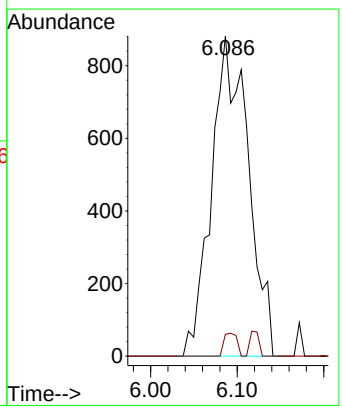


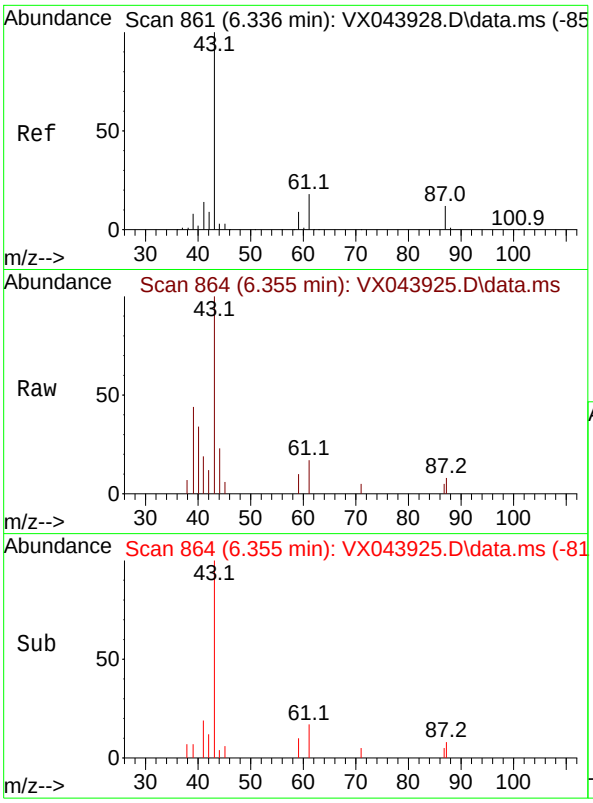


#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2602

Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	16.4



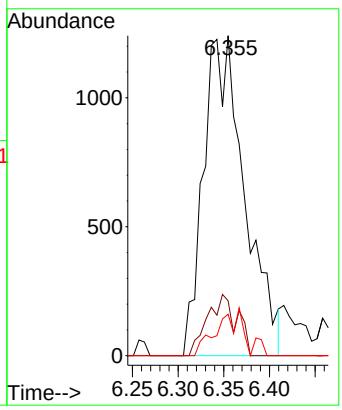


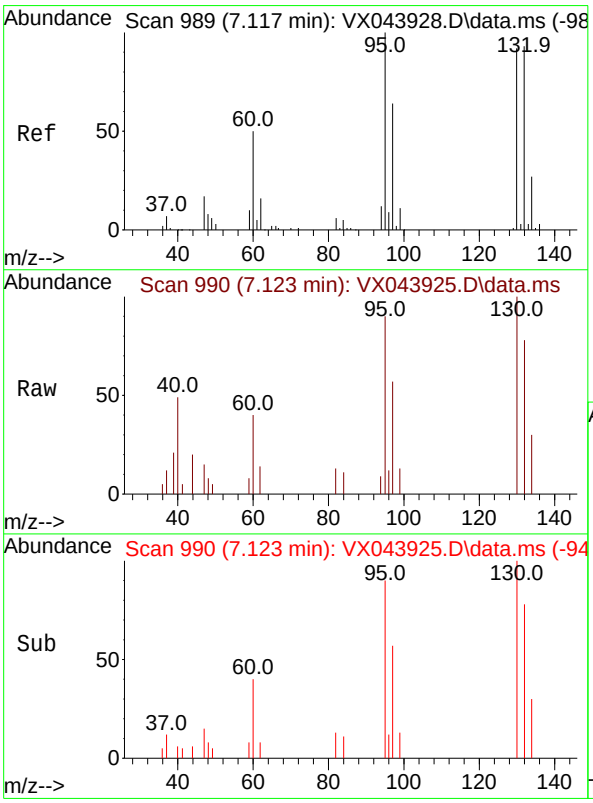
#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3881

Ion	Ratio	Lower	Upper
43	100		
61	13.8	14.5	21.7#
87	8.9	10.2	15.2#

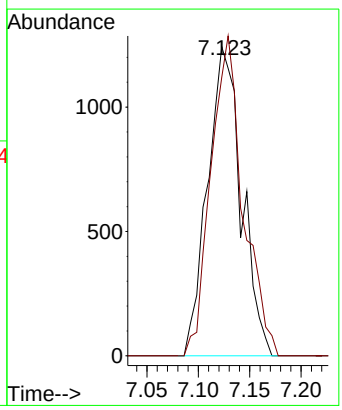


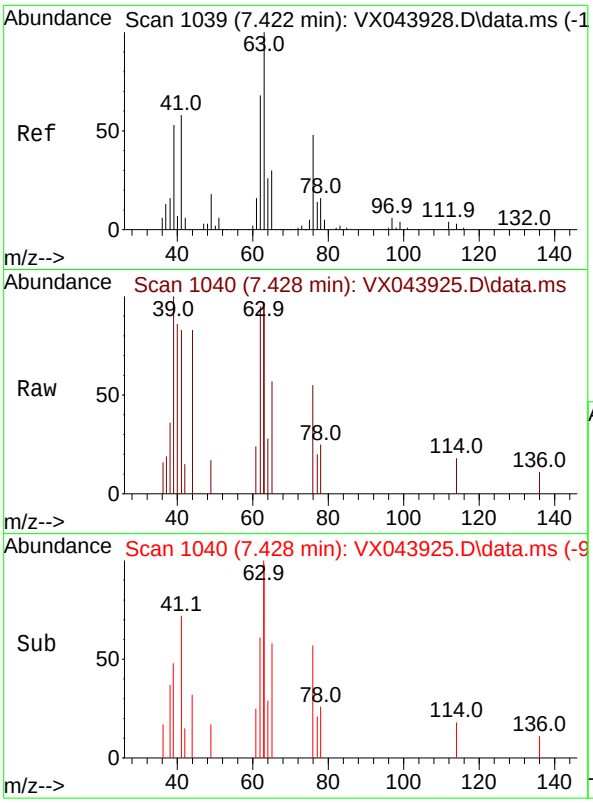


#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:130 Resp: 2850

Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	217.8



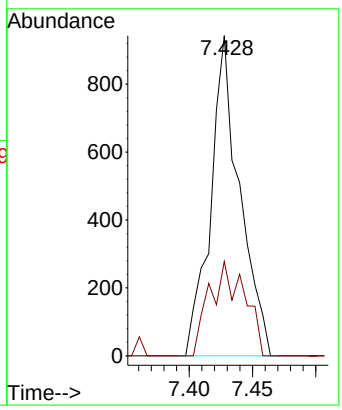


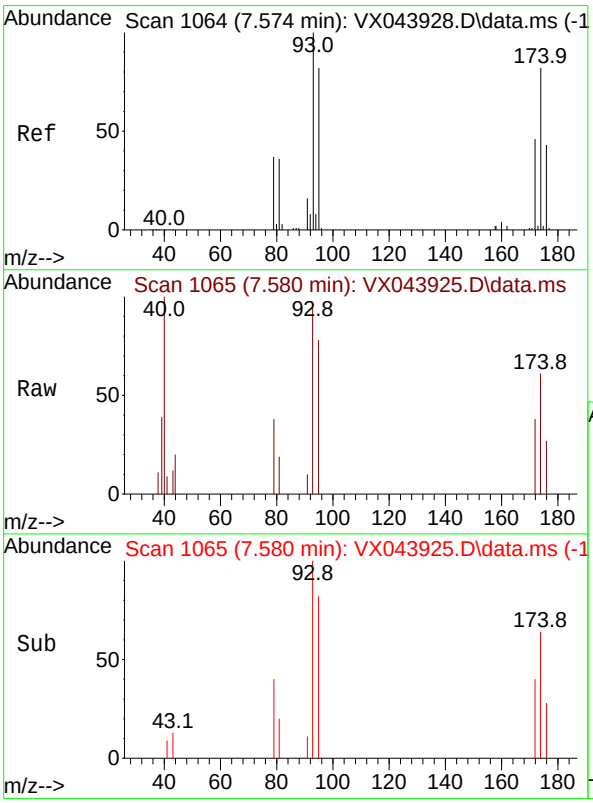
#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1503

Ion	Ratio	Lower	Upper
63	100		
65	29.5	23.8	35.6

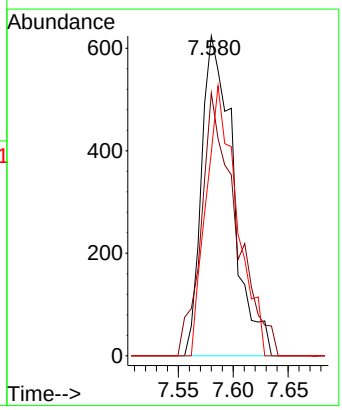


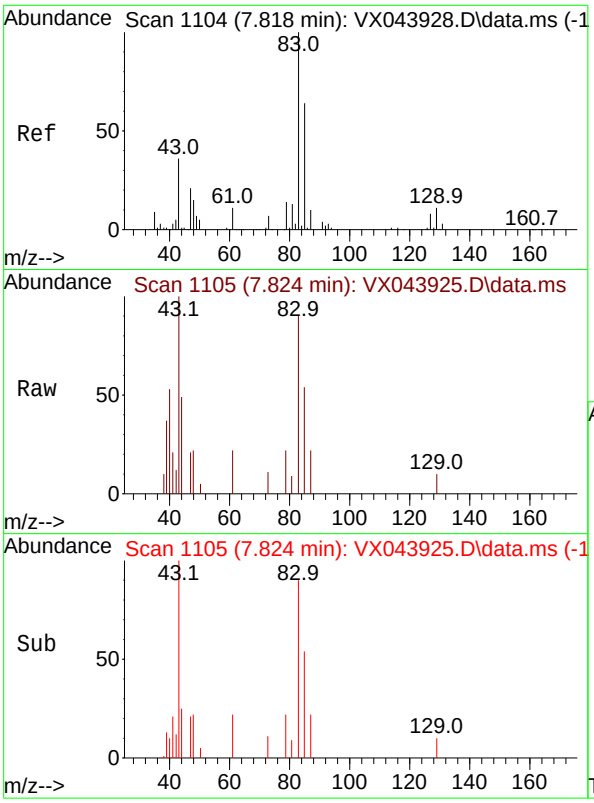


#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 1246

Ion	Ratio	Lower	Upper
93	100		
95	90.4	66.2	99.4
174	83.1	69.6	104.4



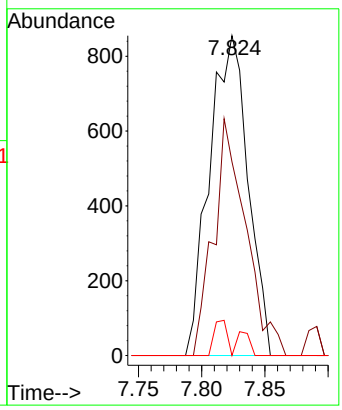


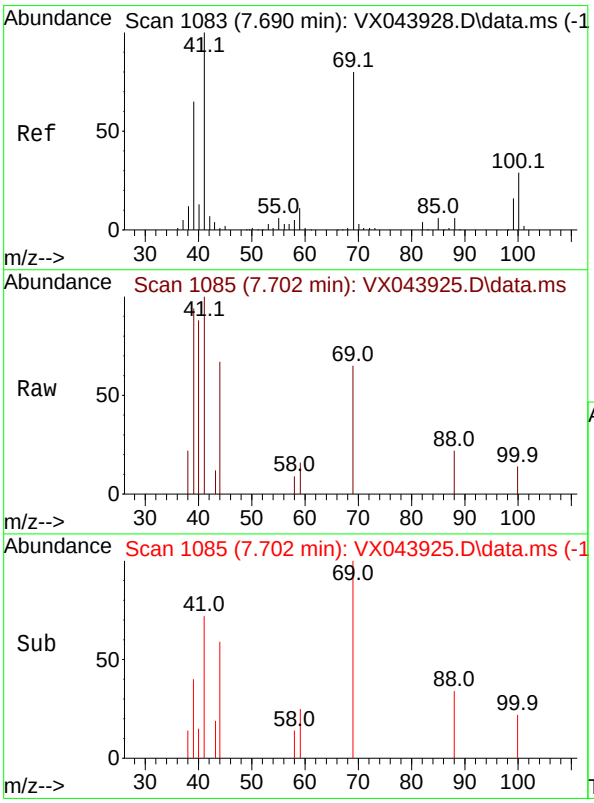
#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1819

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.0
127	0.0	6.6	10.0#

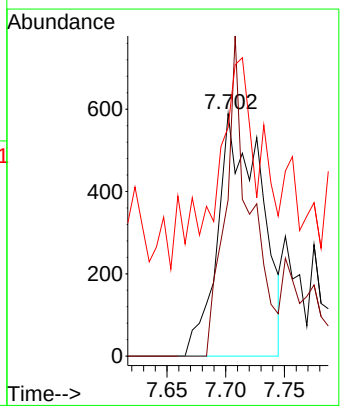


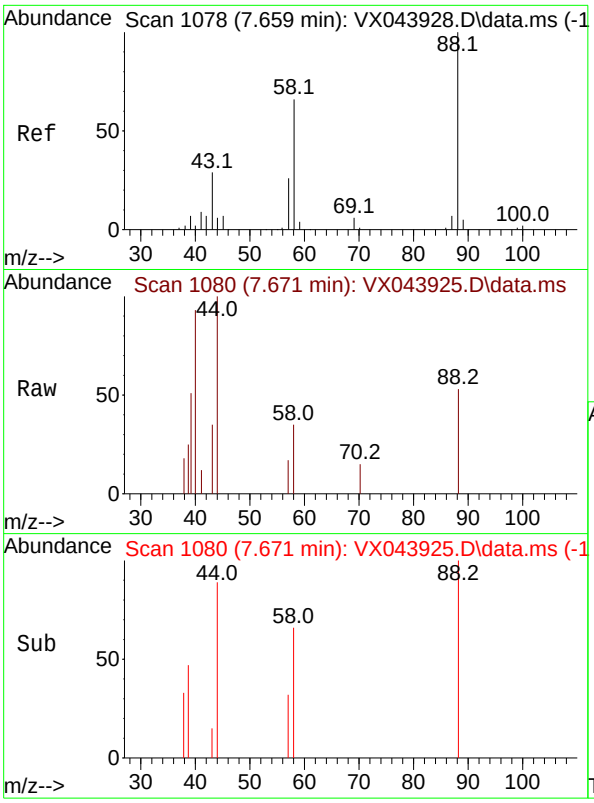


#48
Methyl methacrylate
Concen: 0.687 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1511

Ion	Ratio	Lower	Upper
41	100		
69	76.8	64.6	97.0
39	53.8	53.3	79.9



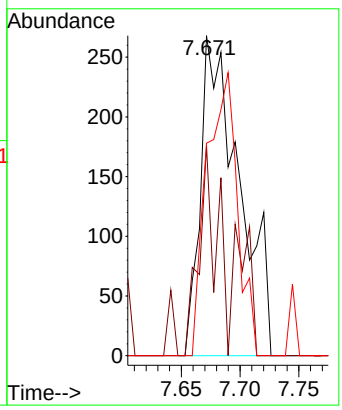


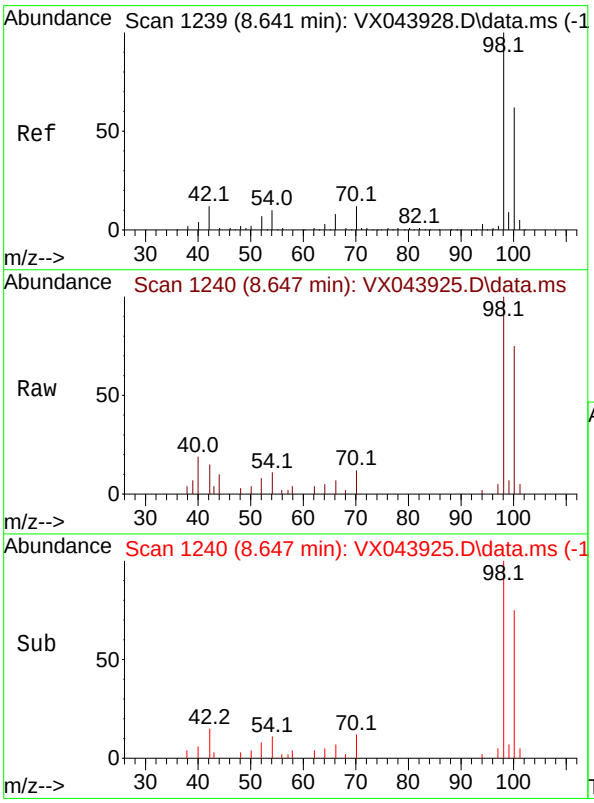
#49
1,4-Dioxane
Concen: 16.166 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 613

Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.8	40.2
58	0.0	45.4	68.2#

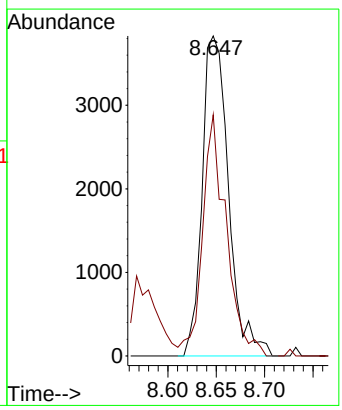


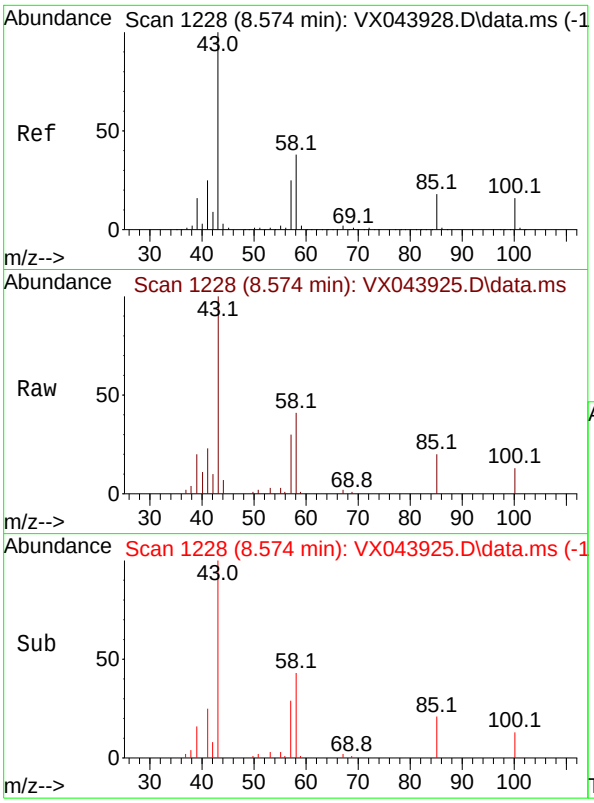


#50
Toluene-d8
Concen: 1.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 98 Resp: 7267

Ion	Ratio	Lower	Upper
98	100		
100	67.5	52.6	79.0



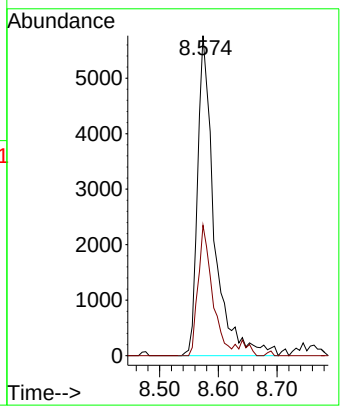


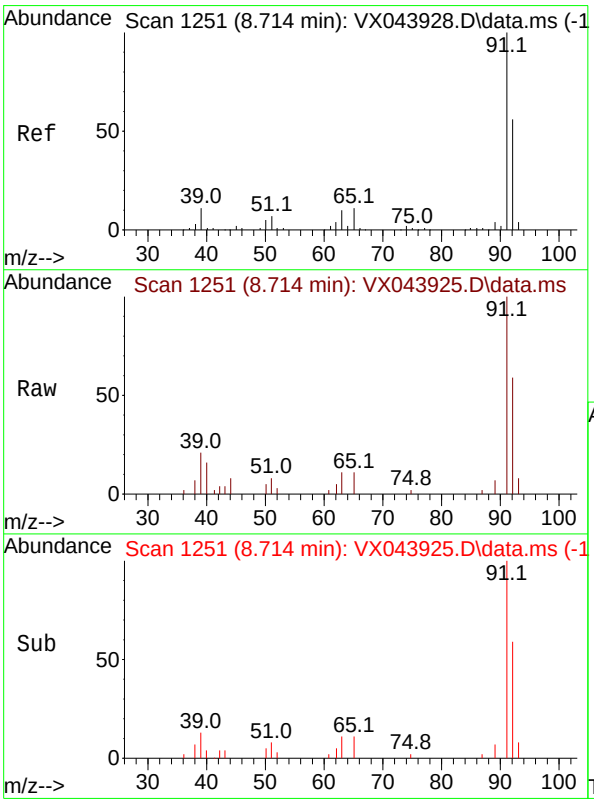
#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11392

Ion	Ratio	Lower	Upper
43	100		
58	34.9	30.0	45.0

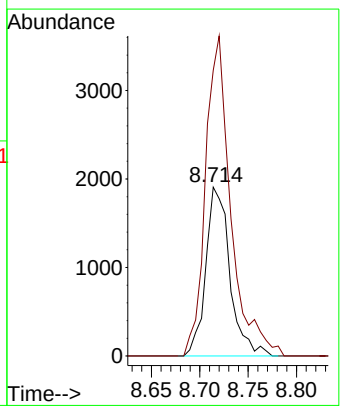


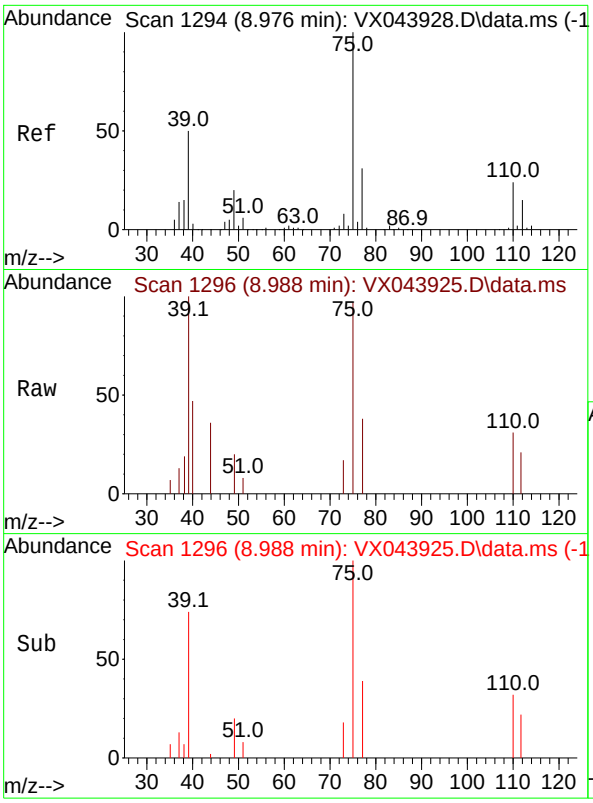


#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 3313

Ion	Ratio	Lower	Upper
92	100		
91	199.1	139.7	209.5



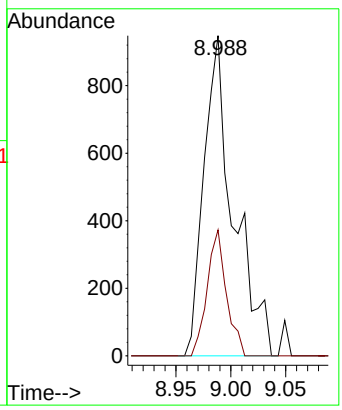


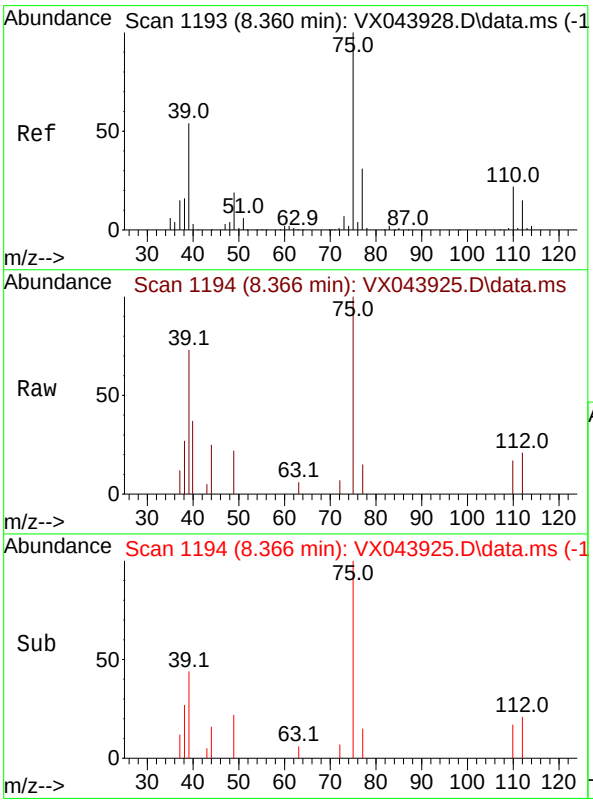
#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1776

Ion	Ratio	Lower	Upper
75	100		
77	39.3	25.1	37.7#

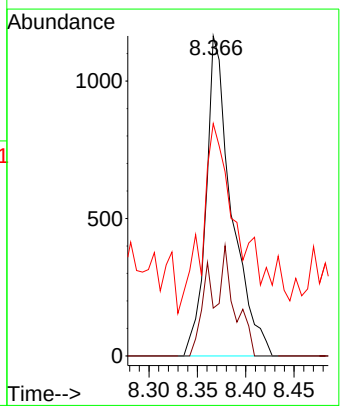


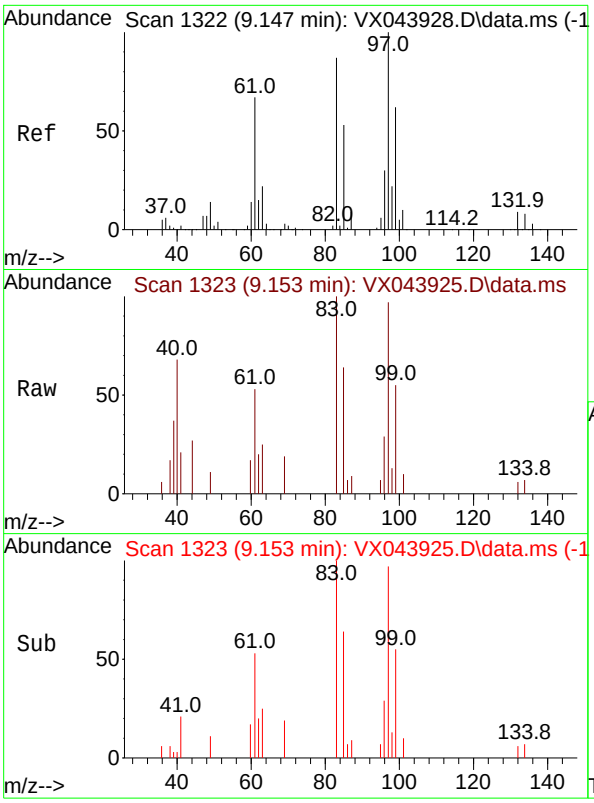


#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2132

Ion	Ratio	Lower	Upper
75	100		
77	14.9	25.2	37.8#
39	59.3	43.1	64.7



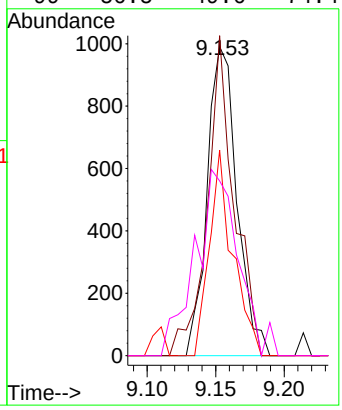


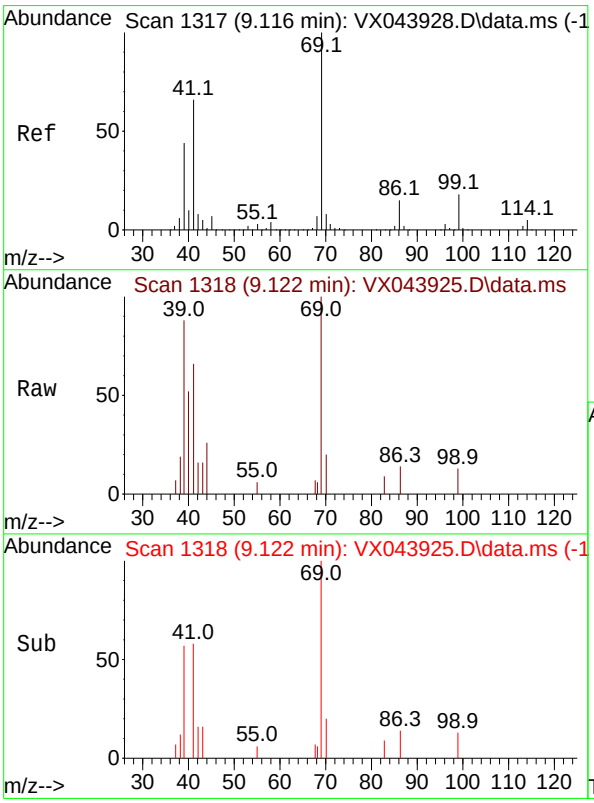
#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1496

Ion	Ratio	Lower	Upper
97	100		
83	103.5	69.4	104.0
85	66.5	42.3	63.5#
99	56.5	49.6	74.4

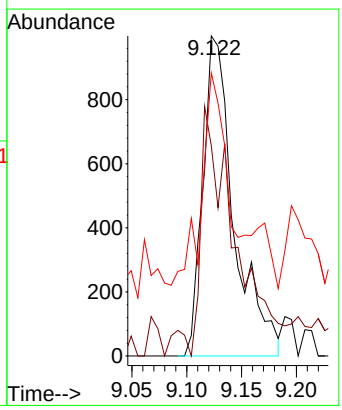


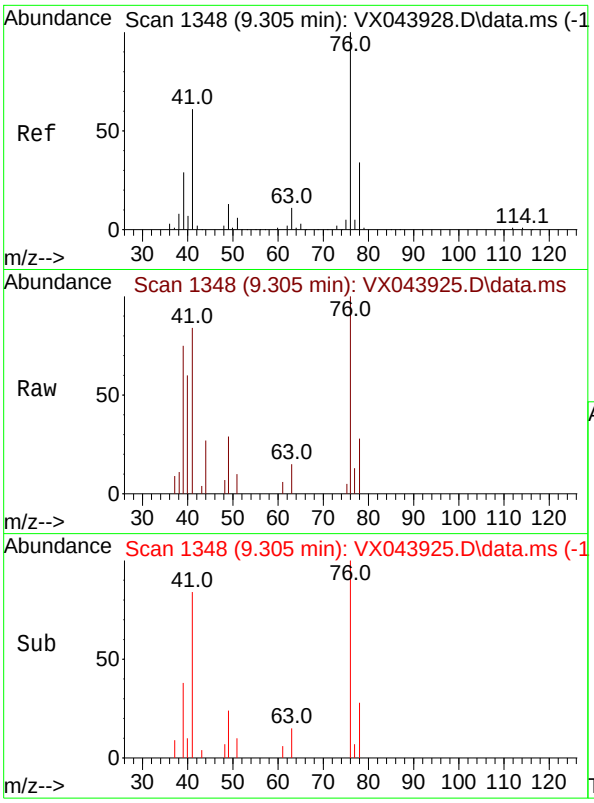


#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 1973

Ion	Ratio	Lower	Upper
69	100		
41	85.3	55.8	83.8#
39	56.7	36.7	55.1#



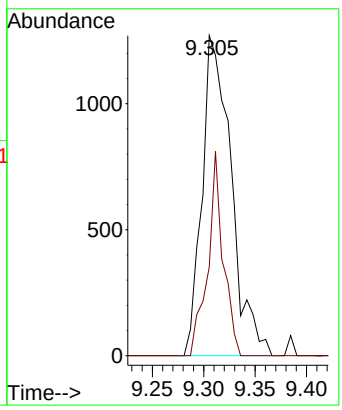


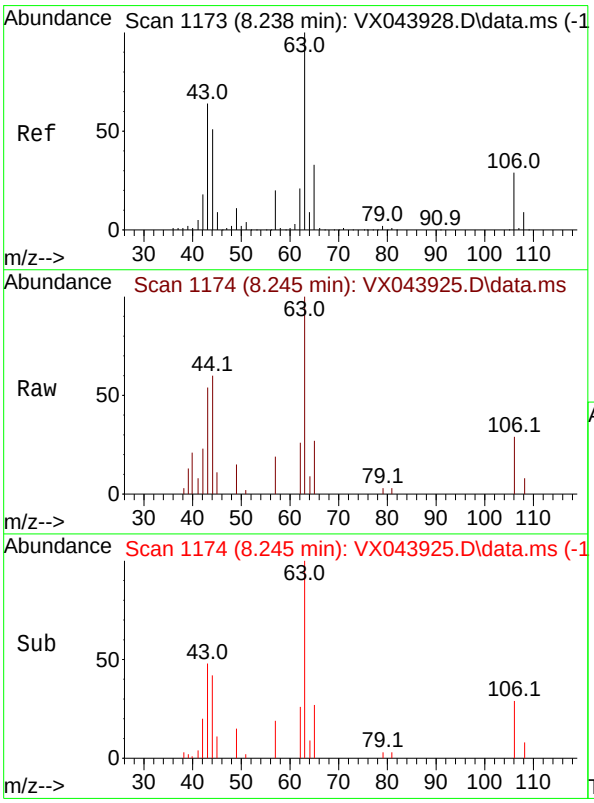
#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2502

Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.0	39.0

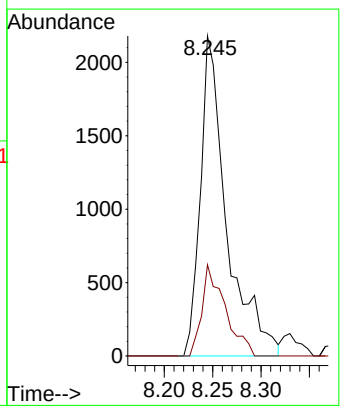


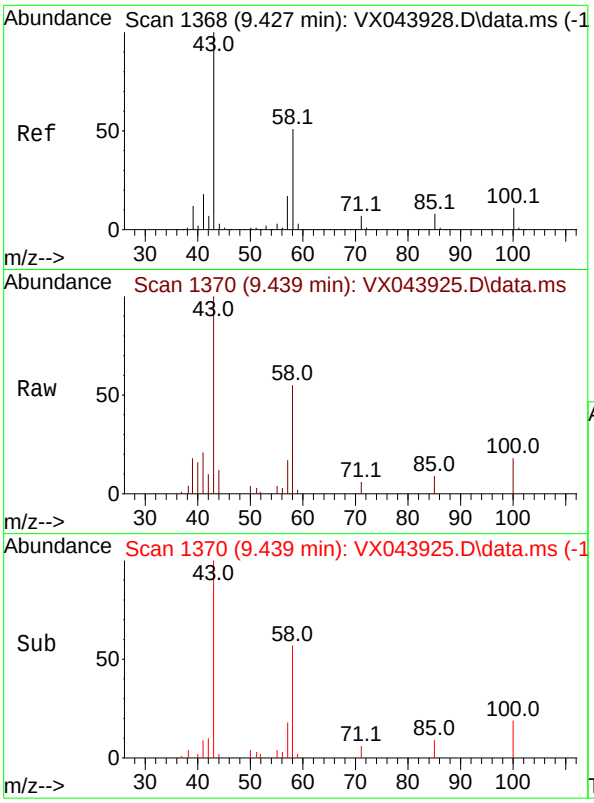


#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 4135

Ion	Ratio	Lower	Upper
63	100		
106	25.2	23.0	34.6



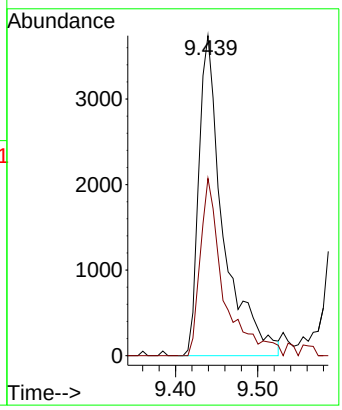


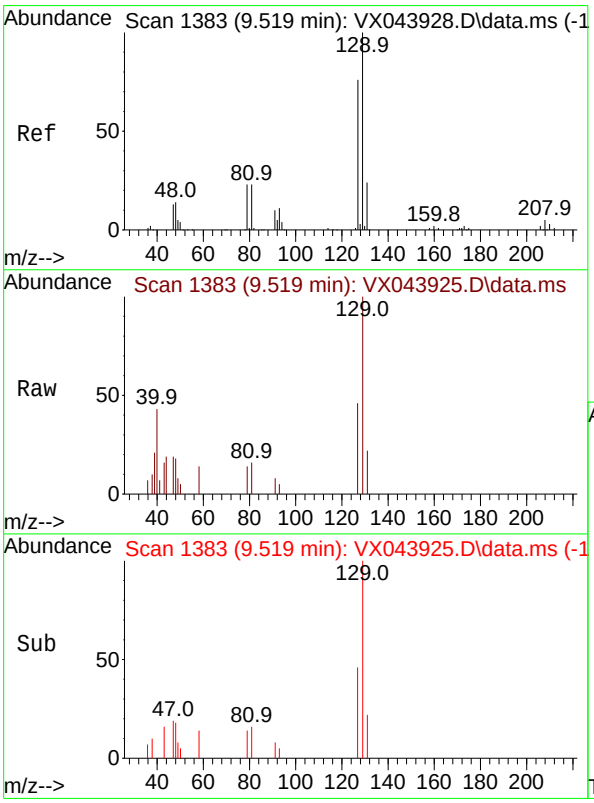
#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7726

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

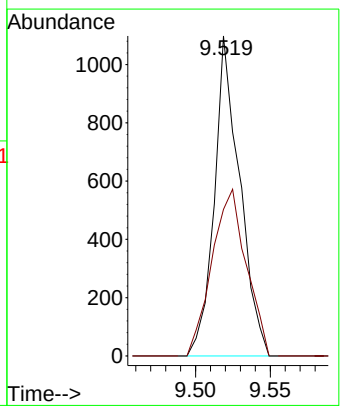


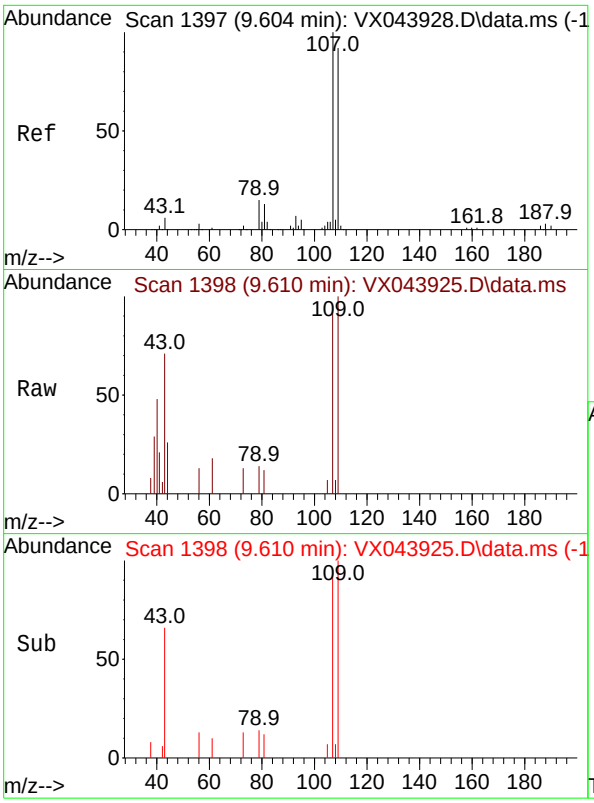


#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 1296

Ion	Ratio	Lower	Upper
129	100		
127	70.6	38.2	114.6



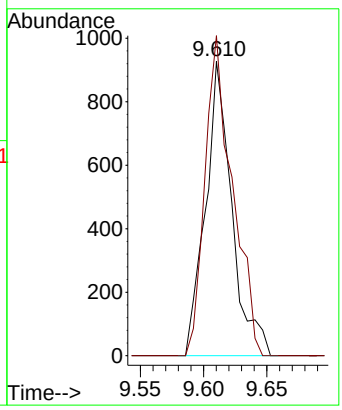


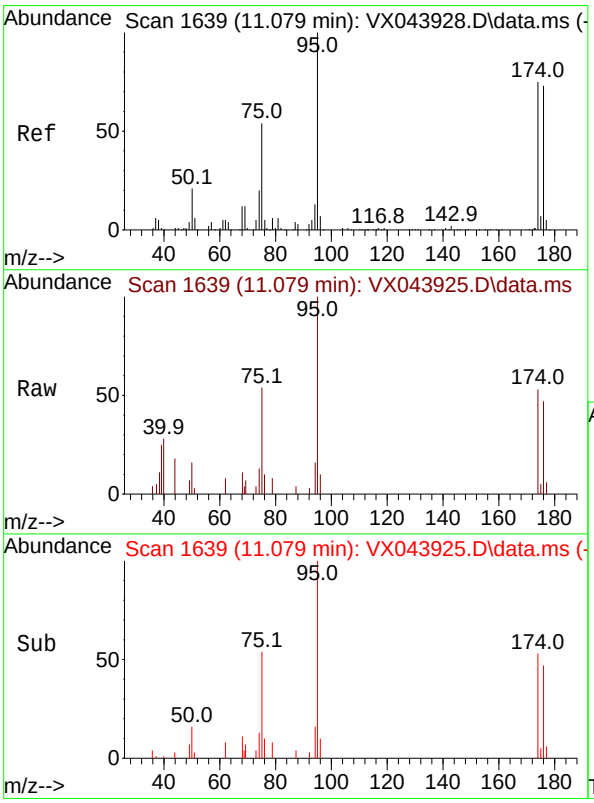
#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1342

Ion	Ratio	Lower	Upper
107	100		
109	113.3	75.2	112.8#

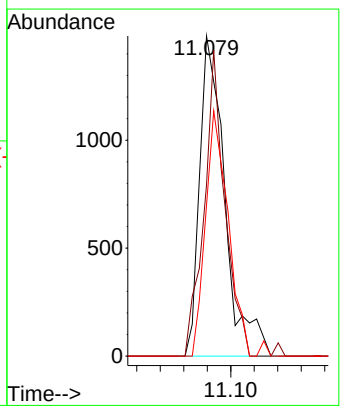


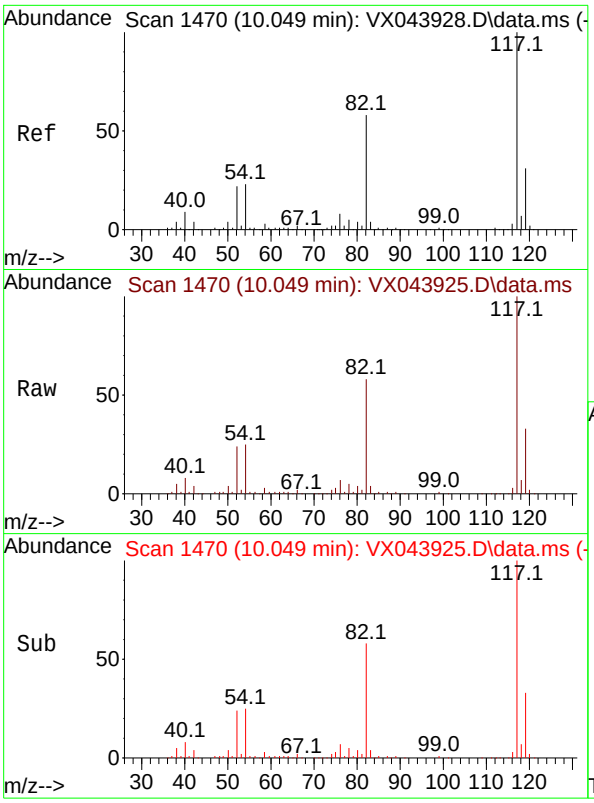


#62
4-Bromofluorobenzene
Concen: 1.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95 Resp: 2216

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	150.4
176	68.4	0.0	146.0



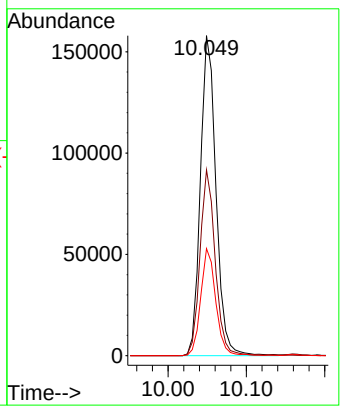


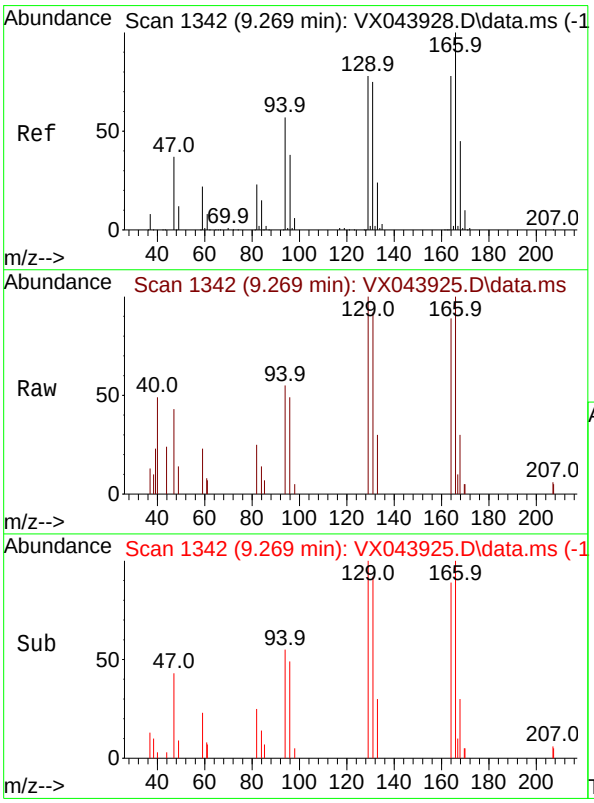
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 218244

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	33.5	24.6	37.0

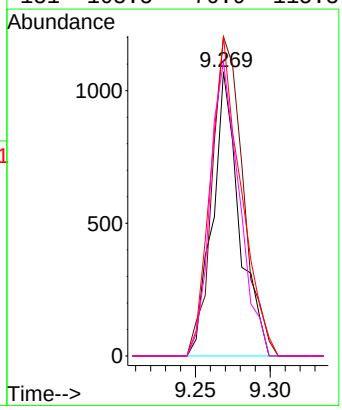


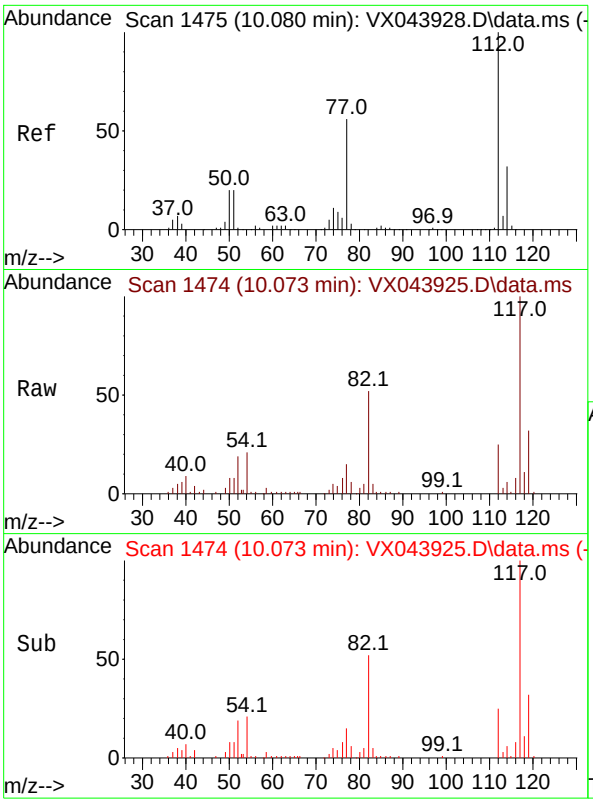


#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 1329

Ion	Ratio	Lower	Upper
164	100		
166	112.3	102.1	153.1
129	112.6	79.6	119.4
131	103.5	76.9	115.3



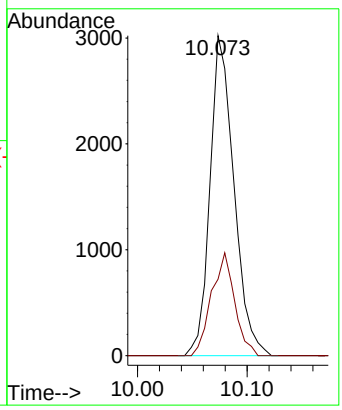


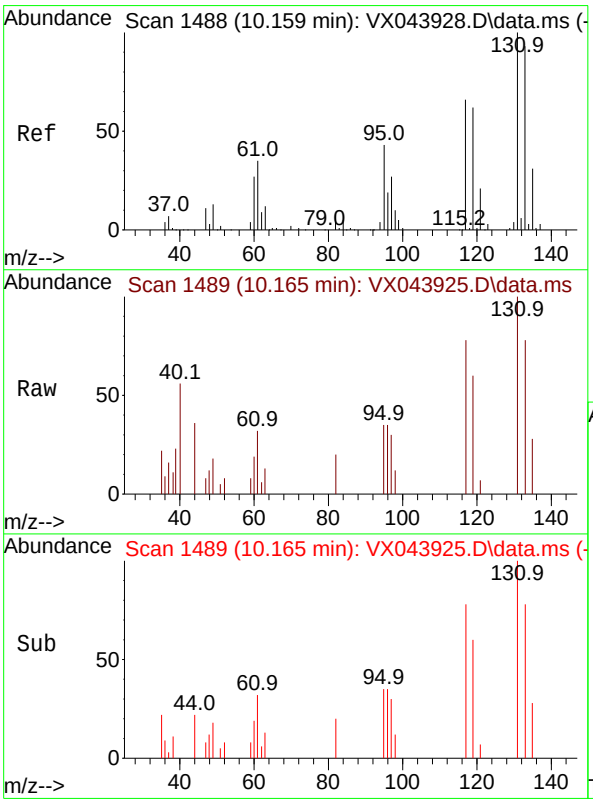
#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4585

Ion	Ratio	Lower	Upper
112	100		
114	23.9	25.4	38.0#

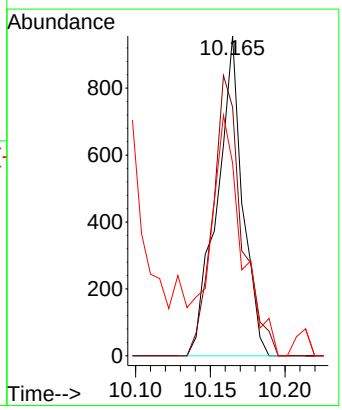


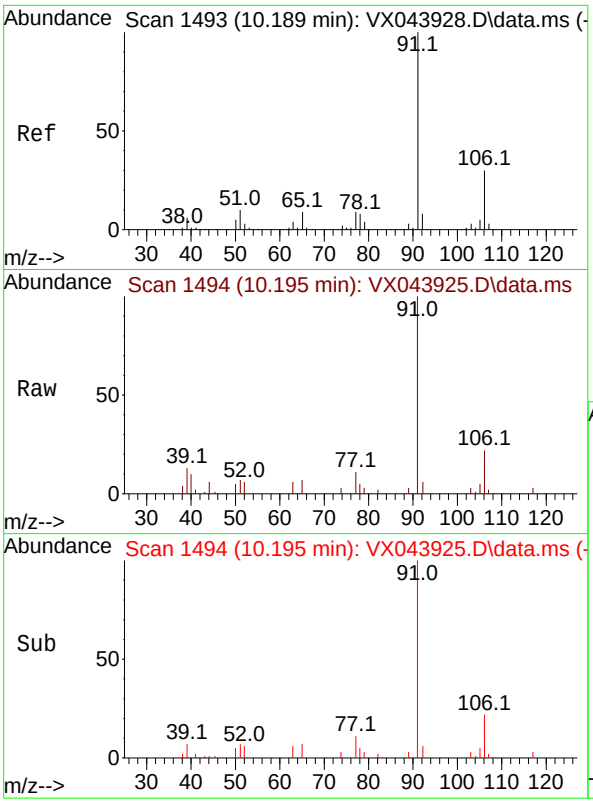


#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:131 Resp: 1136

Ion	Ratio	Lower	Upper
131	100		
133	100.0	48.2	144.6
119	0.0	31.5	94.5#



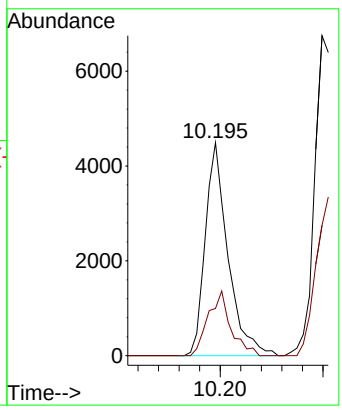


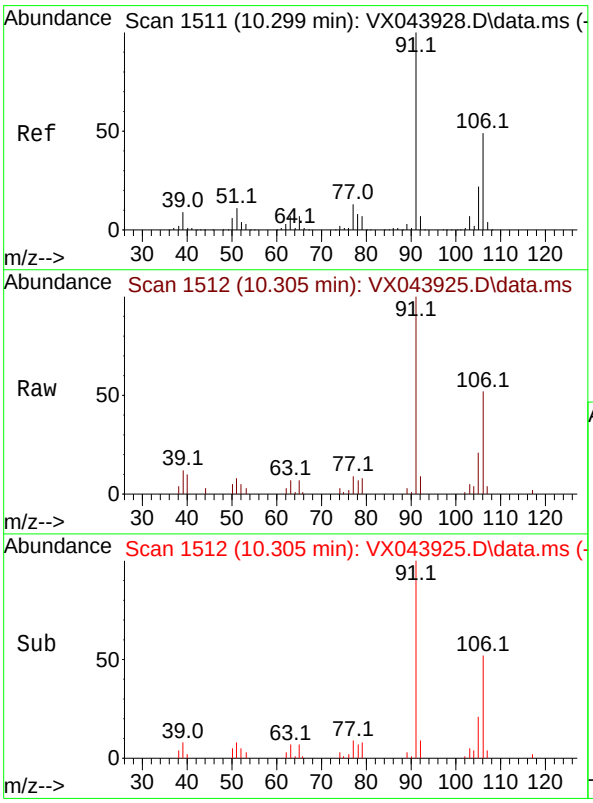
#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6890

Ion	Ratio	Lower	Upper
91	100		
106	22.2	23.6	35.4#

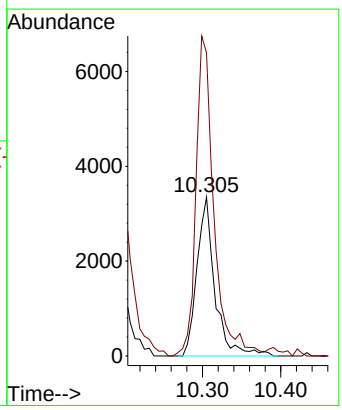


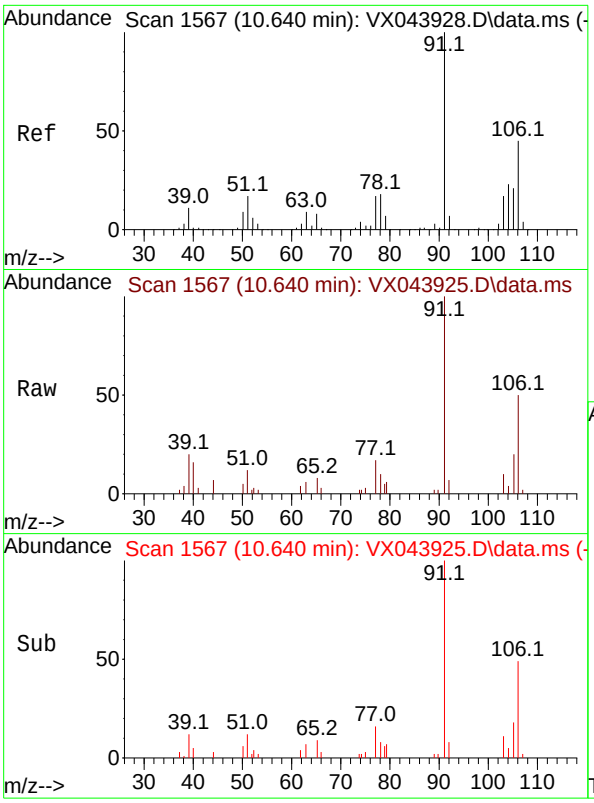


#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 5324

Ion	Ratio	Lower	Upper
106	100		
91	201.7	168.1	252.1



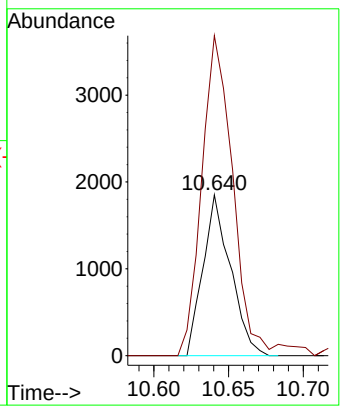


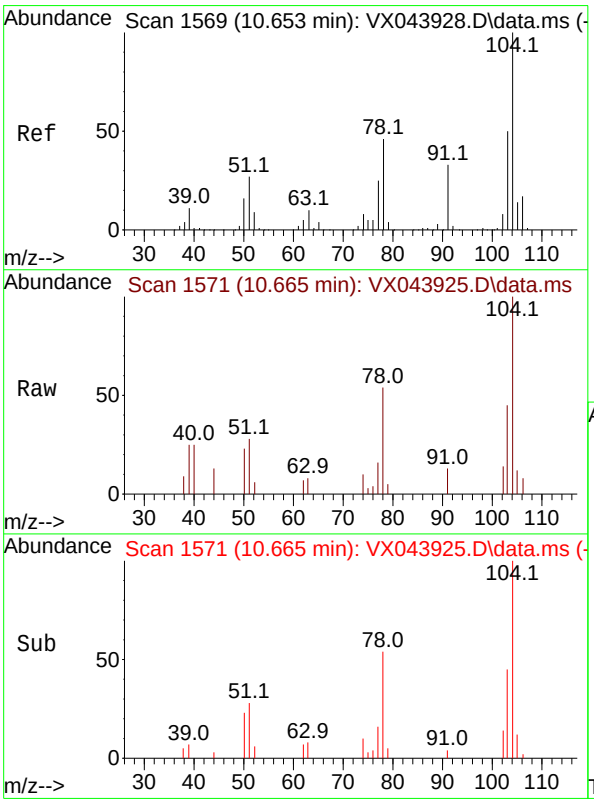
#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2370

Ion	Ratio	Lower	Upper
106	100		
91	228.1	110.2	330.6

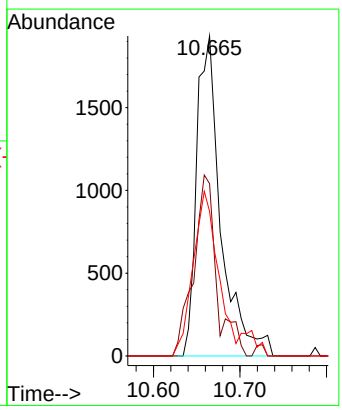


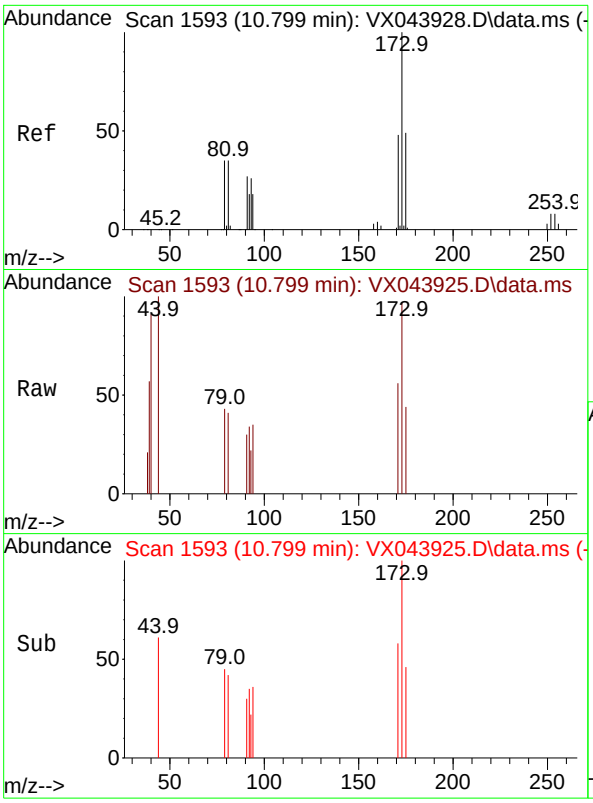


#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 3751

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	52.8	44.7	67.1



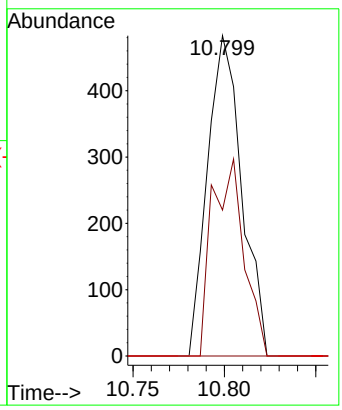


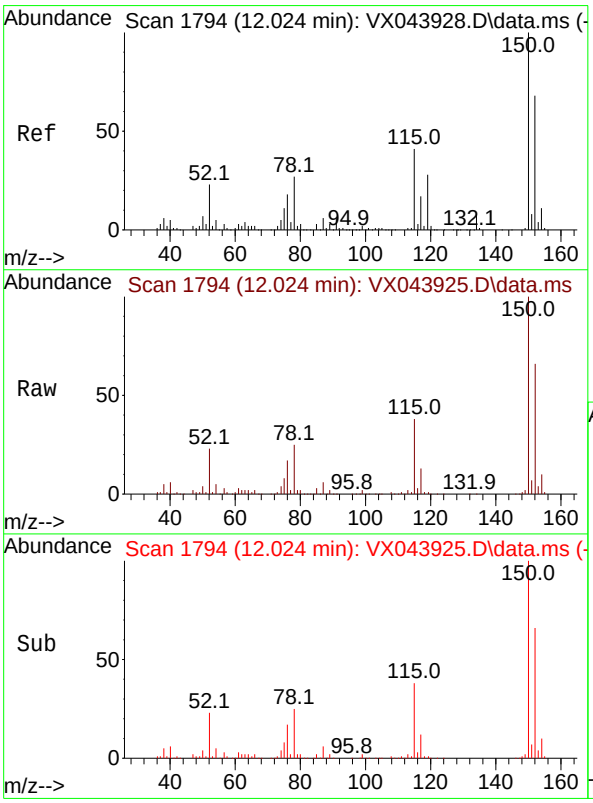
#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 632

Ion	Ratio	Lower	Upper
173	100		
175	57.1	24.1	72.2
254	0.0	0.0	0.0

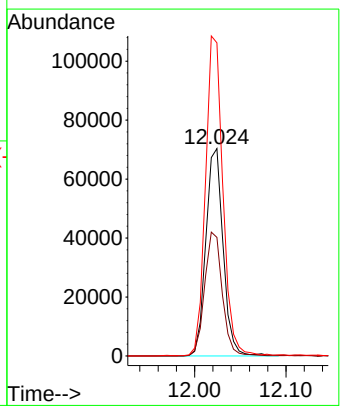


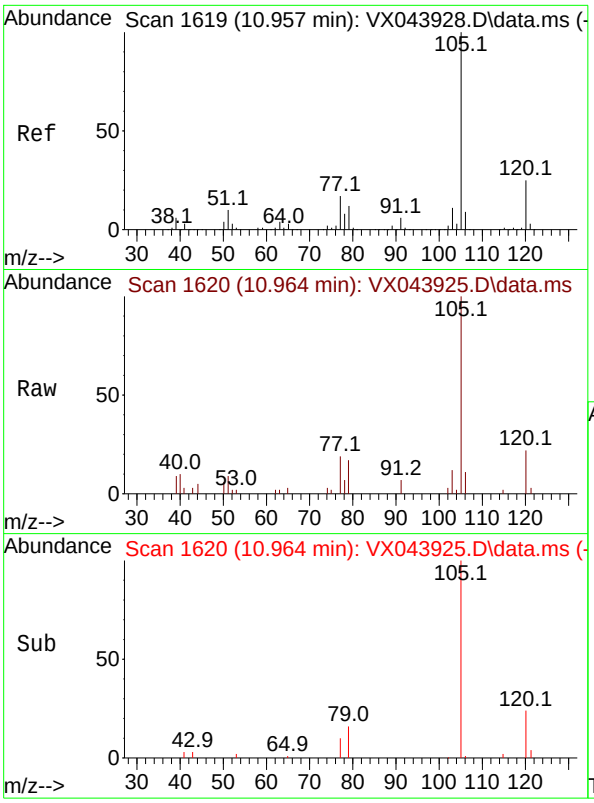


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 92854

Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.4	136.2
150	154.3	0.0	353.0



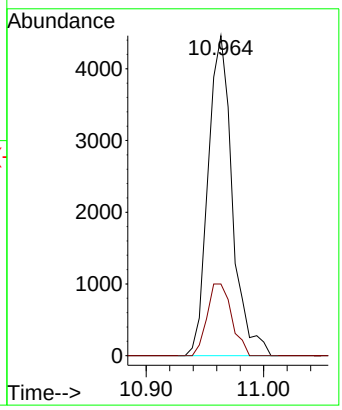


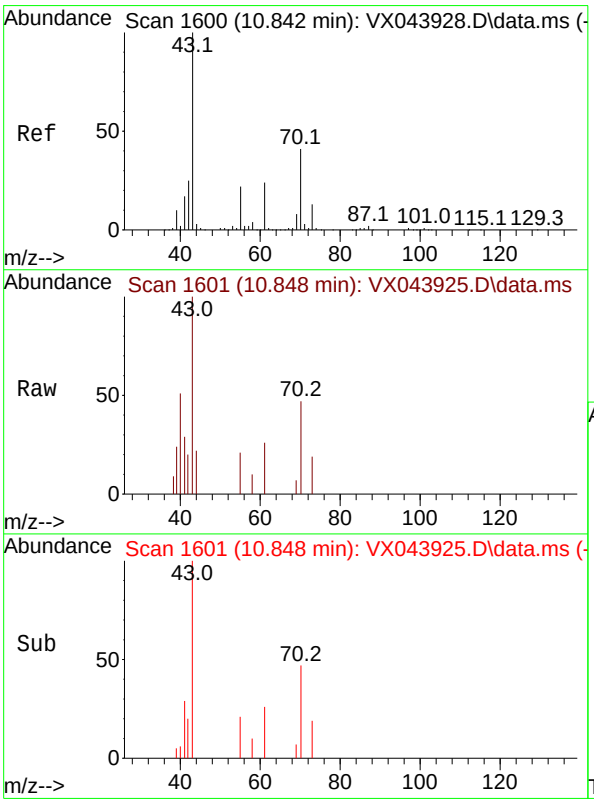
#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6379

Ion	Ratio	Lower	Upper
105	100		
120	22.8	13.0	38.9

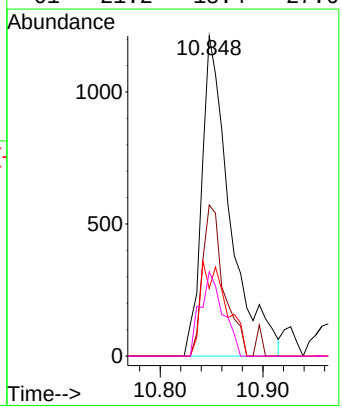


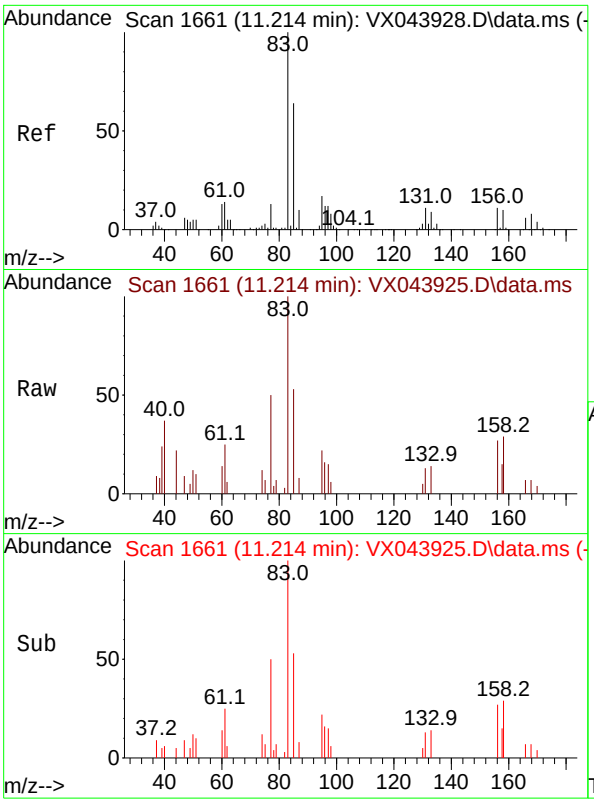


#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2319

Ion	Ratio	Lower	Upper
43	100		
70	35.9	32.2	48.2
55	26.8	18.1	27.1
61	21.2	18.4	27.6



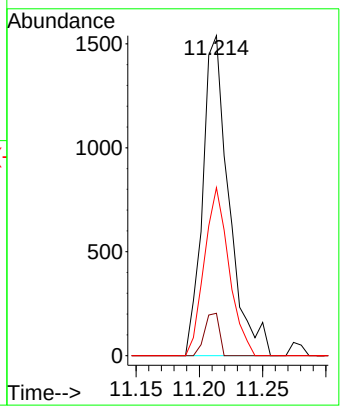


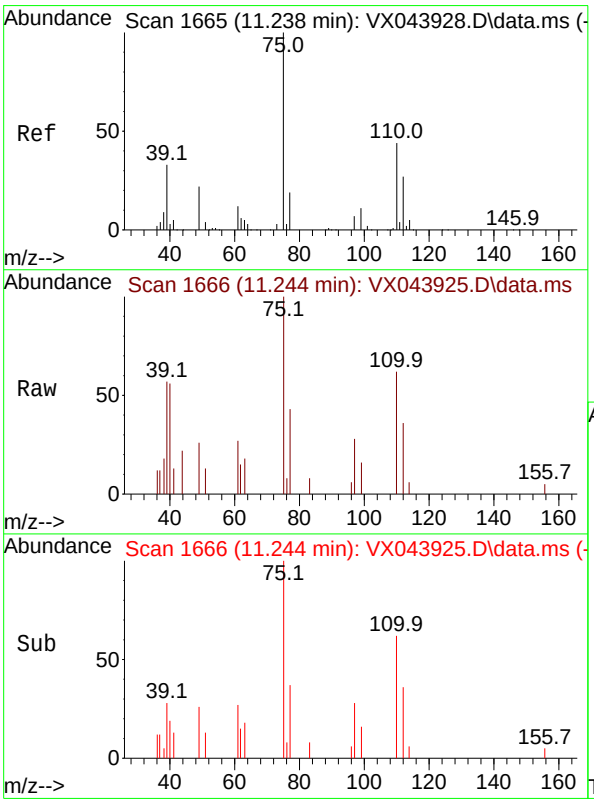
#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.1	15.2
85	49.5	32.2	96.6

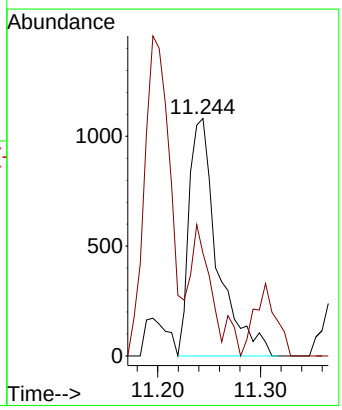


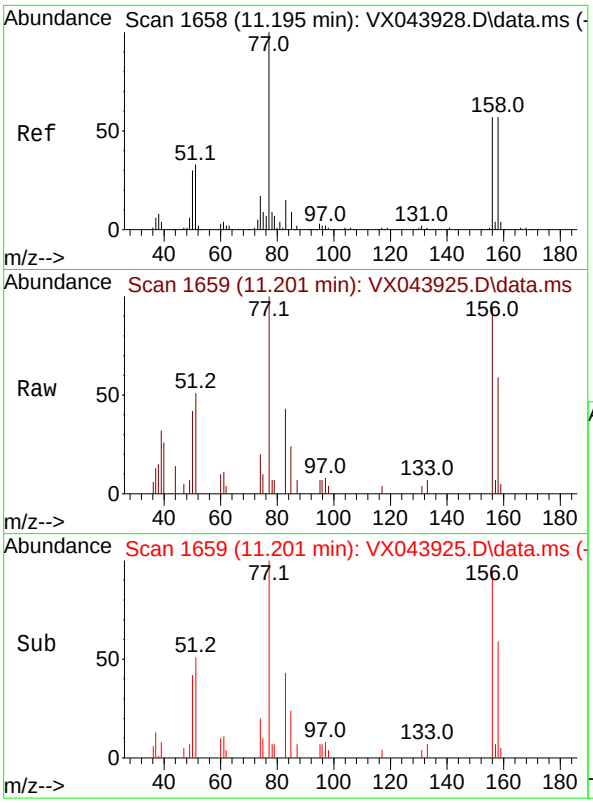


#76
1,2,3-Trichloropropane
Concen: 1.037 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2077

Ion	Ratio	Lower	Upper
75	100		
77	41.9	21.8	65.3



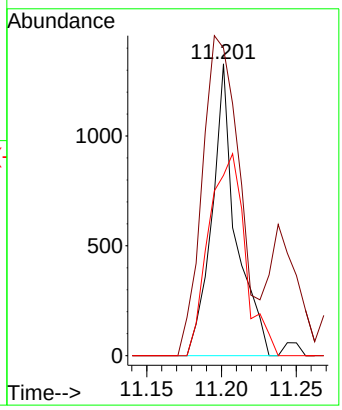


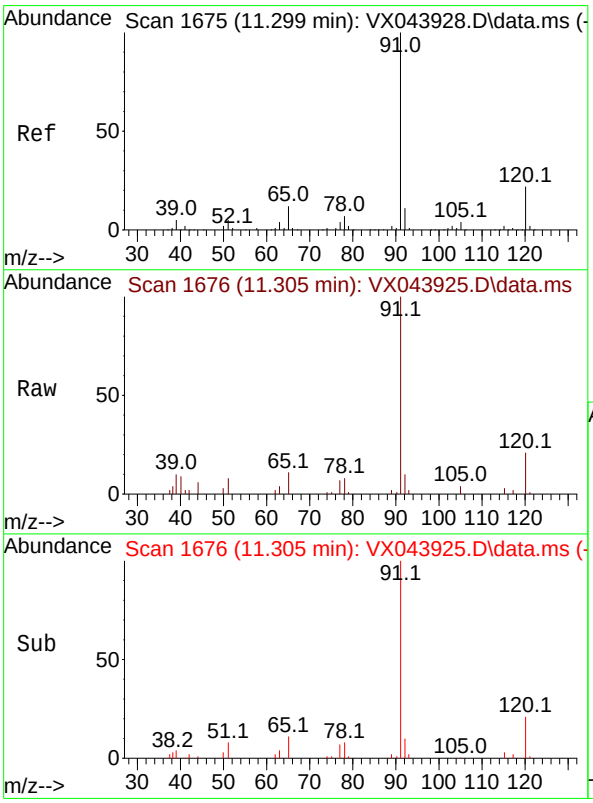
#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1475

Ion	Ratio	Lower	Upper
156	100		
77	171.7	83.4	250.1
158	105.1	47.6	142.8

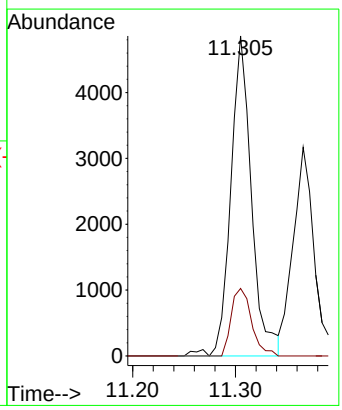


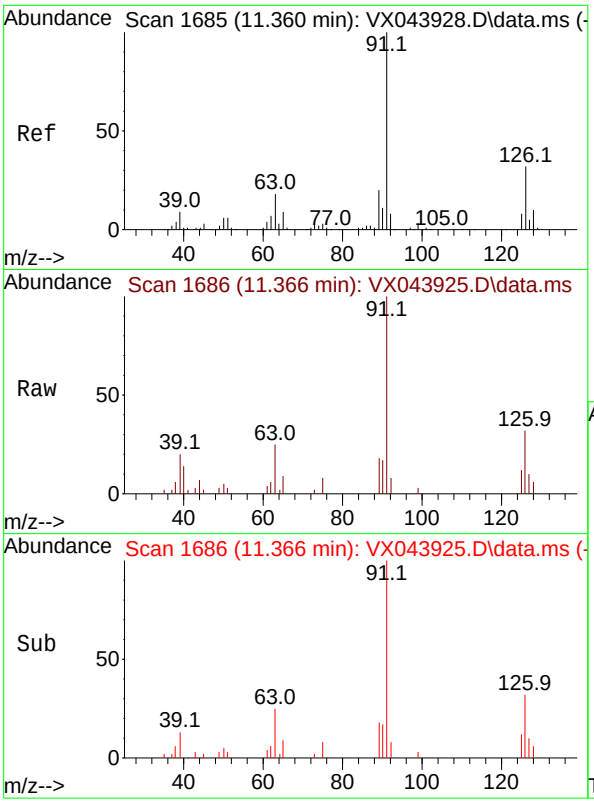


#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6810

Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.5	34.4



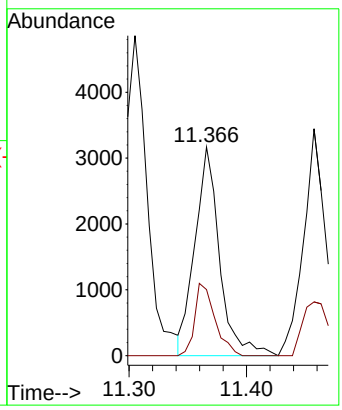


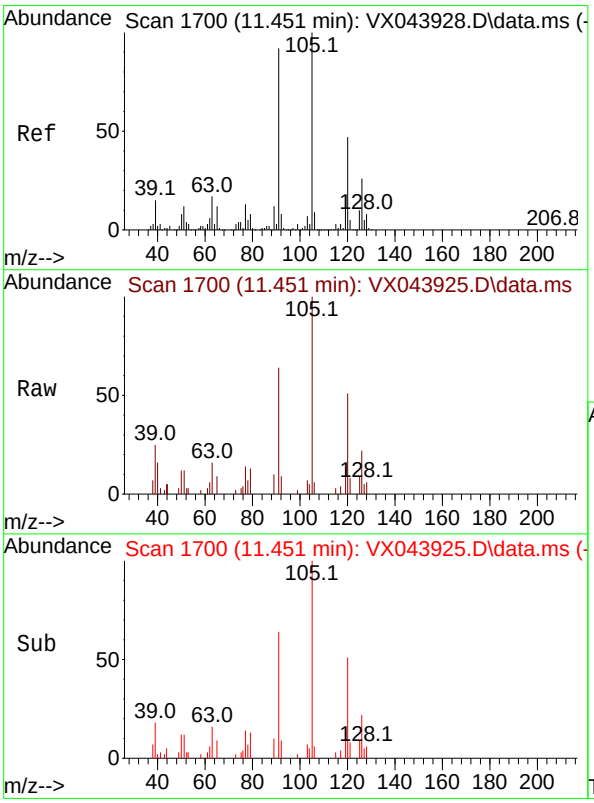
#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4618

Ion	Ratio	Lower	Upper
91	100		
126	28.5	16.6	49.8

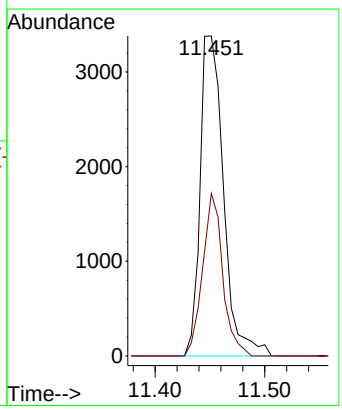


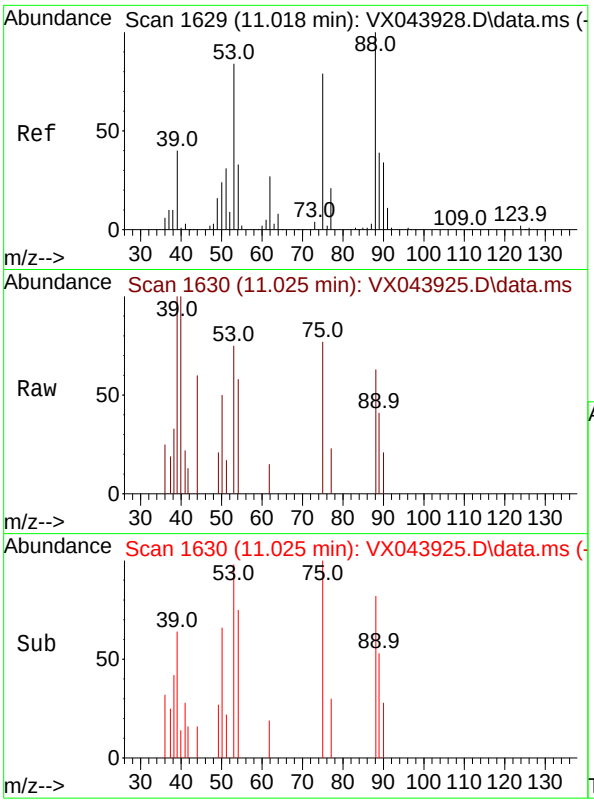


#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 5022

Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.3	69.8



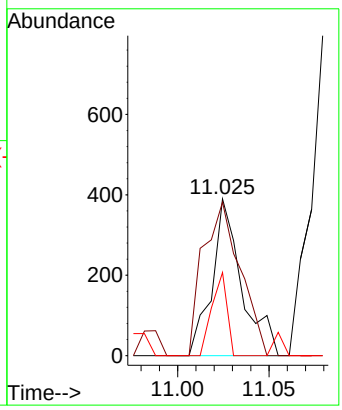


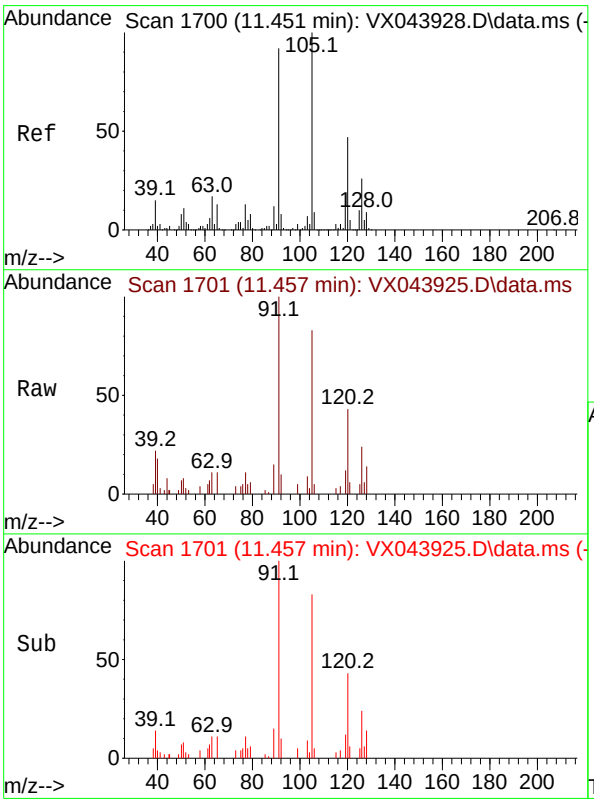
#81
trans-1,4-Dichloro-2-butene
Concen: 0.592 ug/l
RT: 11.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 442

Ion	Ratio	Lower	Upper
75	100		
53	122.4	86.7	130.1
89	26.9	38.2	57.2#

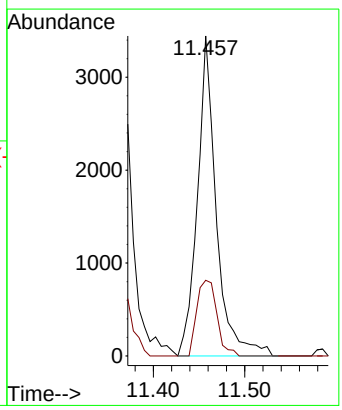


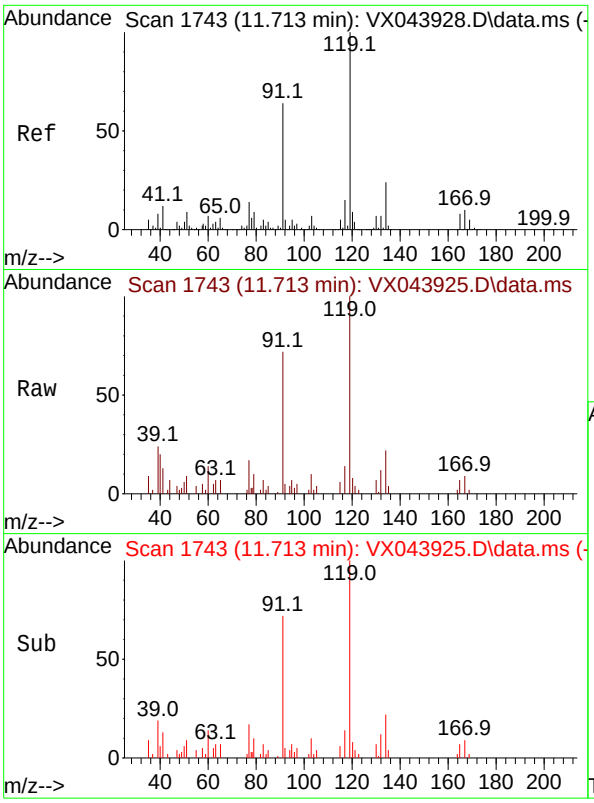


#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.3	42.9



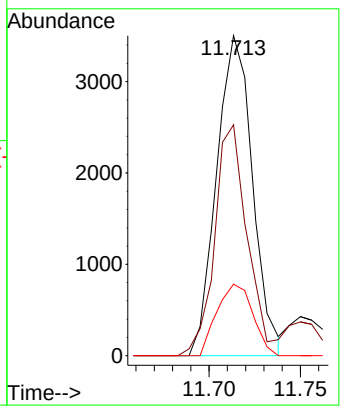


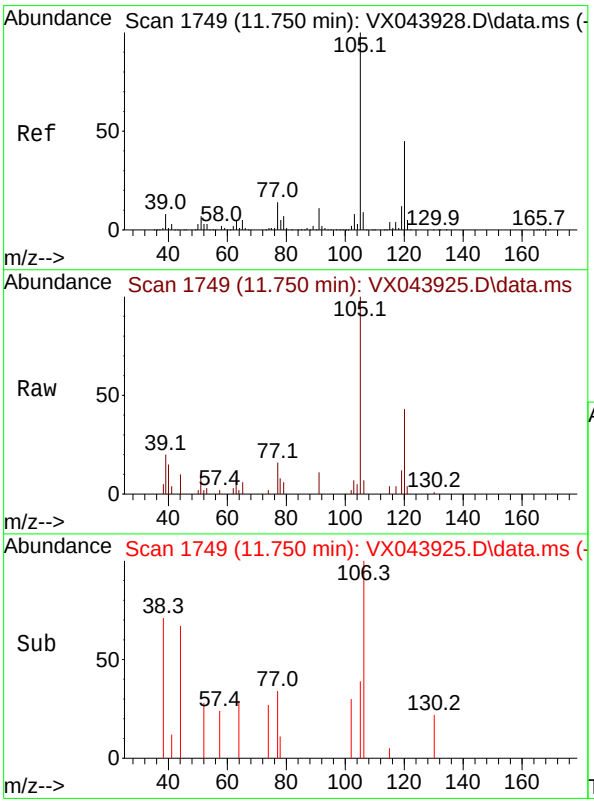
#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4794

Ion	Ratio	Lower	Upper
119	100		
91	65.8	31.0	93.0
134	22.3	11.6	34.8

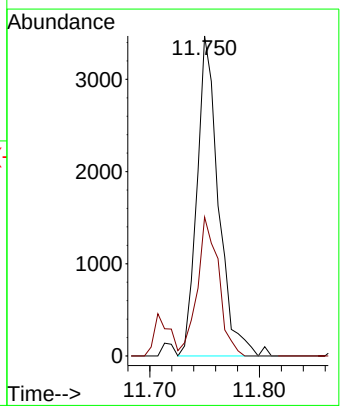


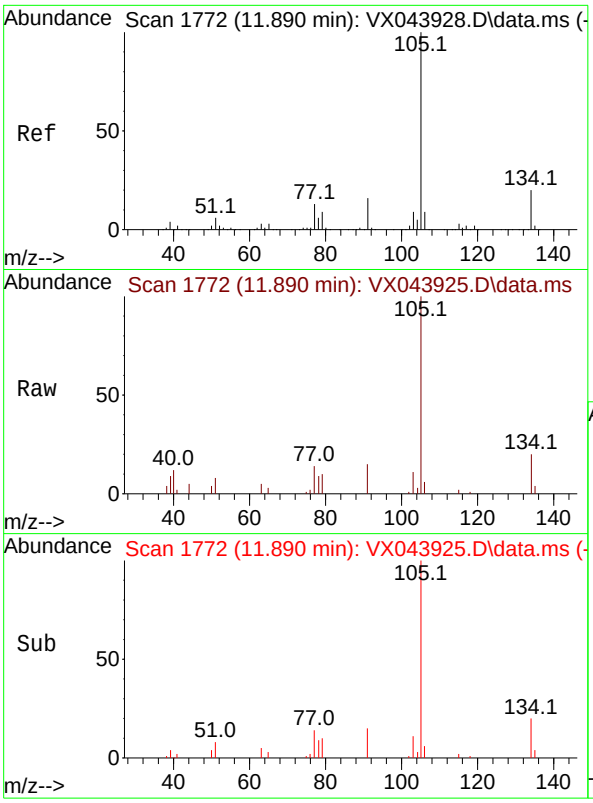


#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7



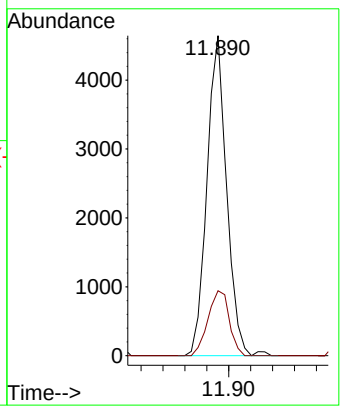


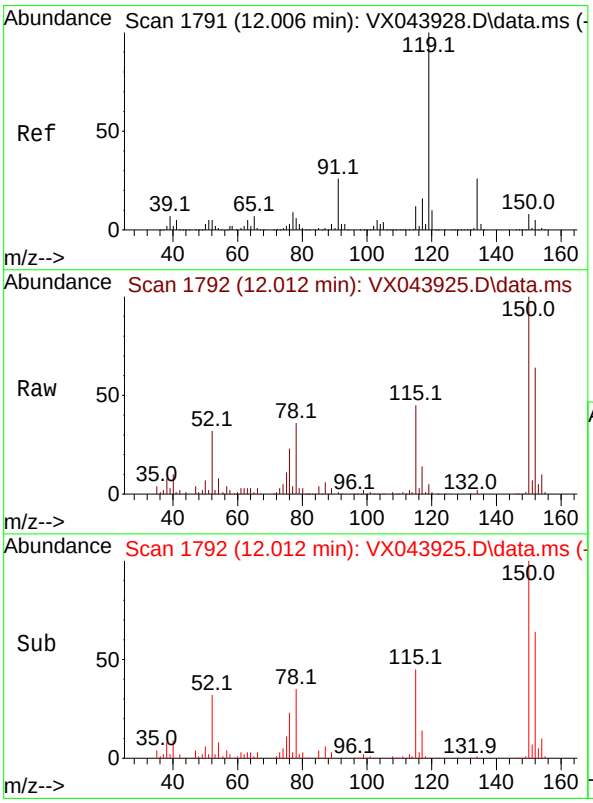
#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5787

Ion	Ratio	Lower	Upper
105	100		
134	22.0	9.7	29.1

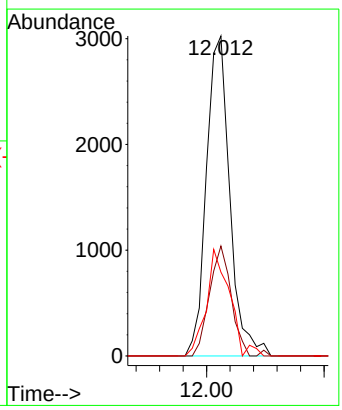


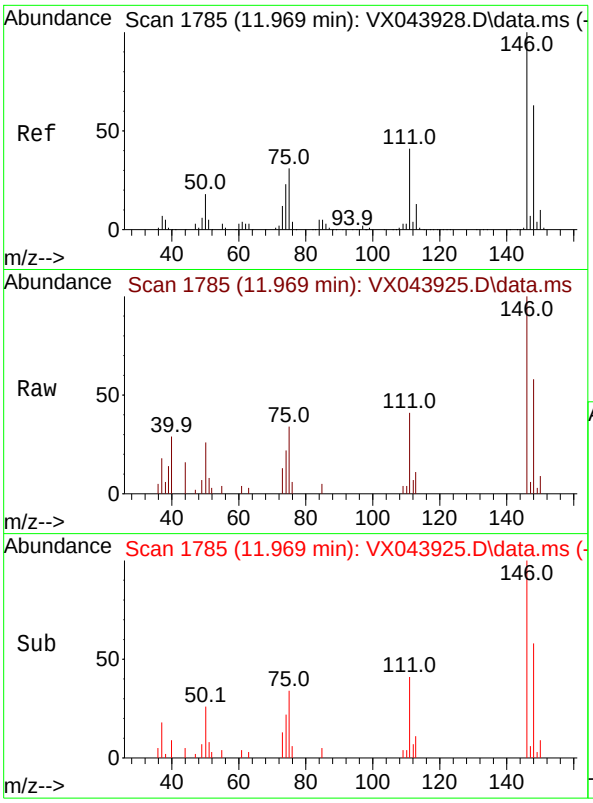


#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.0	38.9
91	33.2	13.0	38.9



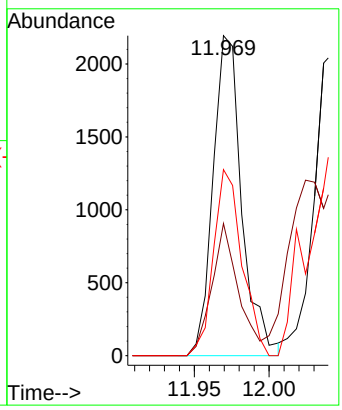


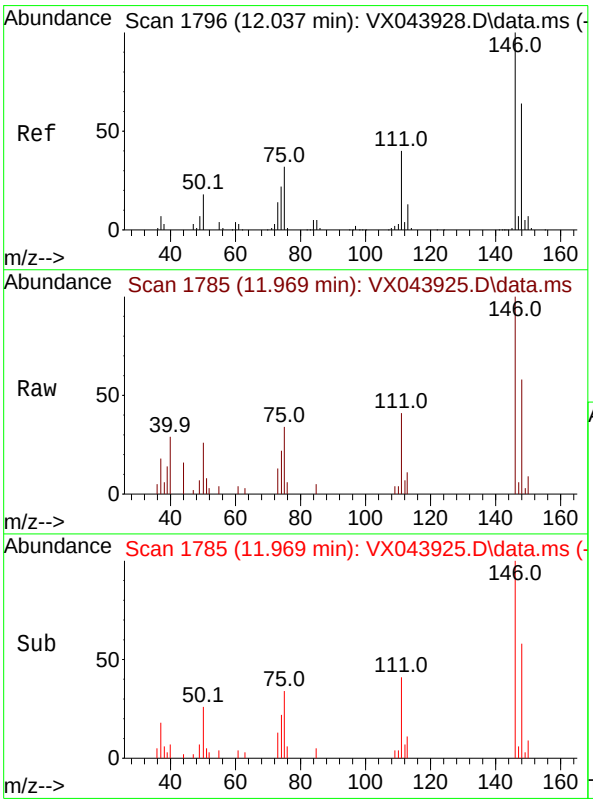
#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2934

Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.1	63.3
148	57.6	31.7	95.1

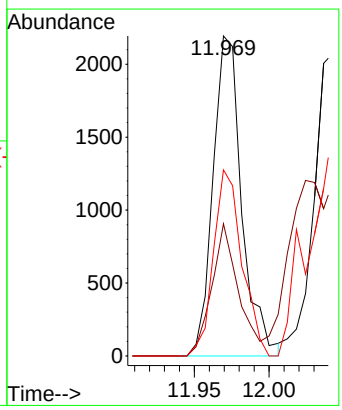


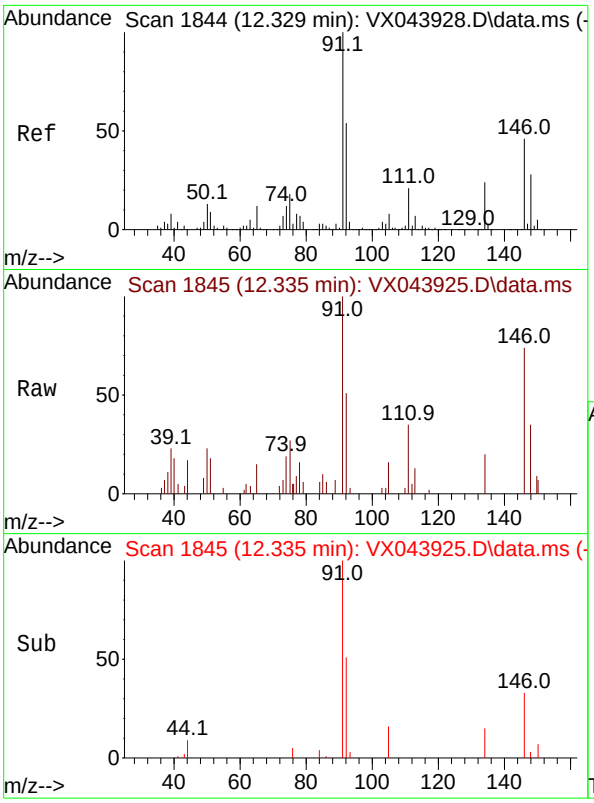


#88
1,4-Dichlorobenzene
Concen: 0.932 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 2934

Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.1	60.3
148	57.6	30.9	92.8



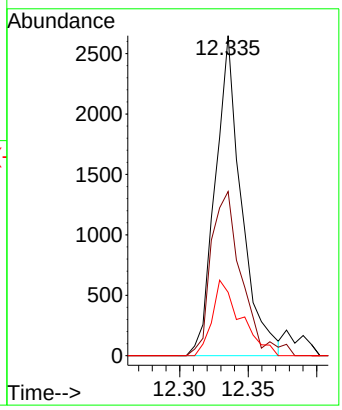


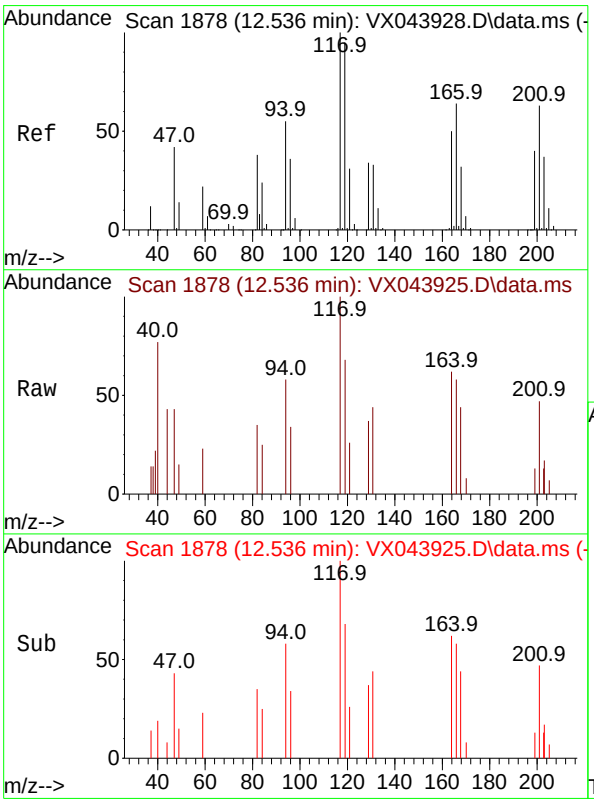
#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3522

Ion	Ratio	Lower	Upper
91	100		
92	59.8	26.6	79.8
134	25.8	12.4	37.2

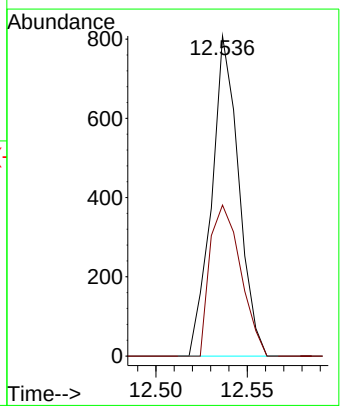


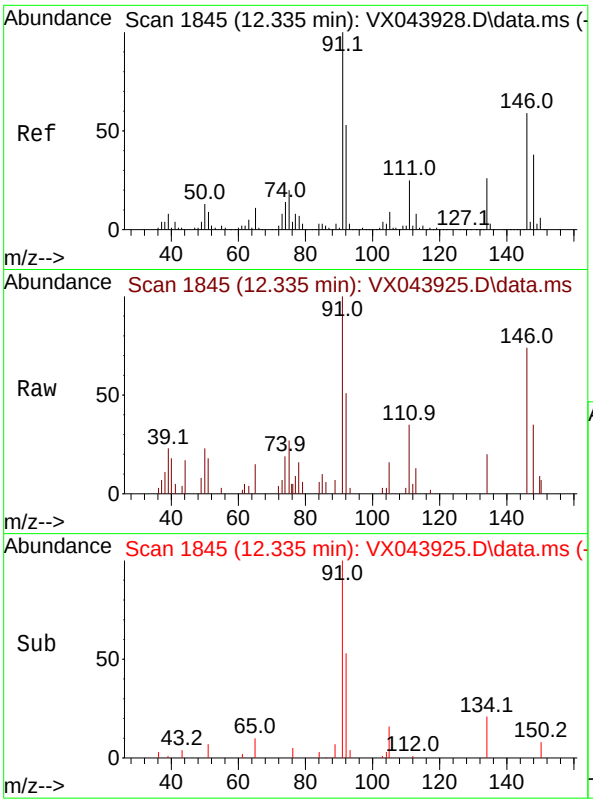


#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

Ion	Ratio	Lower	Upper
117	100		
201	53.7	32.4	97.0



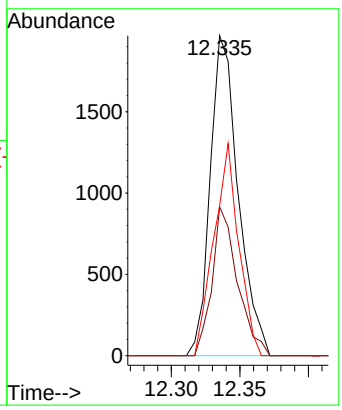


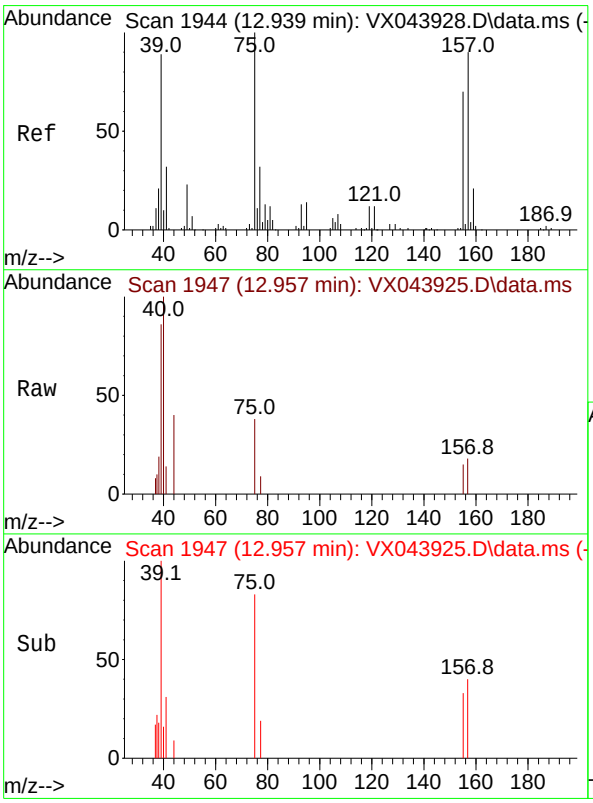
#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2796

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	58.8	31.9	95.5

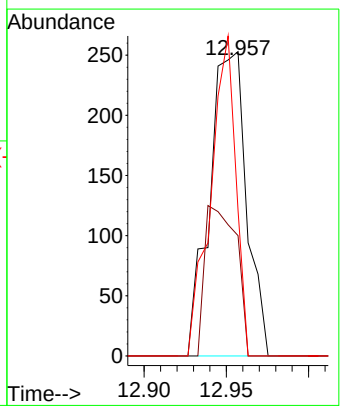


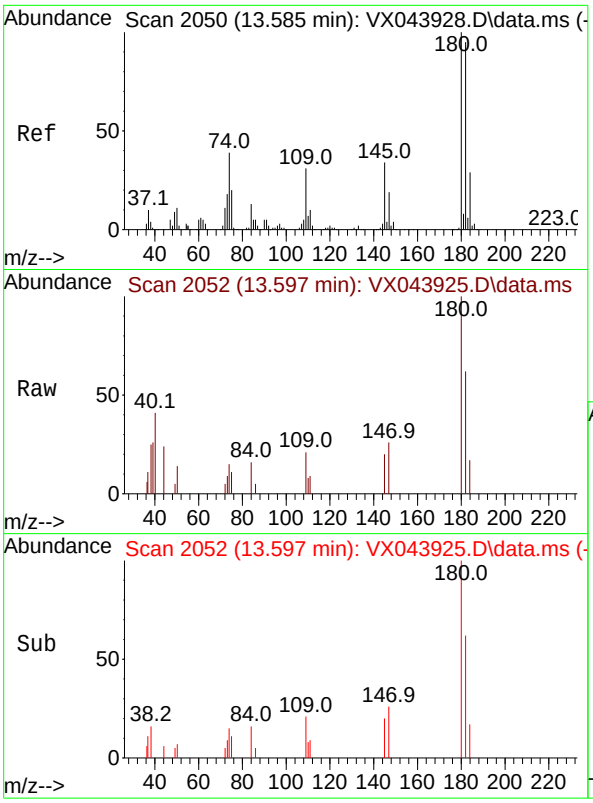


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

Ion	Ratio	Lower	Upper
75	100		
155	42.0	40.1	120.2
157	71.6	49.6	149.0



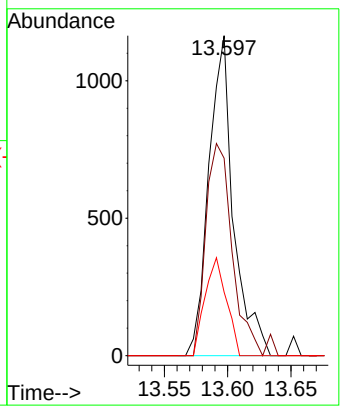


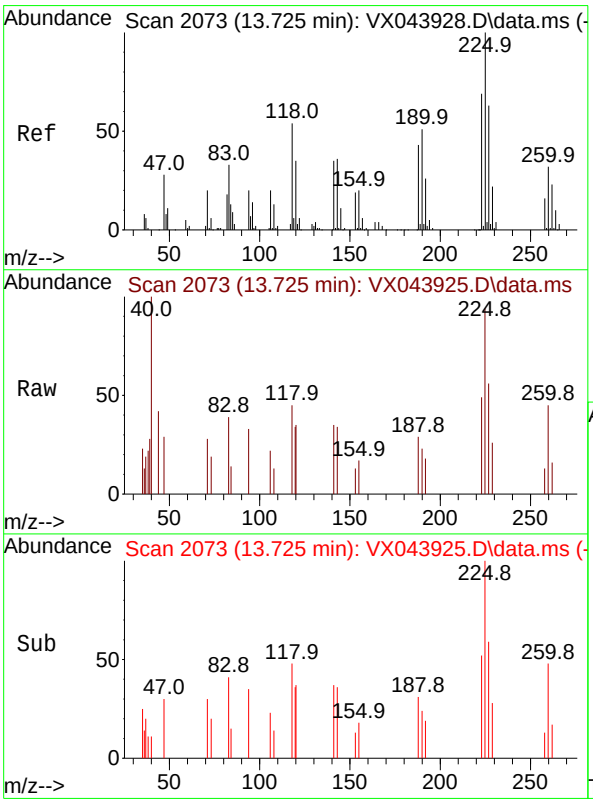
#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1576

Ion	Ratio	Lower	Upper
180	100		
182	70.6	48.0	144.2
145	26.6	16.8	50.4

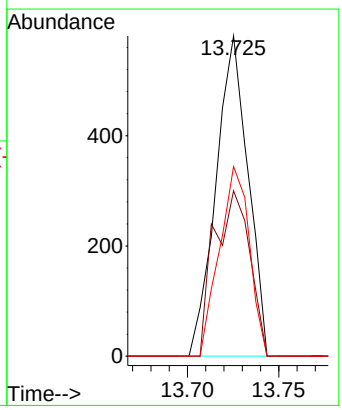


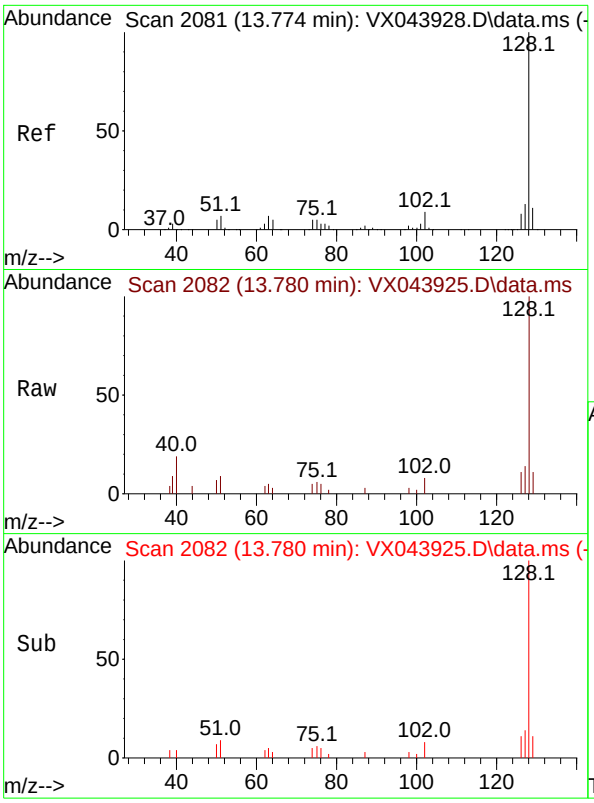


#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

Ion	Ratio	Lower	Upper
225	100		
223	57.1	32.9	98.6
227	55.3	31.6	94.8



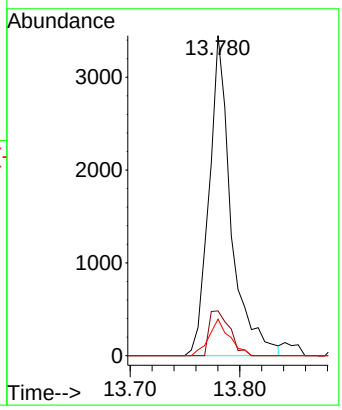


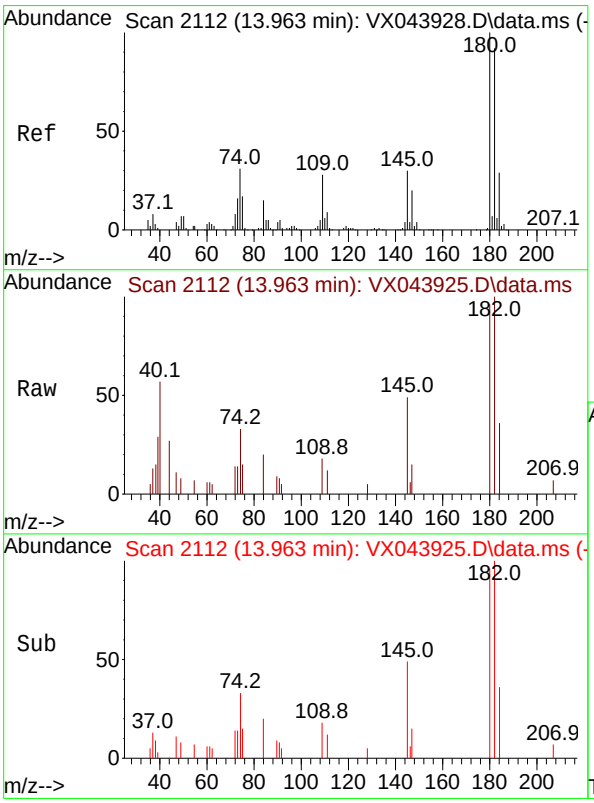
#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 4837

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.6	12.8

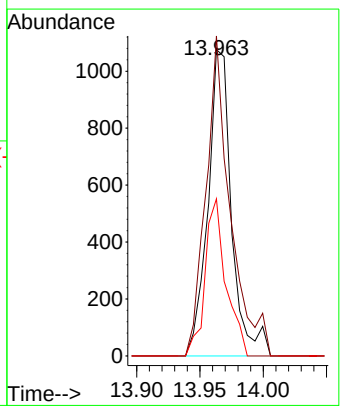




#96
1,2,3-Trichlorobenzene
Concen: 0.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1398

Ion	Ratio	Lower	Upper
180	100		
182	107.8	45.6	136.8
145	45.3	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.800%#			
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.400%#			
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.780%#			
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9545	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	8556	20.610	ug/l	98
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	12177	4.158	ug/l #	94
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.907	ug/l	#	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901	ug/l		99
43) Isopropyl Acetate	6.348	43	22267	4.777	ug/l		99
44) Trichloroethene	7.128	130	9852	4.736	ug/l		92
45) 1,2-Dichloropropane	7.427	63	8525	4.736	ug/l		91
46) Dibromomethane	7.586	93	6372	4.475	ug/l		93
47) Bromodichloromethane	7.823	83	11249	4.405	ug/l		96
48) Methyl methacrylate	7.695	41	10190	4.556	ug/l		95
49) 1,4-Dioxane	7.677	88	3056	79.255	ug/l	#	70
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556	ug/l		97
52) Toluene	8.714	92	22218	5.051	ug/l		96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292	ug/l		94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957	ug/l		94
56) Ethyl methacrylate	9.116	69	12381	4.378	ug/l		96
57) 1,3-Dichloropropane	9.311	76	15211	4.973	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673	ug/l		100
59) 2-Hexanone	9.433	43	52072	24.357	ug/l		100
60) Dibromochloromethane	9.518	129	7738	4.247	ug/l		99
61) 1,2-Dibromoethane	9.610	107	8985	4.894	ug/l		98
64) Tetrachloroethene	9.274	164	7642	5.185	ug/l		93
65) Chlorobenzene	10.079	112	24792	5.050	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661	ug/l		96
67) Ethyl Benzene	10.195	91	40927	4.920	ug/l		95
68) m/p-Xylenes	10.305	106	29635	9.553	ug/l		99
69) o-Xylene	10.640	106	14856	4.905	ug/l		98
70) Styrene	10.658	104	22907	4.573	ug/l		97
71) Bromoform	10.799	173	4476	5.004	ug/l	#	99
73) Isopropylbenzene	10.957	105	37958	5.109	ug/l		99
74) N-amyl acetate	10.841	43	15928	4.627	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	14721	7.062	ug/l		80
77) Bromobenzene	11.195	156	9259	5.224	ug/l		97
78) n-propylbenzene	11.305	91	39774	4.793	ug/l		98
79) 2-Chlorotoluene	11.366	91	26740	5.096	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l	#	77
82) 4-Chlorotoluene	11.451	91	29049	4.903	ug/l		96
83) tert-Butylbenzene	11.713	119	29934	4.940	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040	ug/l		97
85) sec-Butylbenzene	11.890	105	37899	5.105	ug/l		96
86) p-Isopropyltoluene	12.006	119	29412	4.878	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831	ug/l		89
89) n-Butylbenzene	12.335	91	24938	4.691	ug/l		99
90) Hexachloroethane	12.536	117	4279	4.173	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814	ug/l		85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553	ug/l		98
94) Hexachlorobutadiene	13.725	225	3713	4.891	ug/l		97
95) Naphthalene	13.774	128	32485	4.698	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

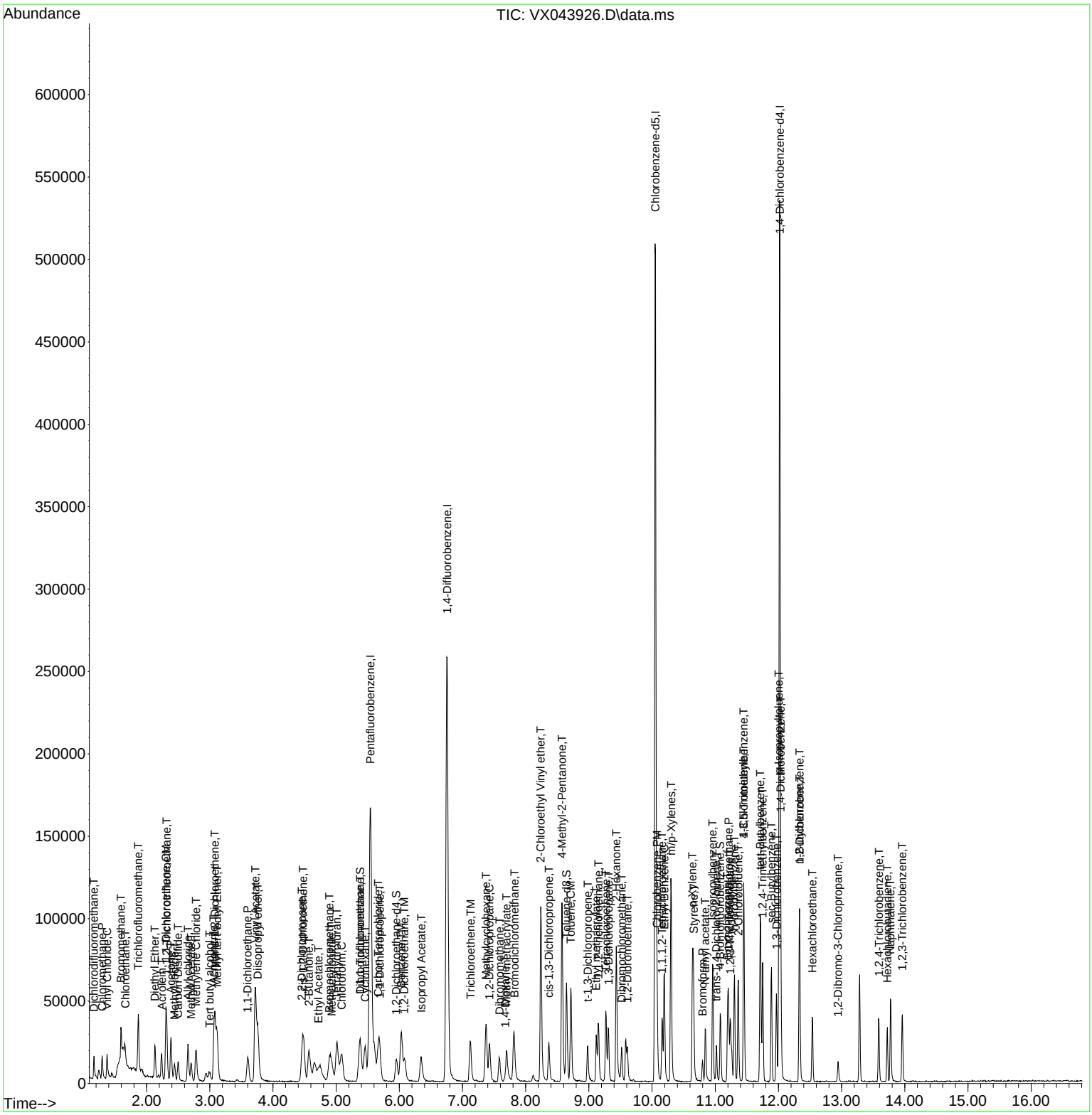
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

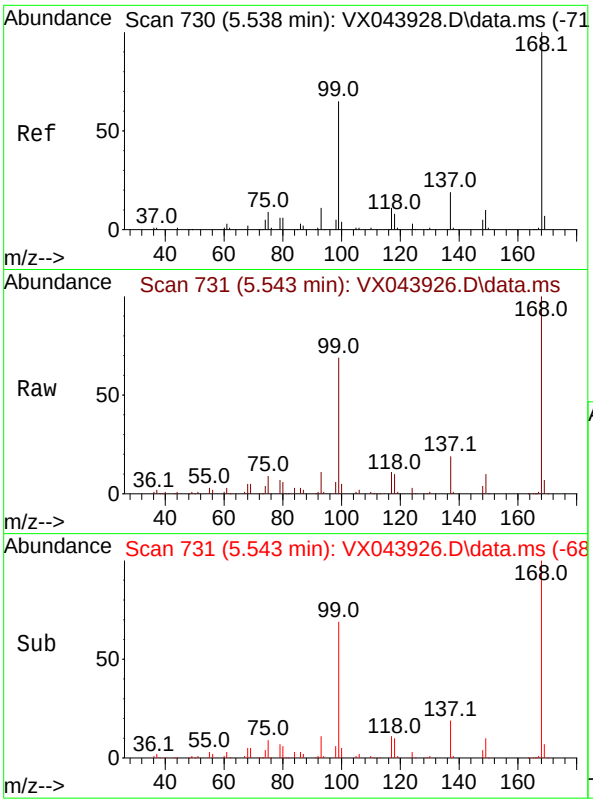
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



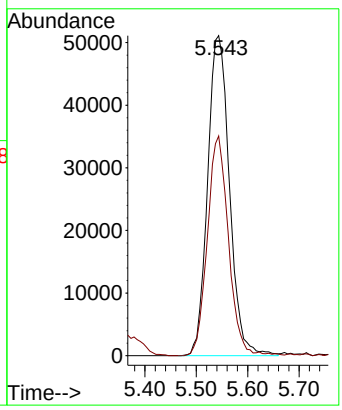


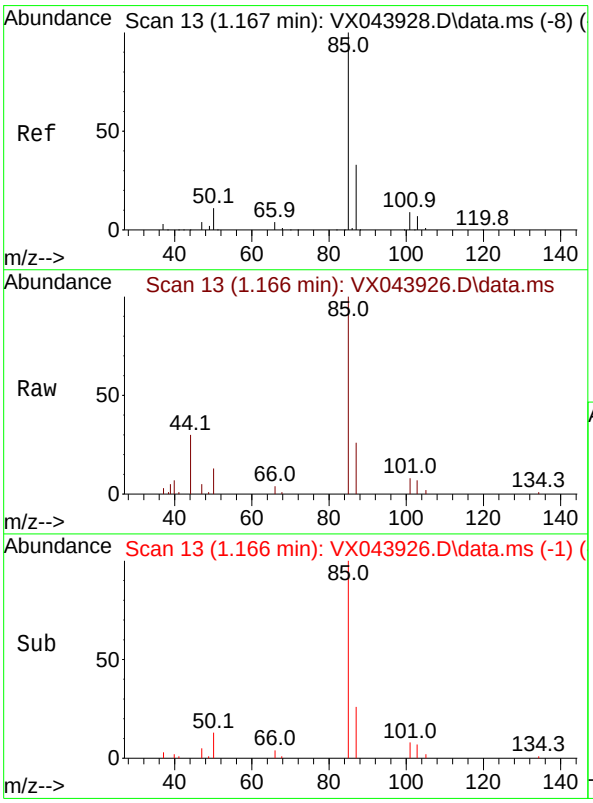
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 150793

Ion	Ratio	Lower	Upper
168	100		
99	68.6	51.8	77.8

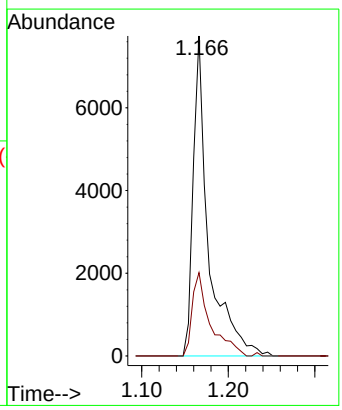


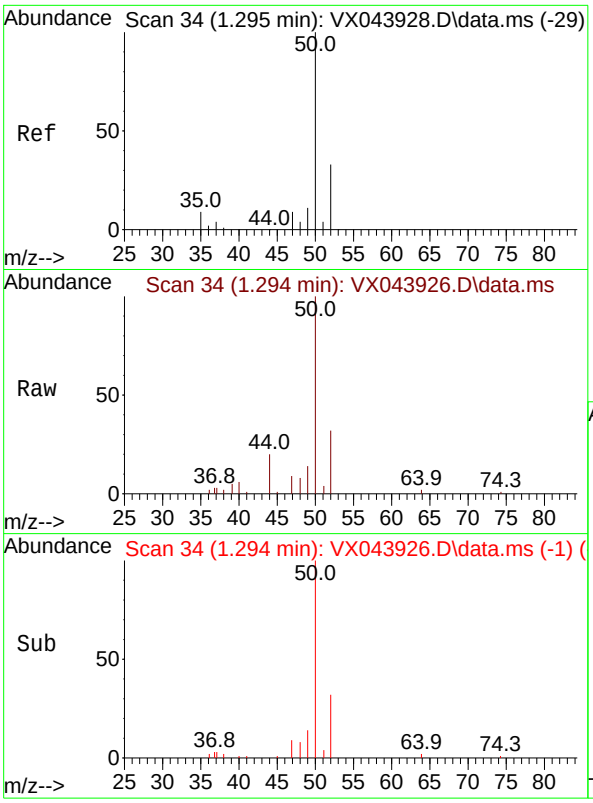


#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

Ion	Ratio	Lower	Upper
85	100		
87	26.0	16.6	49.8



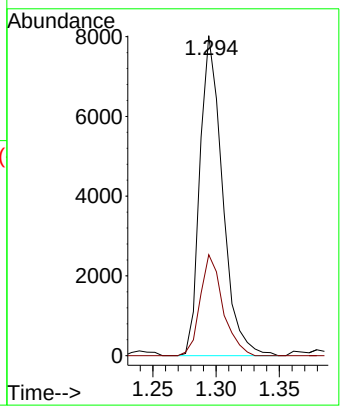


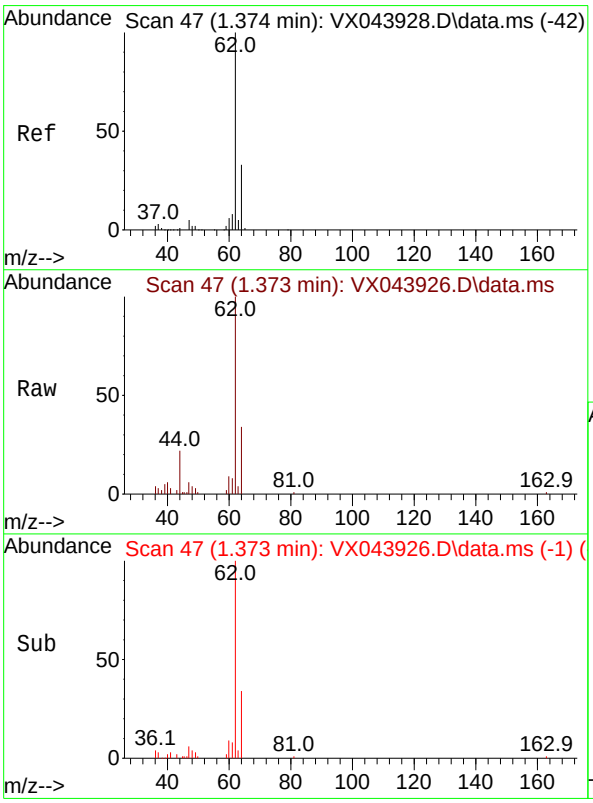
#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 9980

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1

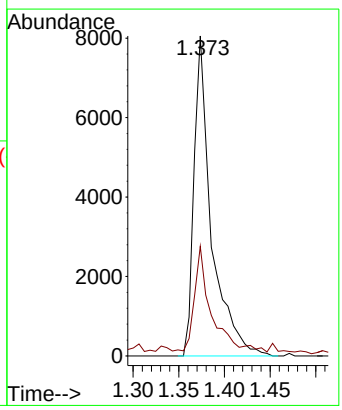


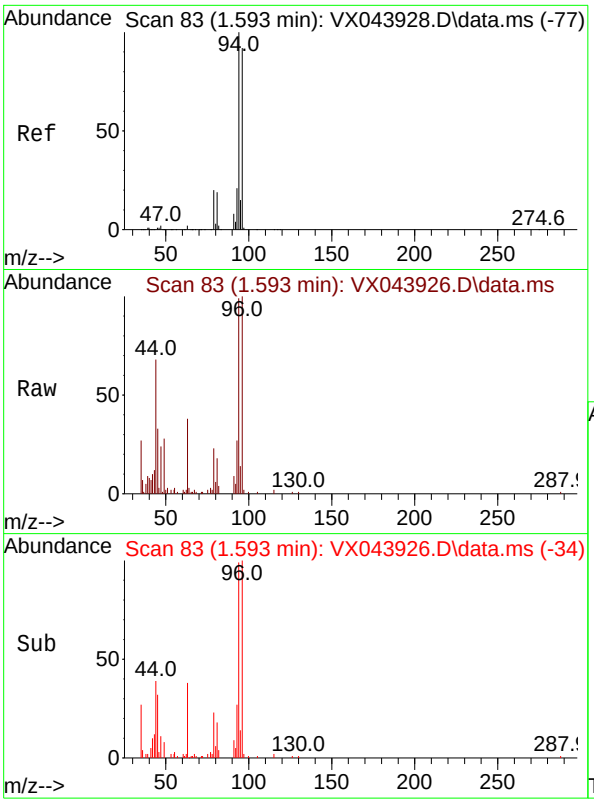


#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



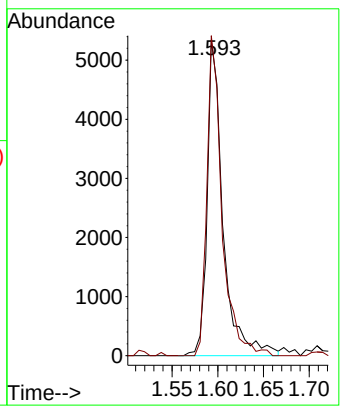


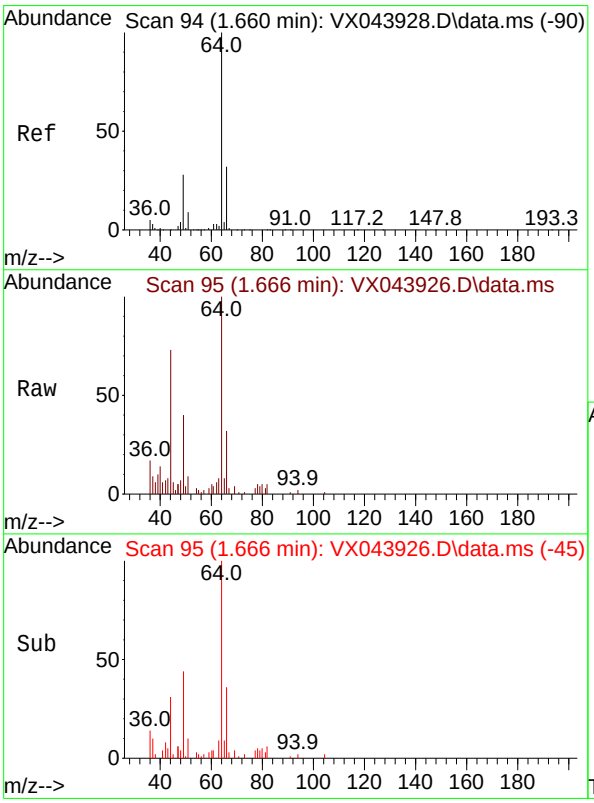
#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6415

Ion	Ratio	Lower	Upper
94	100		
96	101.5	73.9	110.9

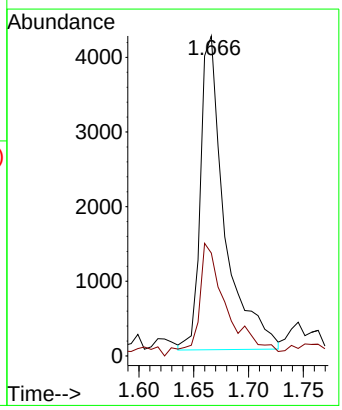


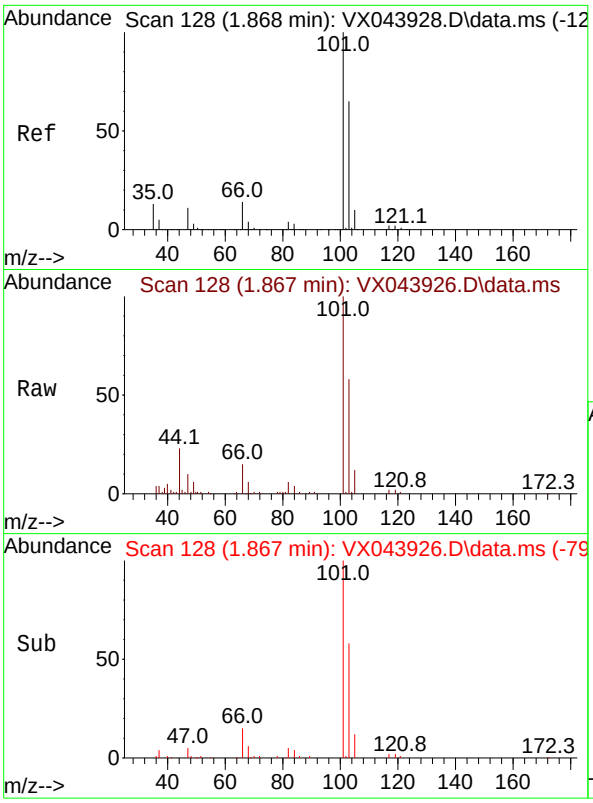


#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.9	38.9



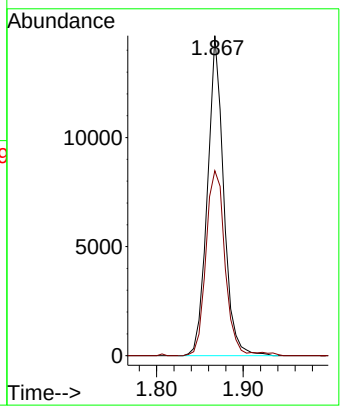


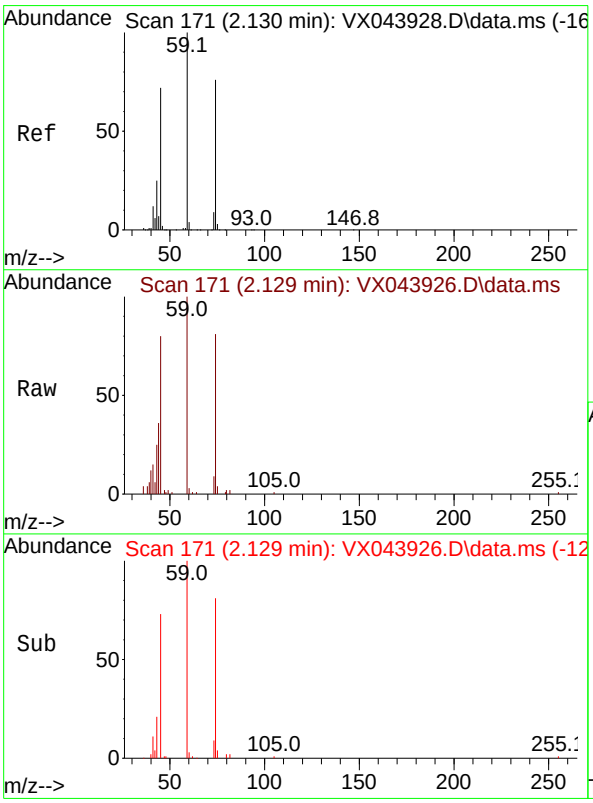
#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 19099

Ion	Ratio	Lower	Upper
101	100		
103	57.8	52.2	78.2

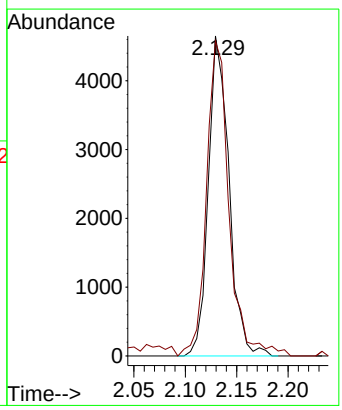


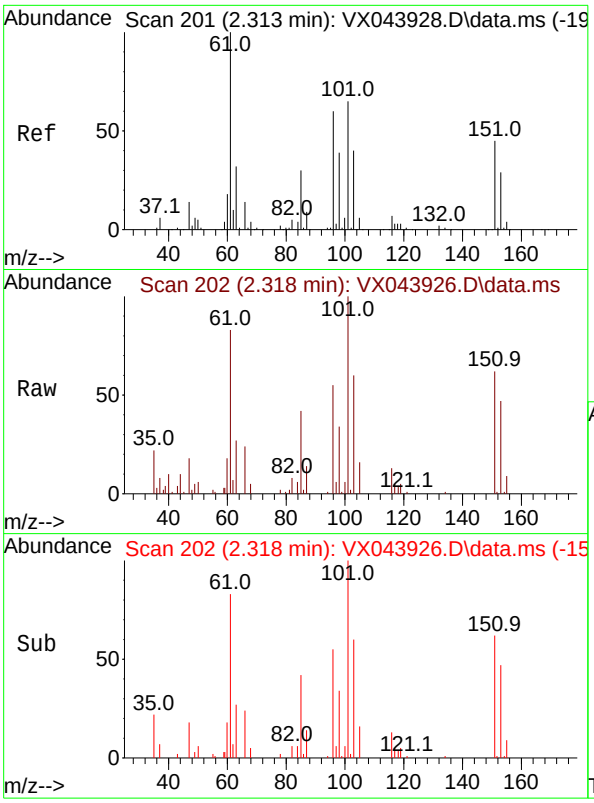


#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

Ion	Ratio	Lower	Upper
74	100		
45	106.9	47.9	143.6



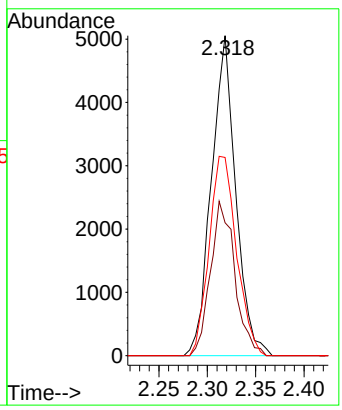


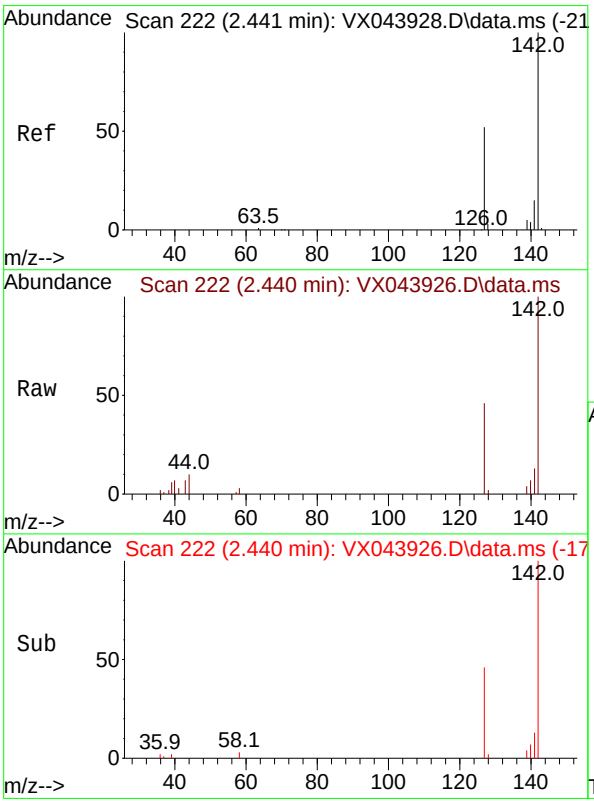
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8824

Ion	Ratio	Lower	Upper
101	100		
85	48.4	37.9	56.9
151	70.3	57.5	86.3

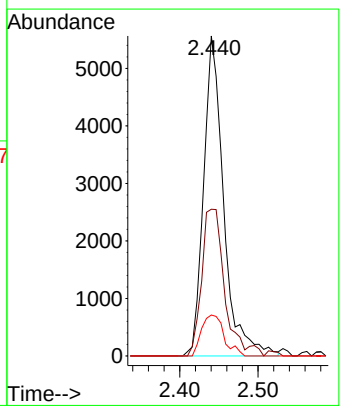


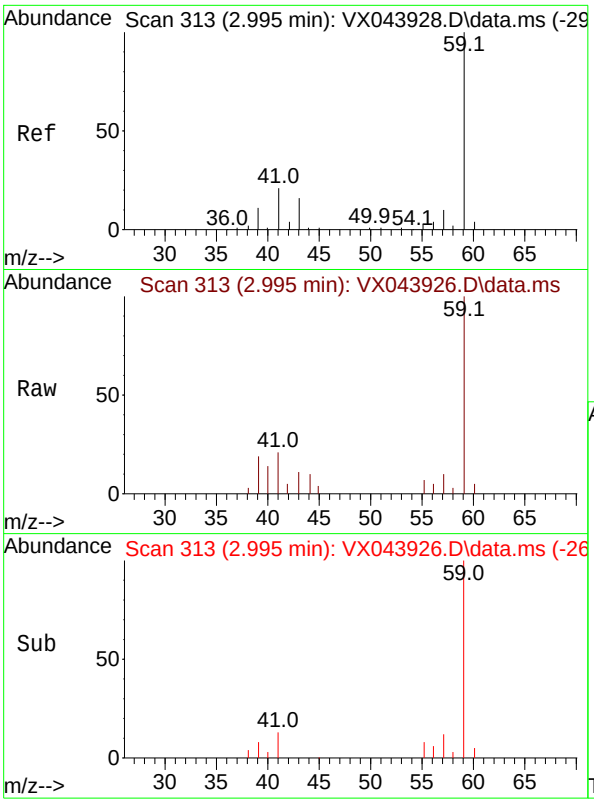


#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.4	12.0	18.0



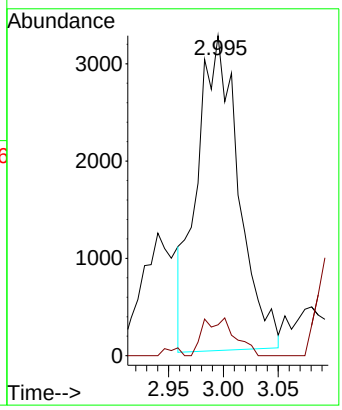


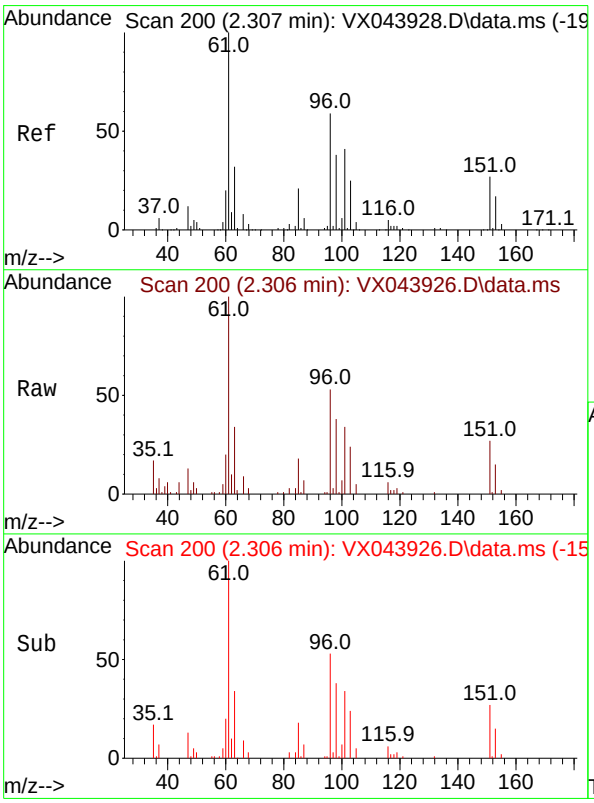
#11
Tert butyl alcohol
Concen: 20.610 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8556

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.9	11.9

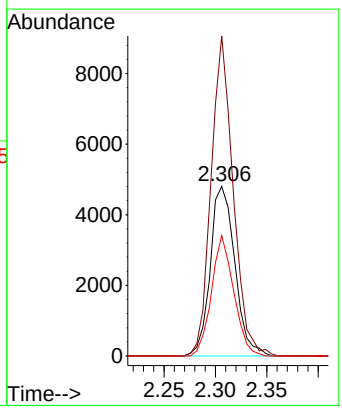


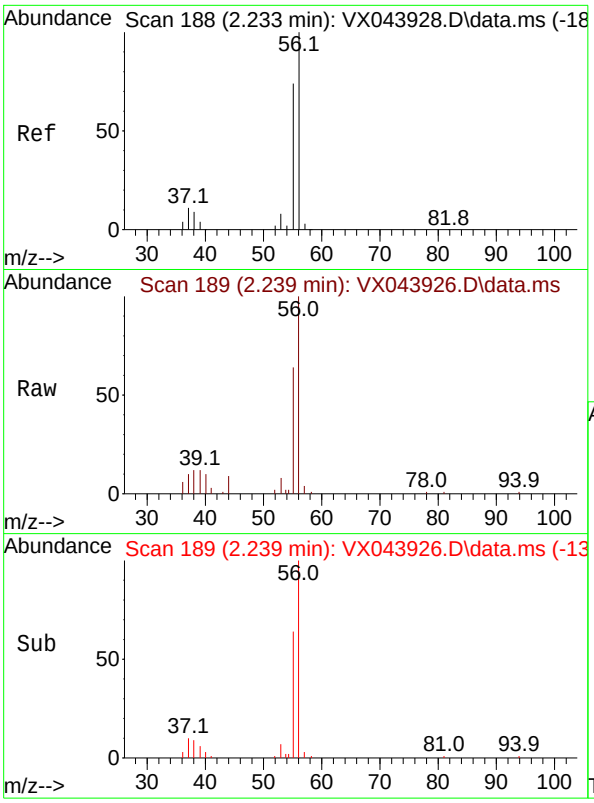


#12
1,1-Dichloroethene
Concen: 4.597 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

Ion	Ratio	Lower	Upper
96	100		
61	188.7	135.5	203.3
98	71.1	50.8	76.2



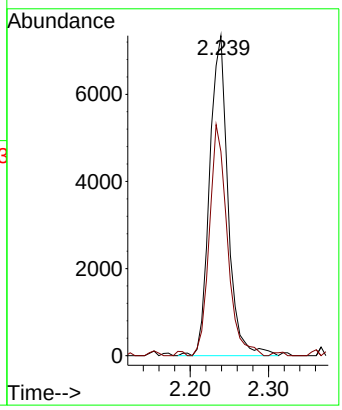


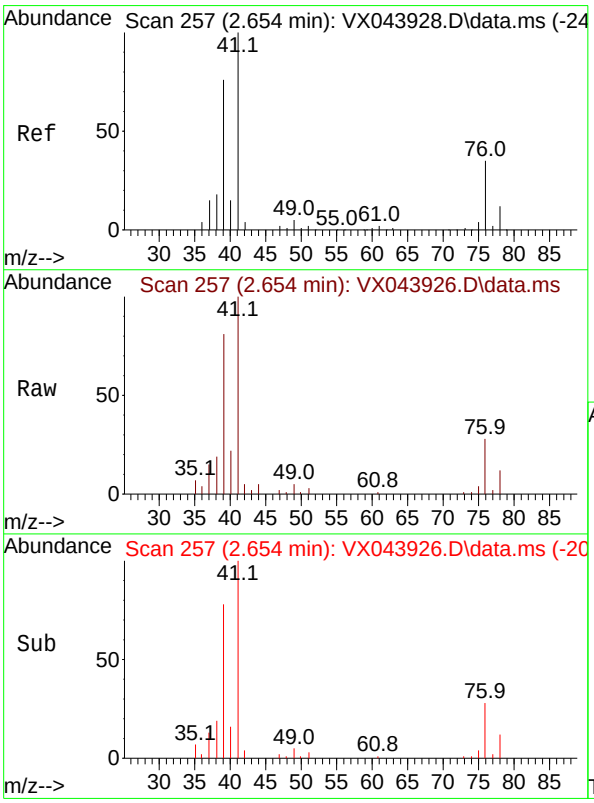
#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 11940

Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2

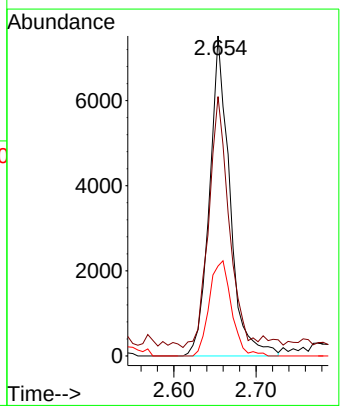


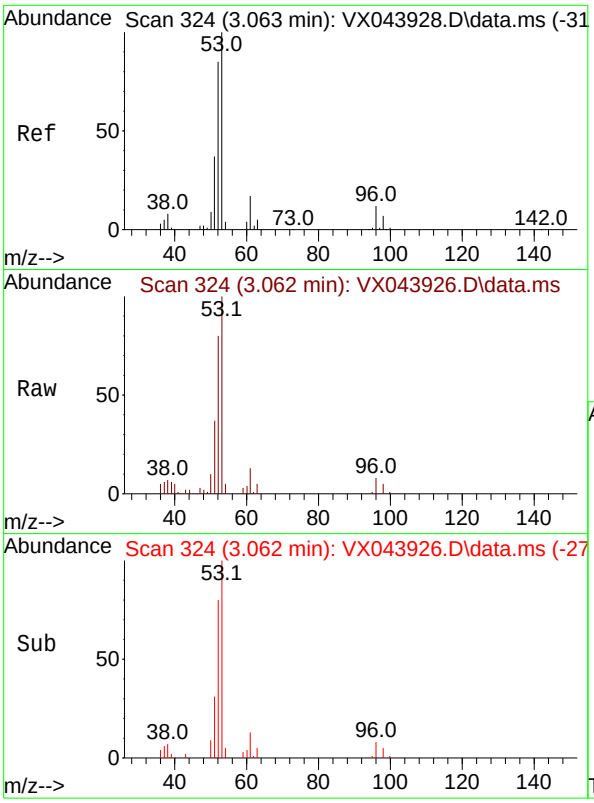


#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	32.4	27.4	41.2



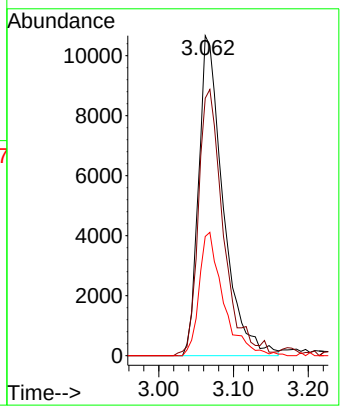


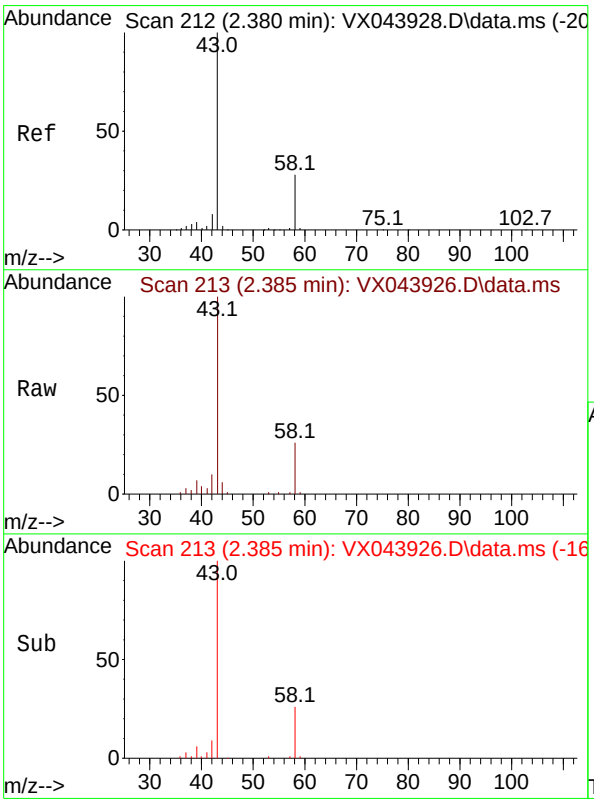
#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 24290

Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.5	99.7
51	38.0	30.2	45.4

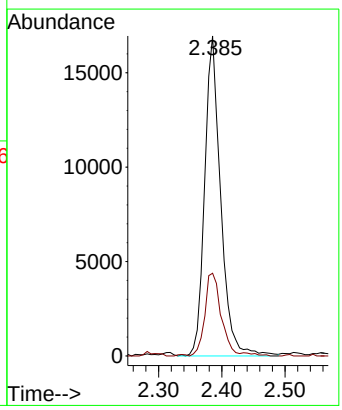


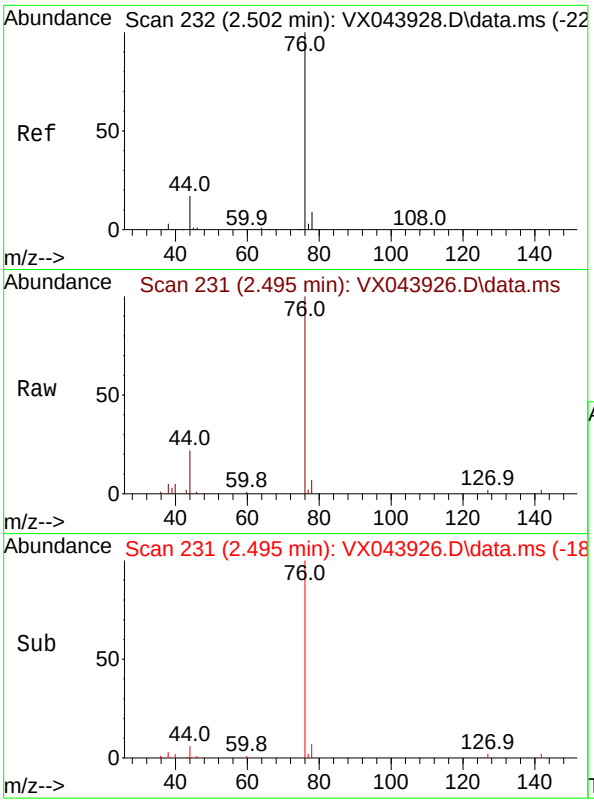


#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1



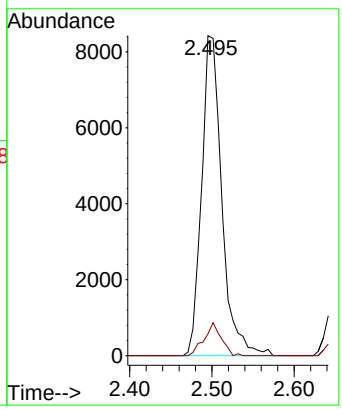


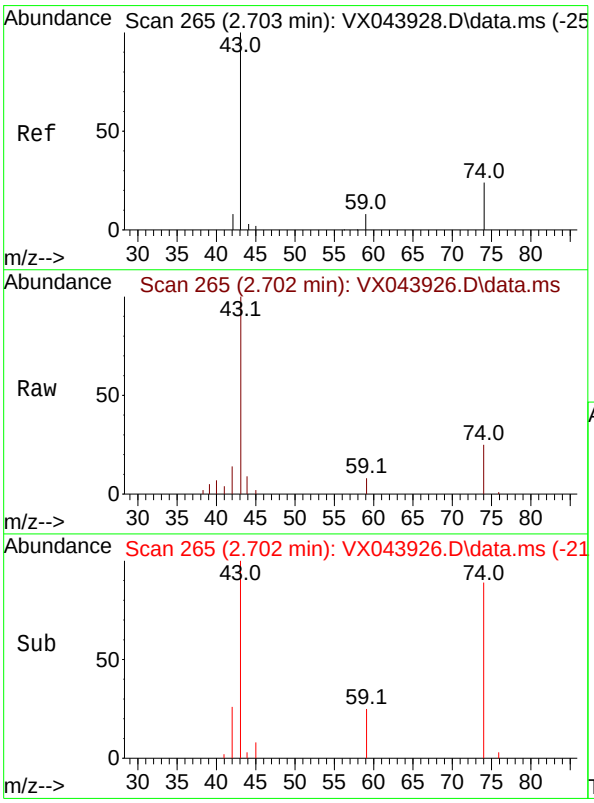
#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 14415

Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.0	10.6#

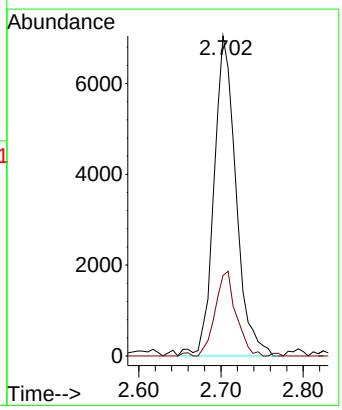


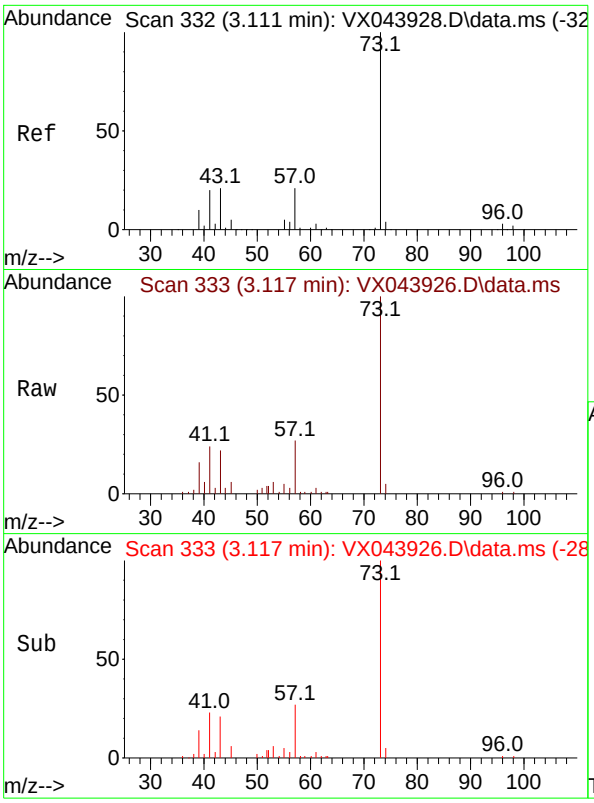


#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3



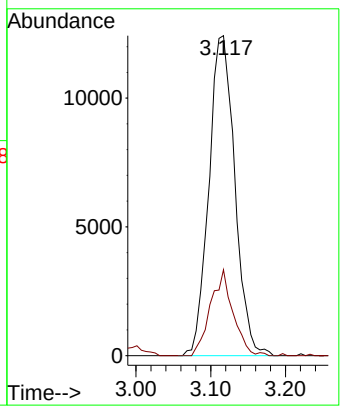


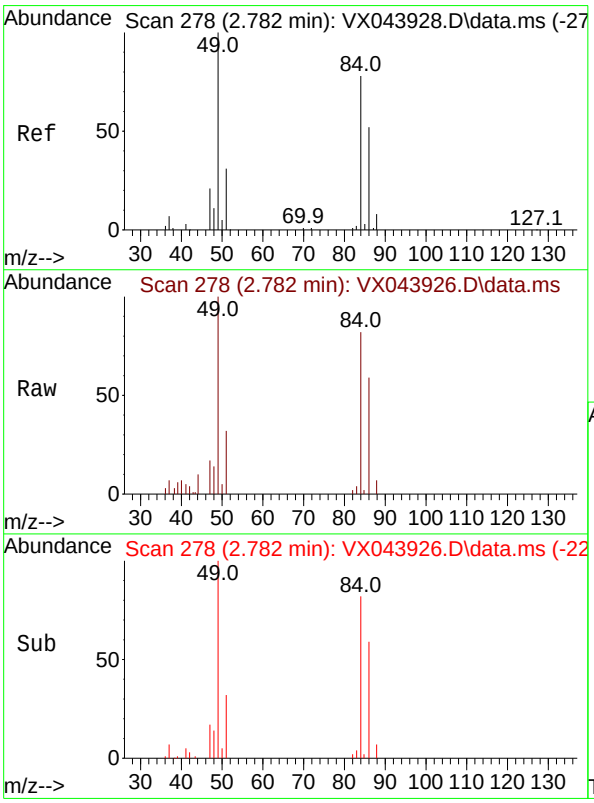
#19
Methyl tert-butyl Ether
Concen: 4.759 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30022

Ion	Ratio	Lower	Upper
73	100		
57	26.8	17.0	25.6#

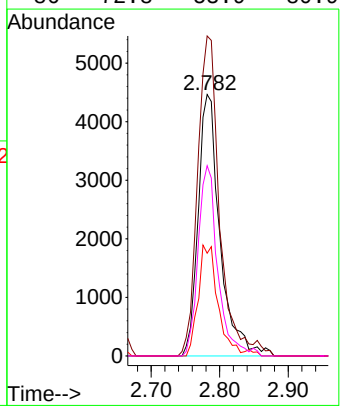


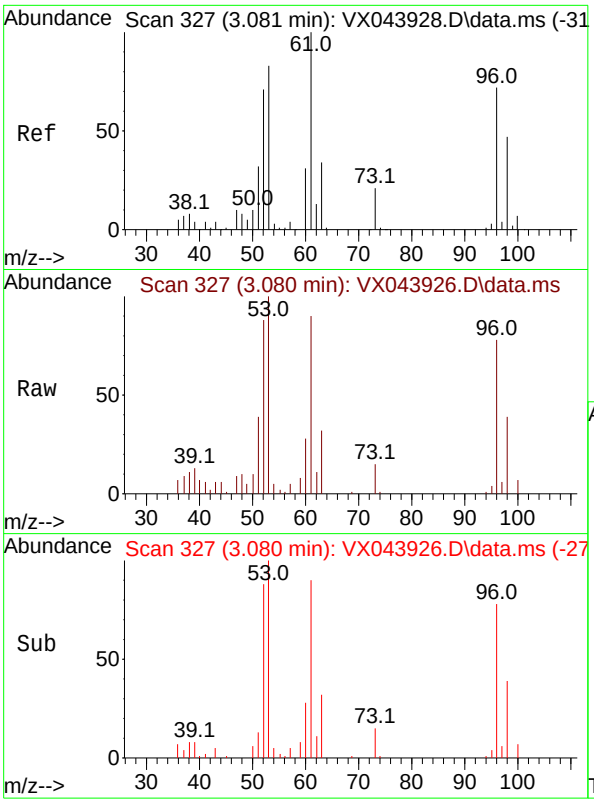


#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

Ion	Ratio	Lower	Upper
84	100		
49	122.4	102.7	154.1
51	39.3	31.7	47.5
86	72.8	53.9	80.9



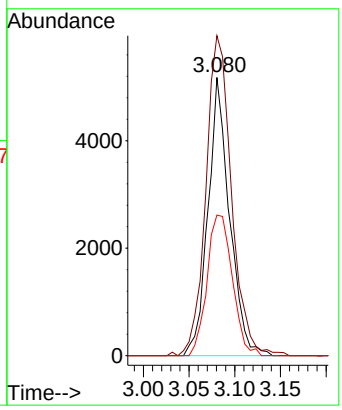


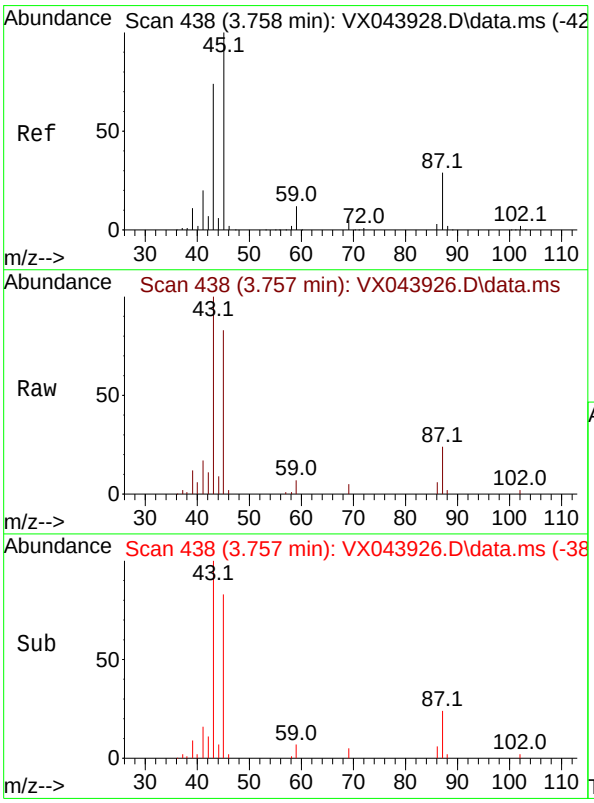
#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8486

Ion	Ratio	Lower	Upper
96	100		
61	115.0	111.8	167.6
98	50.6	52.7	79.1#

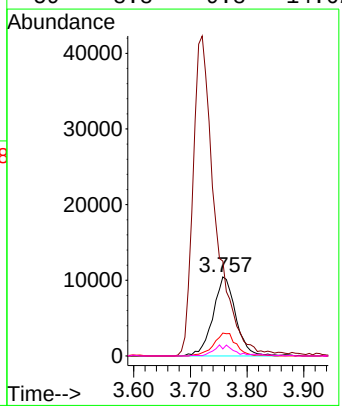


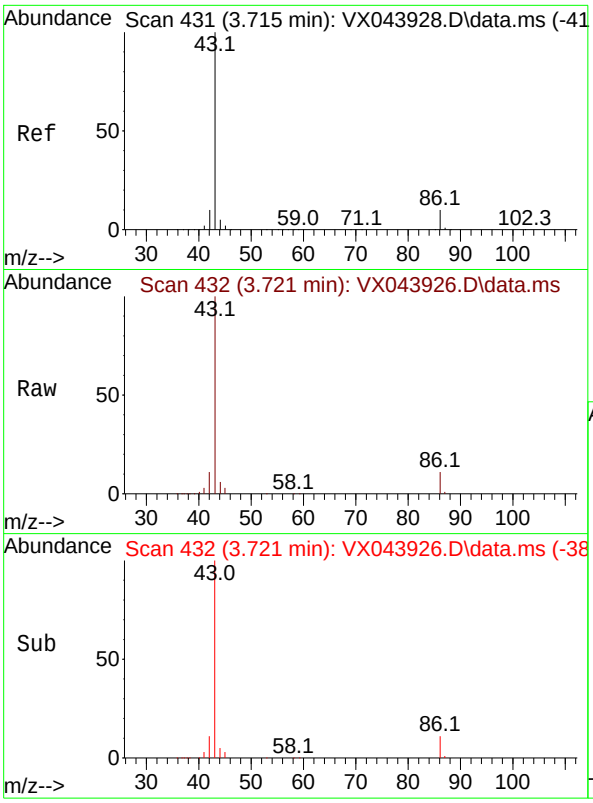


#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

Ion	Ratio	Lower	Upper
45	100		
43	118.7	59.6	89.4#
87	29.0	22.9	34.3
59	8.8	9.8	14.6#



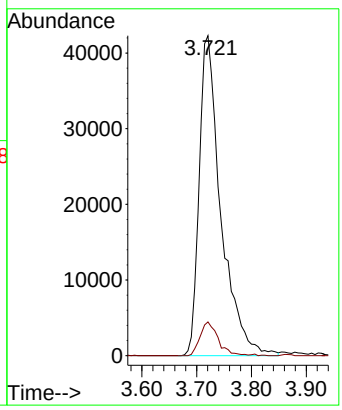


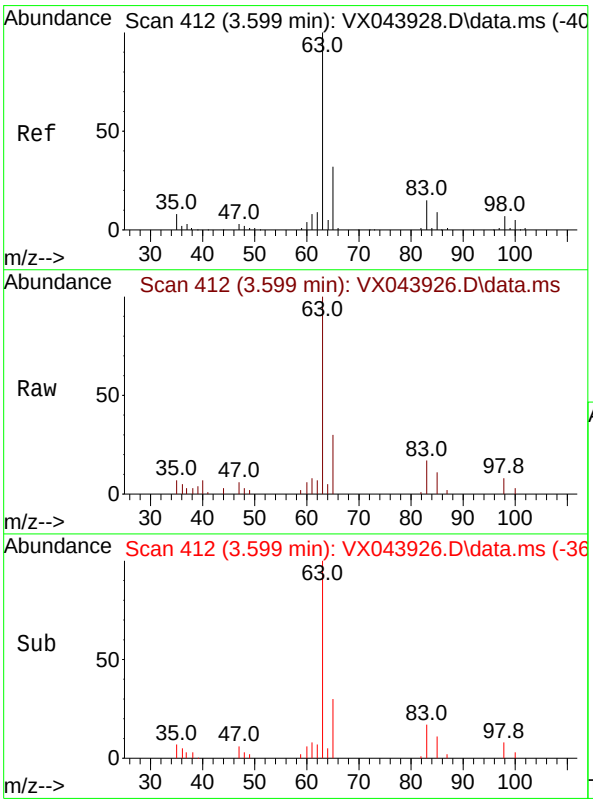
#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 116242

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

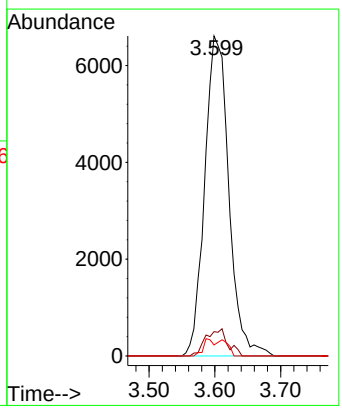


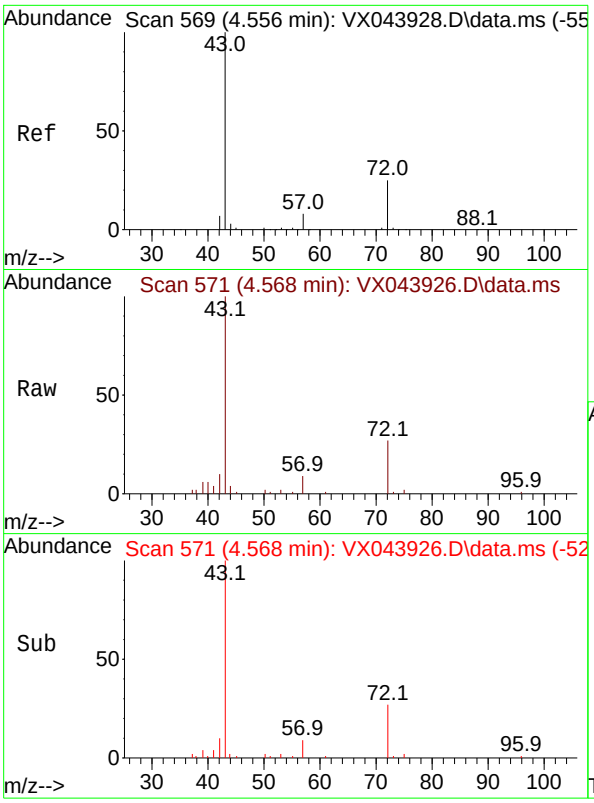


#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	3.5	2.4	7.1



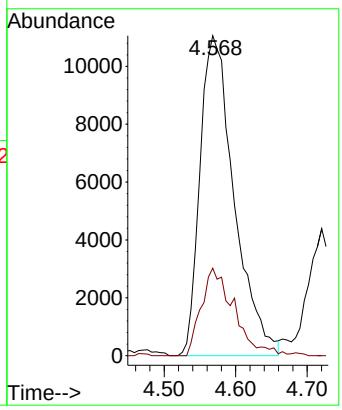


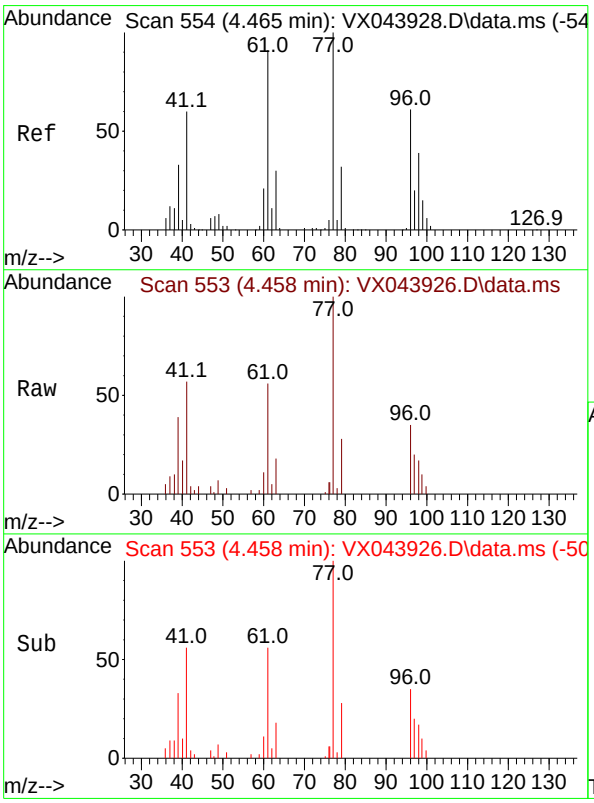
#25
2-Butanone
Concen: 23.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 36680

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.2

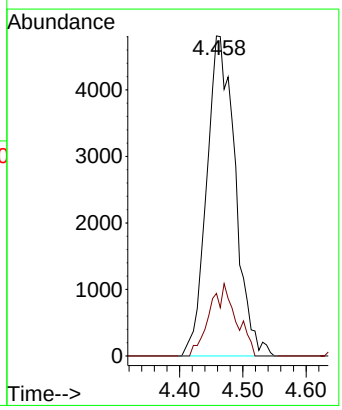


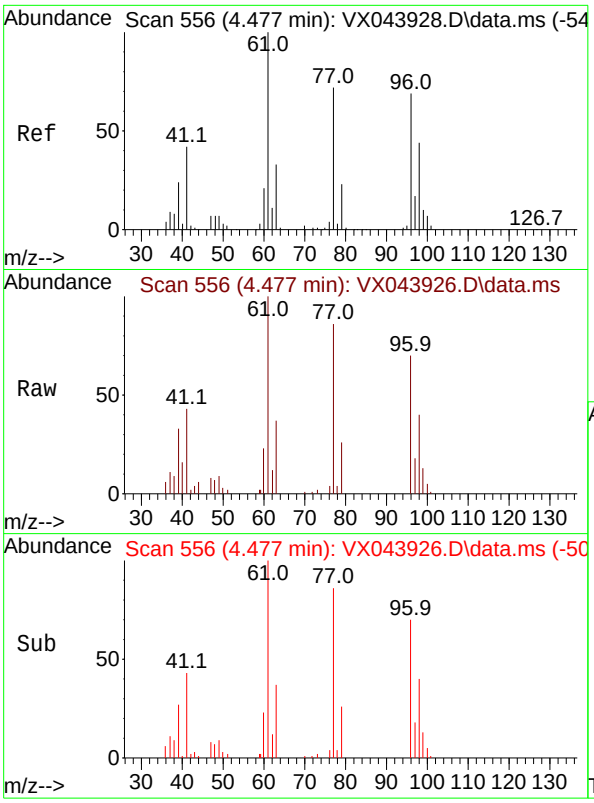


#26
2,2-Dichloropropane
Concen: 4.755 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

Ion	Ratio	Lower	Upper
77	100		
97	10.0	10.8	32.3#



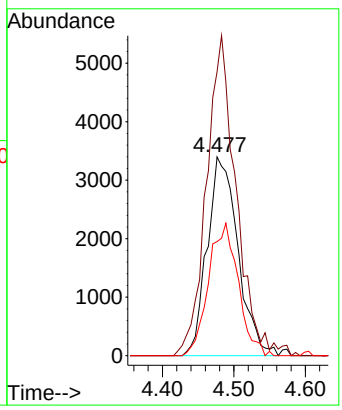


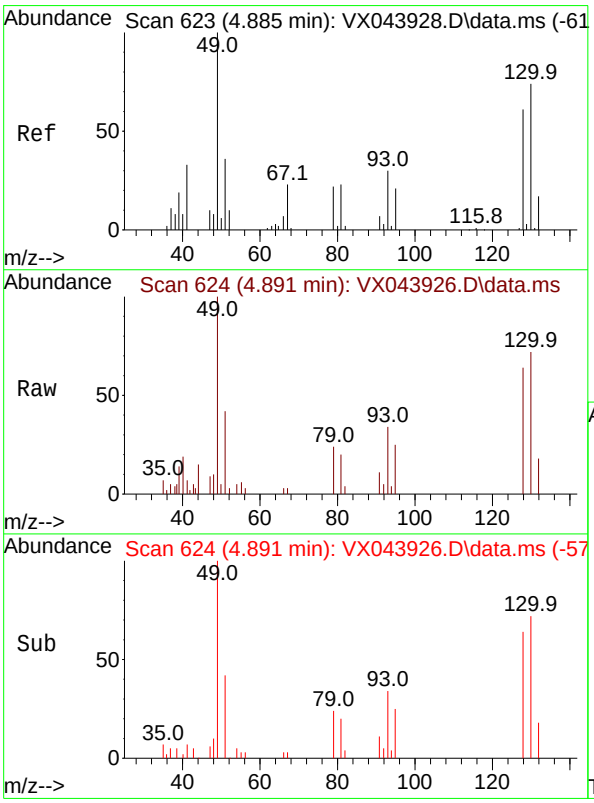
#27
cis-1,2-Dichloroethene
Concen: 4.579 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10153

Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	297.4
98	64.3	0.0	127.8

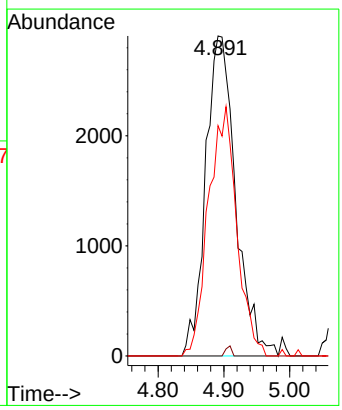


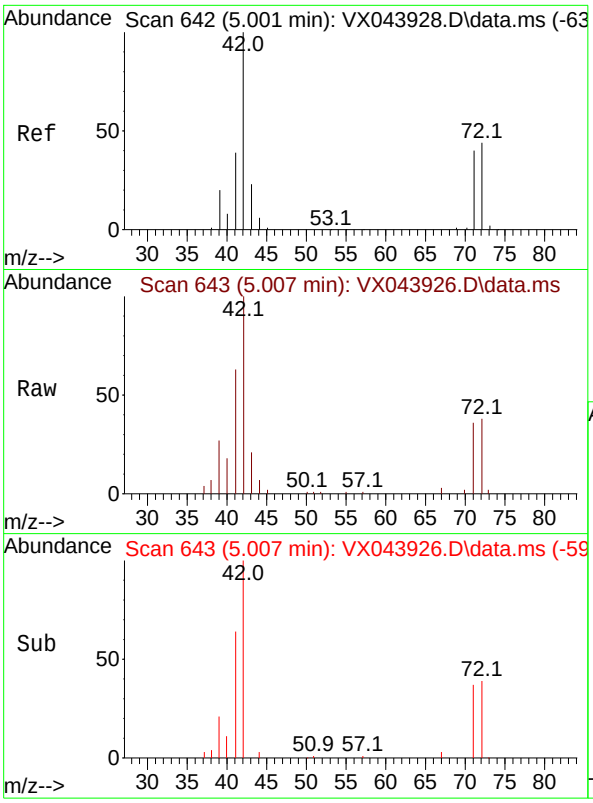


#28
Bromochloromethane
Concen: 5.974 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	73.5	59.0	88.6



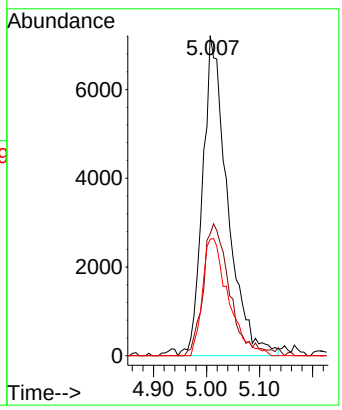


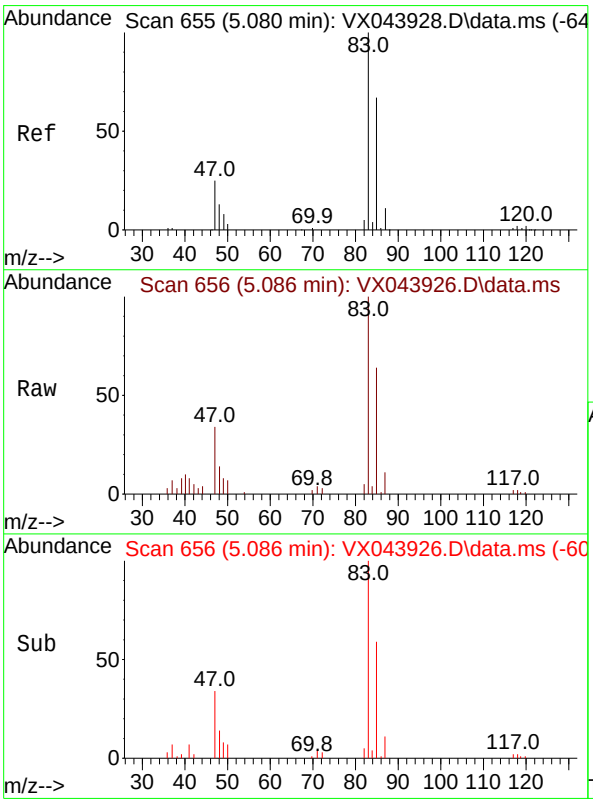
#29
Tetrahydrofuran
Concen: 25.028 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 23518

Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.4	54.6
71	38.1	33.4	50.0

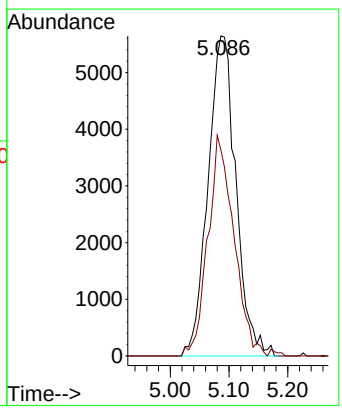


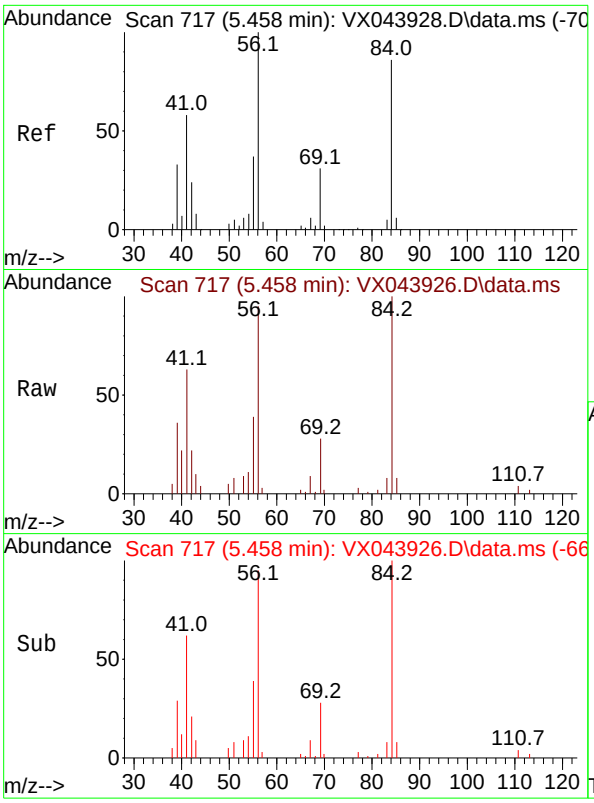


#30
Chloroform
Concen: 4.954 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3



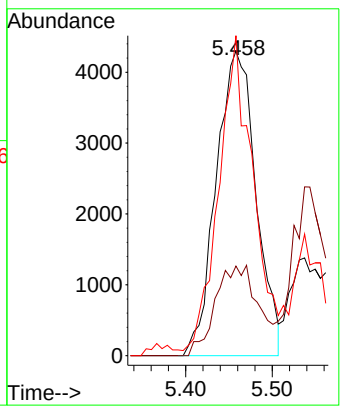


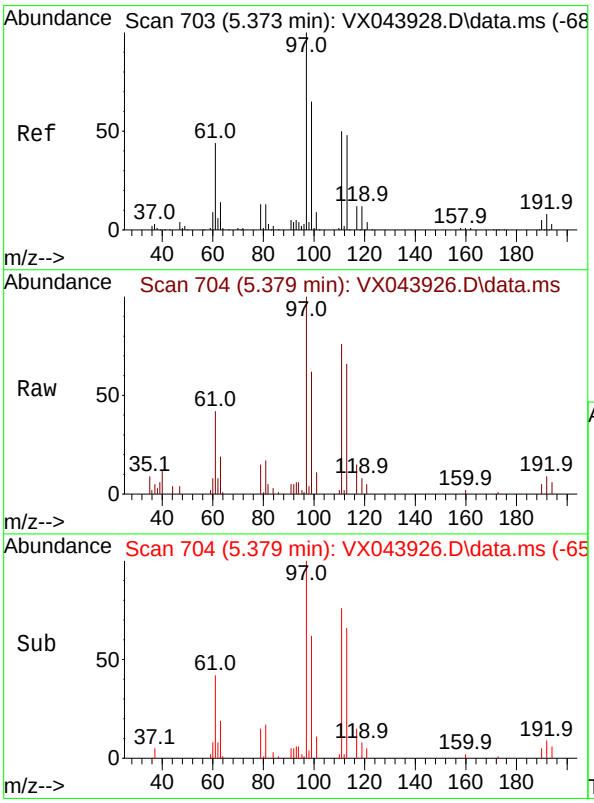
#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13740

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.7	37.1
84	103.2	68.7	103.1#

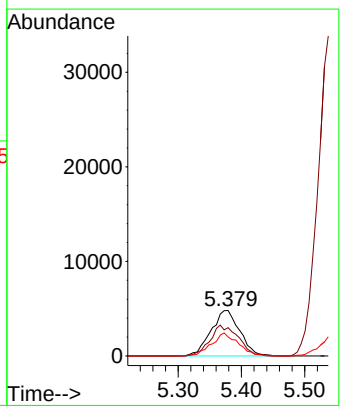


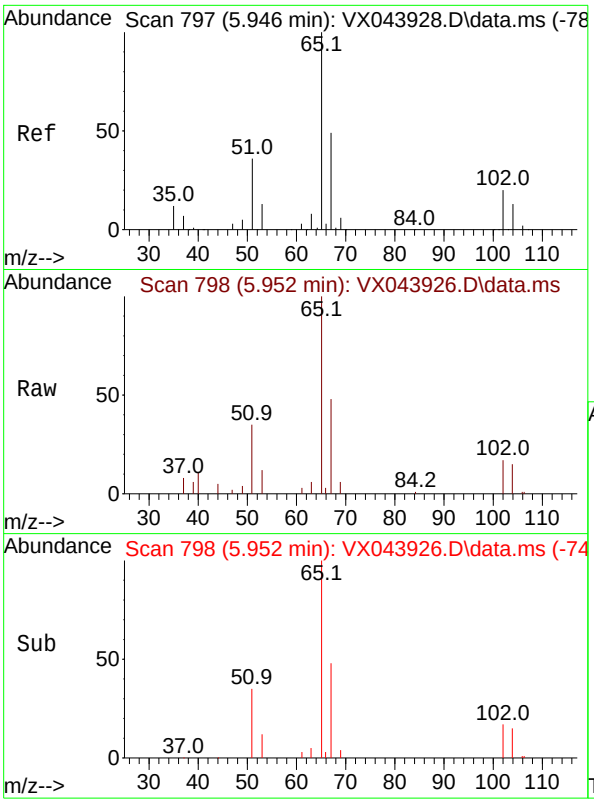


#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.8	76.2
61	46.2	35.4	53.2



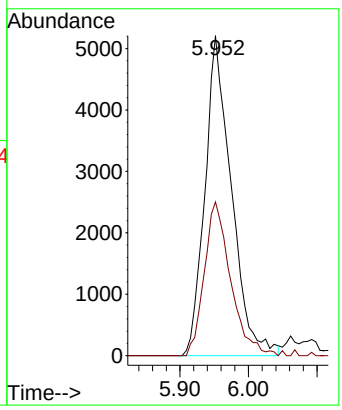


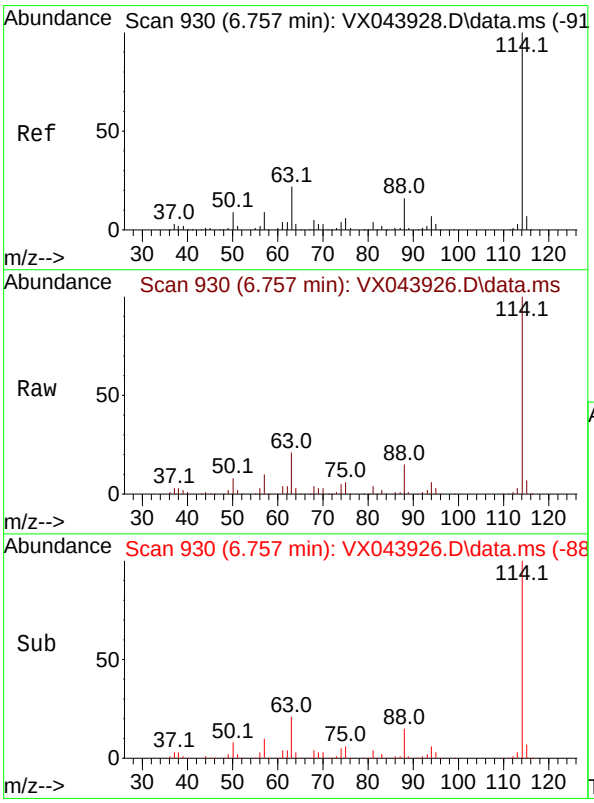
#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13961

Ion	Ratio	Lower	Upper
65	100		
67	47.8	0.0	100.8

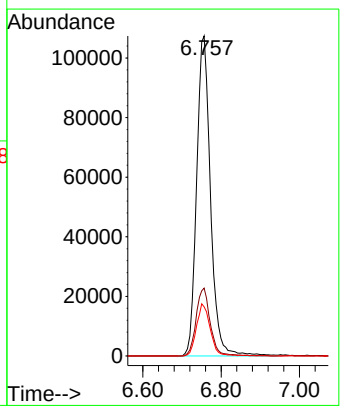


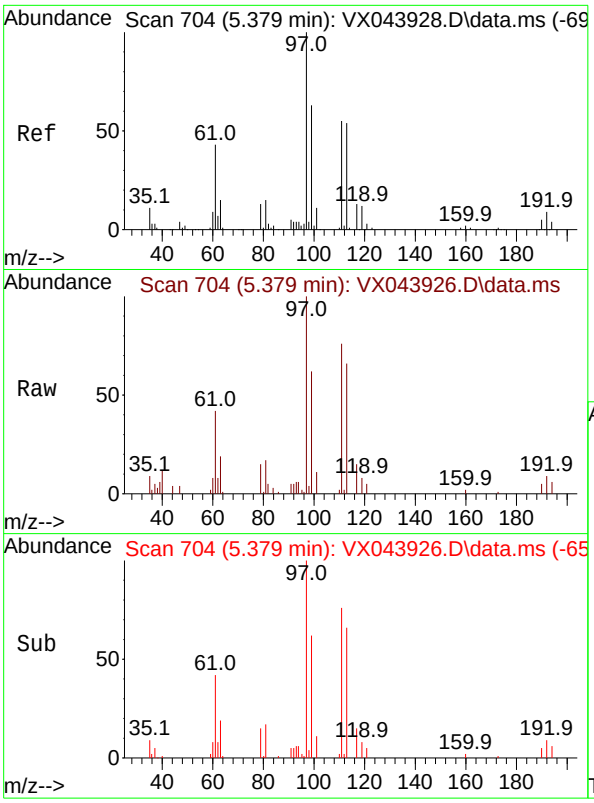


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	15.4	0.0	32.4



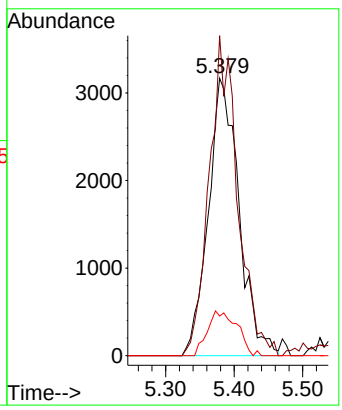


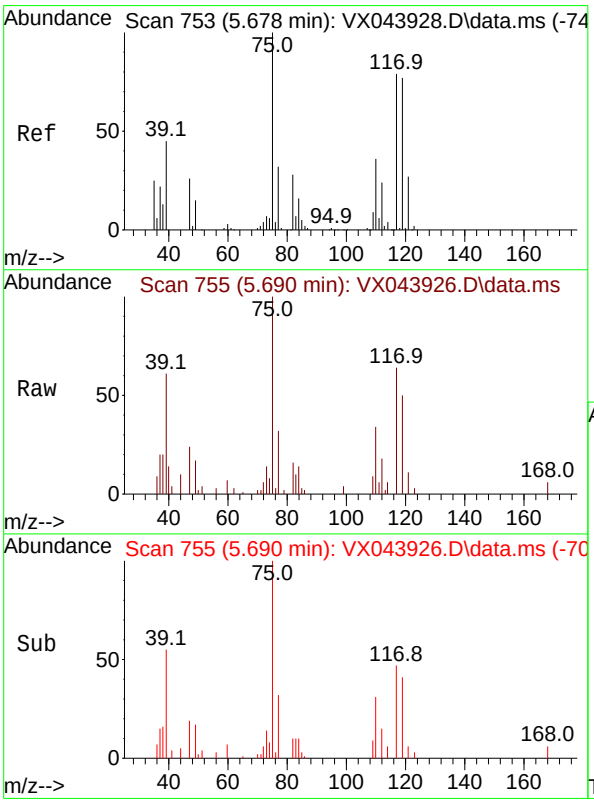
#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9842

Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.0	121.4
192	15.6	13.0	19.6

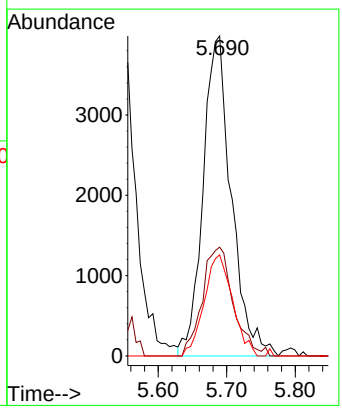


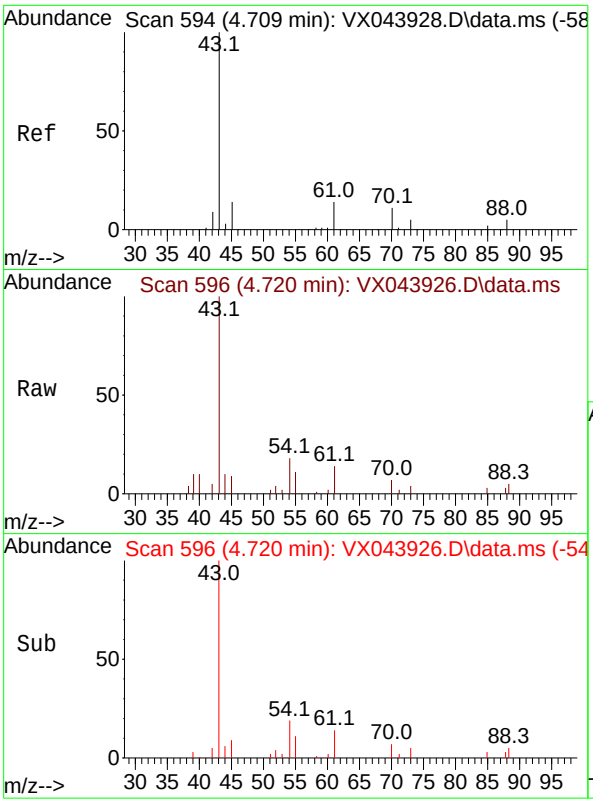


#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.4	52.2
77	31.6	25.8	38.8



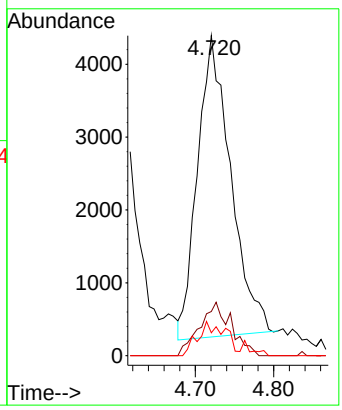


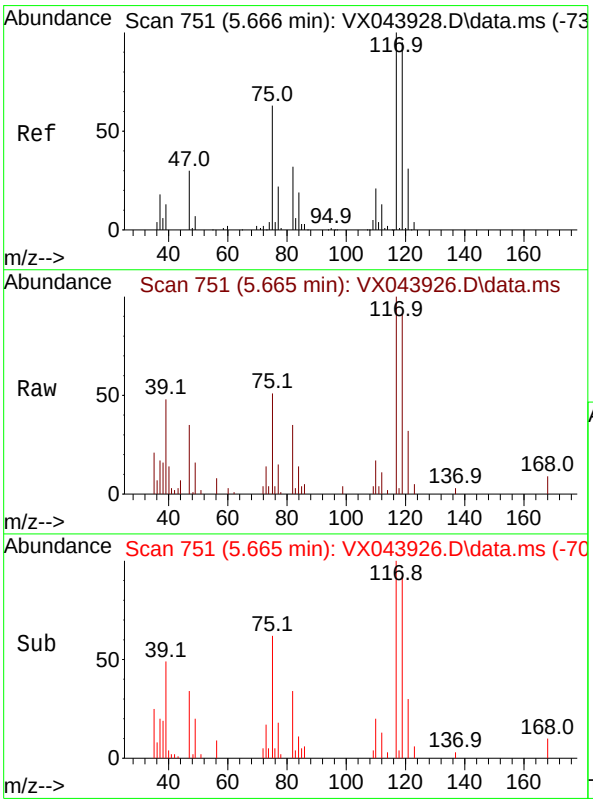
#37
Ethyl Acetate
Concen: 4.158 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12177

Ion	Ratio	Lower	Upper
43	100		
61	16.9	10.7	16.1#
70	9.4	8.0	12.0

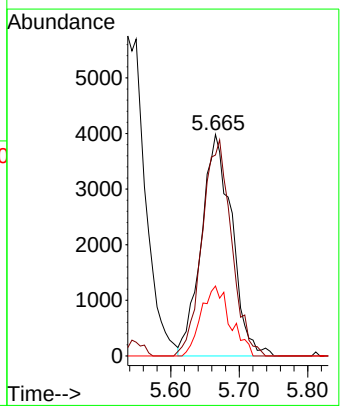


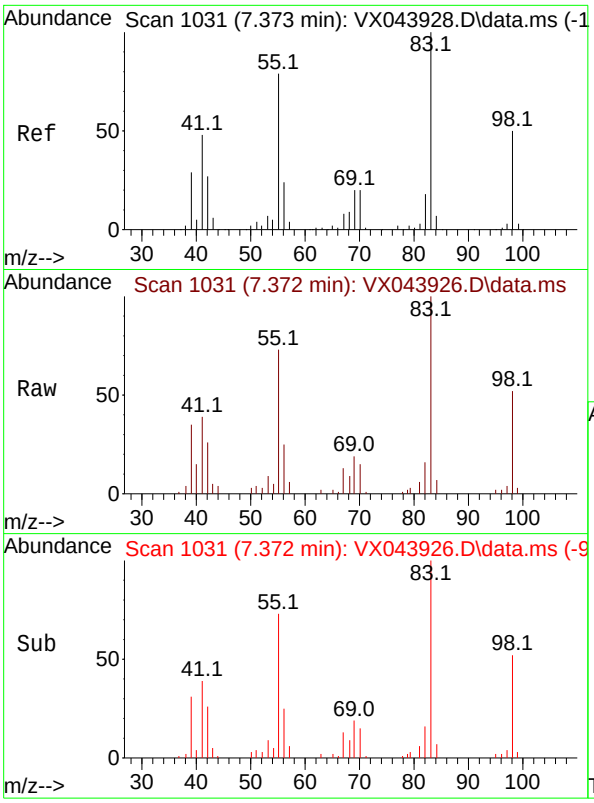


#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.5	24.5	36.7



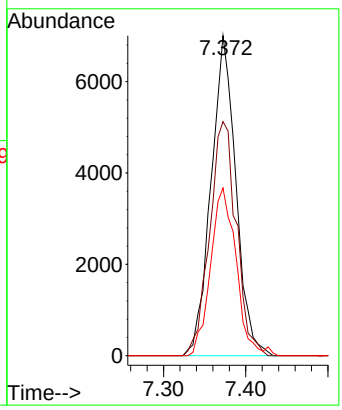


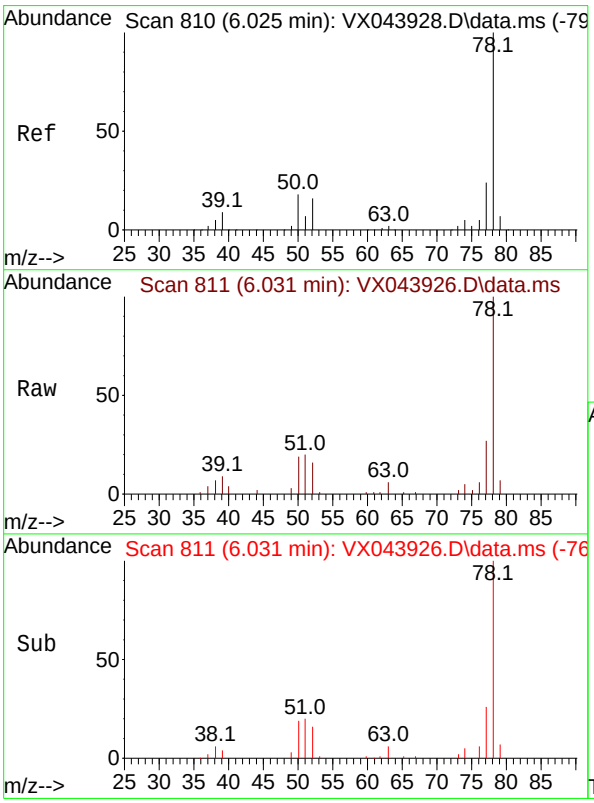
#39
Methylcyclohexane
Concen: 4.803 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14721

Ion	Ratio	Lower	Upper
83	100		
55	73.1	63.1	94.7
98	52.4	40.0	60.0

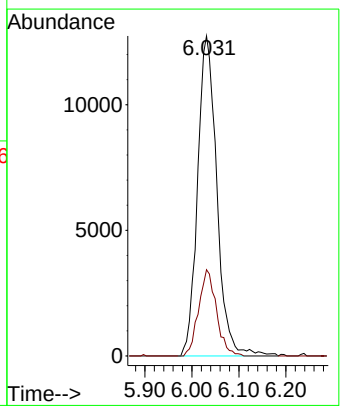


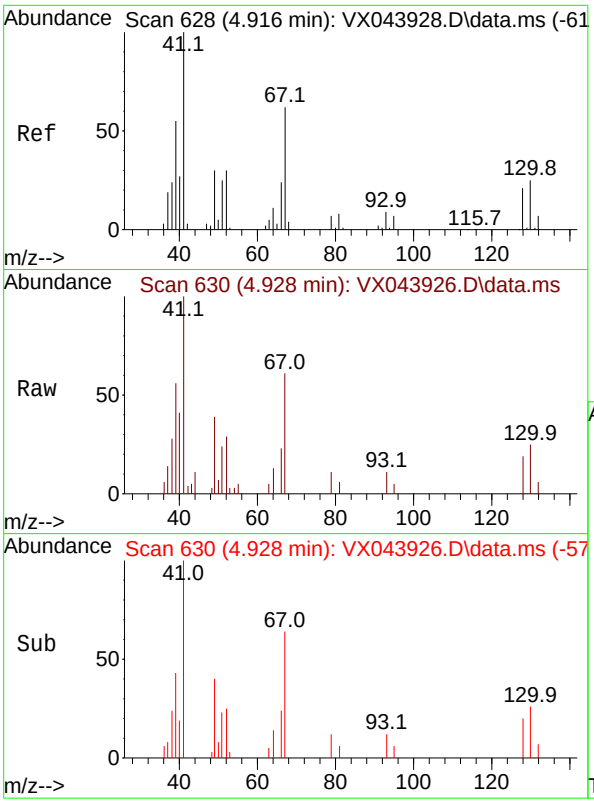


#40
Benzene
Concen: 4.937 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.2	28.8



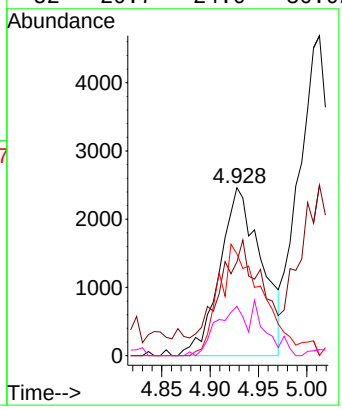


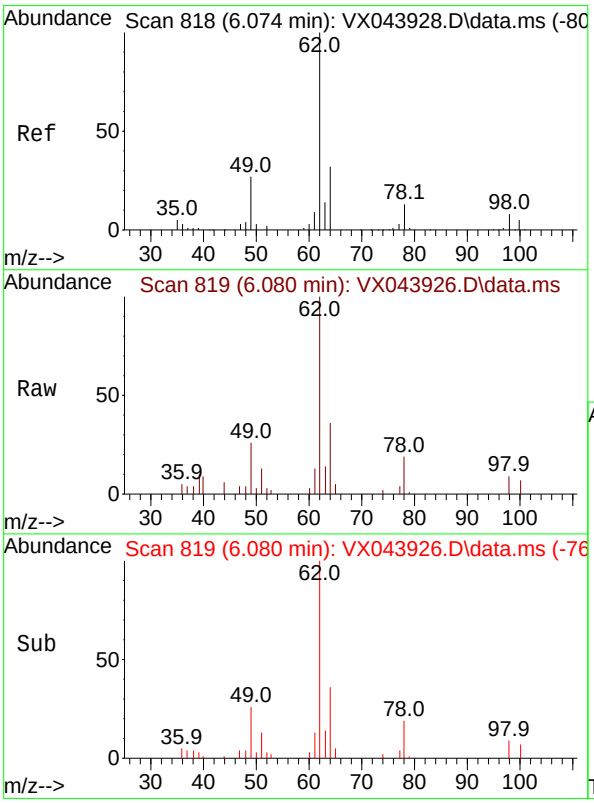
#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7355

Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.7	62.5
67	72.4	55.8	83.8
52	20.7	24.0	36.0#

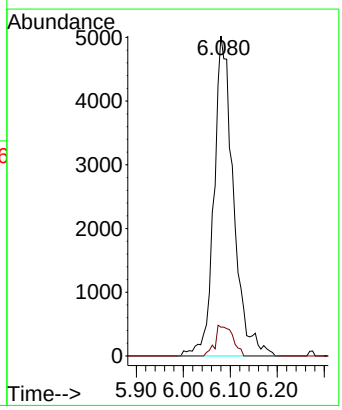


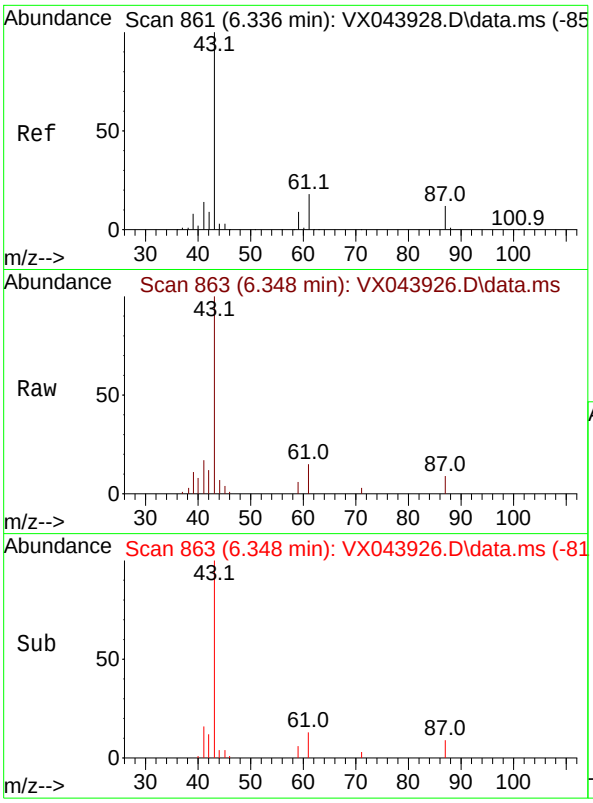


#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



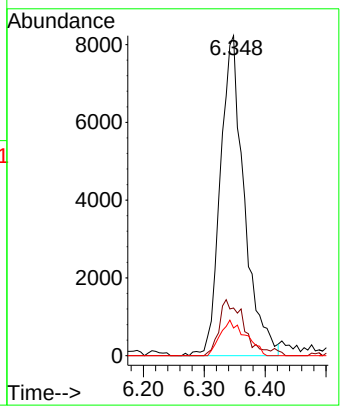


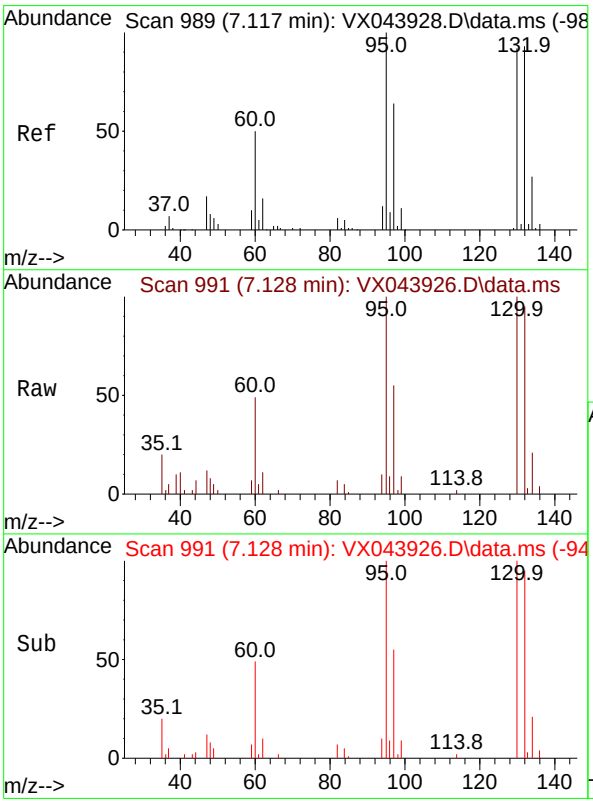
#43
Isopropyl Acetate
Concen: 4.777 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 22267

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.9	10.2	15.2

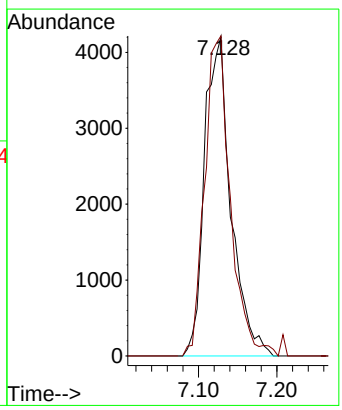


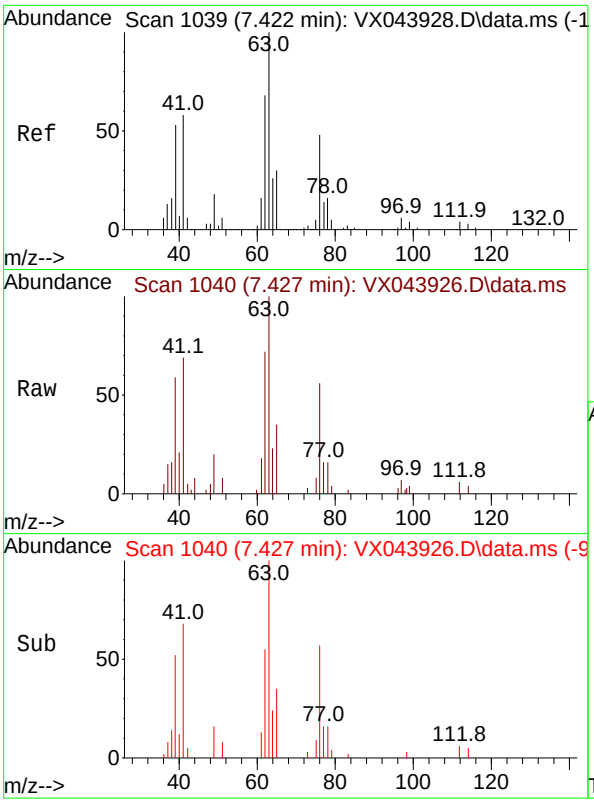


#44
Trichloroethene
Concen: 4.736 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	217.8



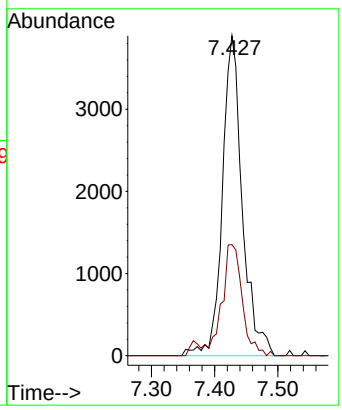


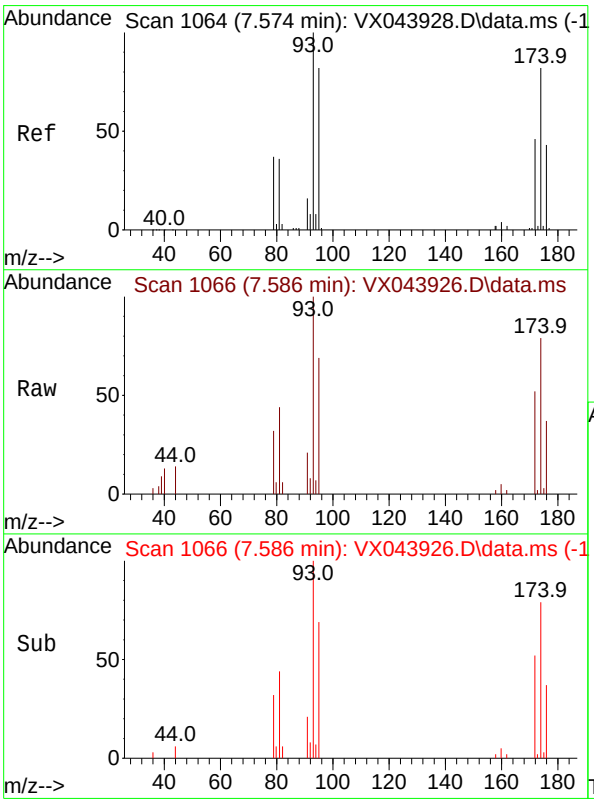
#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 8525

Ion	Ratio	Lower	Upper
63	100		
65	34.7	23.8	35.6

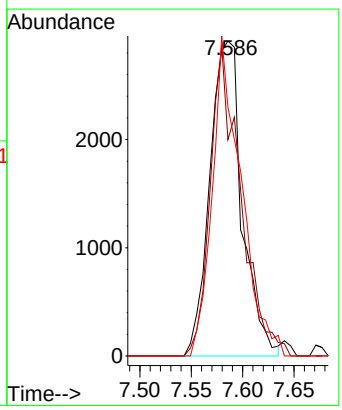


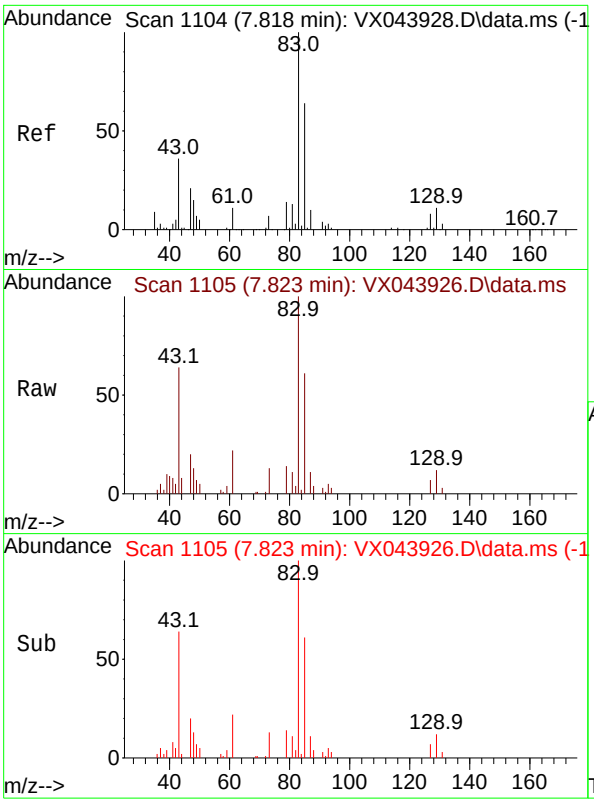


#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

Ion	Ratio	Lower	Upper
93	100		
95	92.5	66.2	99.4
174	90.3	69.6	104.4



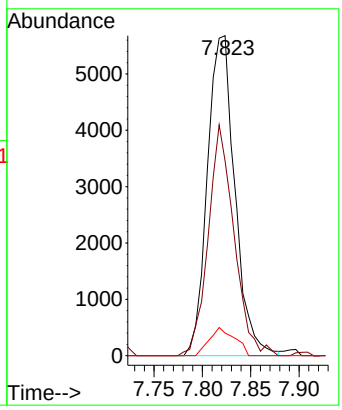


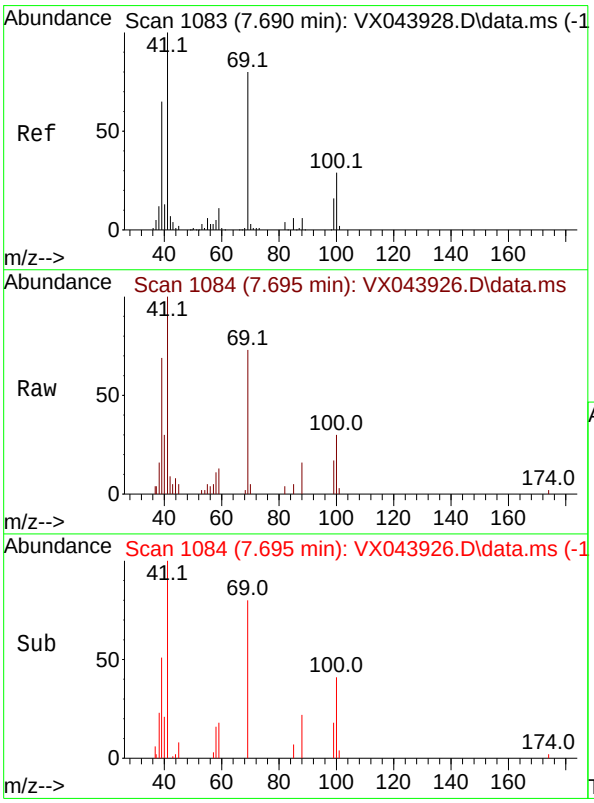
#47
Bromodichloromethane
Concen: 4.405 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11249

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.0
127	7.1	6.6	10.0

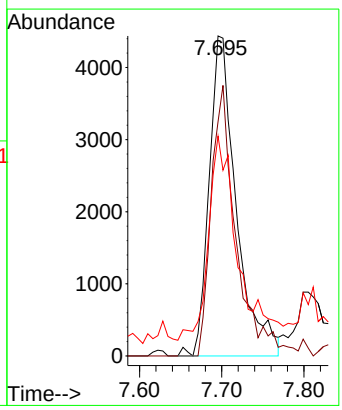


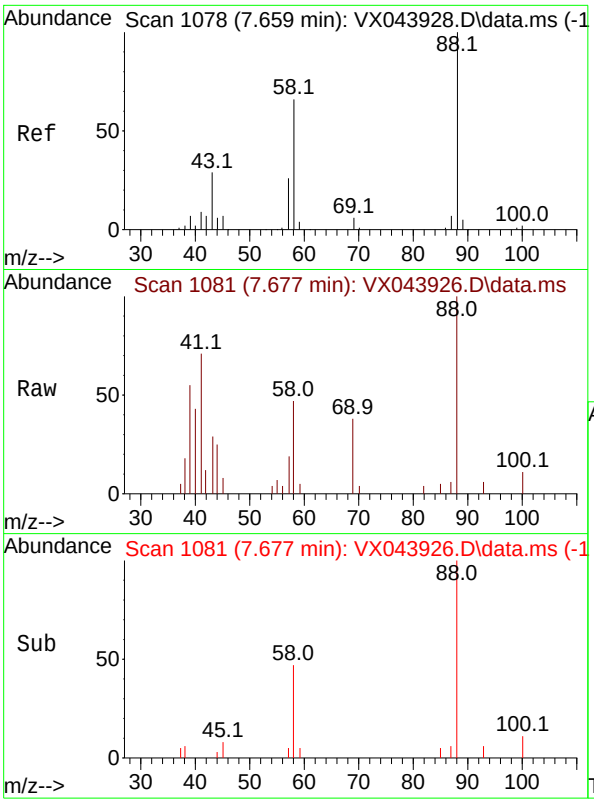


#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

Ion	Ratio	Lower	Upper
41	100		
69	77.6	64.6	97.0
39	60.5	53.3	79.9



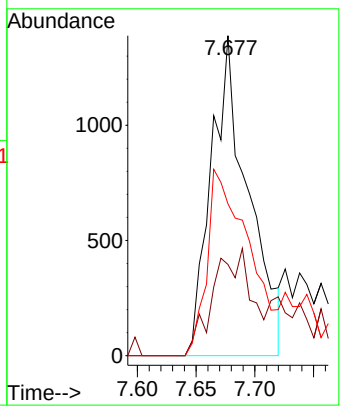


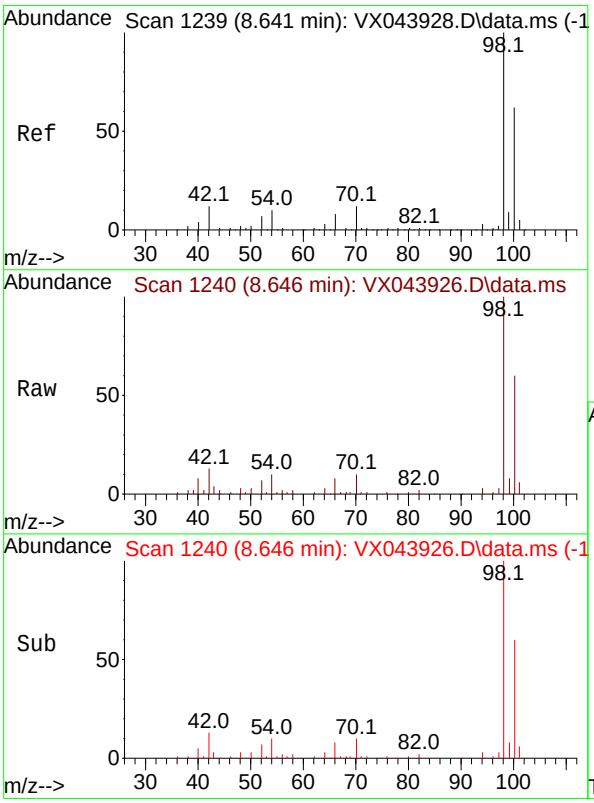
#49
1,4-Dioxane
Concen: 79.255 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3056

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	66.3	45.4	68.2

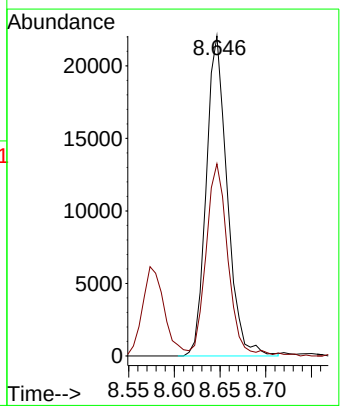


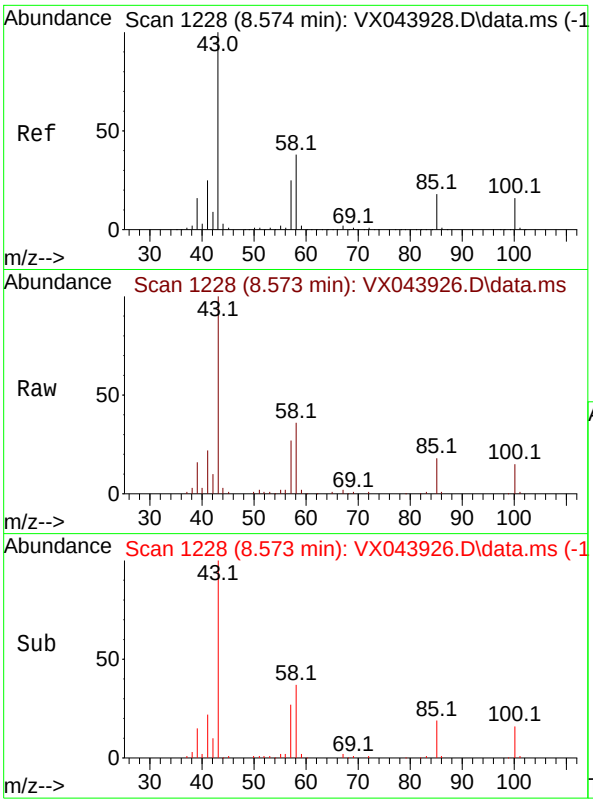


#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.6	79.0



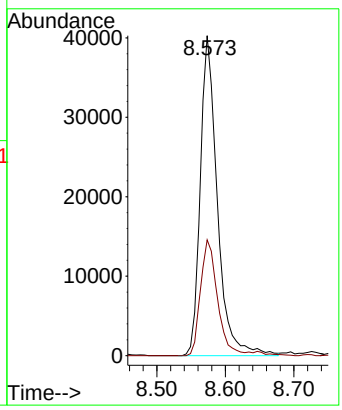


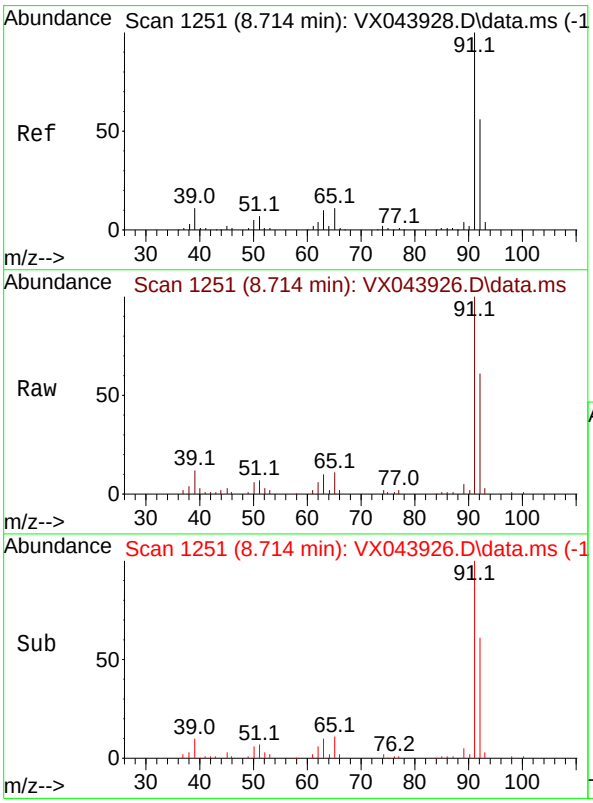
#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 69843

Ion	Ratio	Lower	Upper
43	100		
58	35.9	30.0	45.0

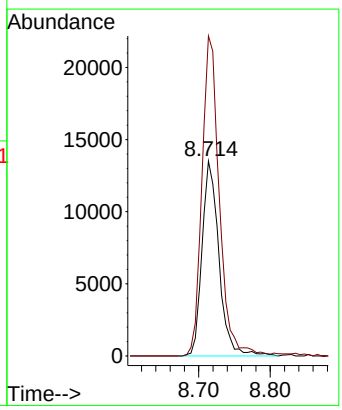


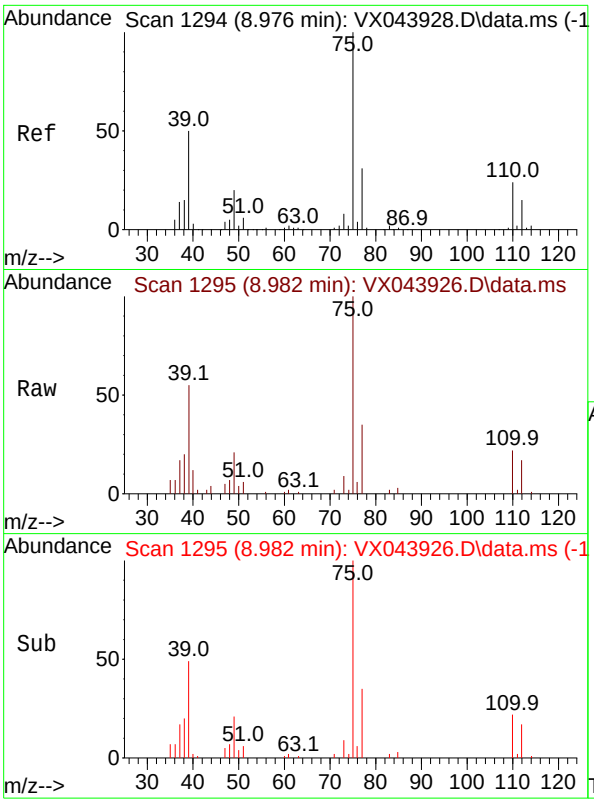


#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.7	209.5



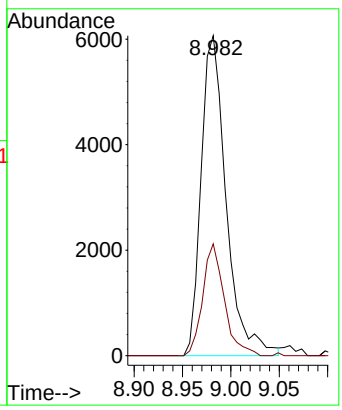


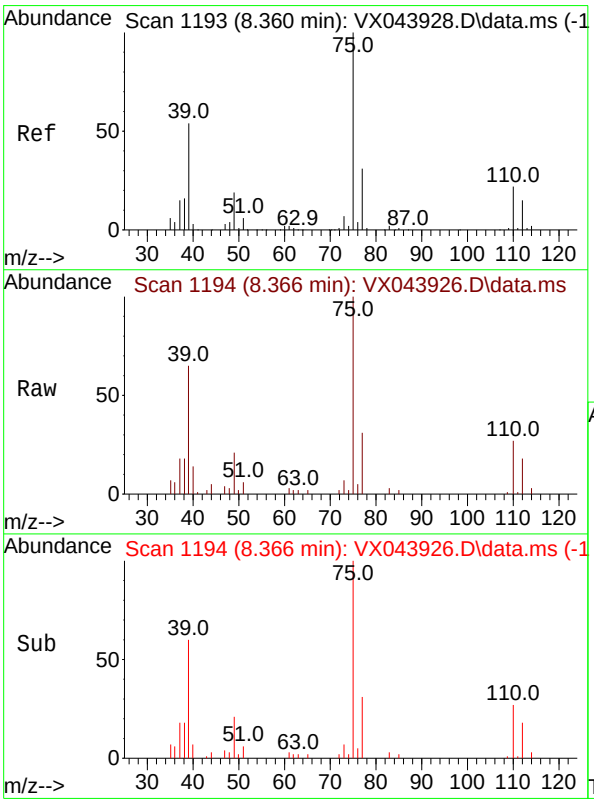
#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 10937

Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.1	37.7

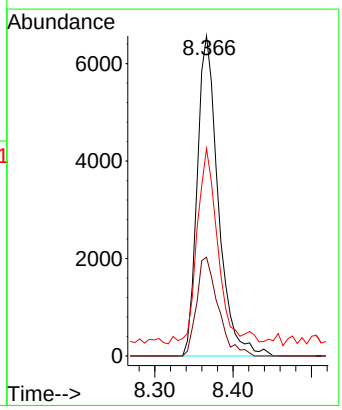


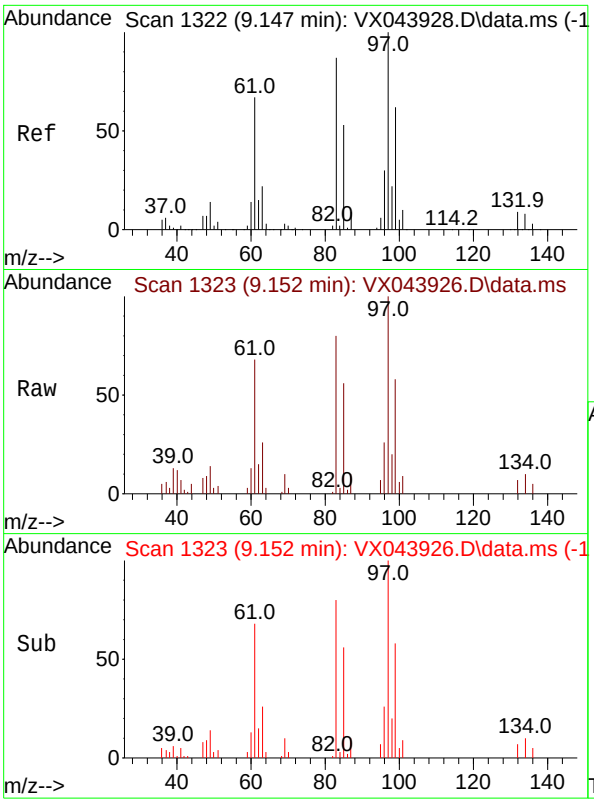


#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	60.0	43.1	64.7



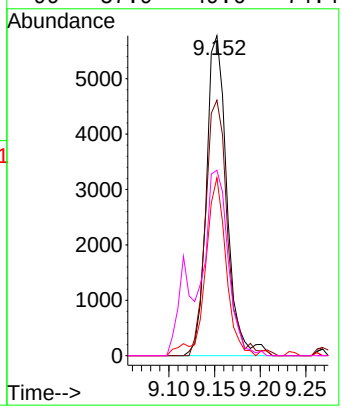


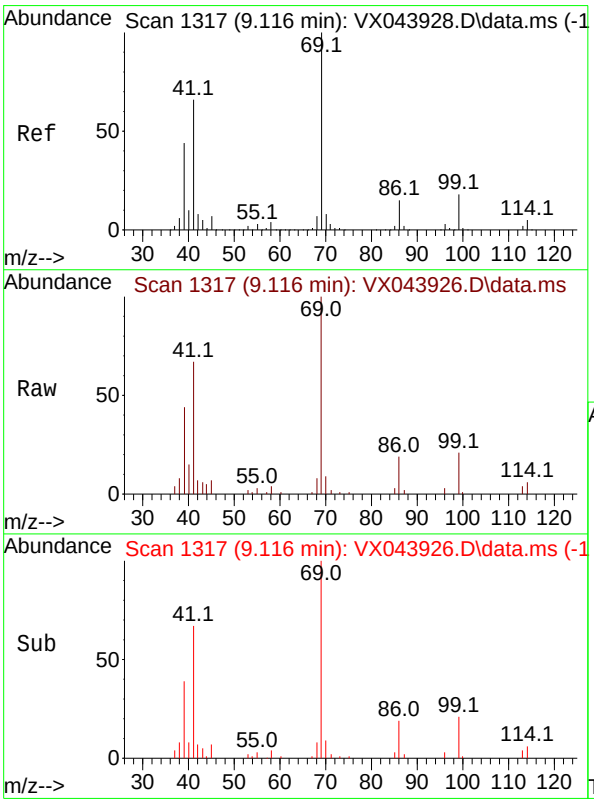
#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 9000

Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	55.6	42.3	63.5
99	57.9	49.6	74.4

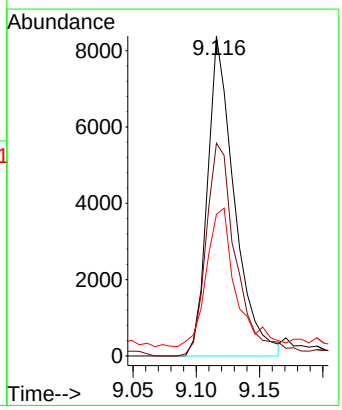


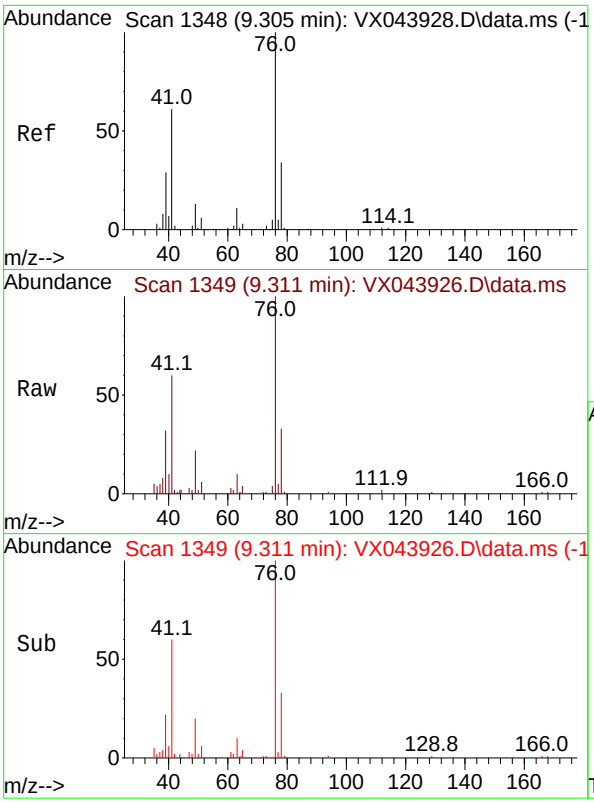


#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.8	83.8
39	46.7	36.7	55.1



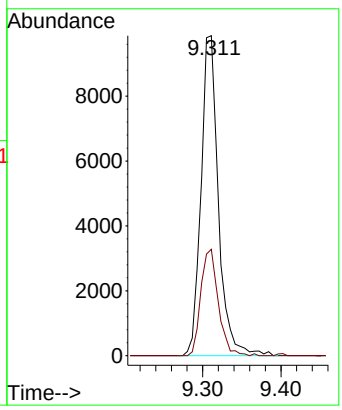


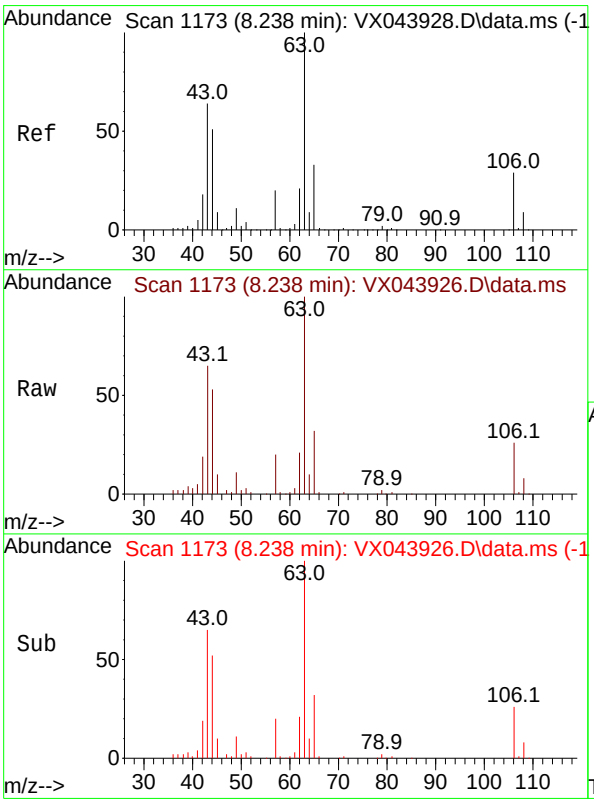
#57
1,3-Dichloropropane
Concen: 4.973 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 15211

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0

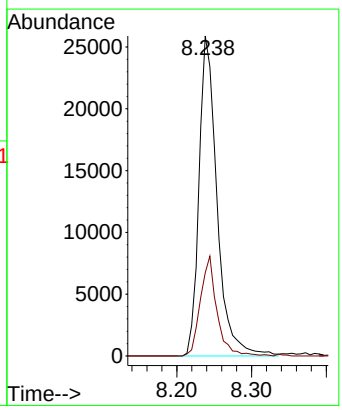


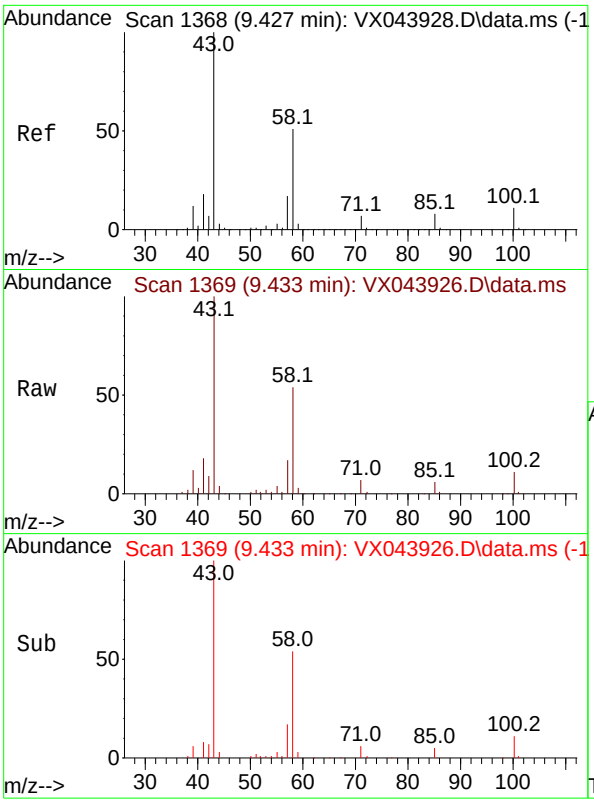


#58
2-Chloroethyl Vinyl ether
Concen: 27.673 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6



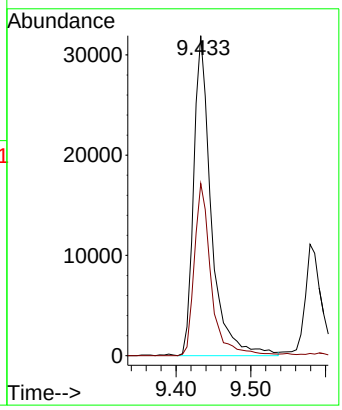


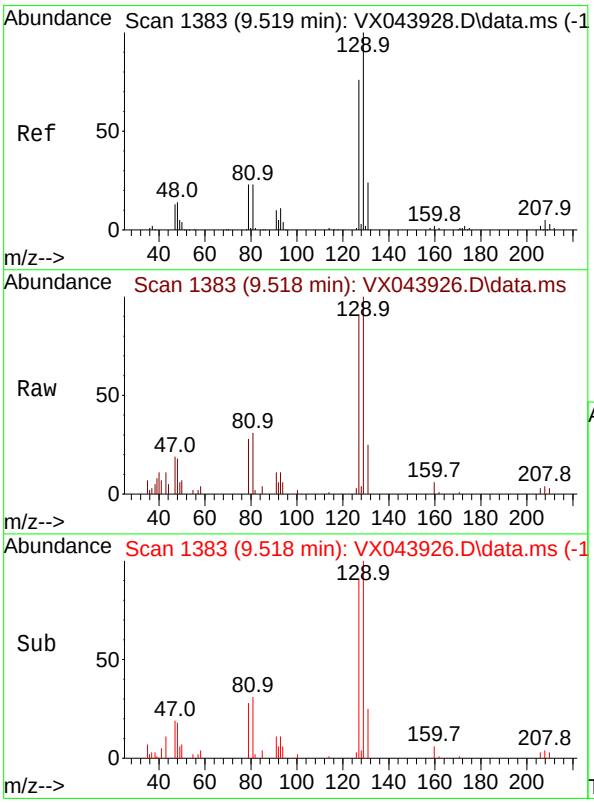
#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 52072

Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

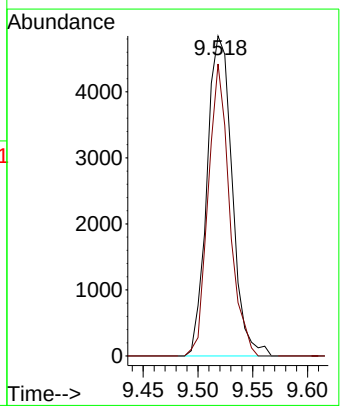


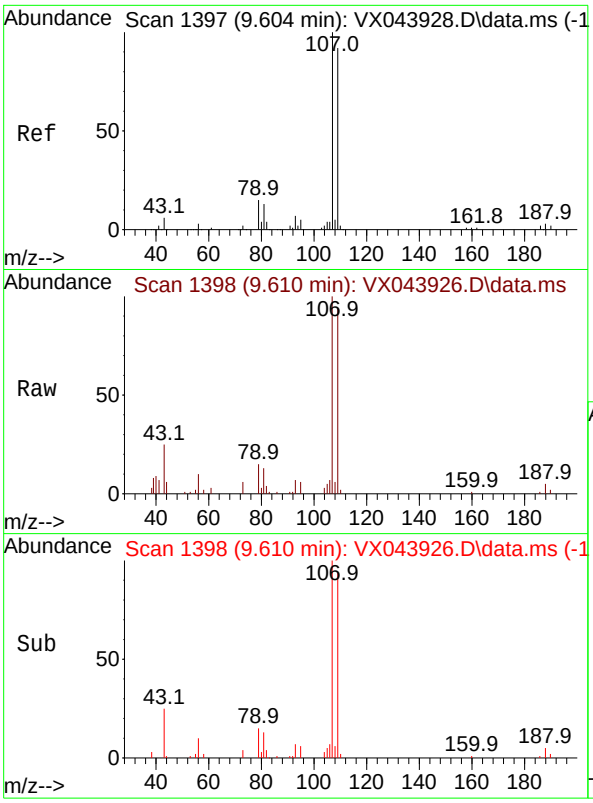


#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.2	114.6



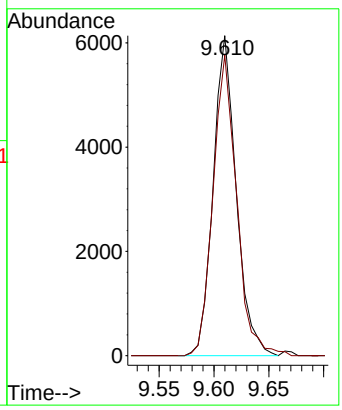


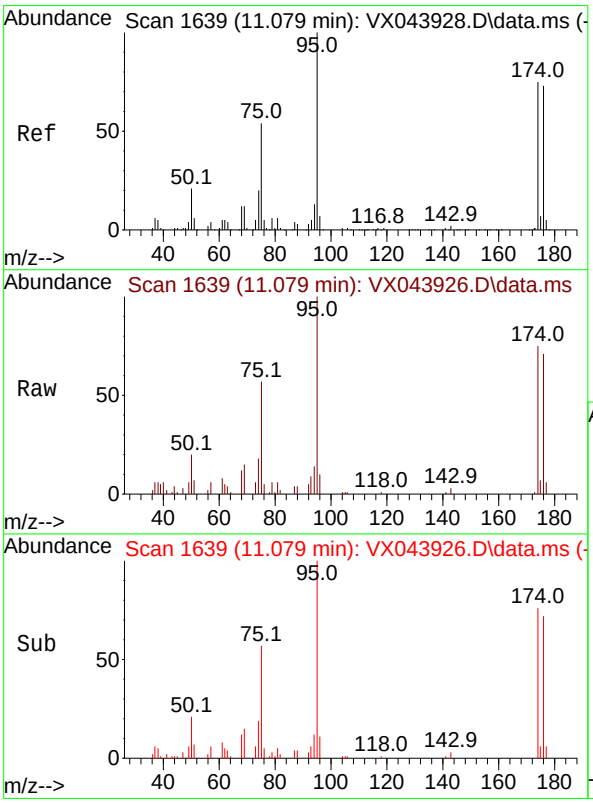
#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 8985

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.2	112.8

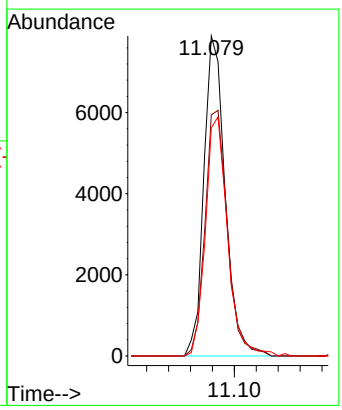


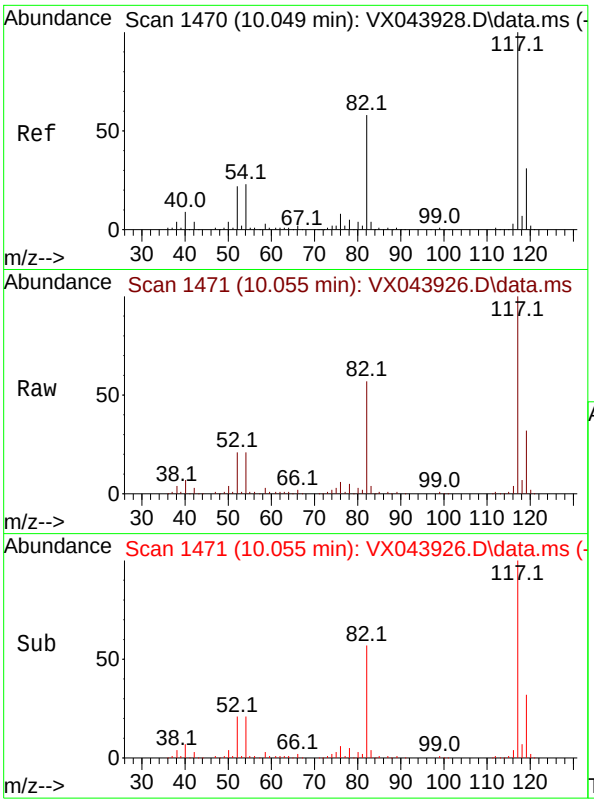


#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	150.4
176	77.6	0.0	146.0



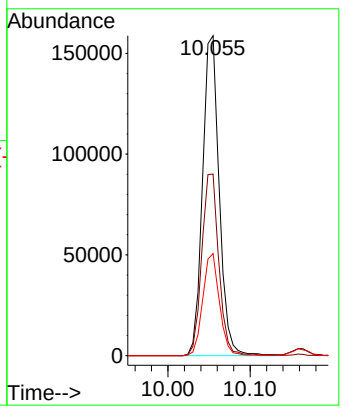


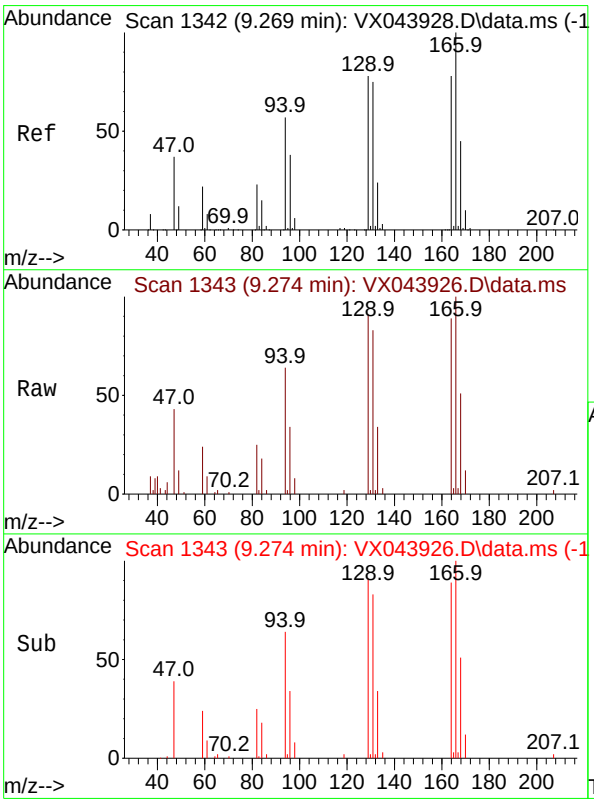
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 223514

Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.4	69.6
119	31.9	24.6	37.0

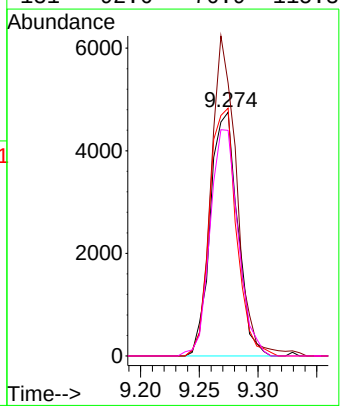


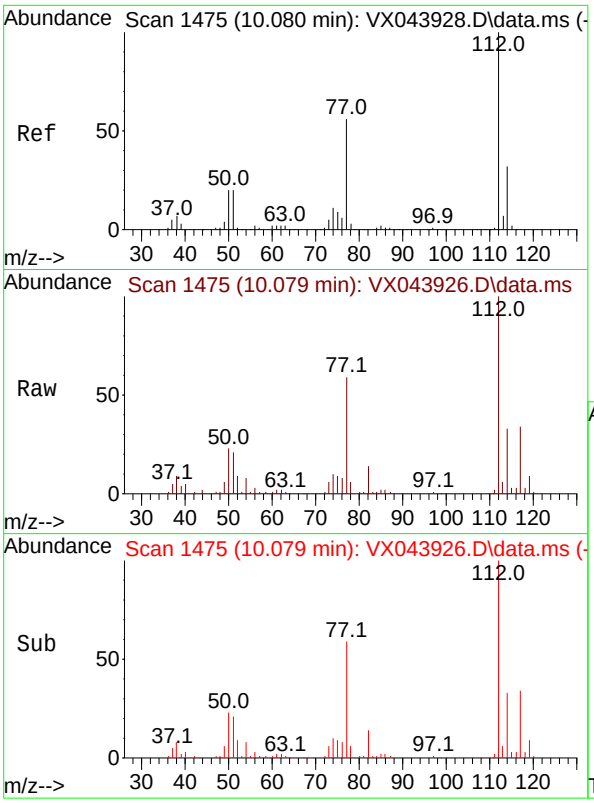


#64
Tetrachloroethene
Concen: 5.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

Ion	Ratio	Lower	Upper
164	100		
166	111.9	102.1	153.1
129	101.7	79.6	119.4
131	92.6	76.9	115.3



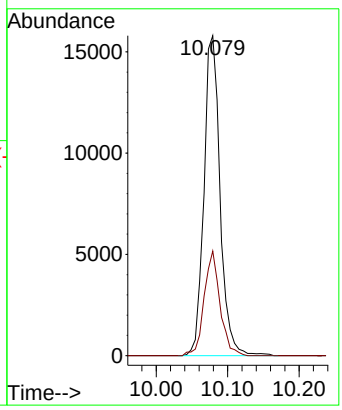


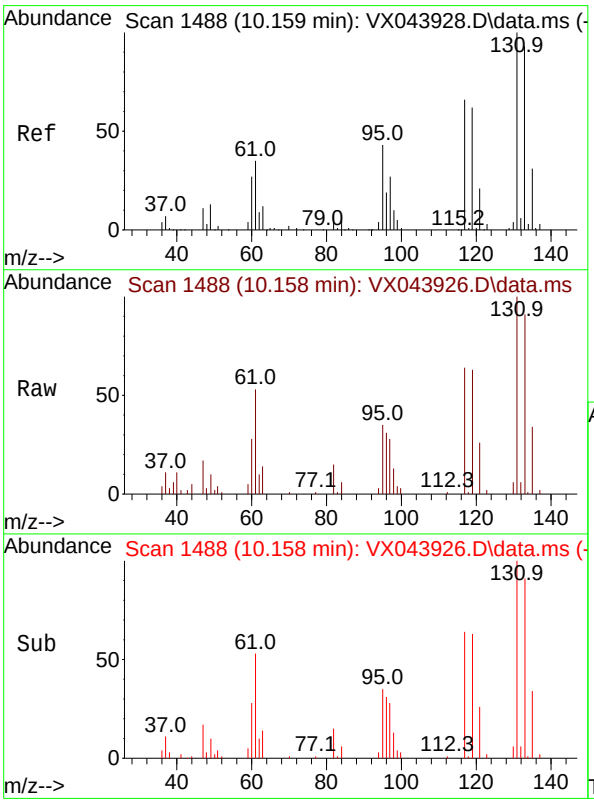
#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 24792

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0

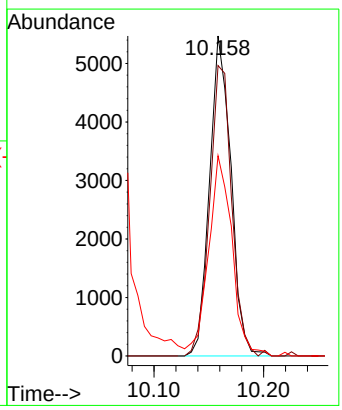


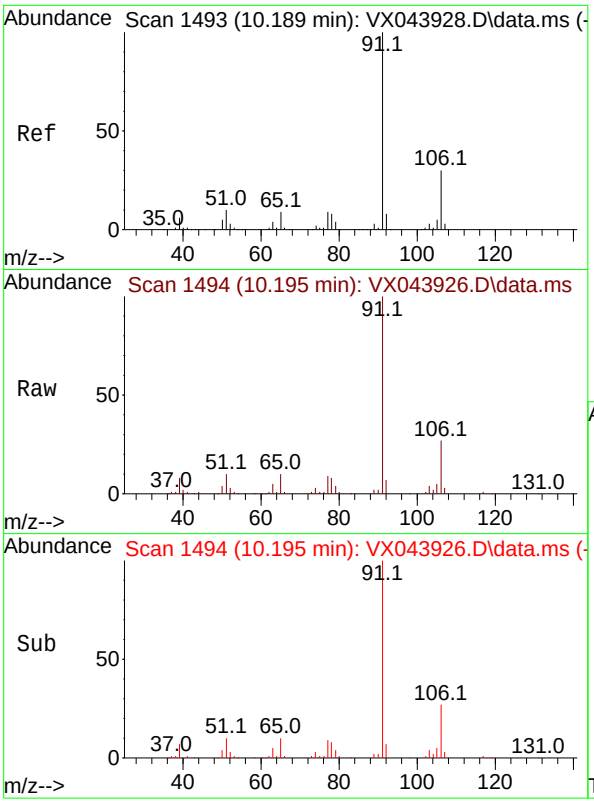


#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.2	144.6
119	68.3	31.5	94.5



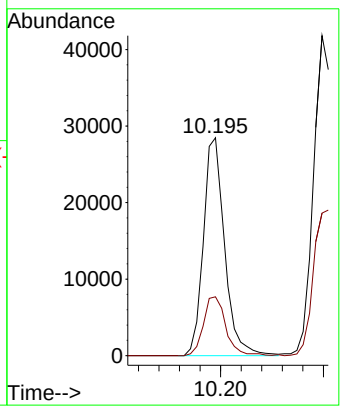


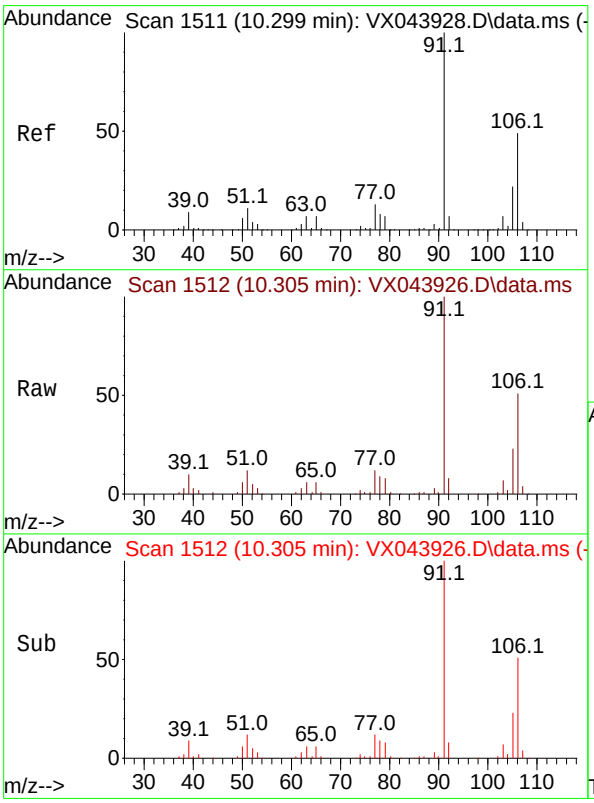
#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 40927

Ion	Ratio	Lower	Upper
91	100		
106	27.0	23.6	35.4

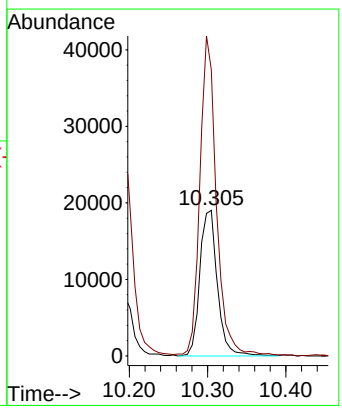


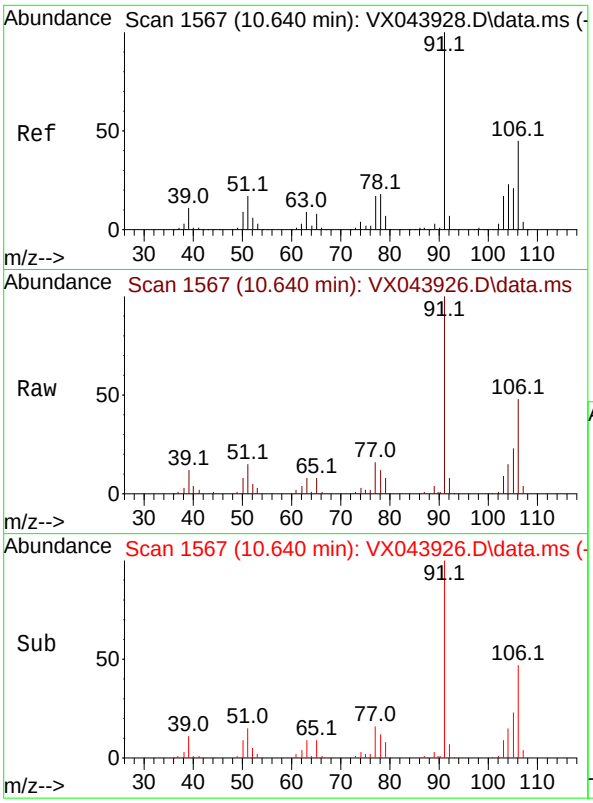


#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

Ion	Ratio	Lower	Upper
106	100		
91	208.0	168.1	252.1



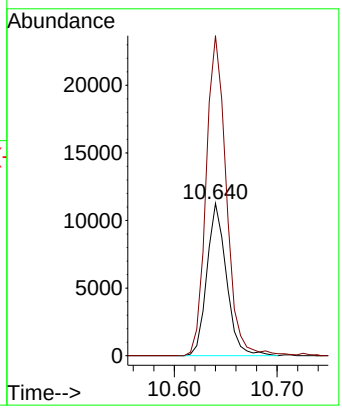


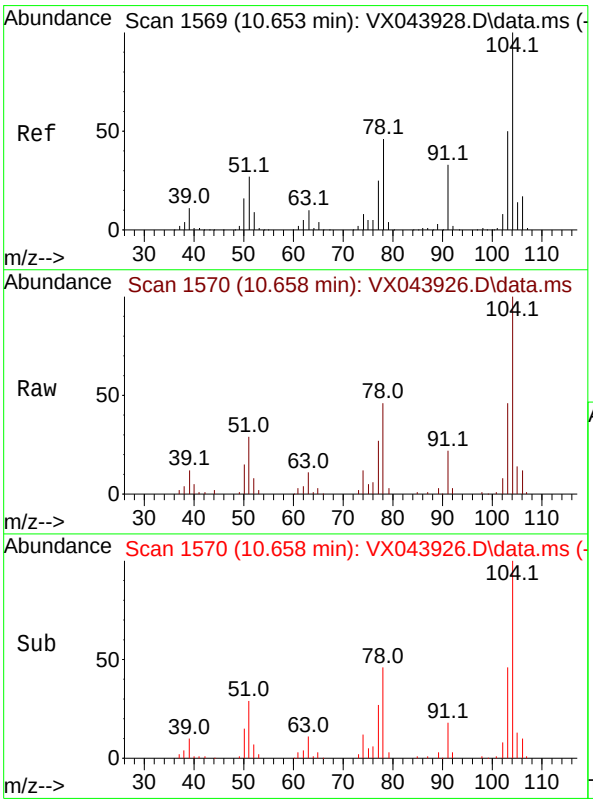
#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 14856

Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.2	330.6

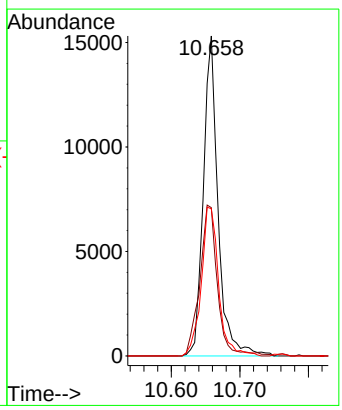


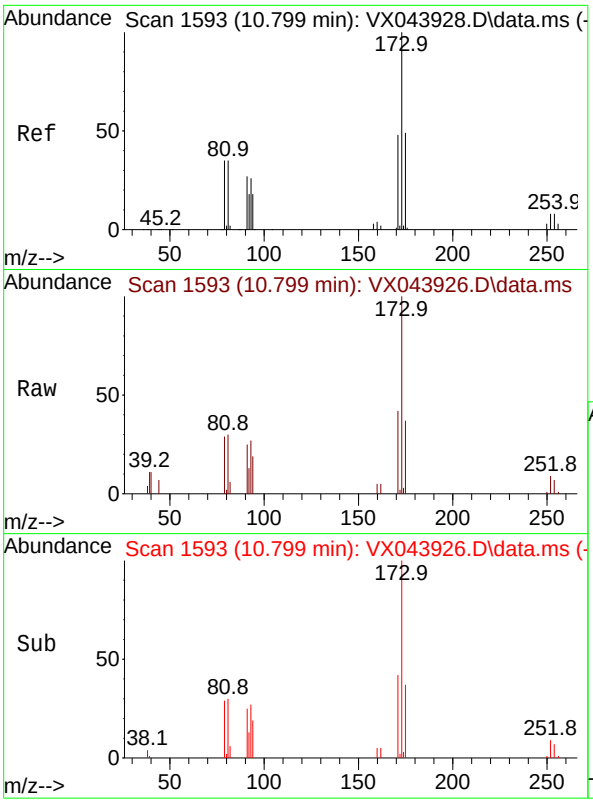


#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.2
103	54.8	44.7	67.1



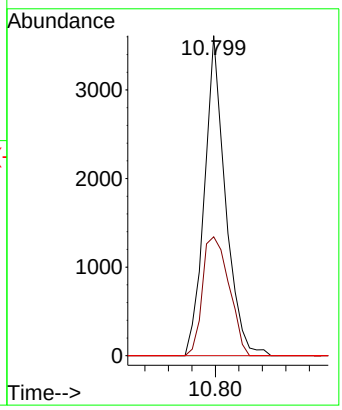


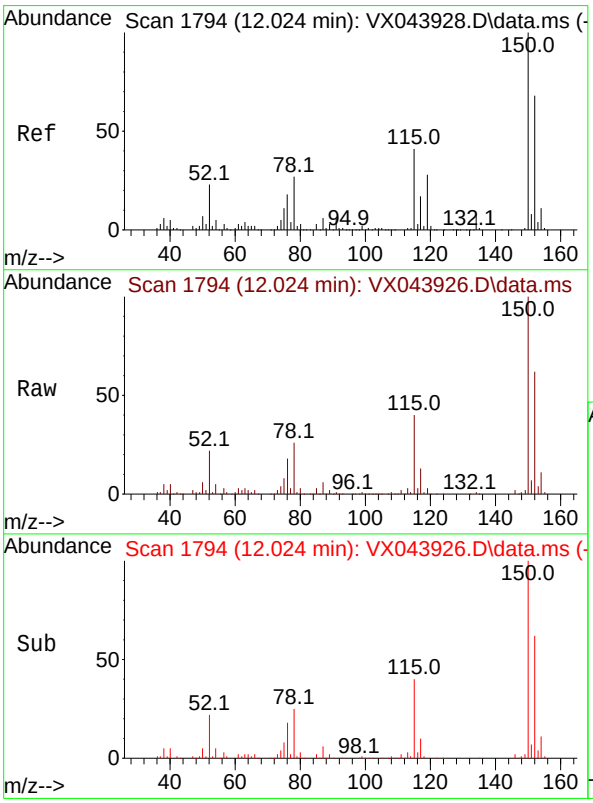
#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4476

Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.1	72.2
254	0.0	0.0	0.0

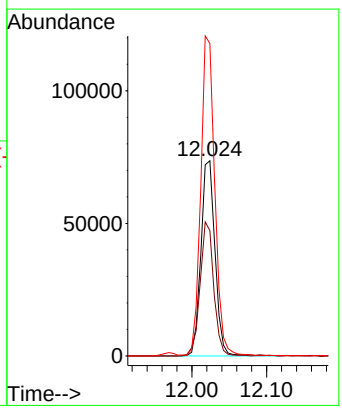


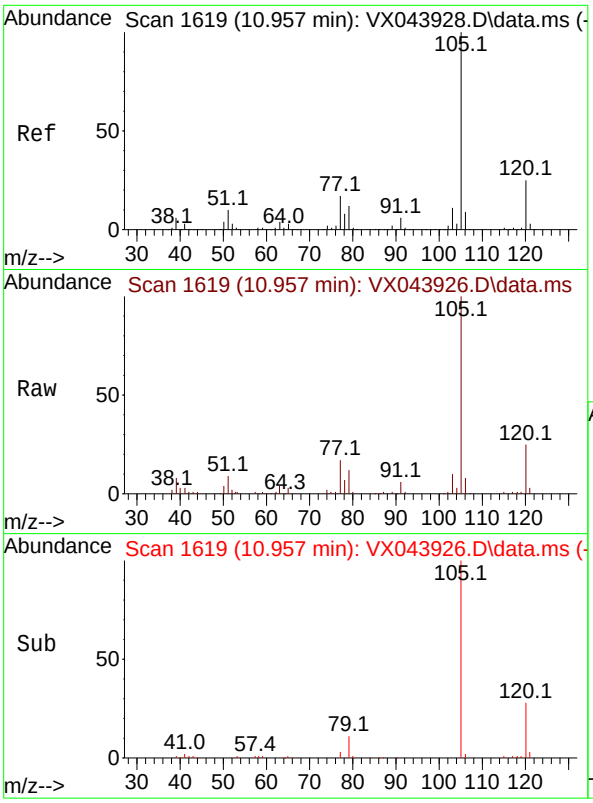


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

Ion	Ratio	Lower	Upper
152	100		
115	66.4	45.4	136.2
150	162.1	0.0	353.0



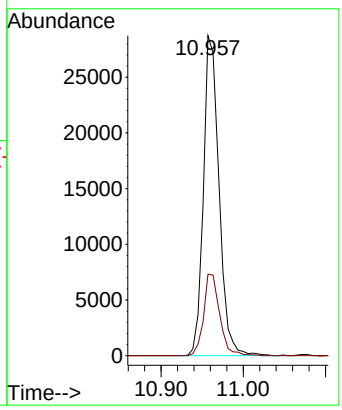


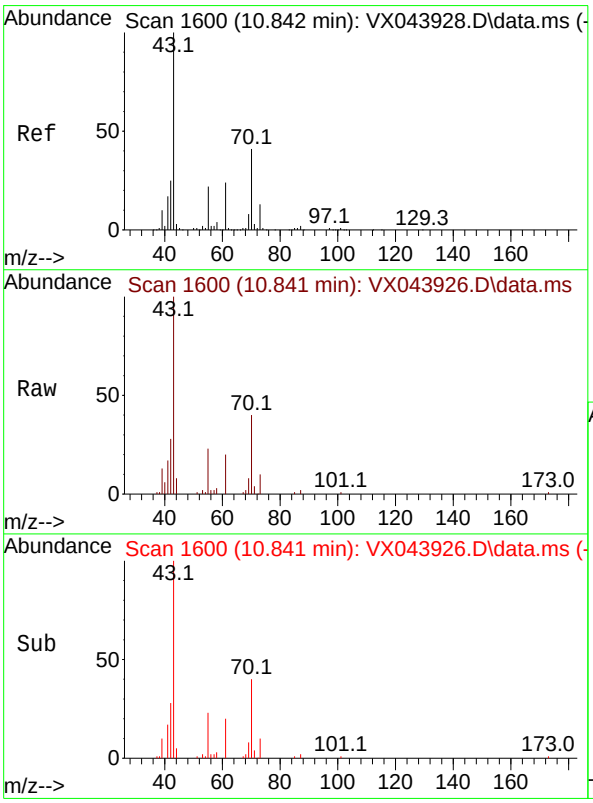
#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37958

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

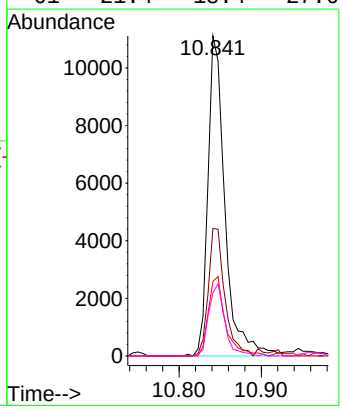


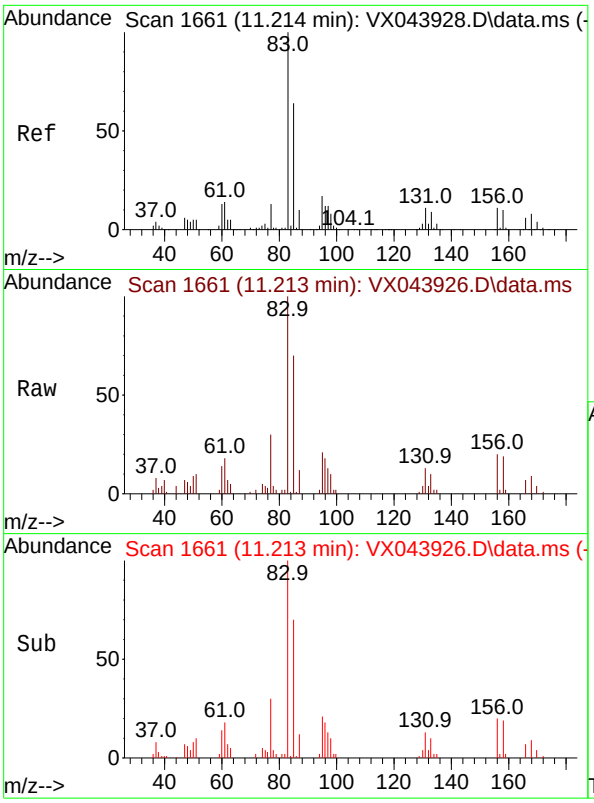


#74
N-amyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

Ion	Ratio	Lower	Upper
43	100		
70	38.5	32.2	48.2
55	24.8	18.1	27.1
61	21.4	18.4	27.6



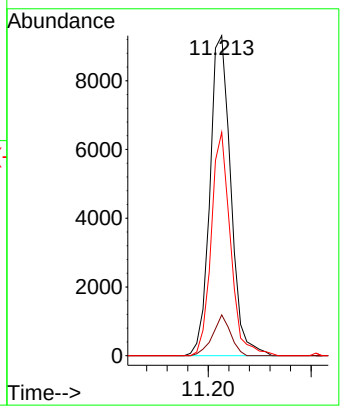


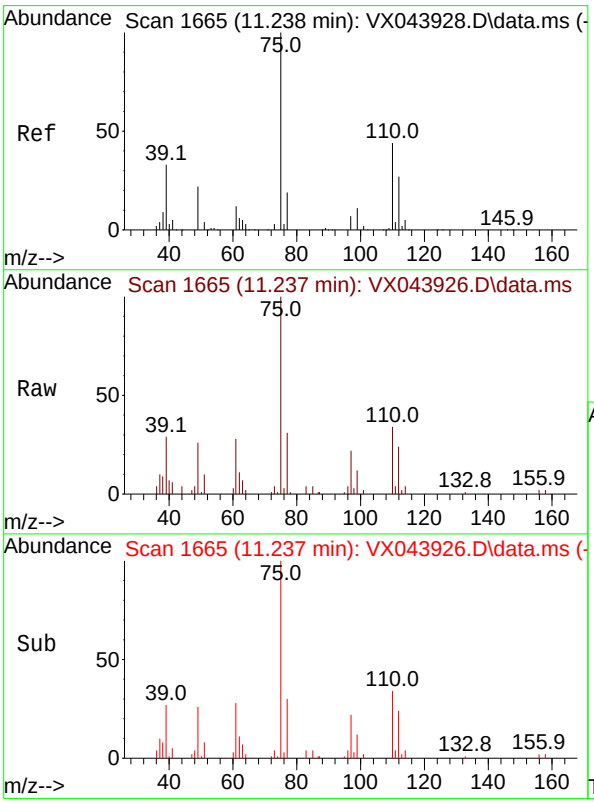
#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13107

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.2
85	64.3	32.2	96.6

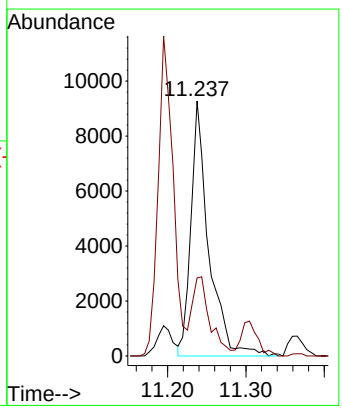


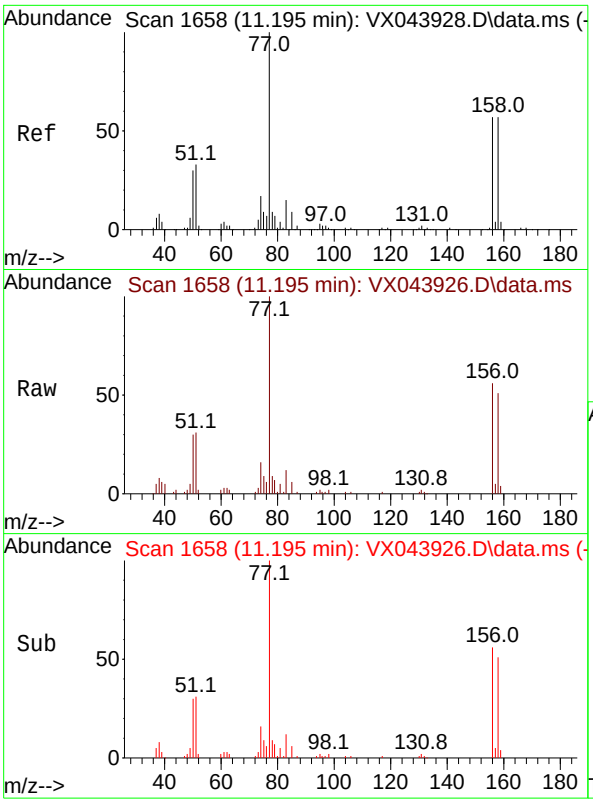


#76
1,2,3-Trichloropropane
Concen: 7.062 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 14721

Ion	Ratio	Lower	Upper
75	100		
77	30.5	21.8	65.3



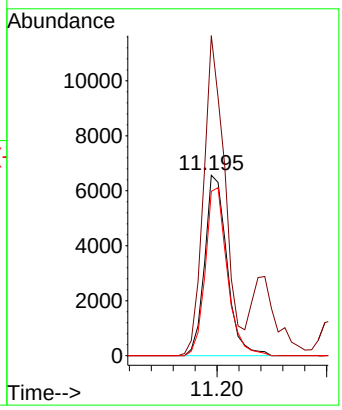


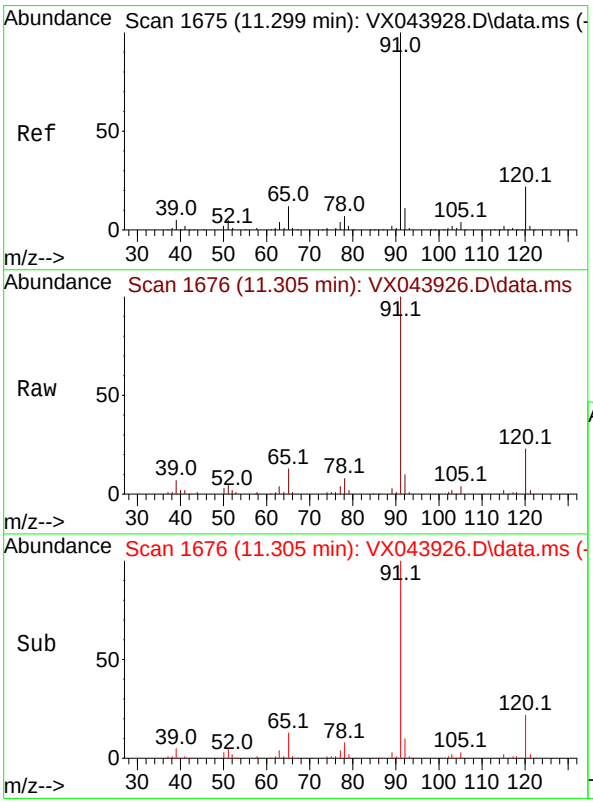
#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 9259

Ion	Ratio	Lower	Upper
156	100		
77	169.5	83.4	250.1
158	91.6	47.6	142.8

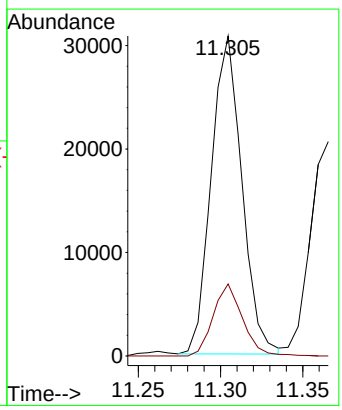


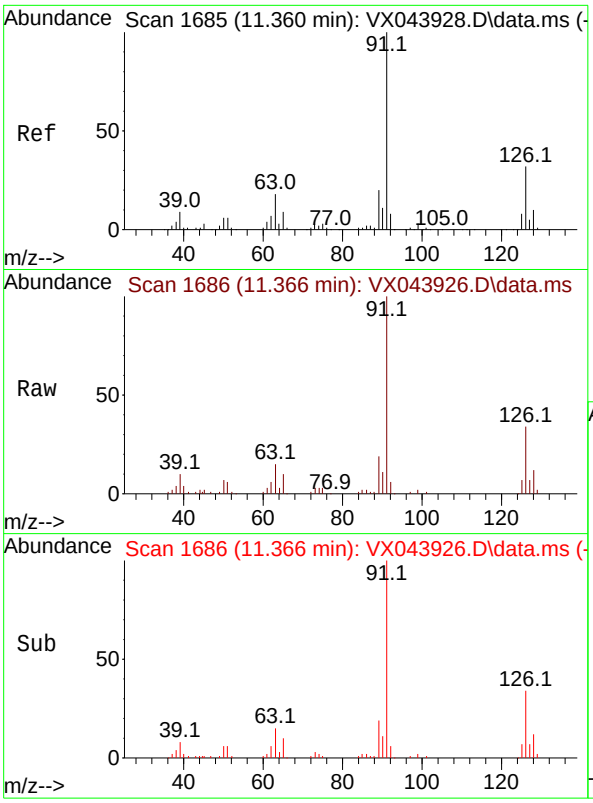


#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.4



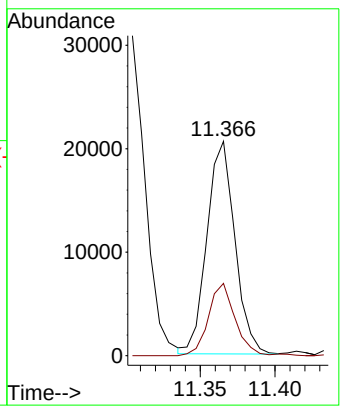


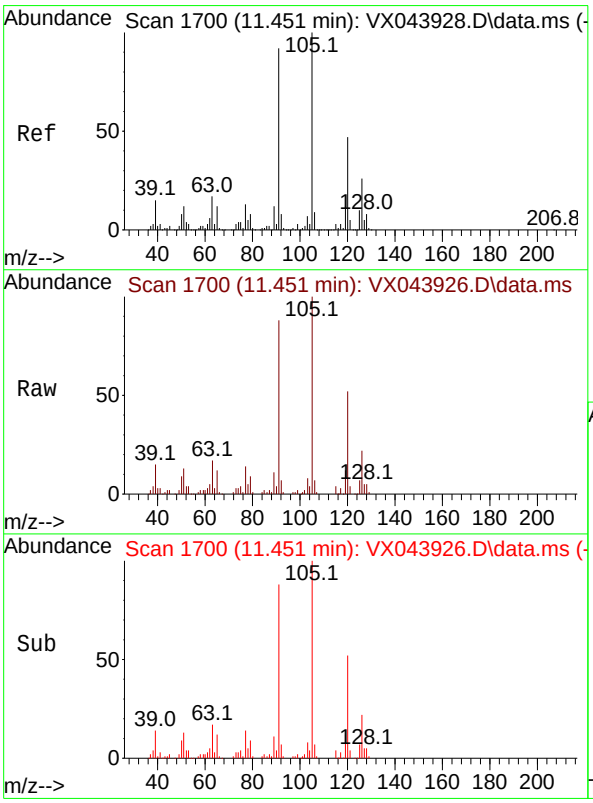
#79
2-Chlorotoluene
Concen: 5.096 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 26740

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.8

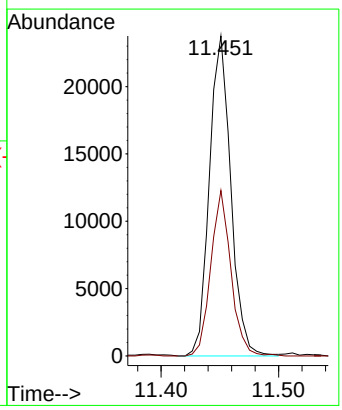


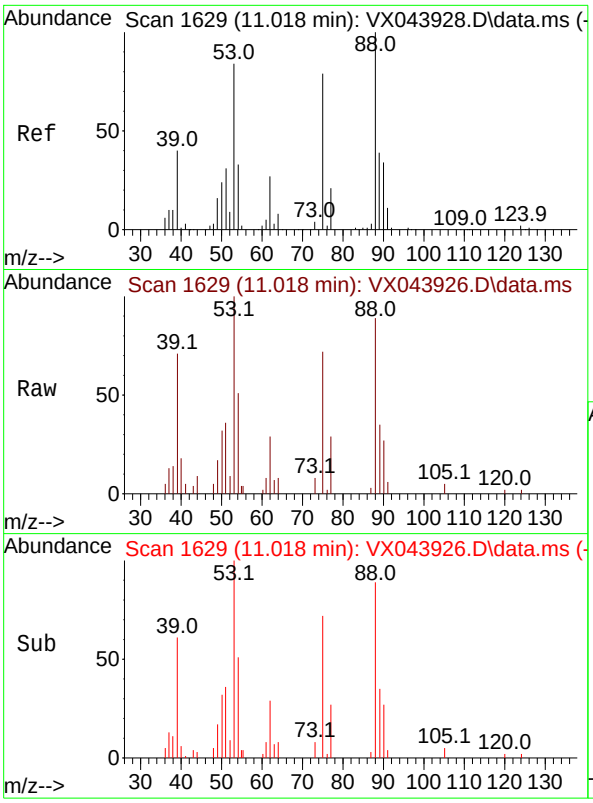


#80
1,3,5-Trimethylbenzene
Concen: 4.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.3	69.8



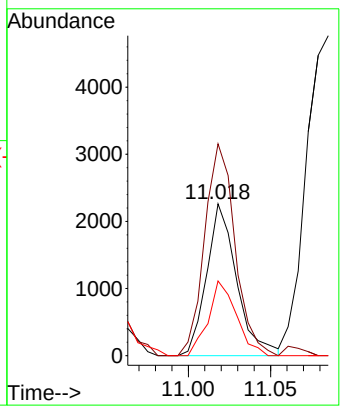


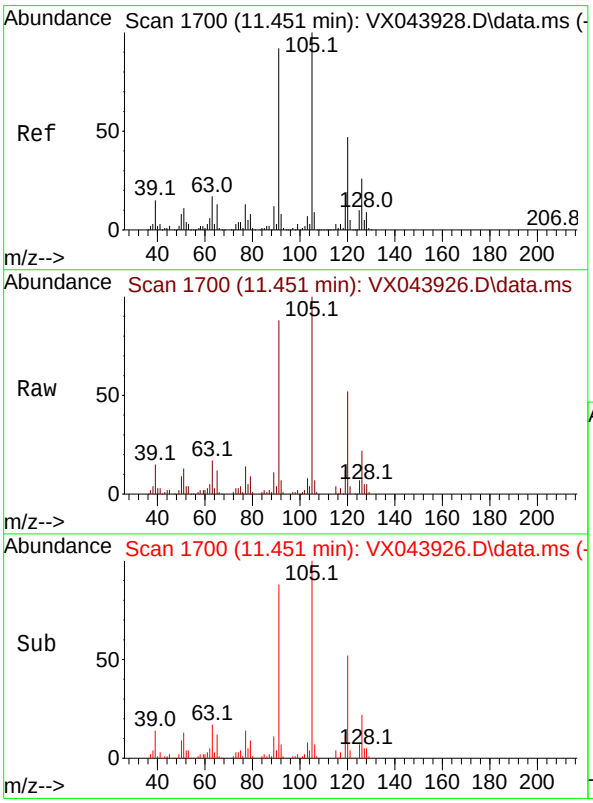
#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2880

Ion	Ratio	Lower	Upper
75	100		
53	141.1	86.7	130.1#
89	45.9	38.2	57.2

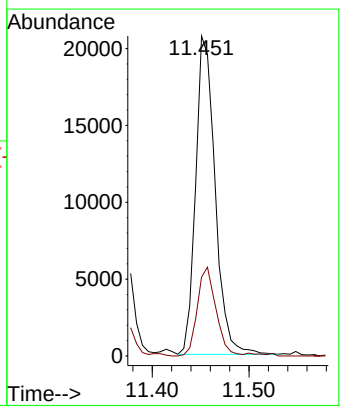


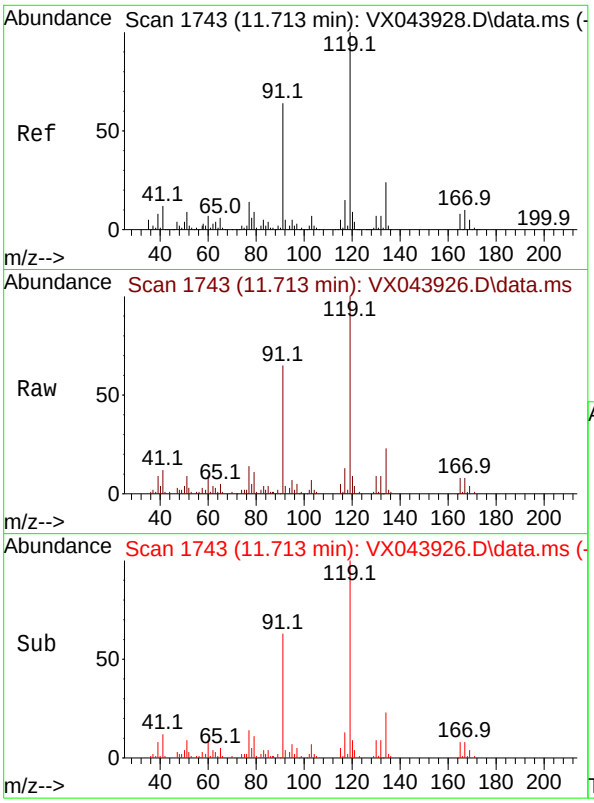


#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

Ion	Ratio	Lower	Upper
91	100		
126	26.7	14.3	42.9



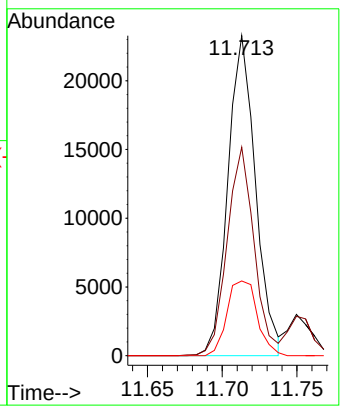


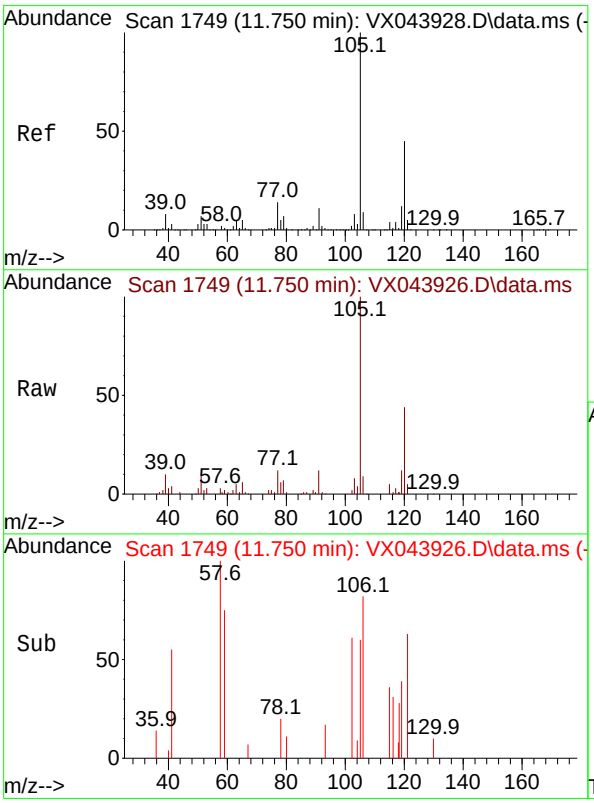
#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 29934

Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.0	93.0
134	25.6	11.6	34.8

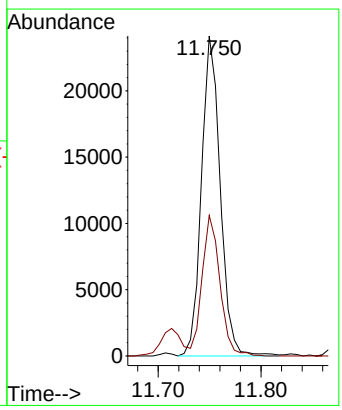


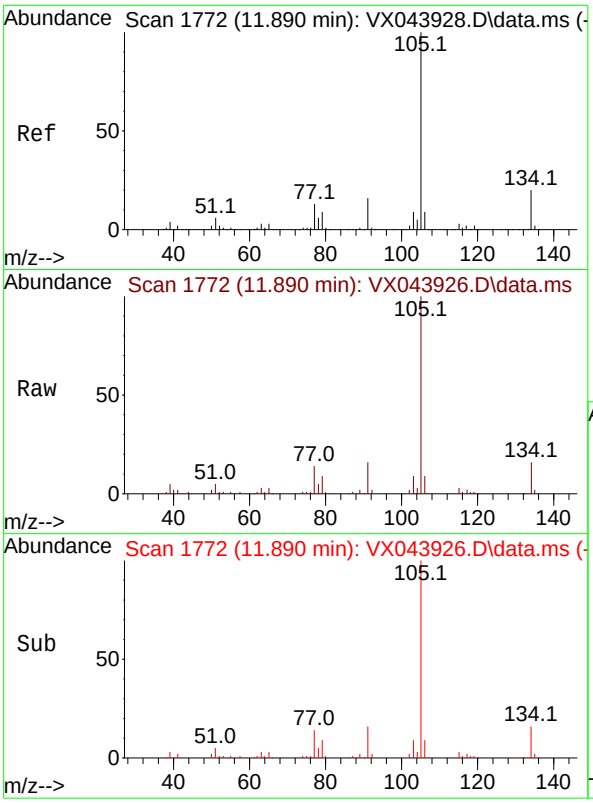


#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

Ion	Ratio	Lower	Upper
105	100		
120	41.6	21.9	65.7



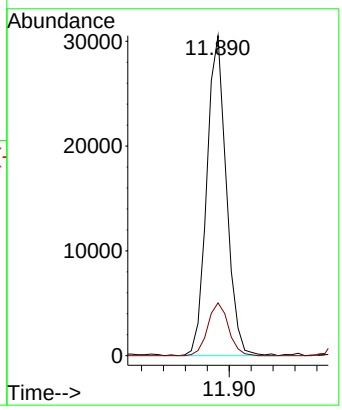


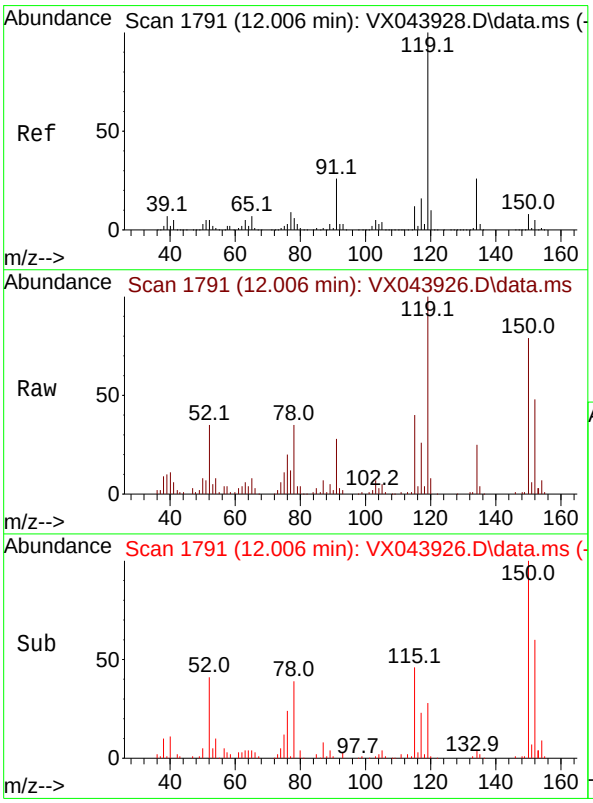
#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37899

Ion	Ratio	Lower	Upper
105	100		
134	17.5	9.7	29.1

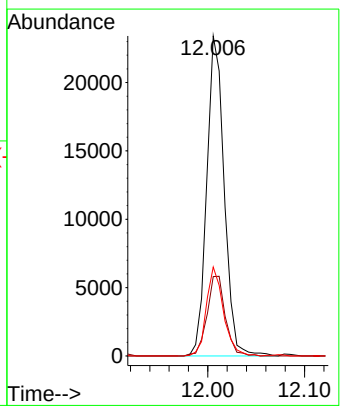


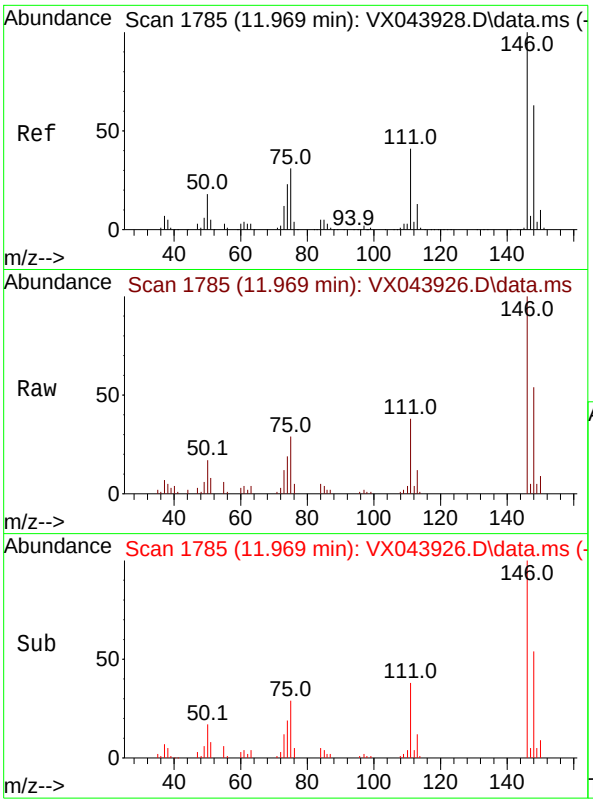


#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	27.3	13.0	38.9



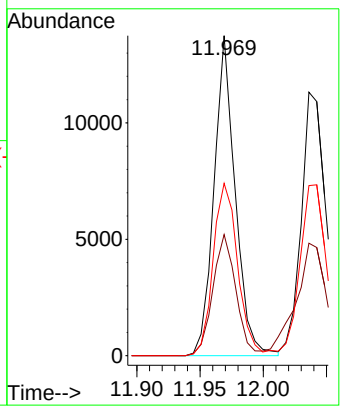


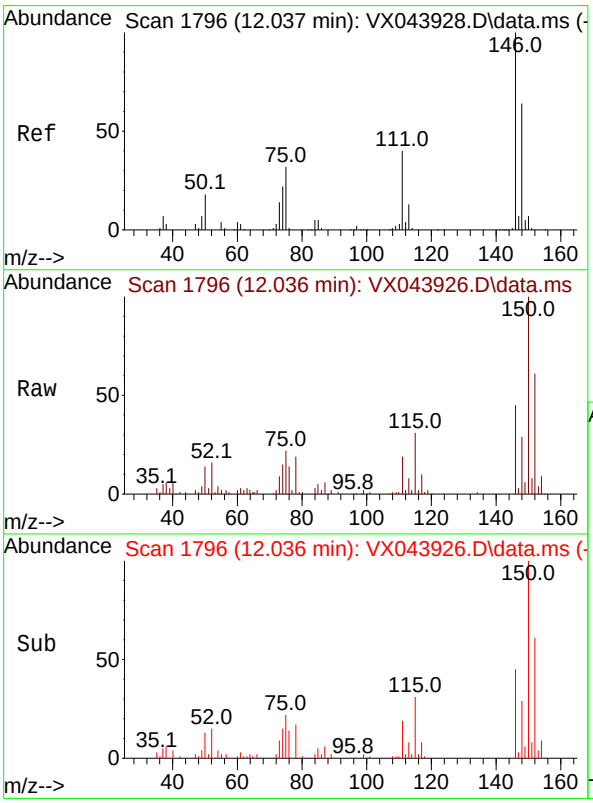
#87
1,3-Dichlorobenzene
Concen: 4.959 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16008

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	62.9	31.7	95.1

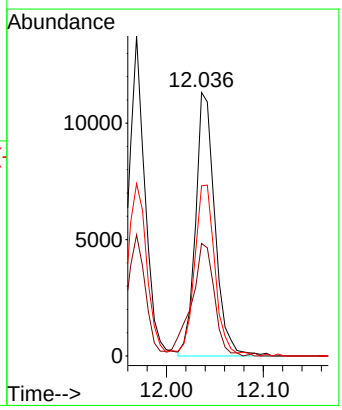


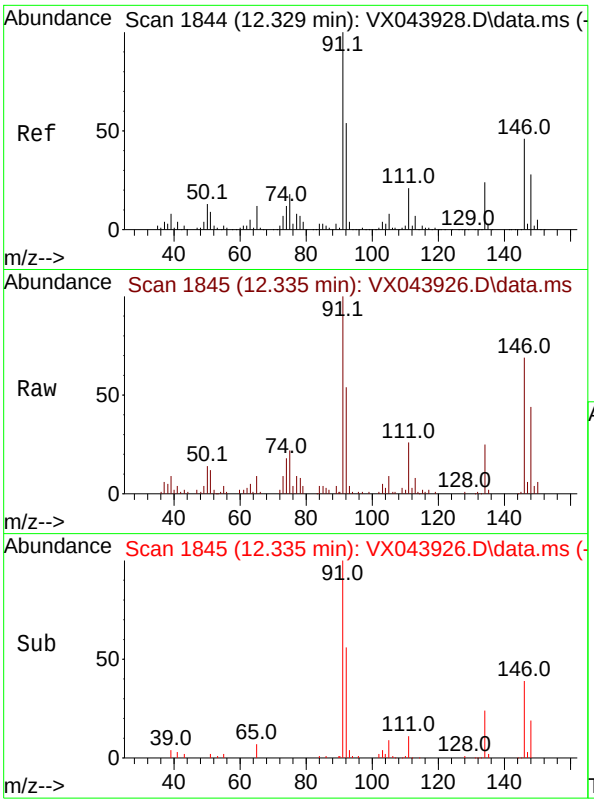


#88
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

Ion	Ratio	Lower	Upper
146	100		
111	50.2	20.1	60.3
148	67.9	30.9	92.8



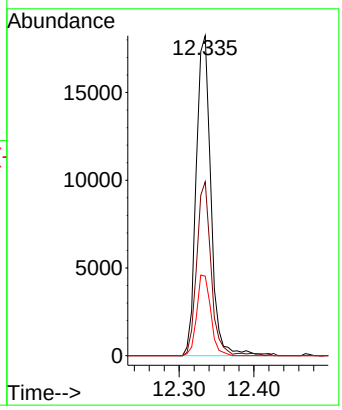


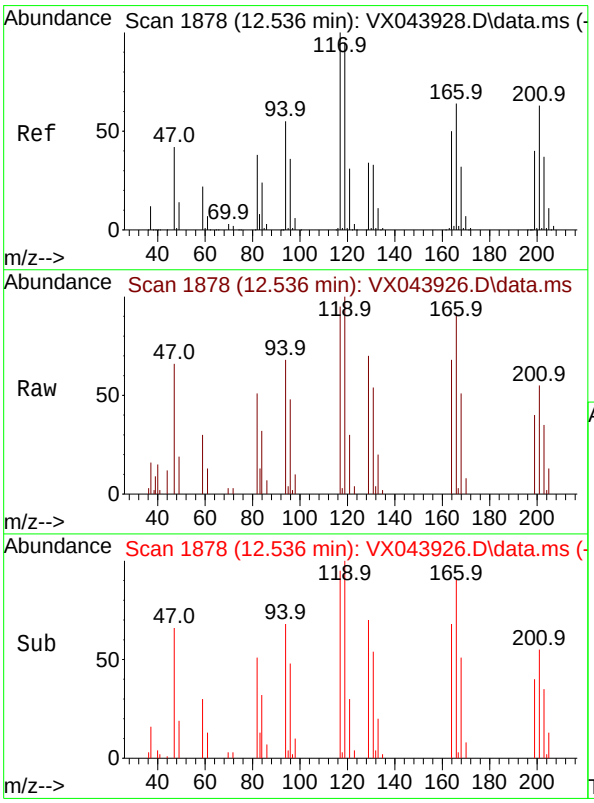
#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 24938

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.8
134	23.9	12.4	37.2

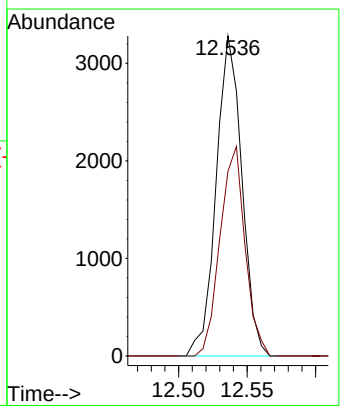


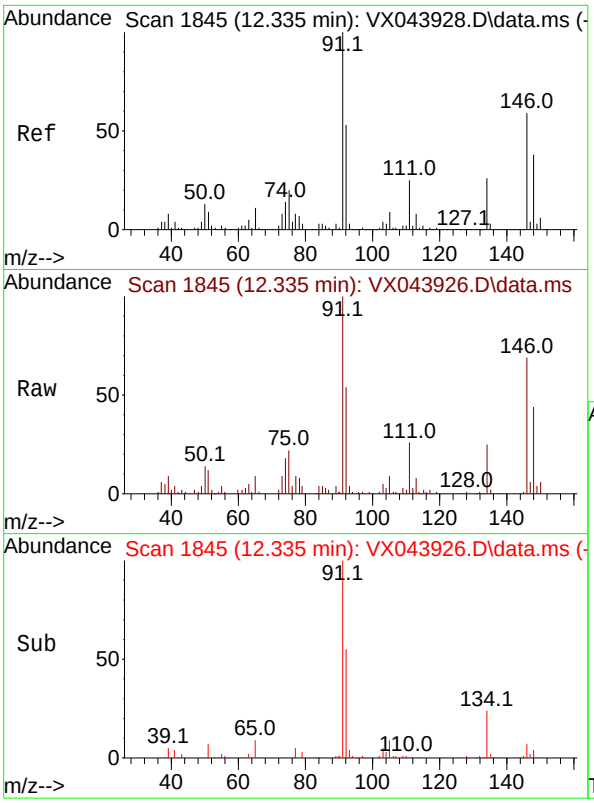


#90
Hexachloroethane
Concen: 4.173 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.4	97.0



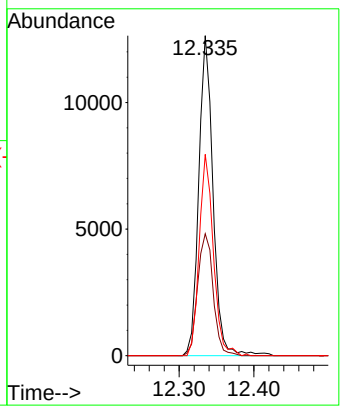


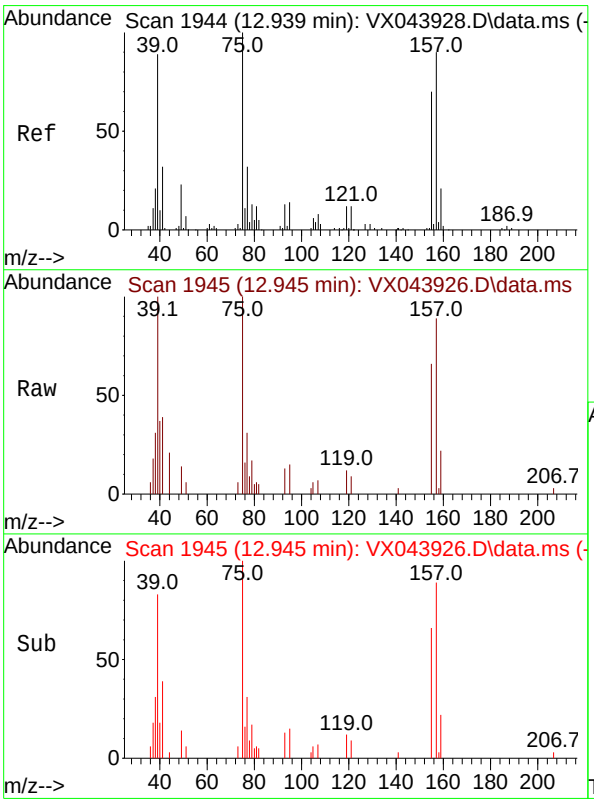
#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16747

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	62.4	31.9	95.5

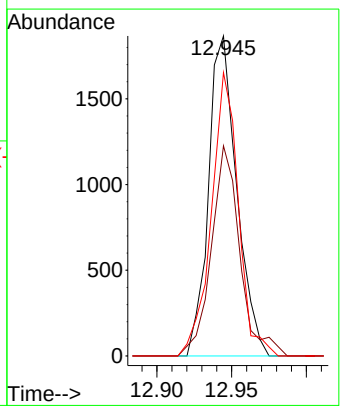


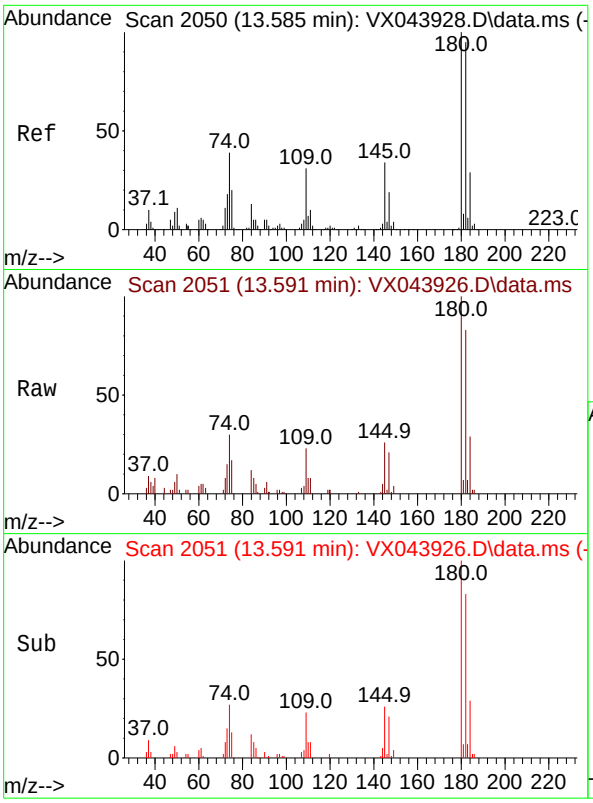


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

Ion	Ratio	Lower	Upper
75	100		
155	66.2	40.1	120.2
157	84.5	49.6	149.0



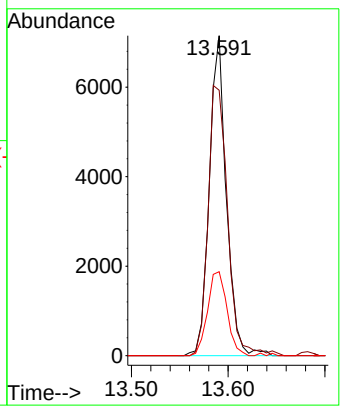


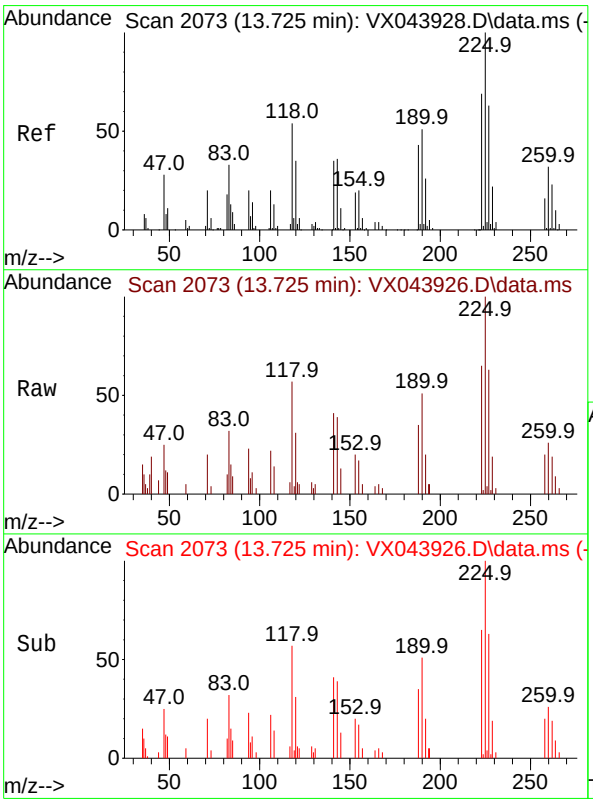
#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 8746

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.0	16.8	50.4

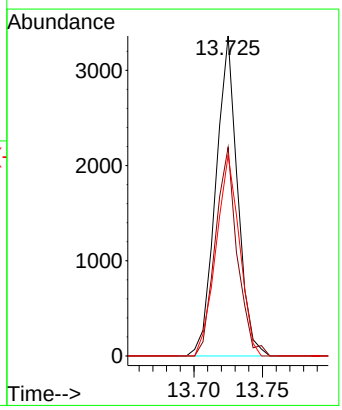


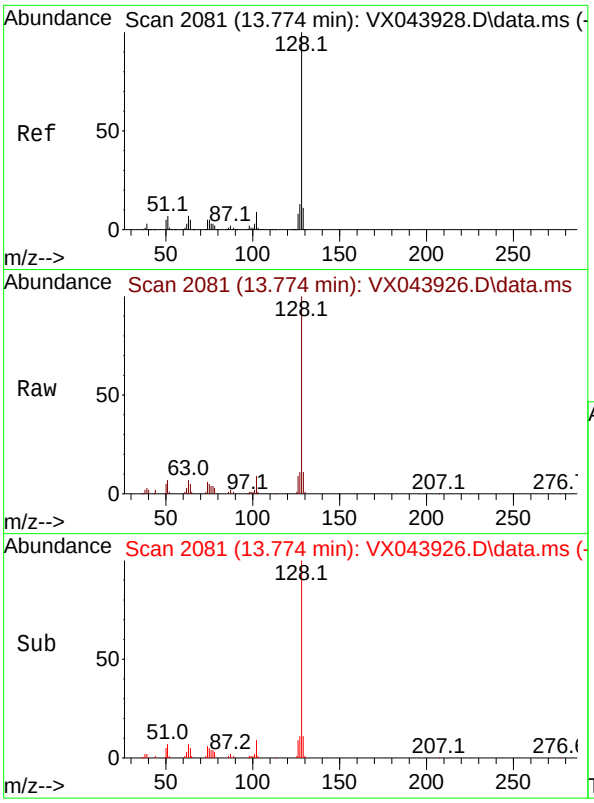


#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.9	98.6
227	67.5	31.6	94.8



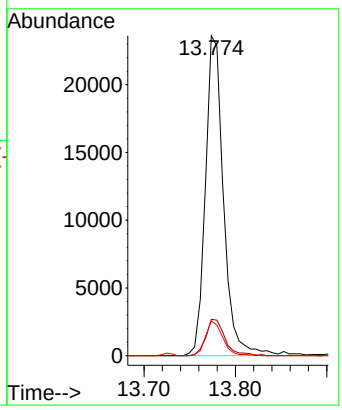


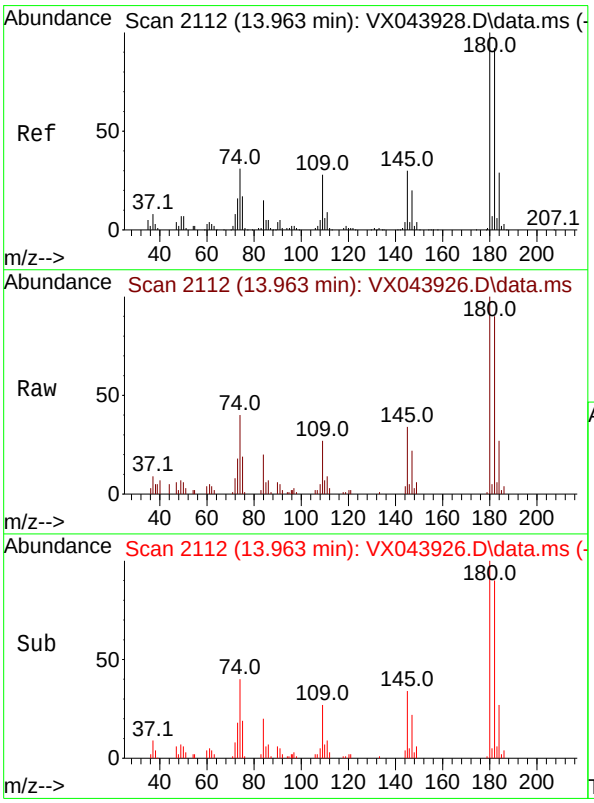
#95
Naphthalene
Concen: 4.698 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 32485

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	10.4	8.6	12.8

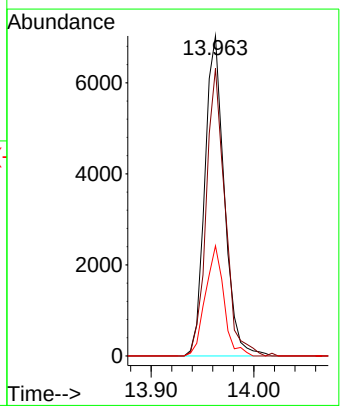




#96
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 9280

Ion	Ratio	Lower	Upper
180	100		
182	86.7	45.6	136.8
145	32.7	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48239	20.437	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.880%#		
35) Dibromofluoromethane	5.385	113	35015	19.772	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.540%#		
50) Toluene-d8	8.647	98	122646	20.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.180%#		
62) 4-Bromofluorobenzene	11.079	95	41087	19.776	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.560%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	20.230	ug/l	99
3) Chloromethane	1.295	50	39622	21.597	ug/l	93
4) Vinyl Chloride	1.374	62	40173	20.587	ug/l	95
5) Bromomethane	1.593	94	24112	20.086	ug/l	98
6) Chloroethane	1.666	64	22213	18.682	ug/l	99
7) Trichlorofluoromethane	1.868	101	73464	21.058	ug/l	99
8) Diethyl Ether	2.136	74	25875	20.349	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	20.001	ug/l	98
10) Methyl Iodide	2.441	142	43047	20.712	ug/l	99
11) Tert butyl alcohol	3.002	59	36554	96.484	ug/l	99
12) 1,1-Dichloroethene	2.307	96	32180	20.293	ug/l	96
13) Acrolein	2.240	56	35249	88.269	ug/l	98
14) Allyl chloride	2.660	41	53053	20.475	ug/l	96
15) Acrylonitrile	3.069	53	94417	102.265	ug/l	100
16) Acetone	2.386	43	110373	101.811	ug/l	95
17) Carbon Disulfide	2.502	76	59349	18.144	ug/l	98
18) Methyl Acetate	2.709	43	50136	19.859	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	121776	21.150	ug/l	98
20) Methylene Chloride	2.788	84	37633	20.456	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	33545	20.489	ug/l	96
22) Diisopropyl ether	3.764	45	119475	21.564	ug/l	96
23) Vinyl Acetate	3.721	43	504408	106.423	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	21.034	ug/l	99
25) 2-Butanone	4.568	43	148152	105.912	ug/l	99
26) 2,2-Dichloropropane	4.471	77	58444	20.246	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	41866	20.688	ug/l	98
28) Bromochloromethane	4.891	49	26507	18.840	ug/l	98
29) Tetrahydrofuran	5.013	42	87736	102.308	ug/l	100
30) Chloroform	5.087	83	72049	20.958	ug/l	97
31) Cyclohexane	5.458	56	53731	20.425	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	62394	21.046	ug/l	99
36) 1,1-Dichloropropene	5.684	75	44465	20.149	ug/l	99
37) Ethyl Acetate	4.715	43	54426	19.868	ug/l	99
38) Carbon Tetrachloride	5.672	117	48701	19.640	ug/l	98
39) Methylcyclohexane	7.379	83	55958	19.518	ug/l	95
40) Benzene	6.025	78	144401	21.006	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	28938	20.639	ug/l		95
42) 1,2-Dichloroethane	6.086	62	57981	21.001	ug/l		99
43) Isopropyl Acetate	6.349	43	88577	20.318	ug/l		100
44) Trichloroethene	7.117	130	36440	18.726	ug/l		87
45) 1,2-Dichloropropane	7.428	63	35791	21.258	ug/l		95
46) Dibromomethane	7.580	93	27799	20.873	ug/l		98
47) Bromodichloromethane	7.818	83	49665	20.792	ug/l		97
48) Methyl methacrylate	7.690	41	41962	20.059	ug/l		98
49) 1,4-Dioxane	7.665	88	12071	334.681	ug/l	#	77
51) 4-Methyl-2-Pentanone	8.574	43	278479	104.673	ug/l		100
52) Toluene	8.714	92	87569	21.284	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	50294	20.648	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	56407	21.124	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	37148	21.872	ug/l		95
56) Ethyl methacrylate	9.116	69	56585	21.390	ug/l		99
57) 1,3-Dichloropropane	9.305	76	61420	21.468	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	93.712	ug/l		97
59) 2-Hexanone	9.433	43	213629	106.832	ug/l		100
60) Dibromochloromethane	9.519	129	34133	20.030	ug/l		99
61) 1,2-Dibromoethane	9.610	107	36985	21.536	ug/l		99
64) Tetrachloroethene	9.269	164	29274	20.377	ug/l		98
65) Chlorobenzene	10.080	112	96469	20.160	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	20.848	ug/l		99
67) Ethyl Benzene	10.189	91	166435	20.527	ug/l		99
68) m/p-Xylenes	10.299	106	122658	40.565	ug/l		99
69) o-Xylene	10.640	106	60254	20.409	ug/l		94
70) Styrene	10.653	104	102329	20.956	ug/l		99
71) Bromoform	10.799	173	19329	17.792	ug/l	#	96
73) Isopropylbenzene	10.964	105	157405	20.794	ug/l		99
74) N-amyl acetate	10.842	43	73525	20.967	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	20.894	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	58738	27.659	ug/l		82
77) Bromobenzene	11.195	156	37631	20.839	ug/l		99
78) n-propylbenzene	11.305	91	176034	20.821	ug/l		98
79) 2-Chlorotoluene	11.360	91	112986	21.134	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	21.202	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	18.629	ug/l		93
82) 4-Chlorotoluene	11.451	91	125521	20.797	ug/l		99
83) tert-Butylbenzene	11.713	119	128636	20.839	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	132595	21.385	ug/l		99
85) sec-Butylbenzene	11.890	105	156312	20.668	ug/l		99
86) p-Isopropyltoluene	12.006	119	130605	21.260	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.372	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.118	ug/l		96
89) n-Butylbenzene	12.329	91	110491	20.399	ug/l		99
90) Hexachloroethane	12.536	117	19547	18.712	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	67852	20.443	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	19.137	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.862	ug/l		98
94) Hexachlorobutadiene	13.725	225	14818	19.160	ug/l		96
95) Naphthalene	13.774	128	145678	20.681	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.981	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

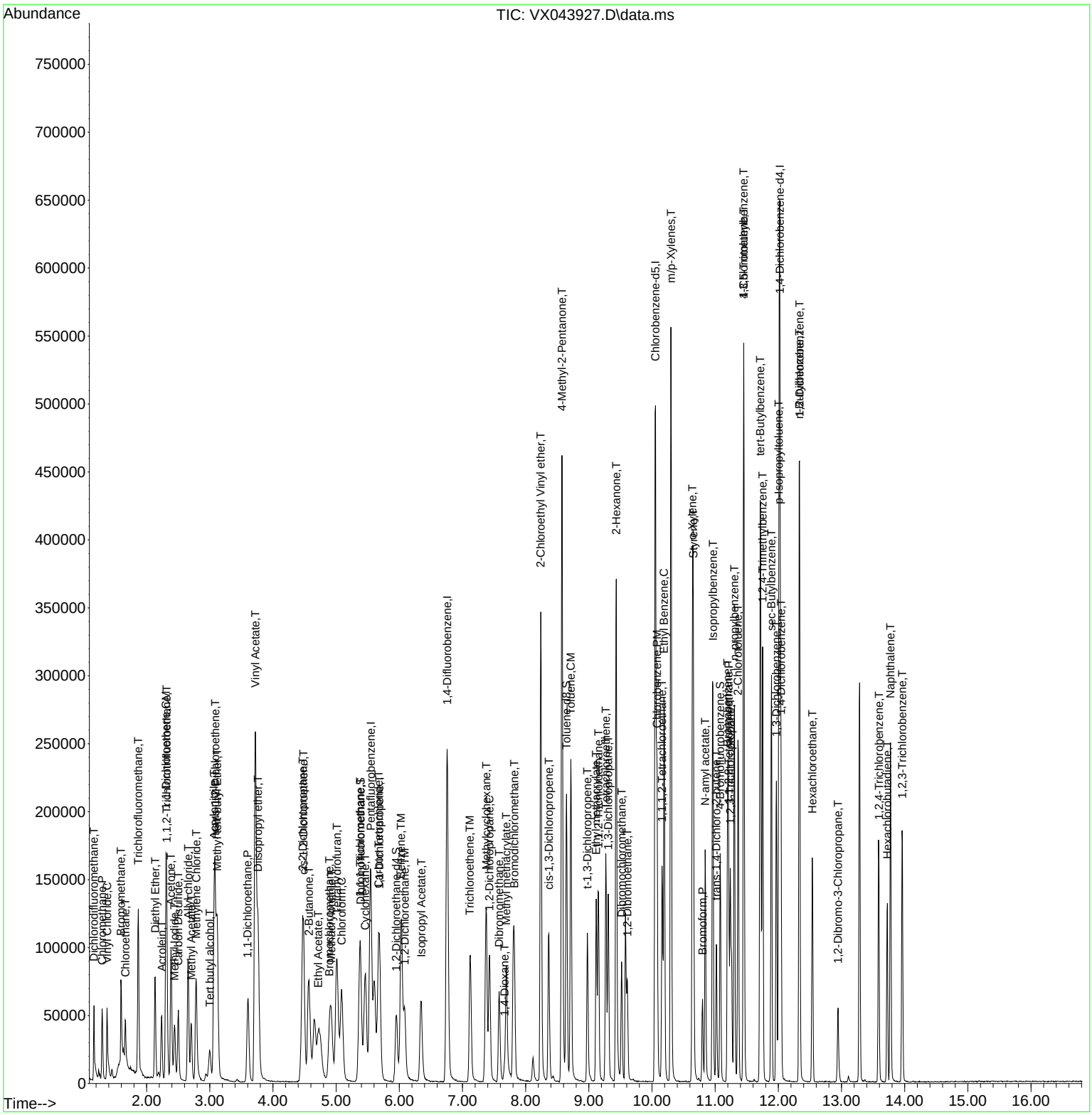
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

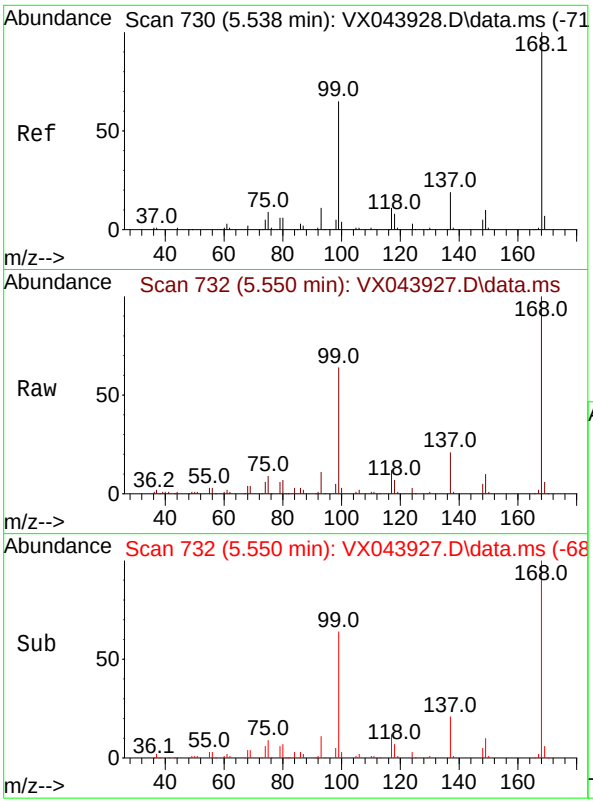
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



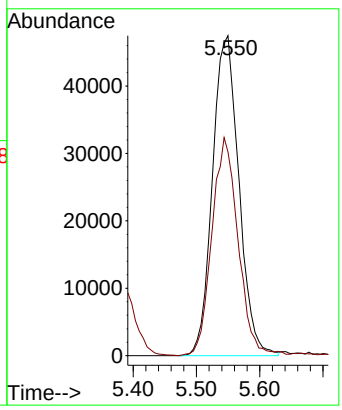


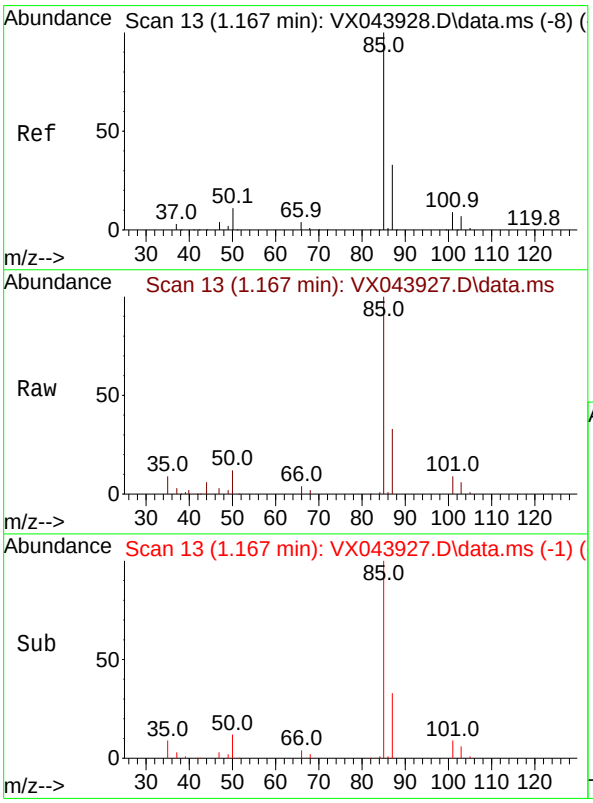
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 137617

Ion	Ratio	Lower	Upper
168	100		
99	63.7	51.8	77.8

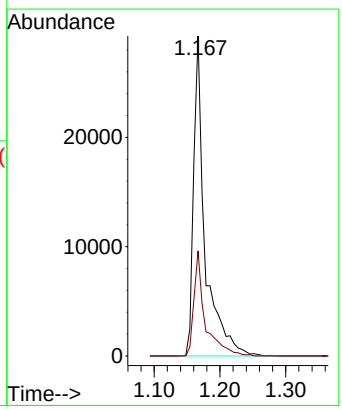


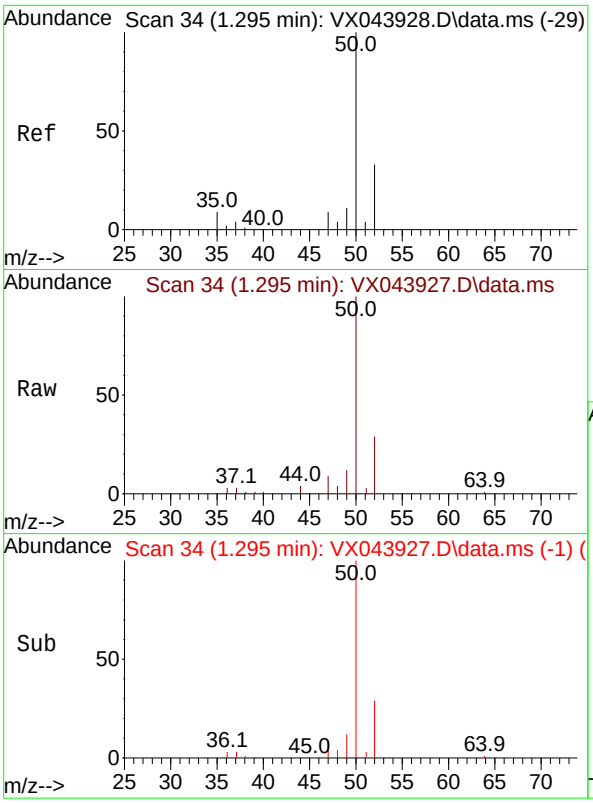


#2
Dichlorodifluoromethane
Concen: 20.230 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.8



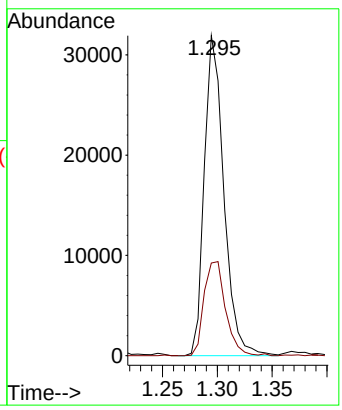


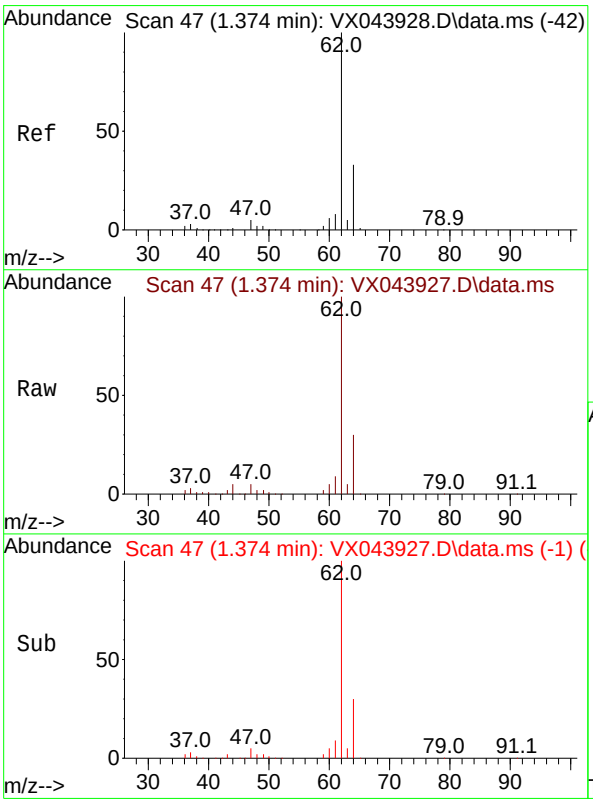
#3
Chloromethane
Concen: 21.597 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 39622

Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.1	39.1

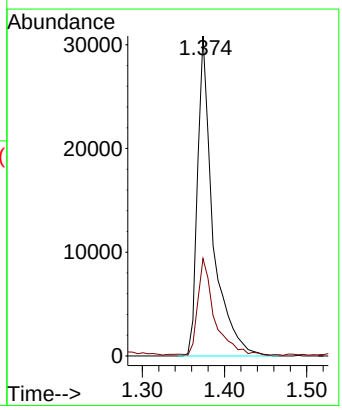


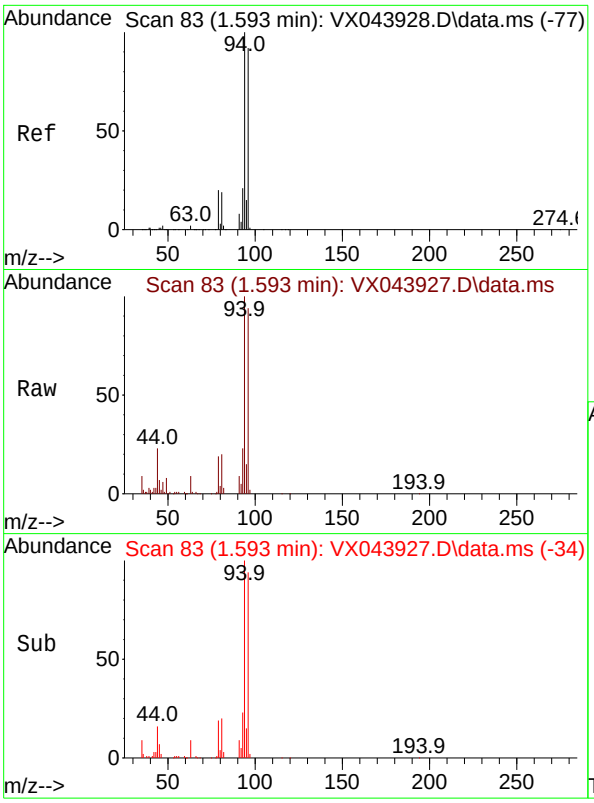


#4
Vinyl Chloride
Concen: 20.587 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.4



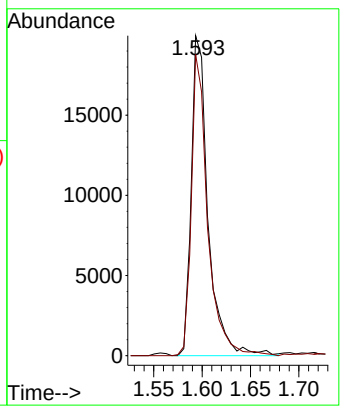


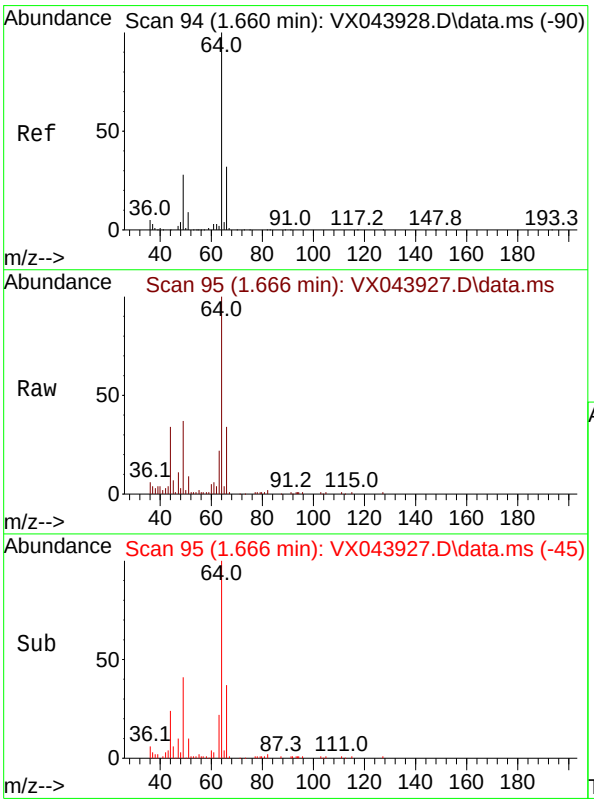
#5
Bromomethane
Concen: 20.086 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 24112

Ion	Ratio	Lower	Upper
94	100		
96	94.1	73.9	110.9

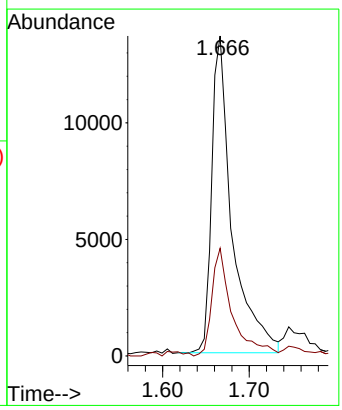


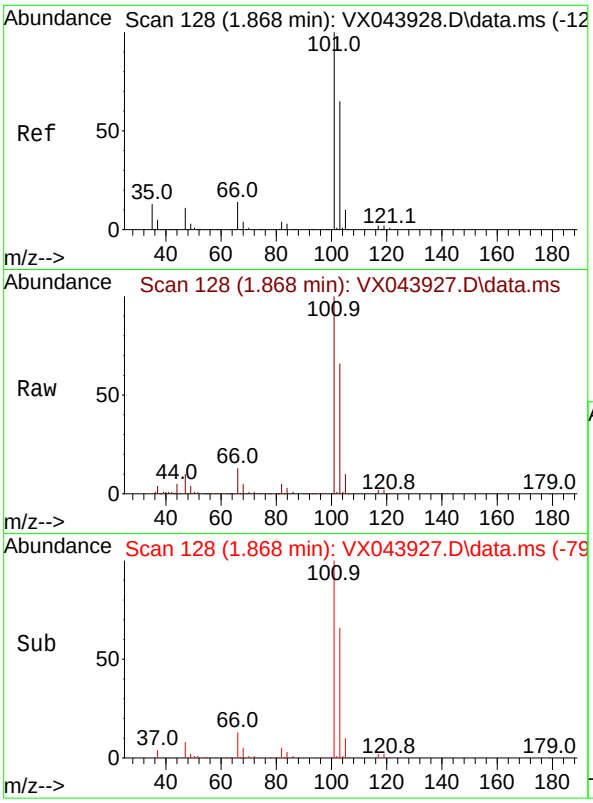


#6
Chloroethane
Concen: 18.682 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.9	38.9



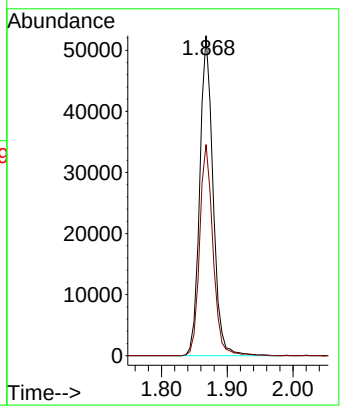


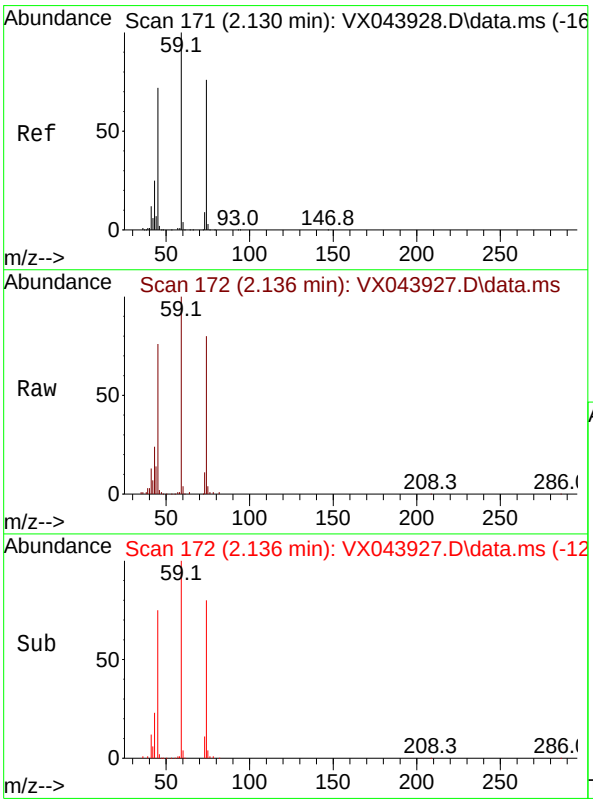
#7
Trichlorofluoromethane
Concen: 21.058 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 73464

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

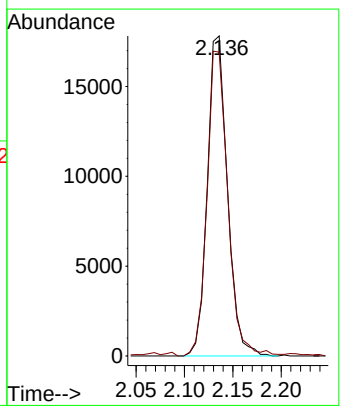


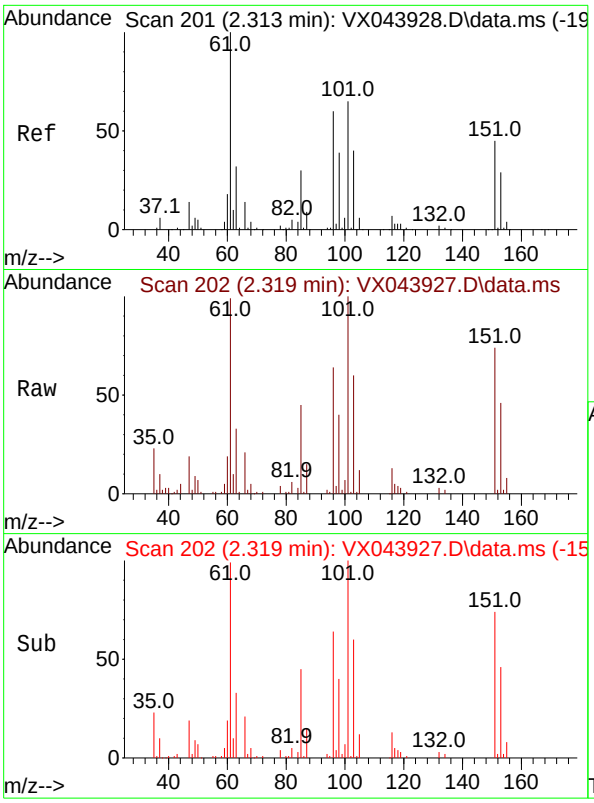


#8
Diethyl Ether
Concen: 20.349 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.9	143.6



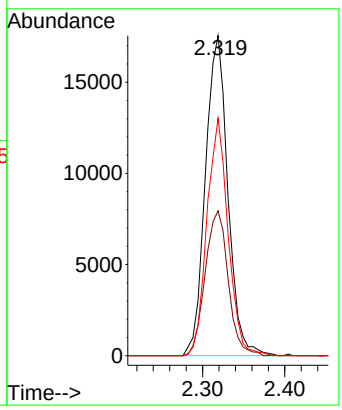


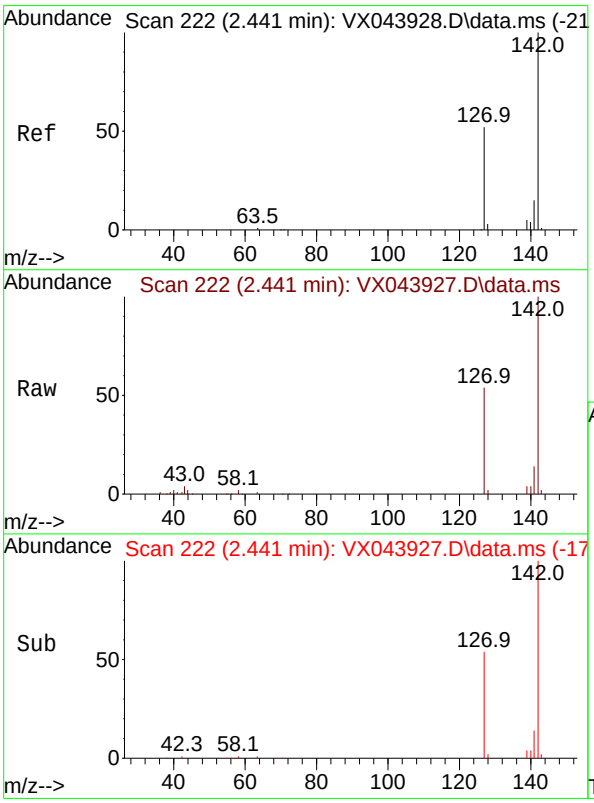
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.001 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 33284

Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.9	56.9
151	70.1	57.5	86.3

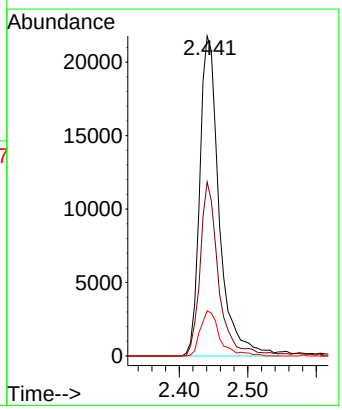


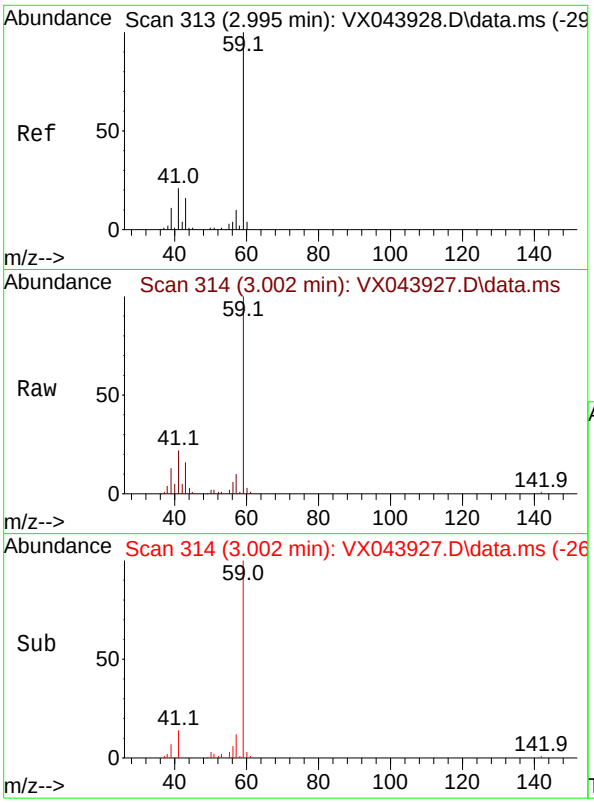


#10
Methyl Iodide
Concen: 20.712 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047

Ion	Ratio	Lower	Upper
142	100		
127	51.8	40.7	61.1
141	14.2	12.0	18.0



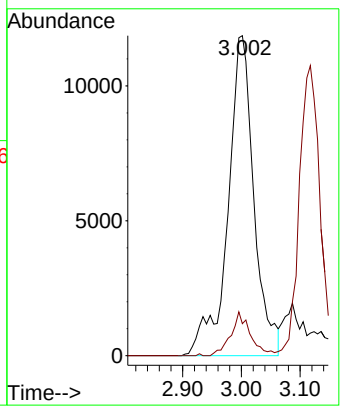


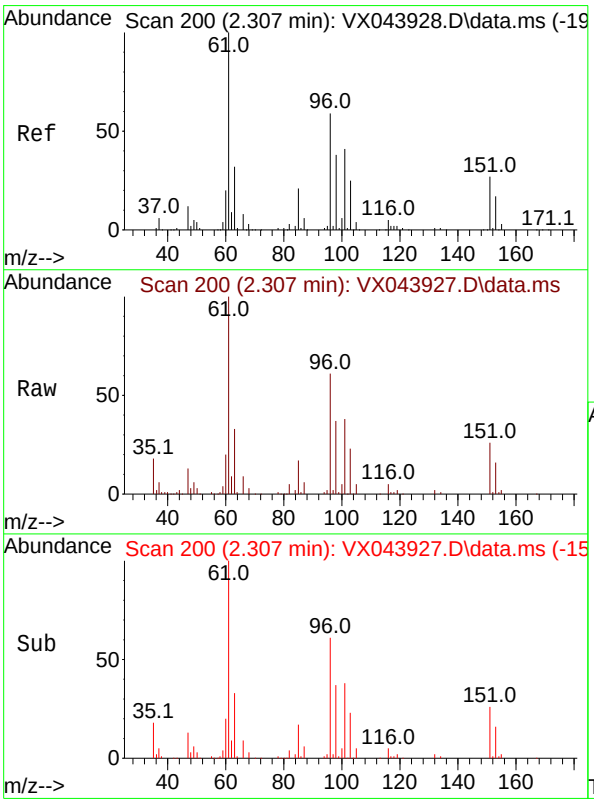
#11
Tert butyl alcohol
Concen: 96.484 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 36554

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

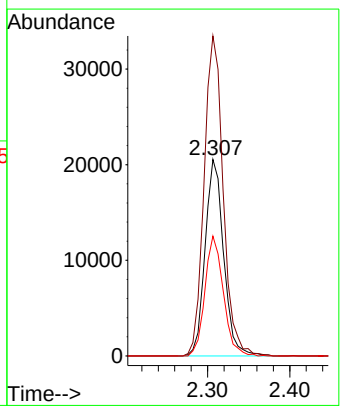


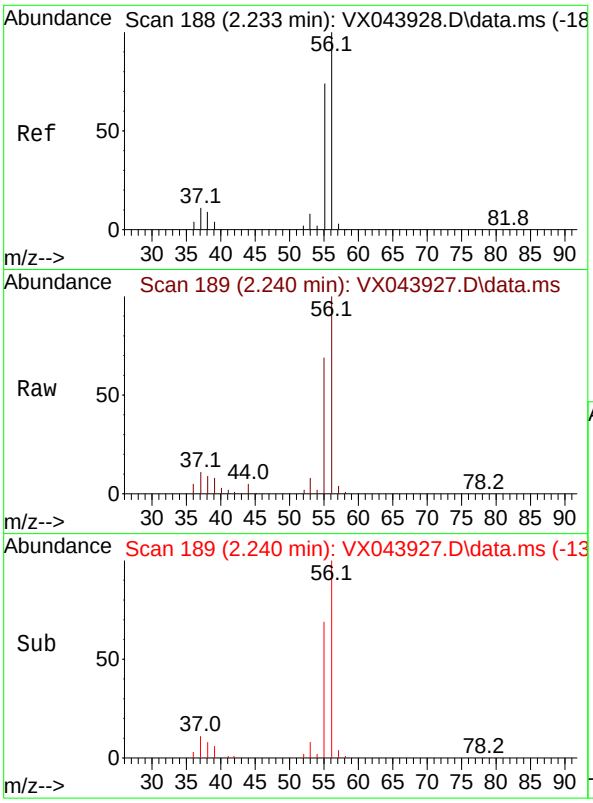


#12
1,1-Dichloroethene
Concen: 20.293 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180

Ion	Ratio	Lower	Upper
96	100		
61	162.9	135.5	203.3
98	61.0	50.8	76.2



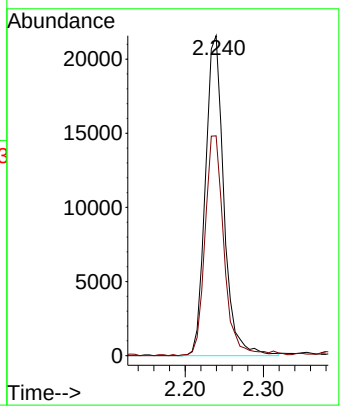


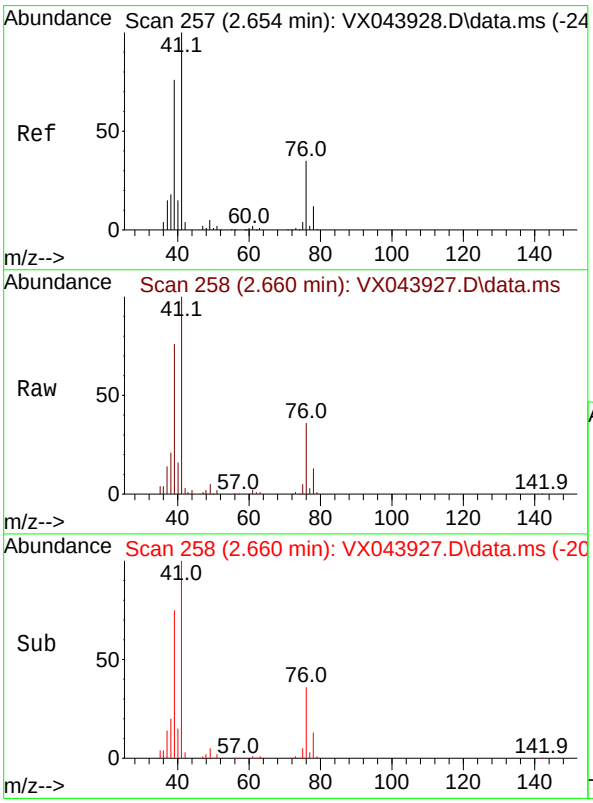
#13
Acrolein
Concen: 88.269 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 35249

Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.2	87.2

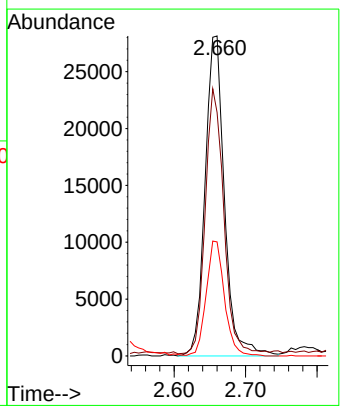


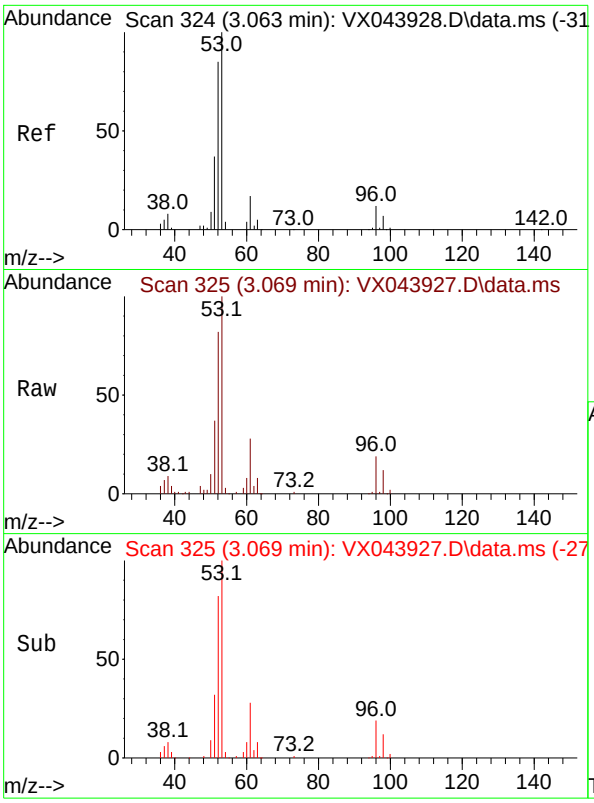


#14
Allyl chloride
Concen: 20.475 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 53053

Ion	Ratio	Lower	Upper
41	100		
39	78.7	59.5	89.3
76	33.9	27.4	41.2



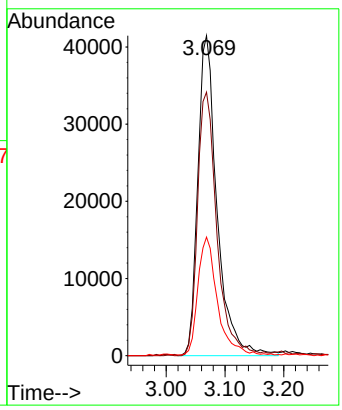


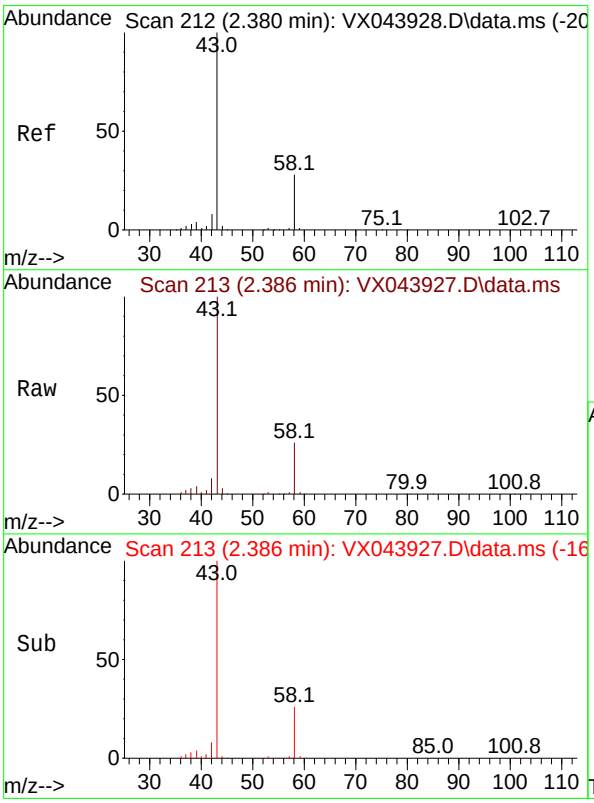
#15
Acrylonitrile
Concen: 102.265 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 94417

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	37.1	30.2	45.4

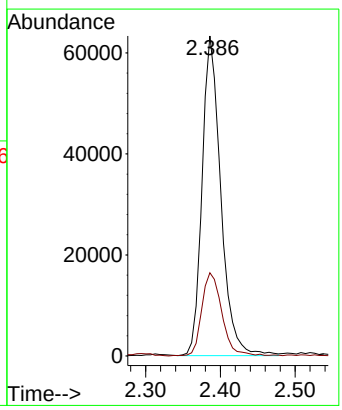


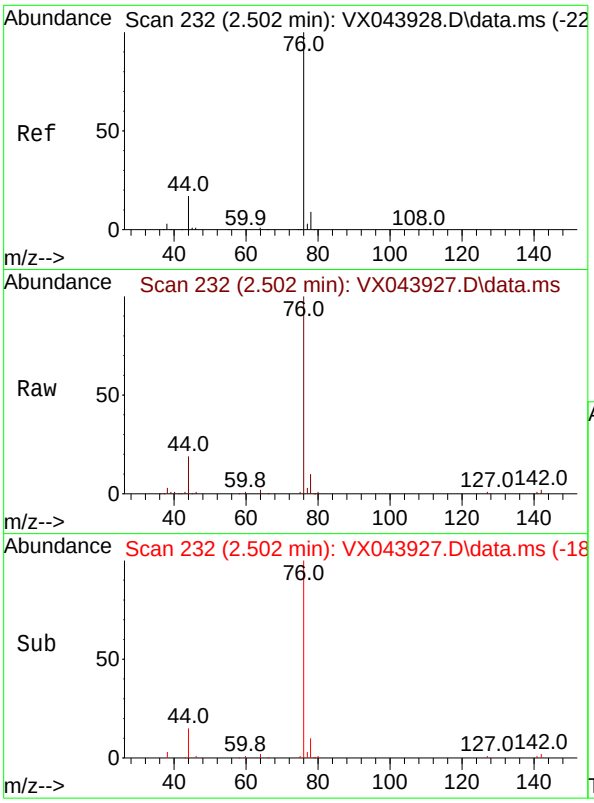


#16
Acetone
Concen: 101.811 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.7	34.1



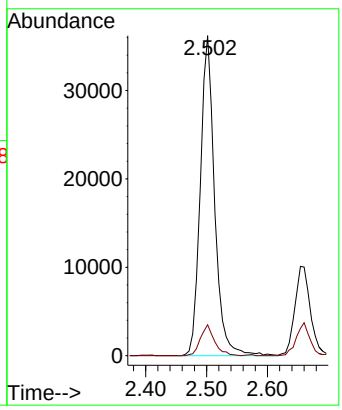


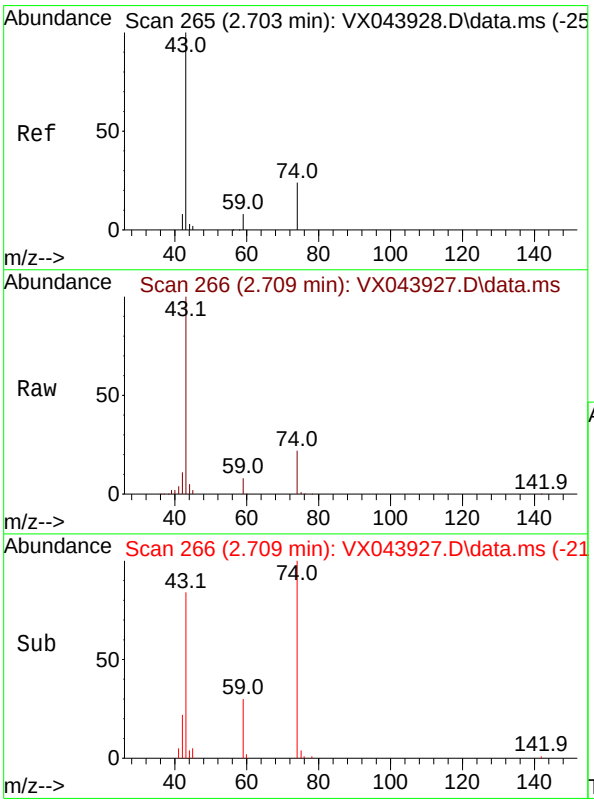
#17
Carbon Disulfide
Concen: 18.144 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 59349

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

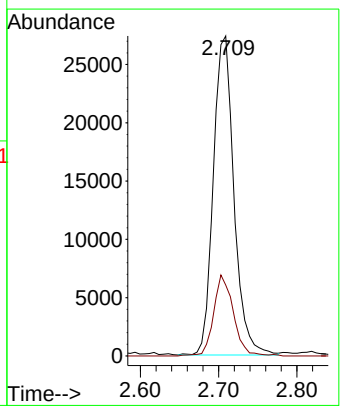


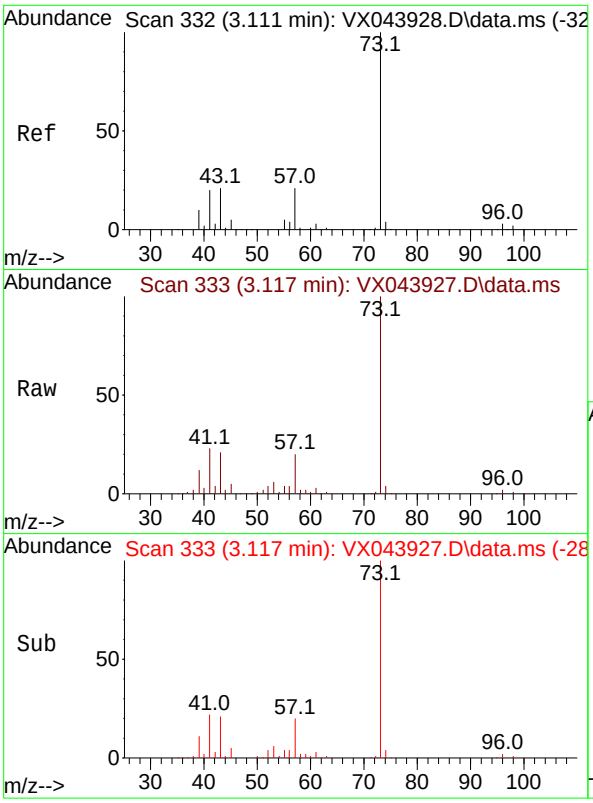


#18
Methyl Acetate
Concen: 19.859 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136

Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3



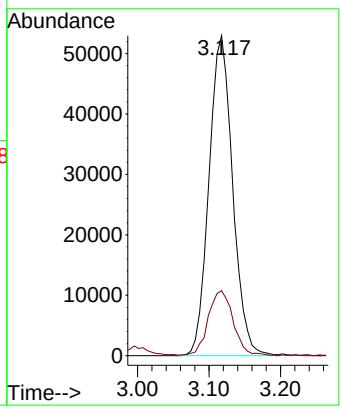


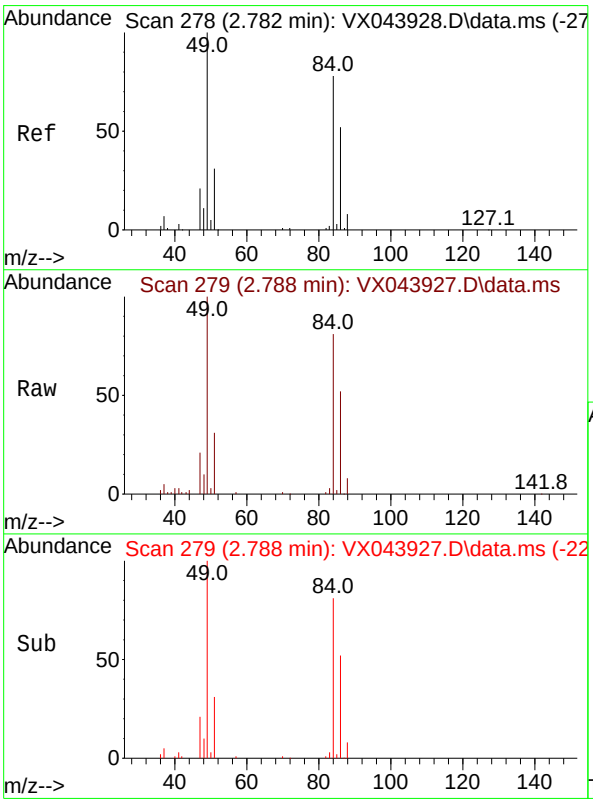
#19
Methyl tert-butyl Ether
Concen: 21.150 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 121776

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.0	25.6

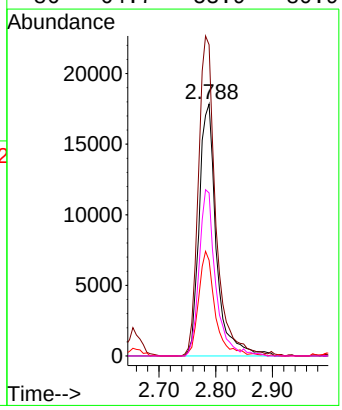


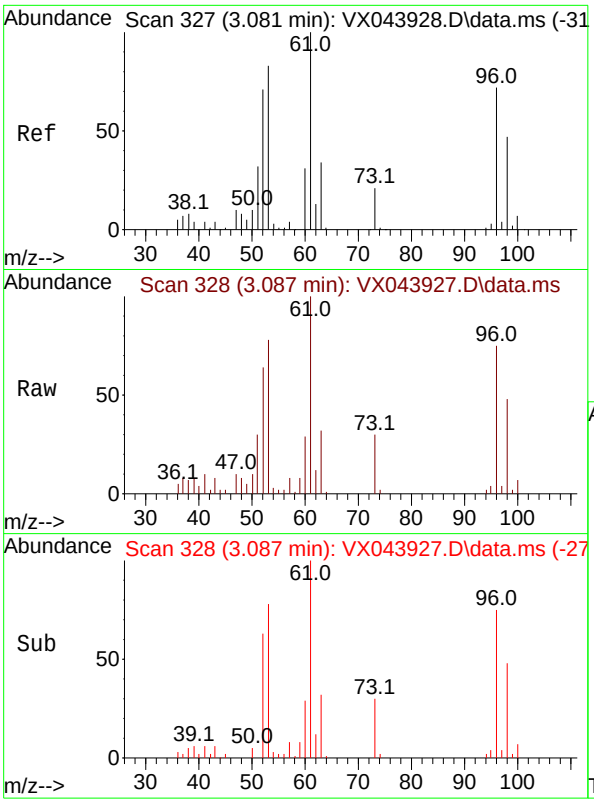


#20
Methylene Chloride
Concen: 20.456 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

Ion	Ratio	Lower	Upper
84	100		
49	123.5	102.7	154.1
51	38.0	31.7	47.5
86	64.7	53.9	80.9



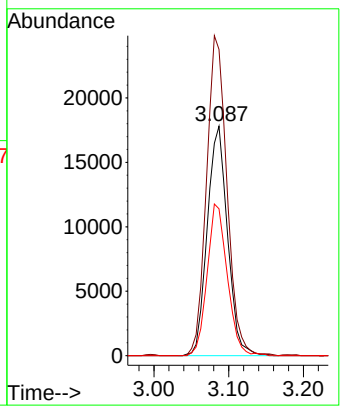


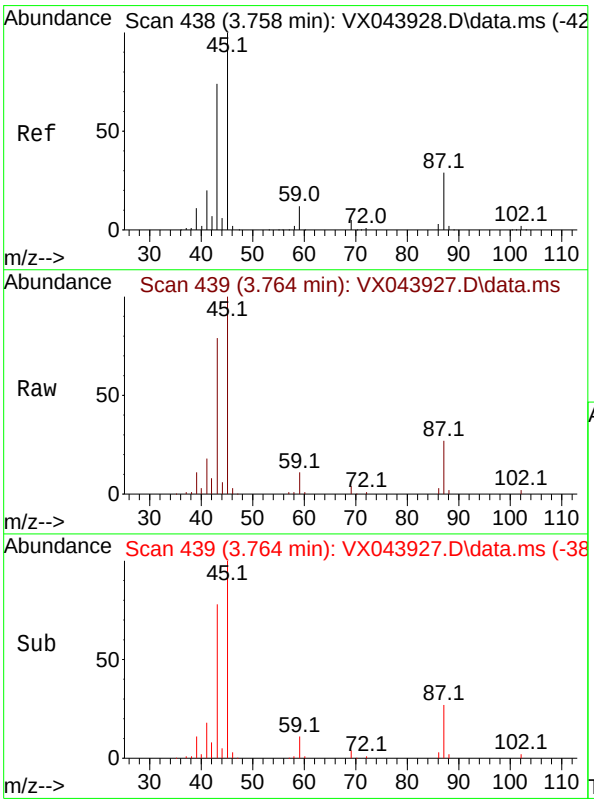
#21
trans-1,2-Dichloroethene
Concen: 20.489 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 33545

Ion	Ratio	Lower	Upper
96	100		
61	133.4	111.8	167.6
98	64.0	52.7	79.1

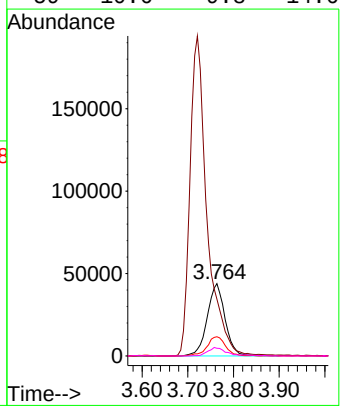


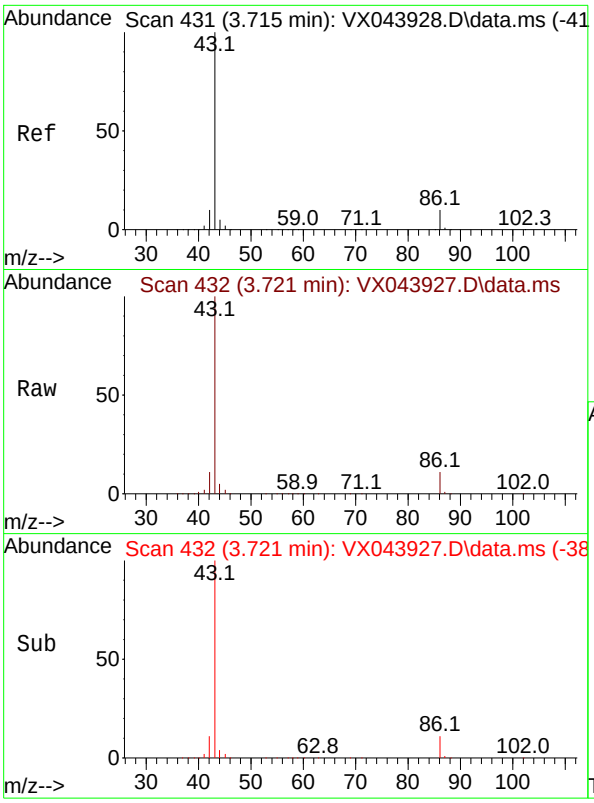


#22
Diisopropyl ether
Concen: 21.564 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

Ion	Ratio	Lower	Upper
45	100		
43	77.4	59.6	89.4
87	26.6	22.9	34.3
59	10.6	9.8	14.6



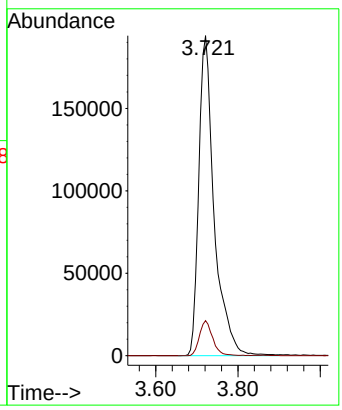


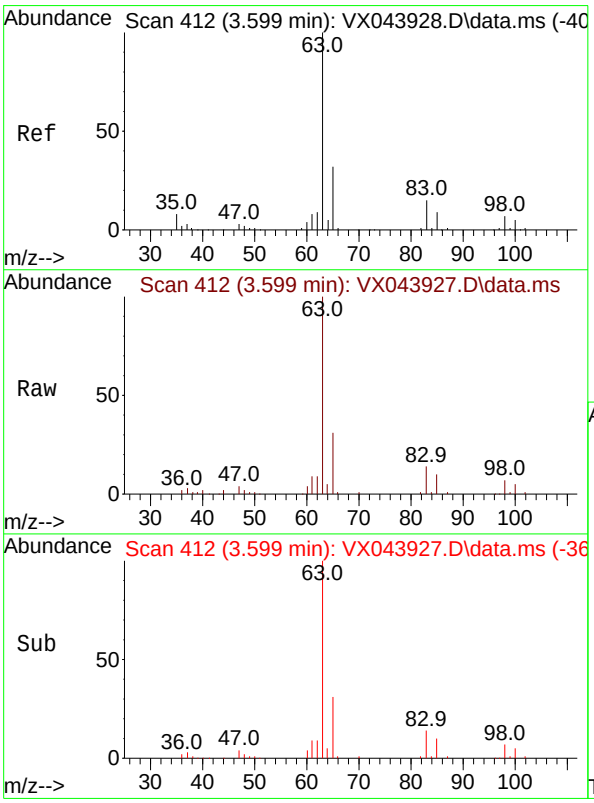
#23
Vinyl Acetate
Concen: 106.423 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 504408

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

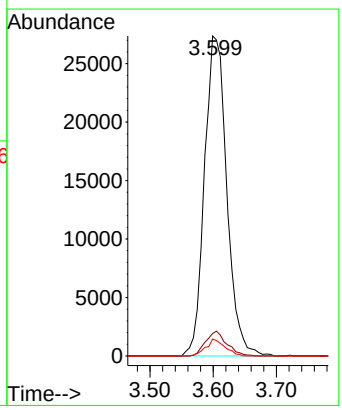


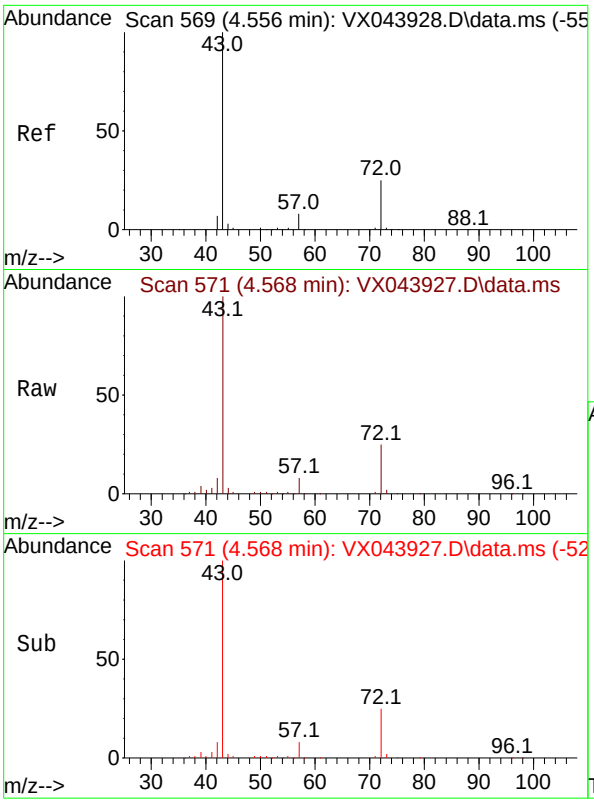


#24
1,1-Dichloroethane
Concen: 21.034 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	5.3	2.4	7.1



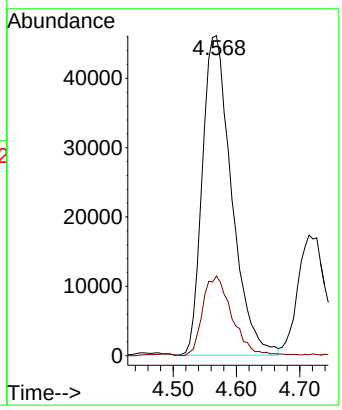


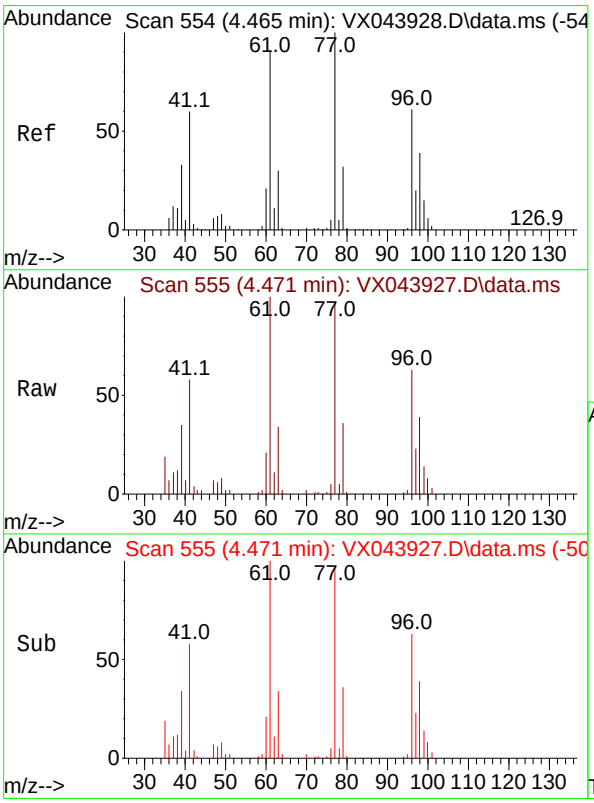
#25
2-Butanone
Concen: 105.912 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 148152

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.2

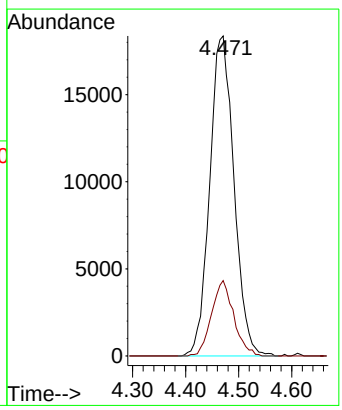


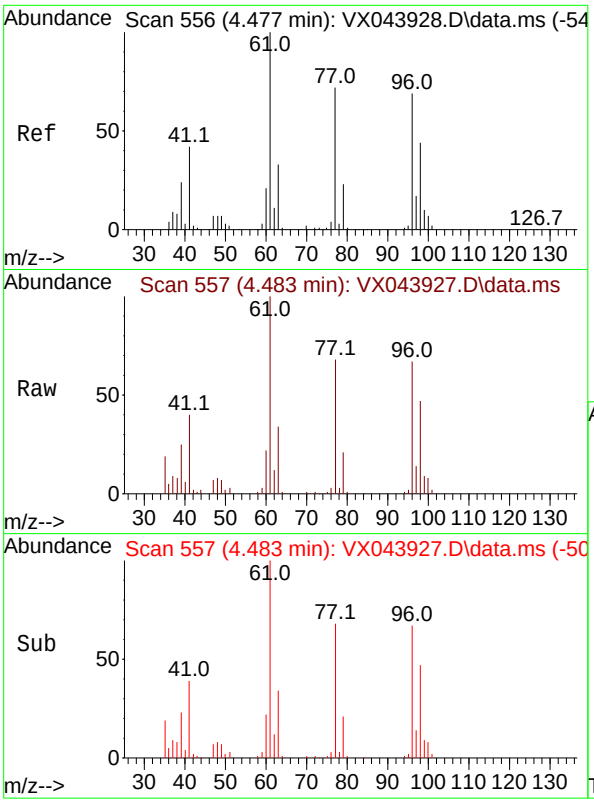


#26
2,2-Dichloropropane
Concen: 20.246 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



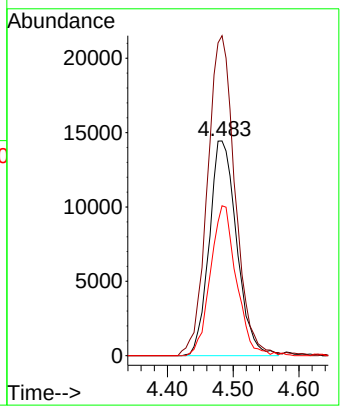


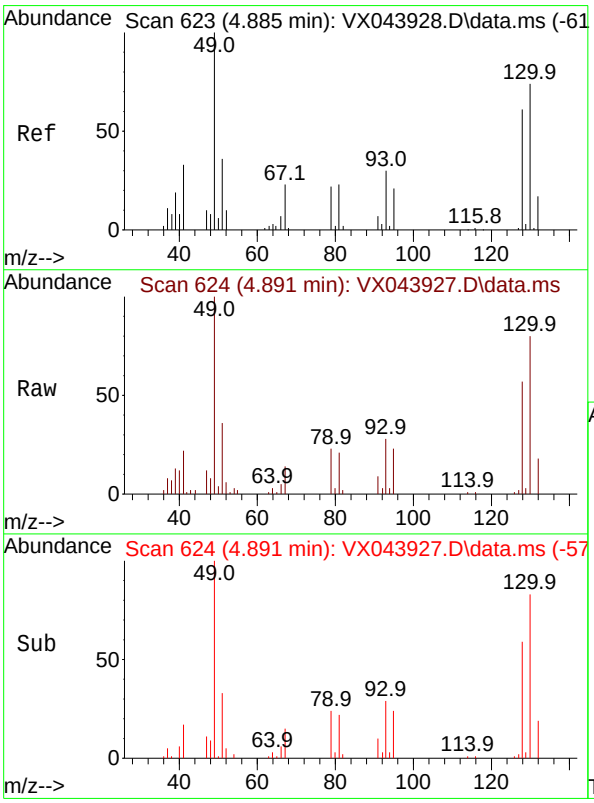
#27
cis-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 41866

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	297.4
98	66.3	0.0	127.8

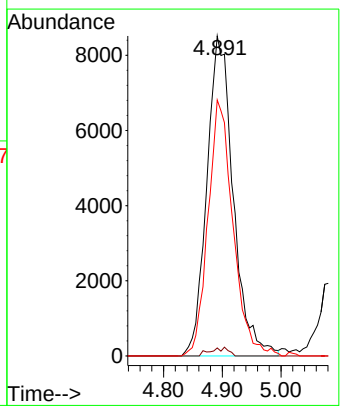


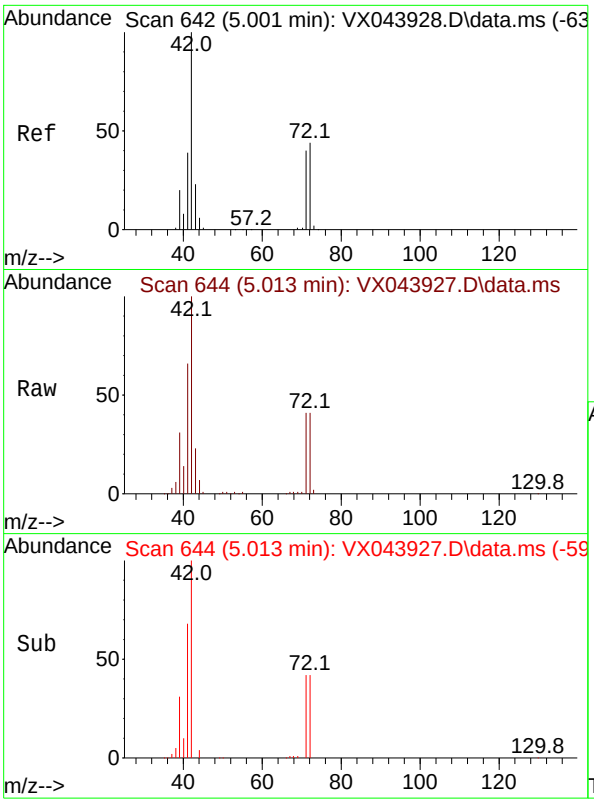


#28
Bromochloromethane
Concen: 18.840 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	75.8	59.0	88.6



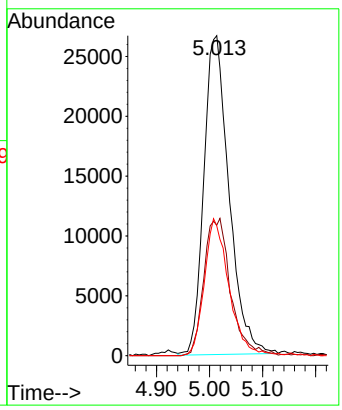


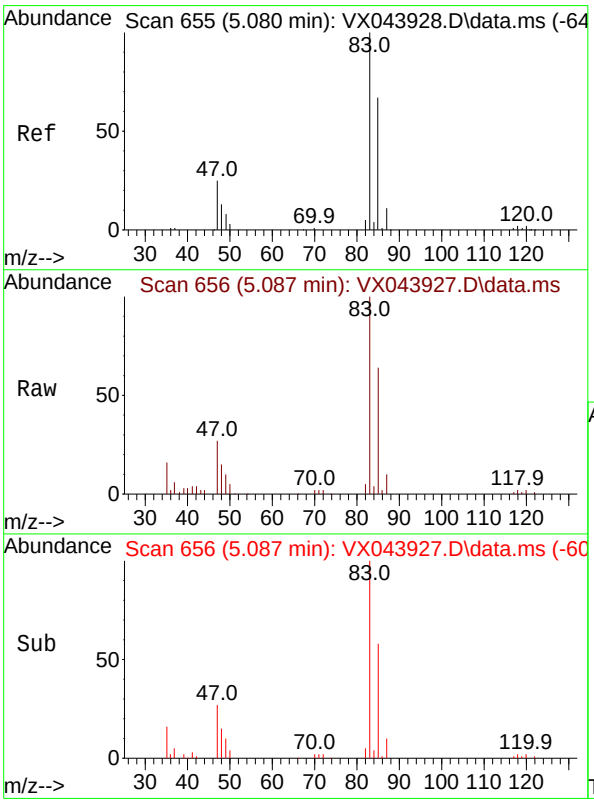
#29
Tetrahydrofuran
Concen: 102.308 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 87736

Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	42.0	33.4	50.0

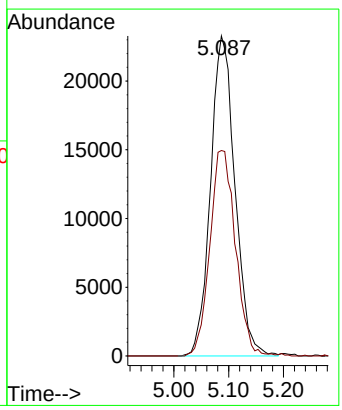


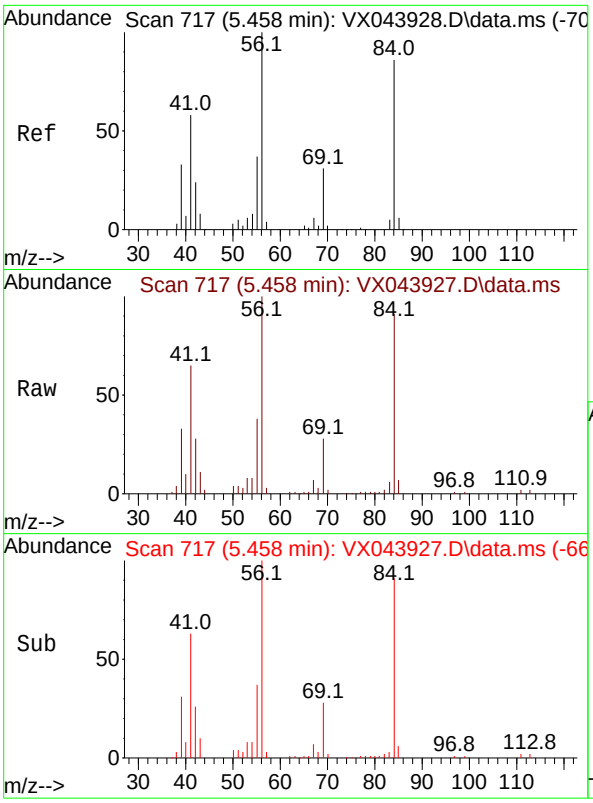


#30
Chloroform
Concen: 20.958 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049

Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.5	80.3



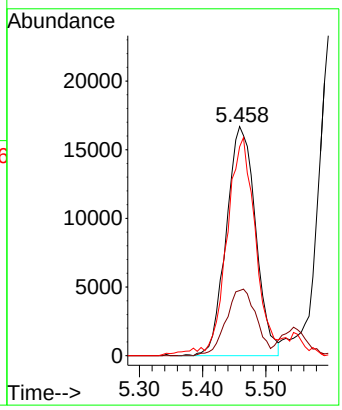


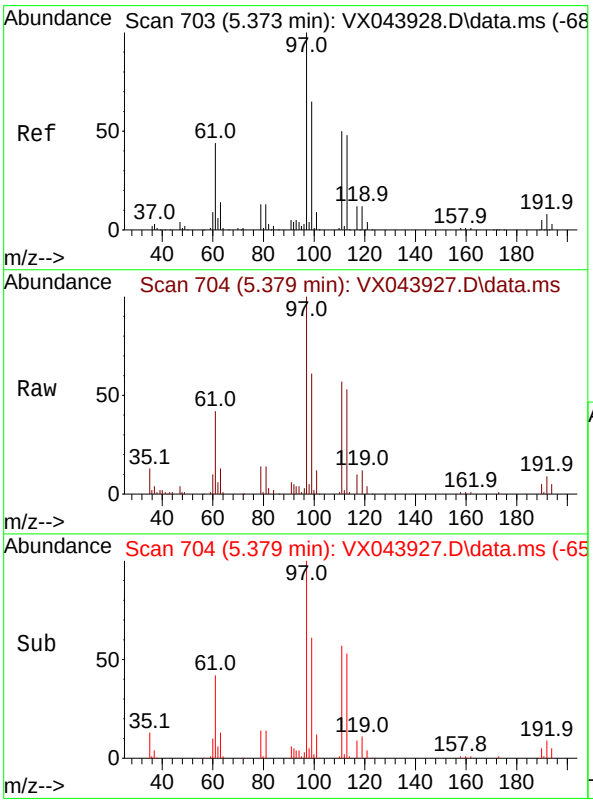
#31
Cyclohexane
Concen: 20.425 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 53731

Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.7	37.1
84	89.6	68.7	103.1

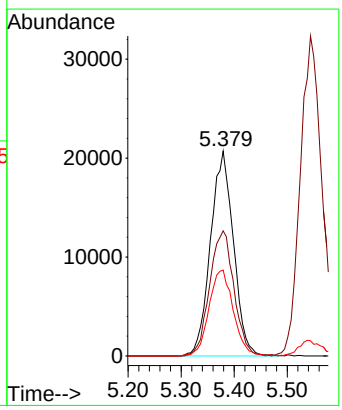


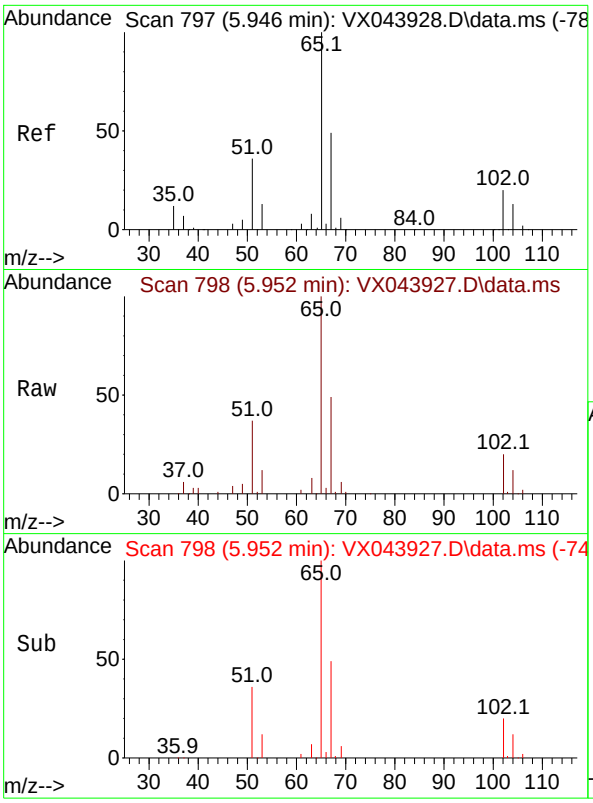


#32
1,1,1-Trichloroethane
Concen: 21.046 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394

Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	44.1	35.4	53.2



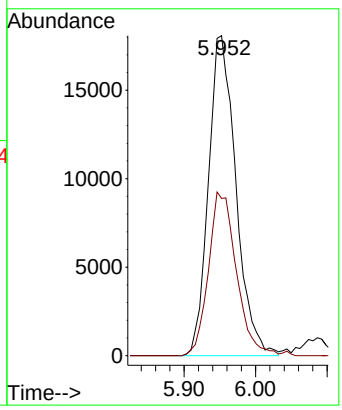


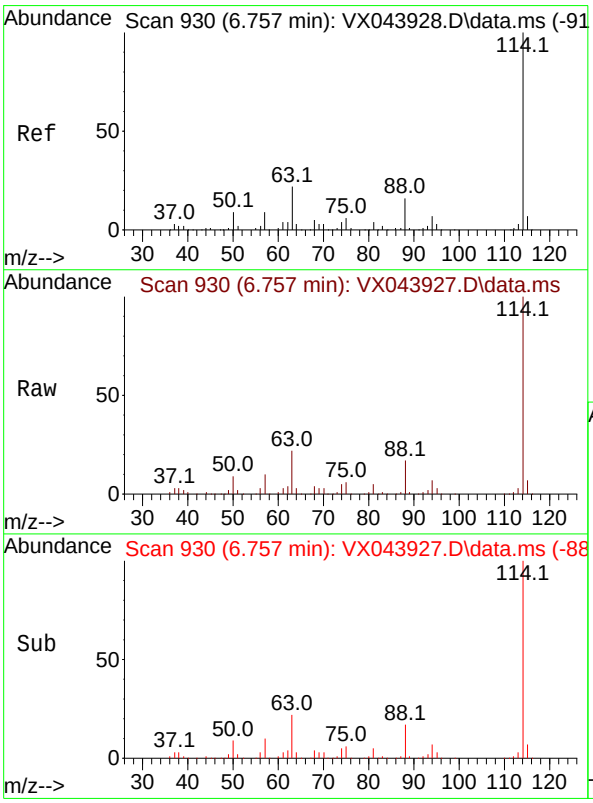
#33
1,2-Dichloroethane-d4
Concen: 20.437 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 48239

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	100.8

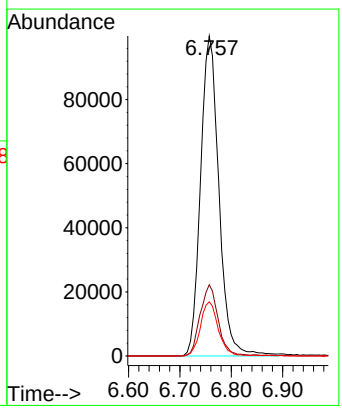


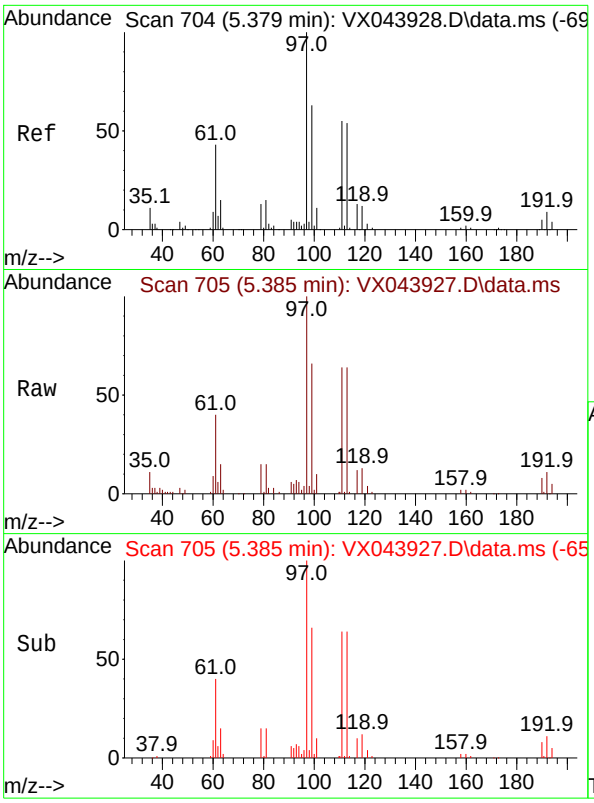


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.9	0.0	32.4



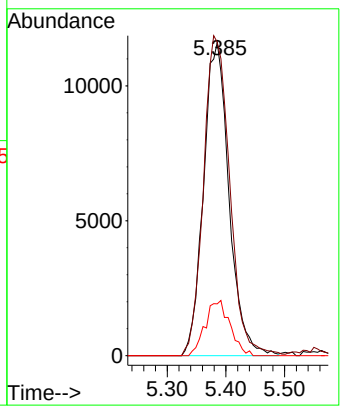


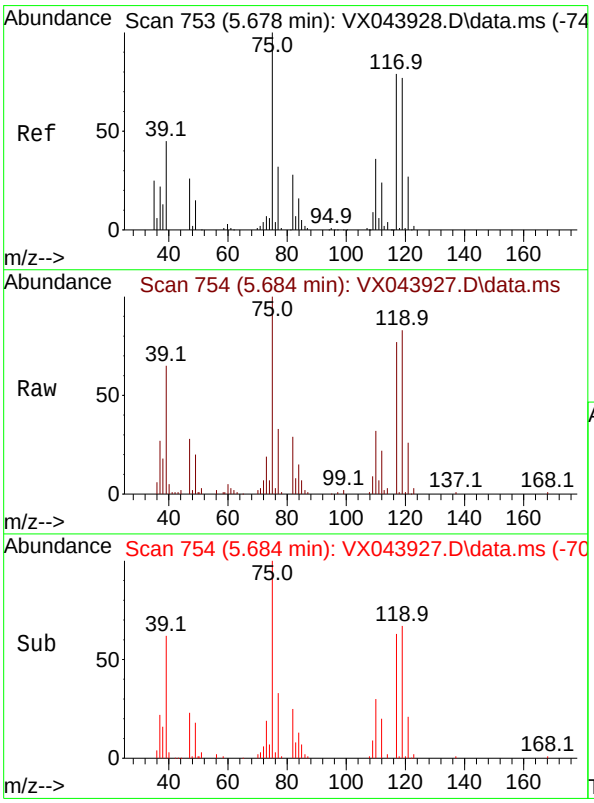
#35
Dibromofluoromethane
Concen: 19.772 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35015

Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.4
192	17.1	13.0	19.6

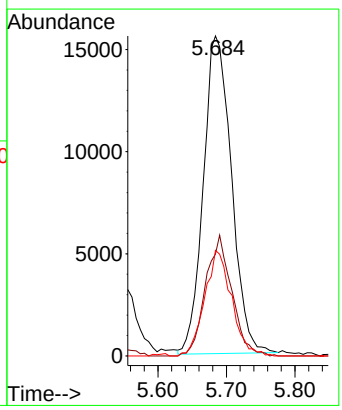


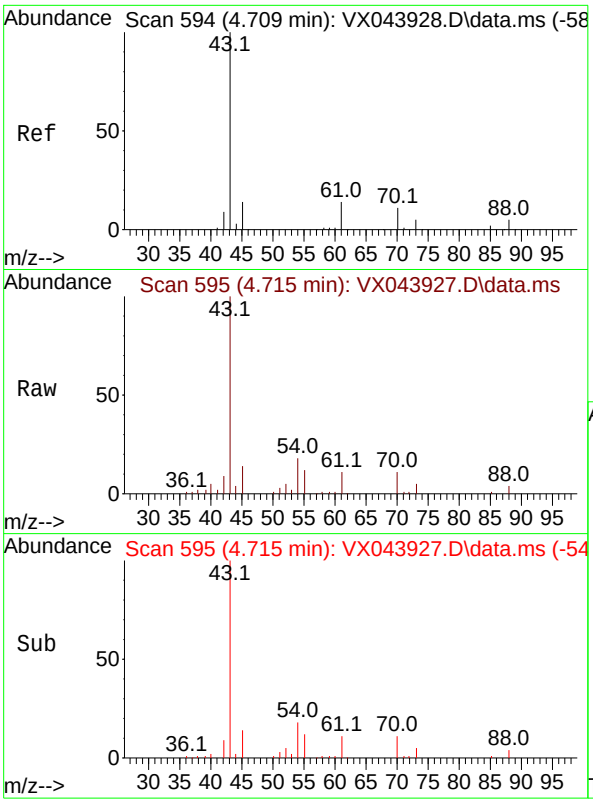


#36
1,1-Dichloropropene
Concen: 20.149 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 44465

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.4	52.2
77	31.8	25.8	38.8



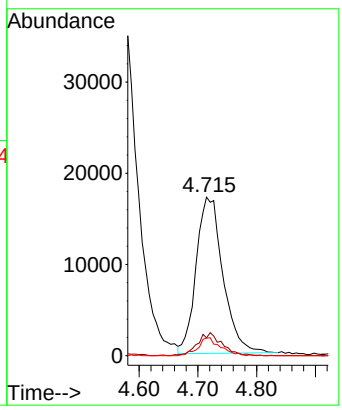


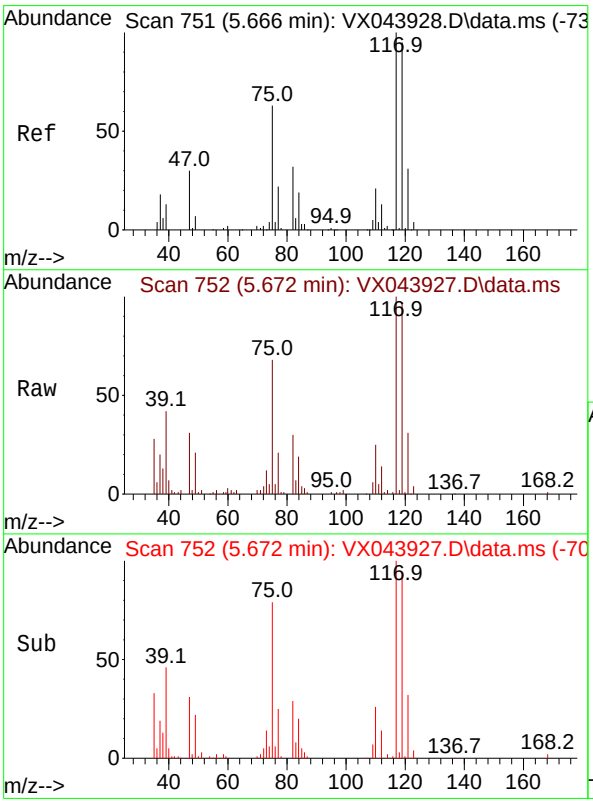
#37
Ethyl Acetate
Concen: 19.868 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 54426

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.5	8.0	12.0

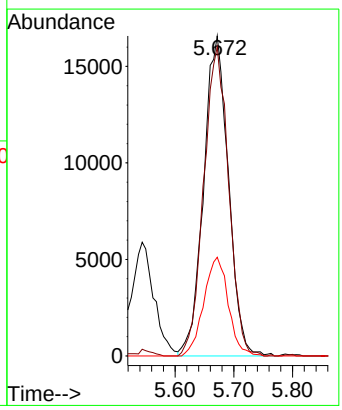


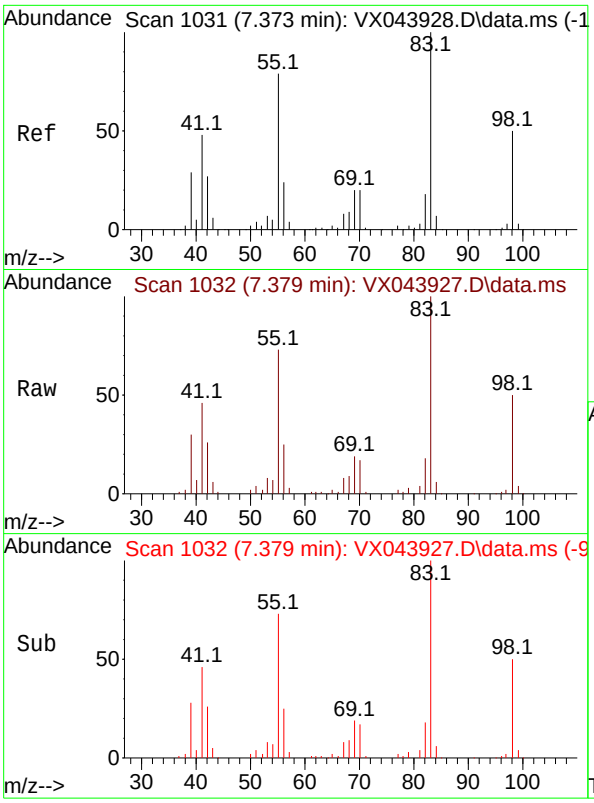


#38
Carbon Tetrachloride
Concen: 19.640 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 48701

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.2	112.8
121	30.8	24.5	36.7



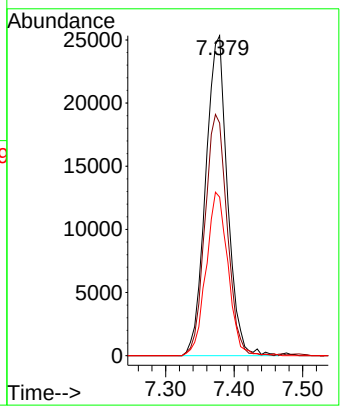


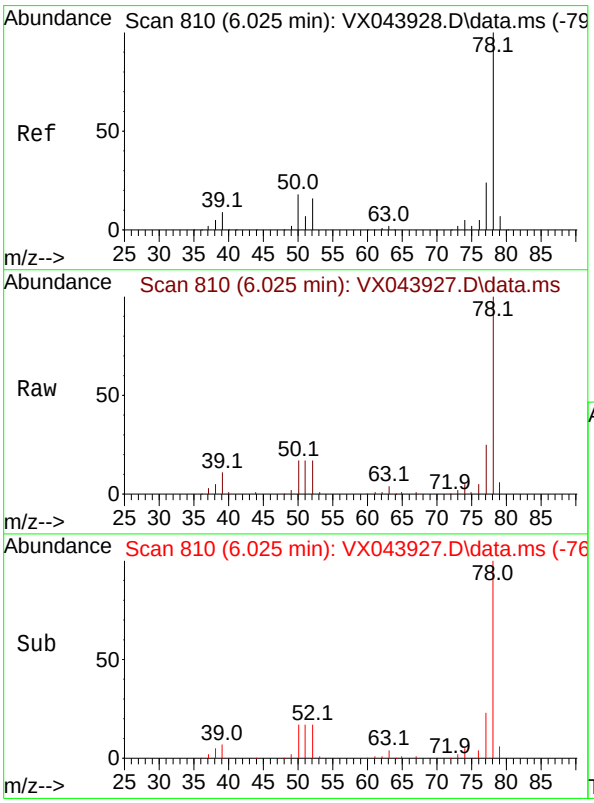
#39
Methylcyclohexane
Concen: 19.518 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55958

Ion	Ratio	Lower	Upper
83	100		
55	72.7	63.1	94.7
98	49.5	40.0	60.0

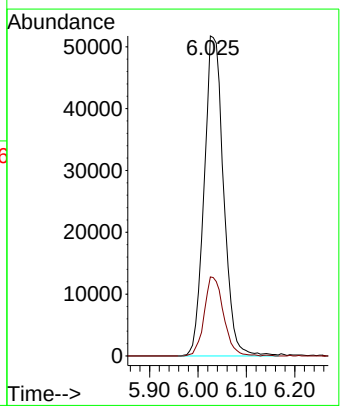


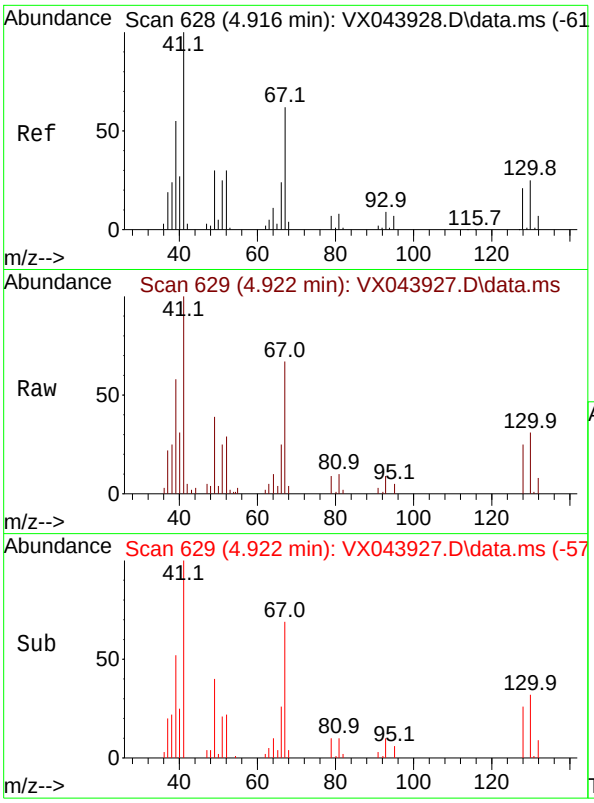


#40
Benzene
Concen: 21.006 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8



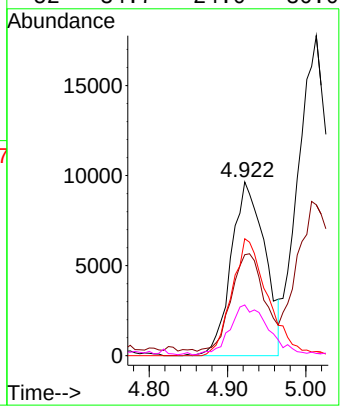


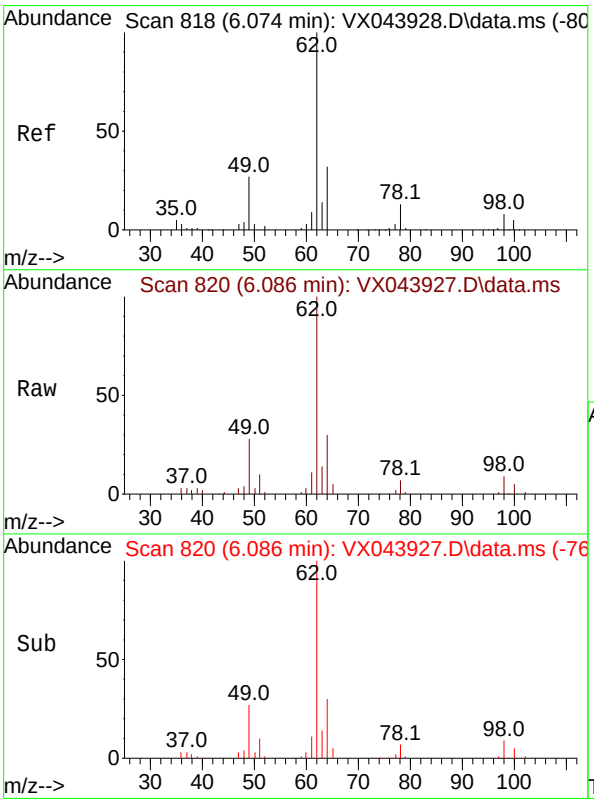
#41
Methacrylonitrile
Concen: 20.639 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 28938

Ion	Ratio	Lower	Upper
41	100		
39	55.1	41.7	62.5
67	72.7	55.8	83.8
52	34.7	24.0	36.0

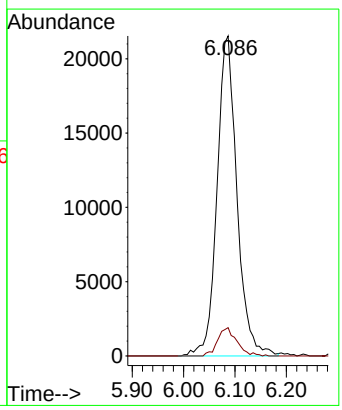


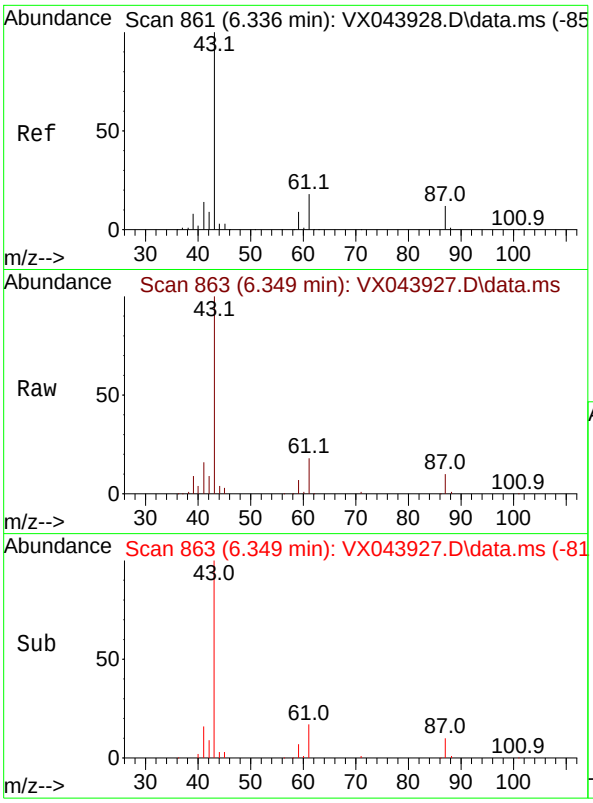


#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



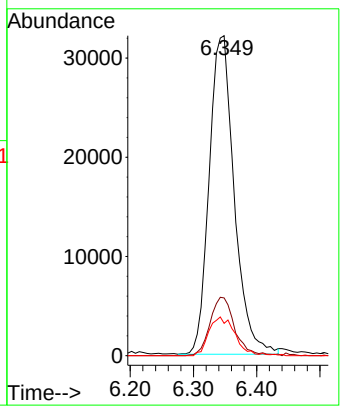


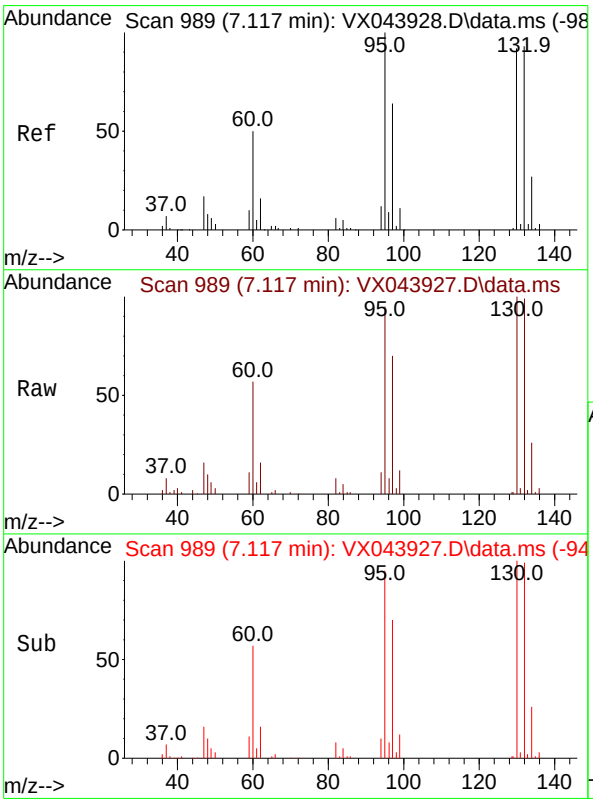
#43
Isopropyl Acetate
Concen: 20.318 ug/l
RT: 6.349 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 88577

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	12.6	10.2	15.2

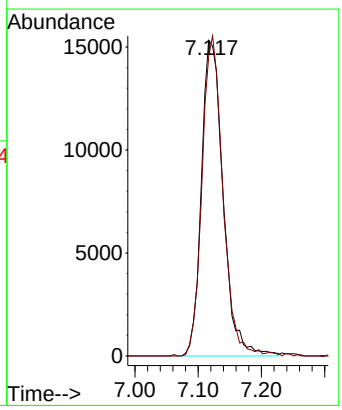


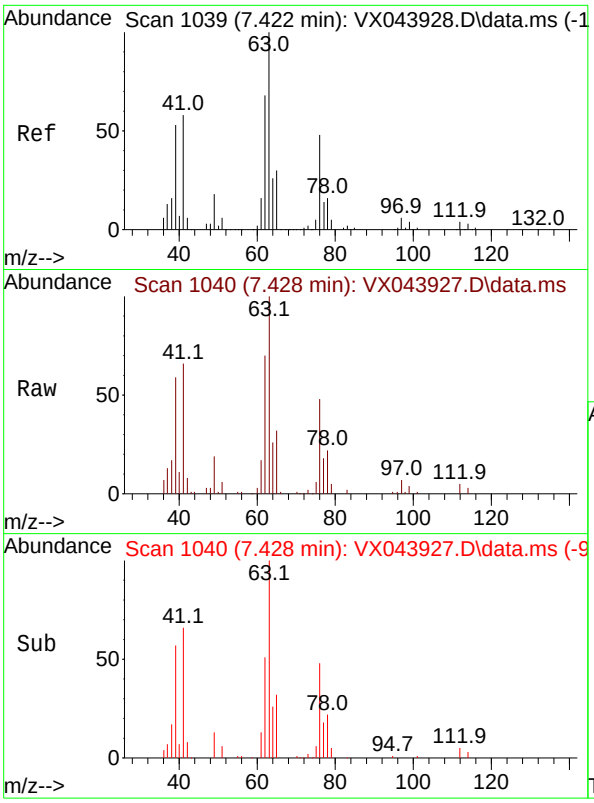


#44
Trichloroethene
Concen: 18.726 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	217.8



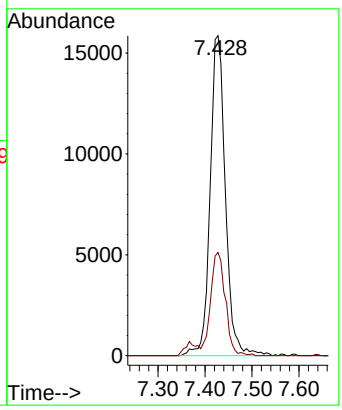


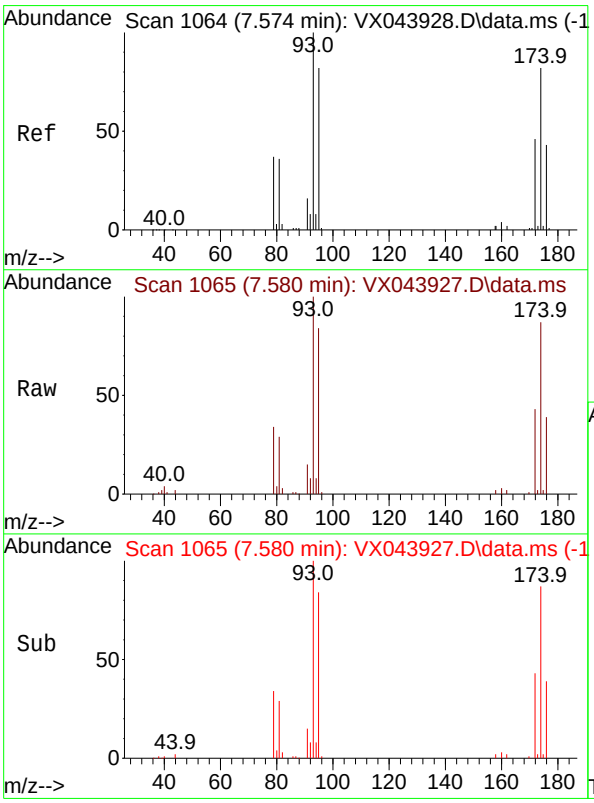
#45
1,2-Dichloropropane
Concen: 21.258 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 35791

Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.8	35.6

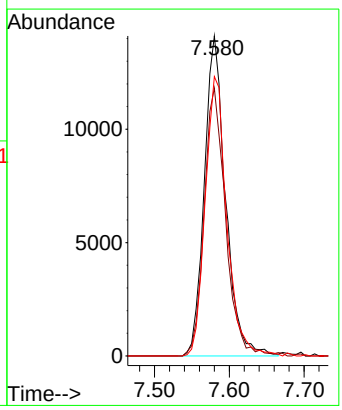


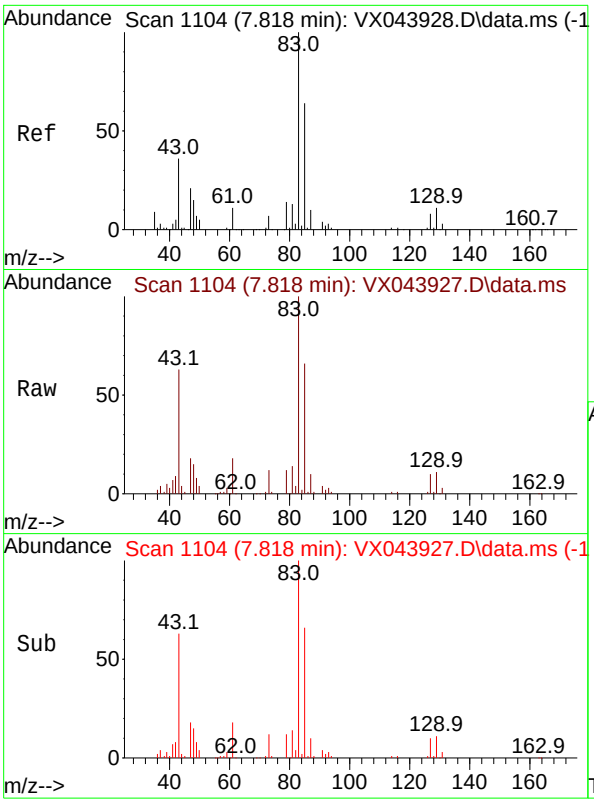


#46
Dibromomethane
Concen: 20.873 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 93 Resp: 27799

Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.4
174	89.0	69.6	104.4



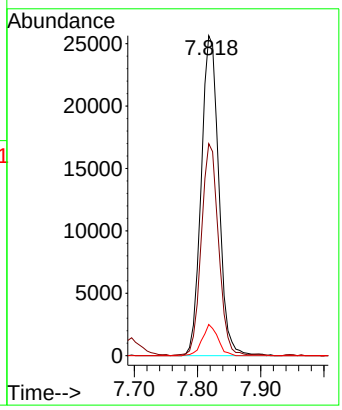


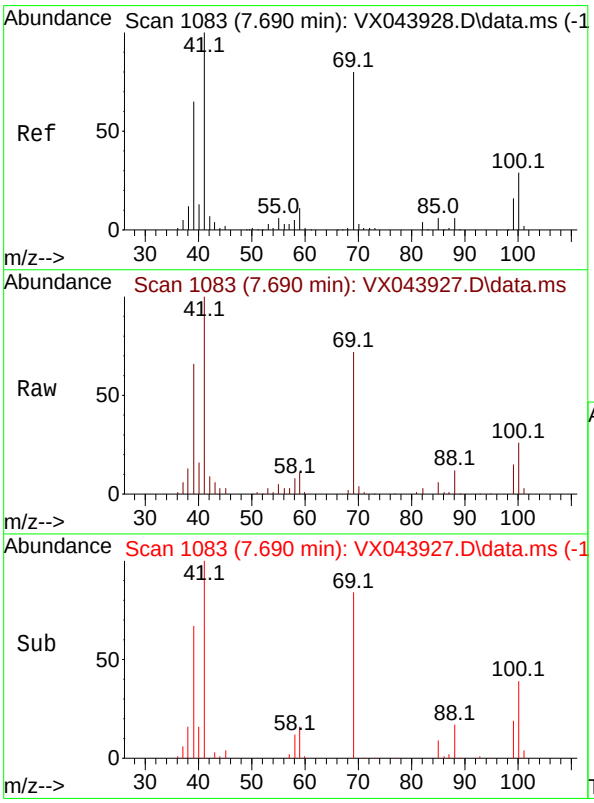
#47
Bromodichloromethane
Concen: 20.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 49665

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.0
127	9.7	6.6	10.0

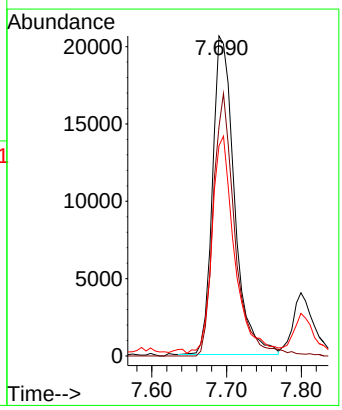


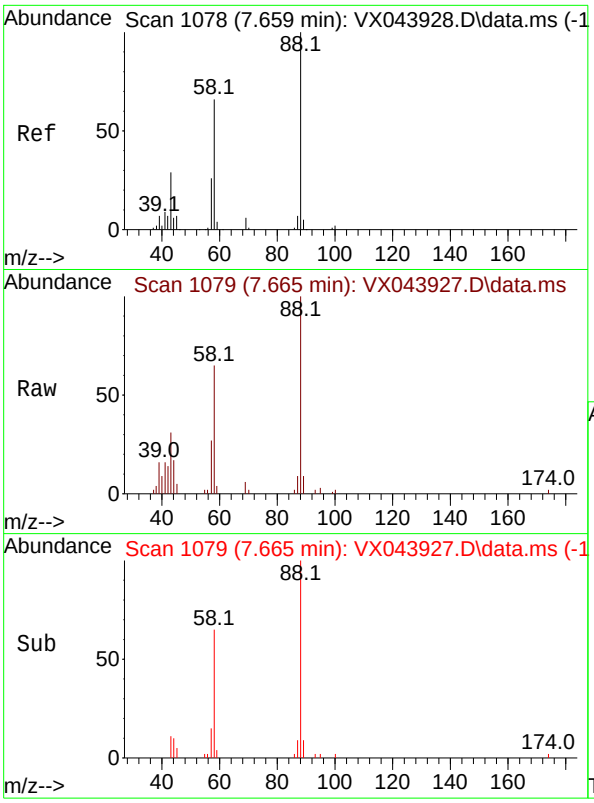


#48
Methyl methacrylate
Concen: 20.059 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962

Ion	Ratio	Lower	Upper
41	100		
69	81.5	64.6	97.0
39	69.6	53.3	79.9



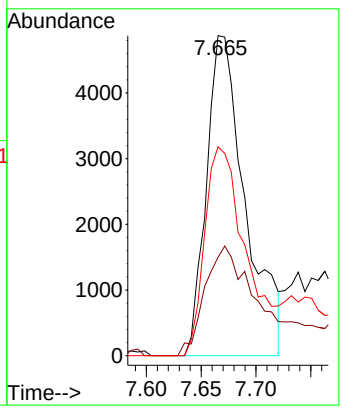


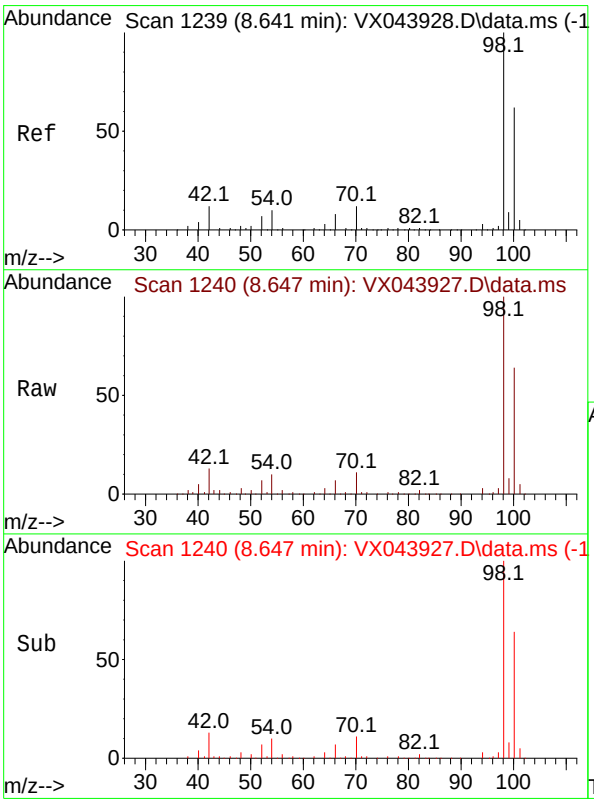
#49
1,4-Dioxane
Concen: 334.681 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12071

Ion	Ratio	Lower	Upper
88	100		
43	52.5	26.8	40.2#
58	69.7	45.4	68.2#

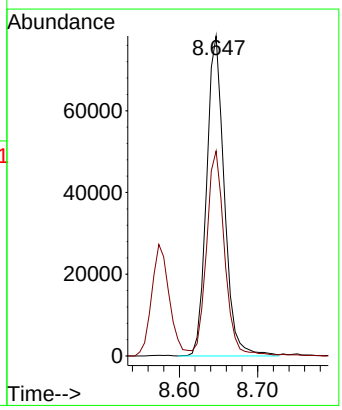


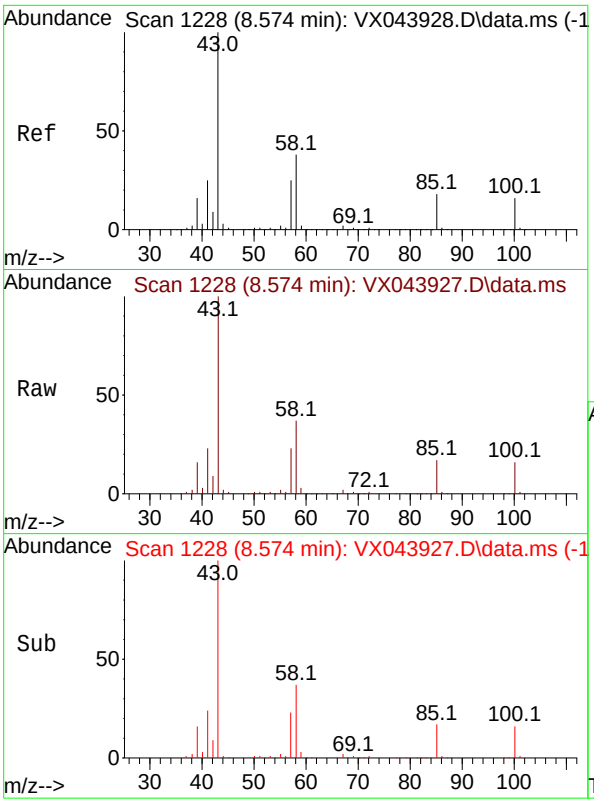


#50
Toluene-d8
Concen: 20.090 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0



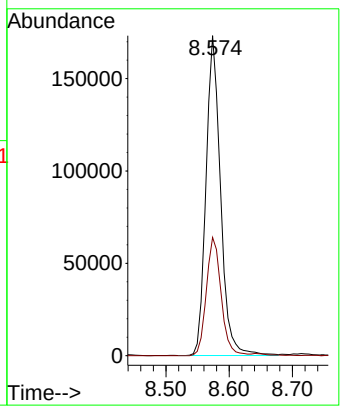


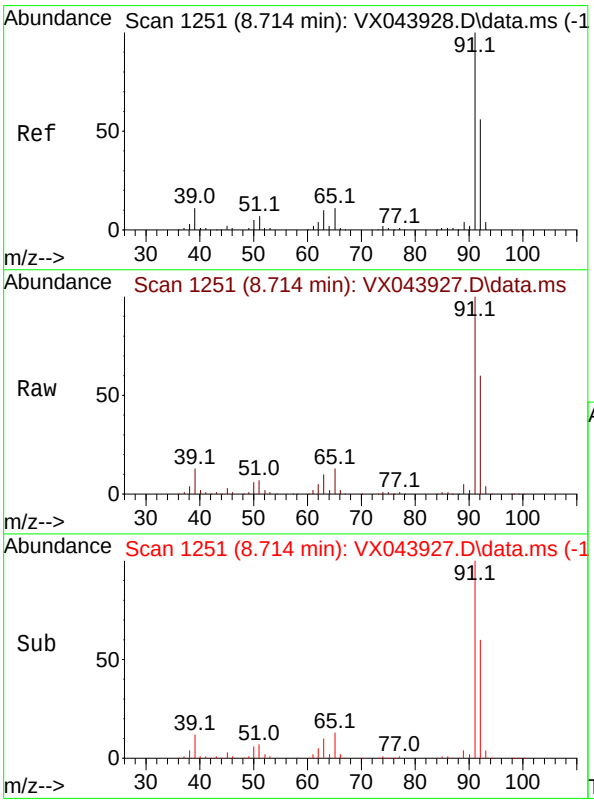
#51
4-Methyl-2-Pentanone
Concen: 104.673 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 278479

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0

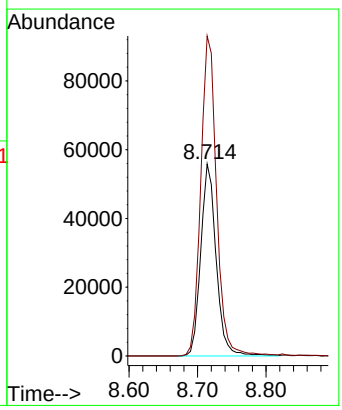


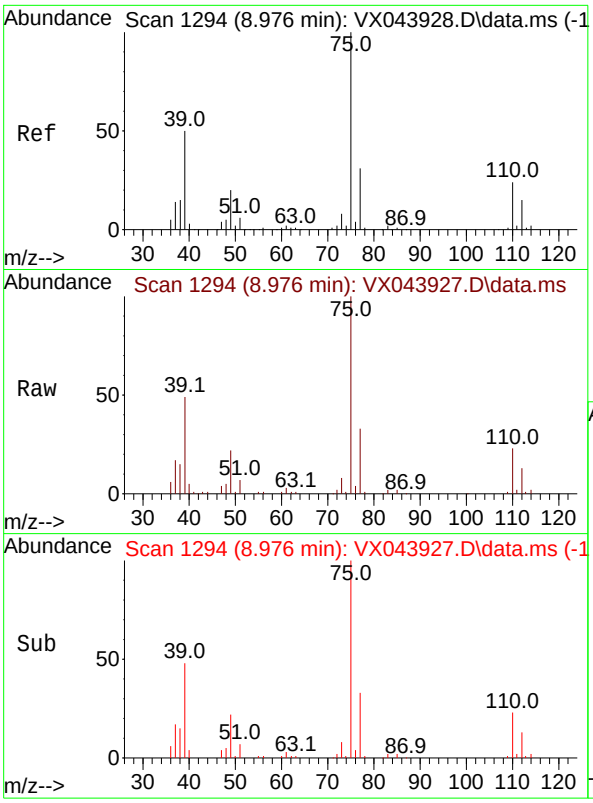


#52
Toluene
Concen: 21.284 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

Ion	Ratio	Lower	Upper
92	100		
91	171.0	139.7	209.5



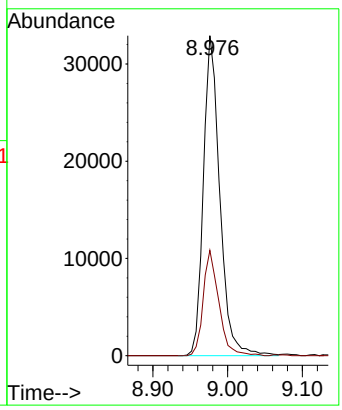


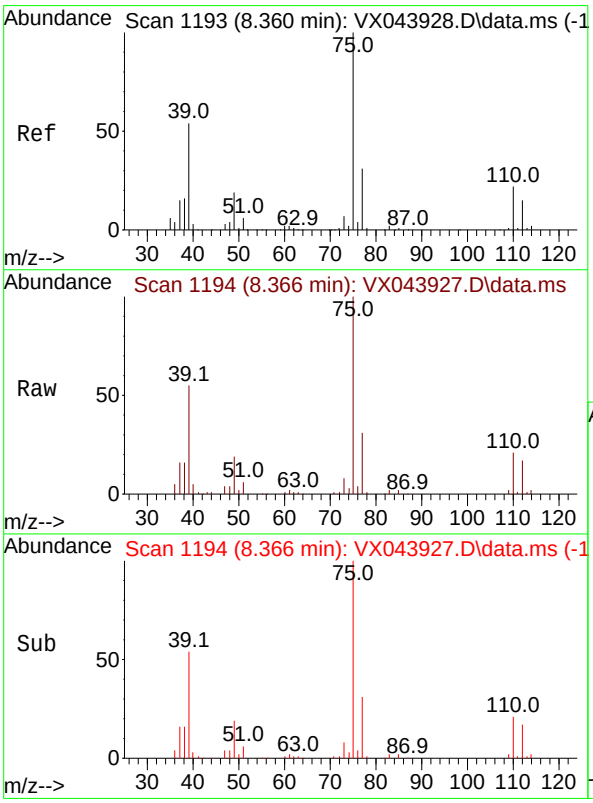
#53
t-1,3-Dichloropropene
Concen: 20.648 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 50294

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7

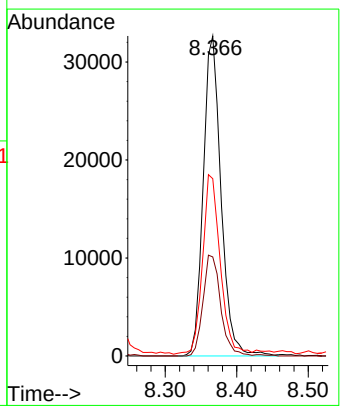


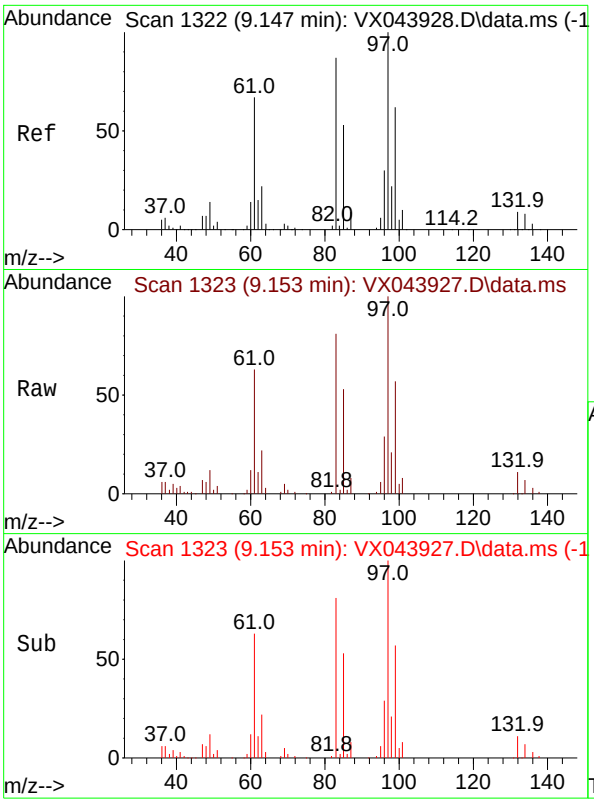


#54
cis-1,3-Dichloropropene
Concen: 21.124 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	54.6	43.1	64.7



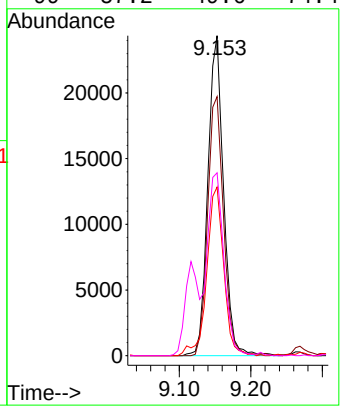


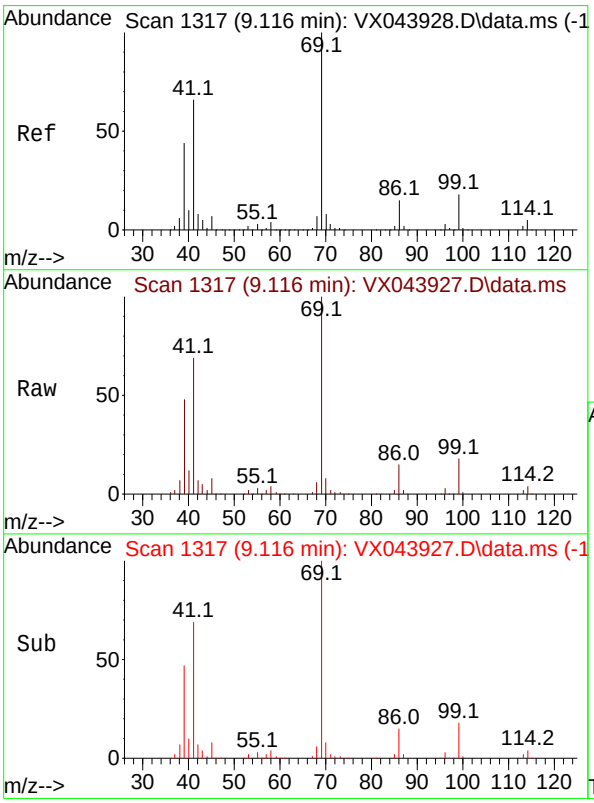
#55
1,1,2-Trichloroethane
Concen: 21.872 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 37148

Ion	Ratio	Lower	Upper
97	100		
83	81.0	69.4	104.0
85	52.7	42.3	63.5
99	57.2	49.6	74.4

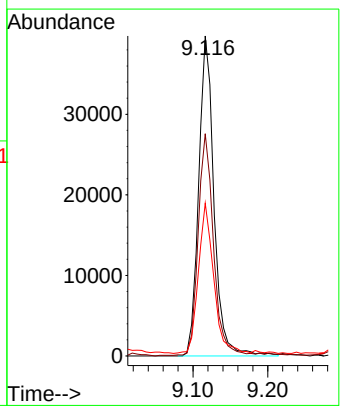


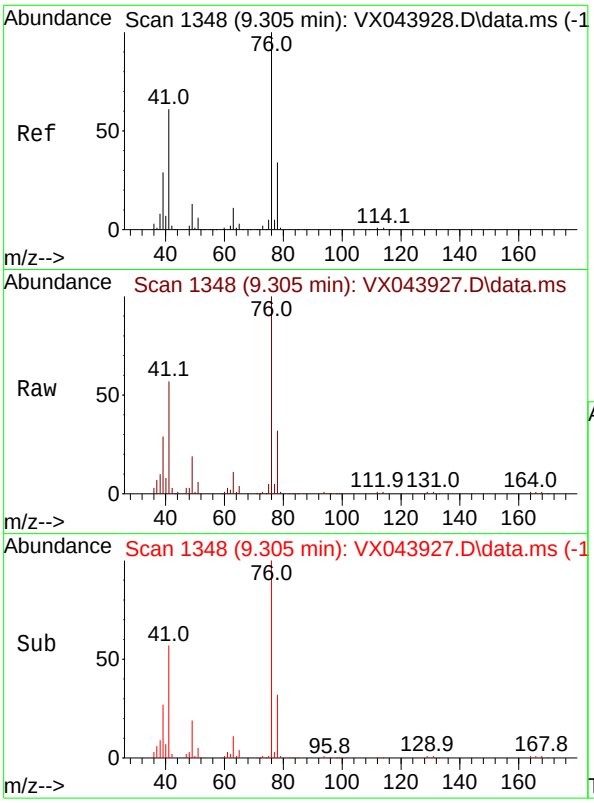


#56
Ethyl methacrylate
Concen: 21.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 69 Resp: 56585

Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.8	83.8
39	46.7	36.7	55.1



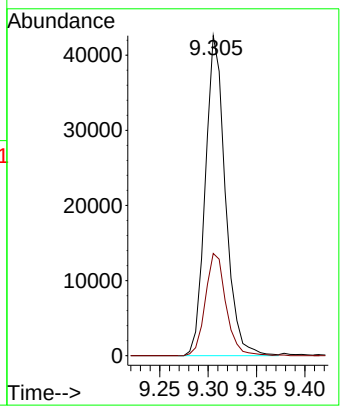


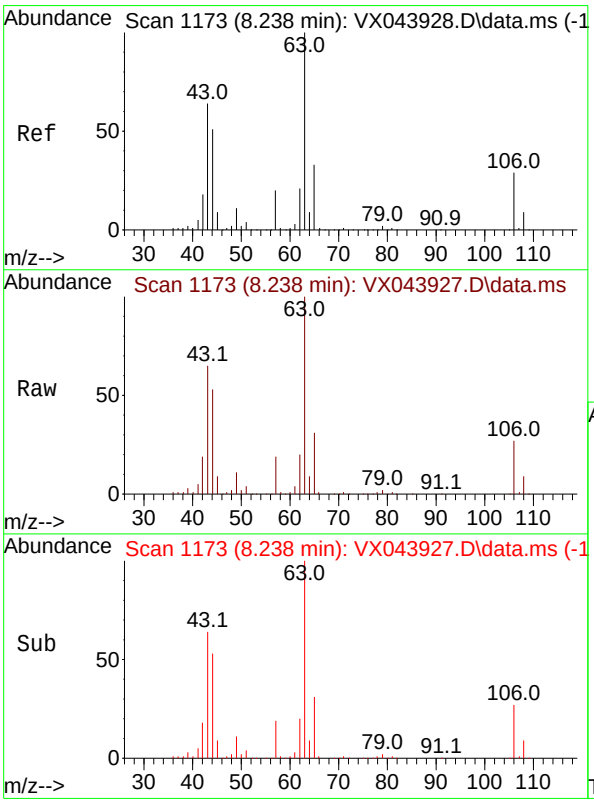
#57
1,3-Dichloropropane
Concen: 21.468 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61420

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0

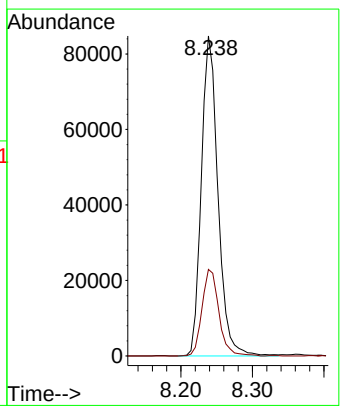


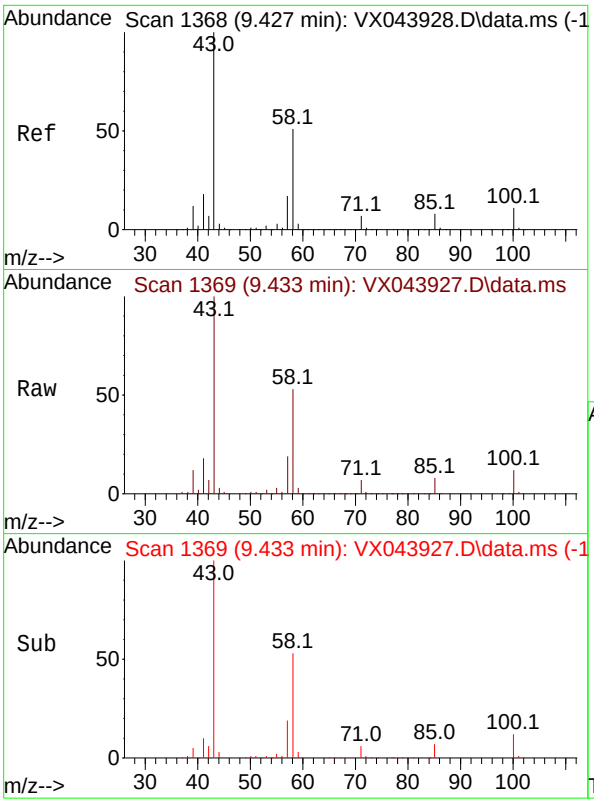


#58
2-Chloroethyl Vinyl ether
Concen: 93.712 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.0	34.6



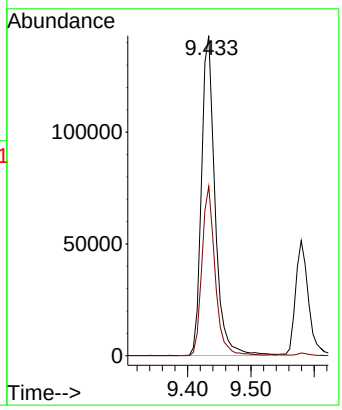


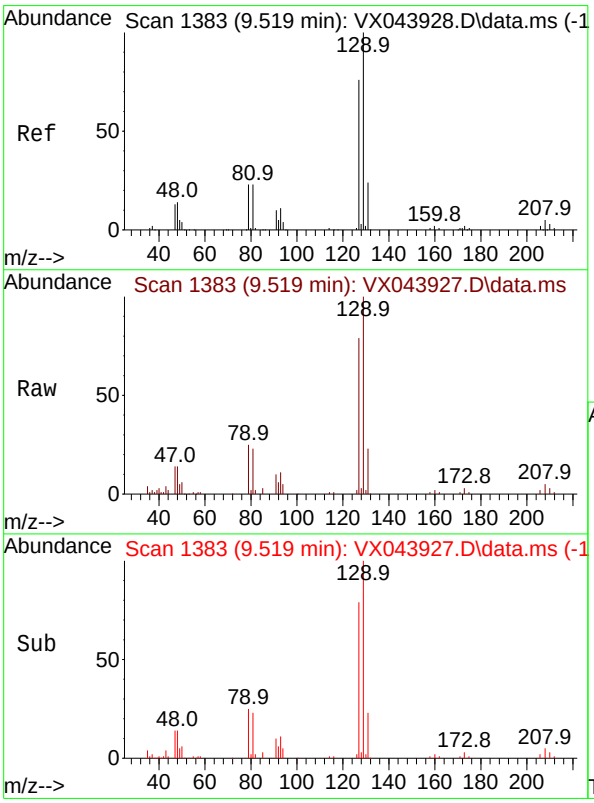
#59
2-Hexanone
Concen: 106.832 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 213629

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

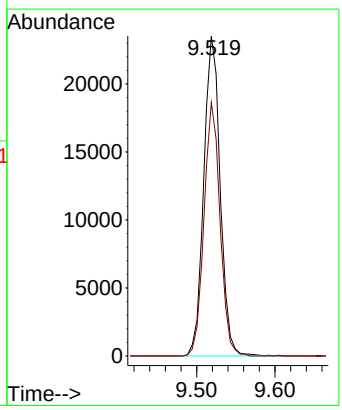


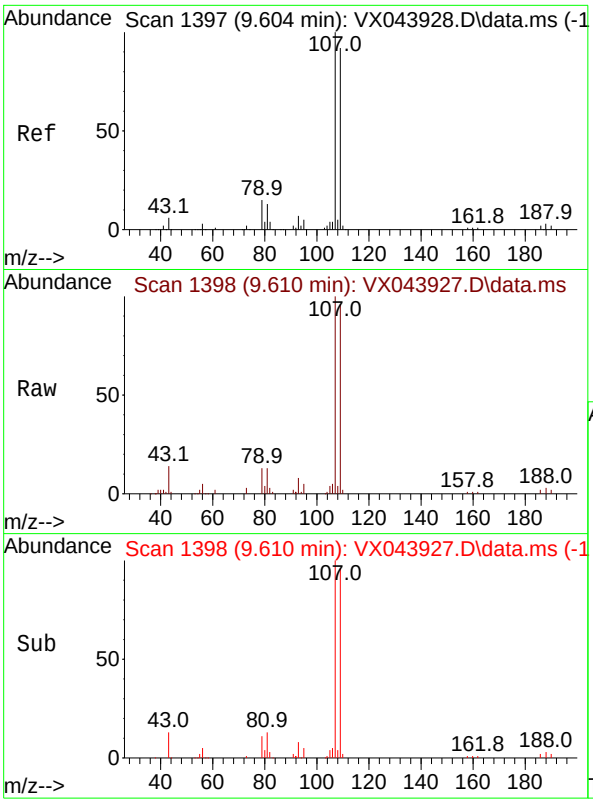


#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.2	114.6



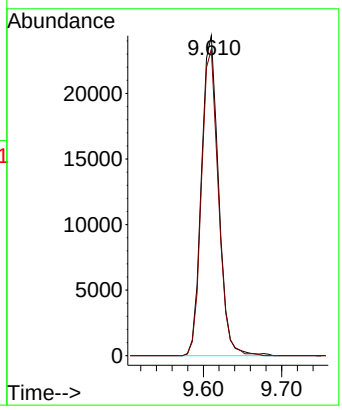


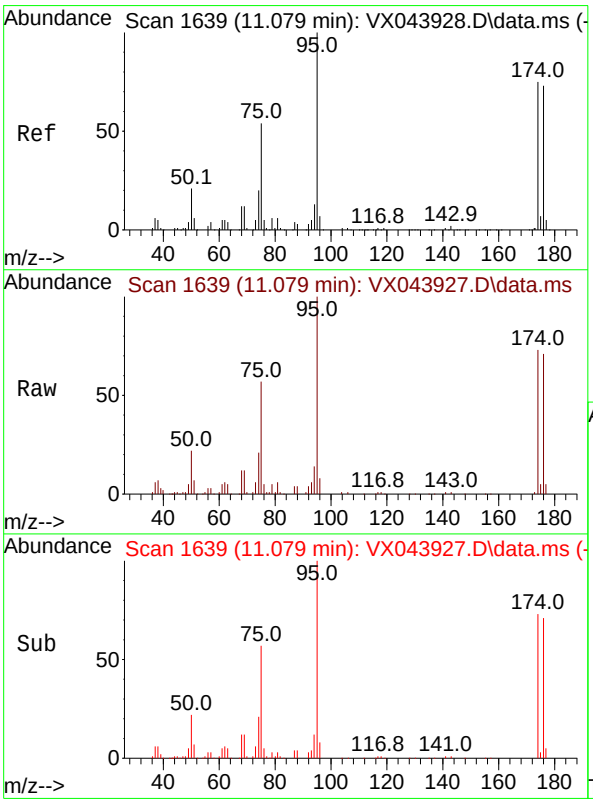
#61
1,2-Dibromoethane
Concen: 21.536 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 36985

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.2	112.8

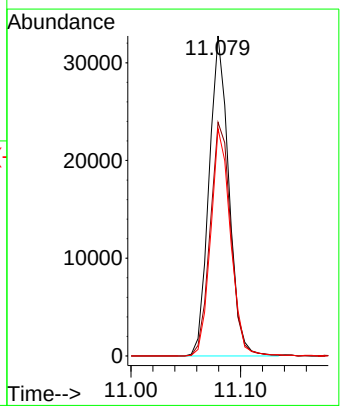


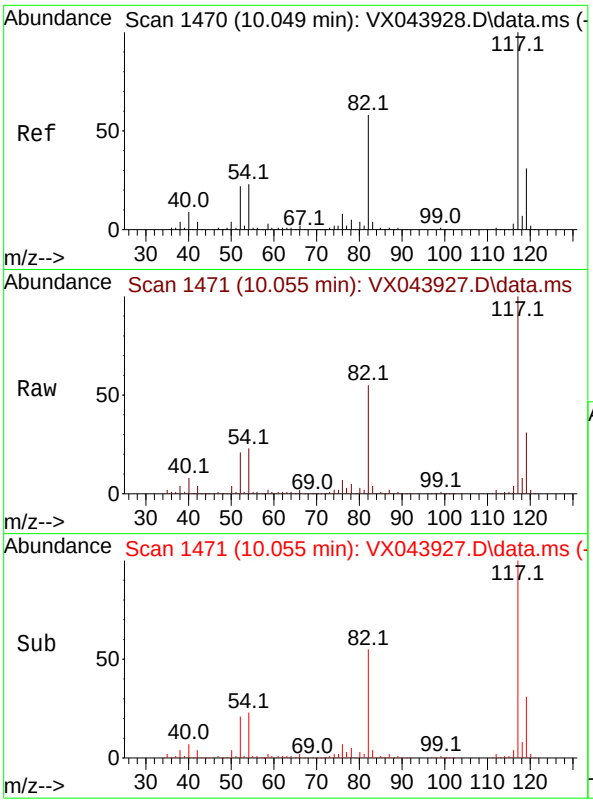


#62
4-Bromofluorobenzene
Concen: 19.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.4
176	71.1	0.0	146.0



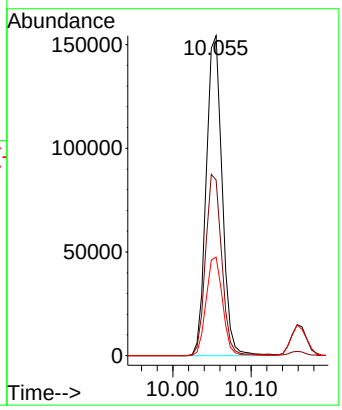


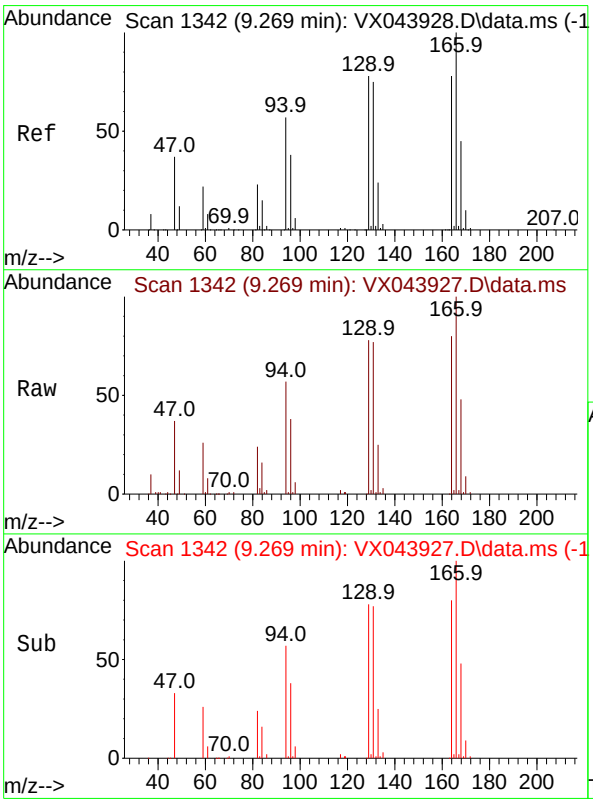
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 217871

Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.4	69.6
119	30.8	24.6	37.0

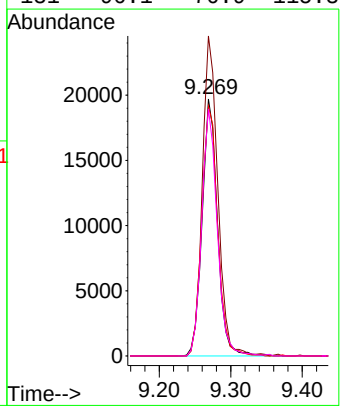


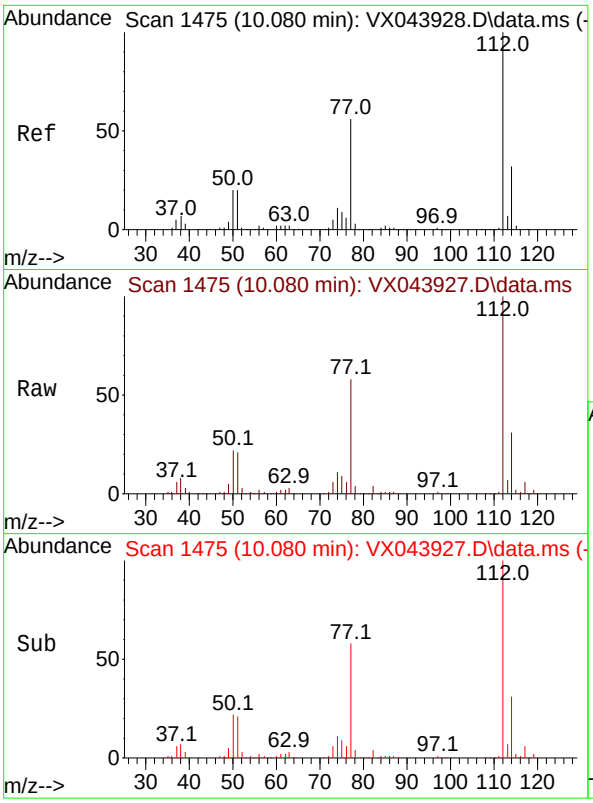


#64
Tetrachloroethene
Concen: 20.377 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.1	153.1
129	97.2	79.6	119.4
131	96.1	76.9	115.3



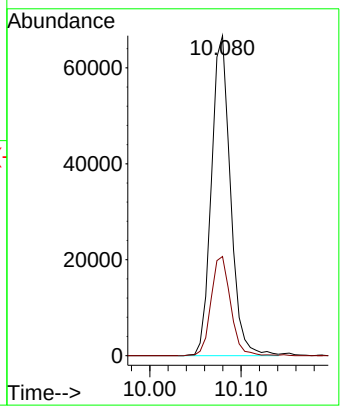


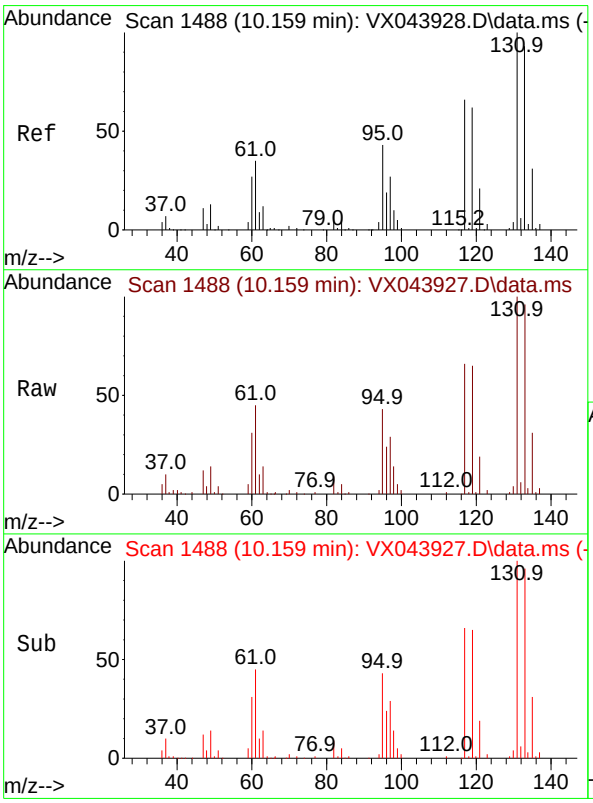
#65
Chlorobenzene
Concen: 20.160 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 96469

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

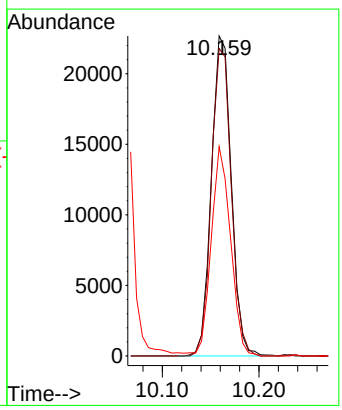


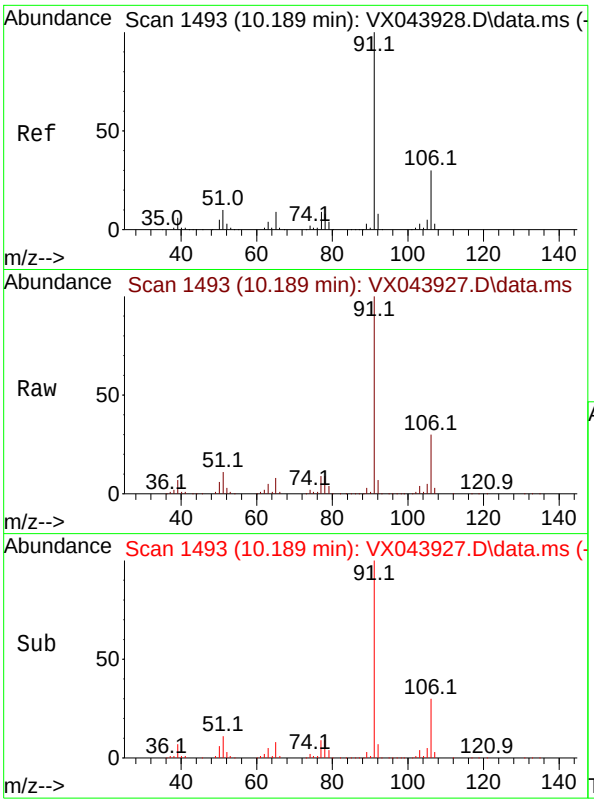


#66
1,1,1,2-Tetrachloroethane
Concen: 20.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.2	144.6
119	63.7	31.5	94.5



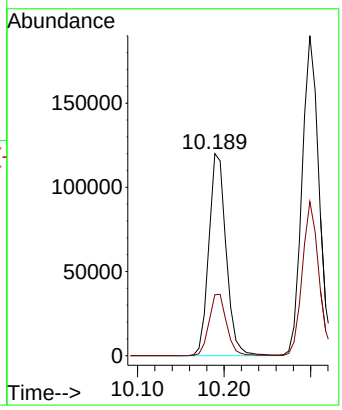


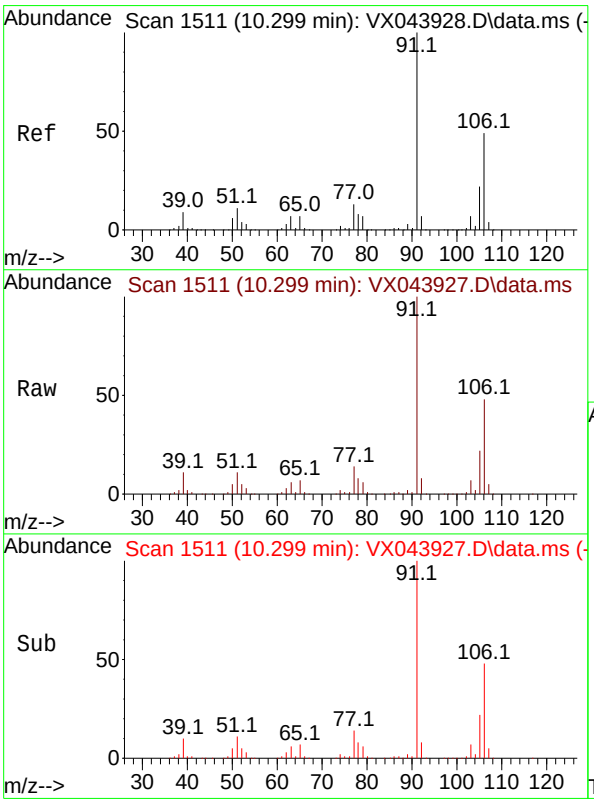
#67
Ethyl Benzene
Concen: 20.527 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166435

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.6	35.4

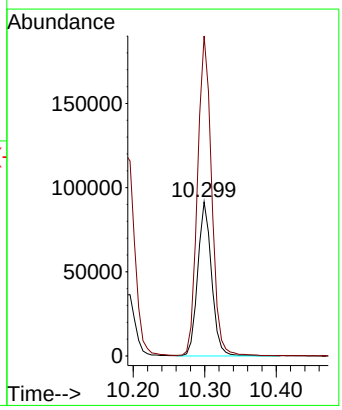


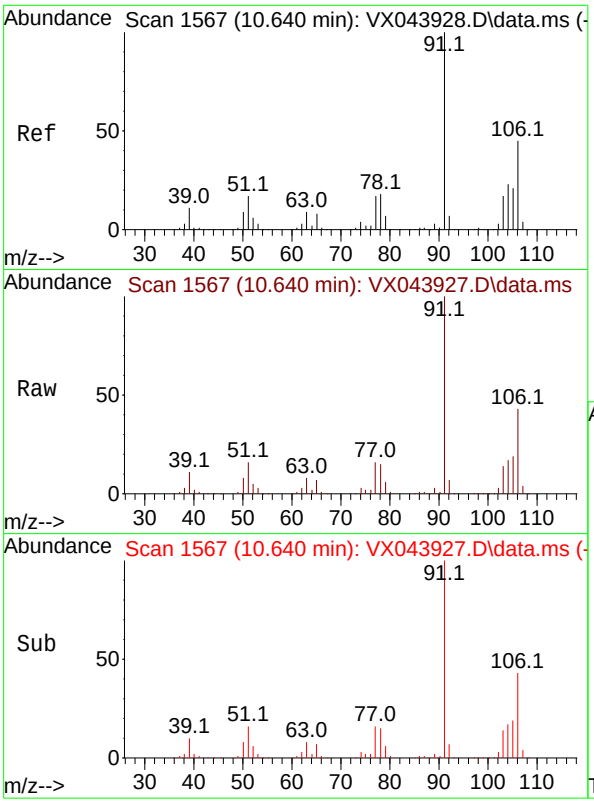


#68
m/p-Xylenes
Concen: 40.565 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

Ion	Ratio	Lower	Upper
106	100		
91	211.9	168.1	252.1



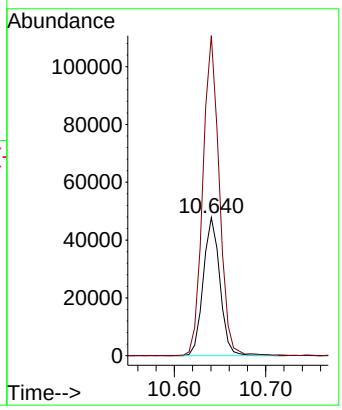


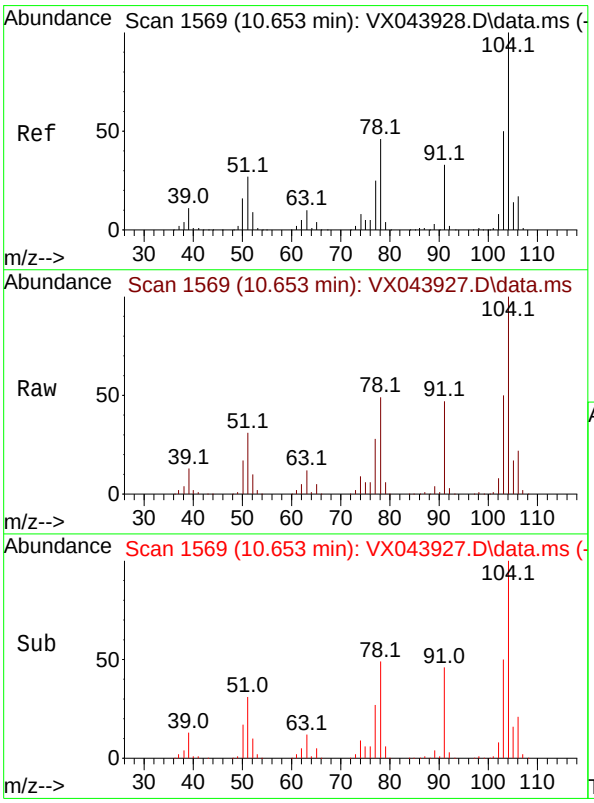
#69
o-Xylene
Concen: 20.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 60254

Ion	Ratio	Lower	Upper
106	100		
91	229.5	110.2	330.6

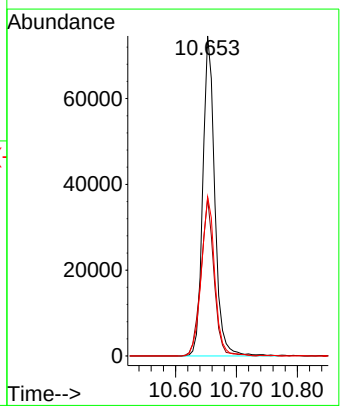


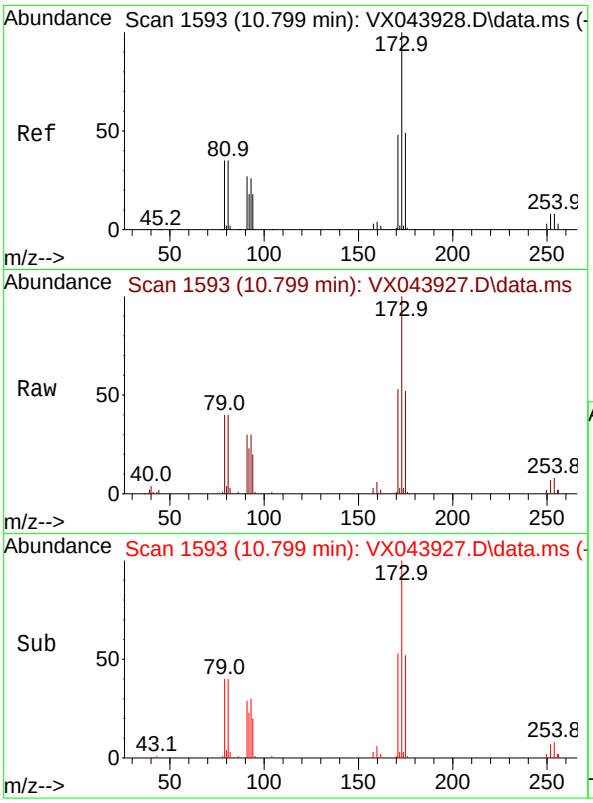


#70
Styrene
Concen: 20.956 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.2
103	55.5	44.7	67.1



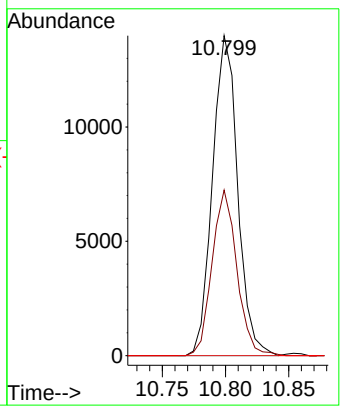


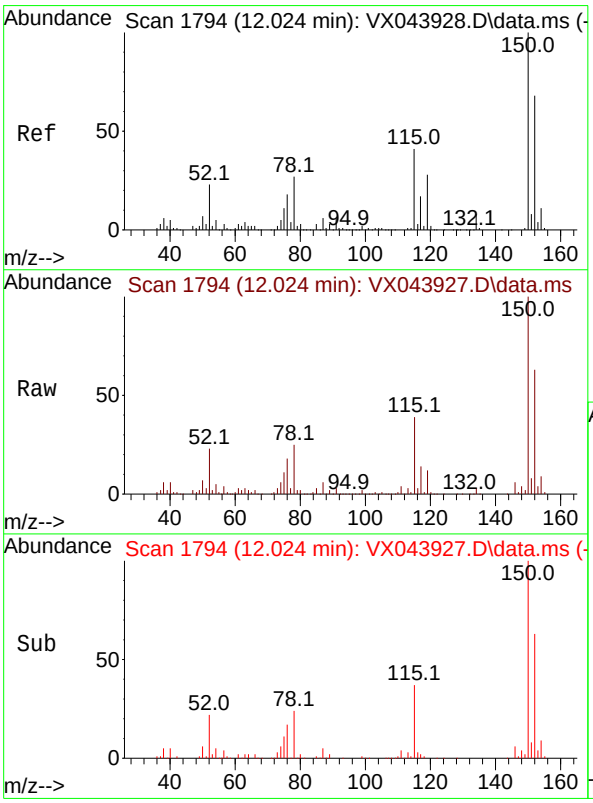
#71
Bromoform
Concen: 17.792 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 19329

Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.1	72.2
254	0.0	0.0	0.0

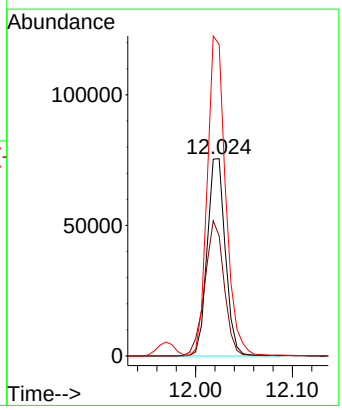


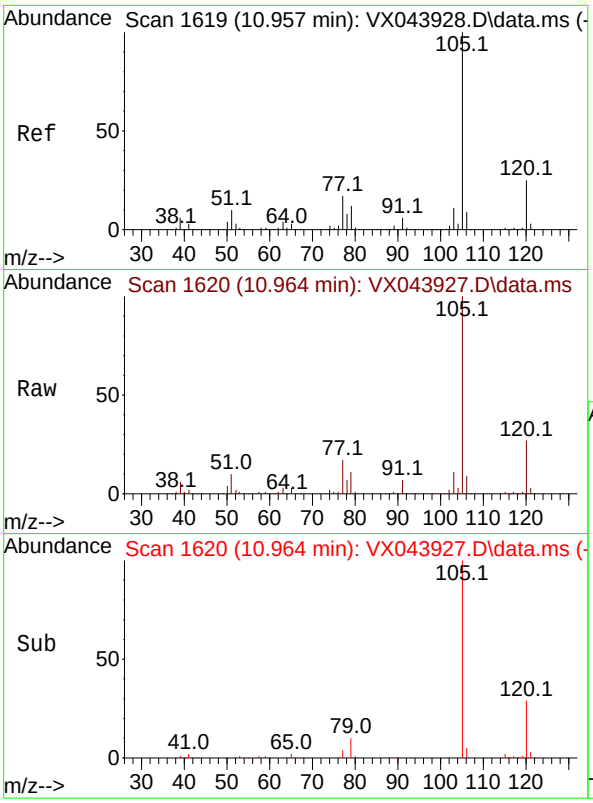


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:152 Resp: 98477

Ion	Ratio	Lower	Upper
152	100		
115	73.0	45.4	136.2
150	165.0	0.0	353.0



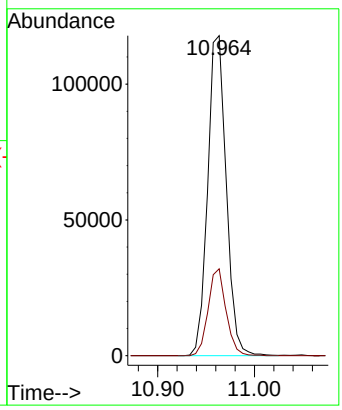


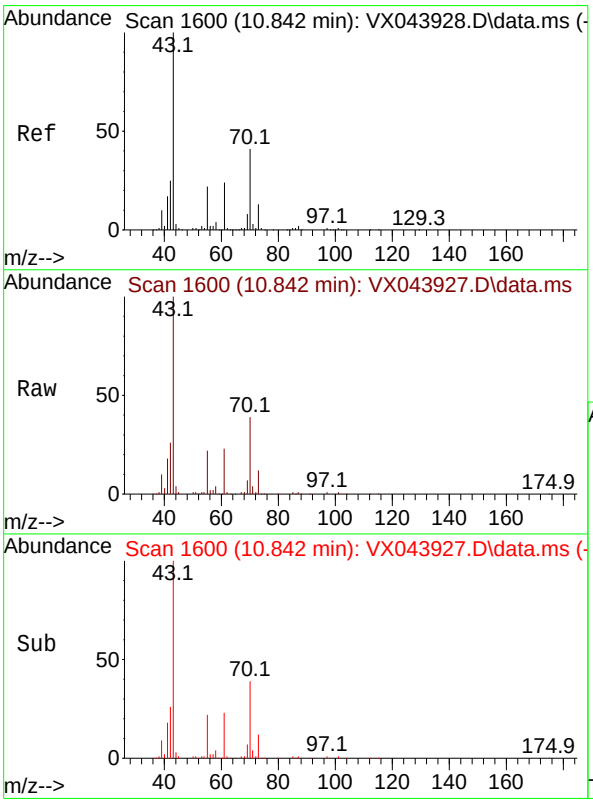
#73
Isopropylbenzene
Concen: 20.794 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 157405

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

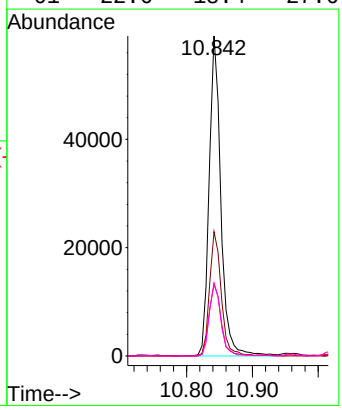


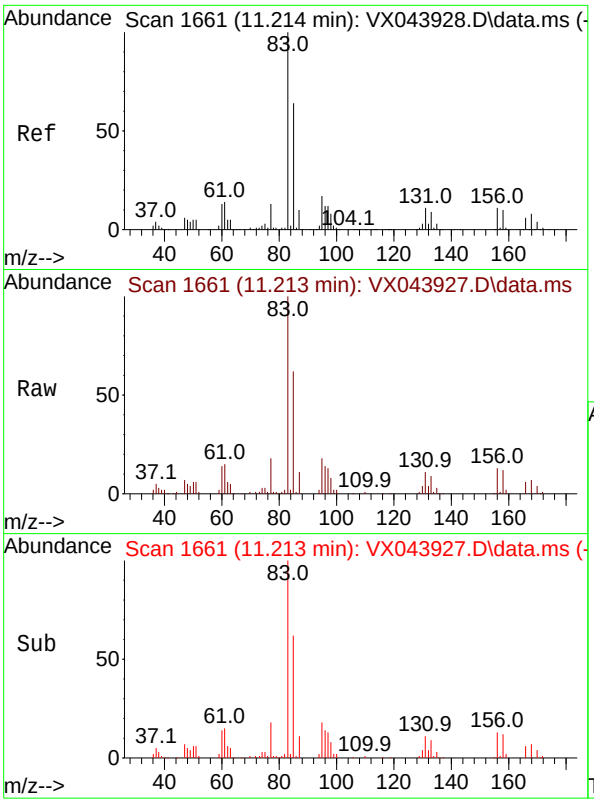


#74
N-amyl acetate
Concen: 20.967 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

Ion	Ratio	Lower	Upper
43	100		
70	39.1	32.2	48.2
55	23.3	18.1	27.1
61	22.6	18.4	27.6



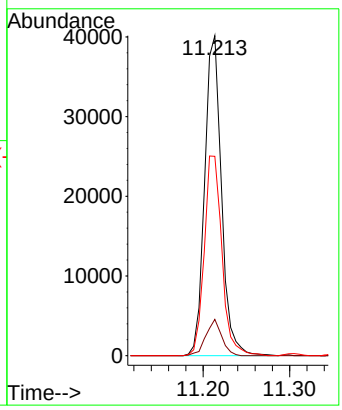


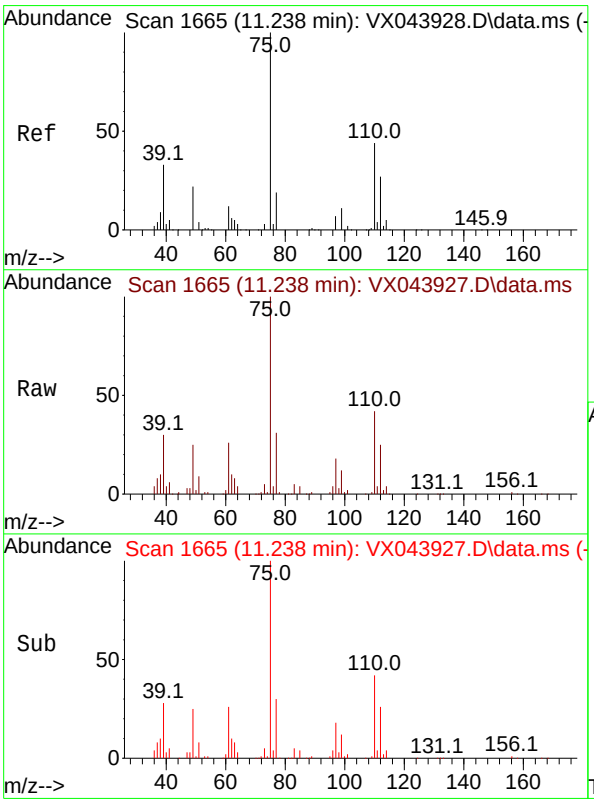
#75
1,1,2,2-Tetrachloroethane
Concen: 20.894 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 54158

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.2
85	65.7	32.2	96.6

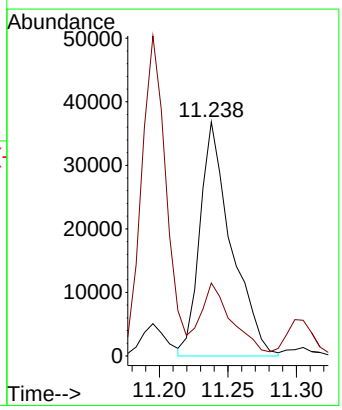


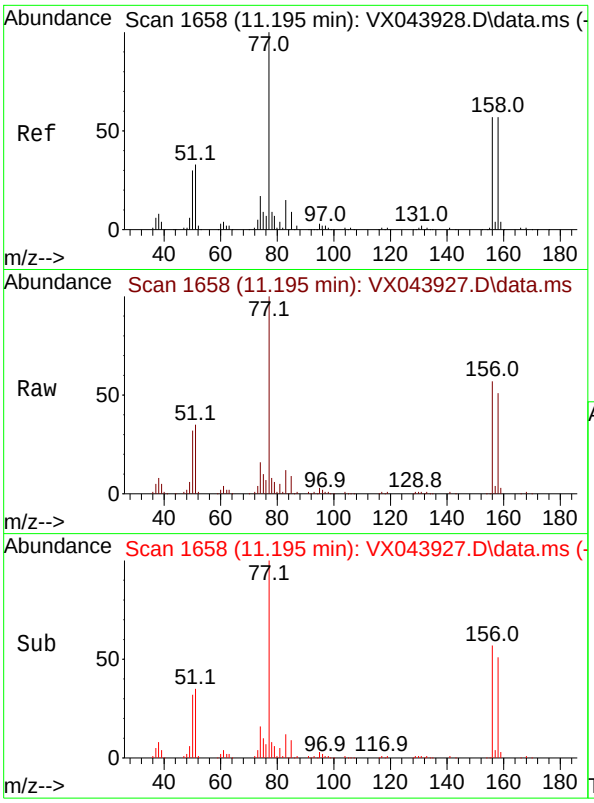


#76
1,2,3-Trichloropropane
Concen: 27.659 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 58738

Ion	Ratio	Lower	Upper
75	100		
77	31.6	21.8	65.3



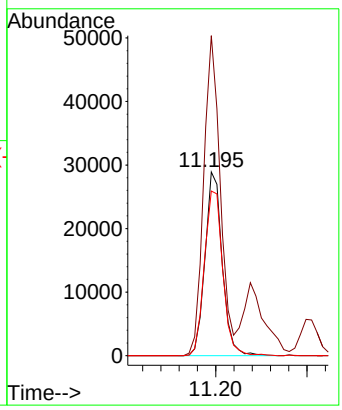


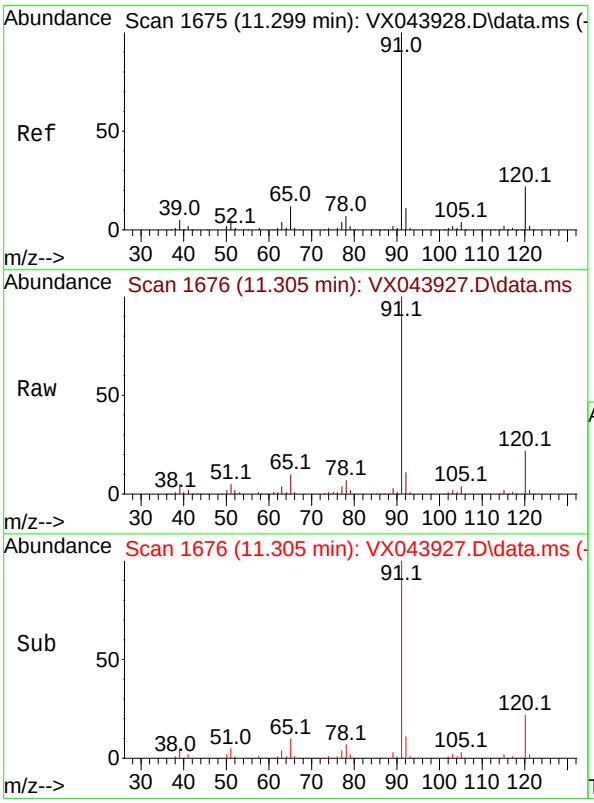
#77
Bromobenzene
Concen: 20.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 37631

Ion	Ratio	Lower	Upper
156	100		
77	167.6	83.4	250.1
158	96.0	47.6	142.8

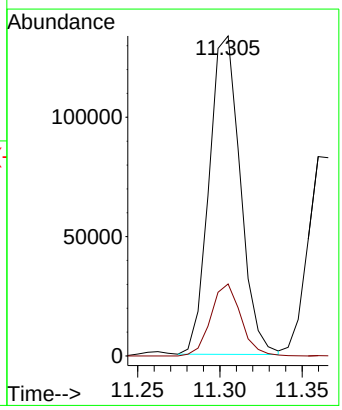


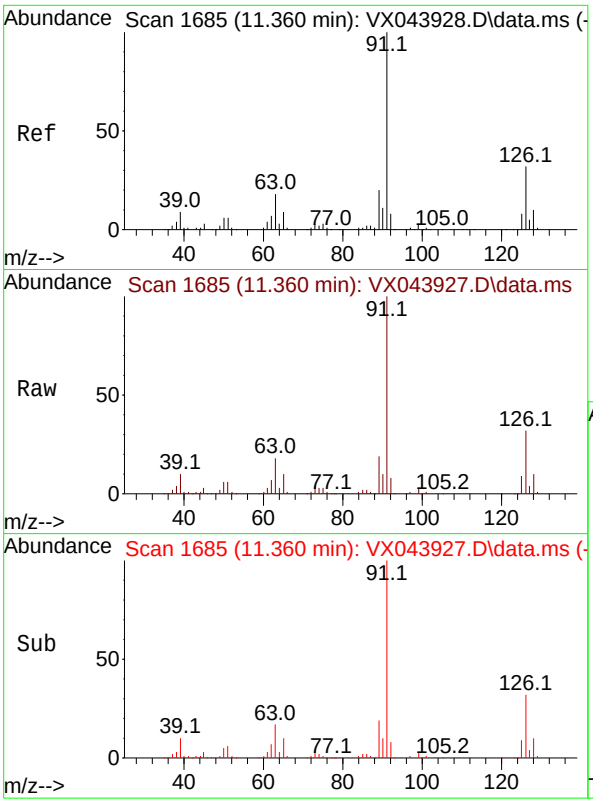


#78
n-propylbenzene
Concen: 20.821 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.4



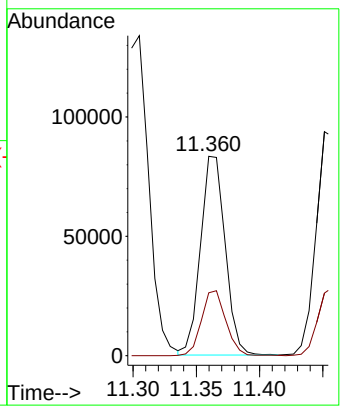


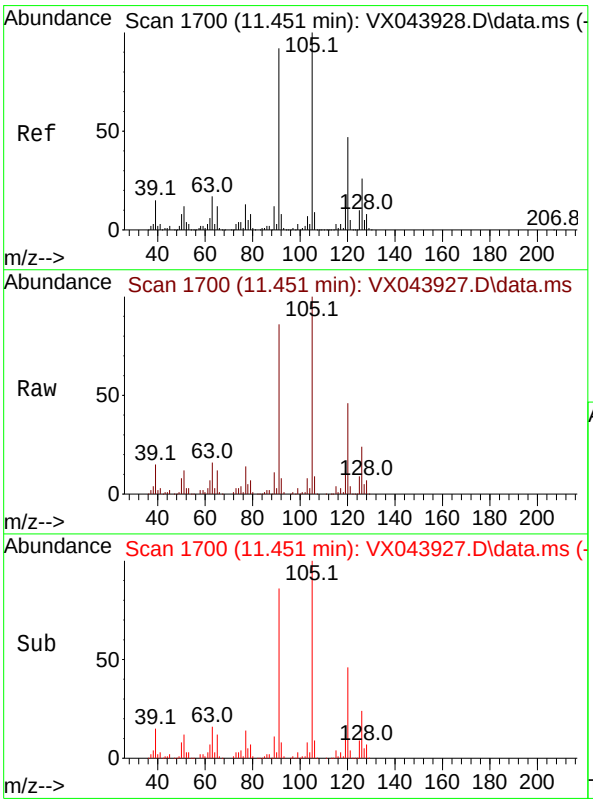
#79
2-Chlorotoluene
Concen: 21.134 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 112986

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.8

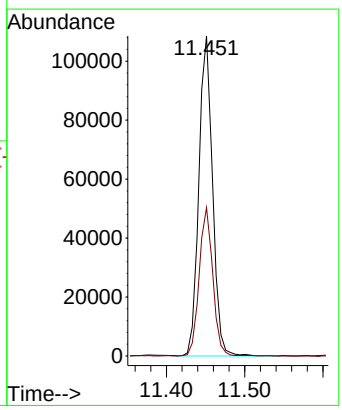


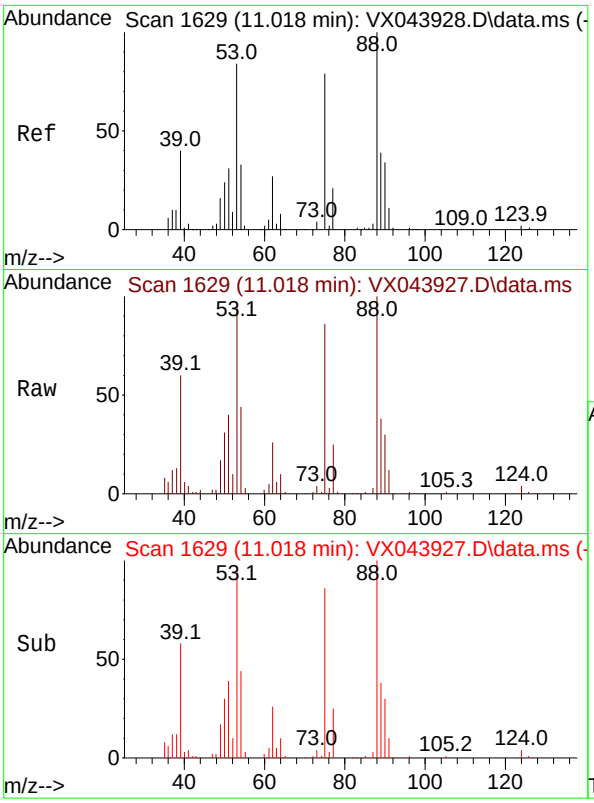


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.8



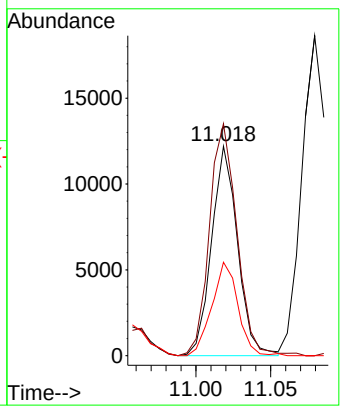


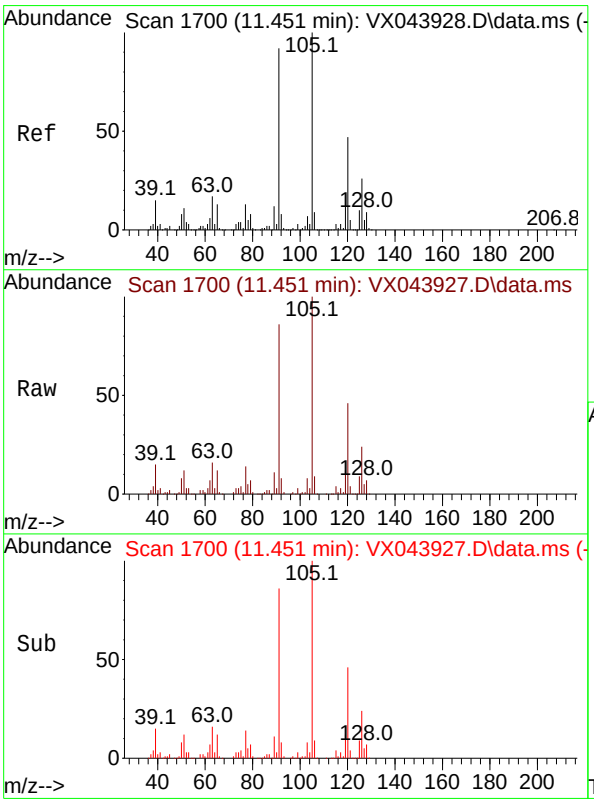
#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 14743

Ion	Ratio	Lower	Upper
75	100		
53	116.9	86.7	130.1
89	44.8	38.2	57.2

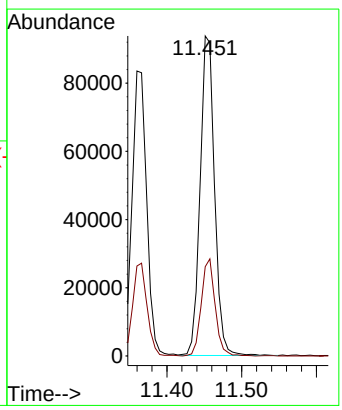


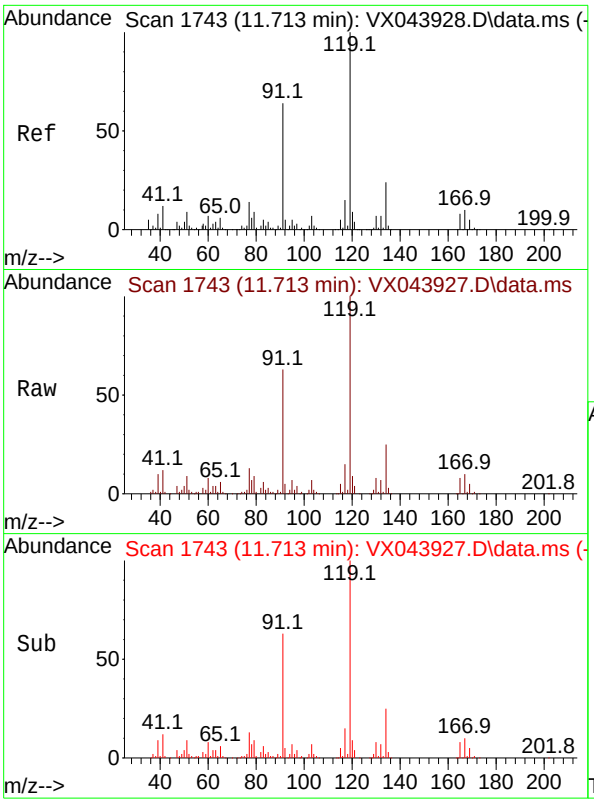


#82
4-Chlorotoluene
Concen: 20.797 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.3	42.9



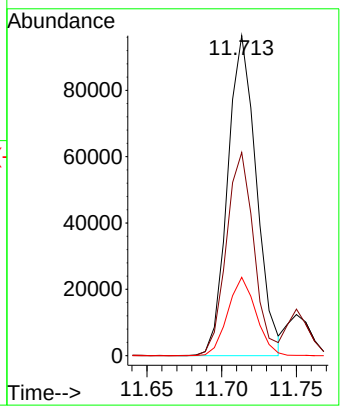


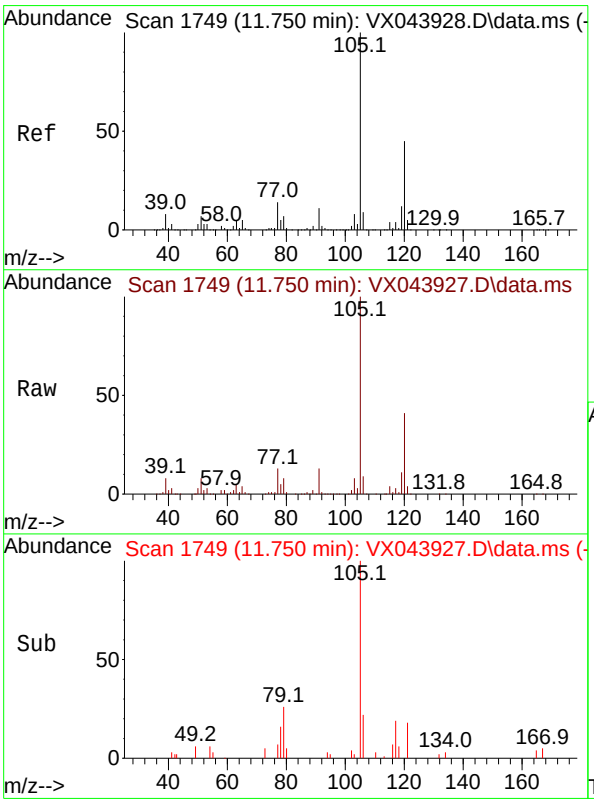
#83
tert-Butylbenzene
Concen: 20.839 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 128636

Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.0	93.0
134	24.2	11.6	34.8

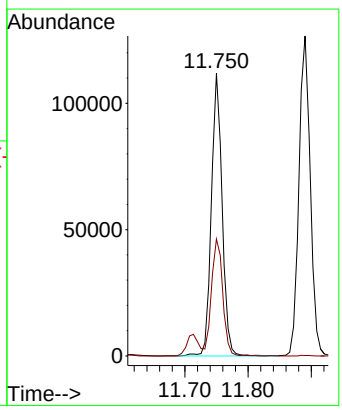


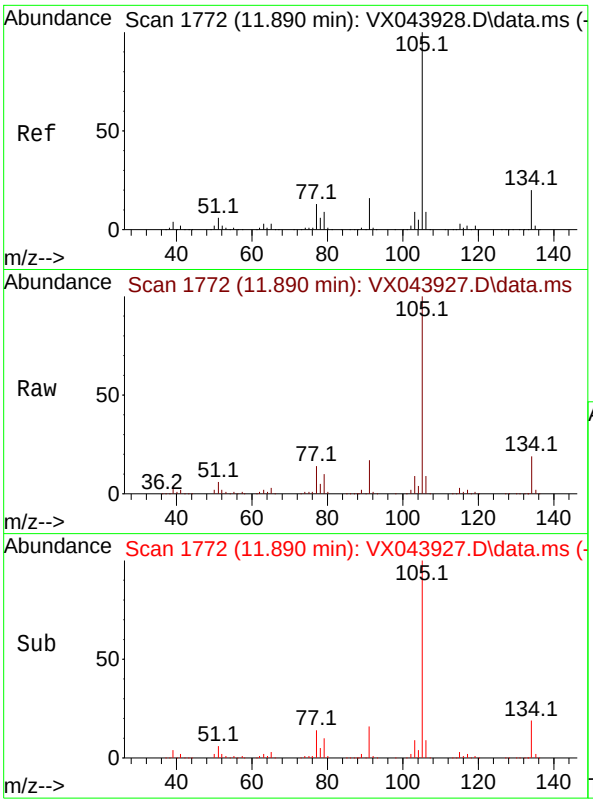


#84
1,2,4-Trimethylbenzene
Concen: 21.385 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.7



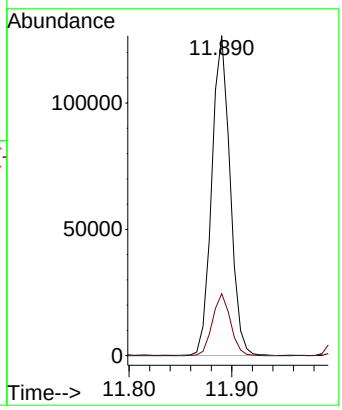


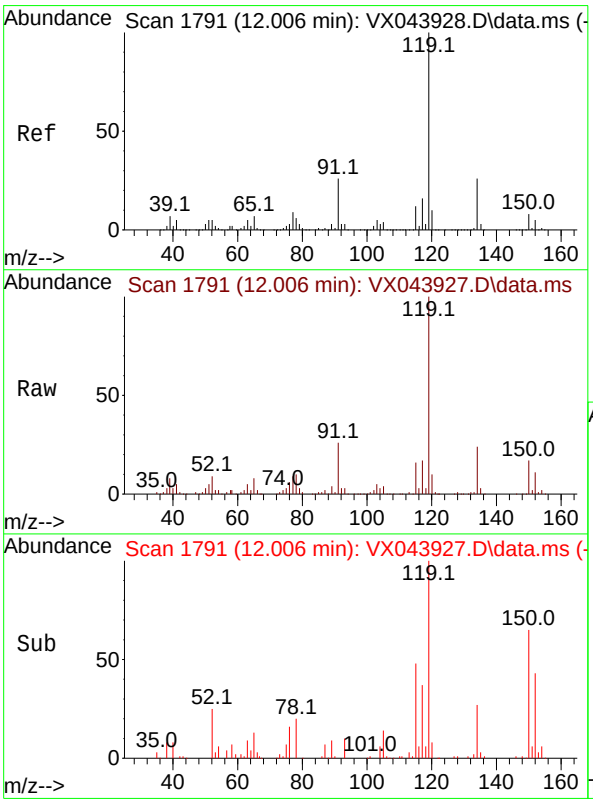
#85
sec-Butylbenzene
Concen: 20.668 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 156312

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

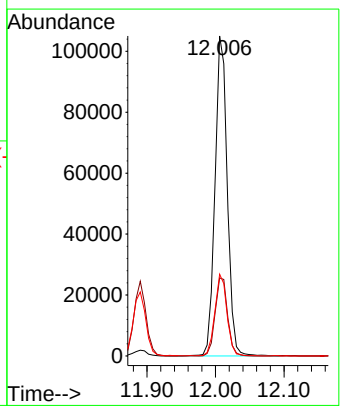


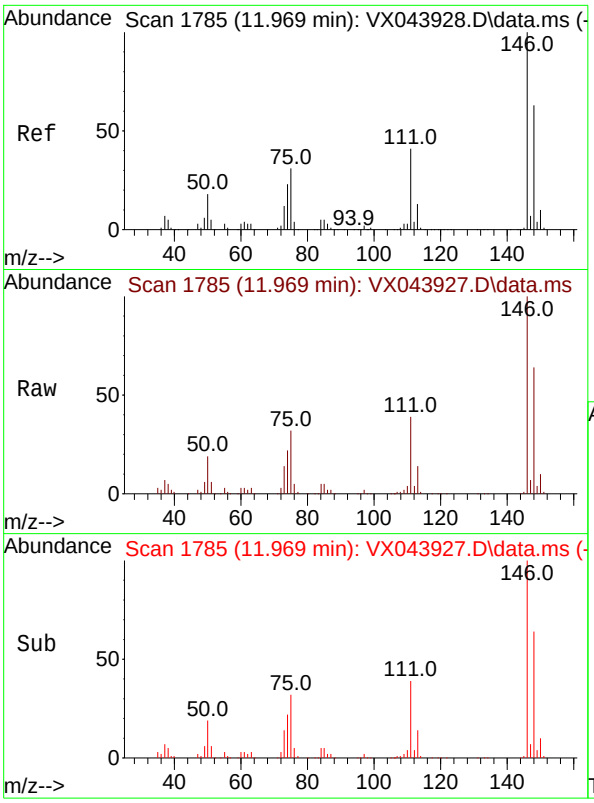


#86
p-Isopropyltoluene
Concen: 21.260 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 130605

Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	38.9
91	25.2	13.0	38.9



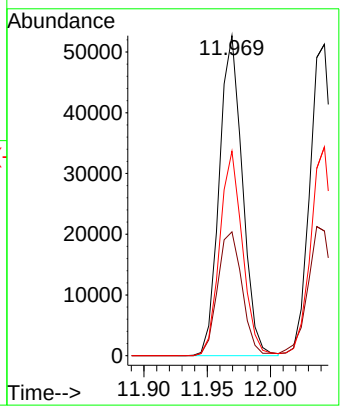


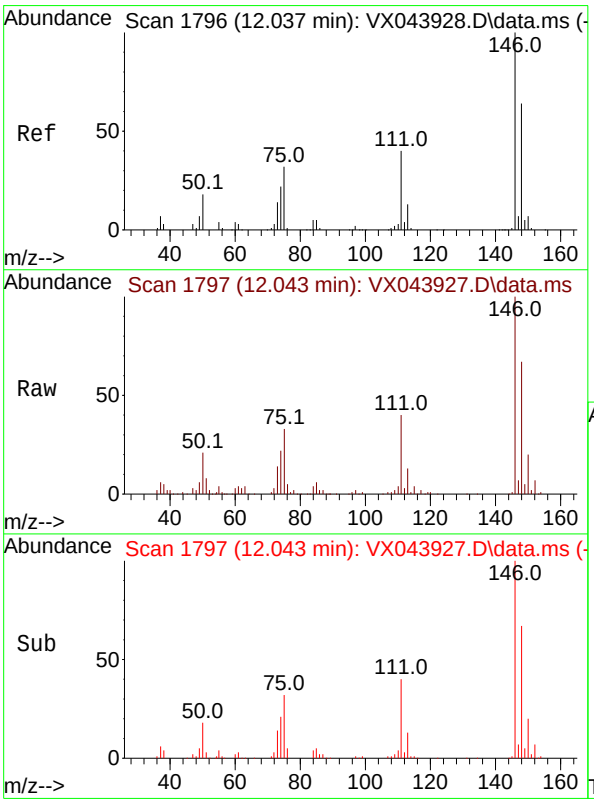
#87
1,3-Dichlorobenzene
Concen: 20.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 67003

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	62.8	31.7	95.1

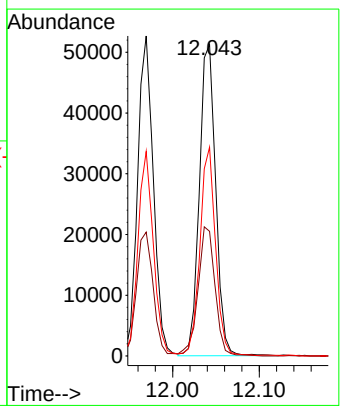


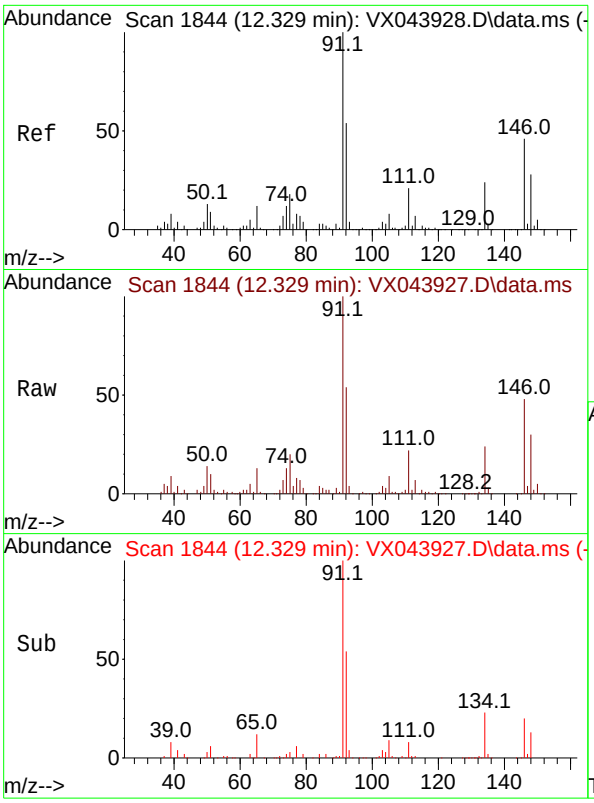


#88
1,4-Dichlorobenzene
Concen: 20.118 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.1	60.3
148	64.1	30.9	92.8



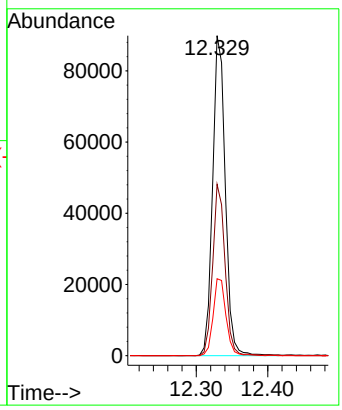


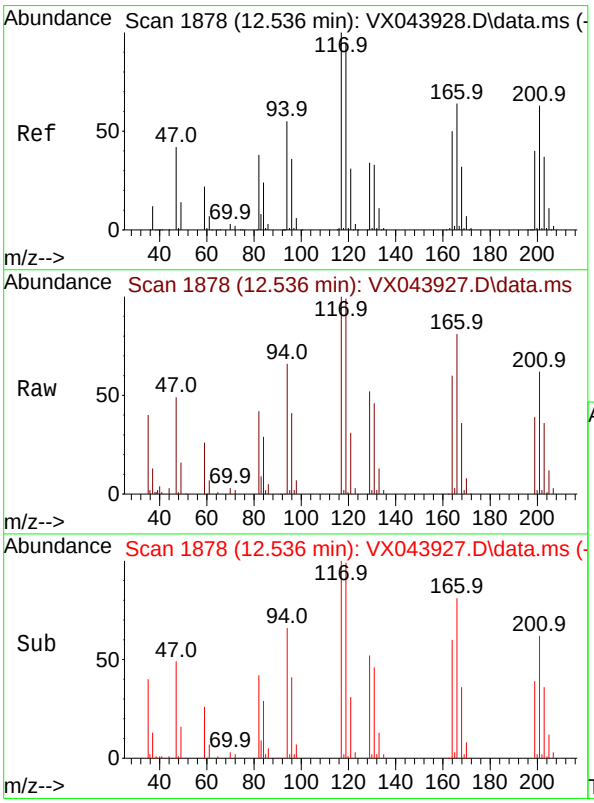
#89
n-Butylbenzene
Concen: 20.399 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 110491

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.8
134	24.4	12.4	37.2

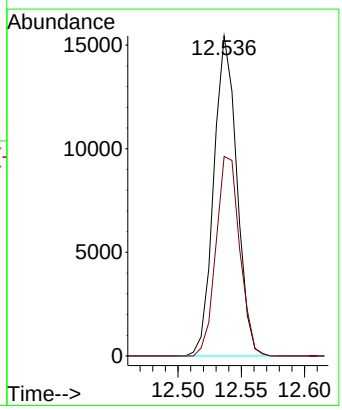


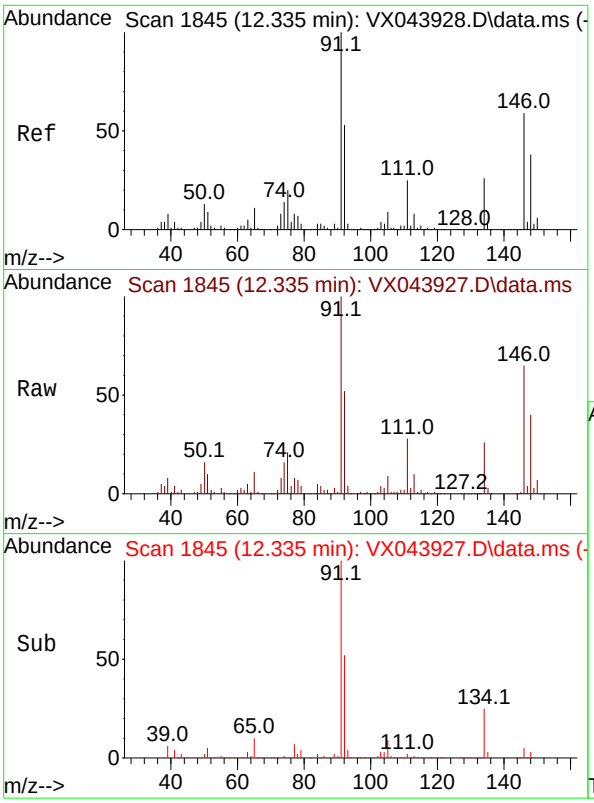


#90
Hexachloroethane
Concen: 18.712 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

Ion	Ratio	Lower	Upper
117	100		
201	64.5	32.4	97.0



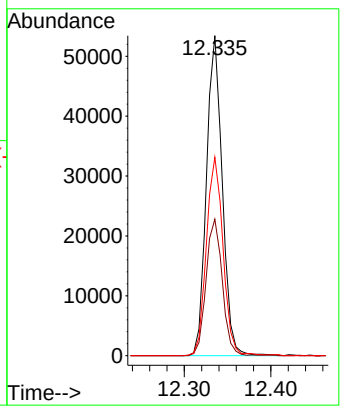


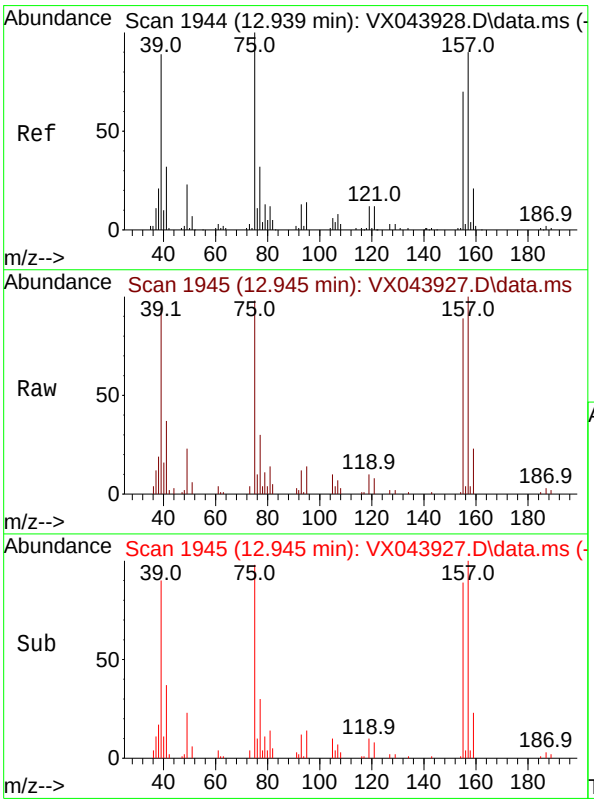
#91
1,2-Dichlorobenzene
Concen: 20.443 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 67852

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	65.4	31.9	95.5

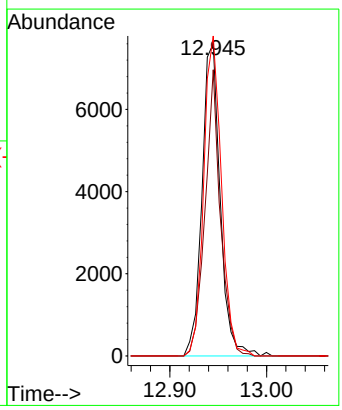


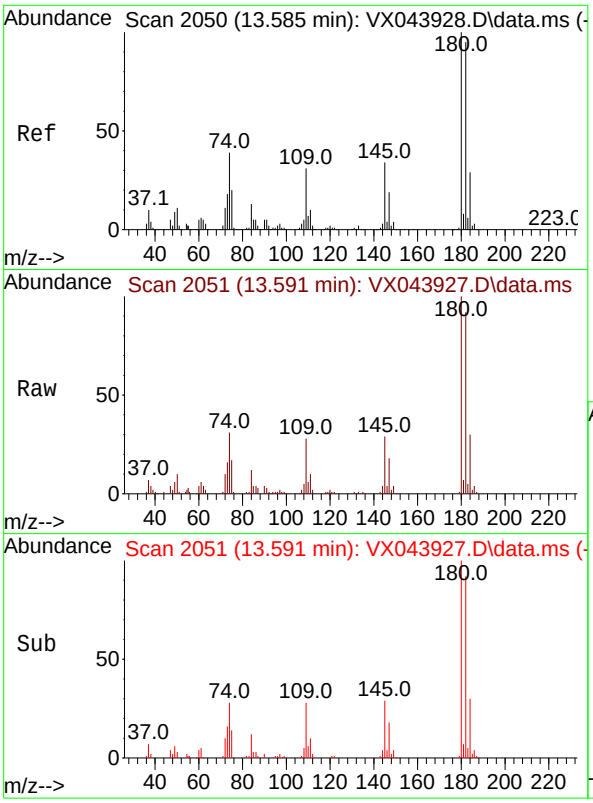


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.137 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 9939

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.1	120.2
157	100.2	49.6	149.0



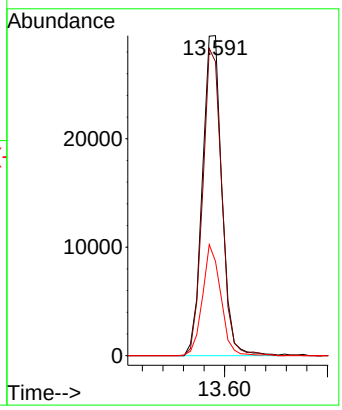


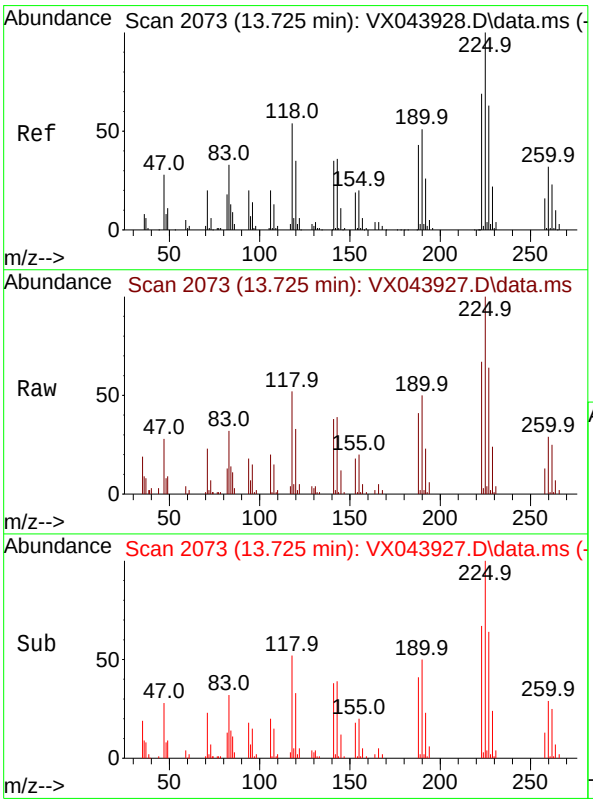
#93
1,2,4-Trichlorobenzene
Concen: 19.862 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 38866

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	32.7	16.8	50.4

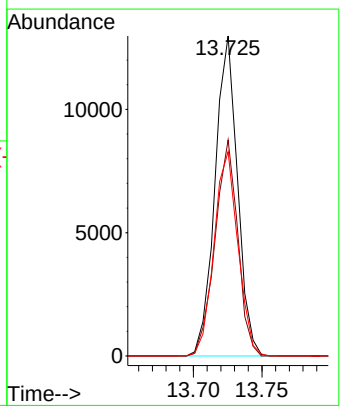


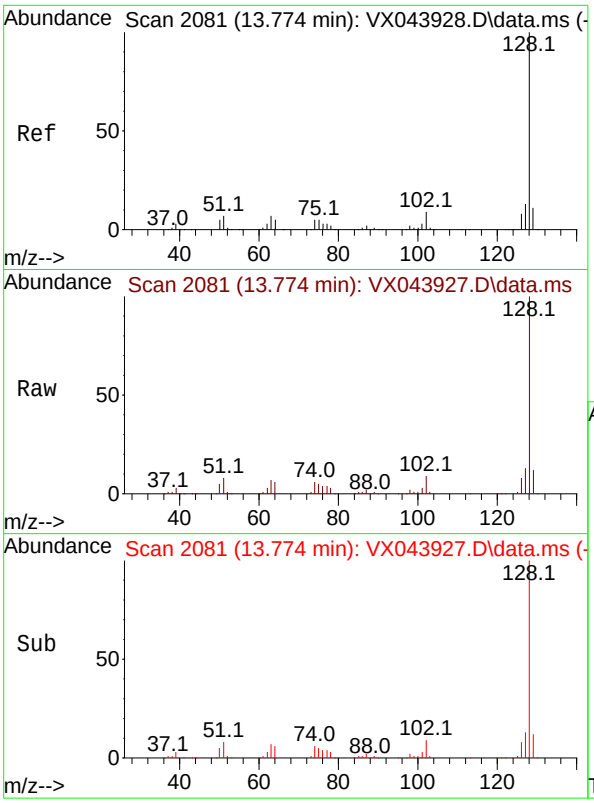


#94
Hexachlorobutadiene
Concen: 19.160 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:225 Resp: 14818

Ion	Ratio	Lower	Upper
225	100		
223	67.9	32.9	98.6
227	67.6	31.6	94.8



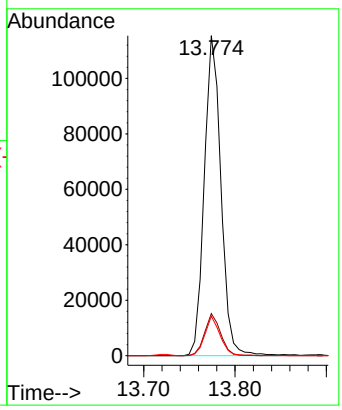


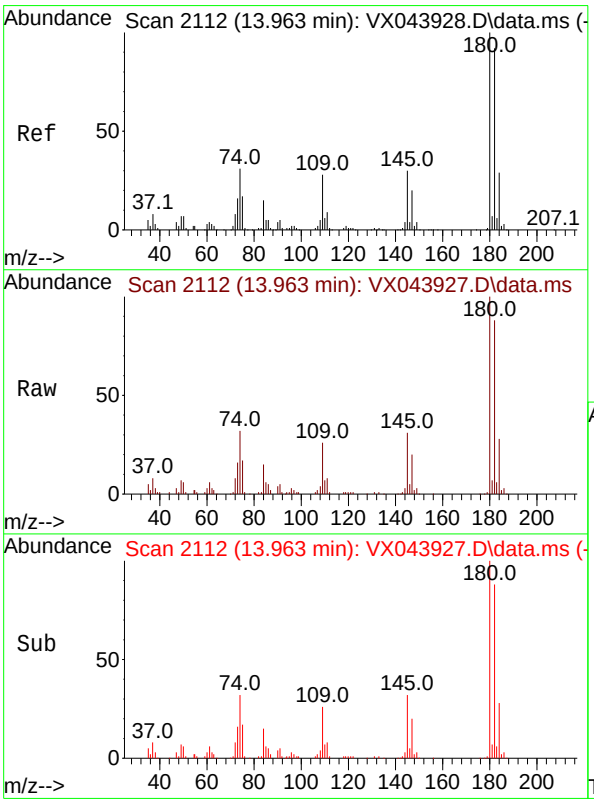
#95
Naphthalene
Concen: 20.681 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 145678

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.3	8.6	12.8

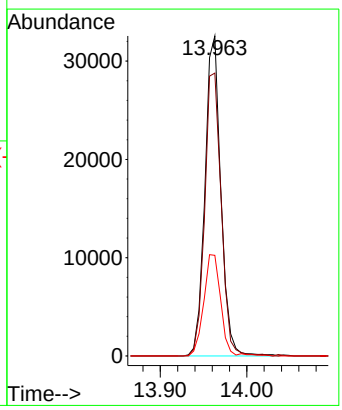




#96
1,2,3-Trichlorobenzene
Concen: 20.981 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554

Ion	Ratio	Lower	Upper
180	100		
182	91.6	45.6	136.8
145	33.9	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104086	43.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.580%		
35) Dibromofluoromethane	5.379	113	78954	45.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.460%		
50) Toluene-d8	8.641	98	266650	44.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.600%		
62) 4-Bromofluorobenzene	11.079	95	93510	46.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	94790	53.994	ug/l	100
3) Chloromethane	1.295	50	96646	52.315	ug/l	100
4) Vinyl Chloride	1.374	62	105586	53.734	ug/l	100
5) Bromomethane	1.593	94	61728	51.065	ug/l	100
6) Chloroethane	1.660	64	63580	53.102	ug/l	100
7) Trichlorofluoromethane	1.868	101	188045	53.527	ug/l	100
8) Diethyl Ether	2.130	74	65665	51.283	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	54.404	ug/l	100
10) Methyl Iodide	2.441	142	112083	53.554	ug/l	100
11) Tert butyl alcohol	2.995	59	100130	262.460	ug/l	100
12) 1,1-Dichloroethene	2.307	96	83087	52.033	ug/l	100
13) Acrolein	2.233	56	100647	250.289	ug/l	100
14) Allyl chloride	2.654	41	144663	55.443	ug/l	100
15) Acrylonitrile	3.063	53	256493	275.887	ug/l	100
16) Acetone	2.380	43	294611	269.872	ug/l	100
17) Carbon Disulfide	2.502	76	178294	54.130	ug/l	100
18) Methyl Acetate	2.703	43	136735	53.785	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	313754	54.114	ug/l	100
20) Methylene Chloride	2.782	84	92475	49.918	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	87752	53.227	ug/l	100
22) Diisopropyl ether	3.758	45	299631	53.704	ug/l	100
23) Vinyl Acetate	3.715	43	1344870	281.781	ug/l	100
24) 1,1-Dichloroethane	3.599	63	174008	54.063	ug/l	100
25) 2-Butanone	4.556	43	392575	278.700	ug/l	100
26) 2,2-Dichloropropane	4.465	77	158151	54.407	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	109742	53.852	ug/l	100
28) Bromochloromethane	4.885	49	62386	44.034	ug/l	100
29) Tetrahydrofuran	5.001	42	234208	271.213	ug/l	100
30) Chloroform	5.080	83	182404	52.691	ug/l	100
31) Cyclohexane	5.458	56	144224	54.443	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	164023	54.944	ug/l	100
36) 1,1-Dichloropropene	5.678	75	119269	55.435	ug/l	100
37) Ethyl Acetate	4.709	43	147393	55.189	ug/l	100
38) Carbon Tetrachloride	5.666	117	134725	55.729	ug/l	100
39) Methylcyclohexane	7.373	83	158586	56.738	ug/l	100
40) Benzene	6.025	78	360978	53.863	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	79507	58.165	ug/l		100
42) 1,2-Dichloroethane	6.074	62	145681	54.125	ug/l		100
43) Isopropyl Acetate	6.336	43	235856	55.492	ug/l		100
44) Trichloroethene	7.117	130	90015	47.447	ug/l		100
45) 1,2-Dichloropropane	7.422	63	89529	54.543	ug/l		100
46) Dibromomethane	7.574	93	70679	54.434	ug/l		100
47) Bromodichloromethane	7.818	83	131365	56.411	ug/l		100
48) Methyl methacrylate	7.690	41	112803	55.310	ug/l		100
49) 1,4-Dioxane	7.659	88	33402	949.925	ug/l		88
51) 4-Methyl-2-Pentanone	8.574	43	732582	282.442	ug/l		100
52) Toluene	8.714	92	222500	55.469	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	137451	57.881	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	147638	56.712	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	89441	54.016	ug/l		100
56) Ethyl methacrylate	9.116	69	148281	57.494	ug/l		100
57) 1,3-Dichloropropane	9.305	76	151124	54.180	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	262.805	ug/l		100
59) 2-Hexanone	9.427	43	568460	291.589	ug/l		100
60) Dibromochloromethane	9.519	129	95641	57.569	ug/l		100
61) 1,2-Dibromoethane	9.604	107	92940	55.510	ug/l		100
64) Tetrachloroethene	9.269	164	74157	52.988	ug/l		100
65) Chlorobenzene	10.080	112	243080	52.147	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	55.520	ug/l		100
67) Ethyl Benzene	10.189	91	429559	54.383	ug/l		100
68) m/p-Xylenes	10.299	106	323661	109.878	ug/l		100
69) o-Xylene	10.640	106	160643	55.856	ug/l		100
70) Styrene	10.653	104	268004	56.341	ug/l		100
71) Bromoform	10.799	173	60267	52.275	ug/l	#	100
73) Isopropylbenzene	10.957	105	411000	53.299	ug/l		100
74) N-amyl acetate	10.842	43	200195	56.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	52.930	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	157199	72.666	ug/l		83
77) Bromobenzene	11.195	156	97761	53.145	ug/l		100
78) n-propylbenzene	11.299	91	474802	55.131	ug/l		100
79) 2-Chlorotoluene	11.360	91	286649	52.636	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	54.465	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	55.136	ug/l		100
82) 4-Chlorotoluene	11.451	91	333946	54.315	ug/l		100
83) tert-Butylbenzene	11.713	119	345112	54.884	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	345112	54.640	ug/l		100
85) sec-Butylbenzene	11.890	105	426284	55.331	ug/l		100
86) p-Isopropyltoluene	12.006	119	353256	56.448	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	176936	52.812	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	178728	52.530	ug/l		100
89) n-Butylbenzene	12.329	91	319448	57.897	ug/l		100
90) Hexachloroethane	12.536	117	59010	55.453	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	177334	52.449	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	53.806	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.556	ug/l		100
94) Hexachlorobutadiene	13.725	225	41267	52.382	ug/l		100
95) Naphthalene	13.774	128	401752	55.990	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	55.593	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

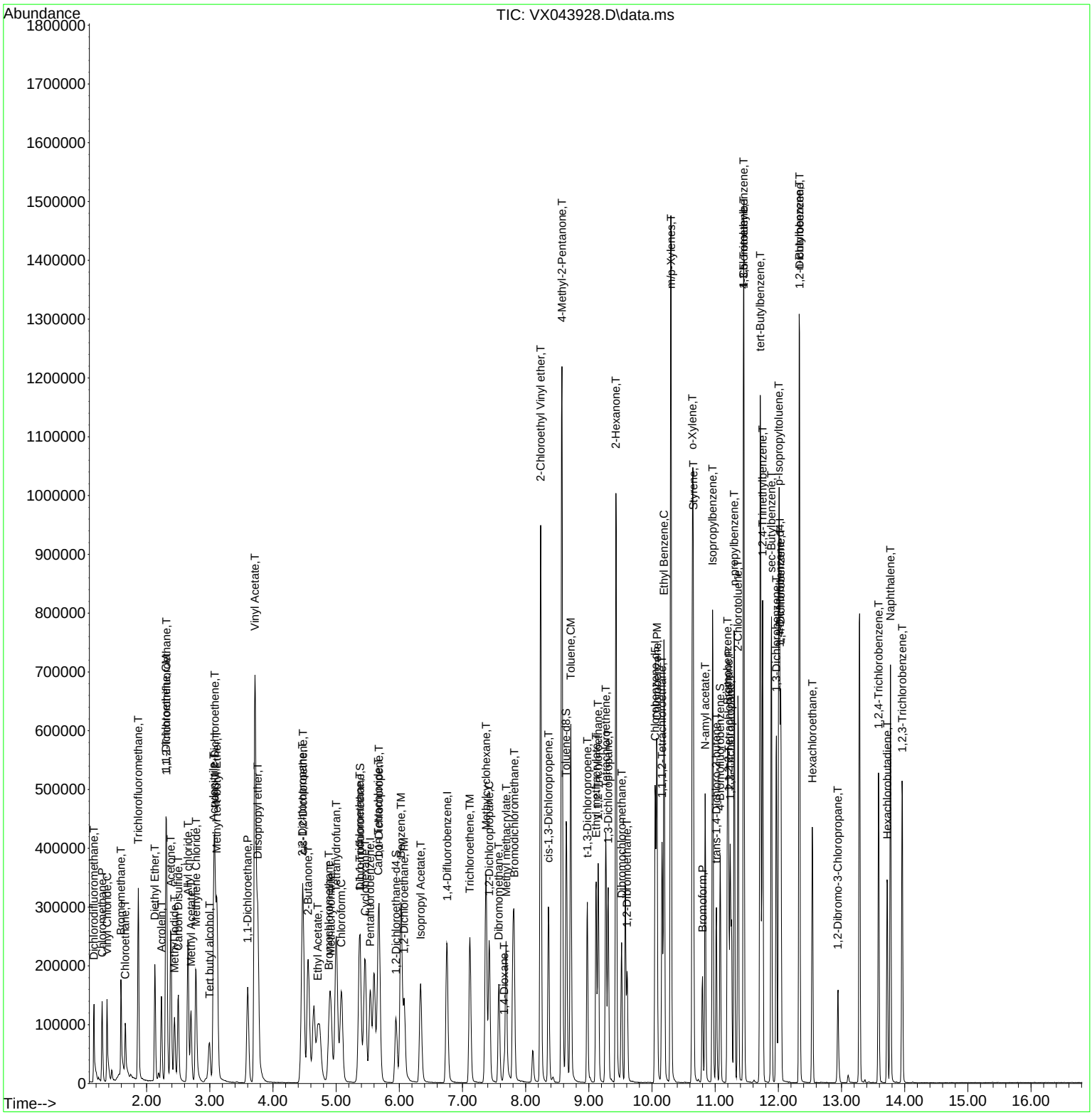
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

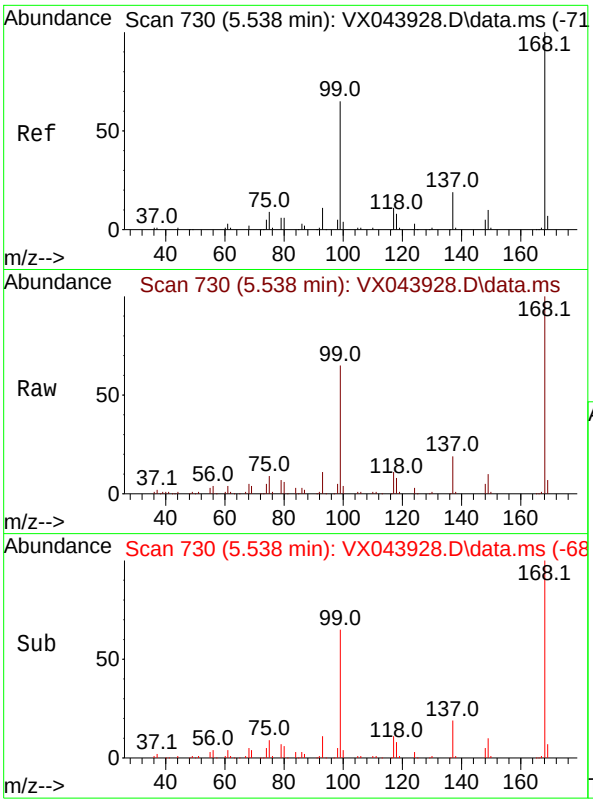
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



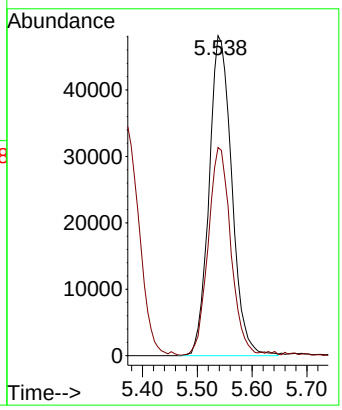


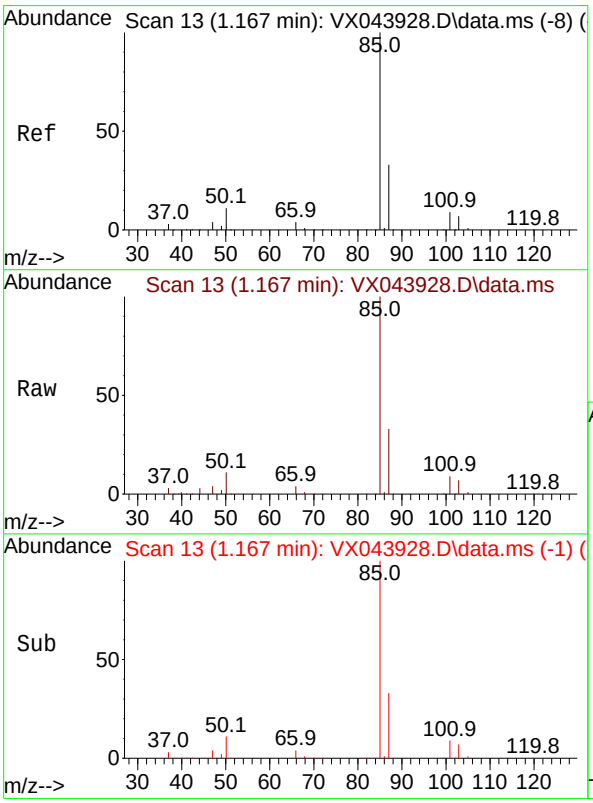
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 138578

Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.8	77.8

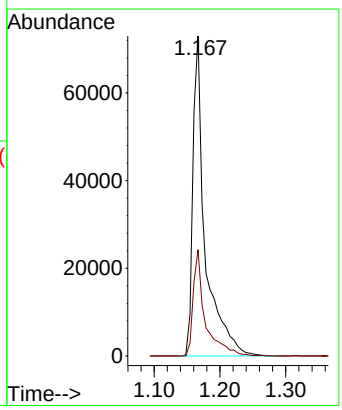


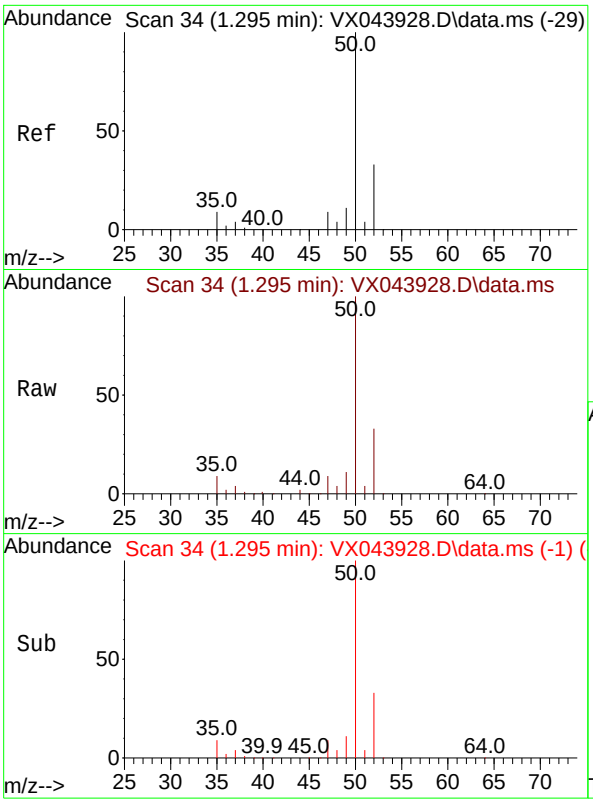


#2
Dichlorodifluoromethane
Concen: 53.994 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8



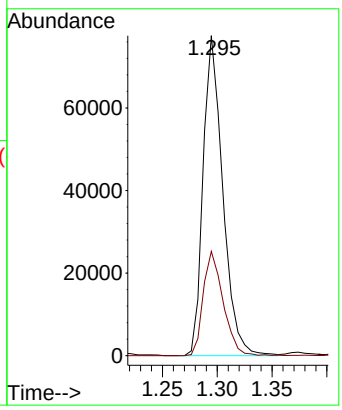


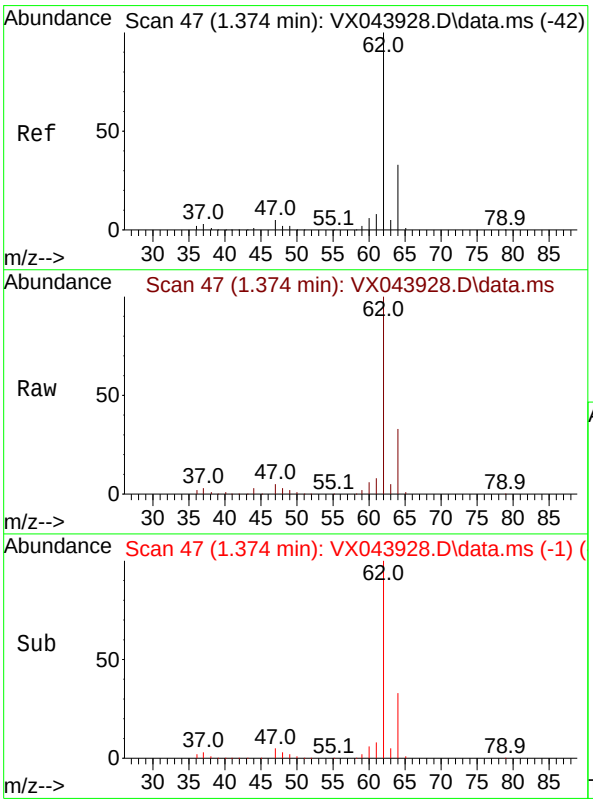
#3
Chloromethane
Concen: 52.315 ug/l
RT: 1.295 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 96646

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

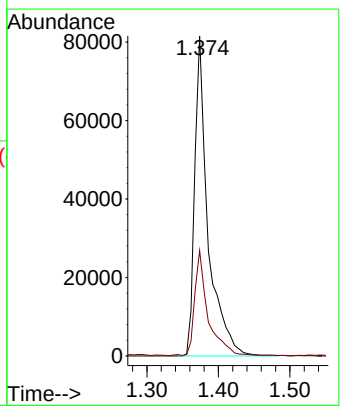


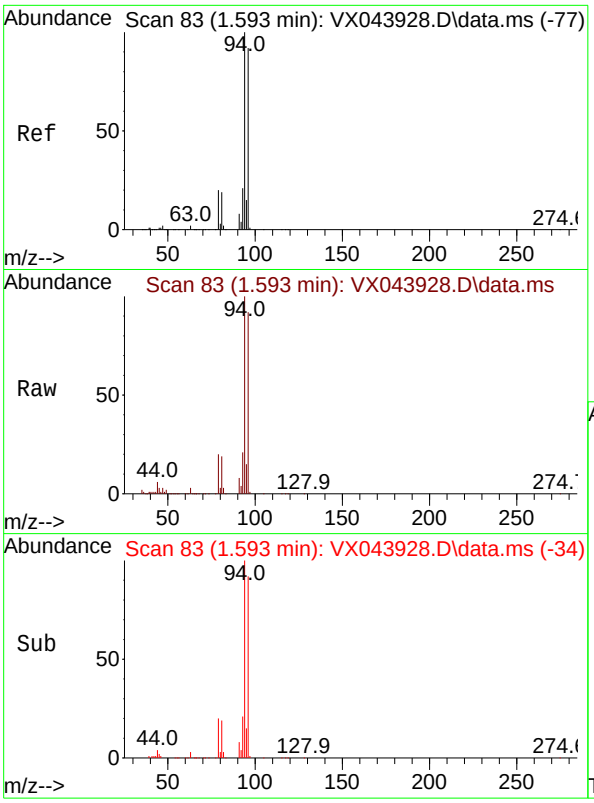


#4
Vinyl Chloride
Concen: 53.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



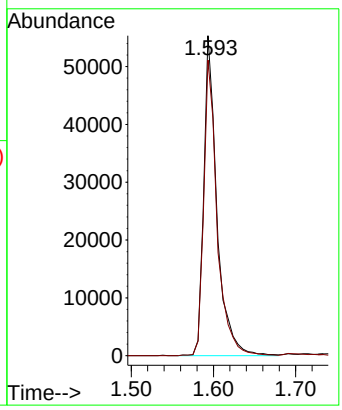


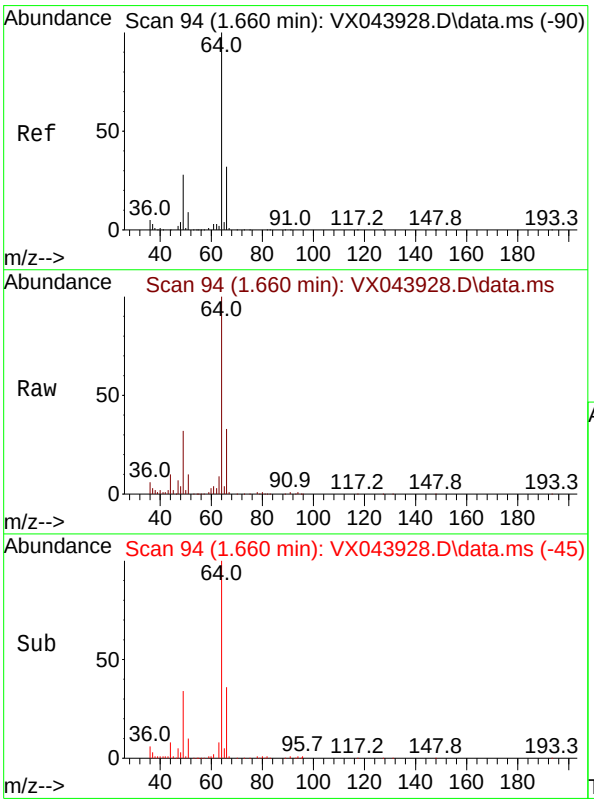
#5
Bromomethane
Concen: 51.065 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 61728

Ion	Ratio	Lower	Upper
94	100		
96	92.4	73.9	110.9

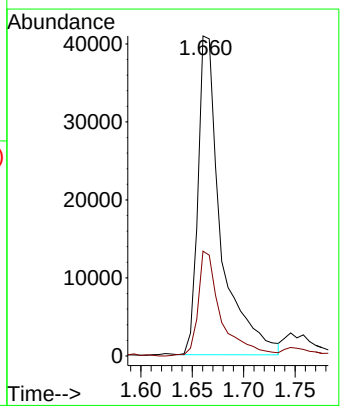


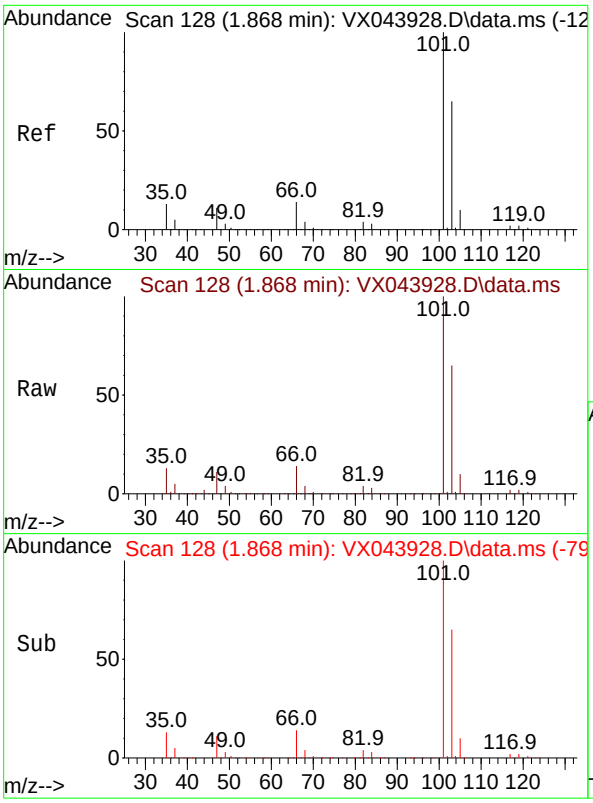


#6
Chloroethane
Concen: 53.102 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9



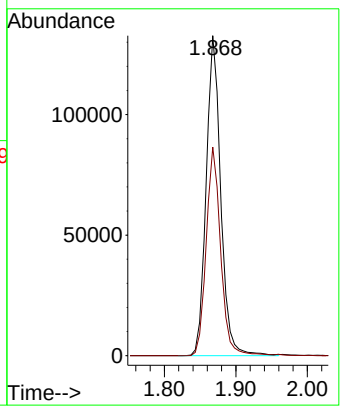


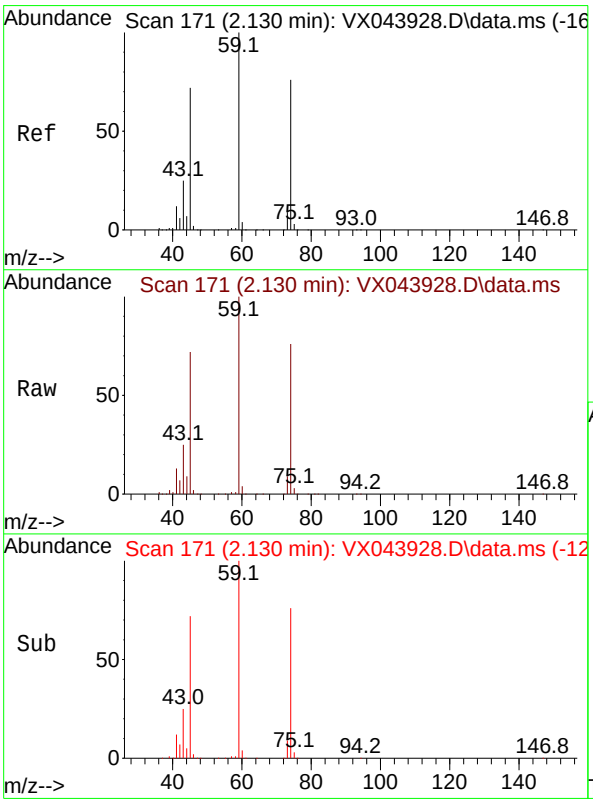
#7
Trichlorofluoromethane
Concen: 53.527 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 188045

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

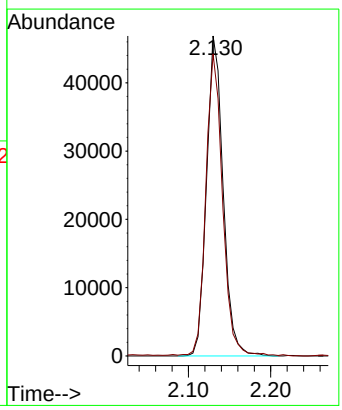


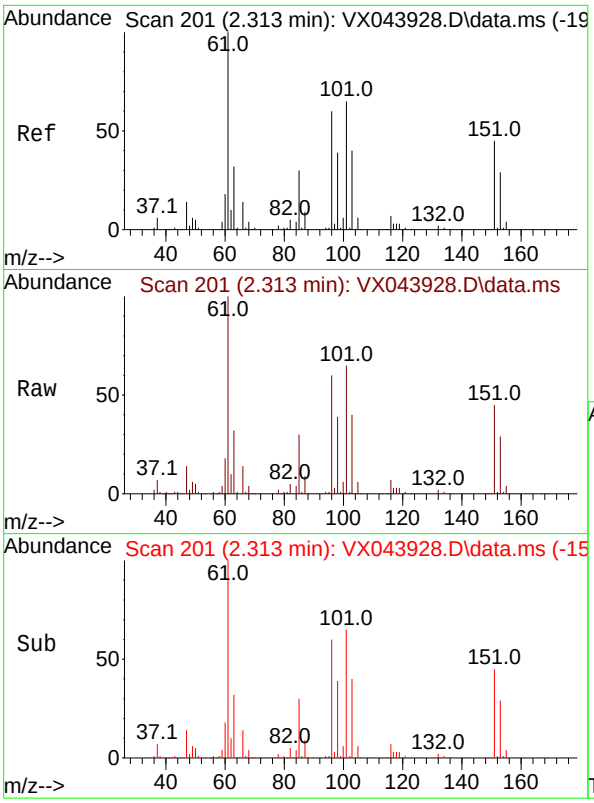


#8
Diethyl Ether
Concen: 51.283 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.9	143.6



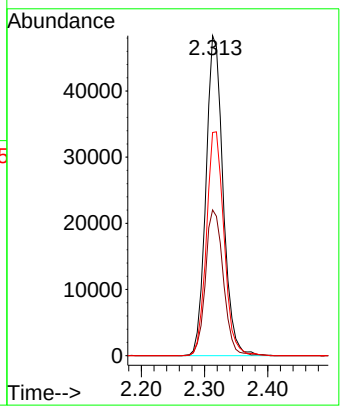


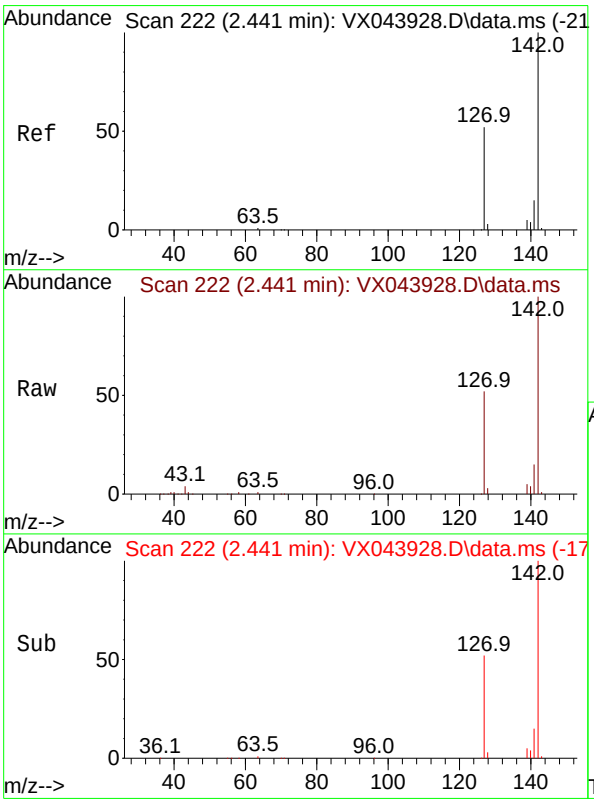
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.404 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 91167

Ion	Ratio	Lower	Upper
101	100		
85	47.4	37.9	56.9
151	71.9	57.5	86.3

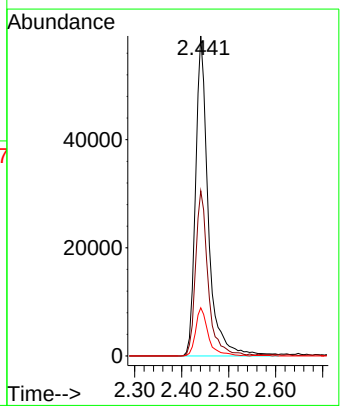


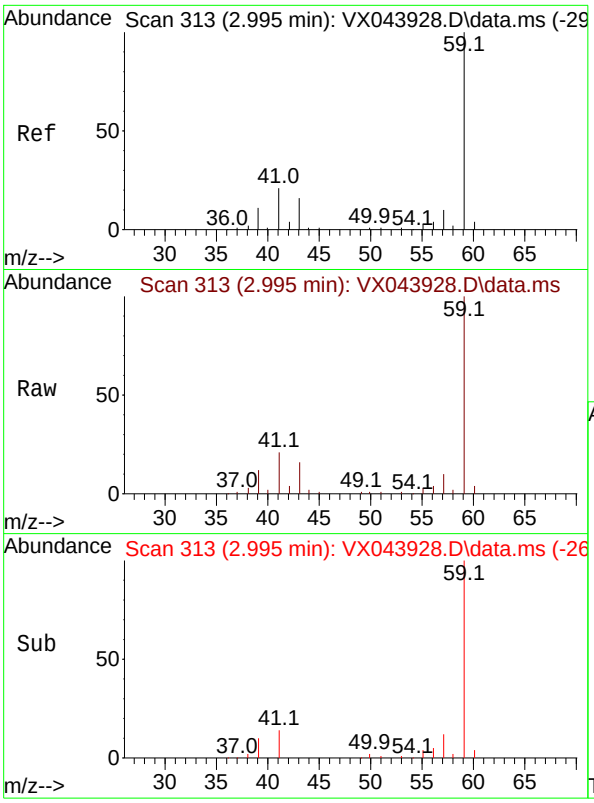


#10
Methyl Iodide
Concen: 53.554 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.7	61.1
141	15.0	12.0	18.0



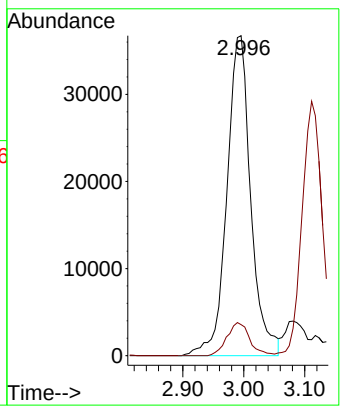


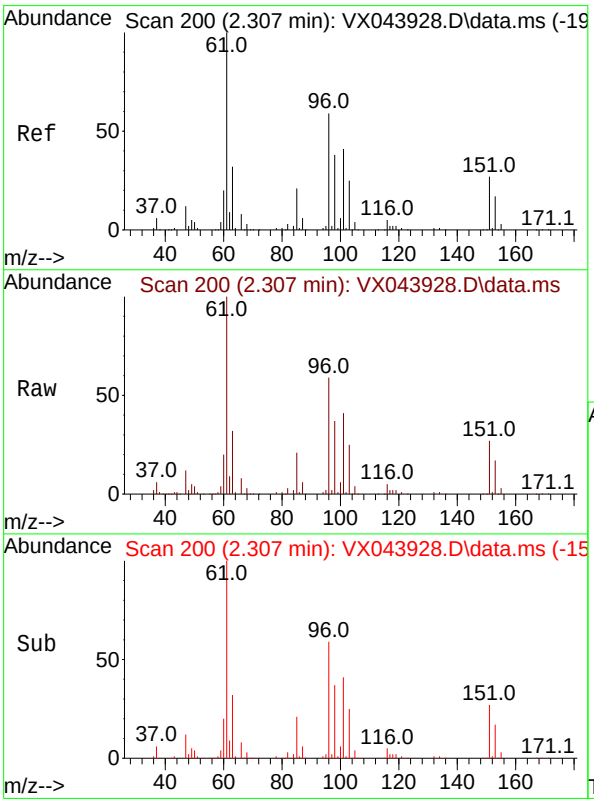
#11
Tert butyl alcohol
Concen: 262.460 ug/l
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 100130

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

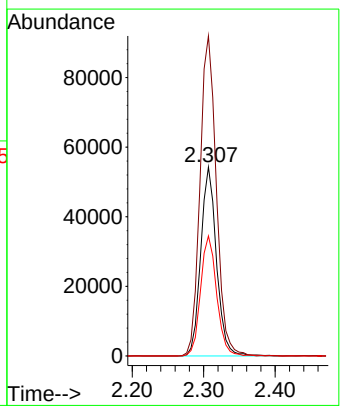


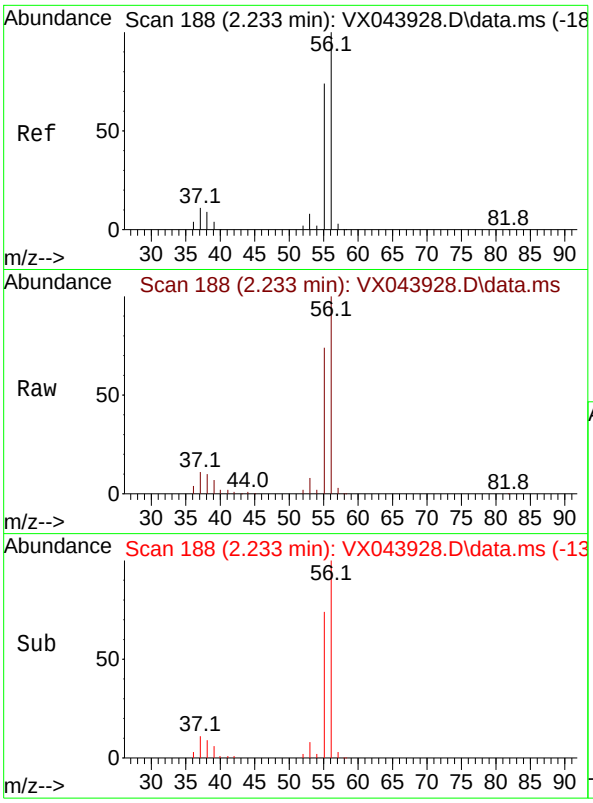


#12
1,1-Dichloroethene
Concen: 52.033 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087

Ion	Ratio	Lower	Upper
96	100		
61	169.4	135.5	203.3
98	63.5	50.8	76.2



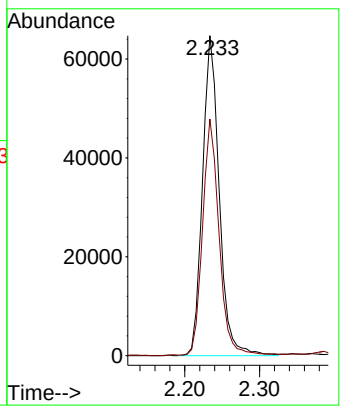


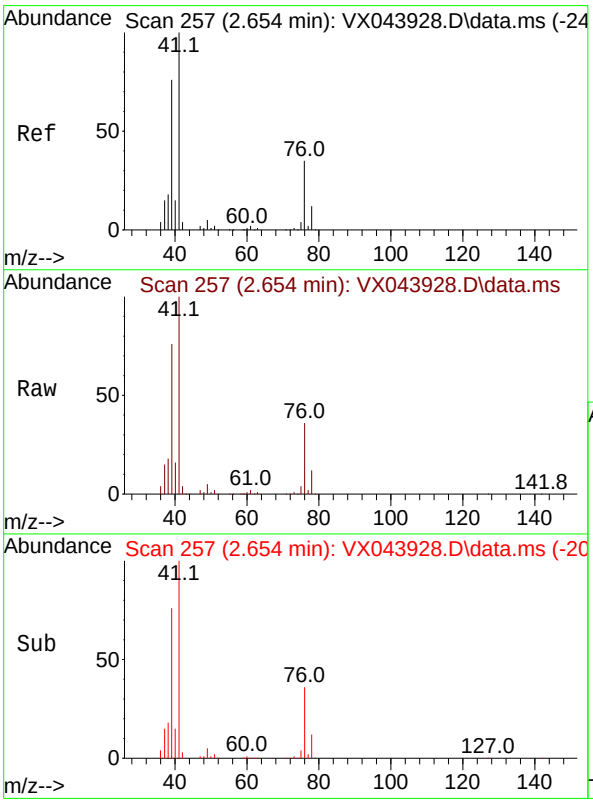
#13
Acrolein
Concen: 250.289 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 100647

Ion	Ratio	Lower	Upper
56	100		
55	72.7	58.2	87.2

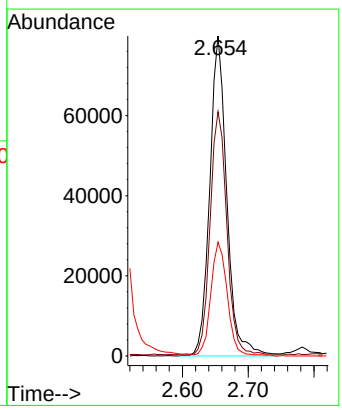


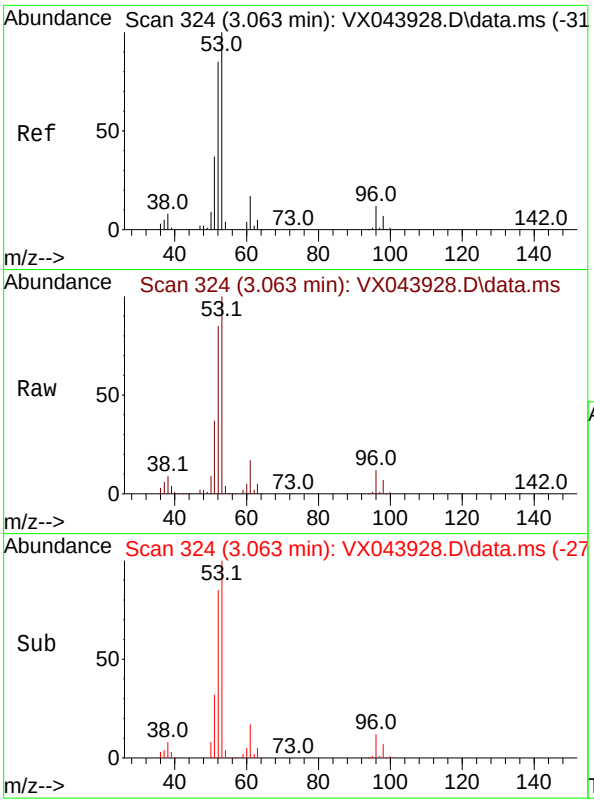


#14
Allyl chloride
Concen: 55.443 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663

Ion	Ratio	Lower	Upper
41	100		
39	74.4	59.5	89.3
76	34.3	27.4	41.2



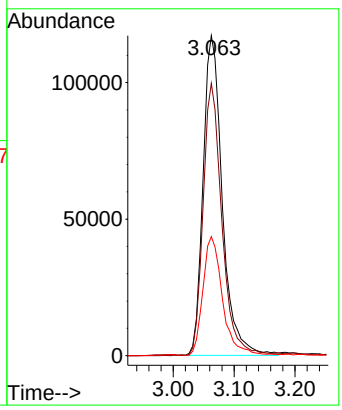


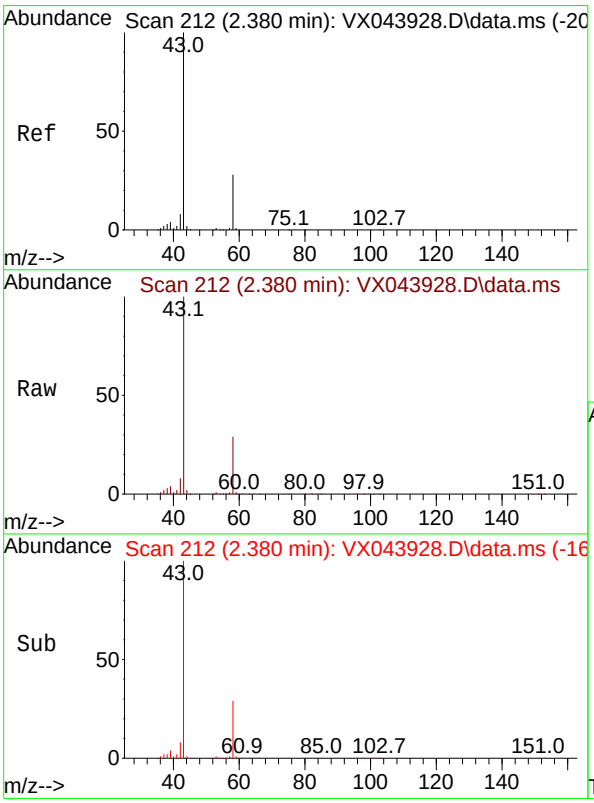
#15
Acrylonitrile
Concen: 275.887 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 256493

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	37.8	30.2	45.4

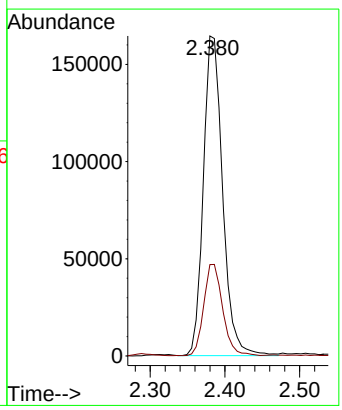


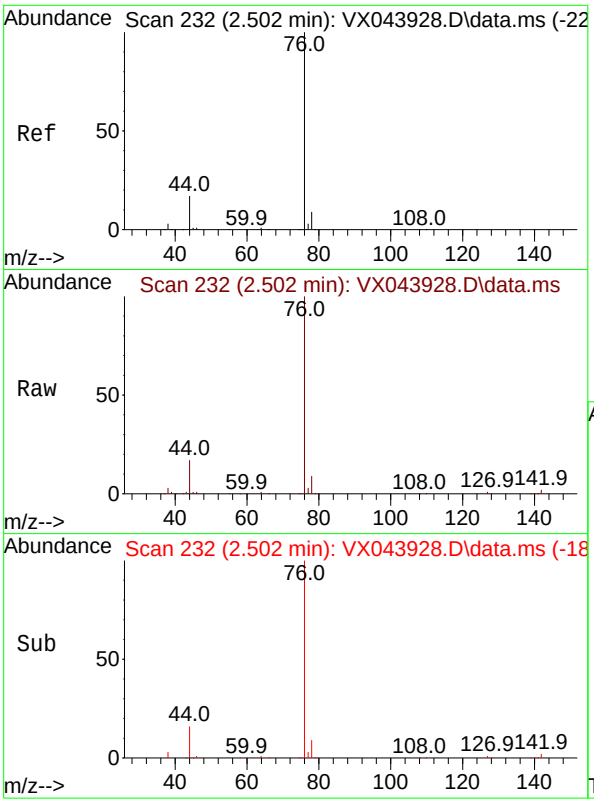


#16
Acetone
Concen: 269.872 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.7	34.1



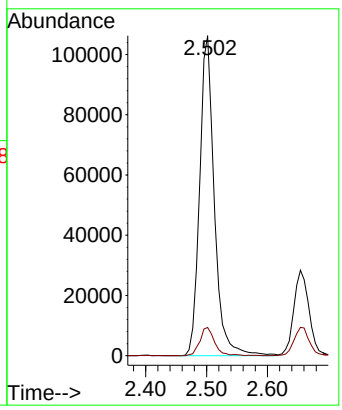


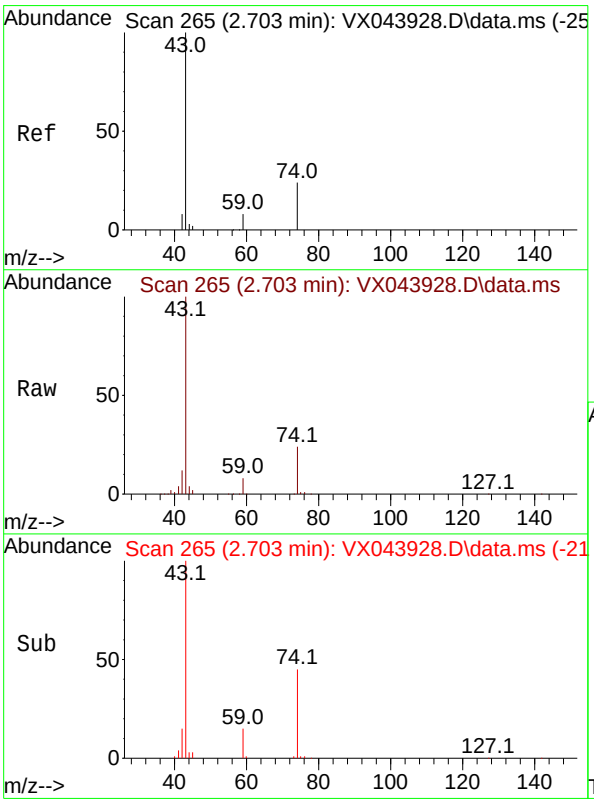
#17
Carbon Disulfide
Concen: 54.130 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 178294

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

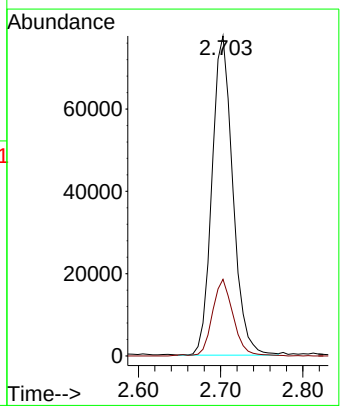


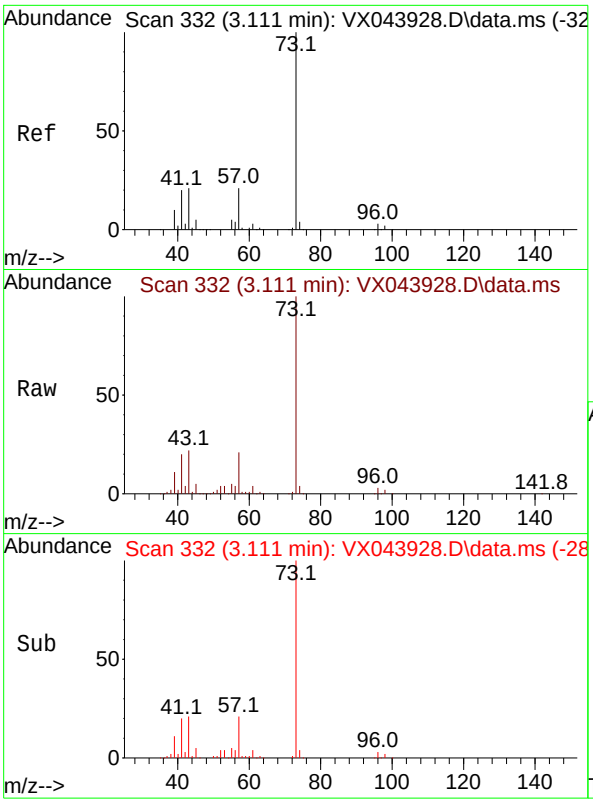


#18
Methyl Acetate
Concen: 53.785 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3



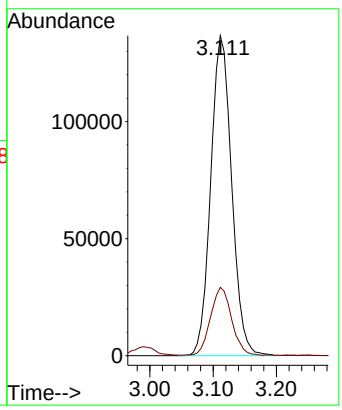


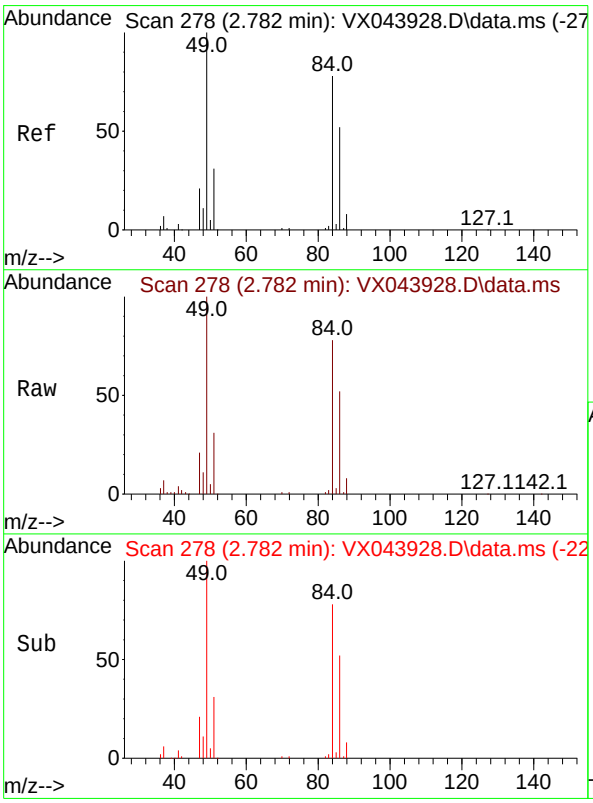
#19
Methyl tert-butyl Ether
Concen: 54.114 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 313754

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

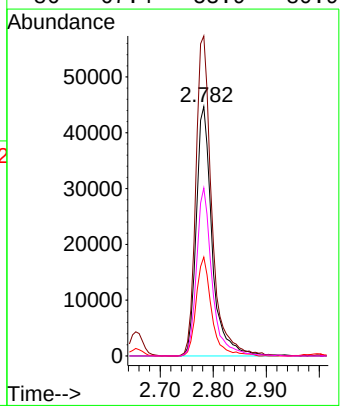


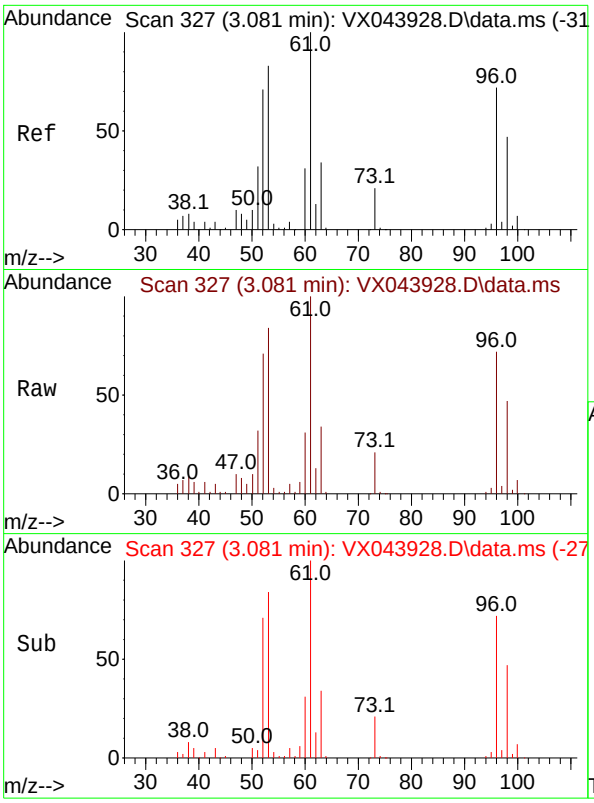


#20
Methylene Chloride
Concen: 49.918 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

Ion	Ratio	Lower	Upper
84	100		
49	128.4	102.7	154.1
51	39.6	31.7	47.5
86	67.4	53.9	80.9



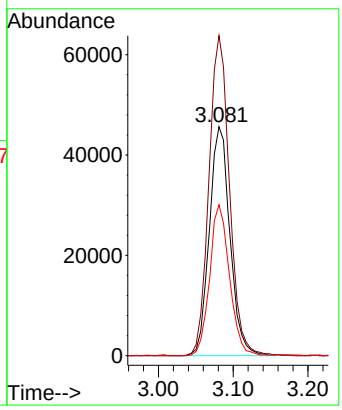


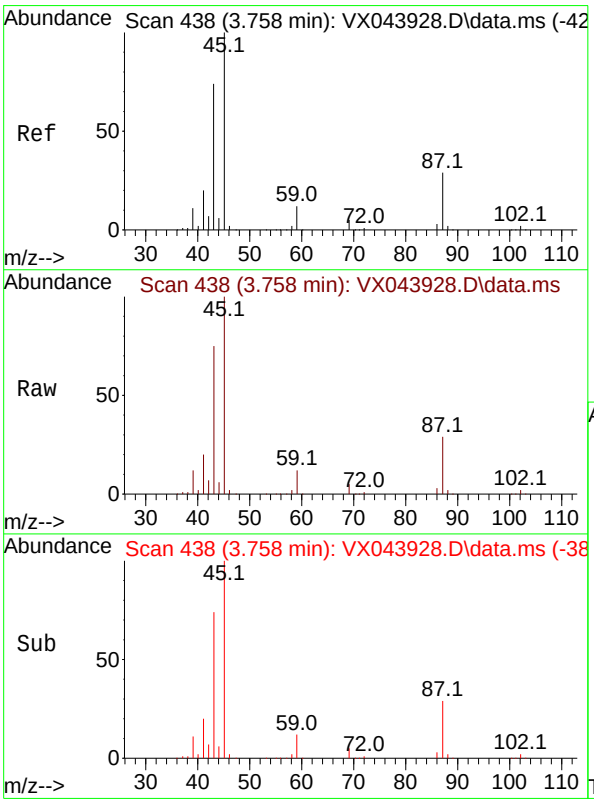
#21
trans-1,2-Dichloroethene
Concen: 53.227 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 87752

Ion	Ratio	Lower	Upper
96	100		
61	139.7	111.8	167.6
98	65.9	52.7	79.1

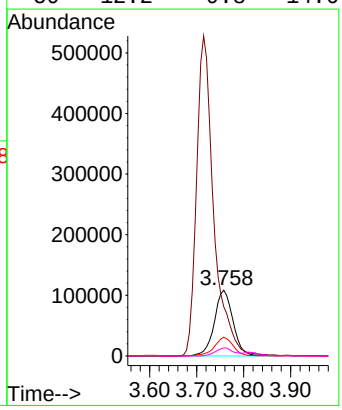


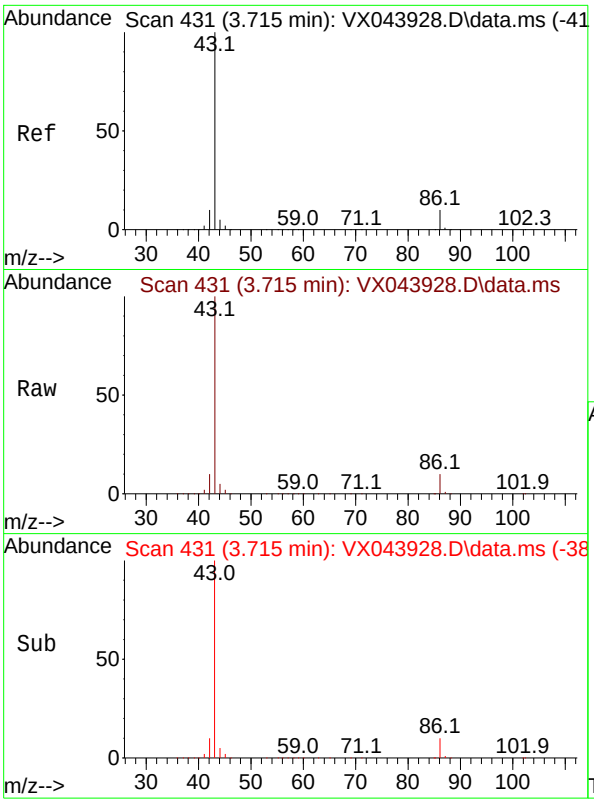


#22
Diisopropyl ether
Concen: 53.704 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

Ion	Ratio	Lower	Upper
45	100		
43	74.5	59.6	89.4
87	28.6	22.9	34.3
59	12.2	9.8	14.6



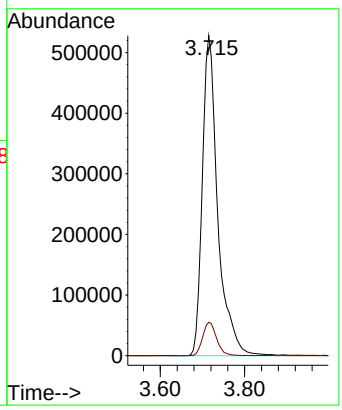


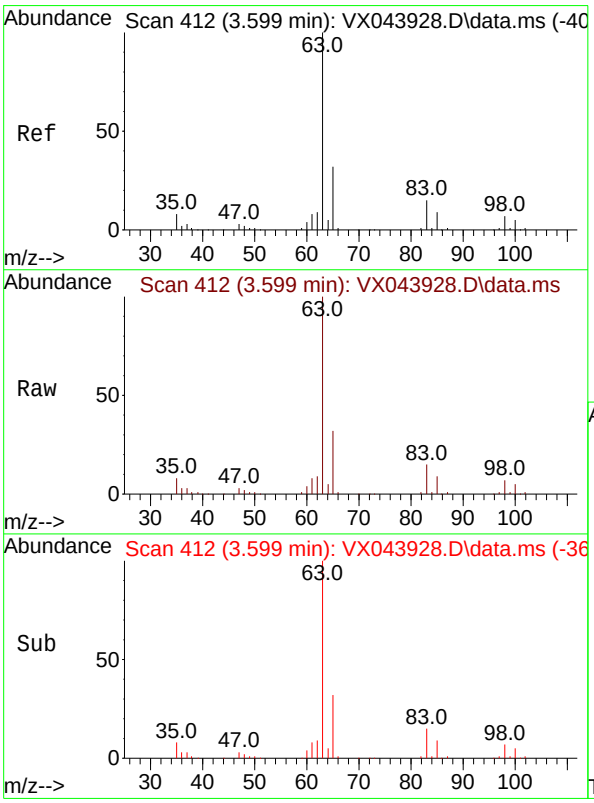
#23
Vinyl Acetate
Concen: 281.781 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1344870

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

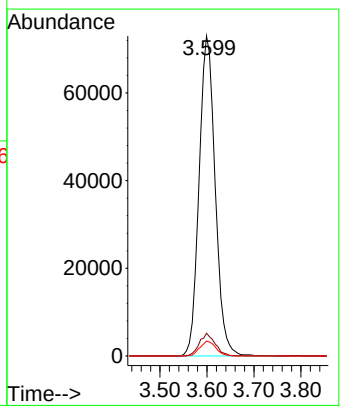


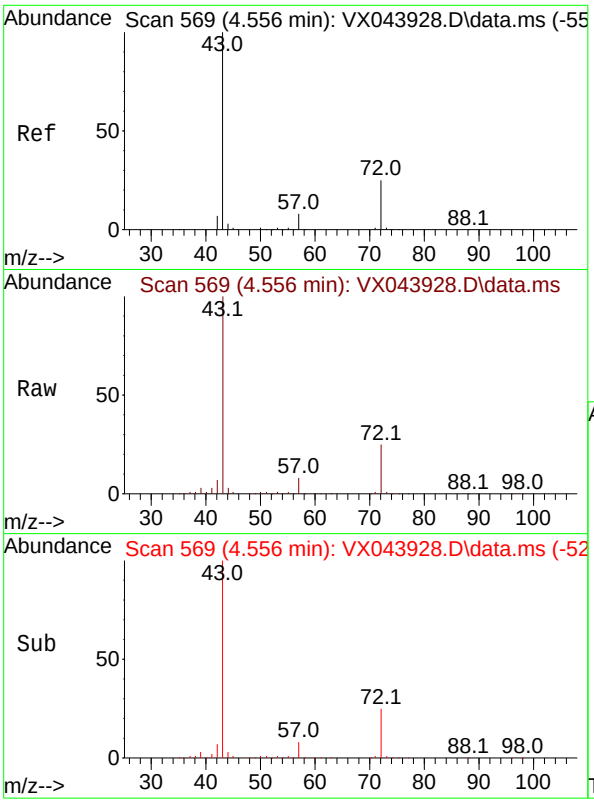


#24
1,1-Dichloroethane
Concen: 54.063 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.7	2.4	7.1



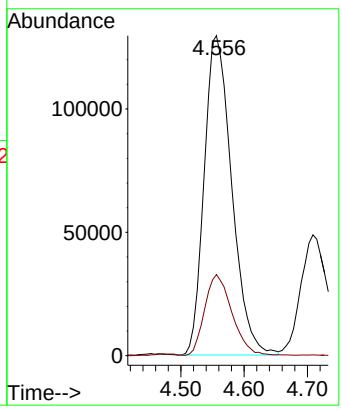


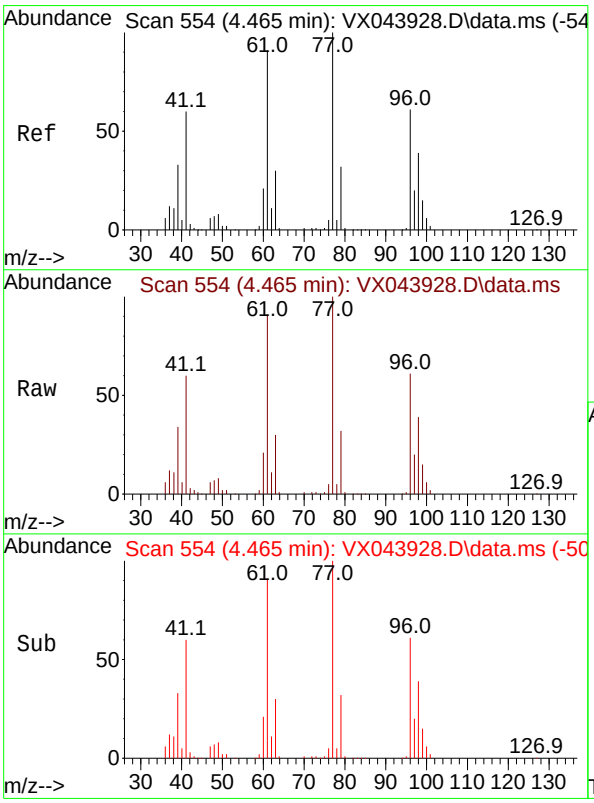
#25
2-Butanone
Concen: 278.700 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 392575

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.2	30.2

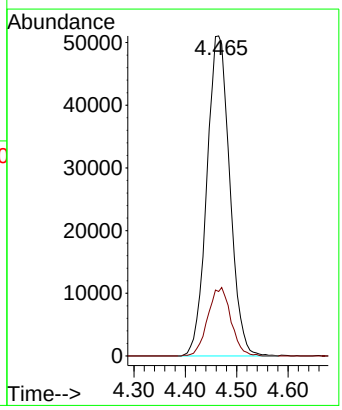


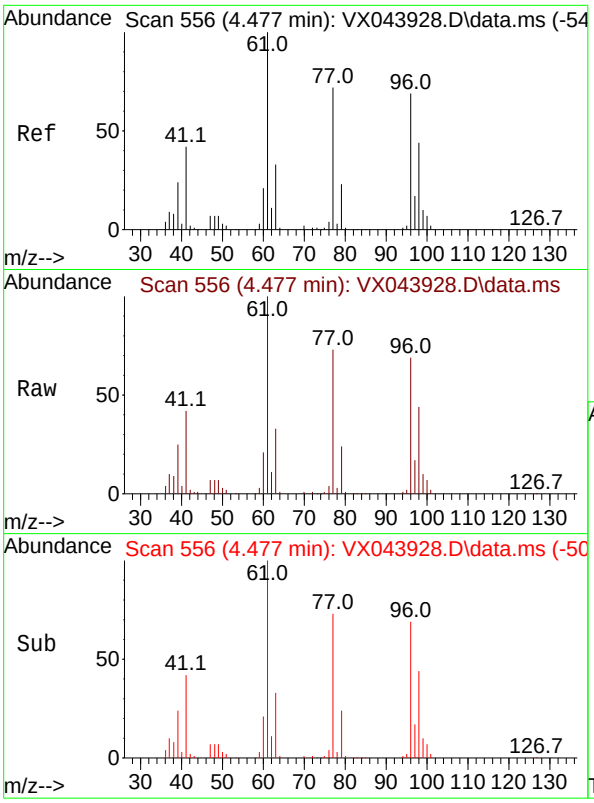


#26
2,2-Dichloropropane
Concen: 54.407 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



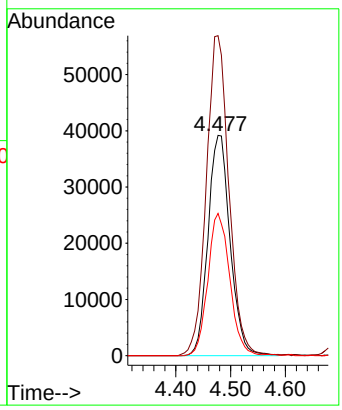


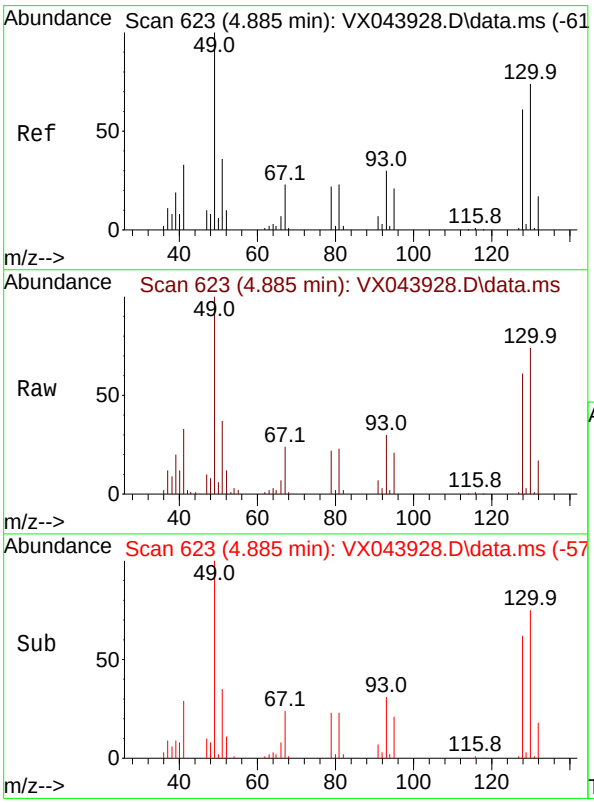
#27
cis-1,2-Dichloroethene
Concen: 53.852 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 109742

Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	297.4
98	63.9	0.0	127.8

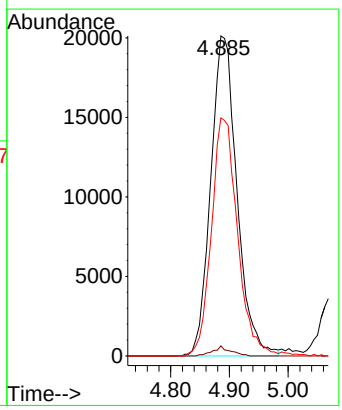


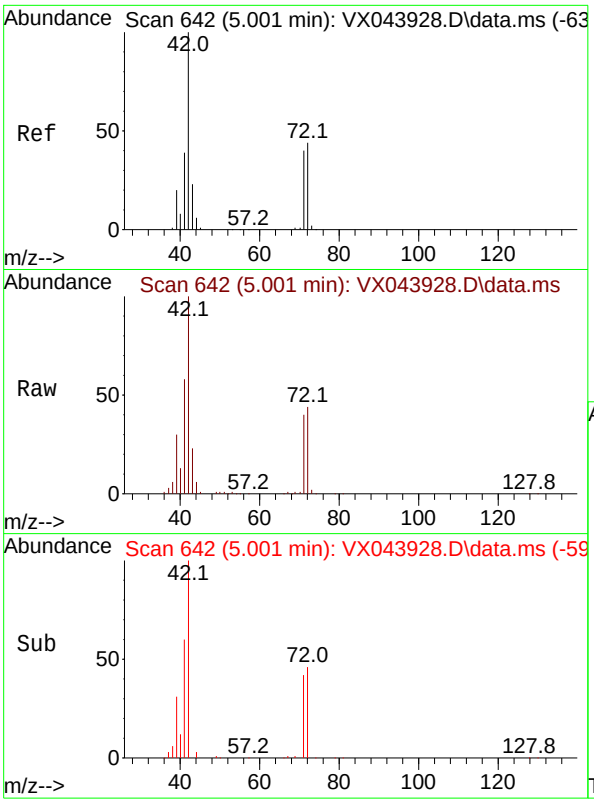


#28
Bromochloromethane
Concen: 44.034 ug/l
RT: 4.885 min Scan# 623
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.8	59.0	88.6



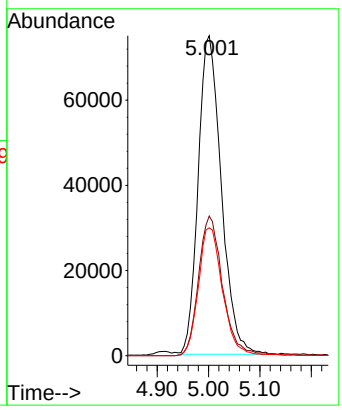


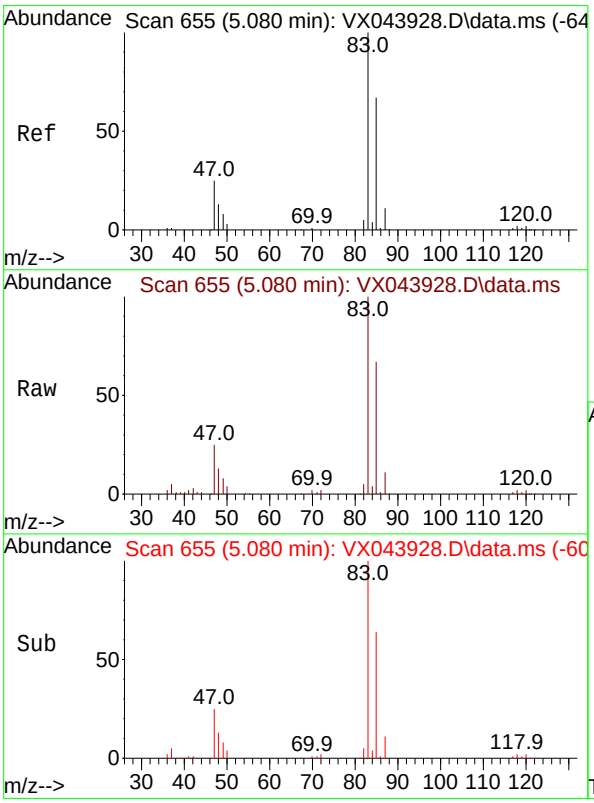
#29
Tetrahydrofuran
Concen: 271.213 ug/l
RT: 5.001 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 234208

Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.4	54.6
71	41.7	33.4	50.0

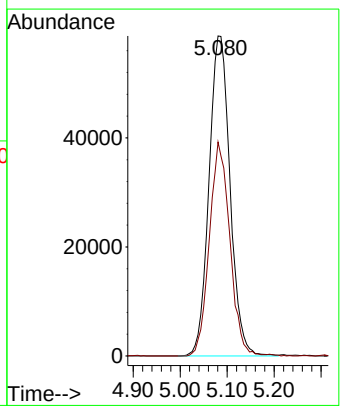


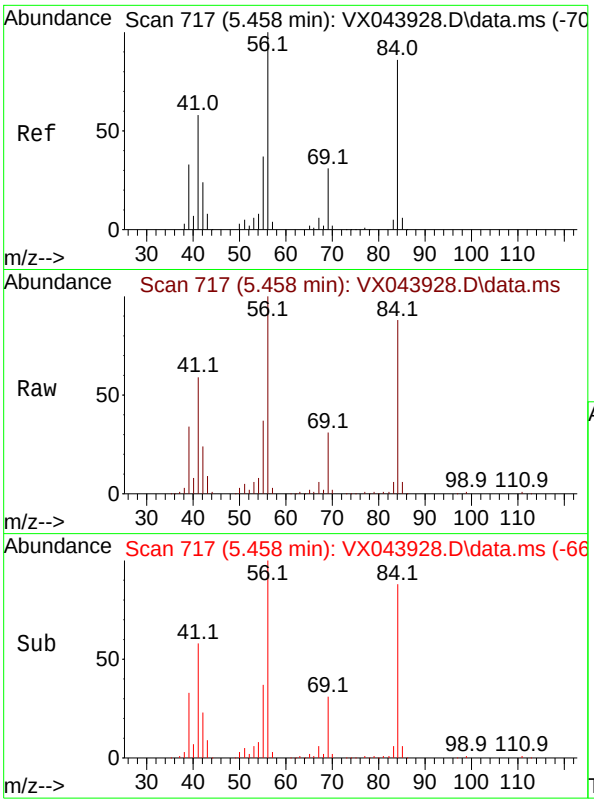


#30
Chloroform
Concen: 52.691 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 182404

Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.5	80.3



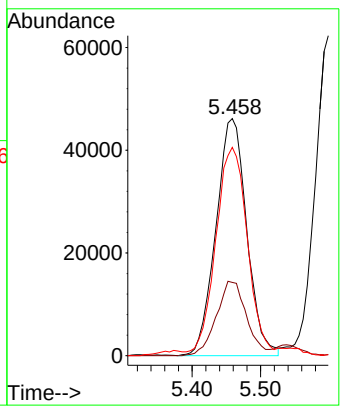


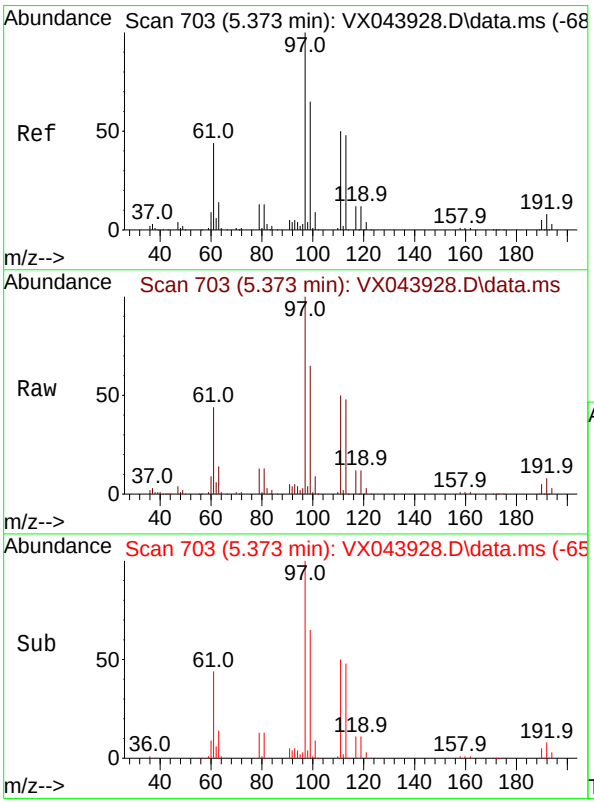
#31
Cyclohexane
Concen: 54.443 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 144224

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.7	37.1
84	85.9	68.7	103.1

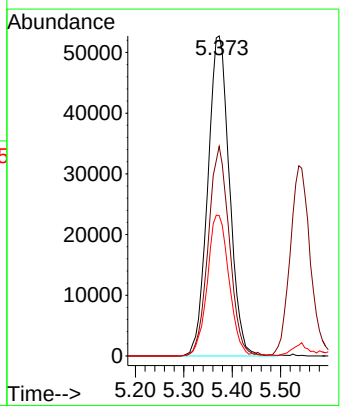


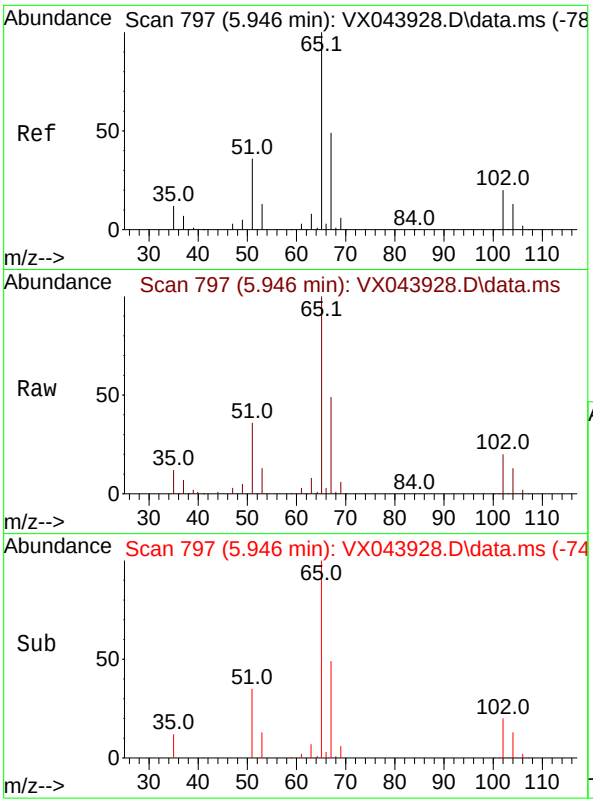


#32
1,1,1-Trichloroethane
Concen: 54.944 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	44.3	35.4	53.2



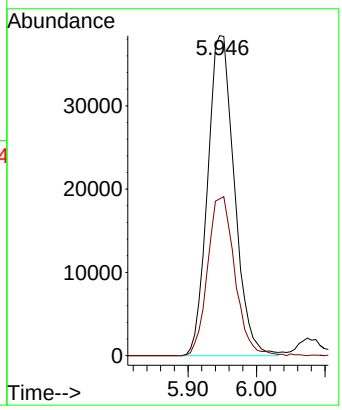


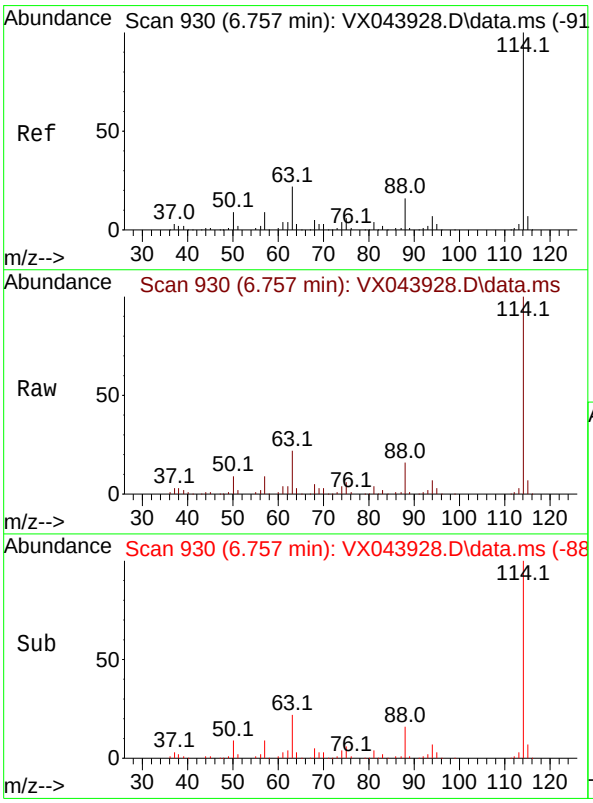
#33
1,2-Dichloroethane-d4
Concen: 43.792 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 104086

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8

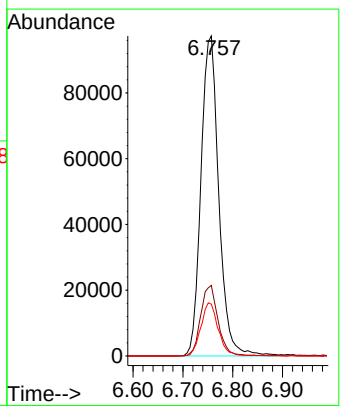


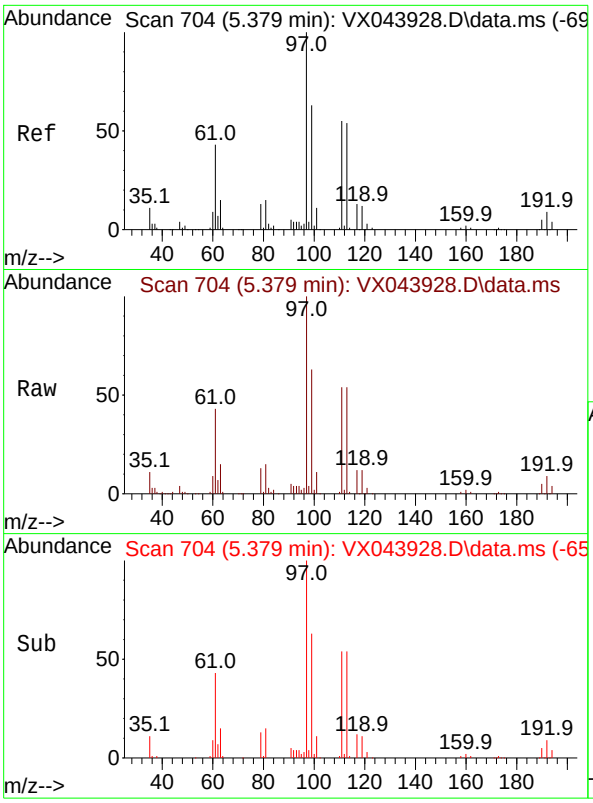


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:114 Resp: 241629

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.2	0.0	32.4



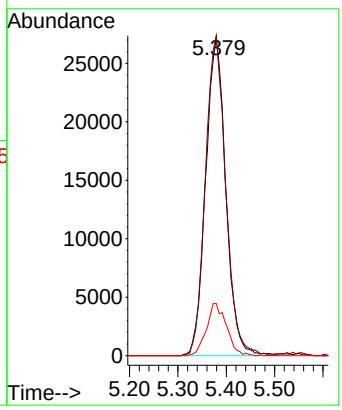


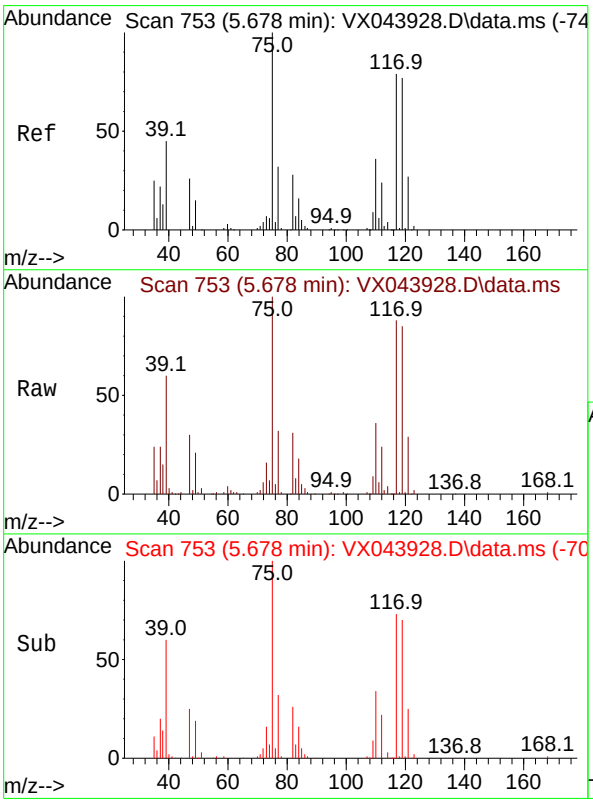
#35
Dibromofluoromethane
Concen: 45.729 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 78954

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	16.3	13.0	19.6

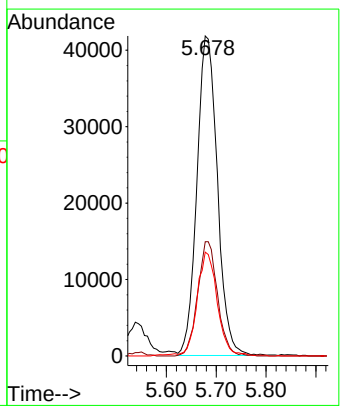


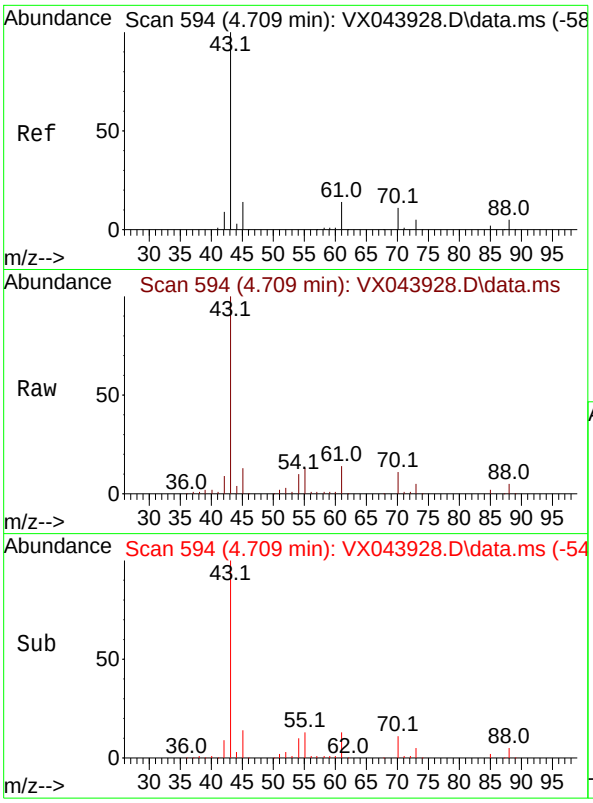


#36
1,1-Dichloropropene
Concen: 55.435 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 119269

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	32.3	25.8	38.8



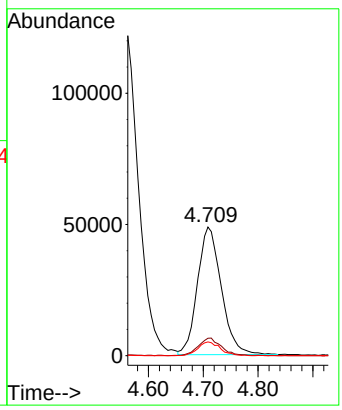


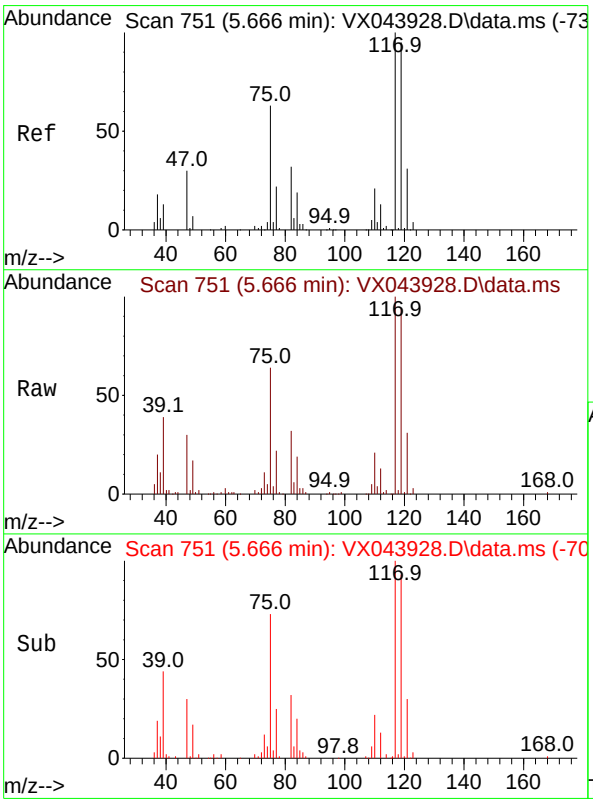
#37
Ethyl Acetate
Concen: 55.189 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 147393

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.0	8.0	12.0

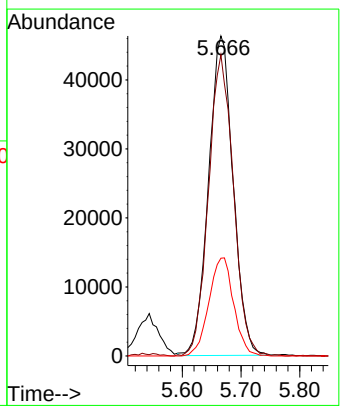


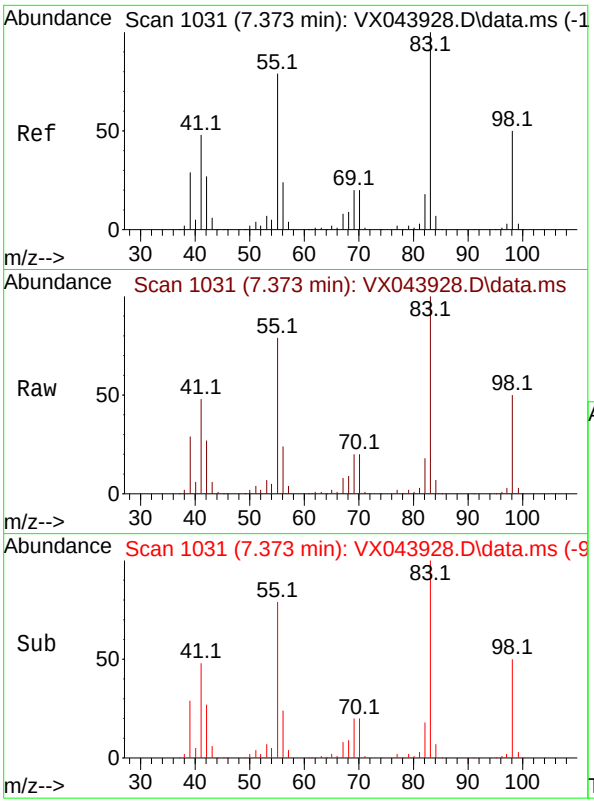


#38
Carbon Tetrachloride
Concen: 55.729 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 134725

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.6	24.5	36.7



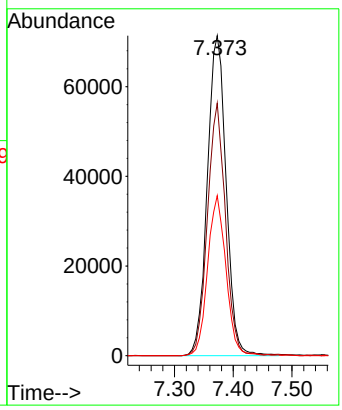


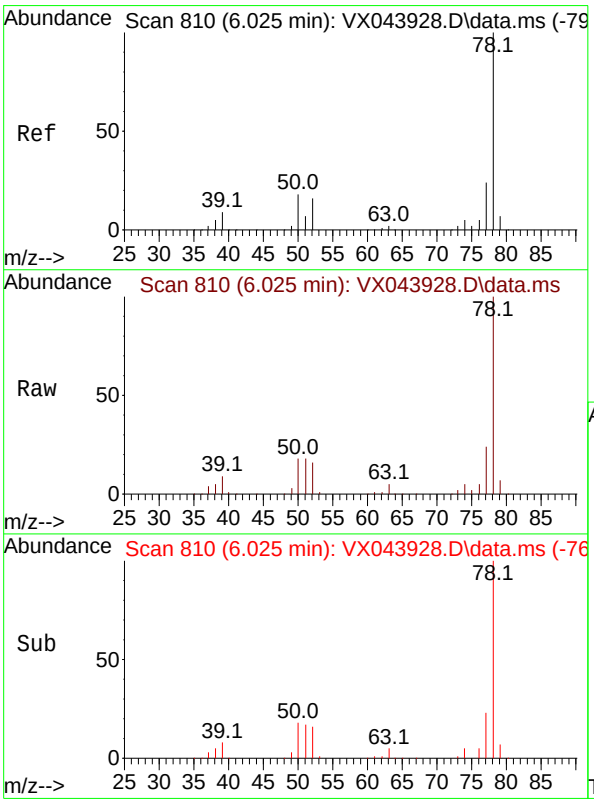
#39
Methylcyclohexane
Concen: 56.738 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 158586

Ion	Ratio	Lower	Upper
83	100		
55	78.9	63.1	94.7
98	50.0	40.0	60.0

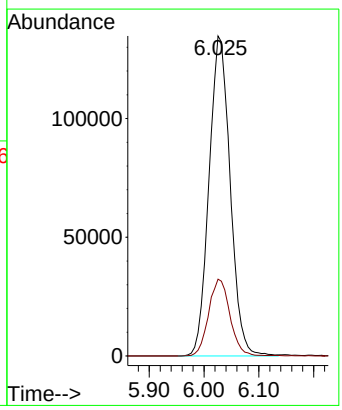


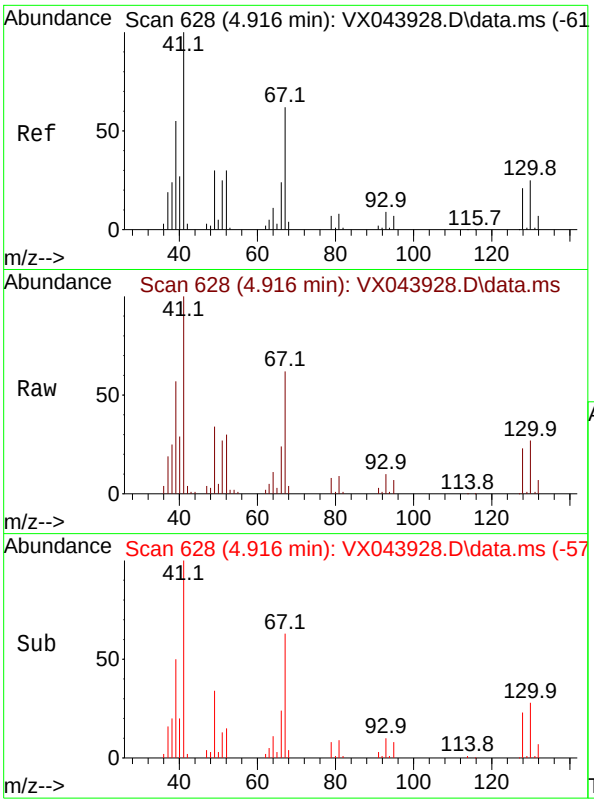


#40
Benzene
Concen: 53.863 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



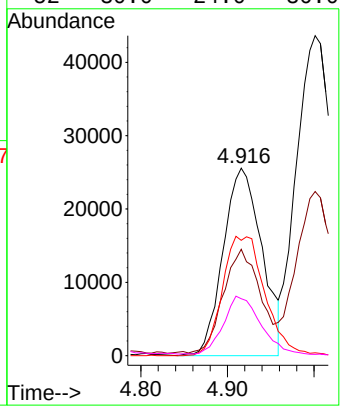


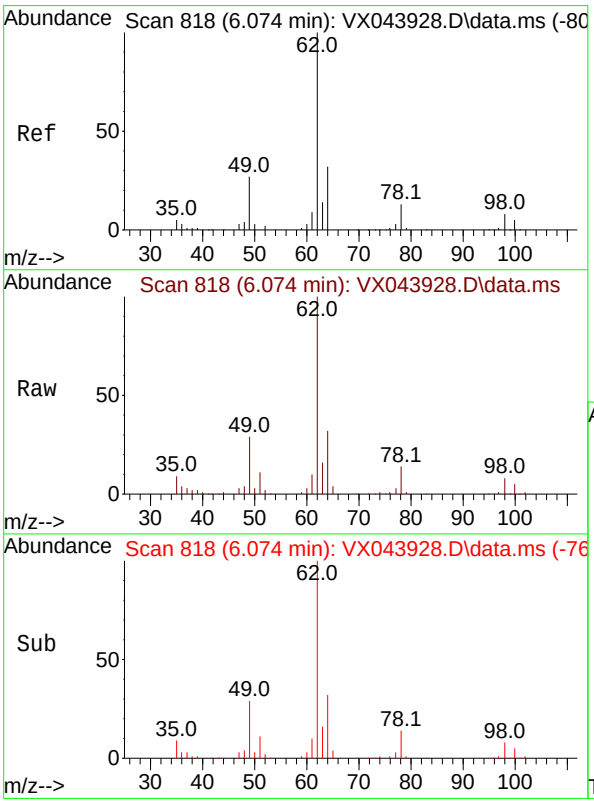
#41
Methacrylonitrile
Concen: 58.165 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 79507

Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.7	62.5
67	69.8	55.8	83.8
52	30.0	24.0	36.0

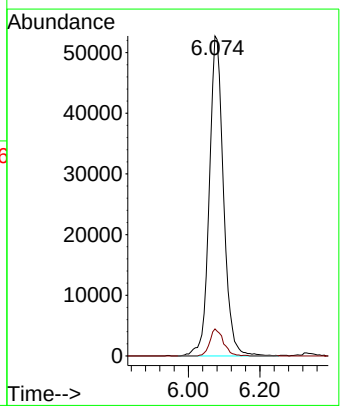


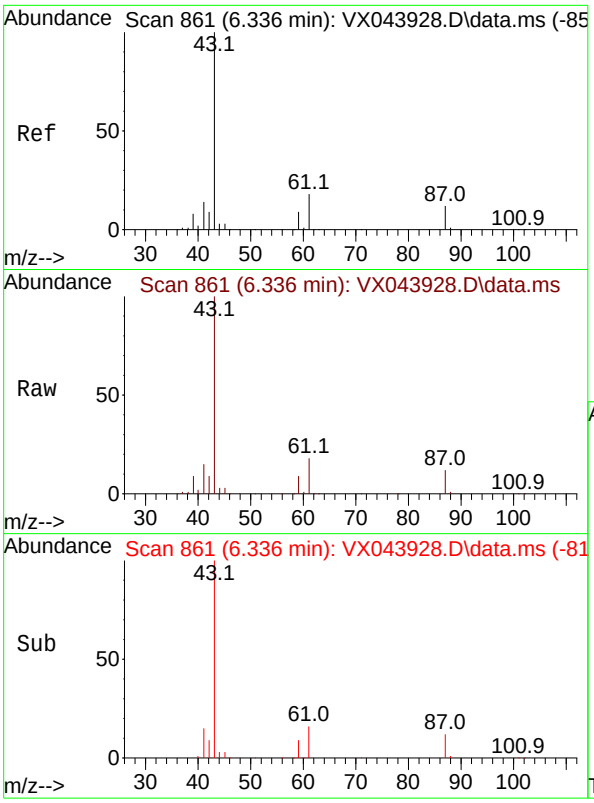


#42
1,2-Dichloroethane
Concen: 54.125 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



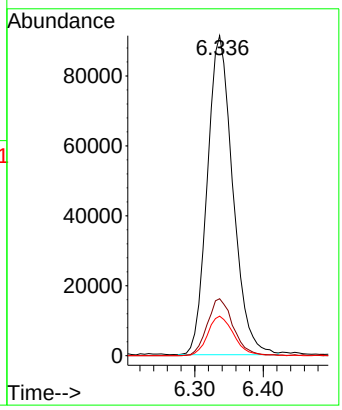


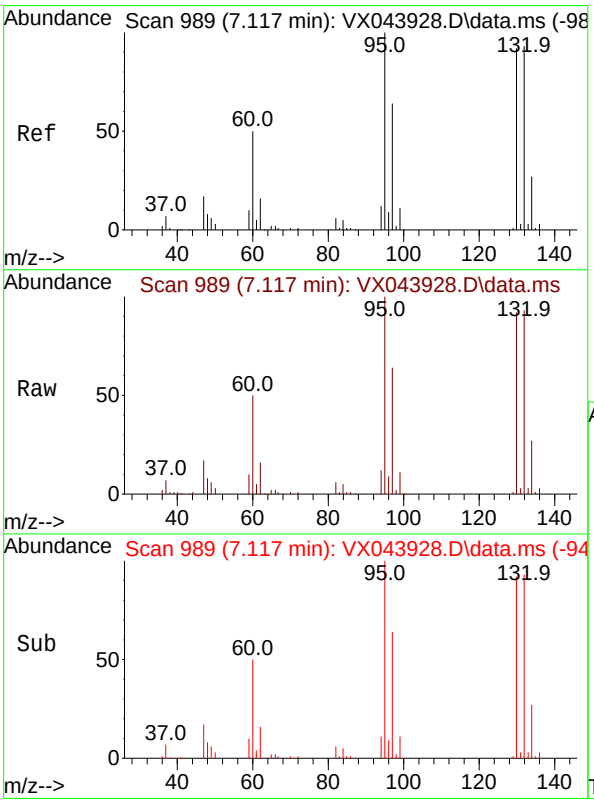
#43
Isopropyl Acetate
Concen: 55.492 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 235856

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.7	10.2	15.2

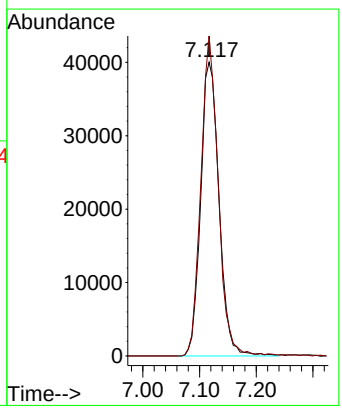


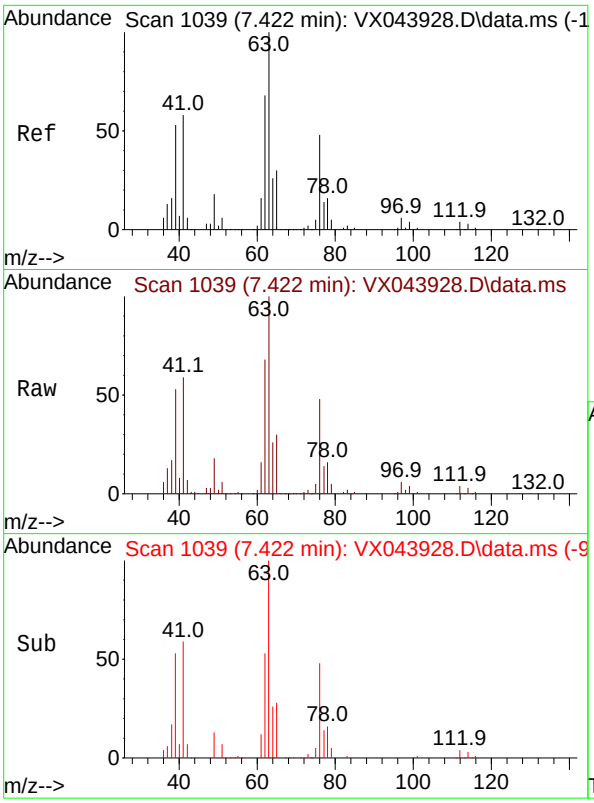


#44
Trichloroethene
Concen: 47.447 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	217.8



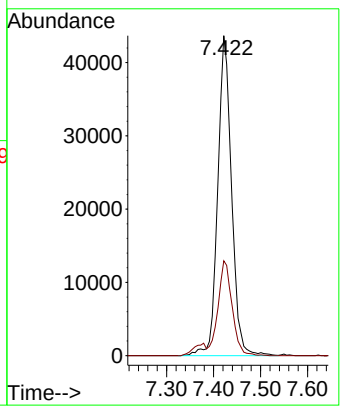


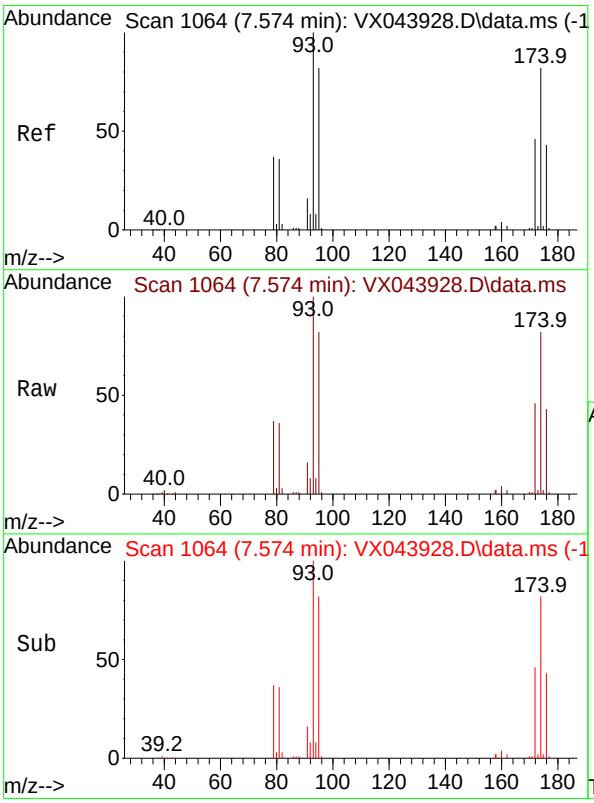
#45
1,2-Dichloropropane
Concen: 54.543 ug/l
RT: 7.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 89529

Ion	Ratio	Lower	Upper
63	100		
65	29.7	23.8	35.6

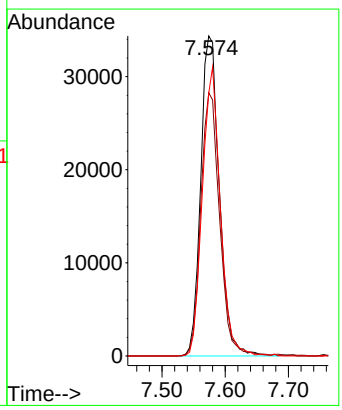


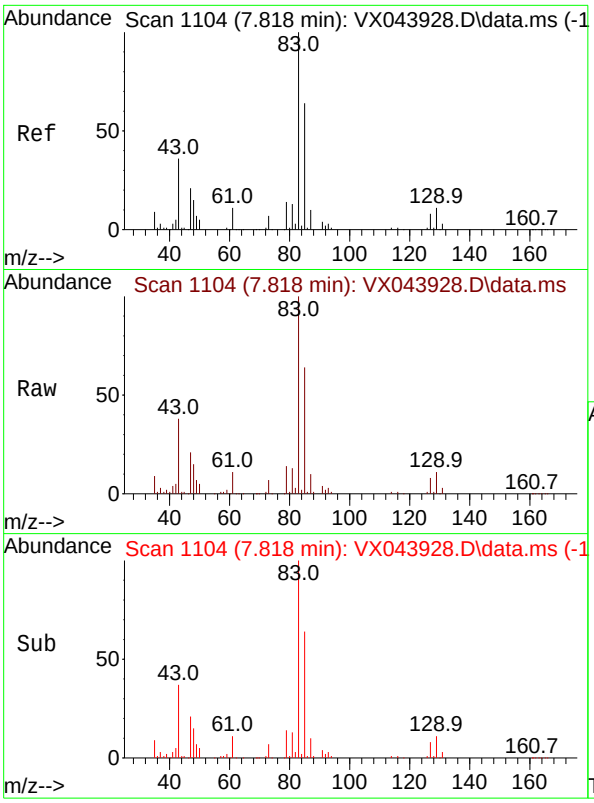


#46
Dibromomethane
Concen: 54.434 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	87.0	69.6	104.4



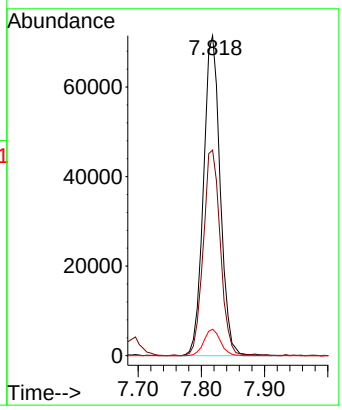


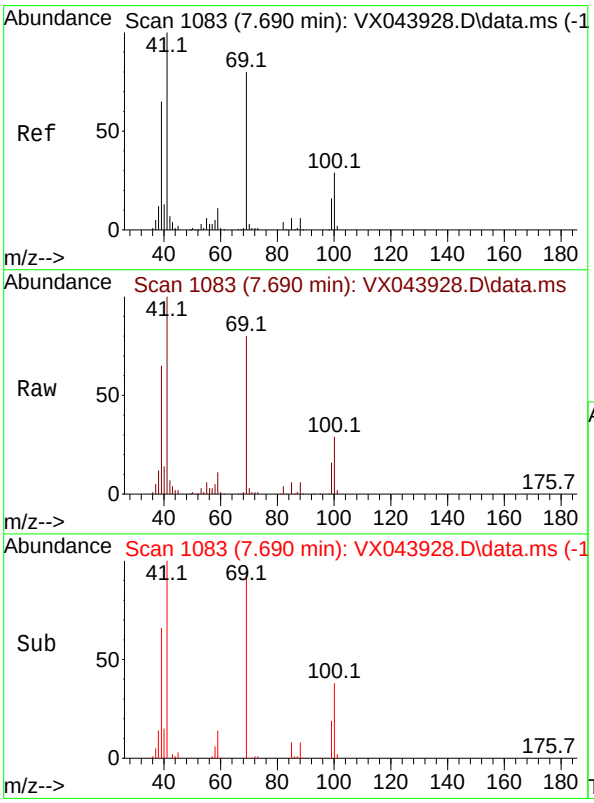
#47
Bromodichloromethane
Concen: 56.411 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 131365

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.3	6.6	10.0

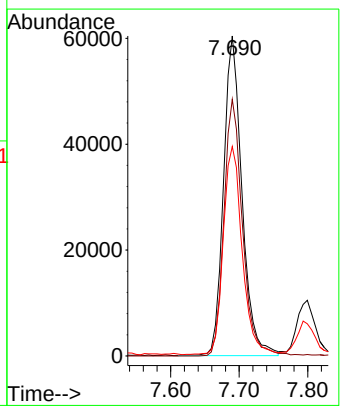


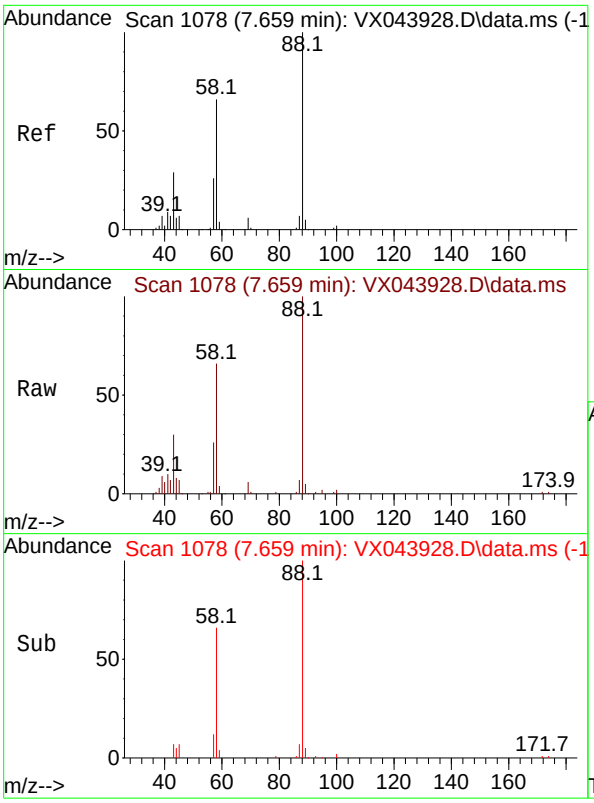


#48
Methyl methacrylate
Concen: 55.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803

Ion	Ratio	Lower	Upper
41	100		
69	80.8	64.6	97.0
39	66.6	53.3	79.9



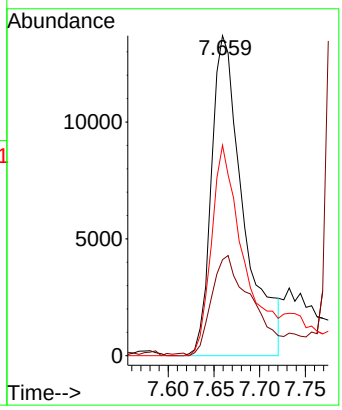


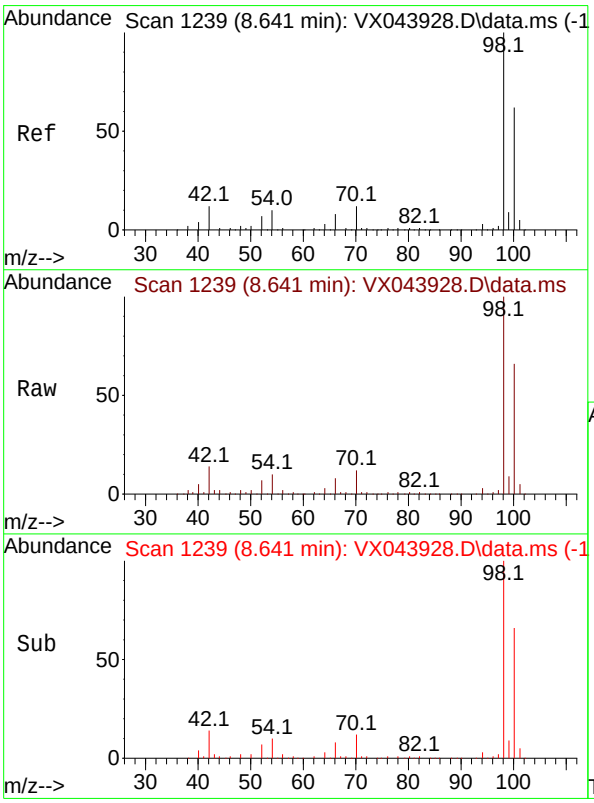
#49
1,4-Dioxane
Concen: 949.925 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 33402

Ion	Ratio	Lower	Upper
88	100		
43	39.5	26.8	40.2
58	66.8	45.4	68.2

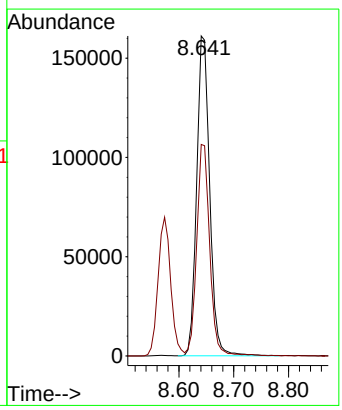


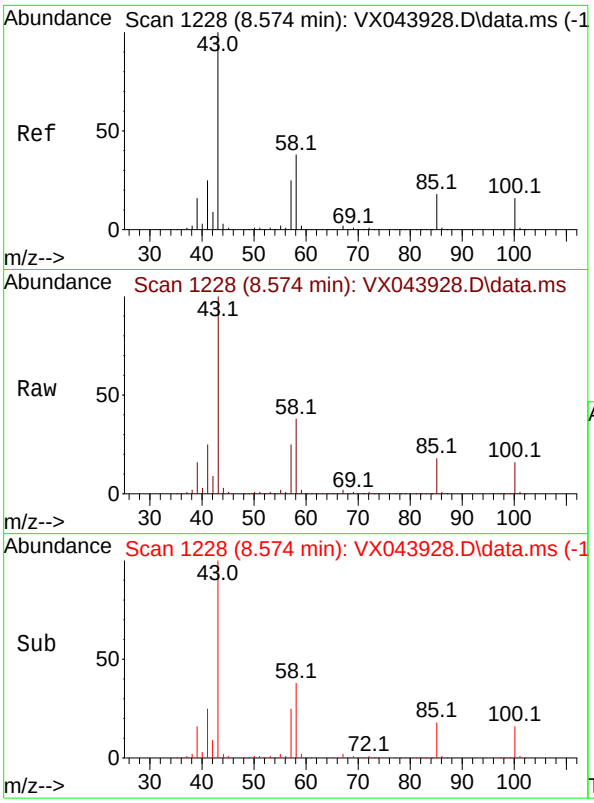


#50
Toluene-d8
Concen: 44.803 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0



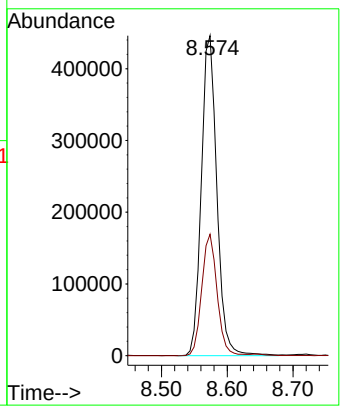


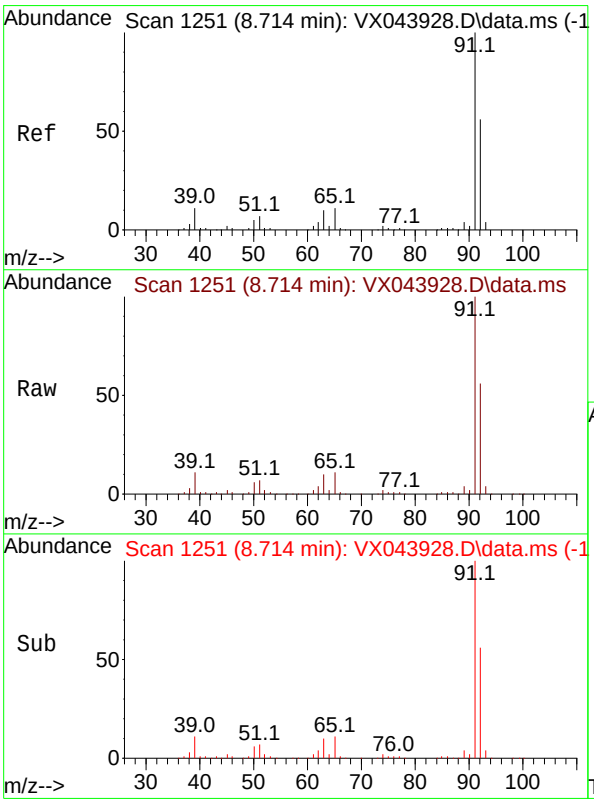
#51
4-Methyl-2-Pentanone
Concen: 282.442 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 732582

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.0	45.0

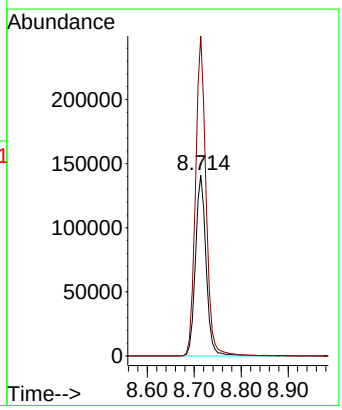


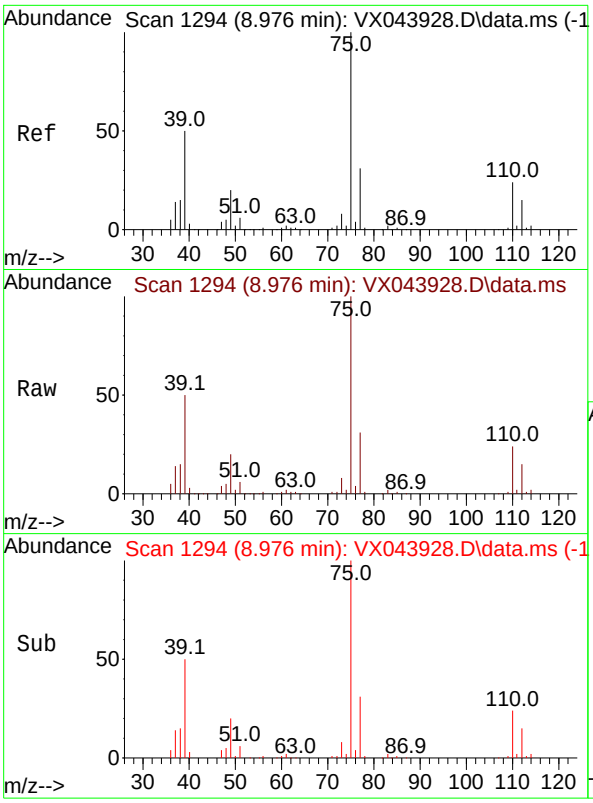


#52
Toluene
Concen: 55.469 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.7	209.5



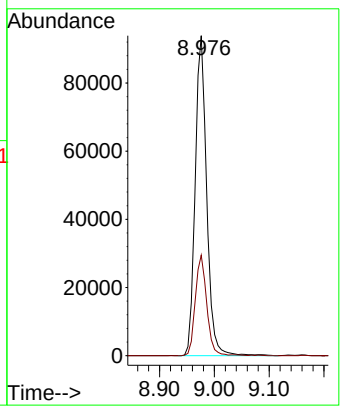


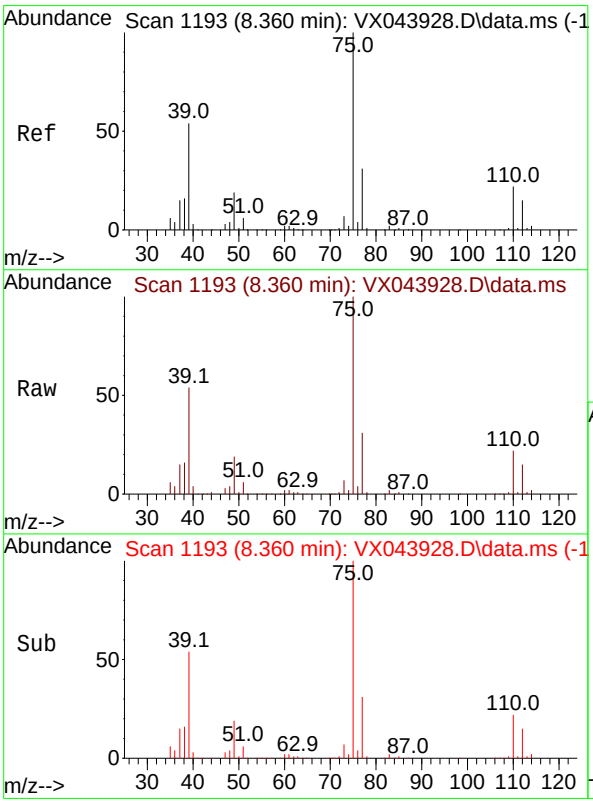
#53
t-1,3-Dichloropropene
Concen: 57.881 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 137451

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

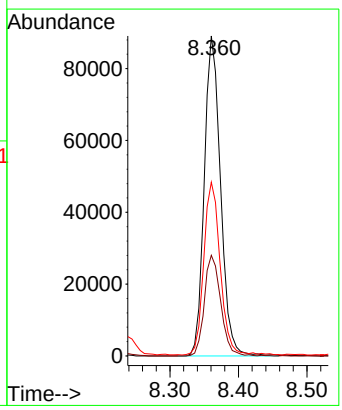


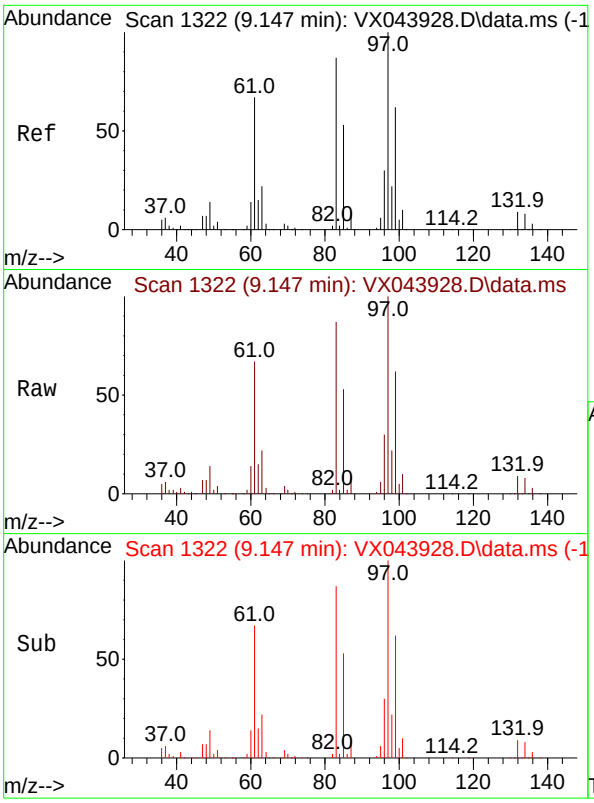


#54
cis-1,3-Dichloropropene
Concen: 56.712 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 147638

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	53.9	43.1	64.7



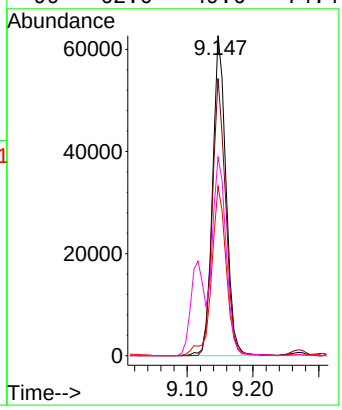


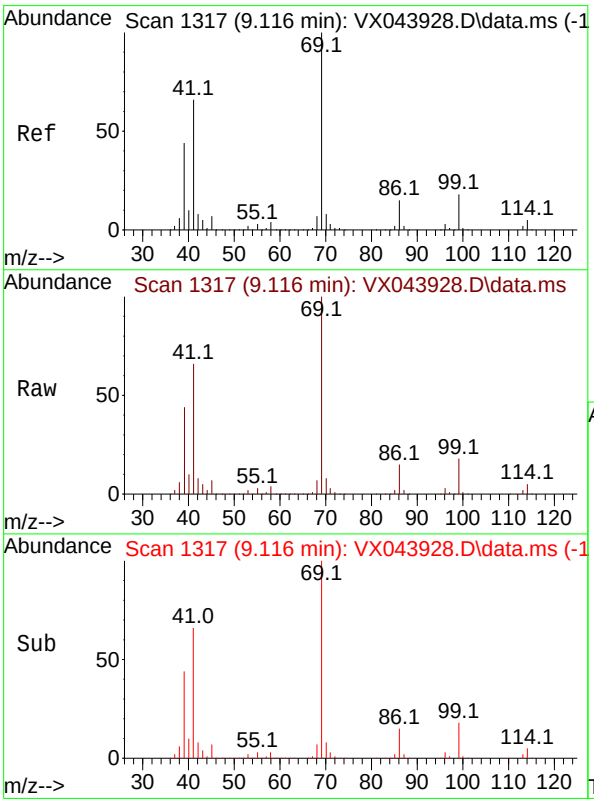
#55
1,1,2-Trichloroethane
Concen: 54.016 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 89441

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	52.9	42.3	63.5
99	62.0	49.6	74.4

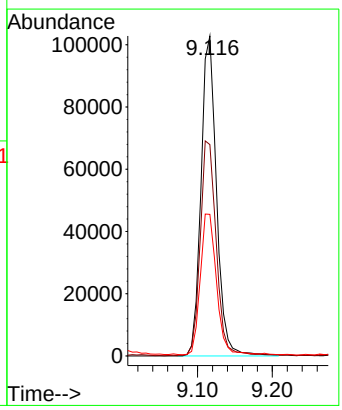


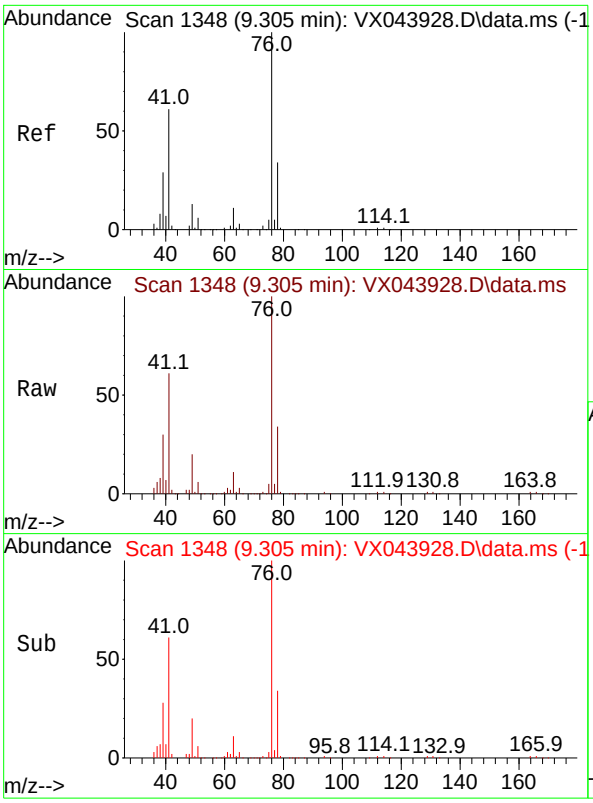


#56
Ethyl methacrylate
Concen: 57.494 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69 Resp: 148281

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	45.9	36.7	55.1



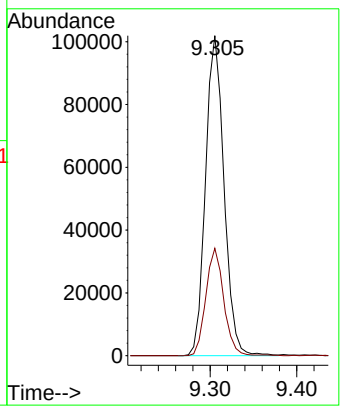


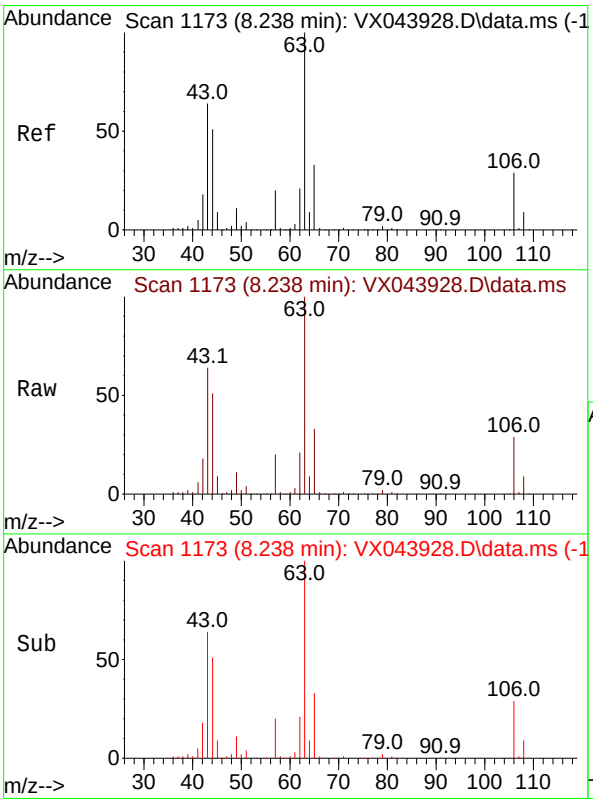
#57
1,3-Dichloropropane
Concen: 54.180 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 151124

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

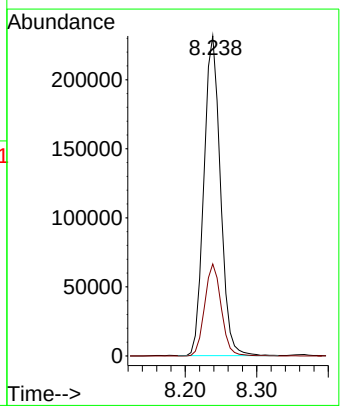


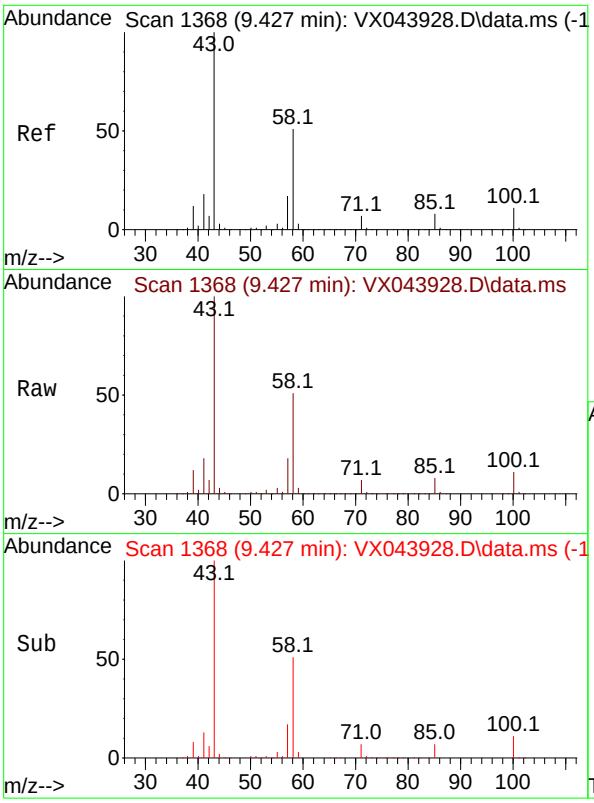


#58
2-Chloroethyl Vinyl ether
Concen: 262.805 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



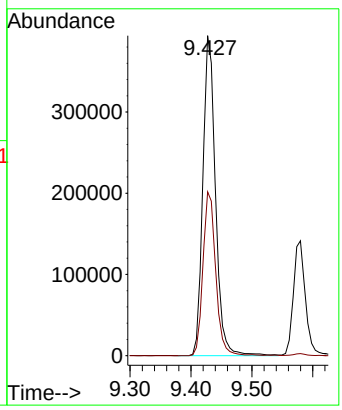


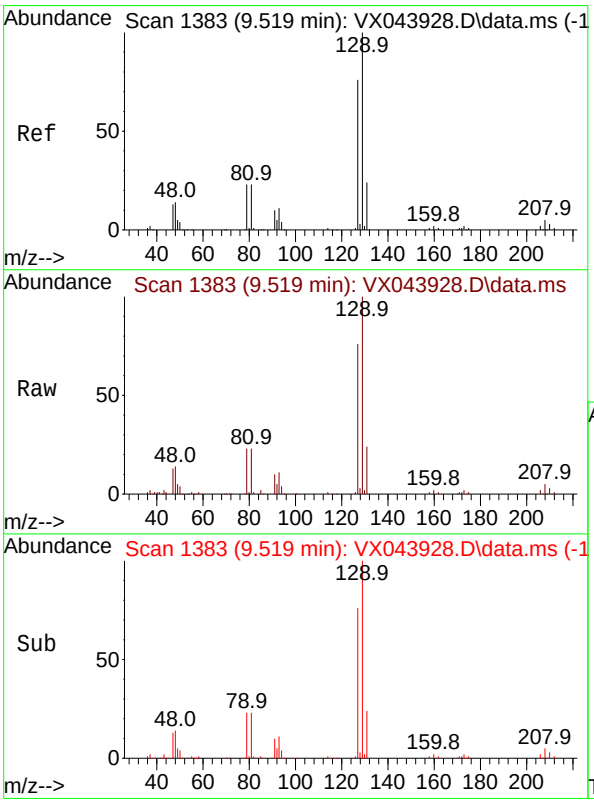
#59
2-Hexanone
Concen: 291.589 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568460

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

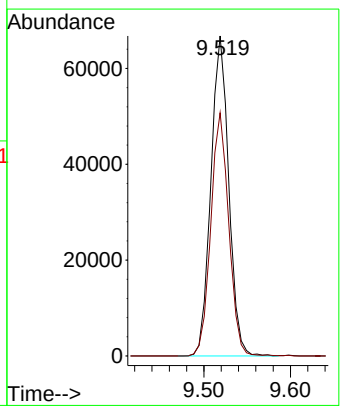


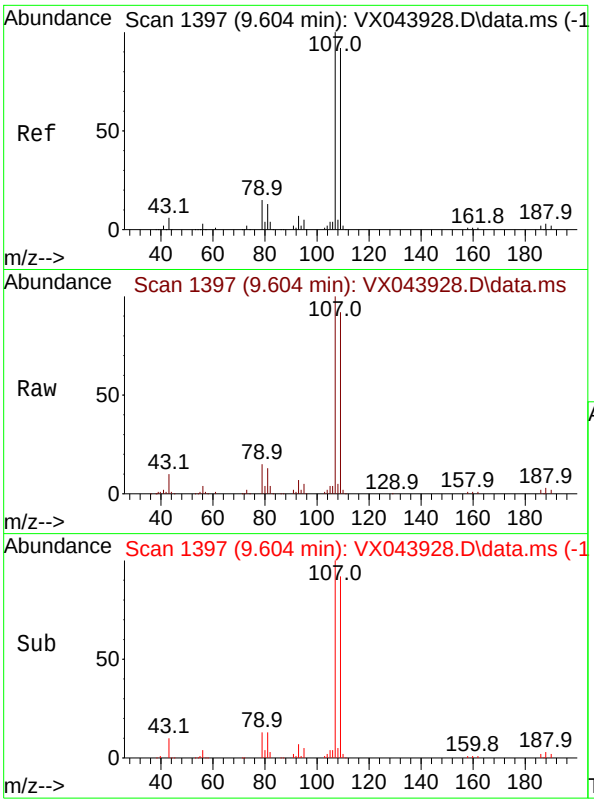


#60
Dibromochloromethane
Concen: 57.569 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.2	114.6



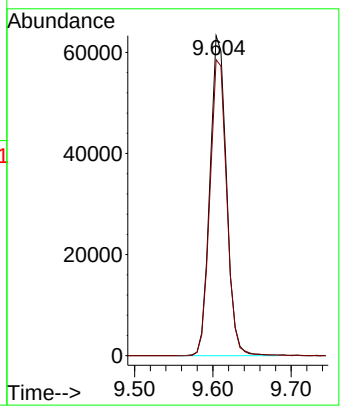


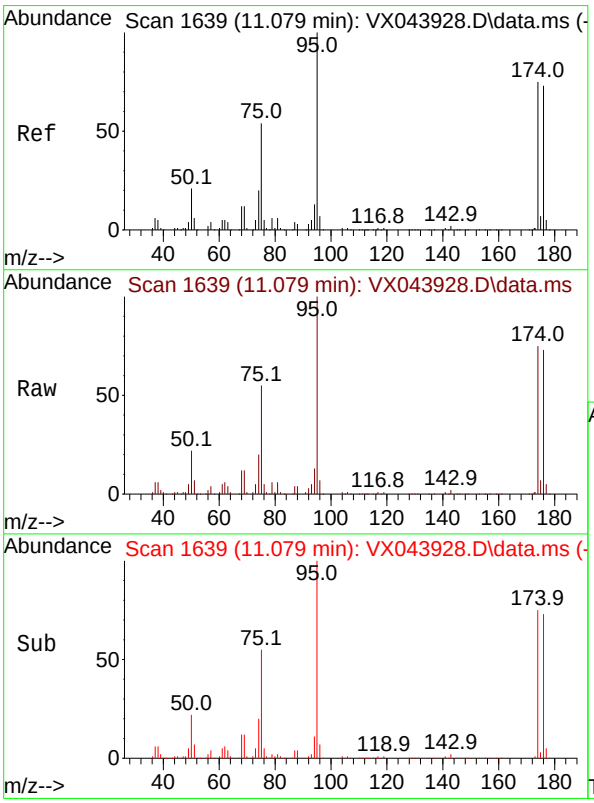
#61
1,2-Dibromoethane
Concen: 55.510 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 92940

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

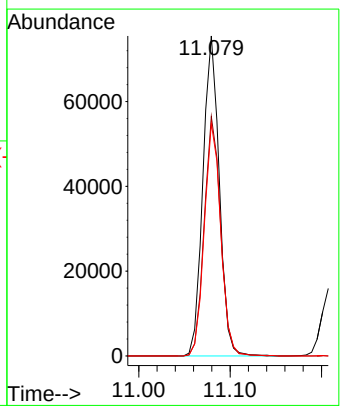


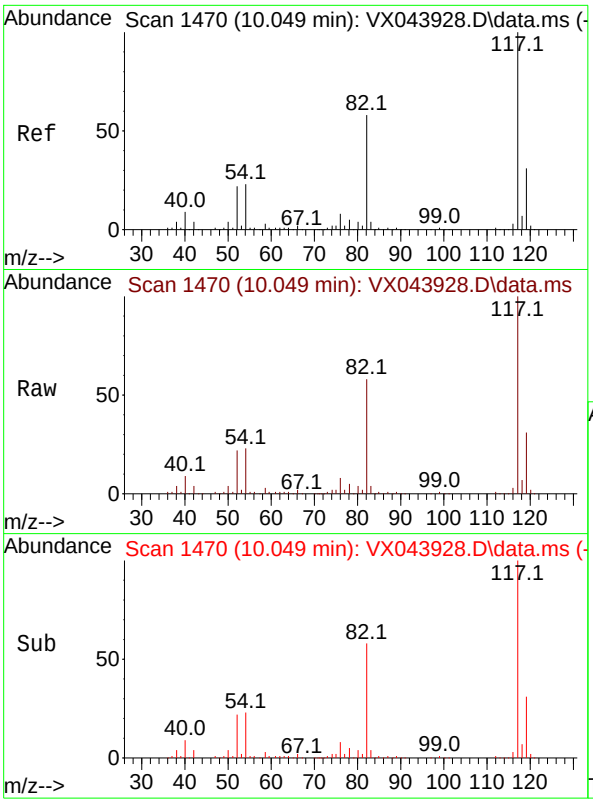


#62
4-Bromofluorobenzene
Concen: 46.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 95 Resp: 93510

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.4
176	73.0	0.0	146.0



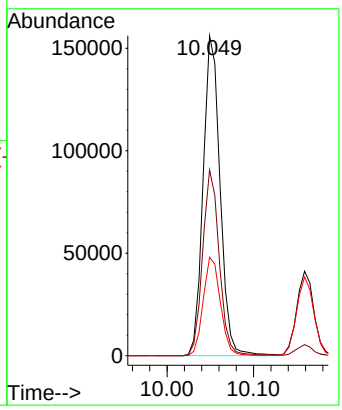


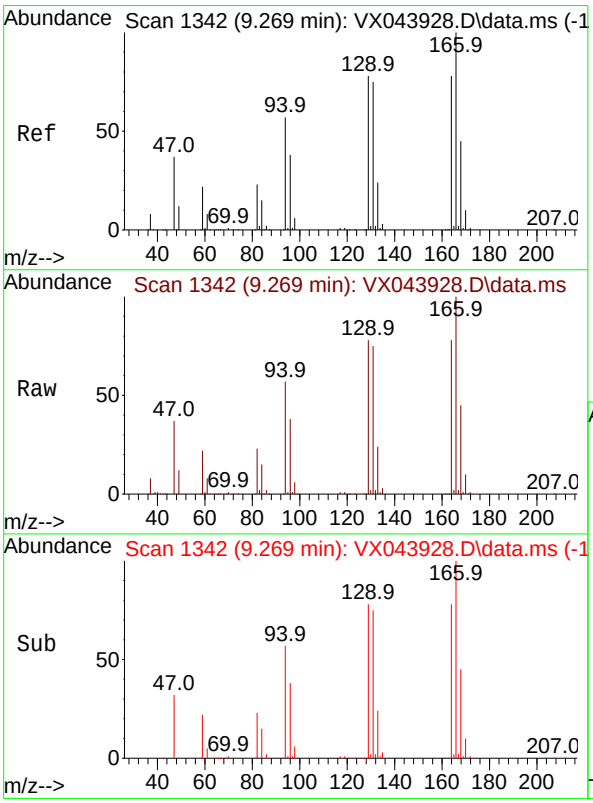
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 212243

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.4	69.6
119	30.8	24.6	37.0

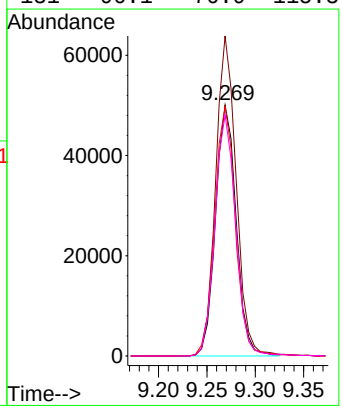


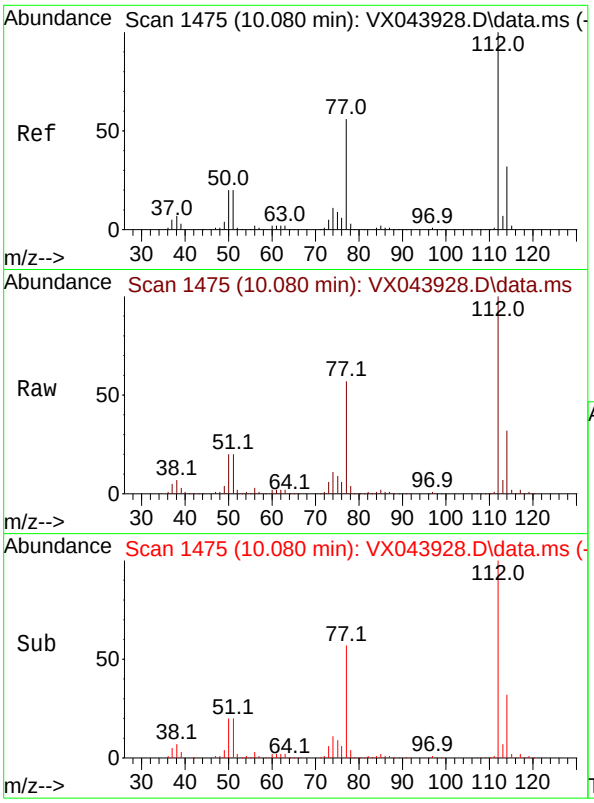


#64
Tetrachloroethene
Concen: 52.988 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	99.5	79.6	119.4
131	96.1	76.9	115.3



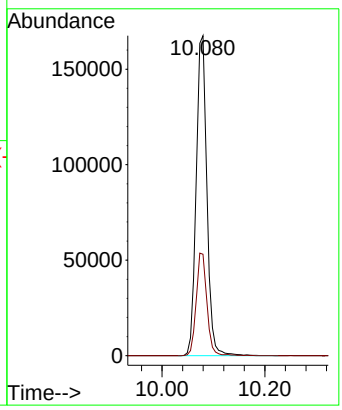


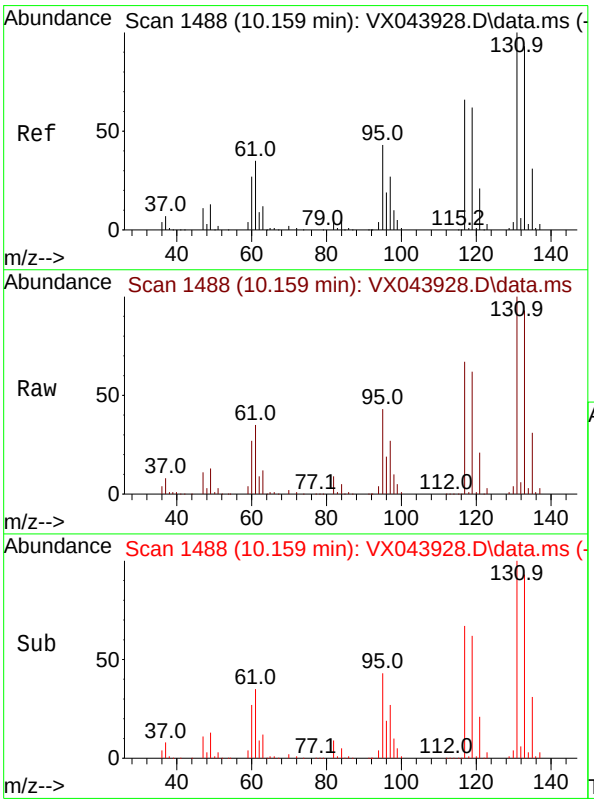
#65
Chlorobenzene
Concen: 52.147 ug/l
RT: 10.080 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 243080

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.0

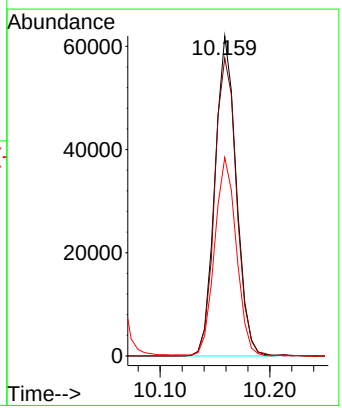


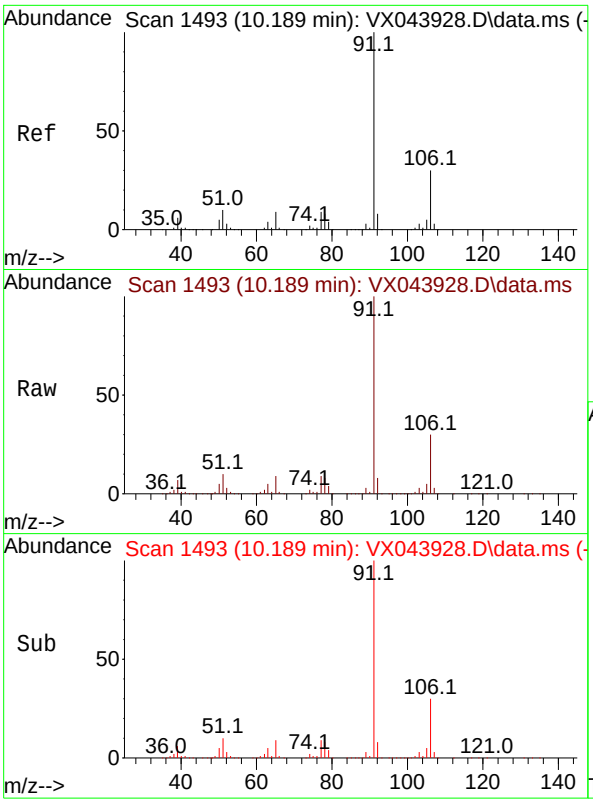


#66
1,1,1,2-Tetrachloroethane
Concen: 55.520 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.2	144.6
119	63.0	31.5	94.5



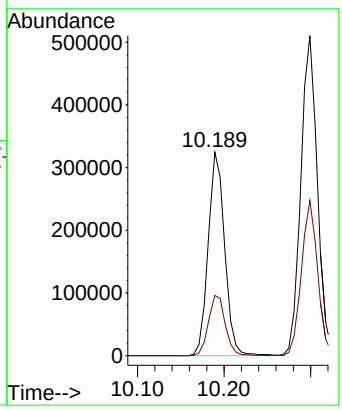


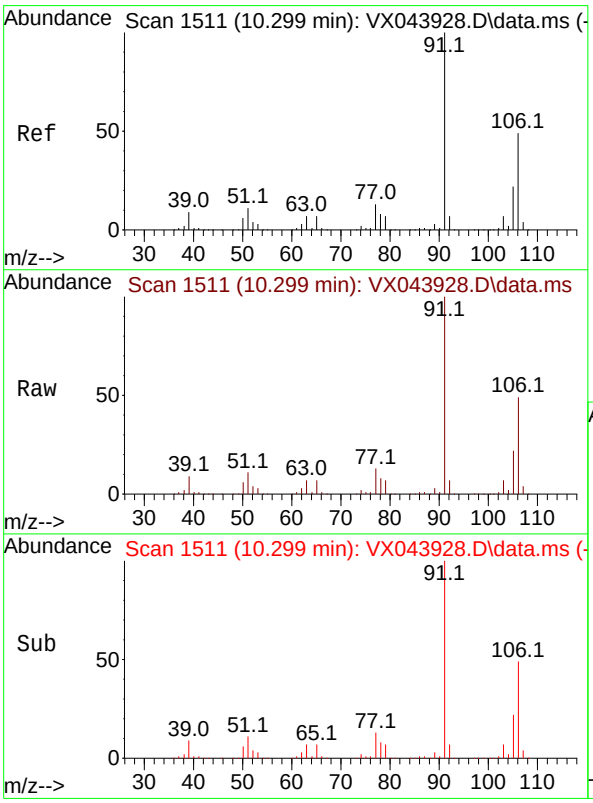
#67
Ethyl Benzene
Concen: 54.383 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 429559

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.6	35.4

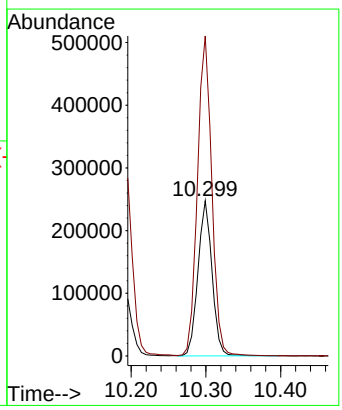


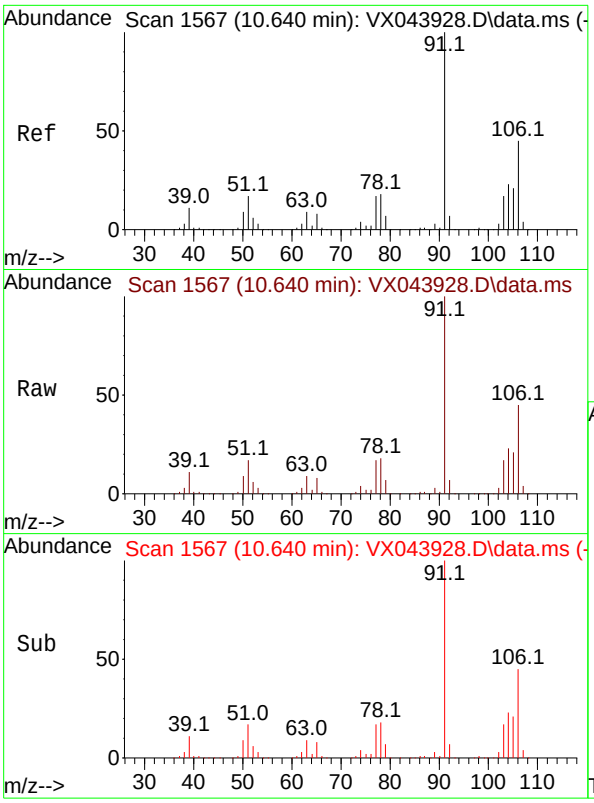


#68
m/p-Xylenes
Concen: 109.878 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

Ion	Ratio	Lower	Upper
106	100		
91	210.1	168.1	252.1



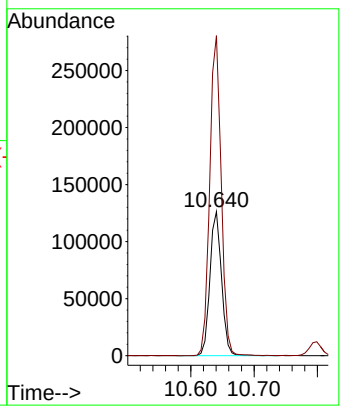


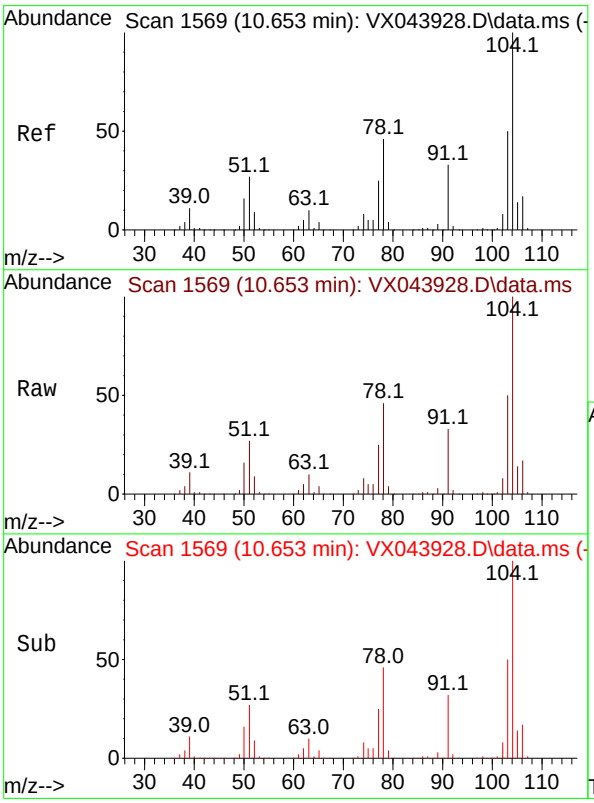
#69
o-Xylene
Concen: 55.856 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 160643

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6

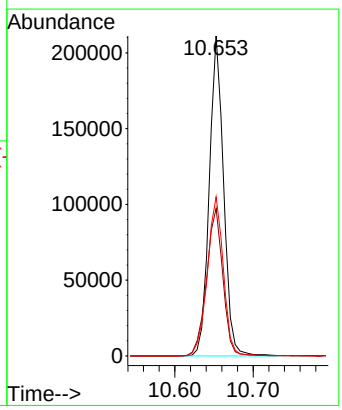


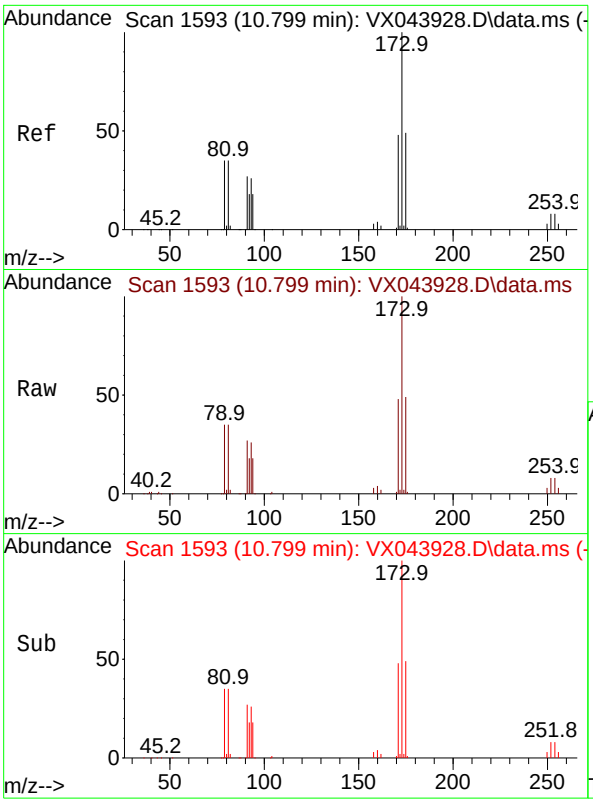


#70
Styrene
Concen: 56.341 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.2	63.2
103	55.9	44.7	67.1



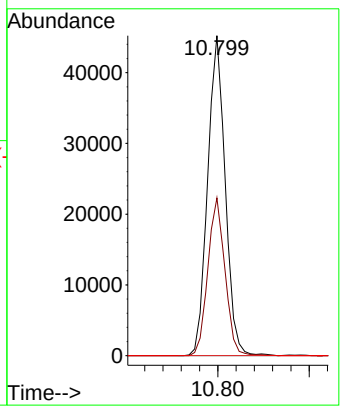


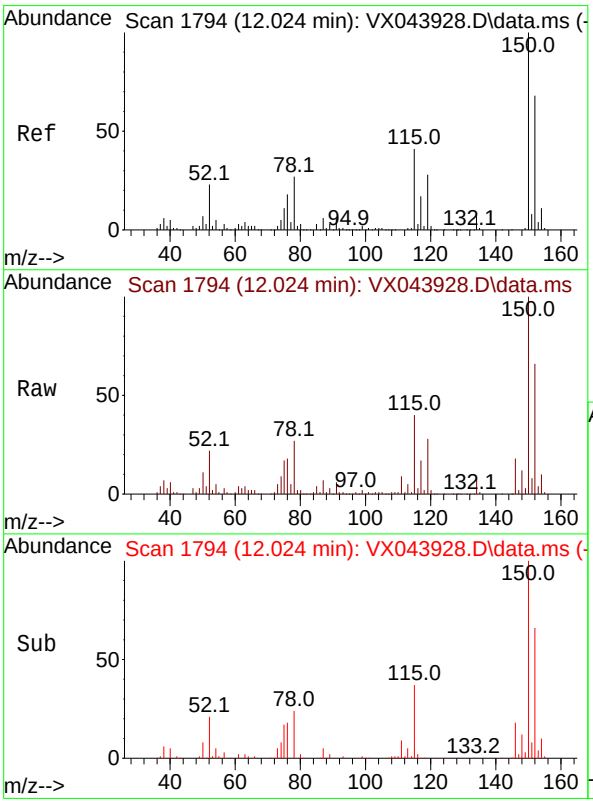
#71
Bromoform
Concen: 52.275 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 60267

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

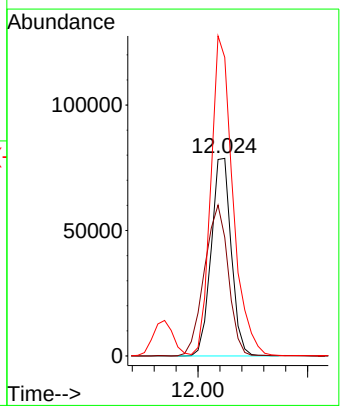


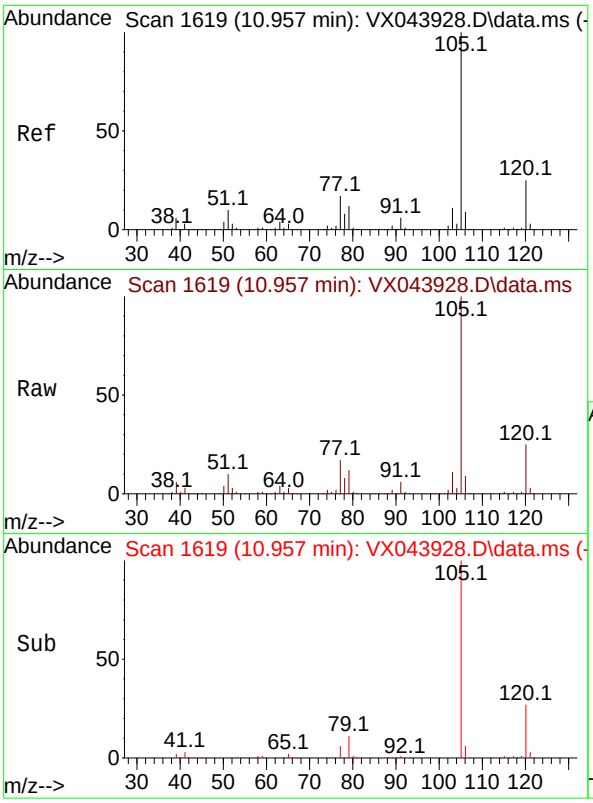


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316

Ion	Ratio	Lower	Upper
152	100		
115	90.8	45.4	136.2
150	176.5	0.0	353.0



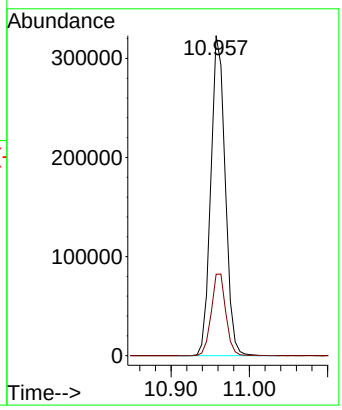


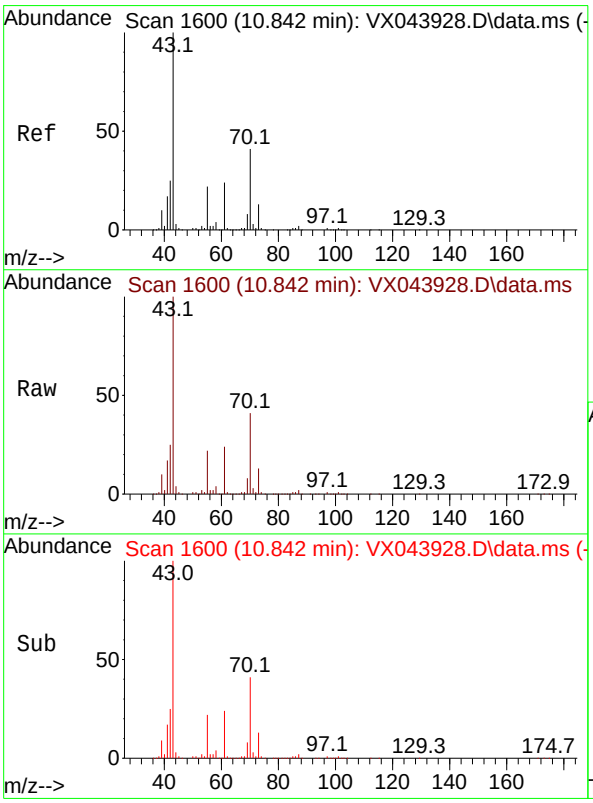
#73
Isopropylbenzene
Concen: 53.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 411000

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

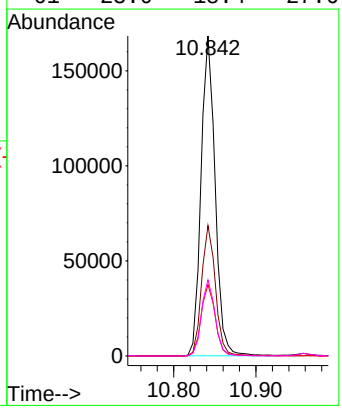


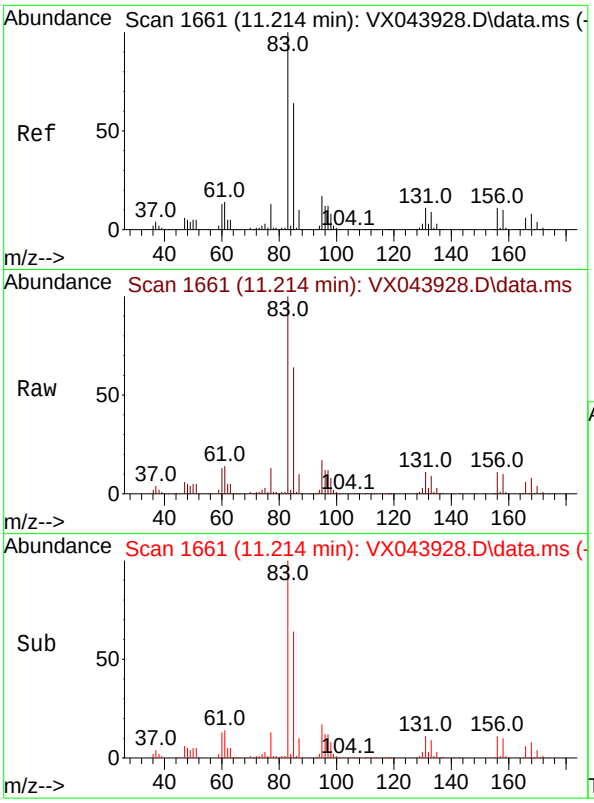


#74
N-amyl acetate
Concen: 56.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	22.6	18.1	27.1
61	23.0	18.4	27.6



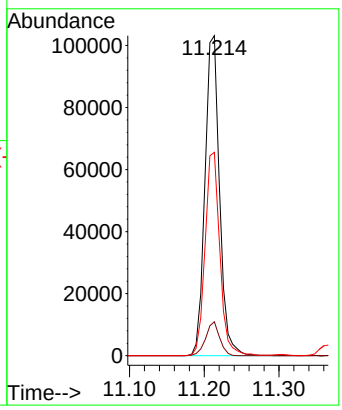


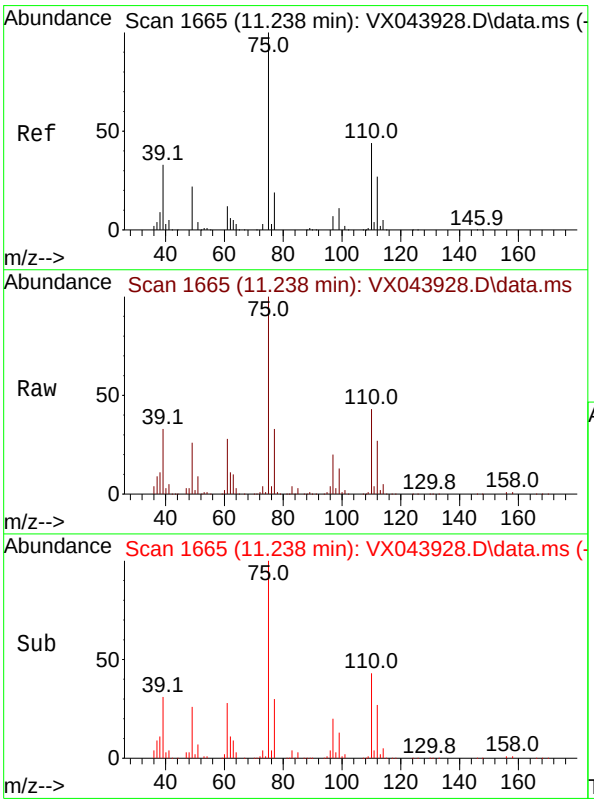
#75
1,1,2,2-Tetrachloroethane
Concen: 52.930 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 139756

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.4	32.2	96.6

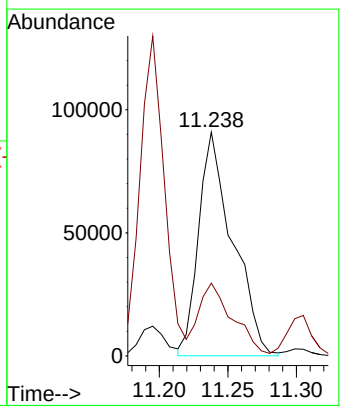


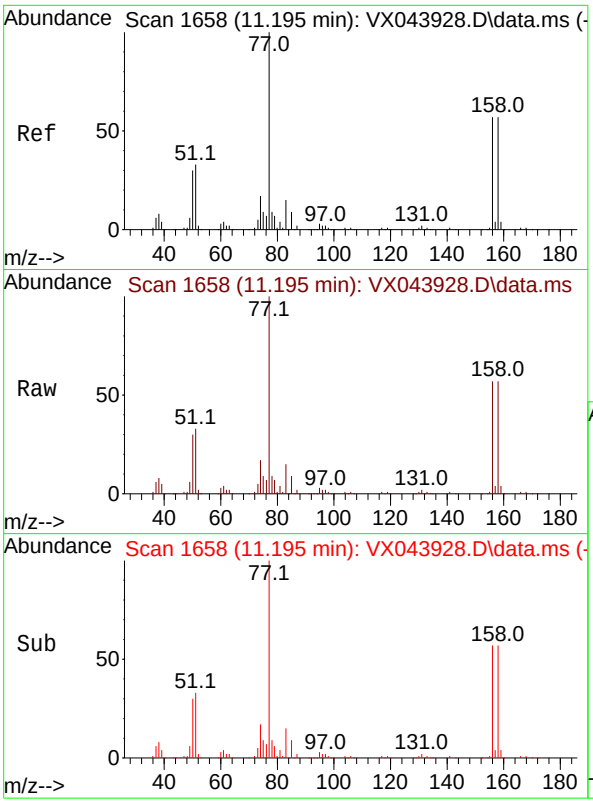


#76
1,2,3-Trichloropropane
Concen: 72.666 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 157199

Ion	Ratio	Lower	Upper
75	100		
77	32.8	21.8	65.3



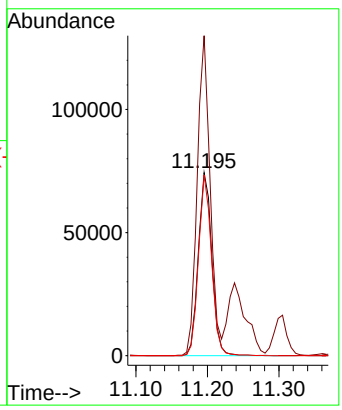


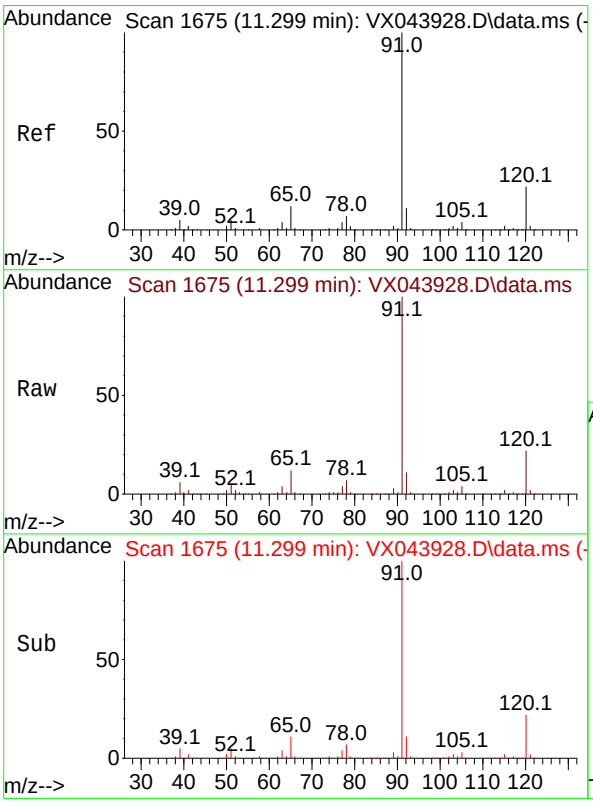
#77
Bromobenzene
Concen: 53.145 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 97761

Ion	Ratio	Lower	Upper
156	100		
77	166.7	83.4	250.1
158	95.2	47.6	142.8

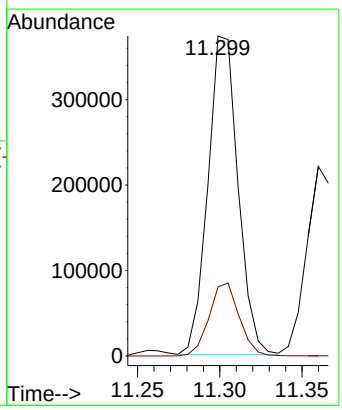


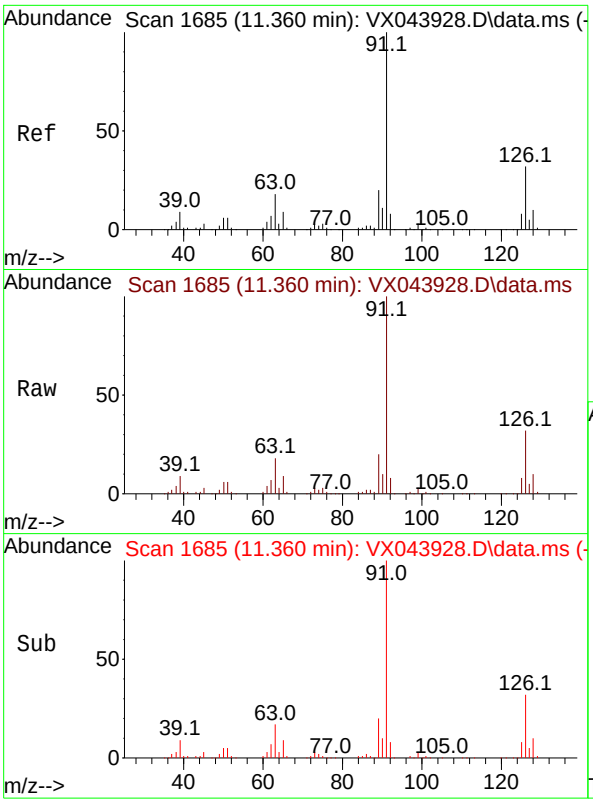


#78
n-propylbenzene
Concen: 55.131 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4



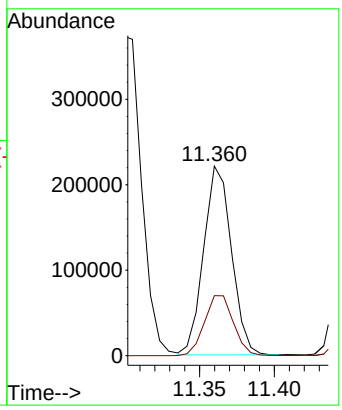


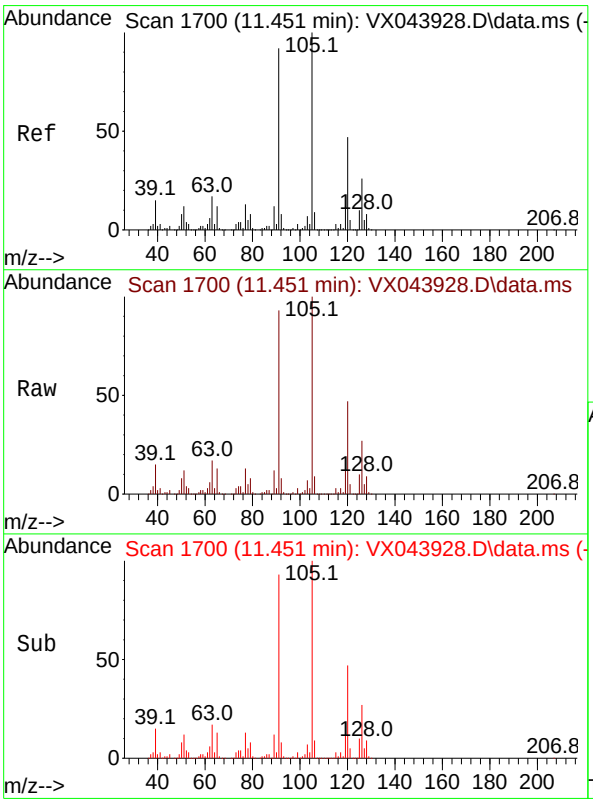
#79
2-Chlorotoluene
Concen: 52.636 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 286649

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8

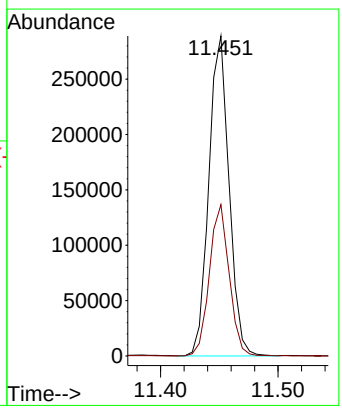


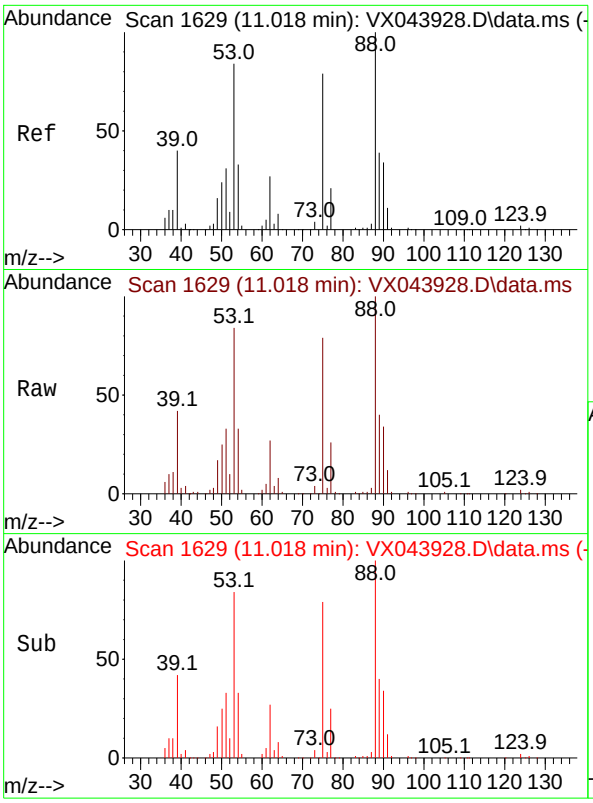


#80
1,3,5-Trimethylbenzene
Concen: 54.465 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8



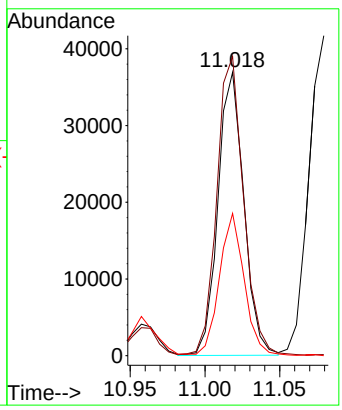


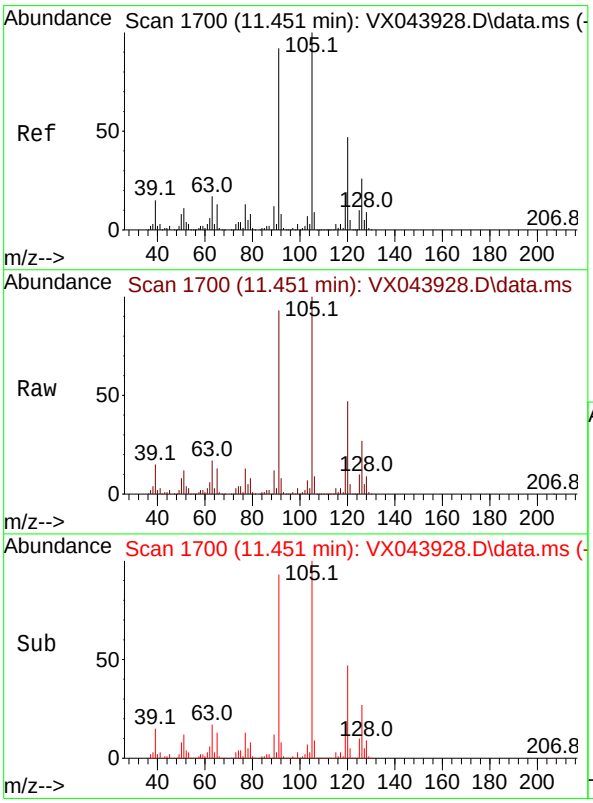
#81
trans-1,4-Dichloro-2-butene
Concen: 55.136 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 44450

Ion	Ratio	Lower	Upper
75	100		
53	108.4	86.7	130.1
89	47.7	38.2	57.2

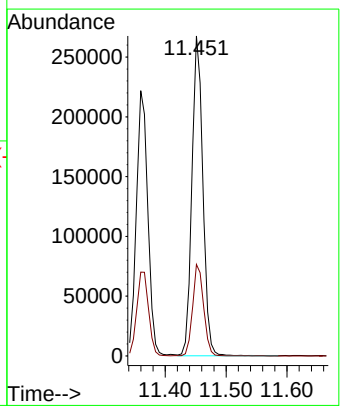


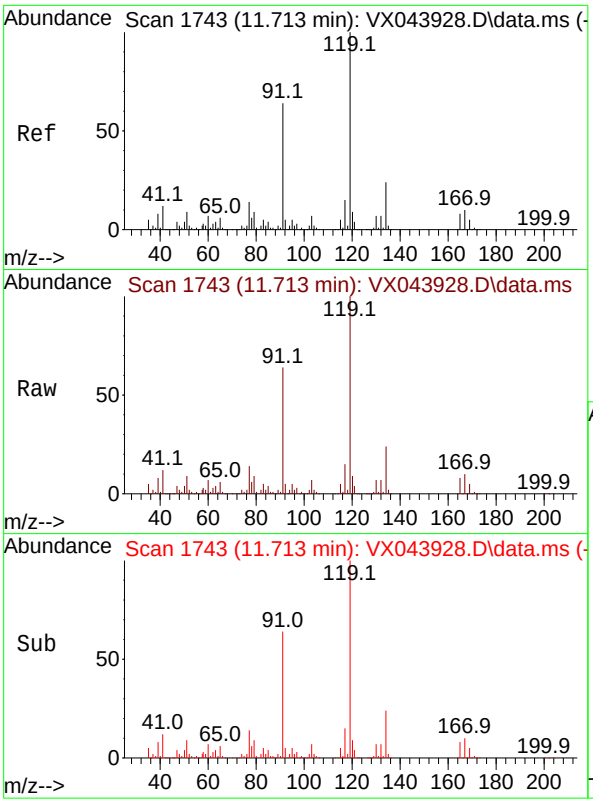


#82
4-Chlorotoluene
Concen: 54.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



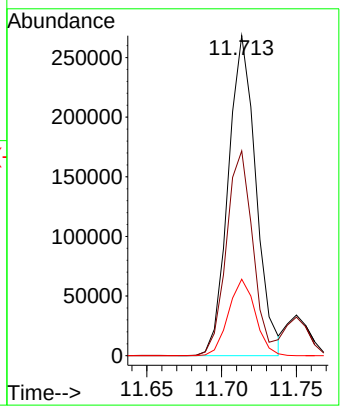


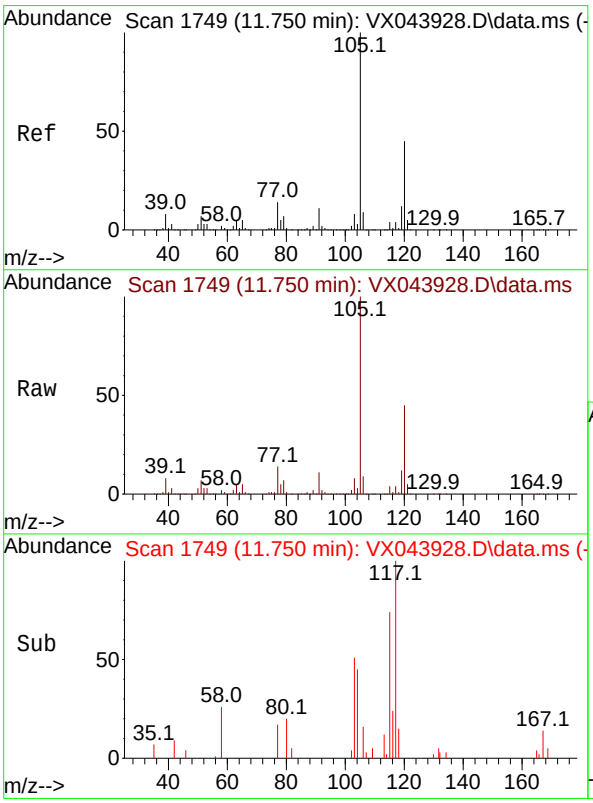
#83
tert-Butylbenzene
Concen: 54.884 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 345112

Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.0	93.0
134	23.2	11.6	34.8

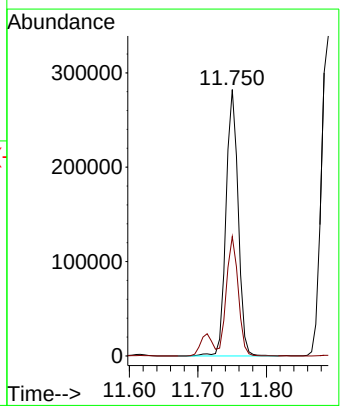


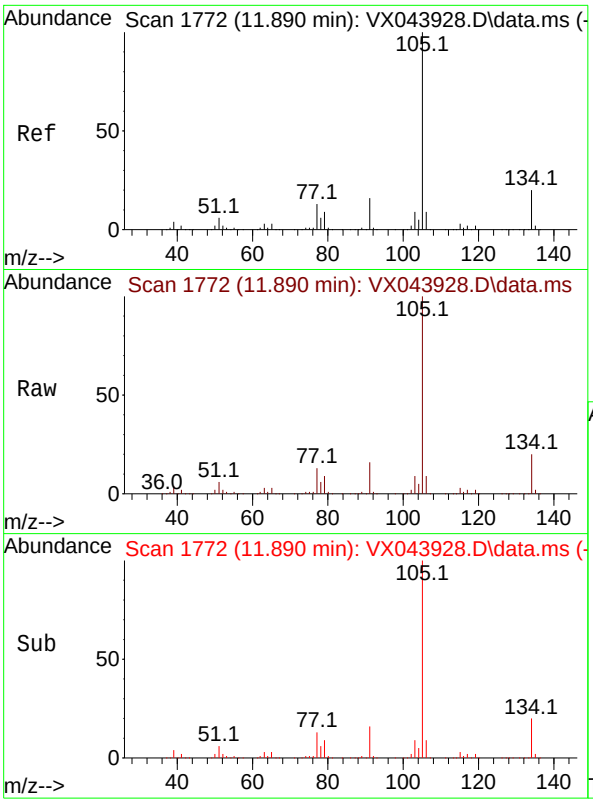


#84
1,2,4-Trimethylbenzene
Concen: 54.640 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7



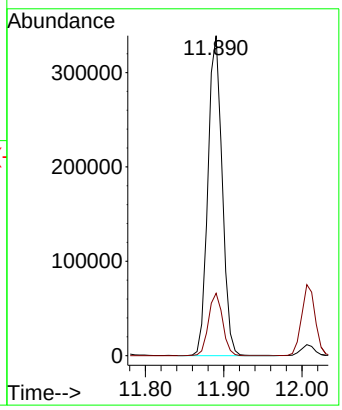


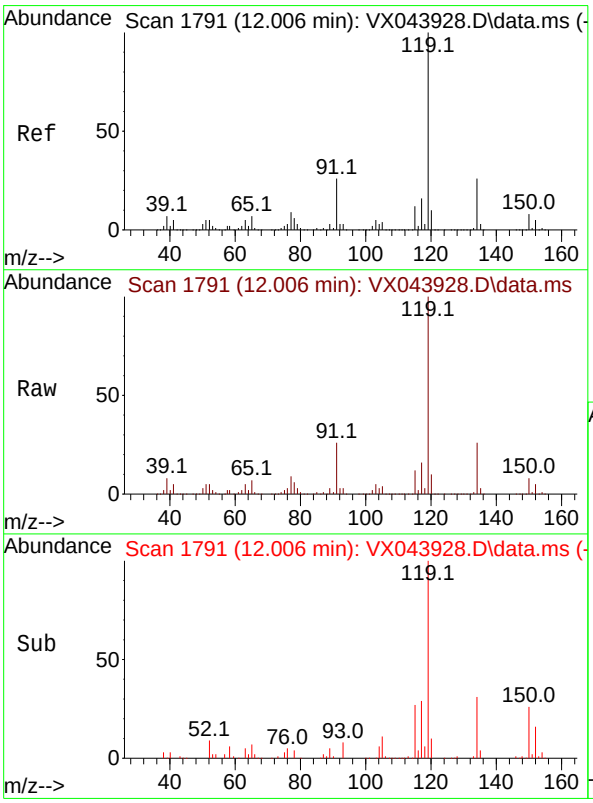
#85
sec-Butylbenzene
Concen: 55.331 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 426284

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

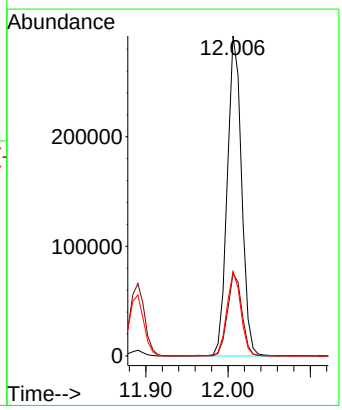


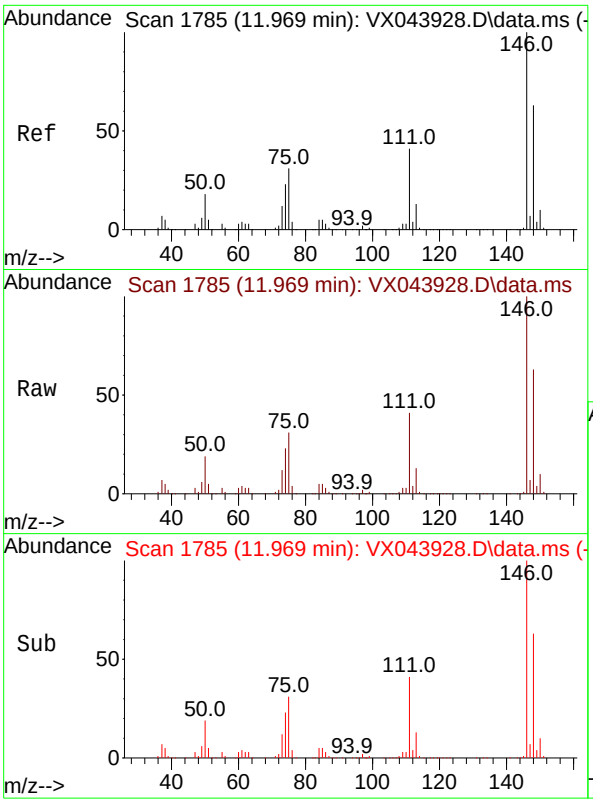


#86
p-Isopropyltoluene
Concen: 56.448 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.9	13.0	38.9



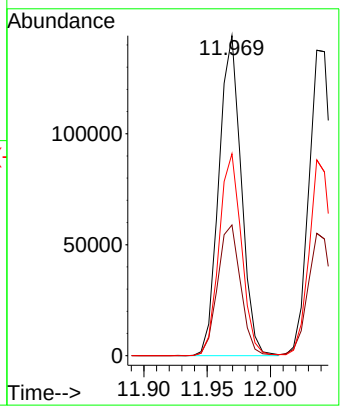


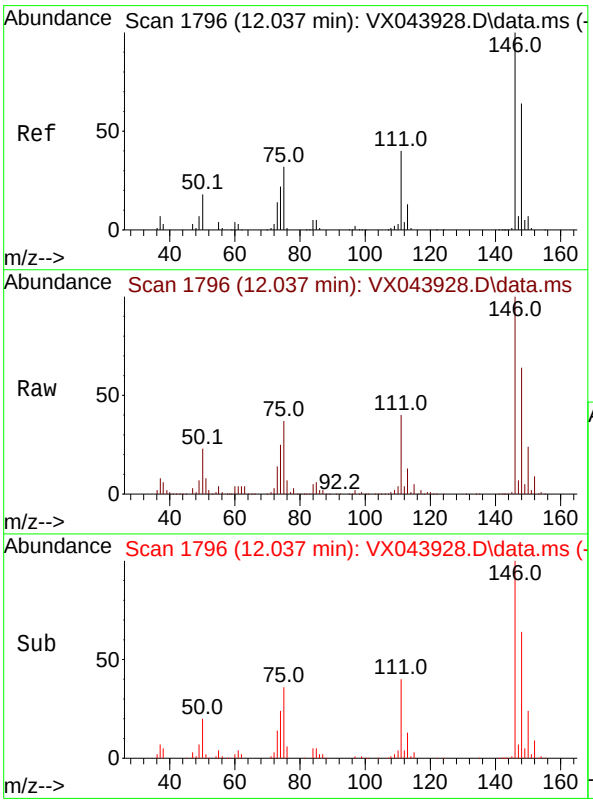
#87
1,3-Dichlorobenzene
Concen: 52.812 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 176936

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.4	31.7	95.1

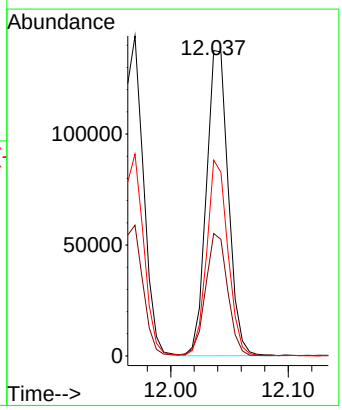


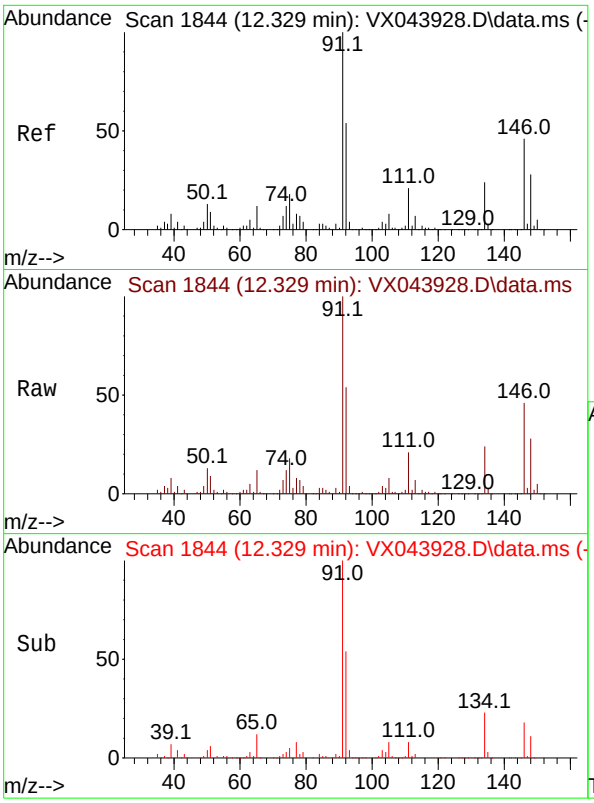


#88
1,4-Dichlorobenzene
Concen: 52.530 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	61.9	30.9	92.8



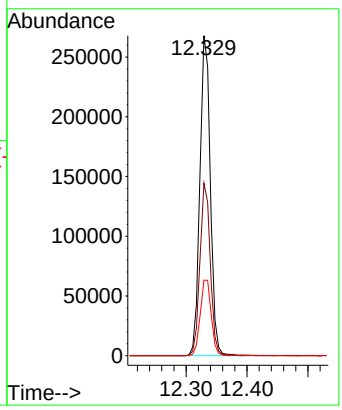


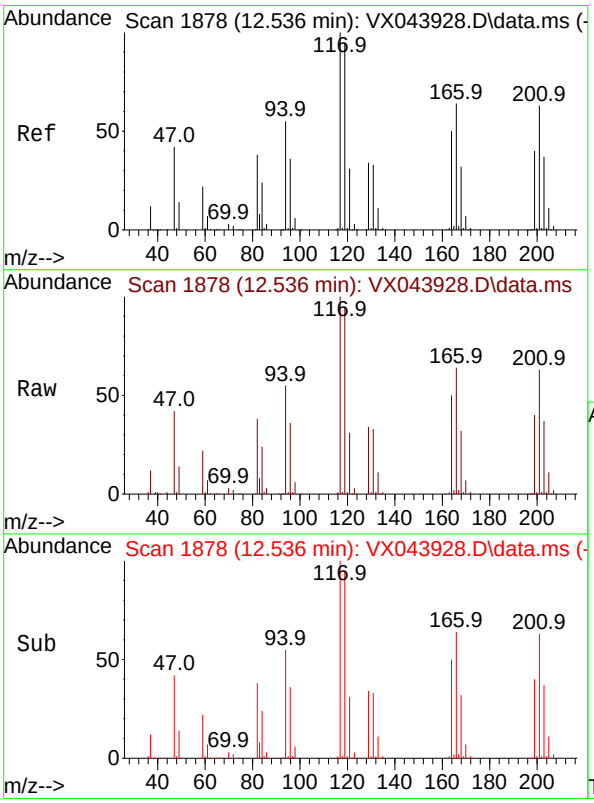
#89
n-Butylbenzene
Concen: 57.897 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 319448

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2

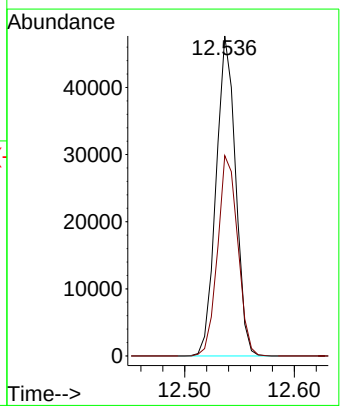


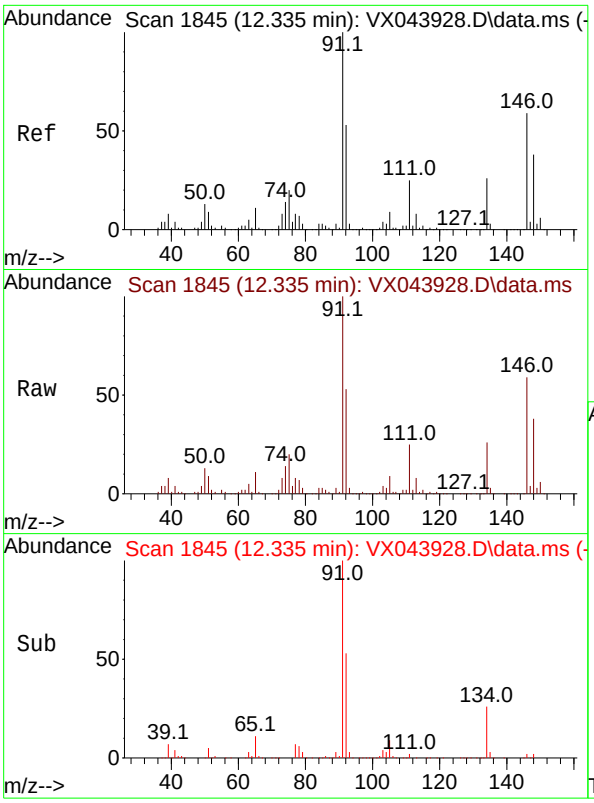


#90
Hexachloroethane
Concen: 55.453 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 59010

Ion	Ratio	Lower	Upper
117	100		
201	64.7	32.4	97.0



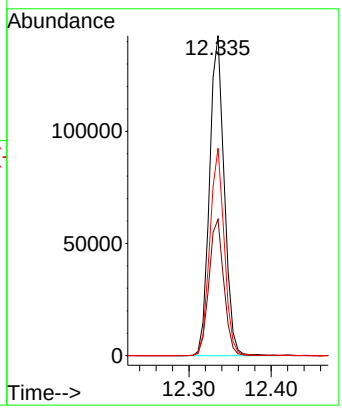


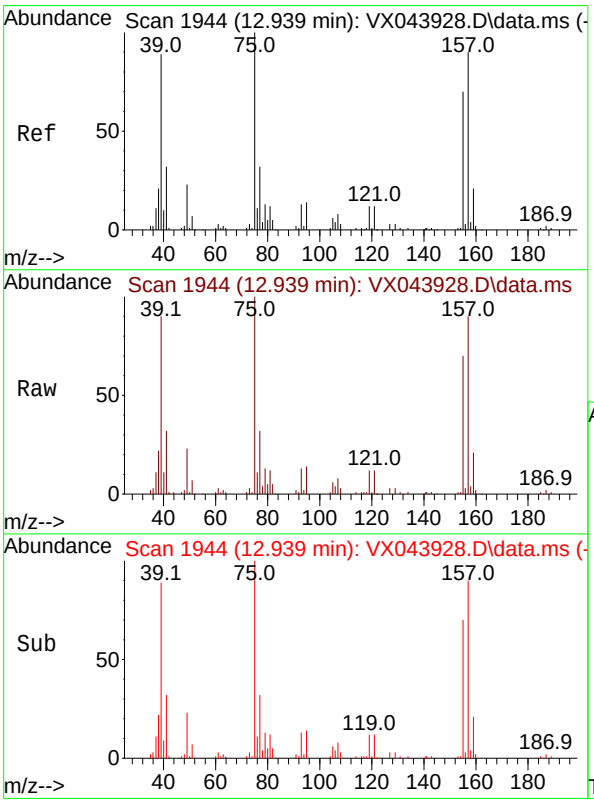
#91
1,2-Dichlorobenzene
Concen: 52.449 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 177334

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.7	31.9	95.5

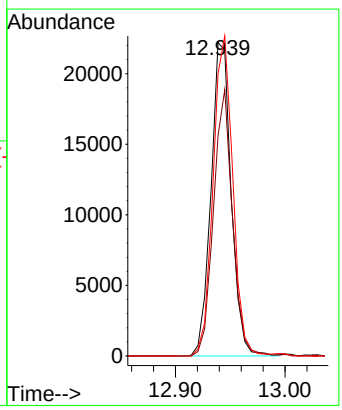


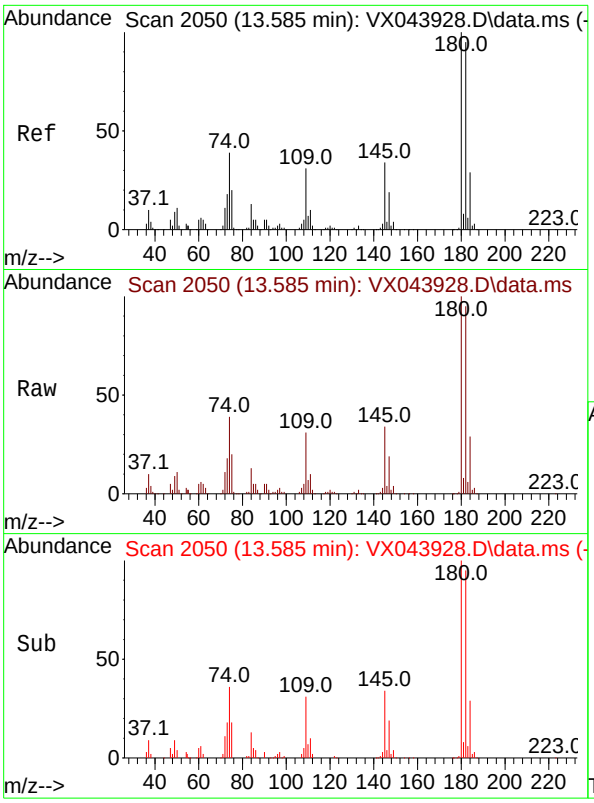


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.806 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.1	120.2
157	99.3	49.6	149.0



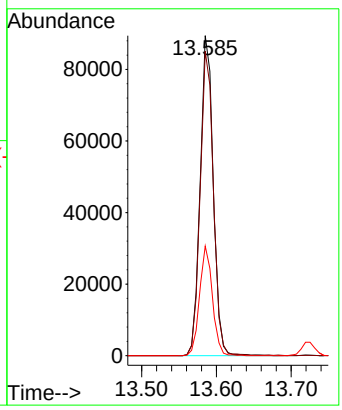


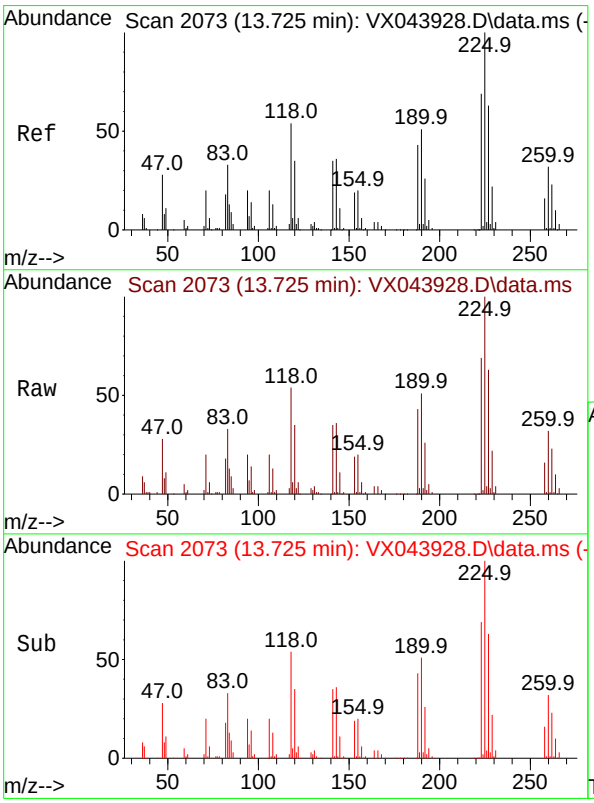
#93
1,2,4-Trichlorobenzene
Concen: 54.556 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 108749

Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	33.6	16.8	50.4

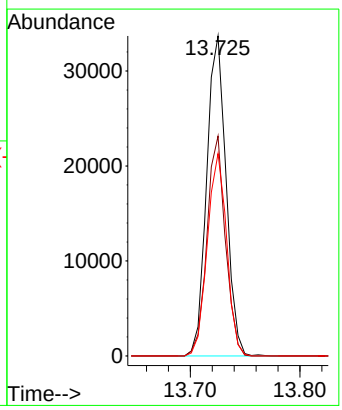


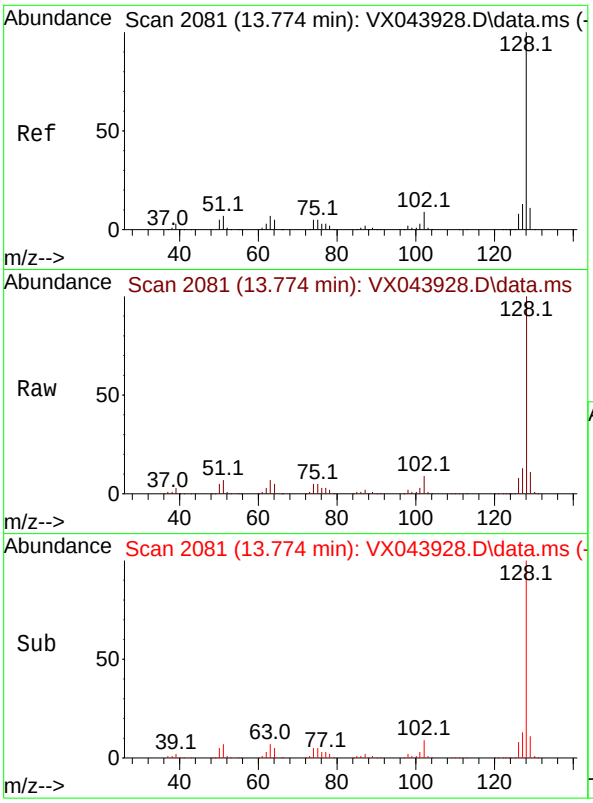


#94
Hexachlorobutadiene
Concen: 52.382 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:225 Resp: 41267

Ion	Ratio	Lower	Upper
225	100		
223	65.7	32.9	98.6
227	63.2	31.6	94.8



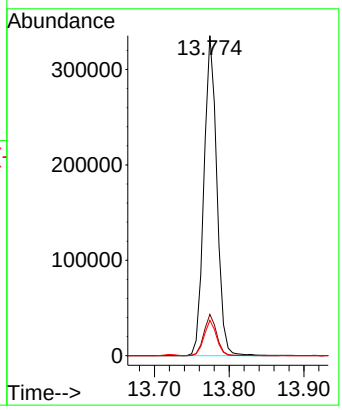


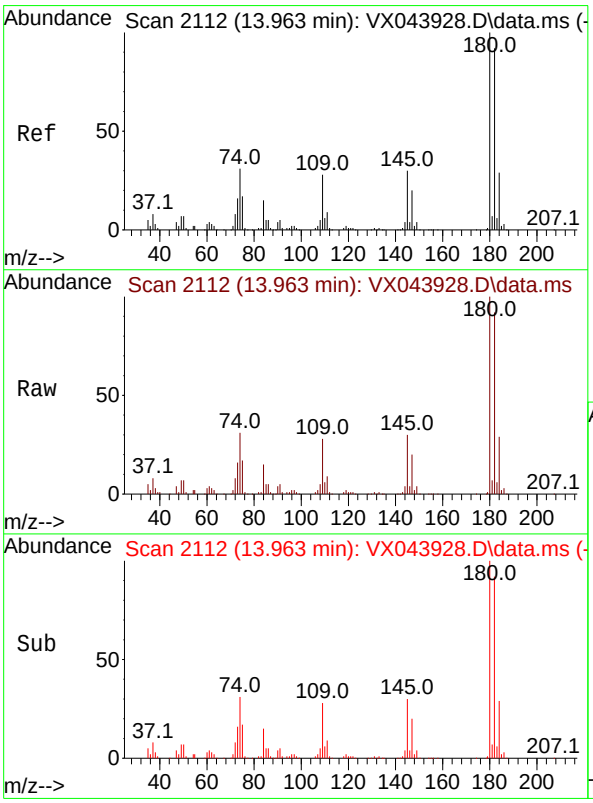
#95
Naphthalene
Concen: 55.990 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 401752

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

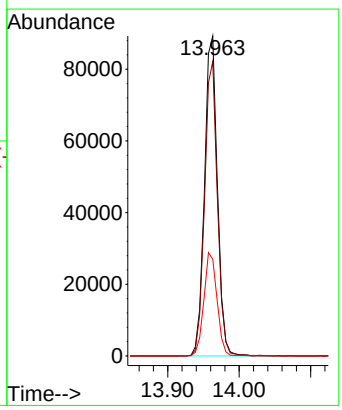




#96
1,2,3-Trichlorobenzene
Concen: 55.593 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162

Ion	Ratio	Lower	Upper
180	100		
182	91.2	45.6	136.8
145	32.9	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	236531	99.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 199.400%#			
35) Dibromofluoromethane	5.379	113	176869	100.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.900%#			
50) Toluene-d8	8.647	98	607337	100.062	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.120%#			
62) 4-Bromofluorobenzene	11.079	95	215953	104.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 209.080%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	94.820	ug/l	99
3) Chloromethane	1.295	50	183899	99.735	ug/l	100
4) Vinyl Chloride	1.374	62	192221	98.011	ug/l	98
5) Bromomethane	1.593	94	118792	98.459	ug/l	98
6) Chloroethane	1.660	64	101816	85.198	ug/l	99
7) Trichlorofluoromethane	1.868	101	354375	101.066	ug/l	100
8) Diethyl Ether	2.136	74	125840	98.466	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	97.448	ug/l	99
10) Methyl Iodide	2.441	142	213858	102.378	ug/l	99
11) Tert butyl alcohol	3.002	59	184757	485.208	ug/l	99
12) 1,1-Dichloroethene	2.307	96	158111	99.205	ug/l	97
13) Acrolein	2.240	56	200929	500.625	ug/l	97
14) Allyl chloride	2.654	41	276068	106.008	ug/l	98
15) Acrylonitrile	3.069	53	458624	494.243	ug/l	98
16) Acetone	2.386	43	511112	469.087	ug/l	99
17) Carbon Disulfide	2.502	76	367958	111.925	ug/l	99
18) Methyl Acetate	2.703	43	247225	97.433	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	597600	103.267	ug/l	100
20) Methylene Chloride	2.782	84	178008	96.271	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	100.875	ug/l	93
22) Diisopropyl ether	3.764	45	572855	102.872	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	539.590	ug/l	100
24) 1,1-Dichloroethane	3.605	63	327756	102.025	ug/l	99
25) 2-Butanone	4.562	43	690992	491.491	ug/l	99
26) 2,2-Dichloropropane	4.471	77	299254	103.146	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	206207	101.381	ug/l	99
28) Bromochloromethane	4.898	49	138227	97.752	ug/l	97
29) Tetrahydrofuran	5.007	42	419743	486.991	ug/l	99
30) Chloroform	5.087	83	350923	101.565	ug/l	97
31) Cyclohexane	5.458	56	256114	96.865	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	309469	103.862	ug/l	99
36) 1,1-Dichloropropene	5.684	75	222573	101.439	ug/l	98
37) Ethyl Acetate	4.715	43	265631	97.527	ug/l	99
38) Carbon Tetrachloride	5.672	117	256290	103.953	ug/l	99
39) Methylcyclohexane	7.373	83	283075	99.308	ug/l	97
40) Benzene	6.032	78	684139	100.099	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143256	102.765	ug/l		97
42) 1,2-Dichloroethane	6.080	62	271641	98.961	ug/l		99
43) Isopropyl Acetate	6.342	43	440615	101.652	ug/l		100
44) Trichloroethene	7.123	130	169796	87.759	ug/l		94
45) 1,2-Dichloropropane	7.428	63	170741	101.998	ug/l		100
46) Dibromomethane	7.574	93	135928	102.651	ug/l		99
47) Bromodichloromethane	7.818	83	260442	109.665	ug/l		100
48) Methyl methacrylate	7.690	41	210614	101.262	ug/l		99
49) 1,4-Dioxane	7.665	88	62845	1752.518	ug/l		87
51) 4-Methyl-2-Pentanone	8.574	43	1329064	502.451	ug/l		100
52) Toluene	8.714	92	418999	102.426	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	270418	111.660	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	285627	107.584	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	167357	99.107	ug/l		97
56) Ethyl methacrylate	9.116	69	286893	109.076	ug/l		98
57) 1,3-Dichloropropane	9.305	76	285511	100.370	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	489.972	ug/l		100
59) 2-Hexanone	9.433	43	1011261	508.639	ug/l		99
60) Dibromochloromethane	9.519	129	187476	110.653	ug/l		98
61) 1,2-Dibromoethane	9.610	107	176345	103.278	ug/l		100
64) Tetrachloroethene	9.269	164	135740	95.484	ug/l		96
65) Chlorobenzene	10.080	112	461076	97.374	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	107.177	ug/l		99
67) Ethyl Benzene	10.189	91	812289	101.238	ug/l		99
68) m/p-Xylenes	10.299	106	603451	201.677	ug/l		100
69) o-Xylene	10.640	106	298739	102.257	ug/l		99
70) Styrene	10.653	104	511251	105.807	ug/l		99
71) Bromoform	10.799	173	123114	98.888	ug/l	#	100
73) Isopropylbenzene	10.957	105	765623	95.726	ug/l		100
74) N-amyl acetate	10.842	43	394438	106.458	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	95.779	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	297947	132.787	ug/l		82
77) Bromobenzene	11.195	156	183742	96.304	ug/l		100
78) n-propylbenzene	11.305	91	891893	99.846	ug/l		99
79) 2-Chlorotoluene	11.360	91	537190	95.103	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	98.618	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	105.289	ug/l		98
82) 4-Chlorotoluene	11.451	91	629590	98.728	ug/l		100
83) tert-Butylbenzene	11.713	119	655918	100.570	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	650156	99.244	ug/l		100
85) sec-Butylbenzene	11.890	105	793233	99.267	ug/l		99
86) p-Isopropyltoluene	12.006	119	669819	103.194	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	337665	97.171	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	343312	97.283	ug/l		98
89) n-Butylbenzene	12.329	91	605284	105.767	ug/l		99
90) Hexachloroethane	12.536	117	120913	109.549	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	341767	97.457	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	104.396	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	210571	101.849	ug/l		99
94) Hexachlorobutadiene	13.725	225	79822	97.688	ug/l		98
95) Naphthalene	13.774	128	776740	104.367	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	101.219	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

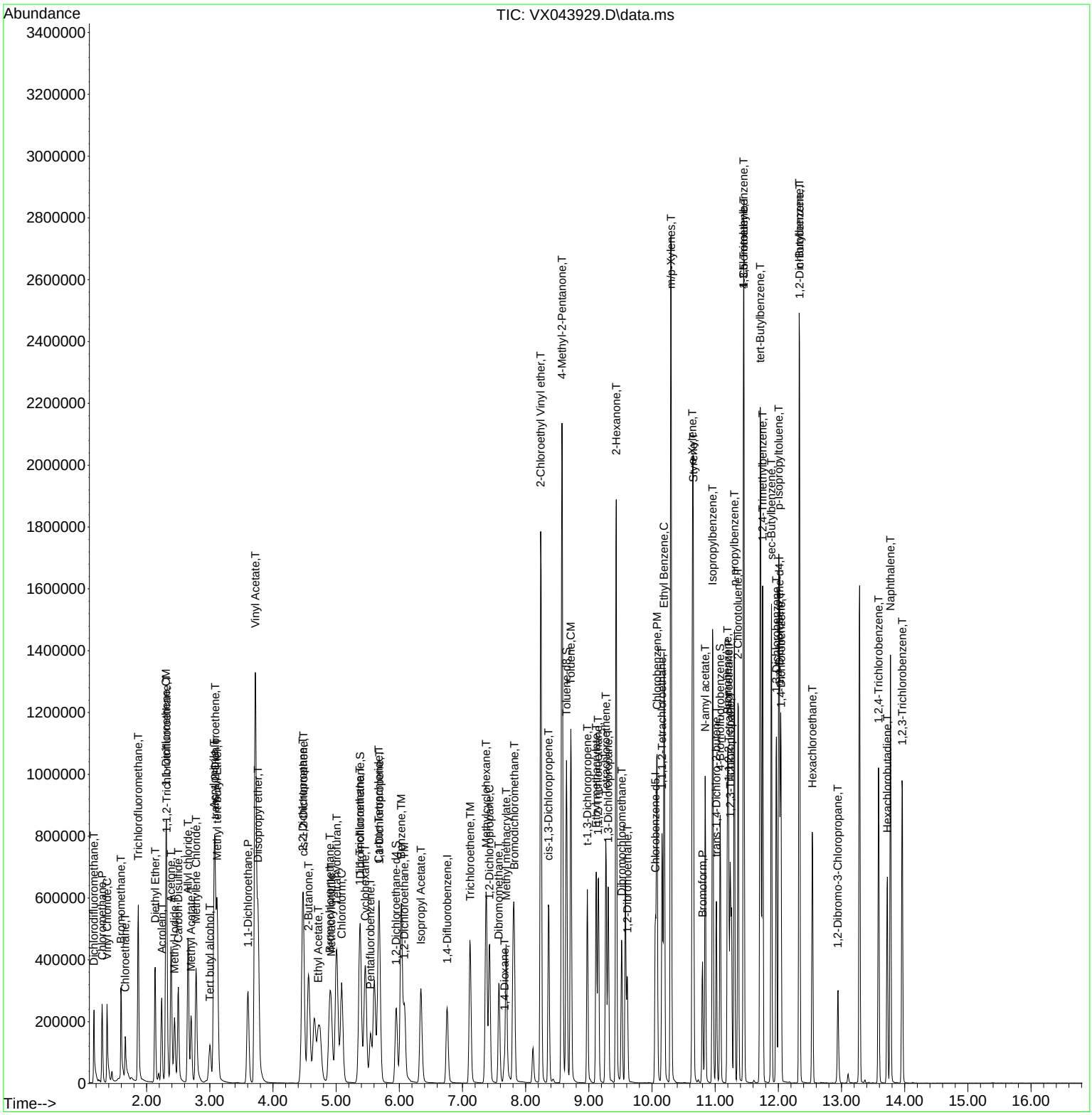
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

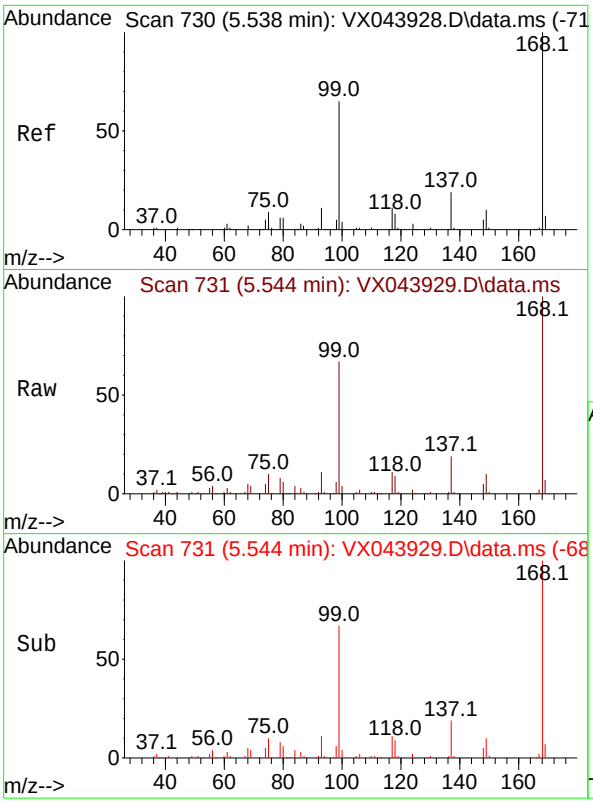
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



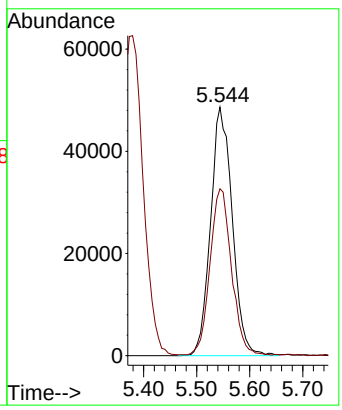


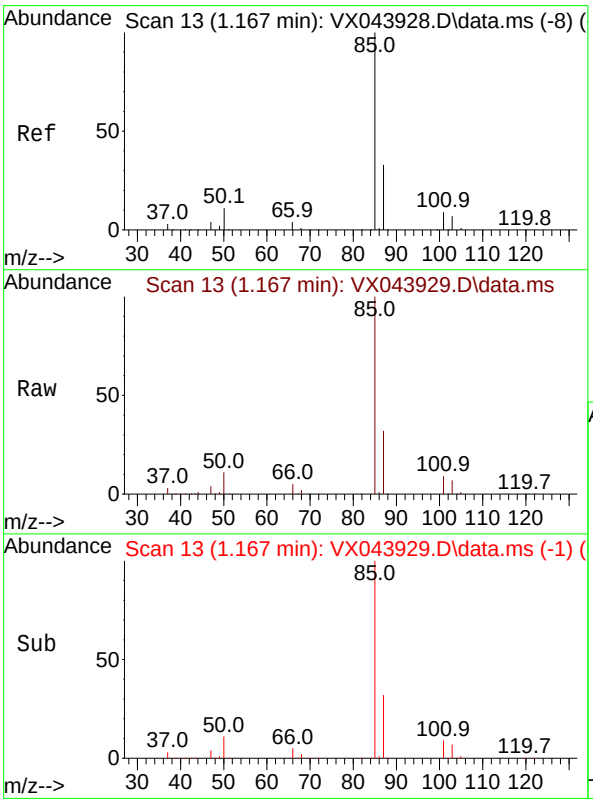
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 138314

Ion	Ratio	Lower	Upper
168	100		
99	66.7	51.8	77.8

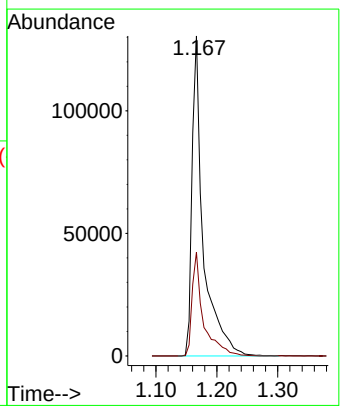


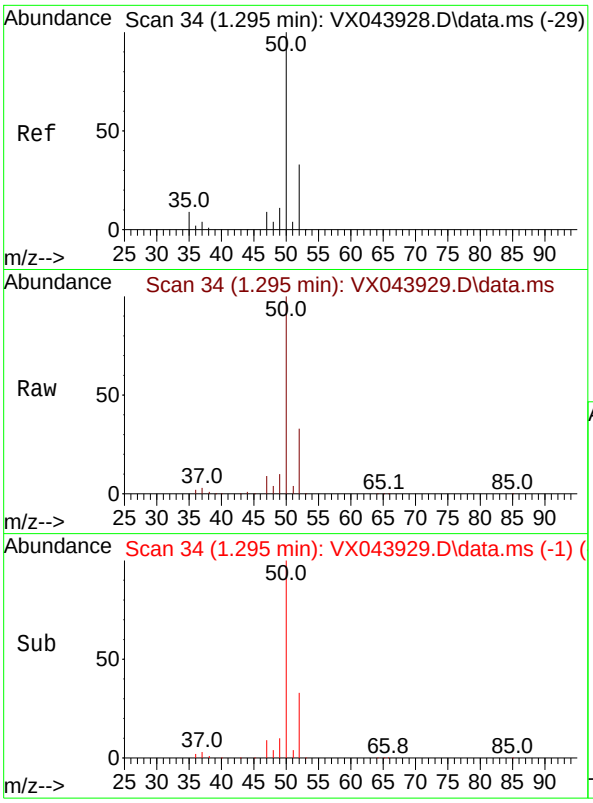


#2
Dichlorodifluoromethane
Concen: 94.820 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8



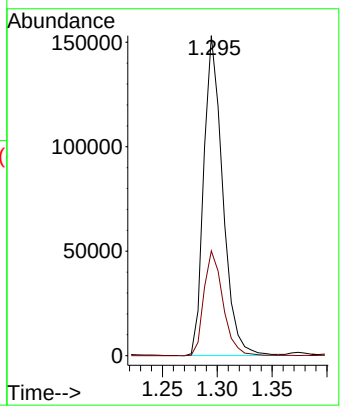


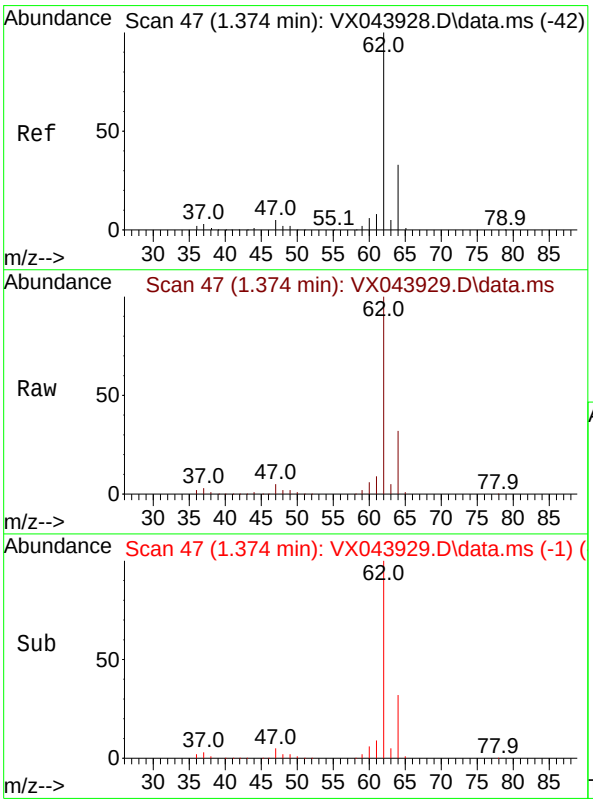
#3
Chloromethane
Concen: 99.735 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 183899

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1

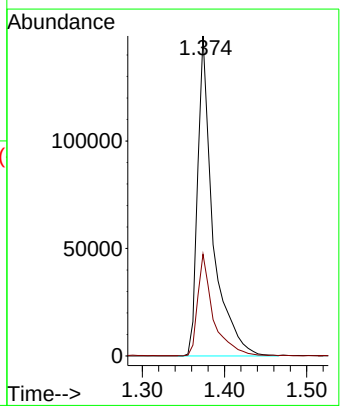


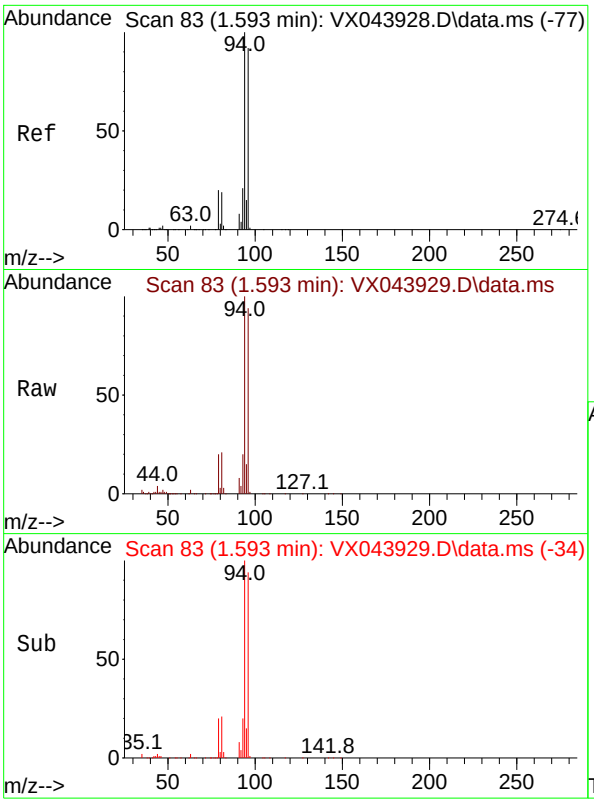


#4
Vinyl Chloride
Concen: 98.011 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.2	39.4



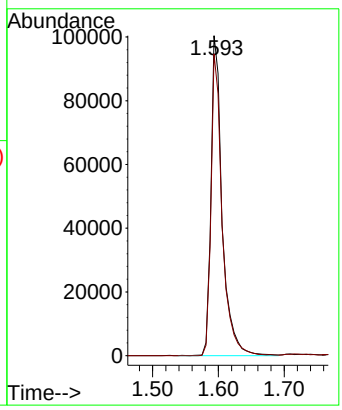


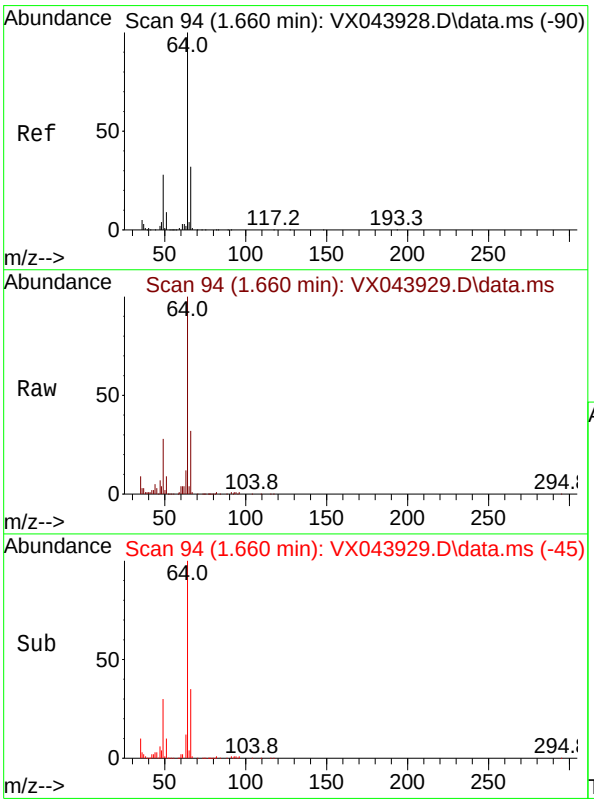
#5
Bromomethane
Concen: 98.459 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 118792

Ion	Ratio	Lower	Upper
94	100		
96	94.3	73.9	110.9

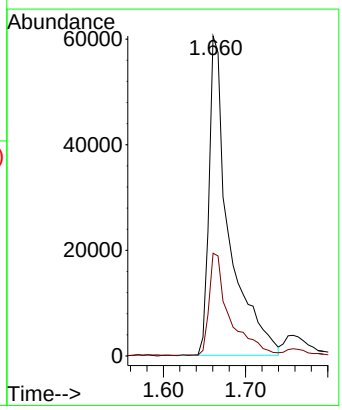


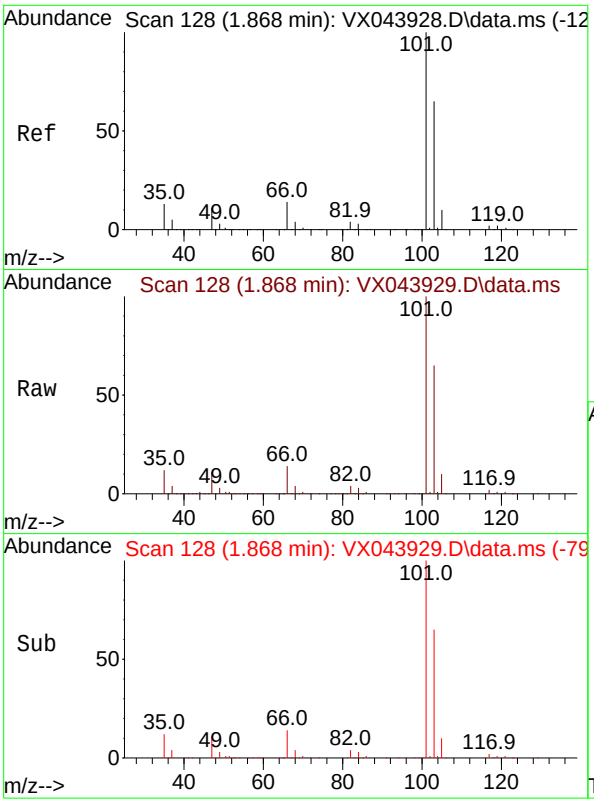


#6
Chloroethane
Concen: 85.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9



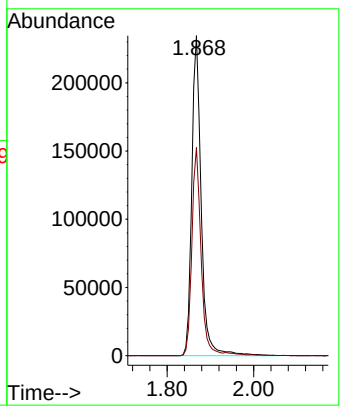


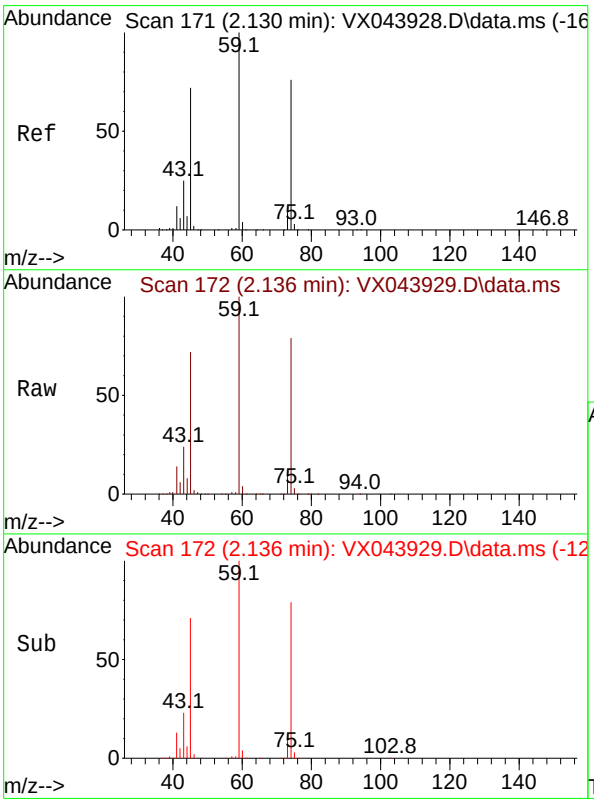
#7
Trichlorofluoromethane
Concen: 101.066 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 354375

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.2

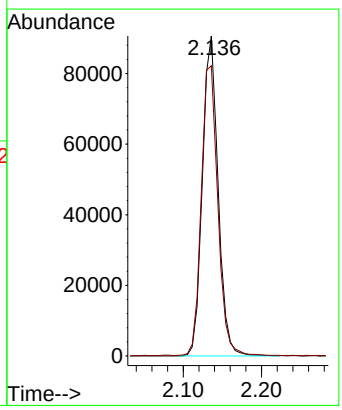


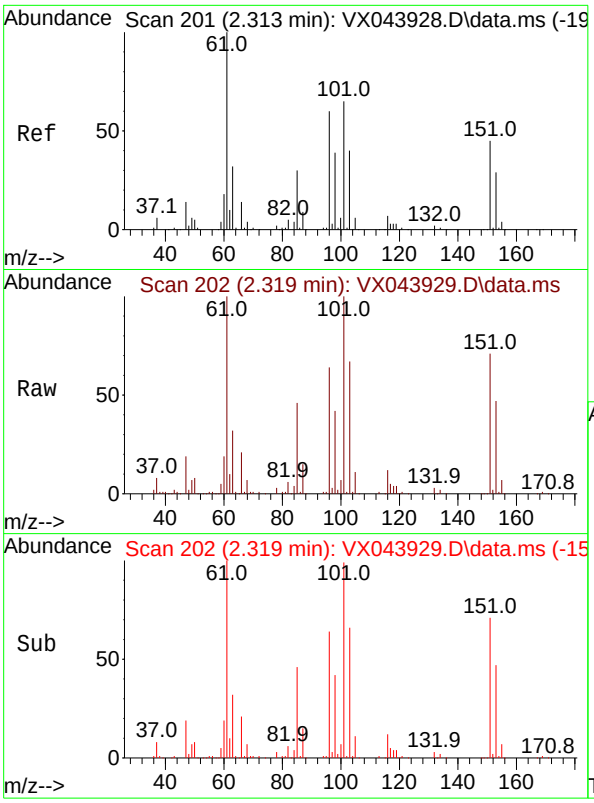


#8
Diethyl Ether
Concen: 98.466 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840

Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.9	143.6



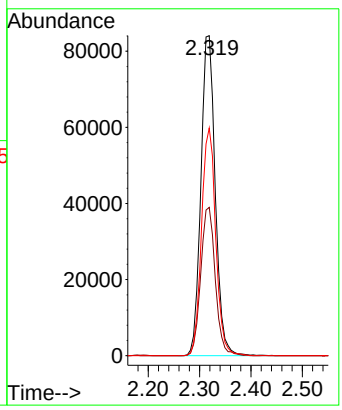


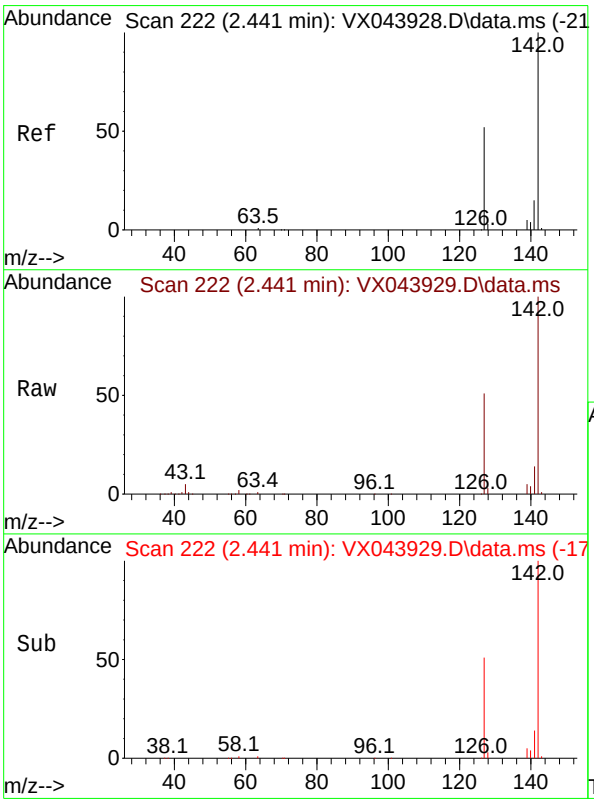
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.448 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 162988

Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.9	56.9
151	70.5	57.5	86.3

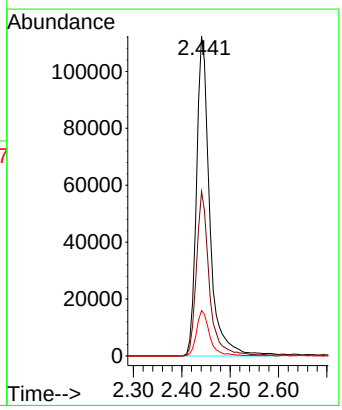


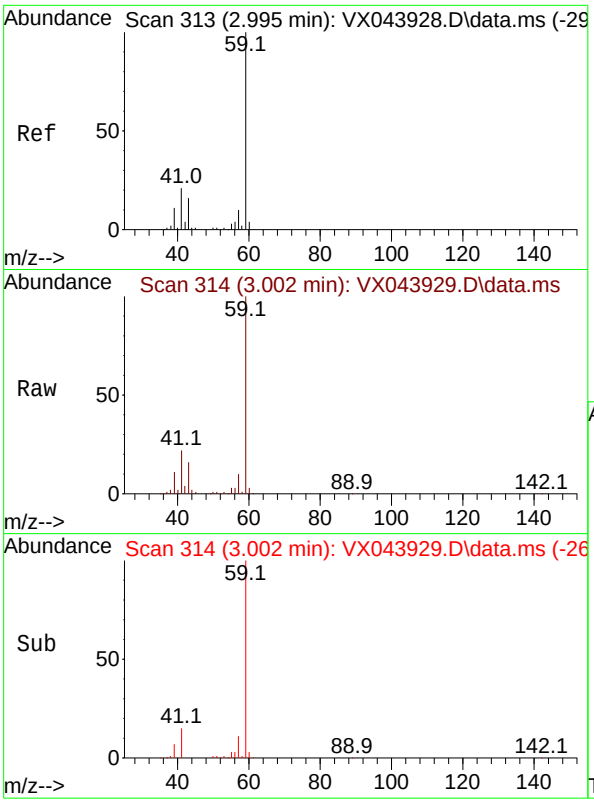


#10
Methyl Iodide
Concen: 102.378 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858

Ion	Ratio	Lower	Upper
142	100		
127	50.0	40.7	61.1
141	14.1	12.0	18.0



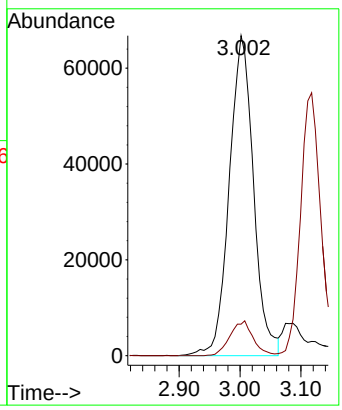


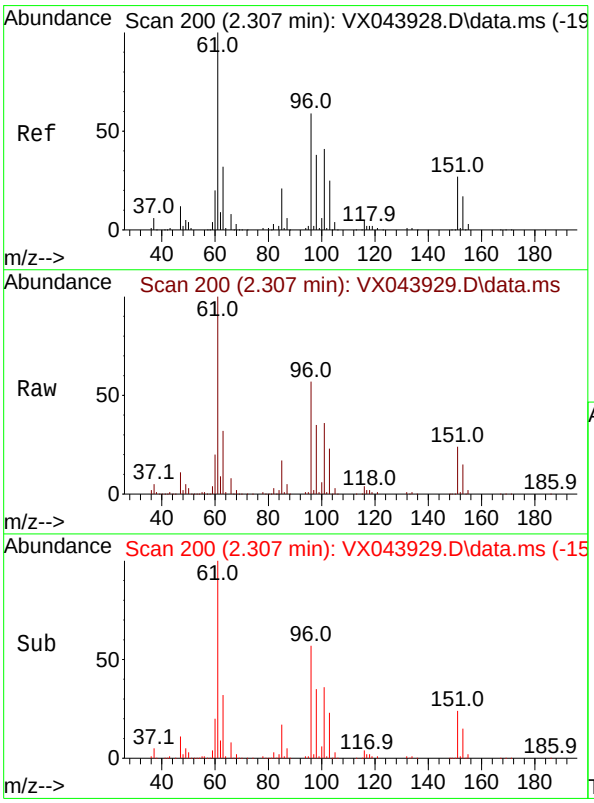
#11
Tert butyl alcohol
Concen: 485.208 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 184757

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

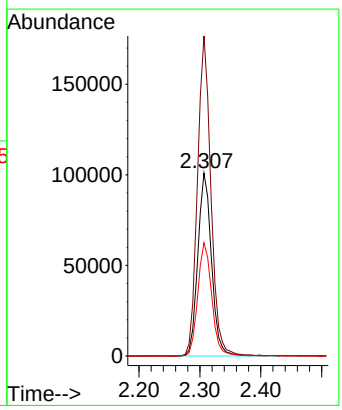


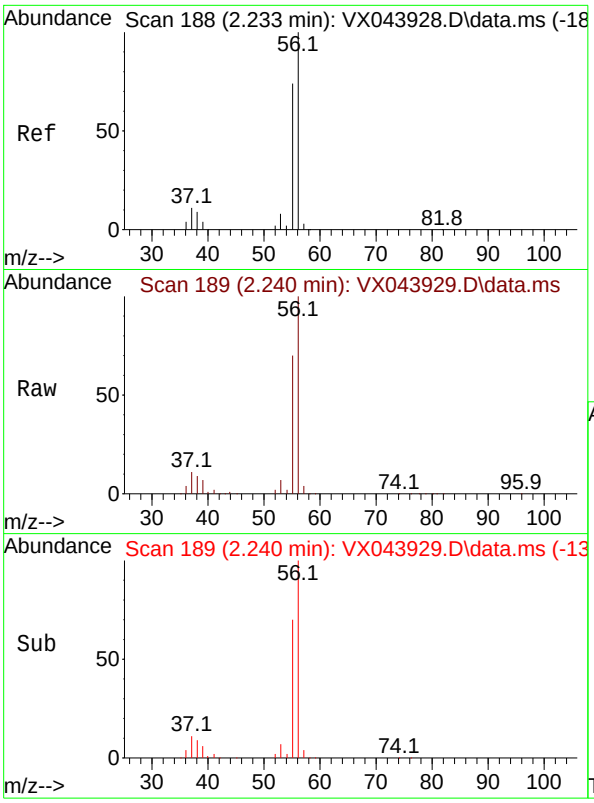


#12
1,1-Dichloroethene
Concen: 99.205 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111

Ion	Ratio	Lower	Upper
96	100		
61	174.9	135.5	203.3
98	61.9	50.8	76.2



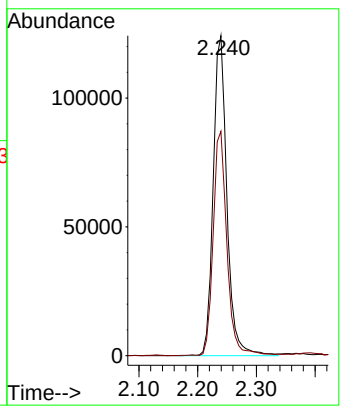


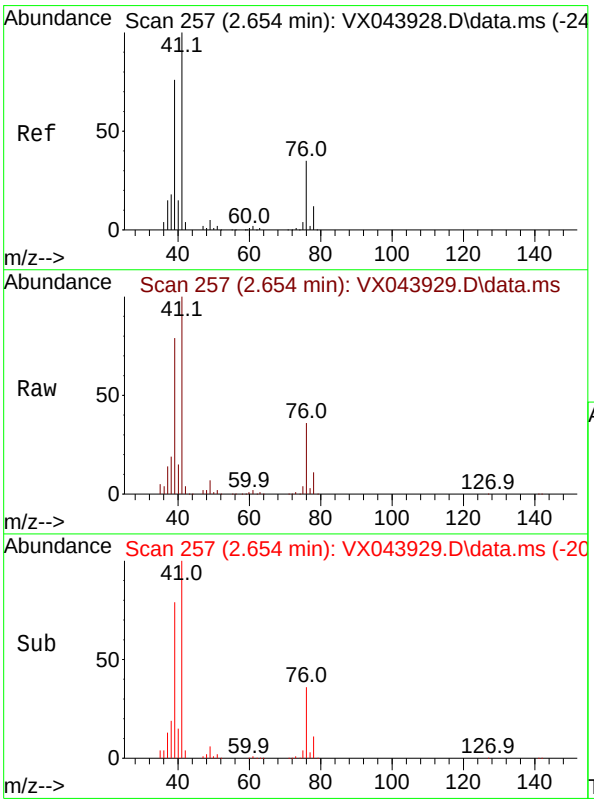
#13
Acrolein
Concen: 500.625 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 200929

Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2

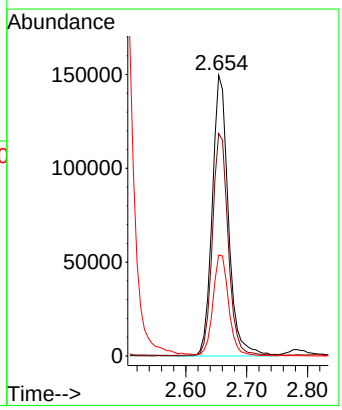


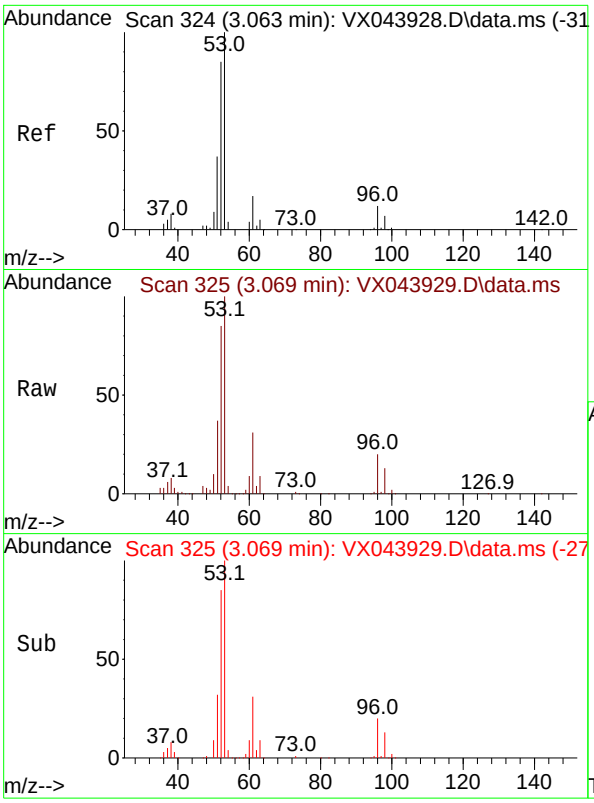


#14
Allyl chloride
Concen: 106.008 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 276068

Ion	Ratio	Lower	Upper
41	100		
39	76.5	59.5	89.3
76	34.8	27.4	41.2



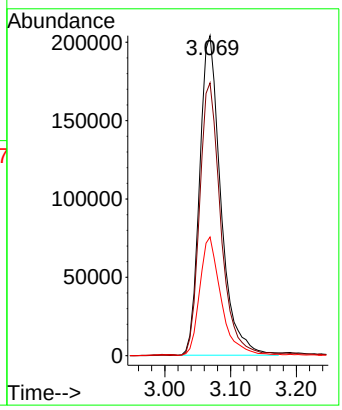


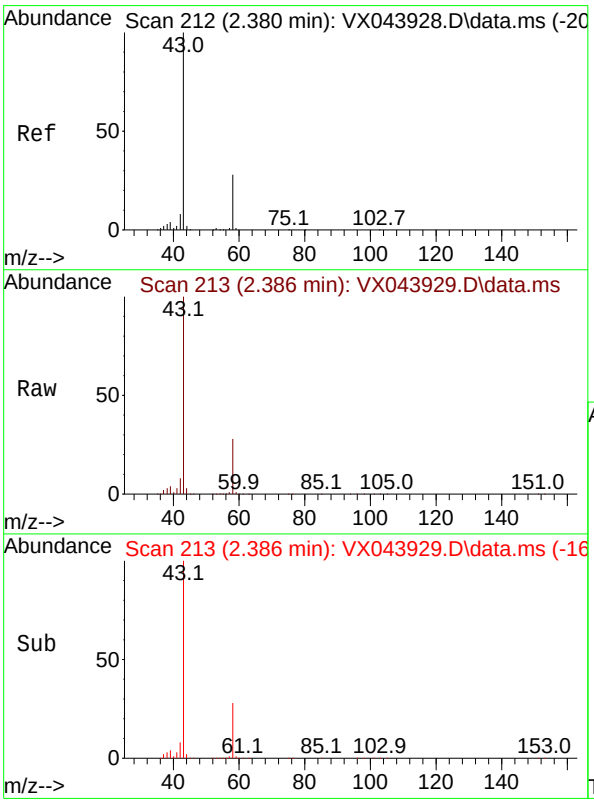
#15
Acrylonitrile
Concen: 494.243 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 458624

Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.5	99.7
51	37.0	30.2	45.4

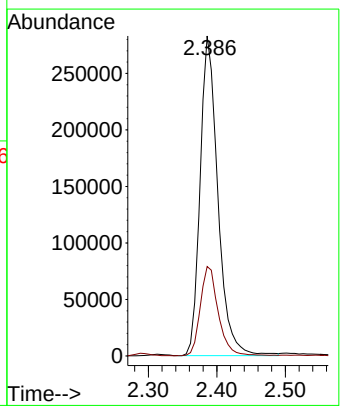


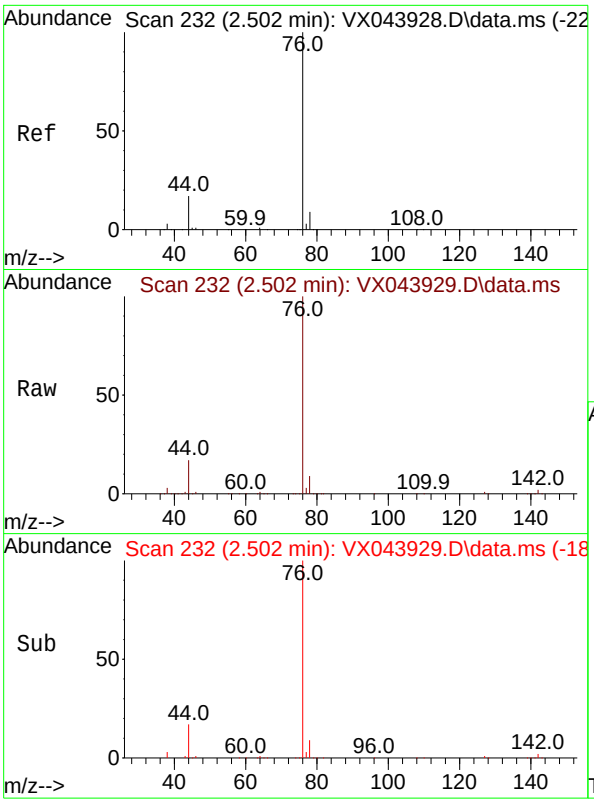


#16
Acetone
Concen: 469.087 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.7	34.1



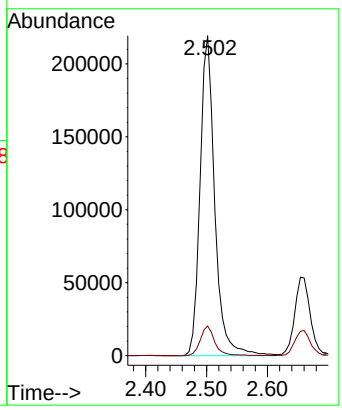


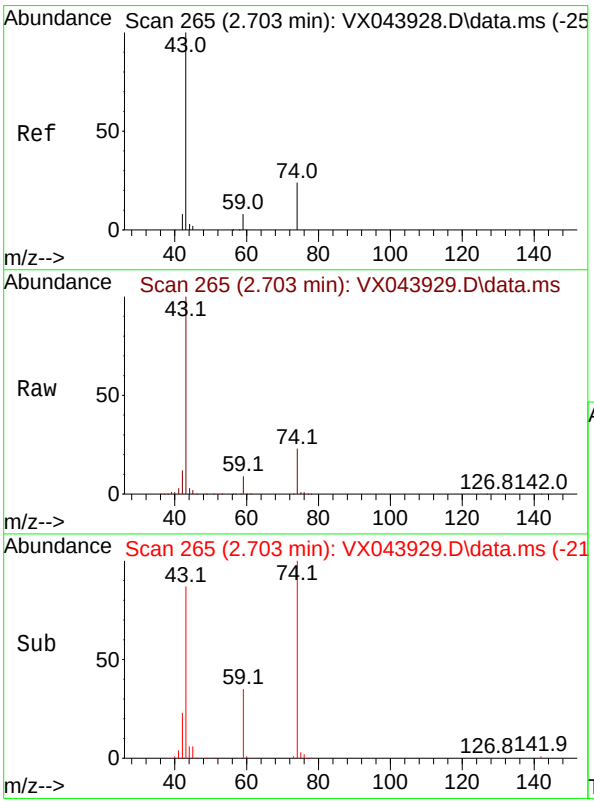
#17
Carbon Disulfide
Concen: 111.925 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 367958

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

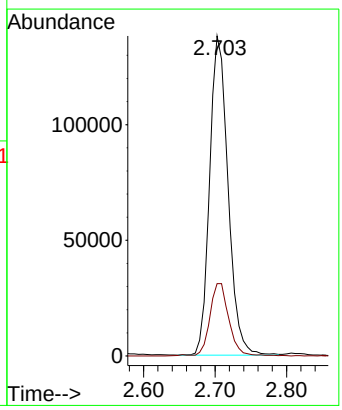


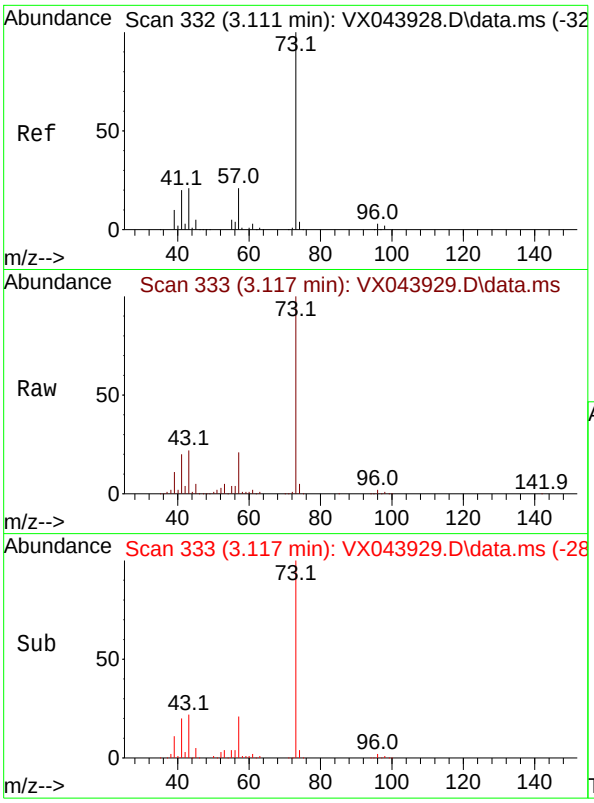


#18
Methyl Acetate
Concen: 97.433 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3



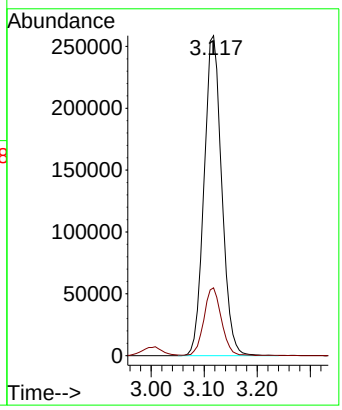


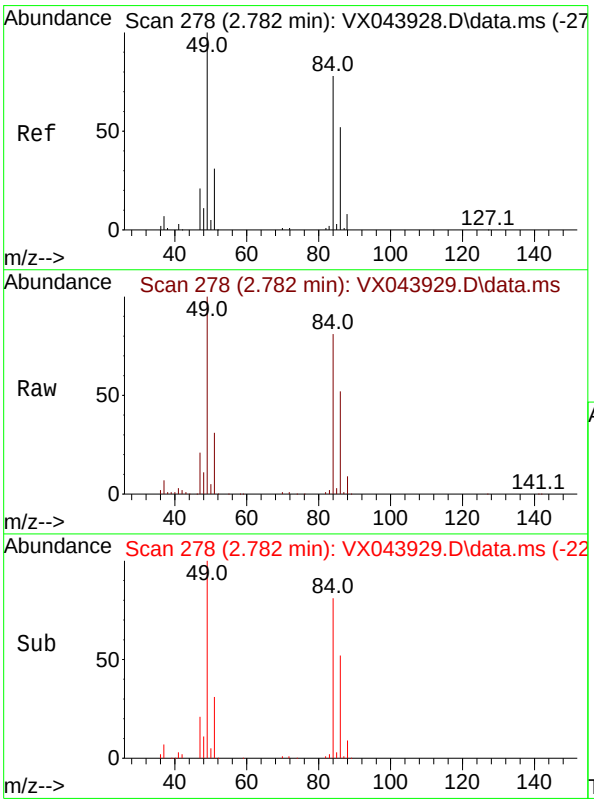
#19
Methyl tert-butyl Ether
Concen: 103.267 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 597600

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6

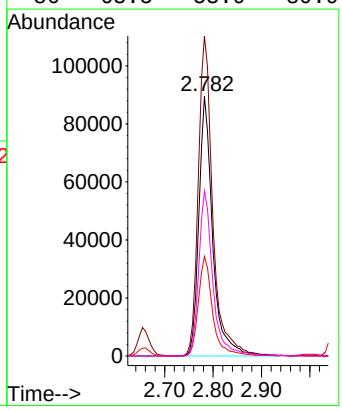


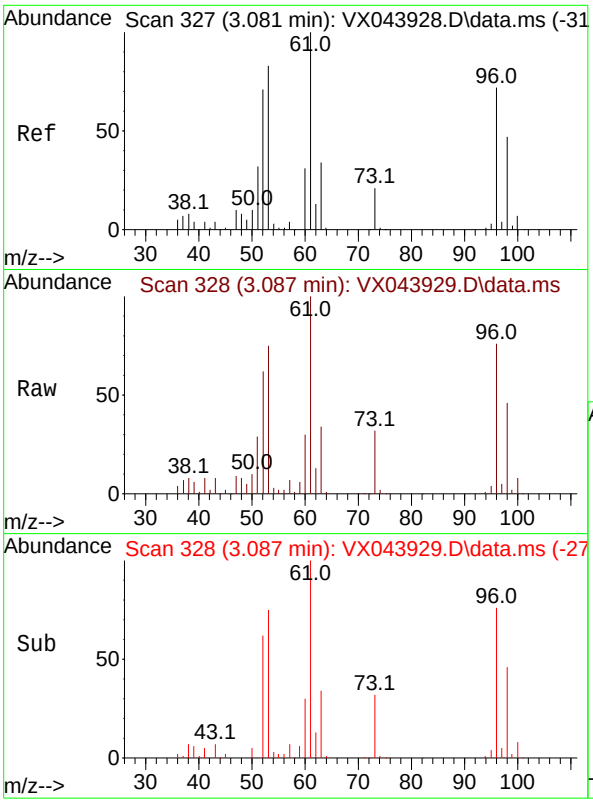


#20
Methylene Chloride
Concen: 96.271 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

Ion	Ratio	Lower	Upper
84	100		
49	123.1	102.7	154.1
51	38.3	31.7	47.5
86	63.5	53.9	80.9



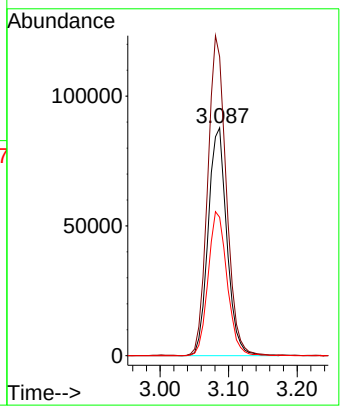


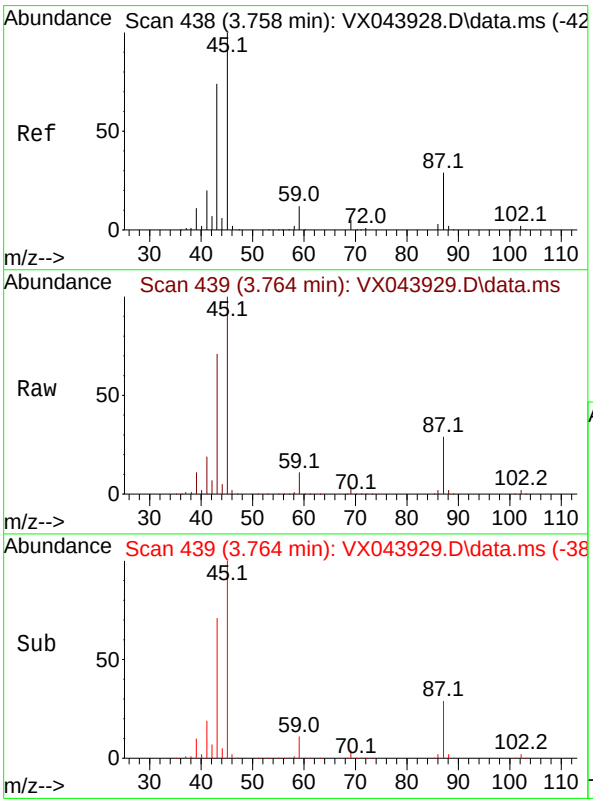
#21
trans-1,2-Dichloroethene
Concen: 100.875 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 165989

Ion	Ratio	Lower	Upper
96	100		
61	131.1	111.8	167.6
98	60.7	52.7	79.1

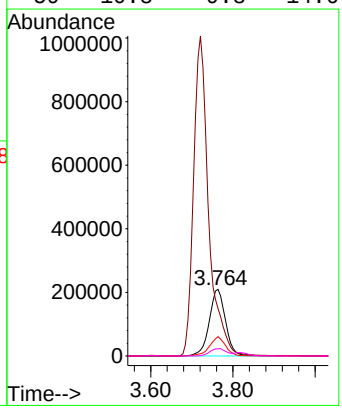


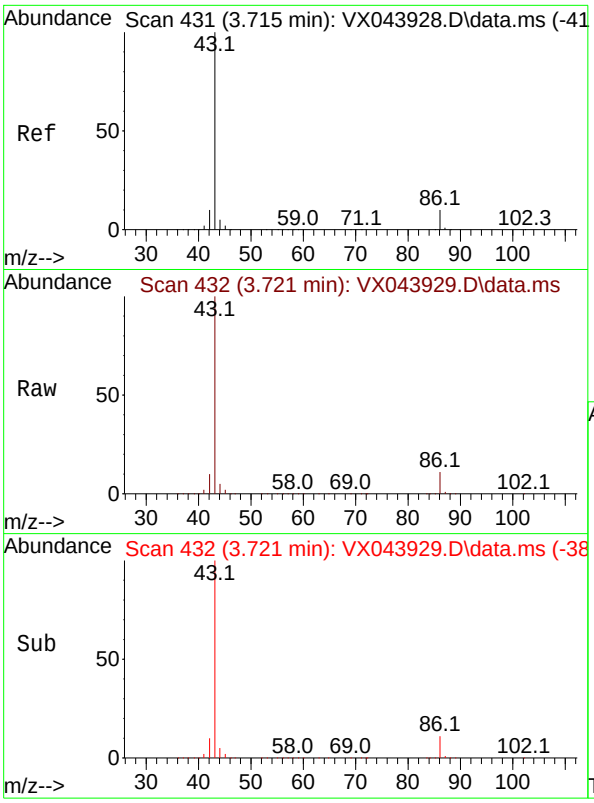


#22
Diisopropyl ether
Concen: 102.872 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

Ion	Ratio	Lower	Upper
45	100		
43	71.1	59.6	89.4
87	29.1	22.9	34.3
59	10.8	9.8	14.6



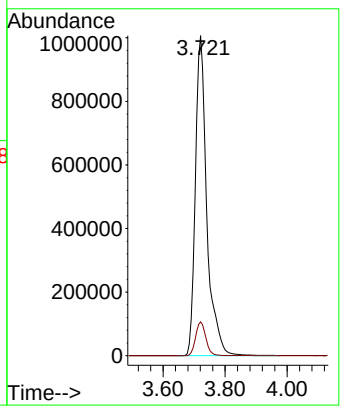


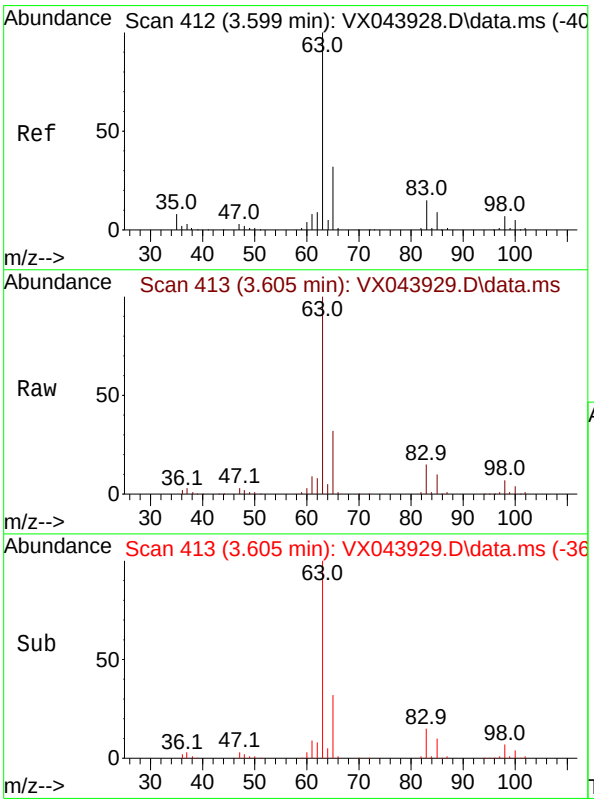
#23
Vinyl Acetate
Concen: 539.590 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2570419

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5

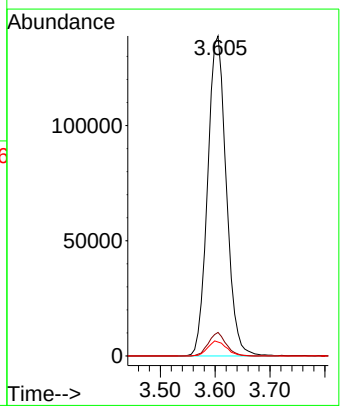


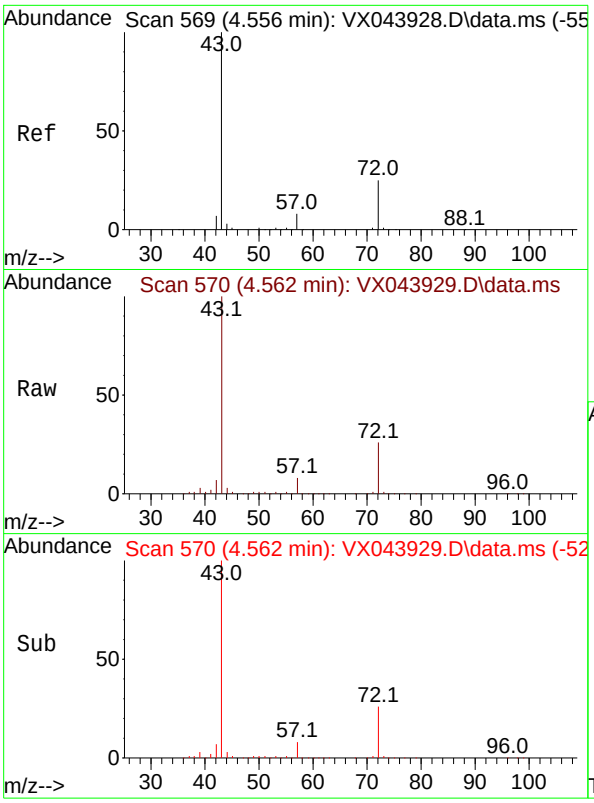


#24
1,1-Dichloroethane
Concen: 102.025 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.3	2.4	7.1



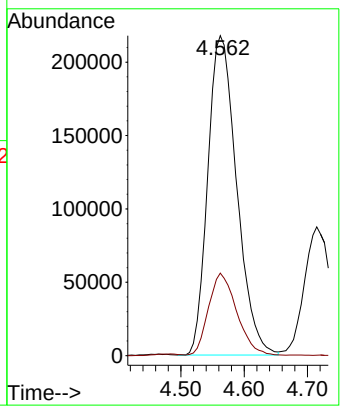


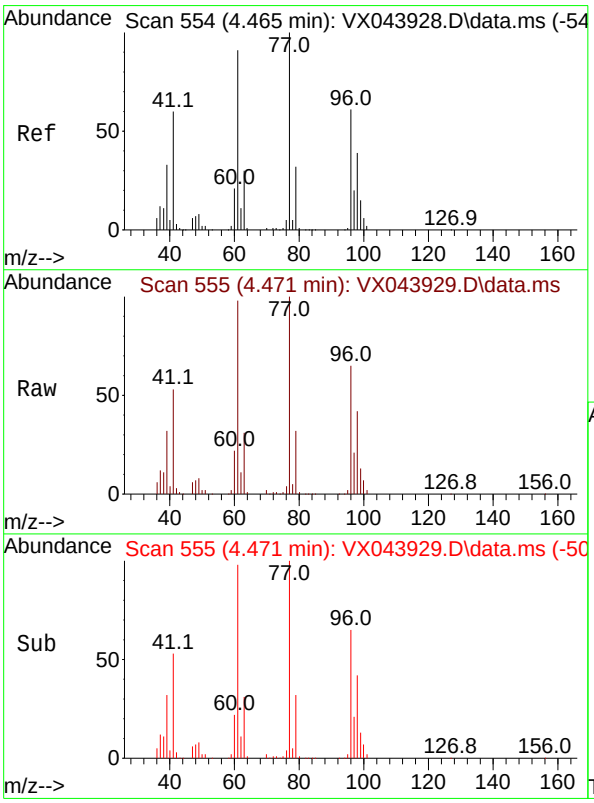
#25
2-Butanone
Concen: 491.491 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 690992

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.2	30.2

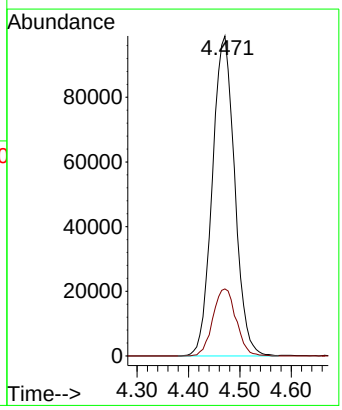


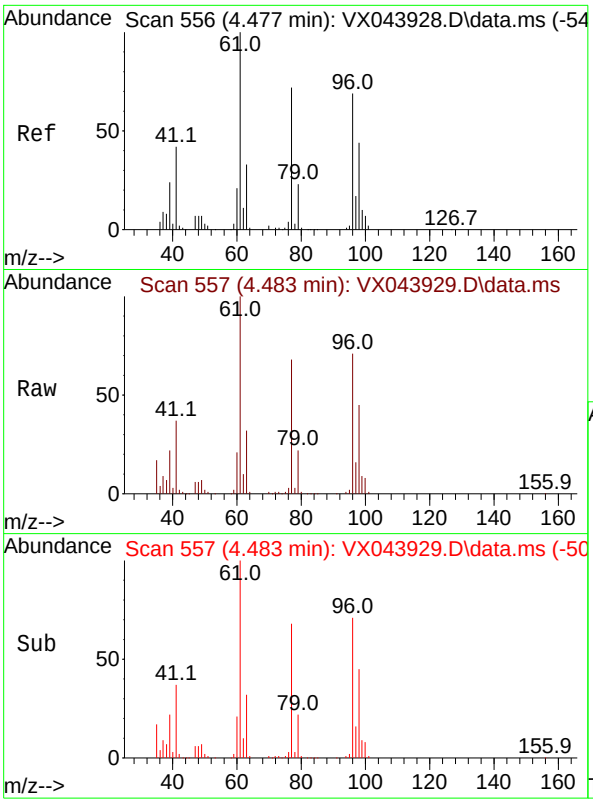


#26
2,2-Dichloropropane
Concen: 103.146 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3



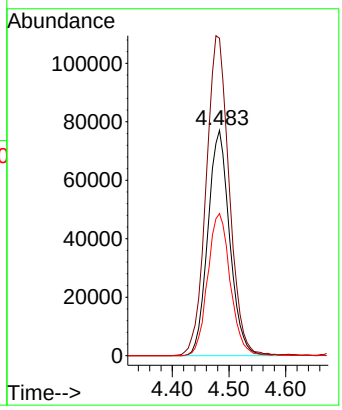


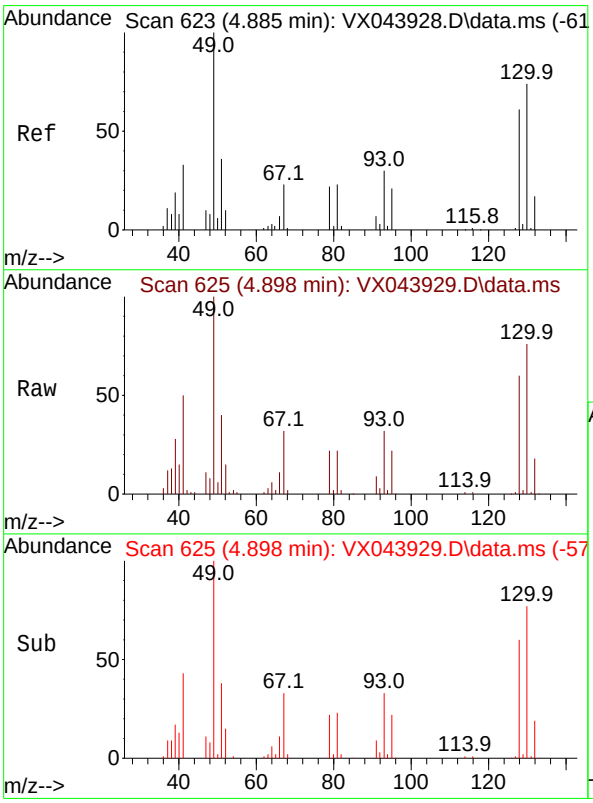
#27
cis-1,2-Dichloroethene
Concen: 101.381 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 206207

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	297.4
98	65.1	0.0	127.8

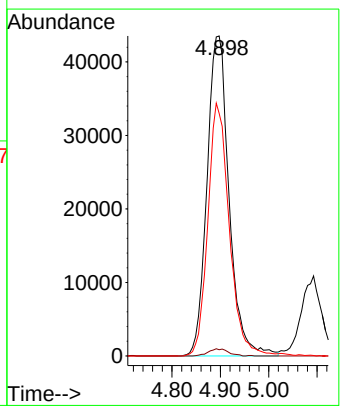


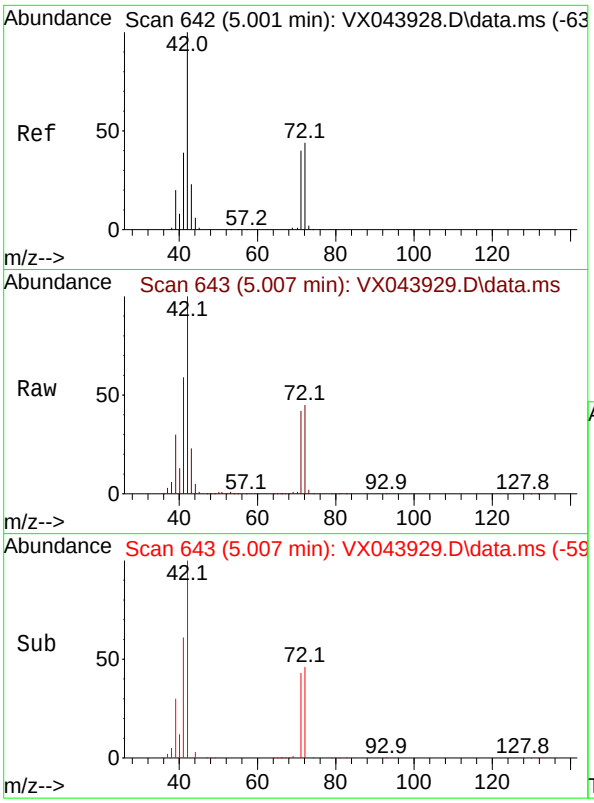


#28
Bromochloromethane
Concen: 97.752 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	76.5	59.0	88.6



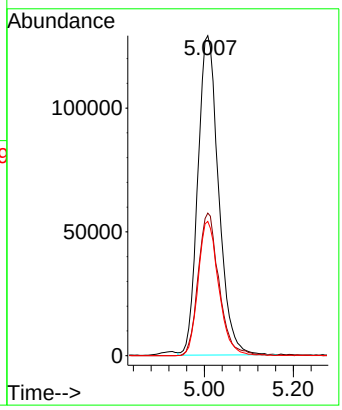


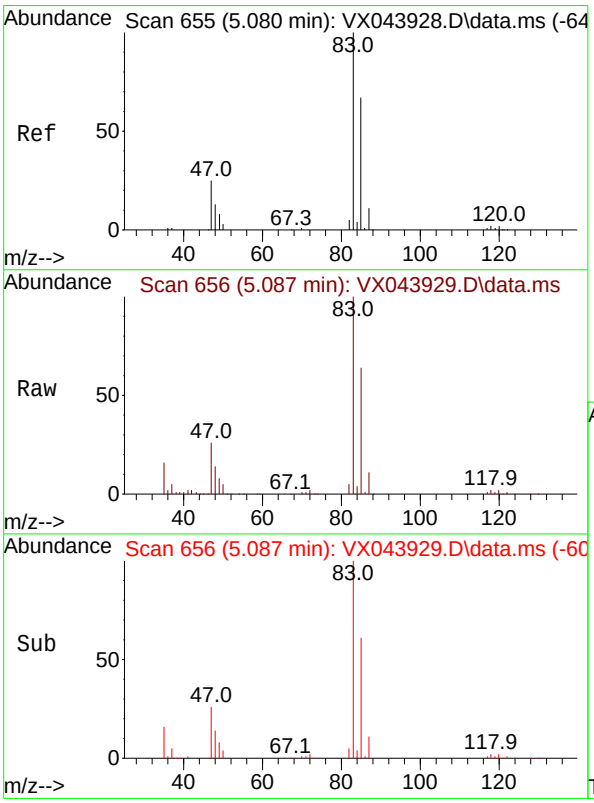
#29
Tetrahydrofuran
Concen: 486.991 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 419743

Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	41.6	33.4	50.0

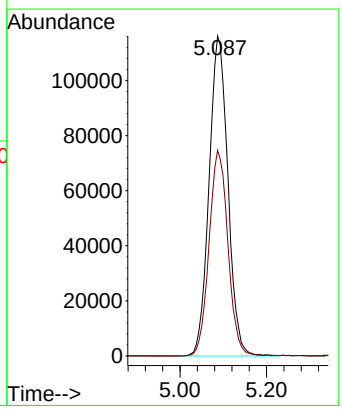


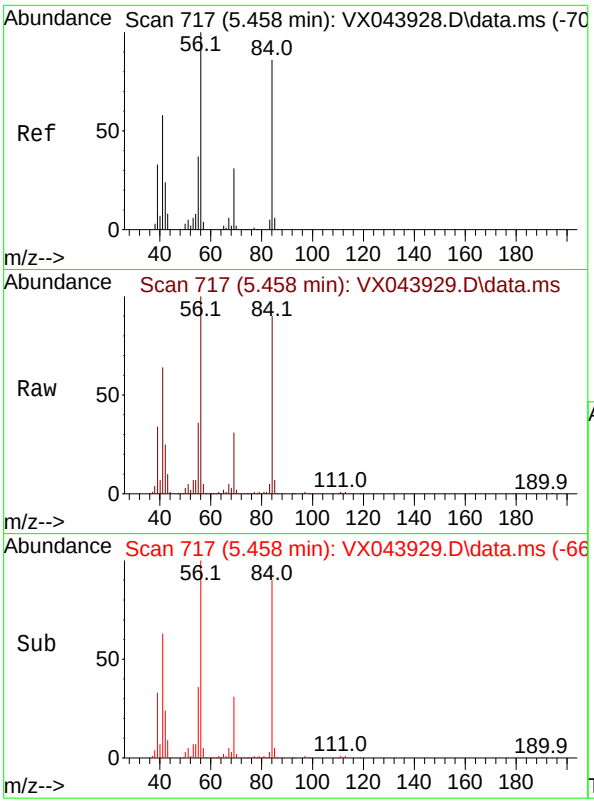


#30
Chloroform
Concen: 101.565 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3



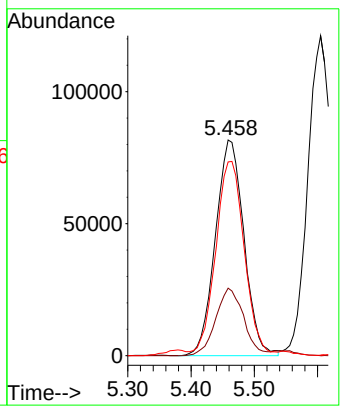


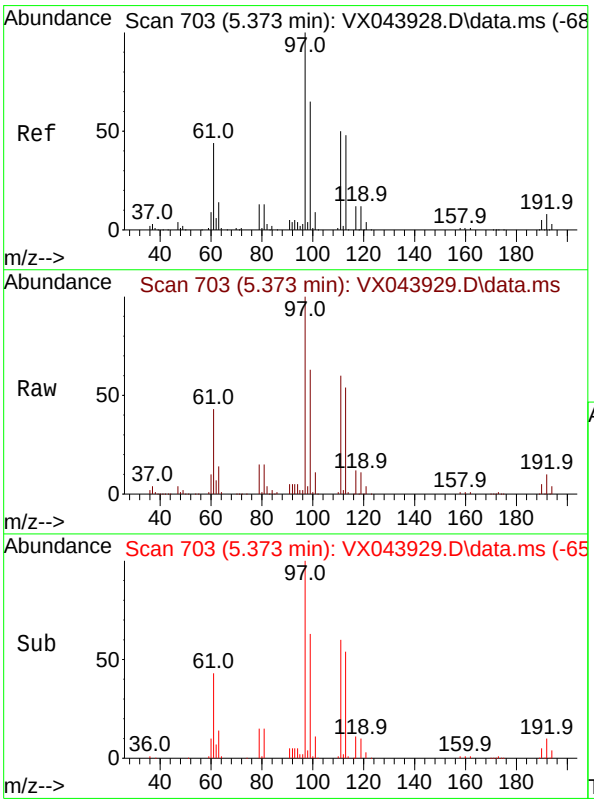
#31
Cyclohexane
Concen: 96.865 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 256114

Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.7	37.1
84	88.2	68.7	103.1

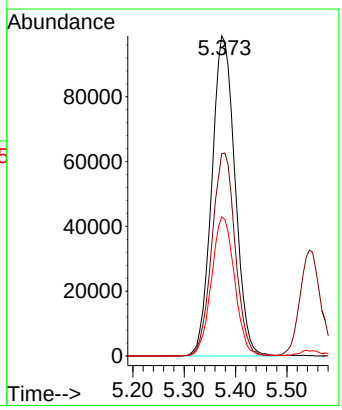


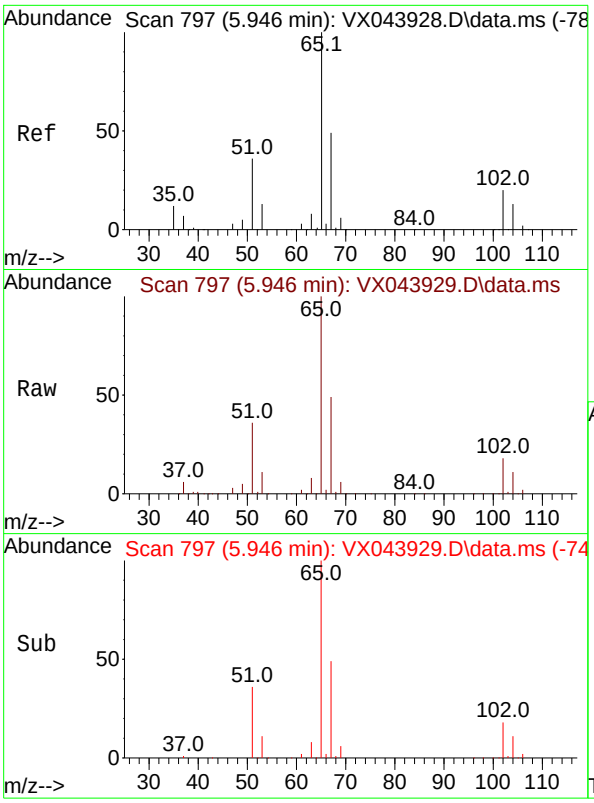


#32
1,1,1-Trichloroethane
Concen: 103.862 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	43.4	35.4	53.2



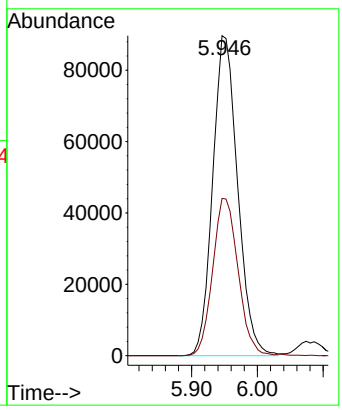


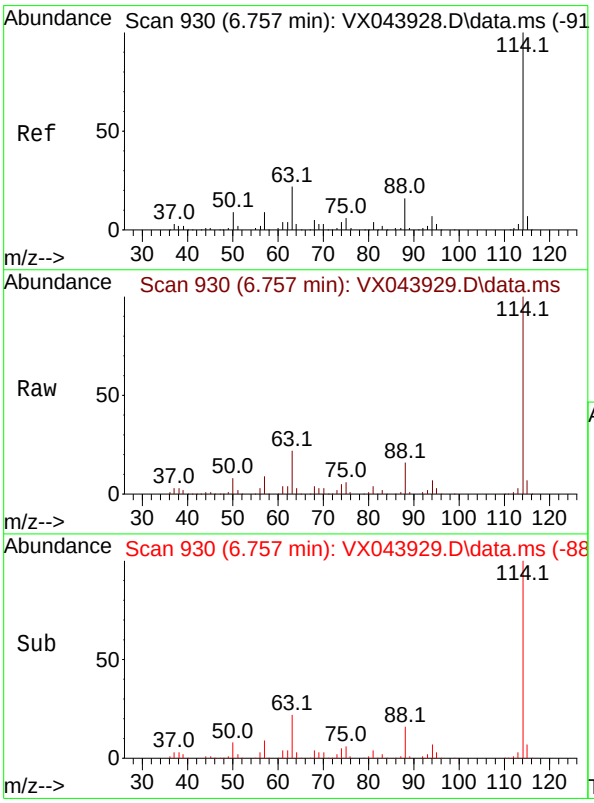
#33
1,2-Dichloroethane-d4
Concen: 99.704 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 236531

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.8

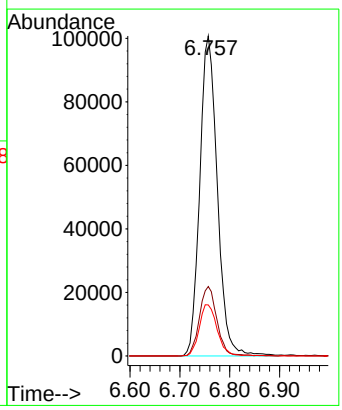


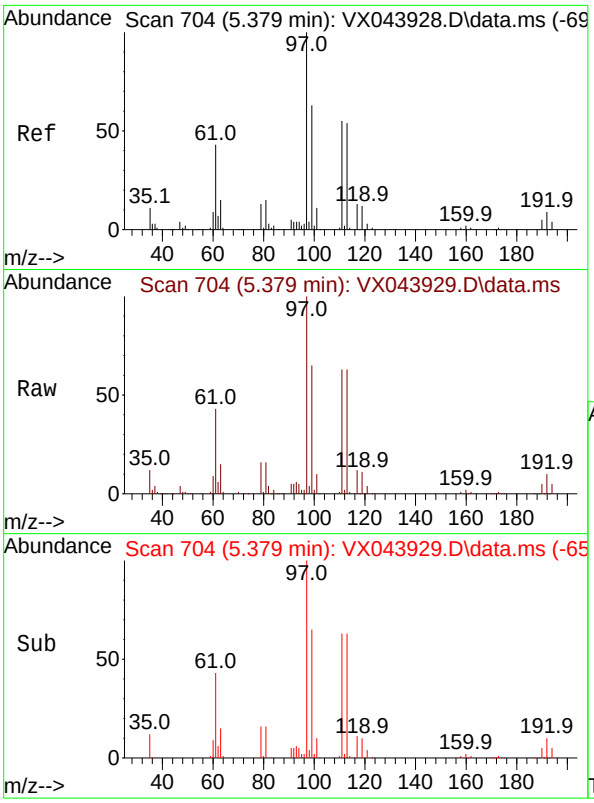


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	15.9	0.0	32.4



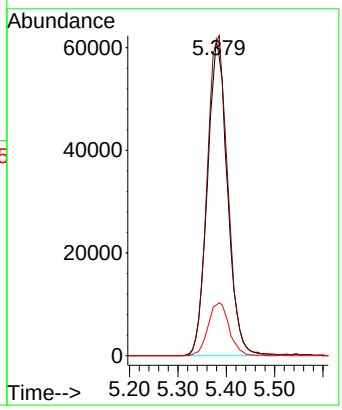


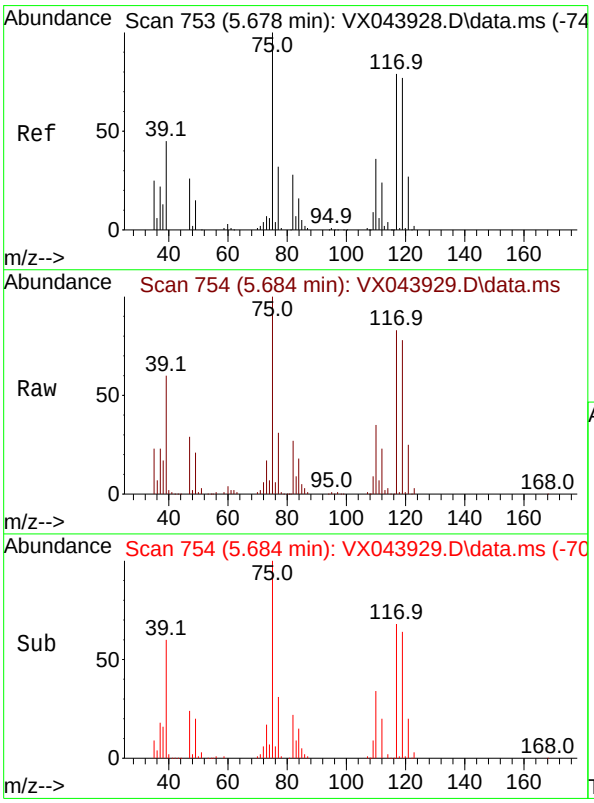
#35
Dibromofluoromethane
Concen: 100.449 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 176869

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.0	121.4
192	17.6	13.0	19.6

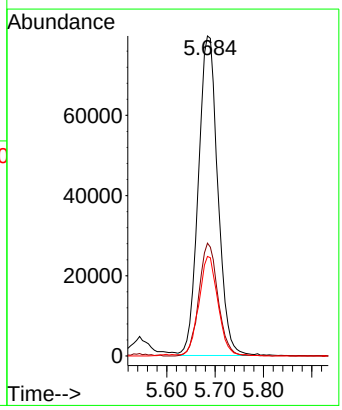


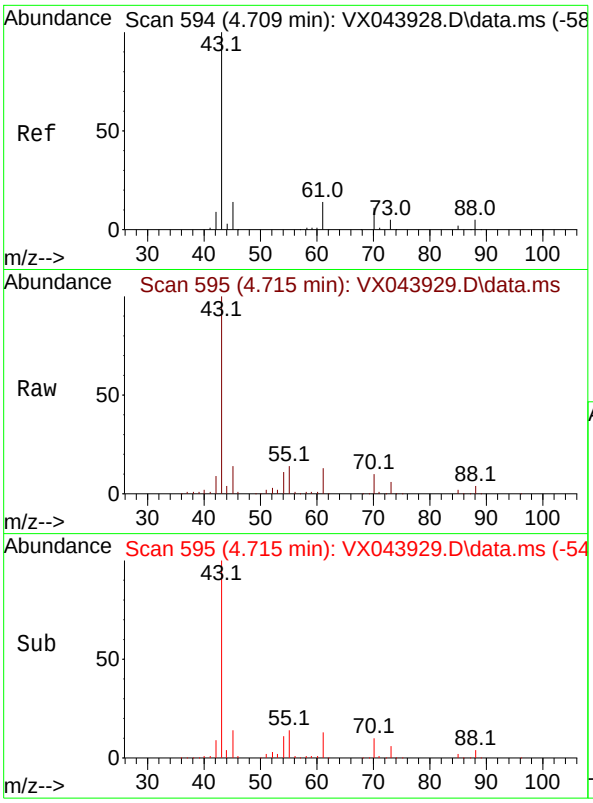


#36
1,1-Dichloropropene
Concen: 101.439 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 222573

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	30.8	25.8	38.8



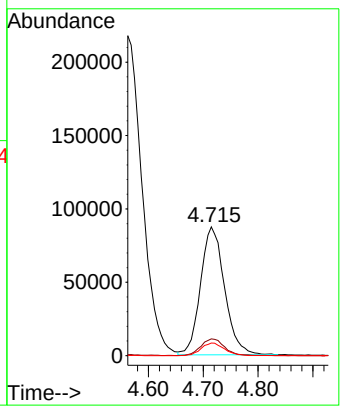


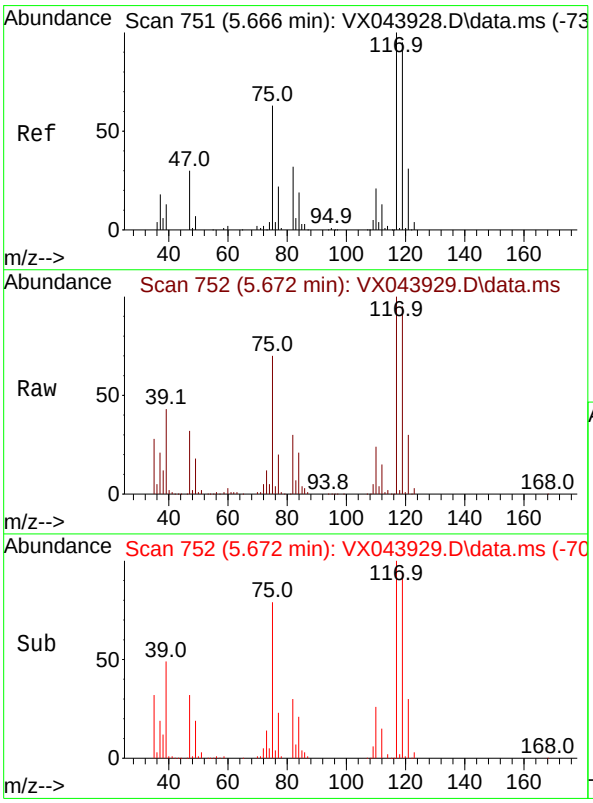
#37
Ethyl Acetate
Concen: 97.527 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 265631

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	9.6	8.0	12.0

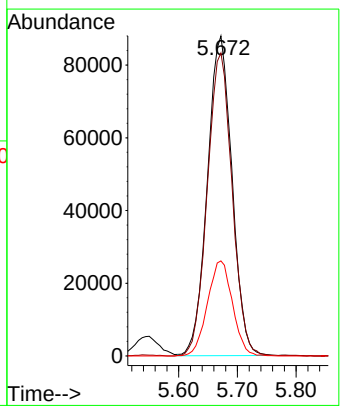


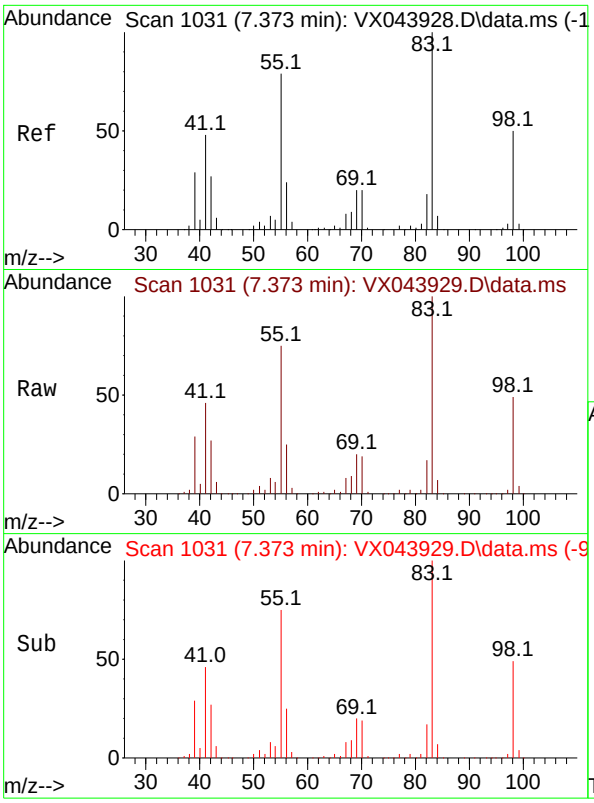


#38
Carbon Tetrachloride
Concen: 103.953 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 256290

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.2	112.8
121	29.8	24.5	36.7



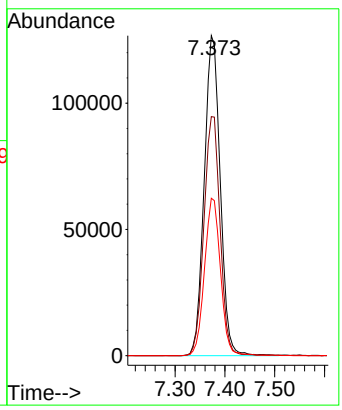


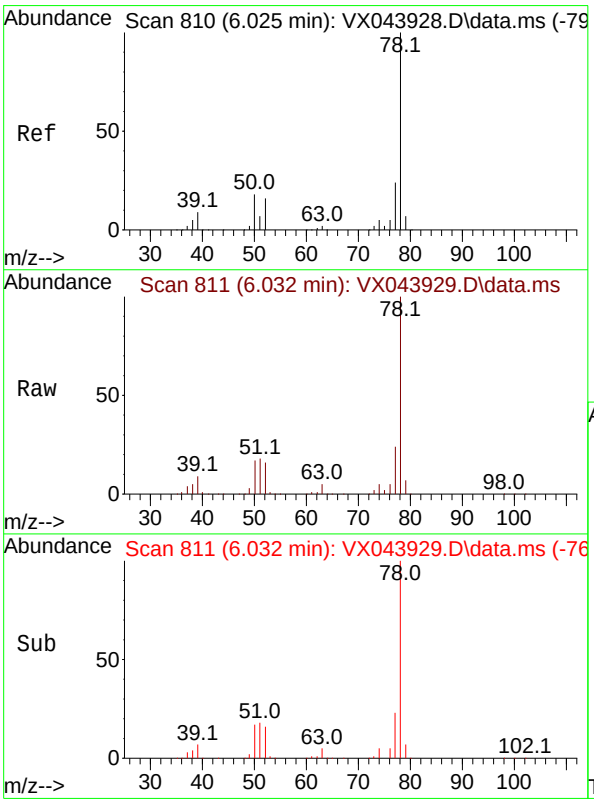
#39
Methylcyclohexane
Concen: 99.308 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 283075

Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.1	94.7
98	49.2	40.0	60.0

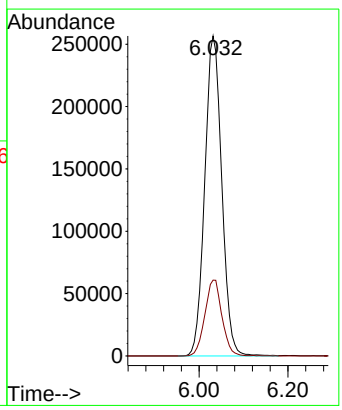


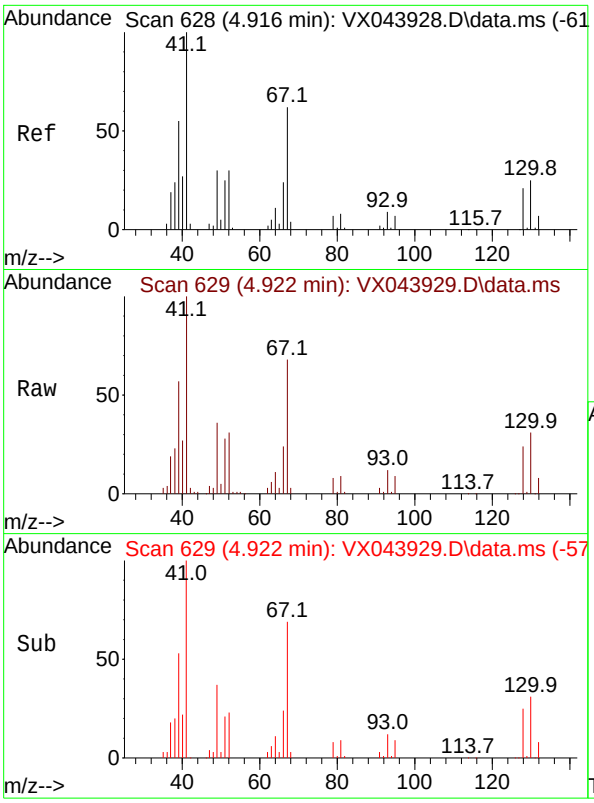


#40
Benzene
Concen: 100.099 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



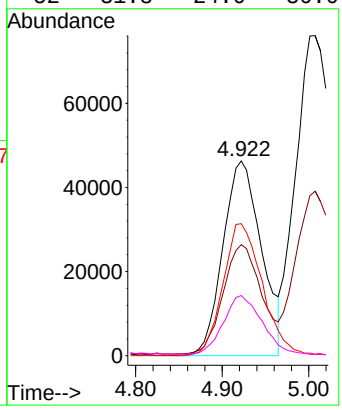


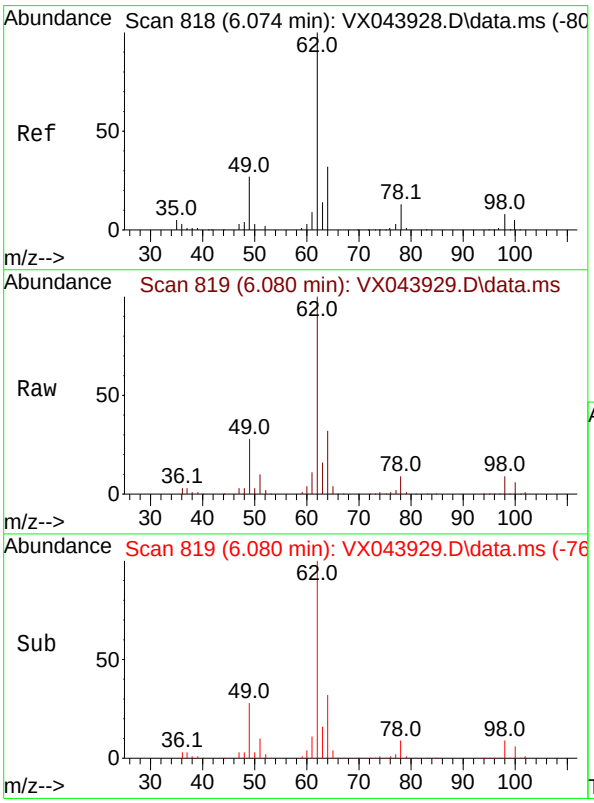
#41
Methacrylonitrile
Concen: 102.765 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 143256

Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.7	62.5
67	69.3	55.8	83.8
52	31.8	24.0	36.0

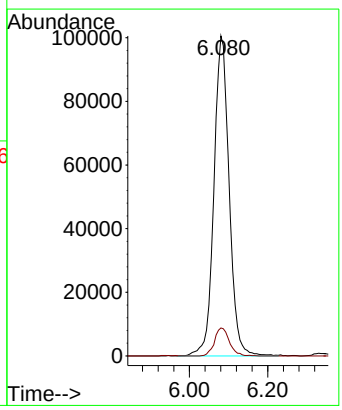


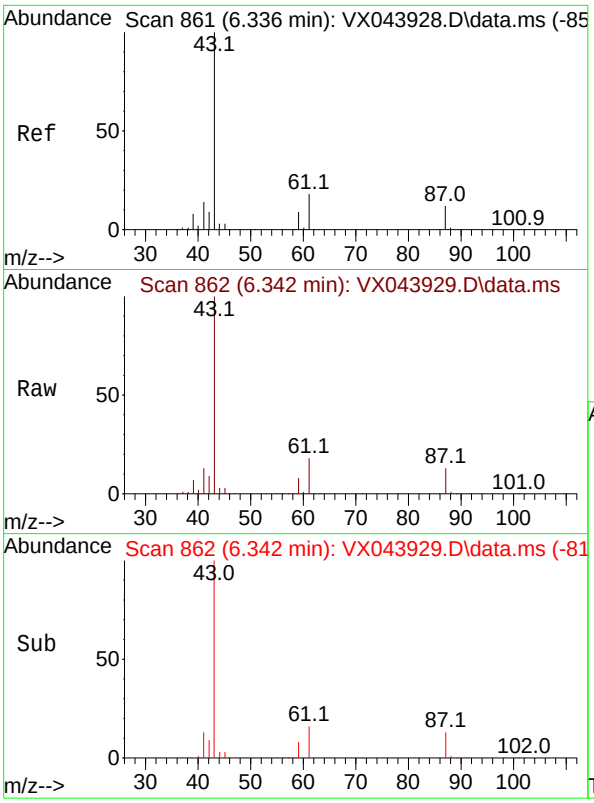


#42
1,2-Dichloroethane
Concen: 98.961 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



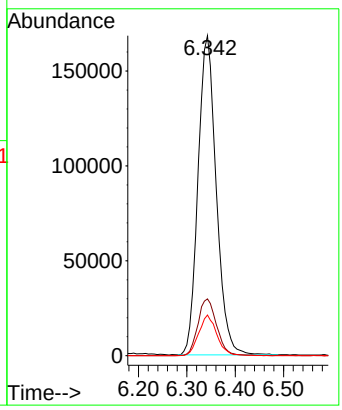


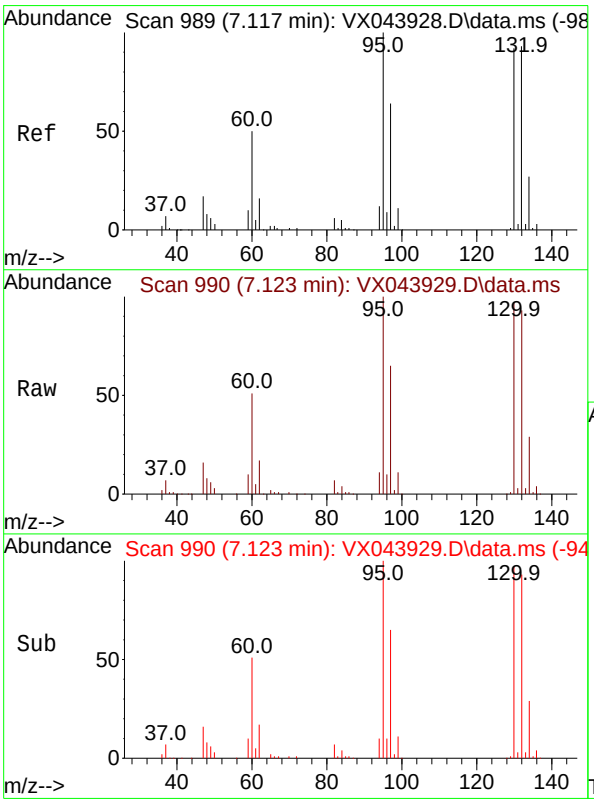
#43
Isopropyl Acetate
Concen: 101.652 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 440615

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	12.7	10.2	15.2

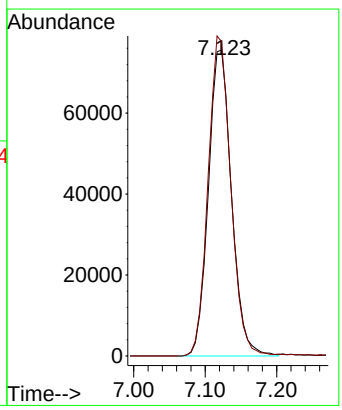


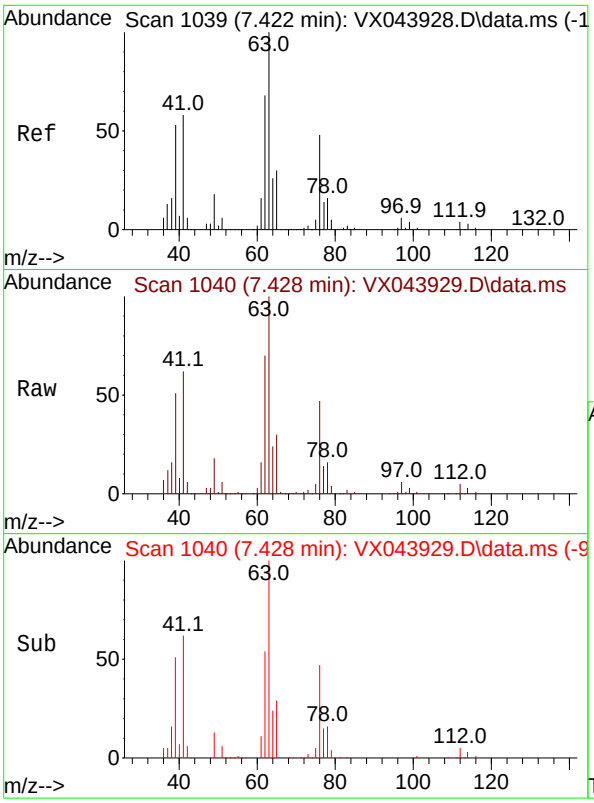


#44
Trichloroethene
Concen: 87.759 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	217.8



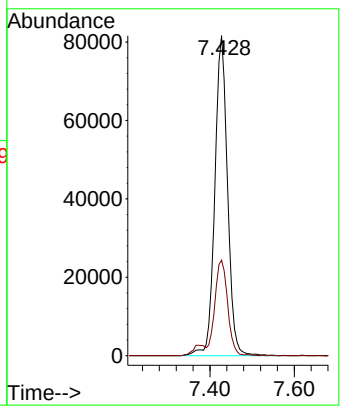


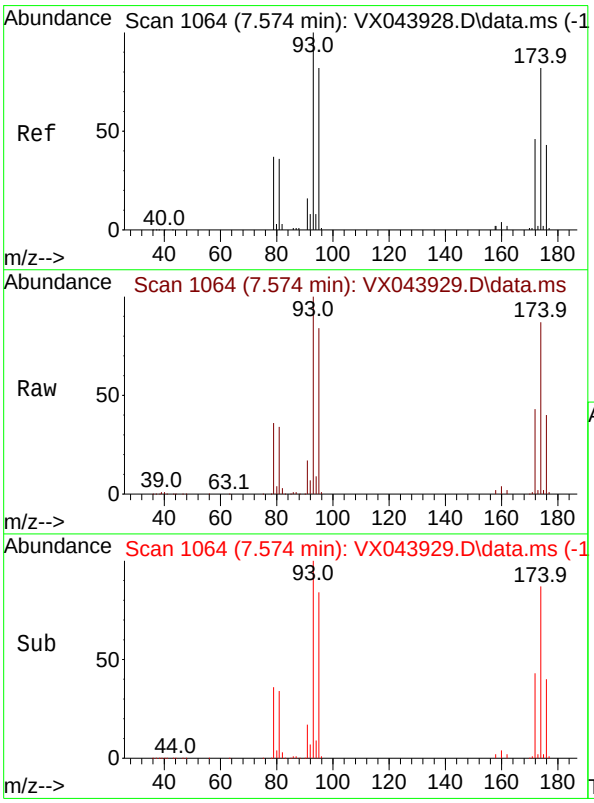
#45
1,2-Dichloropropane
Concen: 101.998 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 170741

Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.8	35.6

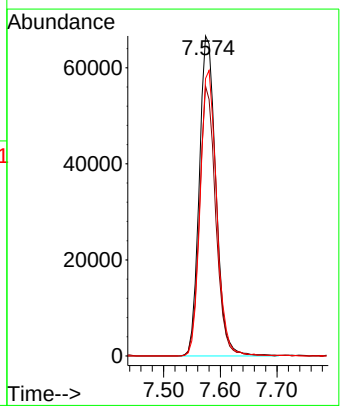


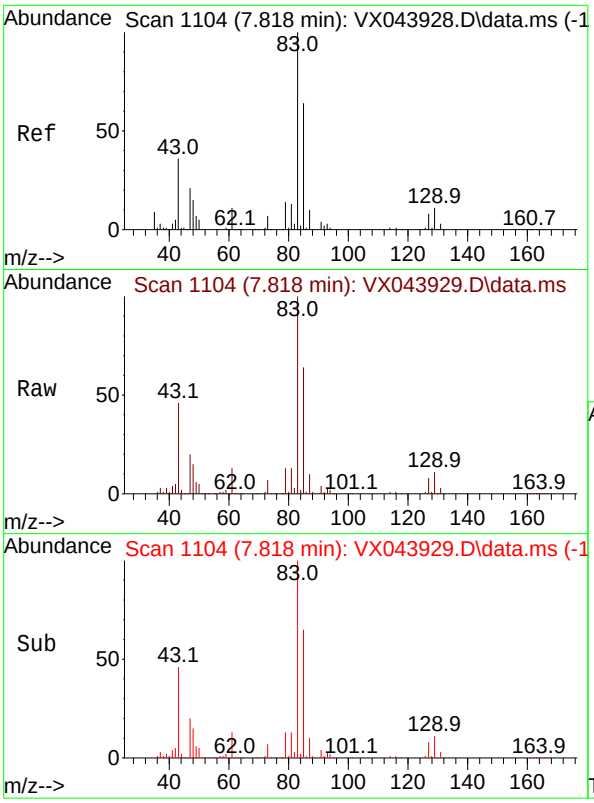


#46
Dibromomethane
Concen: 102.651 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 93 Resp: 135928

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.4
174	88.2	69.6	104.4



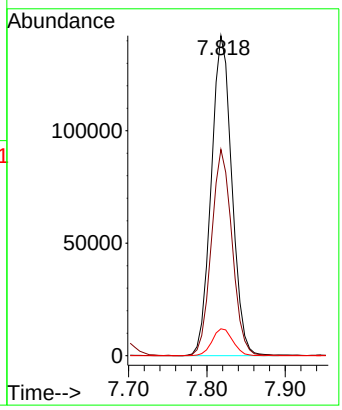


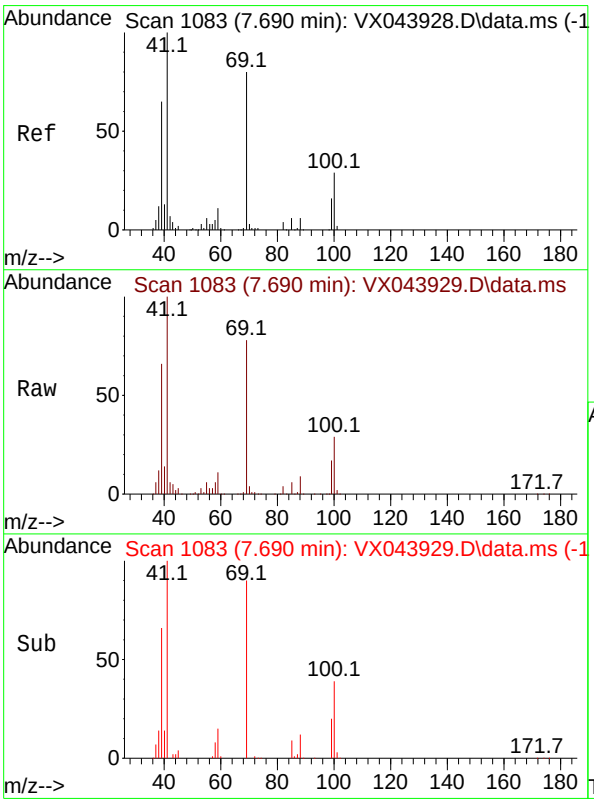
#47
Bromodichloromethane
Concen: 109.665 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 260442

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.4	6.6	10.0

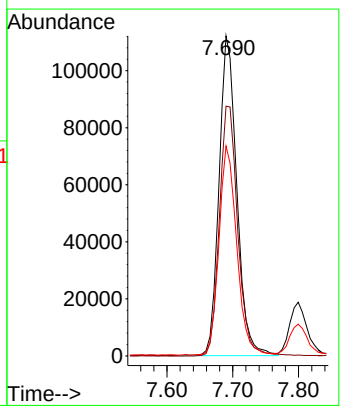


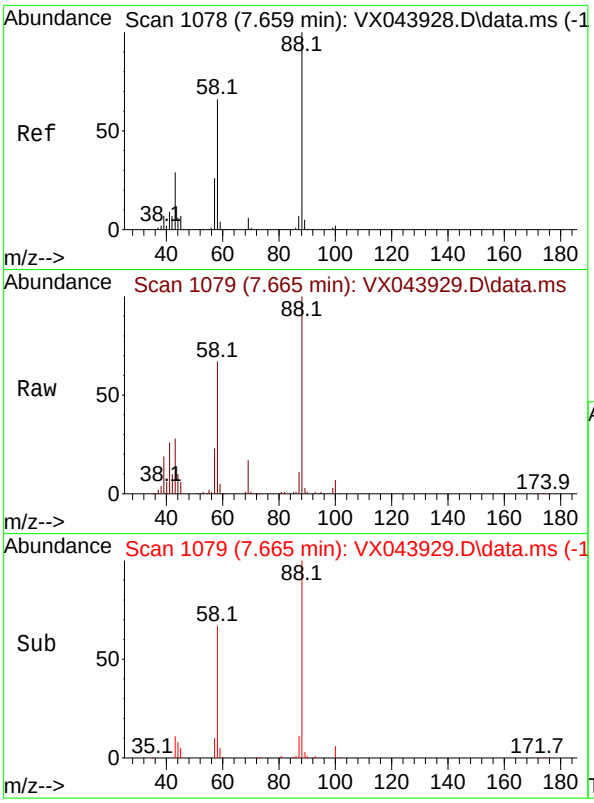


#48
Methyl methacrylate
Concen: 101.262 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614

Ion	Ratio	Lower	Upper
41	100		
69	81.2	64.6	97.0
39	65.6	53.3	79.9



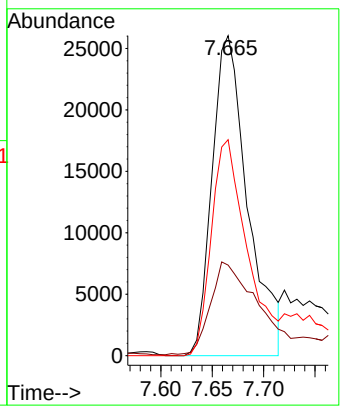


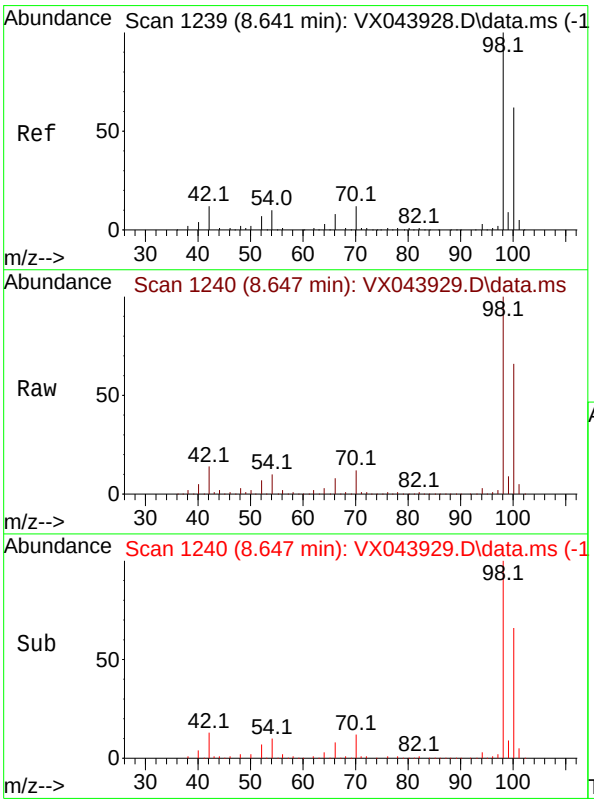
#49
1,4-Dioxane
Concen: 1752.518 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 62845

Ion	Ratio	Lower	Upper
88	100		
43	38.8	26.8	40.2
58	67.9	45.4	68.2

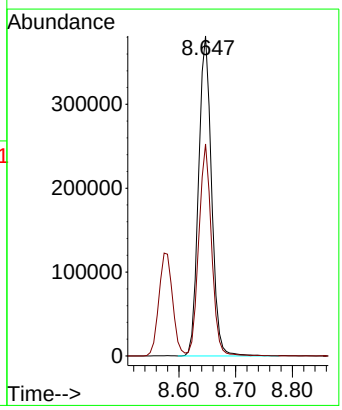


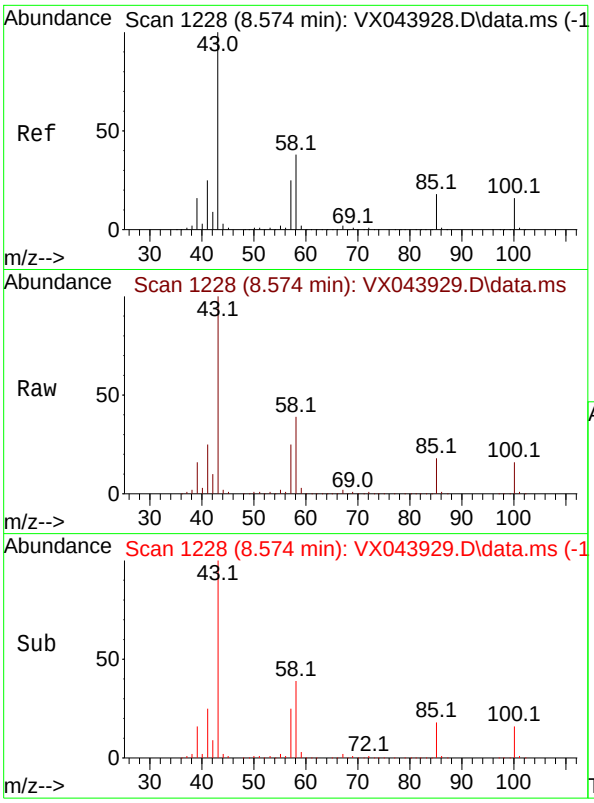


#50
Toluene-d8
Concen: 100.062 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



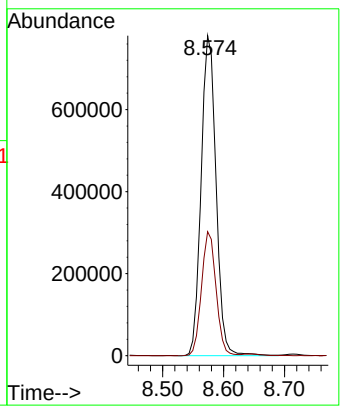


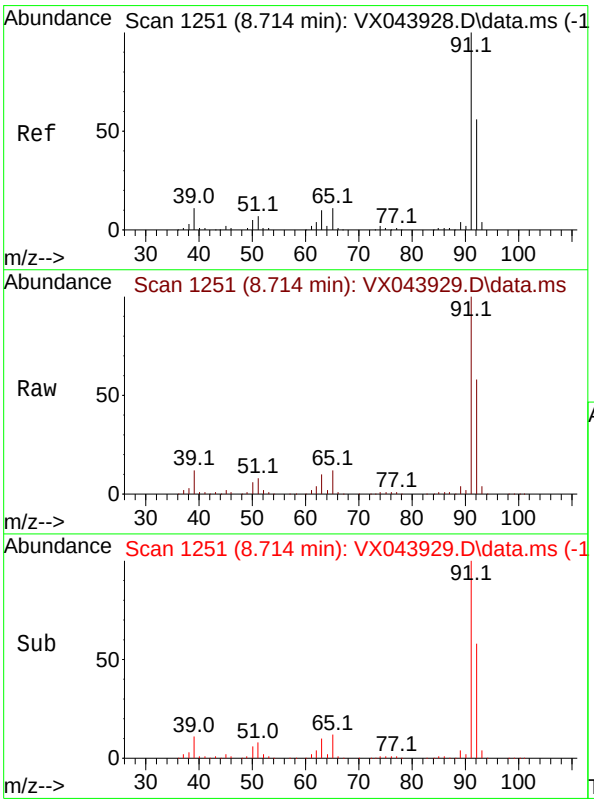
#51
4-Methyl-2-Pentanone
Concen: 502.451 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1329064

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.0	45.0

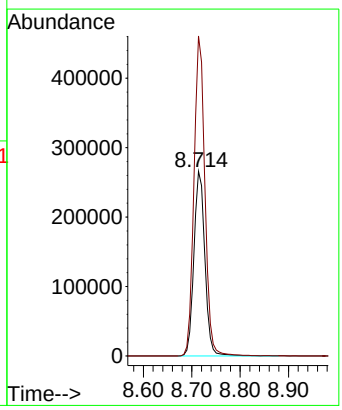


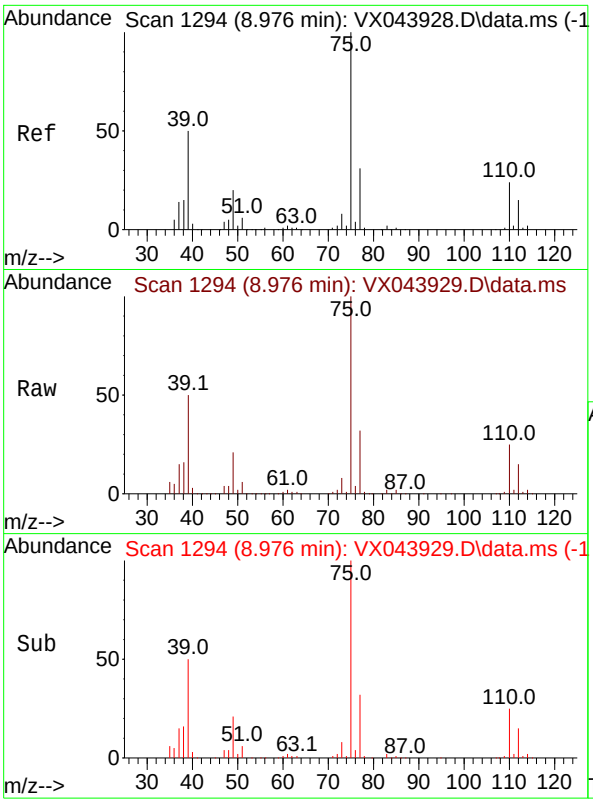


#52
Toluene
Concen: 102.426 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999

Ion	Ratio	Lower	Upper
92	100		
91	172.3	139.7	209.5



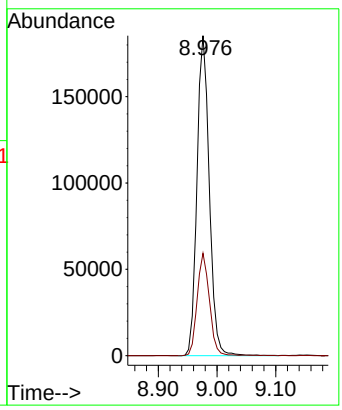


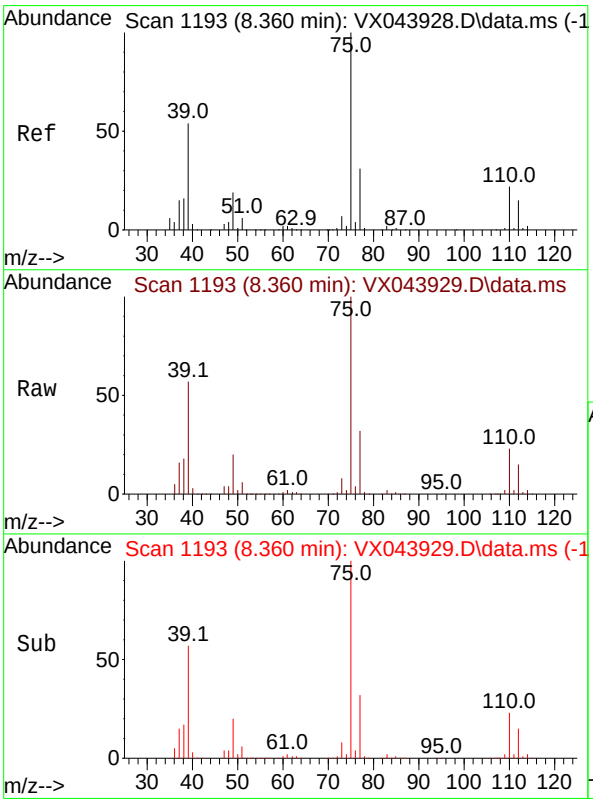
#53
t-1,3-Dichloropropene
Concen: 111.660 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 270418

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7

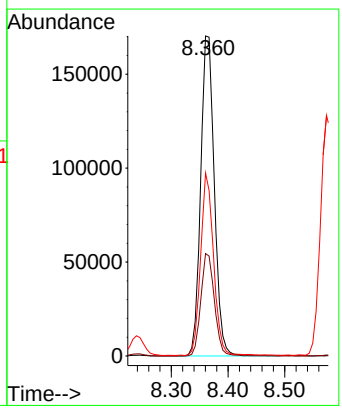


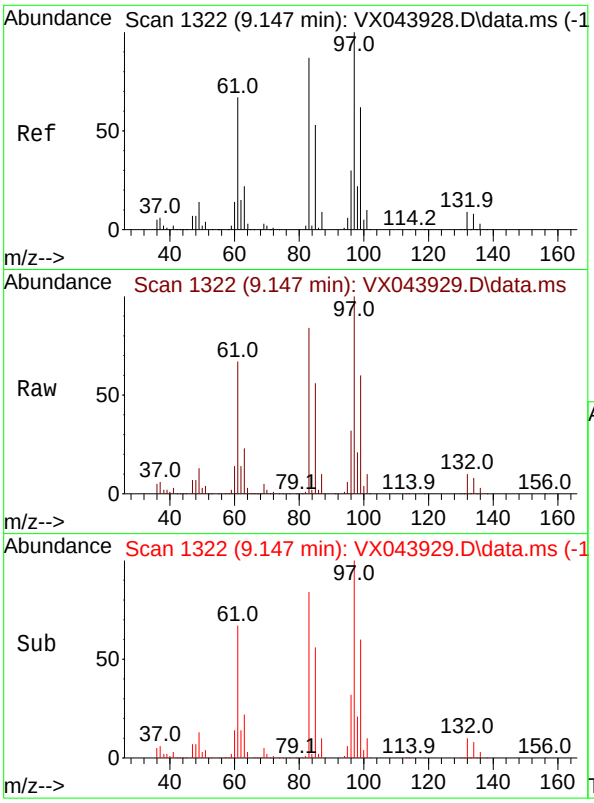


#54
cis-1,3-Dichloropropene
Concen: 107.584 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 285627

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	57.0	43.1	64.7



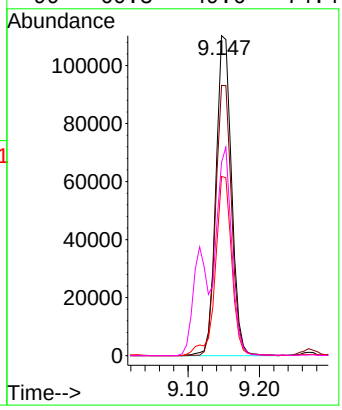


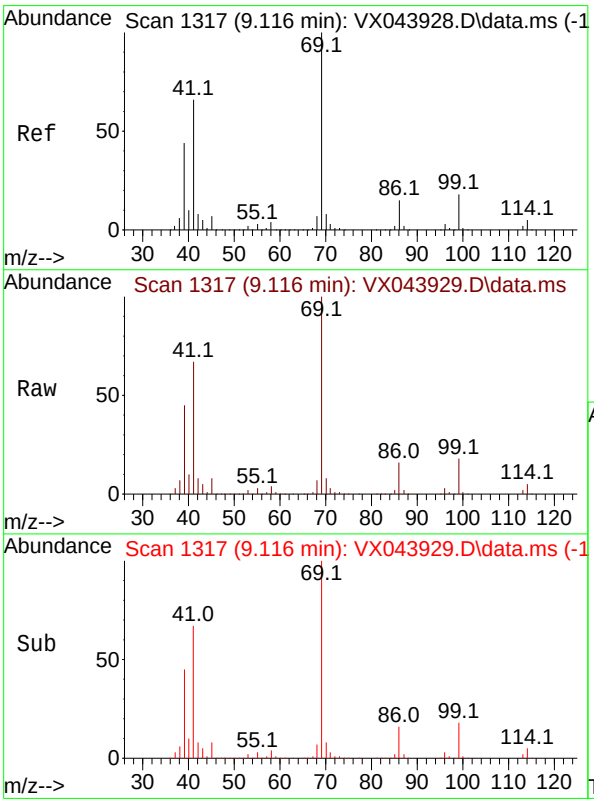
#55
1,1,2-Trichloroethane
Concen: 99.107 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 167357

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.4	104.0
85	56.0	42.3	63.5
99	60.3	49.6	74.4

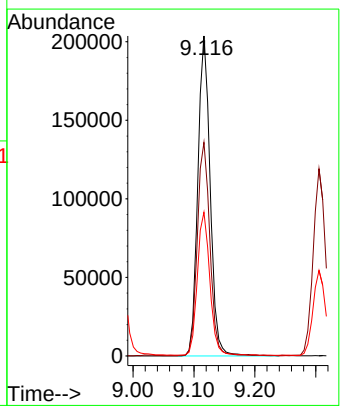


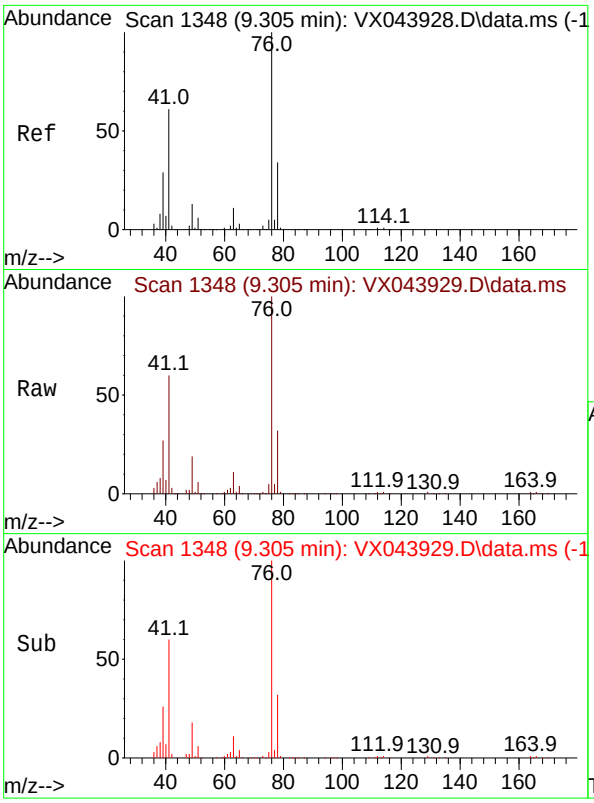


#56
Ethyl methacrylate
Concen: 109.076 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.8	83.8
39	45.3	36.7	55.1



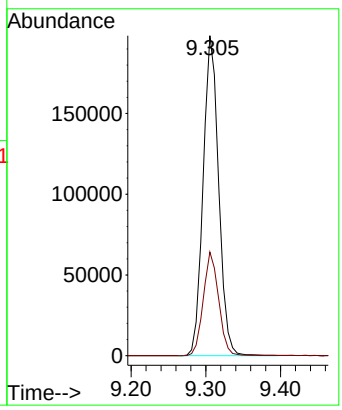


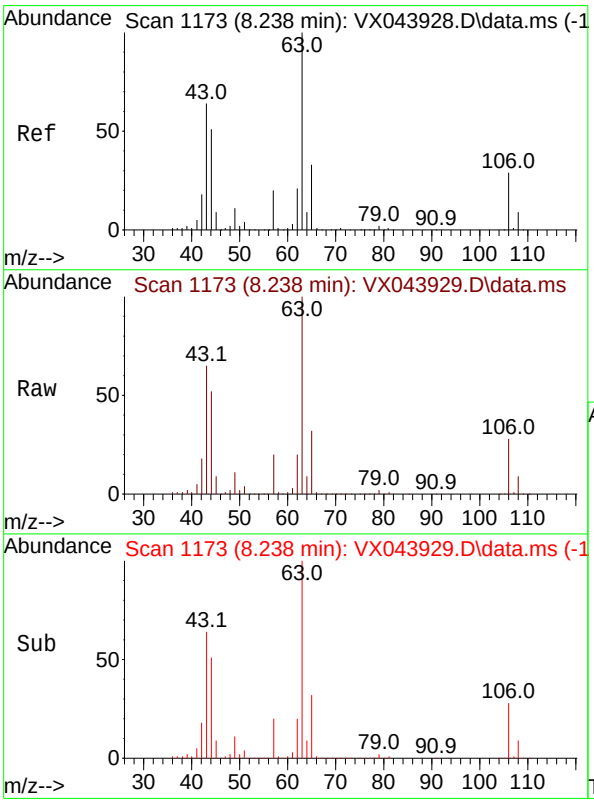
#57
1,3-Dichloropropane
Concen: 100.370 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 285511

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

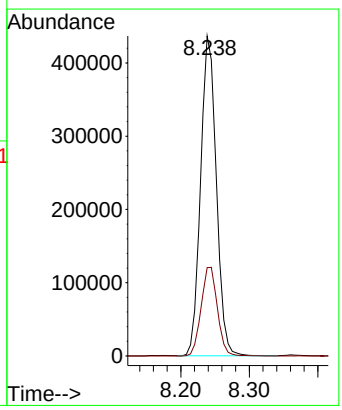


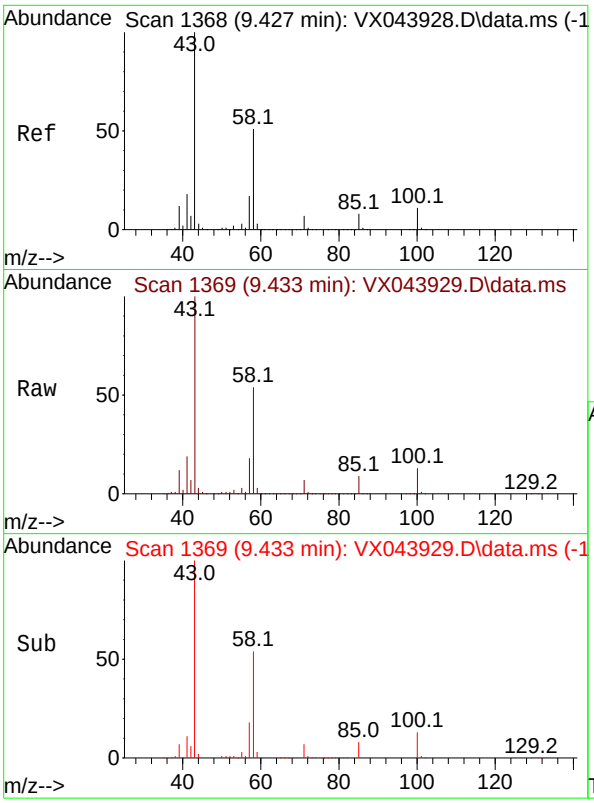


#58
2-Chloroethyl Vinyl ether
Concen: 489.972 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6



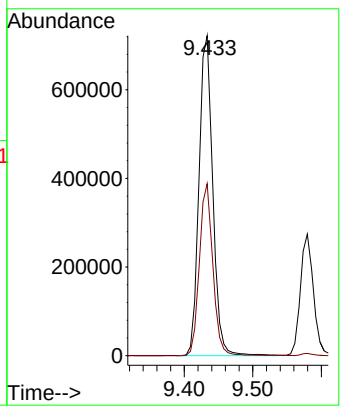


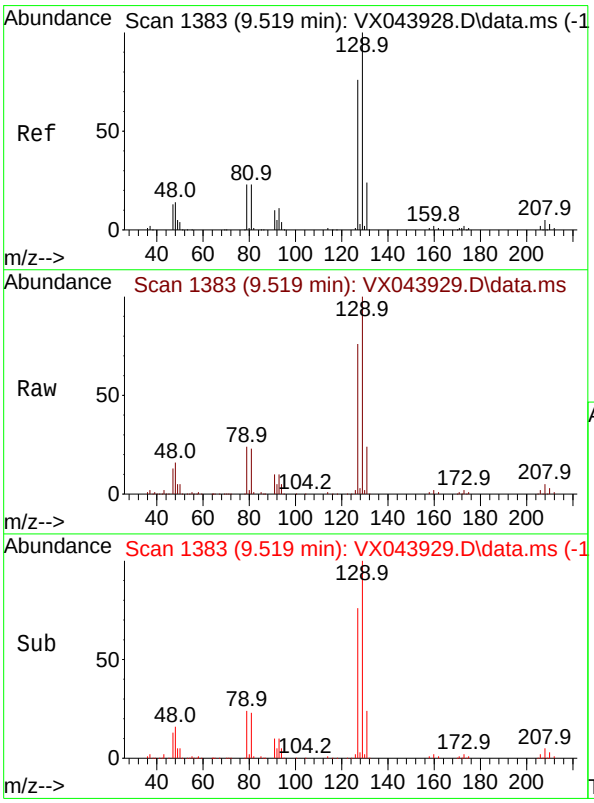
#59
2-Hexanone
Concen: 508.639 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1011261

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

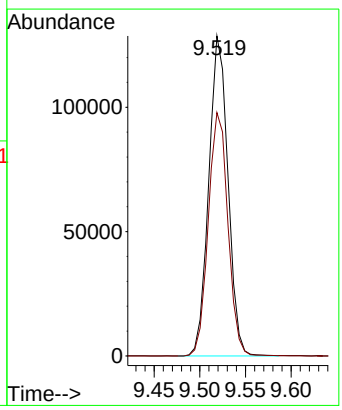


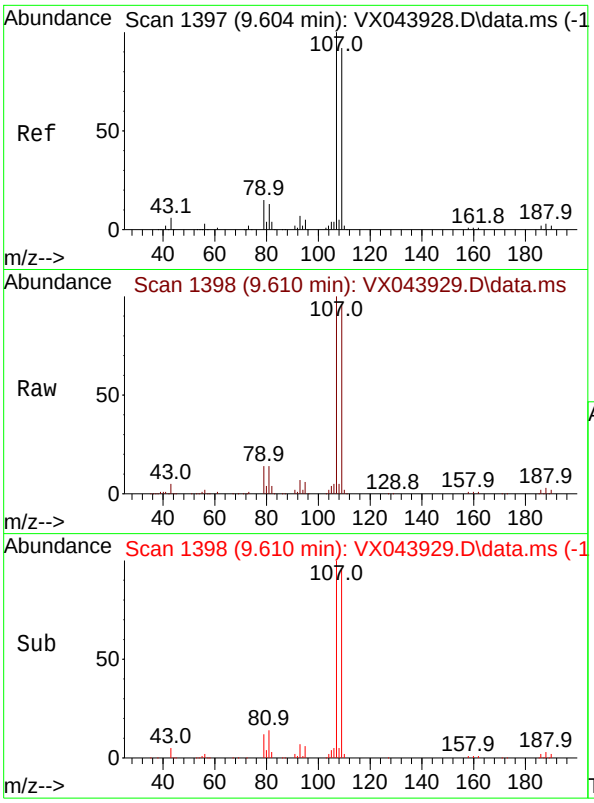


#60
Dibromochloromethane
Concen: 110.653 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.2	114.6



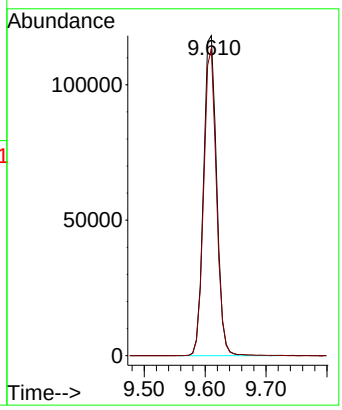


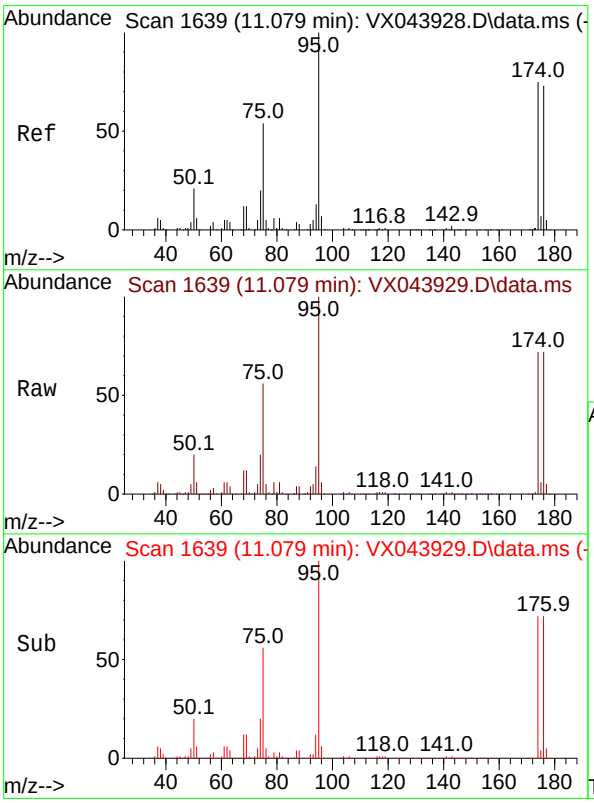
#61
1,2-Dibromoethane
Concen: 103.278 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 176345

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8

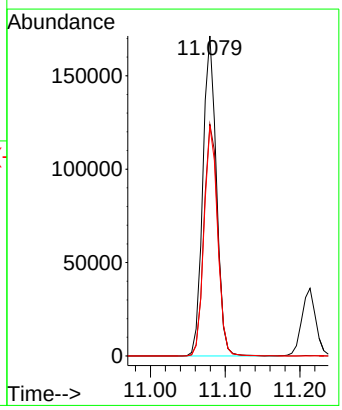


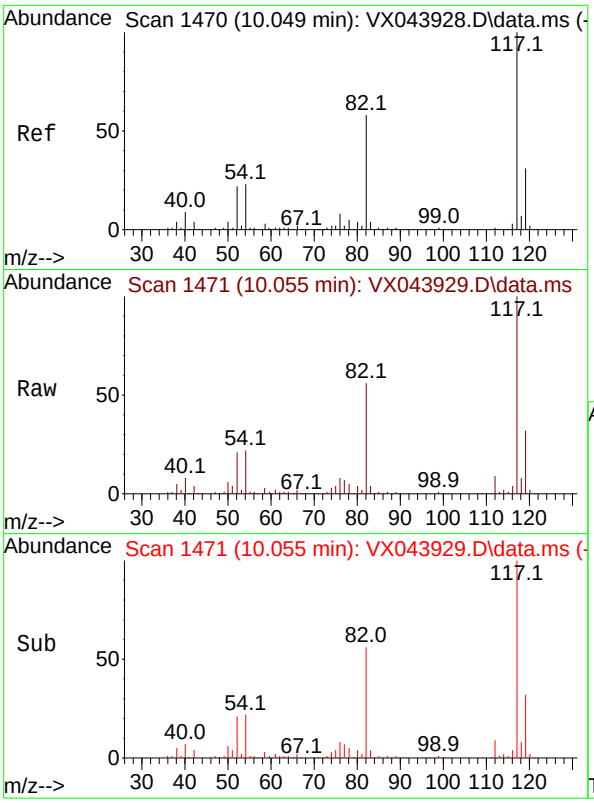


#62
4-Bromofluorobenzene
Concen: 104.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 95 Resp: 215953

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	150.4
176	71.8	0.0	146.0



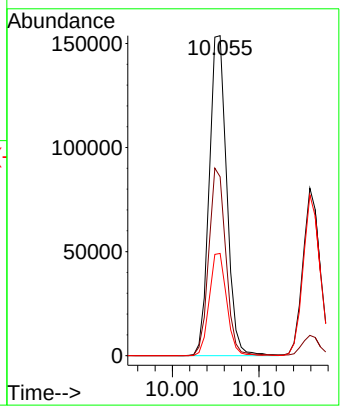


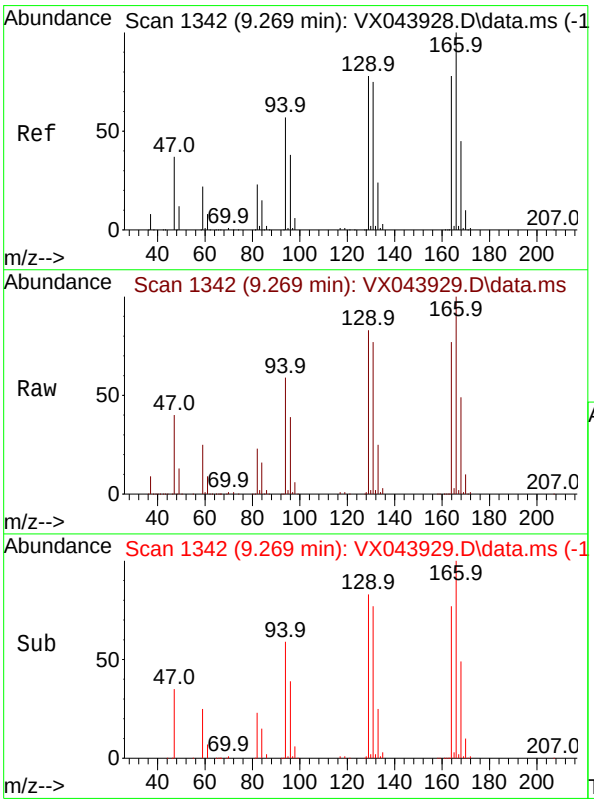
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 215595

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.4	69.6
119	31.9	24.6	37.0

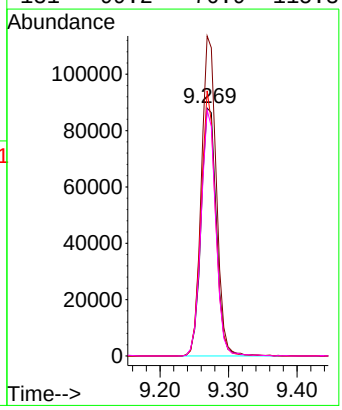


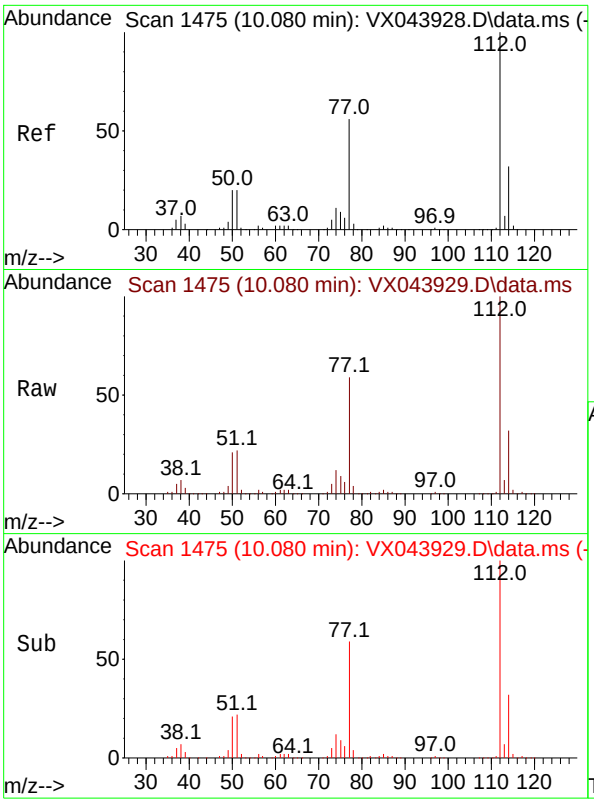


#64
Tetrachloroethene
Concen: 95.484 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.1	153.1
129	107.0	79.6	119.4
131	99.2	76.9	115.3



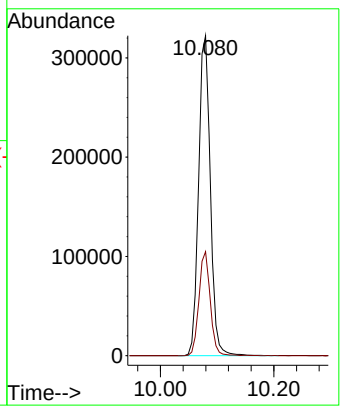


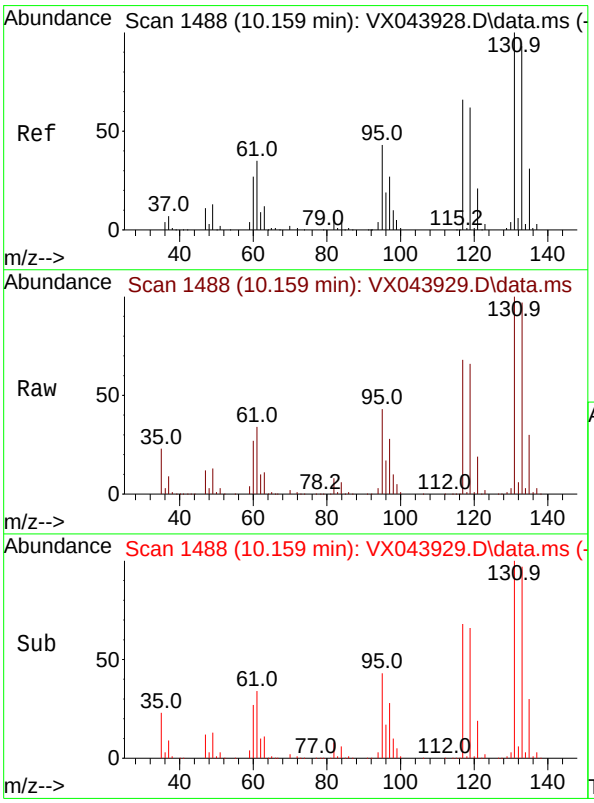
#65
Chlorobenzene
Concen: 97.374 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 461076

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.0

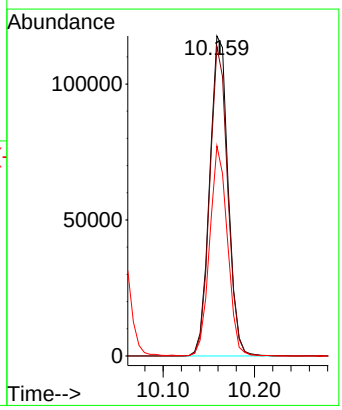


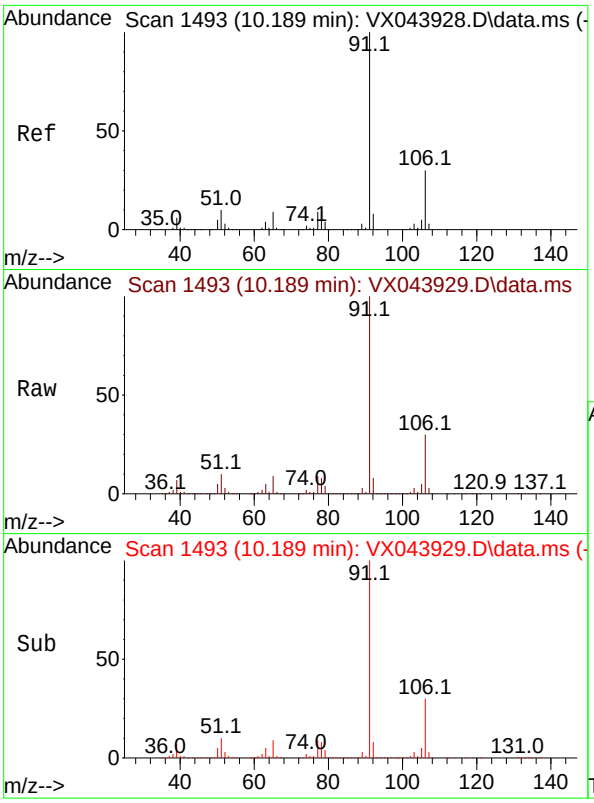


#66
1,1,1,2-Tetrachloroethane
Concen: 107.177 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.2	144.6
119	63.2	31.5	94.5



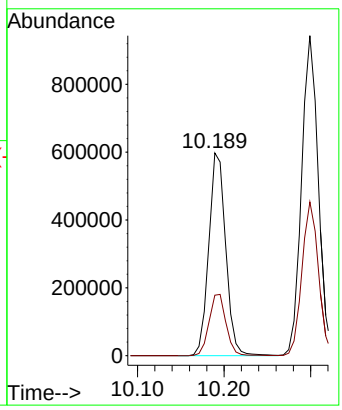


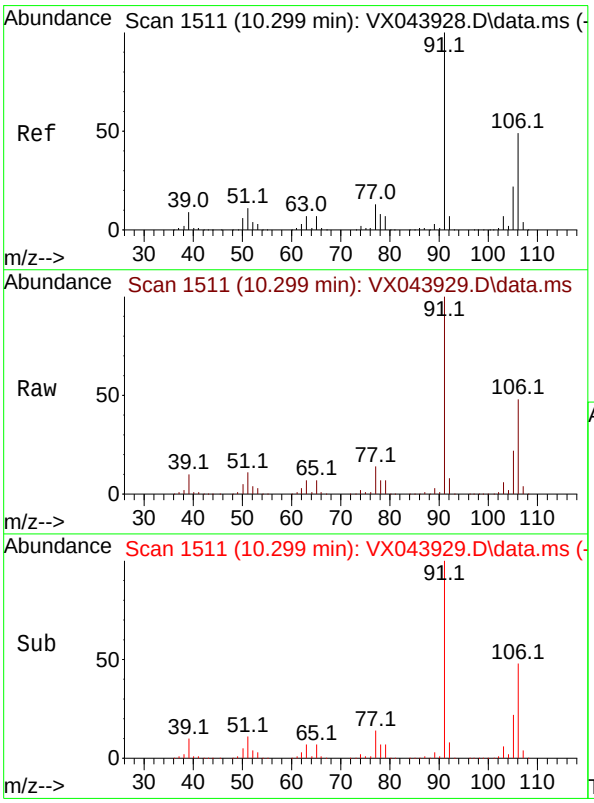
#67
Ethyl Benzene
Concen: 101.238 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 812289

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.6	35.4

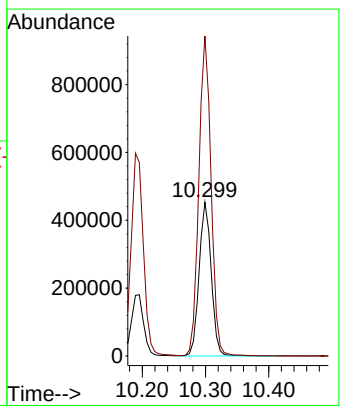


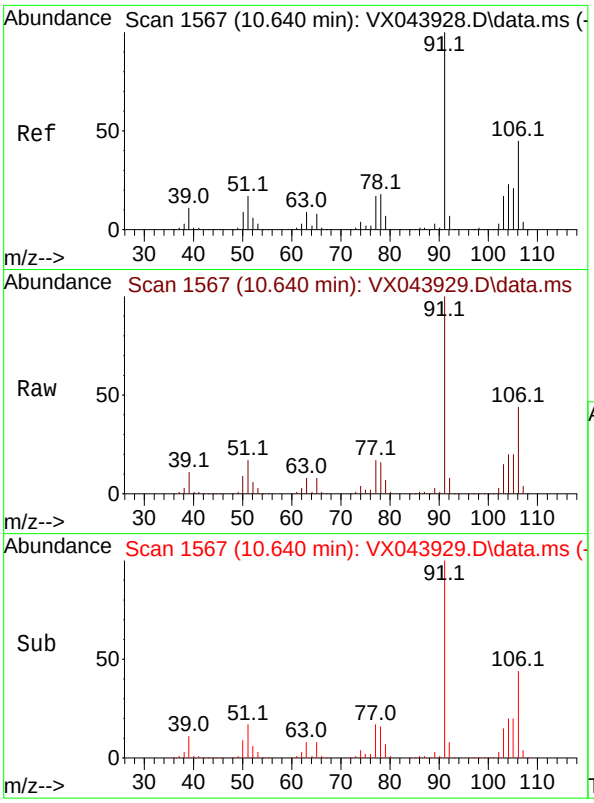


#68
m/p-Xylenes
Concen: 201.677 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.1	252.1



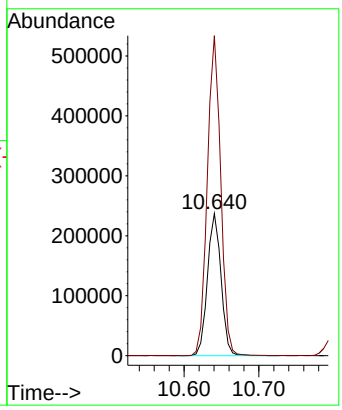


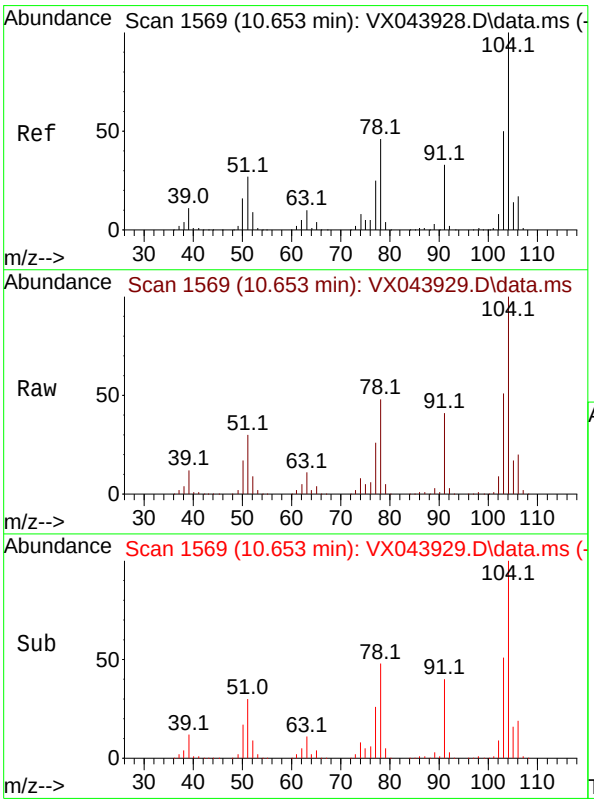
#69
o-Xylene
Concen: 102.257 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 298739

Ion	Ratio	Lower	Upper
106	100		
91	222.3	110.2	330.6

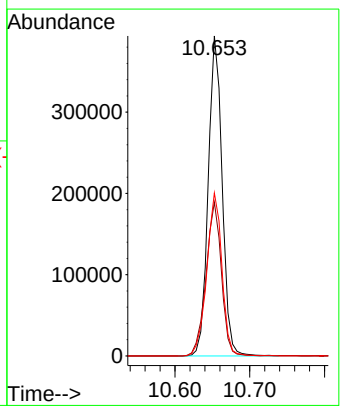


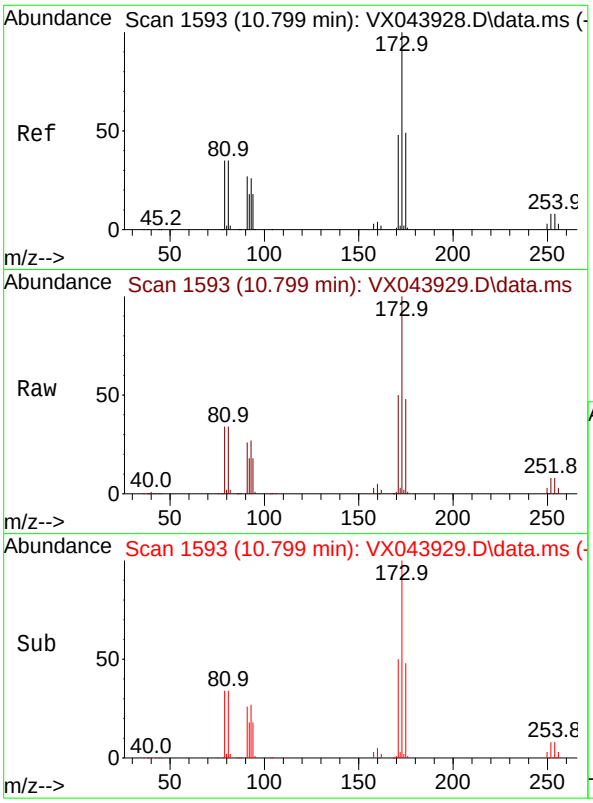


#70
Styrene
Concen: 105.807 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.2	63.2
103	55.4	44.7	67.1



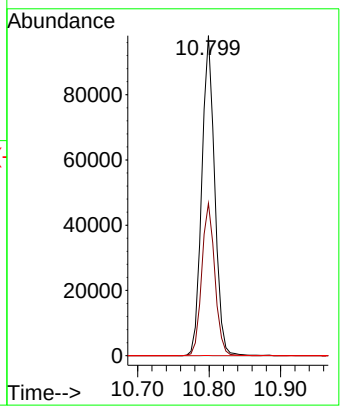


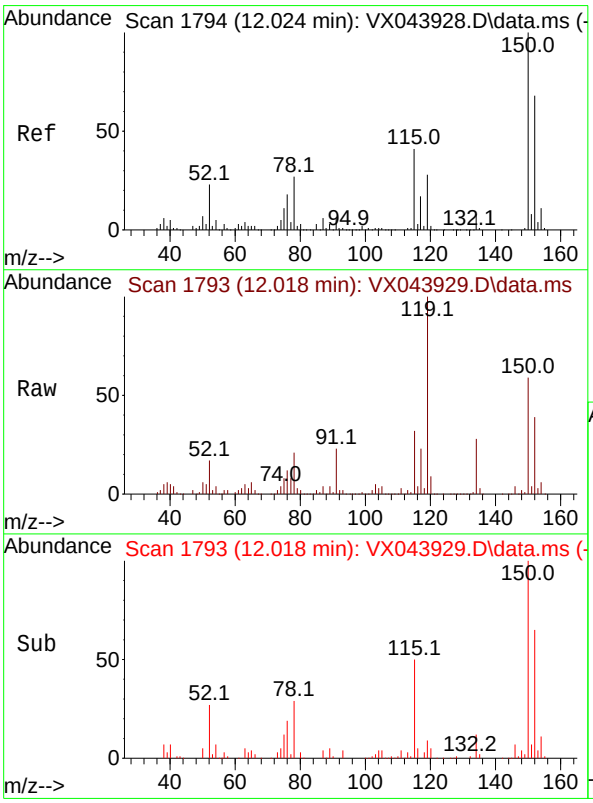
#71
Bromoform
Concen: 98.888 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 123114

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0#

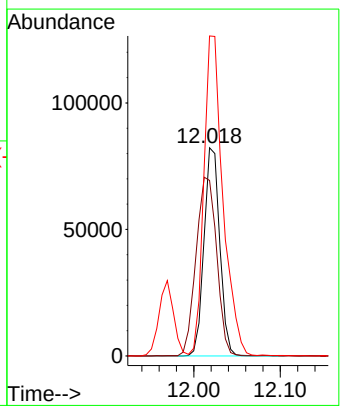


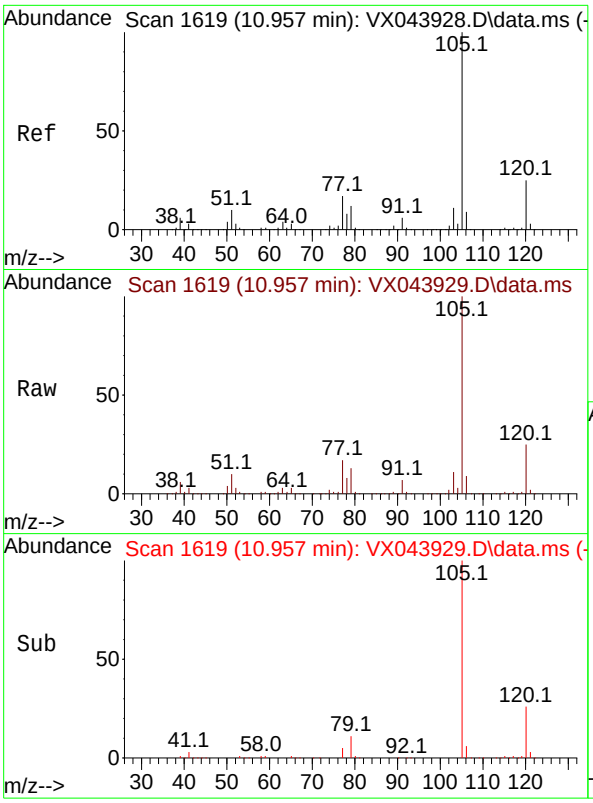


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:152 Resp: 104048

Ion	Ratio	Lower	Upper
152	100		
115	112.2	45.4	136.2
150	186.1	0.0	353.0



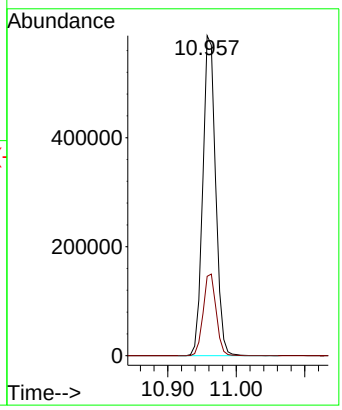


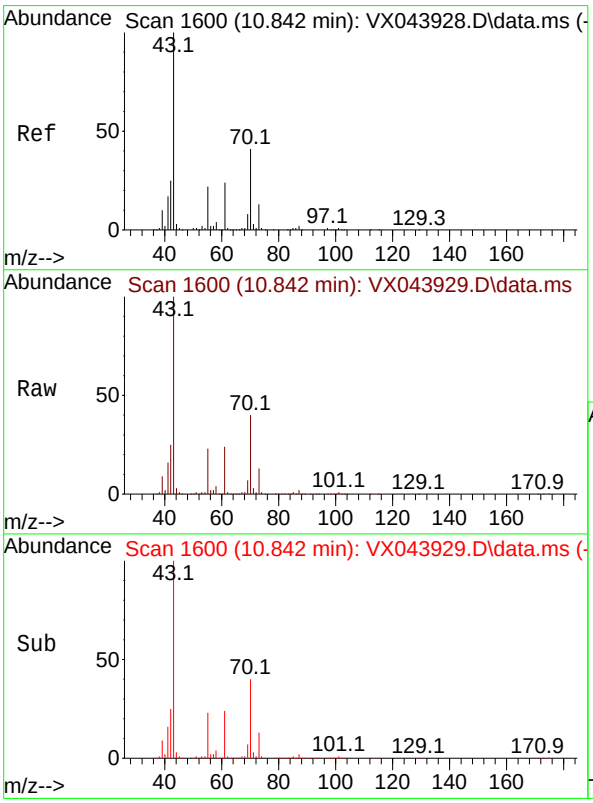
#73
Isopropylbenzene
Concen: 95.726 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 765623

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

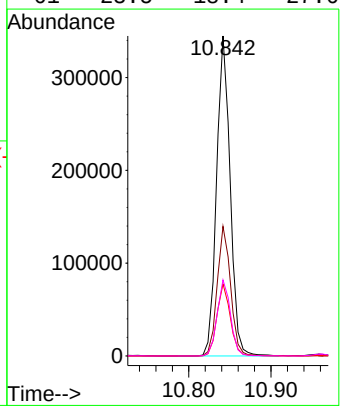


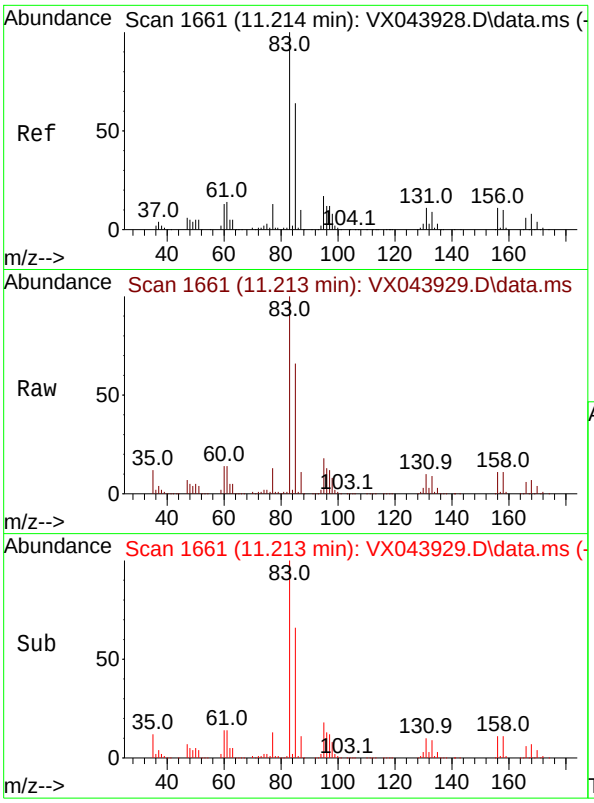


#74
N-amyl acetate
Concen: 106.458 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	22.3	18.1	27.1
61	23.5	18.4	27.6



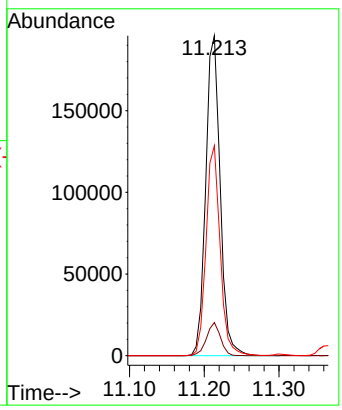


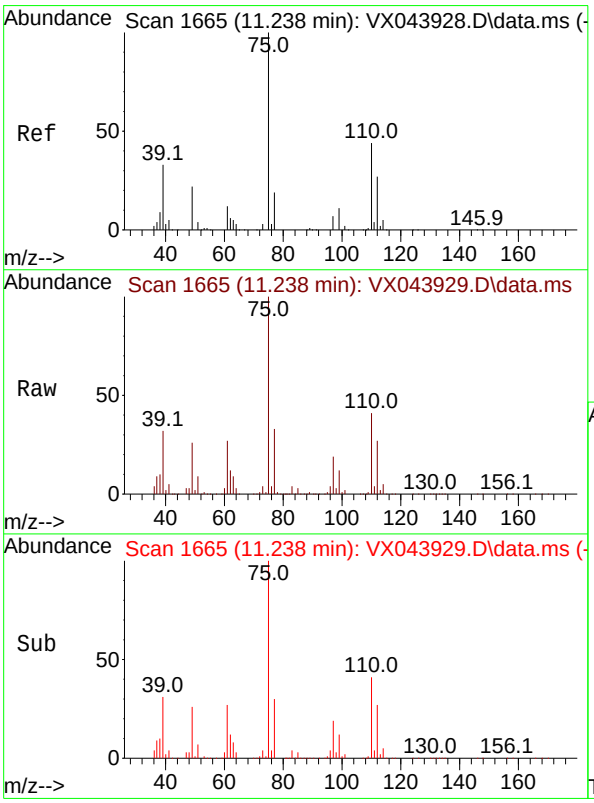
#75
1,1,2,2-Tetrachloroethane
Concen: 95.779 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 262302

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	64.1	32.2	96.6

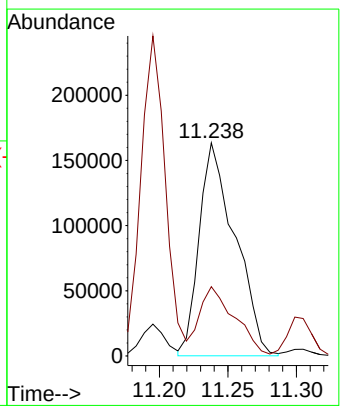


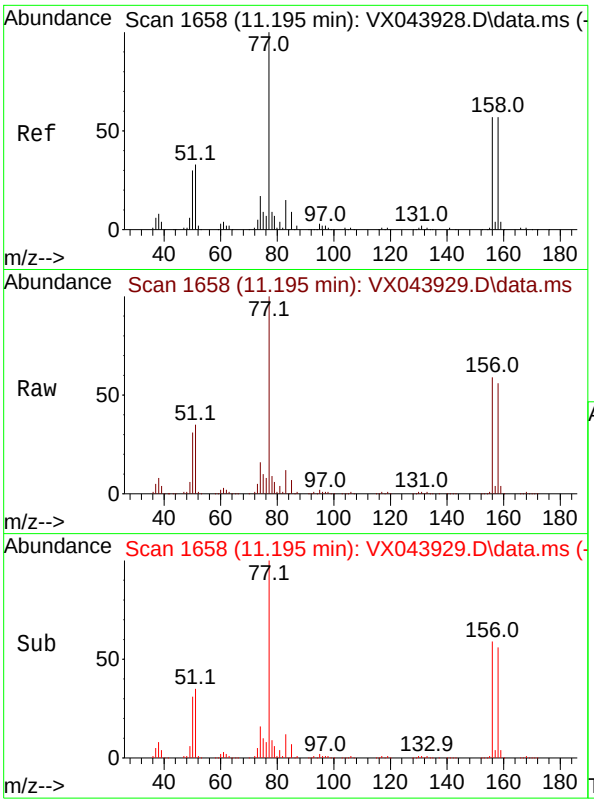


#76
1,2,3-Trichloropropane
Concen: 132.787 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 297947

Ion	Ratio	Lower	Upper
75	100		
77	31.9	21.8	65.3



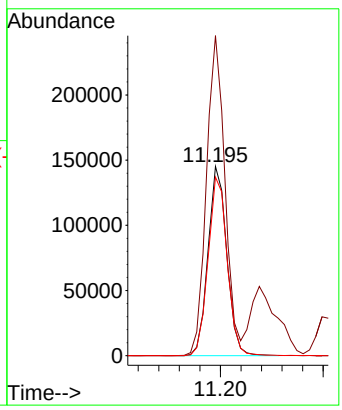


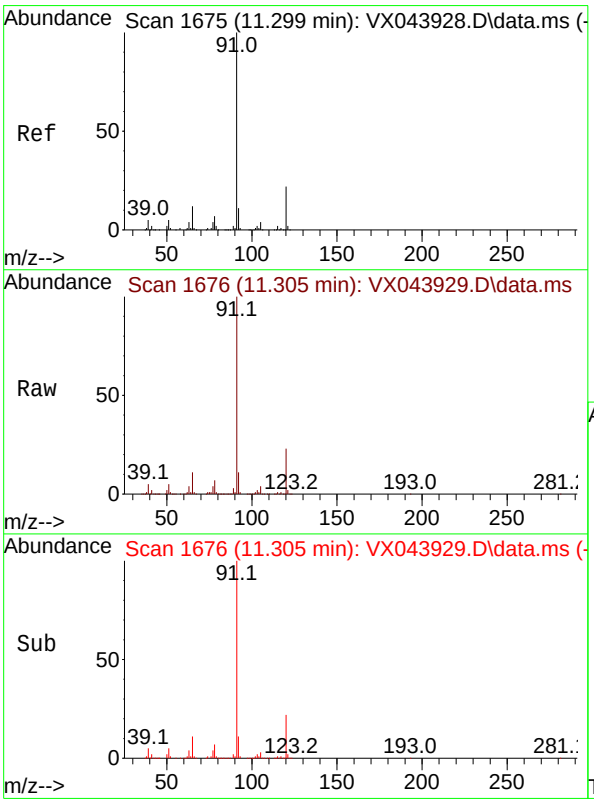
#77
Bromobenzene
Concen: 96.304 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 183742

Ion	Ratio	Lower	Upper
156	100		
77	166.9	83.4	250.1
158	96.3	47.6	142.8

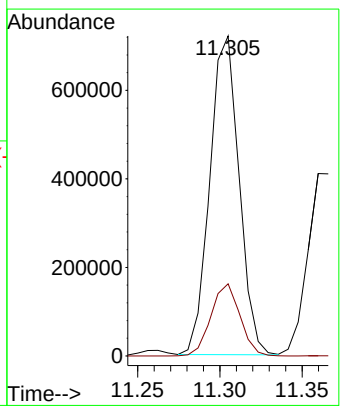


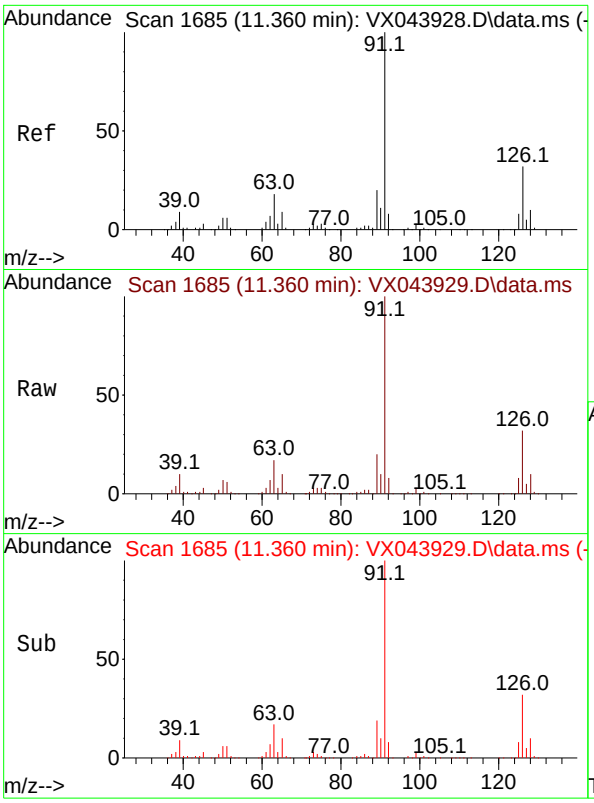


#78
n-propylbenzene
Concen: 99.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4



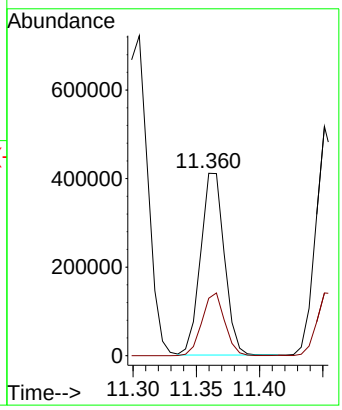


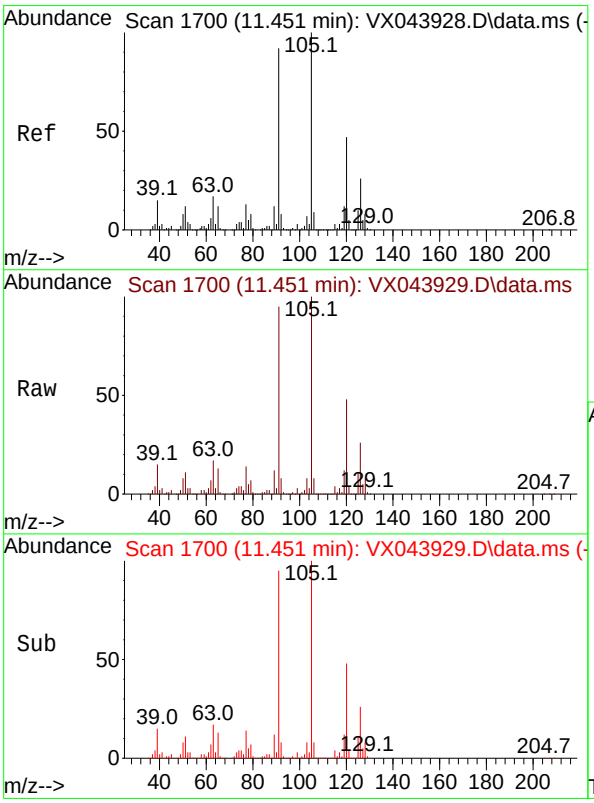
#79
2-Chlorotoluene
Concen: 95.103 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 537190

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.8

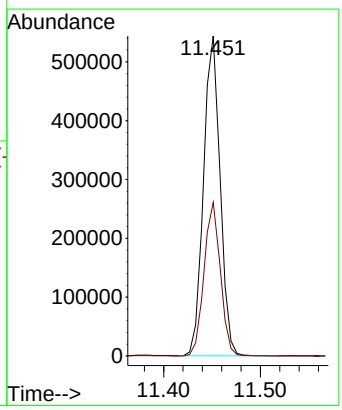


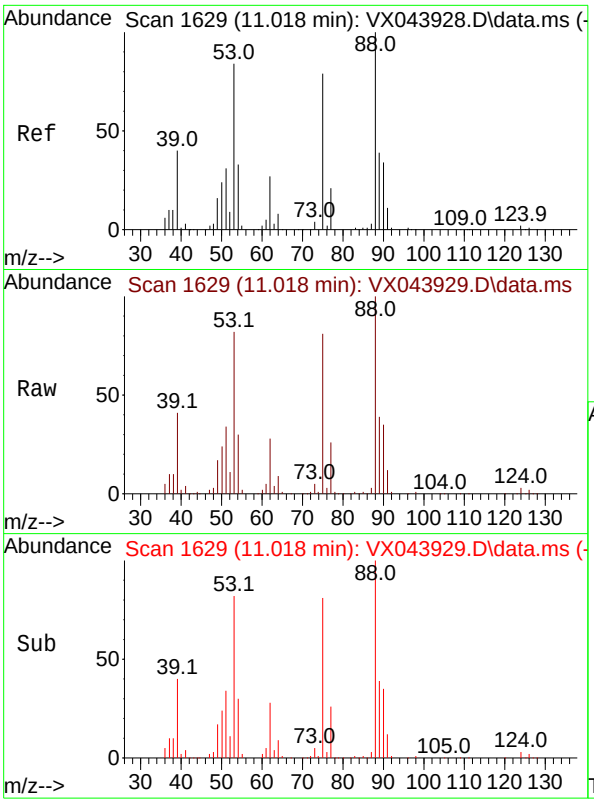


#80
1,3,5-Trimethylbenzene
Concen: 98.618 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.3	69.8



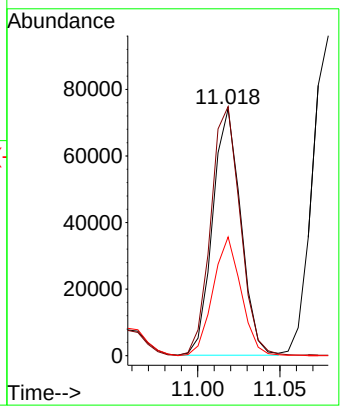


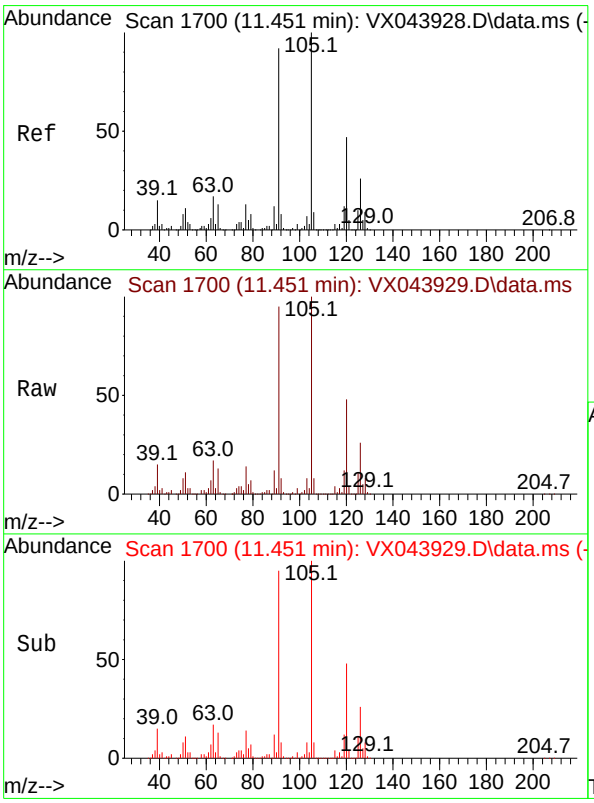
#81
trans-1,4-Dichloro-2-butene
Concen: 105.289 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 88041

Ion	Ratio	Lower	Upper
75	100		
53	106.0	86.7	130.1
89	48.3	38.2	57.2

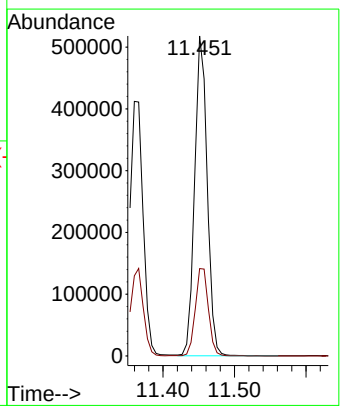


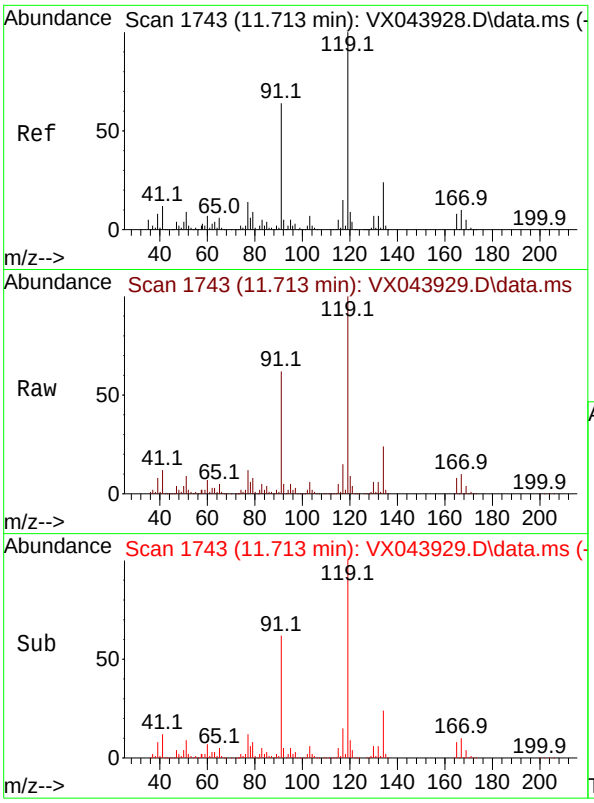


#82
4-Chlorotoluene
Concen: 98.728 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9



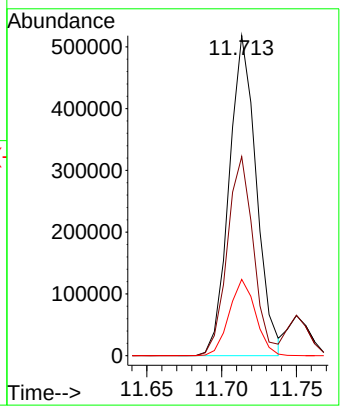


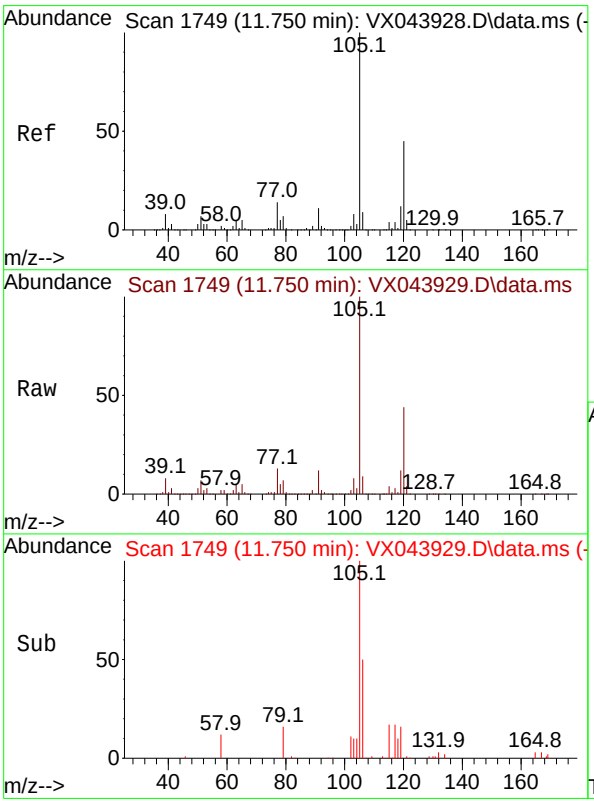
#83
tert-Butylbenzene
Concen: 100.570 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 655918

Ion	Ratio	Lower	Upper
119	100		
91	60.2	31.0	93.0
134	23.1	11.6	34.8

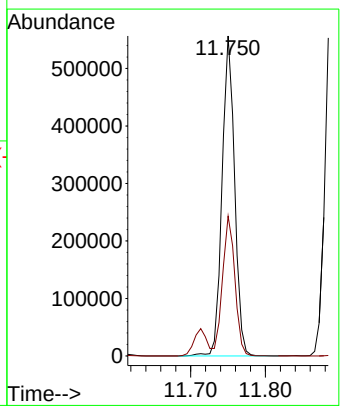


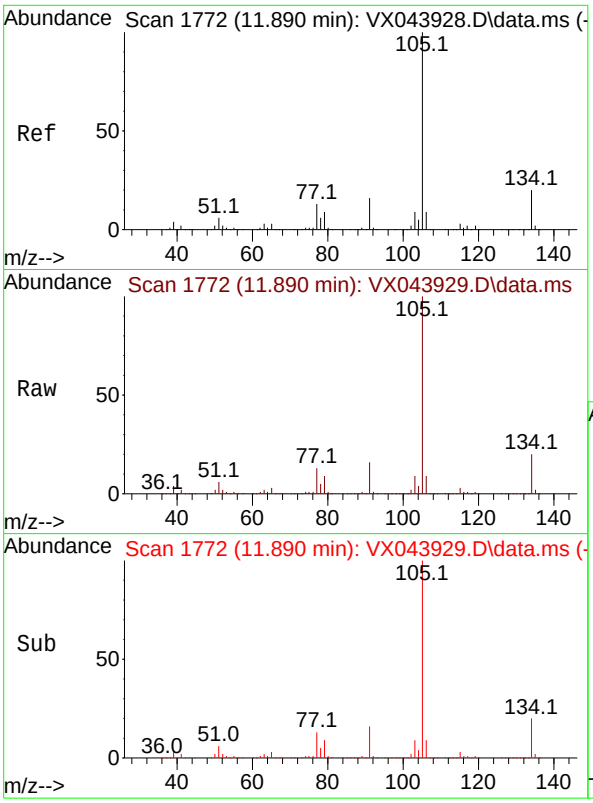


#84
1,2,4-Trimethylbenzene
Concen: 99.244 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 650156

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.9	65.7



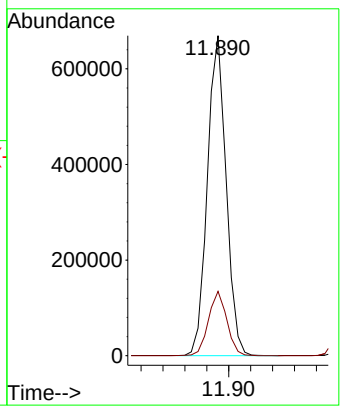


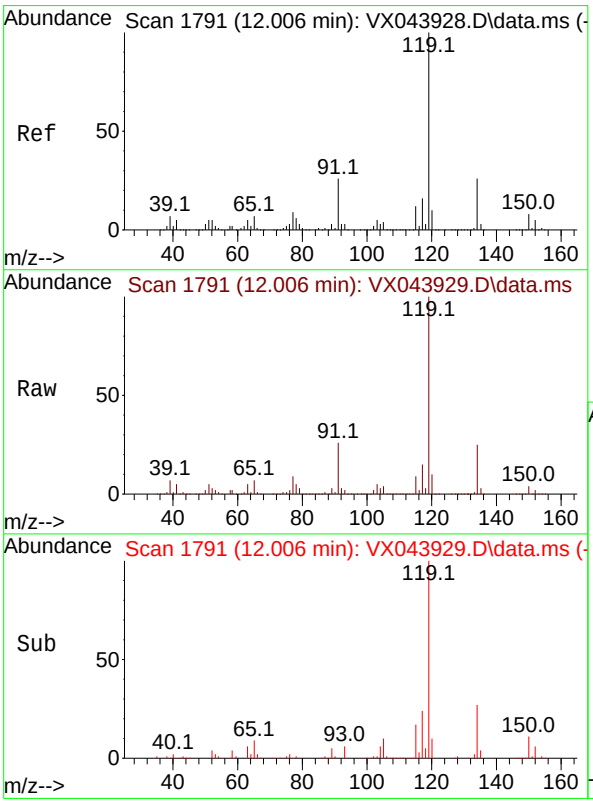
#85
sec-Butylbenzene
Concen: 99.267 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 793233

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

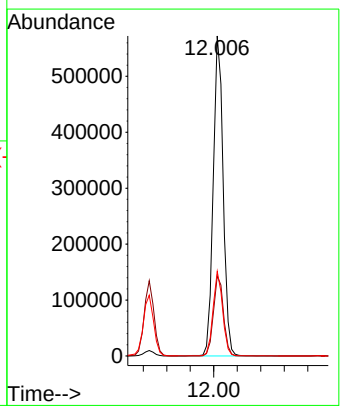


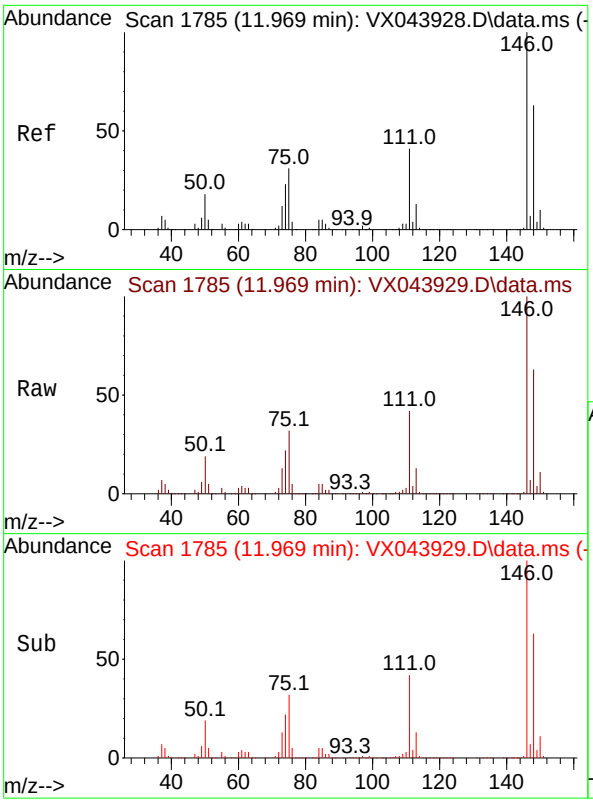


#86
p-Isopropyltoluene
Concen: 103.194 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	38.9
91	25.4	13.0	38.9



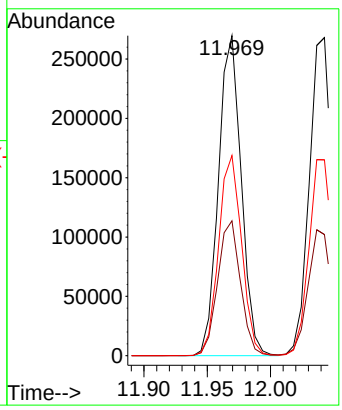


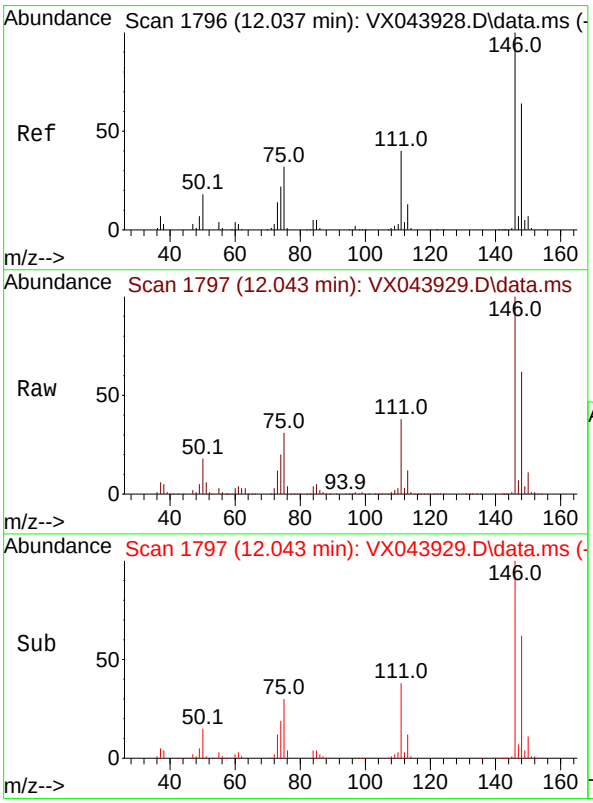
#87
1,3-Dichlorobenzene
Concen: 97.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 337665

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.3
148	63.1	31.7	95.1

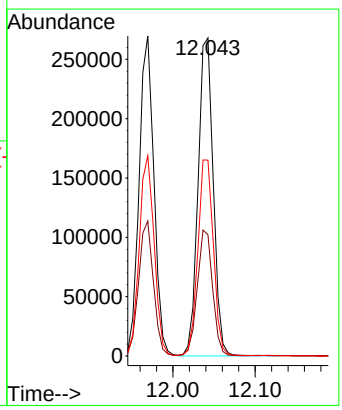


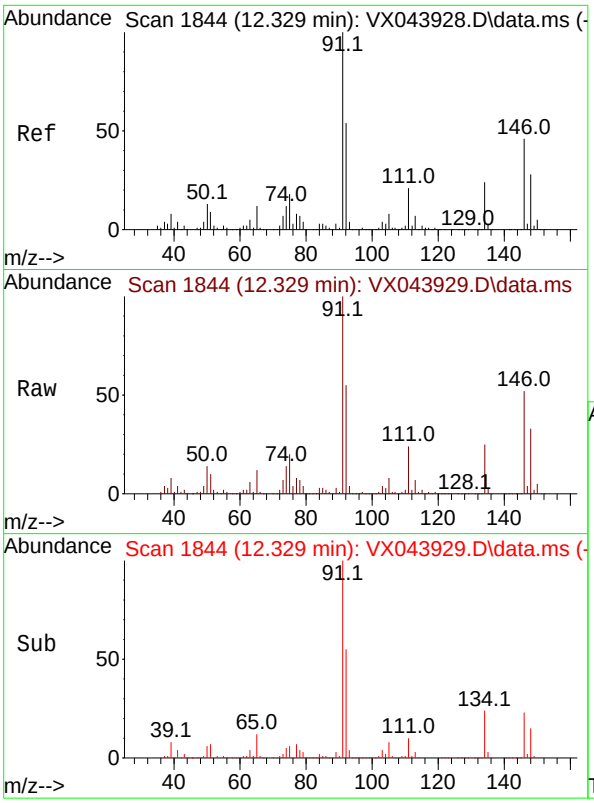


#88
1,4-Dichlorobenzene
Concen: 97.283 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	63.7	30.9	92.8



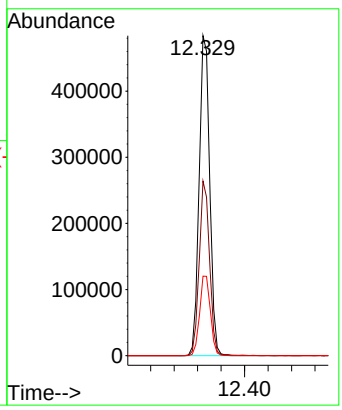


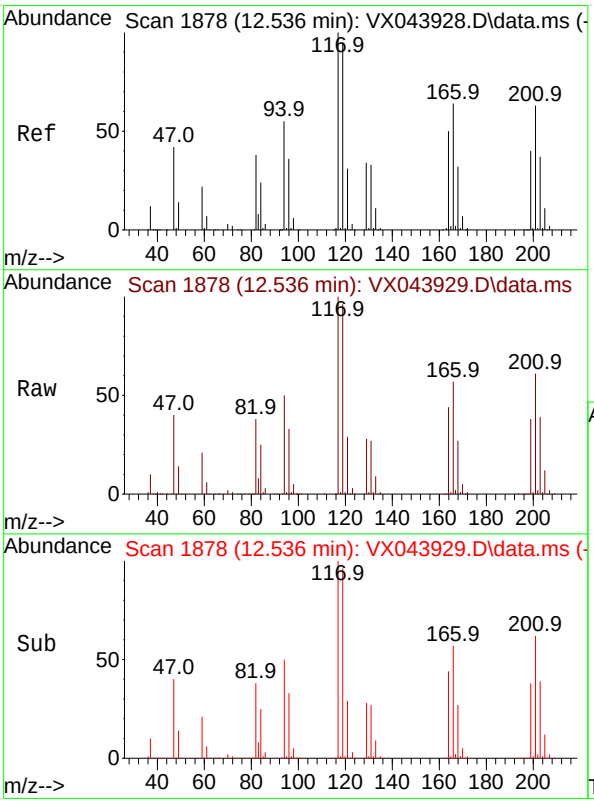
#89
n-Butylbenzene
Concen: 105.767 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 605284

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.8
134	25.4	12.4	37.2

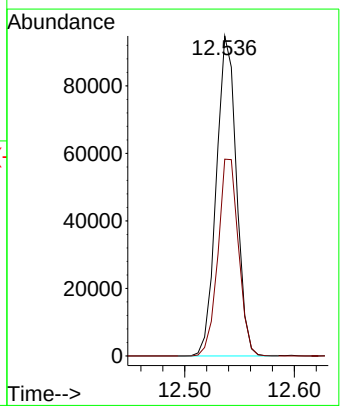


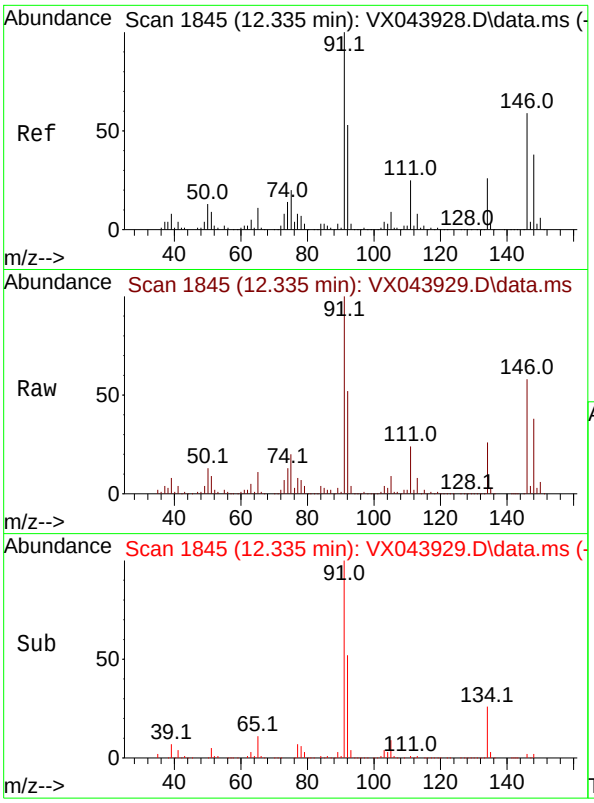


#90
Hexachloroethane
Concen: 109.549 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 120913

Ion	Ratio	Lower	Upper
117	100		
201	62.9	32.4	97.0



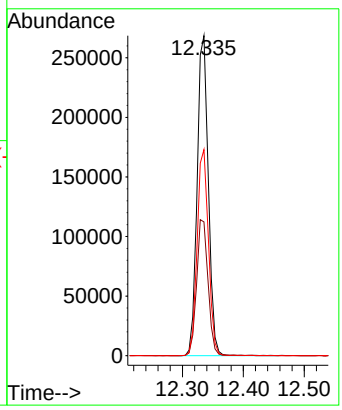


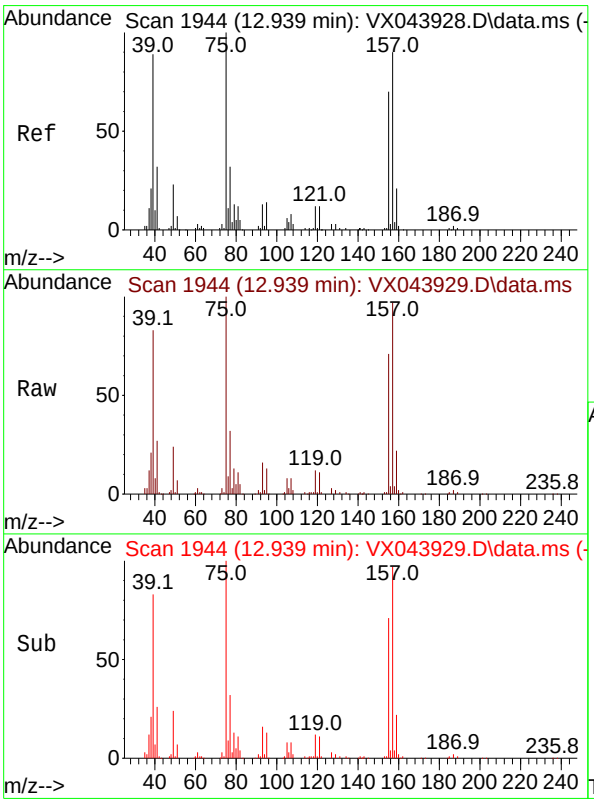
#91
1,2-Dichlorobenzene
Concen: 97.457 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 341767

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	65.0	31.9	95.5

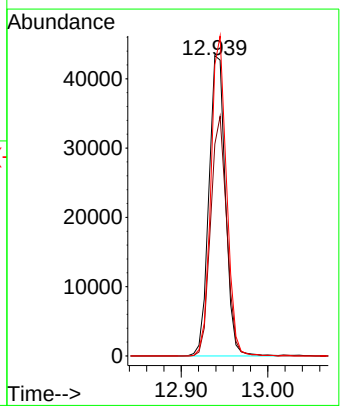


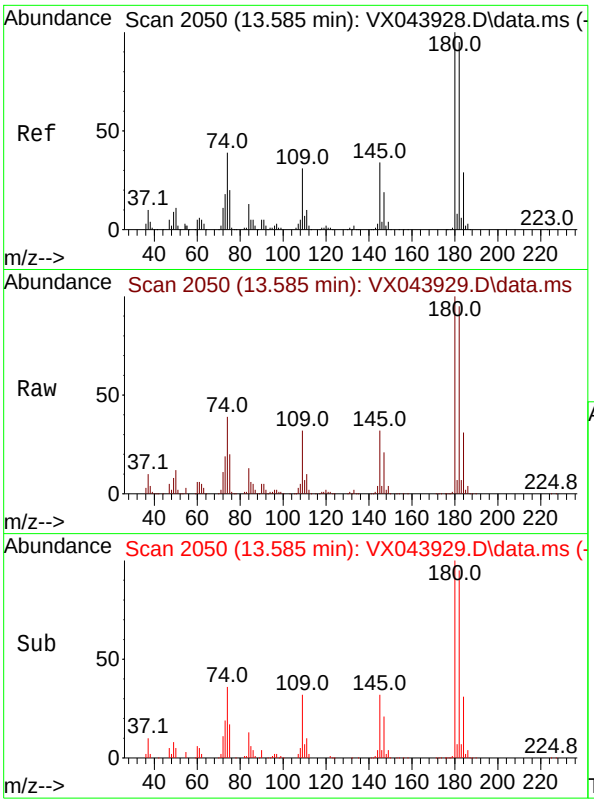


#92
1,2-Dibromo-3-Chloropropane
Concen: 104.396 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.1	120.2
157	100.9	49.6	149.0



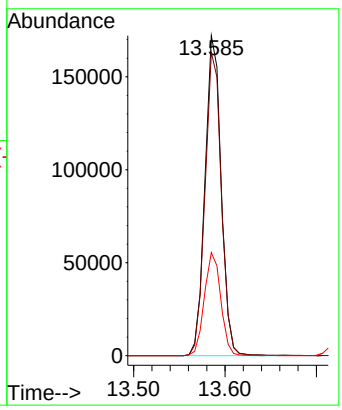


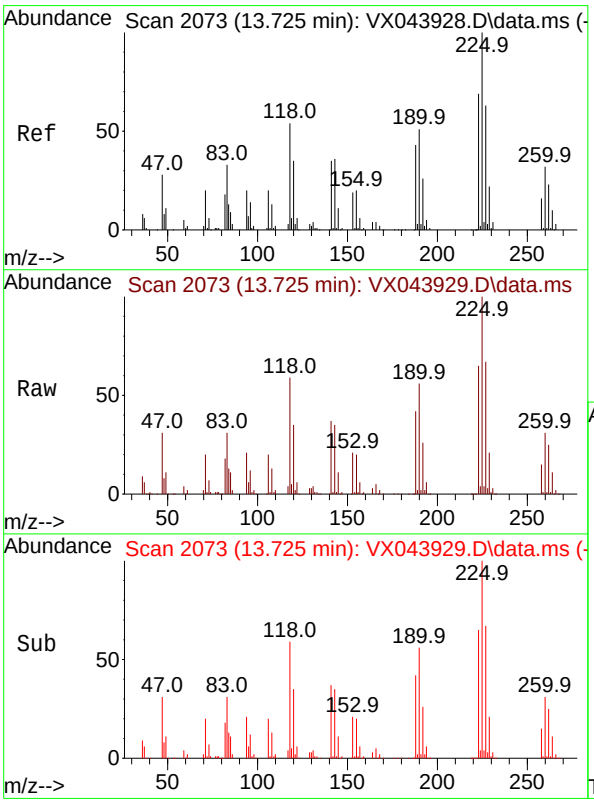
#93
1,2,4-Trichlorobenzene
Concen: 101.849 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 210571

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	32.8	16.8	50.4

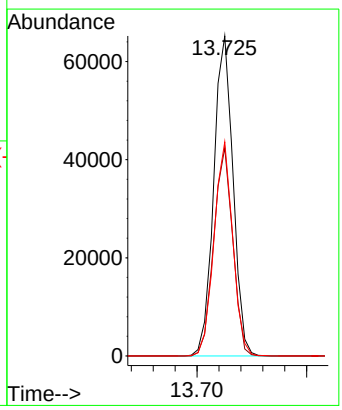


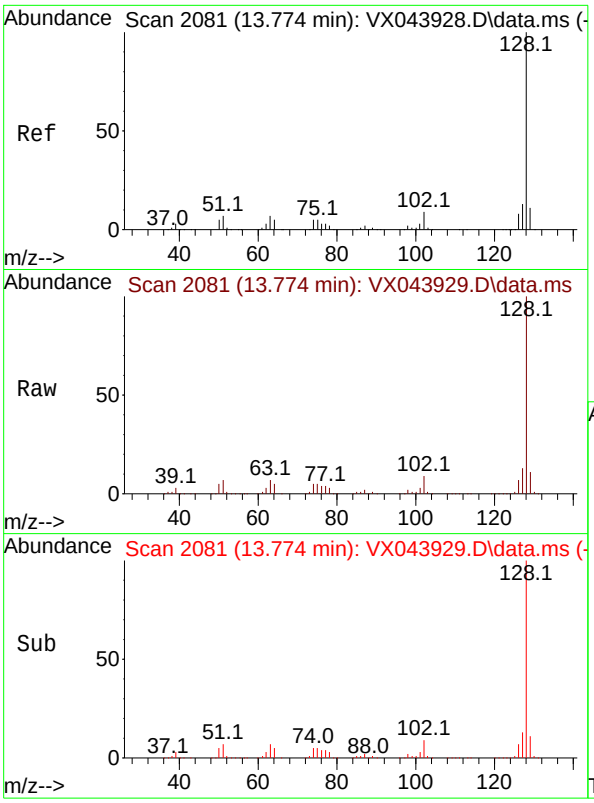


#94
Hexachlorobutadiene
Concen: 97.688 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:225 Resp: 79822

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	65.0	31.6	94.8



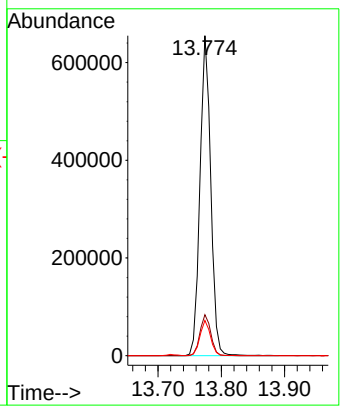


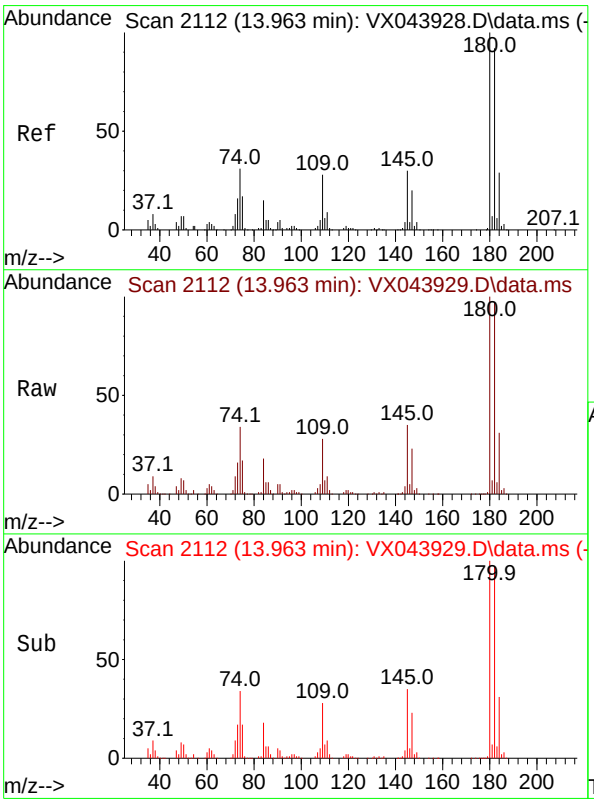
#95
Naphthalene
Concen: 104.367 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 776740

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

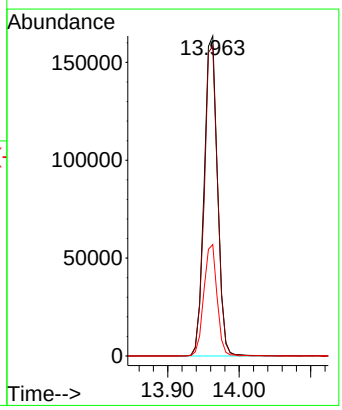




#96
1,2,3-Trichlorobenzene
Concen: 101.219 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 211814

Ion	Ratio	Lower	Upper
180	100		
182	96.8	45.6	136.8
145	34.6	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	349080	153.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 307.700%#			
35) Dibromofluoromethane	5.385	113	268135	157.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 315.820%#			
50) Toluene-d8	8.647	98	896413	153.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 306.280%#			
62) 4-Bromofluorobenzene	11.079	95	324612	162.951	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 325.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	144.040	ug/l	99
3) Chloromethane	1.294	50	268770	152.406	ug/l	99
4) Vinyl Chloride	1.374	62	271568	144.779	ug/l	99
5) Bromomethane	1.593	94	175581	152.160	ug/l	99
6) Chloroethane	1.660	64	140375	122.817	ug/l	99
7) Trichlorofluoromethane	1.861	101	527057	157.163	ug/l	100
8) Diethyl Ether	2.136	74	185146	151.473	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	148.564	ug/l	99
10) Methyl Iodide	2.440	142	299792	150.056	ug/l	99
11) Tert butyl alcohol	3.014	59	306168	840.696	ug/l	100
12) 1,1-Dichloroethene	2.306	96	228504	149.905	ug/l	99
13) Acrolein	2.239	56	294638	767.557	ug/l	97
14) Allyl chloride	2.654	41	394228	158.278	ug/l	98
15) Acrylonitrile	3.068	53	684169	770.903	ug/l	99
16) Acetone	2.392	43	734161	704.500	ug/l	99
17) Carbon Disulfide	2.501	76	554853	176.465	ug/l	99
18) Methyl Acetate	2.703	43	361338	148.895	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	869848	157.161	ug/l	100
20) Methylene Chloride	2.782	84	260099	147.078	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	245485	155.985	ug/l	98
22) Diisopropyl ether	3.763	45	835960	156.960	ug/l	97
23) Vinyl Acetate	3.721	43	3797951	833.608	ug/l	99
24) 1,1-Dichloroethane	3.599	63	479590	156.091	ug/l	99
25) 2-Butanone	4.568	43	1012692	753.134	ug/l	100
26) 2,2-Dichloropropane	4.465	77	440061	158.591	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	304342	156.447	ug/l	100
28) Bromochloromethane	4.891	49	207753	153.614	ug/l	97
29) Tetrahydrofuran	5.007	42	617277	748.806	ug/l	99
30) Chloroform	5.092	83	513285	155.325	ug/l	96
31) Cyclohexane	5.458	56	367157	145.191	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	455922	159.987	ug/l	99
36) 1,1-Dichloropropene	5.684	75	331239	156.540	ug/l	97
37) Ethyl Acetate	4.721	43	393670	149.876	ug/l	99
38) Carbon Tetrachloride	5.672	117	376287	158.262	ug/l	99
39) Methylcyclohexane	7.372	83	410333	149.269	ug/l	97
40) Benzene	6.031	78	999210	151.598	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	206026	153.252	ug/l		94
42) 1,2-Dichloroethane	6.080	62	397508	150.163	ug/l		99
43) Isopropyl Acetate	6.342	43	661839	158.329	ug/l		100
44) Trichloroethene	7.123	130	251071	134.559	ug/l		94
45) 1,2-Dichloropropane	7.427	63	249394	154.486	ug/l		98
46) Dibromomethane	7.580	93	202329	158.440	ug/l		99
47) Bromodichloromethane	7.818	83	388259	169.524	ug/l		100
48) Methyl methacrylate	7.690	41	315872	157.479	ug/l		99
49) 1,4-Dioxane	7.665	88	106634	3083.461	ug/l		91
51) 4-Methyl-2-Pentanone	8.580	43	1954925	766.353	ug/l		99
52) Toluene	8.714	92	607179	153.910	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	406346	173.984	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	428549	167.379	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	245706	150.879	ug/l		98
56) Ethyl methacrylate	9.116	69	420409	165.742	ug/l		100
57) 1,3-Dichloropropane	9.305	76	416811	151.939	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	753.191	ug/l		99
59) 2-Hexanone	9.433	43	1493755	779.070	ug/l		99
60) Dibromochloromethane	9.518	129	286188	175.154	ug/l		99
61) 1,2-Dibromoethane	9.610	107	261369	158.727	ug/l		99
64) Tetrachloroethene	9.268	164	202262	150.897	ug/l		97
65) Chlorobenzene	10.079	112	675513	151.304	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	166.861	ug/l		99
67) Ethyl Benzene	10.195	91	1181693	156.200	ug/l		97
68) m/p-Xylenes	10.299	106	884067	313.360	ug/l		99
69) o-Xylene	10.640	106	436919	158.616	ug/l		99
70) Styrene	10.652	104	742061	162.878	ug/l		98
71) Bromoform	10.799	173	186691	150.272	ug/l	#	99
73) Isopropylbenzene	10.963	105	1135309	153.248	ug/l		100
74) N-amyl acetate	10.841	43	586560	170.913	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	149.781	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	436650	210.095	ug/l		83
77) Bromobenzene	11.195	156	270671	153.159	ug/l		99
78) n-propylbenzene	11.305	91	1296979	156.752	ug/l		99
79) 2-Chlorotoluene	11.366	91	788163	150.642	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	153.592	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	175.724	ug/l		96
82) 4-Chlorotoluene	11.451	91	919566	155.679	ug/l		100
83) tert-Butylbenzene	11.713	119	945058	156.438	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	153.802	ug/l		99
85) sec-Butylbenzene	11.890	105	1148877	155.218	ug/l		99
86) p-Isopropyltoluene	12.006	119	972007	161.670	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	490336	152.338	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	494318	151.224	ug/l		98
89) n-Butylbenzene	12.329	91	903805	170.502	ug/l		100
90) Hexachloroethane	12.536	117	180575	176.628	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	503214	154.918	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	173.059	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	325289	169.860	ug/l		99
94) Hexachlorobutadiene	13.725	225	121126	160.037	ug/l		98
95) Naphthalene	13.774	128	1173154	170.179	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	168.544	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

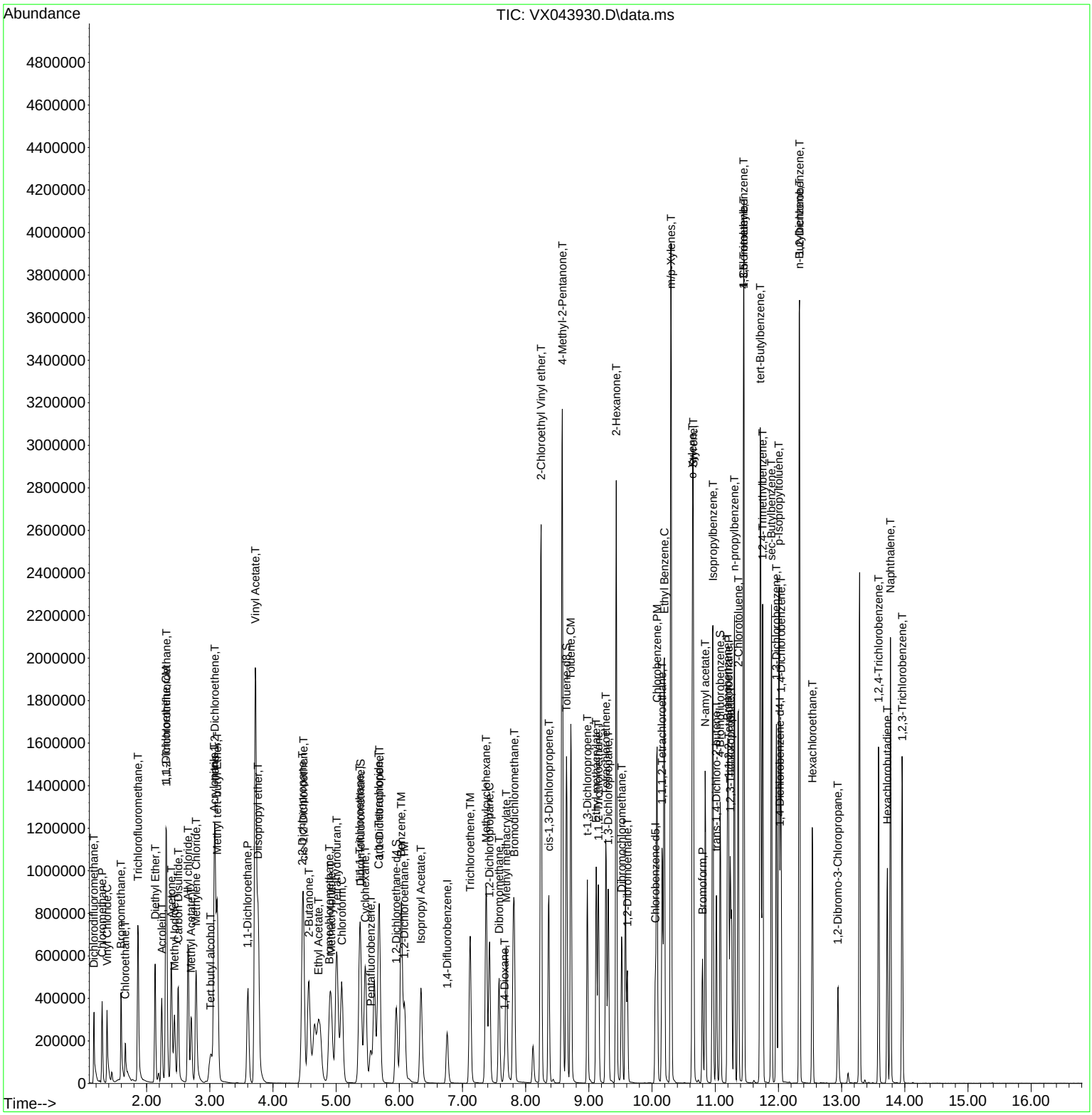
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

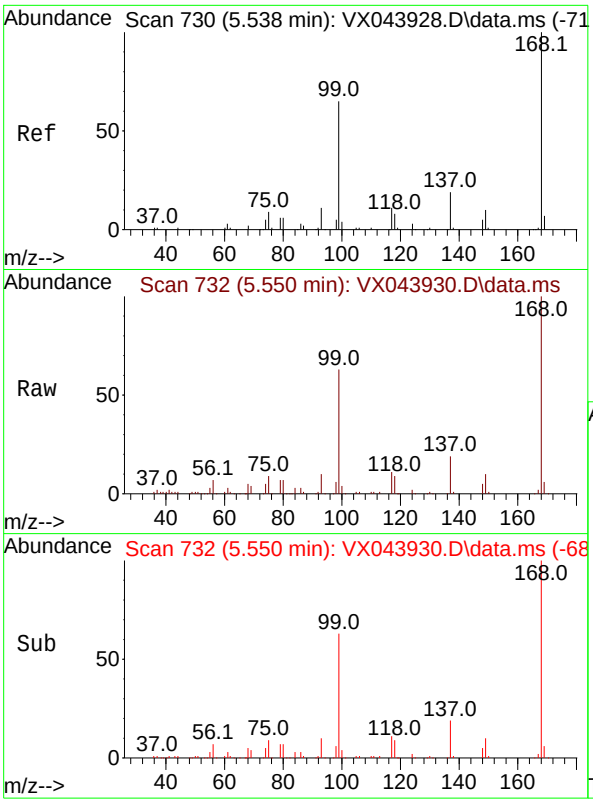
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



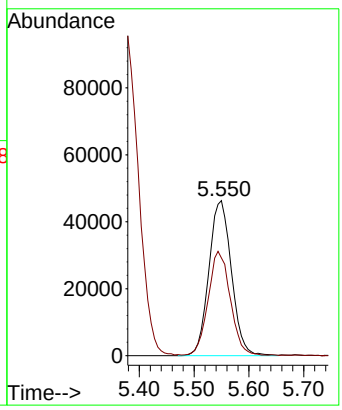


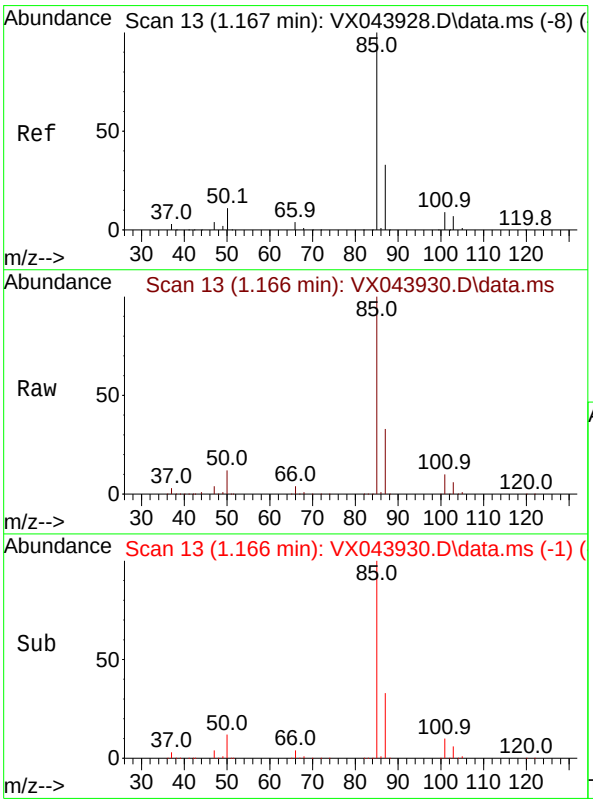
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 132286

Ion	Ratio	Lower	Upper
168	100		
99	62.9	51.8	77.8

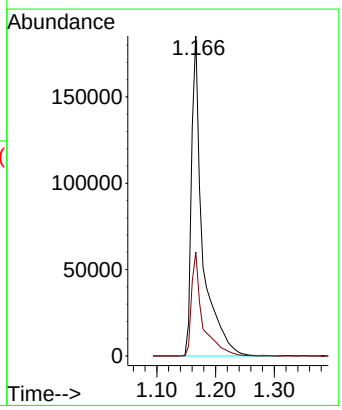


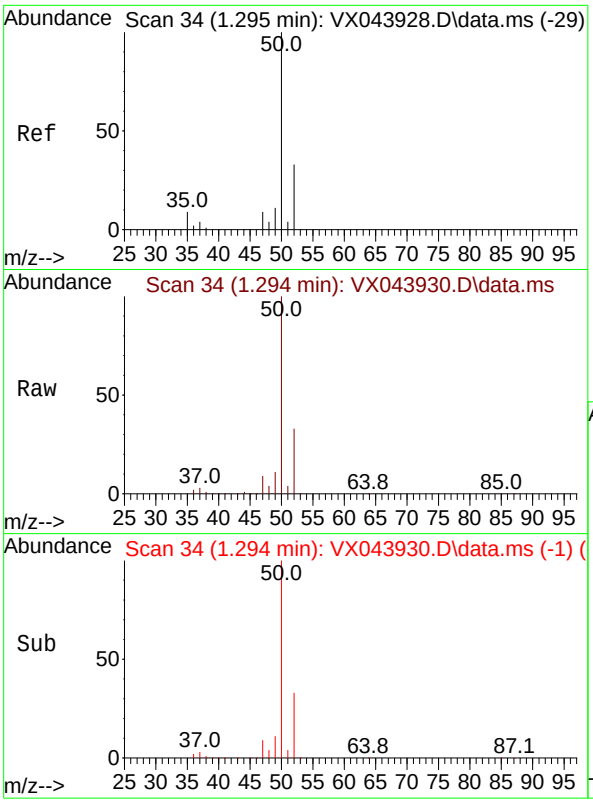


#2
Dichlorodifluoromethane
Concen: 144.040 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8



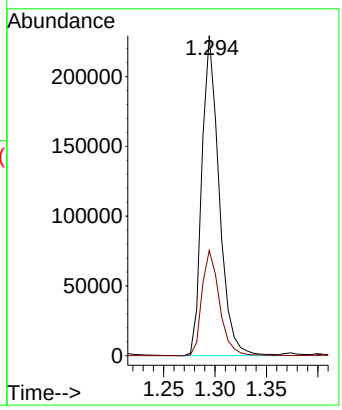


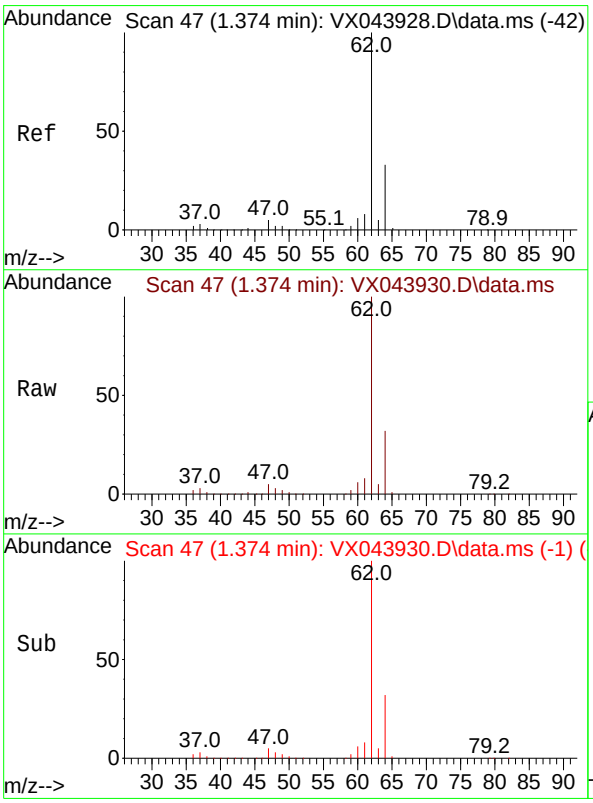
#3
Chloromethane
Concen: 152.406 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 268770

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

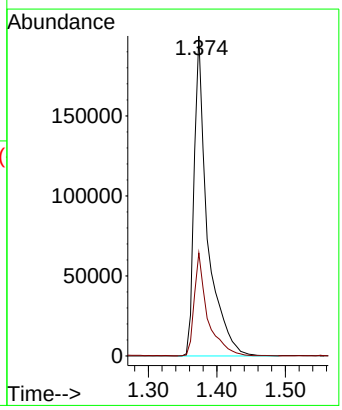


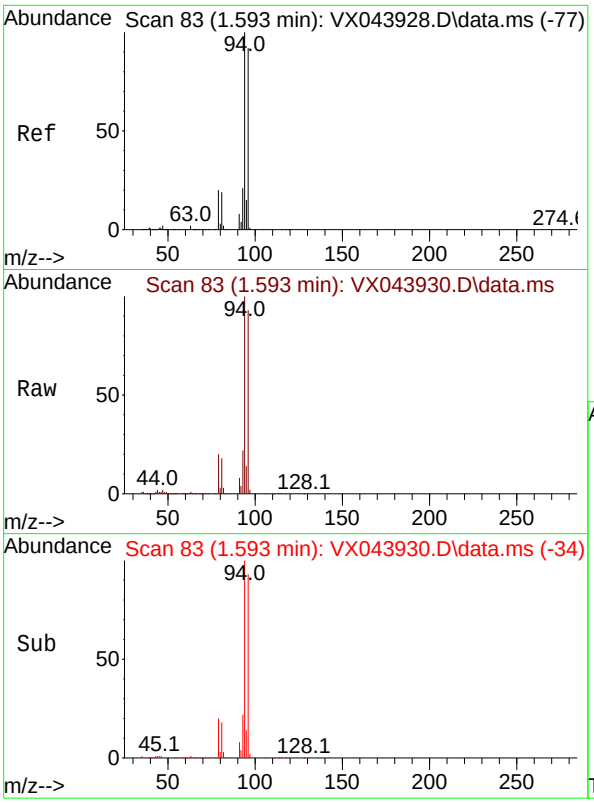


#4
Vinyl Chloride
Concen: 144.779 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



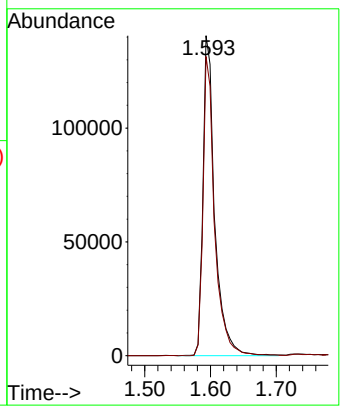


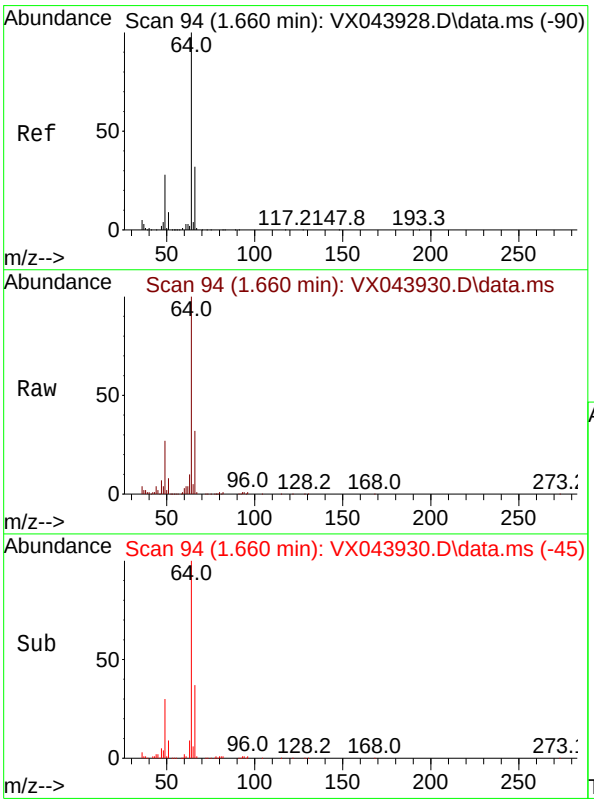
#5
Bromomethane
Concen: 152.160 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 175581

Ion	Ratio	Lower	Upper
94	100		
96	93.5	73.9	110.9

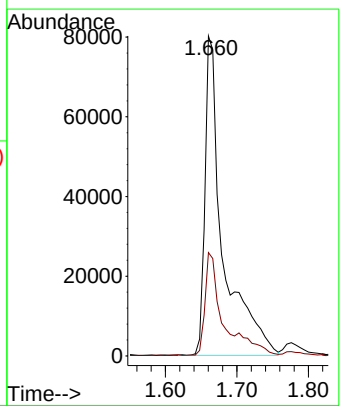


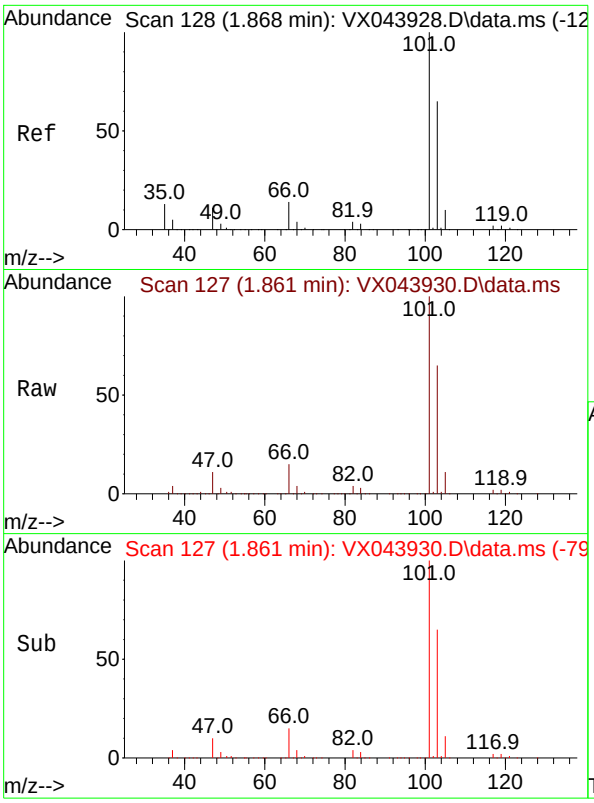


#6
Chloroethane
Concen: 122.817 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9



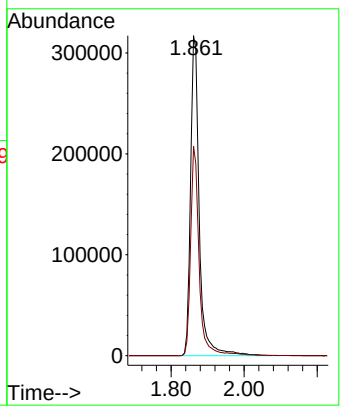


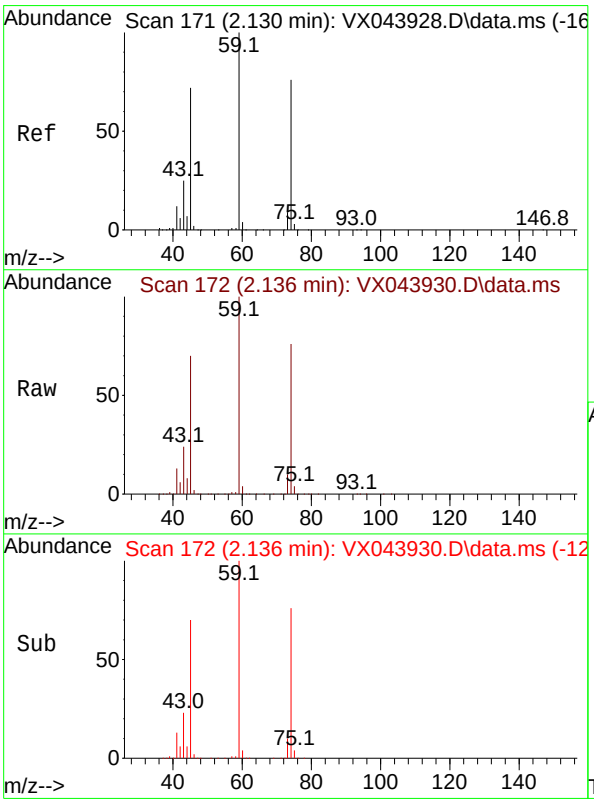
#7
Trichlorofluoromethane
Concen: 157.163 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 527057

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

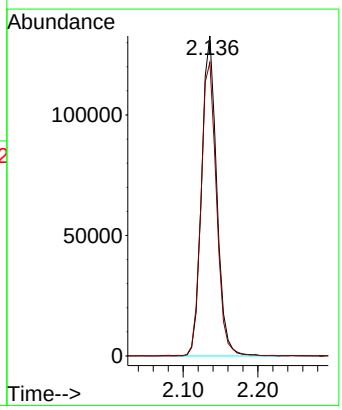


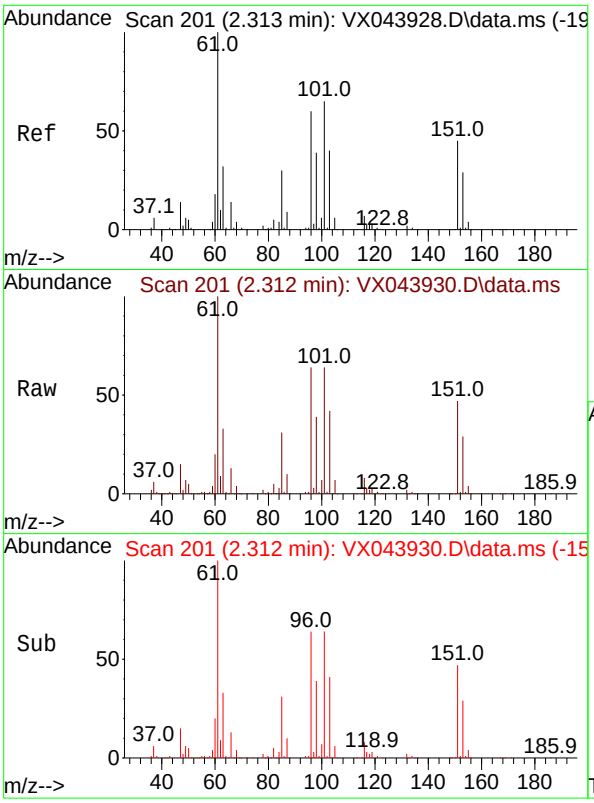


#8
Diethyl Ether
Concen: 151.473 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.6



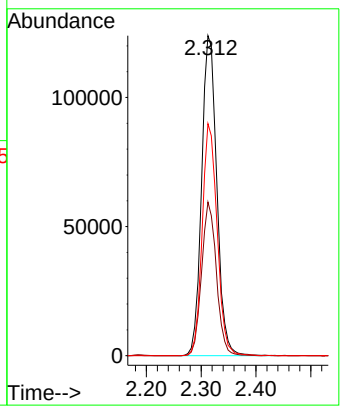


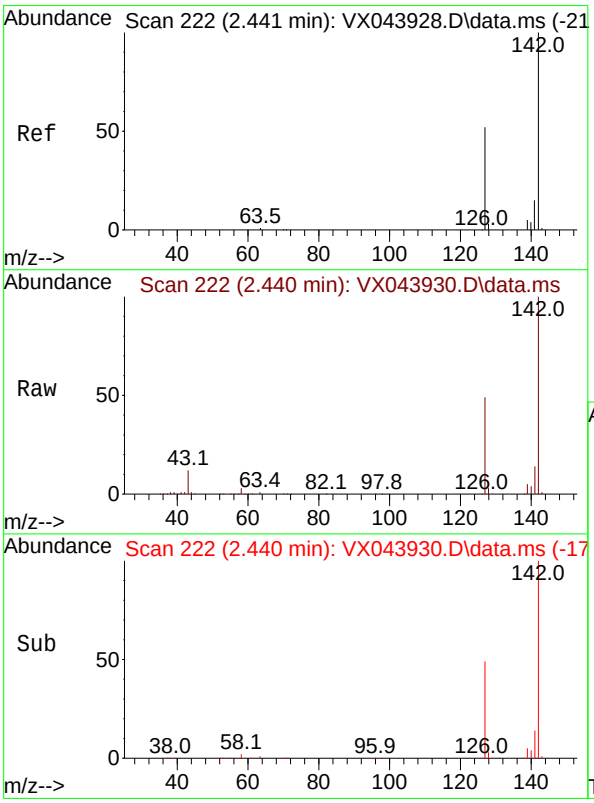
#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.564 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 237653

Ion	Ratio	Lower	Upper
101	100		
85	46.8	37.9	56.9
151	71.3	57.5	86.3

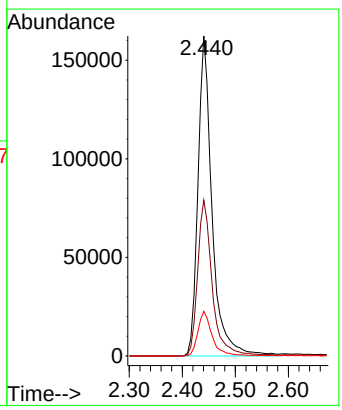


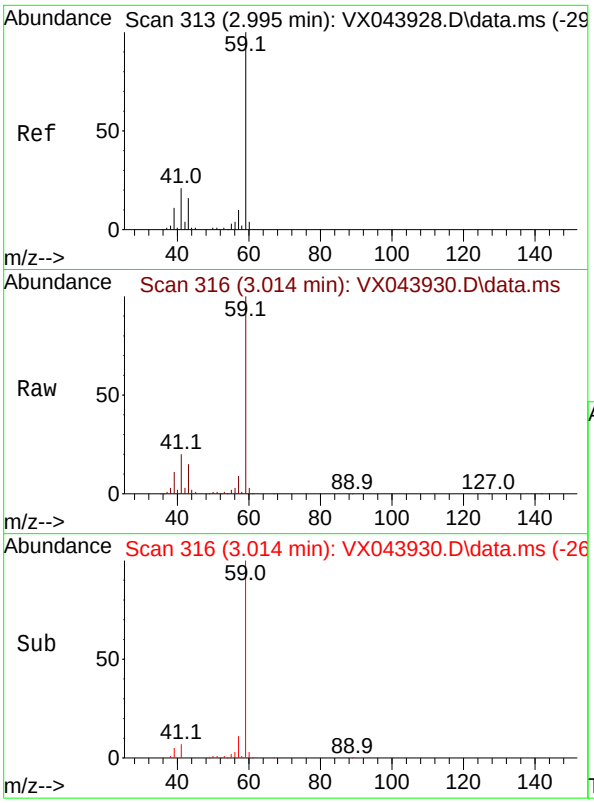


#10
Methyl Iodide
Concen: 150.056 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792

Ion	Ratio	Lower	Upper
142	100		
127	50.1	40.7	61.1
141	14.2	12.0	18.0



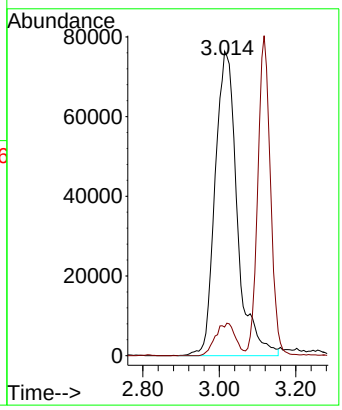


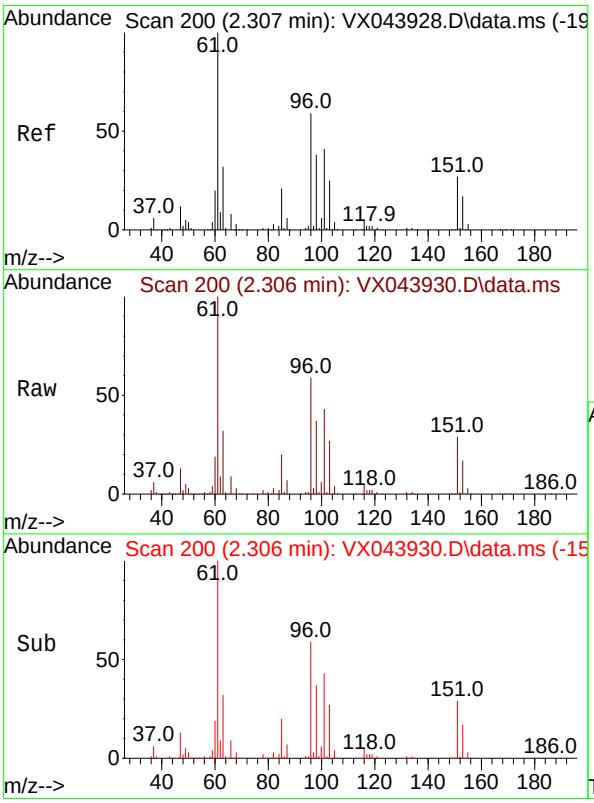
#11
Tert butyl alcohol
Concen: 840.696 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 306168

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

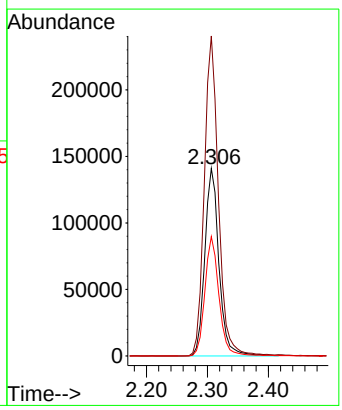


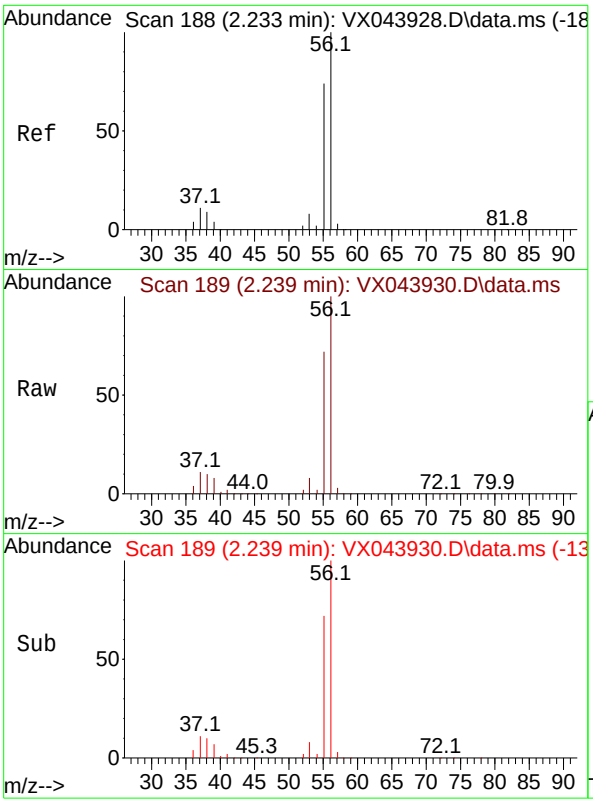


#12
1,1-Dichloroethene
Concen: 149.905 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 228504

Ion	Ratio	Lower	Upper
96	100		
61	170.7	135.5	203.3
98	63.7	50.8	76.2



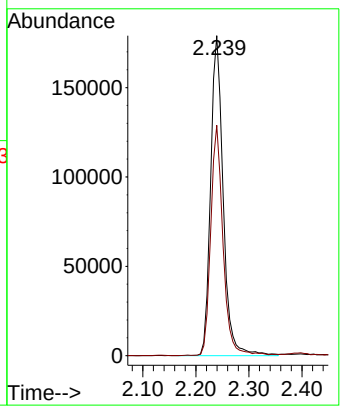


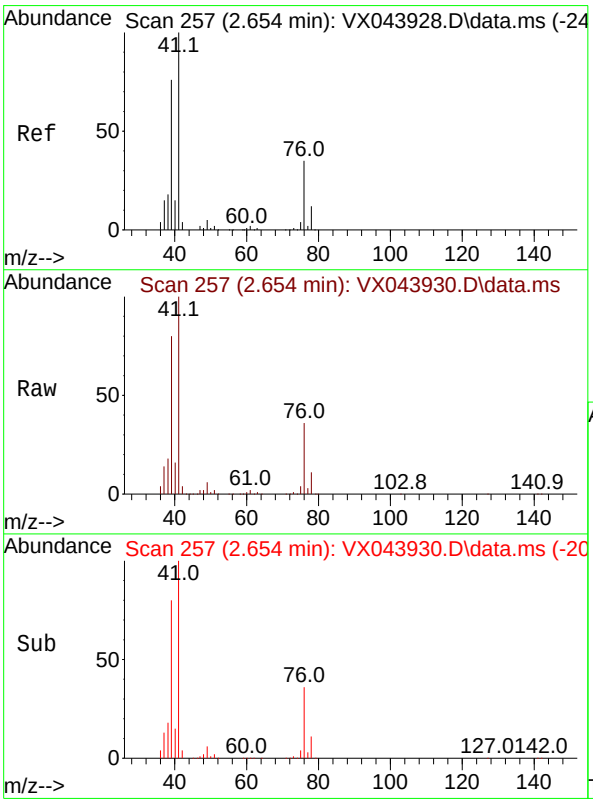
#13
Acrolein
Concen: 767.557 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 294638

Ion	Ratio	Lower	Upper
56	100		
55	70.1	58.2	87.2

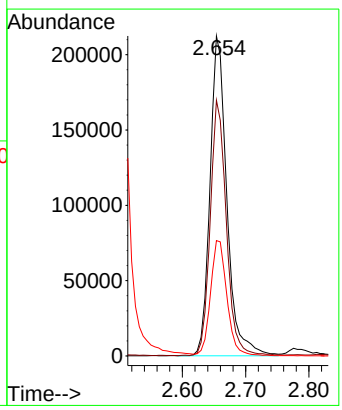


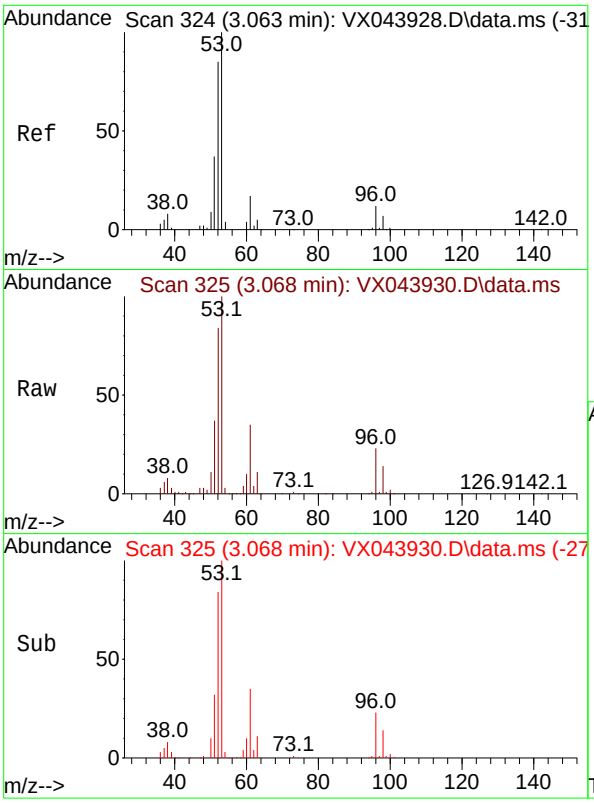


#14
Allyl chloride
Concen: 158.278 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228

Ion	Ratio	Lower	Upper
41	100		
39	76.1	59.5	89.3
76	35.2	27.4	41.2



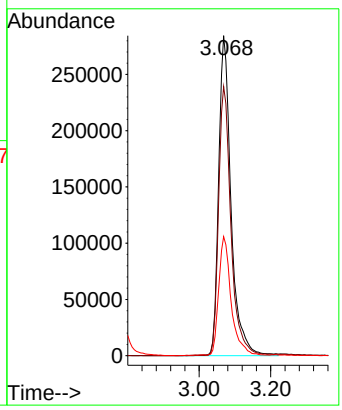


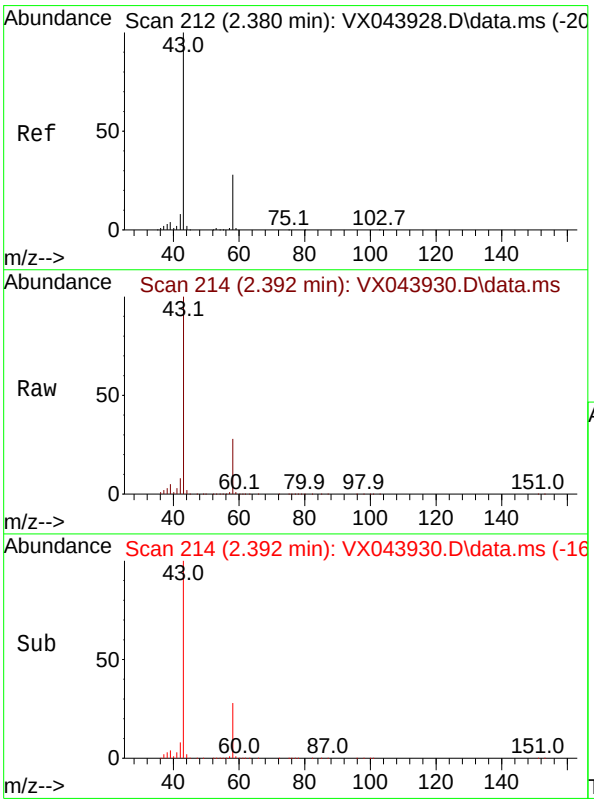
#15
Acrylonitrile
Concen: 770.903 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 684169

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	37.1	30.2	45.4

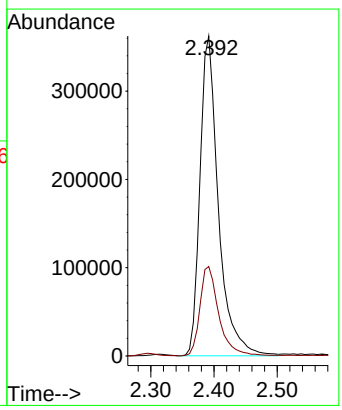


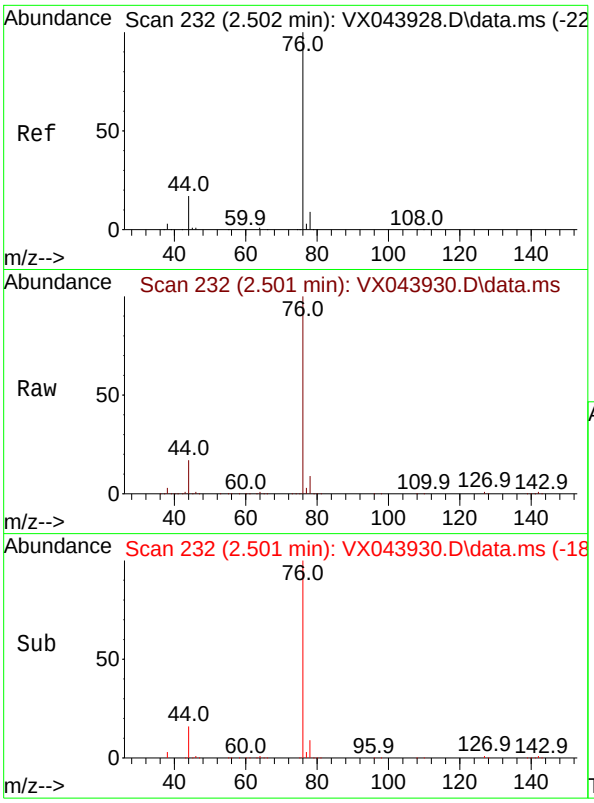


#16
Acetone
Concen: 704.500 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 734161

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.7	34.1



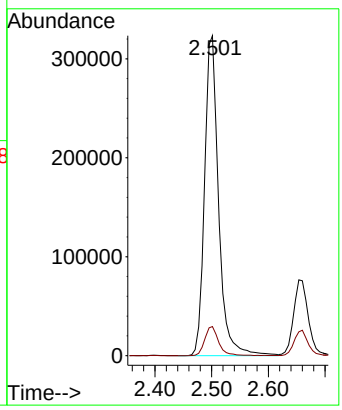


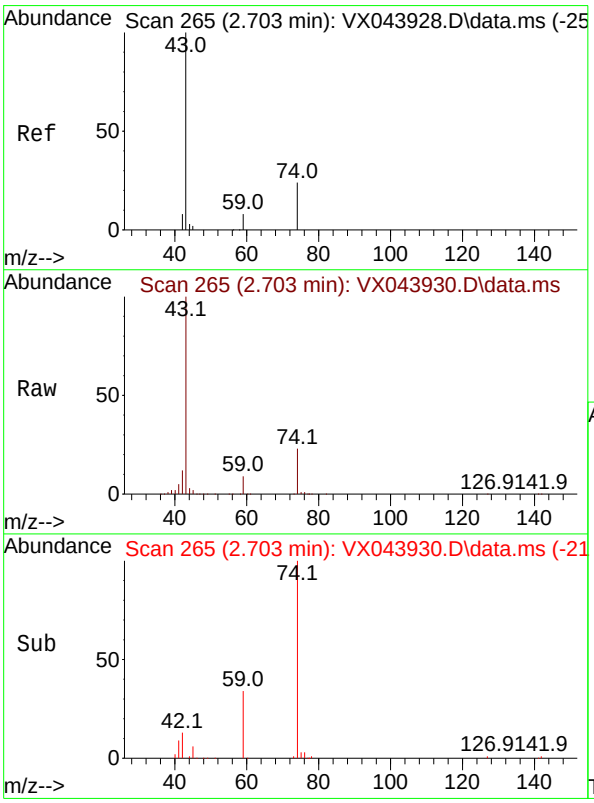
#17
Carbon Disulfide
Concen: 176.465 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 554853

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

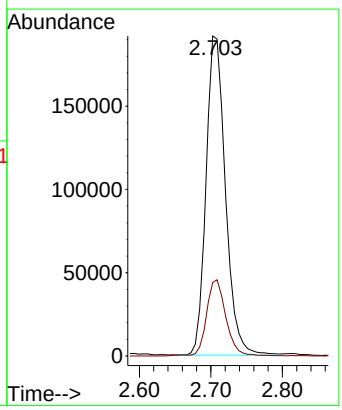


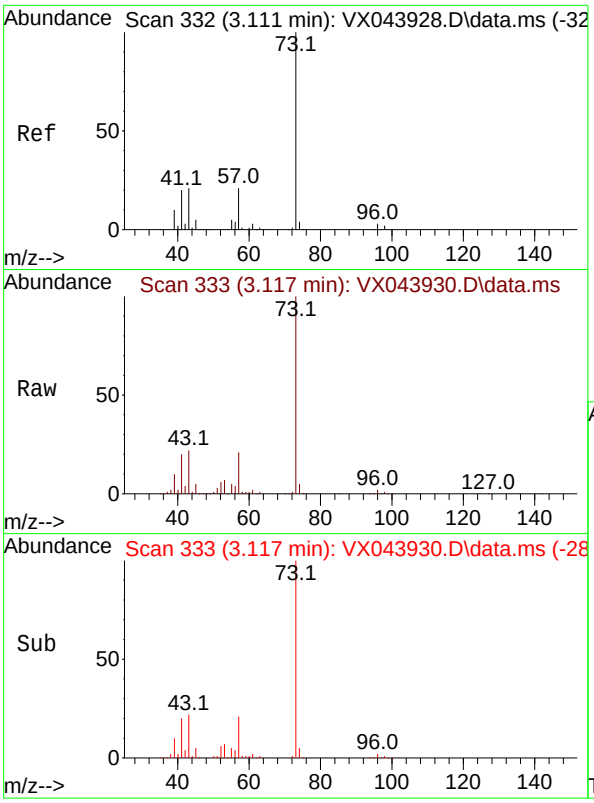


#18
Methyl Acetate
Concen: 148.895 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.9	28.3



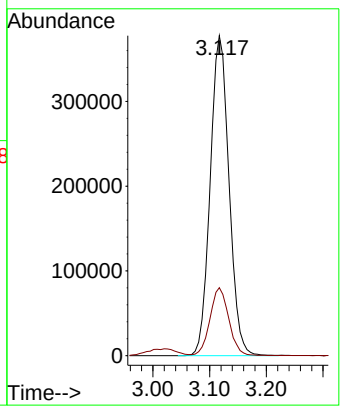


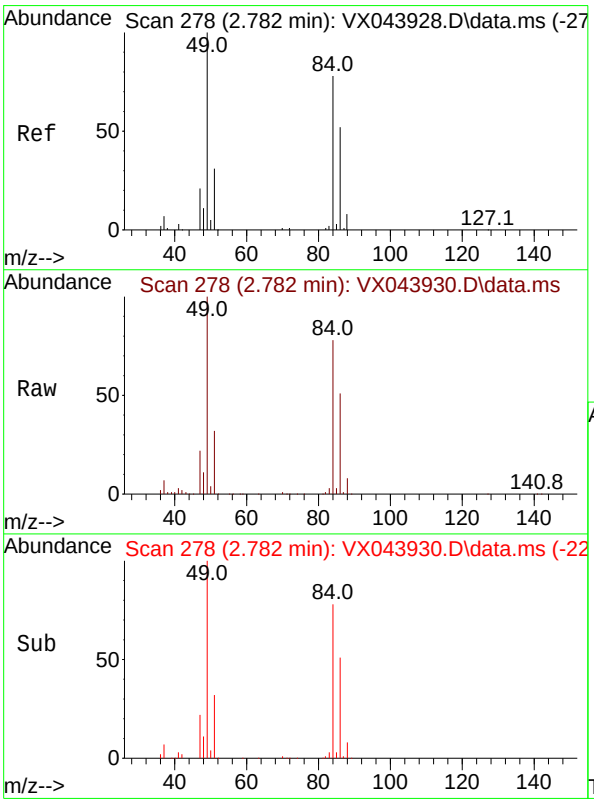
#19
Methyl tert-butyl Ether
Concen: 157.161 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 869848

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.0	25.6

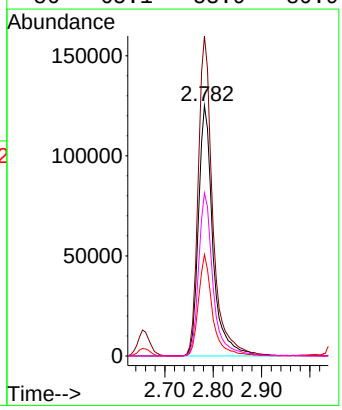


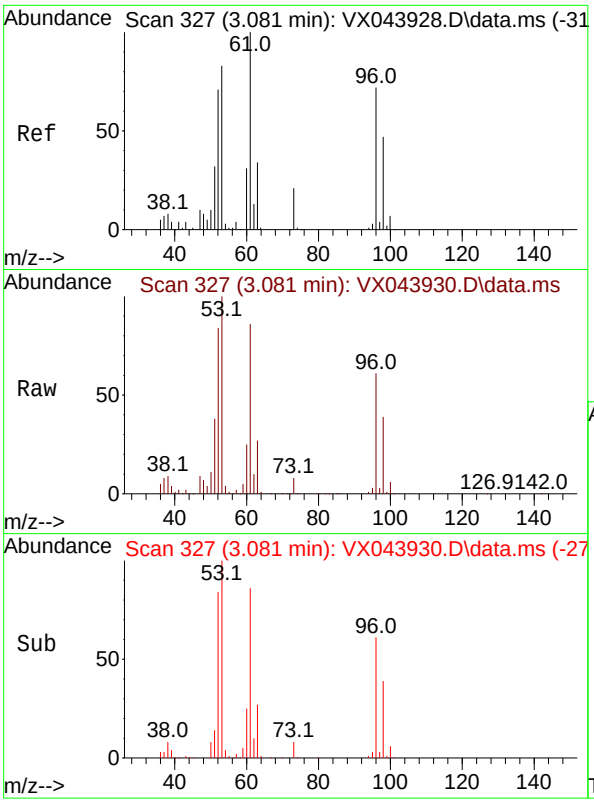


#20
Methylene Chloride
Concen: 147.078 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

Ion	Ratio	Lower	Upper
84	100		
49	127.7	102.7	154.1
51	40.5	31.7	47.5
86	65.1	53.9	80.9



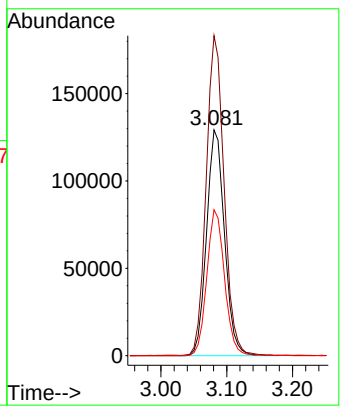


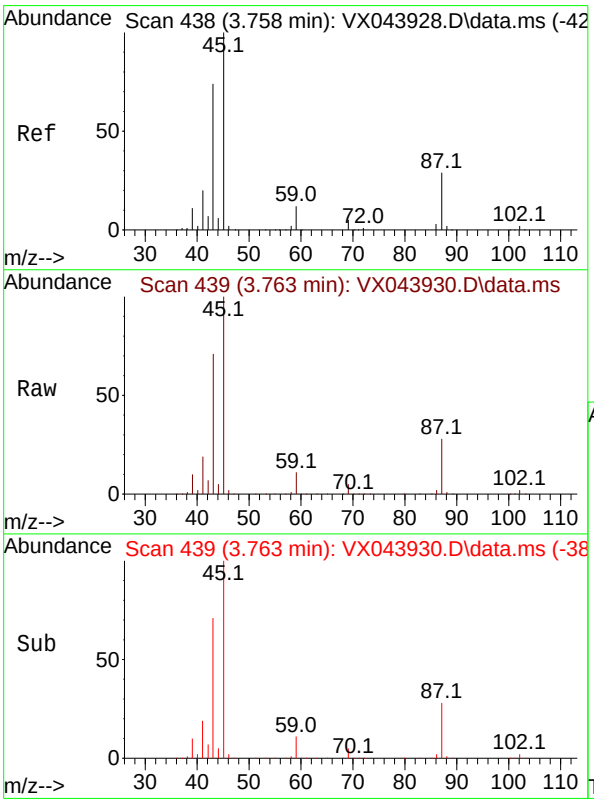
#21
trans-1,2-Dichloroethene
Concen: 155.985 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 245485

Ion	Ratio	Lower	Upper
96	100		
61	141.6	111.8	167.6
98	64.6	52.7	79.1

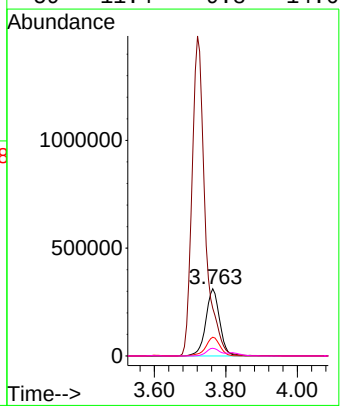


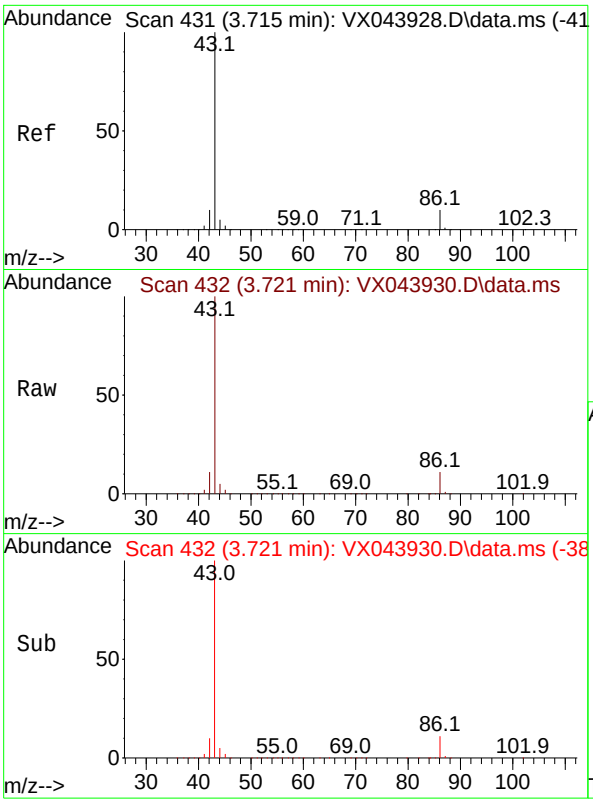


#22
Diisopropyl ether
Concen: 156.960 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

Ion	Ratio	Lower	Upper
45	100		
43	70.8	59.6	89.4
87	27.8	22.9	34.3
59	11.4	9.8	14.6



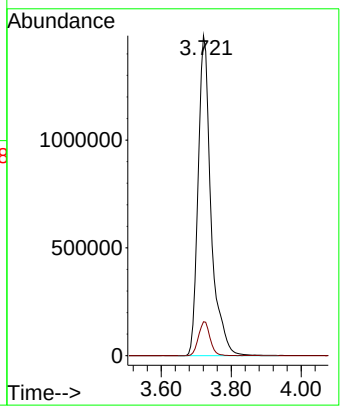


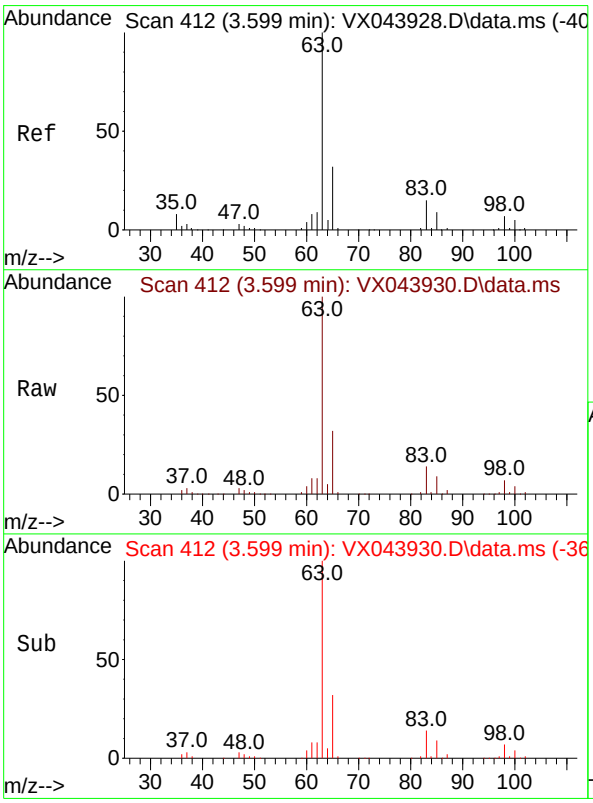
#23
Vinyl Acetate
Concen: 833.608 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3797951

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5

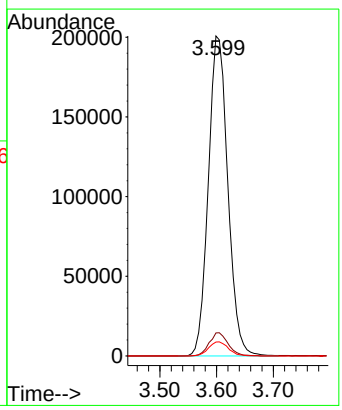


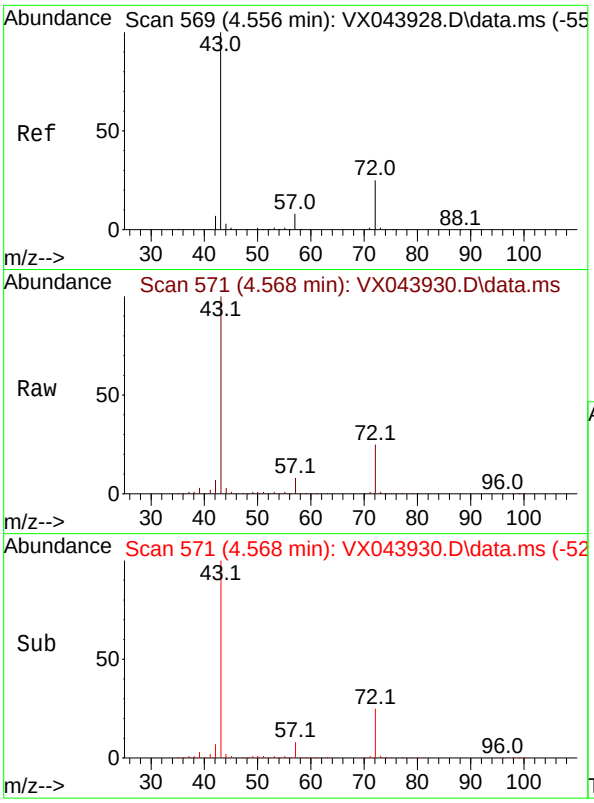


#24
1,1-Dichloroethane
Concen: 156.091 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	4.3	2.4	7.1



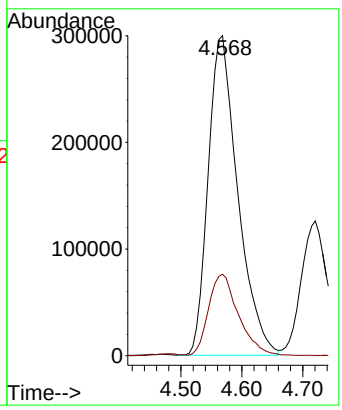


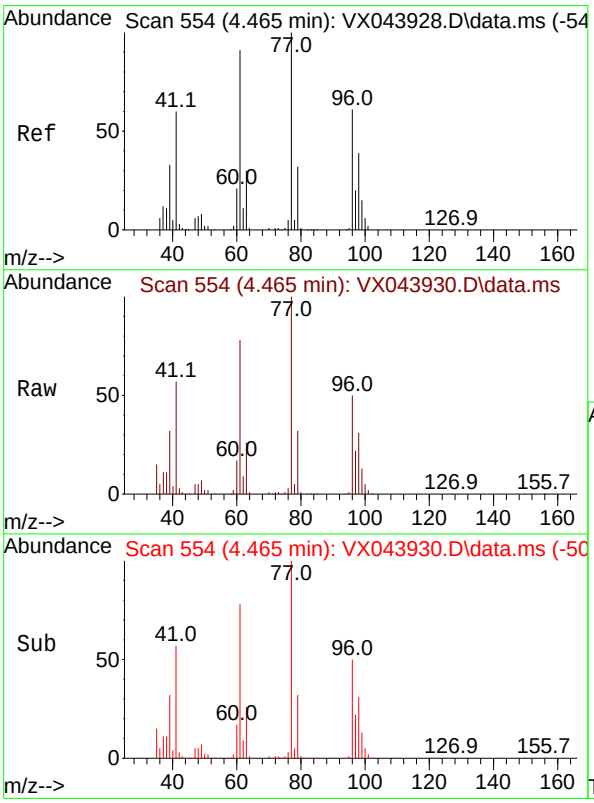
#25
2-Butanone
Concen: 753.134 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1012692

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.2	30.2

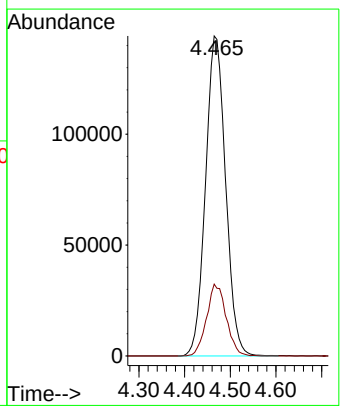


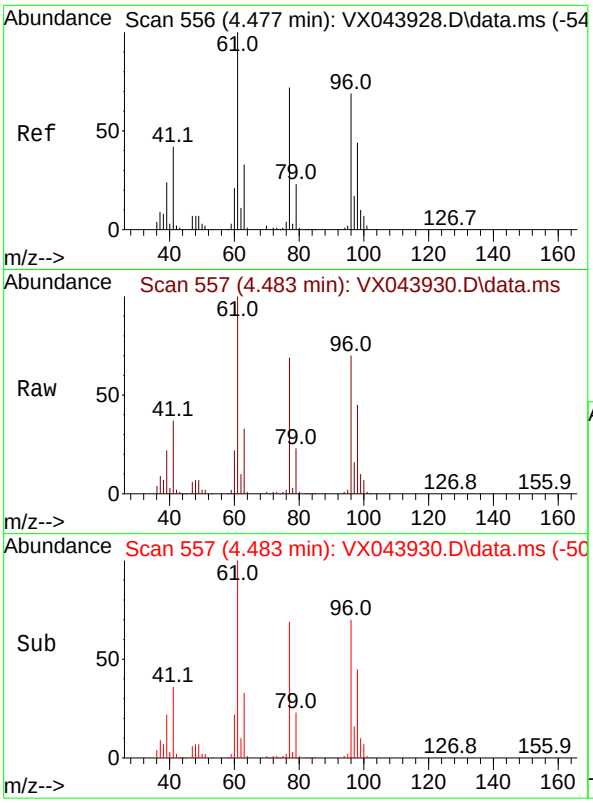


#26
2,2-Dichloropropane
Concen: 158.591 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



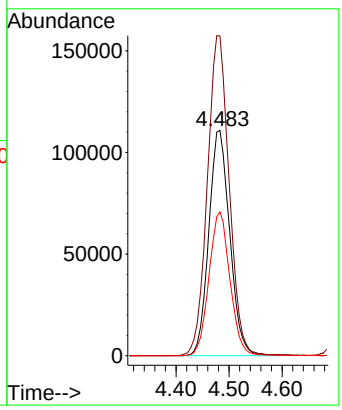


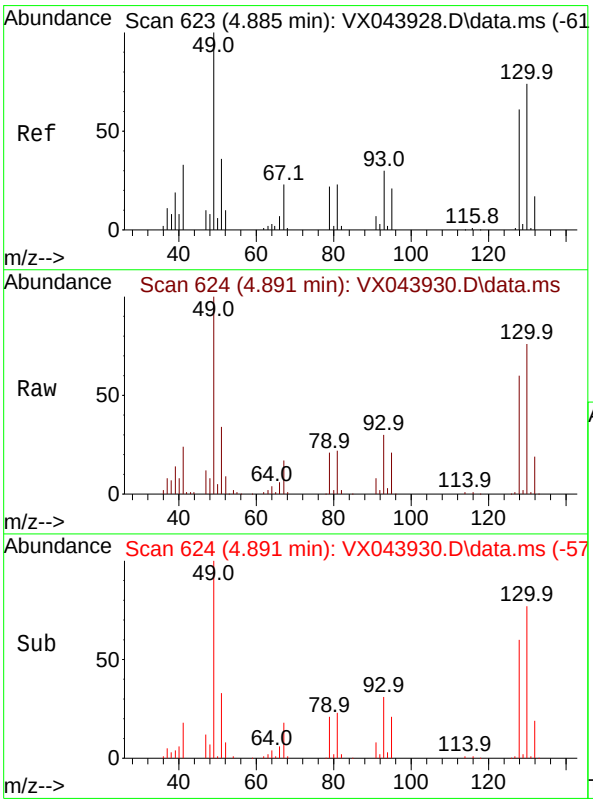
#27
cis-1,2-Dichloroethene
Concen: 156.447 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 304342

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	297.4
98	63.8	0.0	127.8

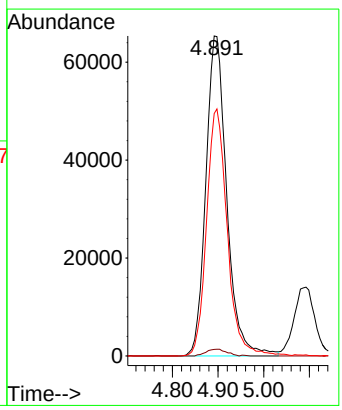


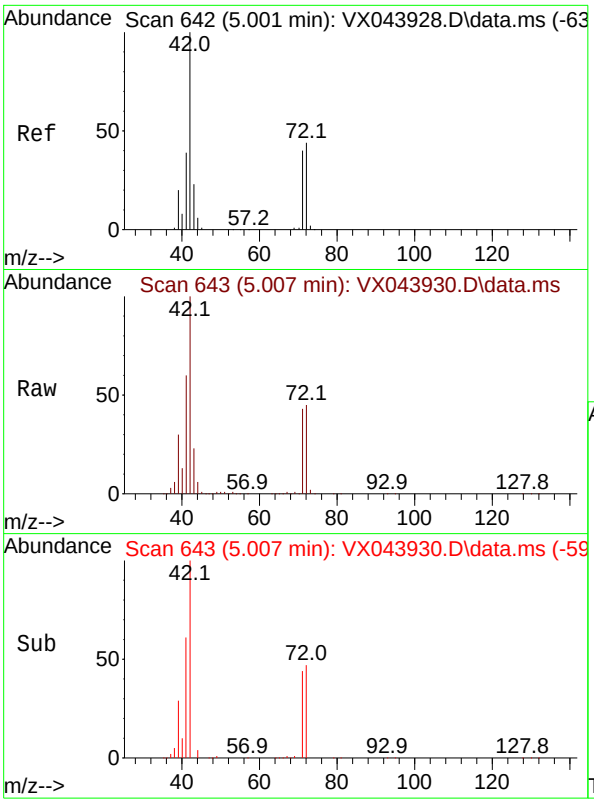


#28
Bromochloromethane
Concen: 153.614 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	76.4	59.0	88.6



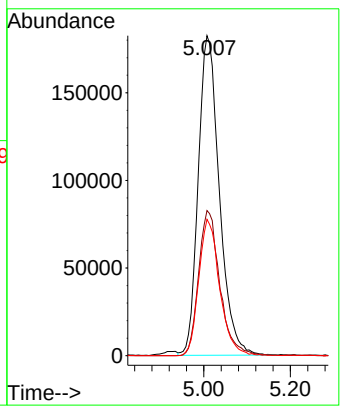


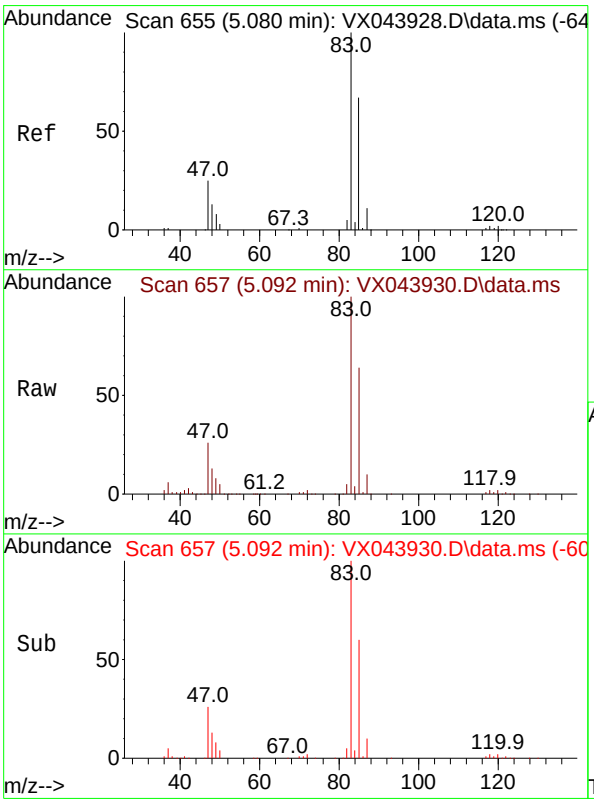
#29
Tetrahydrofuran
Concen: 748.806 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 617277

Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	42.3	33.4	50.0

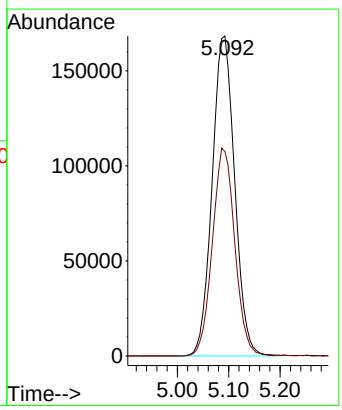


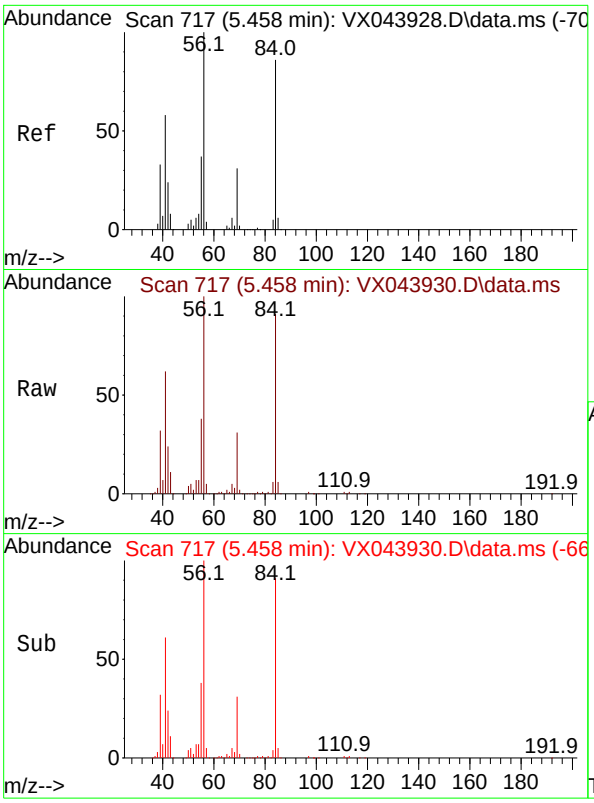


#30
Chloroform
Concen: 155.325 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.5	80.3



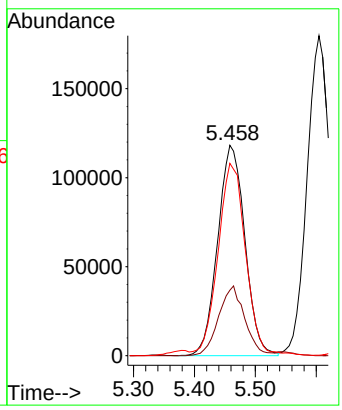


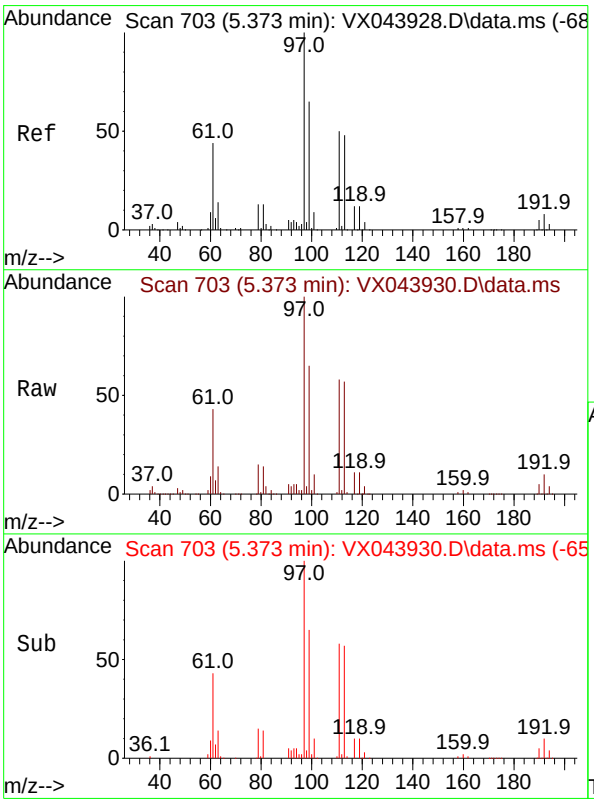
#31
Cyclohexane
Concen: 145.191 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 367157

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.7	37.1
84	89.9	68.7	103.1

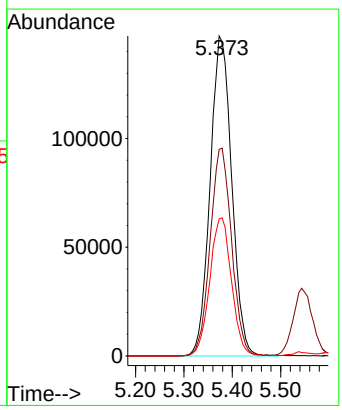


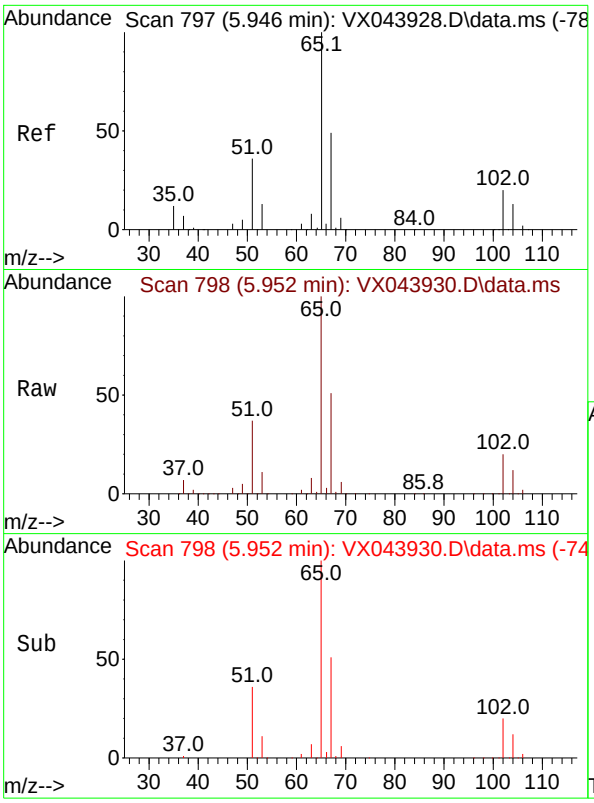


#32
1,1,1-Trichloroethane
Concen: 159.987 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922

Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	43.5	35.4	53.2



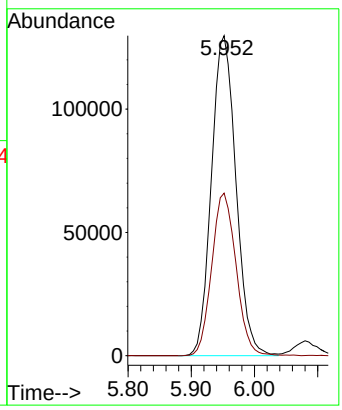


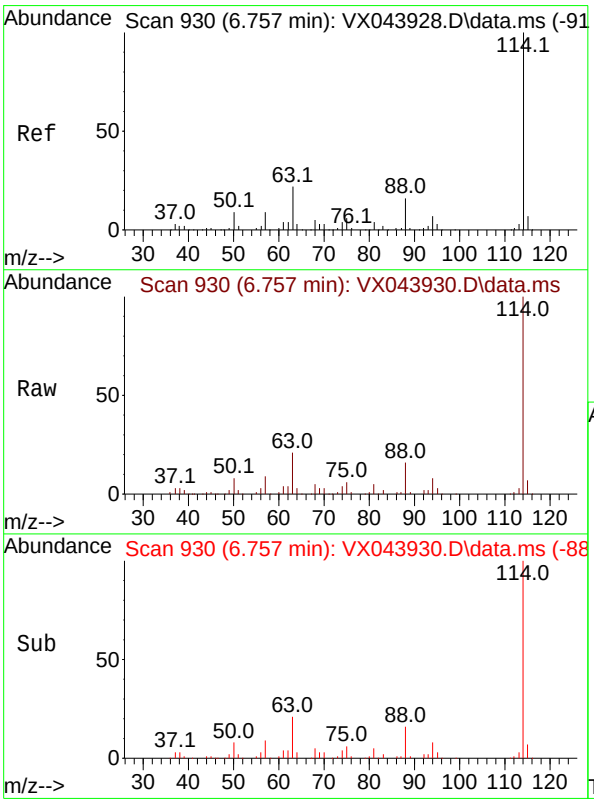
#33
1,2-Dichloroethane-d4
Concen: 153.852 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 349080

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8

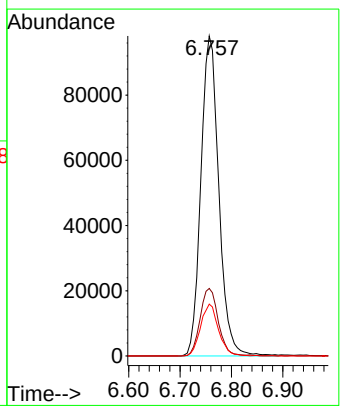


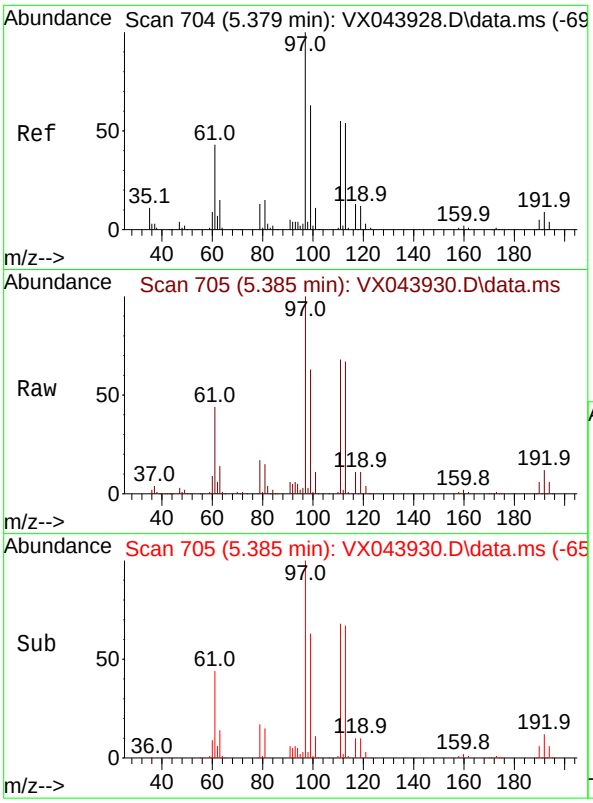


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.2	0.0	32.4



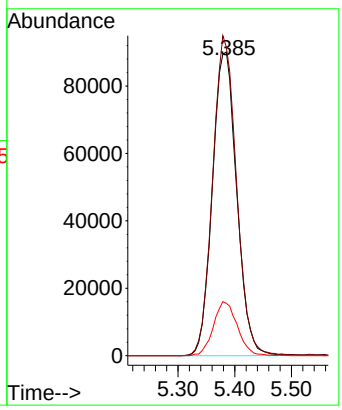


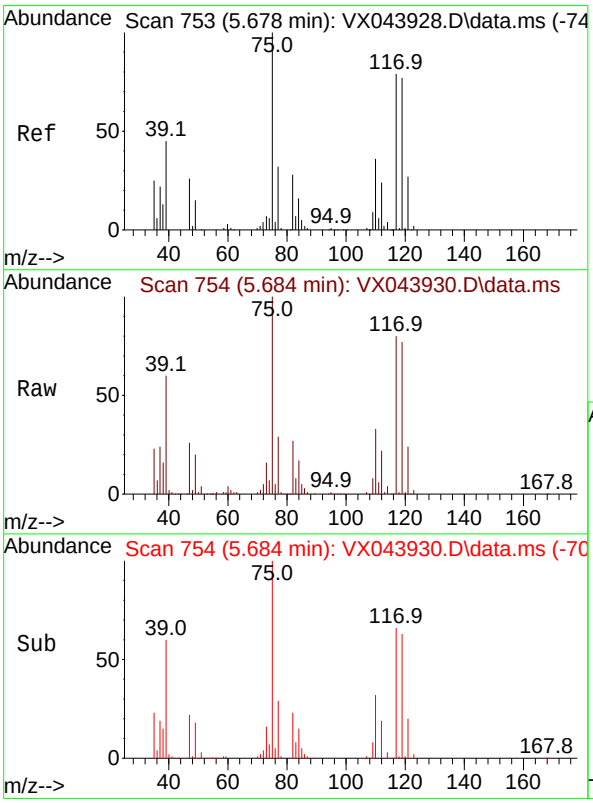
#35
Dibromofluoromethane
Concen: 157.906 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 268135

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	17.6	13.0	19.6

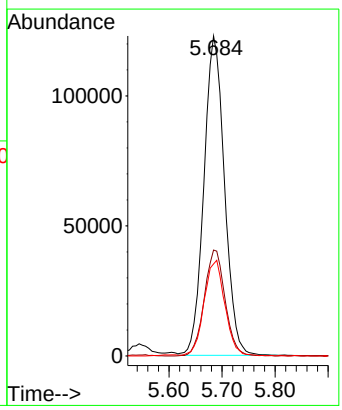


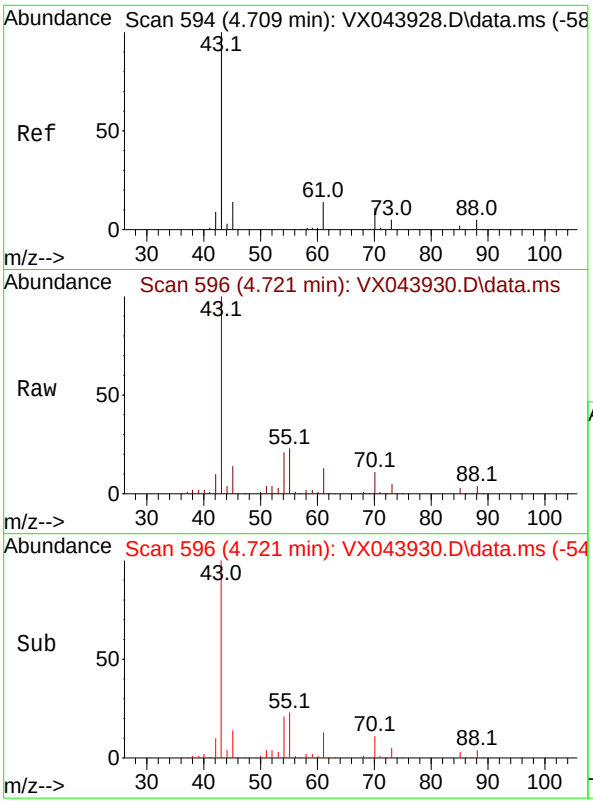


#36
1,1-Dichloropropene
Concen: 156.540 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.4	52.2
77	30.3	25.8	38.8



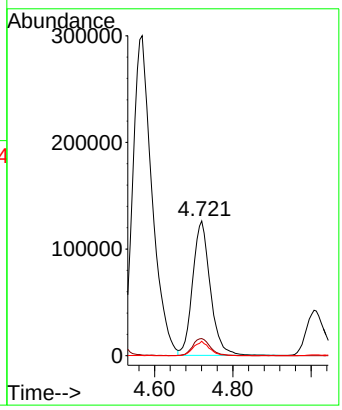


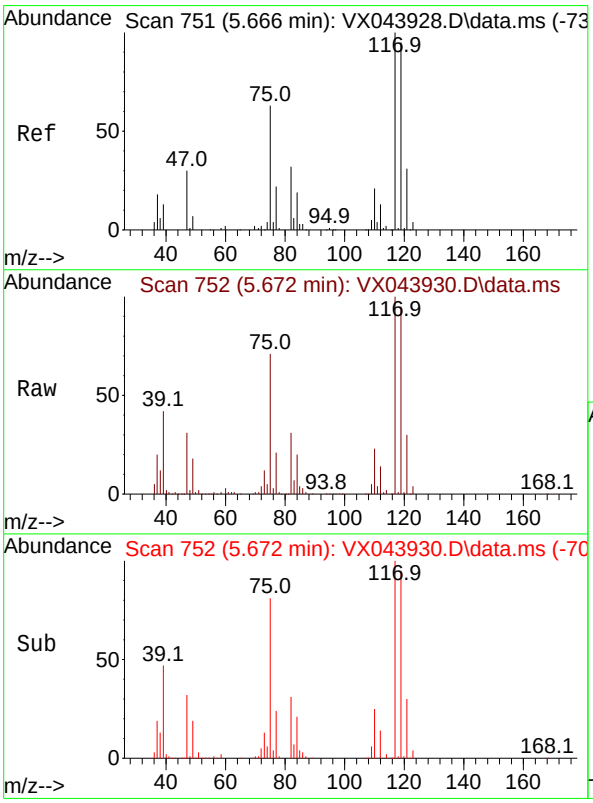
#37
Ethyl Acetate
Concen: 149.876 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 393670

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.9	8.0	12.0

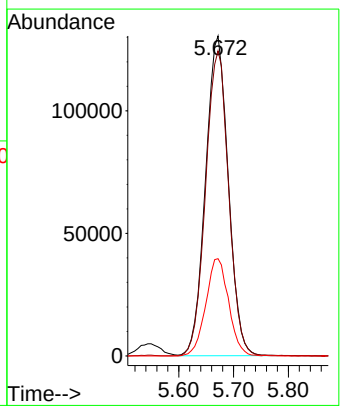


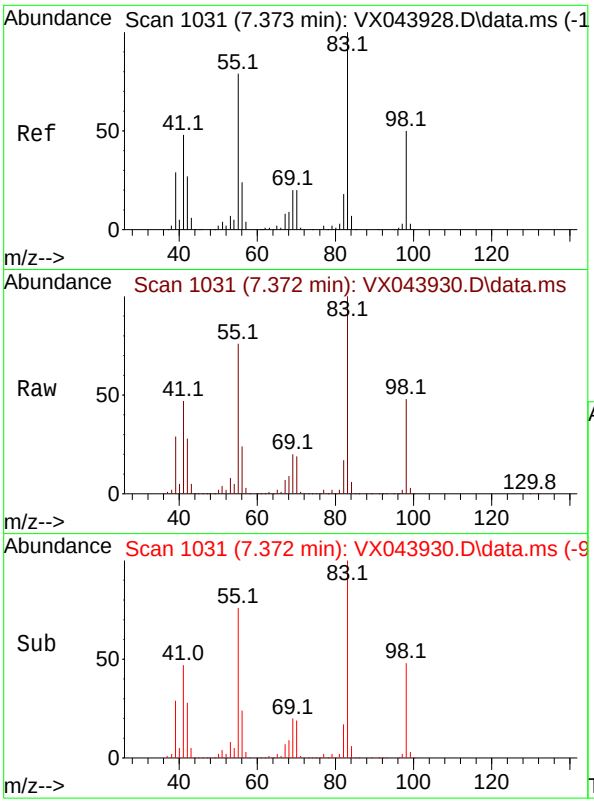


#38
Carbon Tetrachloride
Concen: 158.262 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 376287

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.2	112.8
121	30.4	24.5	36.7



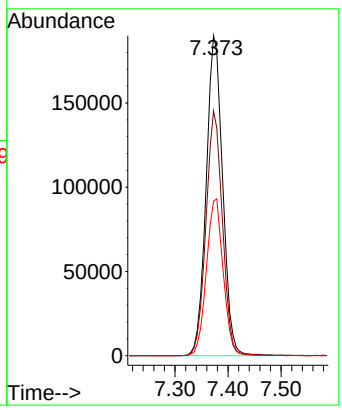


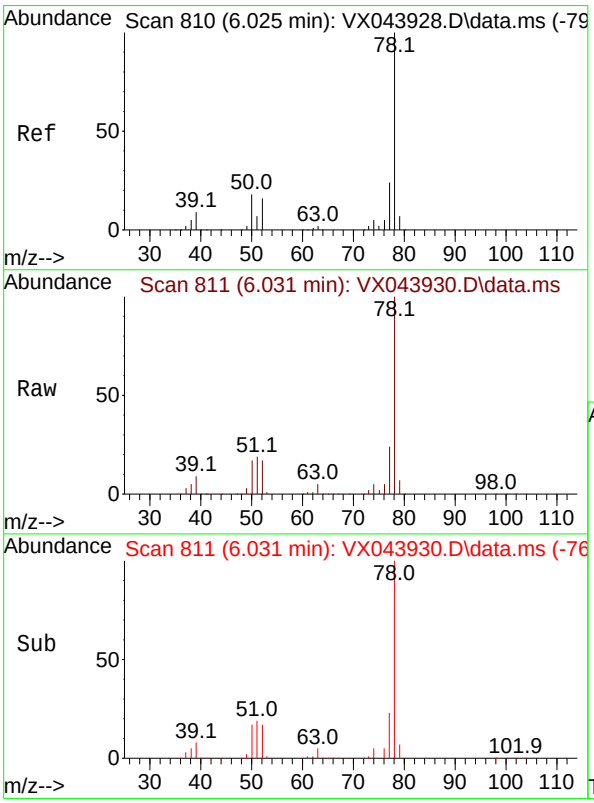
#39
Methylcyclohexane
Concen: 149.269 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 410333

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.1	94.7
98	48.3	40.0	60.0

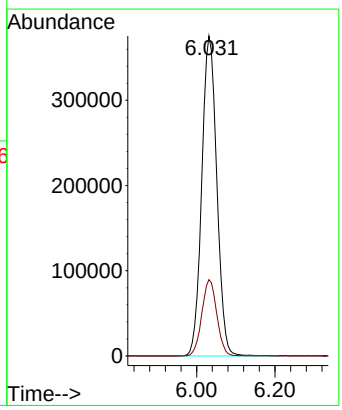


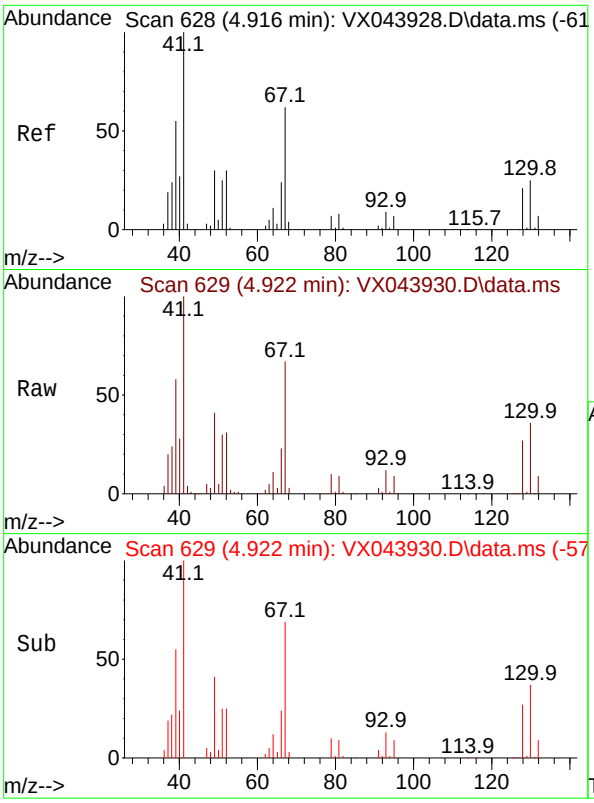


#40
Benzene
Concen: 151.598 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8



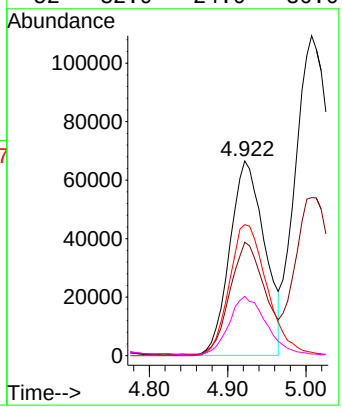


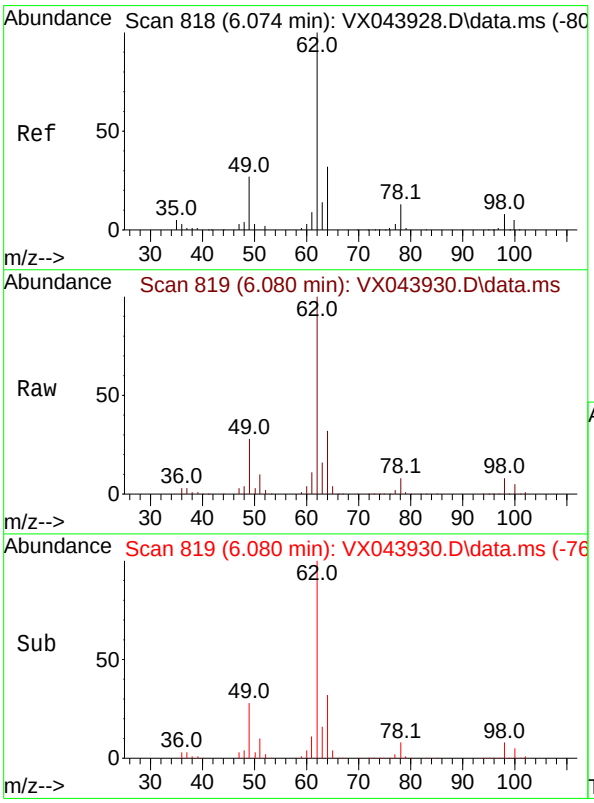
#41
Methacrylonitrile
Concen: 153.252 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 206026

Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.7	62.5
67	73.5	55.8	83.8
52	32.9	24.0	36.0

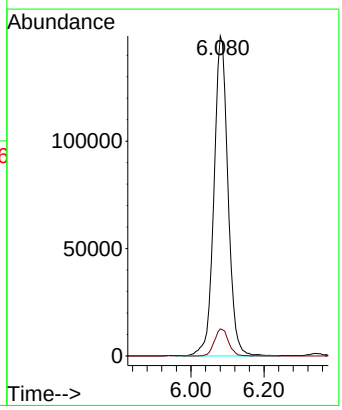


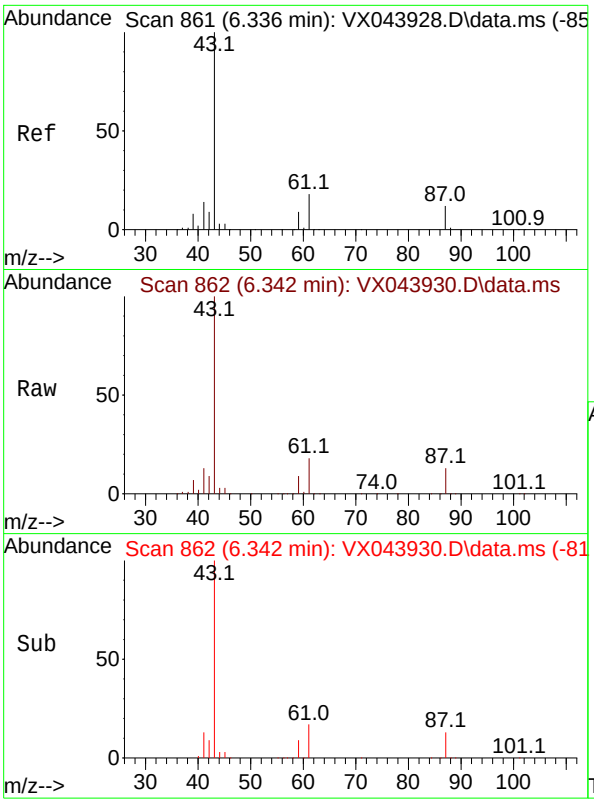


#42
1,2-Dichloroethane
Concen: 150.163 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4



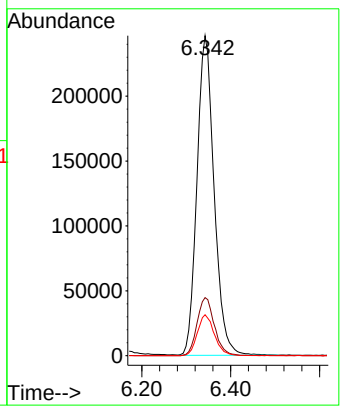


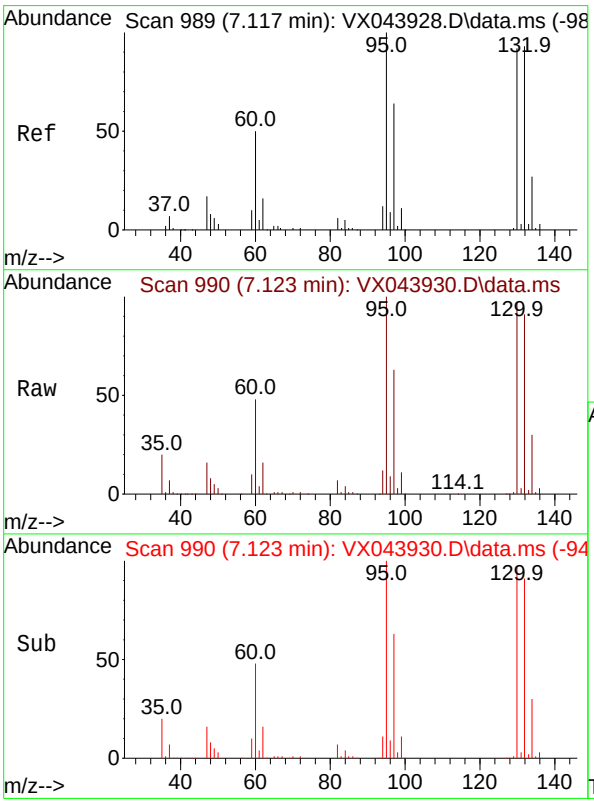
#43
Isopropyl Acetate
Concen: 158.329 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 661839

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	12.7	10.2	15.2

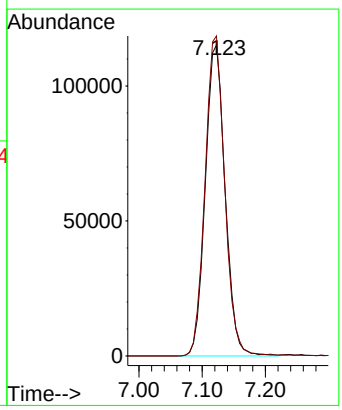


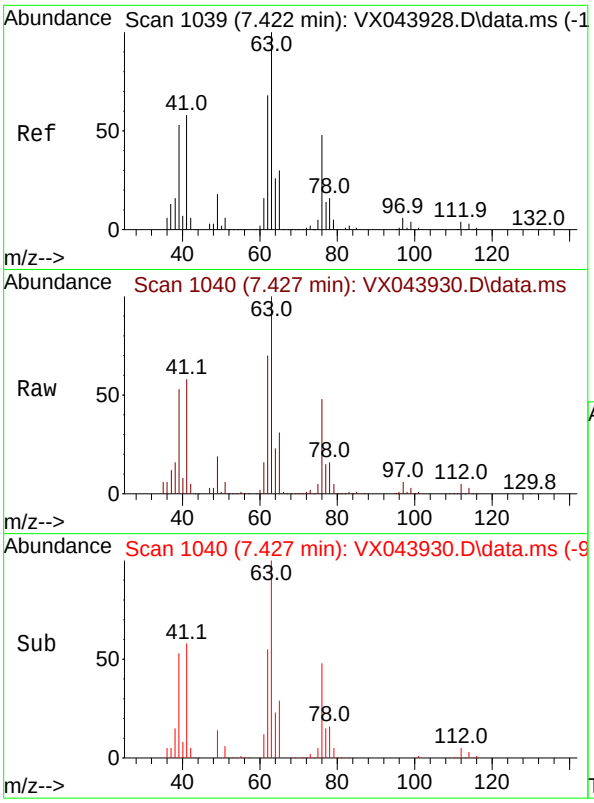


#44
Trichloroethene
Concen: 134.559 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	217.8



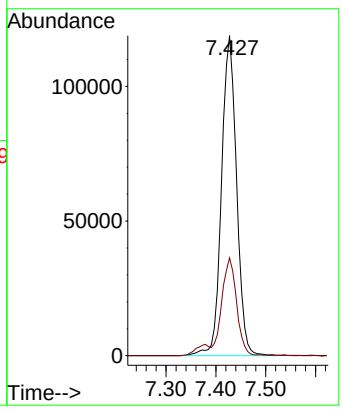


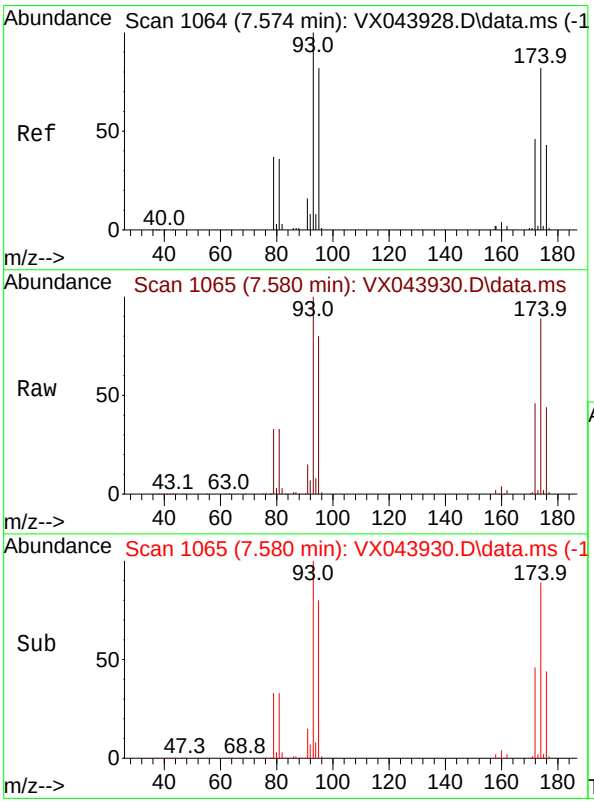
#45
1,2-Dichloropropane
Concen: 154.486 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 249394

Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.8	35.6

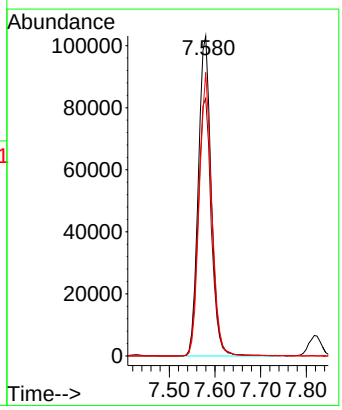


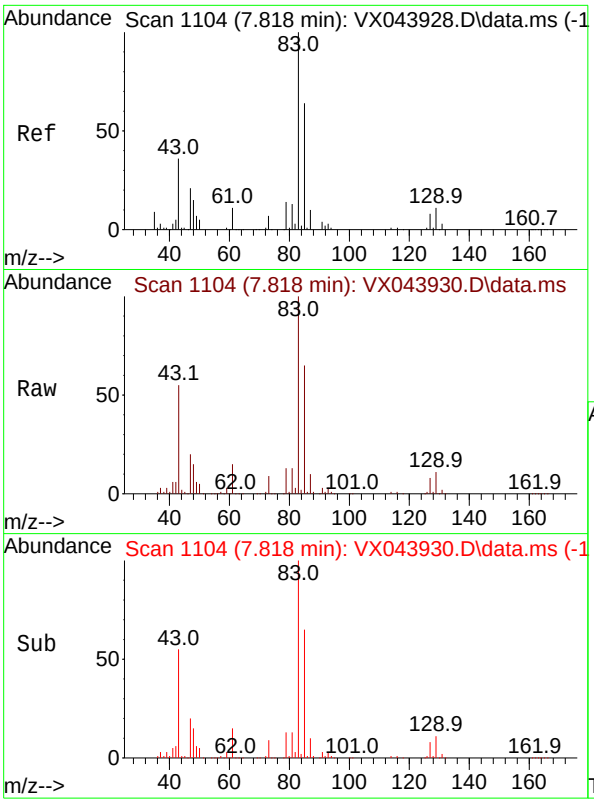


#46
Dibromomethane
Concen: 158.440 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.4
174	86.4	69.6	104.4



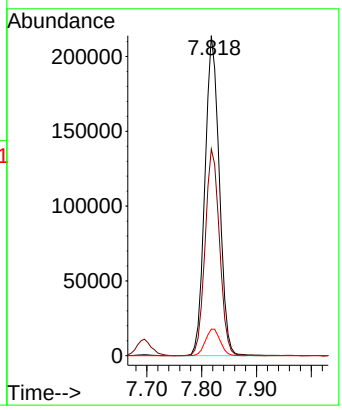


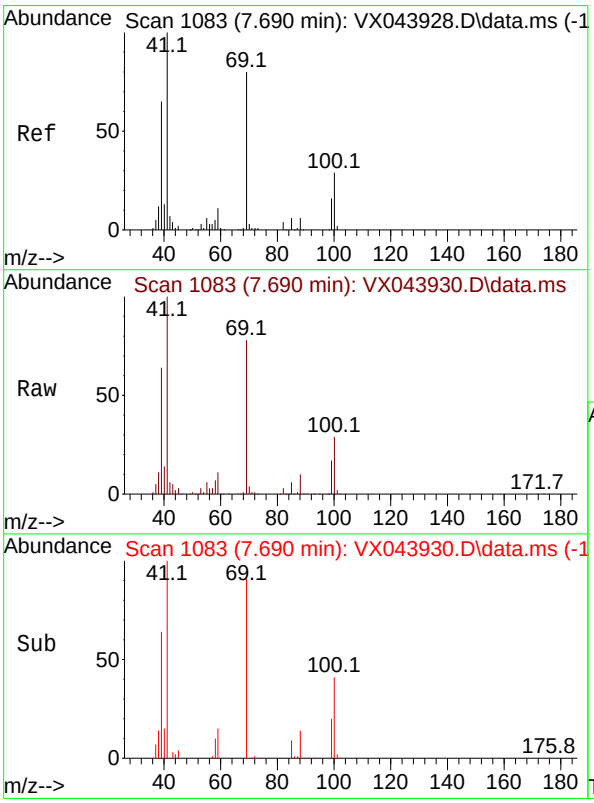
#47
Bromodichloromethane
Concen: 169.524 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 388259

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	8.3	6.6	10.0

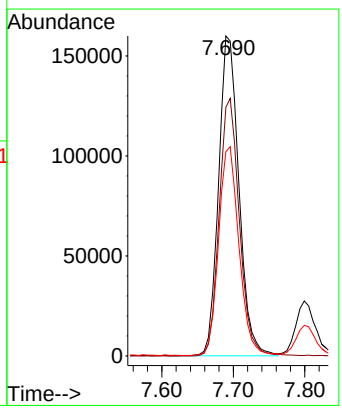


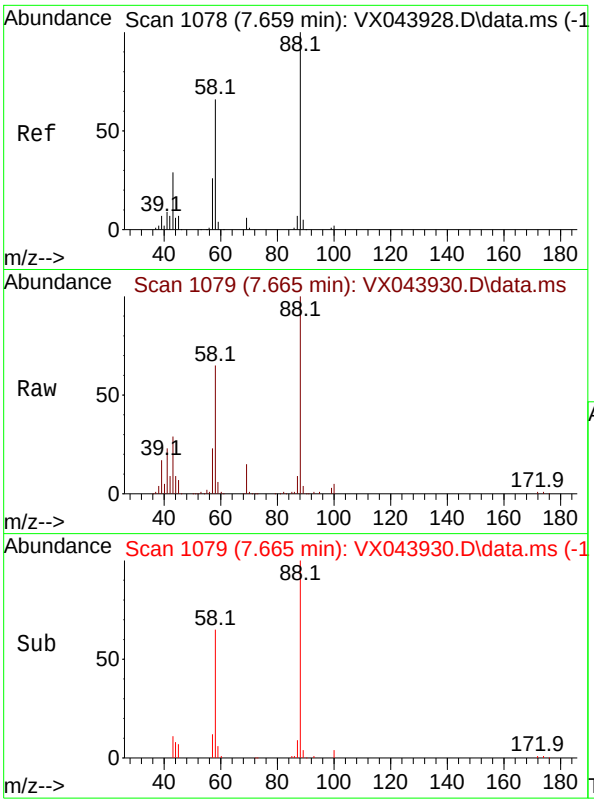


#48
Methyl methacrylate
Concen: 157.479 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872

Ion	Ratio	Lower	Upper
41	100		
69	80.1	64.6	97.0
39	65.4	53.3	79.9



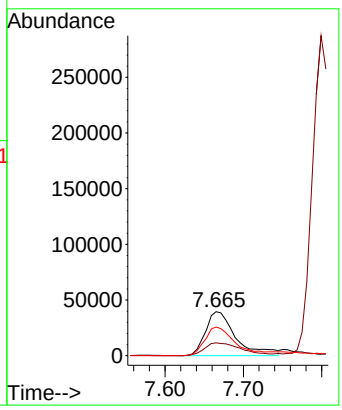


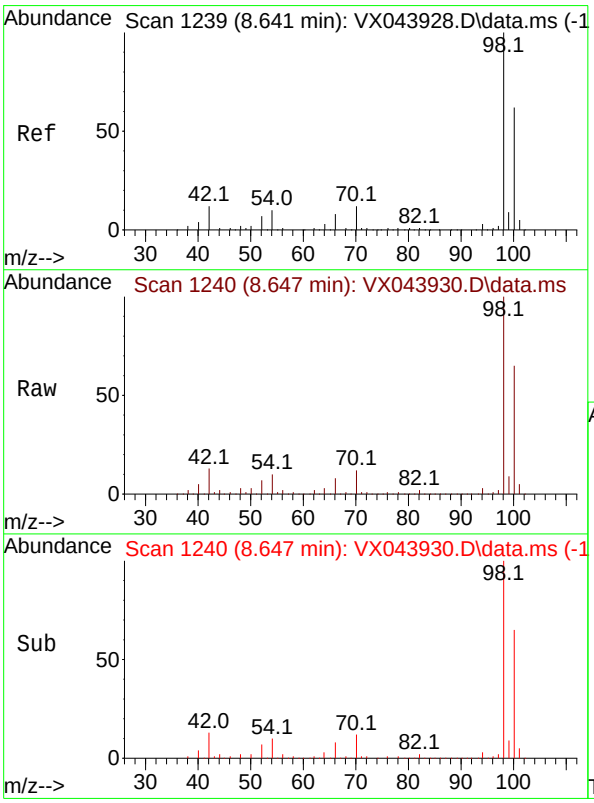
#49
1,4-Dioxane
Concen: 3083.461 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 106634

Ion	Ratio	Lower	Upper
88	100		
43	35.6	26.8	40.2
58	66.2	45.4	68.2

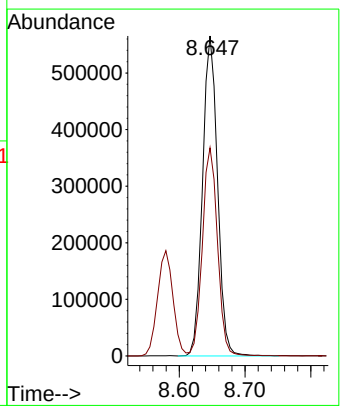


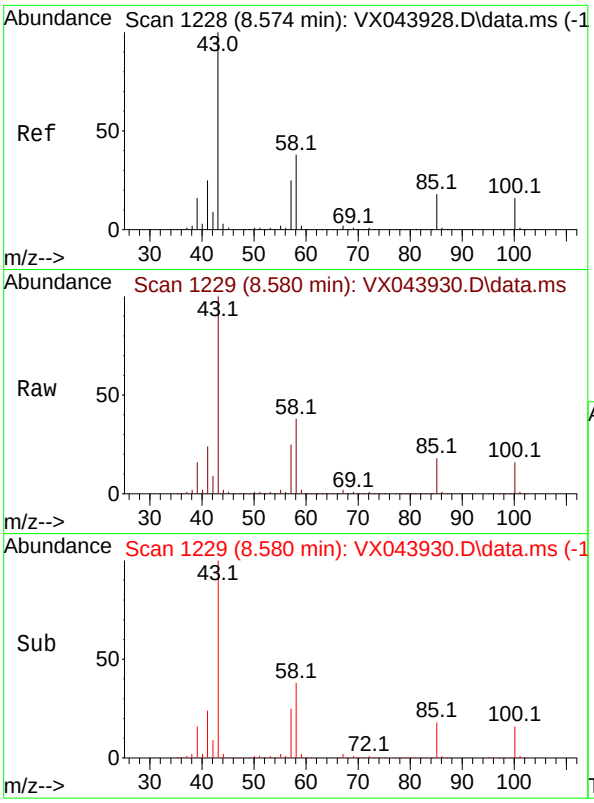


#50
Toluene-d8
Concen: 153.143 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0



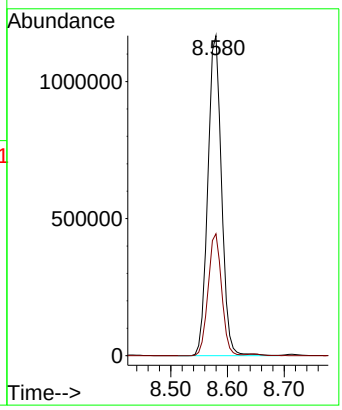


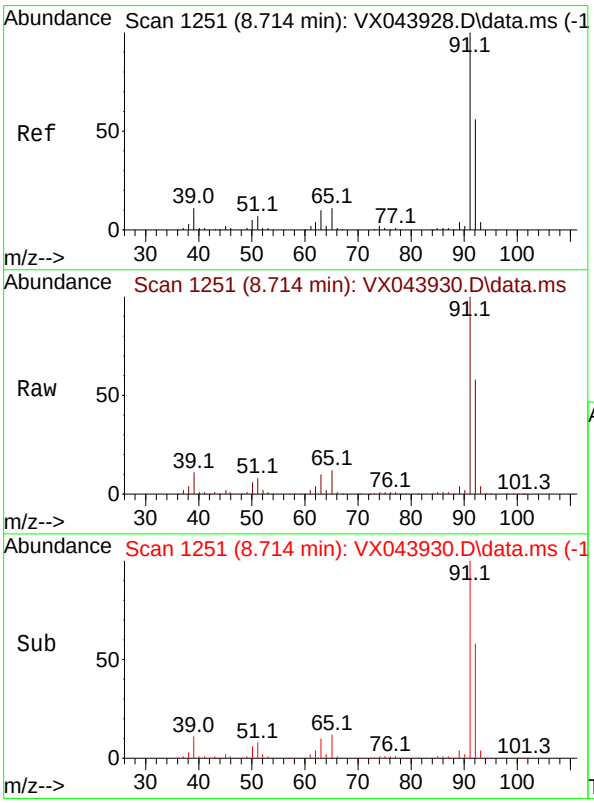
#51
4-Methyl-2-Pentanone
Concen: 766.353 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1954925

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.0	45.0

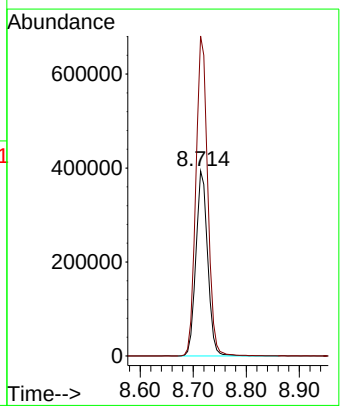


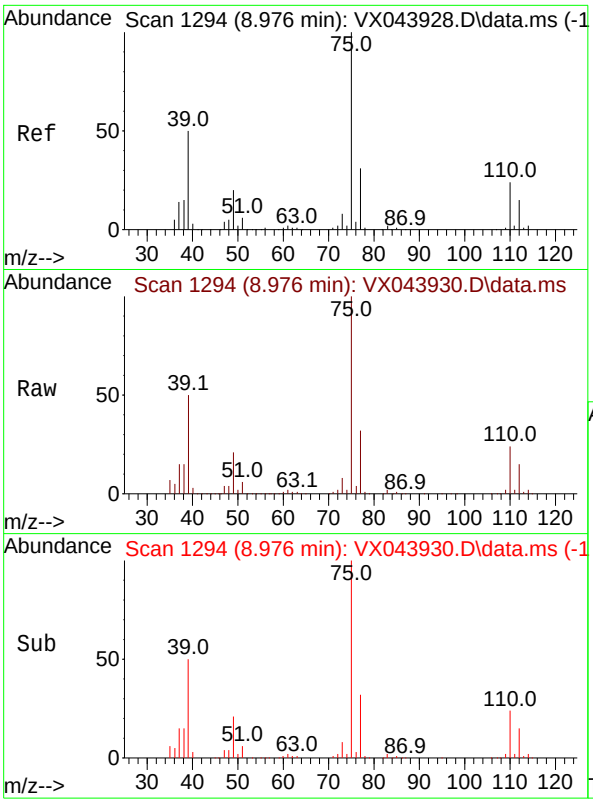


#52
Toluene
Concen: 153.910 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.7	209.5



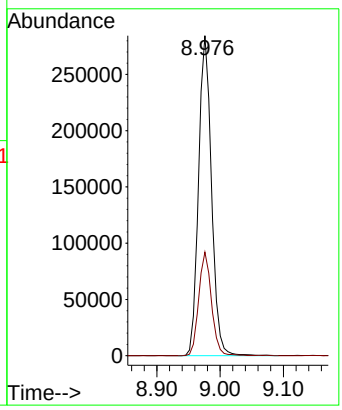


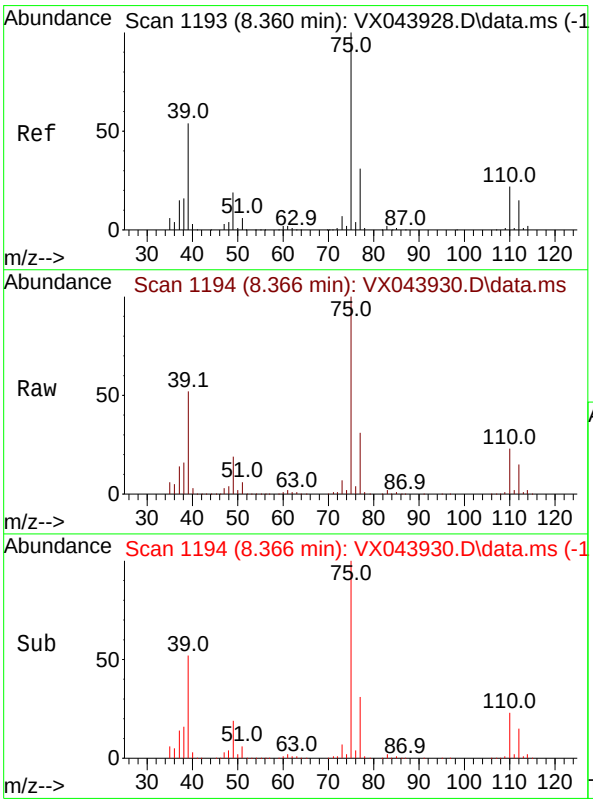
#53
t-1,3-Dichloropropene
Concen: 173.984 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 406346

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

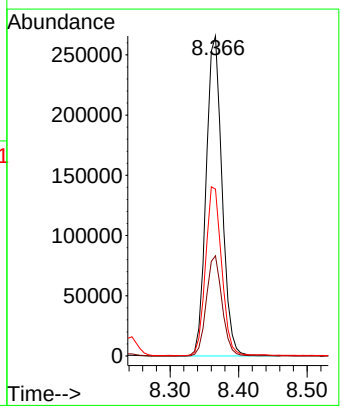


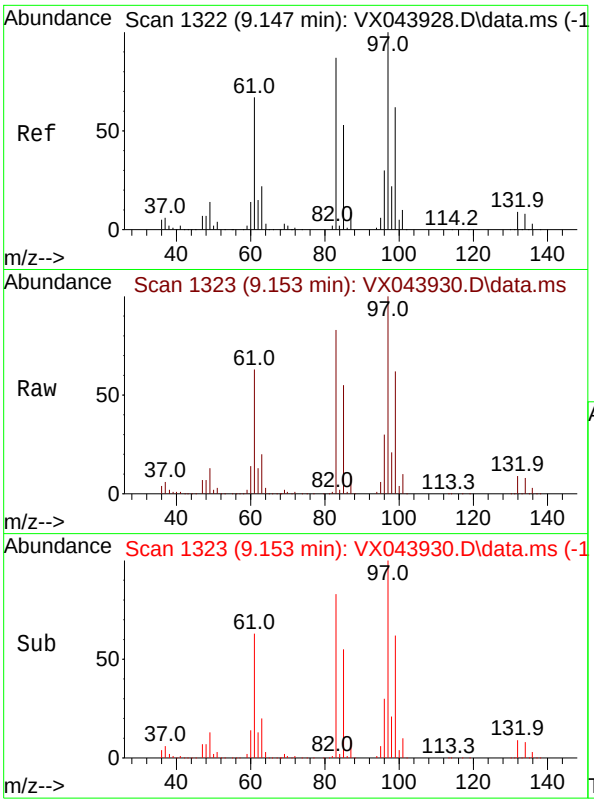


#54
cis-1,3-Dichloropropene
Concen: 167.379 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 428549

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	52.0	43.1	64.7



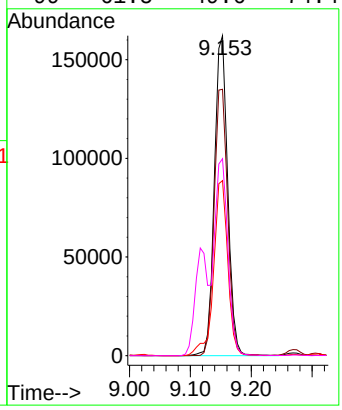


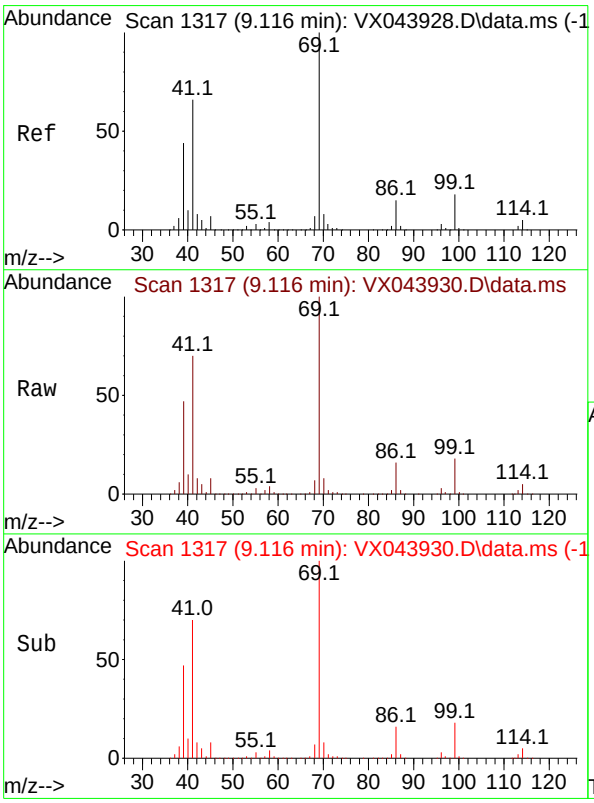
#55
1,1,2-Trichloroethane
Concen: 150.879 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 245706

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.4	104.0
85	54.7	42.3	63.5
99	61.5	49.6	74.4

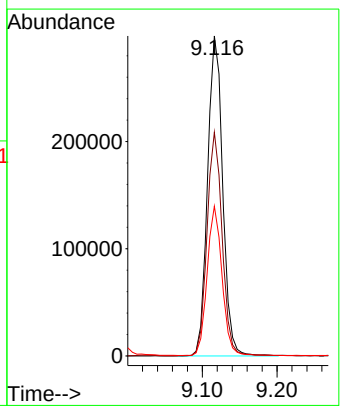


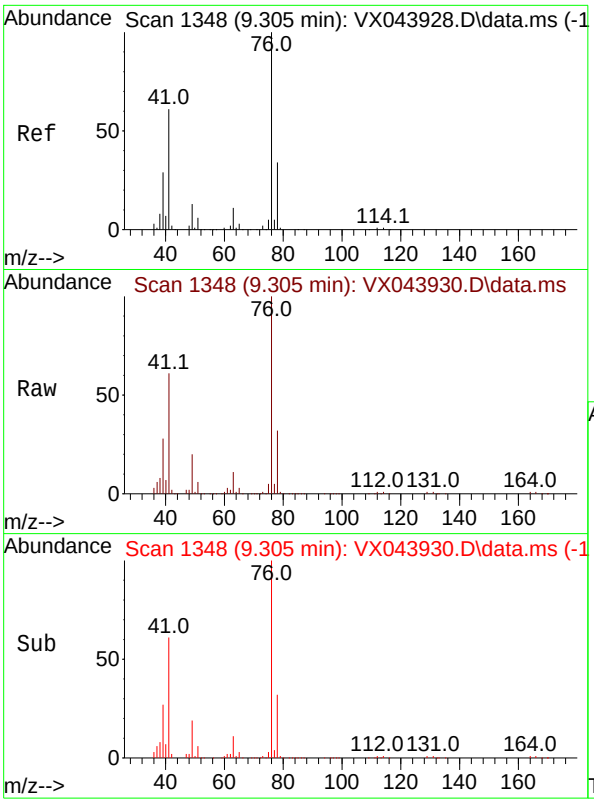


#56
Ethyl methacrylate
Concen: 165.742 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.8	83.8
39	45.9	36.7	55.1



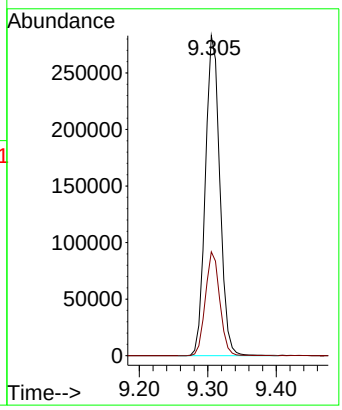


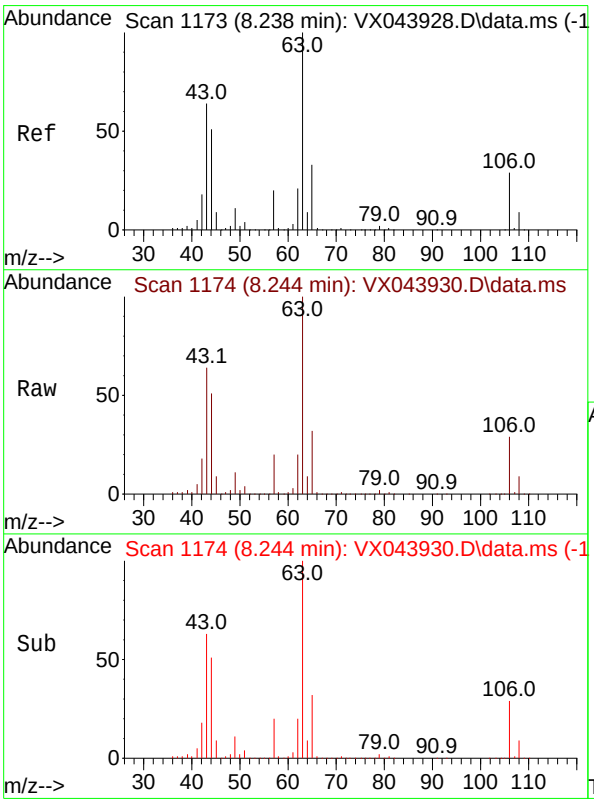
#57
1,3-Dichloropropane
Concen: 151.939 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 416811

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

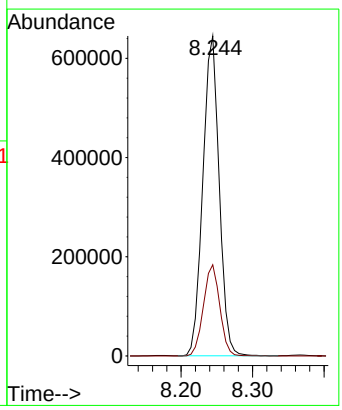


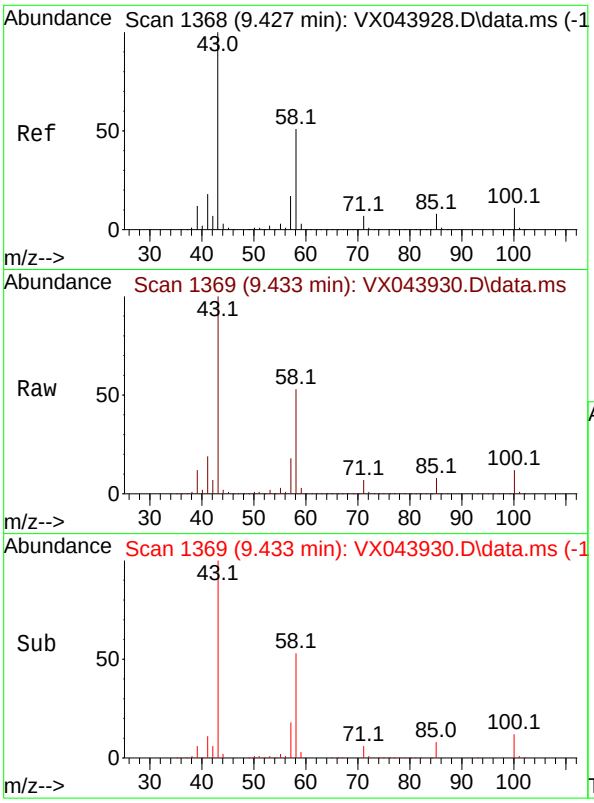


#58
2-Chloroethyl Vinyl ether
Concen: 753.191 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6



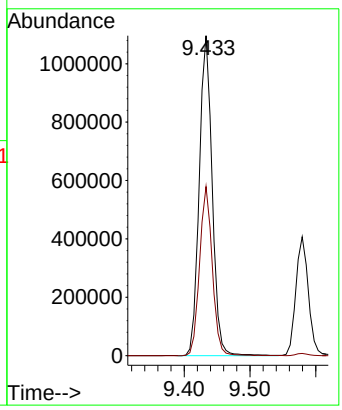


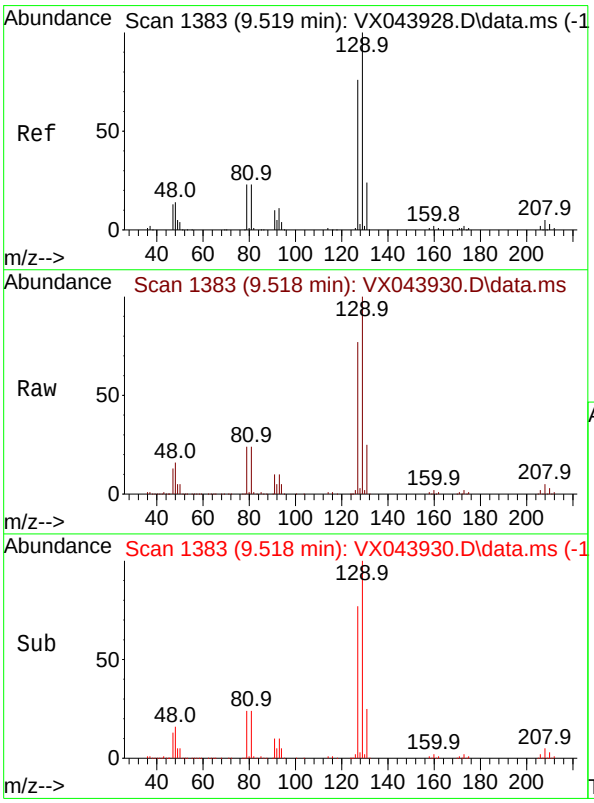
#59
2-Hexanone
Concen: 779.070 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1493755

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

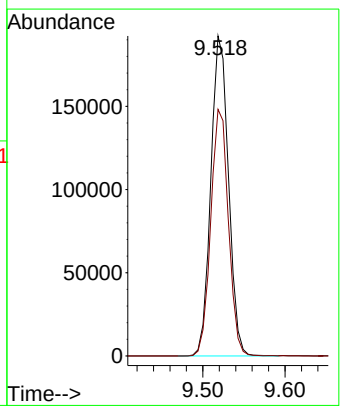


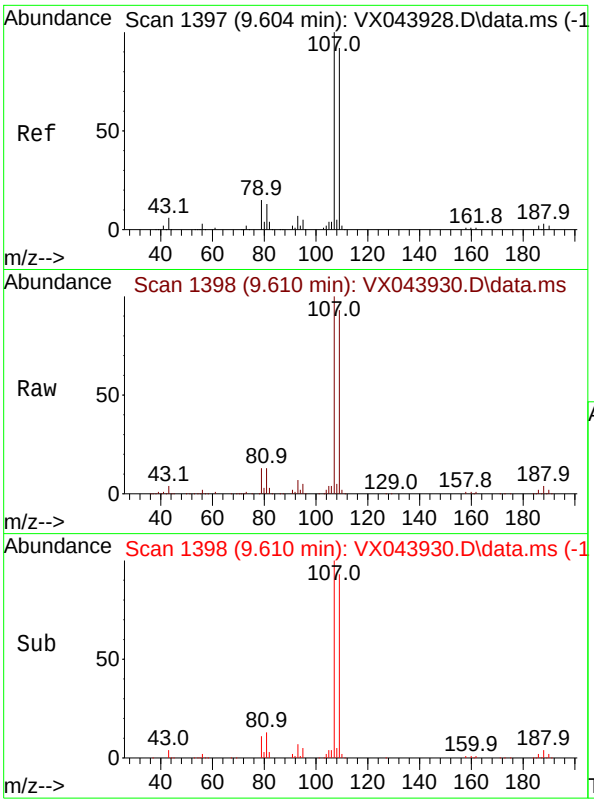


#60
Dibromochloromethane
Concen: 175.154 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6



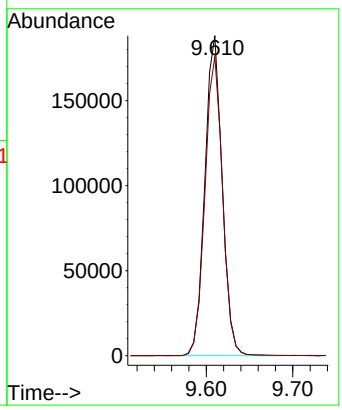


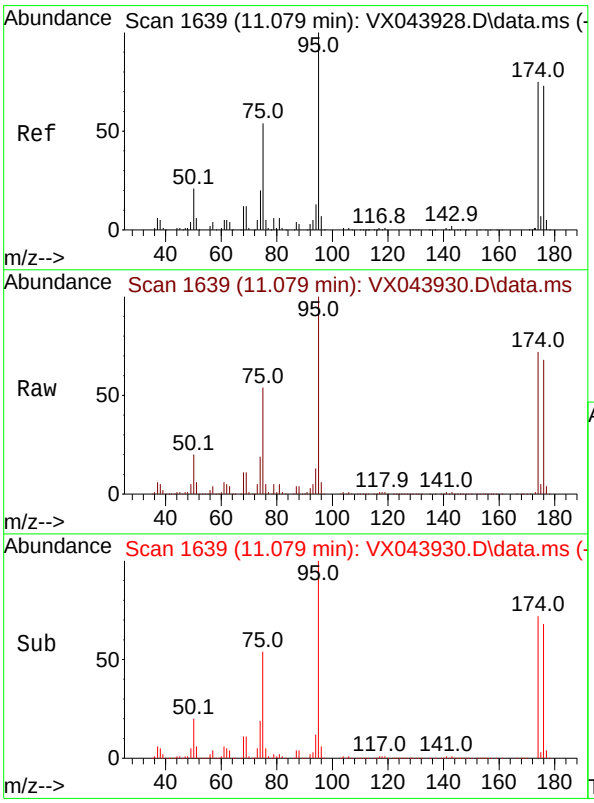
#61
1,2-Dibromoethane
Concen: 158.727 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 261369

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8

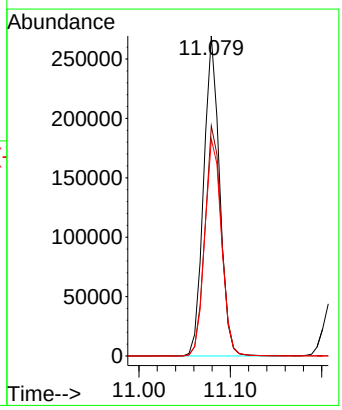


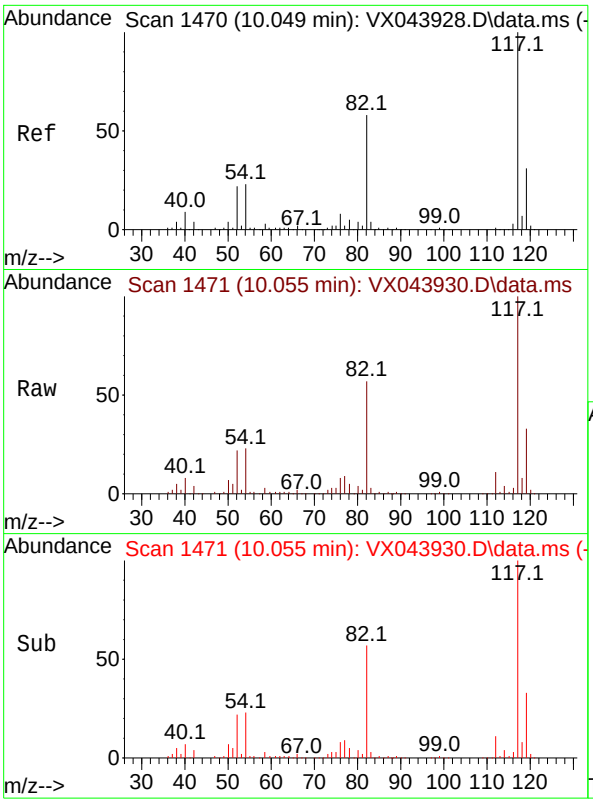


#62
4-Bromofluorobenzene
Concen: 162.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 95 Resp: 324612

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.4
176	71.4	0.0	146.0



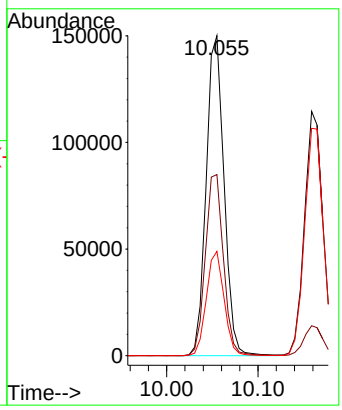


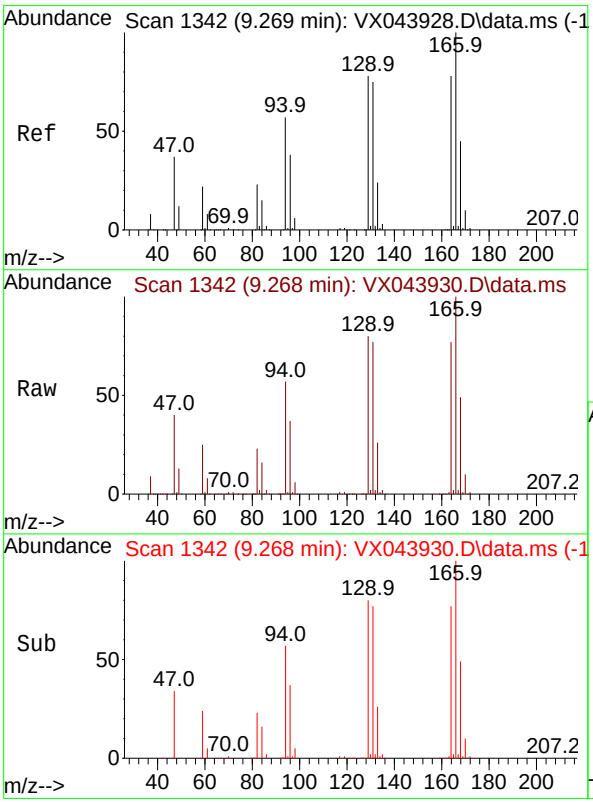
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 203280

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.4	69.6
119	32.6	24.6	37.0

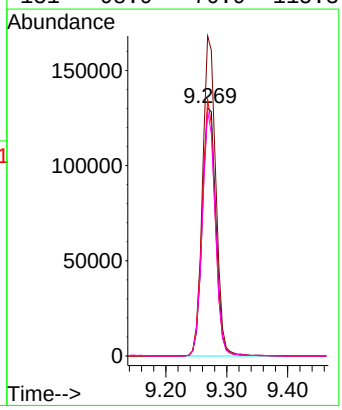


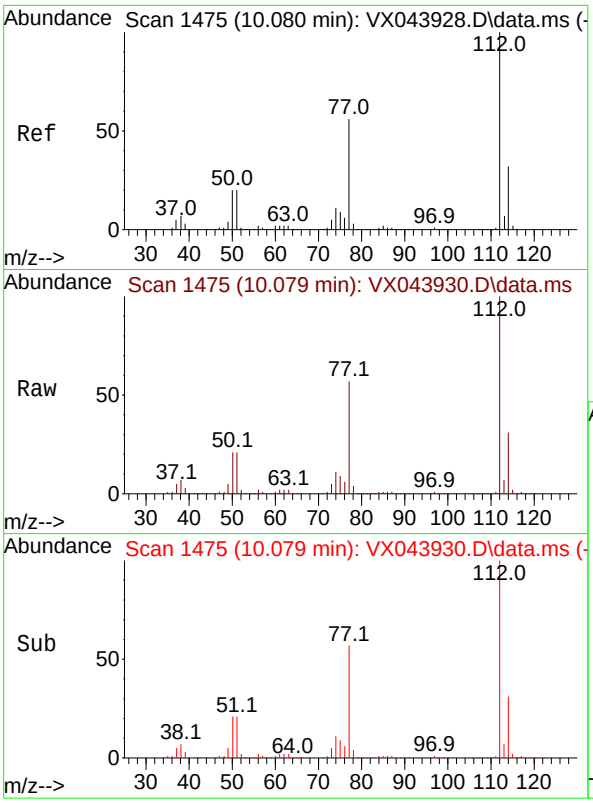


#64
Tetrachloroethene
Concen: 150.897 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.1	153.1
129	103.4	79.6	119.4
131	98.9	76.9	115.3



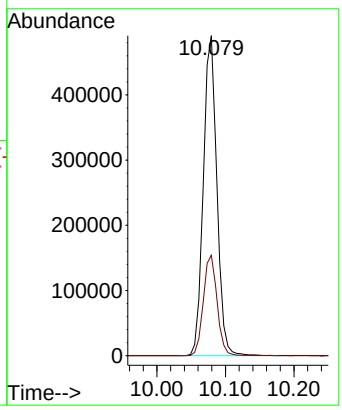


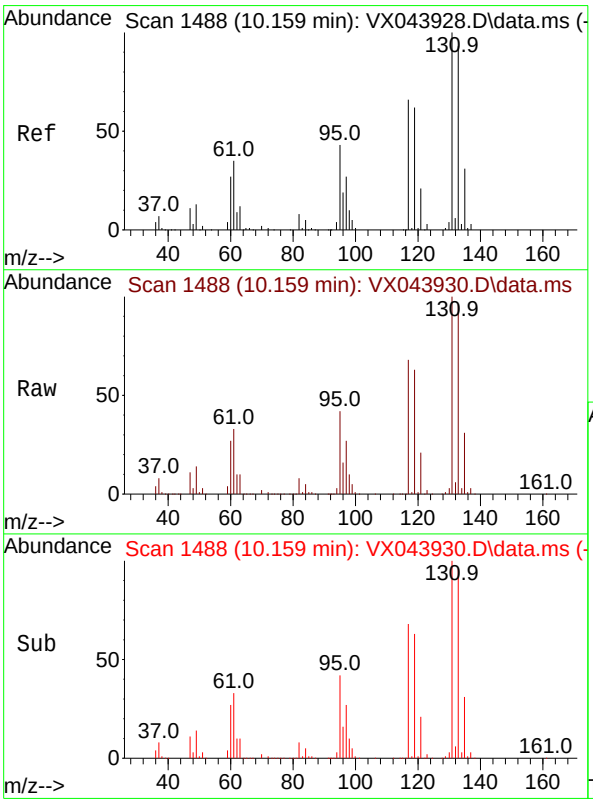
#65
Chlorobenzene
Concen: 151.304 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 675513

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.0

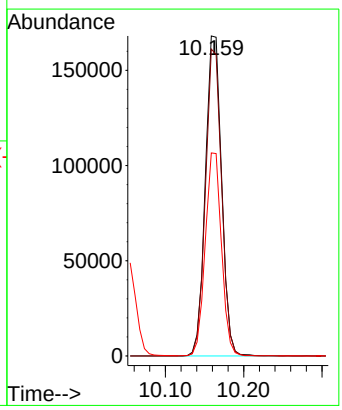


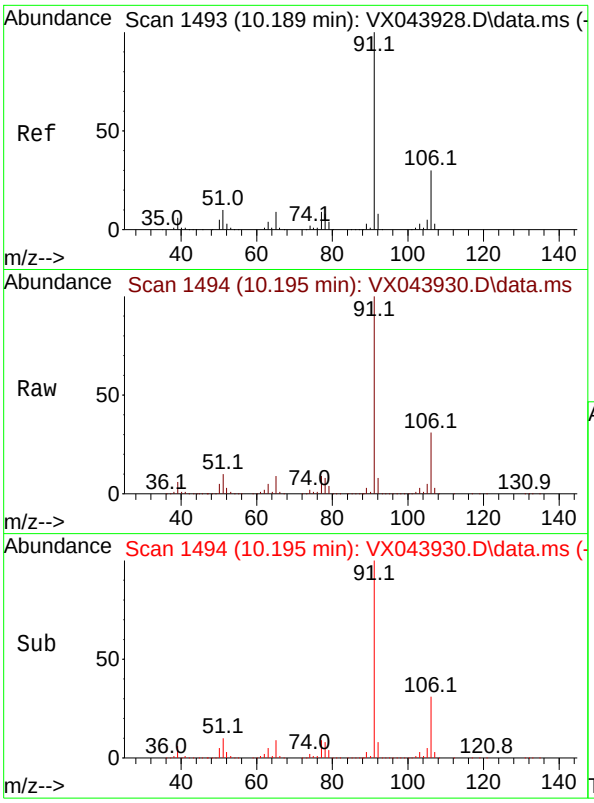


#66
1,1,1,2-Tetrachloroethane
Concen: 166.861 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	63.3	31.5	94.5



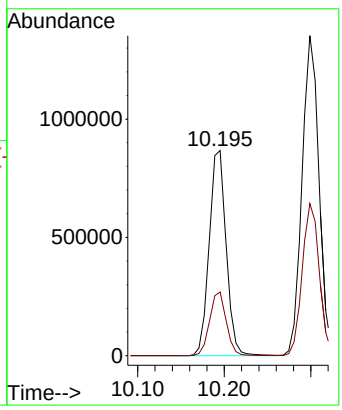


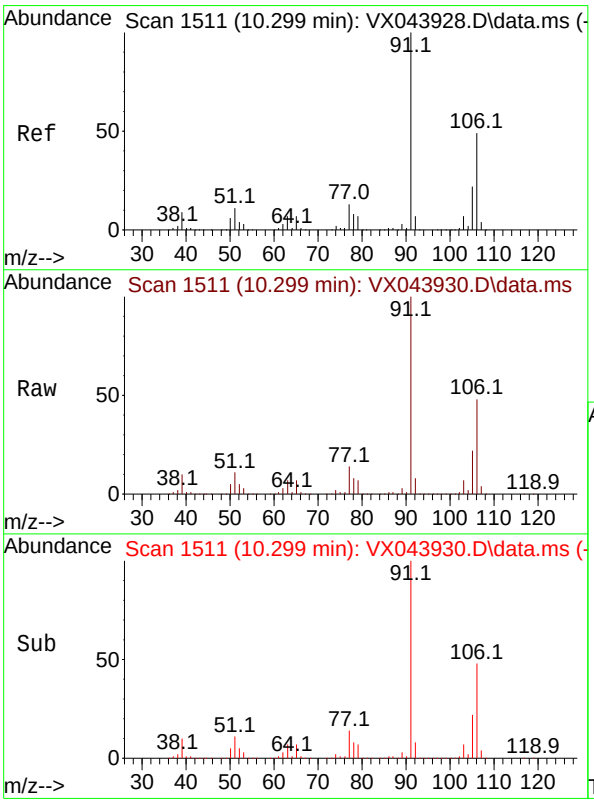
#67
Ethyl Benzene
Concen: 156.200 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1181693

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.6	35.4

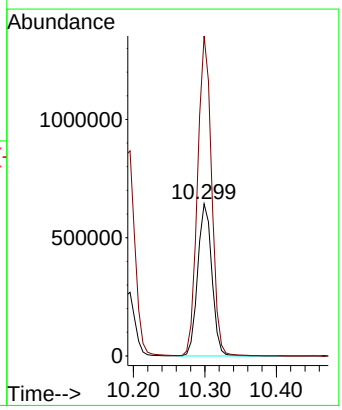


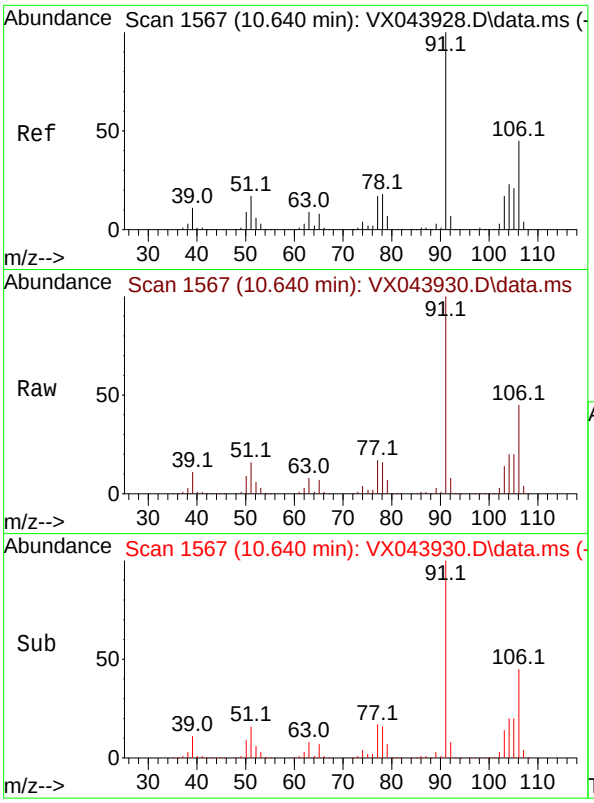


#68
m/p-Xylenes
Concen: 313.360 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

Ion	Ratio	Lower	Upper
106	100		
91	208.6	168.1	252.1



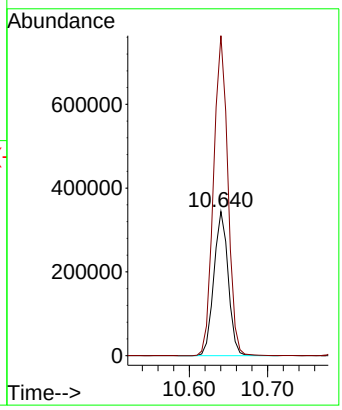


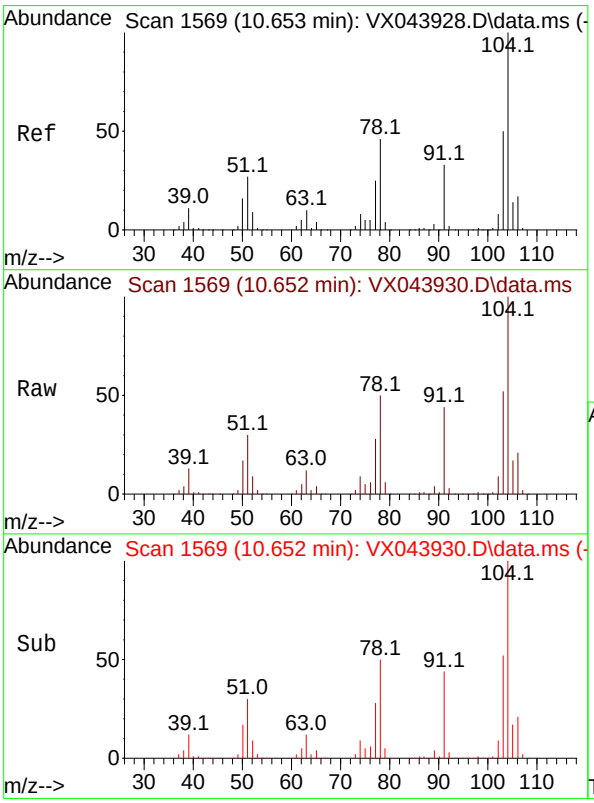
#69
o-Xylene
Concen: 158.616 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 436919

Ion	Ratio	Lower	Upper
106	100		
91	222.3	110.2	330.6

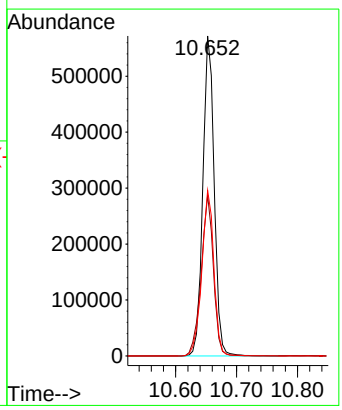


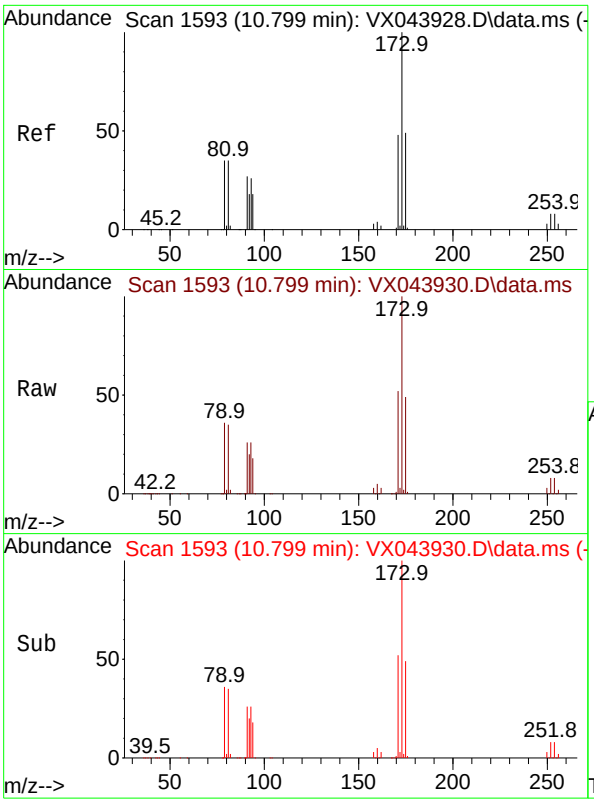


#70
Styrene
Concen: 162.878 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061

Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.2	63.2
103	55.2	44.7	67.1



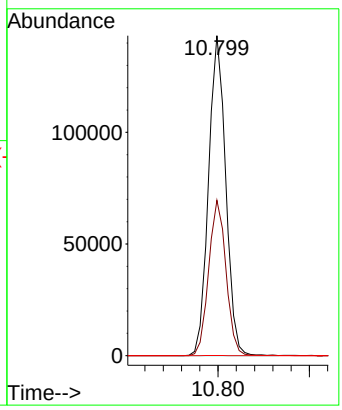


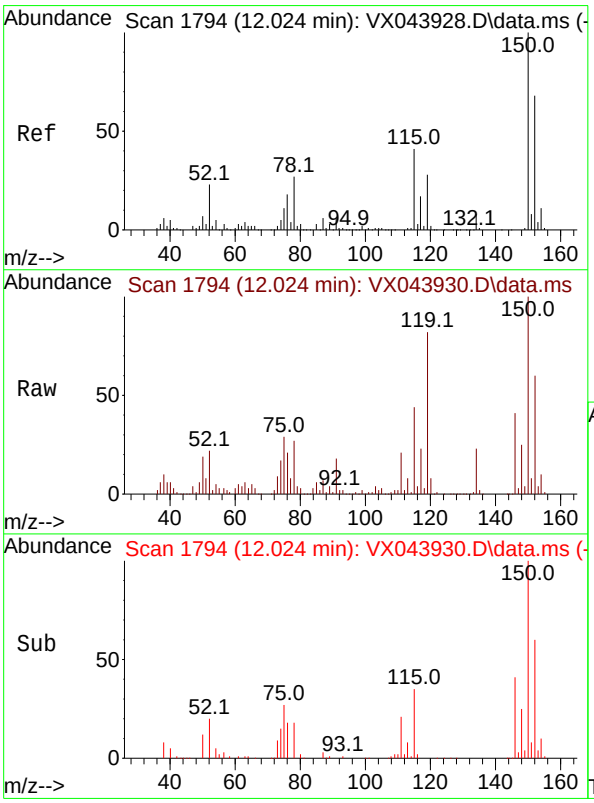
#71
Bromoform
Concen: 150.272 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 186691

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.1	0.0	0.0#

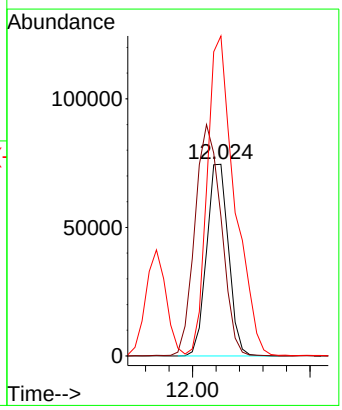


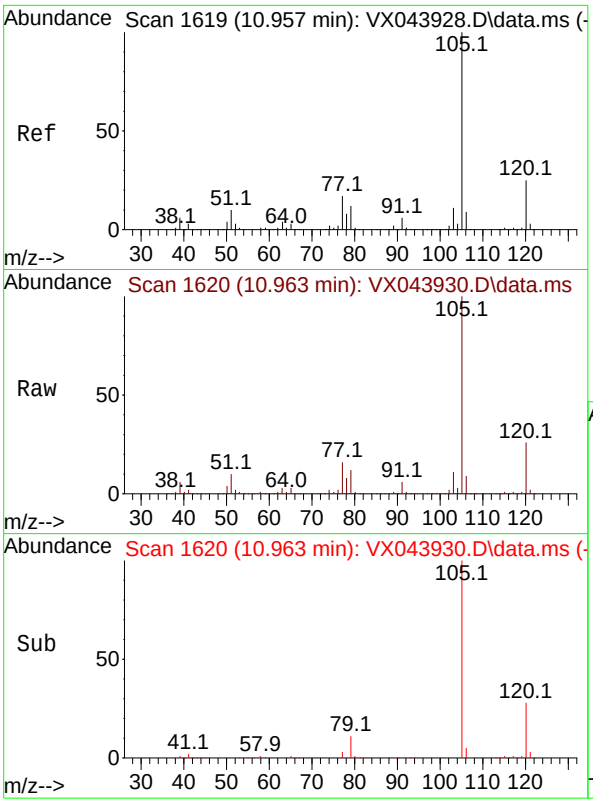


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:152 Resp: 96376

Ion	Ratio	Lower	Upper
152	100		
115	145.9	45.4	136.2#
150	210.2	0.0	353.0



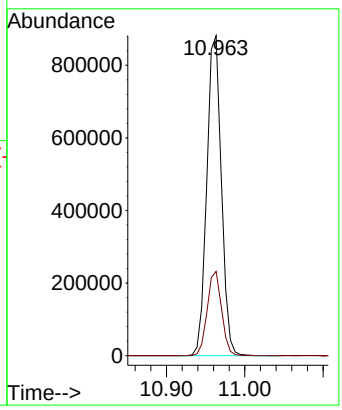


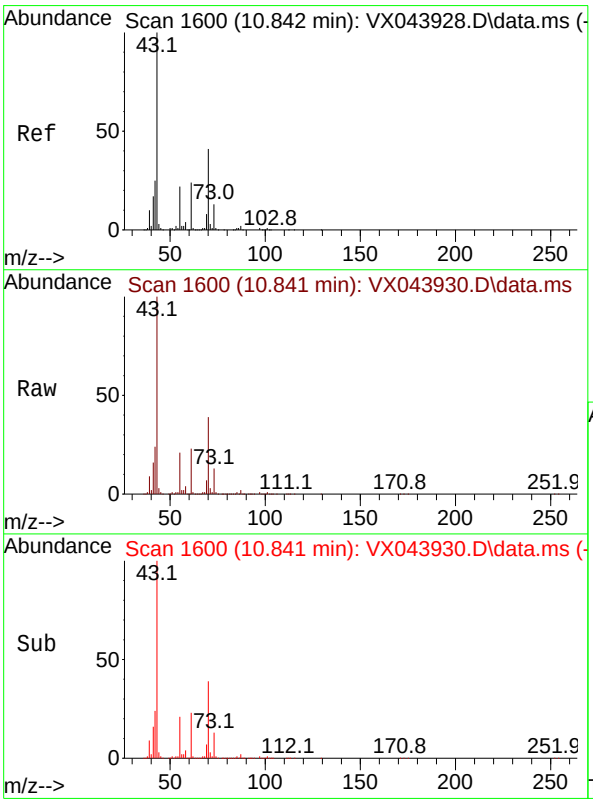
#73
Isopropylbenzene
Concen: 153.248 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1135309

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

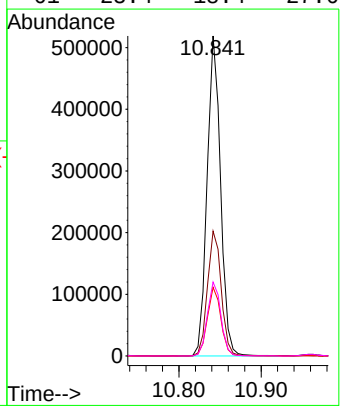


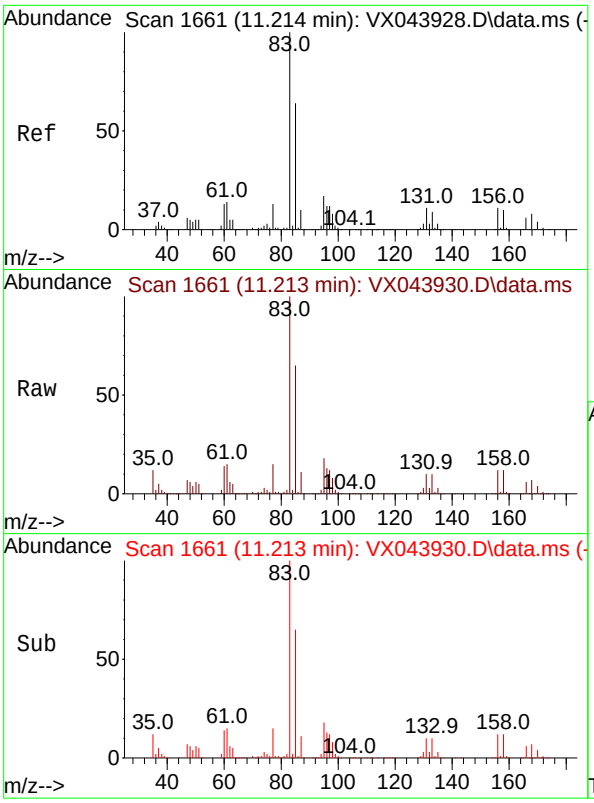


#74
N-amyl acetate
Concen: 170.913 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	21.7	18.1	27.1
61	23.4	18.4	27.6



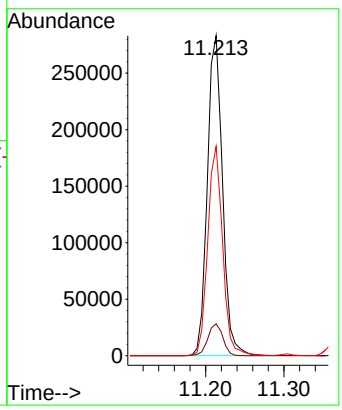


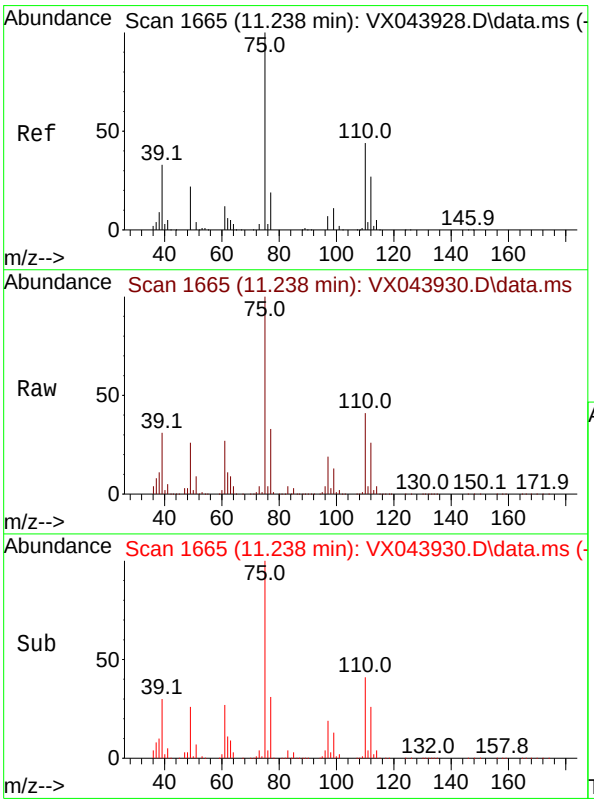
#75
1,1,2,2-Tetrachloroethane
Concen: 149.781 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 379947

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.2
85	64.1	32.2	96.6

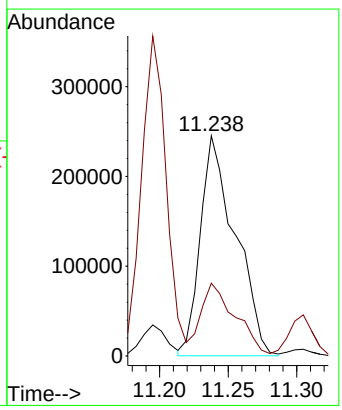


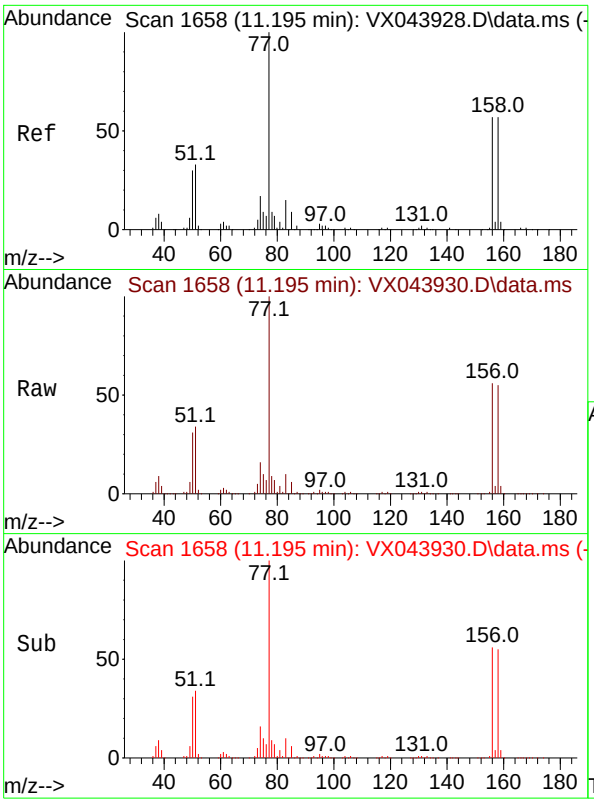


#76
1,2,3-Trichloropropane
Concen: 210.095 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 436650

Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.8	65.3



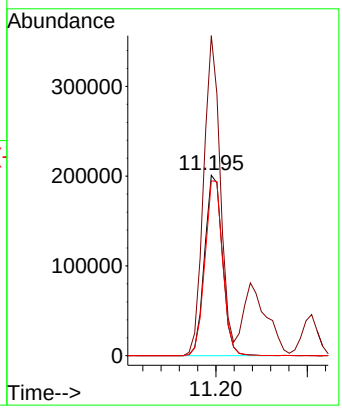


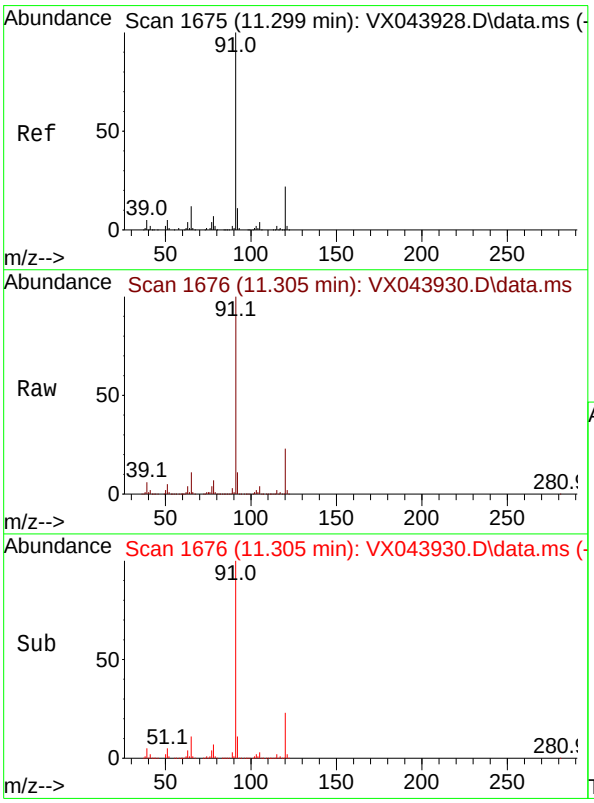
#77
Bromobenzene
Concen: 153.159 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 270671

Ion	Ratio	Lower	Upper
156	100		
77	166.5	83.4	250.1
158	96.8	47.6	142.8

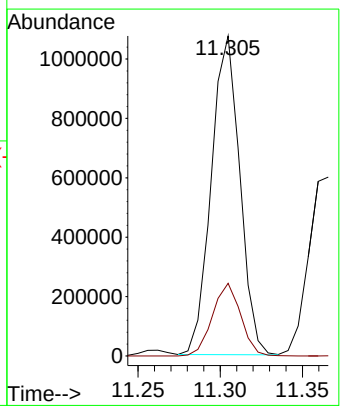


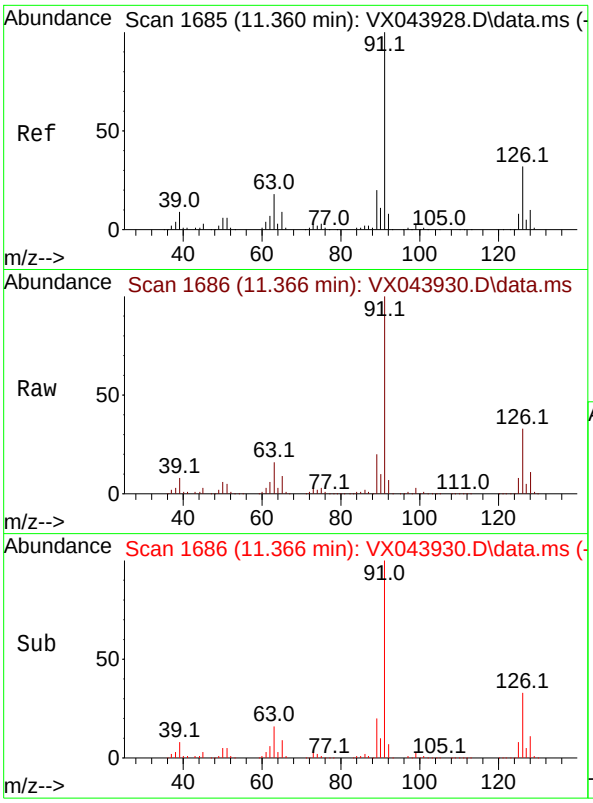


#78
n-propylbenzene
Concen: 156.752 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4



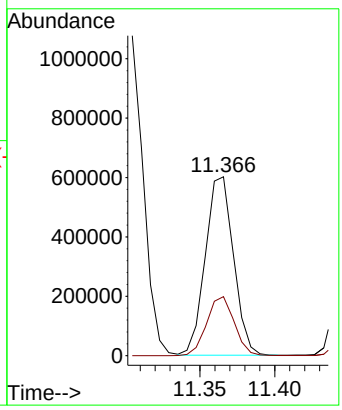


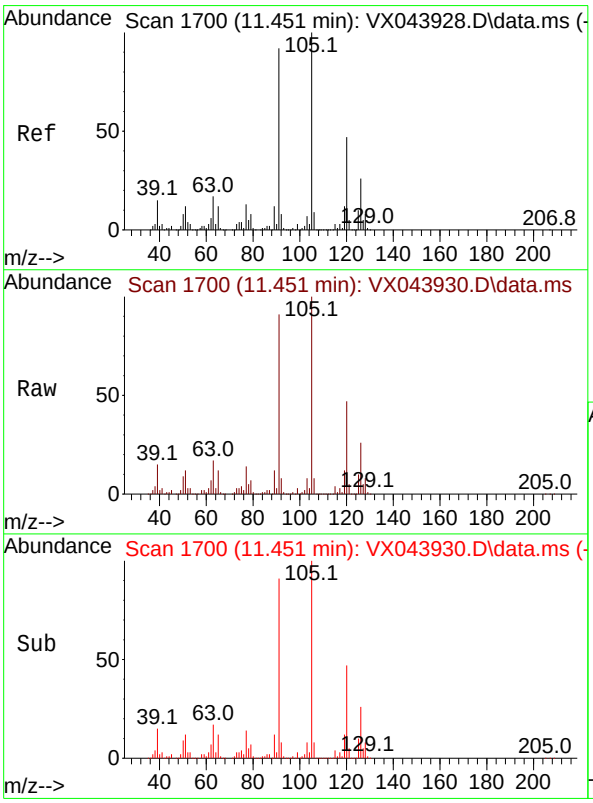
#79
2-Chlorotoluene
Concen: 150.642 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 788163

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8

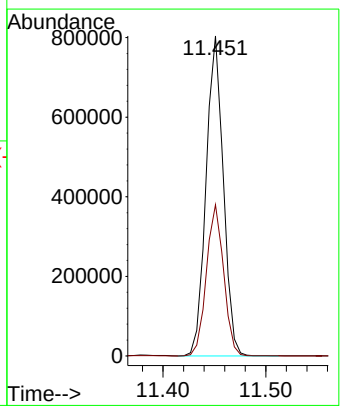


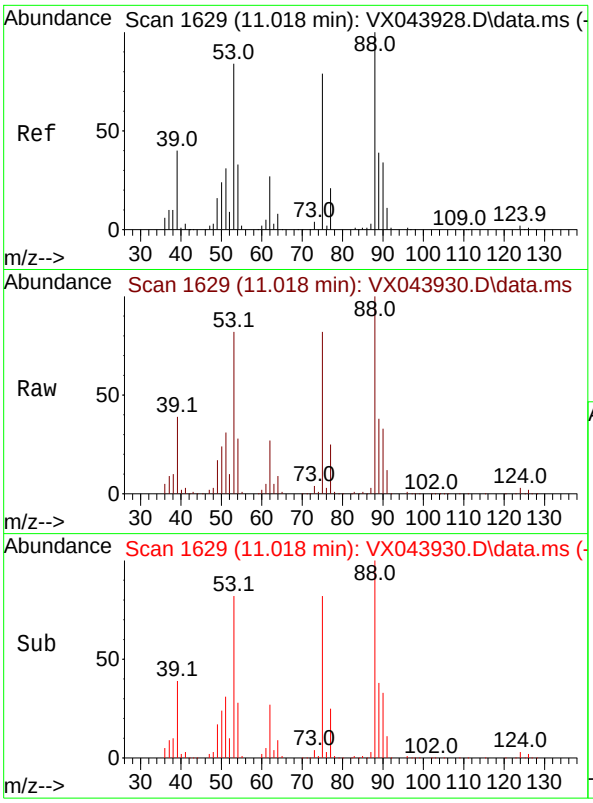


#80
1,3,5-Trimethylbenzene
Concen: 153.592 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 936129

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8



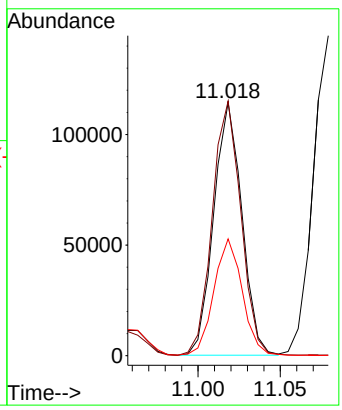


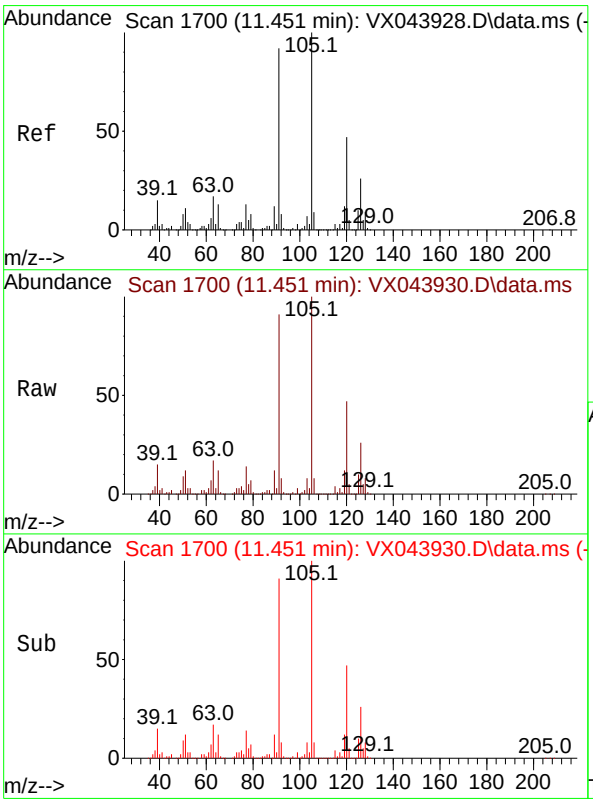
#81
trans-1,4-Dichloro-2-butene
Concen: 175.724 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 136104

Ion	Ratio	Lower	Upper
75	100		
53	103.1	86.7	130.1
89	47.0	38.2	57.2

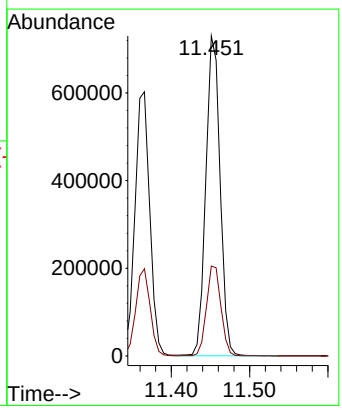


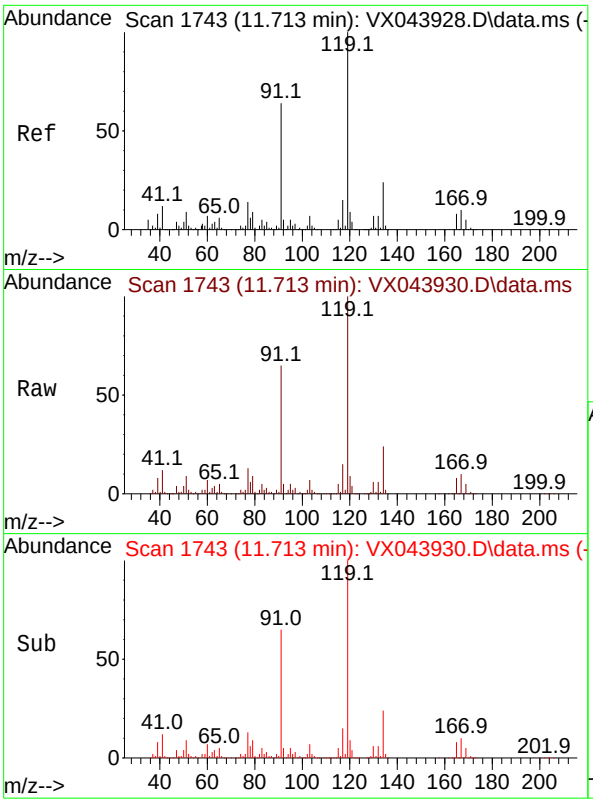


#82
4-Chlorotoluene
Concen: 155.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



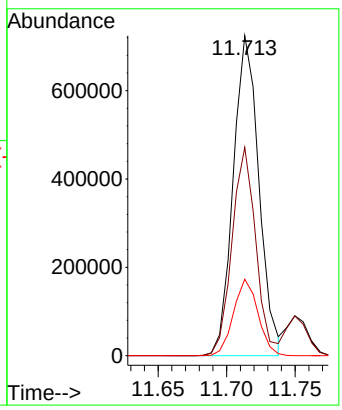


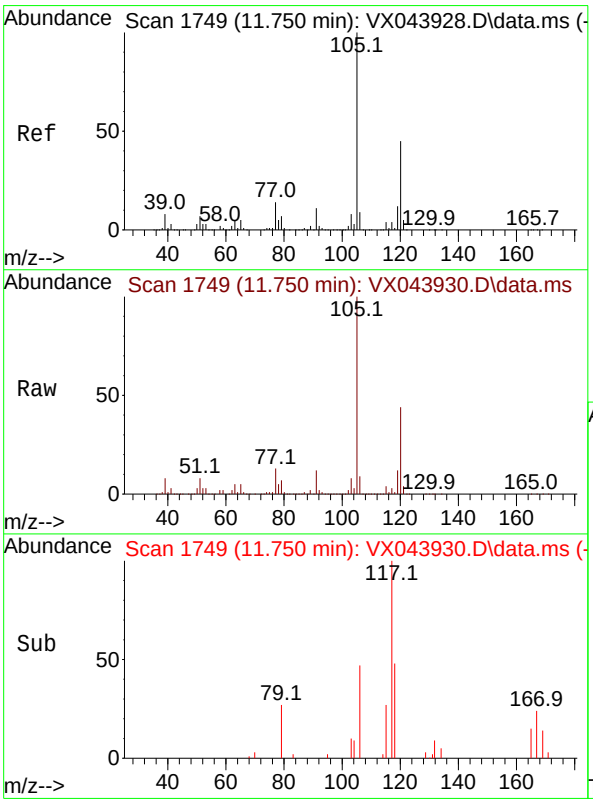
#83
tert-Butylbenzene
Concen: 156.438 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 945058

Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.0	93.0
134	22.9	11.6	34.8

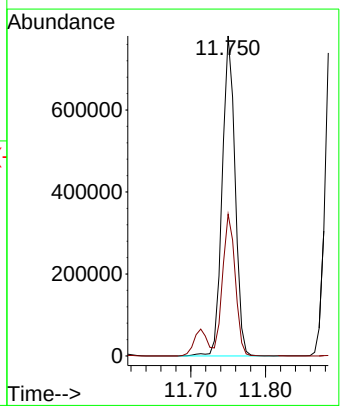


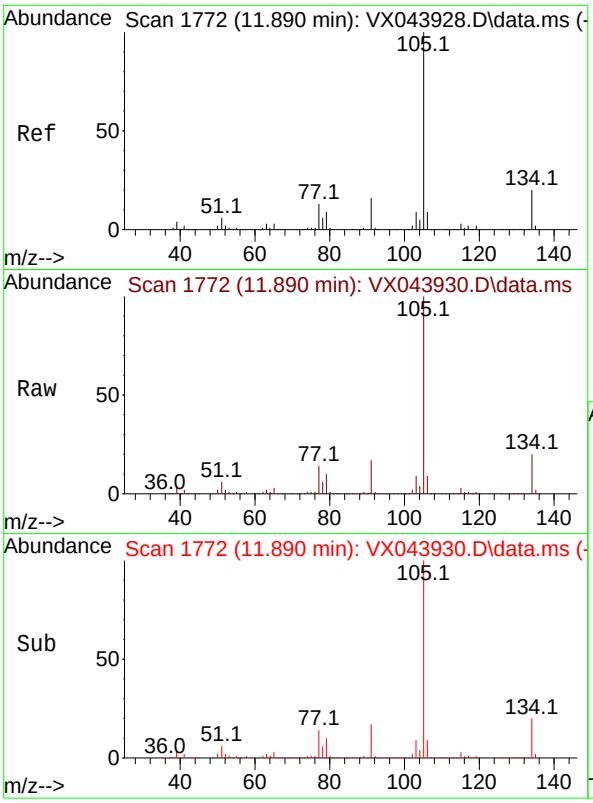


#84
1,2,4-Trimethylbenzene
Concen: 153.802 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7



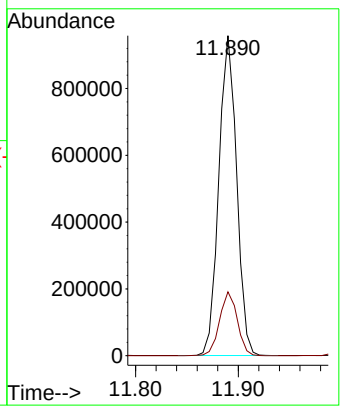


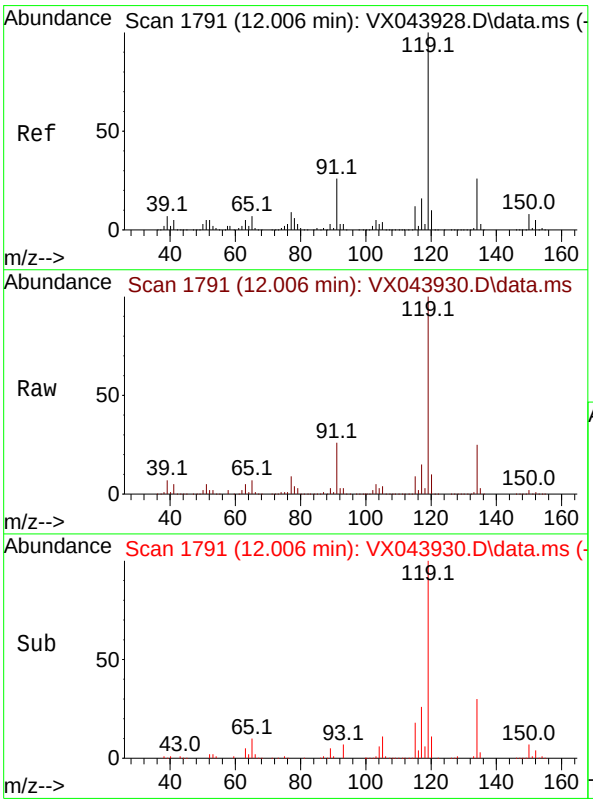
#85
sec-Butylbenzene
Concen: 155.218 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1148877

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

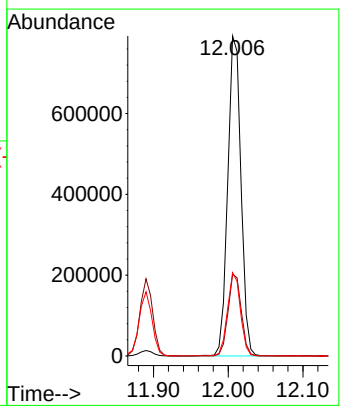


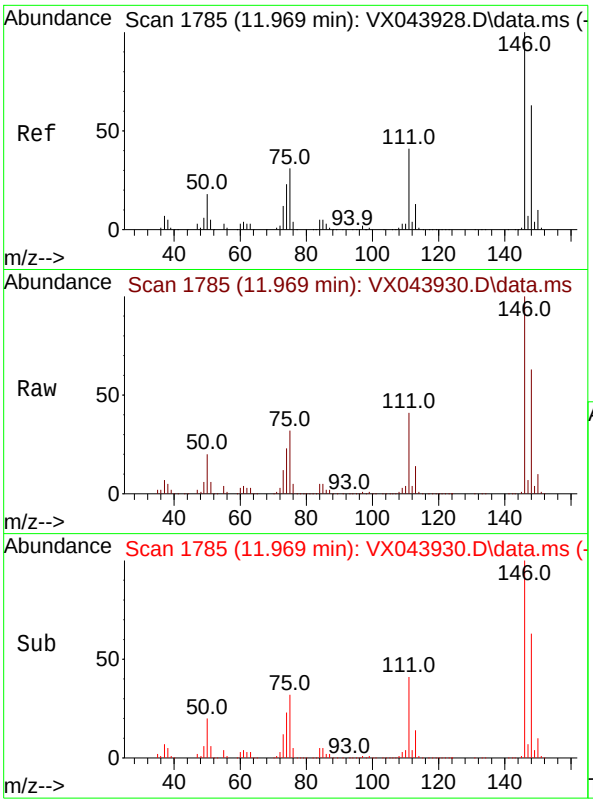


#86
p-Isopropyltoluene
Concen: 161.670 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.4	13.0	38.9



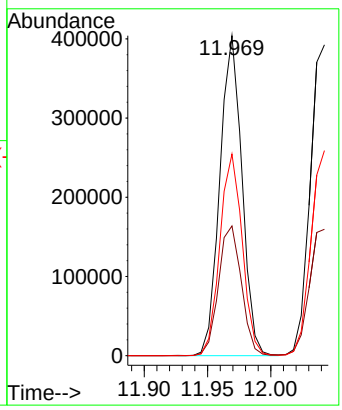


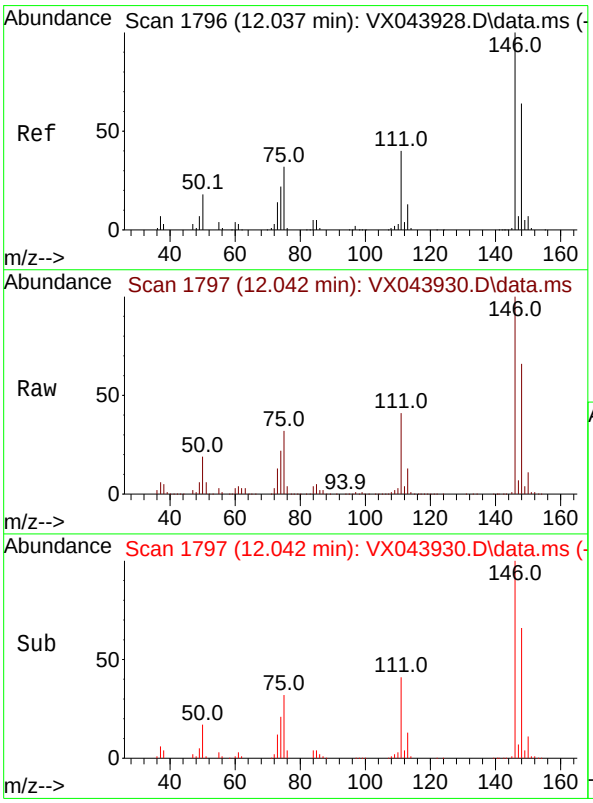
#87
1,3-Dichlorobenzene
Concen: 152.338 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 490336

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.8	31.7	95.1

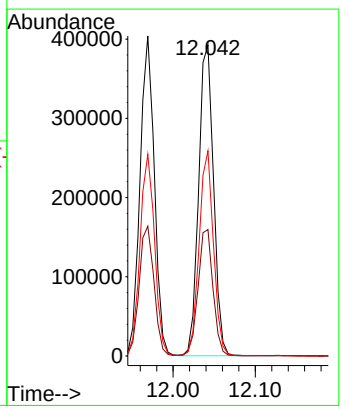


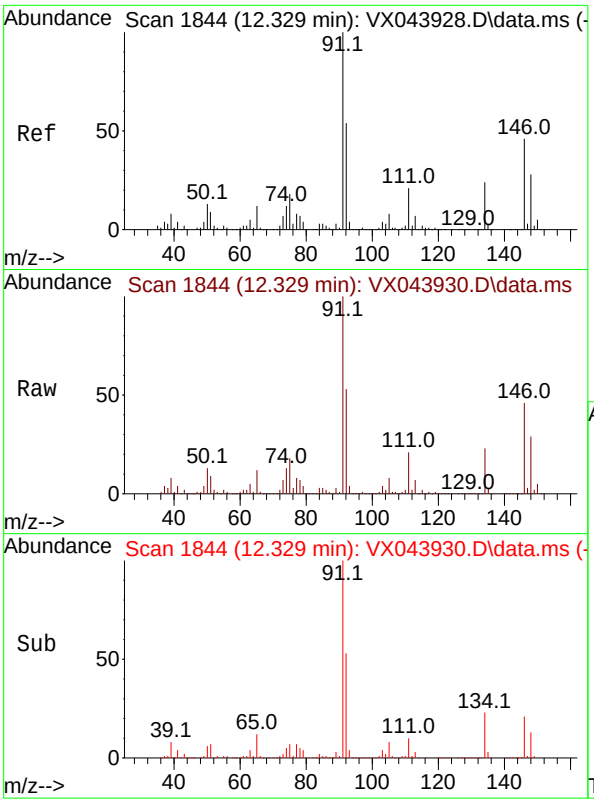


#88
1,4-Dichlorobenzene
Concen: 151.224 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.3
148	63.5	30.9	92.8



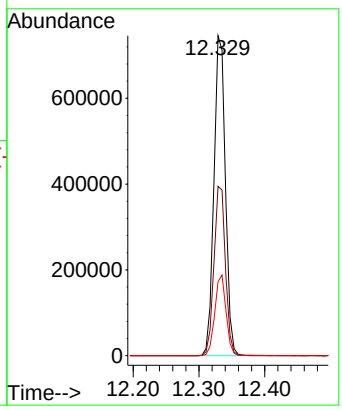


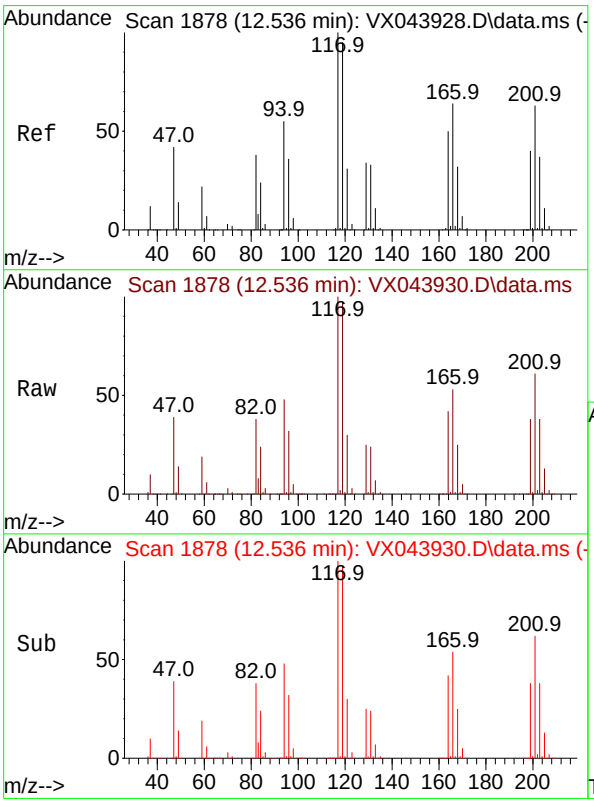
#89
n-Butylbenzene
Concen: 170.502 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 903805

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	24.8	12.4	37.2

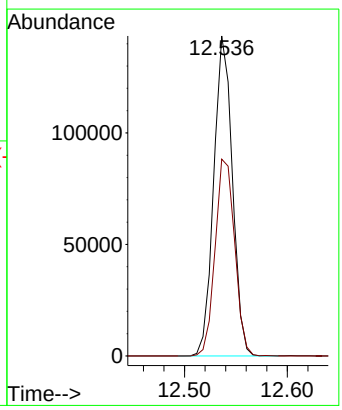


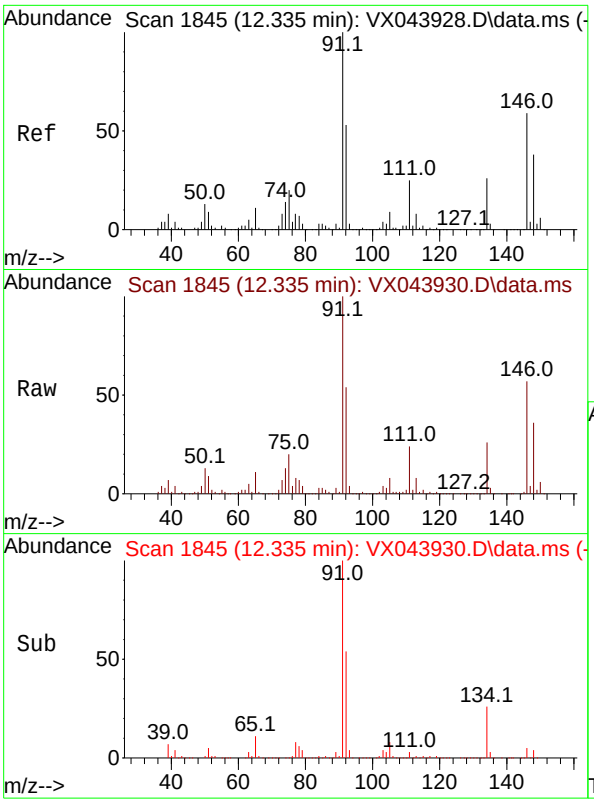


#90
Hexachloroethane
Concen: 176.628 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 180575

Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.4	97.0



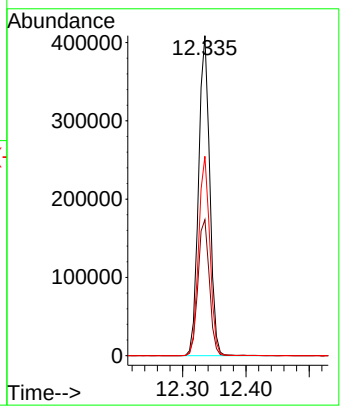


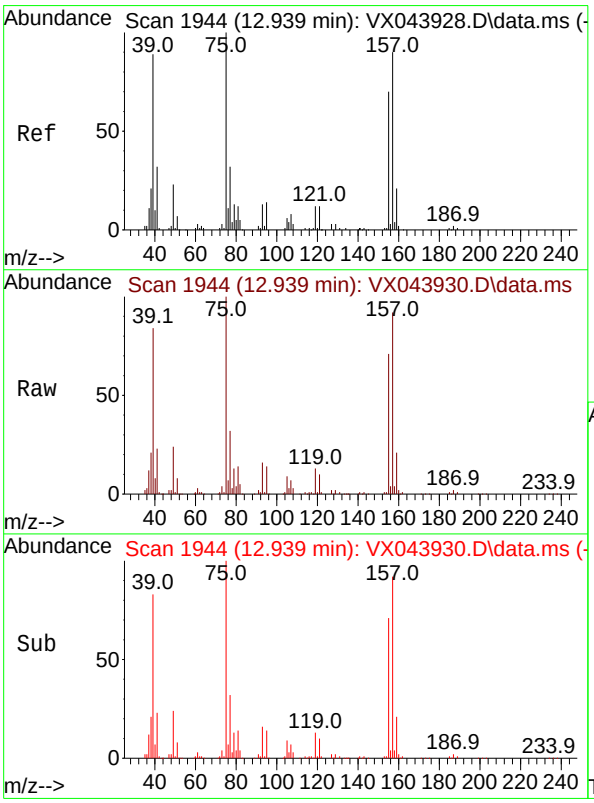
#91
1,2-Dichlorobenzene
Concen: 154.918 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 503214

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	62.6	31.9	95.5

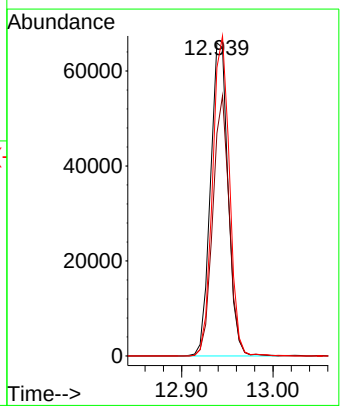


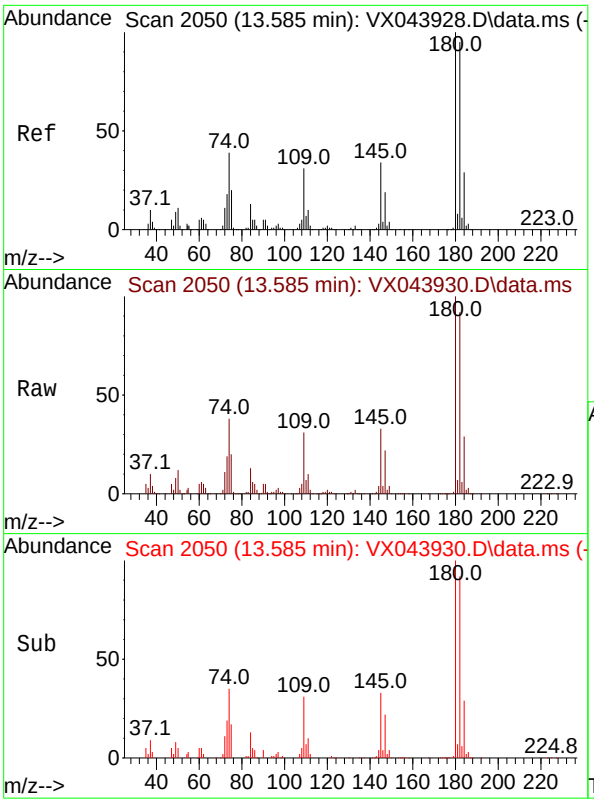


#92
1,2-Dibromo-3-Chloropropane
Concen: 173.059 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963

Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.1	120.2
157	98.7	49.6	149.0



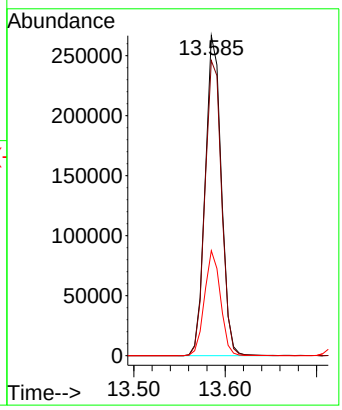


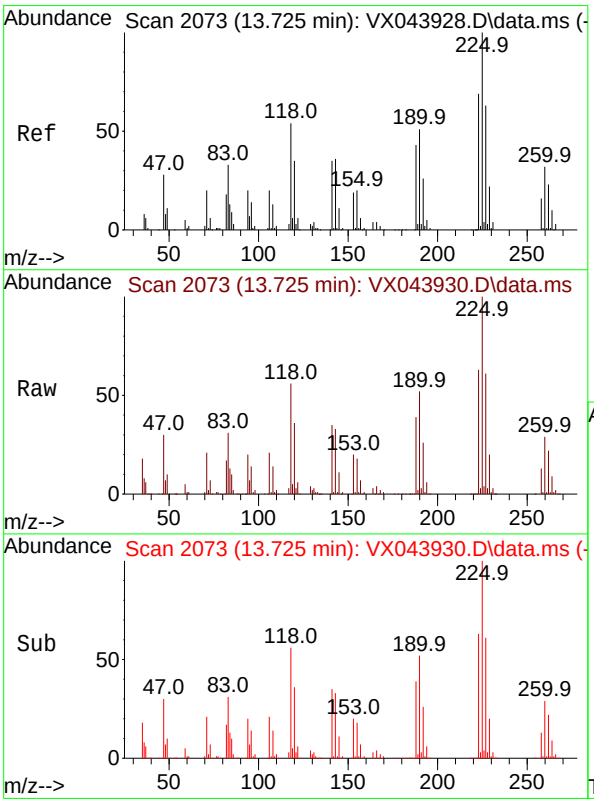
#93
1,2,4-Trichlorobenzene
Concen: 169.860 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 325289

Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	32.5	16.8	50.4

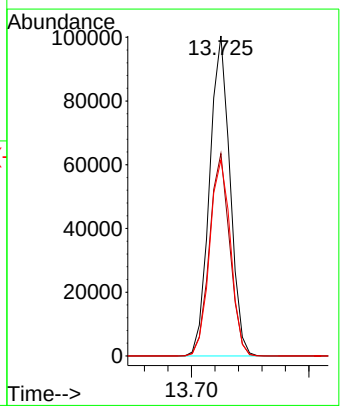


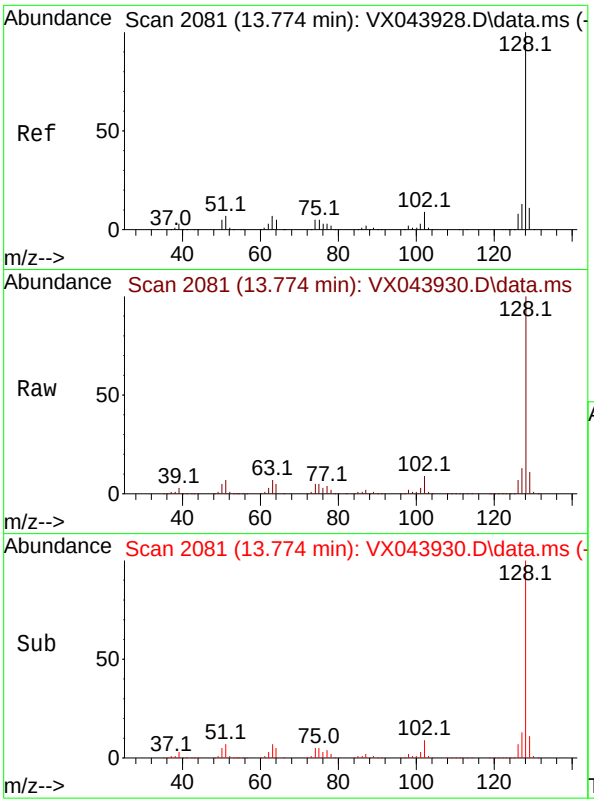


#94
Hexachlorobutadiene
Concen: 160.037 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:225 Resp: 121126

Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.9	98.6
227	62.8	31.6	94.8



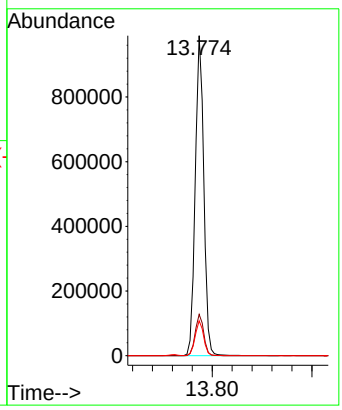


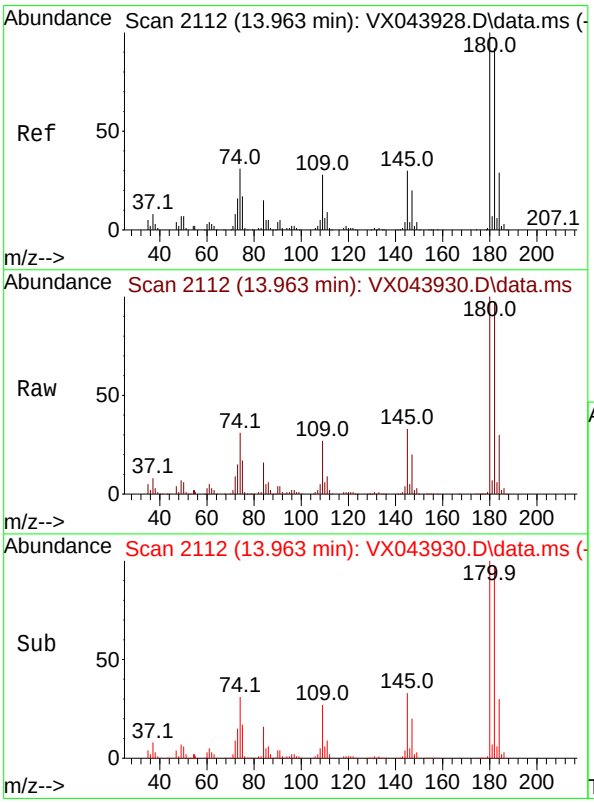
#95
Naphthalene
Concen: 170.179 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1173154

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

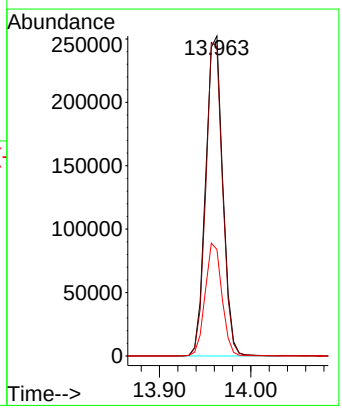




#96
1,2,3-Trichlorobenzene
Concen: 168.544 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 326693

Ion	Ratio	Lower	Upper
180	100		
182	96.5	45.6	136.8
145	34.6	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l	99
3) Chloromethane	1.295	50	85795	49.100	ug/l	98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l	97
5) Bromomethane	1.593	94	53783	47.040	ug/l	100
6) Chloroethane	1.660	64	46342	40.921	ug/l	100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l	99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	99
13) Acrolein	2.233	56	89571	235.500	ug/l	98
14) Allyl chloride	2.654	41	127367	51.610	ug/l	99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	99
16) Acetone	2.386	43	257802	249.676	ug/l	99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l	100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l	100
30) Chloroform	5.080	83	163357	49.891	ug/l	98
31) Cyclohexane	5.458	56	128482	51.278	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l	97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	93
40) Benzene	6.025	78	319222	50.257	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851	ug/l		99
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l		100
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l		99
44) Trichloroethene	7.117	130	80113	44.554	ug/l		90
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l		98
46) Dibromomethane	7.574	93	62345	50.662	ug/l		99
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l		99
48) Methyl methacrylate	7.690	41	101062	52.284	ug/l		99
49) 1,4-Dioxane	7.659	88	31178	905.506	ug/l	#	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l		100
52) Toluene	8.714	92	195814	51.507	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l		97
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l		100
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230	ug/l		99
59) 2-Hexanone	9.427	43	504444	273.011	ug/l		100
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l		99
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l		100
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l		97
65) Chlorobenzene	10.073	112	209963	48.094	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l		98
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l		97
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l		99
69) o-Xylene	10.640	106	138437	51.396	ug/l		98
70) Styrene	10.653	104	230449	51.728	ug/l		99
71) Bromoform	10.799	173	50837	47.449	ug/l	#	98
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l		99
74) N-amyl acetate	10.842	43	176627	51.406	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	139865	66.099	ug/l		83
77) Bromobenzene	11.195	156	85070	48.081	ug/l		99
78) n-propylbenzene	11.305	91	419586	50.652	ug/l		99
79) 2-Chlorotoluene	11.360	91	249079	47.551	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756	ug/l		98
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l		100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l		100
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l		99
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306	ug/l		97
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l		99
90) Hexachloroethane	12.536	117	51229	50.050	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l		99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l		97
95) Naphthalene	13.774	128	357725	51.831	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

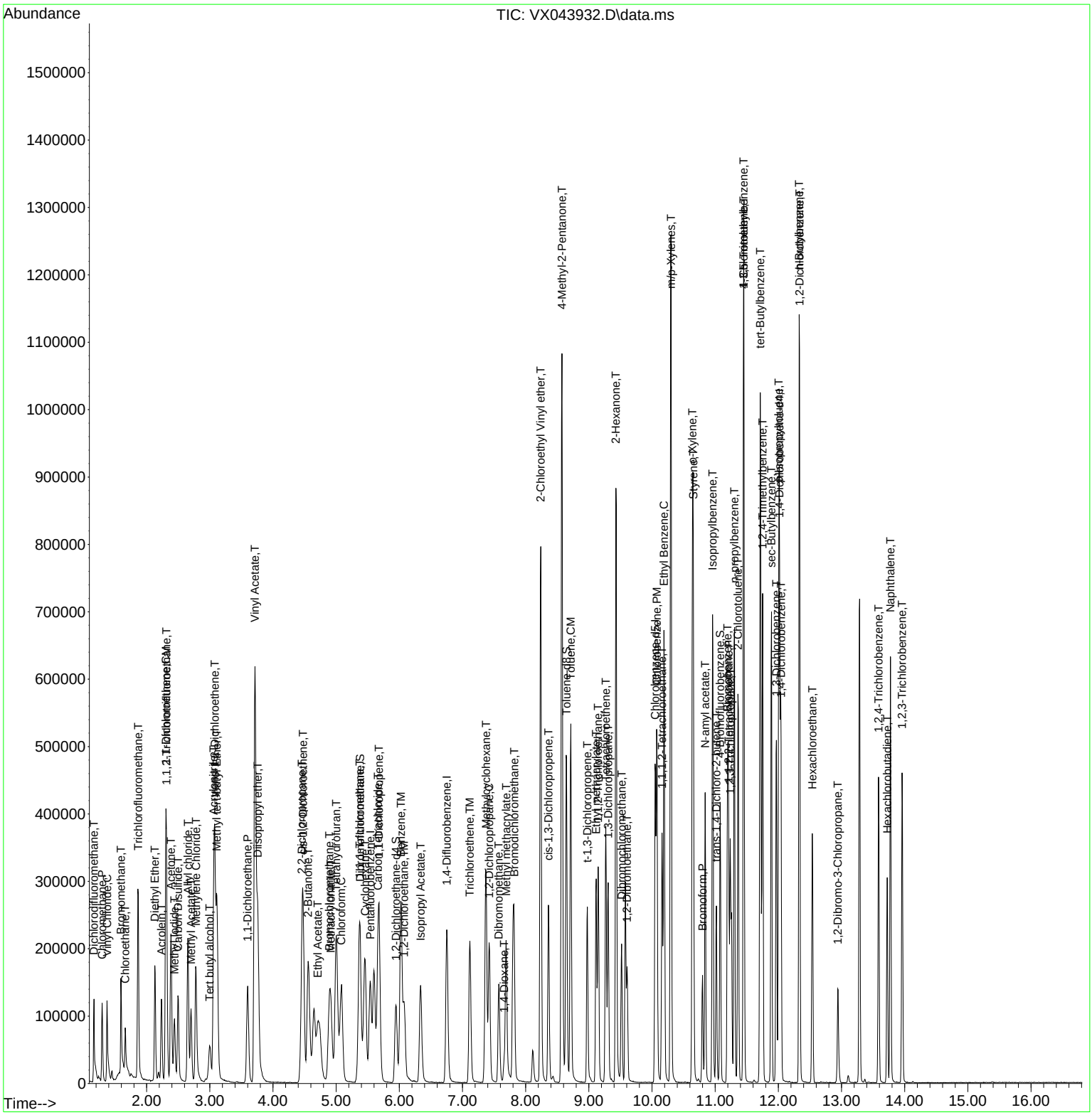
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

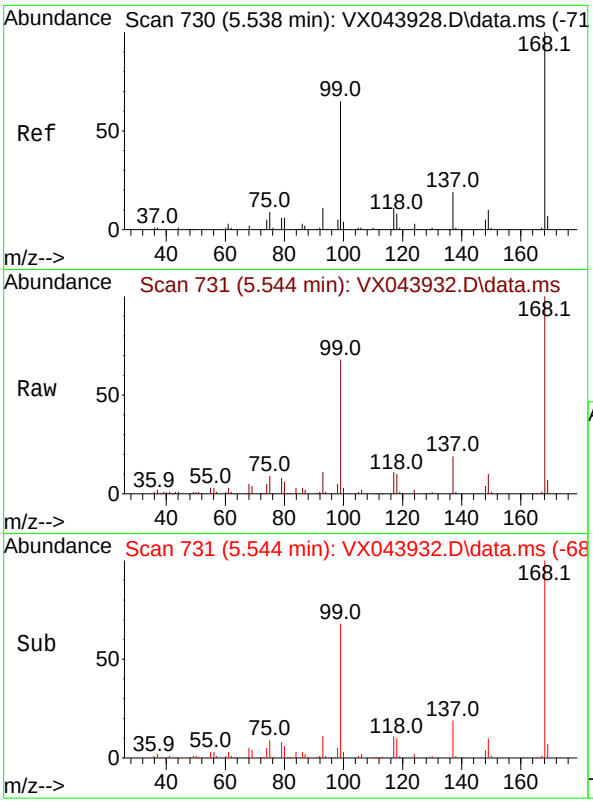
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



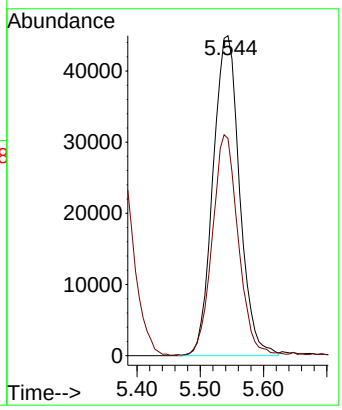


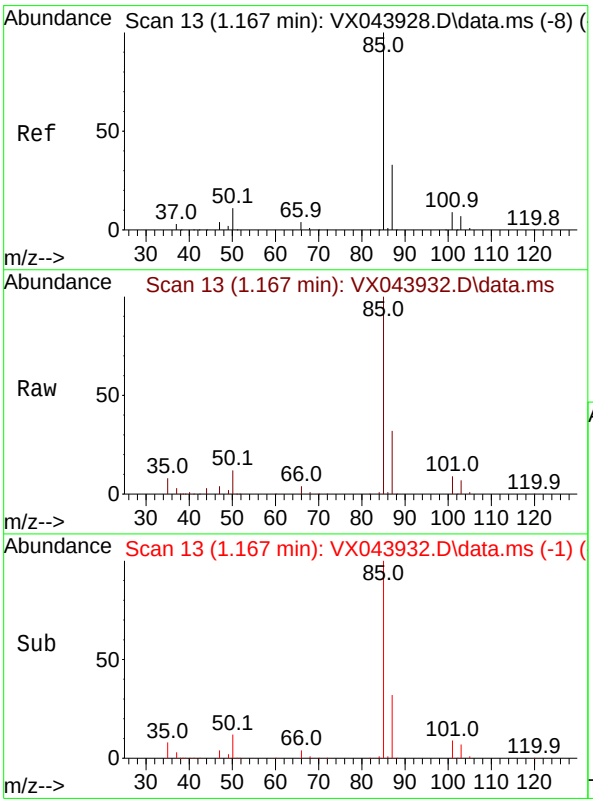
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:168 Resp: 131073

Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8

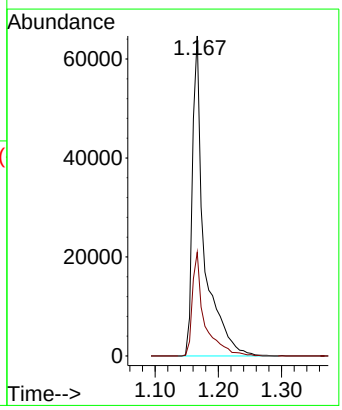


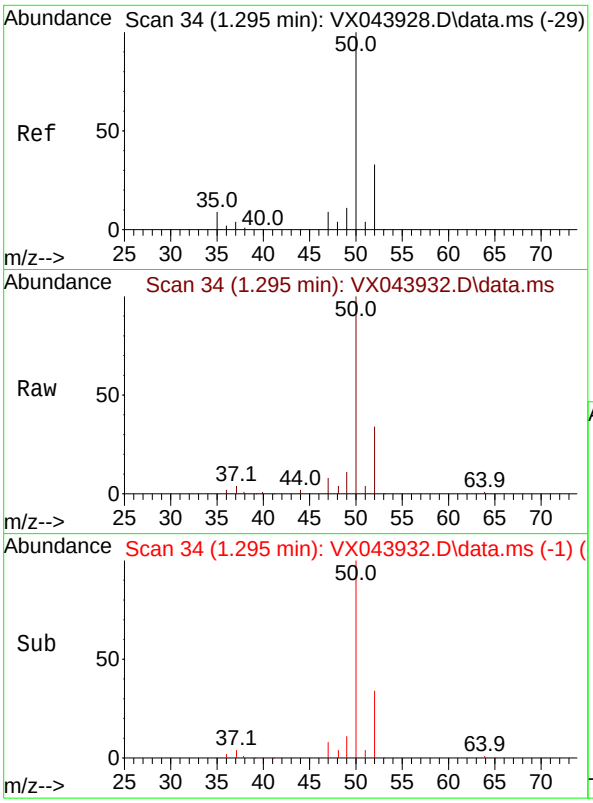


#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8



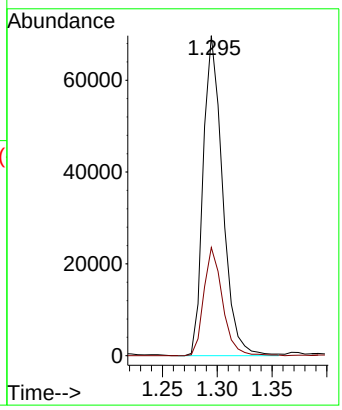


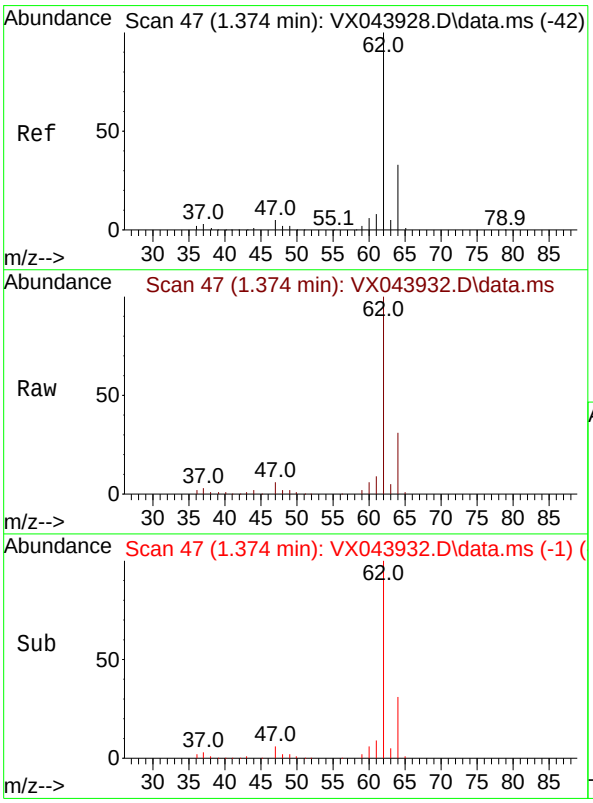
#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 50 Resp: 85795

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1

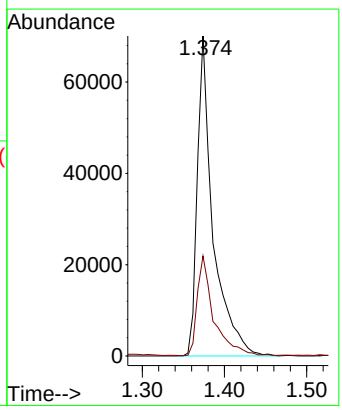


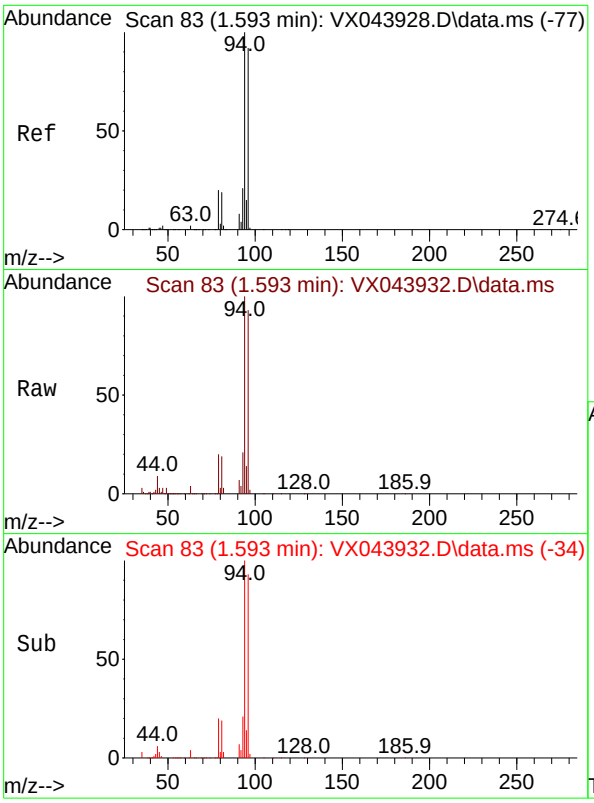


#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4



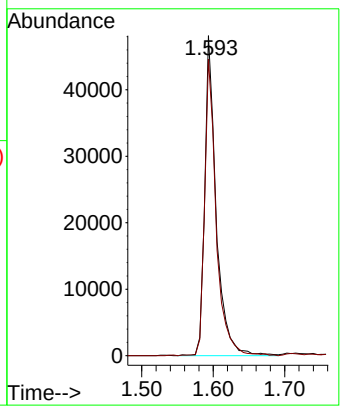


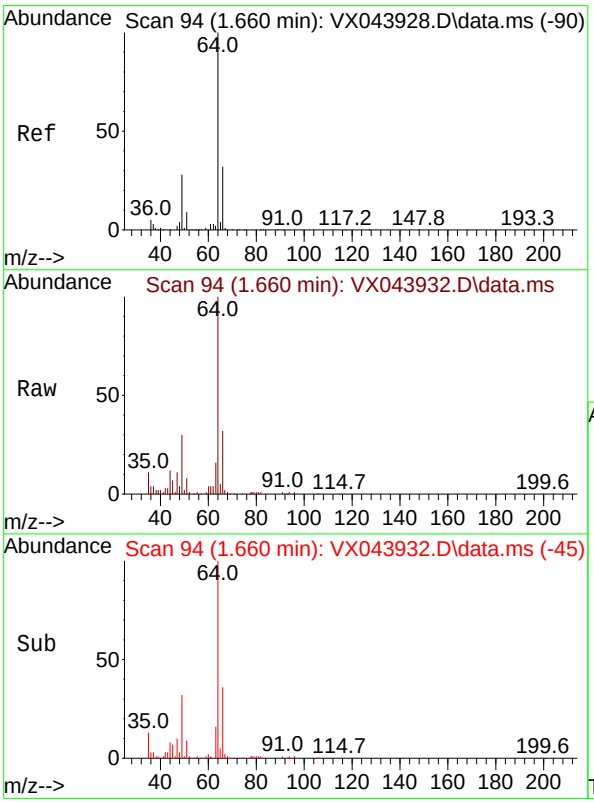
#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 94 Resp: 53783

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.9	110.9

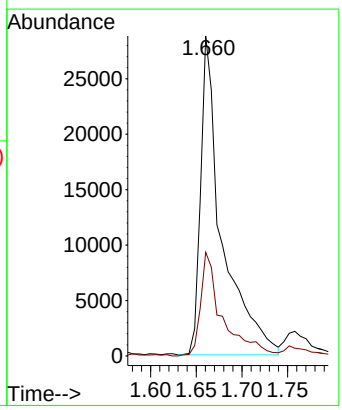


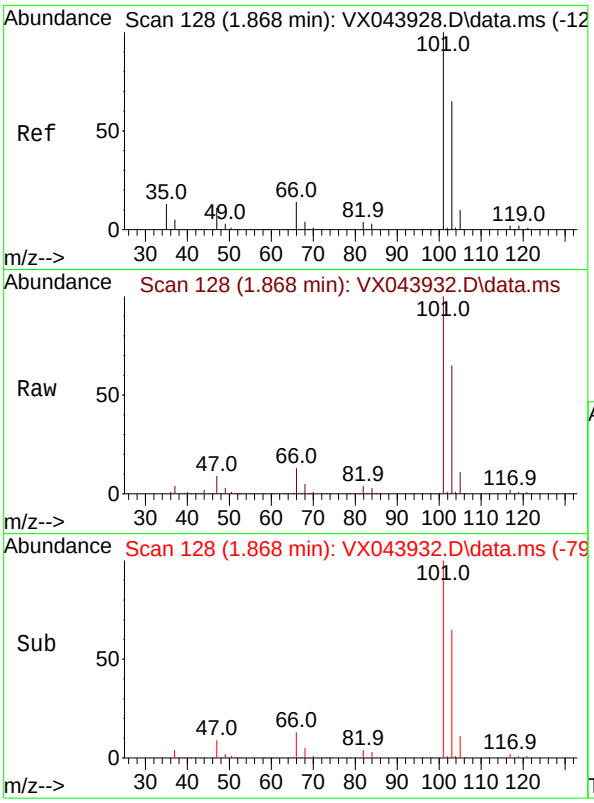


#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9



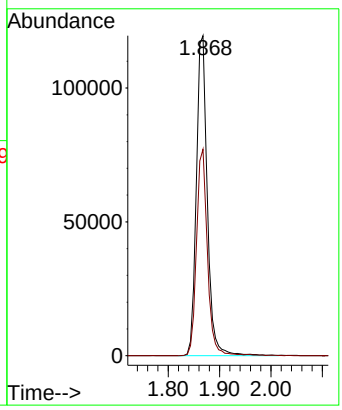


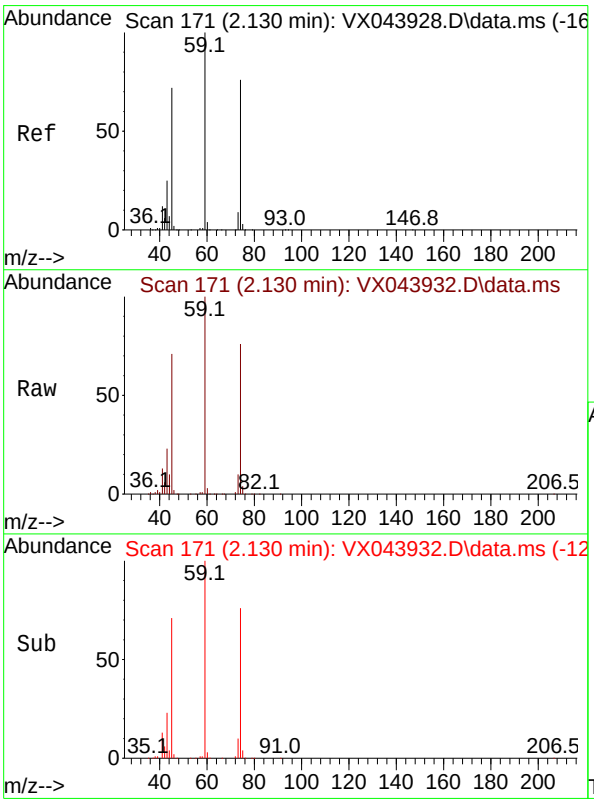
#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:101 Resp: 177461

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2

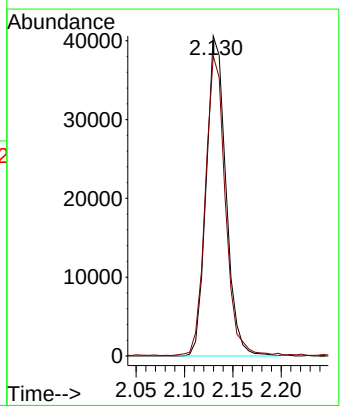


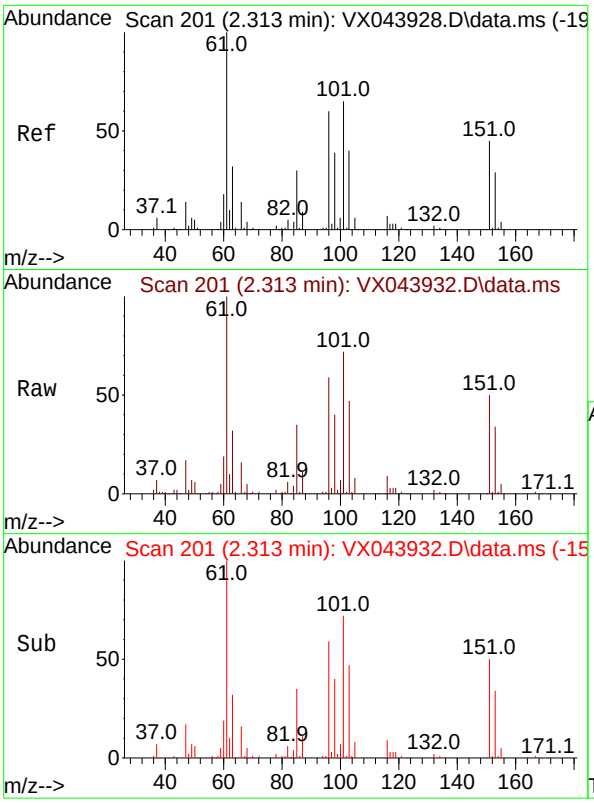


#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.9	143.6



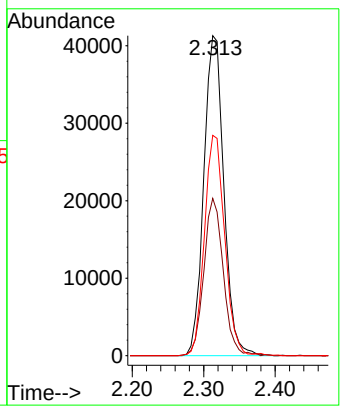


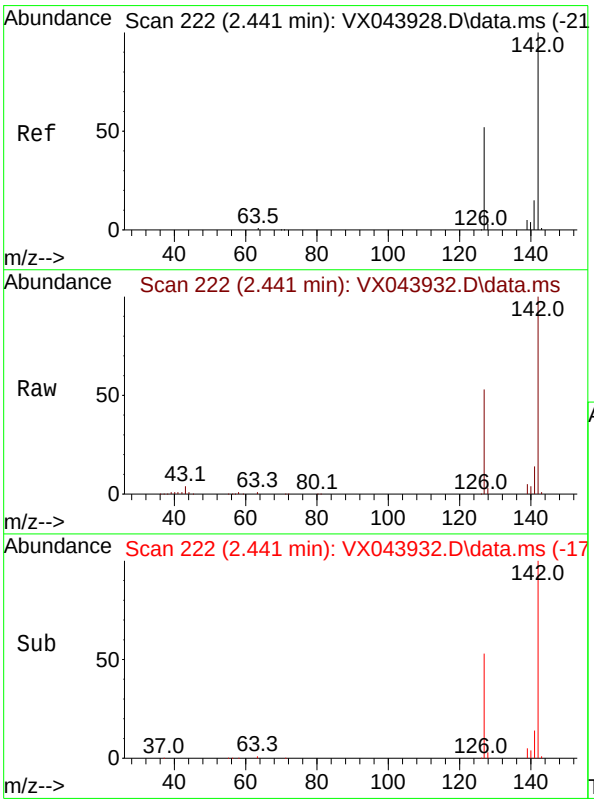
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:101 Resp: 80458

Ion	Ratio	Lower	Upper
101	100		
85	47.7	37.9	56.9
151	69.3	57.5	86.3

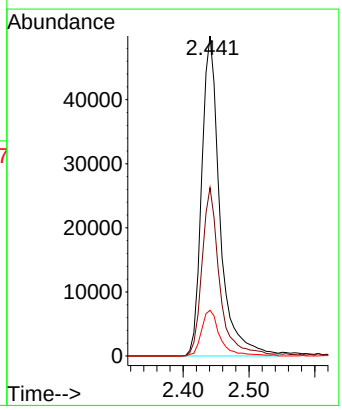


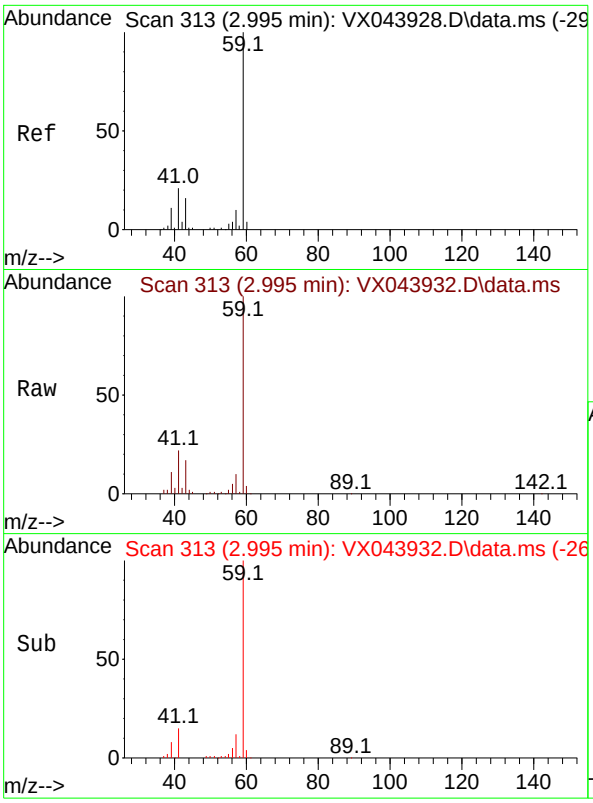


#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

Ion	Ratio	Lower	Upper
142	100		
127	50.9	40.7	61.1
141	14.6	12.0	18.0



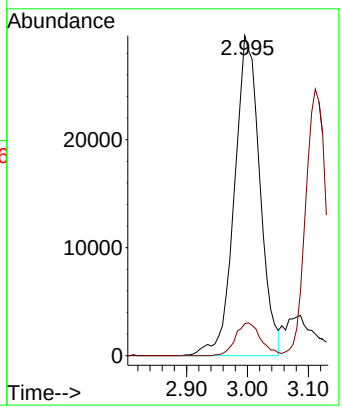


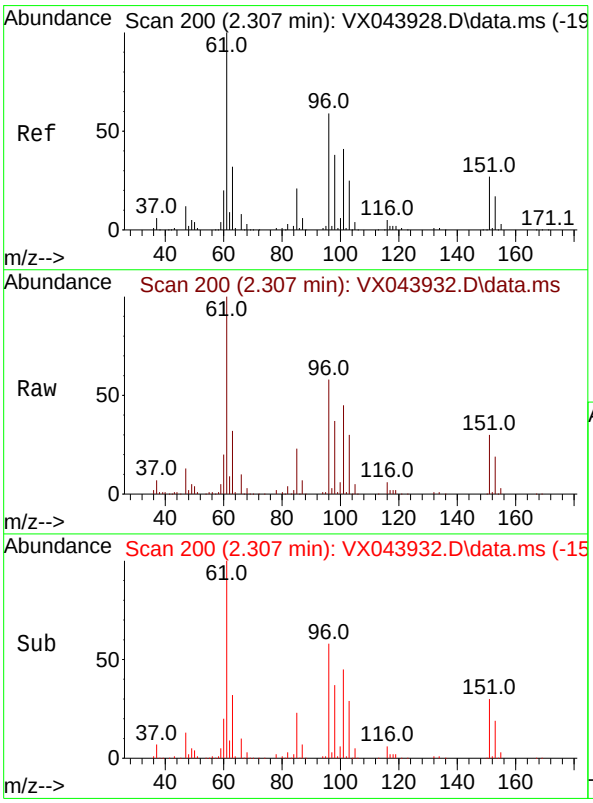
#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 59 Resp: 85927

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

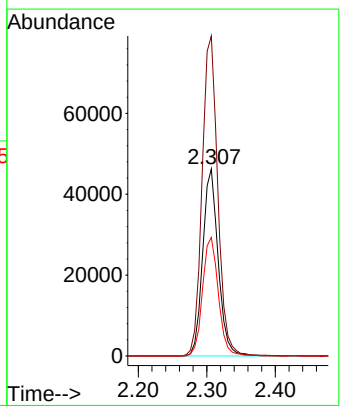


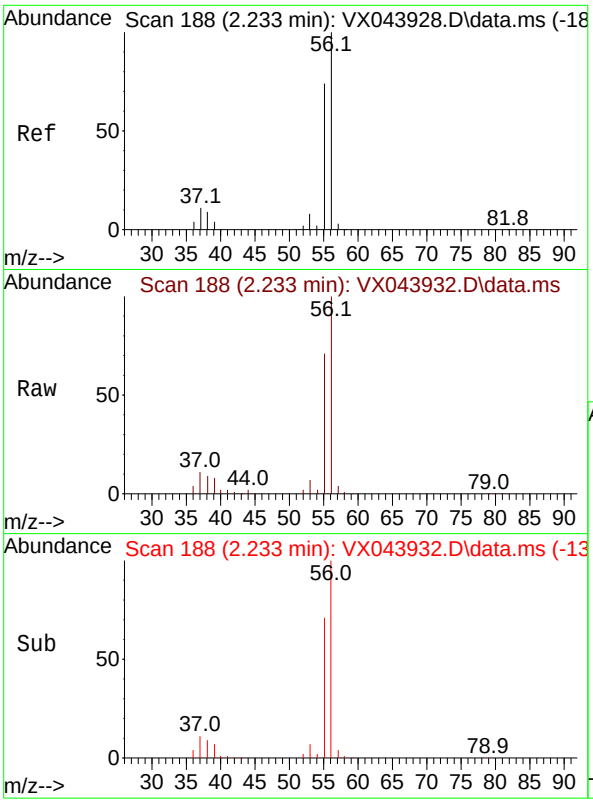


#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

Ion	Ratio	Lower	Upper
96	100		
61	171.1	135.5	203.3
98	63.4	50.8	76.2



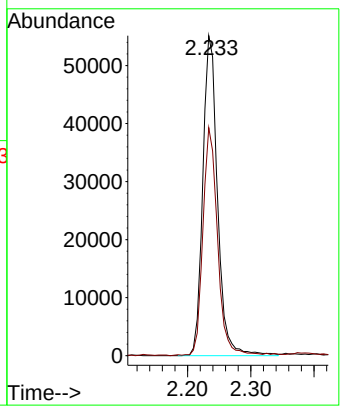


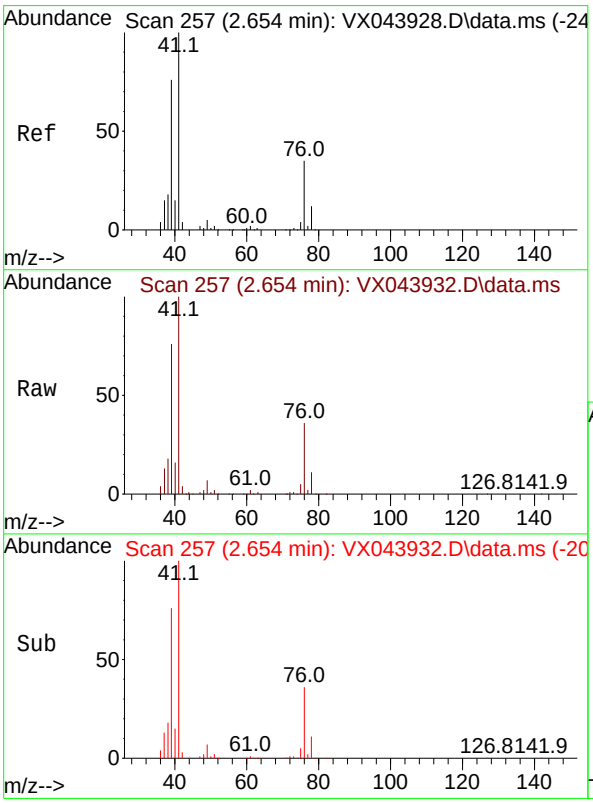
#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 56 Resp: 89571

Ion	Ratio	Lower	Upper
56	100		
55	70.9	58.2	87.2

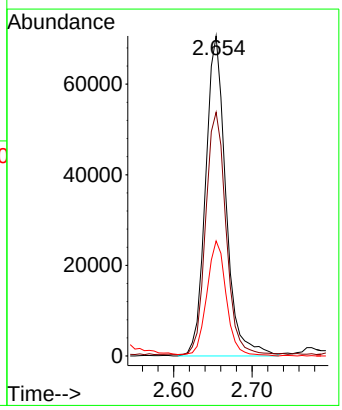


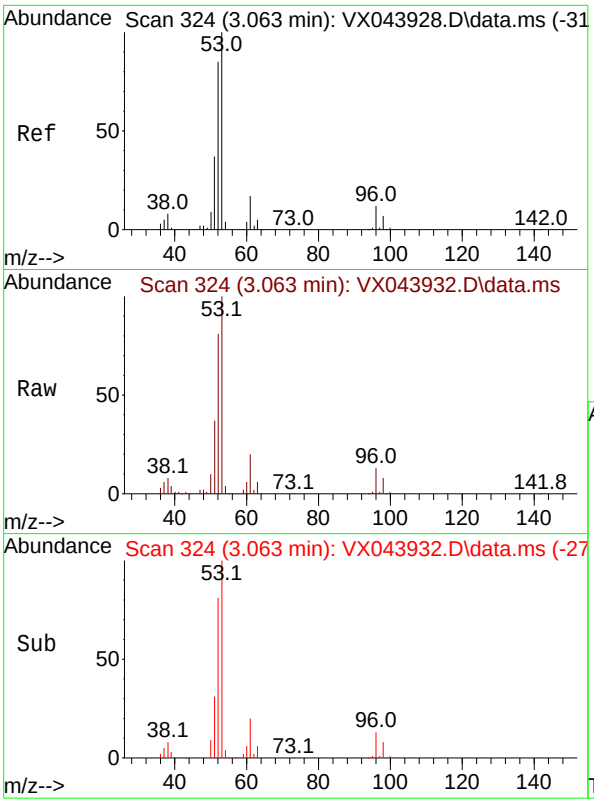


#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

Ion	Ratio	Lower	Upper
41	100		
39	75.3	59.5	89.3
76	34.5	27.4	41.2



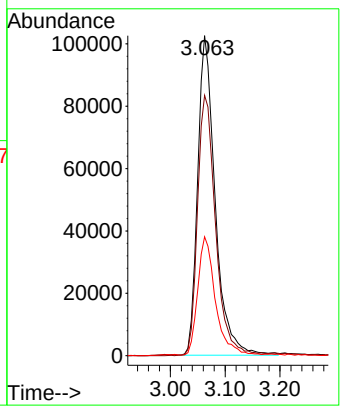


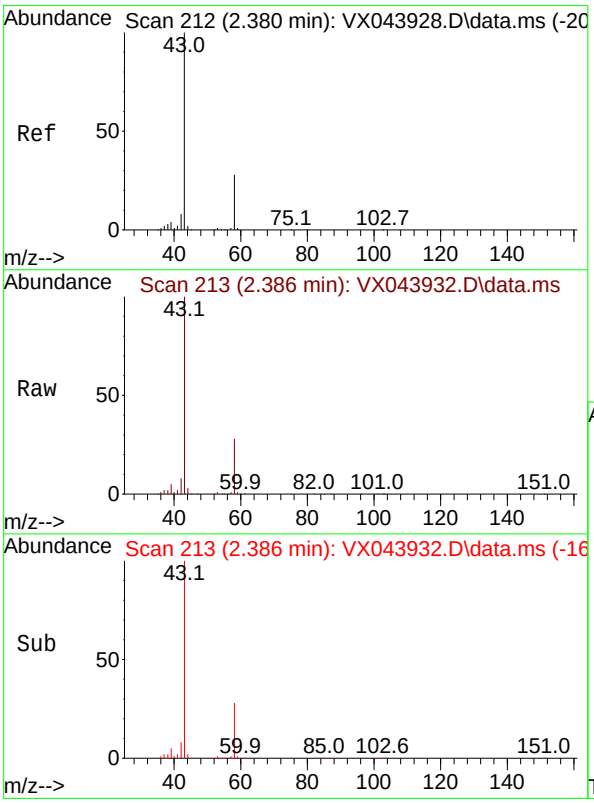
#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 53 Resp: 227832

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.2	30.2	45.4

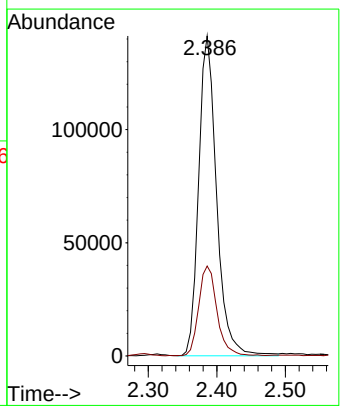


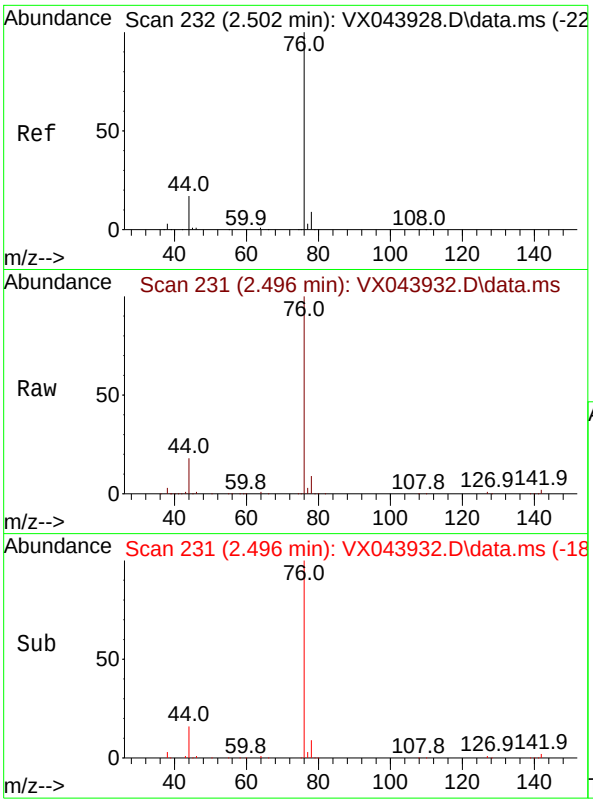


#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1



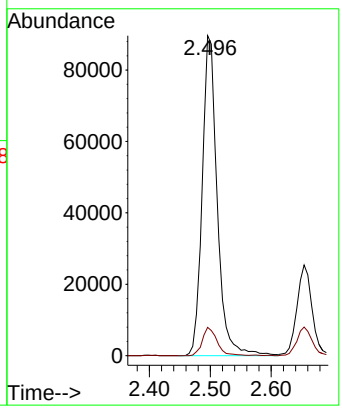


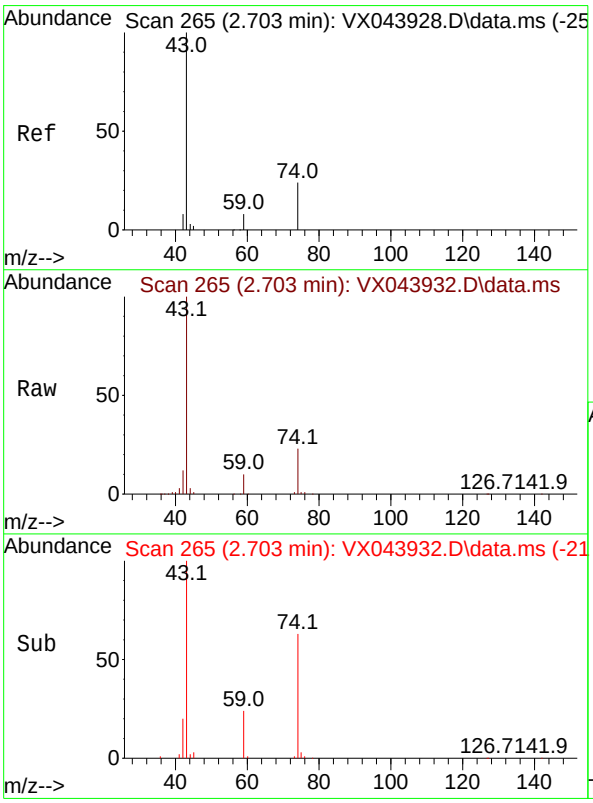
#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 76 Resp: 153826

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

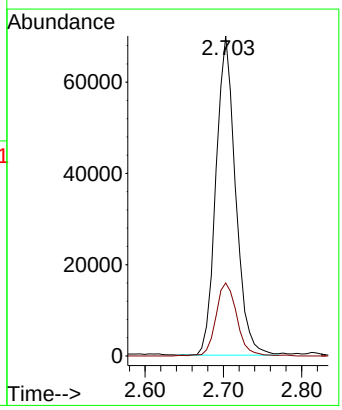


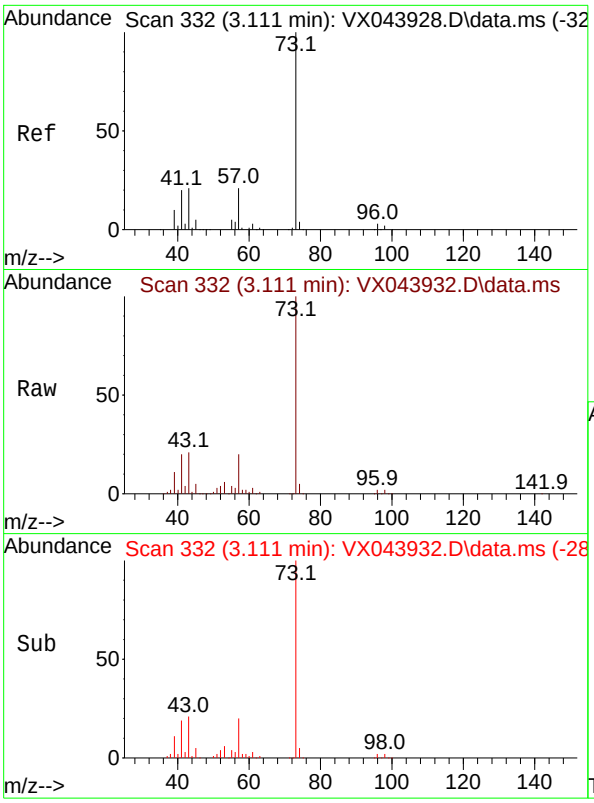


#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3



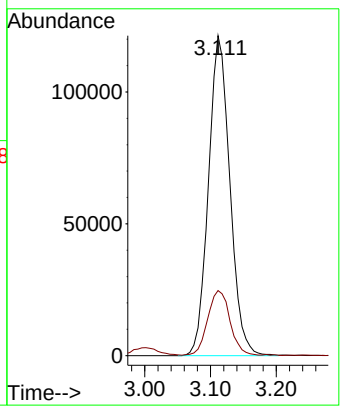


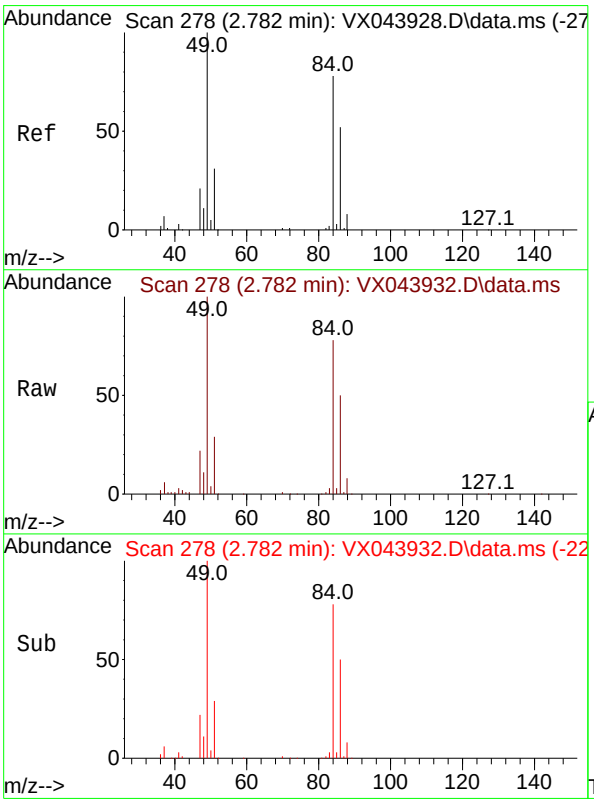
#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 73 Resp: 275221

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6

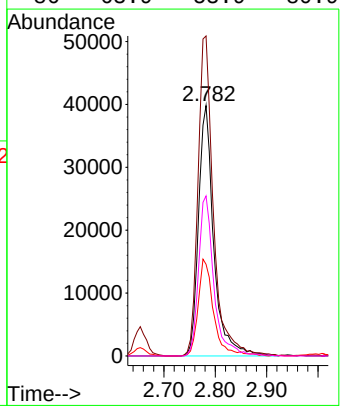


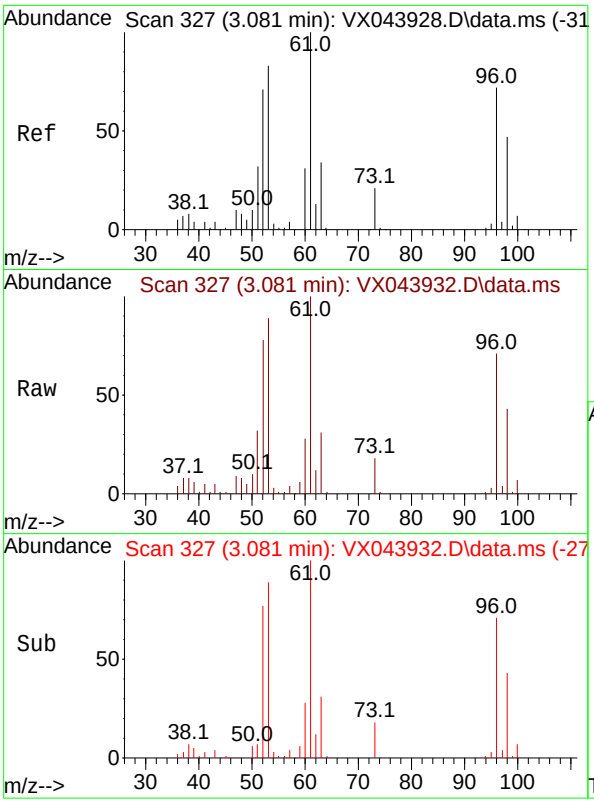


#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

Ion	Ratio	Lower	Upper
84	100		
49	127.8	102.7	154.1
51	36.6	31.7	47.5
86	63.9	53.9	80.9



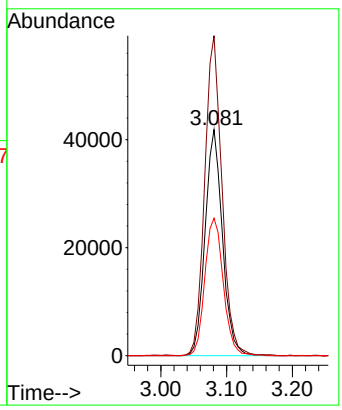


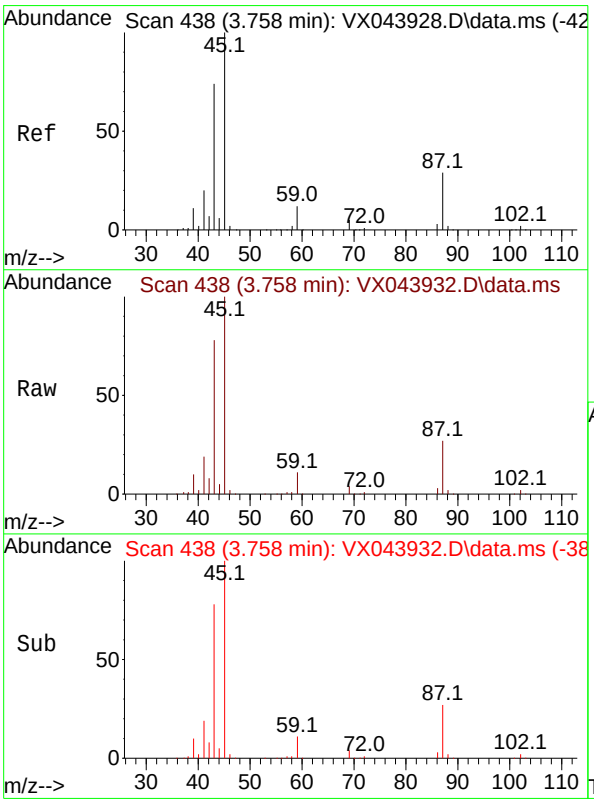
#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 96 Resp: 76687

Ion	Ratio	Lower	Upper
96	100		
61	141.5	111.8	167.6
98	60.8	52.7	79.1

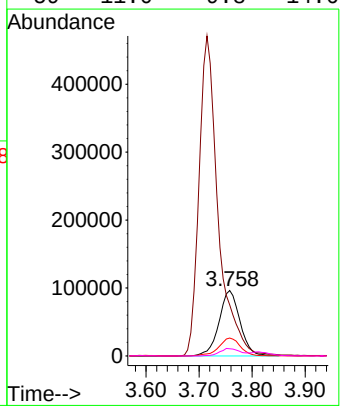


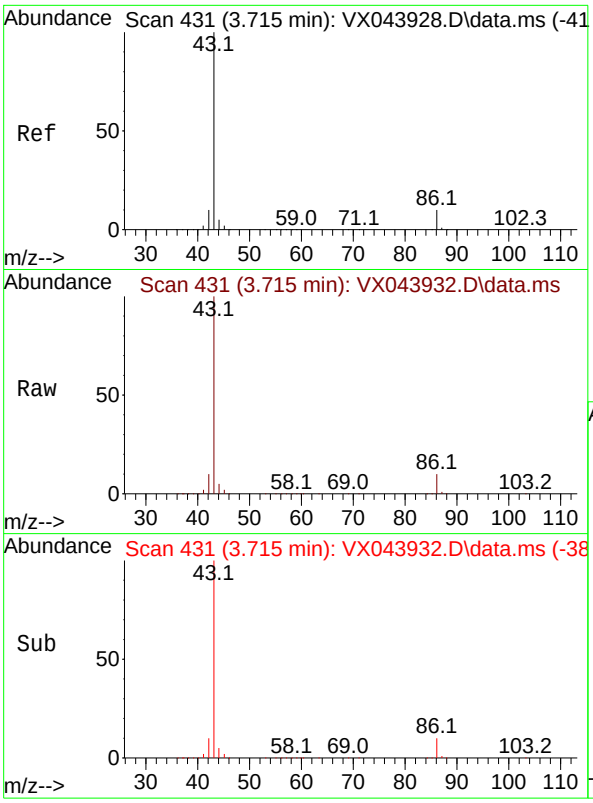


#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

Ion	Ratio	Lower	Upper
45	100		
43	78.0	59.6	89.4
87	27.4	22.9	34.3
59	11.0	9.8	14.6



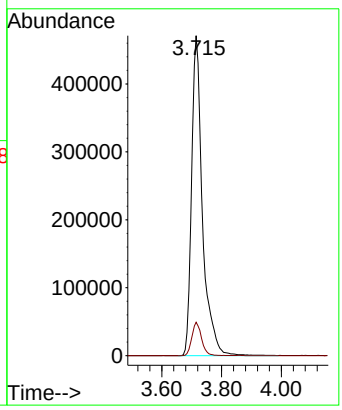


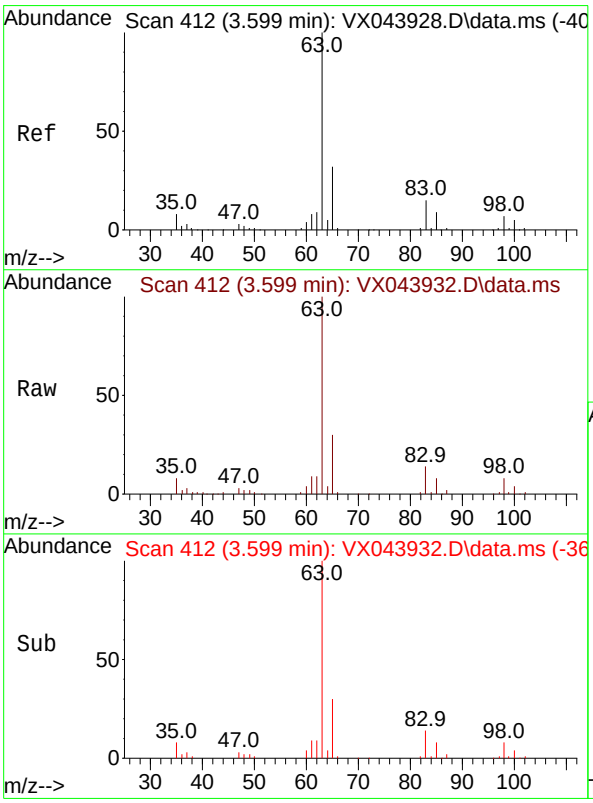
#23
Vinyl Acetate
Concen: 263.441 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 1189244

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

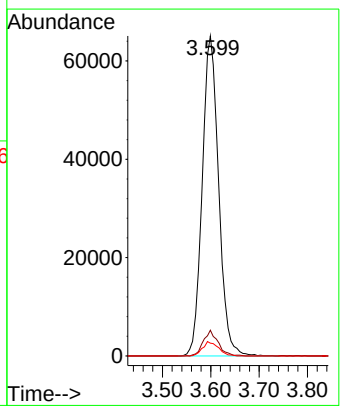


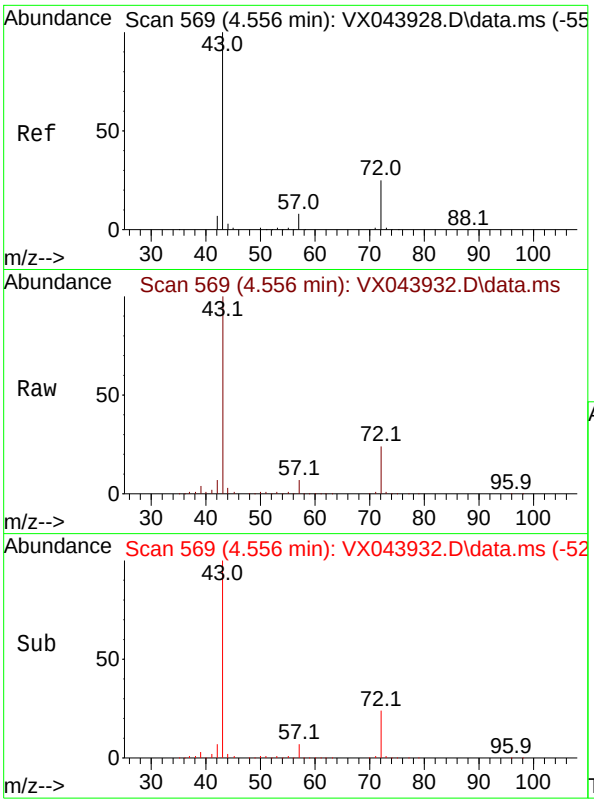


#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.6
100	4.0	2.4	7.1



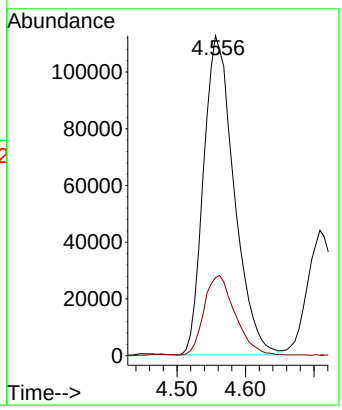


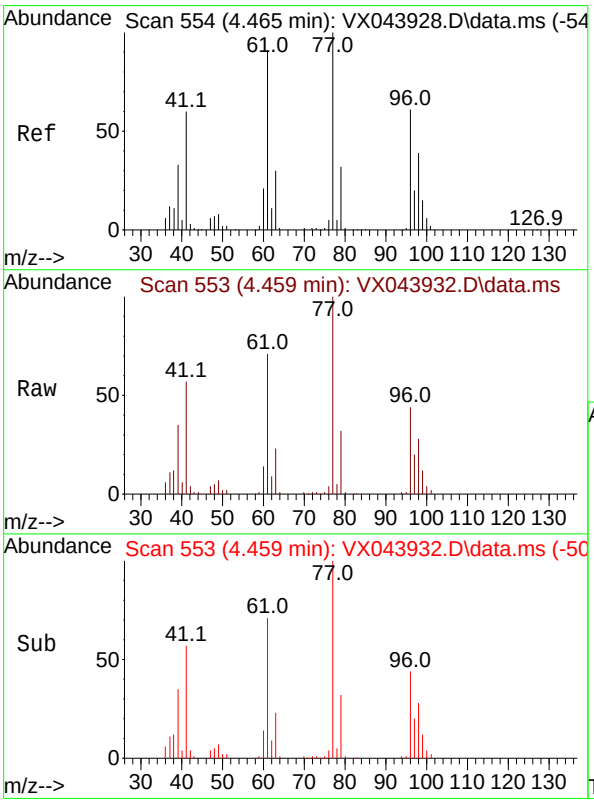
#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 348803

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.2	30.2

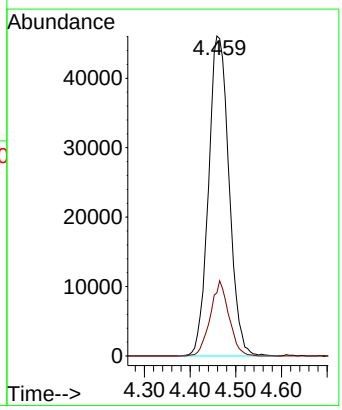


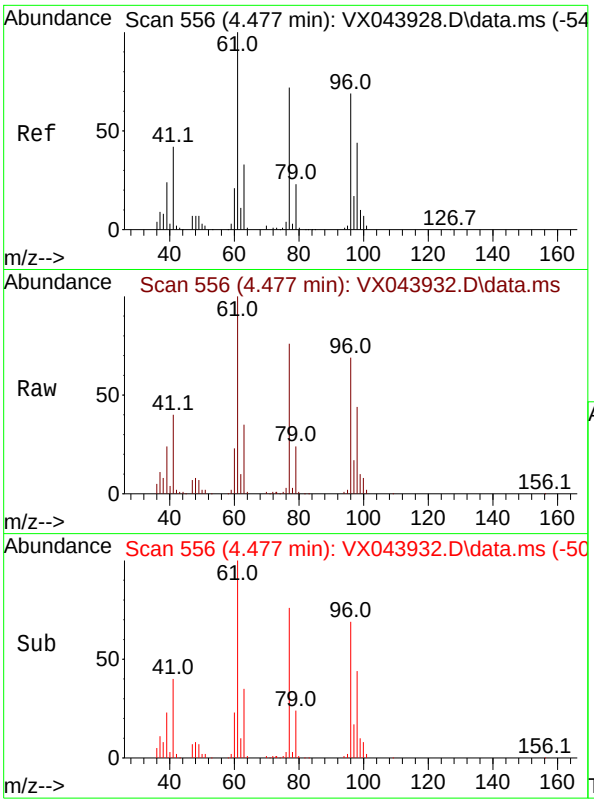


#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3



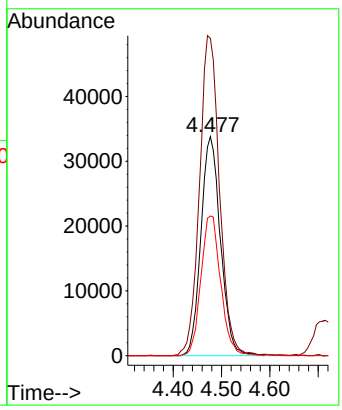


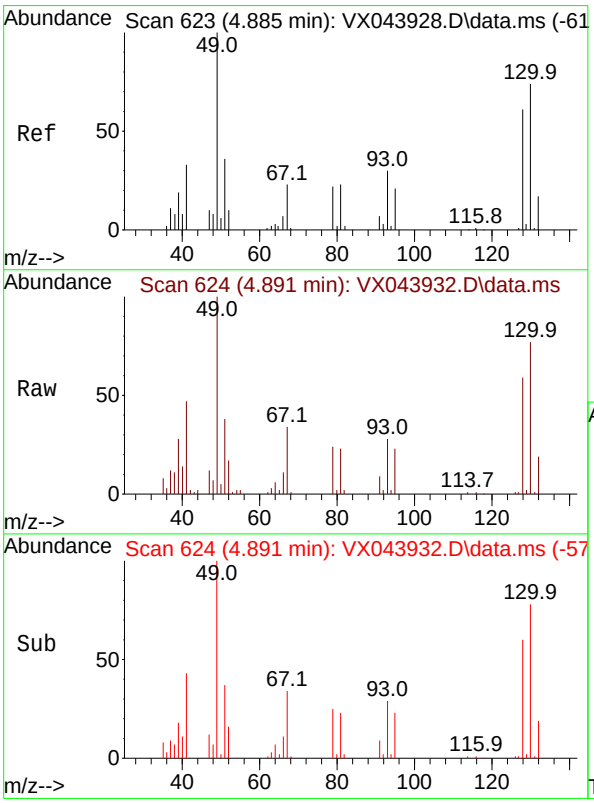
#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 96 Resp: 95076

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	297.4
98	64.3	0.0	127.8

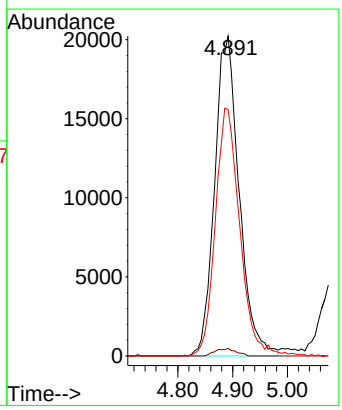


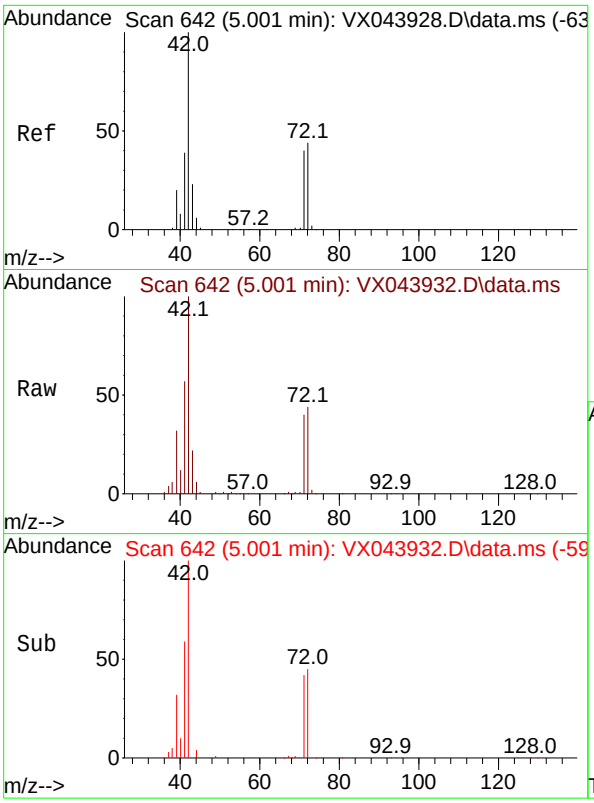


#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	77.3	59.0	88.6



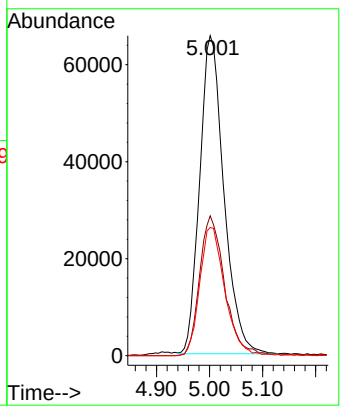


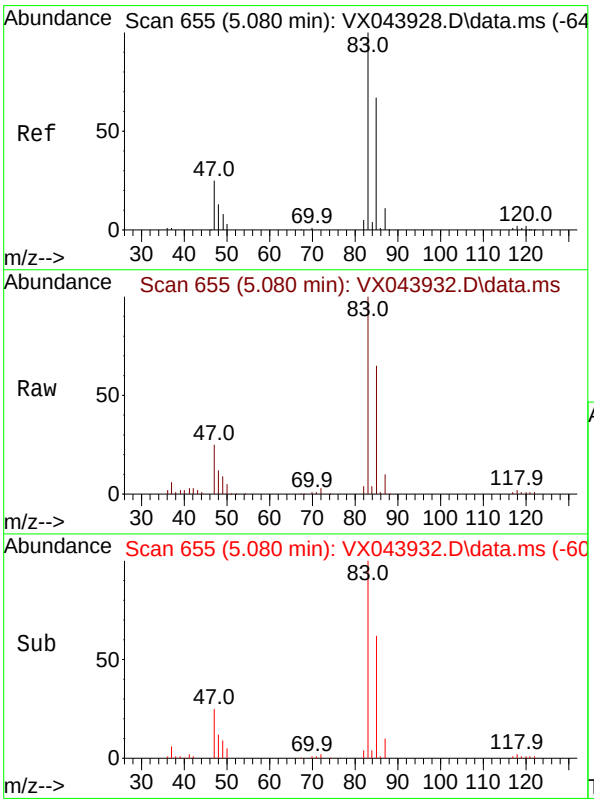
#29
Tetrahydrofuran
Concen: 254.585 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 42 Resp: 207942

Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.4	54.6
71	42.0	33.4	50.0

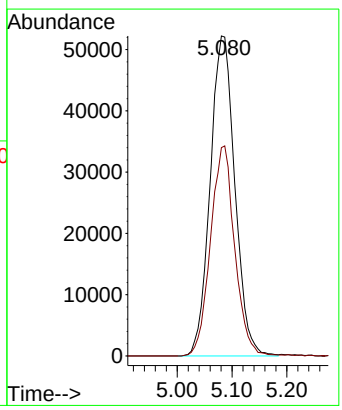


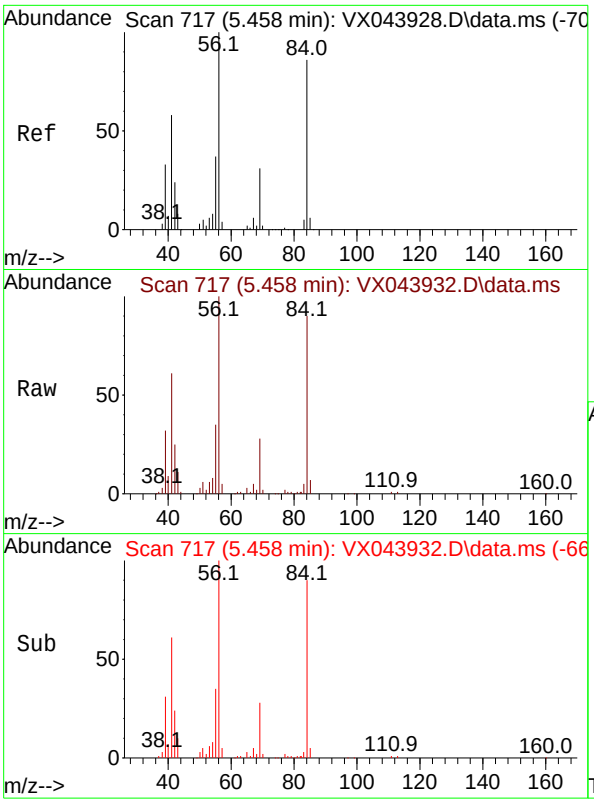


#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.5	80.3



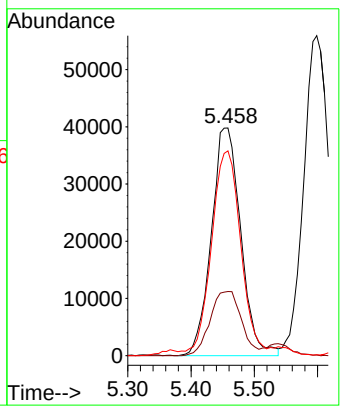


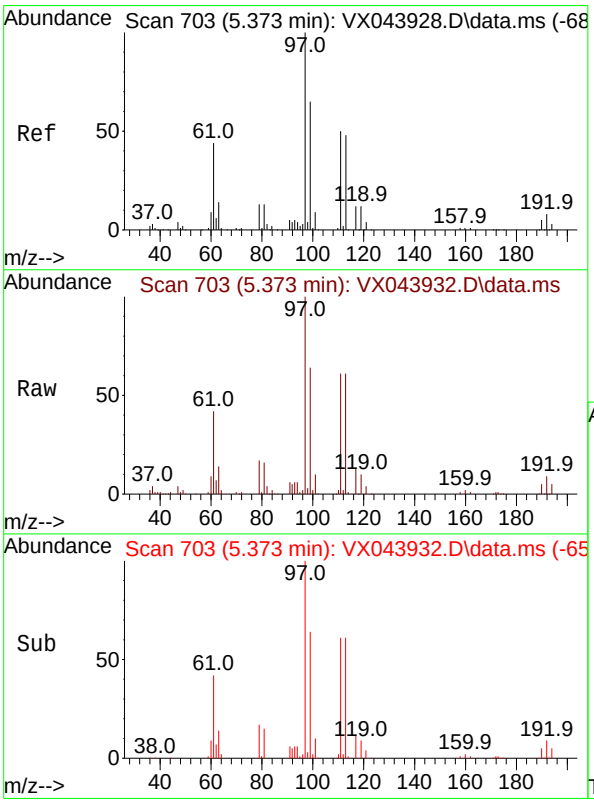
#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 56 Resp: 128482

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	88.1	68.7	103.1

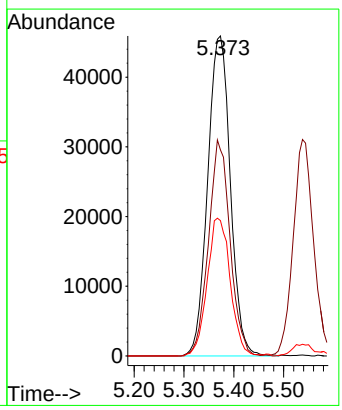


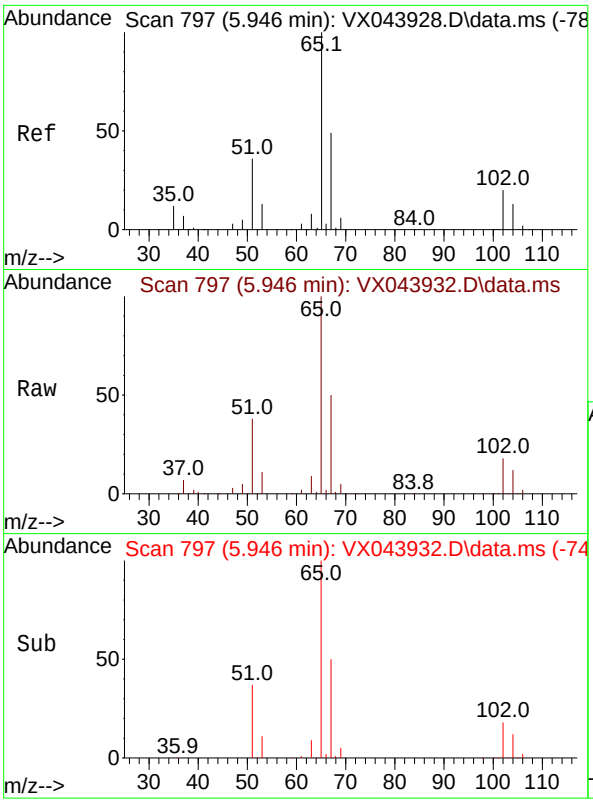


#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	43.8	35.4	53.2



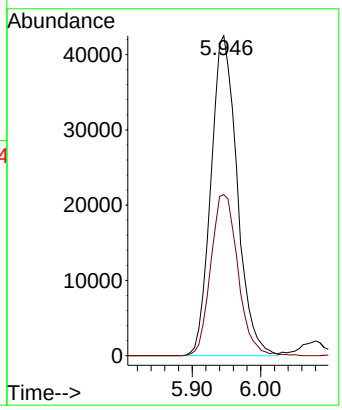


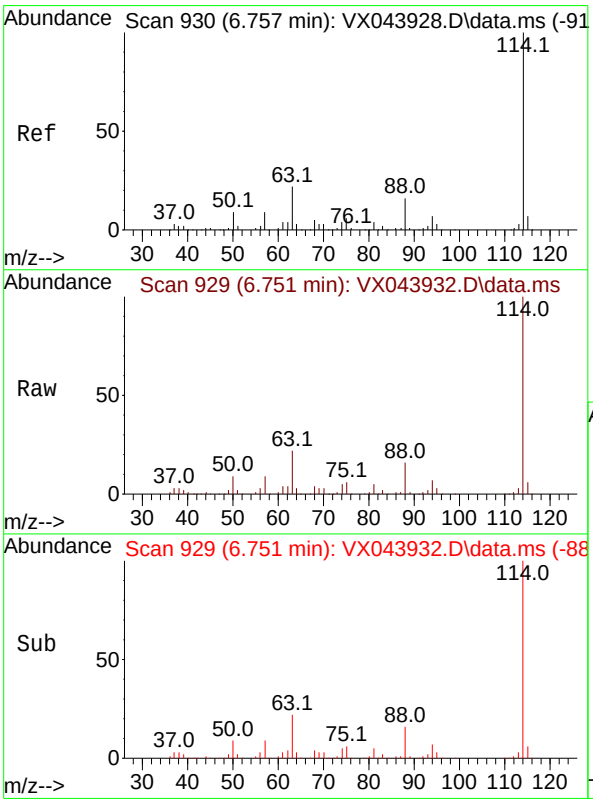
#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 65 Resp: 112818

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.8

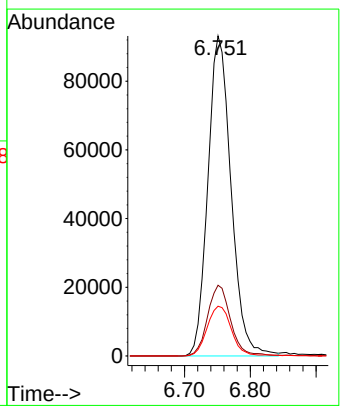


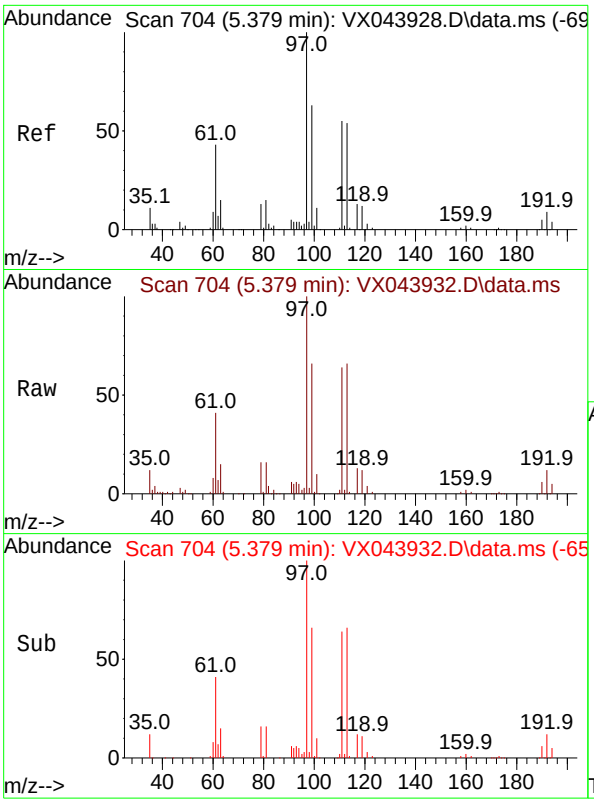


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	15.6	0.0	32.4



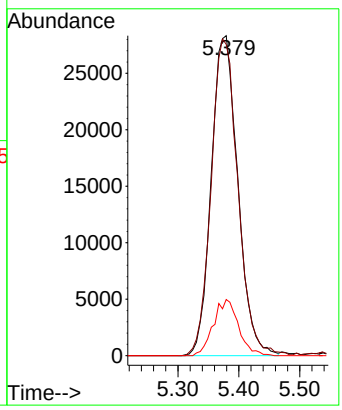


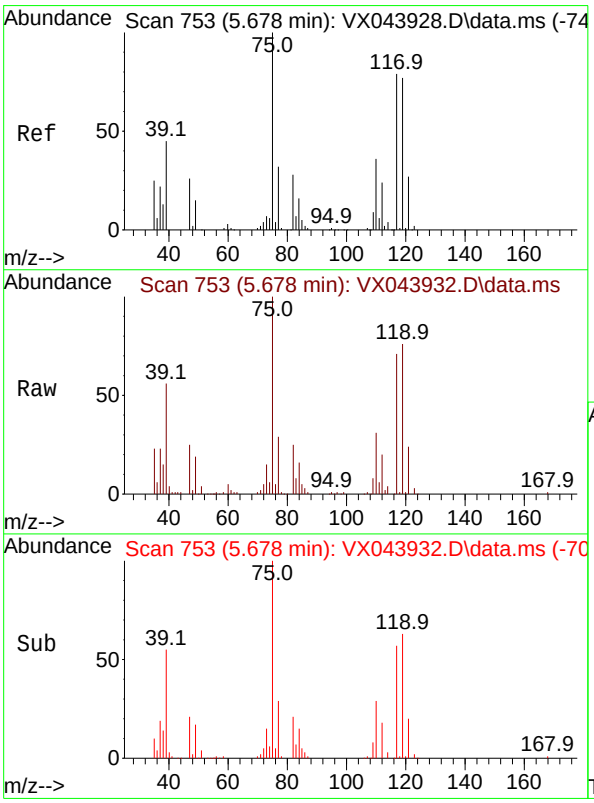
#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:113 Resp: 85815

Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.0	121.4
192	16.6	13.0	19.6

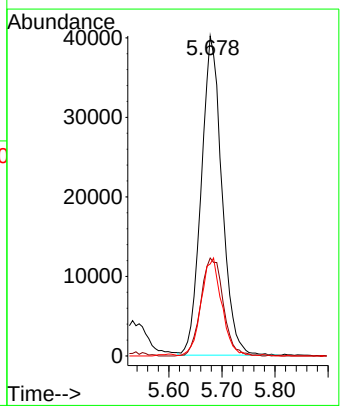


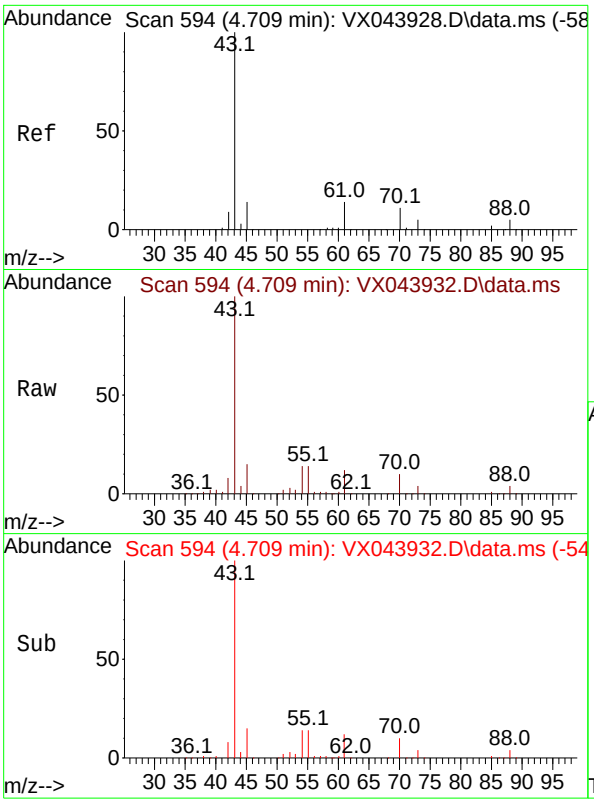


#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.4	52.2
77	30.3	25.8	38.8



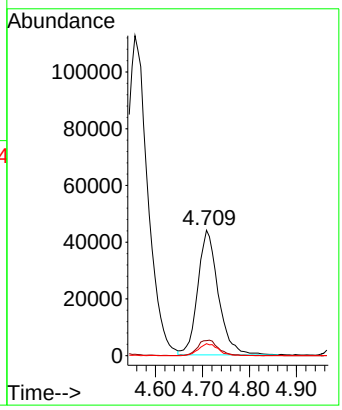


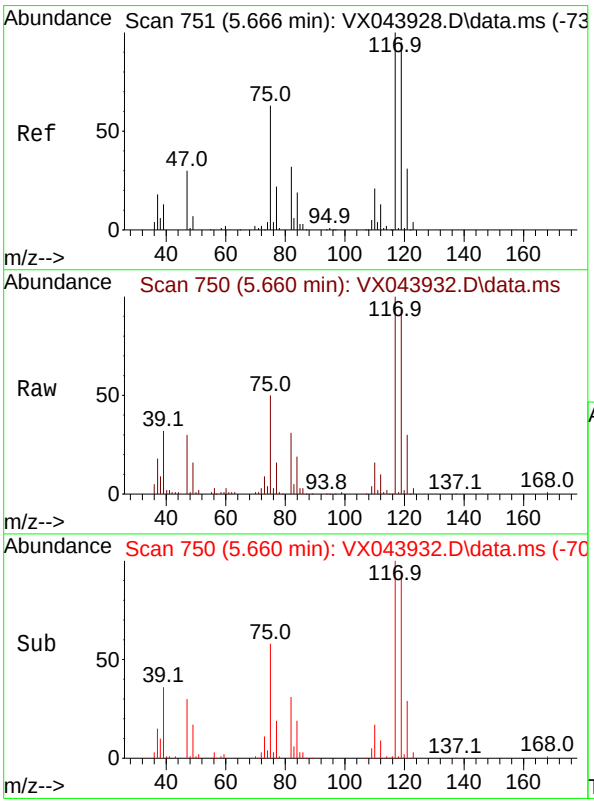
#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 133283

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	9.3	8.0	12.0

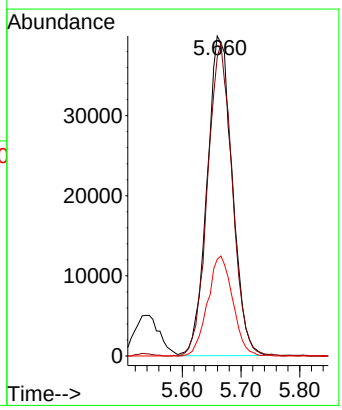


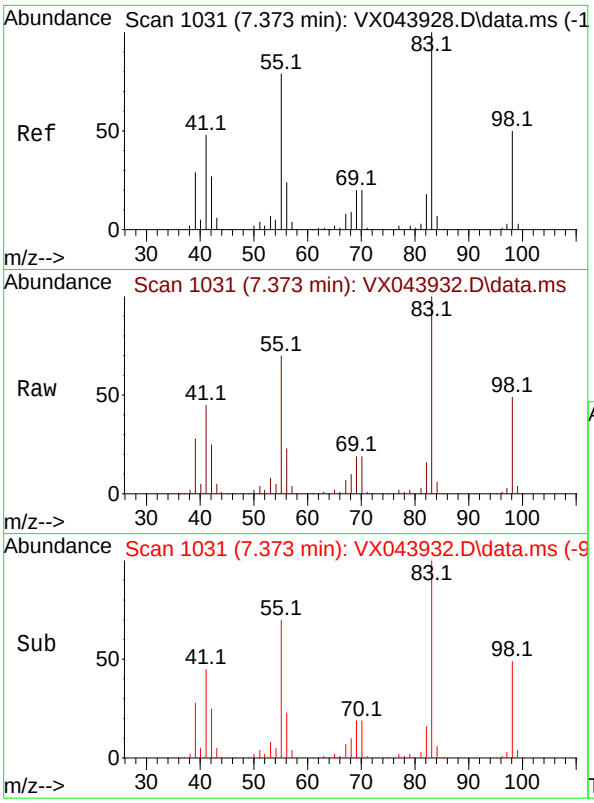


#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.2	112.8
121	30.3	24.5	36.7



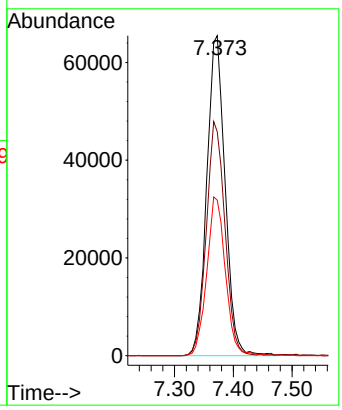


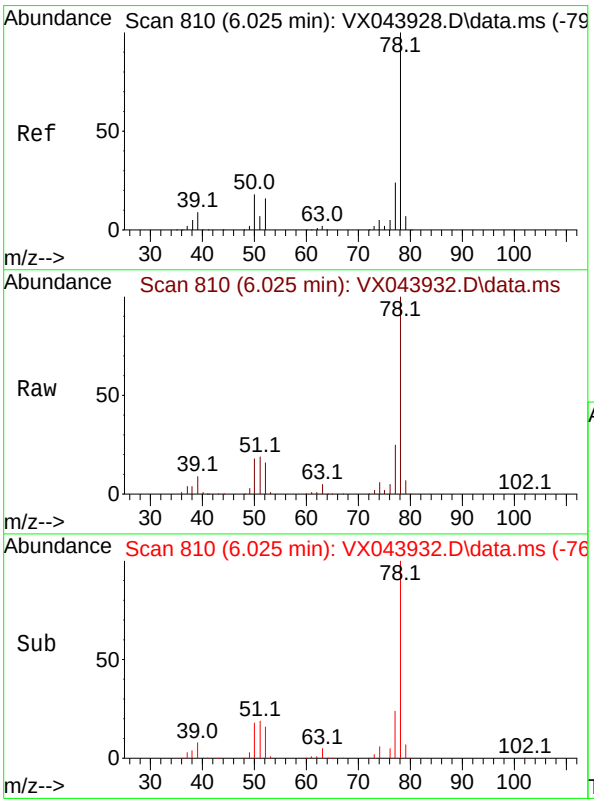
#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 83 Resp: 141696

Ion	Ratio	Lower	Upper
83	100		
55	70.0	63.1	94.7
98	48.6	40.0	60.0

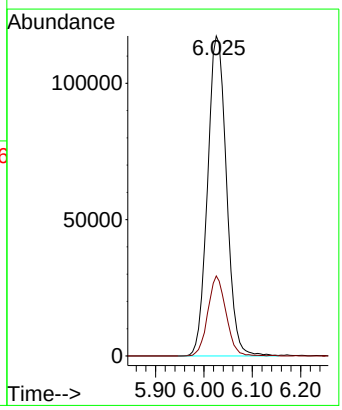


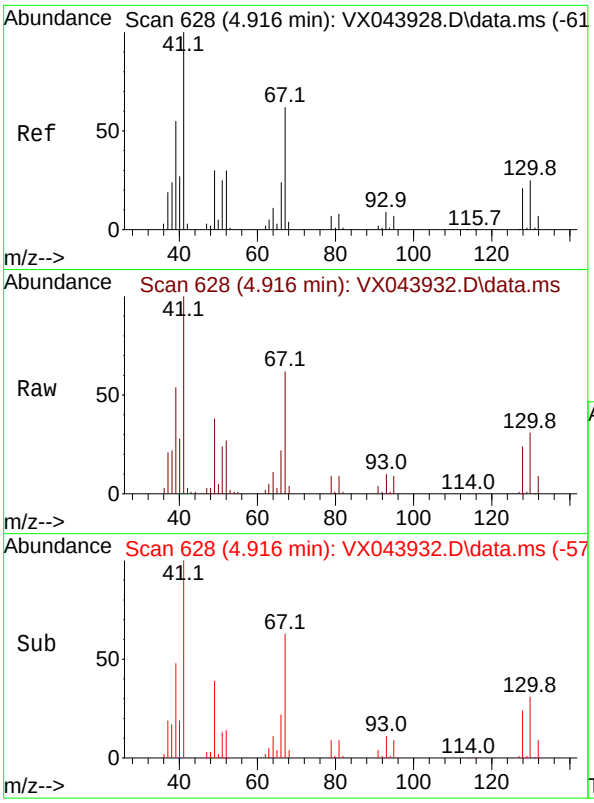


#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



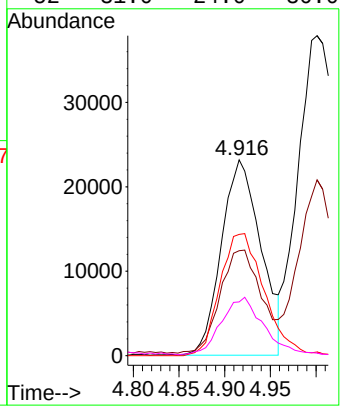


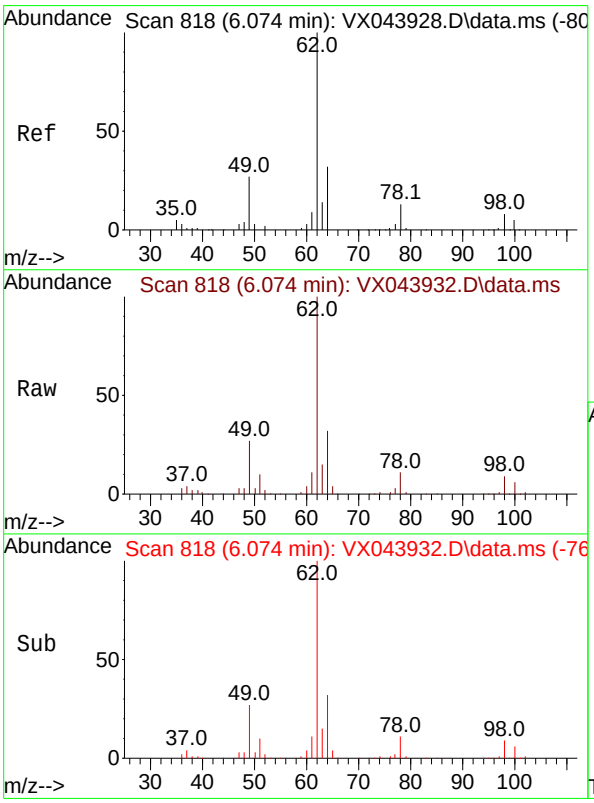
#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 41 Resp: 69766

Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.7	62.5
67	70.1	55.8	83.8
52	31.0	24.0	36.0

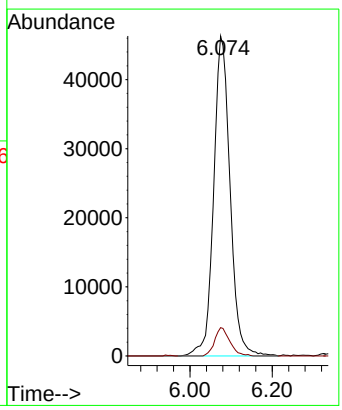


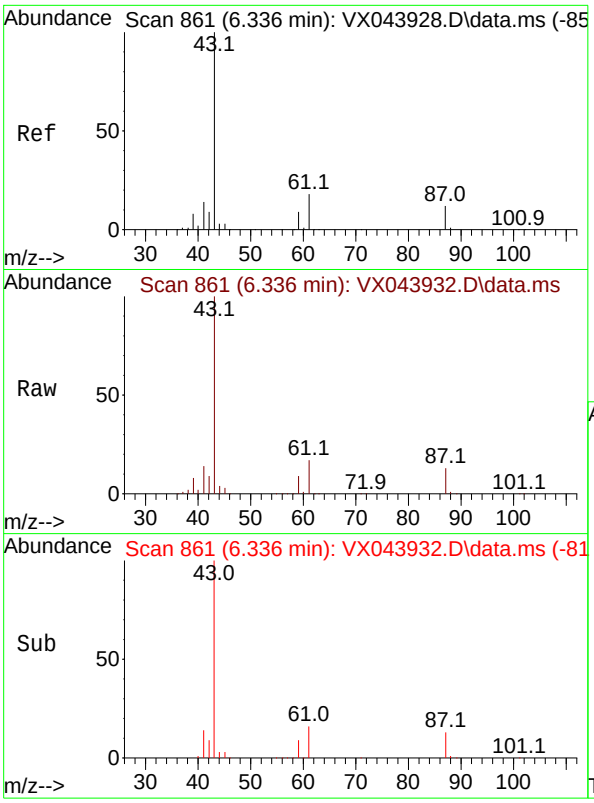


#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



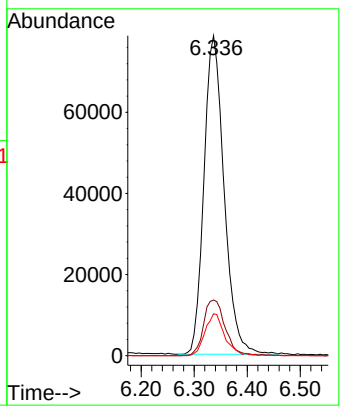


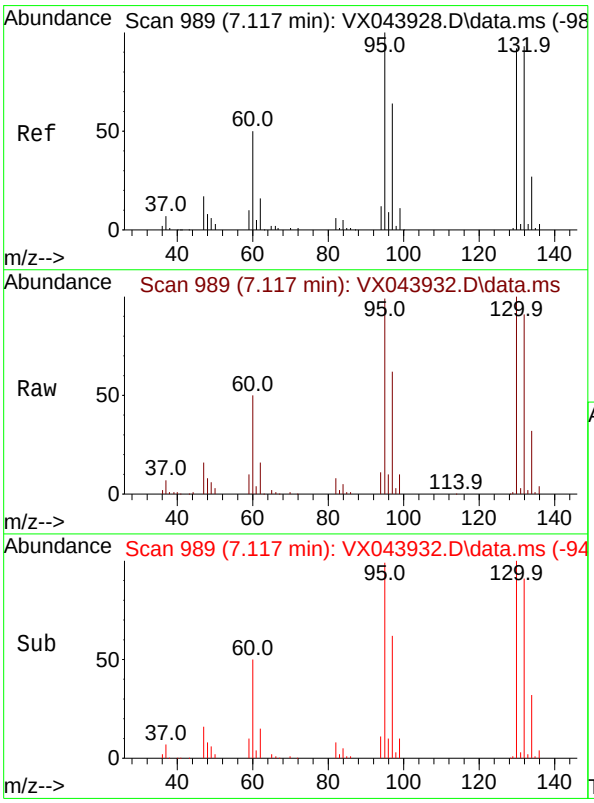
#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 207332

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.5	21.7
87	12.9	10.2	15.2

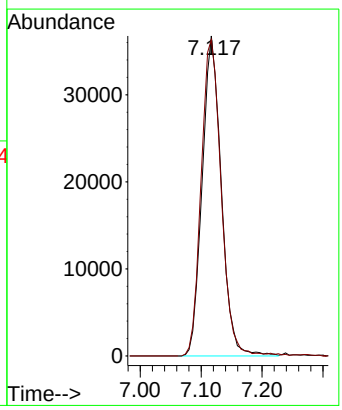


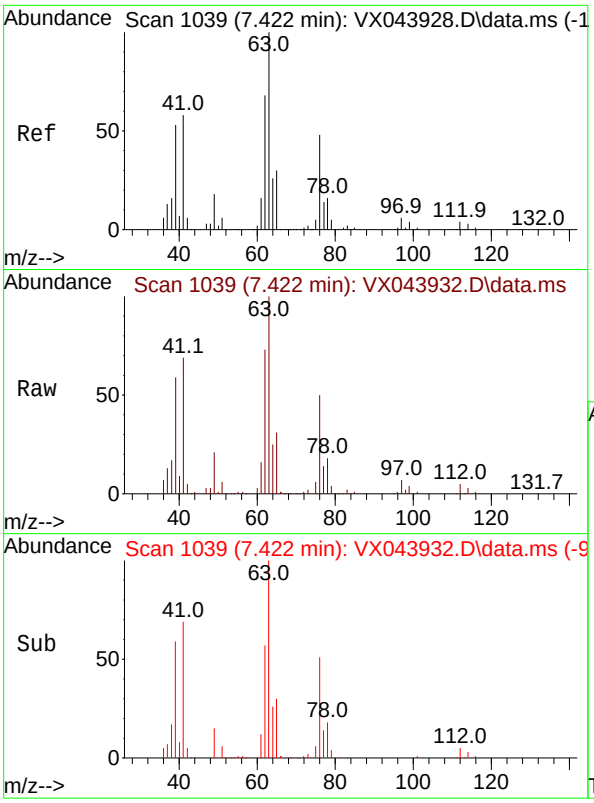


#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	217.8



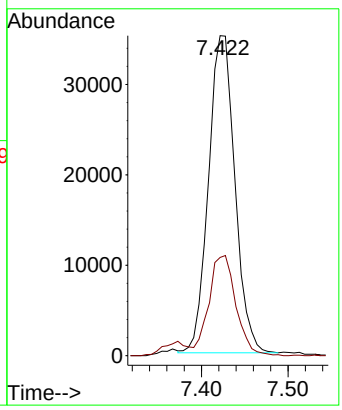


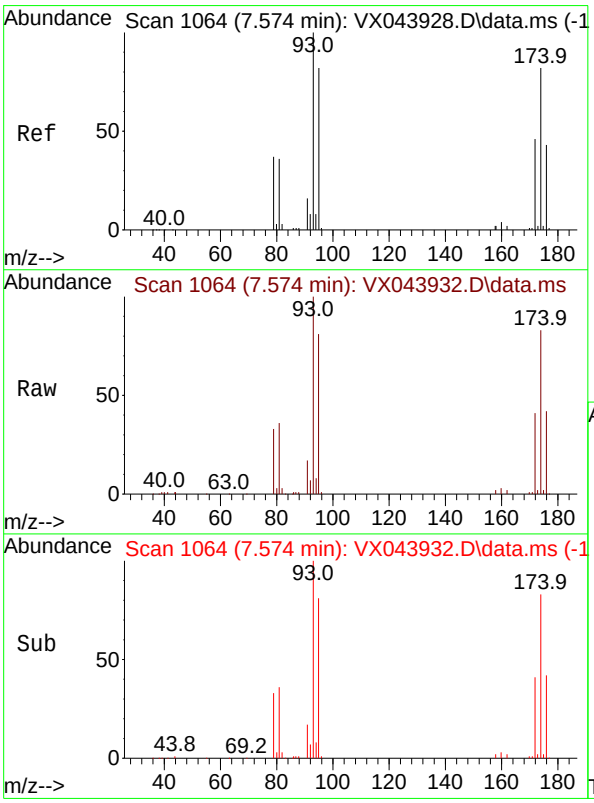
#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 63 Resp: 74380

Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.8	35.6

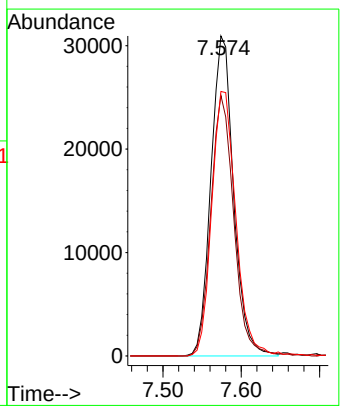


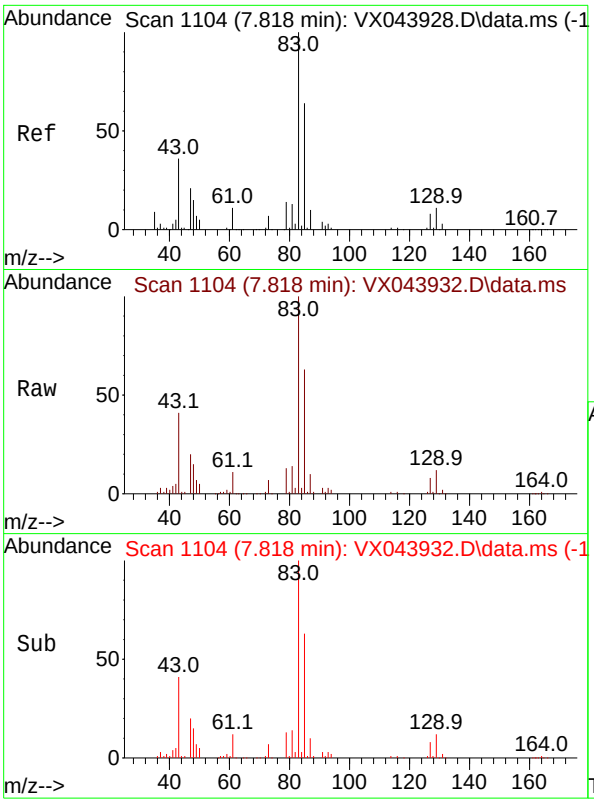


#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.2	69.6	104.4



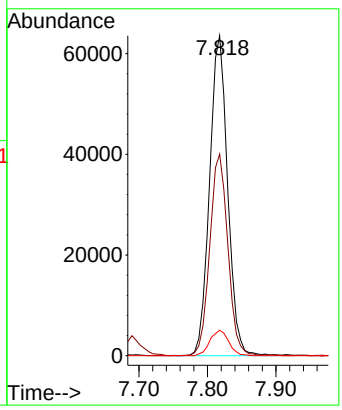


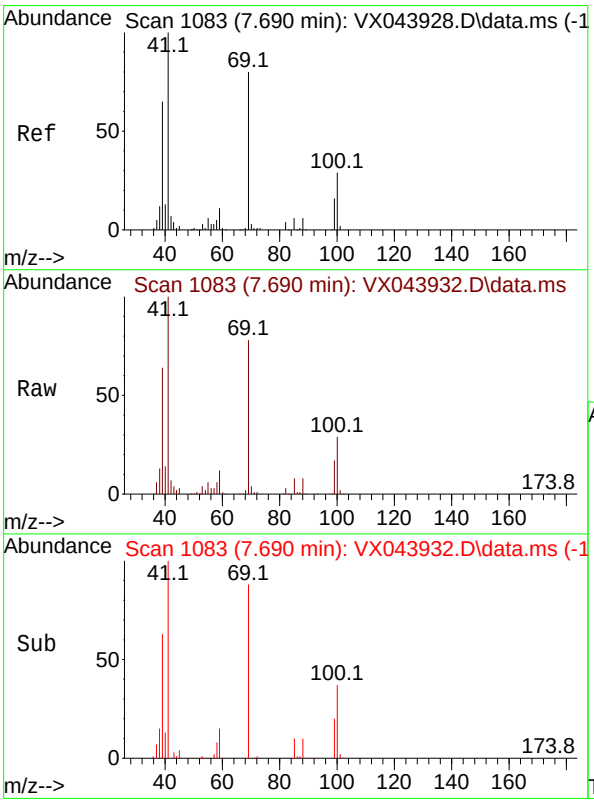
#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 83 Resp: 116199

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	8.0	6.6	10.0

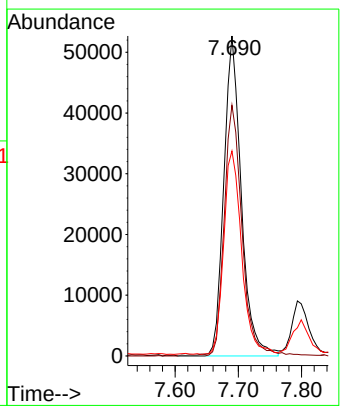


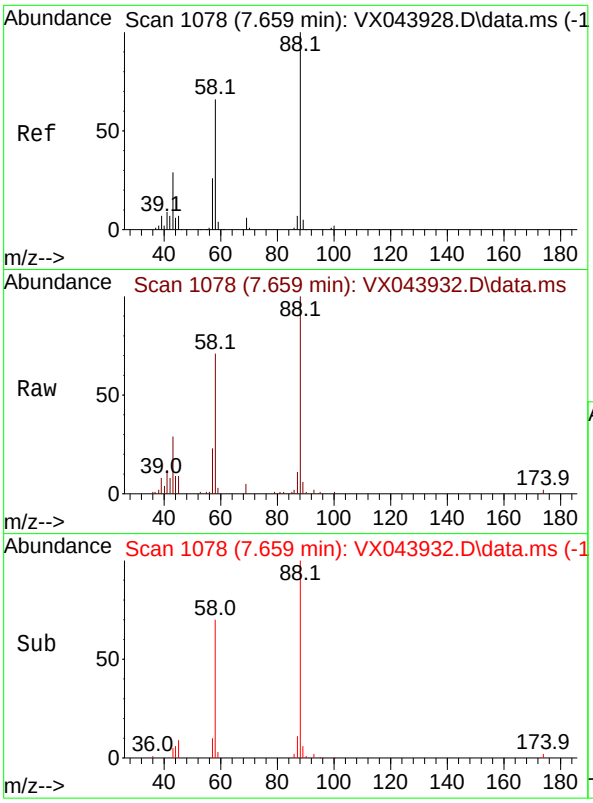


#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	65.2	53.3	79.9



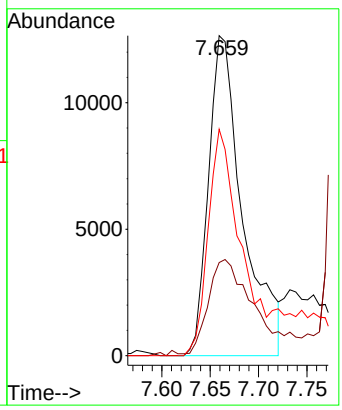


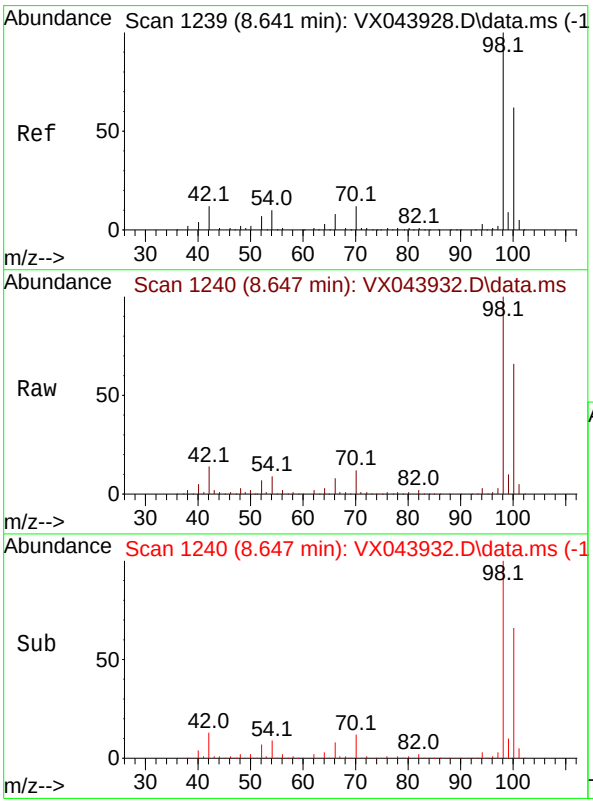
#49
1,4-Dioxane
Concen: 905.506 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 88 Resp: 31178

Ion	Ratio	Lower	Upper
88	100		
43	39.9	26.8	40.2
58	68.3	45.4	68.2#

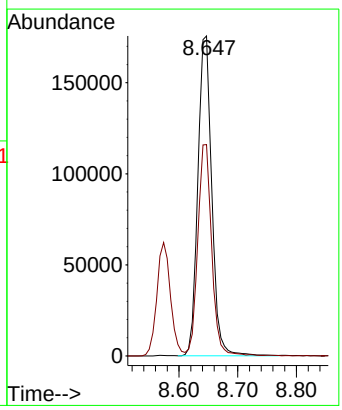


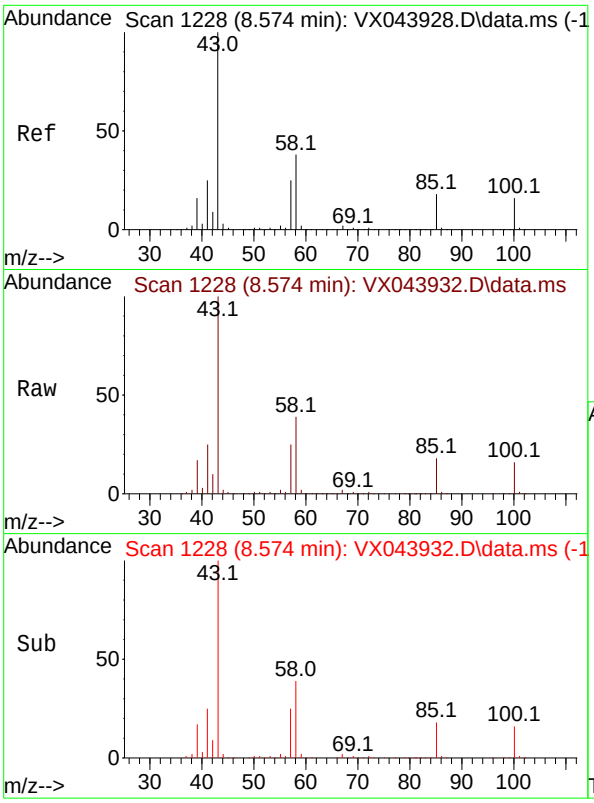


#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0



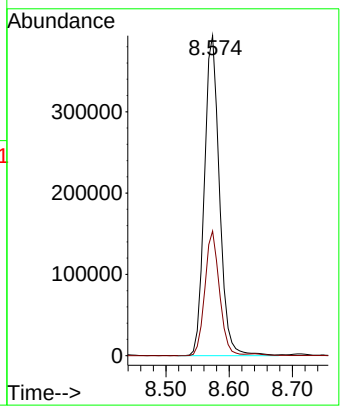


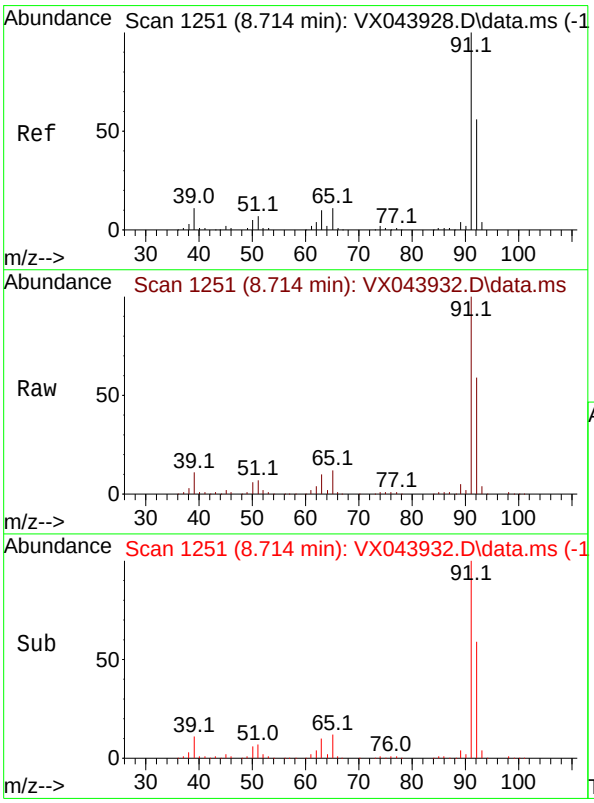
#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 652721

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0

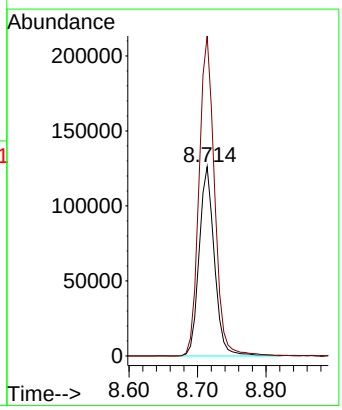


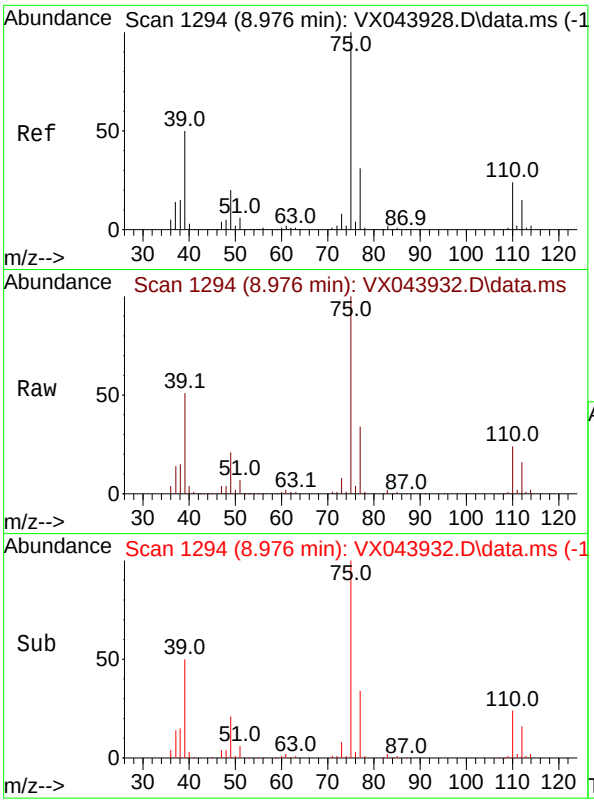


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

Ion	Ratio	Lower	Upper
92	100		
91	172.4	139.7	209.5



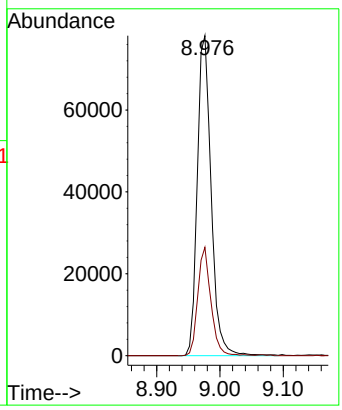


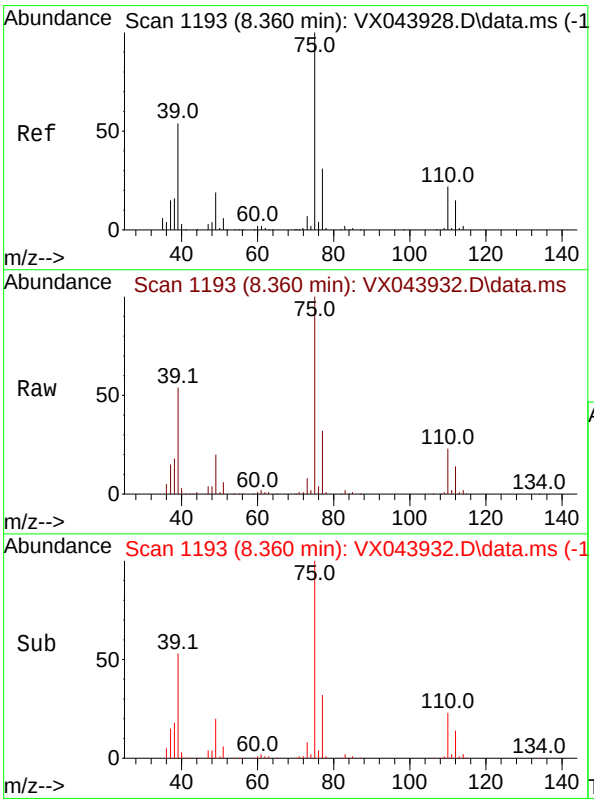
#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 75 Resp: 119461

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7

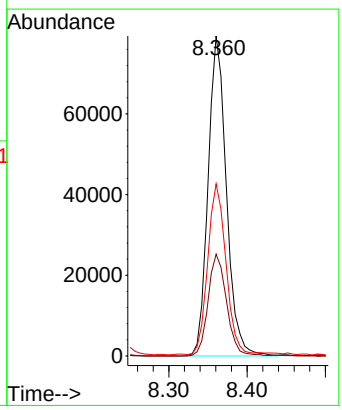


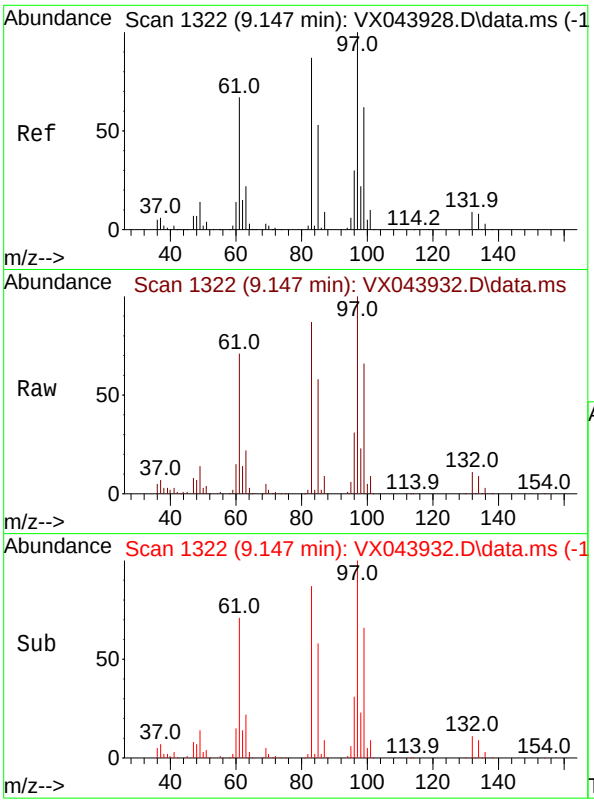


#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	53.2	43.1	64.7



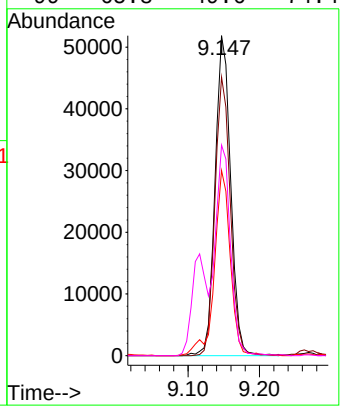


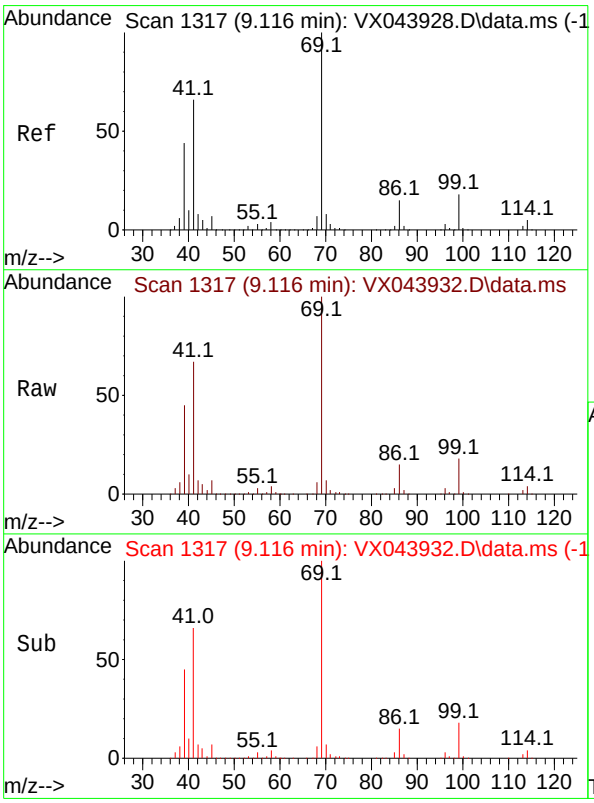
#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 97 Resp: 78575

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.0
85	57.7	42.3	63.5
99	65.8	49.6	74.4

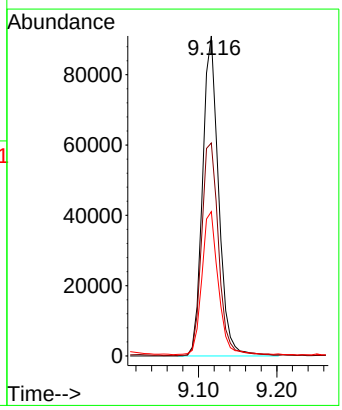


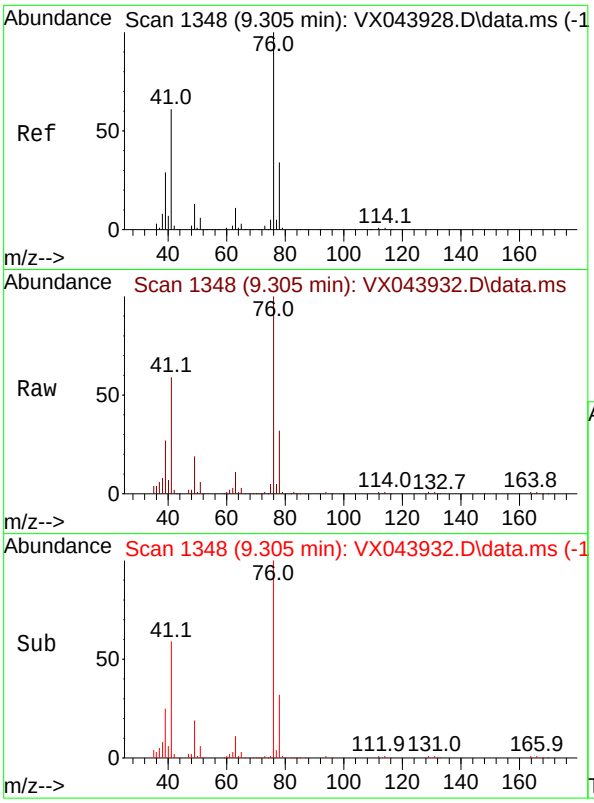


#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	46.1	36.7	55.1



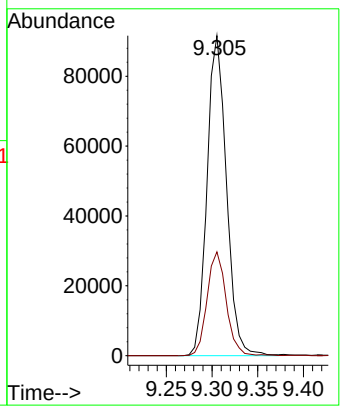


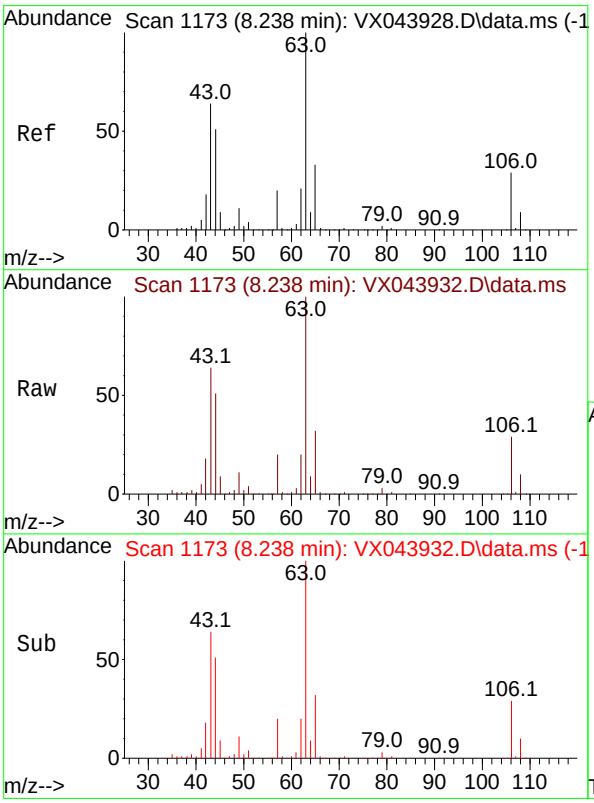
#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 76 Resp: 134680

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

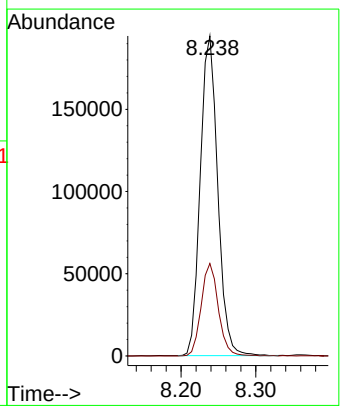


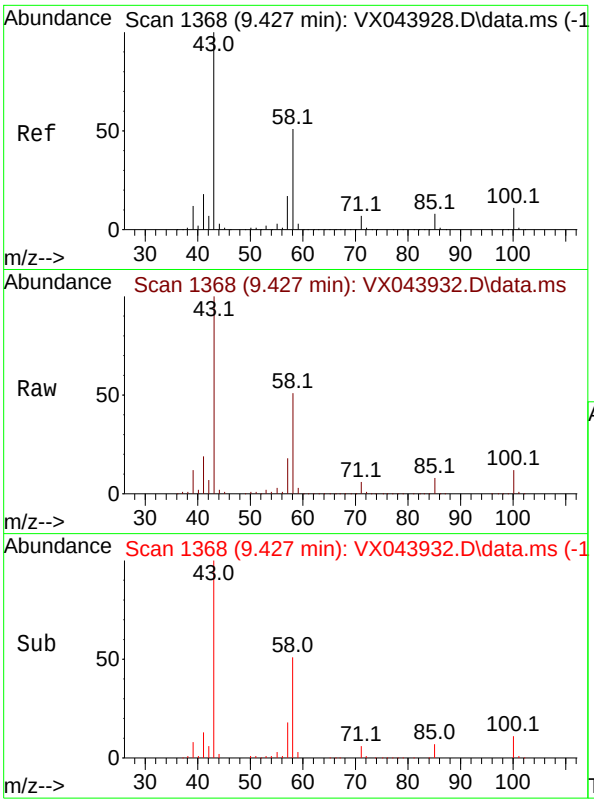


#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



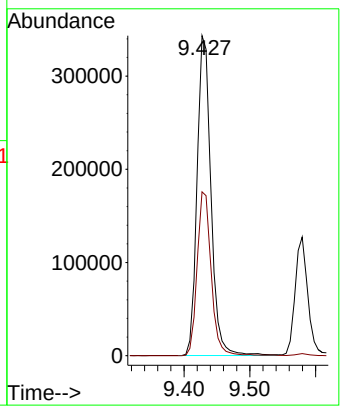


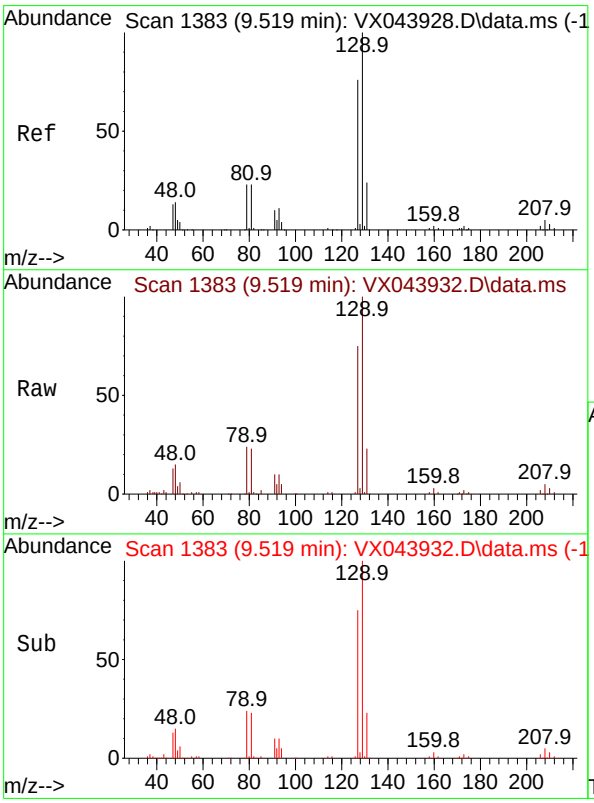
#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 43 Resp: 504444

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

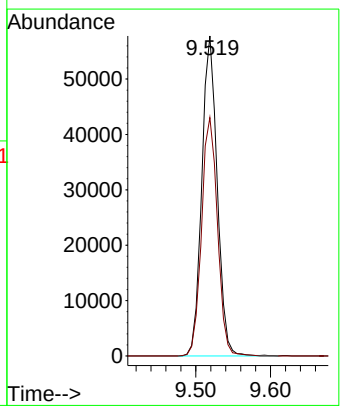


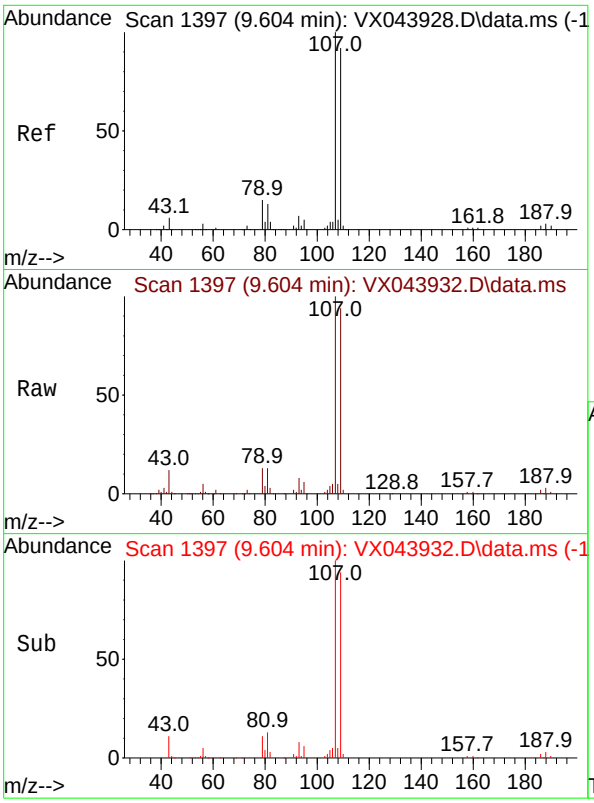


#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.2	114.6



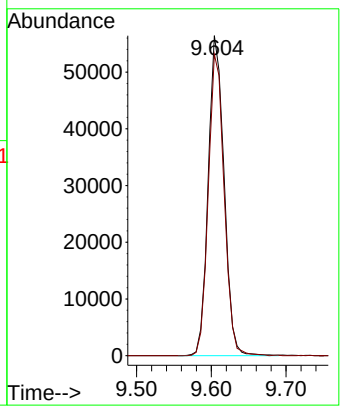


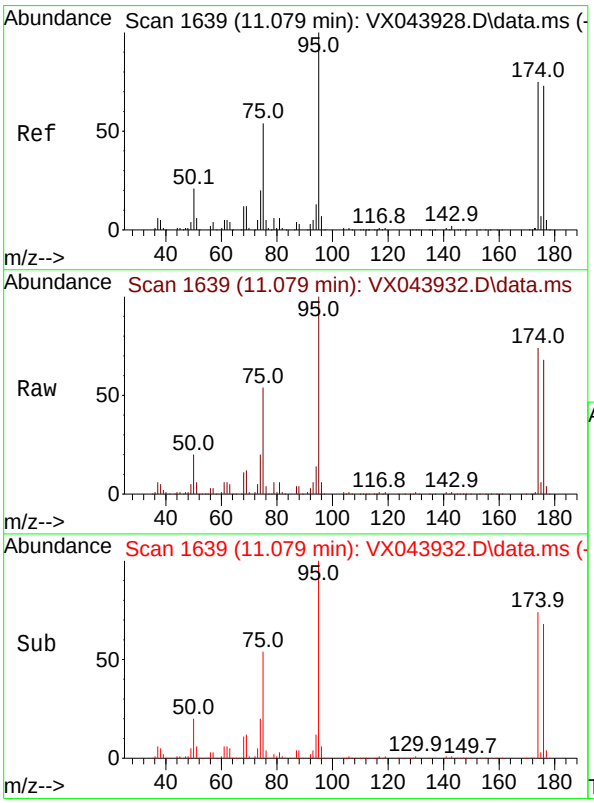
#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:107 Resp: 83098

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

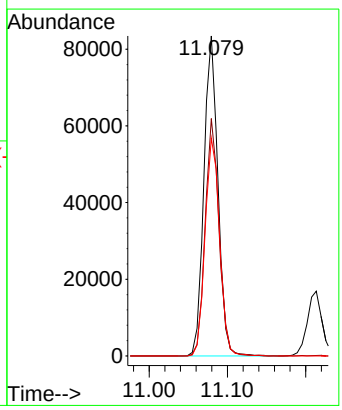


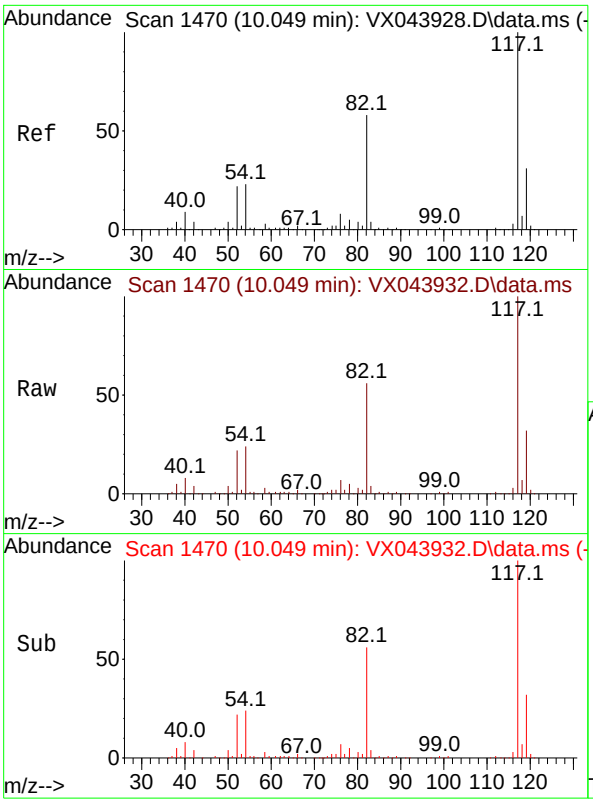


#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	150.4
176	70.5	0.0	146.0



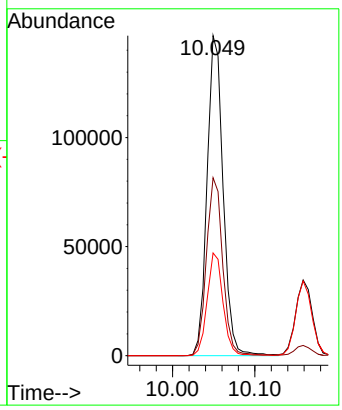


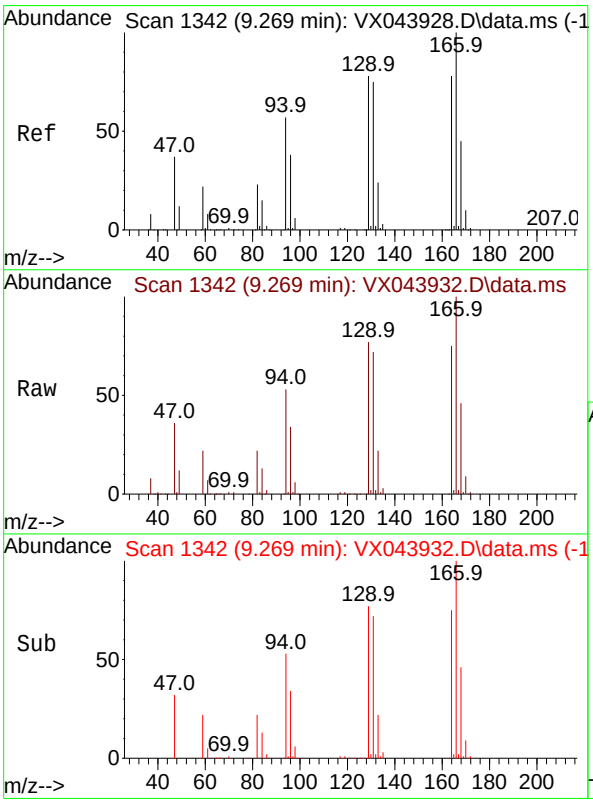
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:117 Resp: 198776

Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.4	69.6
119	32.1	24.6	37.0

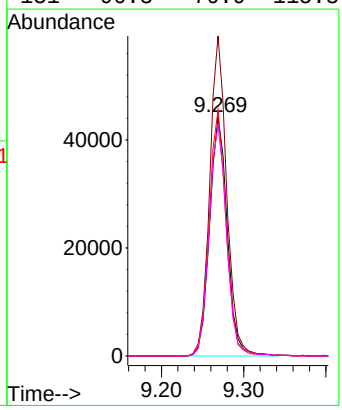


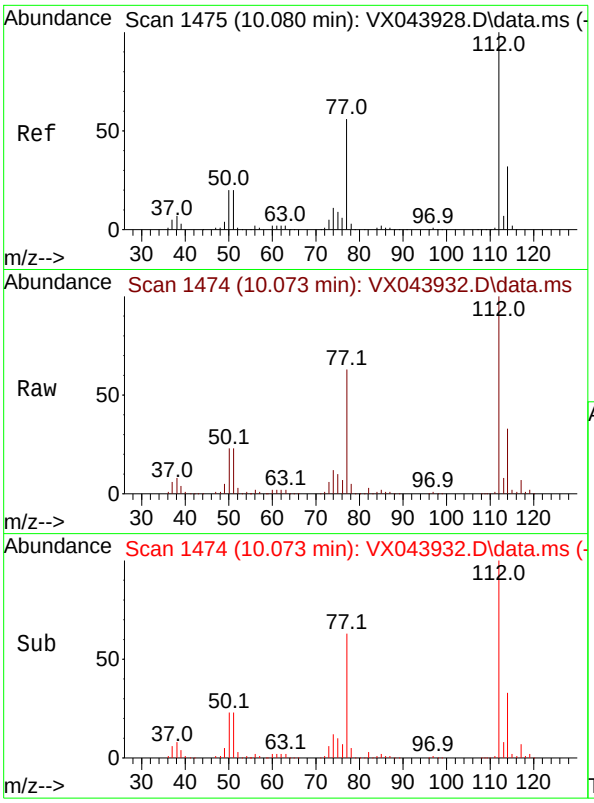


#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

Ion	Ratio	Lower	Upper
164	100		
166	133.9	102.1	153.1
129	102.7	79.6	119.4
131	96.3	76.9	115.3



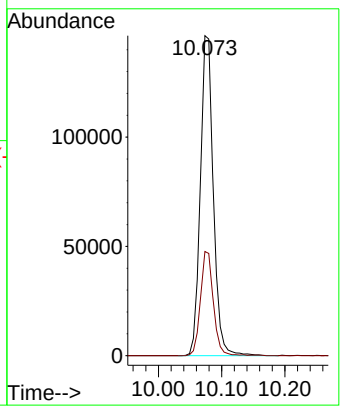


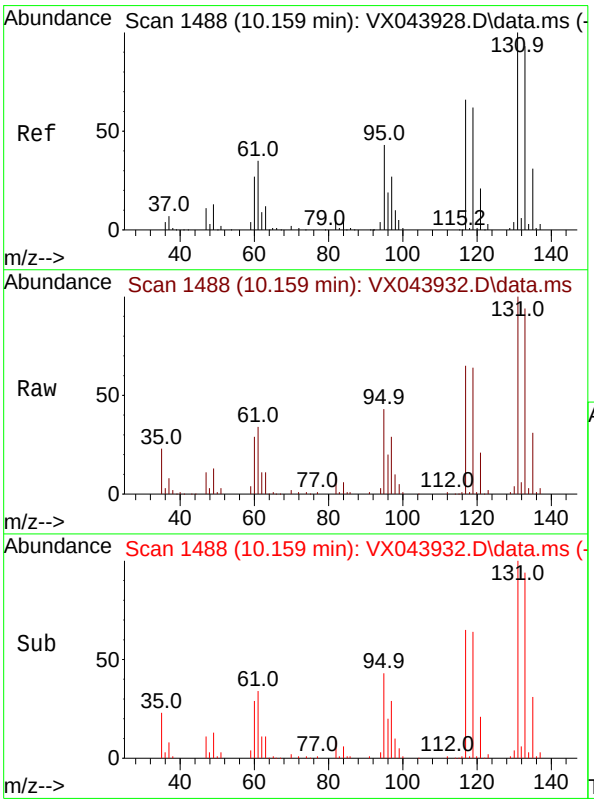
#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:112 Resp: 209963

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0

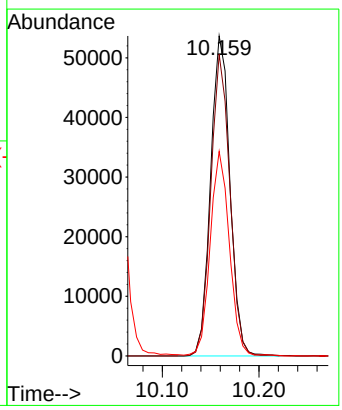


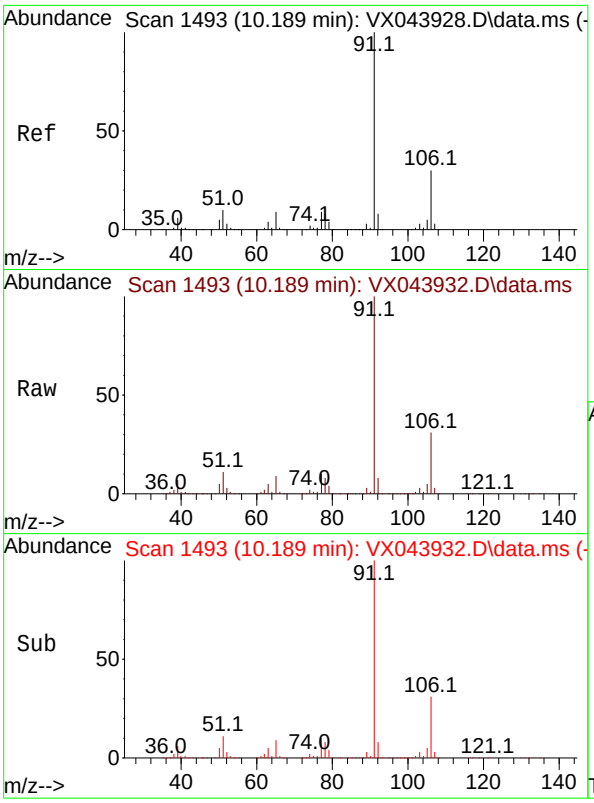


#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.2	144.6
119	63.5	31.5	94.5



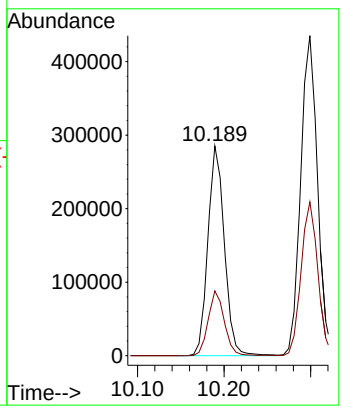


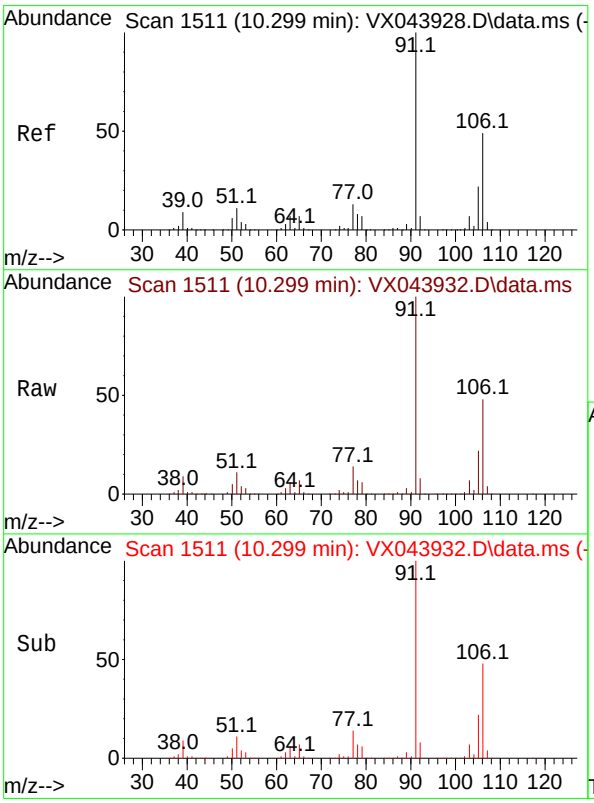
#67
Ethyl Benzene
Concen: 50.991 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 377215

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.6	35.4

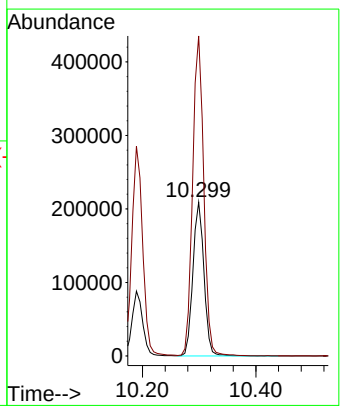


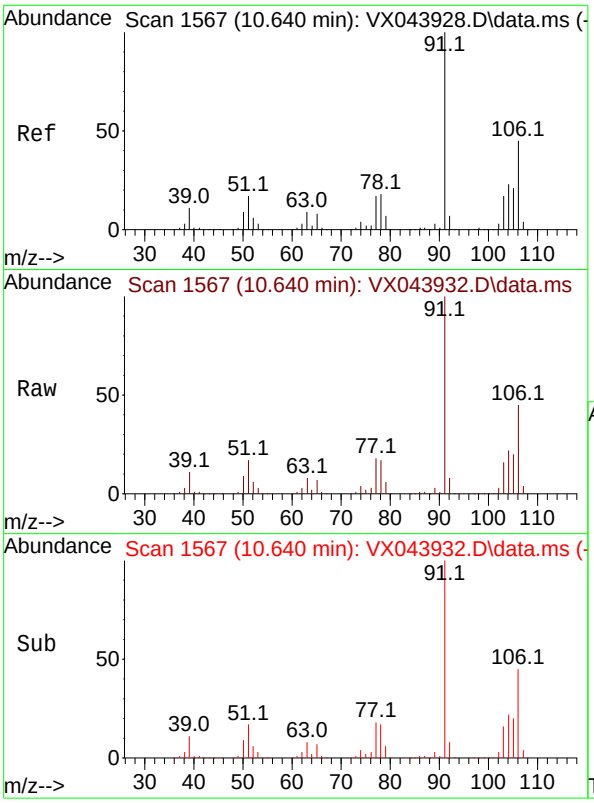


#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	168.1	252.1



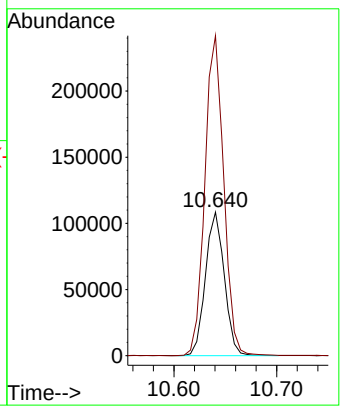


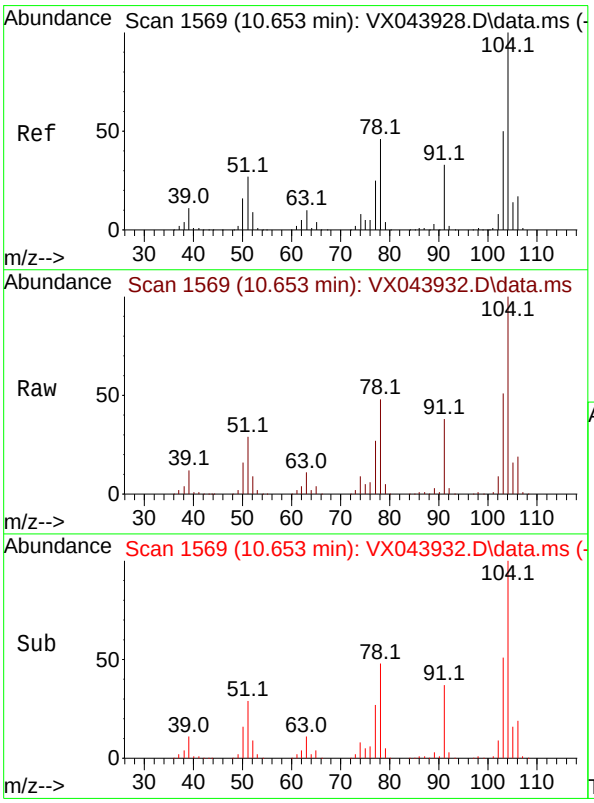
#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:106 Resp: 138437

Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.2	330.6

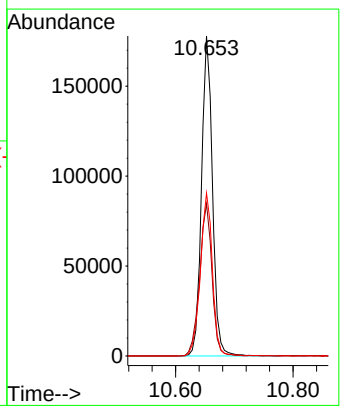


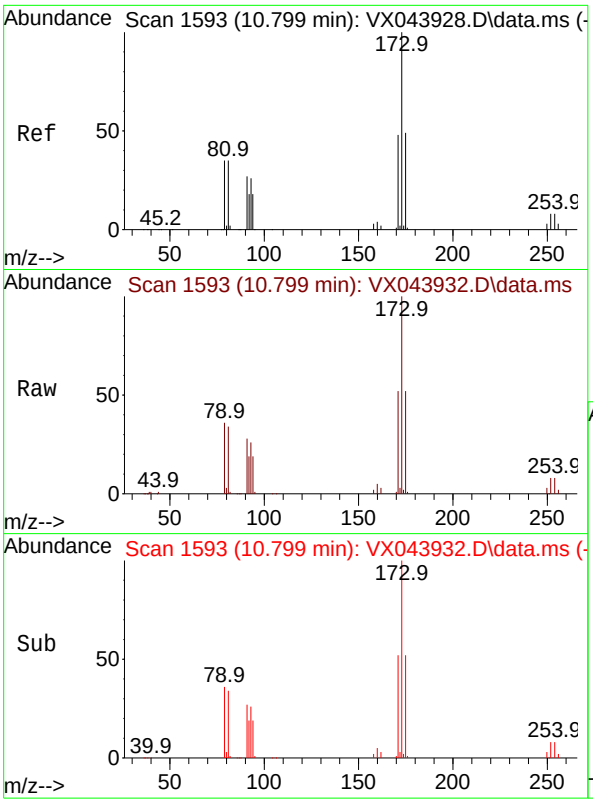


#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	56.0	44.7	67.1



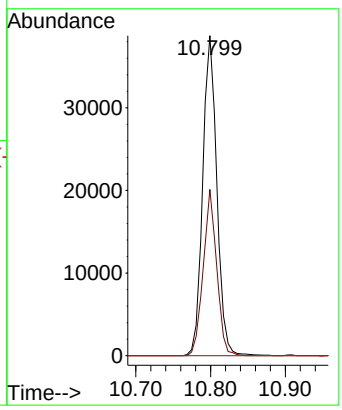


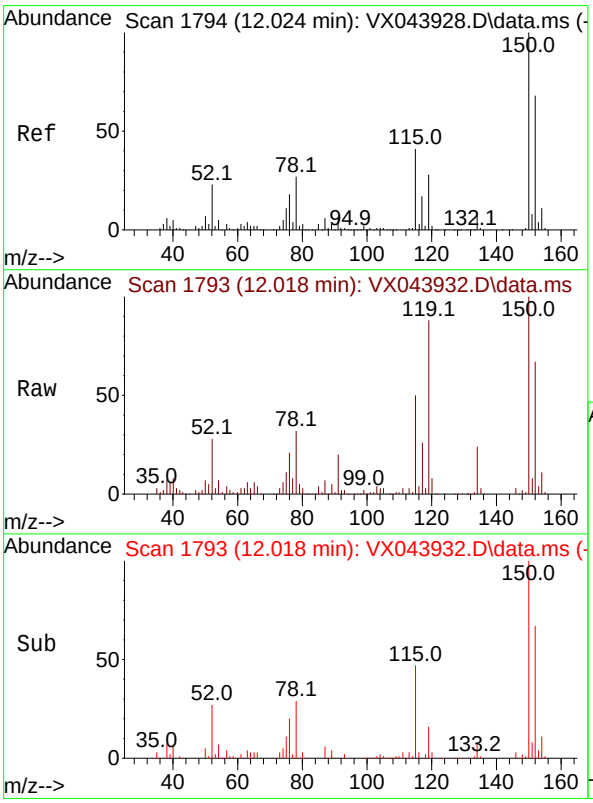
#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:173 Resp: 50837

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0

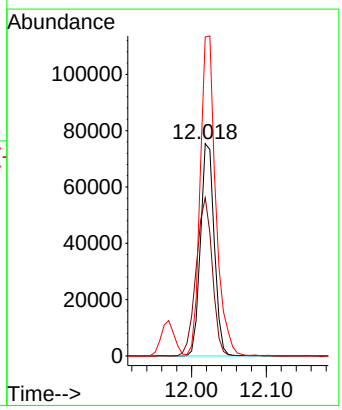


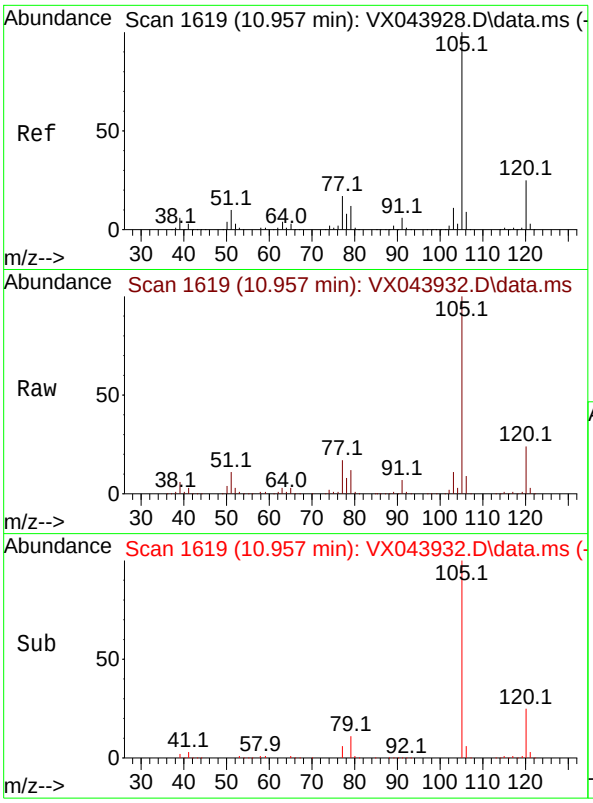


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

Ion	Ratio	Lower	Upper
152	100		
115	87.3	45.4	136.2
150	169.5	0.0	353.0



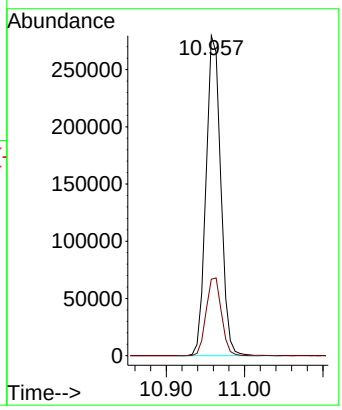


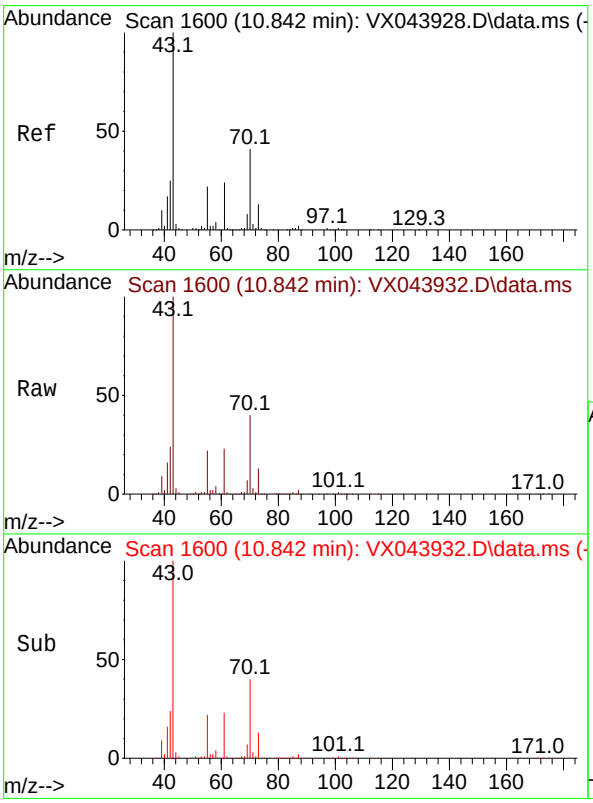
#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:105 Resp: 365084

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9

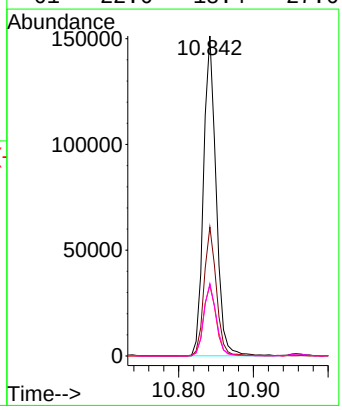


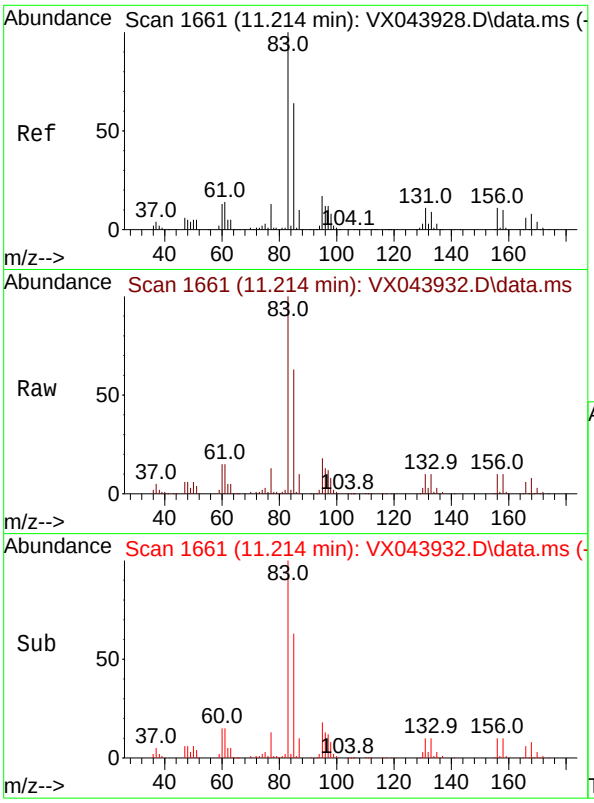


#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.4	18.1	27.1
61	22.6	18.4	27.6



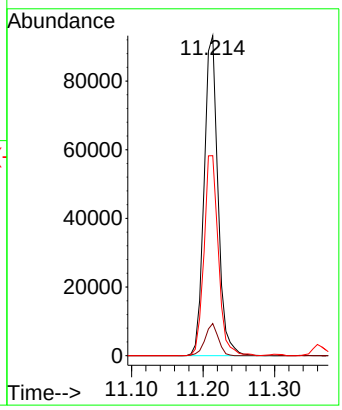


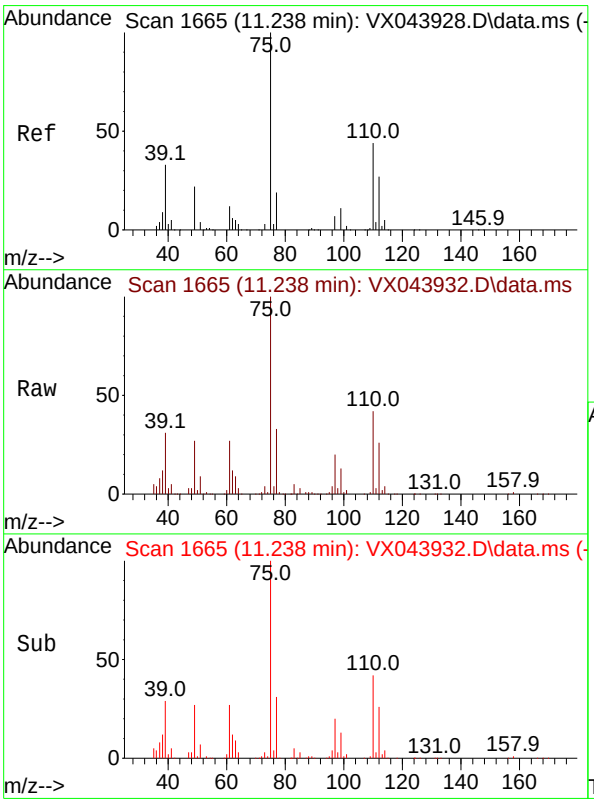
#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 83 Resp: 125346

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.2
85	64.9	32.2	96.6

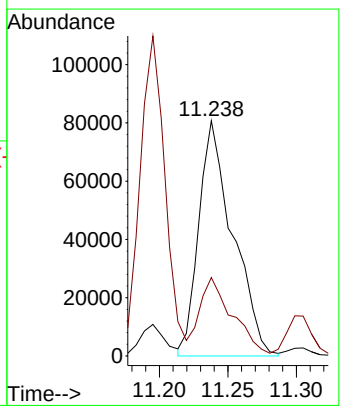


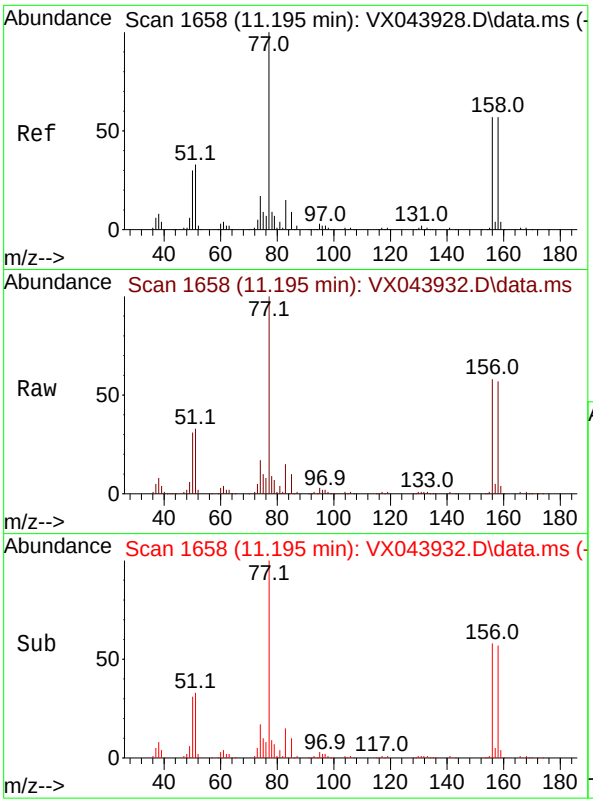


#76
1,2,3-Trichloropropane
Concen: 66.099 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 139865

Ion	Ratio	Lower	Upper
75	100		
77	32.3	21.8	65.3



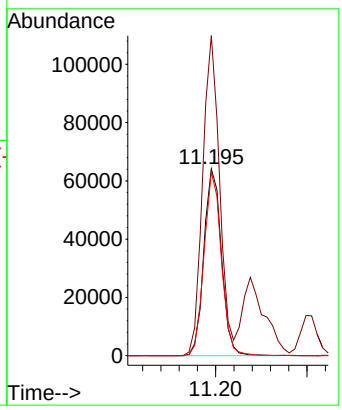


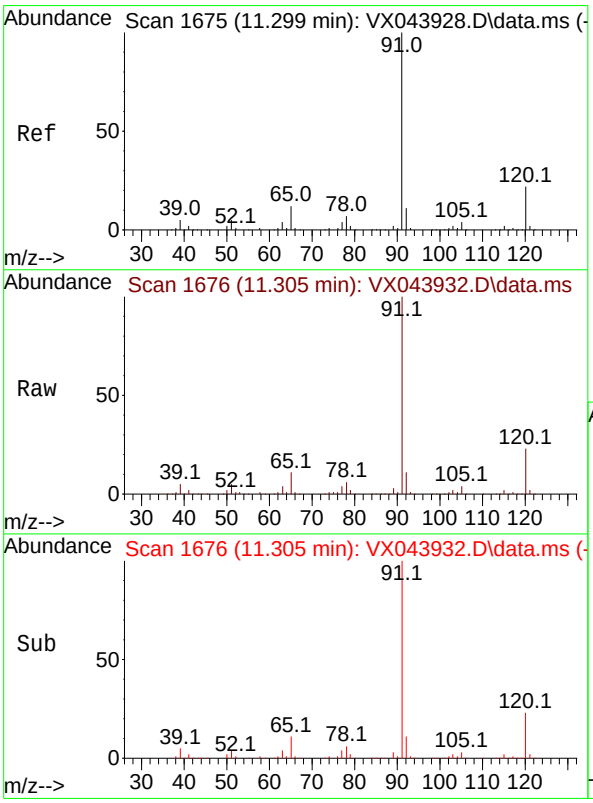
#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:156 Resp: 85070

Ion	Ratio	Lower	Upper
156	100		
77	165.4	83.4	250.1
158	96.9	47.6	142.8

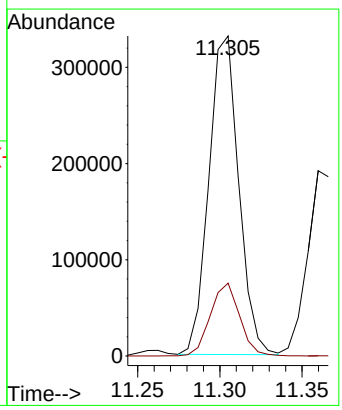


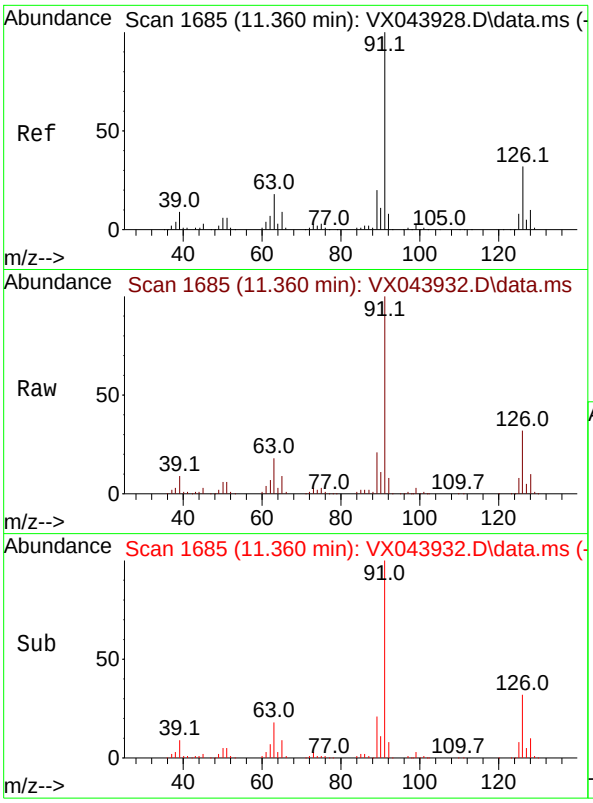


#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4



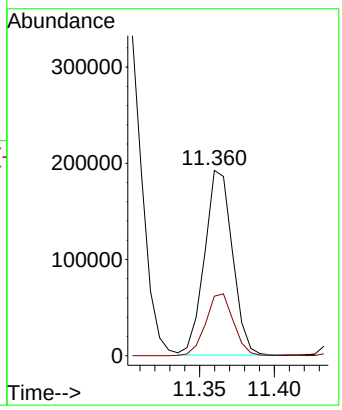


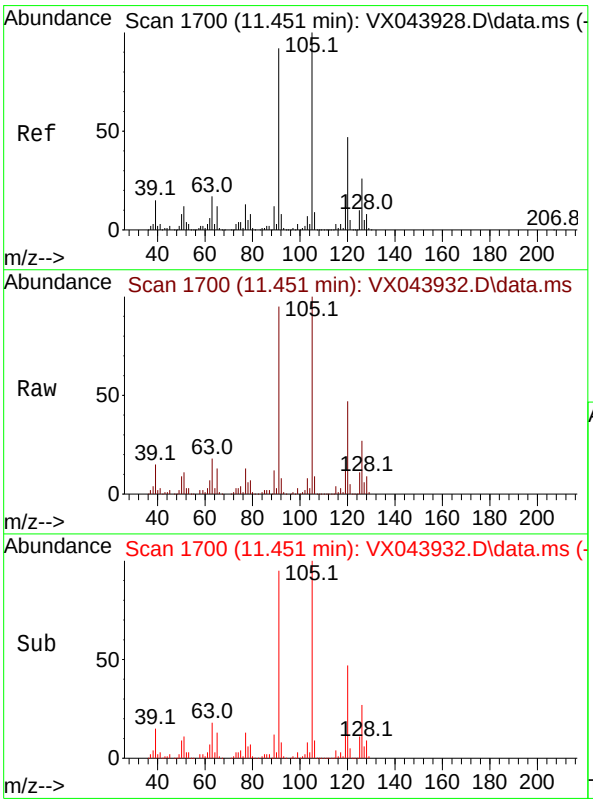
#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 249079

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8

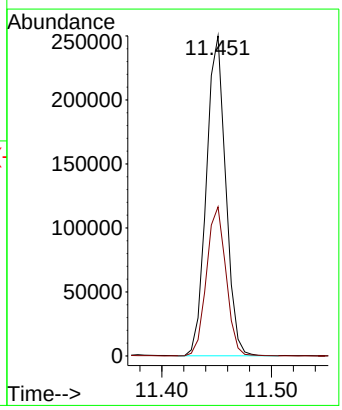


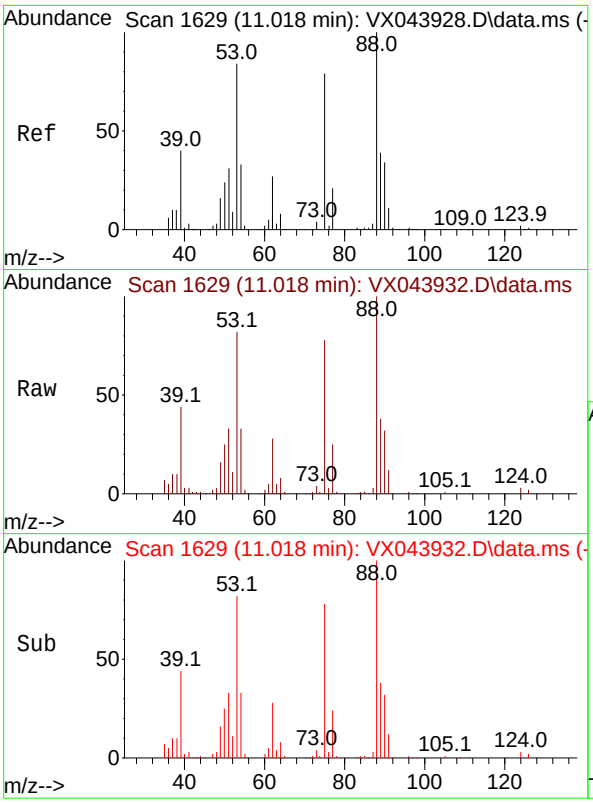


#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8



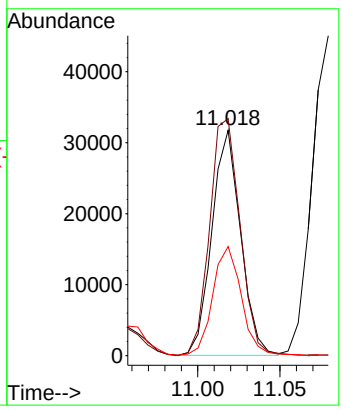


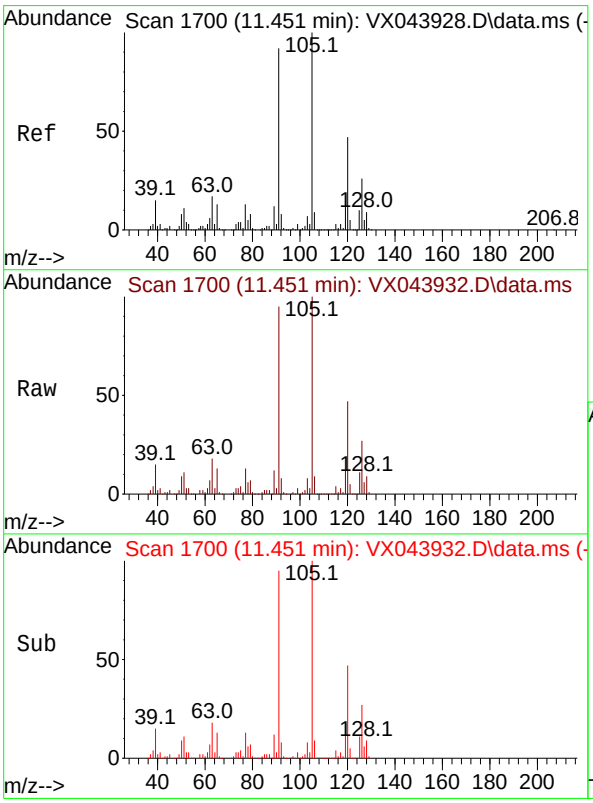
#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 75 Resp: 38583

Ion	Ratio	Lower	Upper
75	100		
53	111.7	86.7	130.1
89	48.1	38.2	57.2

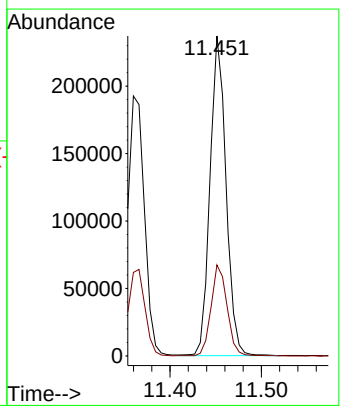


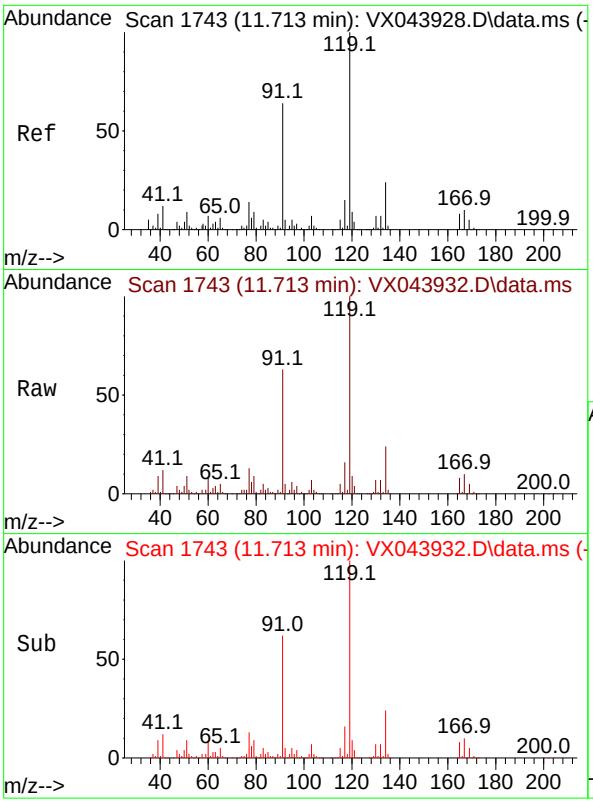


#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



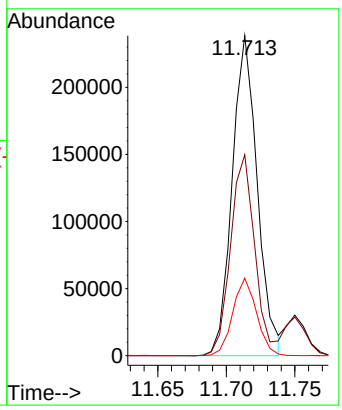


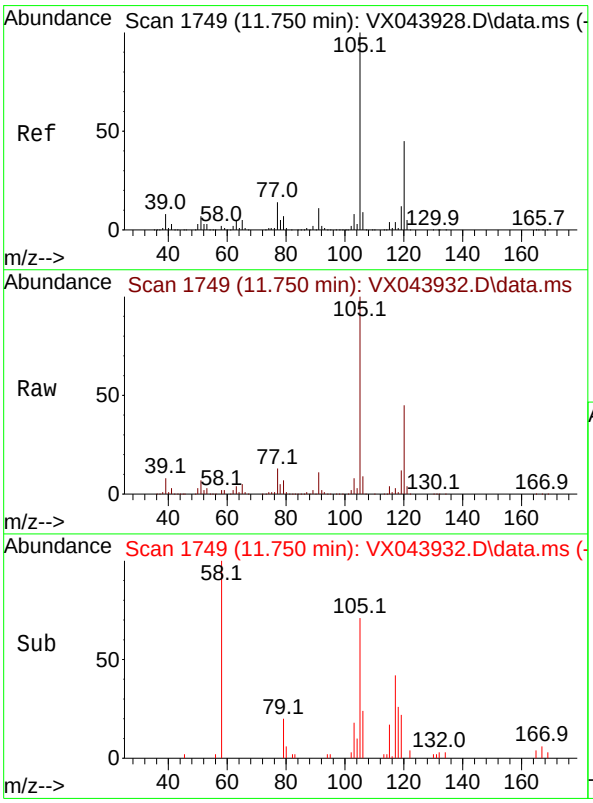
#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:119 Resp: 303408

Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.0	93.0
134	23.1	11.6	34.8

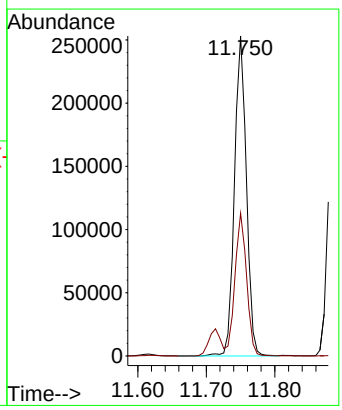


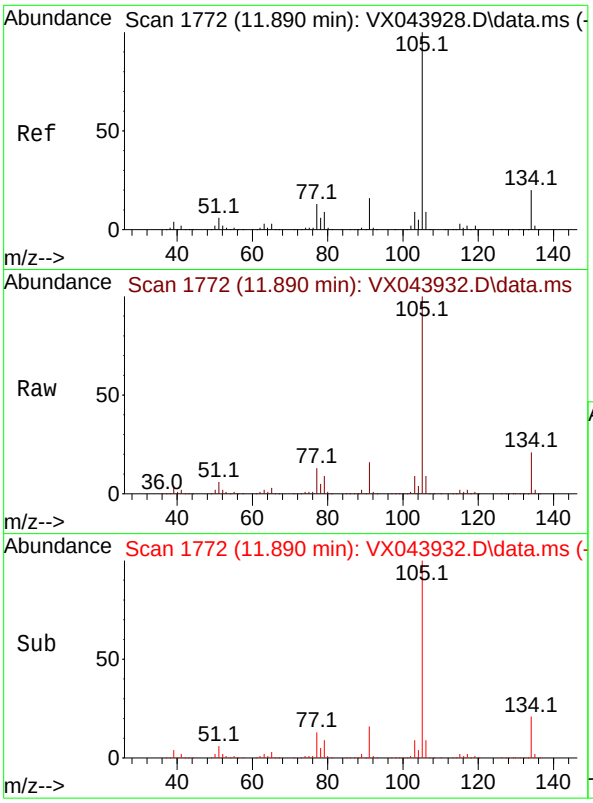


#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7



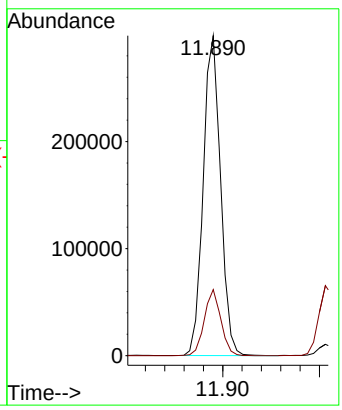


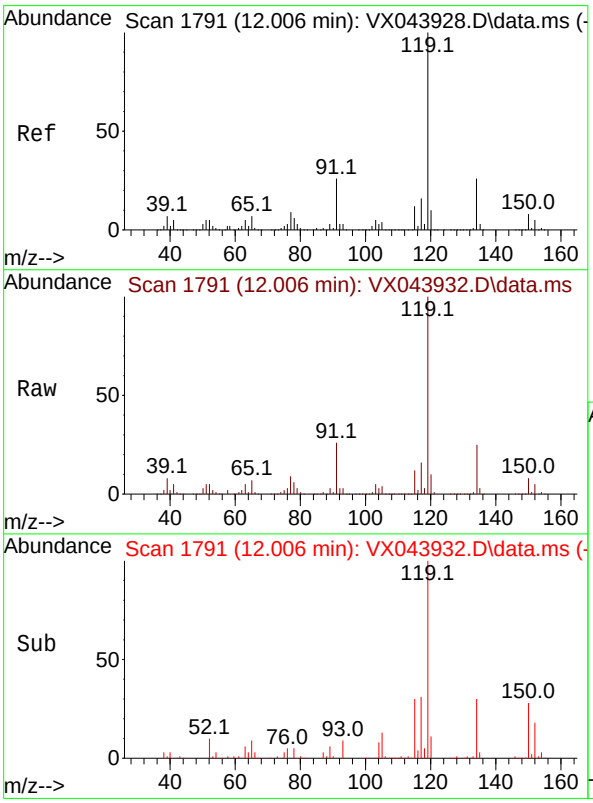
#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:105 Resp: 372793

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

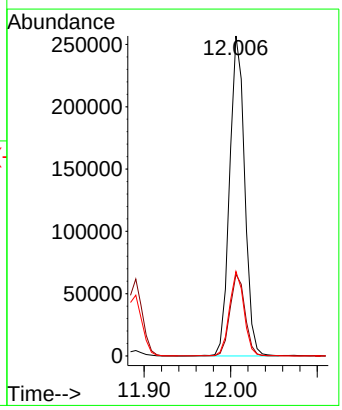


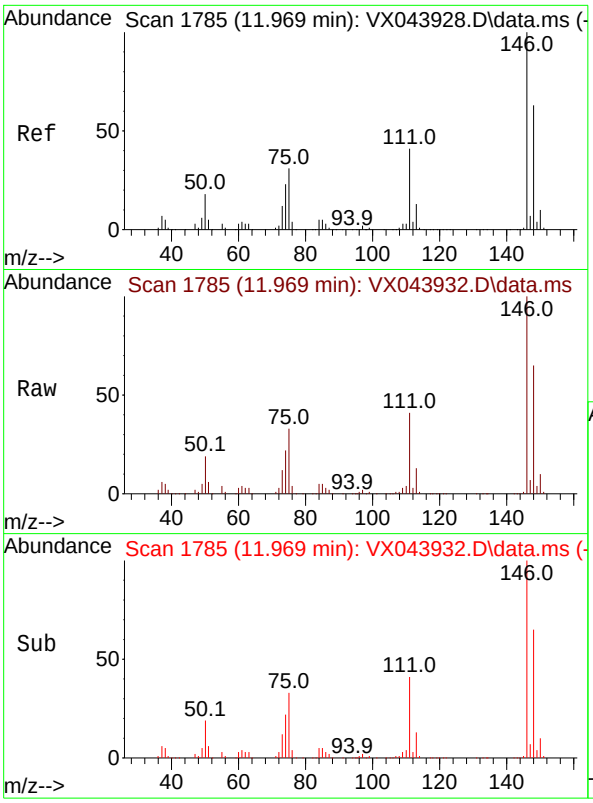


#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.7	13.0	38.9



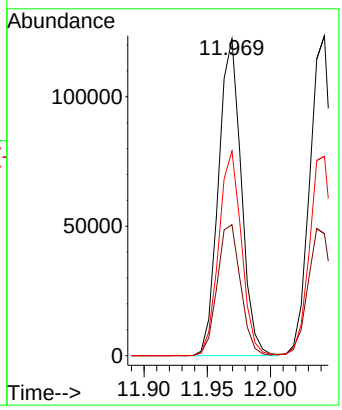


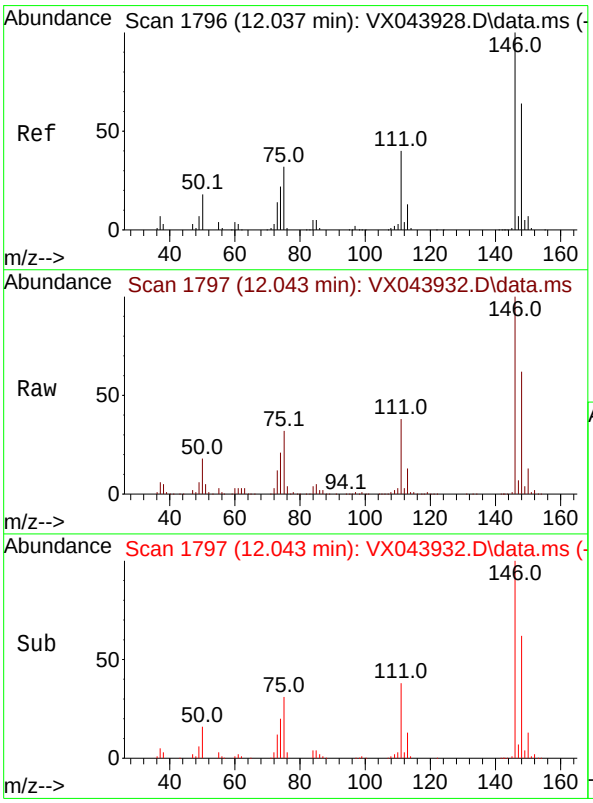
#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:146 Resp: 153164

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	64.4	31.7	95.1

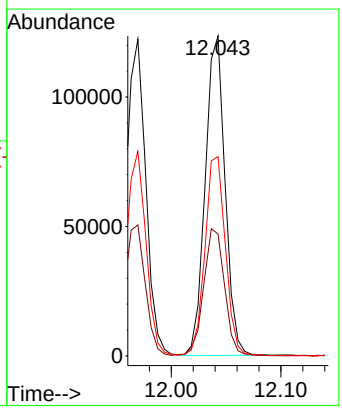


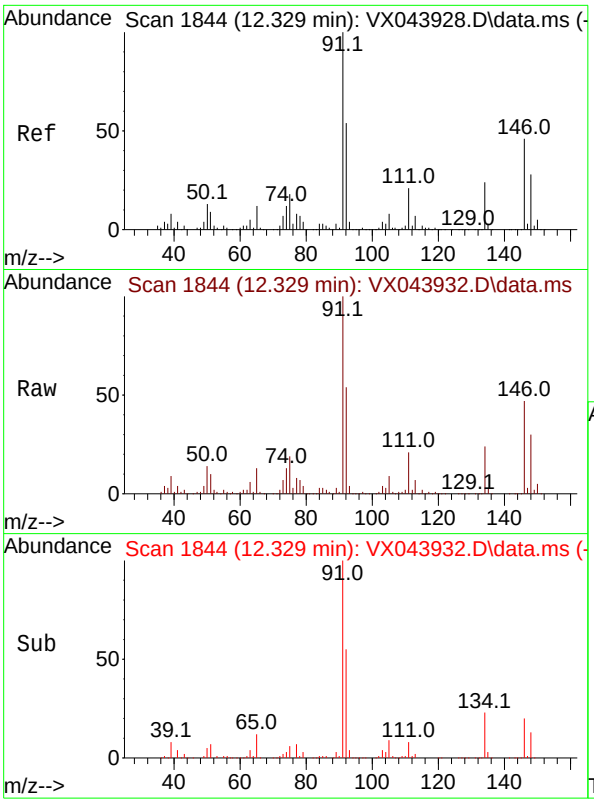


#88
1,4-Dichlorobenzene
Concen: 47.306 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.3
148	64.7	30.9	92.8



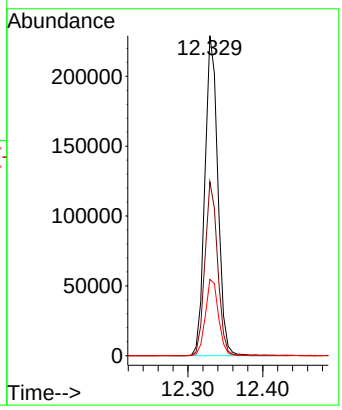


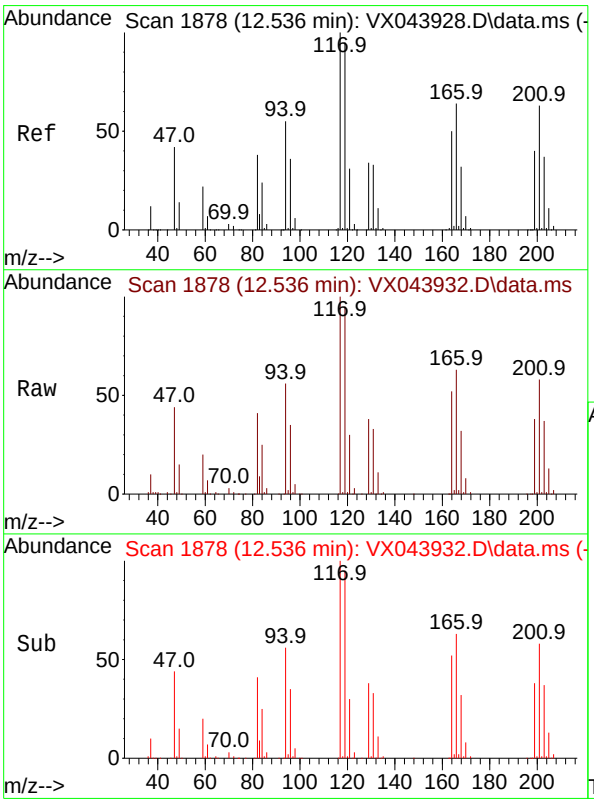
#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion: 91 Resp: 276075

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	24.0	12.4	37.2

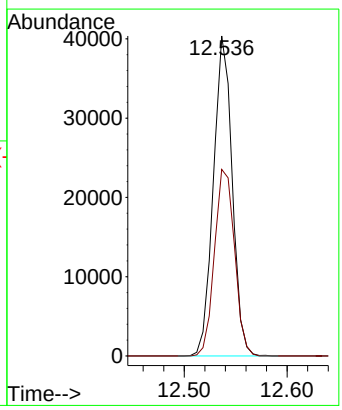


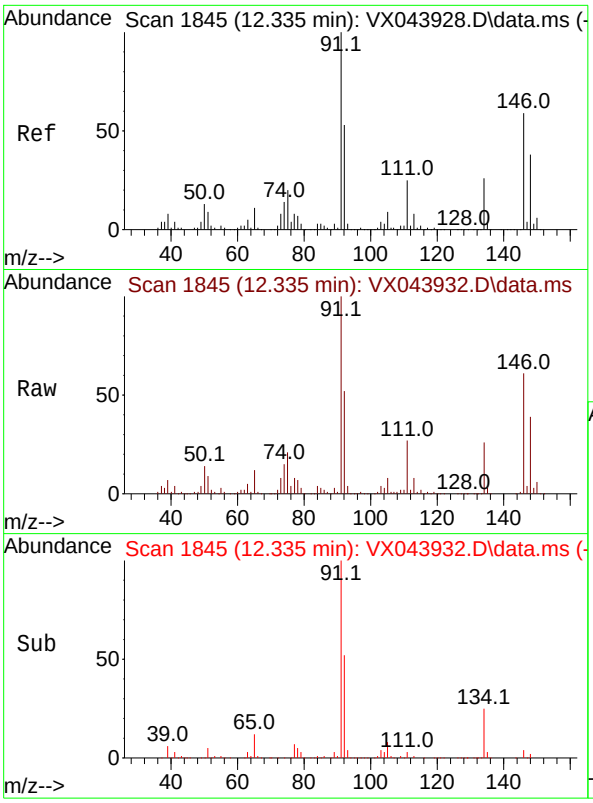


#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

Ion	Ratio	Lower	Upper
117	100		
201	62.2	32.4	97.0



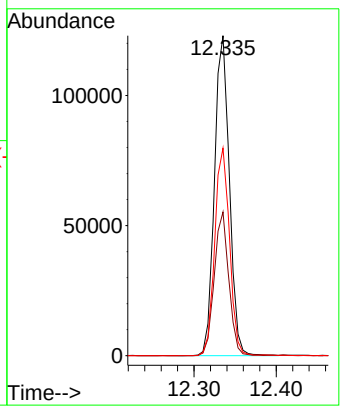


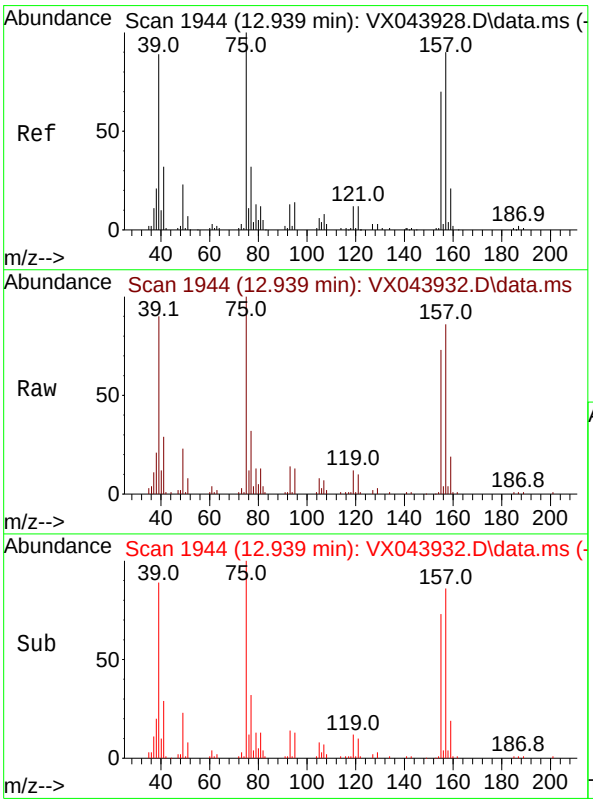
#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:146 Resp: 154980

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.5	64.5
148	64.3	31.9	95.5

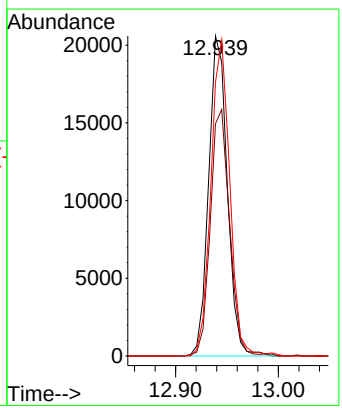


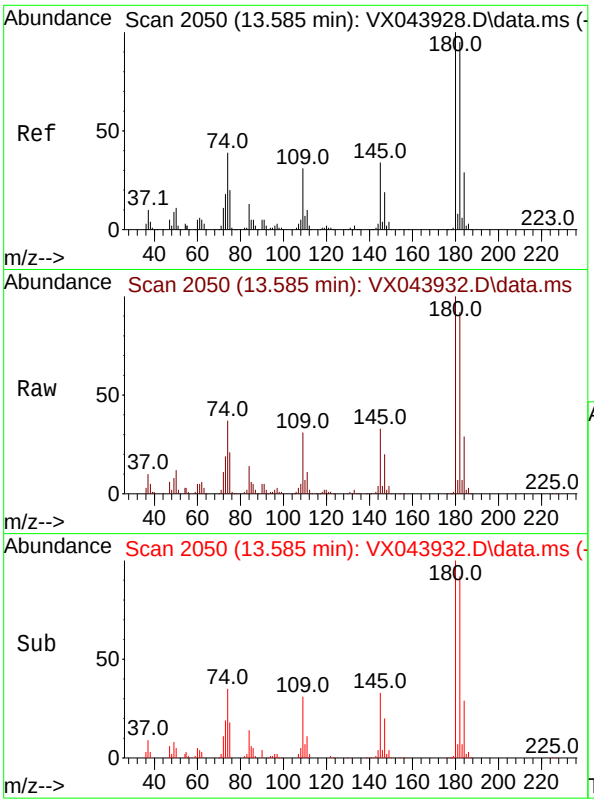


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.1	120.2
157	99.8	49.6	149.0



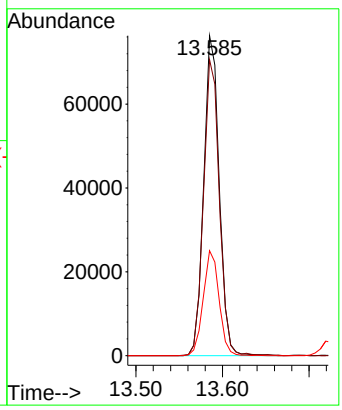


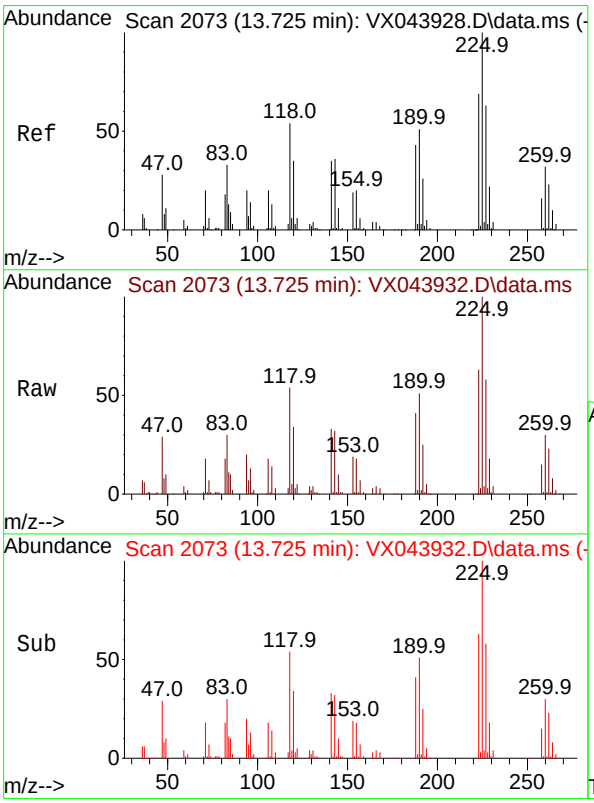
#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:180 Resp: 94896

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	33.6	16.8	50.4

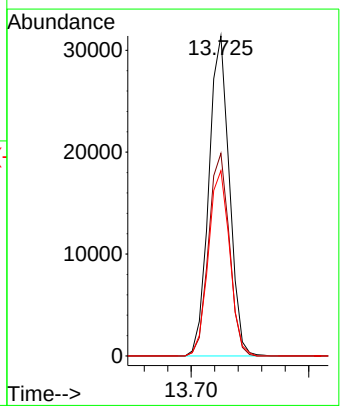


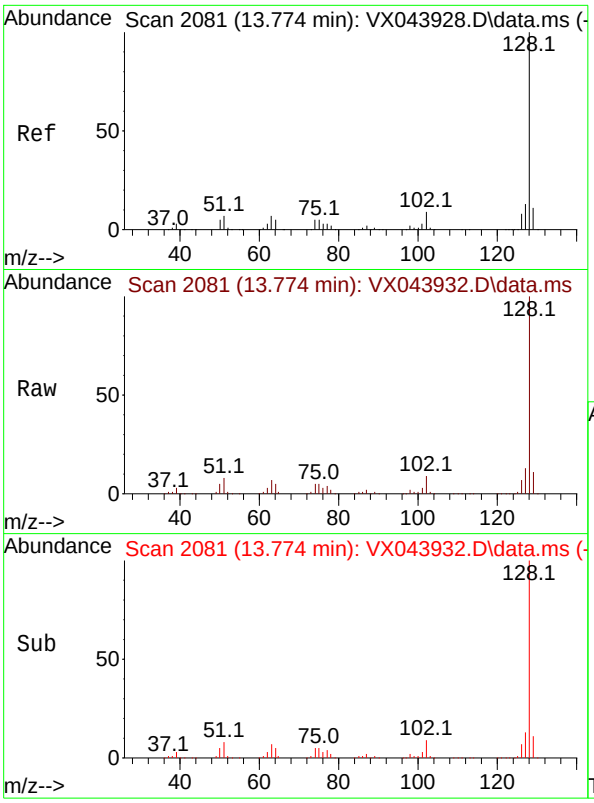


#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	60.3	31.6	94.8



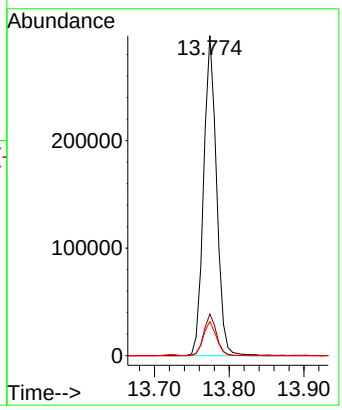


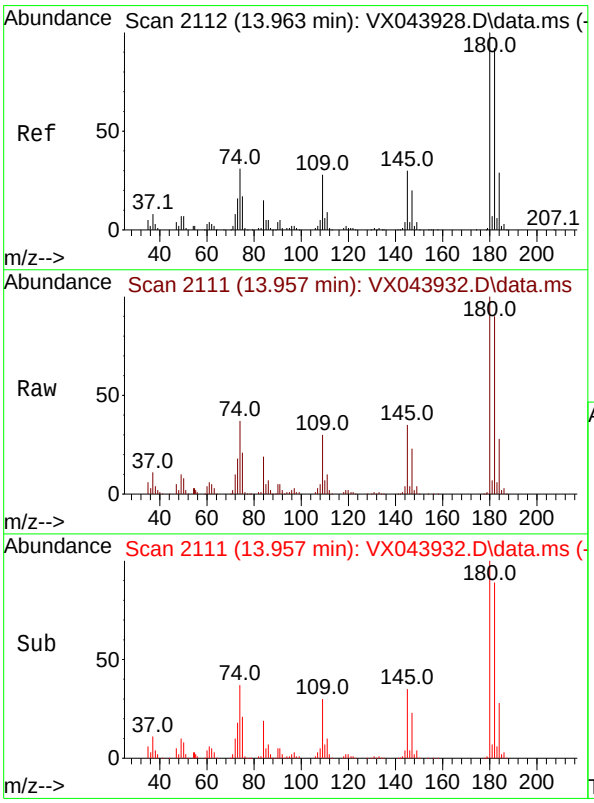
#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:128 Resp: 357725

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

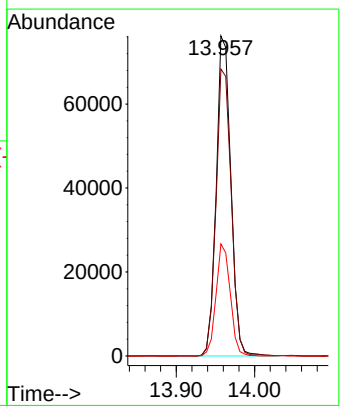




#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 99447

Ion	Ratio	Lower	Upper
180	100		
182	92.9	45.6	136.8
145	33.9	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	119844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	210147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	100999	49.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.280%			
35) Dibromofluoromethane	5.379	113	75489	50.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.641	98	262790	50.769	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	91050	51.686	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83769	55.175	ug/l	99
3) Chloromethane	1.295	50	87811	54.963	ug/l	99
4) Vinyl Chloride	1.374	62	88877	52.301	ug/l	99
5) Bromomethane	1.593	94	54869	52.486	ug/l	98
6) Chloroethane	1.666	64	50225	48.505	ug/l	98
7) Trichlorofluoromethane	1.868	101	177113	58.296	ug/l	97
8) Diethyl Ether	2.130	74	56649	51.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	78101	53.892	ug/l	99
10) Methyl Iodide	2.441	142	94503	52.213	ug/l	98
11) Tert butyl alcohol	3.002	59	78161	236.901	ug/l	98
12) 1,1-Dichloroethene	2.307	96	70195	50.831	ug/l	93
13) Acrolein	2.233	56	87414	251.363	ug/l	96
14) Allyl chloride	2.654	41	121345	53.777	ug/l	98
15) Acrylonitrile	3.063	53	213507	265.550	ug/l	99
16) Acetone	2.386	43	236749	250.770	ug/l	97
17) Carbon Disulfide	2.502	76	135635	47.616	ug/l	98
18) Methyl Acetate	2.703	43	113509	51.629	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	267063	53.261	ug/l	100
20) Methylene Chloride	2.782	84	81941	51.146	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	74796	52.461	ug/l	98
22) Diisopropyl ether	3.758	45	257734	53.416	ug/l	95
23) Vinyl Acetate	3.715	43	1126489	272.921	ug/l	99
24) 1,1-Dichloroethane	3.599	63	150069	53.913	ug/l	99
25) 2-Butanone	4.556	43	316605	259.902	ug/l	97
26) 2,2-Dichloropropane	4.465	77	130610	51.956	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	91683	52.023	ug/l	98
28) Bromochloromethane	4.891	49	59099	48.235	ug/l	99
29) Tetrahydrofuran	5.001	42	192093	257.216	ug/l	99
30) Chloroform	5.080	83	158800	53.043	ug/l	96
31) Cyclohexane	5.458	56	122162	53.324	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	140772	54.526	ug/l	100
36) 1,1-Dichloropropene	5.684	75	103967	55.562	ug/l	98
37) Ethyl Acetate	4.715	43	121804	52.440	ug/l	99
38) Carbon Tetrachloride	5.666	117	113421	53.945	ug/l	98
39) Methylcyclohexane	7.373	83	133332	54.849	ug/l	98
40) Benzene	6.032	78	314837	54.016	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	61474	51.710	ug/l		93
42) 1,2-Dichloroethane	6.074	62	127580	54.501	ug/l		100
43) Isopropyl Acetate	6.336	43	196481	53.153	ug/l		99
44) Trichloroethene	7.117	130	77355	46.882	ug/l		88
45) 1,2-Dichloropropane	7.421	63	78579	55.044	ug/l		98
46) Dibromomethane	7.574	93	60885	53.916	ug/l		100
47) Bromodichloromethane	7.818	83	110672	54.645	ug/l		99
48) Methyl methacrylate	7.690	41	93037	52.453	ug/l		99
49) 1,4-Dioxane	7.665	88	30231	956.809	ug/l		89
51) 4-Methyl-2-Pentanone	8.574	43	607788	269.433	ug/l		99
52) Toluene	8.714	92	191750	54.965	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	113533	54.971	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	122380	54.052	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	75441	52.387	ug/l		97
56) Ethyl methacrylate	9.116	69	121914	54.352	ug/l		99
57) 1,3-Dichloropropane	9.305	76	132364	54.563	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	301050	244.819	ug/l		99
59) 2-Hexanone	9.427	43	456702	269.358	ug/l		100
60) Dibromochloromethane	9.519	129	77811	53.853	ug/l		97
61) 1,2-Dibromoethane	9.604	107	78690	54.040	ug/l		100
64) Tetrachloroethene	9.269	164	64266	54.365	ug/l		98
65) Chlorobenzene	10.073	112	207265	52.640	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	70047	54.854	ug/l		99
67) Ethyl Benzene	10.189	91	369374	55.362	ug/l		98
68) m/p-Xylenes	10.299	106	275579	110.758	ug/l		99
69) o-Xylene	10.640	106	134066	55.187	ug/l		98
70) Styrene	10.653	104	225568	56.140	ug/l		99
71) Bromoform	10.799	173	47233	48.773	ug/l	#	98
73) Isopropylbenzene	10.957	105	352296	52.039	ug/l		99
74) N-amyl acetate	10.842	43	162994	51.973	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	119153	51.403	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	131164	67.913	ug/l		82
77) Bromobenzene	11.195	156	82907	51.338	ug/l		99
78) n-propylbenzene	11.305	91	406514	53.765	ug/l		99
79) 2-Chlorotoluene	11.360	91	246574	51.573	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	295006	52.968	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	34321	48.492	ug/l		95
82) 4-Chlorotoluene	11.451	91	281758	52.200	ug/l		100
83) tert-Butylbenzene	11.713	119	291225	52.754	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	299186	53.956	ug/l		98
85) sec-Butylbenzene	11.890	105	360460	53.293	ug/l		99
86) p-Isopropyltoluene	12.006	119	304159	55.361	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	153209	52.089	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	154469	51.511	ug/l		98
89) n-Butylbenzene	12.329	91	268422	55.414	ug/l		100
90) Hexachloroethane	12.536	117	47025	50.336	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	155184	52.281	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24188	52.076	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	94940	54.252	ug/l		97
94) Hexachlorobutadiene	13.725	225	35816	51.785	ug/l		96
95) Naphthalene	13.774	128	347826	55.215	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	97491	55.041	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

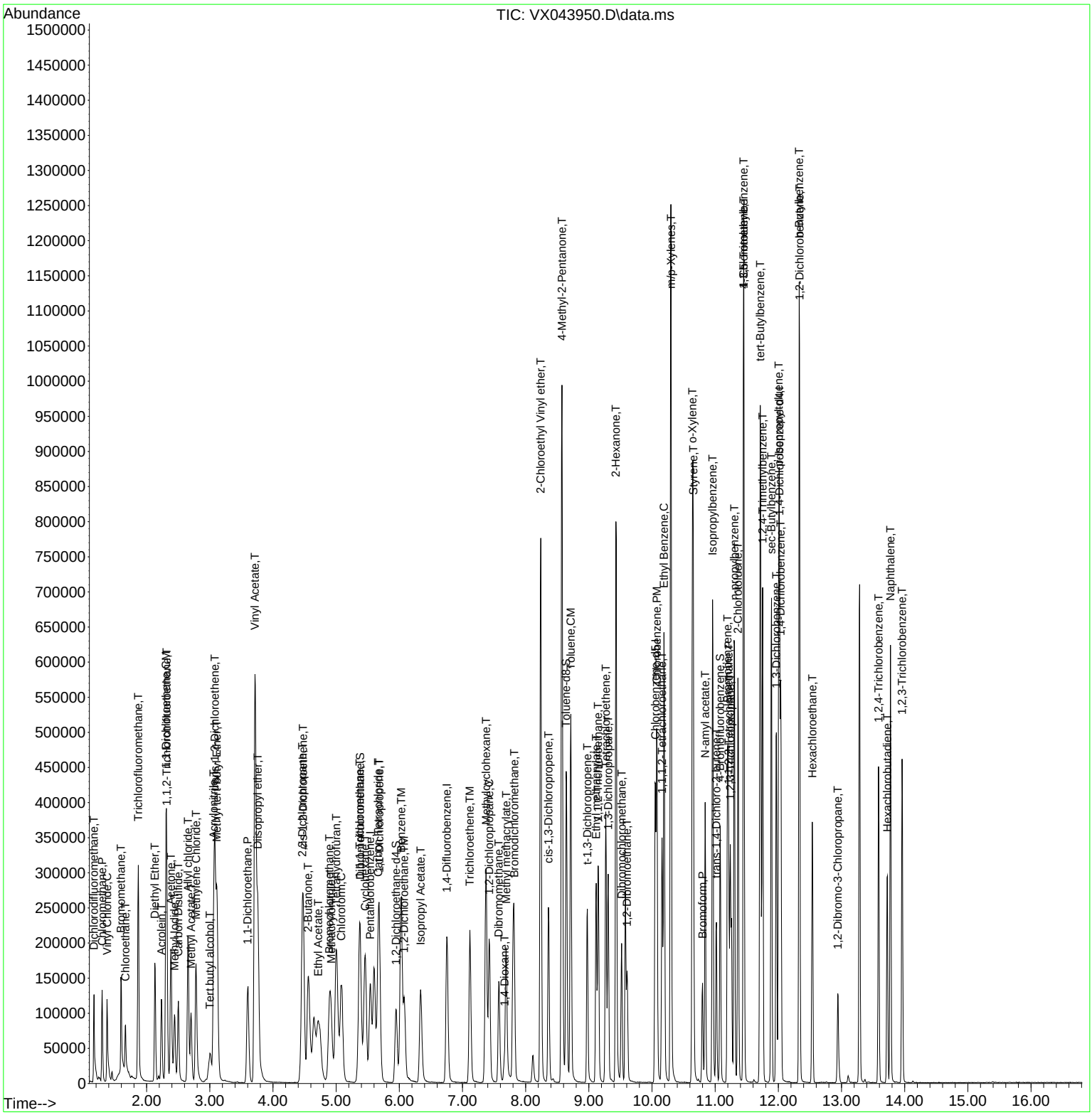
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

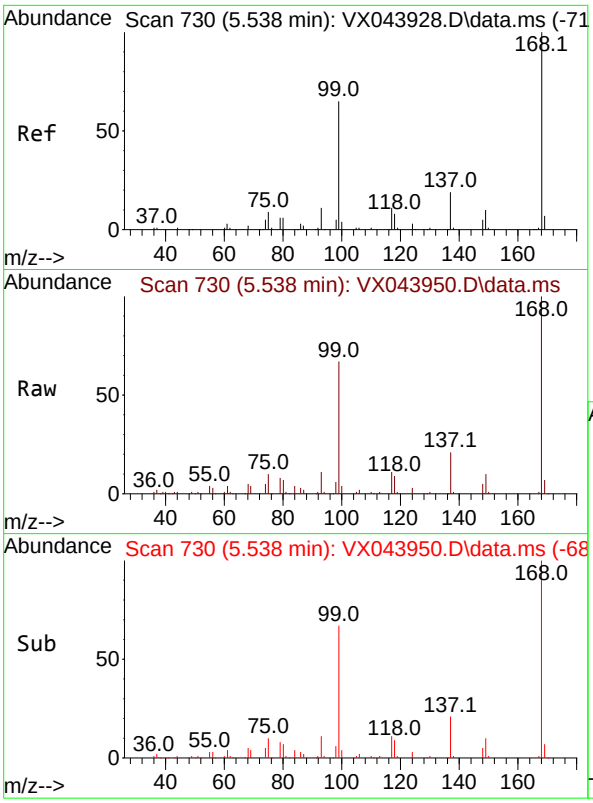
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



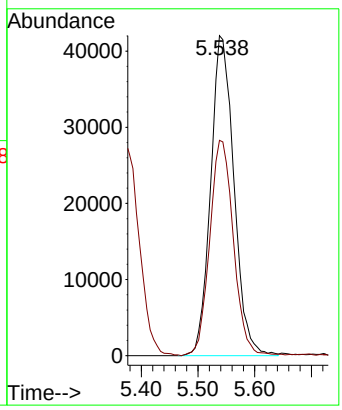


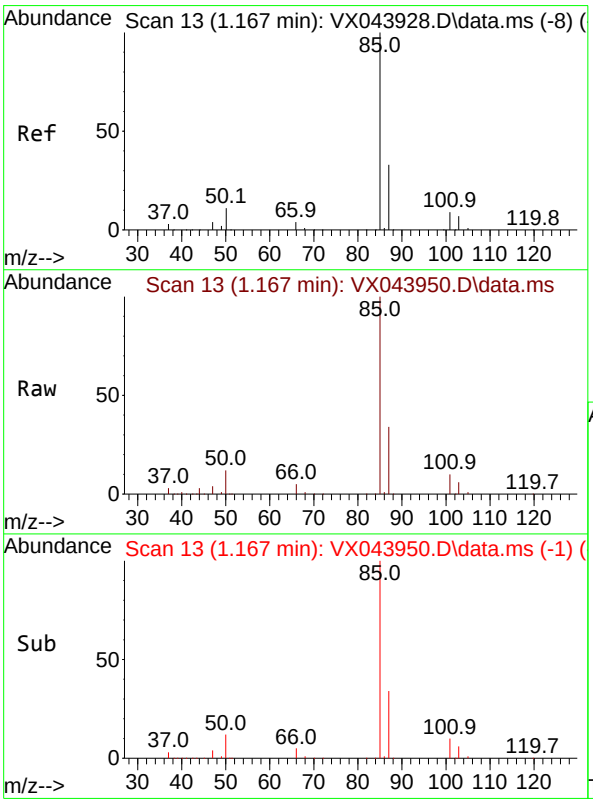
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 119844

Ion	Ratio	Lower	Upper
168	100		
99	67.1	51.8	77.8

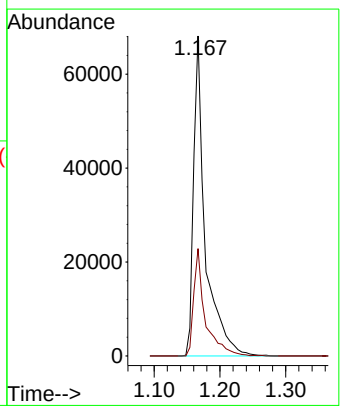


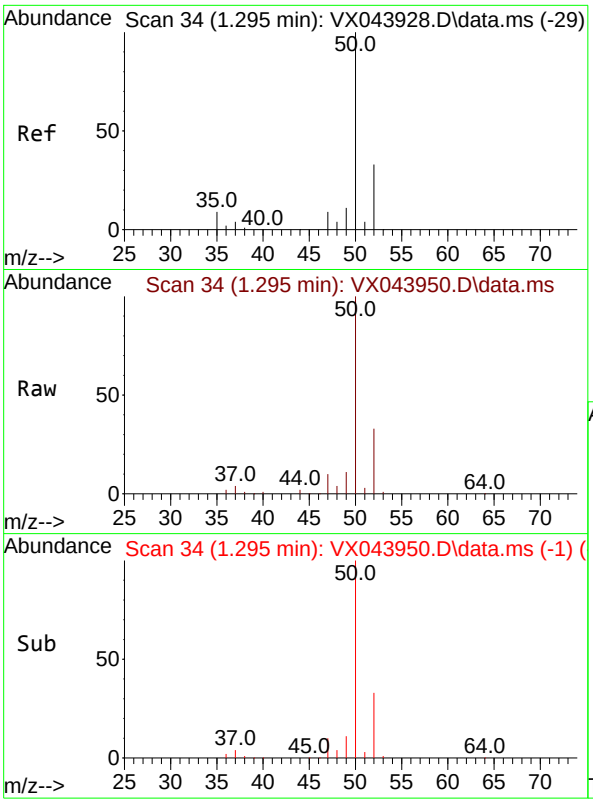


#2
Dichlorodifluoromethane
Concen: 55.175 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.8



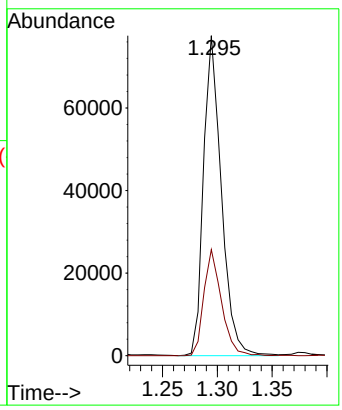


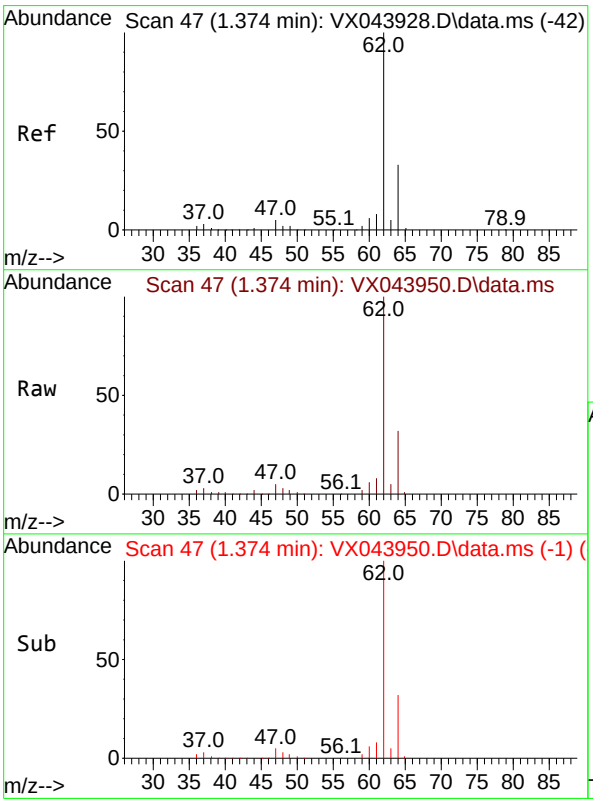
#3
Chloromethane
Concen: 54.963 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 87811

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

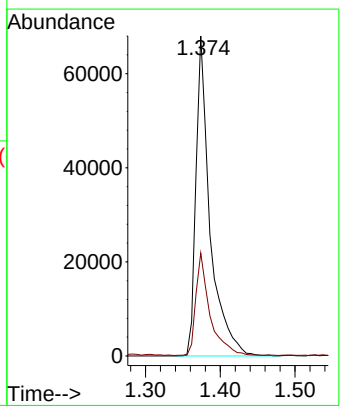


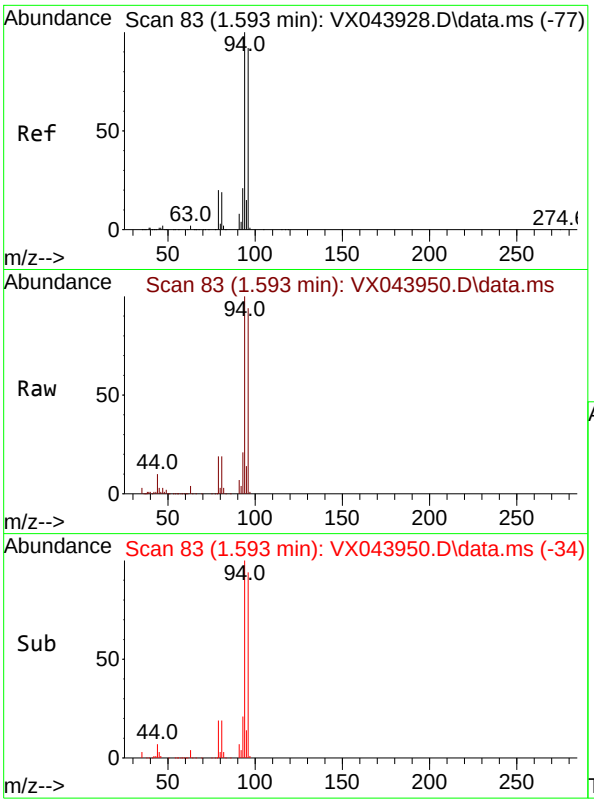


#4
Vinyl Chloride
Concen: 52.301 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 88877

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



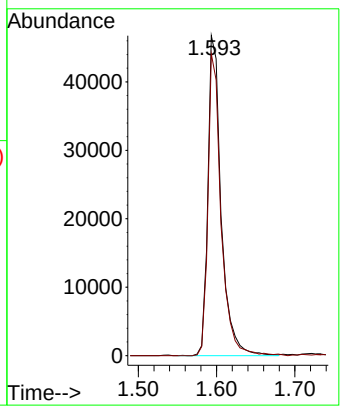


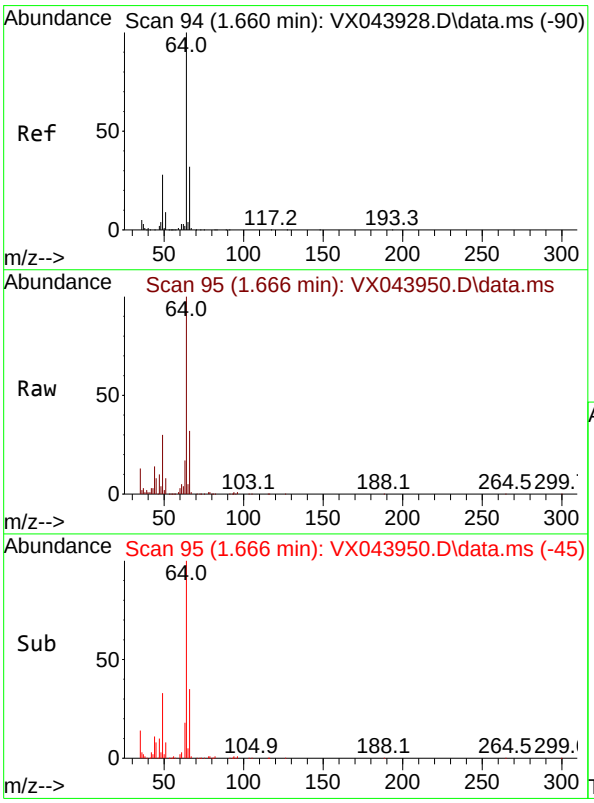
#5
Bromomethane
Concen: 52.486 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 54869

Ion	Ratio	Lower	Upper
94	100		
96	94.3	73.9	110.9

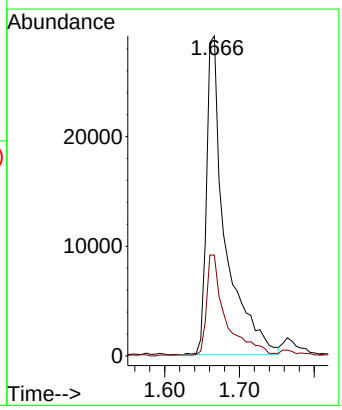


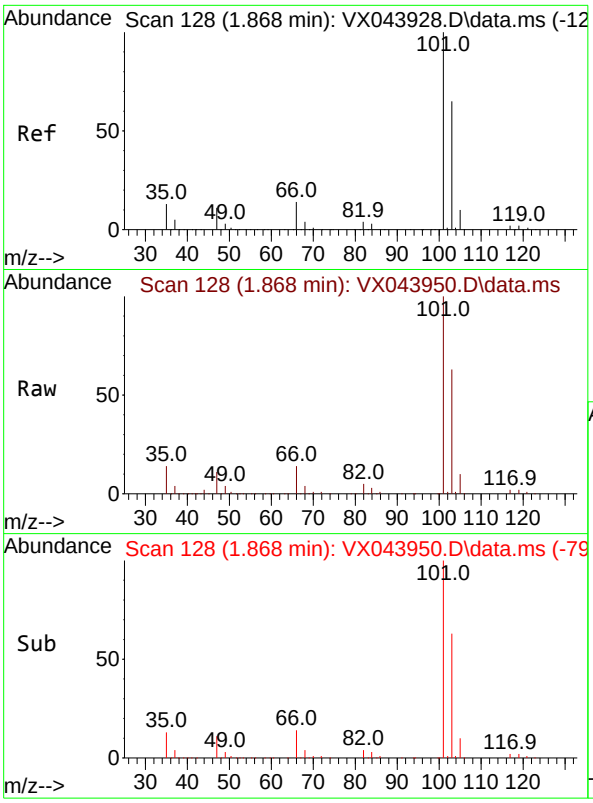


#6
Chloroethane
Concen: 48.505 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 50225

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.9	38.9



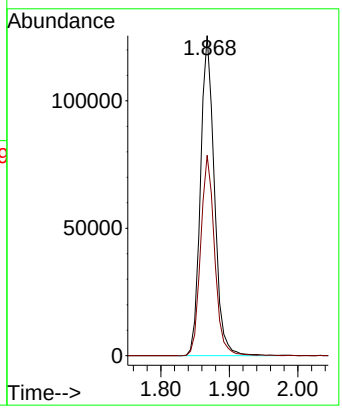


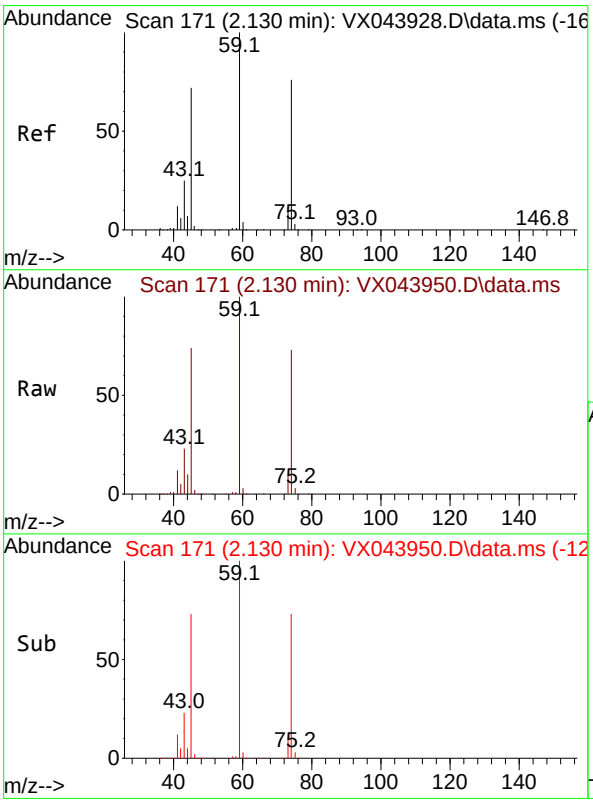
#7
Trichlorofluoromethane
Concen: 58.296 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 177113

Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.2

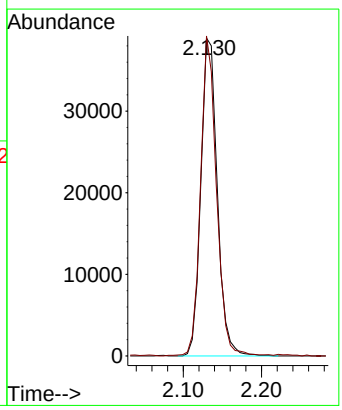


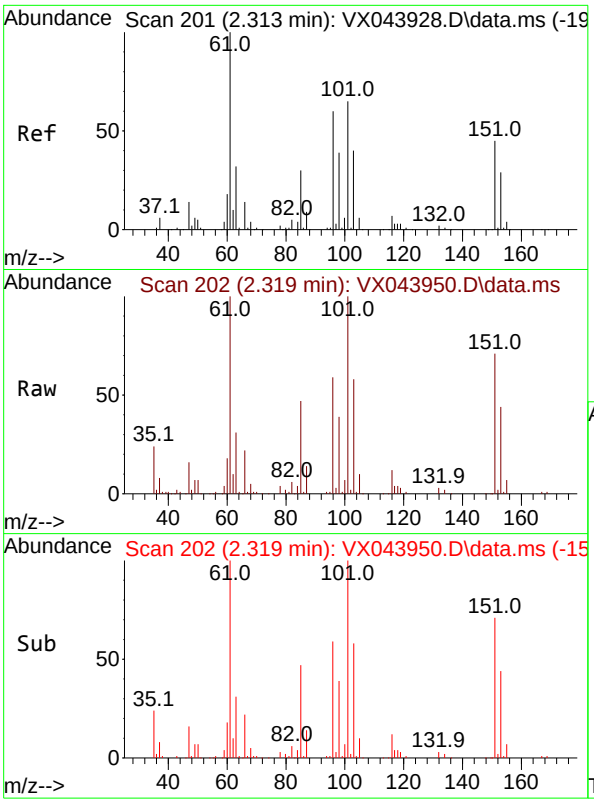


#8
Diethyl Ether
Concen: 51.158 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.6



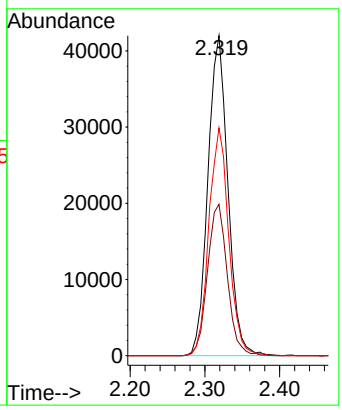


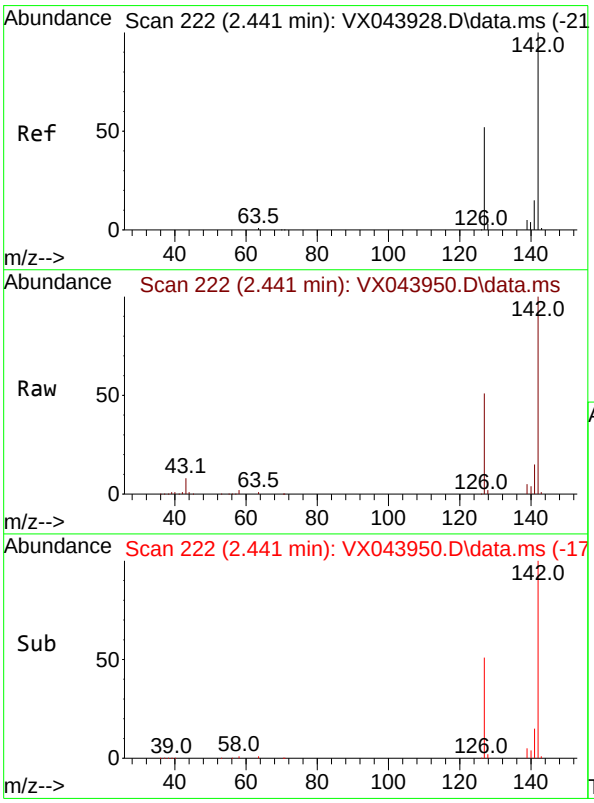
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.892 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 78101

Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.9	56.9
151	70.9	57.5	86.3

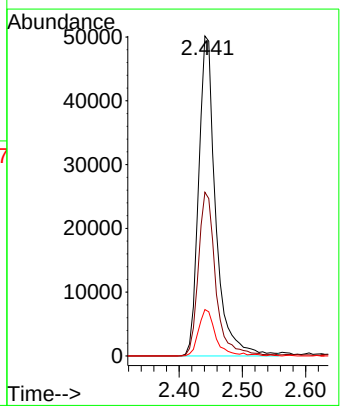


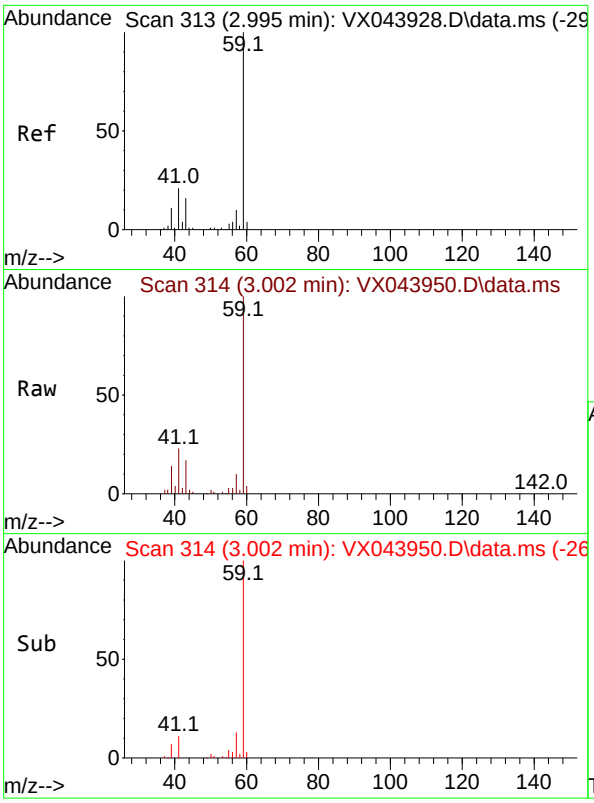


#10
Methyl Iodide
Concen: 52.213 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.7	61.1
141	14.7	12.0	18.0



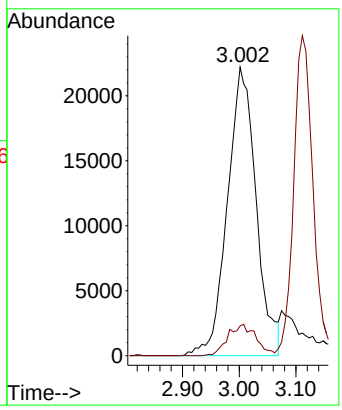


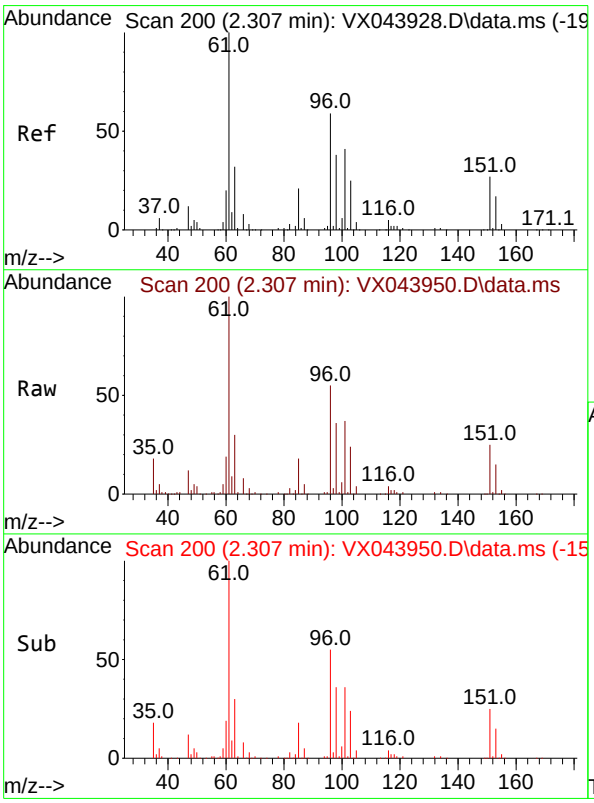
#11
Tert butyl alcohol
Concen: 236.901 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 78161

Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9

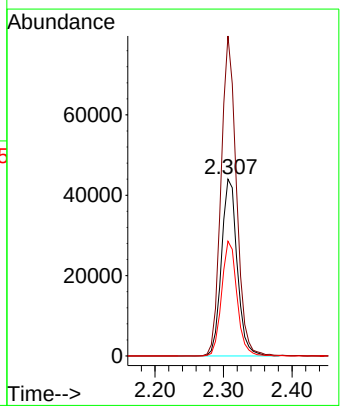


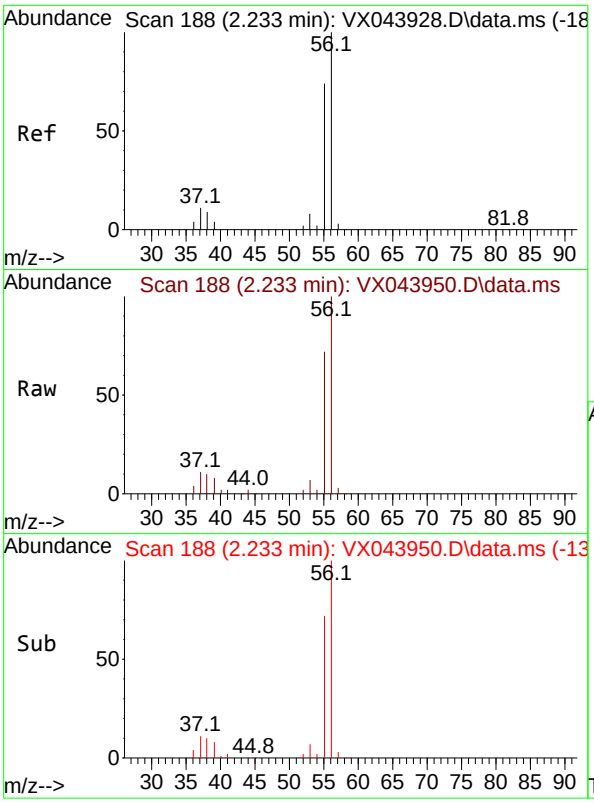


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 70195

Ion	Ratio	Lower	Upper
96	100		
61	181.0	135.5	203.3
98	64.9	50.8	76.2



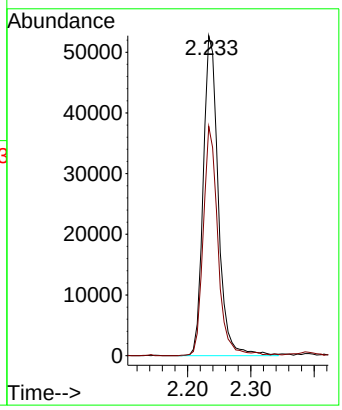


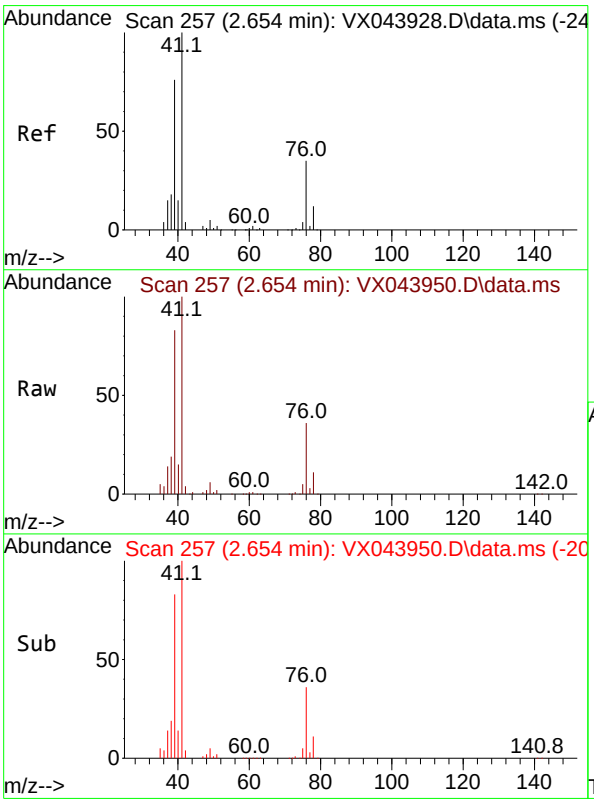
#13
Acrolein
Concen: 251.363 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 87414

Ion	Ratio	Lower	Upper
56	100		
55	69.6	58.2	87.2

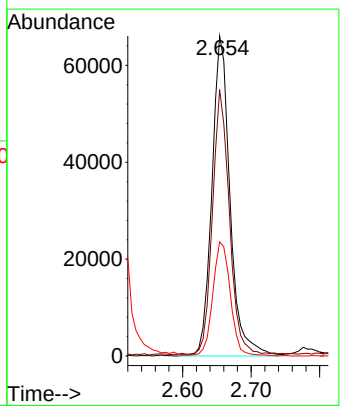


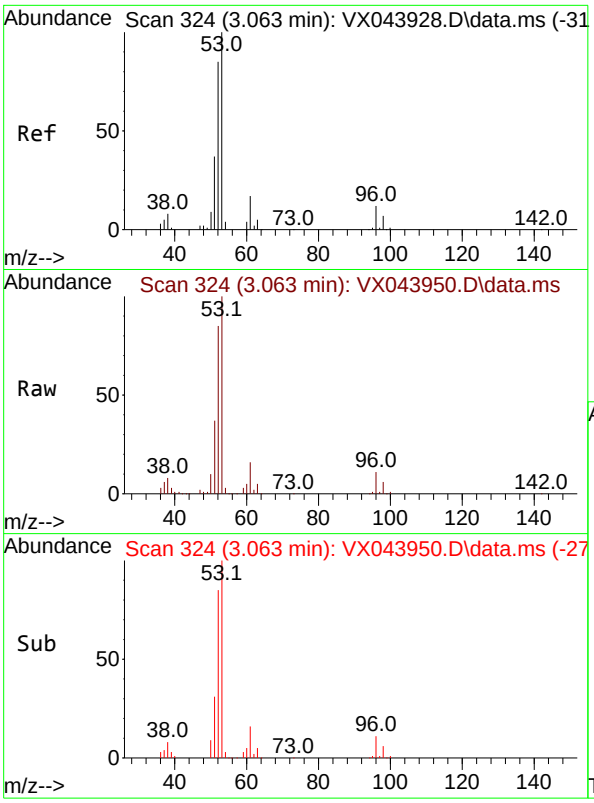


#14
Allyl chloride
Concen: 53.777 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 121345

Ion	Ratio	Lower	Upper
41	100		
39	76.8	59.5	89.3
76	34.5	27.4	41.2



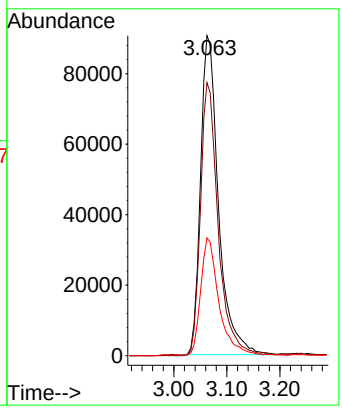


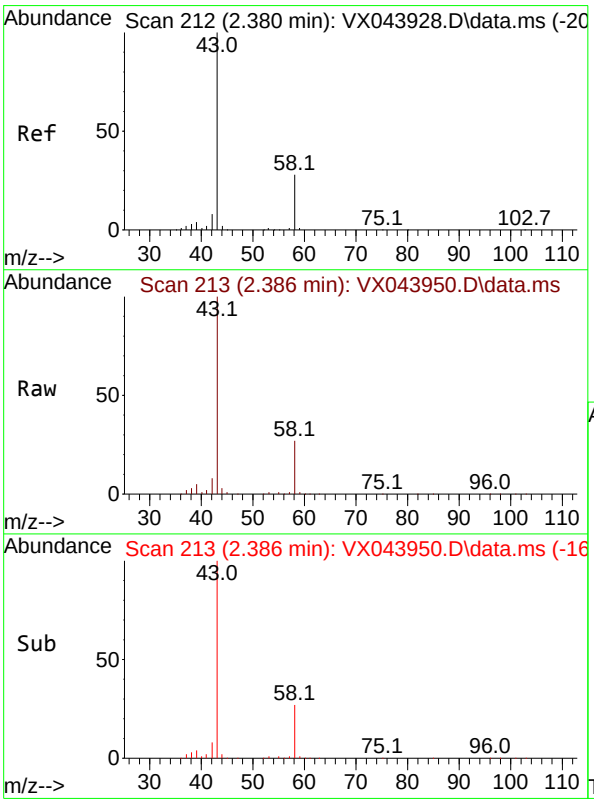
#15
Acrylonitrile
Concen: 265.550 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 213507

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.5	99.7
51	37.3	30.2	45.4

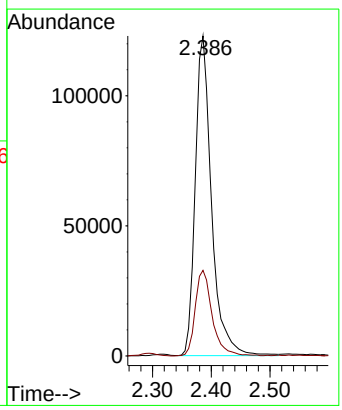


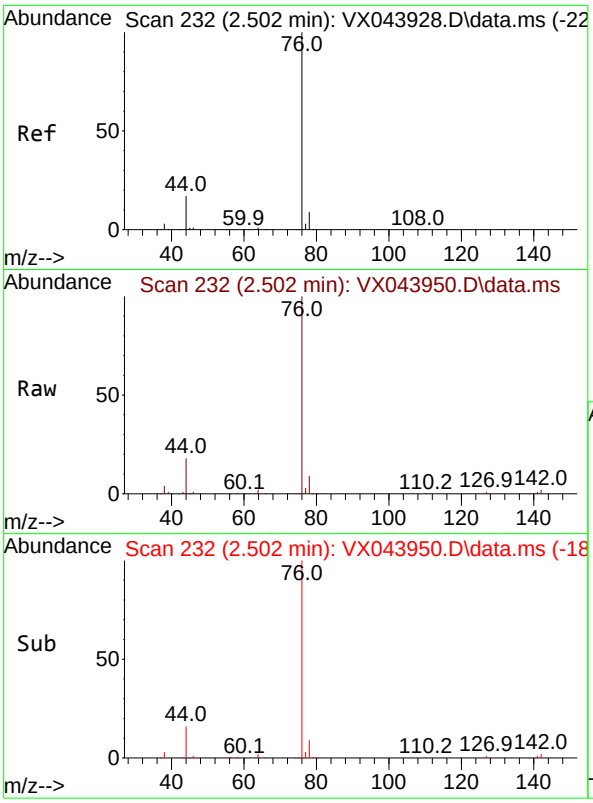


#16
Acetone
Concen: 250.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236749

Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.7	34.1



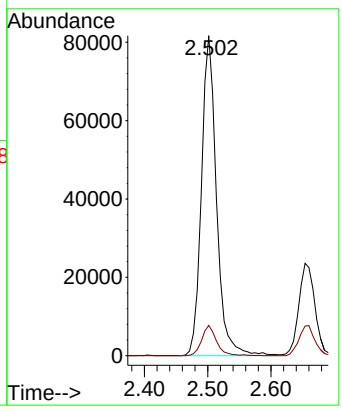


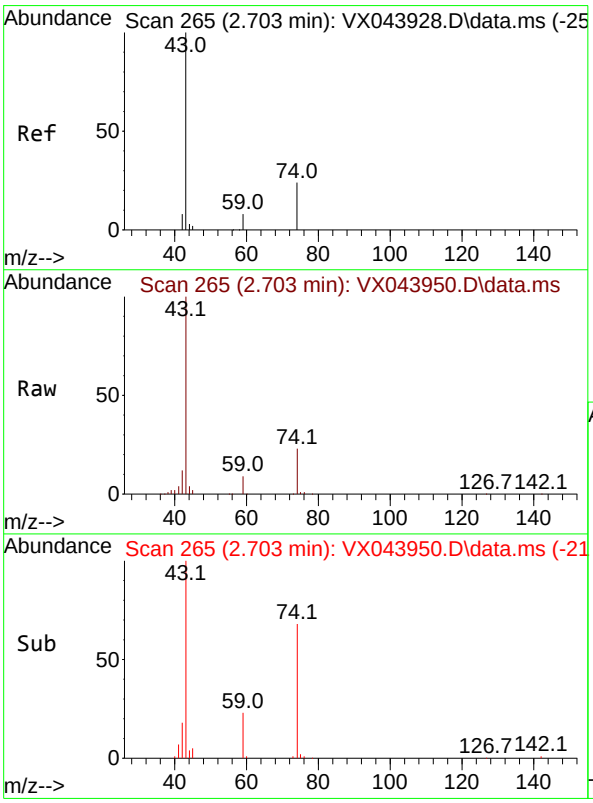
#17
Carbon Disulfide
Concen: 47.616 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 135635

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

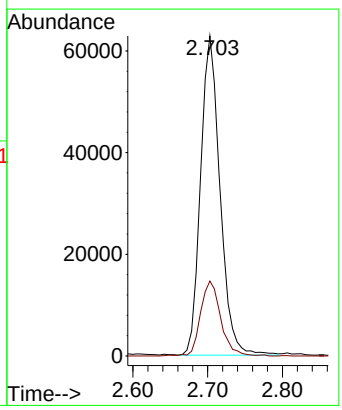


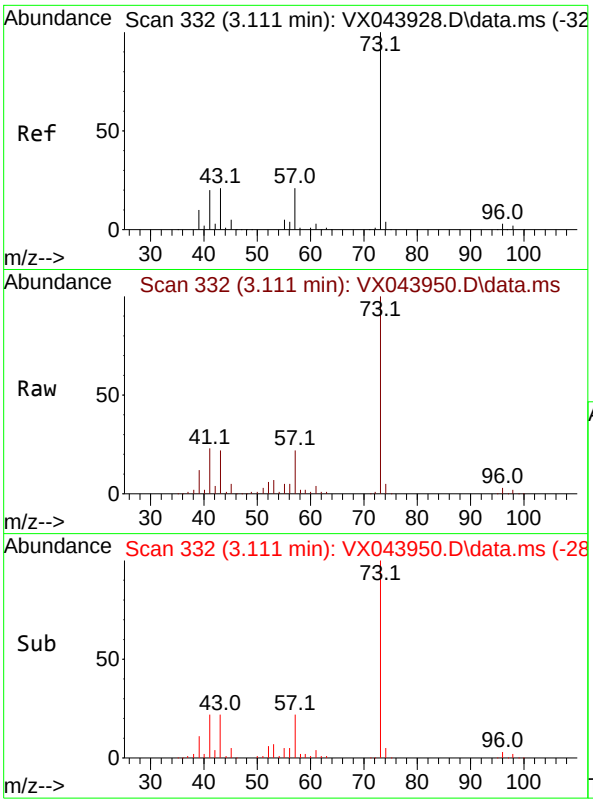


#18
Methyl Acetate
Concen: 51.629 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509

Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3



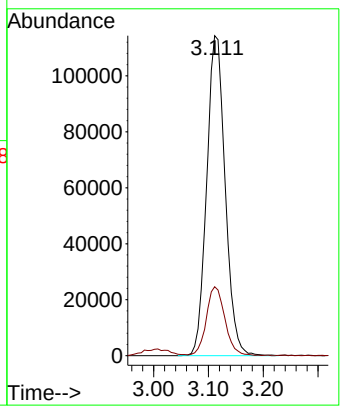


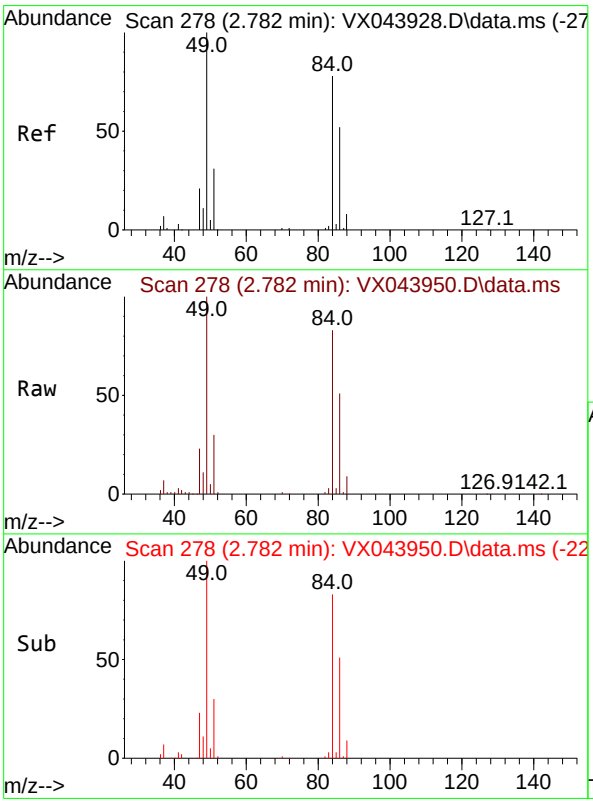
#19
Methyl tert-butyl Ether
Concen: 53.261 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 267063

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6

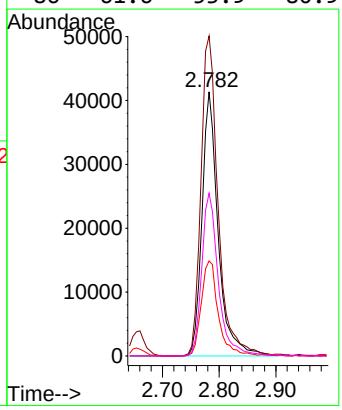


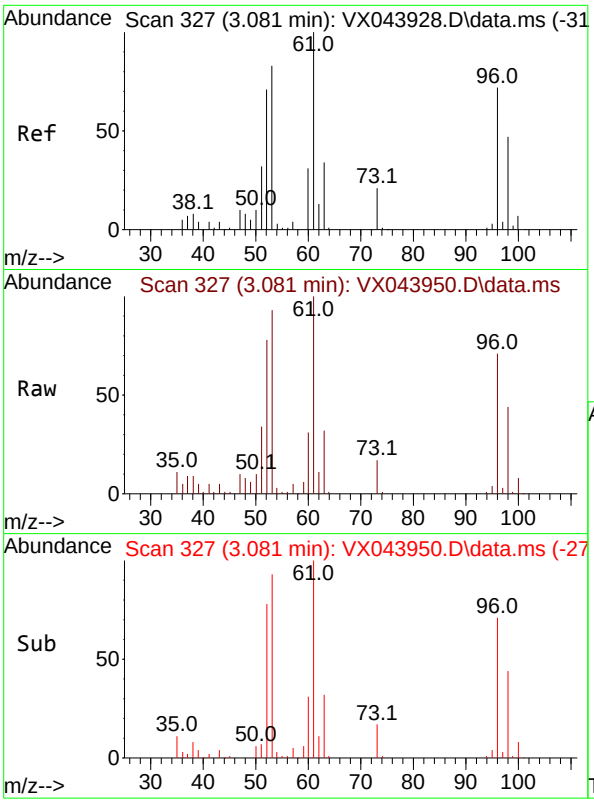


#20
Methylene Chloride
Concen: 51.146 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941

Ion	Ratio	Lower	Upper
84	100		
49	121.1	102.7	154.1
51	36.0	31.7	47.5
86	61.6	53.9	80.9



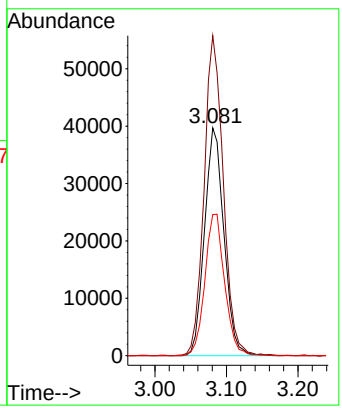


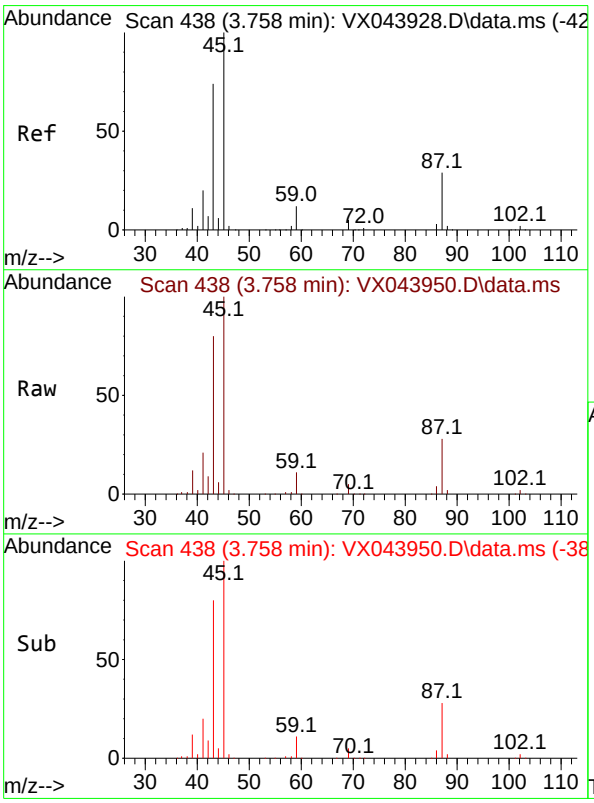
#21
trans-1,2-Dichloroethene
Concen: 52.461 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 74796

Ion	Ratio	Lower	Upper
96	100		
61	140.3	111.8	167.6
98	61.9	52.7	79.1

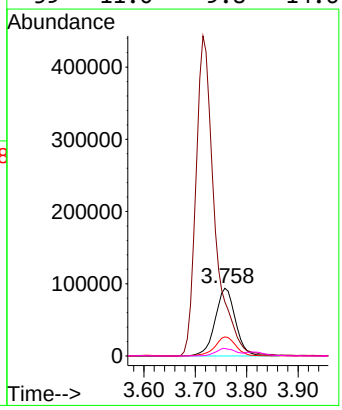


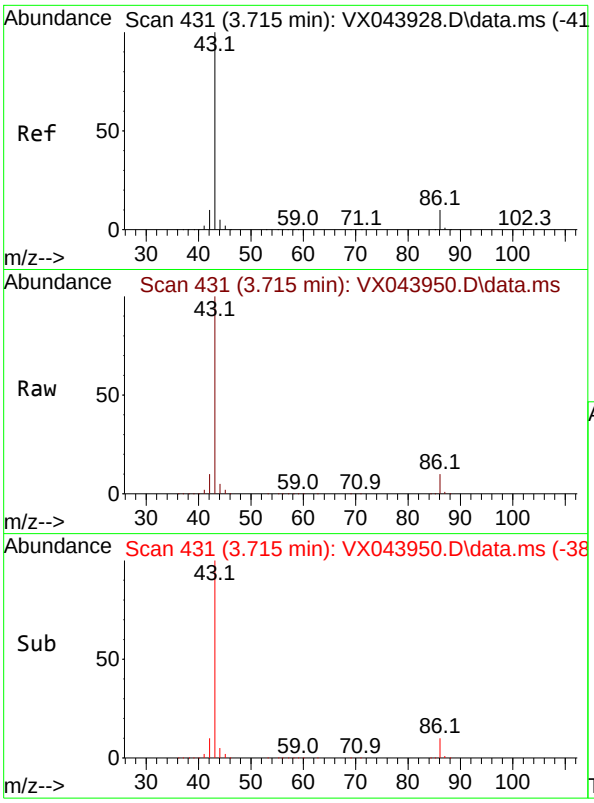


#22
Diisopropyl ether
Concen: 53.416 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734

Ion	Ratio	Lower	Upper
45	100		
43	79.7	59.6	89.4
87	28.1	22.9	34.3
59	11.0	9.8	14.6



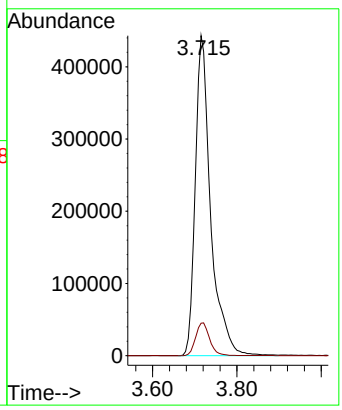


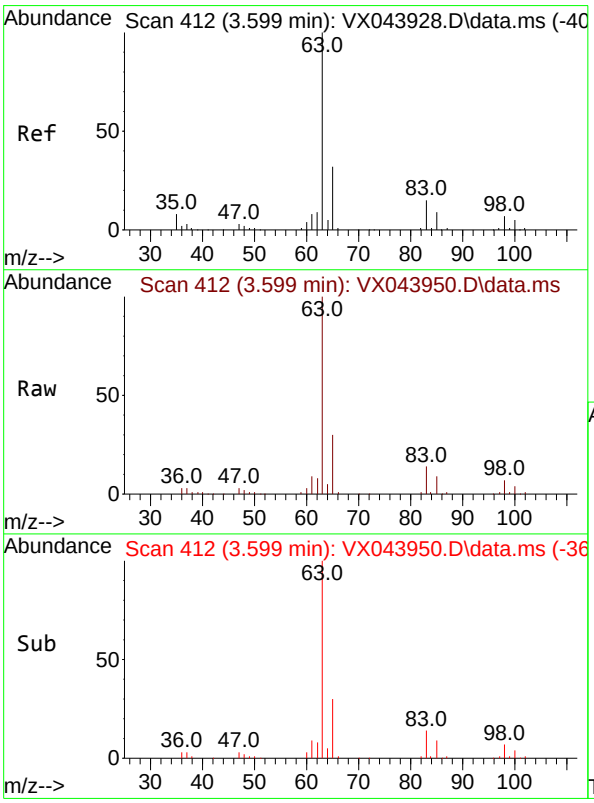
#23
Vinyl Acetate
Concen: 272.921 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1126489

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

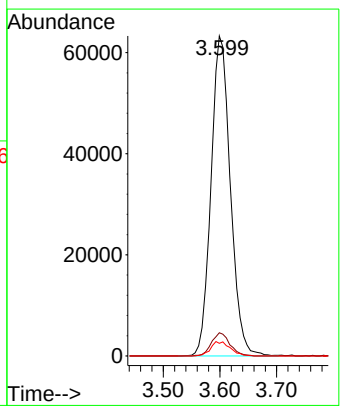


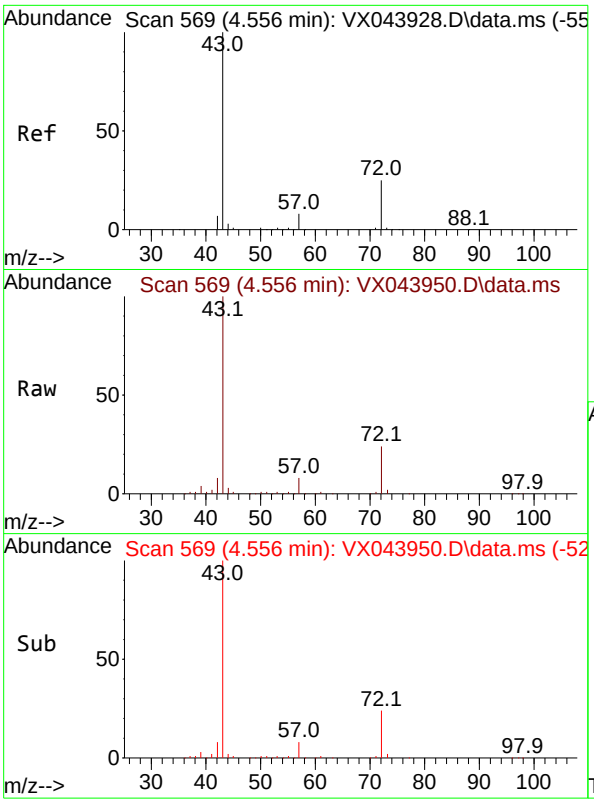


#24
1,1-Dichloroethane
Concen: 53.913 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 150069

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.6
100	3.9	2.4	7.1



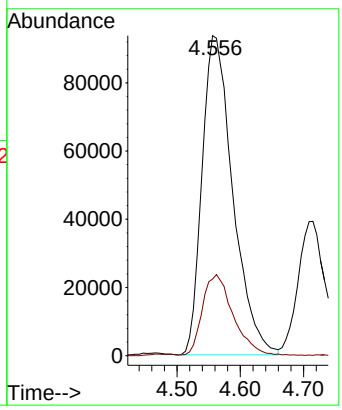


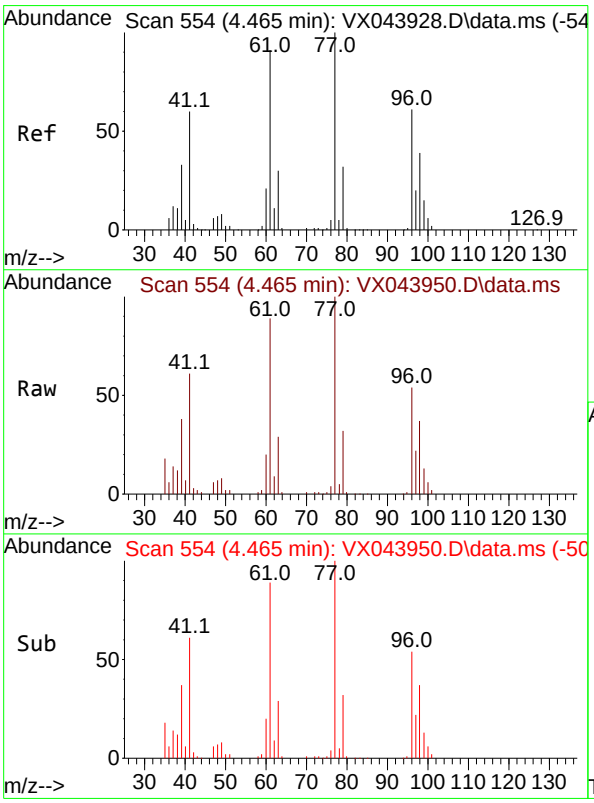
#25
2-Butanone
Concen: 259.902 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 316605

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.2	30.2

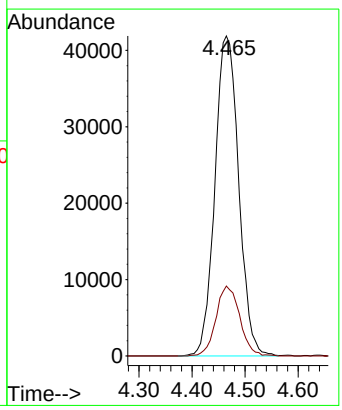


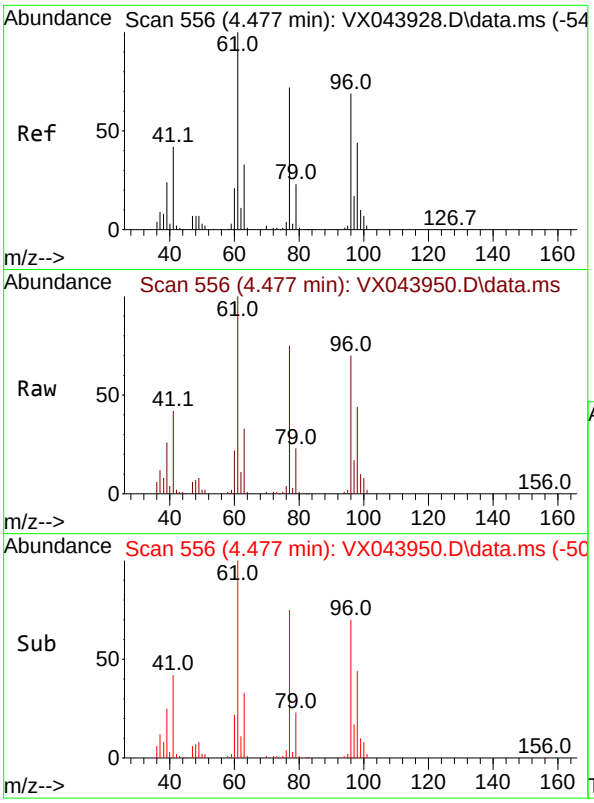


#26
2,2-Dichloropropane
Concen: 51.956 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 130610

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3



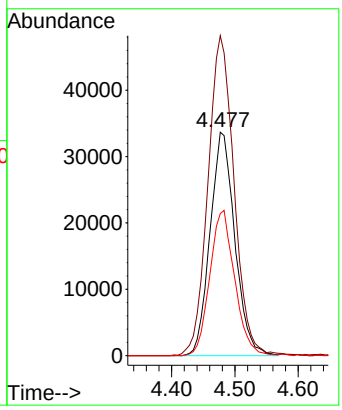


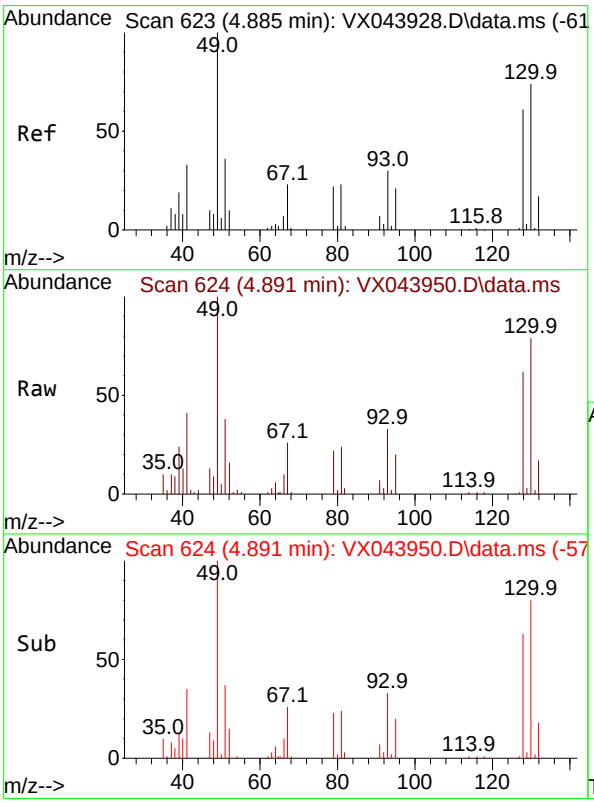
#27
cis-1,2-Dichloroethene
Concen: 52.023 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 91683

Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	297.4
98	65.3	0.0	127.8

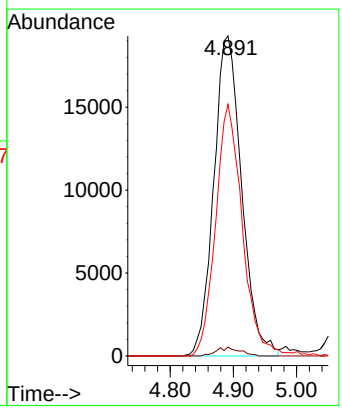


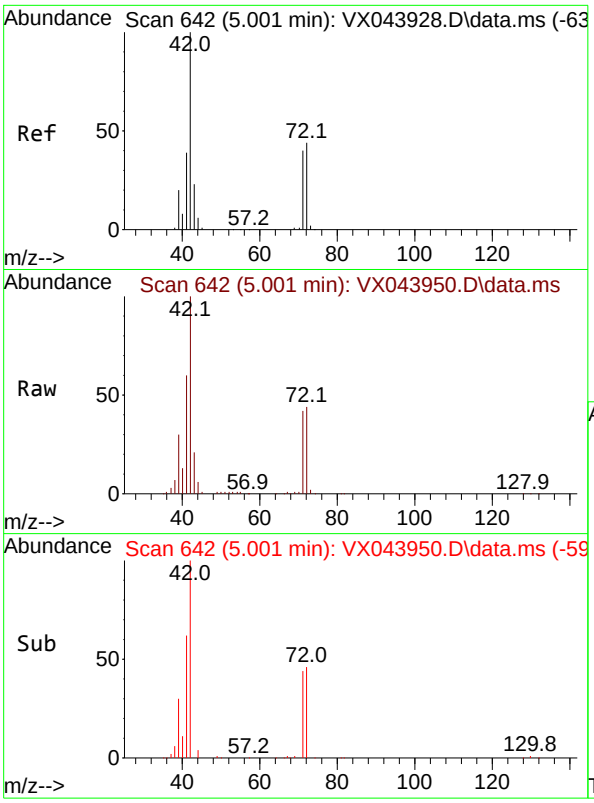


#28
Bromochloromethane
Concen: 48.235 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 59099

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	74.9	59.0	88.6



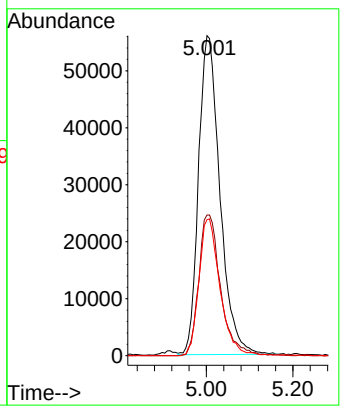


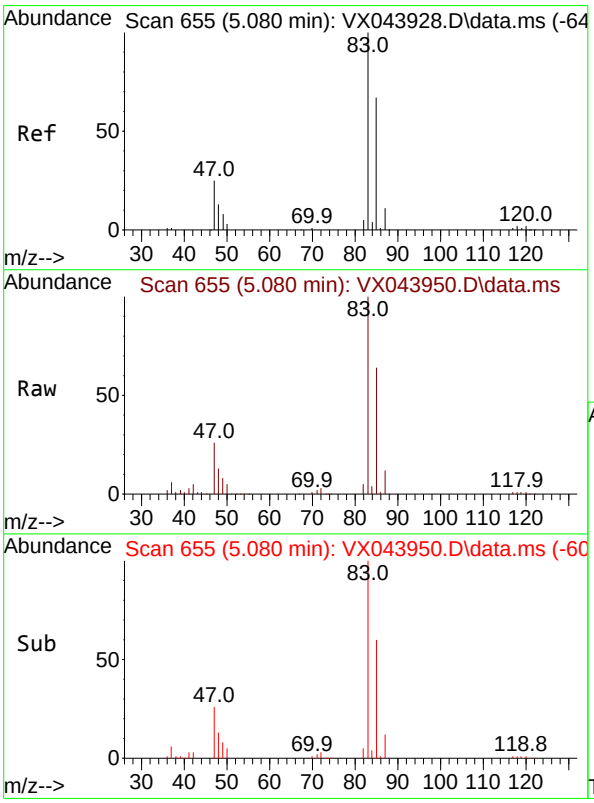
#29
Tetrahydrofuran
Concen: 257.216 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 192093

Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.2	33.4	50.0

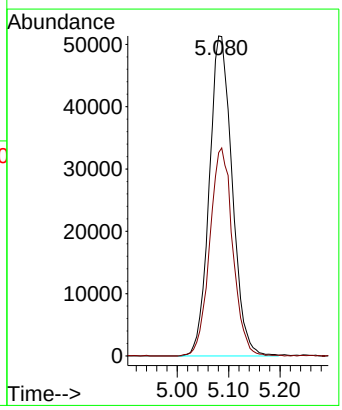


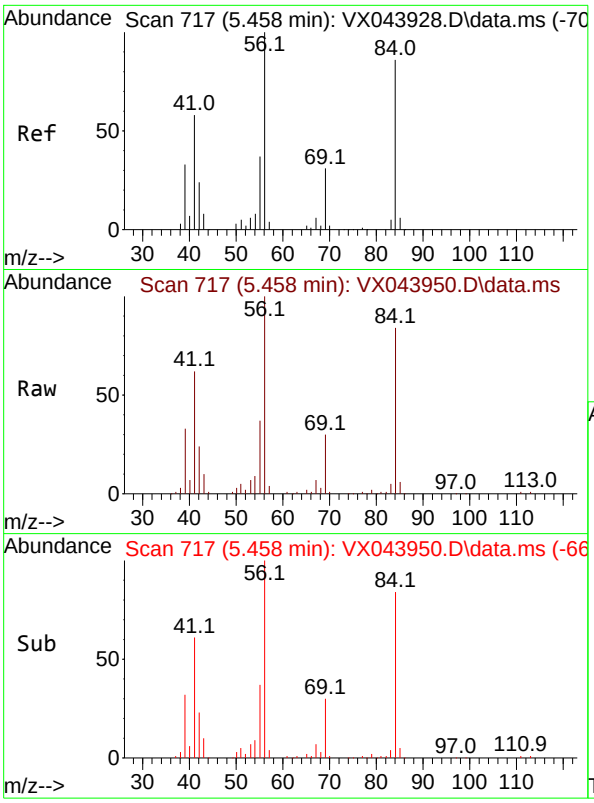


#30
Chloroform
Concen: 53.043 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 158800

Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.5	80.3



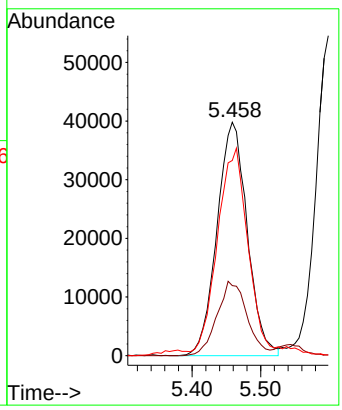


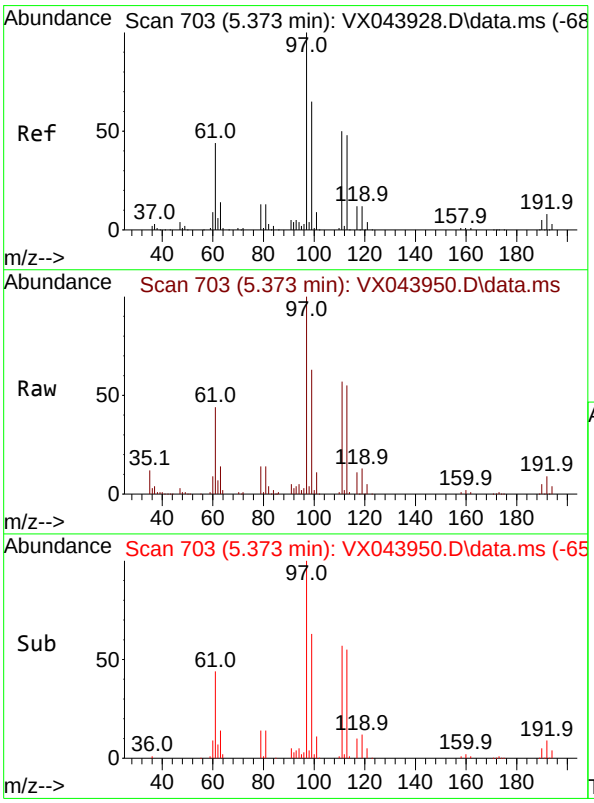
#31
Cyclohexane
Concen: 53.324 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 122162

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.7	37.1
84	81.2	68.7	103.1

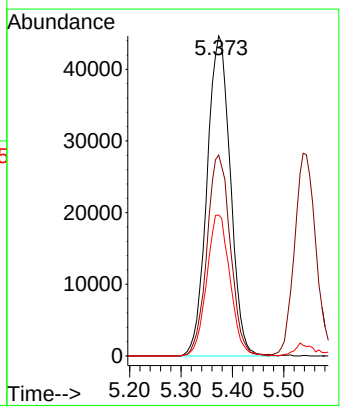


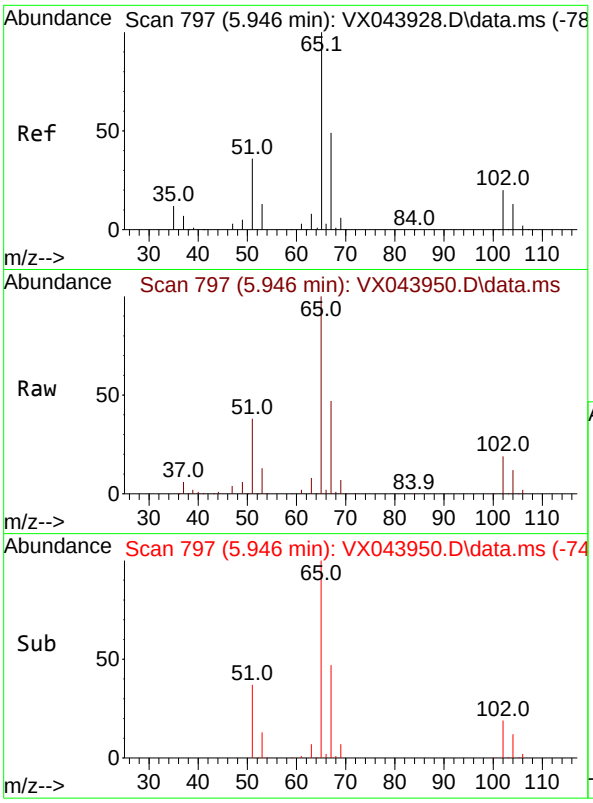


#32
1,1,1-Trichloroethane
Concen: 54.526 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 140772

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.8	76.2
61	44.3	35.4	53.2



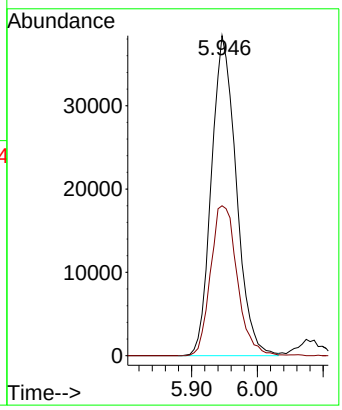


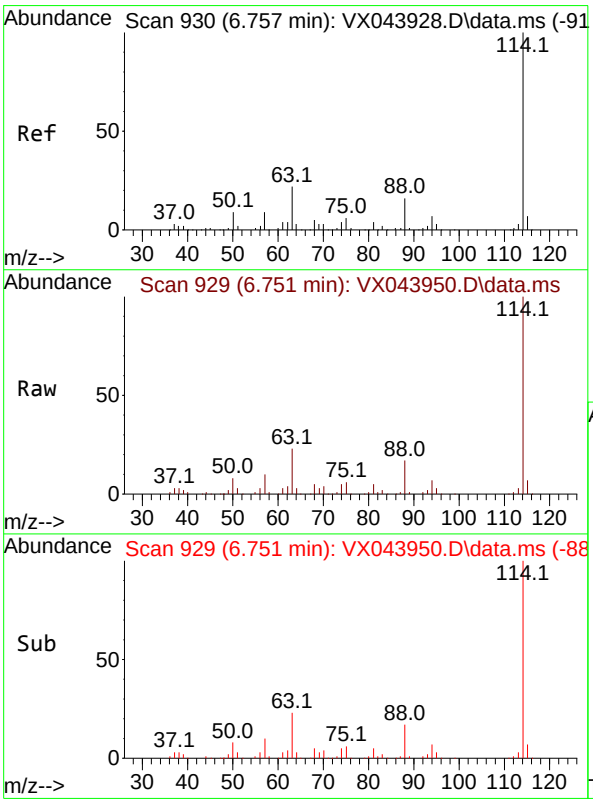
#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 100999

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	100.8

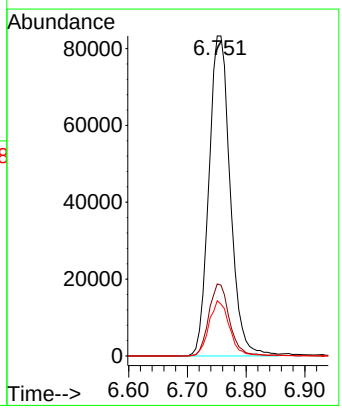


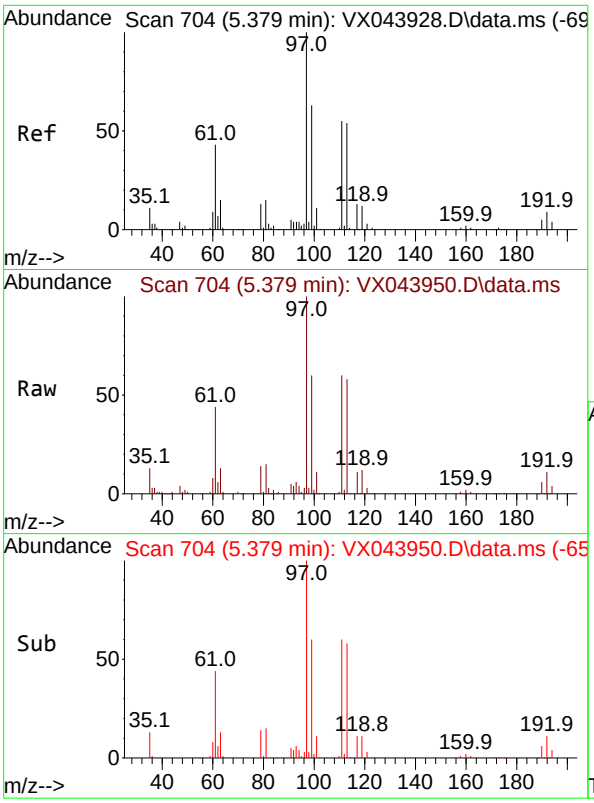


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 210147

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	17.3	0.0	32.4



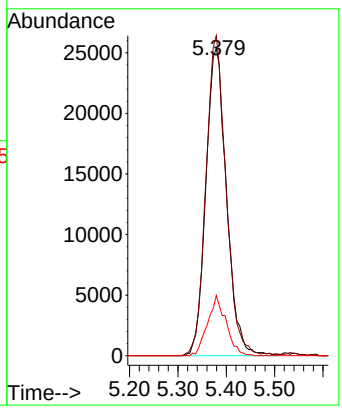


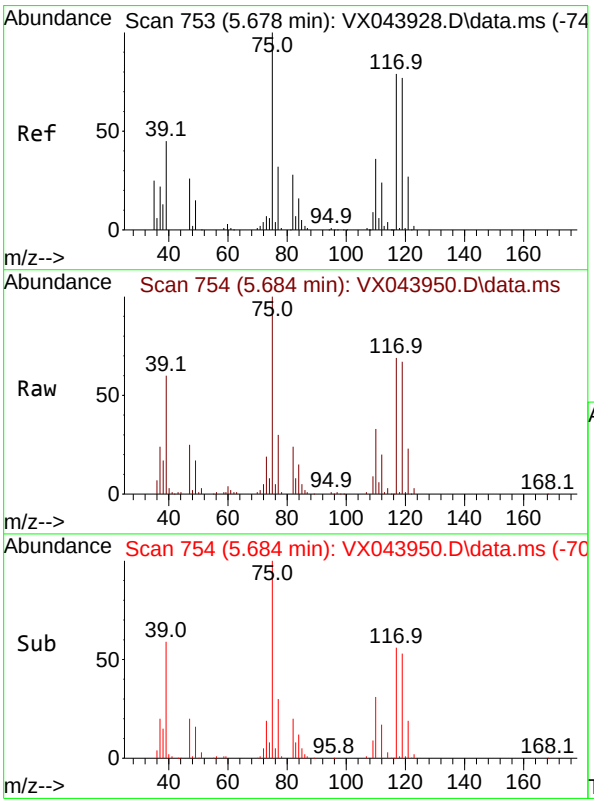
#35
Dibromofluoromethane
Concen: 50.272 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 75489

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.0	121.4
192	17.5	13.0	19.6

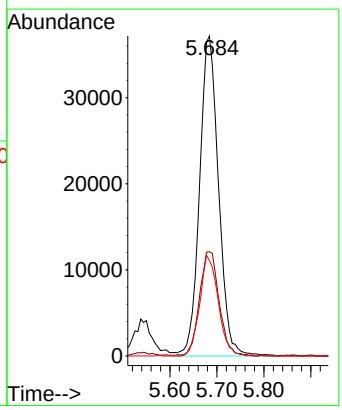


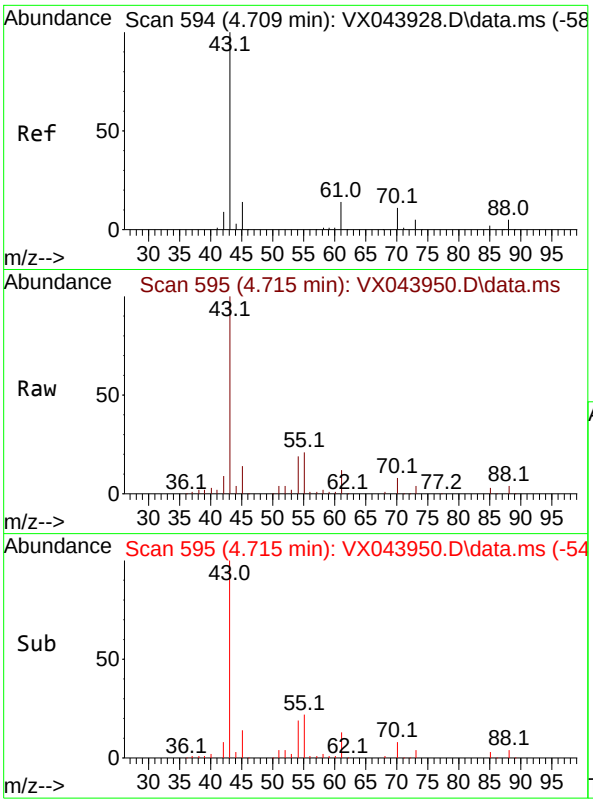


#36
1,1-Dichloropropene
Concen: 55.562 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.2
77	30.9	25.8	38.8



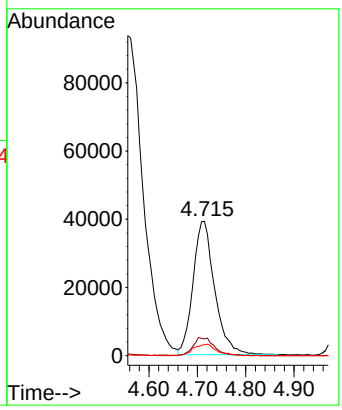


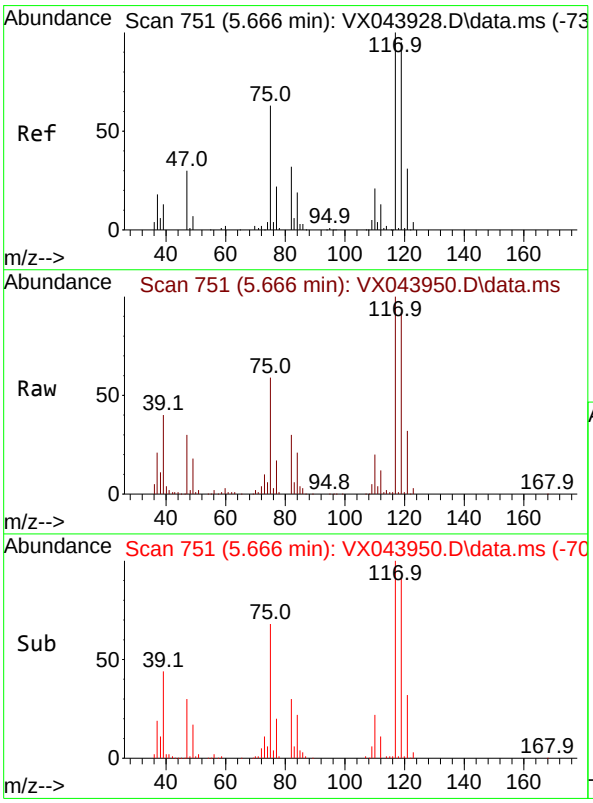
#37
Ethyl Acetate
Concen: 52.440 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 121804

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.2	8.0	12.0

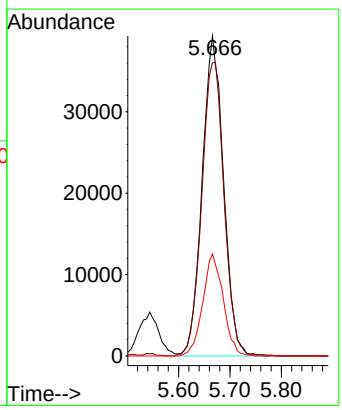


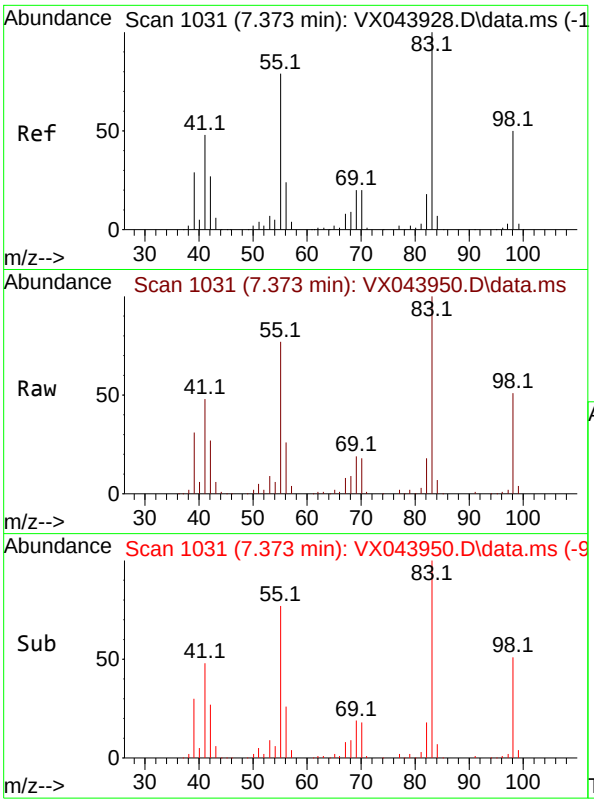


#38
Carbon Tetrachloride
Concen: 53.945 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 113421

Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.2	112.8
121	31.9	24.5	36.7



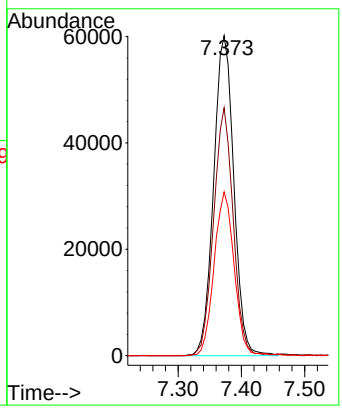


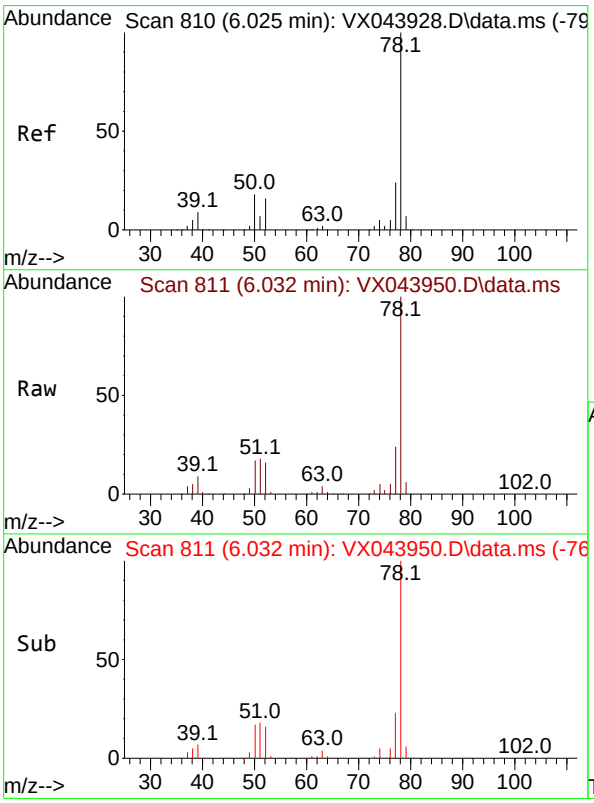
#39
Methylcyclohexane
Concen: 54.849 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 133332

Ion	Ratio	Lower	Upper
83	100		
55	77.4	63.1	94.7
98	51.2	40.0	60.0

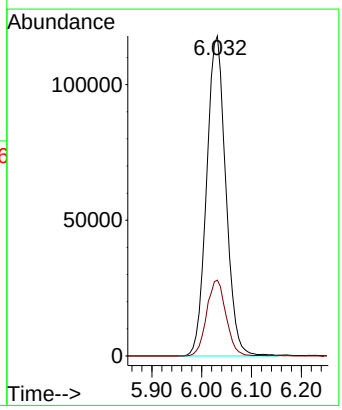


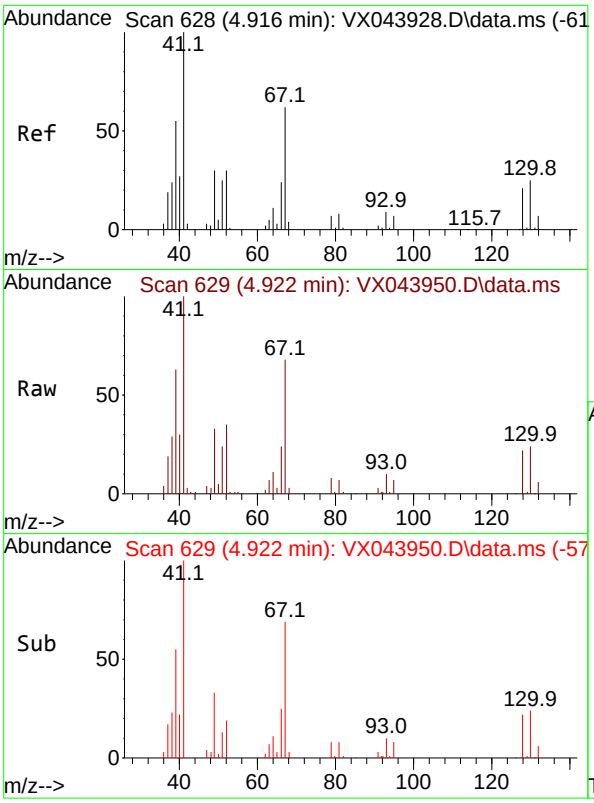


#40
Benzene
Concen: 54.016 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 314837

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



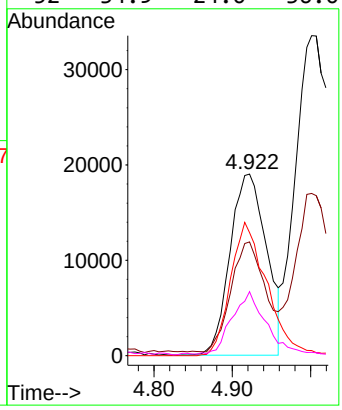


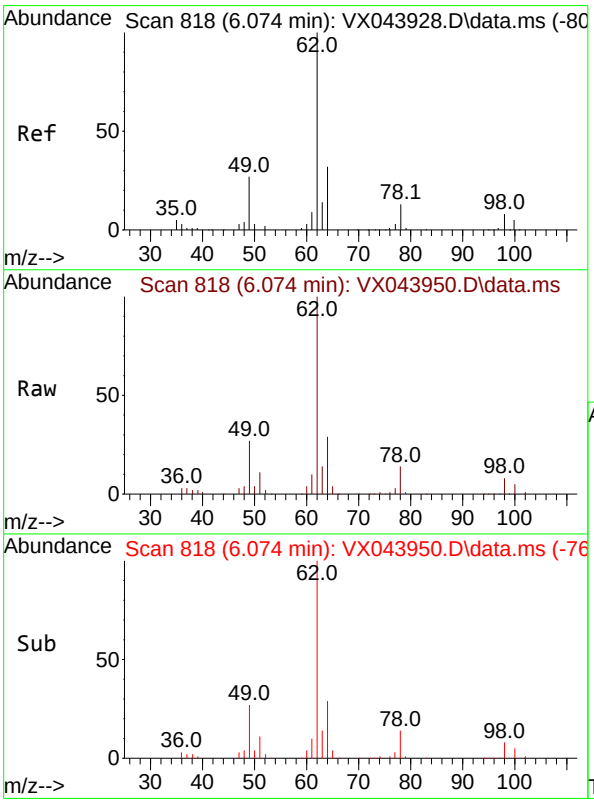
#41
Methacrylonitrile
Concen: 51.710 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 61474

Ion	Ratio	Lower	Upper
41	100		
39	57.2	41.7	62.5
67	74.2	55.8	83.8
52	34.9	24.0	36.0

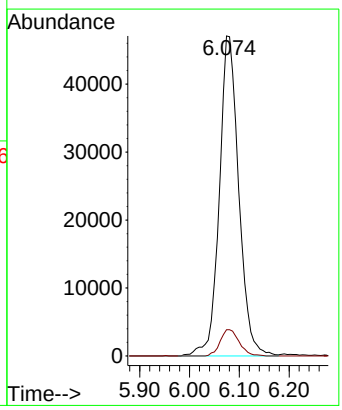


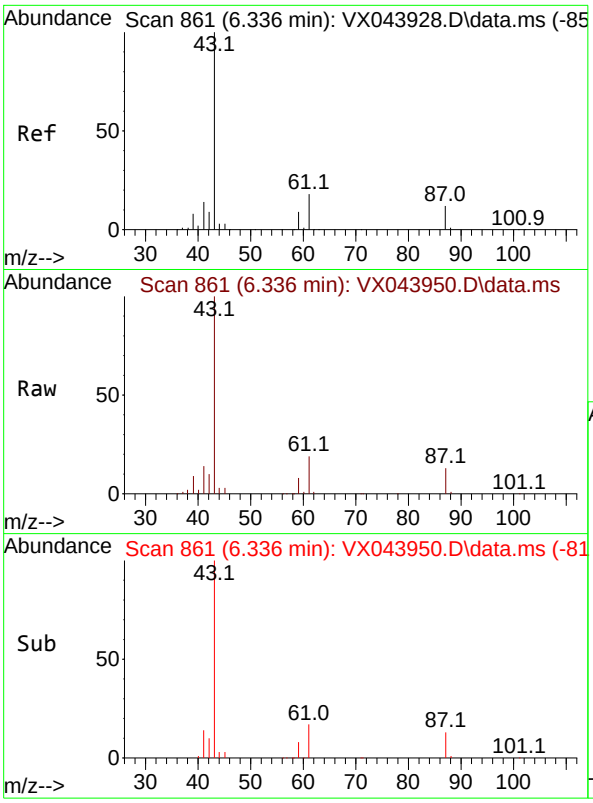


#42
1,2-Dichloroethane
Concen: 54.501 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 127580

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4



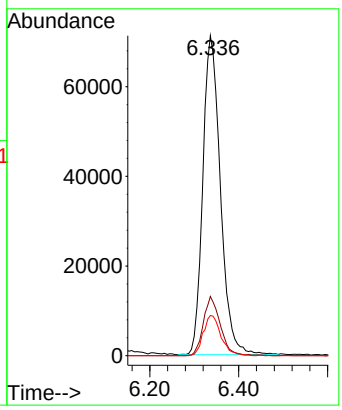


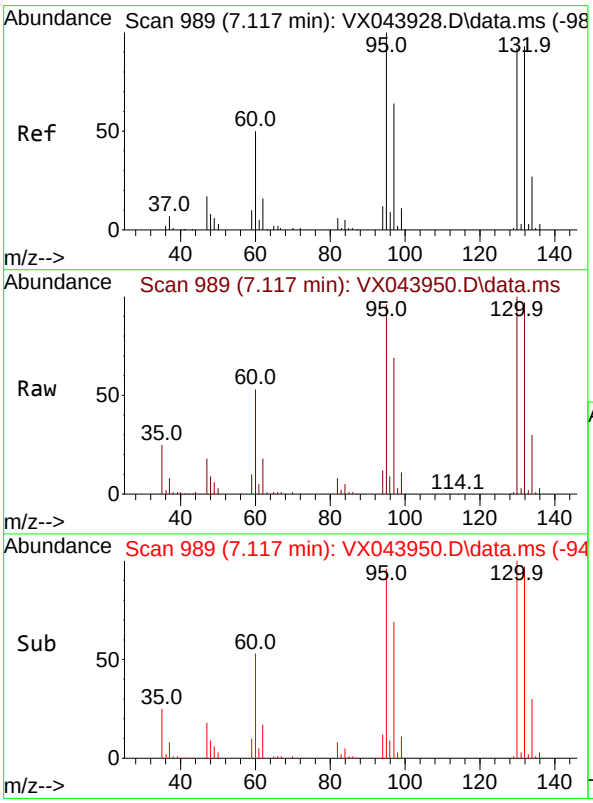
#43
Isopropyl Acetate
Concen: 53.153 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 196481

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.6	10.2	15.2

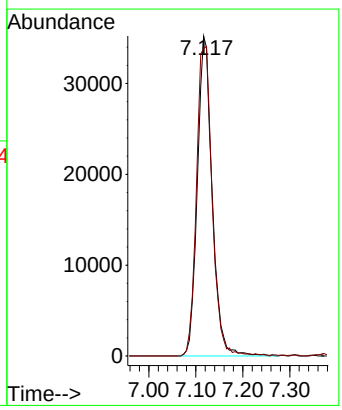


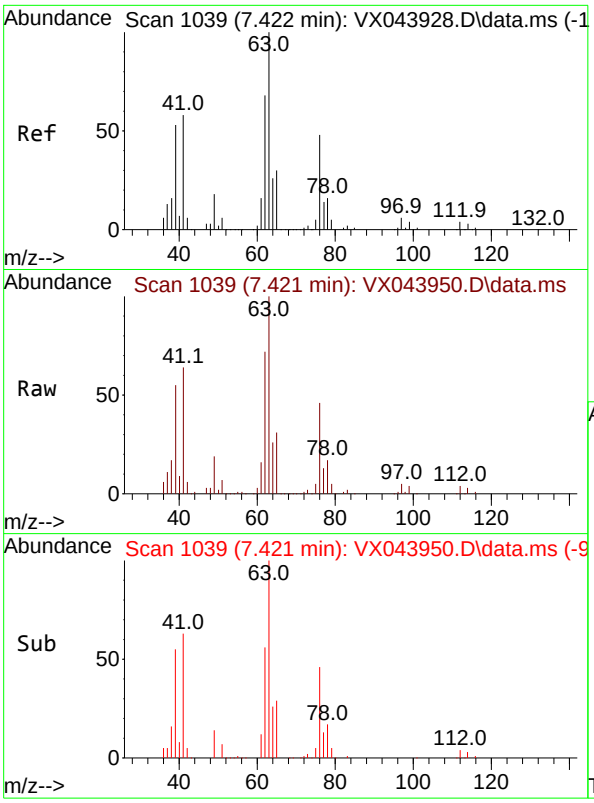


#44
Trichloroethene
Concen: 46.882 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 77355

Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	217.8



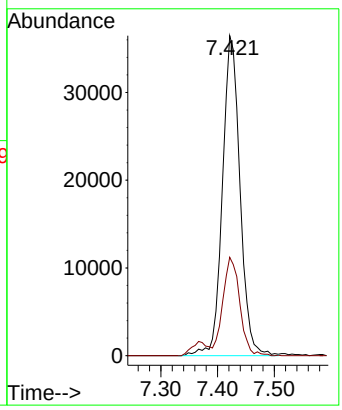


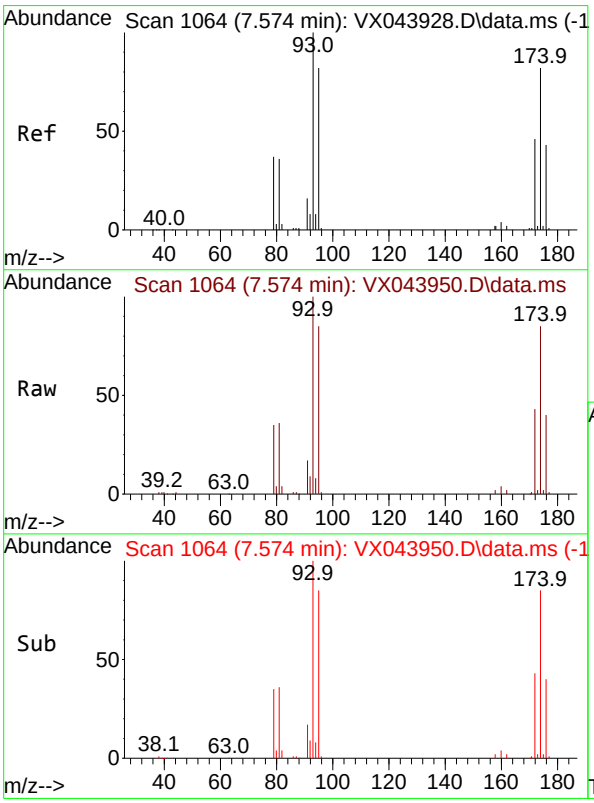
#45
1,2-Dichloropropane
Concen: 55.044 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 78579

Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.6

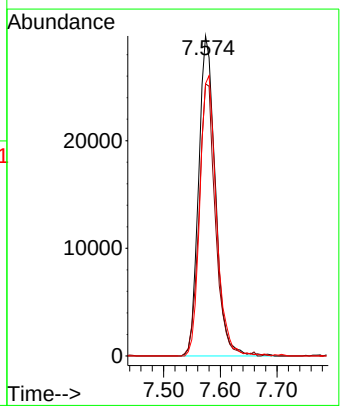


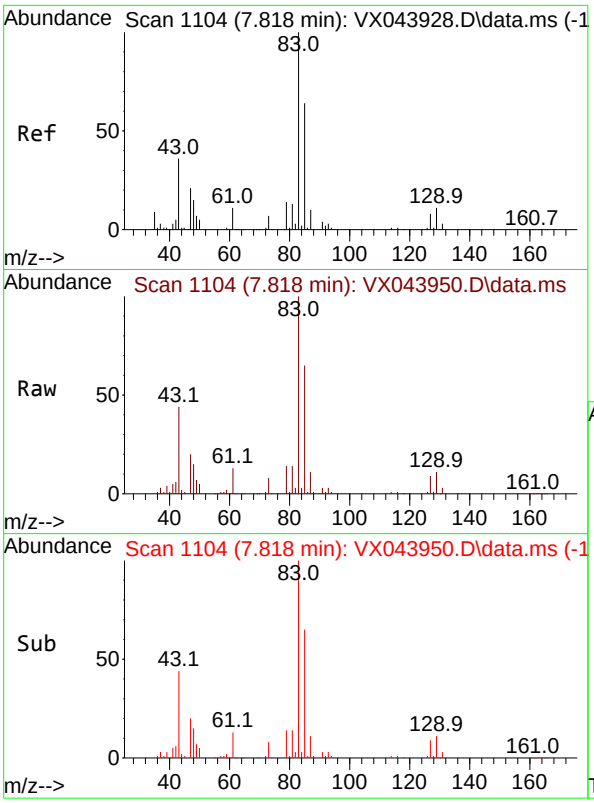


#46
Dibromomethane
Concen: 53.916 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 60885

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	87.1	69.6	104.4



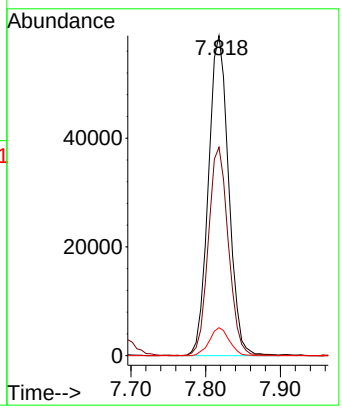


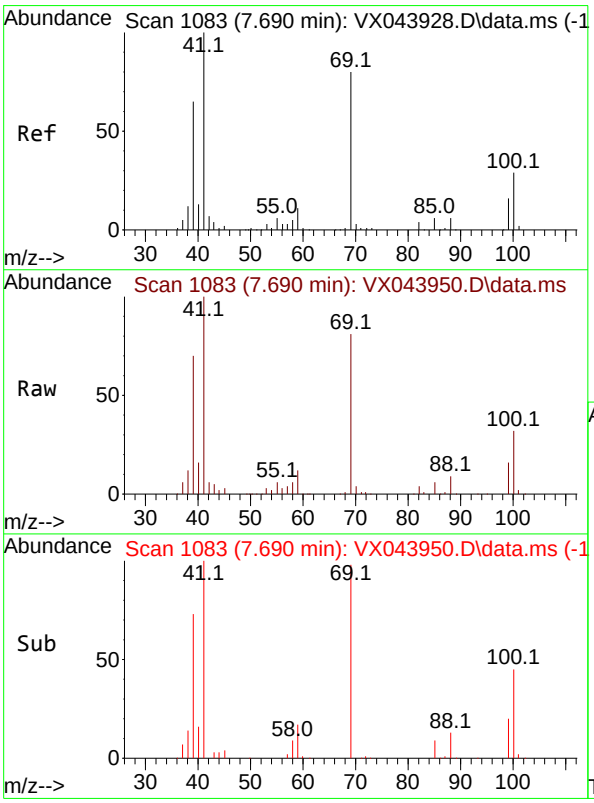
#47
Bromodichloromethane
Concen: 54.645 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 110672

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.0
127	8.8	6.6	10.0

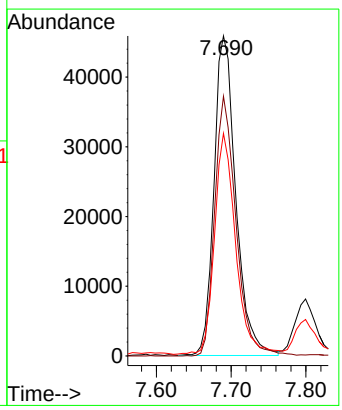


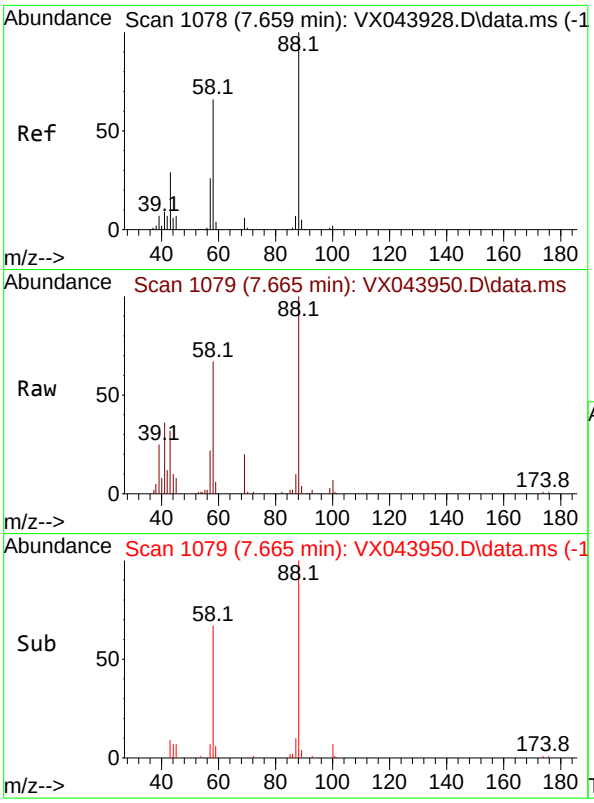


#48
Methyl methacrylate
Concen: 52.453 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037

Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.6	97.0
39	66.9	53.3	79.9



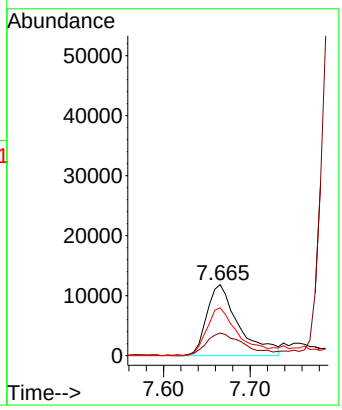


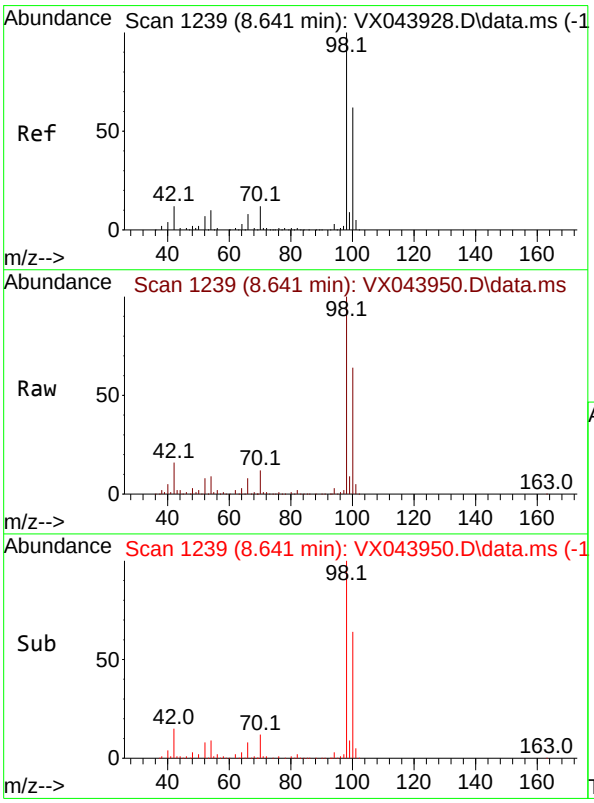
#49
1,4-Dioxane
Concen: 956.809 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 30231

Ion	Ratio	Lower	Upper
88	100		
43	37.9	26.8	40.2
58	66.2	45.4	68.2

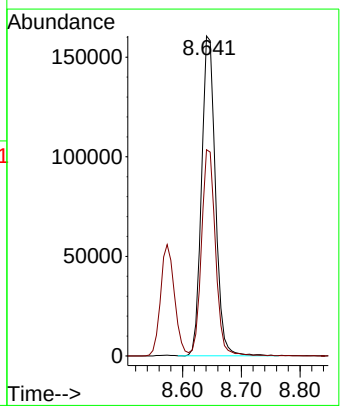


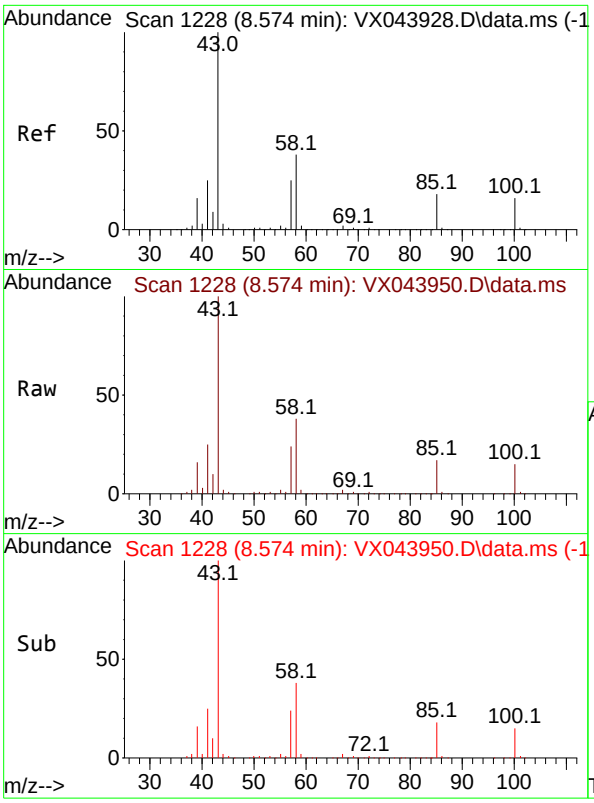


#50
Toluene-d8
Concen: 50.769 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 262790

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



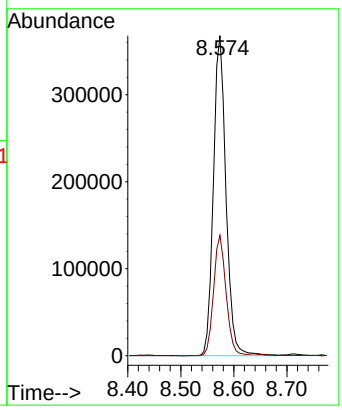


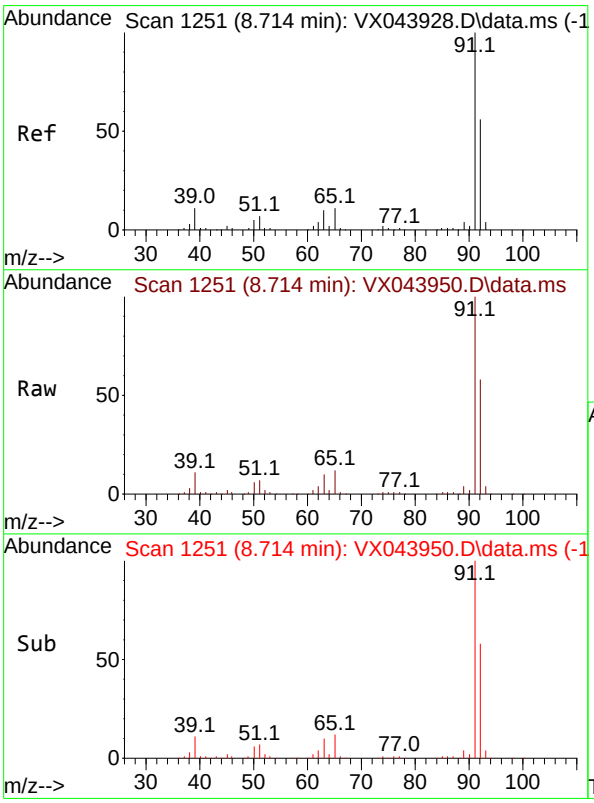
#51
4-Methyl-2-Pentanone
Concen: 269.433 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 607788

Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.0	45.0

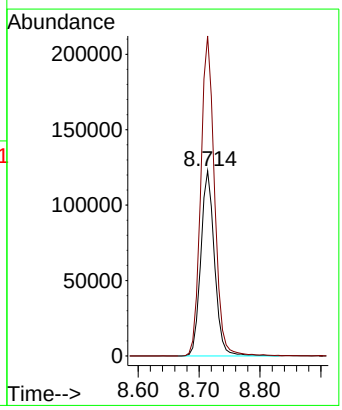


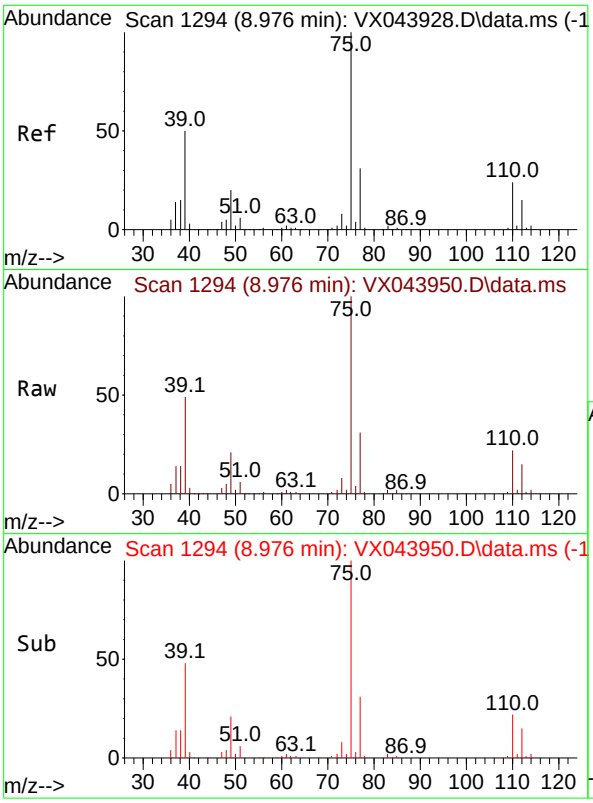


#52
Toluene
Concen: 54.965 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750

Ion	Ratio	Lower	Upper
92	100		
91	174.2	139.7	209.5



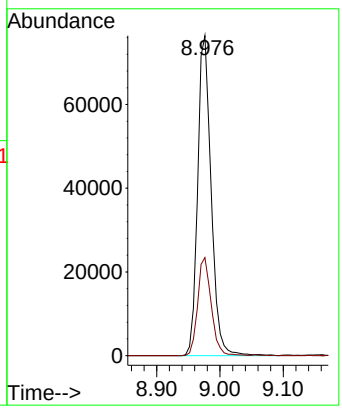


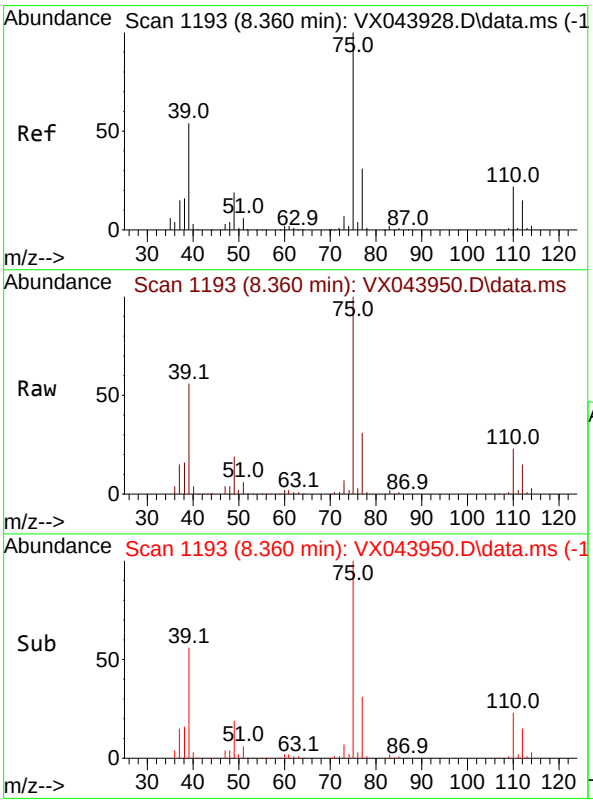
#53
t-1,3-Dichloropropene
Concen: 54.971 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 113533

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7

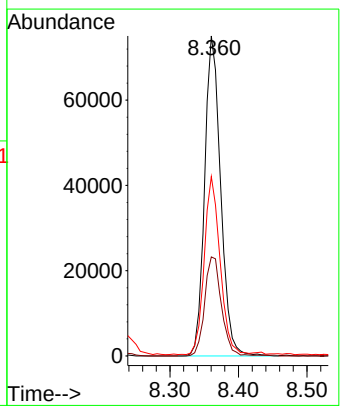


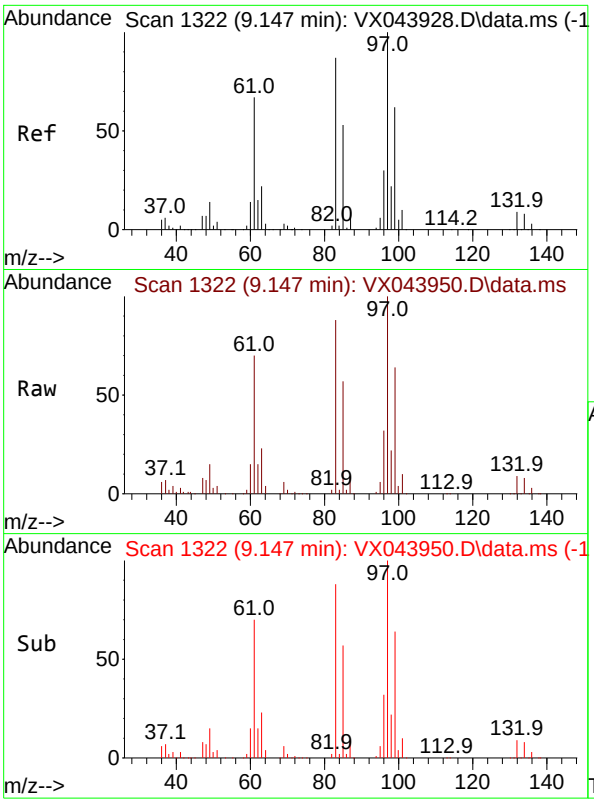


#54
cis-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 122380

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	55.6	43.1	64.7



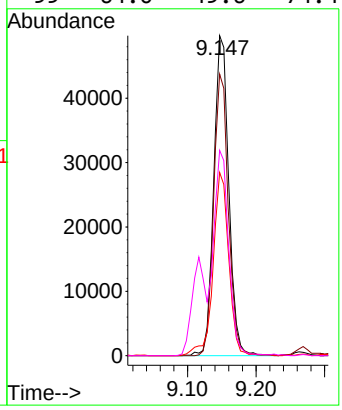


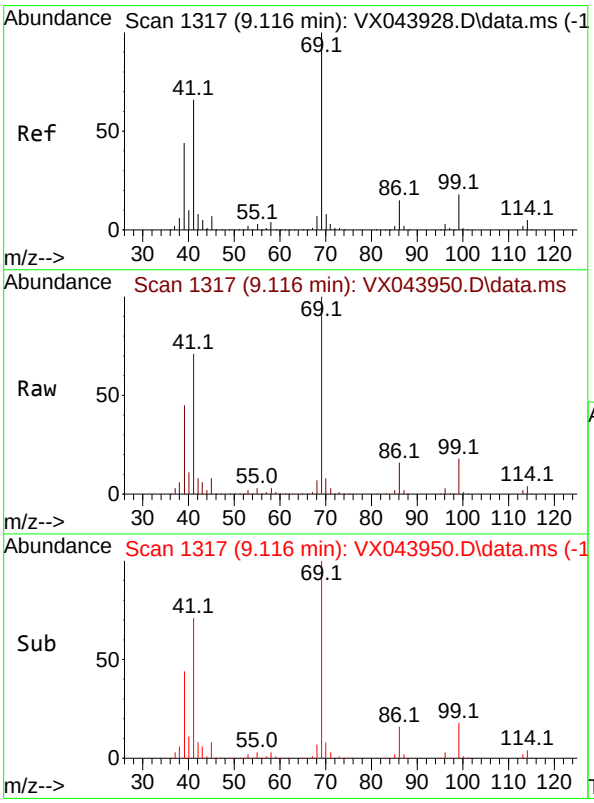
#55
1,1,2-Trichloroethane
Concen: 52.387 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 75441

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.0
85	57.2	42.3	63.5
99	64.0	49.6	74.4

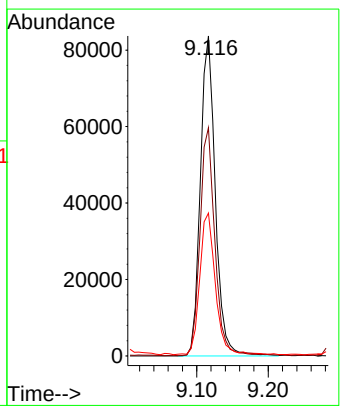


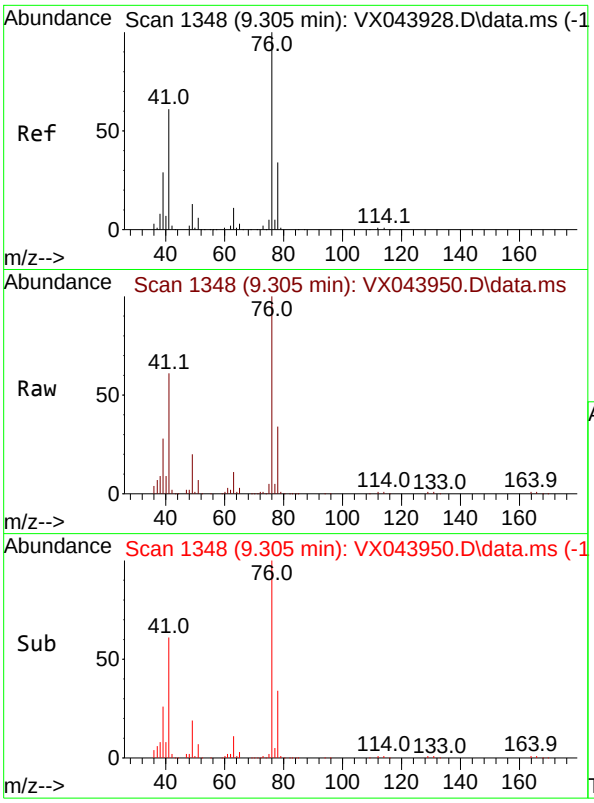


#56
Ethyl methacrylate
Concen: 54.352 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 121914

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.8
39	46.2	36.7	55.1



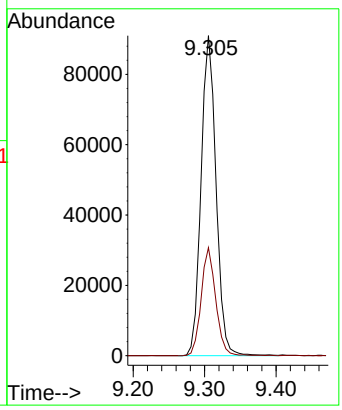


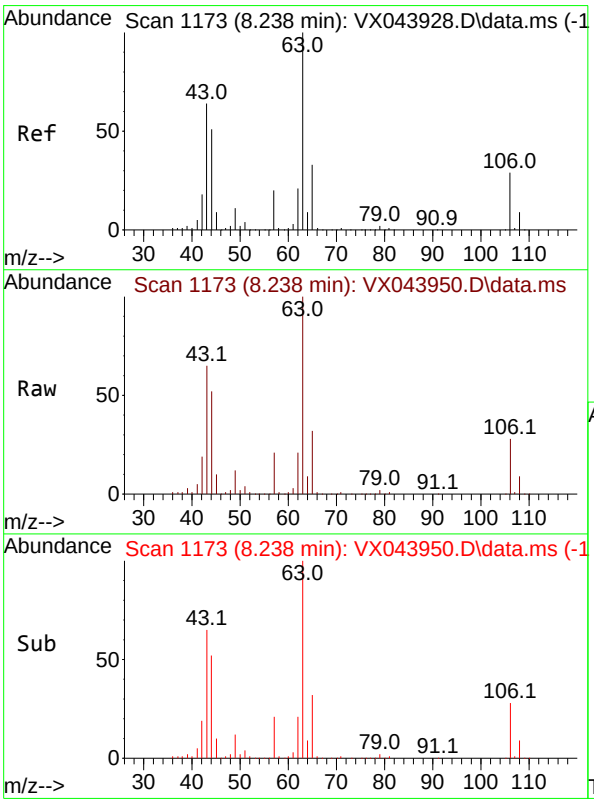
#57
1,3-Dichloropropane
Concen: 54.563 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 132364

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

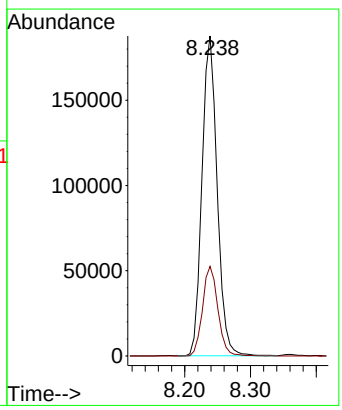


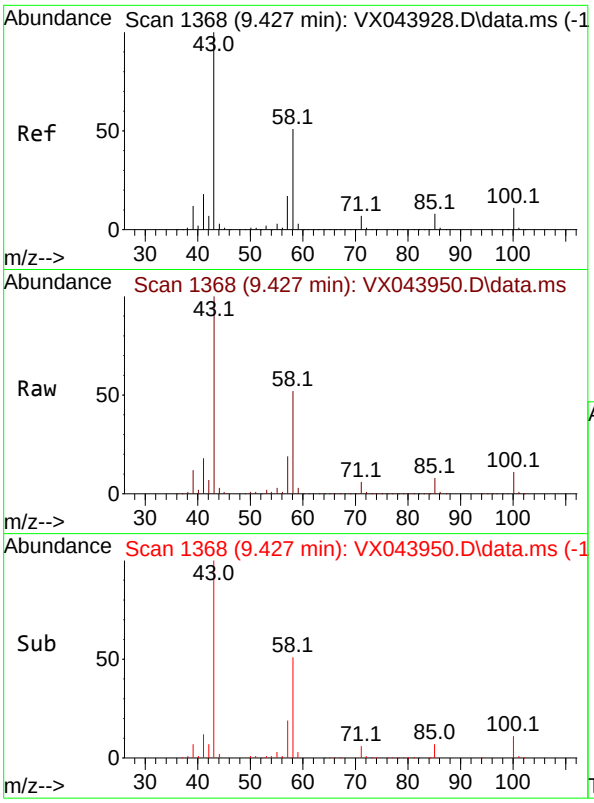


#58
2-Chloroethyl Vinyl ether
Concen: 244.819 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050

Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6



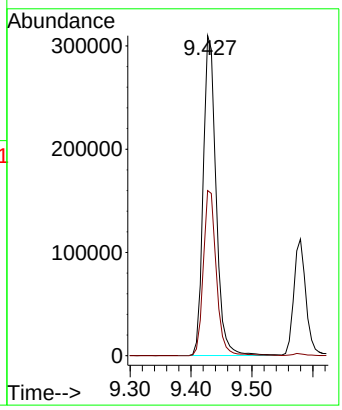


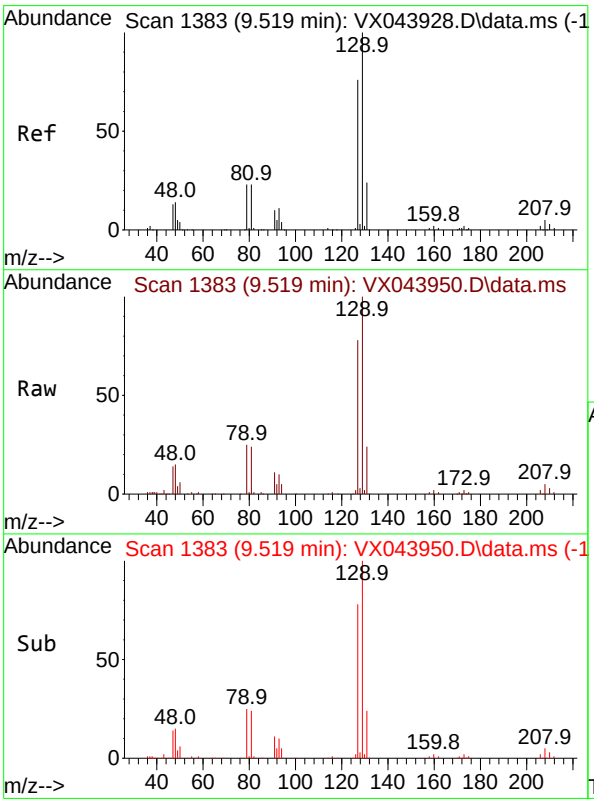
#59
2-Hexanone
Concen: 269.358 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 456702

Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.6

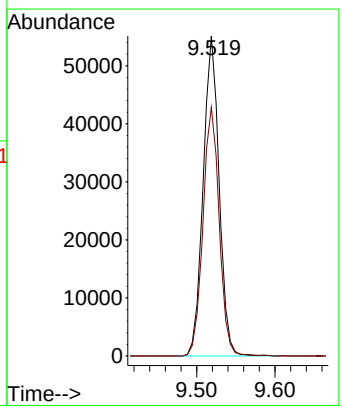


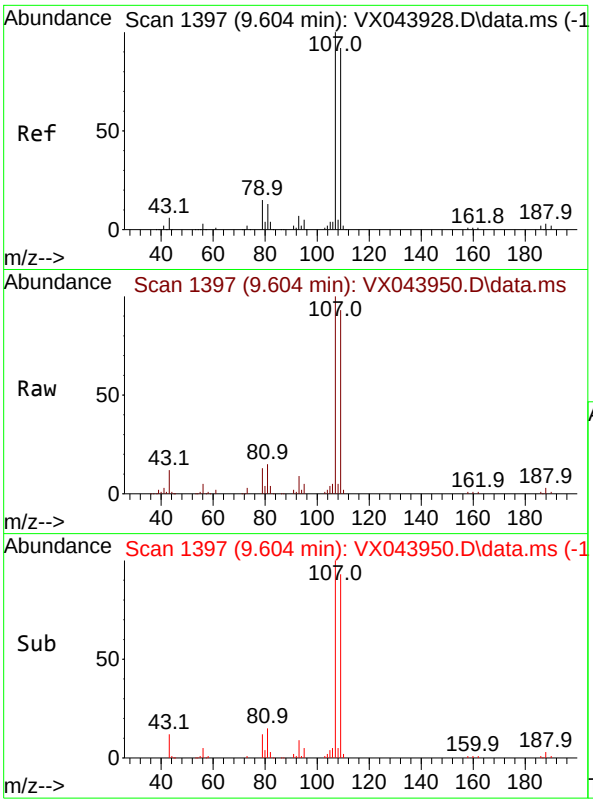


#60
Dibromochloromethane
Concen: 53.853 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 77811

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.2	114.6



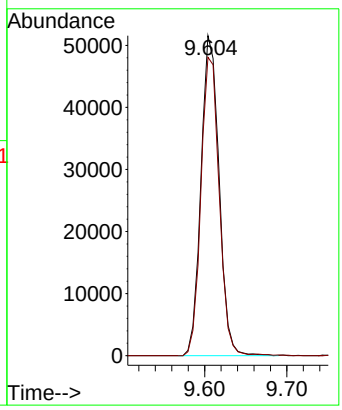


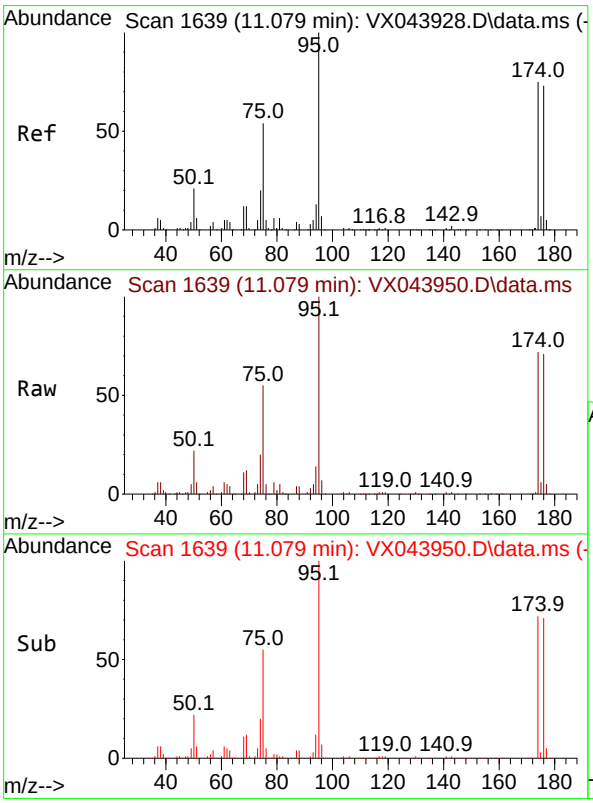
#61
1,2-Dibromoethane
Concen: 54.040 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 78690

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

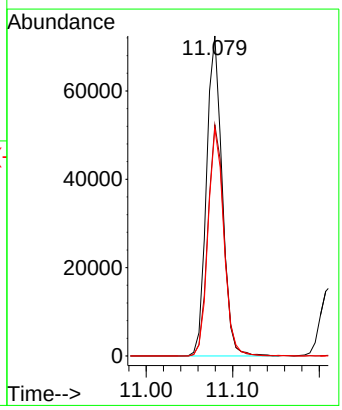


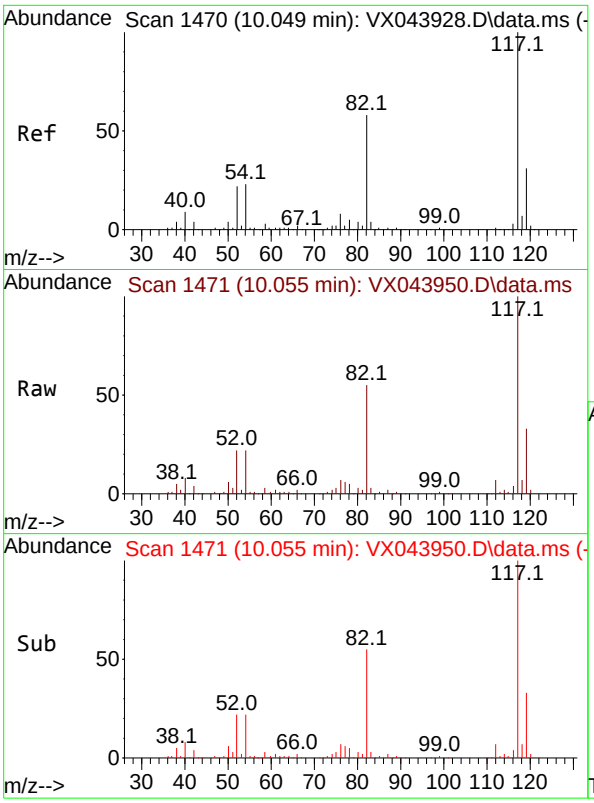


#62
4-Bromofluorobenzene
Concen: 51.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 91050

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	150.4
176	71.5	0.0	146.0



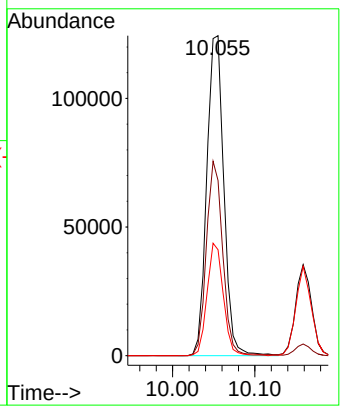


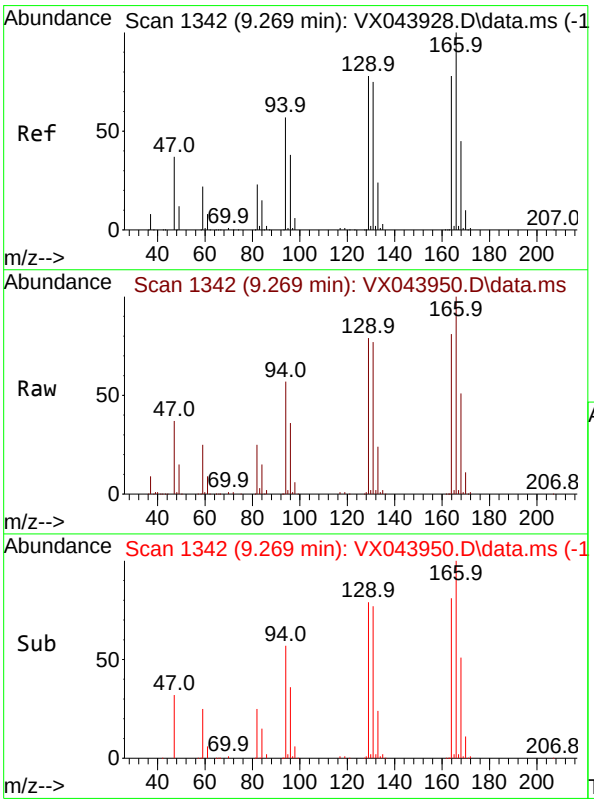
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 179277

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.4	69.6
119	33.1	24.6	37.0

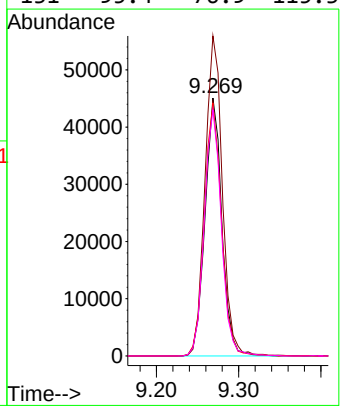


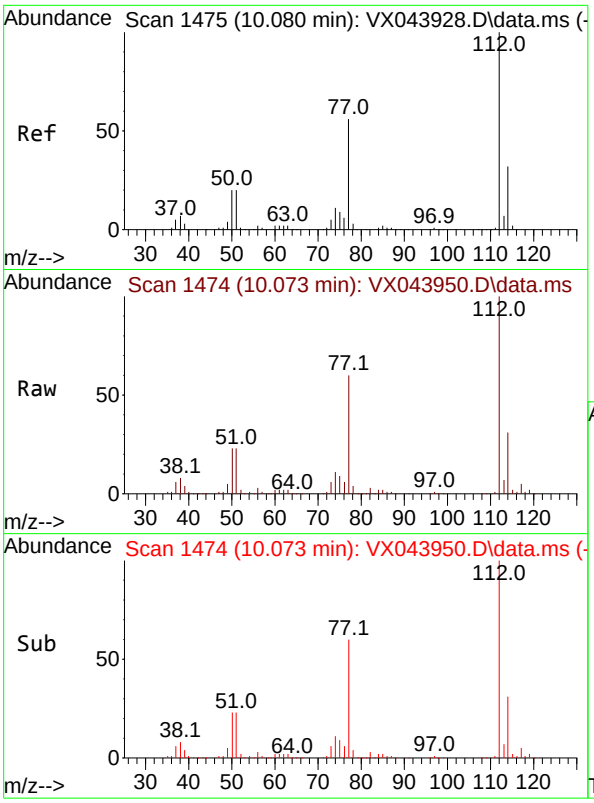


#64
Tetrachloroethene
Concen: 54.365 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 64266

Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	98.1	79.6	119.4
131	95.4	76.9	115.3



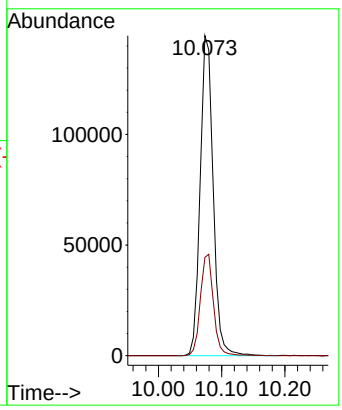


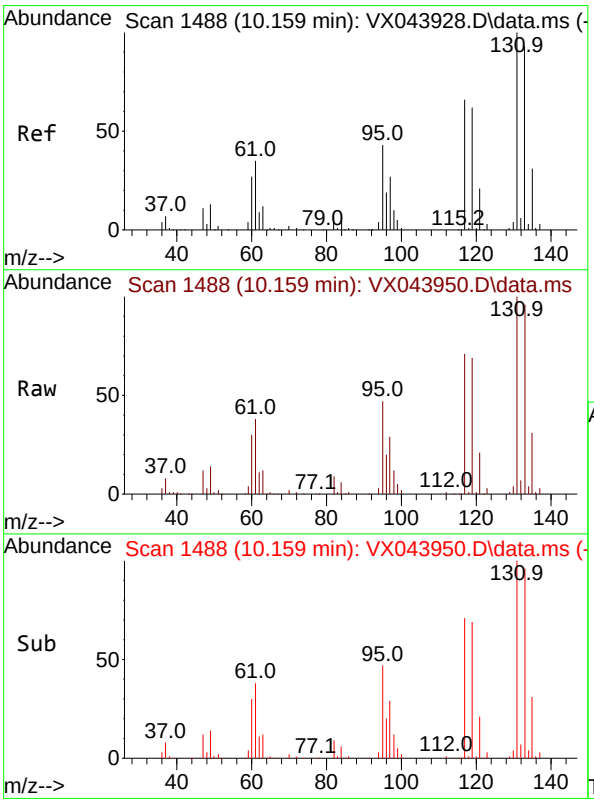
#65
Chlorobenzene
Concen: 52.640 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 207265

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.0

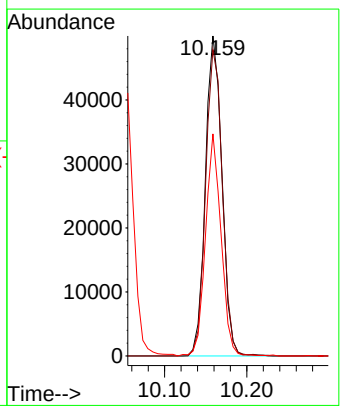


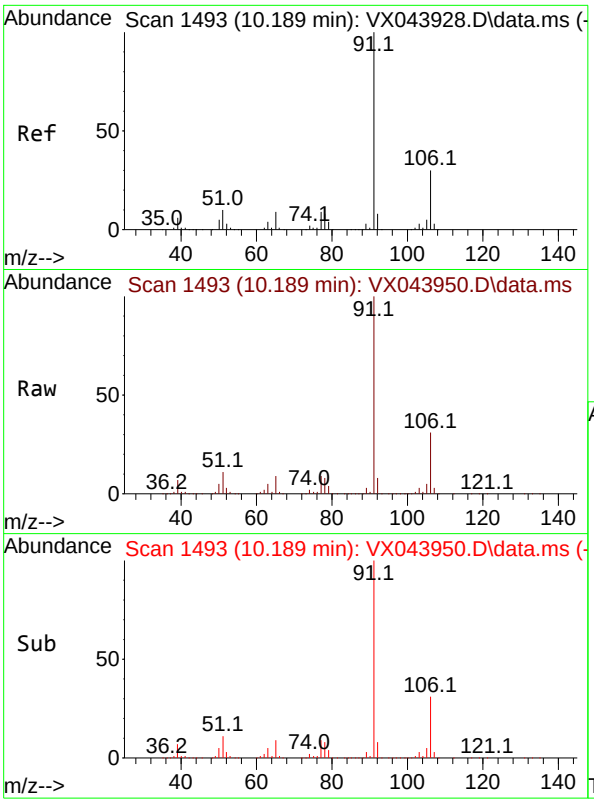


#66
1,1,1,2-Tetrachloroethane
Concen: 54.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 70047

Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.2	144.6
119	65.1	31.5	94.5



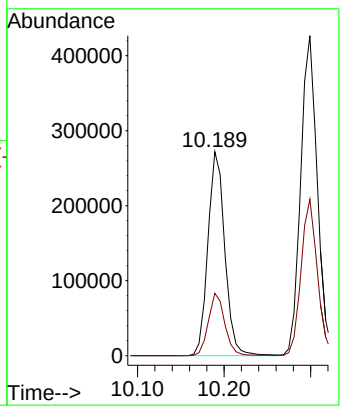


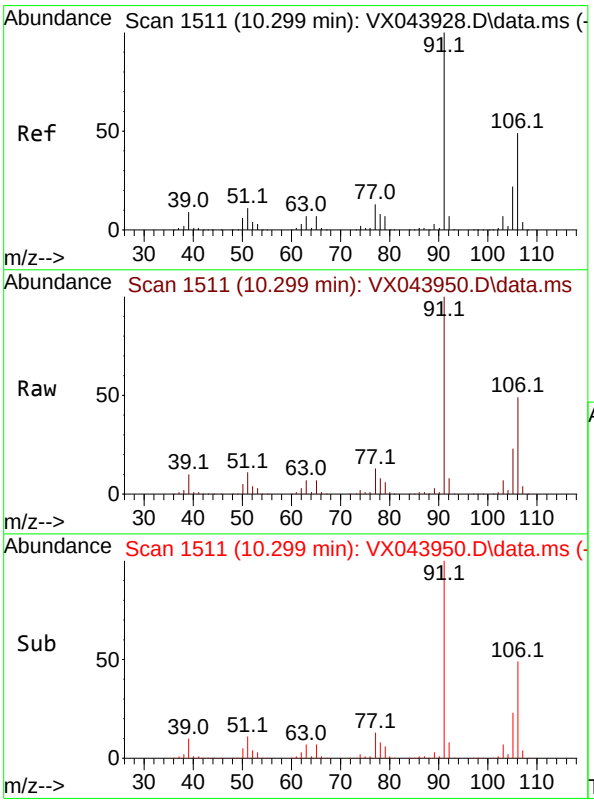
#67
Ethyl Benzene
Concen: 55.362 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 369374

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

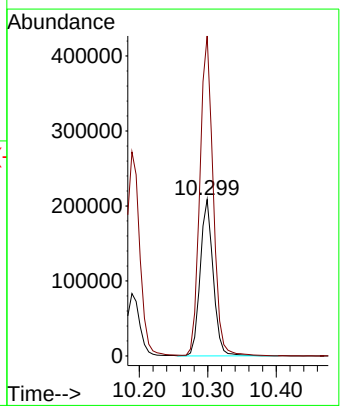


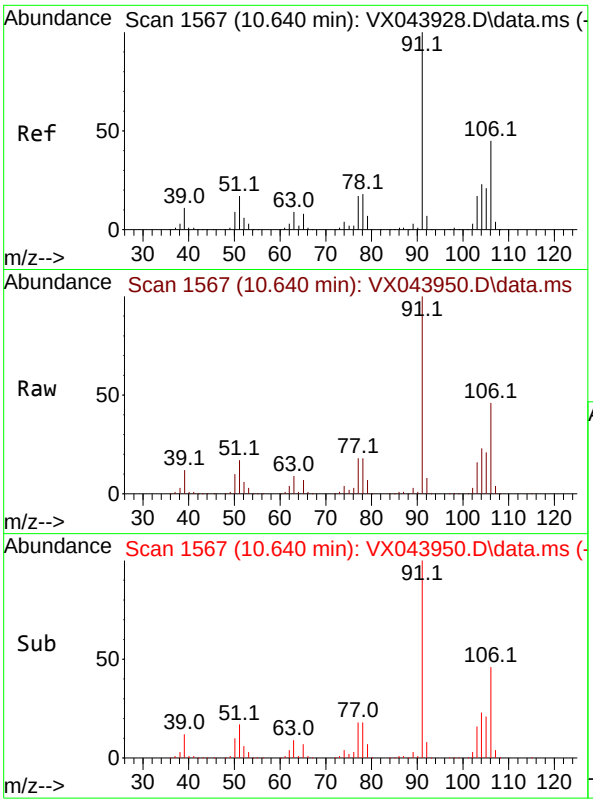


#68
m/p-Xylenes
Concen: 110.758 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 275579

Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.1	252.1



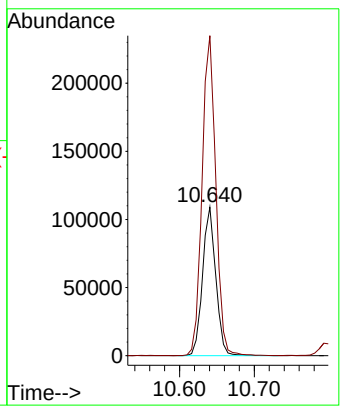


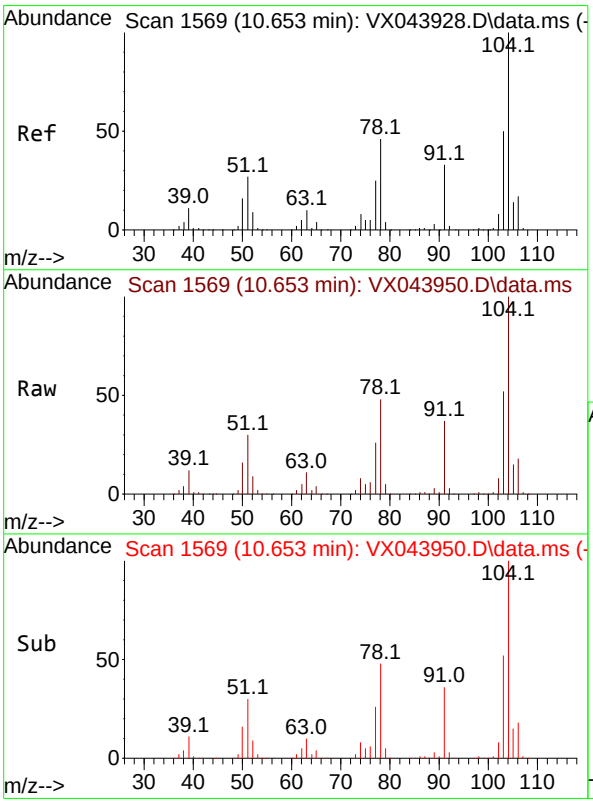
#69
o-Xylene
Concen: 55.187 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 134066

Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6

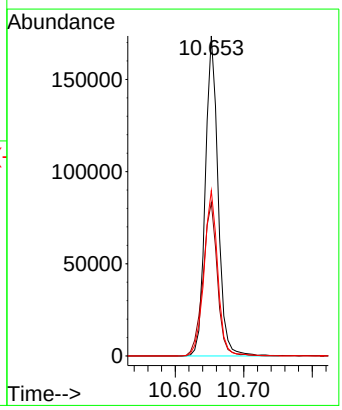


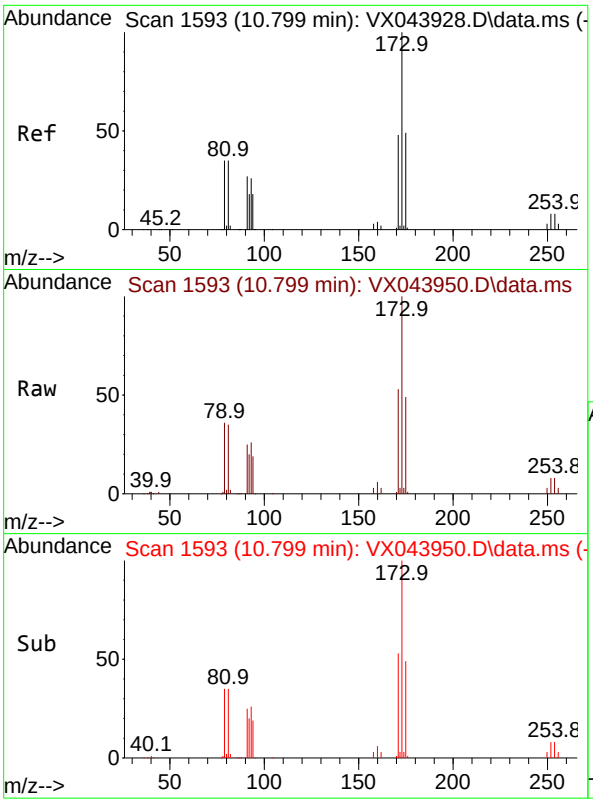


#70
Styrene
Concen: 56.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 225568

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.2	63.2
103	55.5	44.7	67.1



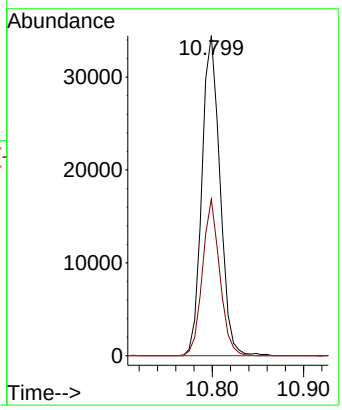


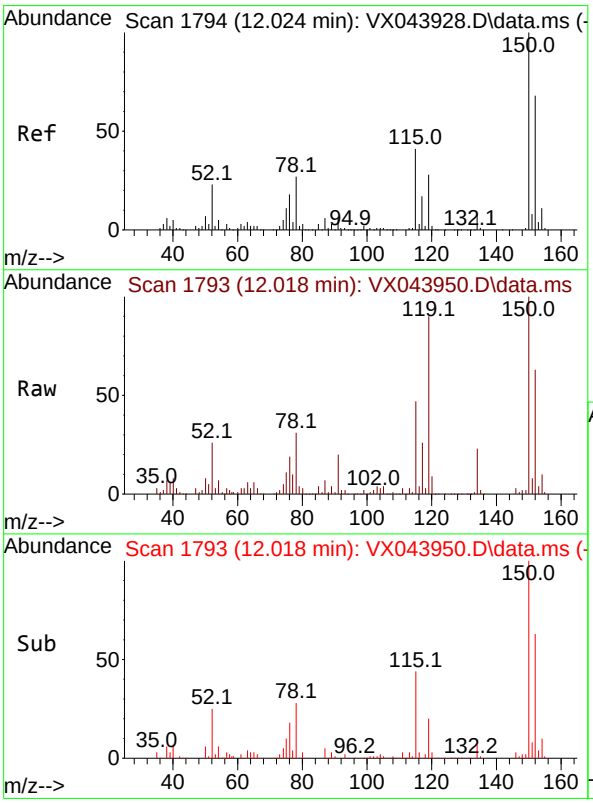
#71
Bromoform
Concen: 48.773 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 47233

Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.2
254	0.0	0.0	0.0

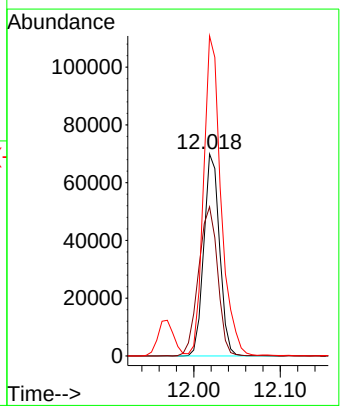


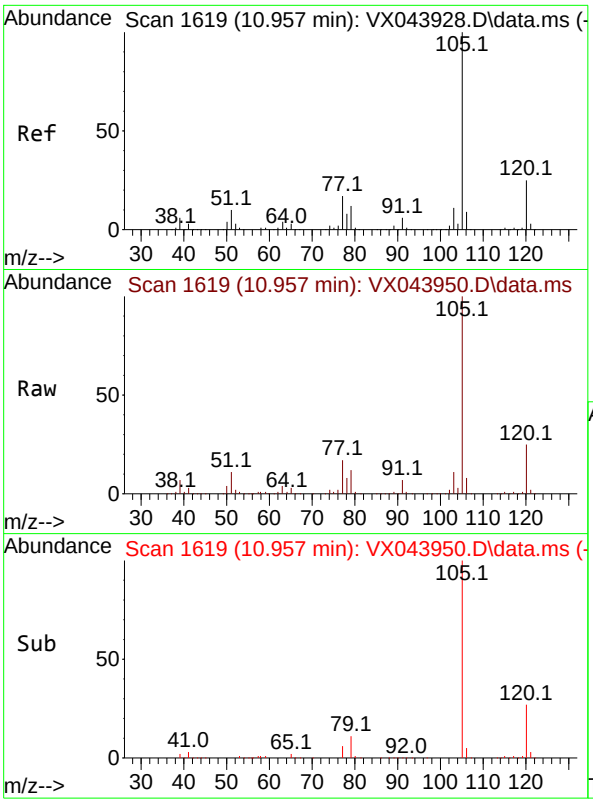


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 88069

Ion	Ratio	Lower	Upper
152	100		
115	90.2	45.4	136.2
150	176.2	0.0	353.0



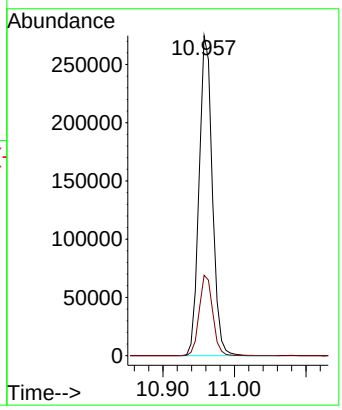


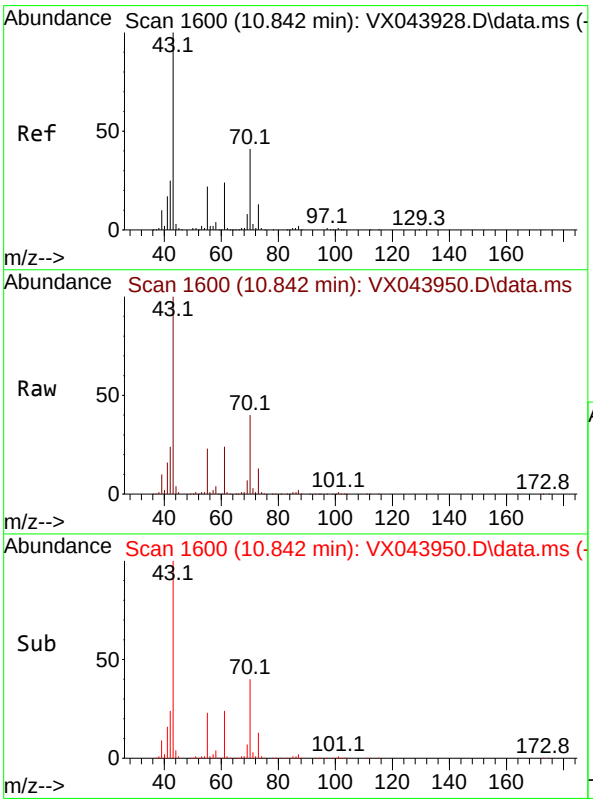
#73
Isopropylbenzene
Concen: 52.039 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 352296

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9

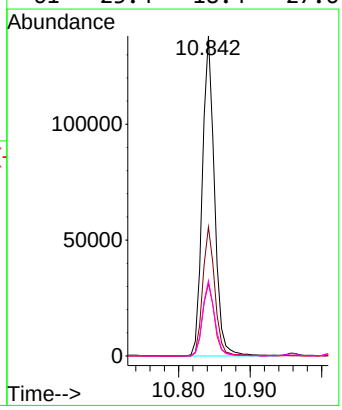


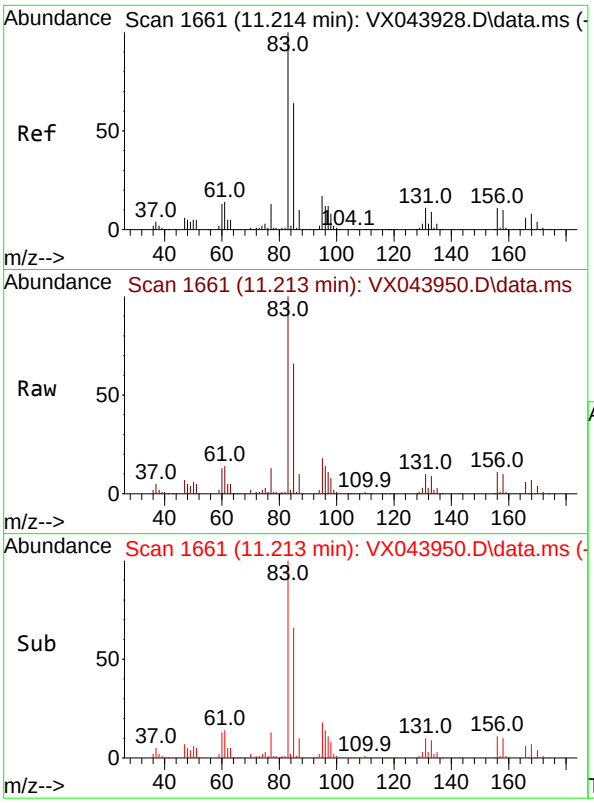


#74
N-amyl acetate
Concen: 51.973 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	22.6	18.1	27.1
61	23.4	18.4	27.6



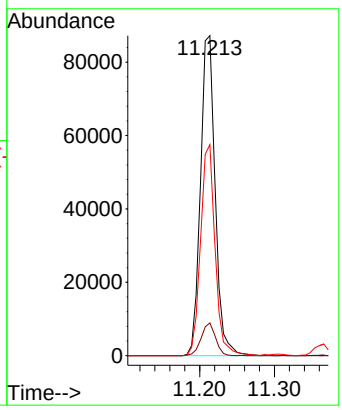


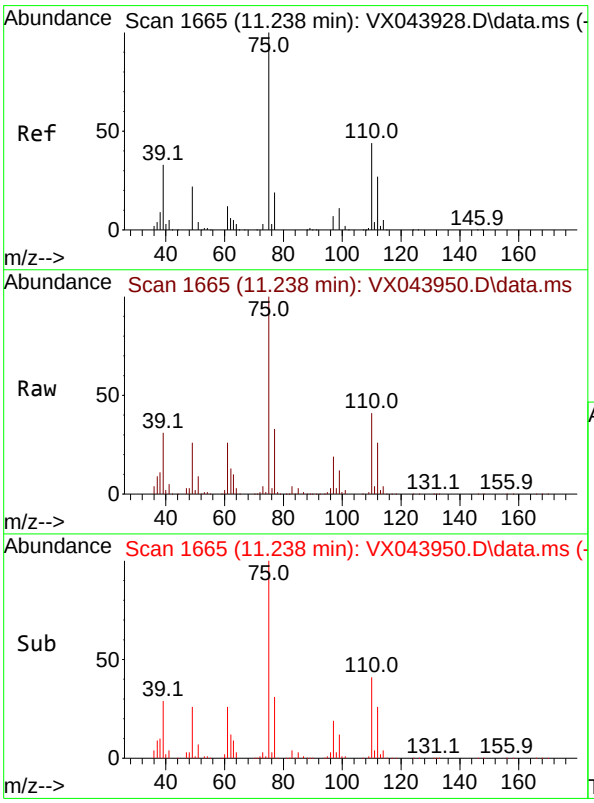
#75
1,1,2,2-Tetrachloroethane
Concen: 51.403 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 119153

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	65.2	32.2	96.6

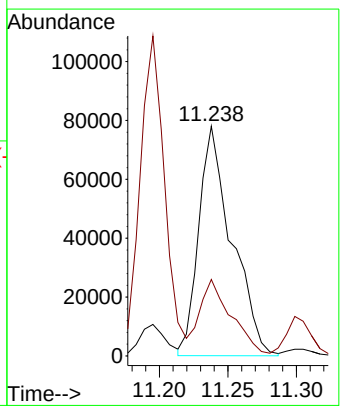


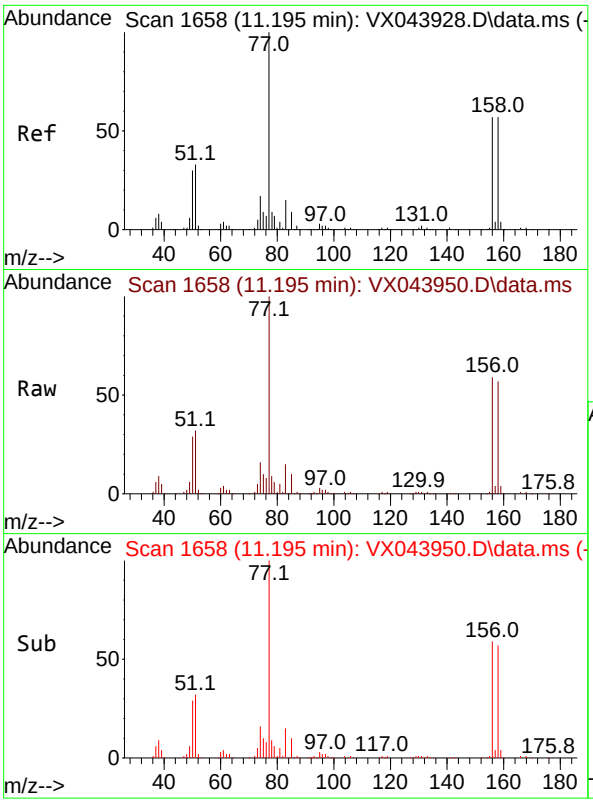


#76
1,2,3-Trichloropropane
Concen: 67.913 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 131164

Ion	Ratio	Lower	Upper
75	100		
77	32.1	21.8	65.3



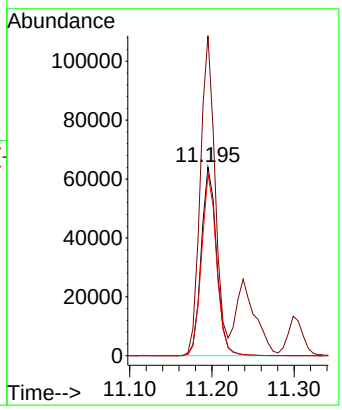


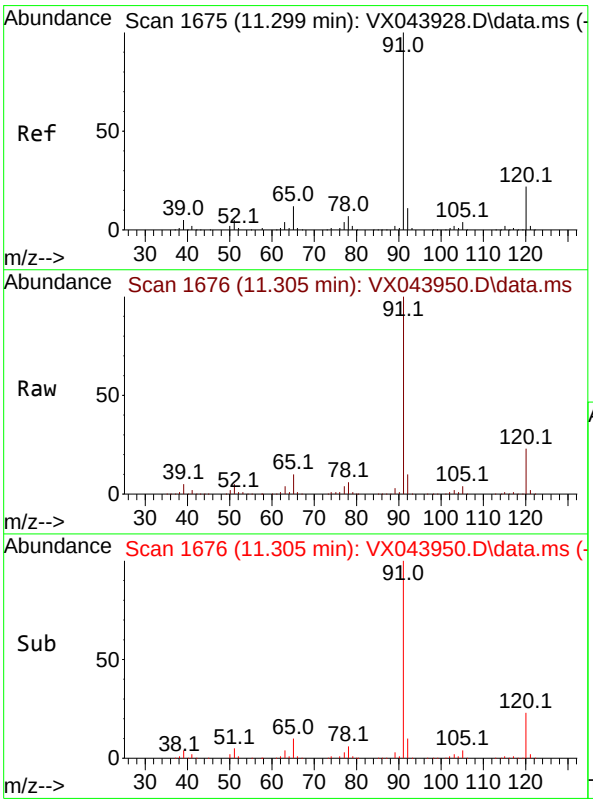
#77
Bromobenzene
Concen: 51.338 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 82907

Ion	Ratio	Lower	Upper
156	100		
77	164.1	83.4	250.1
158	94.8	47.6	142.8

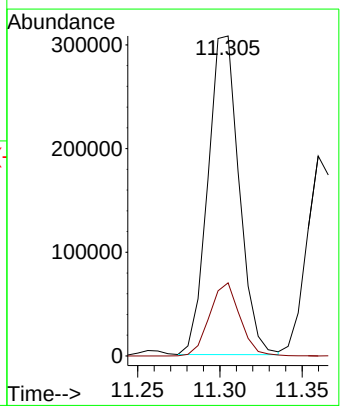


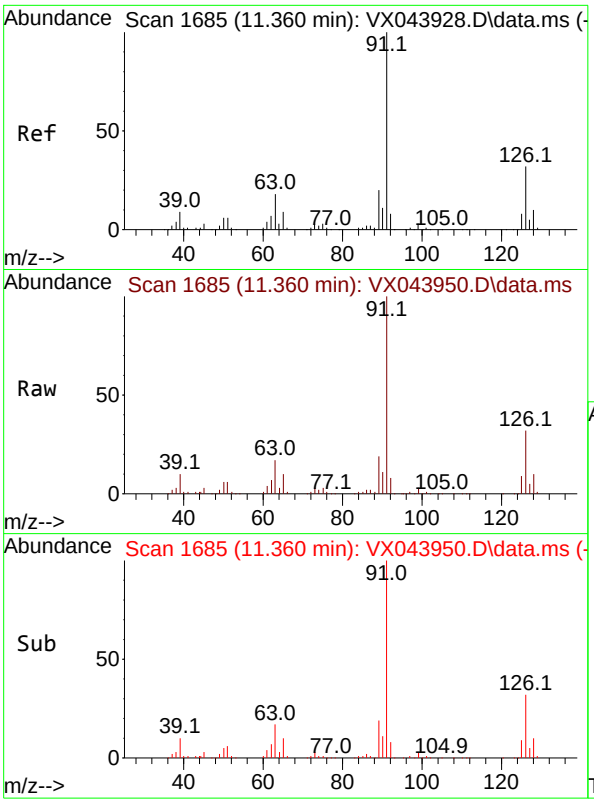


#78
n-propylbenzene
Concen: 53.765 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 406514

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4



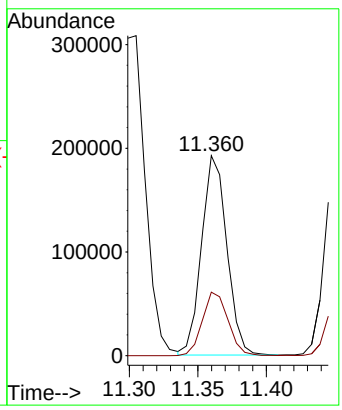


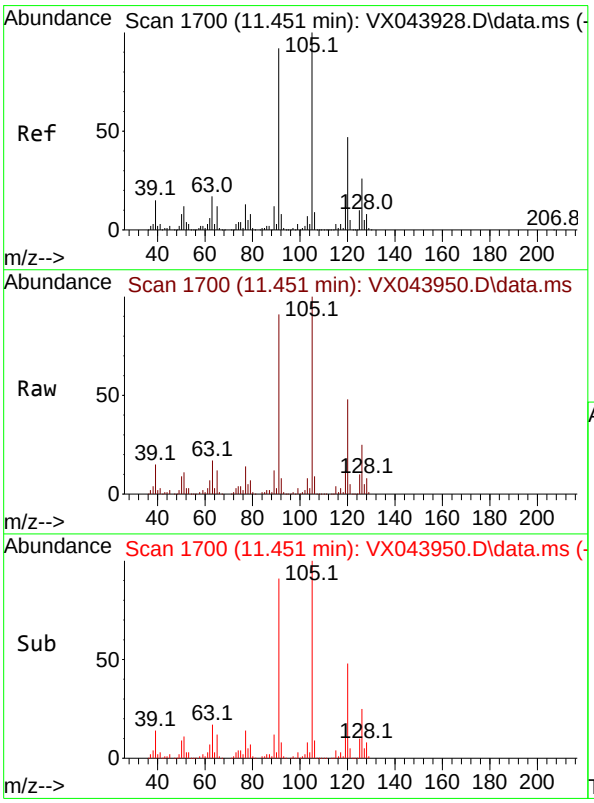
#79
2-Chlorotoluene
Concen: 51.573 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 246574

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8

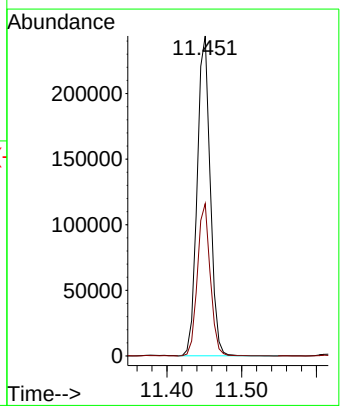


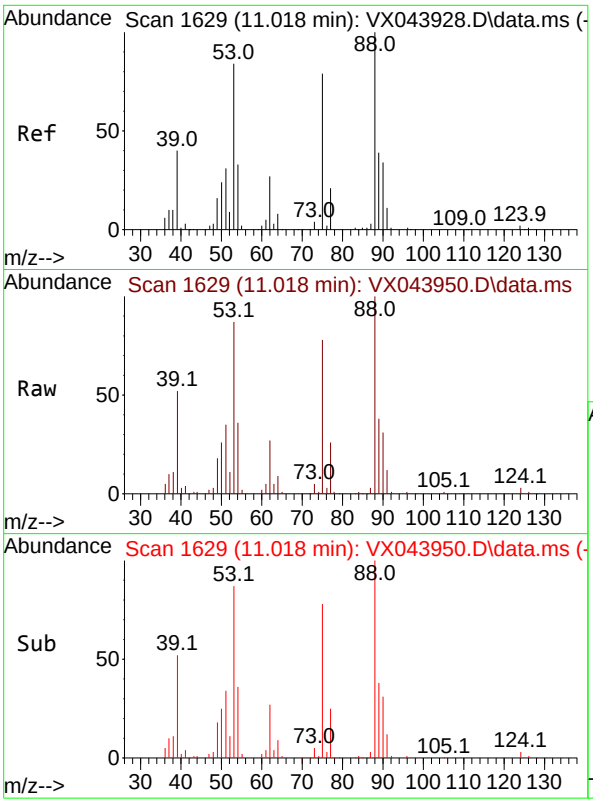


#80
1,3,5-Trimethylbenzene
Concen: 52.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 295006

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8



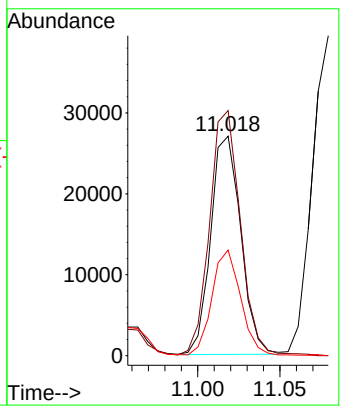


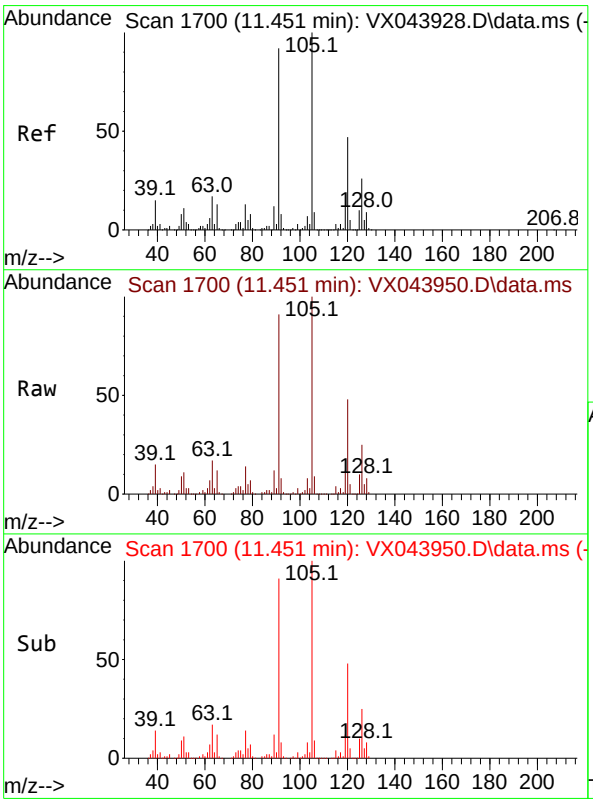
#81
trans-1,4-Dichloro-2-butene
Concen: 48.492 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 34321

Ion	Ratio	Lower	Upper
75	100		
53	115.3	86.7	130.1
89	46.8	38.2	57.2

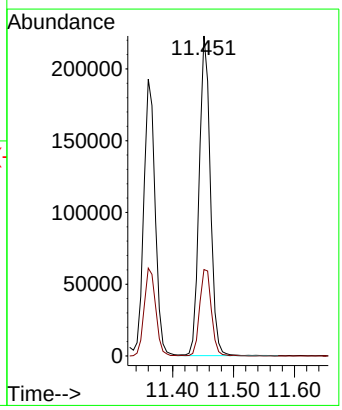


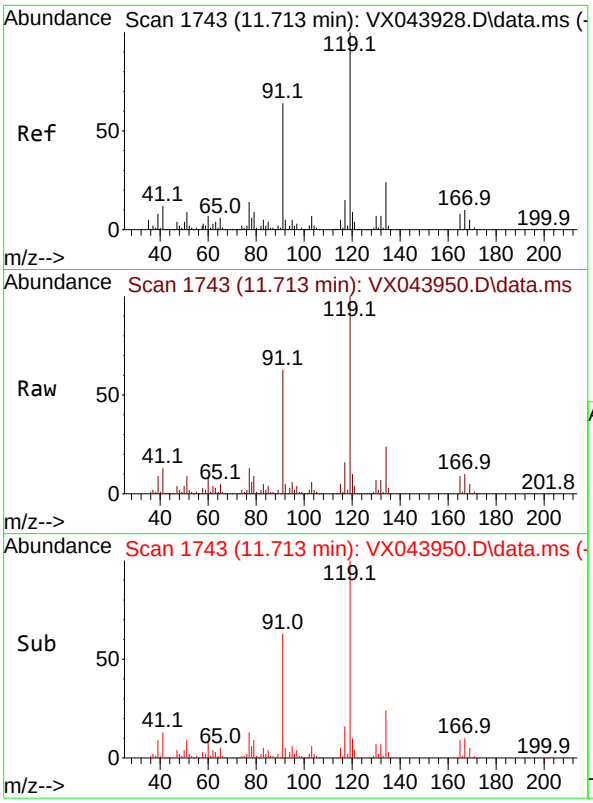


#82
4-Chlorotoluene
Concen: 52.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 281758

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9



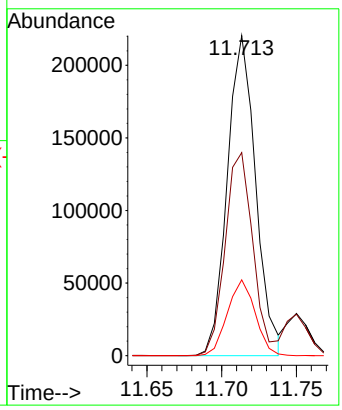


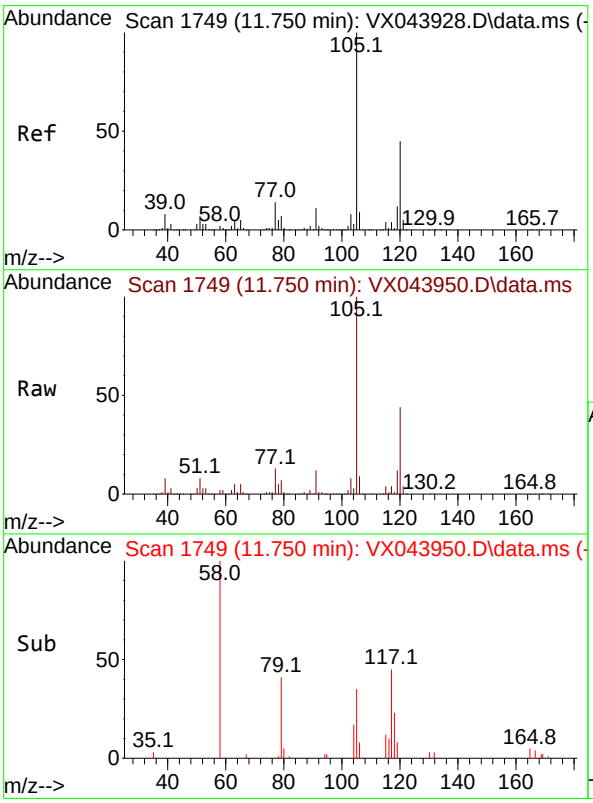
#83
tert-Butylbenzene
Concen: 52.754 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 291225

Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.0	93.0
134	23.2	11.6	34.8

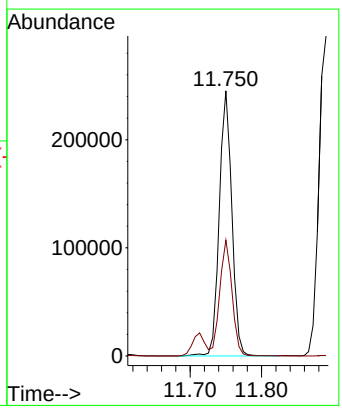


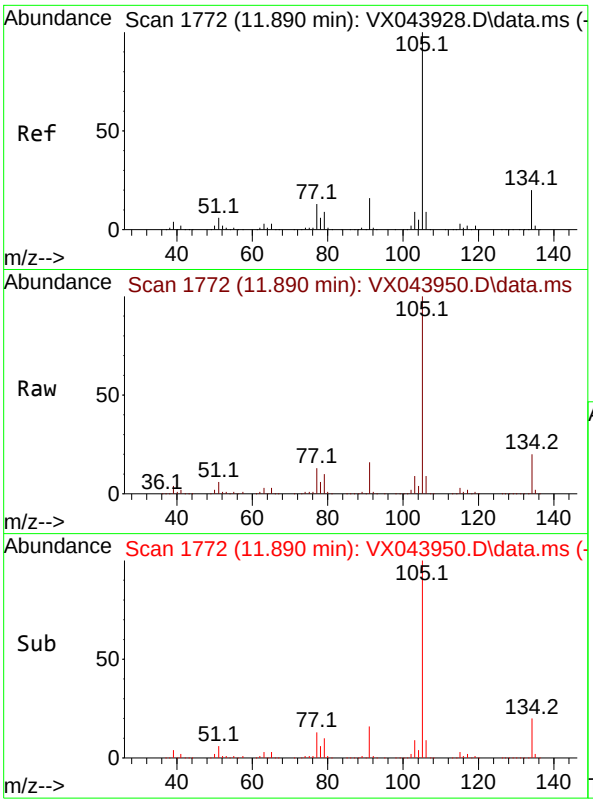


#84
1,2,4-Trimethylbenzene
Concen: 53.956 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 299186

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7



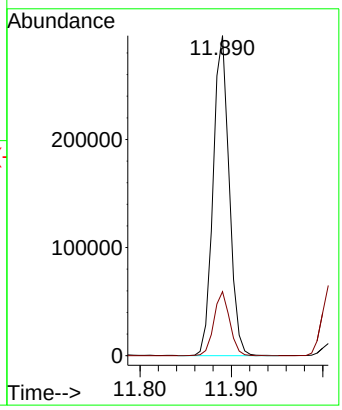


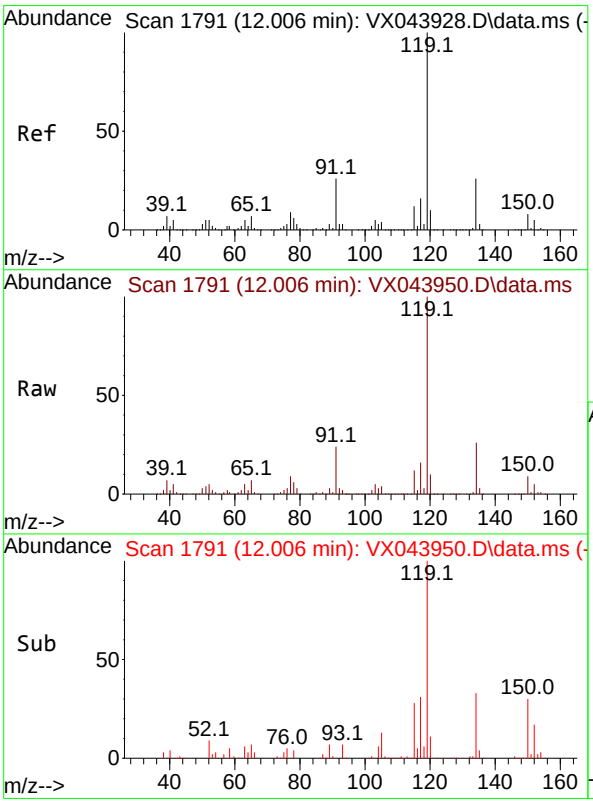
#85
sec-Butylbenzene
Concen: 53.293 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 360460

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

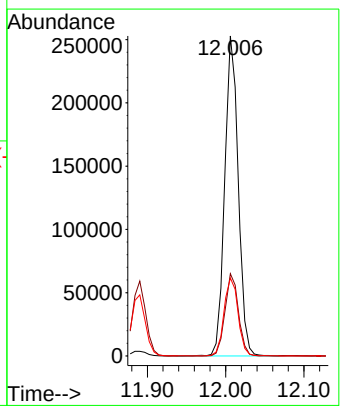


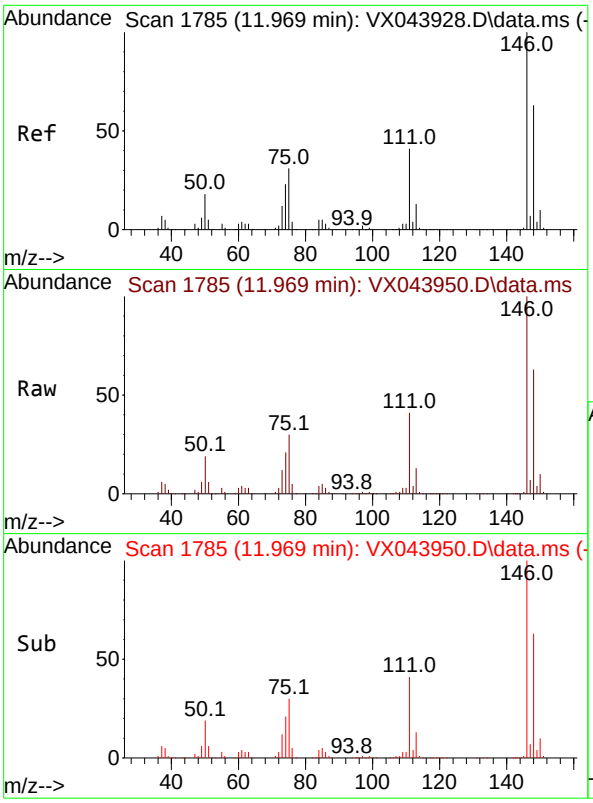


#86
p-Isopropyltoluene
Concen: 55.361 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 304159

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	25.3	13.0	38.9



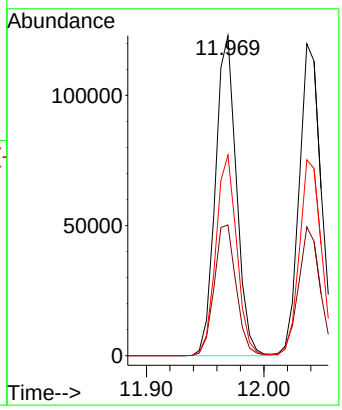


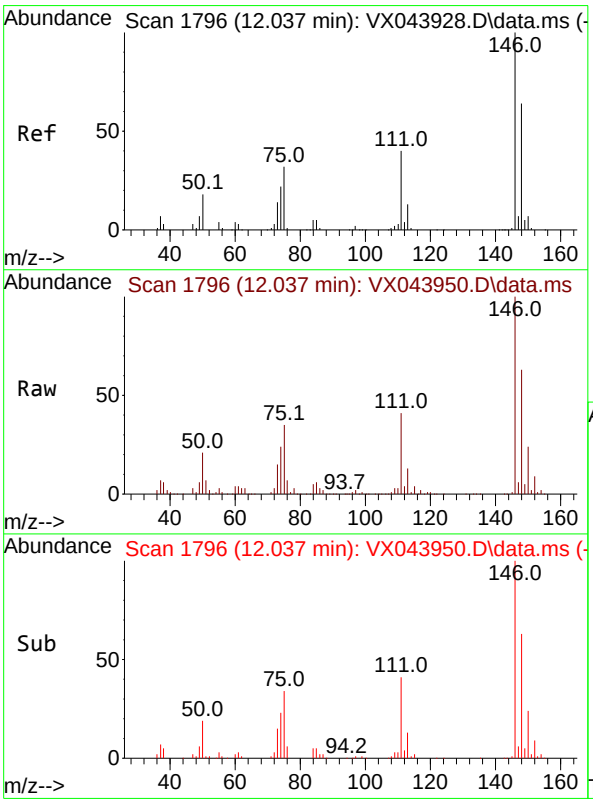
#87
1,3-Dichlorobenzene
Concen: 52.089 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 153209

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	62.2	31.7	95.1

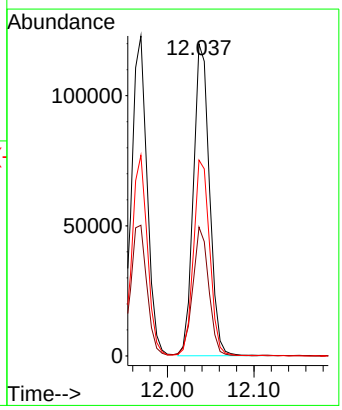


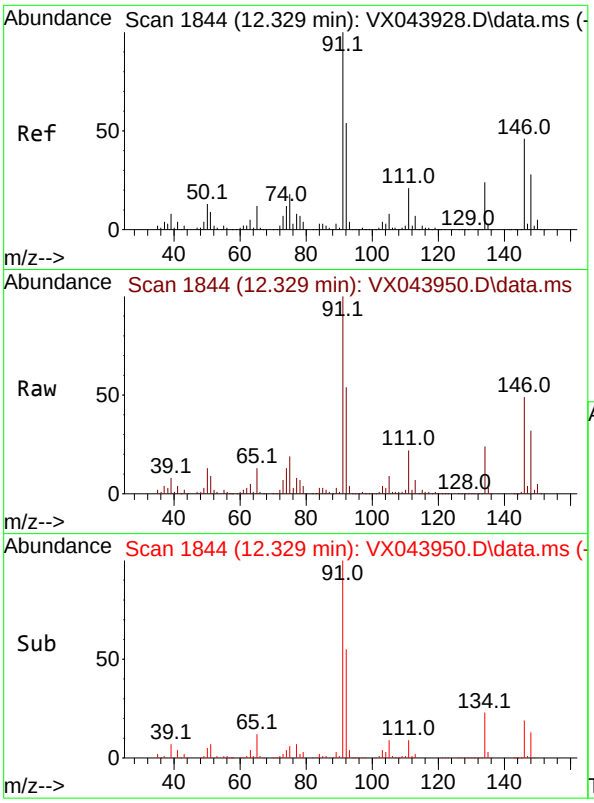


#88
1,4-Dichlorobenzene
Concen: 51.511 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 154469

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.3
148	63.4	30.9	92.8



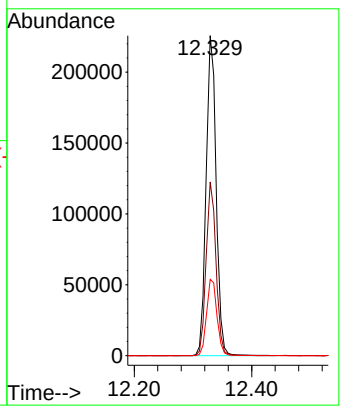


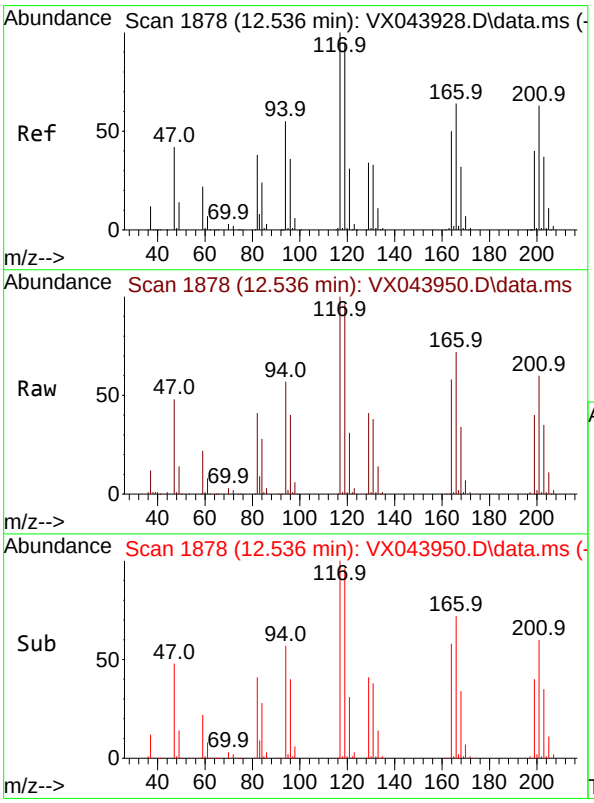
#89
n-Butylbenzene
Concen: 55.414 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 268422

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	24.8	12.4	37.2

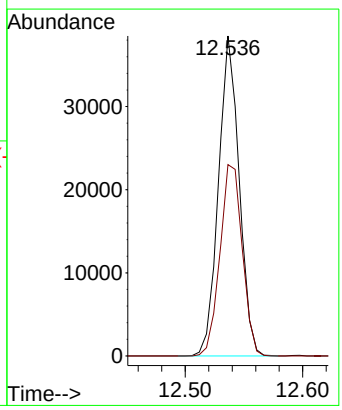


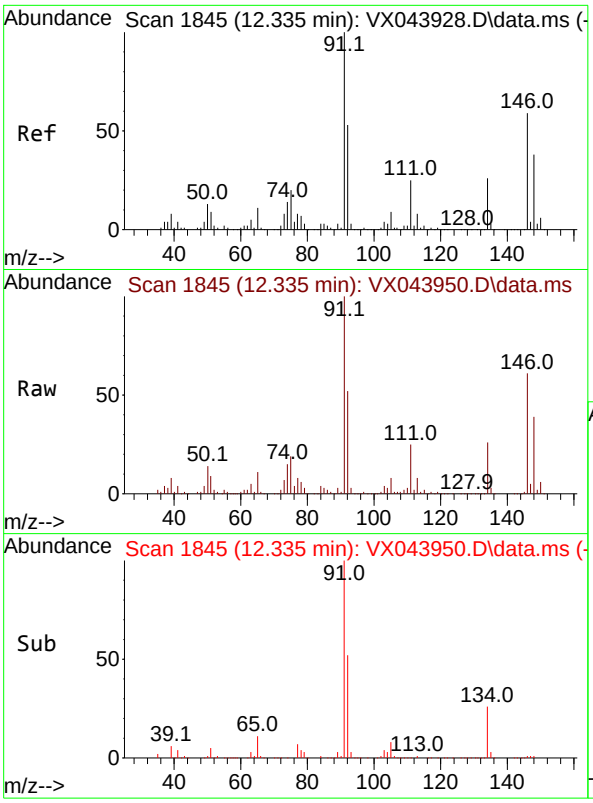


#90
Hexachloroethane
Concen: 50.336 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 47025

Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.4	97.0



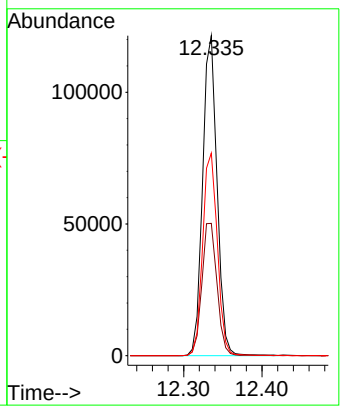


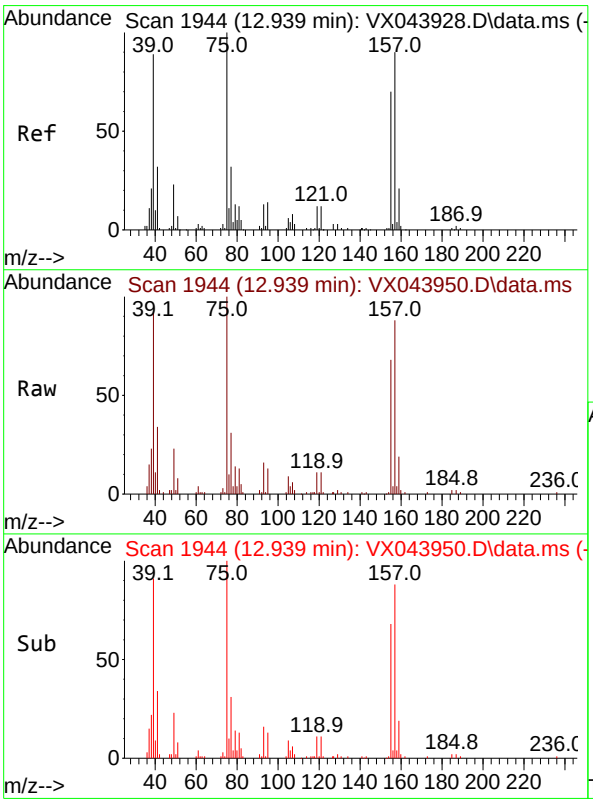
#91
1,2-Dichlorobenzene
Concen: 52.281 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 155184

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.5	31.9	95.5

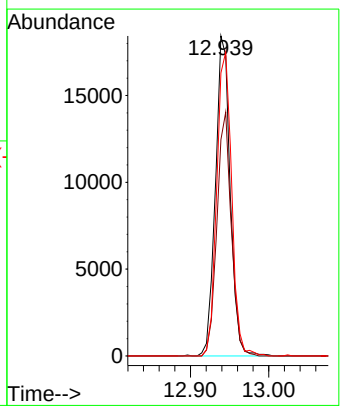


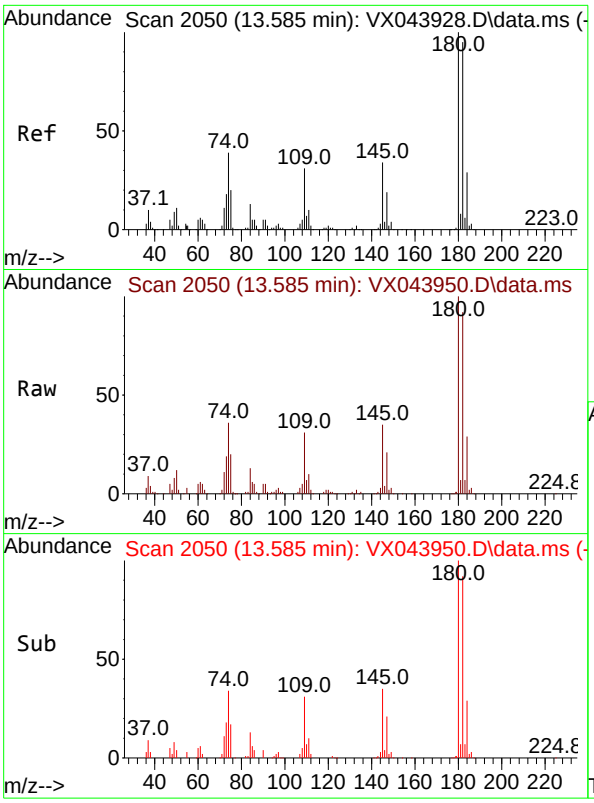


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.076 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 24188

Ion	Ratio	Lower	Upper
75	100		
155	74.3	40.1	120.2
157	96.2	49.6	149.0



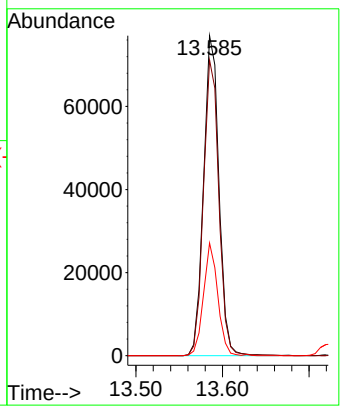


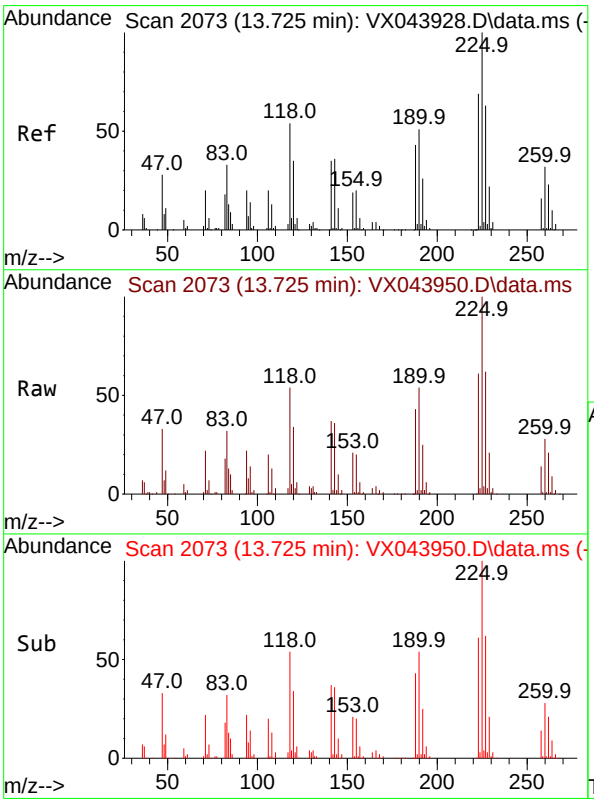
#93
1,2,4-Trichlorobenzene
Concen: 54.252 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 94940

Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.0	144.2
145	32.8	16.8	50.4

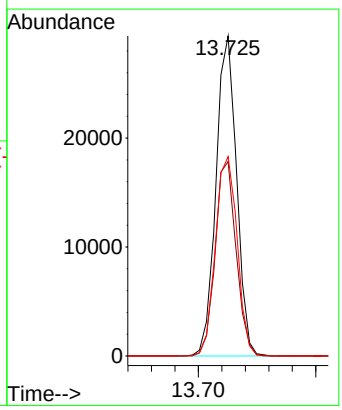


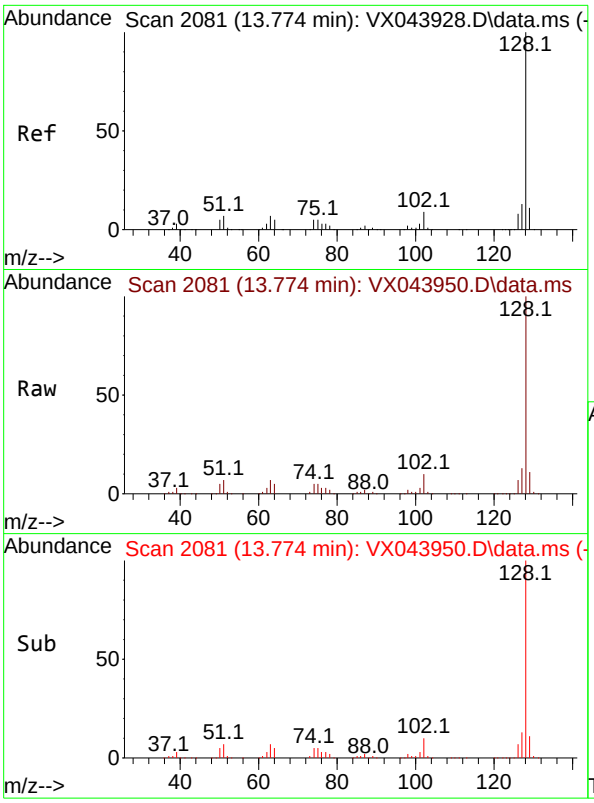


#94
Hexachlorobutadiene
Concen: 51.785 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 35816

Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.9	98.6
227	65.7	31.6	94.8



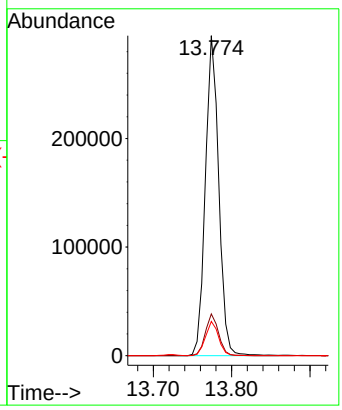


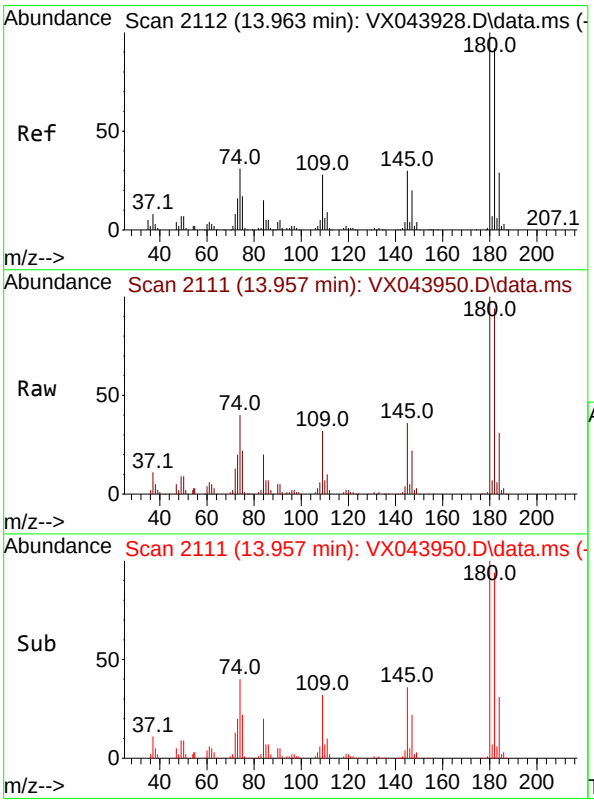
#95
Naphthalene
Concen: 55.215 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 347826

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.6	12.8

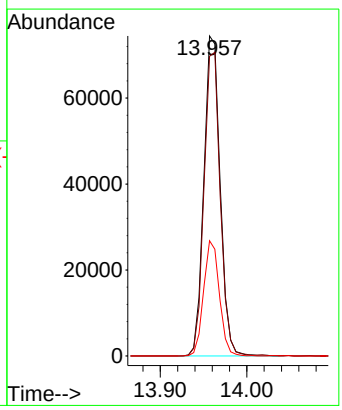




#96
1,2,3-Trichlorobenzene
Concen: 55.041 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 97491

Ion	Ratio	Lower	Upper
180	100		
182	94.5	45.6	136.8
145	34.8	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	122957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113852	53.986	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.980%			
35) Dibromofluoromethane	5.379	113	82706	50.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	287688	50.911	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	96910	50.392	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	31130	19.985	ug/l	94
3) Chloromethane	1.294	50	34079	20.791	ug/l	98
4) Vinyl Chloride	1.373	62	36280	20.809	ug/l	100
5) Bromomethane	1.599	94	23111	21.548	ug/l	97
6) Chloroethane	1.666	64	24828	23.371	ug/l	100
7) Trichlorofluoromethane	1.873	101	60641	19.455	ug/l	97
8) Diethyl Ether	2.136	74	23915	21.050	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	30353	20.414	ug/l	97
10) Methyl Iodide	2.446	142	39789	21.427	ug/l	99
11) Tert butyl alcohol	2.989	59	34049	100.588	ug/l	100
12) 1,1-Dichloroethene	2.312	96	28927	20.417	ug/l	93
13) Acrolein	2.239	56	37938	106.330	ug/l	95
14) Allyl chloride	2.660	41	48638	21.009	ug/l	97
15) Acrylonitrile	3.062	53	85765	103.970	ug/l	99
16) Acetone	2.386	43	96805	99.942	ug/l	98
17) Carbon Disulfide	2.501	76	49804	17.041	ug/l #	95
18) Methyl Acetate	2.703	43	46269	20.512	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	110640	21.507	ug/l	99
20) Methylene Chloride	2.782	84	34071	20.728	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	30530	20.871	ug/l	95
22) Diisopropyl ether	3.757	45	109520	22.124	ug/l #	87
23) Vinyl Acetate	3.721	43	453316	107.047	ug/l	99
24) 1,1-Dichloroethane	3.605	63	60662	21.241	ug/l	98
25) 2-Butanone	4.562	43	130824	104.675	ug/l	100
26) 2,2-Dichloropropane	4.471	77	52043	20.178	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	37579	20.783	ug/l	99
28) Bromochloromethane	4.891	49	24947	19.846	ug/l	97
29) Tetrahydrofuran	5.007	42	79046	103.164	ug/l	99
30) Chloroform	5.086	83	66350	21.602	ug/l	97
31) Cyclohexane	5.458	56	46697	19.867	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	56657	21.390	ug/l	99
36) 1,1-Dichloropropene	5.684	75	41234	20.185	ug/l	97
37) Ethyl Acetate	4.714	43	49752	19.620	ug/l #	92
38) Carbon Tetrachloride	5.672	117	43324	18.875	ug/l	95
39) Methylcyclohexane	7.372	83	49229	18.550	ug/l	98
40) Benzene	6.031	78	129291	20.319	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26340	20.295 ug/l #	93
42) 1,2-Dichloroethane	6.086	62	52905	20.702 ug/l	100
43) Isopropyl Acetate	6.342	43	81776	20.264 ug/l	100
44) Trichloroethene	7.122	130	30582	16.978 ug/l	89
45) 1,2-Dichloropropane	7.427	63	32777	21.032 ug/l	97
46) Dibromomethane	7.574	93	25316	20.535 ug/l	98
47) Bromodichloromethane	7.817	83	43925	19.866 ug/l	96
48) Methyl methacrylate	7.689	41	38226	19.741 ug/l	99
49) 1,4-Dioxane	7.665	88	11659	338.011 ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	248440	100.883 ug/l	100
52) Toluene	8.714	92	77505	20.351 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	45015	19.965 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	48377	19.572 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	31640	20.126 ug/l	96
56) Ethyl methacrylate	9.116	69	49905	20.380 ug/l	98
57) 1,3-Dichloropropane	9.305	76	55597	20.993 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	122520	90.630 ug/l	98
59) 2-Hexanone	9.433	43	186272	100.633 ug/l	99
60) Dibromochloromethane	9.518	129	29549	18.733 ug/l	97
61) 1,2-Dibromoethane	9.610	107	32532	20.465 ug/l	98
64) Tetrachloroethene	9.274	164	26135	20.270 ug/l	98
65) Chlorobenzene	10.079	112	85495	19.908 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	28882	20.737 ug/l	97
67) Ethyl Benzene	10.189	91	148481	20.404 ug/l	99
68) m/p-Xylenes	10.299	106	109390	40.309 ug/l	98
69) o-Xylene	10.640	106	54754	20.665 ug/l	99
70) Styrene	10.652	104	90186	20.579 ug/l	98
71) Bromoform	10.799	173	16436	16.936 ug/l #	94
73) Isopropylbenzene	10.963	105	140447	21.084 ug/l	100
74) N-amyl acetate	10.841	43	63571	20.600 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	49179	21.561 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	49676	26.139 ug/l	88
77) Bromobenzene	11.195	156	32930	20.723 ug/l	96
78) n-propylbenzene	11.305	91	155584	20.912 ug/l	100
79) 2-Chlorotoluene	11.366	91	100875	21.442 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	119899	21.878 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11627	16.695 ug/l #	84
82) 4-Chlorotoluene	11.451	91	112420	21.166 ug/l	99
83) tert-Butylbenzene	11.713	119	114224	21.028 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	116894	21.424 ug/l	99
85) sec-Butylbenzene	11.890	105	136947	20.577 ug/l	99
86) p-Isopropyltoluene	12.006	119	114908	21.255 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59626	20.602 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	58980	19.988 ug/l	95
89) n-Butylbenzene	12.329	91	99700	20.917 ug/l	97
90) Hexachloroethane	12.536	117	17220	18.732 ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	60326	20.654 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7938	17.368 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	33614	19.521 ug/l	98
94) Hexachlorobutadiene	13.725	225	13463	19.782 ug/l	98
95) Naphthalene	13.774	128	124279	20.050 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35212	20.203 ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

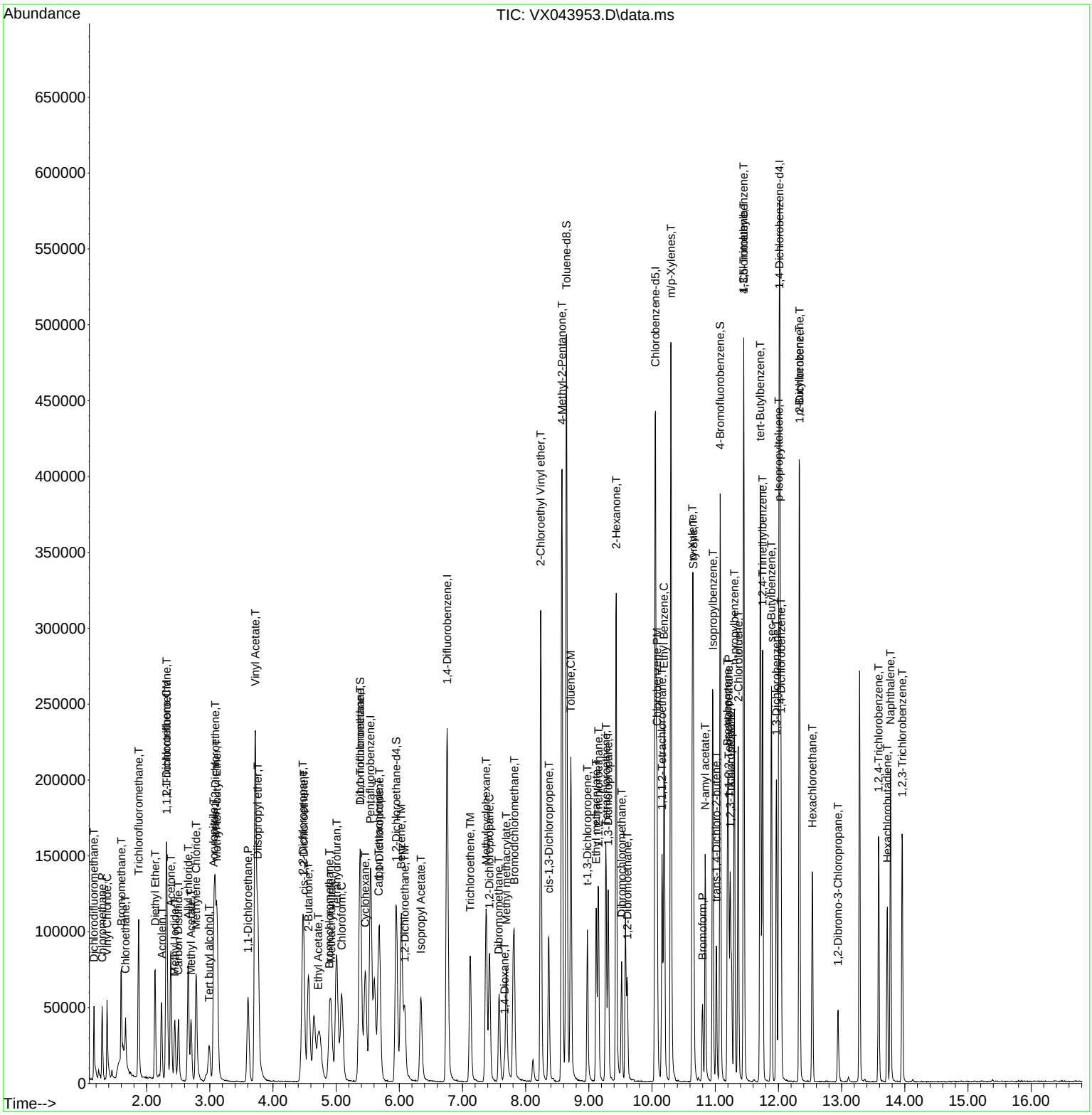
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

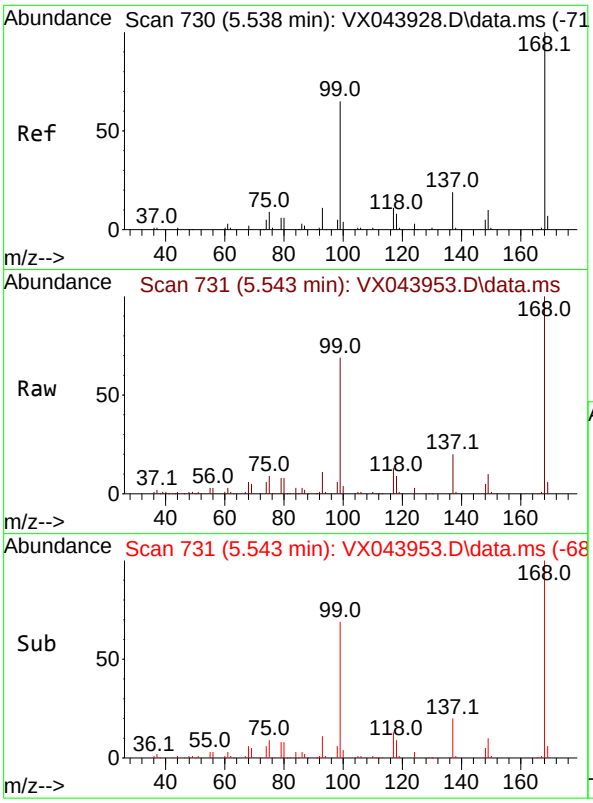
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



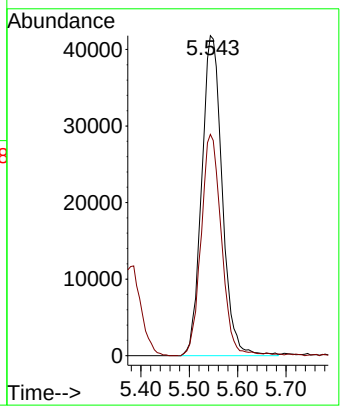


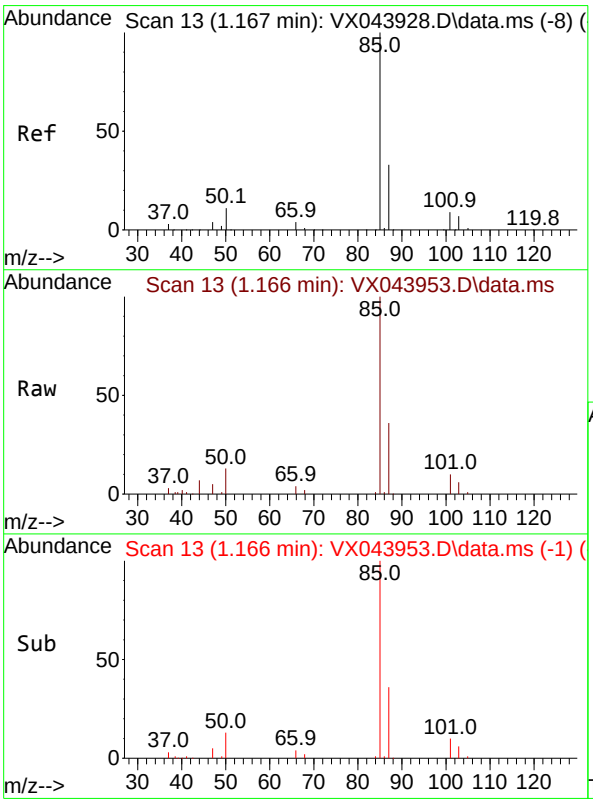
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:168 Resp: 122957

Ion	Ratio	Lower	Upper
168	100		
99	69.1	51.8	77.8

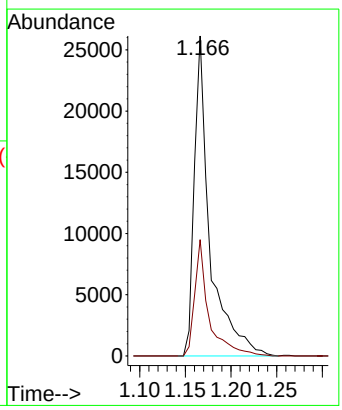


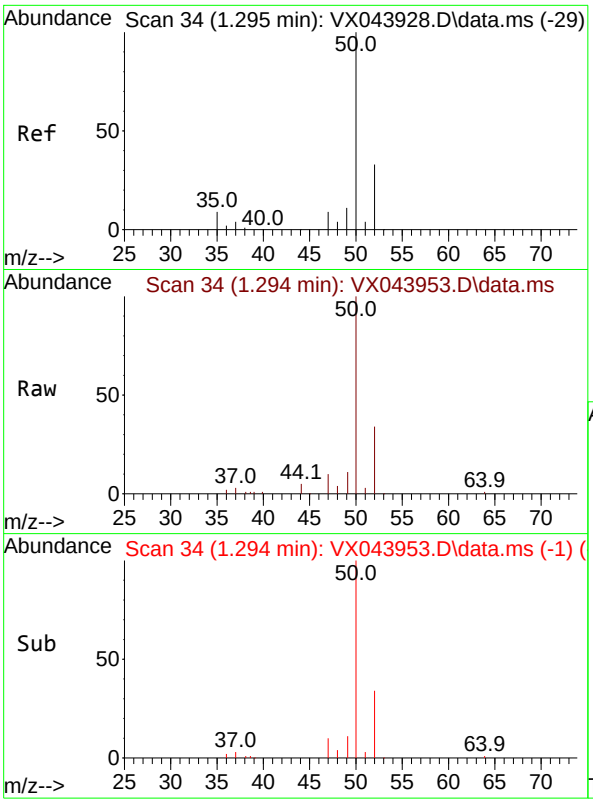


#2
Dichlorodifluoromethane
Concen: 19.985 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 85 Resp: 31130

Ion	Ratio	Lower	Upper
85	100		
87	36.3	16.6	49.8



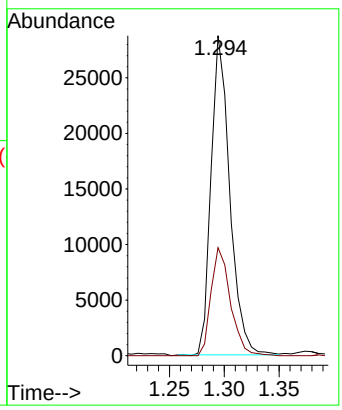


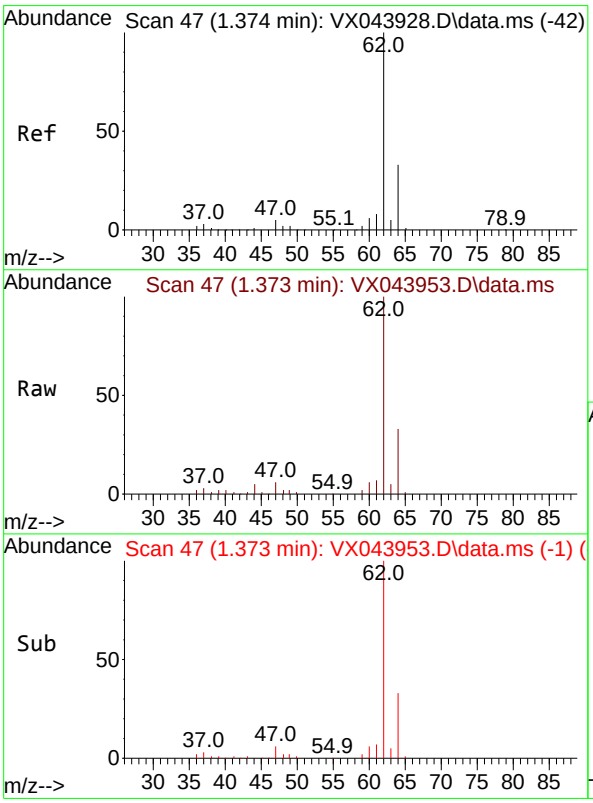
#3
Chloromethane
Concen: 20.791 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 50 Resp: 34079

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1

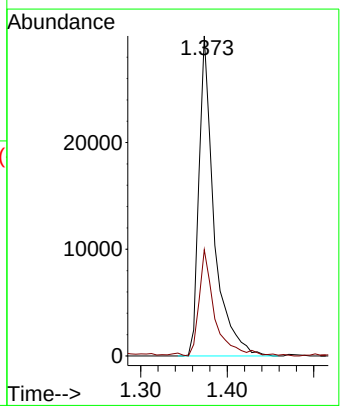


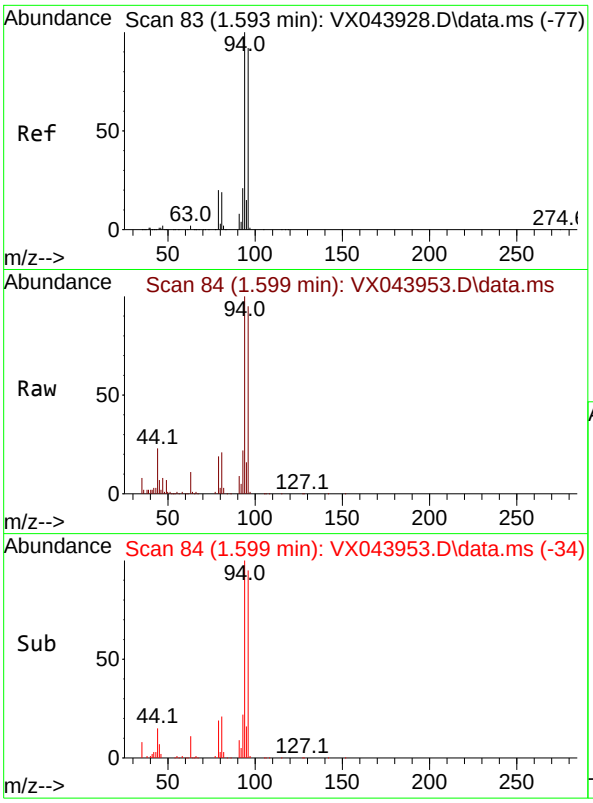


#4
Vinyl Chloride
Concen: 20.809 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 36280

Ion	Ratio	Lower	Upper
62	100		
64	33.0	26.2	39.4



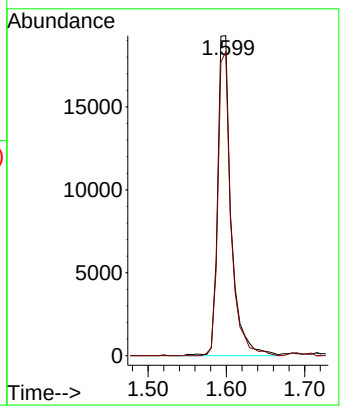


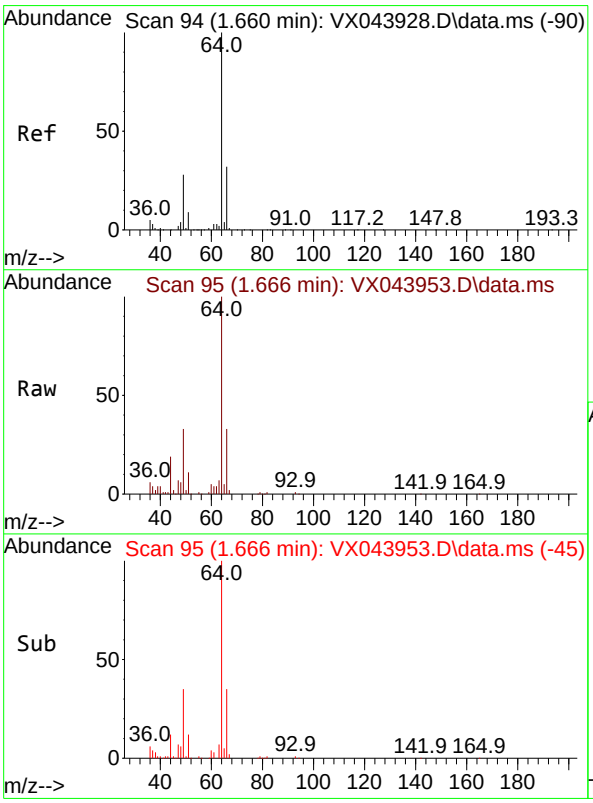
#5
Bromomethane
Concen: 21.548 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 94 Resp: 23111

Ion	Ratio	Lower	Upper
94	100		
96	94.9	73.9	110.9

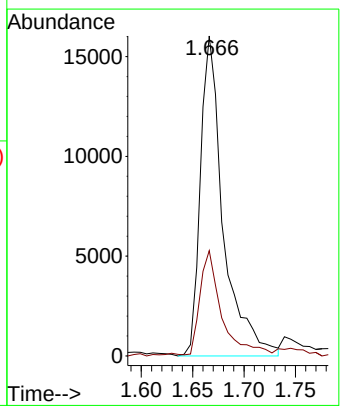


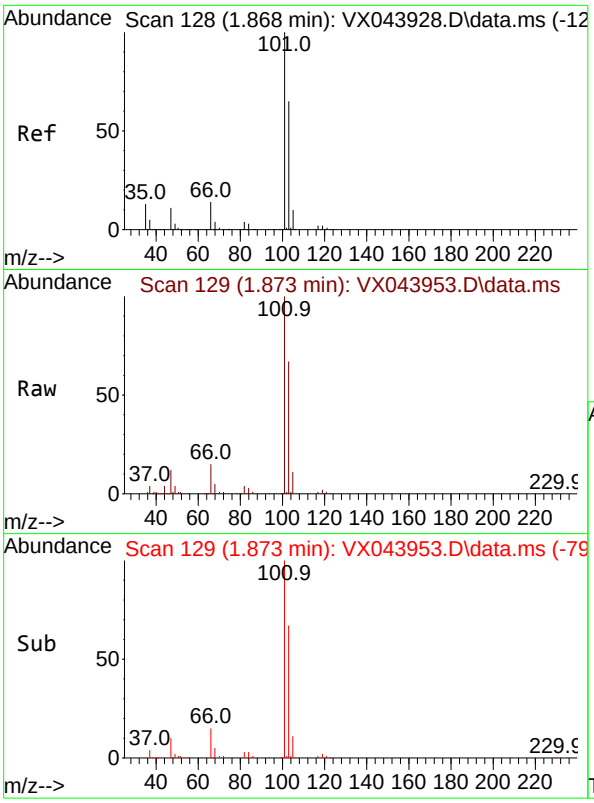


#6
Chloroethane
Concen: 23.371 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 64 Resp: 24828

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9



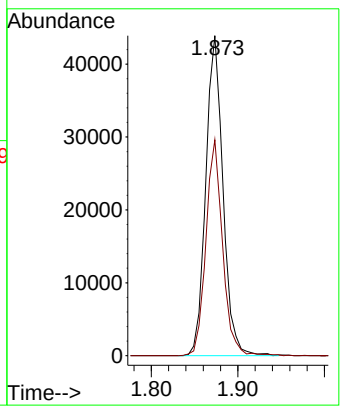


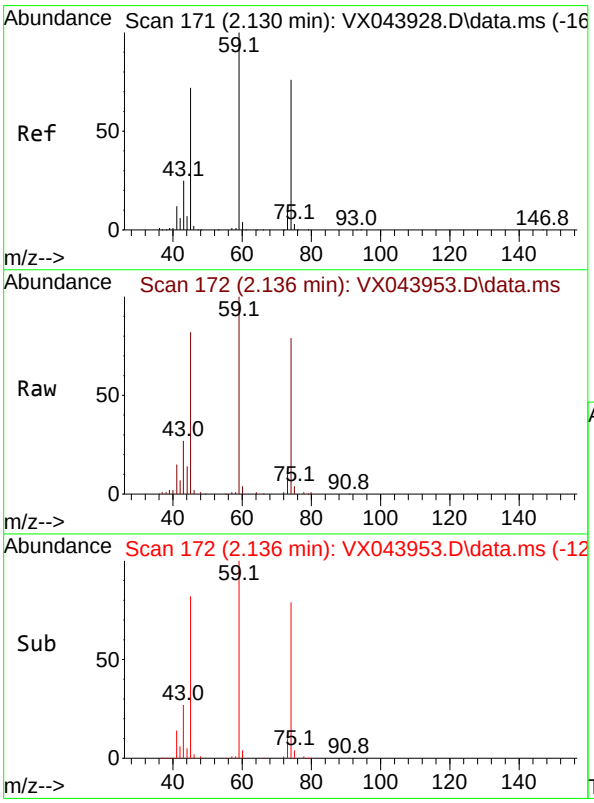
#7
Trichlorofluoromethane
Concen: 19.455 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:101 Resp: 60641

Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.2	78.2

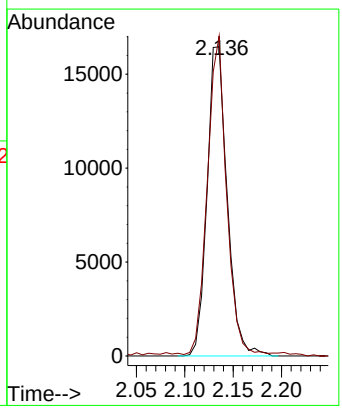


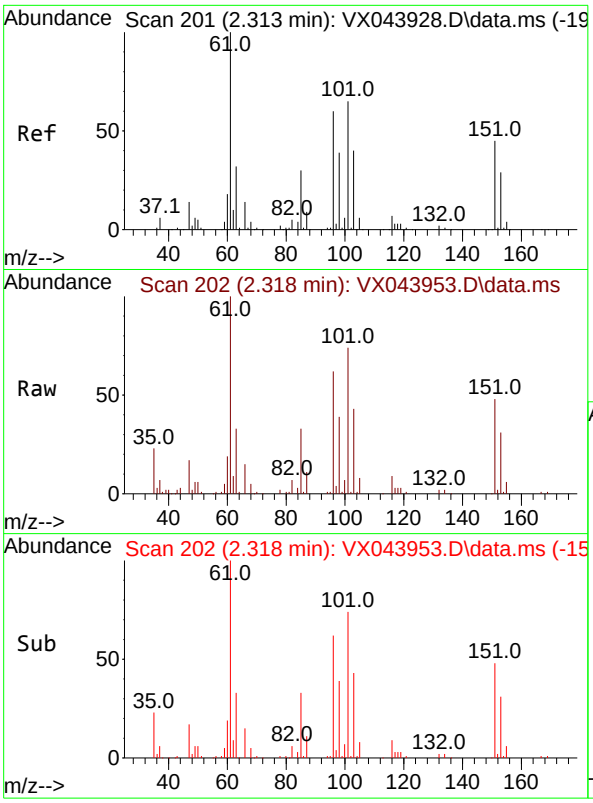


#8
Diethyl Ether
Concen: 21.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 74 Resp: 23915

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.6



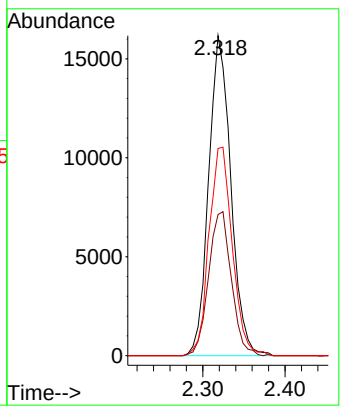


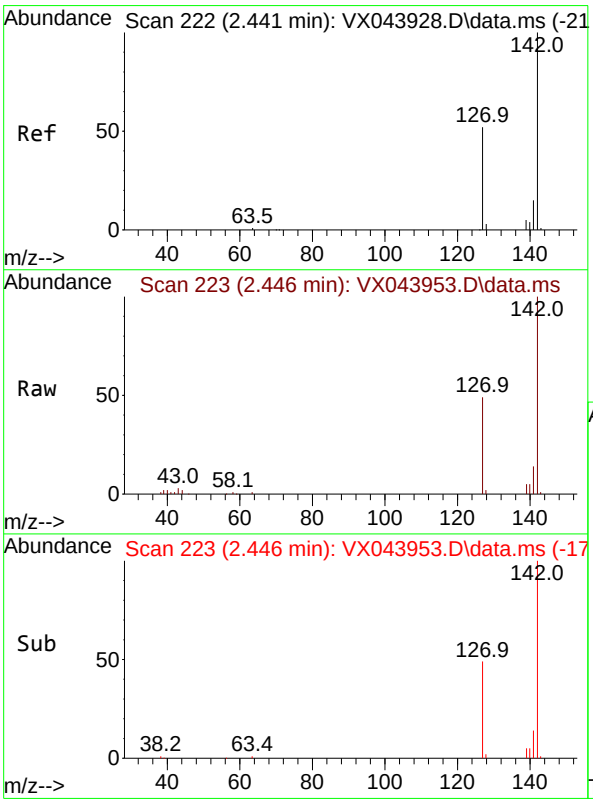
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.414 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:101 Resp: 30353

Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.9	56.9
151	68.2	57.5	86.3

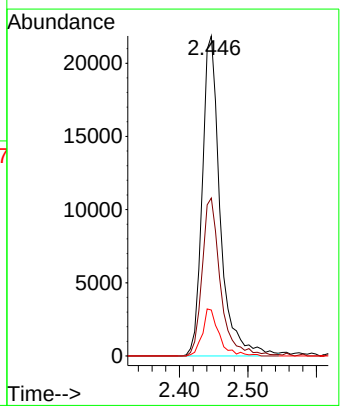


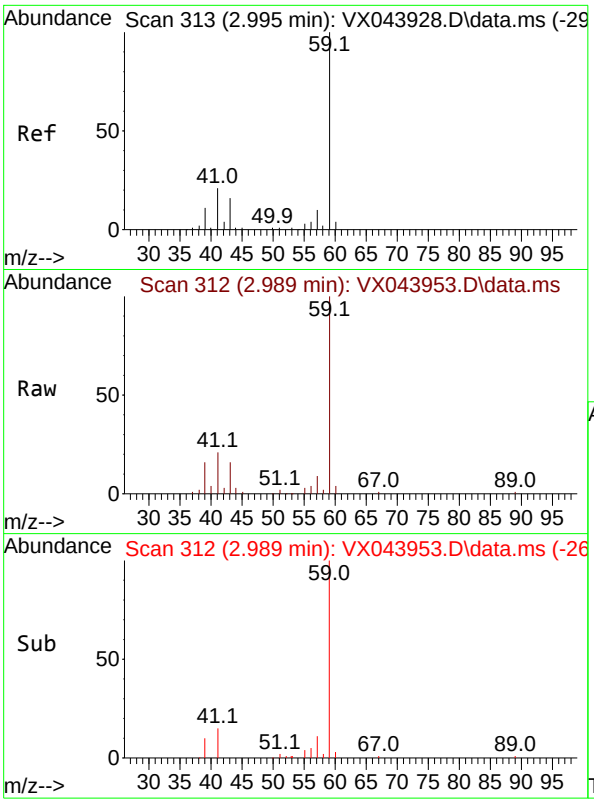


#10
Methyl Iodide
Concen: 21.427 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.7	61.1
141	13.8	12.0	18.0



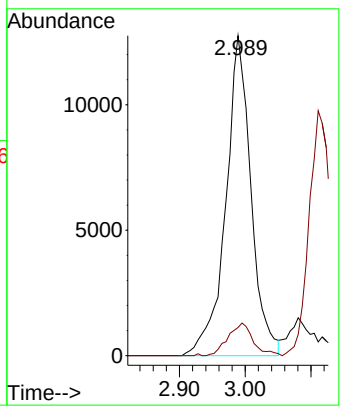


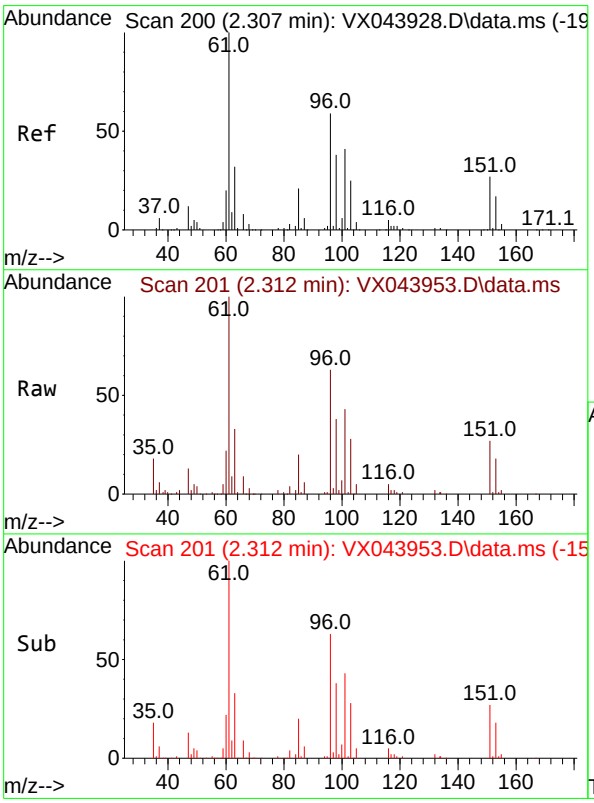
#11
Tert butyl alcohol
Concen: 100.588 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 59 Resp: 34049

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

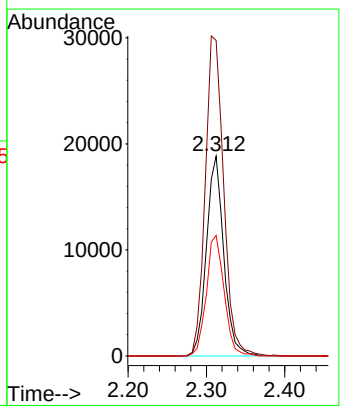


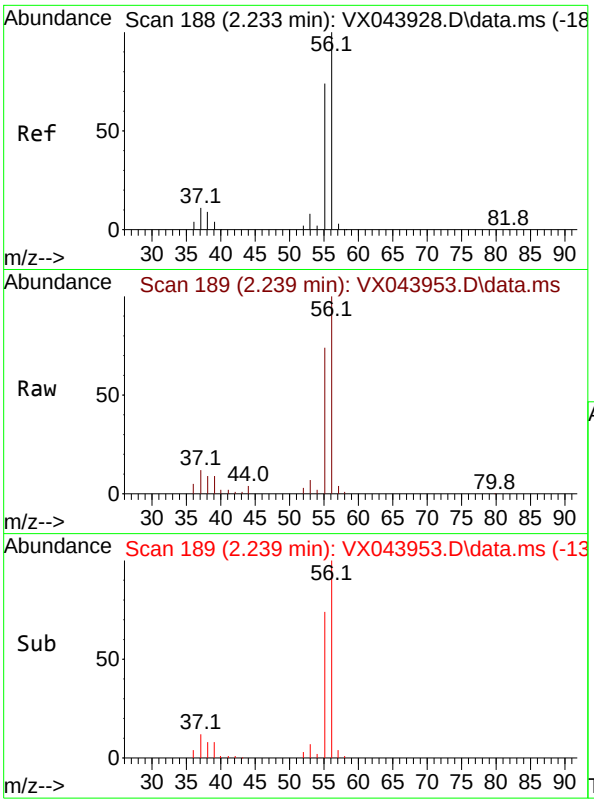


#12
1,1-Dichloroethene
Concen: 20.417 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 28927

Ion	Ratio	Lower	Upper
96	100		
61	158.0	135.5	203.3
98	60.3	50.8	76.2



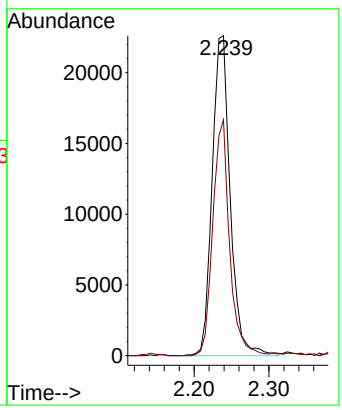


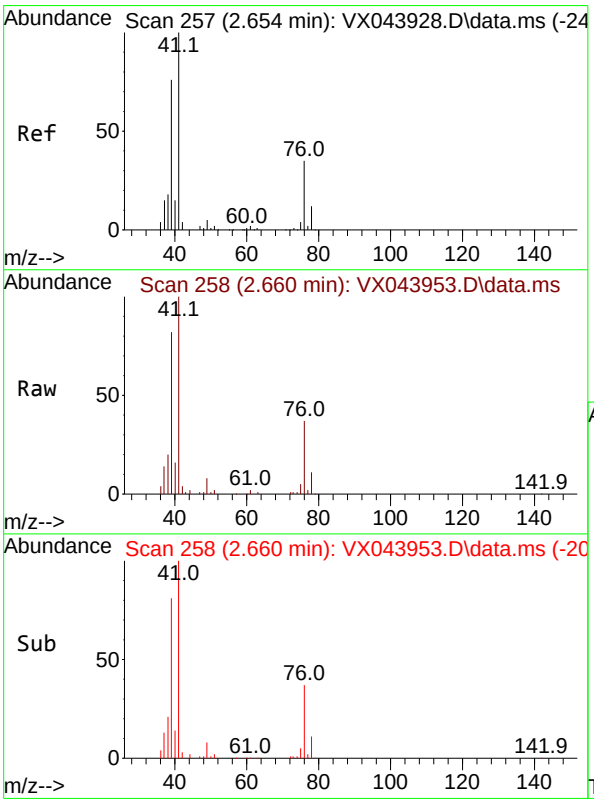
#13
Acrolein
Concen: 106.330 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 56 Resp: 37938

Ion	Ratio	Lower	Upper
56	100		
55	68.4	58.2	87.2

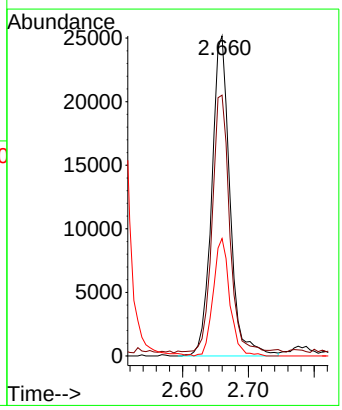


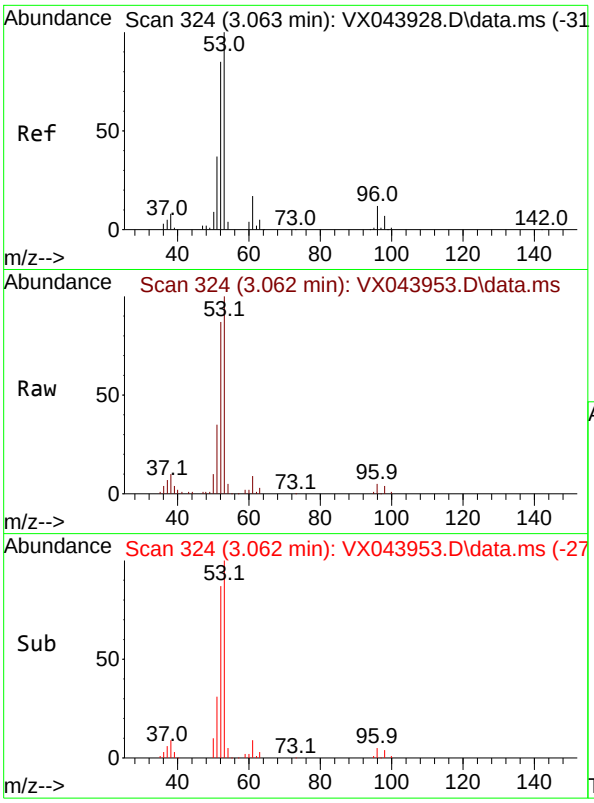


#14
Allyl chloride
Concen: 21.009 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 48638

Ion	Ratio	Lower	Upper
41	100		
39	77.4	59.5	89.3
76	33.1	27.4	41.2



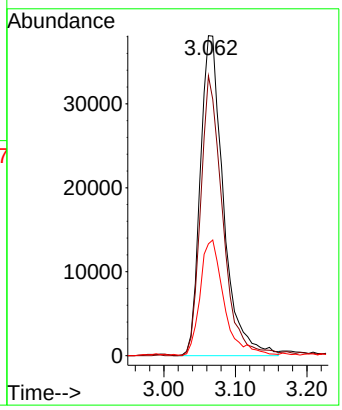


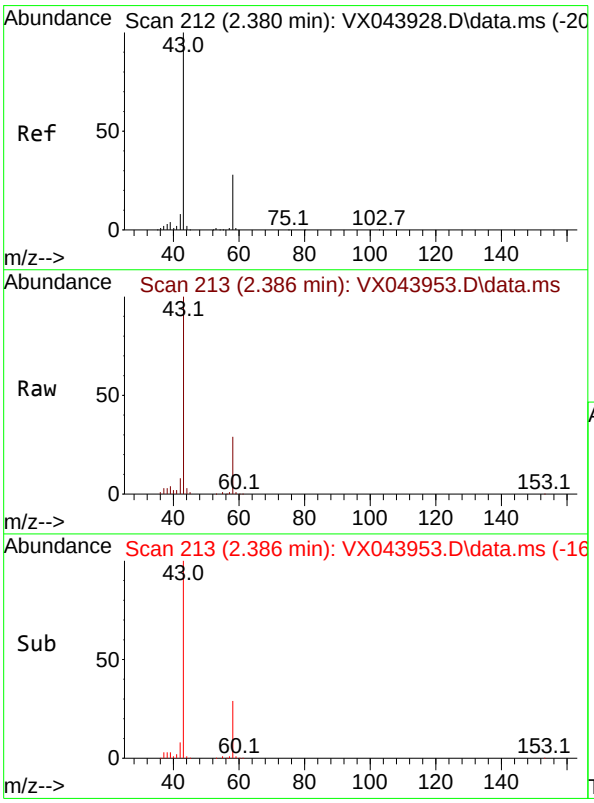
#15
Acrylonitrile
Concen: 103.970 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 53 Resp: 85765

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	36.9	30.2	45.4

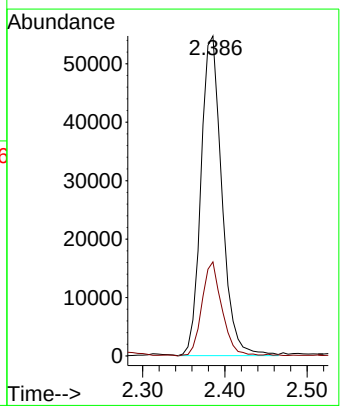


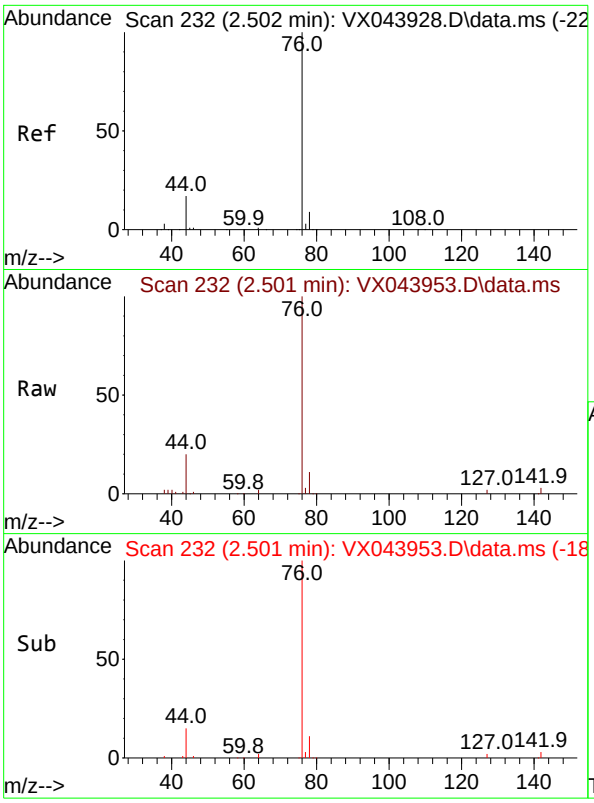


#16
Acetone
Concen: 99.942 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 96805

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.7	34.1



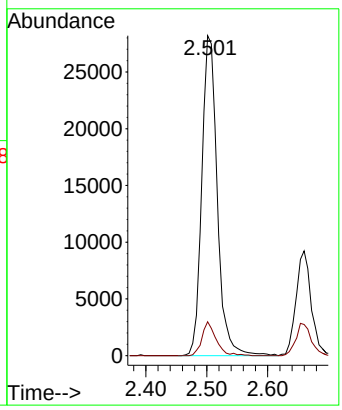


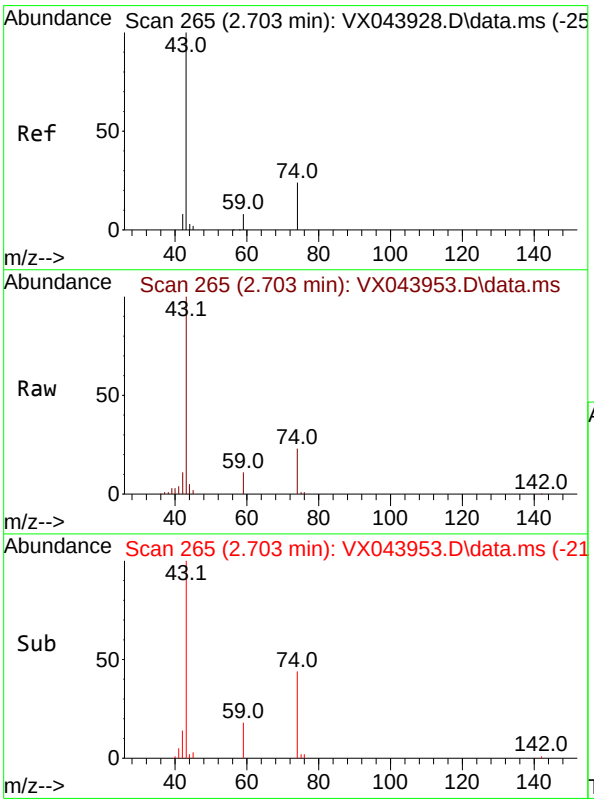
#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 76 Resp: 49804

Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.0	10.6#

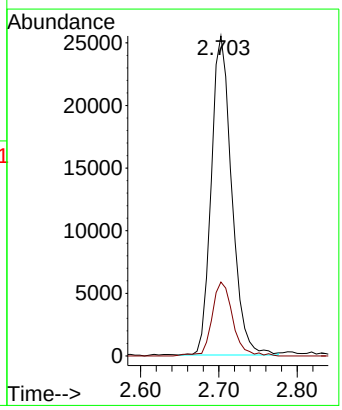


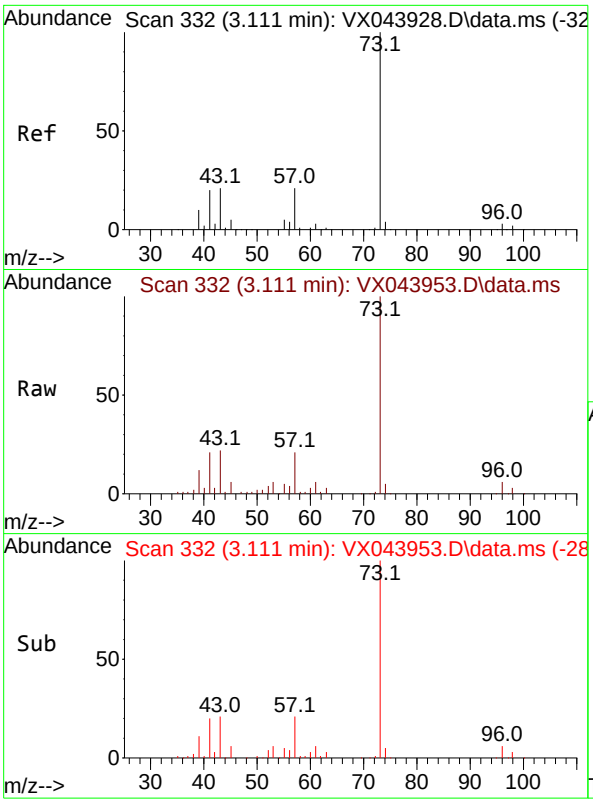


#18
Methyl Acetate
Concen: 20.512 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 46269

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3



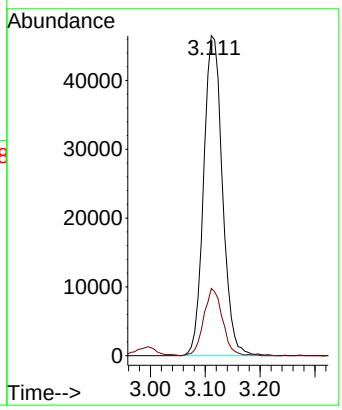


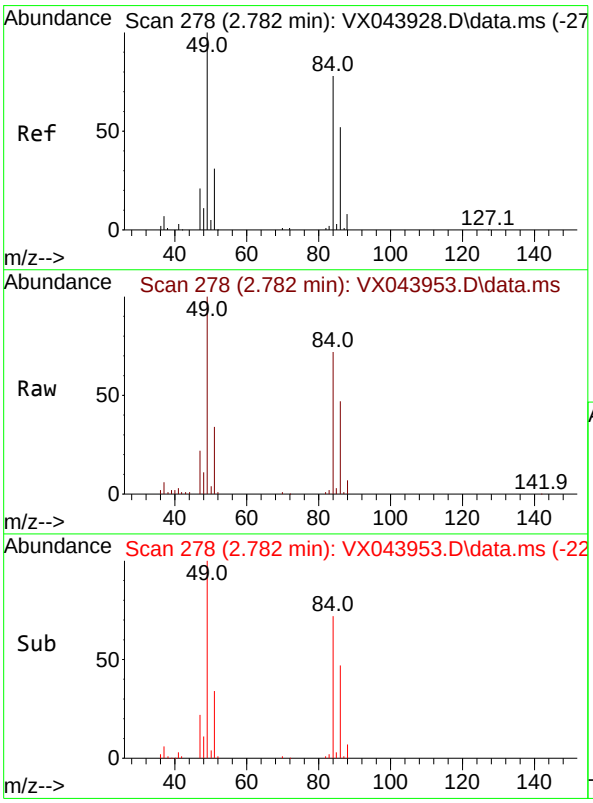
#19
Methyl tert-butyl Ether
Concen: 21.507 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 73 Resp: 110640

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.0	25.6

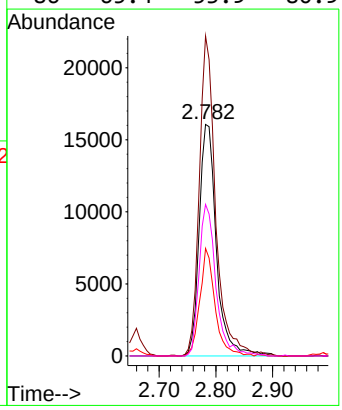


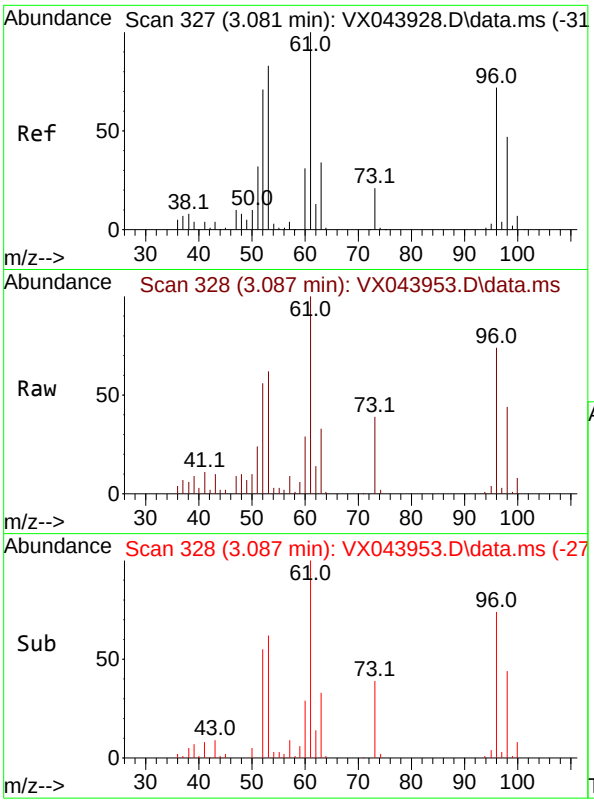


#20
Methylene Chloride
Concen: 20.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071

Ion	Ratio	Lower	Upper
84	100		
49	138.2	102.7	154.1
51	46.5	31.7	47.5
86	65.4	53.9	80.9



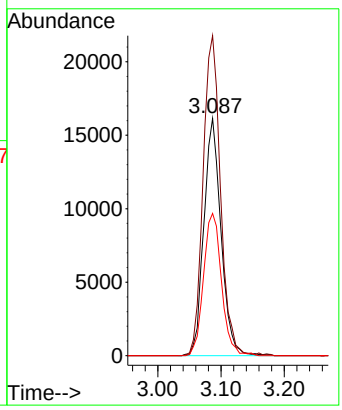


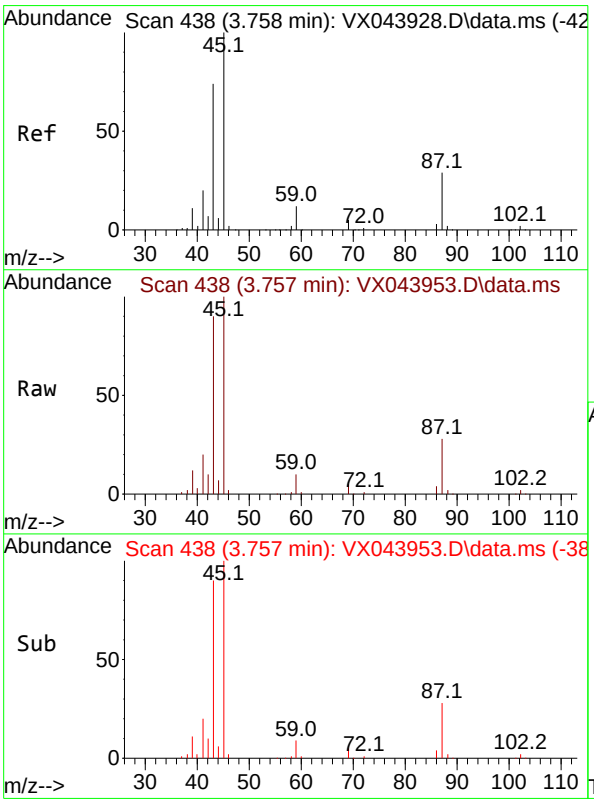
#21
trans-1,2-Dichloroethene
Concen: 20.871 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 96 Resp: 30530

Ion	Ratio	Lower	Upper
96	100		
61	134.8	111.8	167.6
98	59.9	52.7	79.1

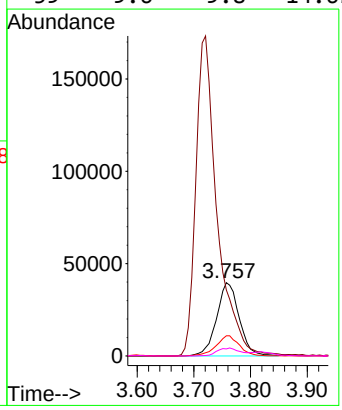


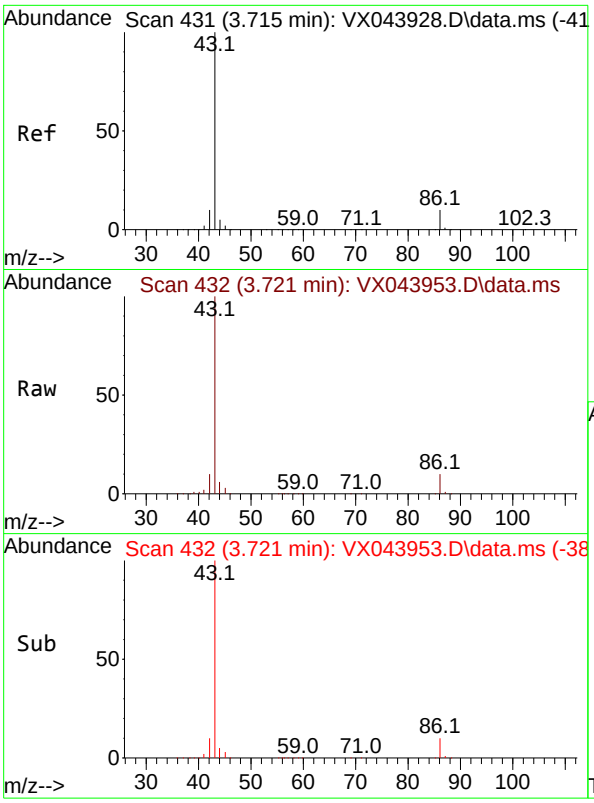


#22
Diisopropyl ether
Concen: 22.124 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520

Ion	Ratio	Lower	Upper
45	100		
43	89.8	59.6	89.4#
87	27.5	22.9	34.3
59	9.6	9.8	14.6#



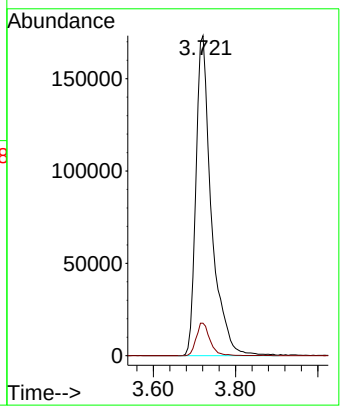


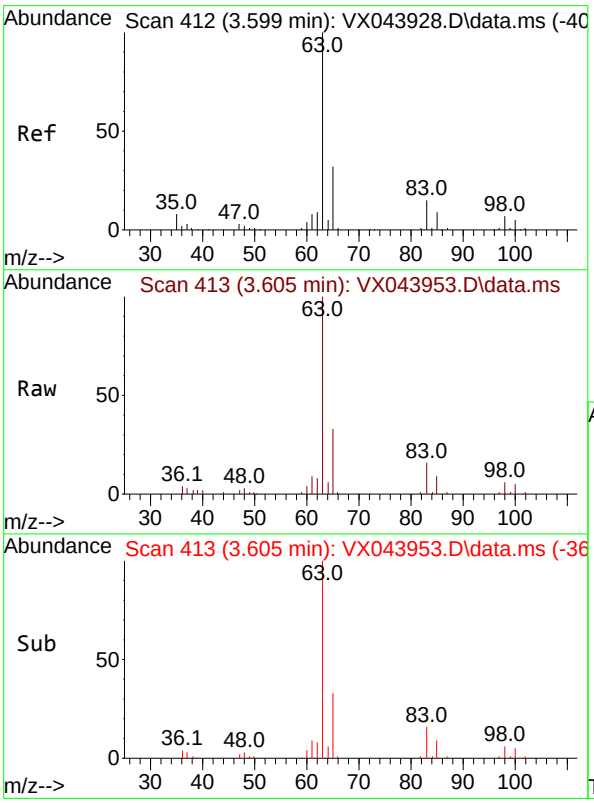
#23
Vinyl Acetate
Concen: 107.047 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 43 Resp: 453316

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

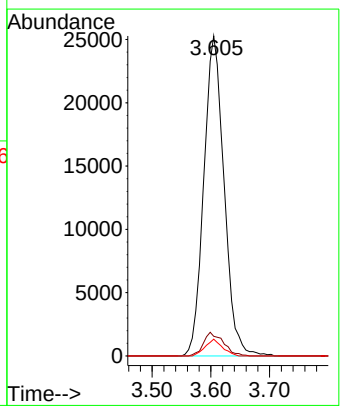


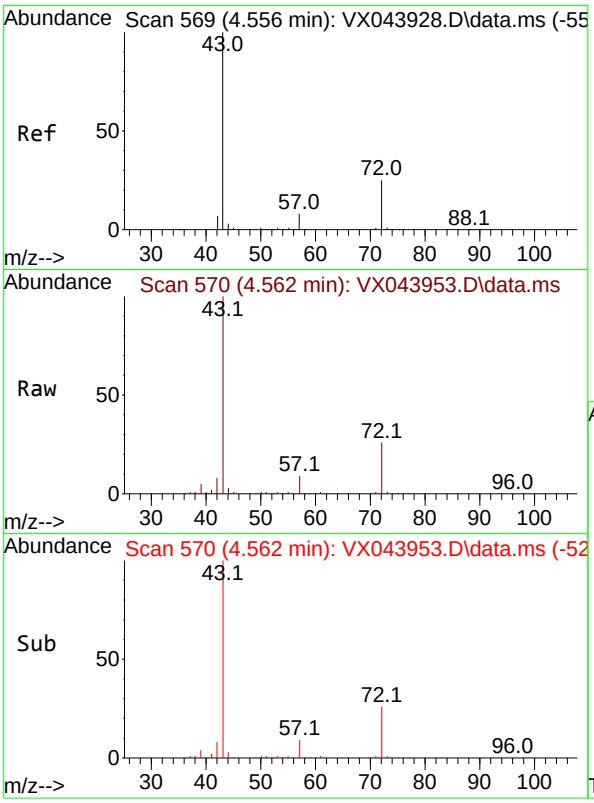


#24
1,1-Dichloroethane
Concen: 21.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 60662

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	5.2	2.4	7.1



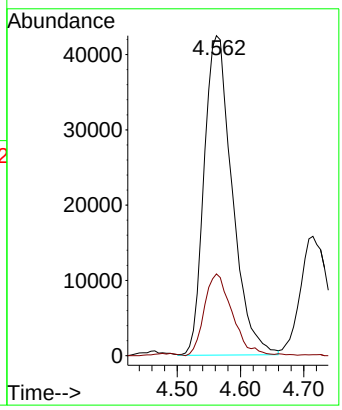


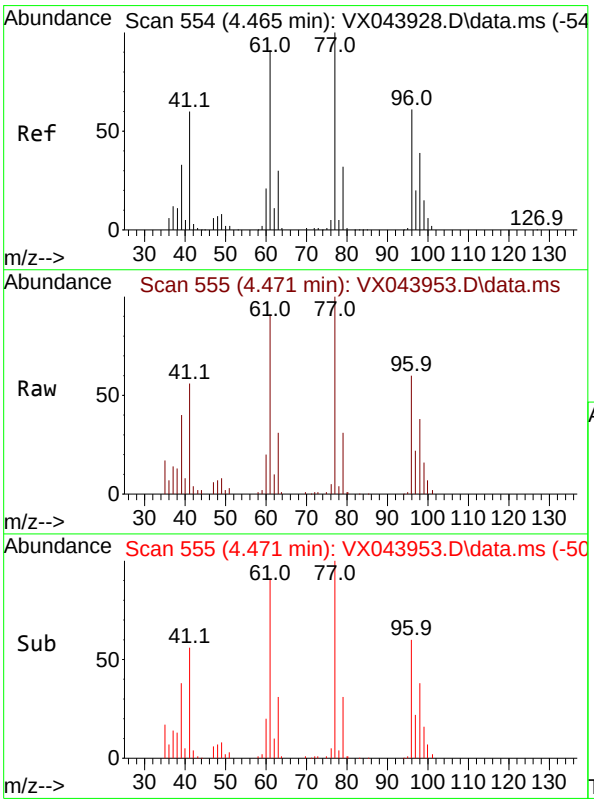
#25
2-Butanone
Concen: 104.675 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 43 Resp: 130824

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.2

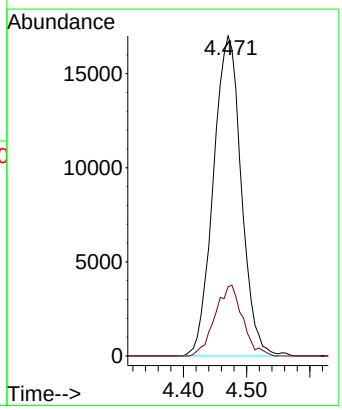


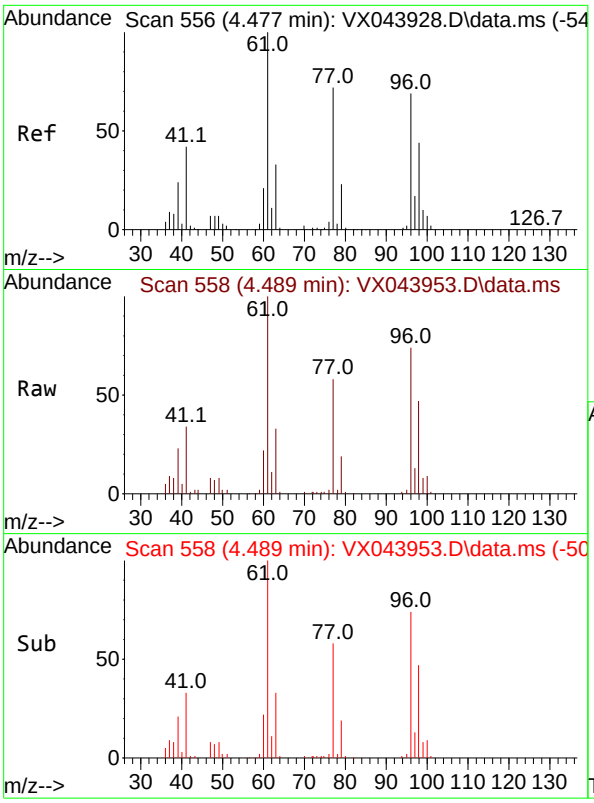


#26
2,2-Dichloropropane
Concen: 20.178 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 77 Resp: 52043

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



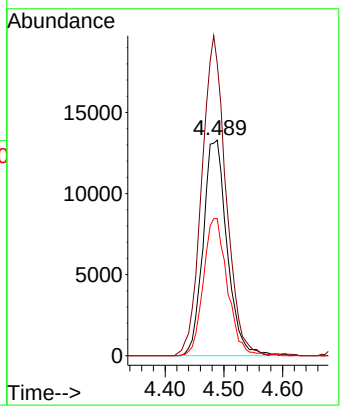


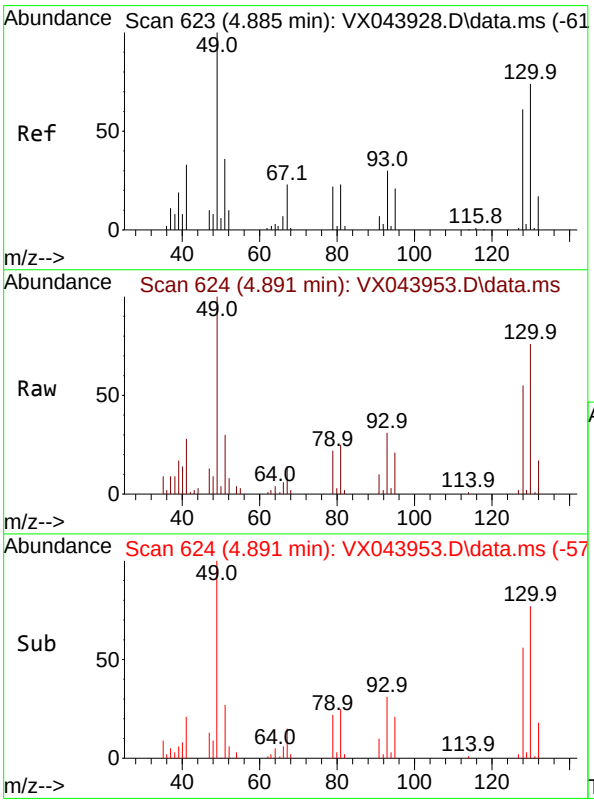
#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 96 Resp: 37579

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	297.4
98	63.7	0.0	127.8

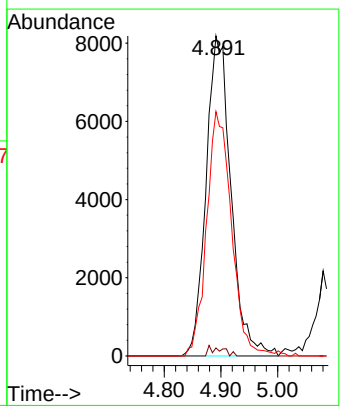


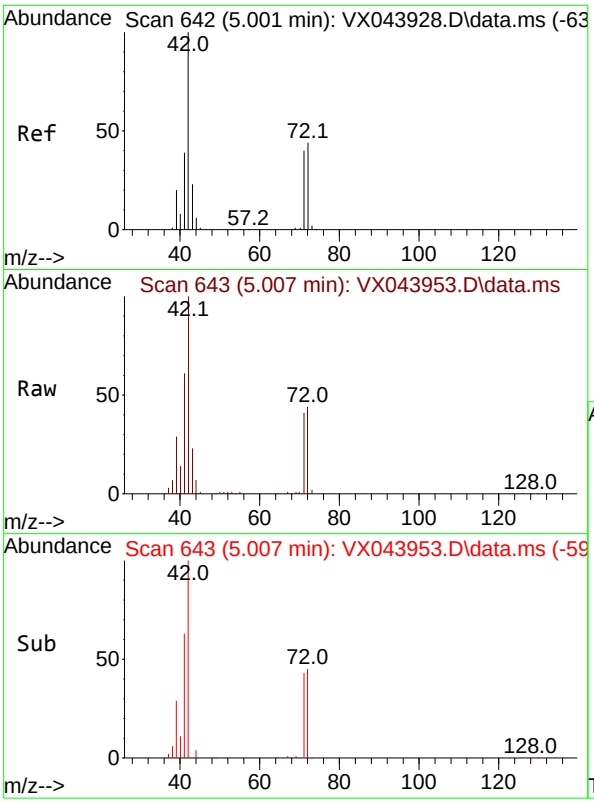


#28
Bromochloromethane
Concen: 19.846 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 49 Resp: 24947

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.0
130	76.0	59.0	88.6



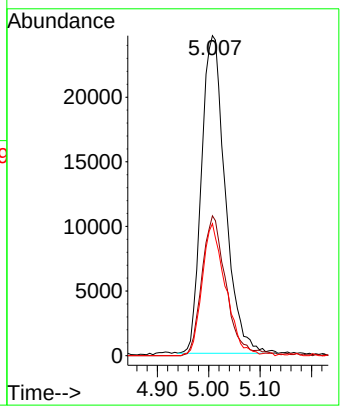


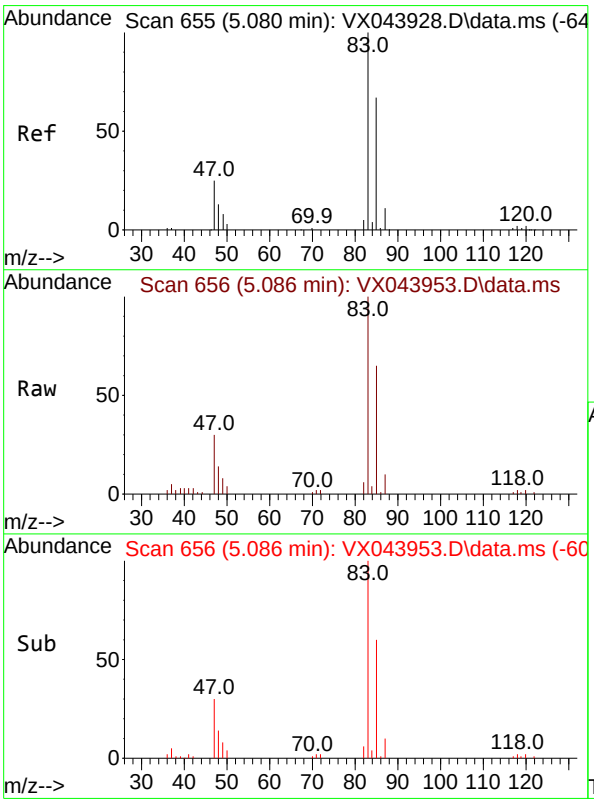
#29
Tetrahydrofuran
Concen: 103.164 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 42 Resp: 79046

Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.4	54.6
71	40.9	33.4	50.0

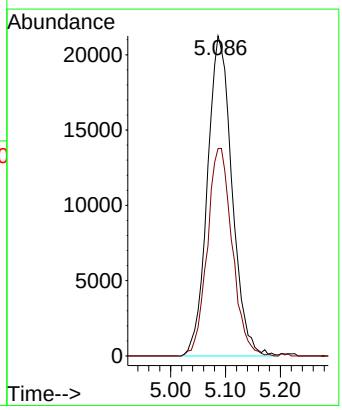


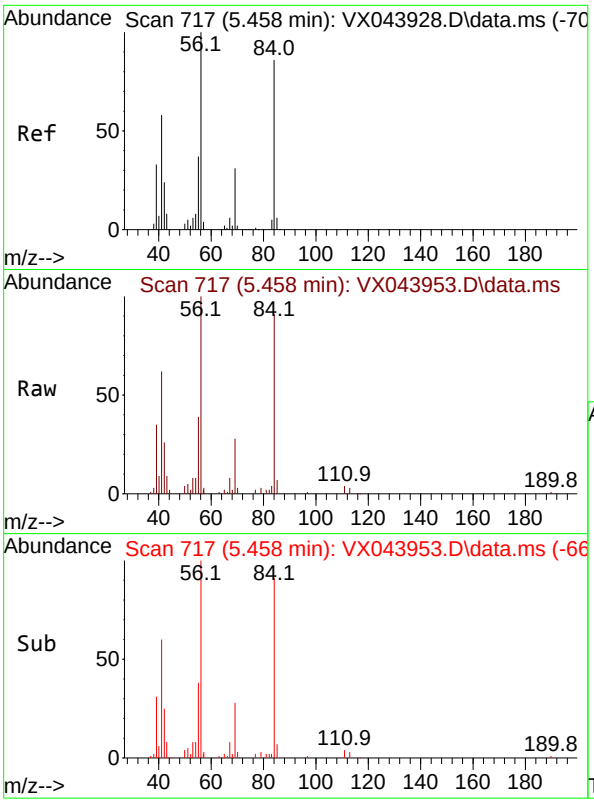


#30
Chloroform
Concen: 21.602 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 66350

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3



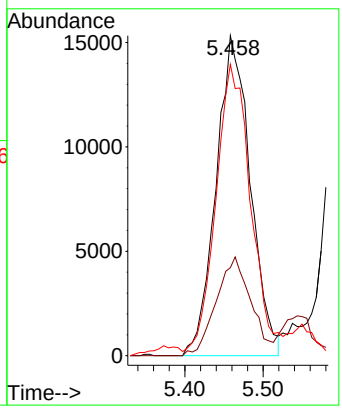


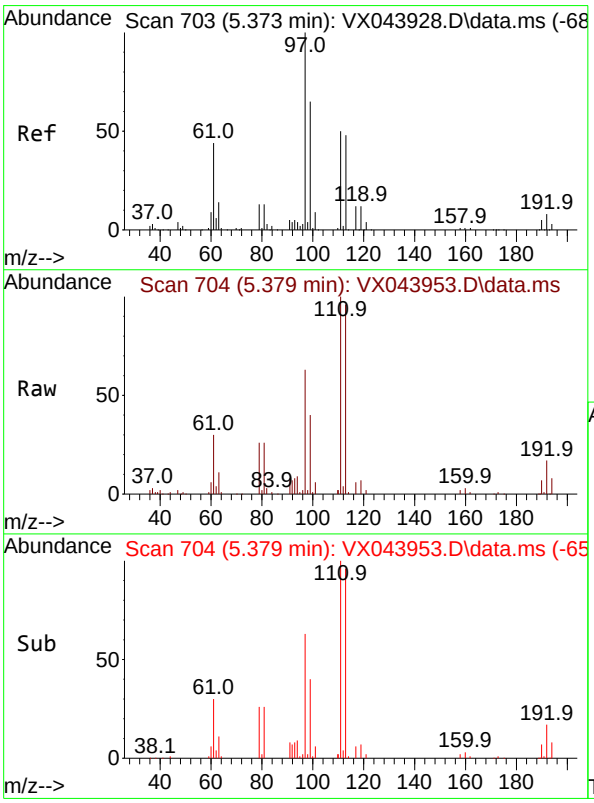
#31
Cyclohexane
Concen: 19.867 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 56 Resp: 46697

Ion	Ratio	Lower	Upper
56	100		
69	27.5	24.7	37.1
84	88.5	68.7	103.1

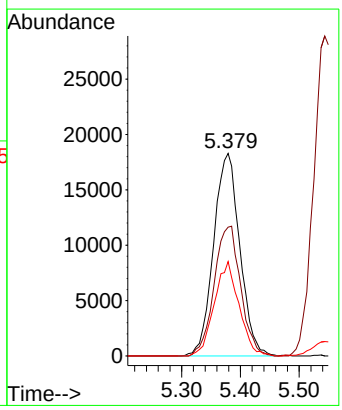


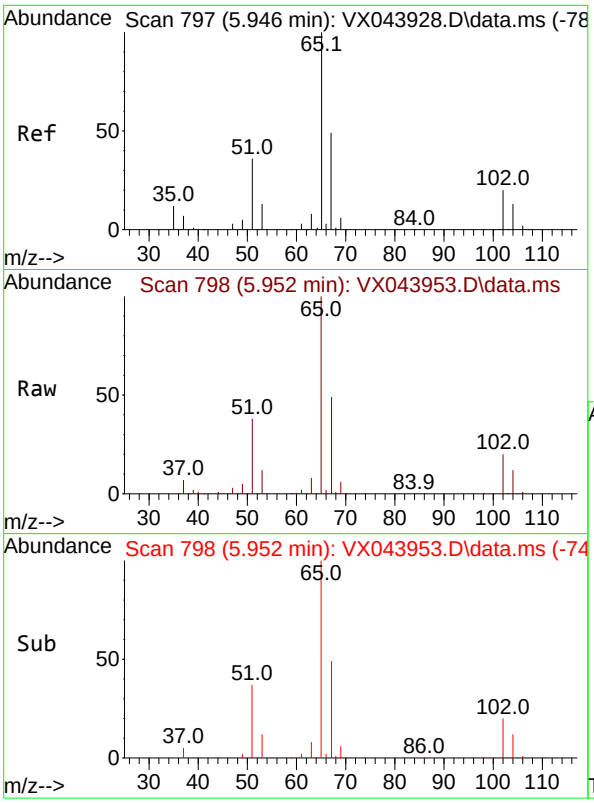


#32
1,1,1-Trichloroethane
Concen: 21.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 56657

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	43.9	35.4	53.2



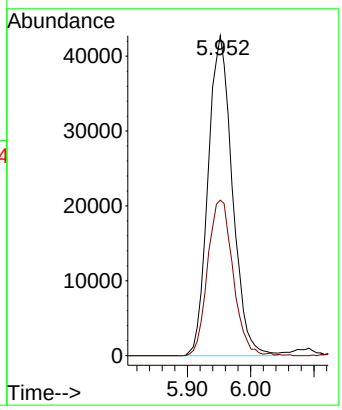


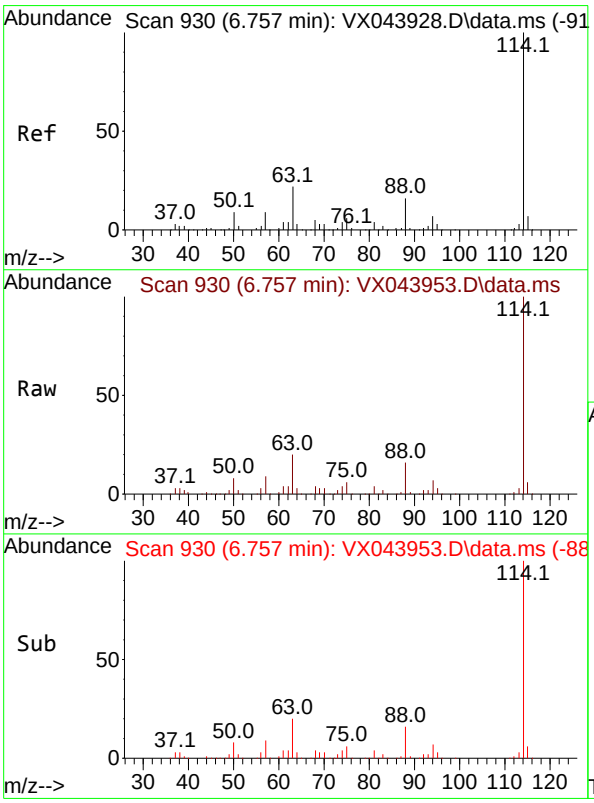
#33
1,2-Dichloroethane-d4
Concen: 53.986 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 65 Resp: 113852

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	100.8

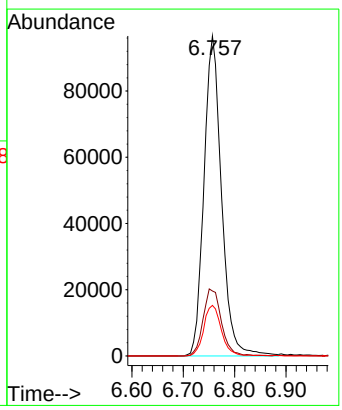


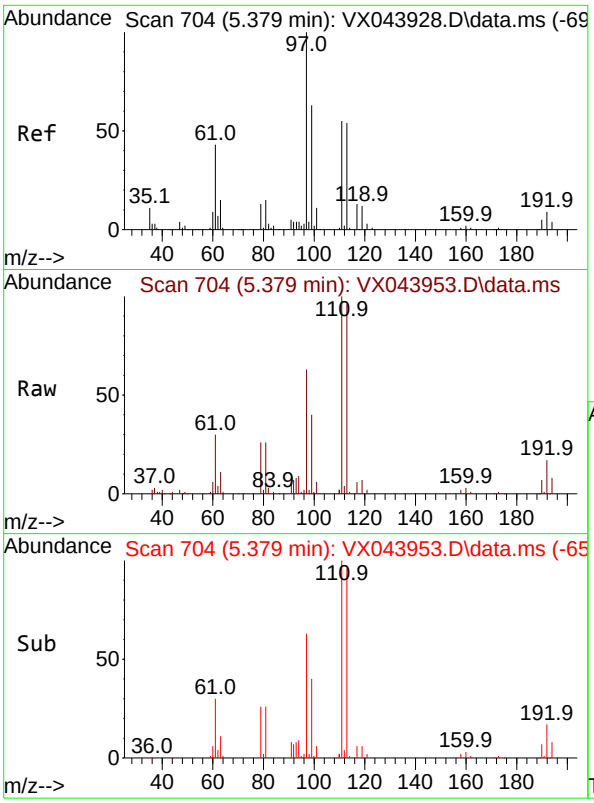


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:114 Resp: 229417

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.8	0.0	32.4



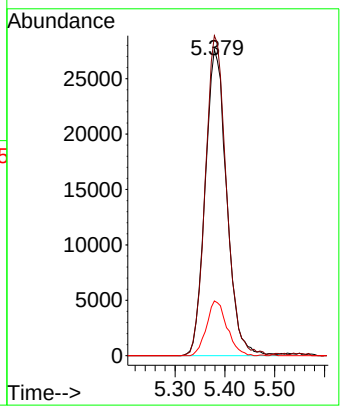


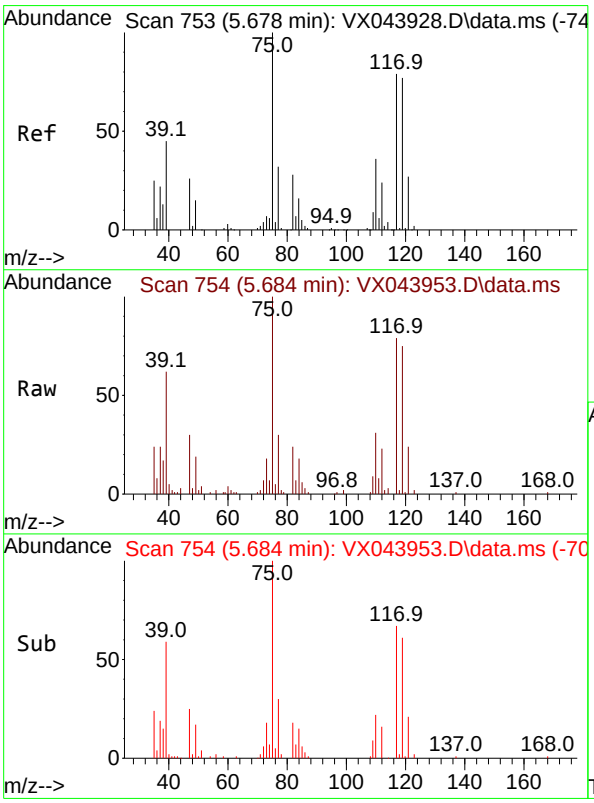
#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:113 Resp: 82706

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.4
192	17.0	13.0	19.6

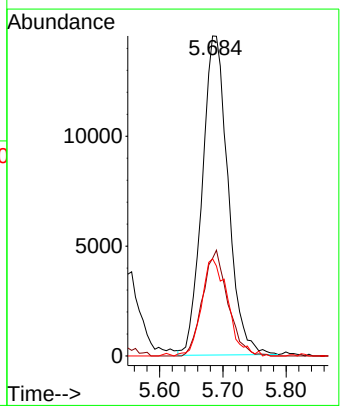


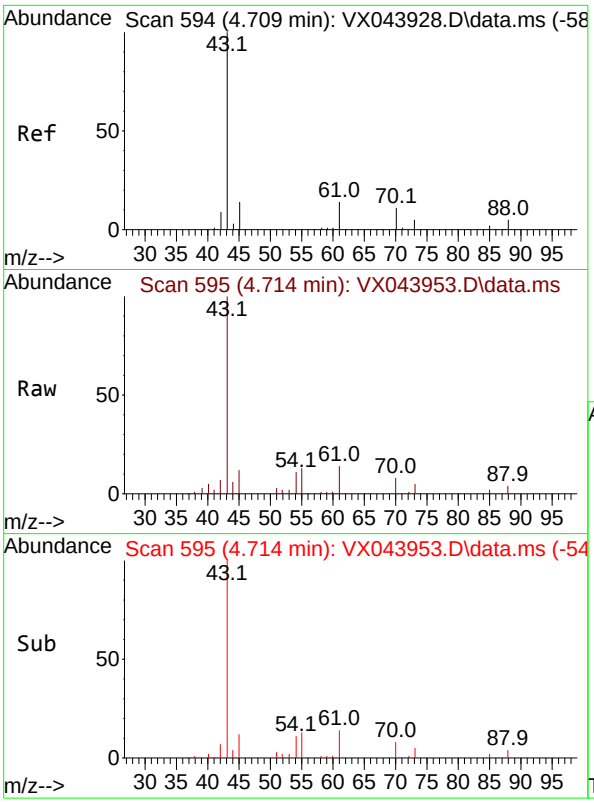


#36
1,1-Dichloropropene
Concen: 20.185 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234

Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.4	52.2
77	31.0	25.8	38.8



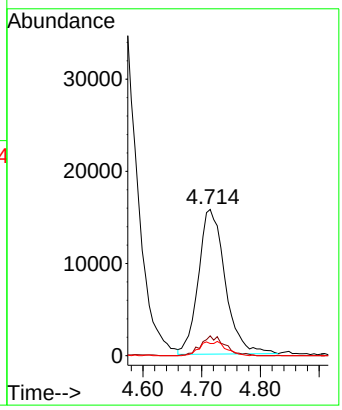


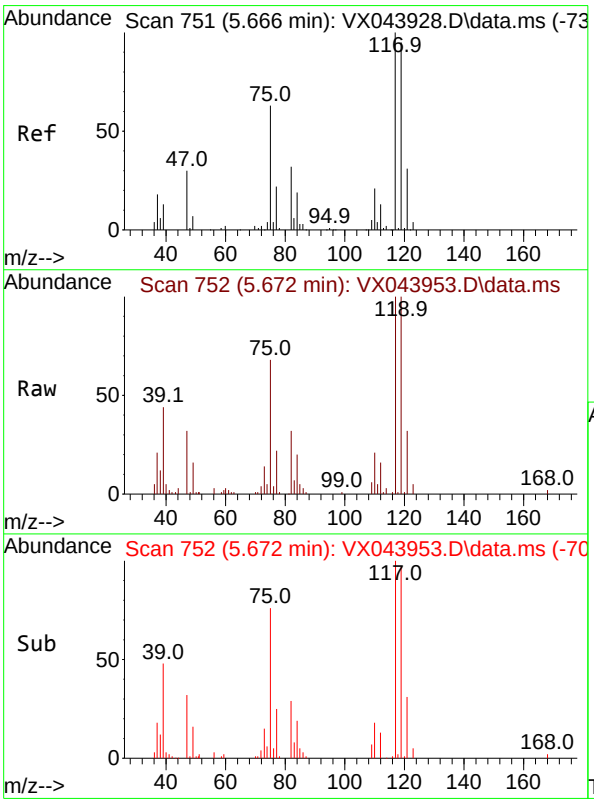
#37
Ethyl Acetate
Concen: 19.620 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 43 Resp: 49752

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	4.4	8.0	12.0#

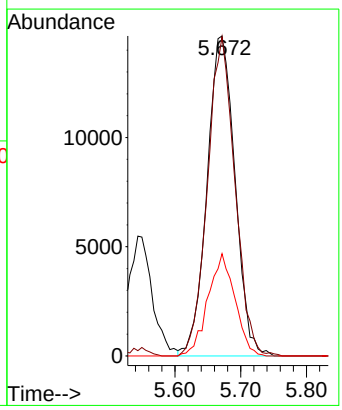


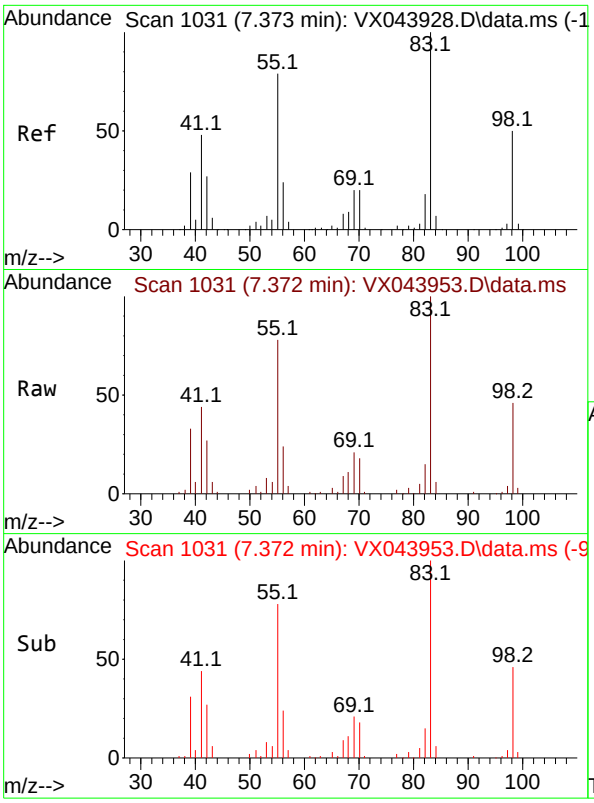


#38
Carbon Tetrachloride
Concen: 18.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 43324

Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.2	112.8
121	32.0	24.5	36.7



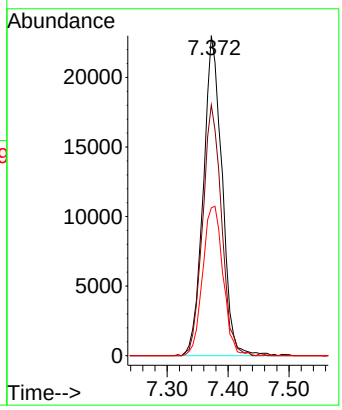


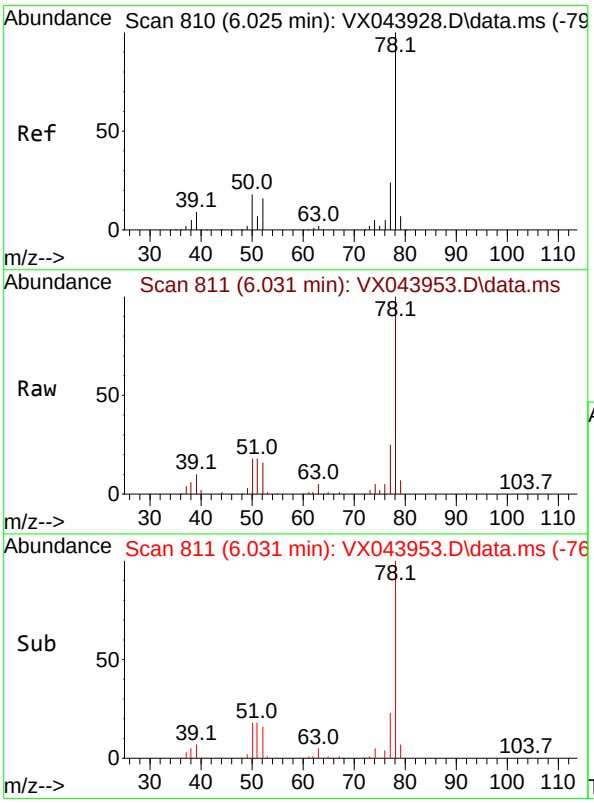
#39
Methylcyclohexane
Concen: 18.550 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 83 Resp: 49229

Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.1	94.7
98	46.2	40.0	60.0

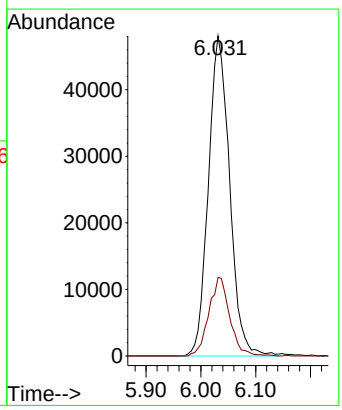


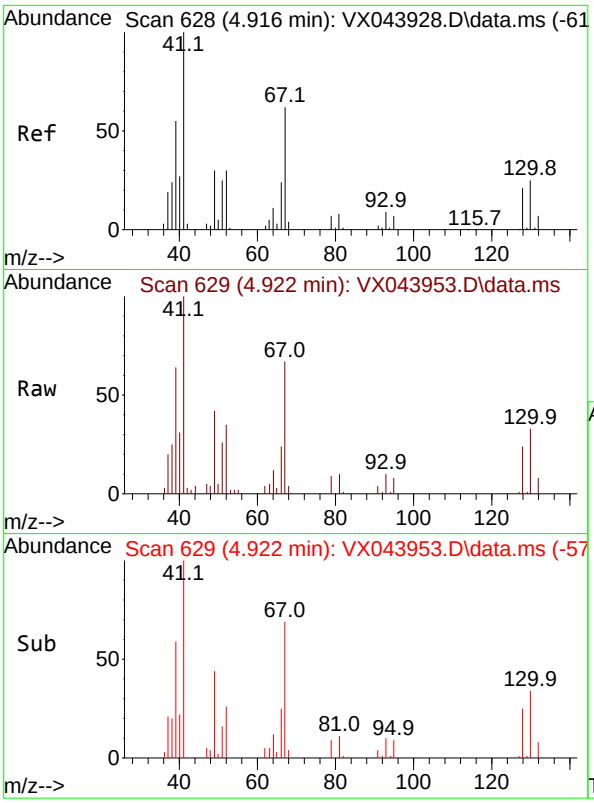


#40
Benzene
Concen: 20.319 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 78 Resp: 129291

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8



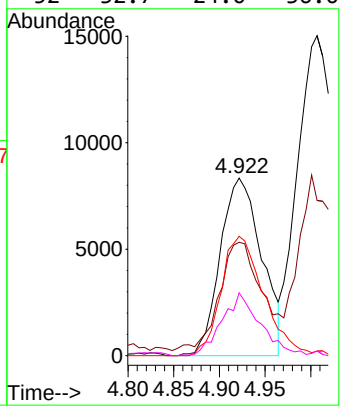


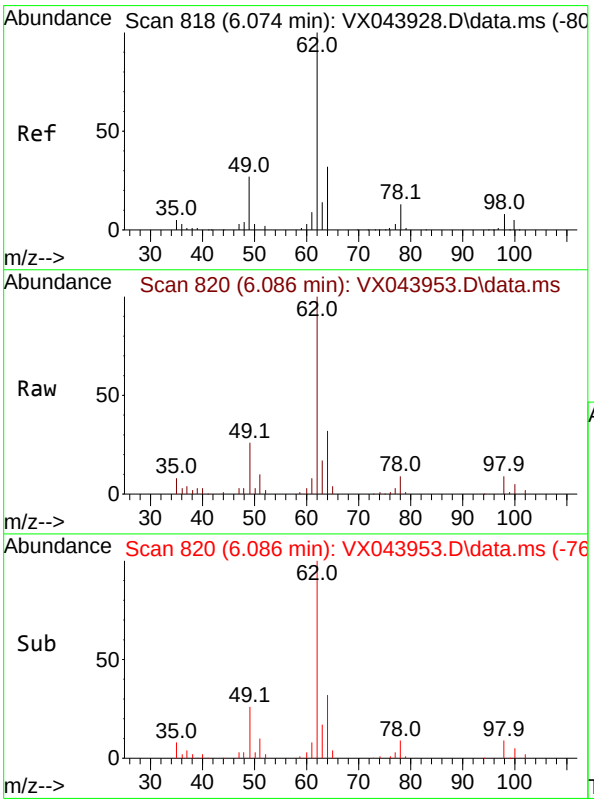
#41
Methacrylonitrile
Concen: 20.295 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 41 Resp: 26340

Ion	Ratio	Lower	Upper
41	100		
39	63.4	41.7	62.5#
67	69.9	55.8	83.8
52	32.7	24.0	36.0

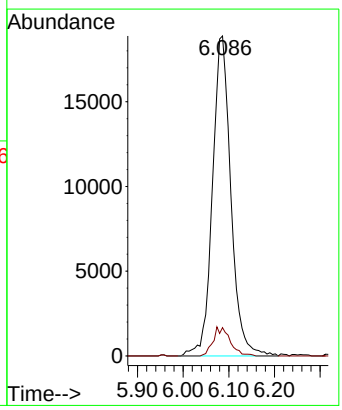


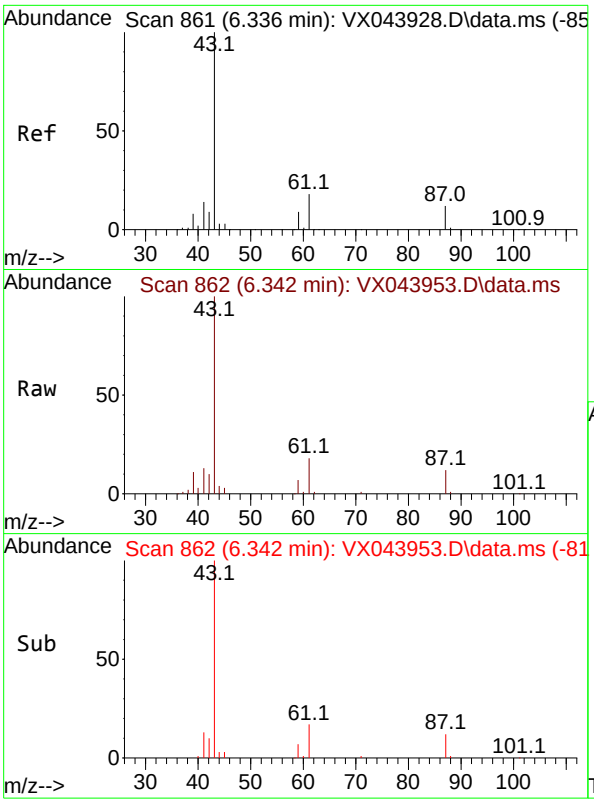


#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 52905

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4



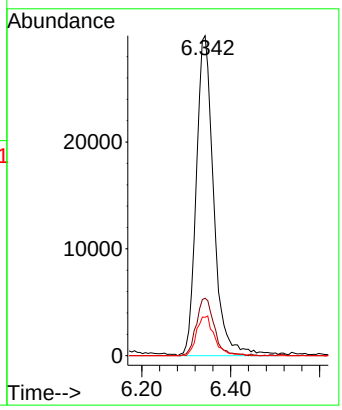


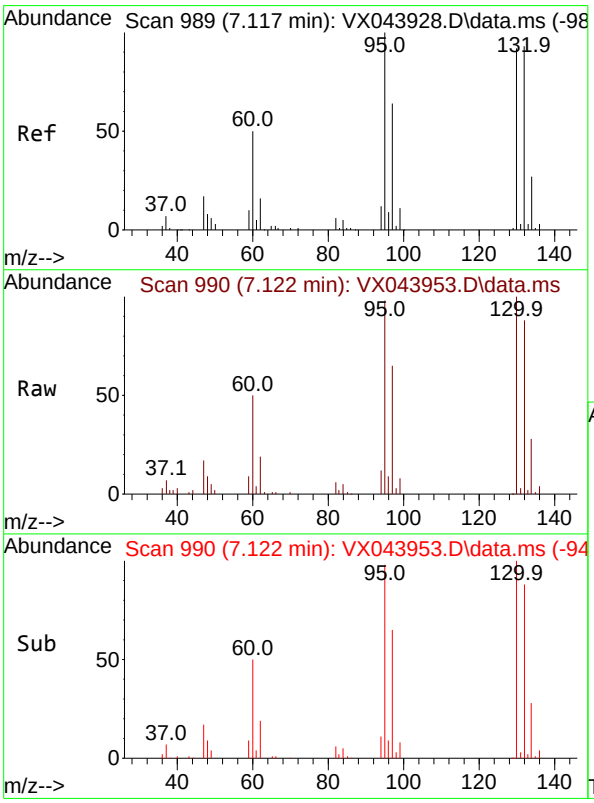
#43
Isopropyl Acetate
Concen: 20.264 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 43 Resp: 81776

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	12.7	10.2	15.2

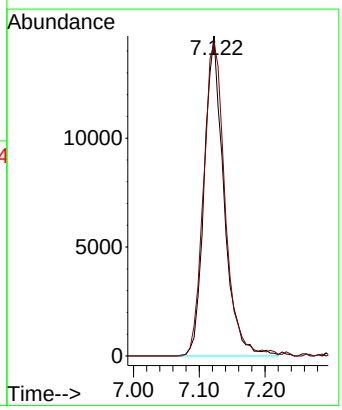


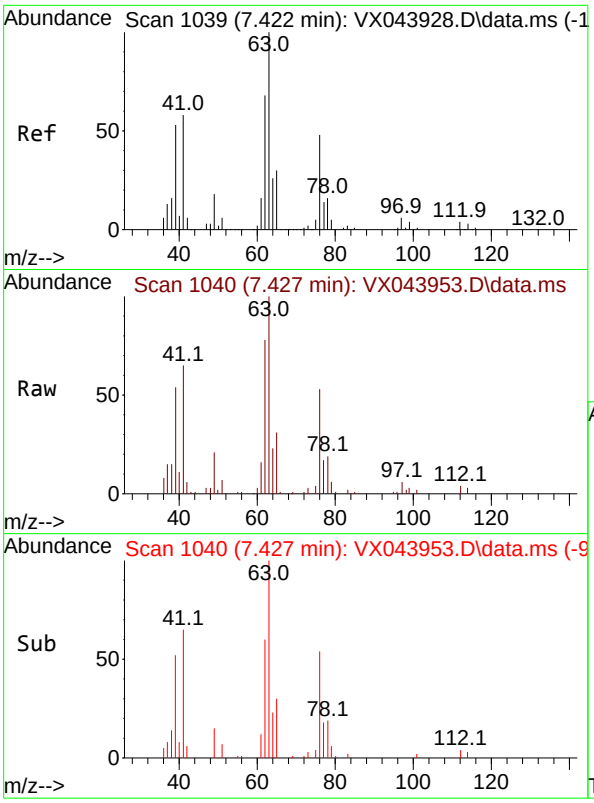


#44
Trichloroethene
Concen: 16.978 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:130 Resp: 30582

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	217.8



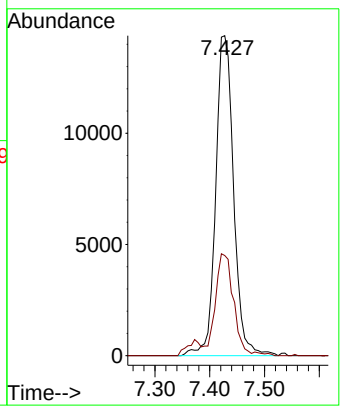


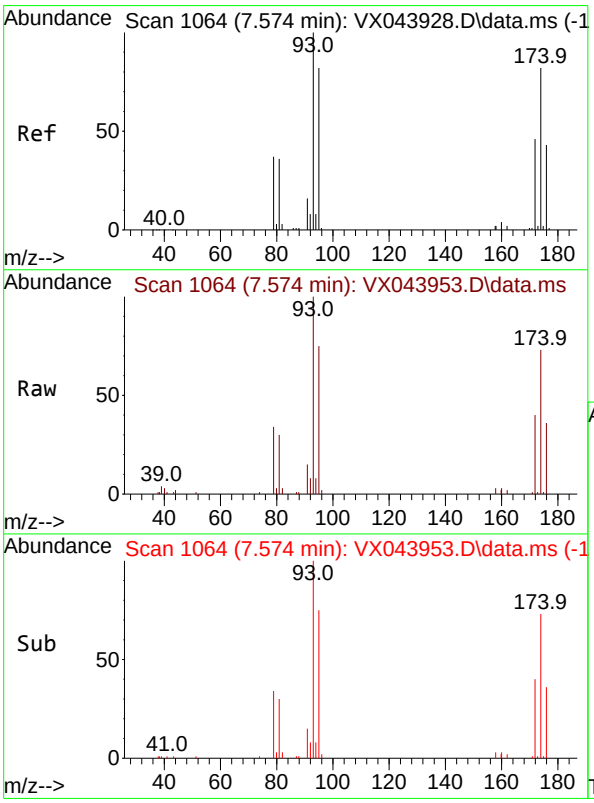
#45
1,2-Dichloropropane
Concen: 21.032 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 63 Resp: 32777

Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.6

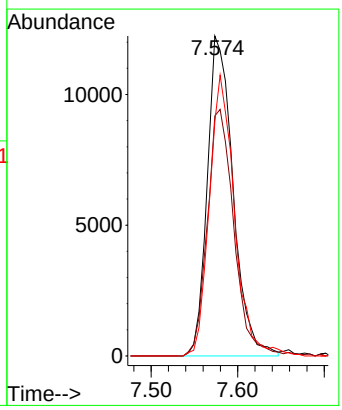


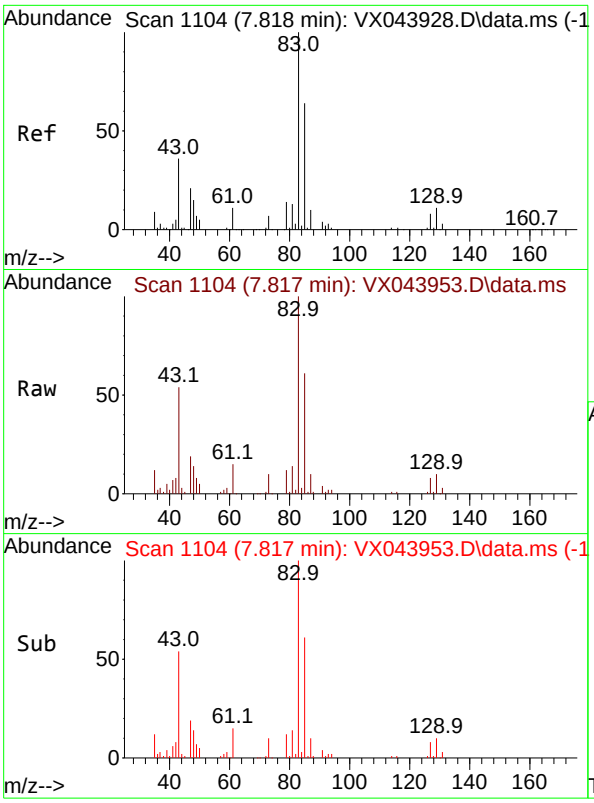


#46
Dibromomethane
Concen: 20.535 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 93 Resp: 25316

Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.2	99.4
174	85.6	69.6	104.4



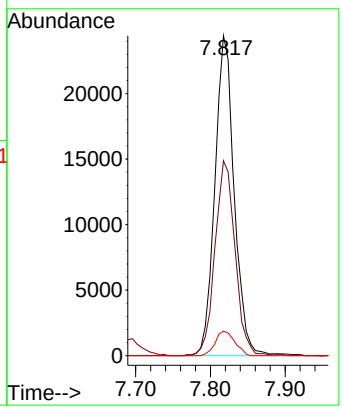


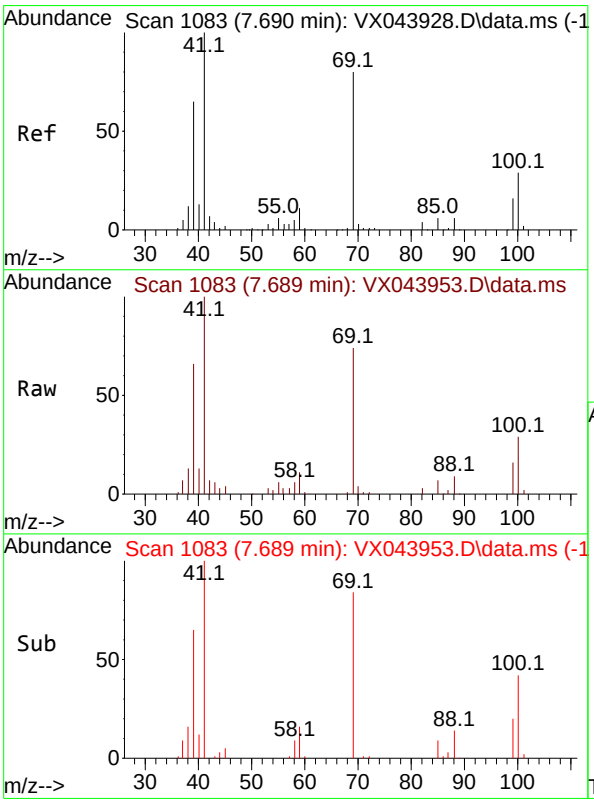
#47
Bromodichloromethane
Concen: 19.866 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 83 Resp: 43925

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.4	77.0
127	7.6	6.6	10.0

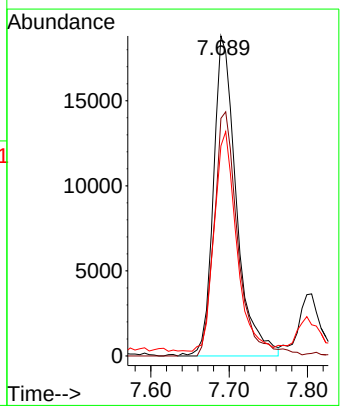


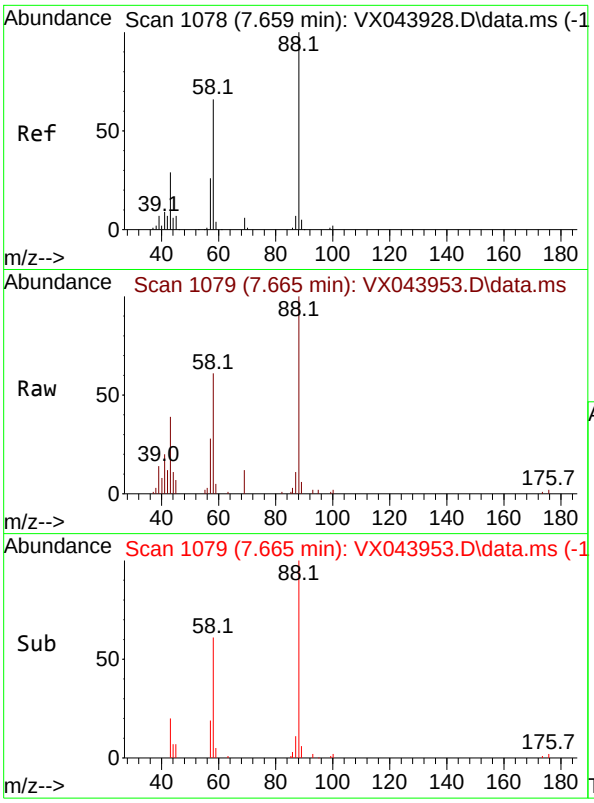


#48
Methyl methacrylate
Concen: 19.741 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 38226

Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.6	97.0
39	66.8	53.3	79.9



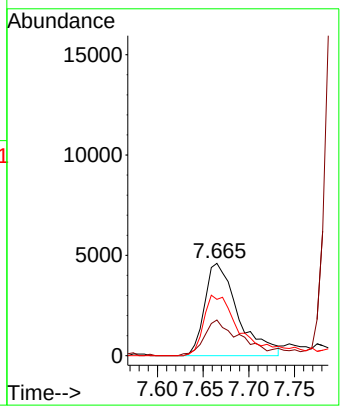


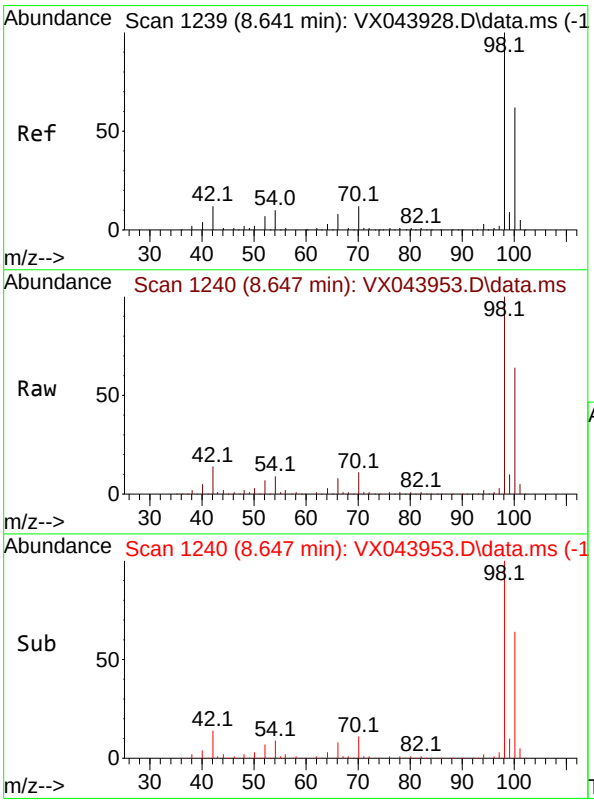
#49
1,4-Dioxane
Concen: 338.011 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 88 Resp: 11659

Ion	Ratio	Lower	Upper
88	100		
43	41.6	26.8	40.2#
58	74.4	45.4	68.2#

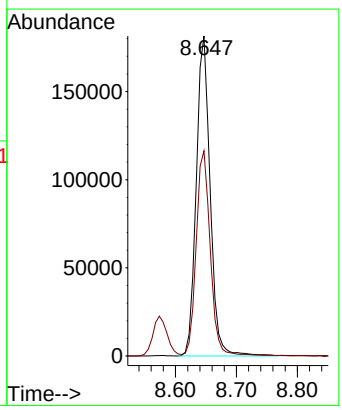


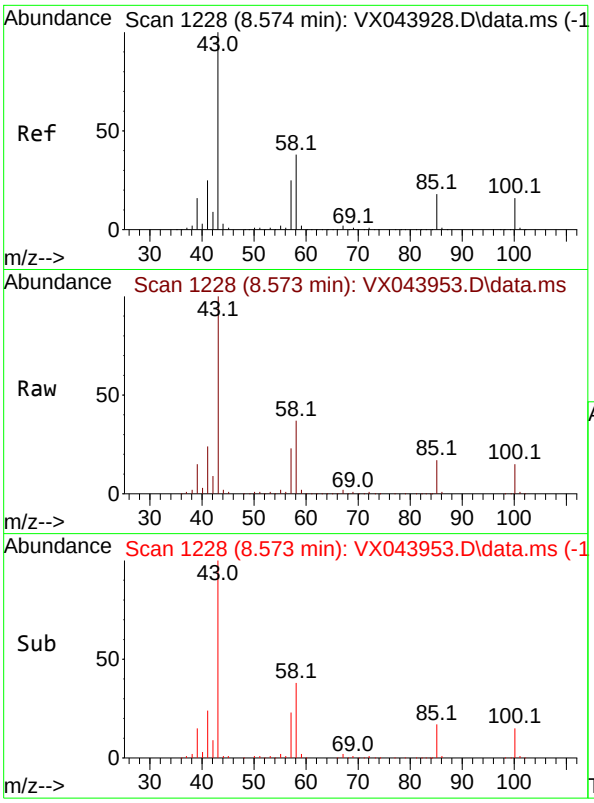


#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 98 Resp: 287688

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0



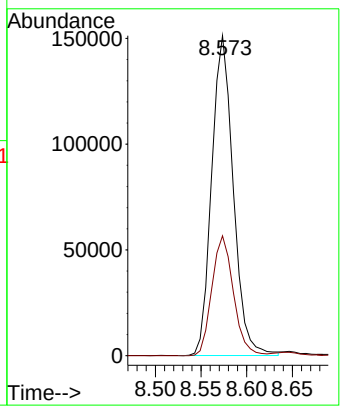


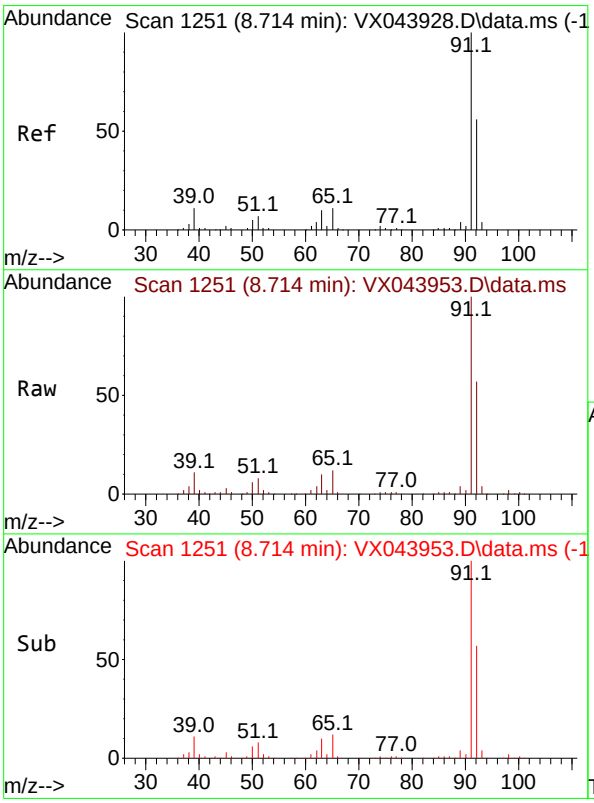
#51
4-Methyl-2-Pentanone
Concen: 100.883 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 43 Resp: 248440

Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.0	45.0

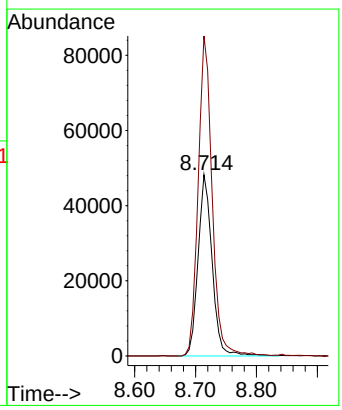


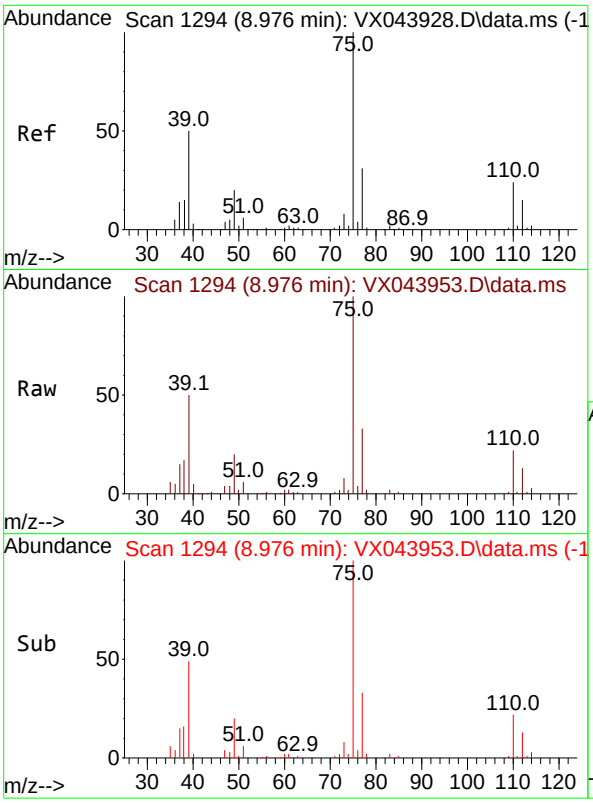


#52
Toluene
Concen: 20.351 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 92 Resp: 77505

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.7	209.5



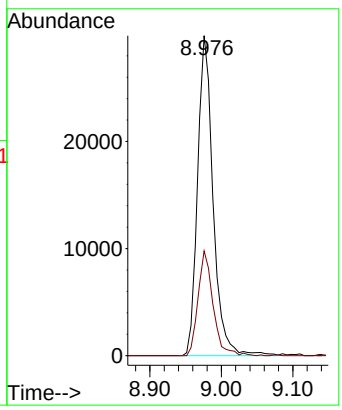


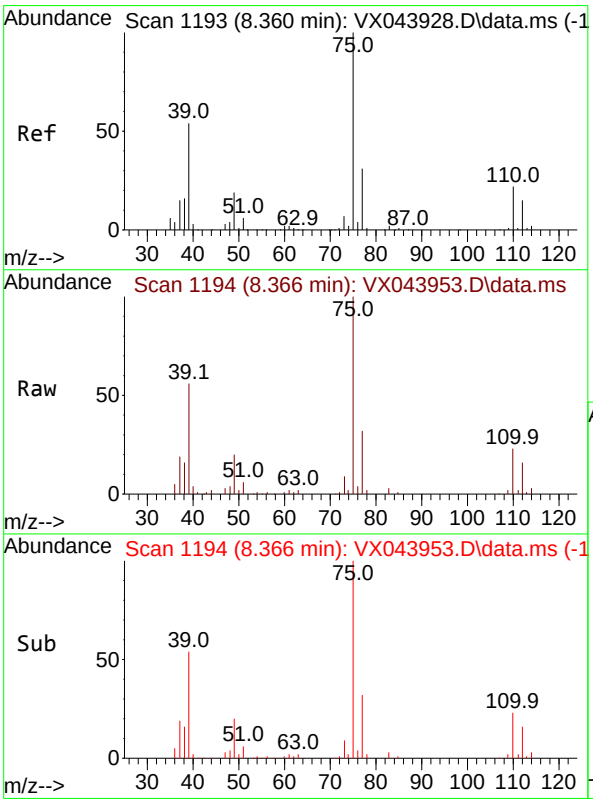
#53
t-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 75 Resp: 45015

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7

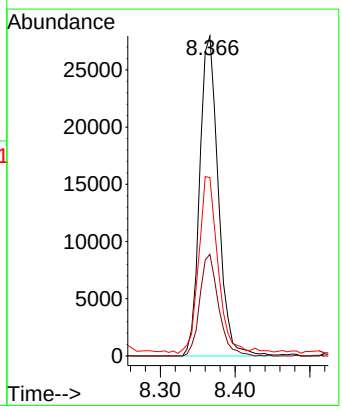


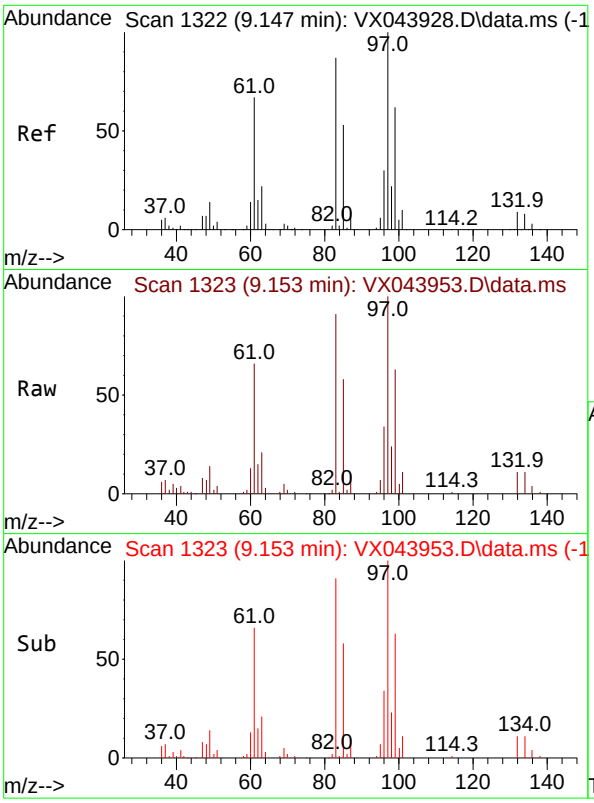


#54
cis-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 48377

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	54.9	43.1	64.7



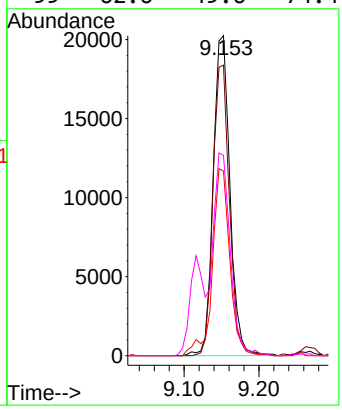


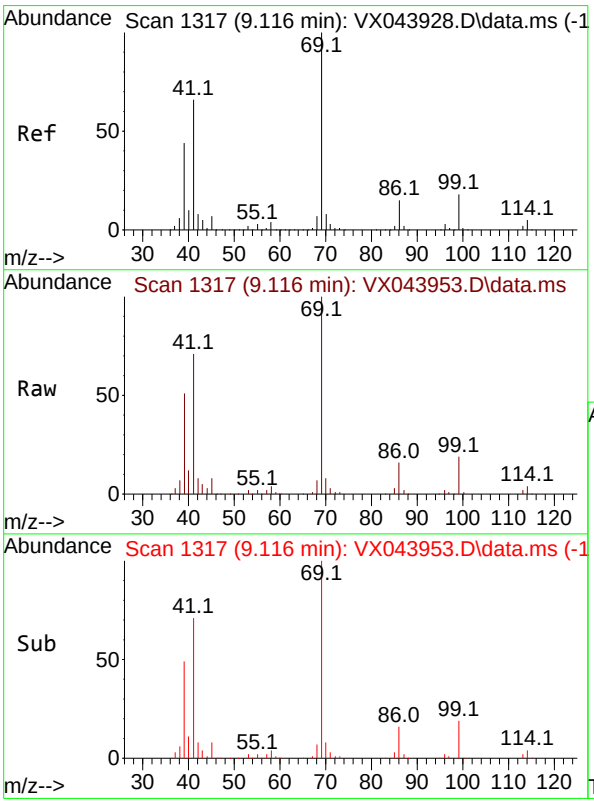
#55
1,1,2-Trichloroethane
Concen: 20.126 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 97 Resp: 31640

Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.0
85	57.7	42.3	63.5
99	62.6	49.6	74.4

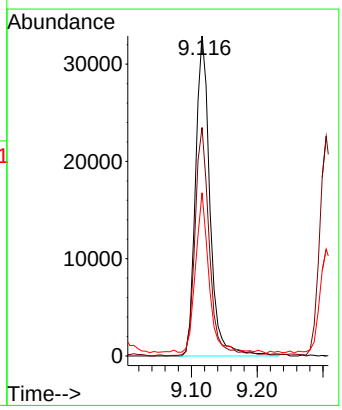


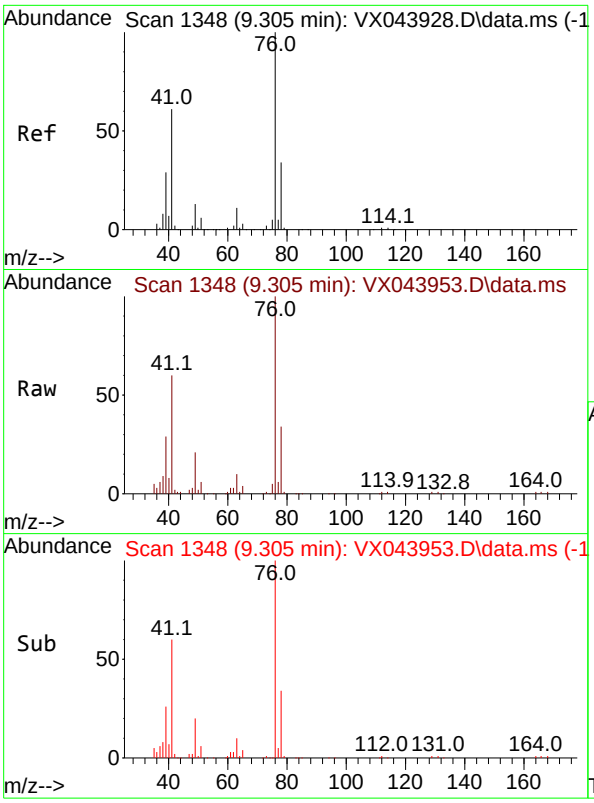


#56
Ethyl methacrylate
Concen: 20.380 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 69 Resp: 49905

Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.8	83.8
39	47.7	36.7	55.1



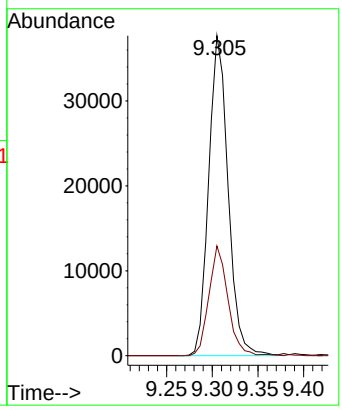


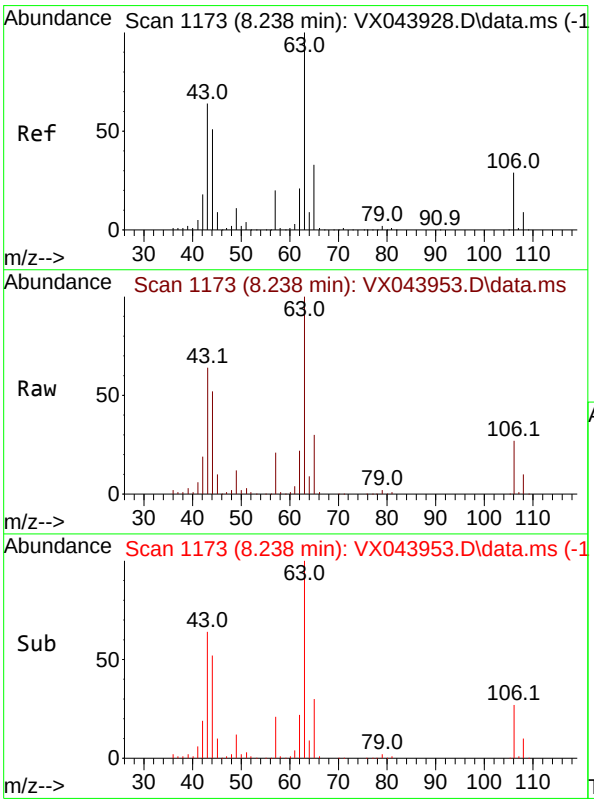
#57
1,3-Dichloropropane
Concen: 20.993 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 76 Resp: 55597

Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.0	39.0

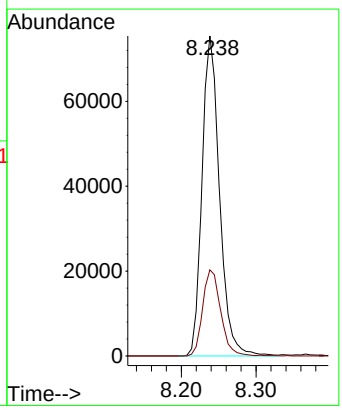


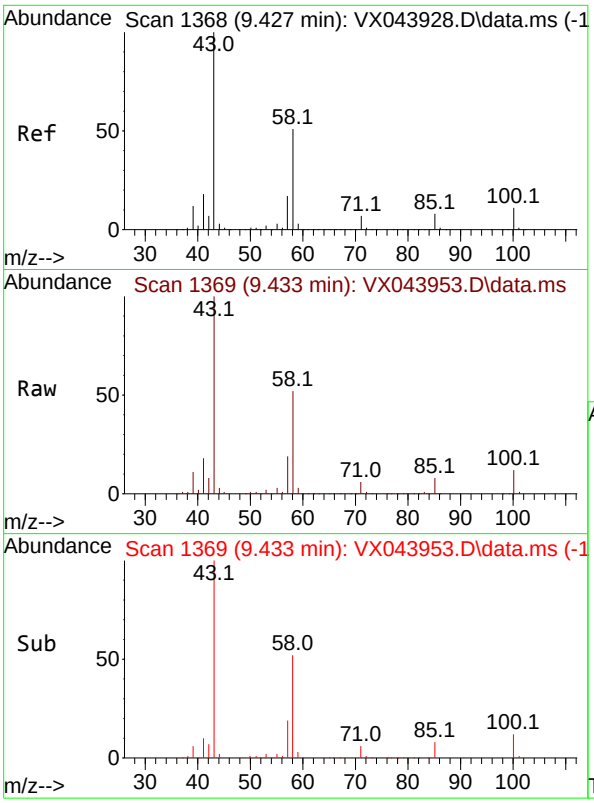


#58
2-Chloroethyl Vinyl ether
Concen: 90.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 122520

Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6



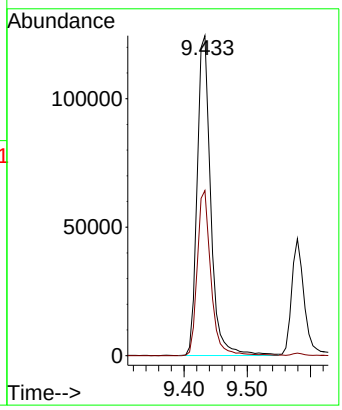


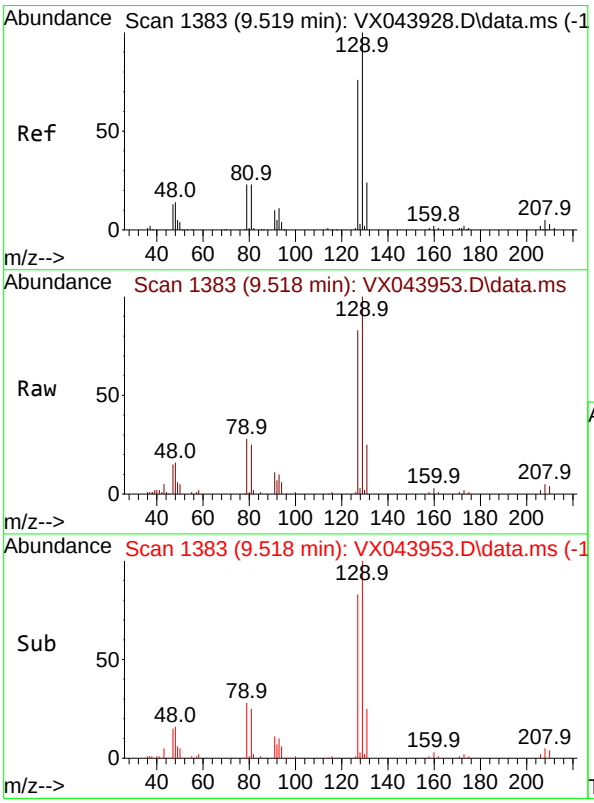
#59
2-Hexanone
Concen: 100.633 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 43 Resp: 186272

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

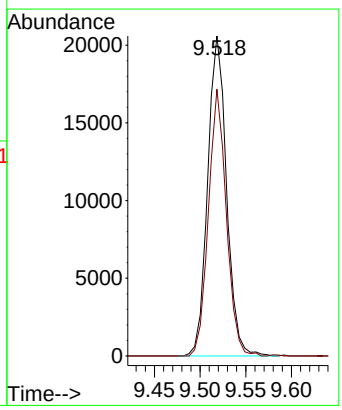


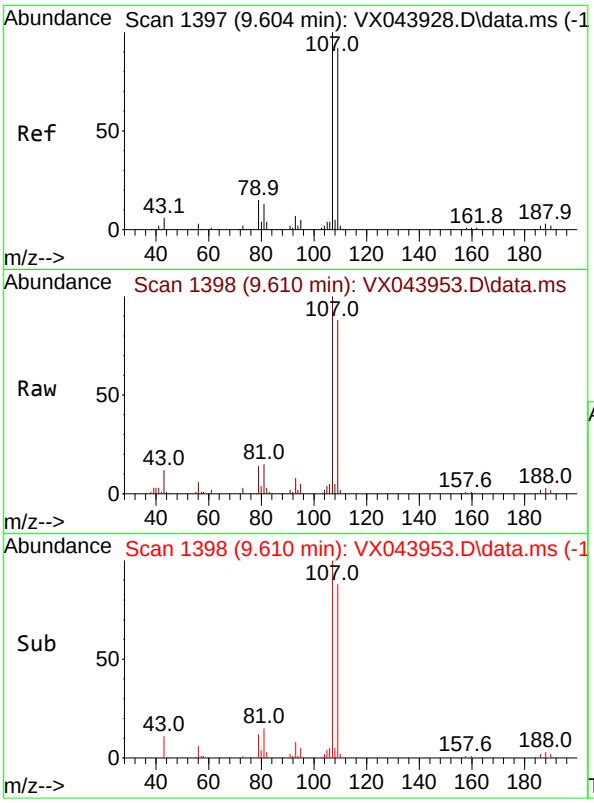


#60
Dibromochloromethane
Concen: 18.733 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:129 Resp: 29549

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.2	114.6



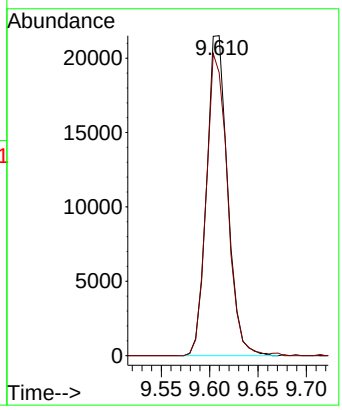


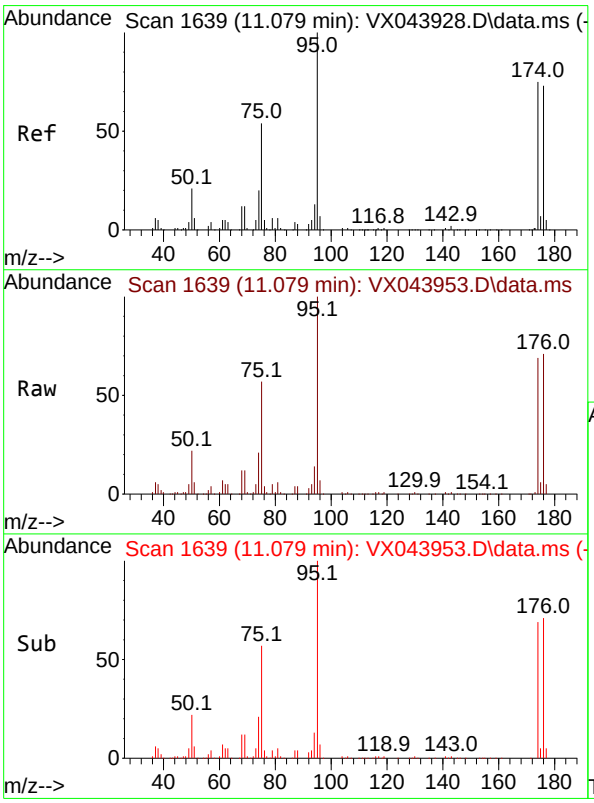
#61
1,2-Dibromoethane
Concen: 20.465 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:107 Resp: 32532

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.2	112.8

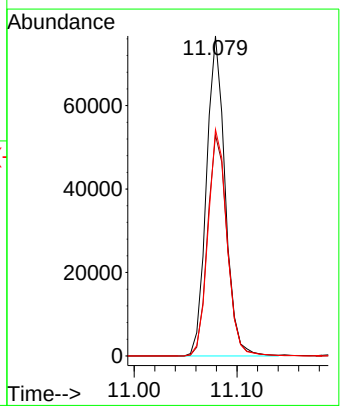


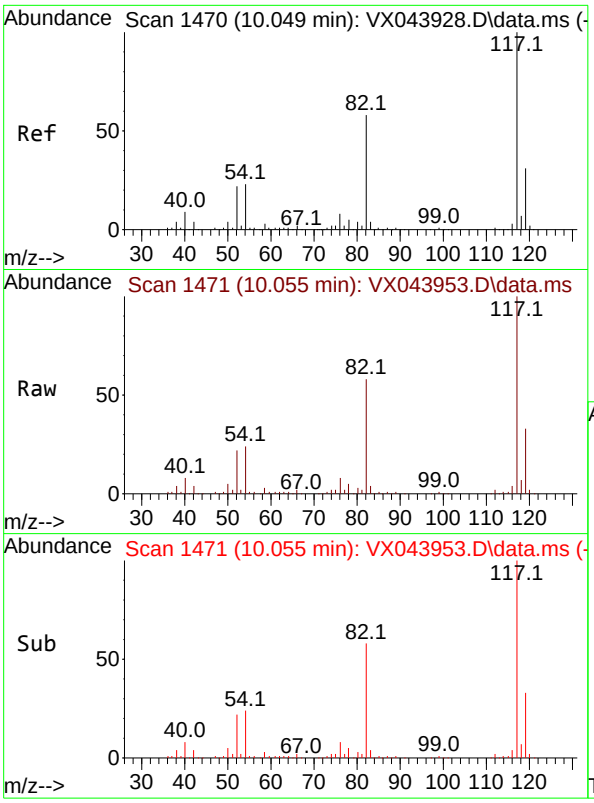


#62
4-Bromofluorobenzene
Concen: 50.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 95 Resp: 96910

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	150.4
176	72.2	0.0	146.0



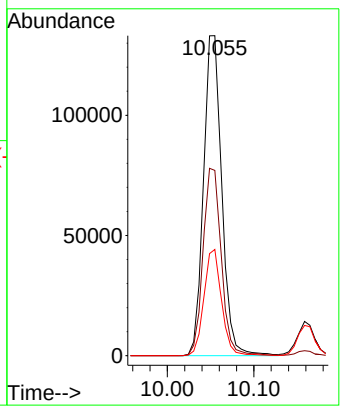


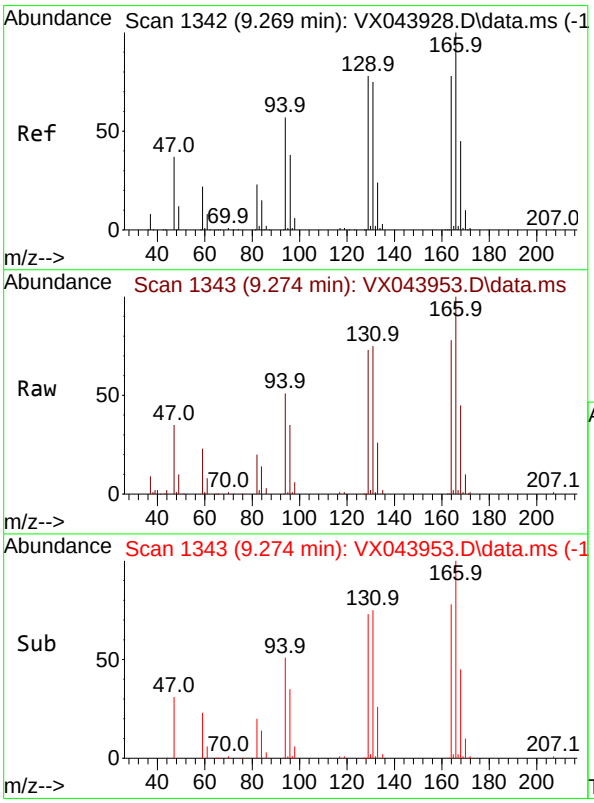
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:117 Resp: 195535

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	33.2	24.6	37.0

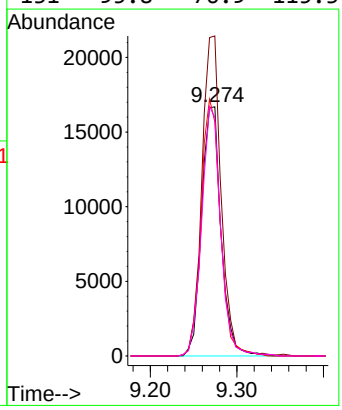


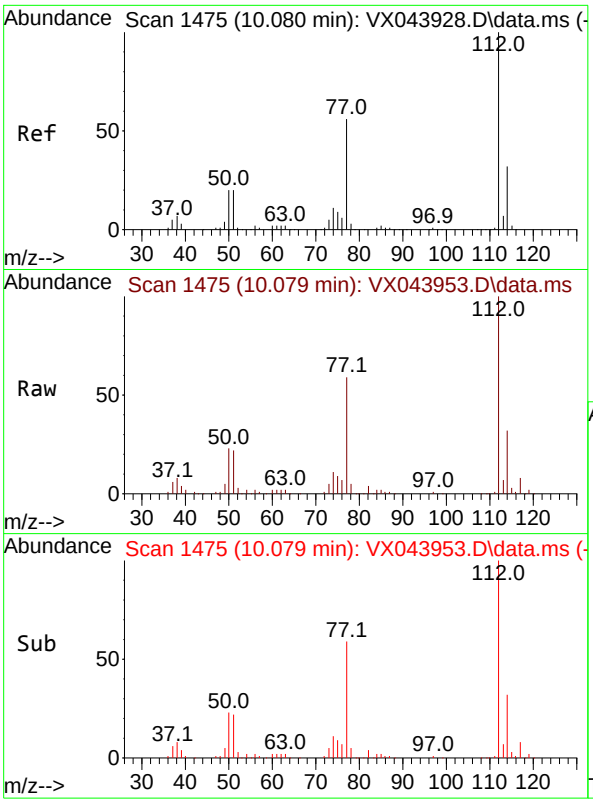


#64
Tetrachloroethene
Concen: 20.270 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:164 Resp: 26135

Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.1	153.1
129	94.0	79.6	119.4
131	95.8	76.9	115.3



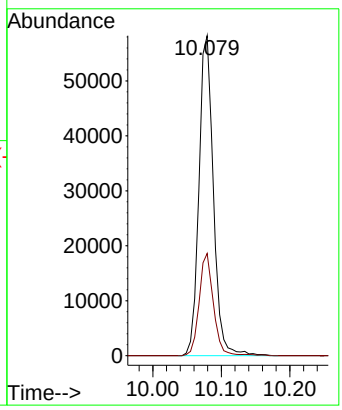


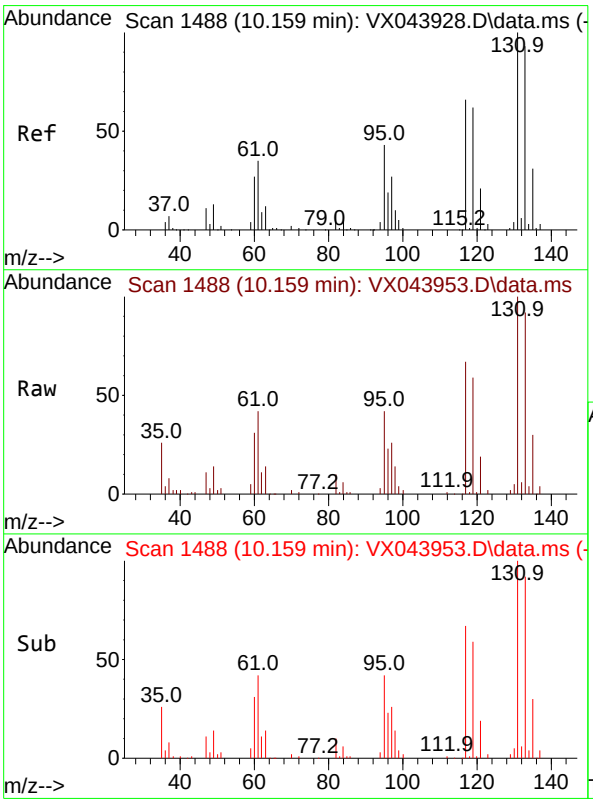
#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:112 Resp: 85495

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0

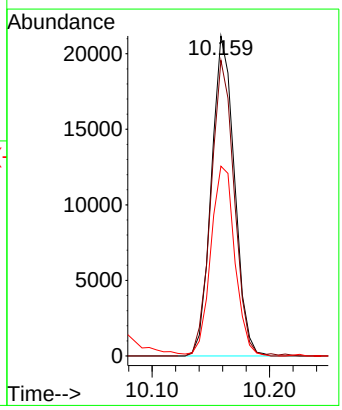


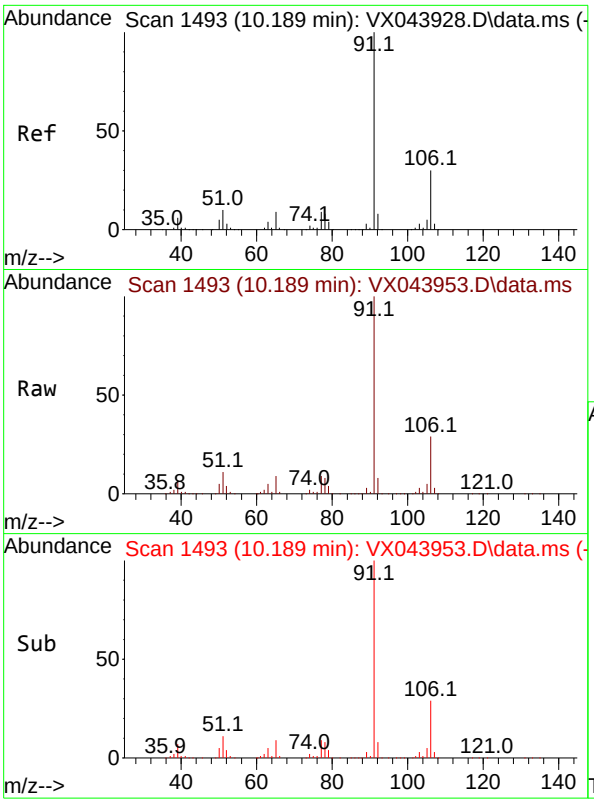


#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:131 Resp: 28882

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.2	144.6
119	61.7	31.5	94.5



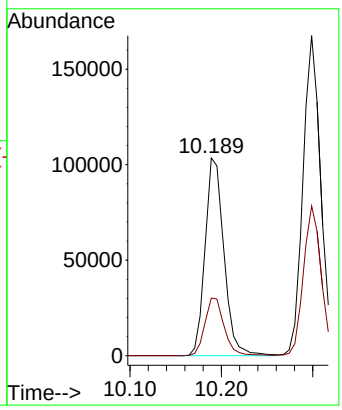


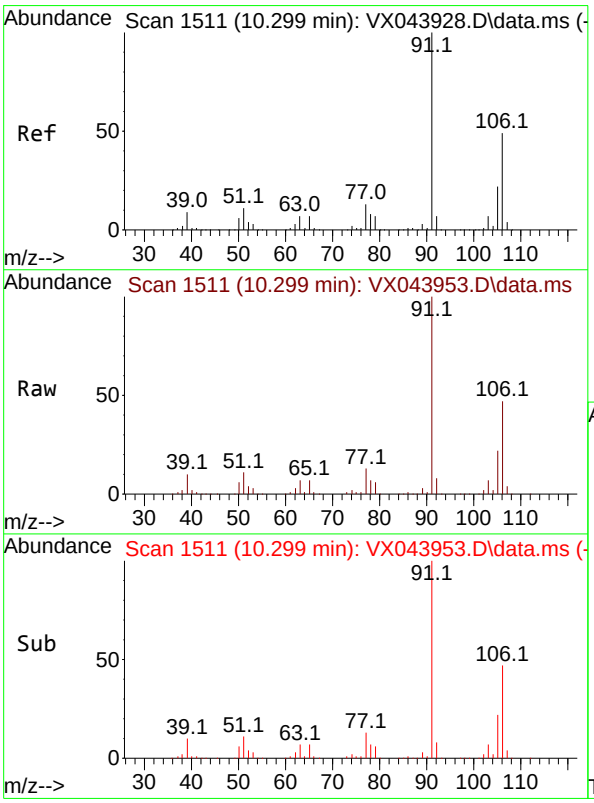
#67
Ethyl Benzene
Concen: 20.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 91 Resp: 148481

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4

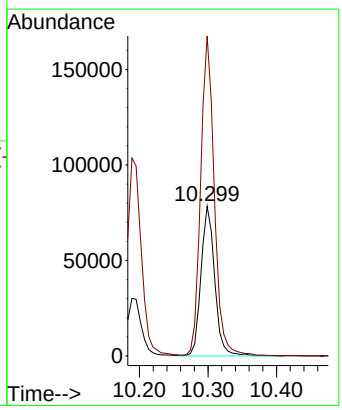


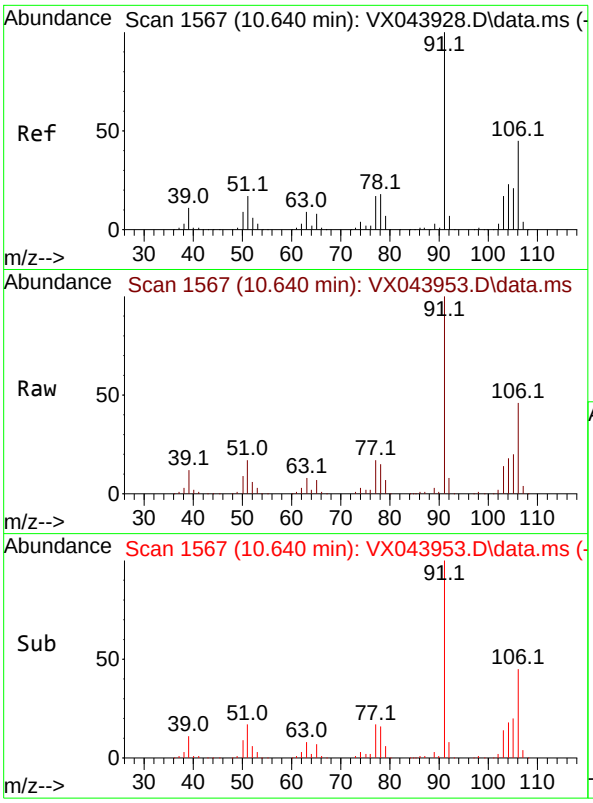


#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 109390

Ion	Ratio	Lower	Upper
106	100		
91	212.7	168.1	252.1



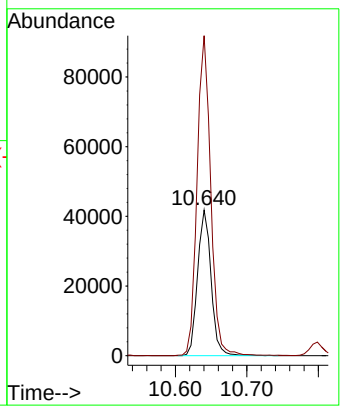


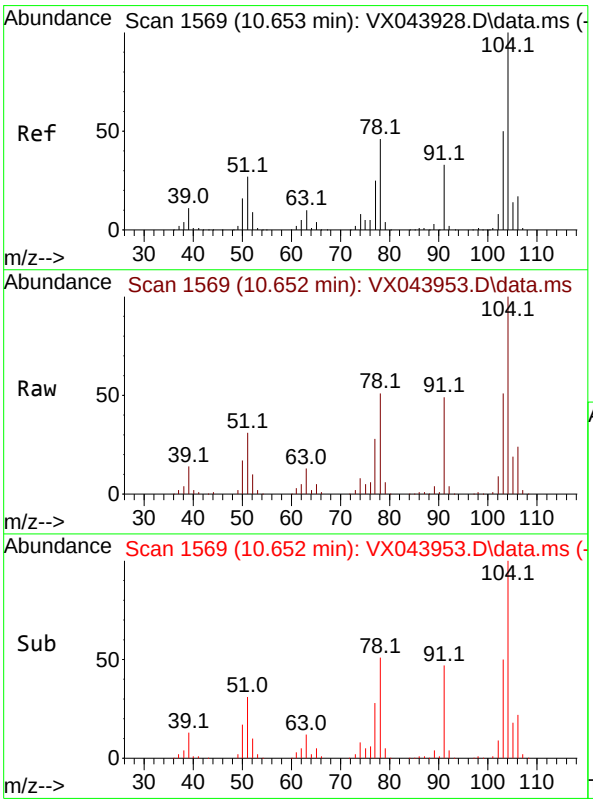
#69
o-Xylene
Concen: 20.665 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:106 Resp: 54754

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

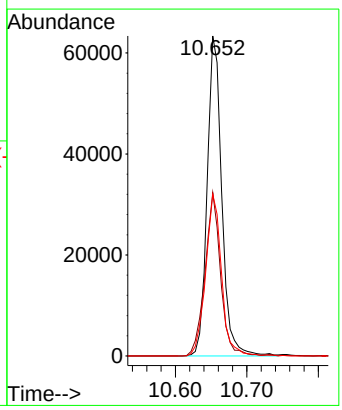


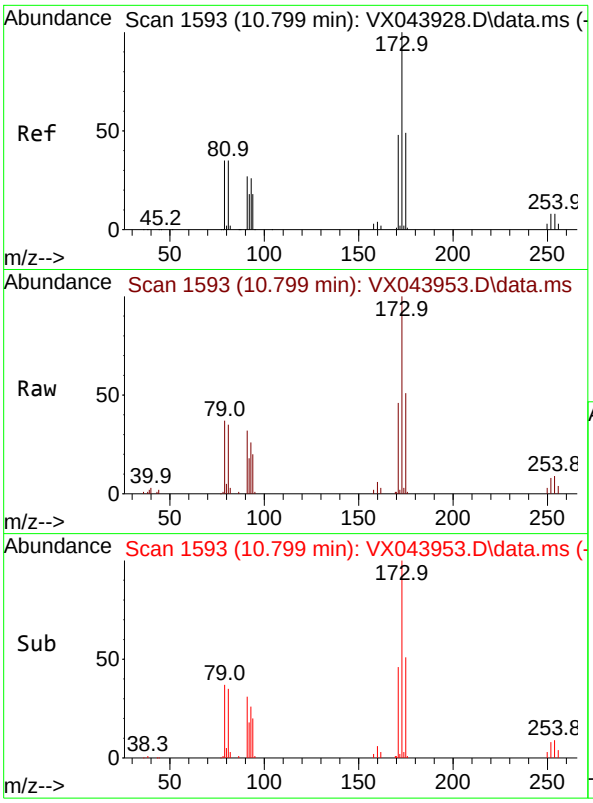


#70
Styrene
Concen: 20.579 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:104 Resp: 90186

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.2	63.2
103	54.7	44.7	67.1



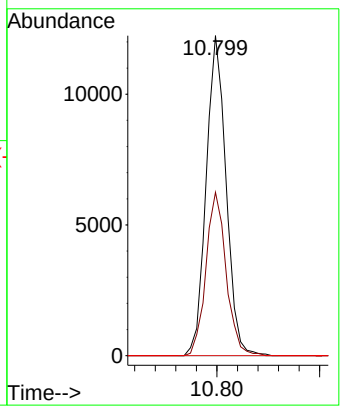


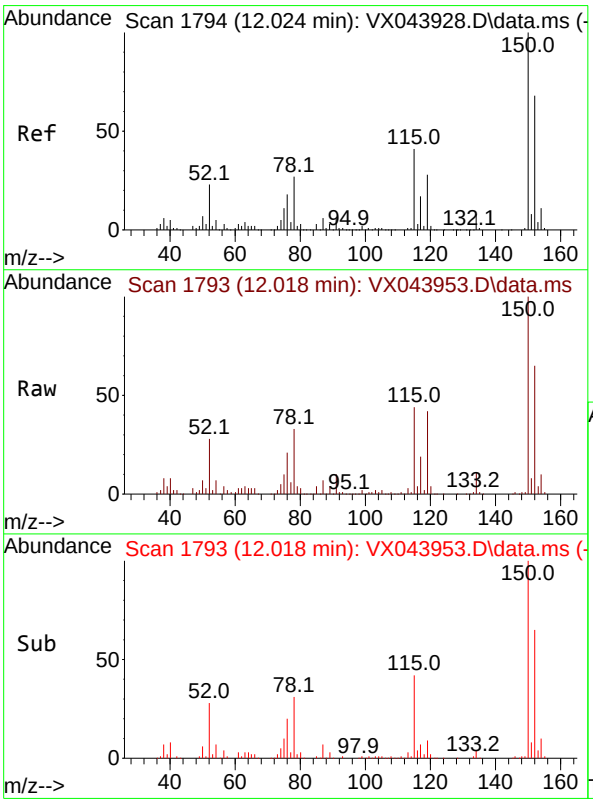
#71
Bromoform
Concen: 16.936 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:173 Resp: 16436

Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.1	72.2
254	0.0	0.0	0.0

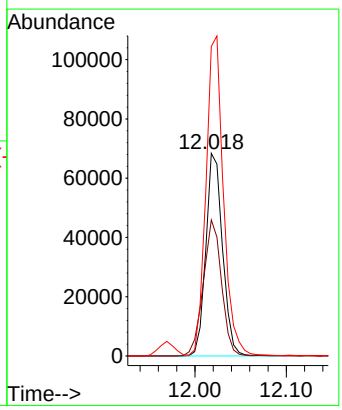


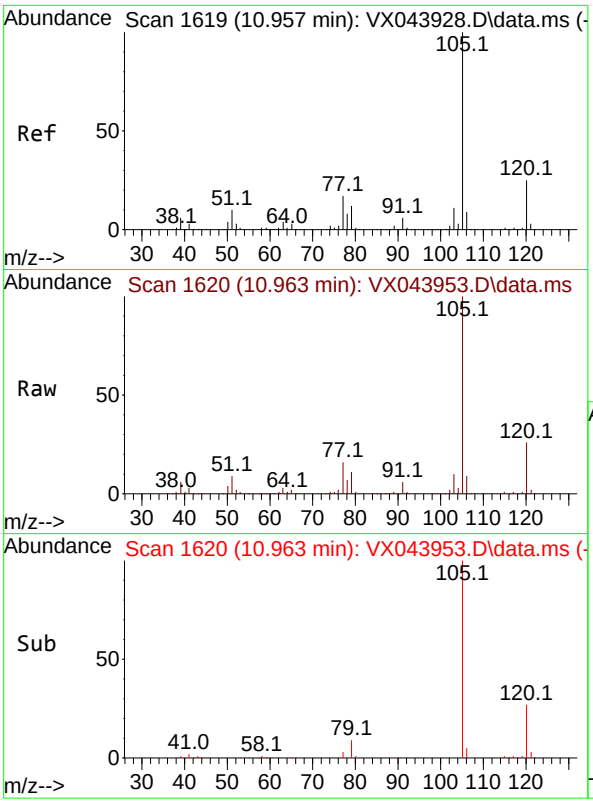


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:152 Resp: 86659

Ion	Ratio	Lower	Upper
152	100		
115	73.0	45.4	136.2
150	164.6	0.0	353.0



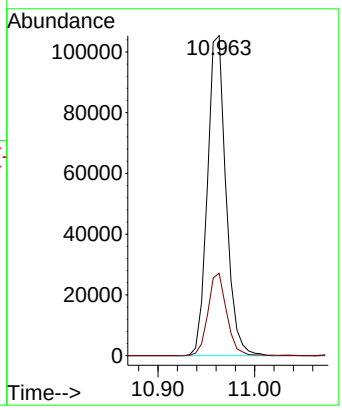


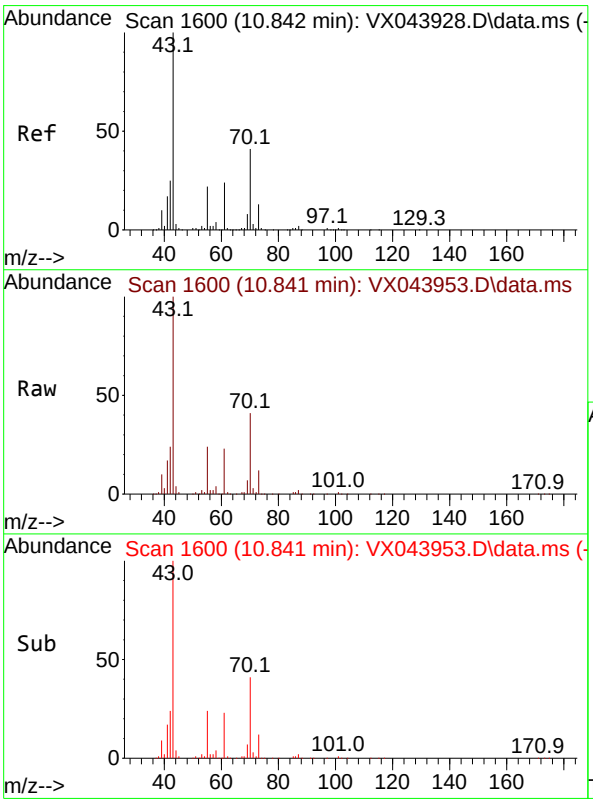
#73
Isopropylbenzene
Concen: 21.084 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:105 Resp: 140447

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

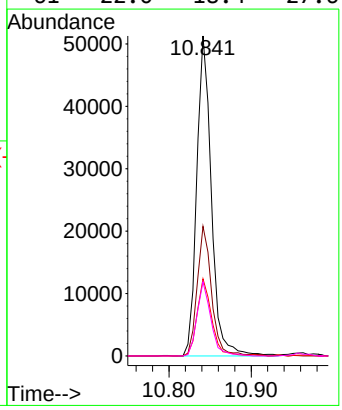


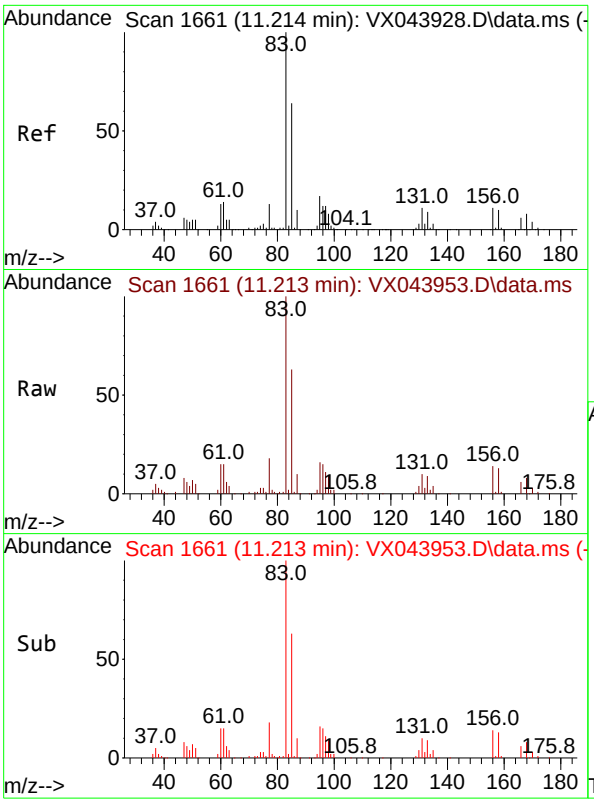


#74
N-amyl acetate
Concen: 20.600 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.2
55	23.8	18.1	27.1
61	22.0	18.4	27.6



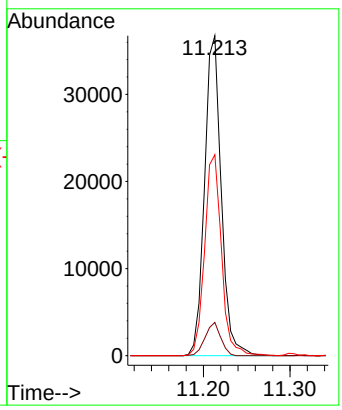


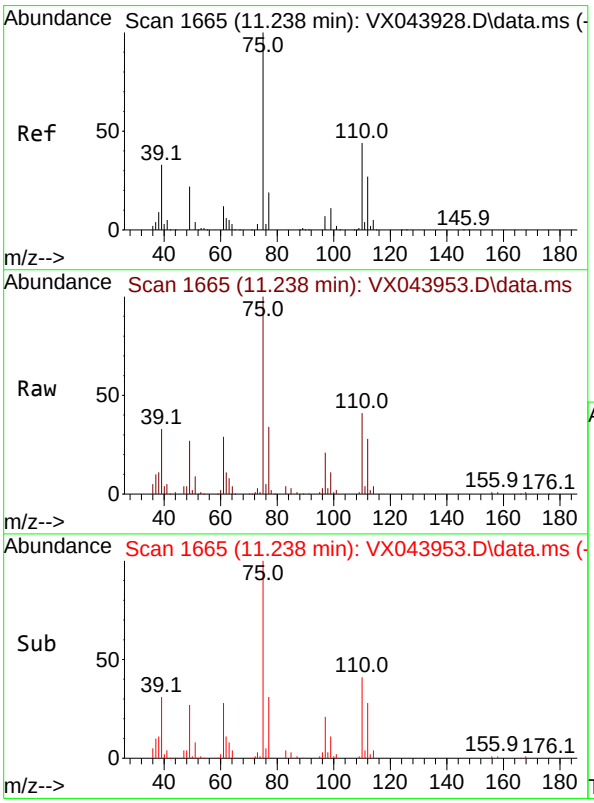
#75
1,1,2,2-Tetrachloroethane
Concen: 21.561 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 83 Resp: 49179

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.4	32.2	96.6

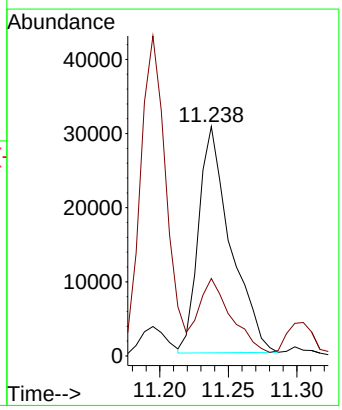


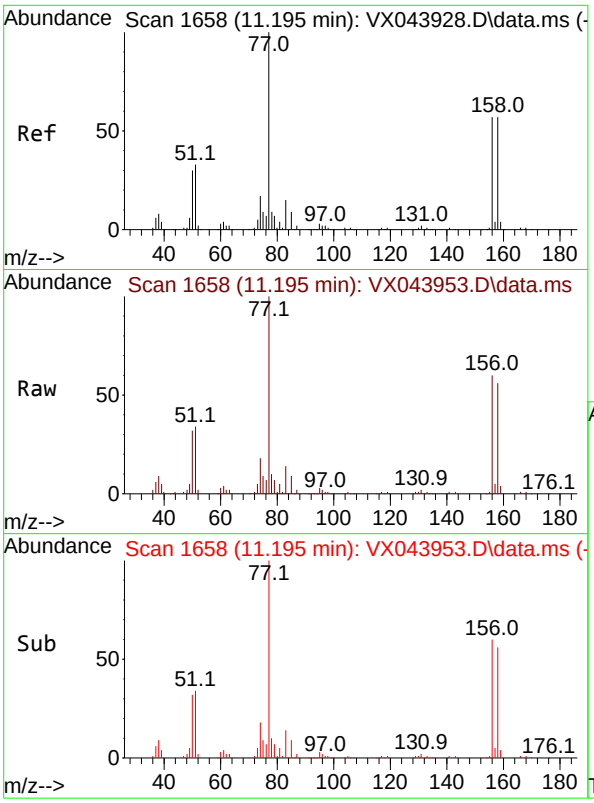


#76
1,2,3-Trichloropropane
Concen: 26.139 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 49676

Ion	Ratio	Lower	Upper
75	100		
77	35.7	21.8	65.3



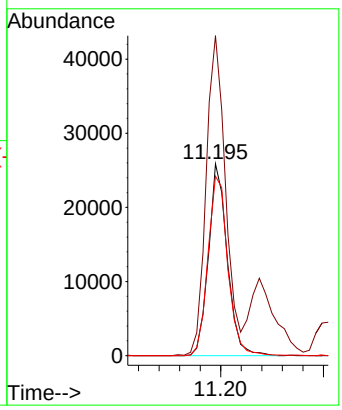


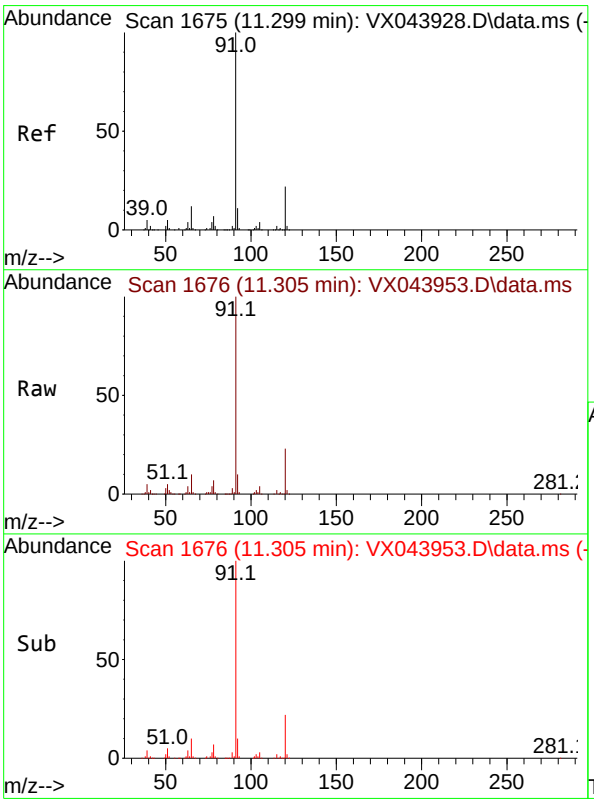
#77
Bromobenzene
Concen: 20.723 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:156 Resp: 32930

Ion	Ratio	Lower	Upper
156	100		
77	171.5	83.4	250.1
158	99.3	47.6	142.8

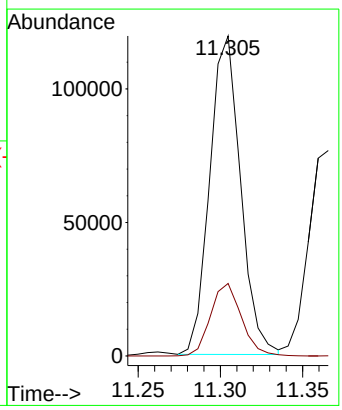


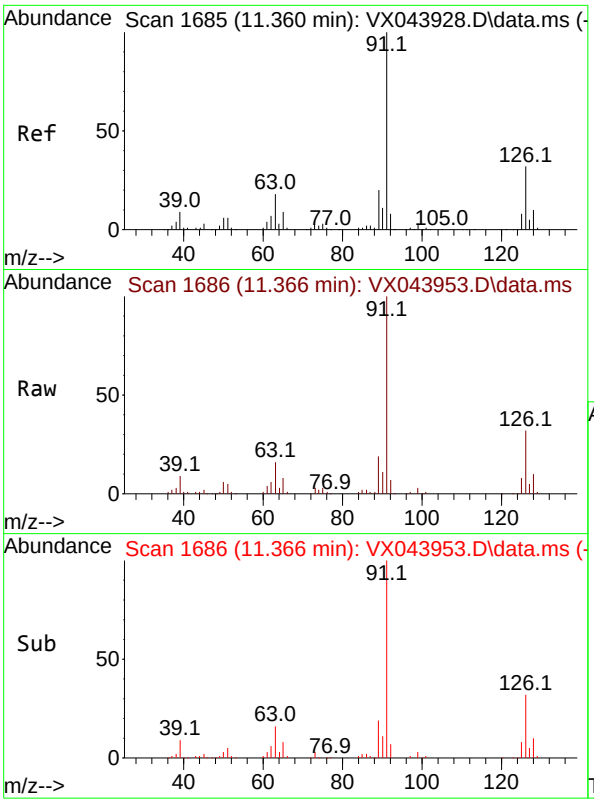


#78
n-propylbenzene
Concen: 20.912 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 155584

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4



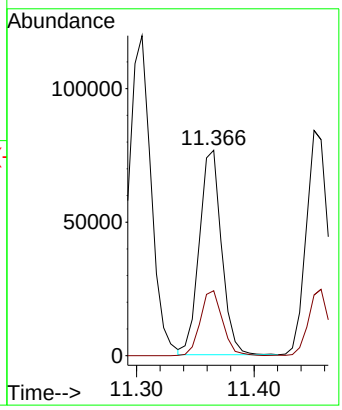


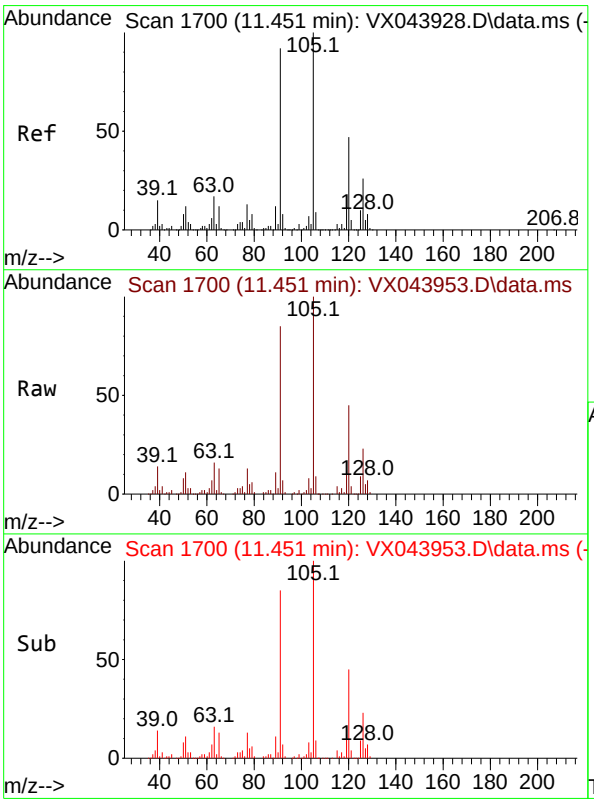
#79
2-Chlorotoluene
Concen: 21.442 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 91 Resp: 100875

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.8

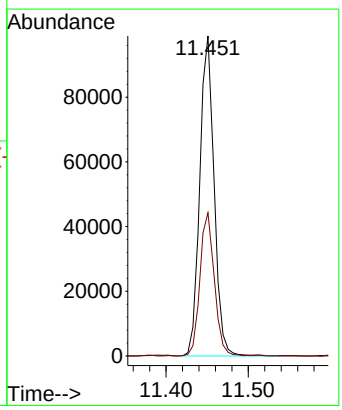


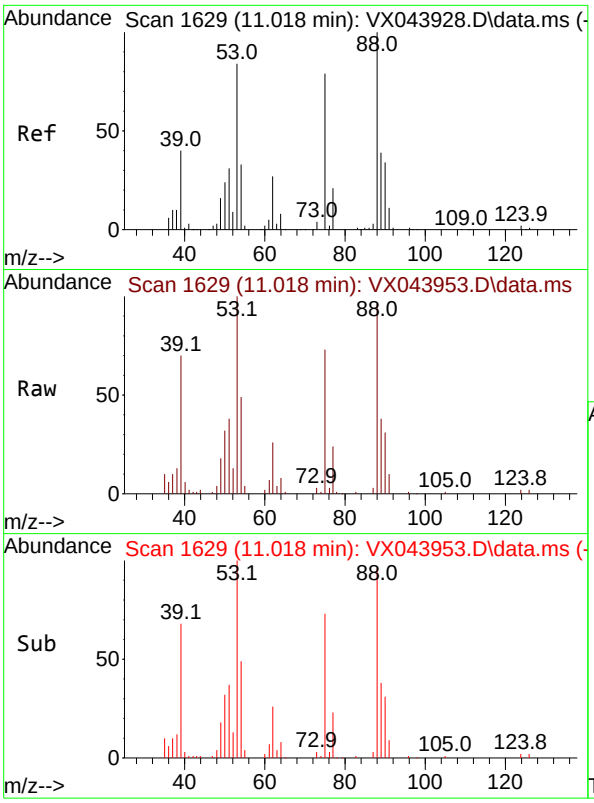


#80
1,3,5-Trimethylbenzene
Concen: 21.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 119899

Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.3	69.8



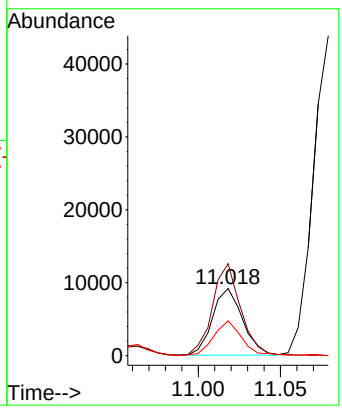


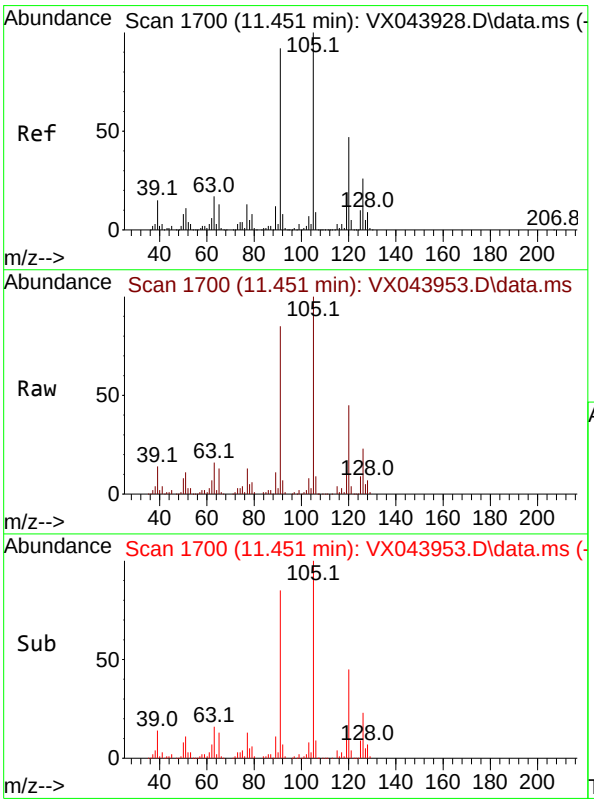
#81
trans-1,4-Dichloro-2-butene
Concen: 16.695 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 75 Resp: 11627

Ion	Ratio	Lower	Upper
75	100		
53	131.0	86.7	130.1#
89	48.8	38.2	57.2

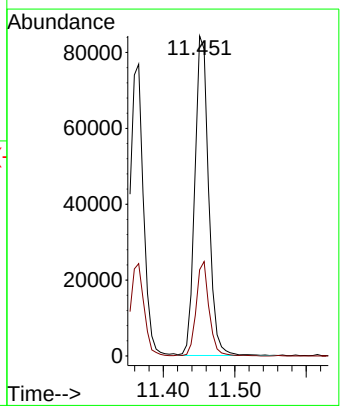


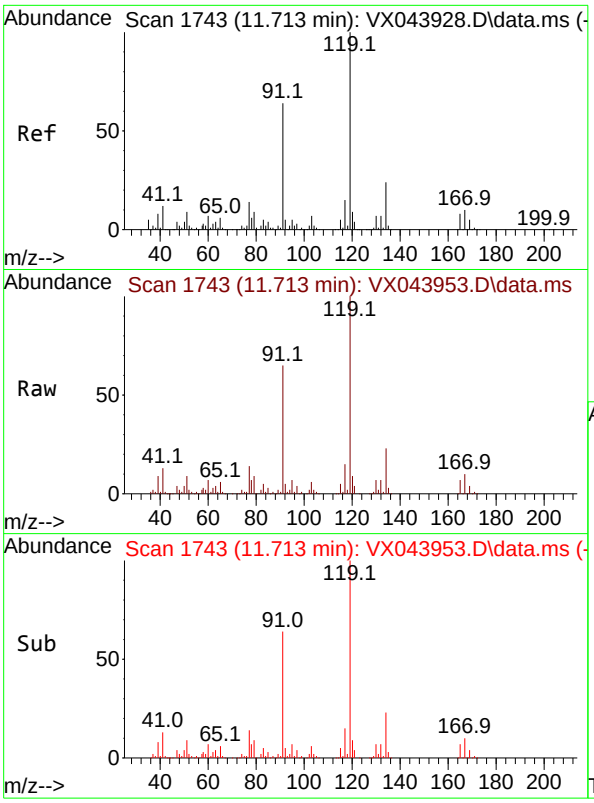


#82
4-Chlorotoluene
Concen: 21.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 112420

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.3	42.9



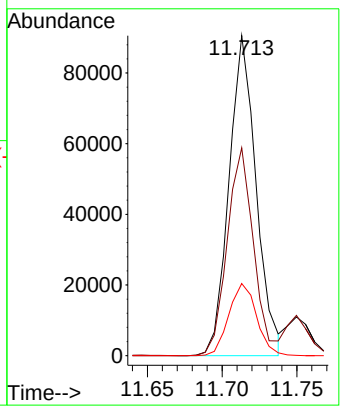


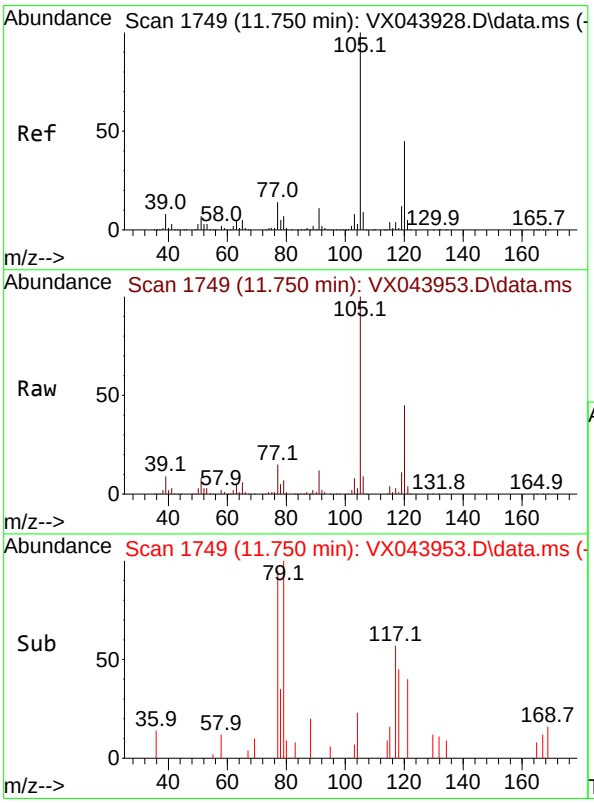
#83
tert-Butylbenzene
Concen: 21.028 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:119 Resp: 114224

Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.0	93.0
134	23.1	11.6	34.8

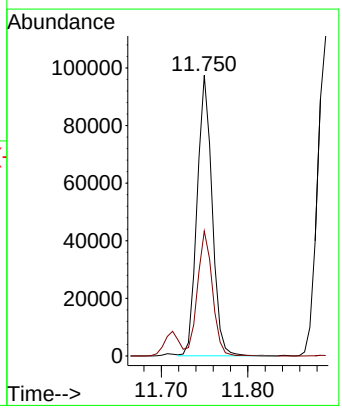


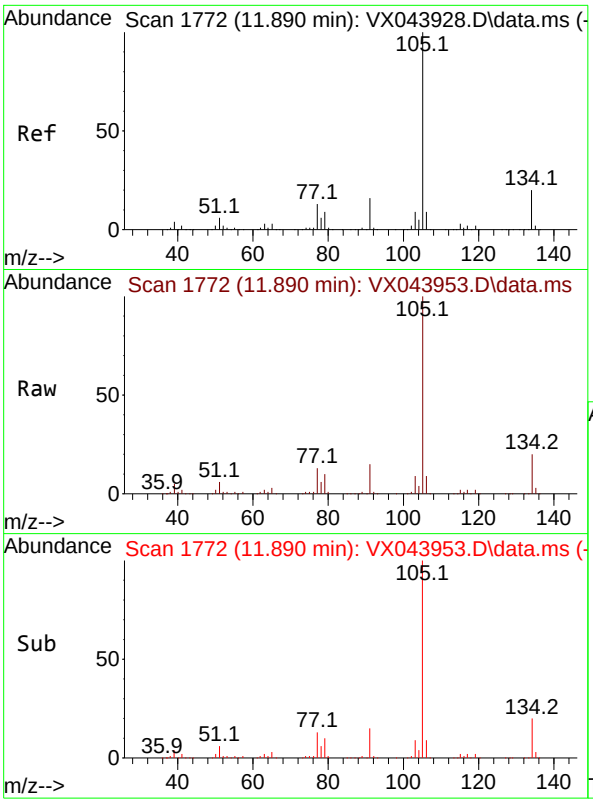


#84
1,2,4-Trimethylbenzene
Concen: 21.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 116894

Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.9	65.7



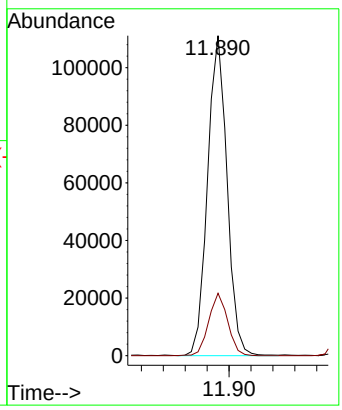


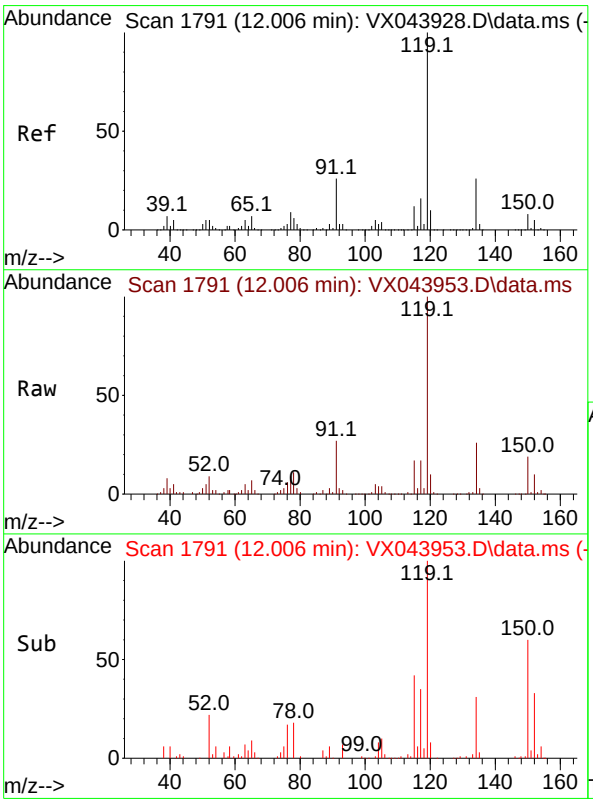
#85
sec-Butylbenzene
Concen: 20.577 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:105 Resp: 136947

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1

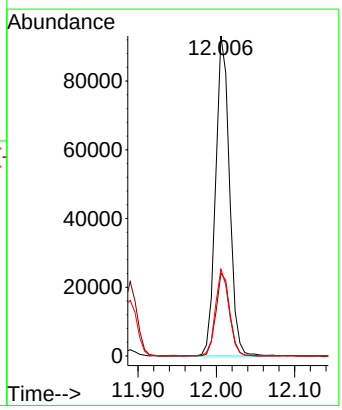


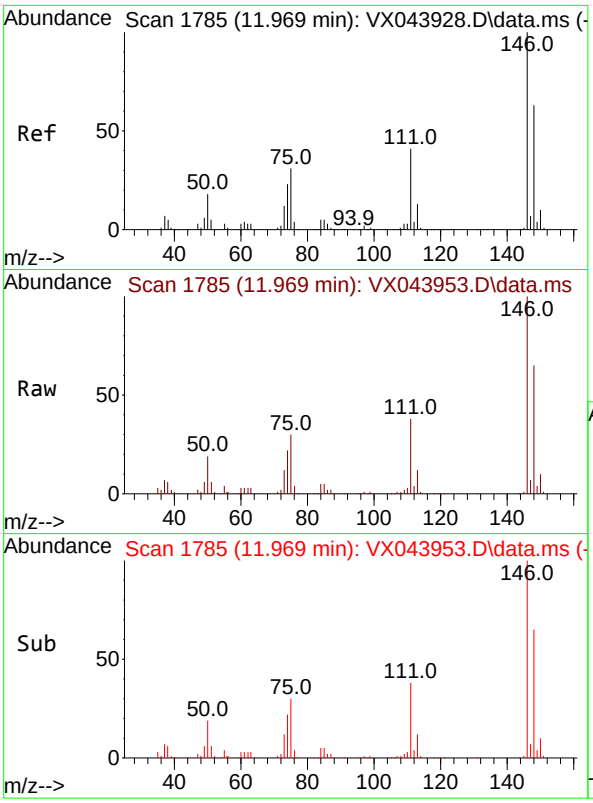


#86
p-Isopropyltoluene
Concen: 21.255 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114908

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	26.6	13.0	38.9



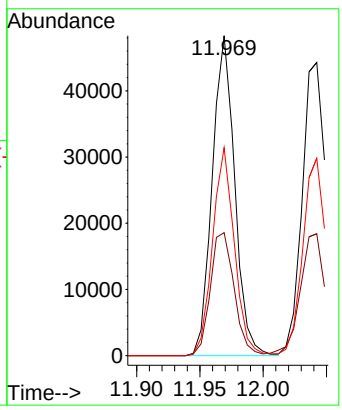


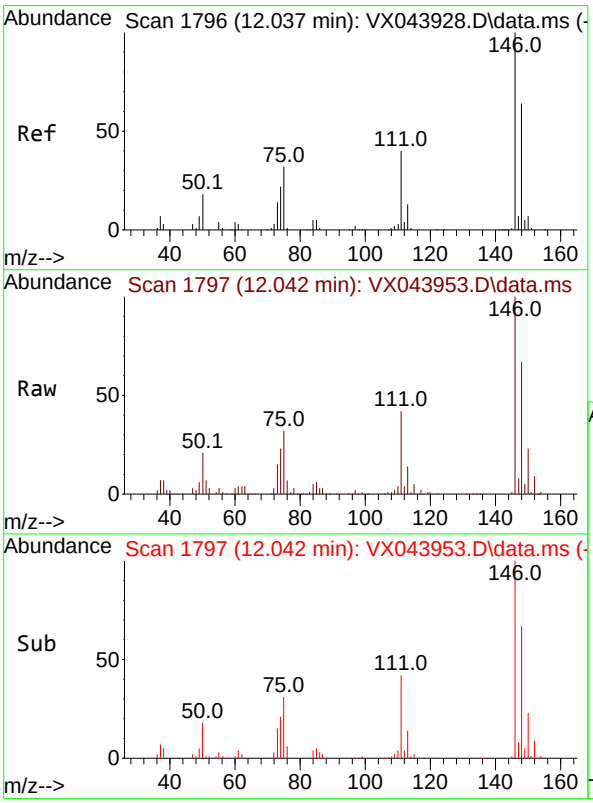
#87
1,3-Dichlorobenzene
Concen: 20.602 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:146 Resp: 59626

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.3
148	63.1	31.7	95.1

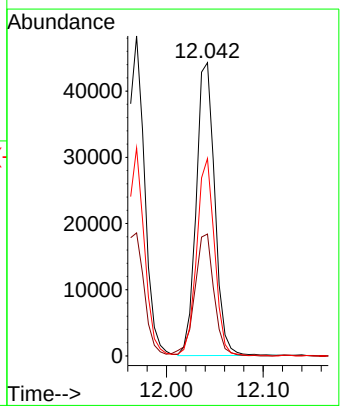


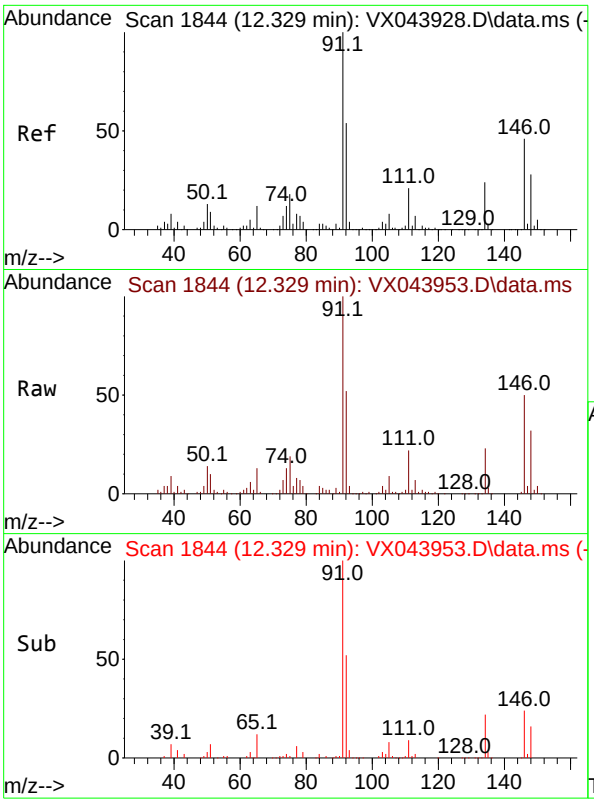


#88
1,4-Dichlorobenzene
Concen: 19.988 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 58980

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.1	60.3
148	65.5	30.9	92.8



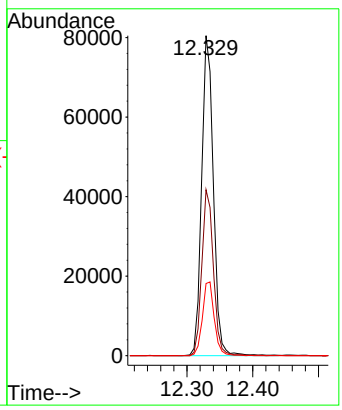


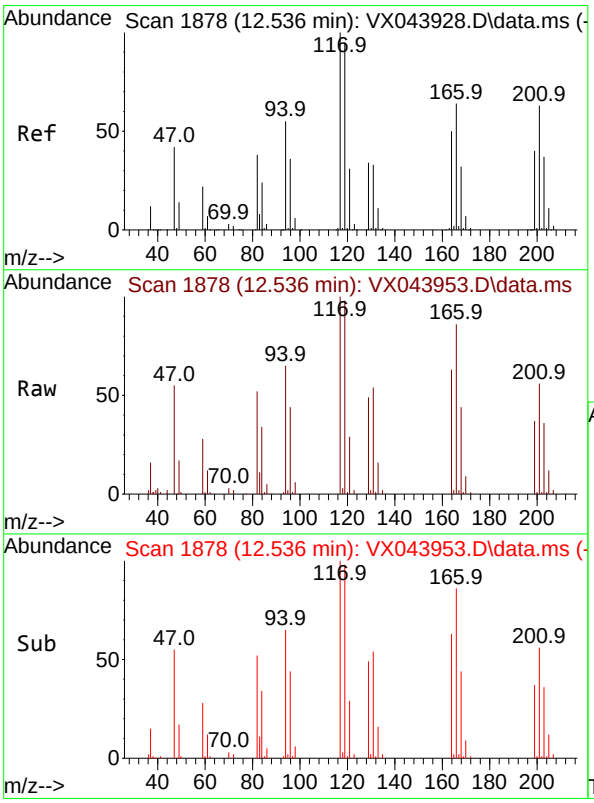
#89
n-Butylbenzene
Concen: 20.917 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion: 91 Resp: 99700

Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.6	79.8
134	23.3	12.4	37.2

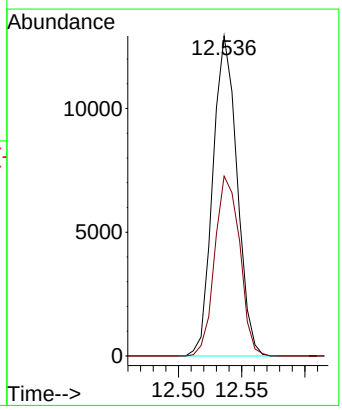


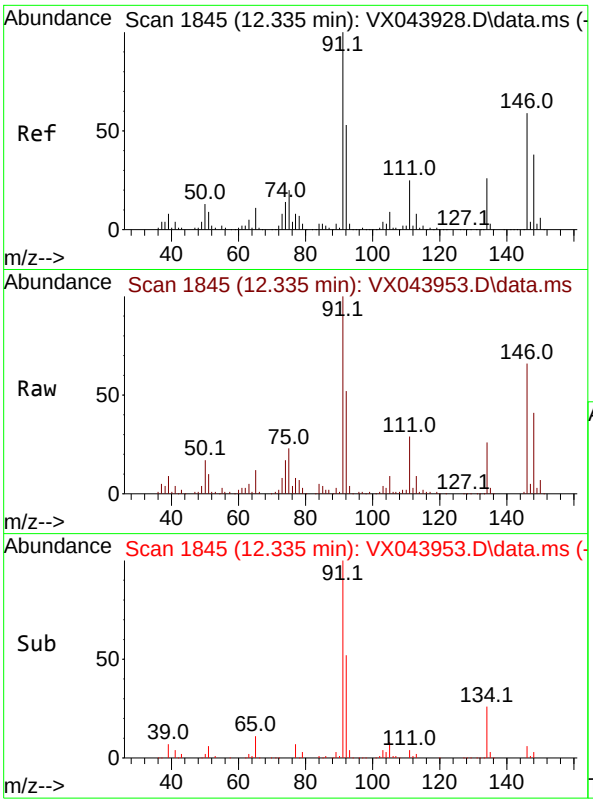


#90
Hexachloroethane
Concen: 18.732 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 17220

Ion	Ratio	Lower	Upper
117	100		
201	57.9	32.4	97.0



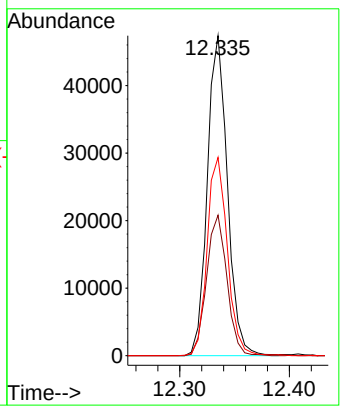


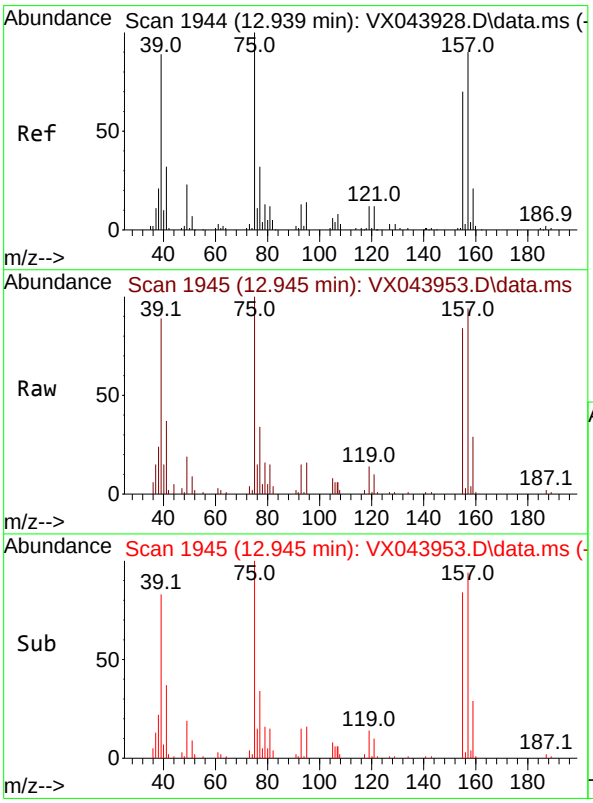
#91
1,2-Dichlorobenzene
Concen: 20.654 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:146 Resp: 60326

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.5	64.5
148	62.5	31.9	95.5

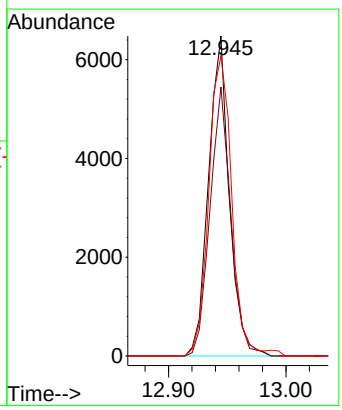


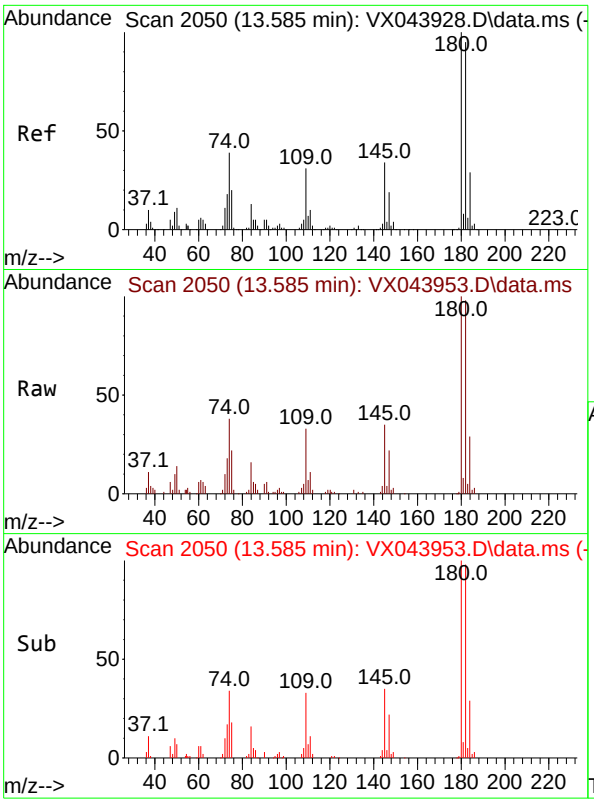


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.368 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 7938

Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.1	120.2
157	103.8	49.6	149.0



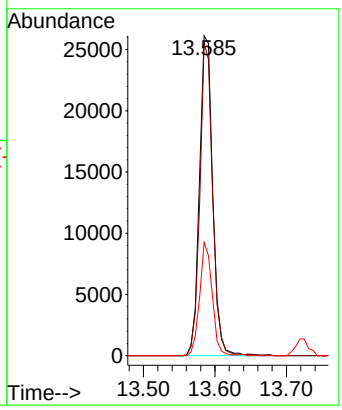


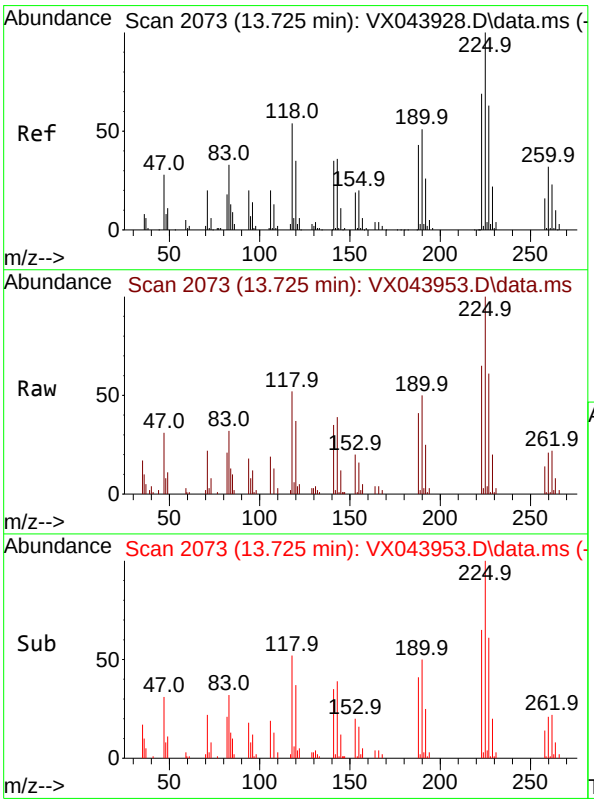
#93
1,2,4-Trichlorobenzene
Concen: 19.521 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:180 Resp: 33614

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.0	144.2
145	33.6	16.8	50.4

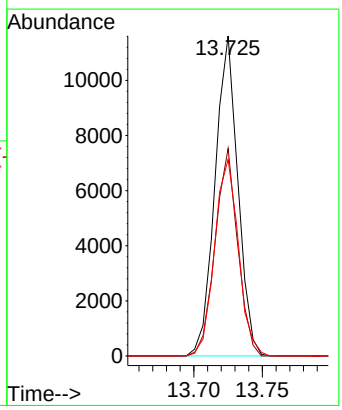


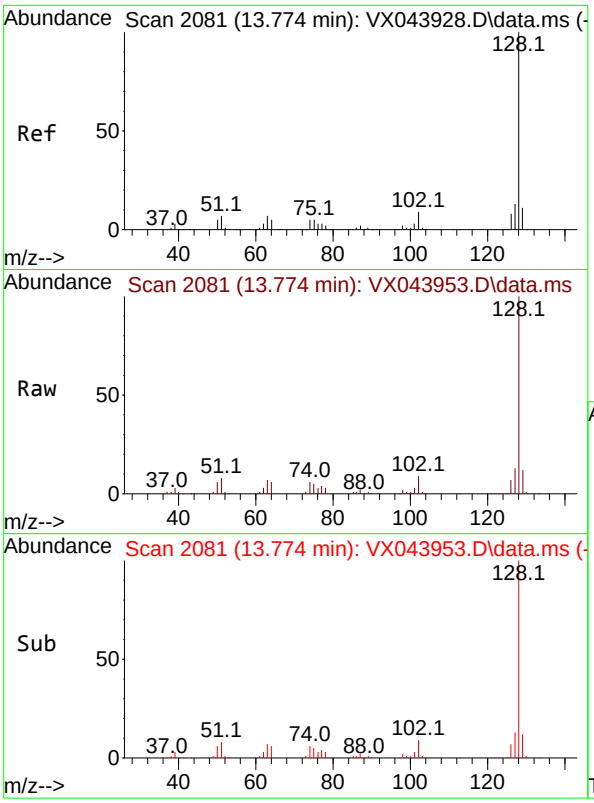


#94
Hexachlorobutadiene
Concen: 19.782 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:225 Resp: 13463

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.9	98.6
227	64.2	31.6	94.8



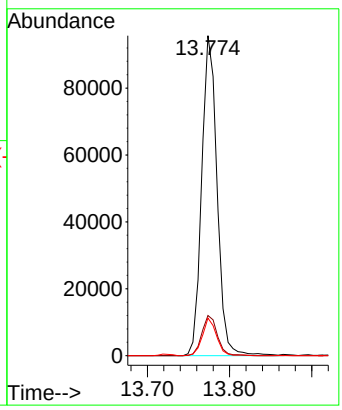


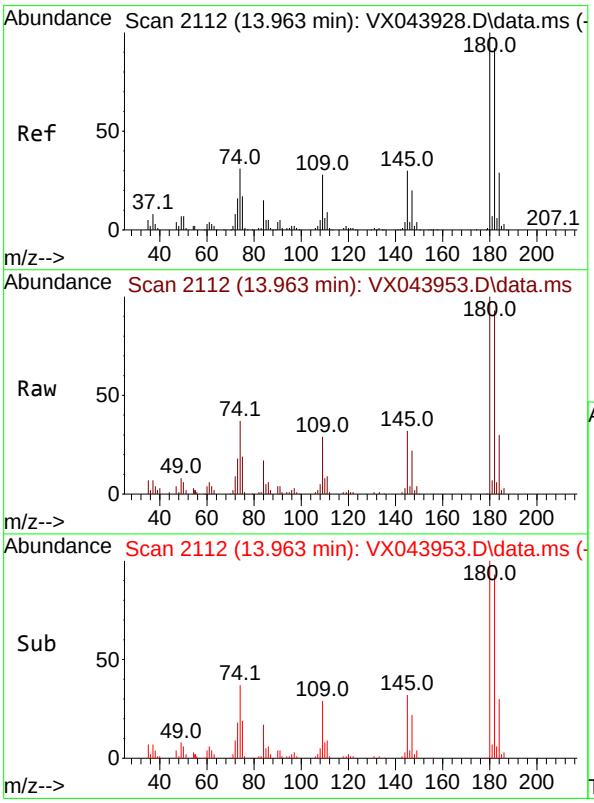
#95
Naphthalene
Concen: 20.050 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBS01

Tgt Ion:128 Resp: 124279

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

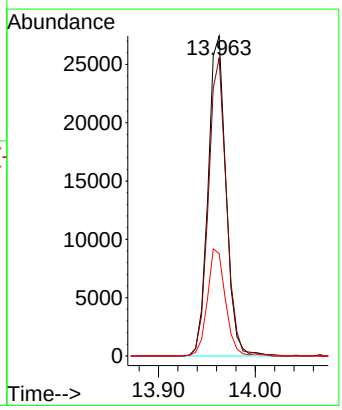




#96
1,2,3-Trichlorobenzene
Concen: 20.203 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:180 Resp: 35212

Ion	Ratio	Lower	Upper
180	100		
182	94.1	45.6	136.8
145	34.1	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	109076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	195872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100196	53.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.120%			
35) Dibromofluoromethane	5.385	113	72137	51.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	8.647	98	250635	51.950	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	86479	52.669	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27785	20.108	ug/l	96
3) Chloromethane	1.294	50	29728	20.444	ug/l	96
4) Vinyl Chloride	1.374	62	31592	20.426	ug/l	97
5) Bromomethane	1.599	94	20295	21.330	ug/l	99
6) Chloroethane	1.666	64	21360	22.665	ug/l	94
7) Trichlorofluoromethane	1.867	101	60353	21.826	ug/l	100
8) Diethyl Ether	2.136	74	21147	20.982	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	27774	21.057	ug/l	98
10) Methyl Iodide	2.447	142	32944	19.998	ug/l	97
11) Tert butyl alcohol	2.995	59	29700	98.905	ug/l	98
12) 1,1-Dichloroethene	2.306	96	24194	19.249	ug/l	86
13) Acrolein	2.233	56	33008	104.286	ug/l	99
14) Allyl chloride	2.660	41	42147	20.522	ug/l	97
15) Acrylonitrile	3.062	53	79030	107.997	ug/l	98
16) Acetone	2.386	43	86367	100.513	ug/l	98
17) Carbon Disulfide	2.501	76	43889	16.929	ug/l	98
18) Methyl Acetate	2.703	43	43057	21.518	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	98693	21.626	ug/l	100
20) Methylene Chloride	2.782	84	29543	20.260	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	26401	20.345	ug/l	95
22) Diisopropyl ether	3.763	45	94170	21.444	ug/l	98
23) Vinyl Acetate	3.721	43	408506	108.742	ug/l	99
24) 1,1-Dichloroethane	3.599	63	52345	20.662	ug/l	99
25) 2-Butanone	4.562	43	119728	107.988	ug/l	96
26) 2,2-Dichloropropane	4.465	77	46118	20.157	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	32647	20.353	ug/l	99
28) Bromochloromethane	4.891	49	22133	19.848	ug/l	99
29) Tetrahydrofuran	5.001	42	74565	109.701	ug/l	99
30) Chloroform	5.086	83	58065	21.310	ug/l	97
31) Cyclohexane	5.458	56	43641	20.930	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	48619	20.691	ug/l	99
36) 1,1-Dichloropropene	5.684	75	35764	20.506	ug/l	99
37) Ethyl Acetate	4.714	43	47085	21.749	ug/l	99
38) Carbon Tetrachloride	5.665	117	39037	19.920	ug/l	99
39) Methylcyclohexane	7.373	83	46390	20.474	ug/l	92
40) Benzene	6.031	78	112619	20.730	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	22859	20.630 ug/l #	94
42) 1,2-Dichloroethane	6.080	62	46195	21.172 ug/l	97
43) Isopropyl Acetate	6.342	43	74632	21.661 ug/l	99
44) Trichloroethene	7.123	130	26781	17.414 ug/l	90
45) 1,2-Dichloropropane	7.427	63	28429	21.366 ug/l	93
46) Dibromomethane	7.580	93	22603	21.475 ug/l	96
47) Bromodichloromethane	7.818	83	38744	20.524 ug/l	96
48) Methyl methacrylate	7.696	41	34130	20.644 ug/l	99
49) 1,4-Dioxane	7.665	88	10534	357.698 ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	236829	112.638 ug/l	98
52) Toluene	8.714	92	69441	21.356 ug/l	96
53) t-1,3-Dichloropropene	8.976	75	39050	20.285 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	43430	20.580 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27781	20.697 ug/l	95
56) Ethyl methacrylate	9.116	69	44109	21.098 ug/l	98
57) 1,3-Dichloropropane	9.305	76	49838	22.042 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	112089	97.143 ug/l	97
59) 2-Hexanone	9.433	43	174736	110.568 ug/l	99
60) Dibromochloromethane	9.518	129	25683	19.071 ug/l	95
61) 1,2-Dibromoethane	9.610	107	29772	21.936 ug/l	98
64) Tetrachloroethene	9.269	164	23366	20.722 ug/l	98
65) Chlorobenzene	10.079	112	74928	19.949 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	24536	20.143 ug/l	96
67) Ethyl Benzene	10.189	91	130020	20.429 ug/l	100
68) m/p-Xylenes	10.299	106	97028	40.881 ug/l	99
69) o-Xylene	10.640	106	48479	20.920 ug/l	99
70) Styrene	10.652	104	78583	20.503 ug/l	98
71) Bromoform	10.799	173	14931	17.533 ug/l #	95
73) Isopropylbenzene	10.963	105	125832	20.617 ug/l	99
74) N-amyl acetate	10.841	43	58504	20.692 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	45786	21.909 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	47712	27.402 ug/l	83
77) Bromobenzene	11.195	156	29411	20.201 ug/l	99
78) n-propylbenzene	11.305	91	141102	20.700 ug/l	100
79) 2-Chlorotoluene	11.360	91	92095	21.366 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	105010	20.914 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10352	16.224 ug/l #	78
82) 4-Chlorotoluene	11.451	91	102553	21.075 ug/l	99
83) tert-Butylbenzene	11.713	119	104939	21.086 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	107681	21.541 ug/l	99
85) sec-Butylbenzene	11.890	105	124001	20.336 ug/l	100
86) p-Isopropyltoluene	12.006	119	105513	21.303 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	53195	20.061 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	54275	20.076 ug/l	97
89) n-Butylbenzene	12.329	91	89016	20.384 ug/l	99
90) Hexachloroethane	12.536	117	15072	17.895 ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	55361	20.688 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8390	20.036 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	29761	18.864 ug/l	99
94) Hexachlorobutadiene	13.725	225	11821	18.958 ug/l	97
95) Naphthalene	13.774	128	117216	20.640 ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	30581	19.151 ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

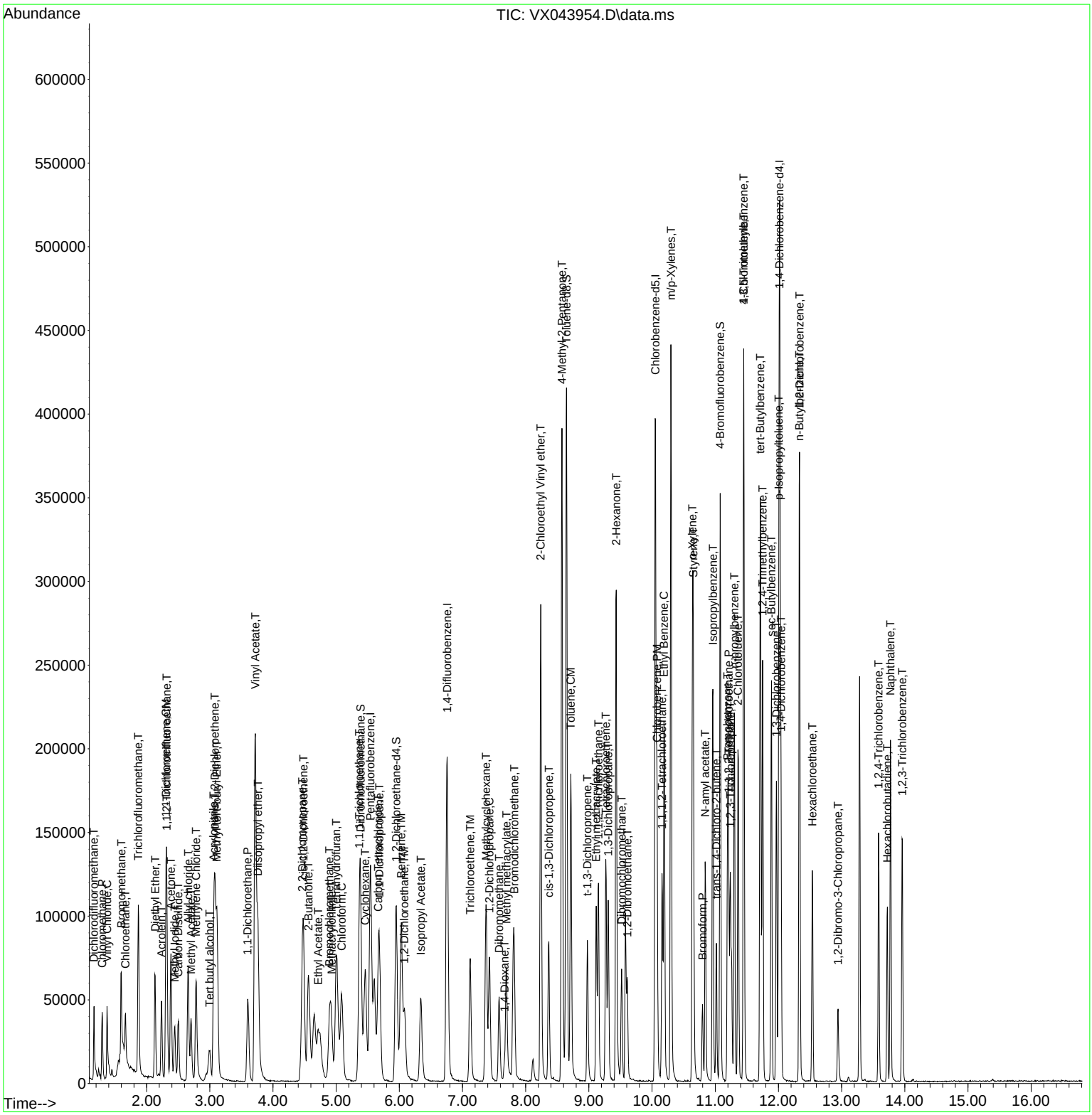
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

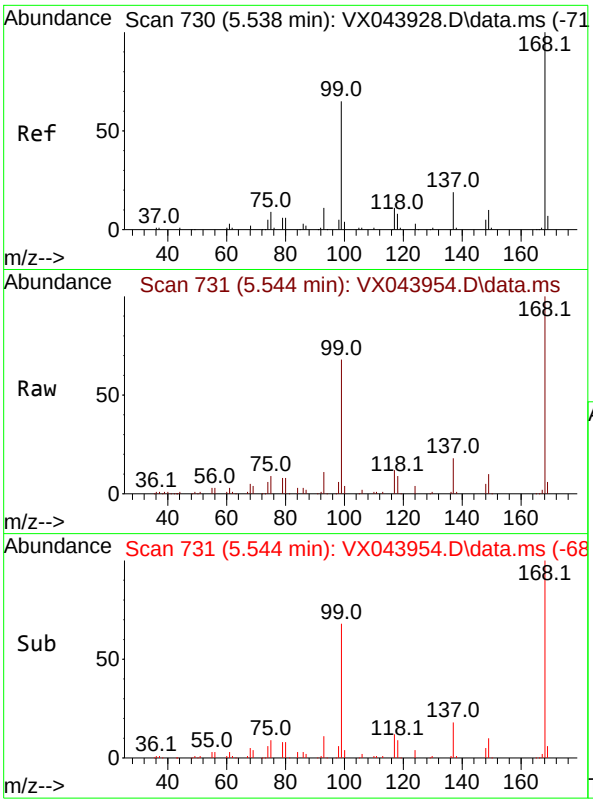
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043954.D
Acq On : 22 Nov 2024 13:02
Operator : JC/MD
Sample : VX1122WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Quant Time: Nov 22 22:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



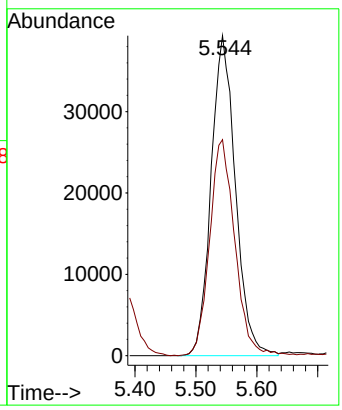


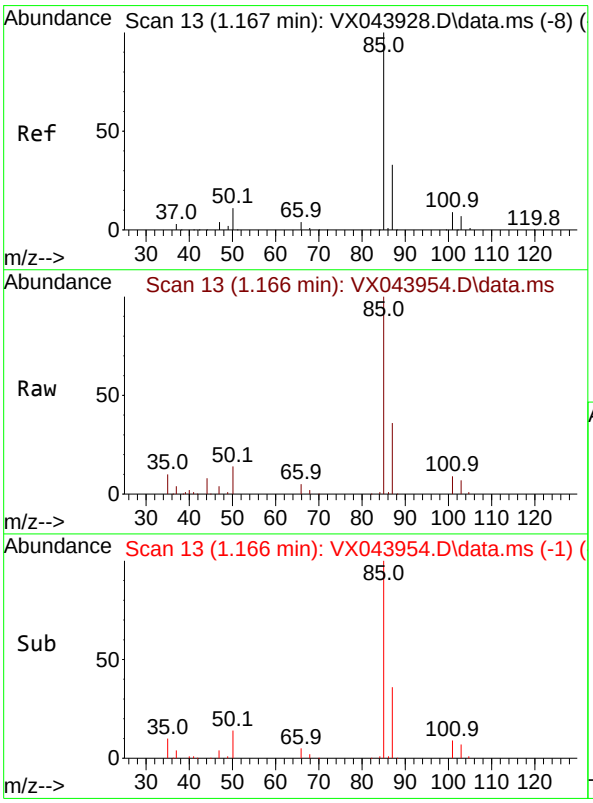
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:168 Resp: 109076

Ion	Ratio	Lower	Upper
168	100		
99	67.5	51.8	77.8

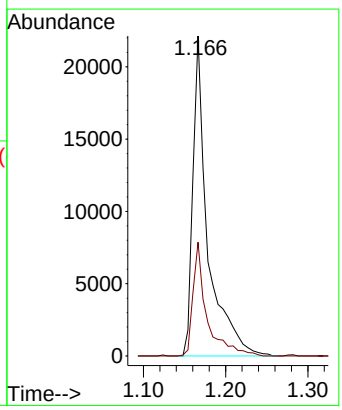


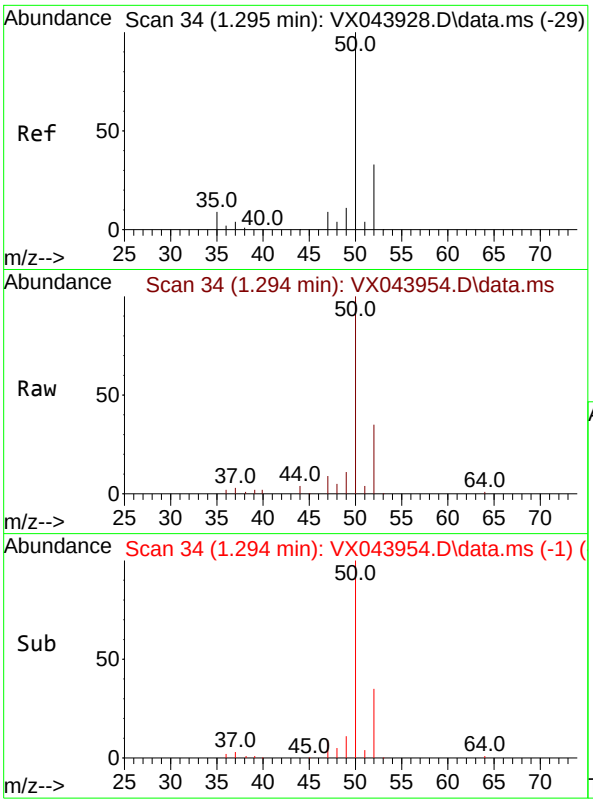


#2
Dichlorodifluoromethane
Concen: 20.108 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 85 Resp: 27785

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.6	49.8



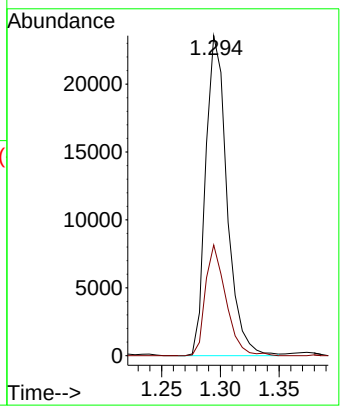


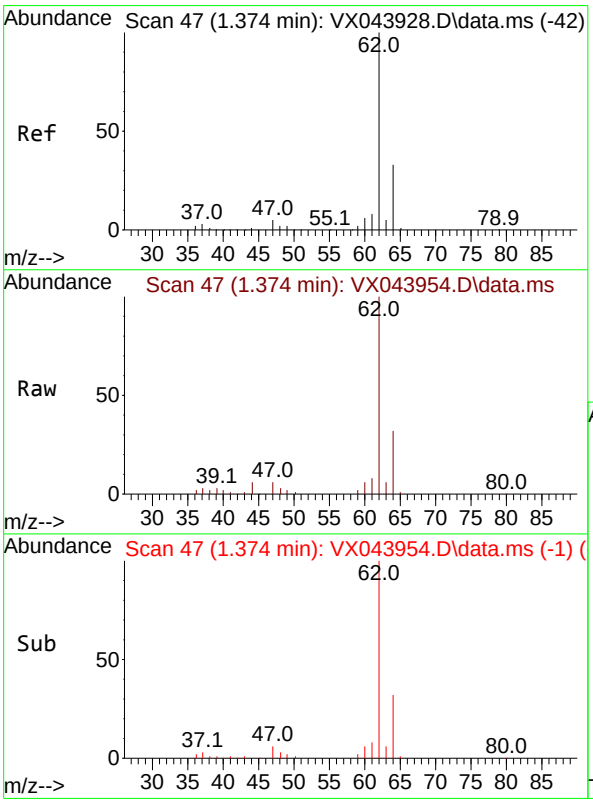
#3
Chloromethane
Concen: 20.444 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 50 Resp: 29728

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.1	39.1

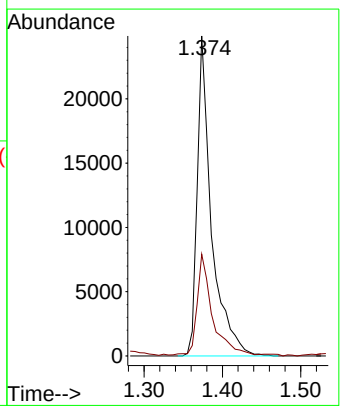


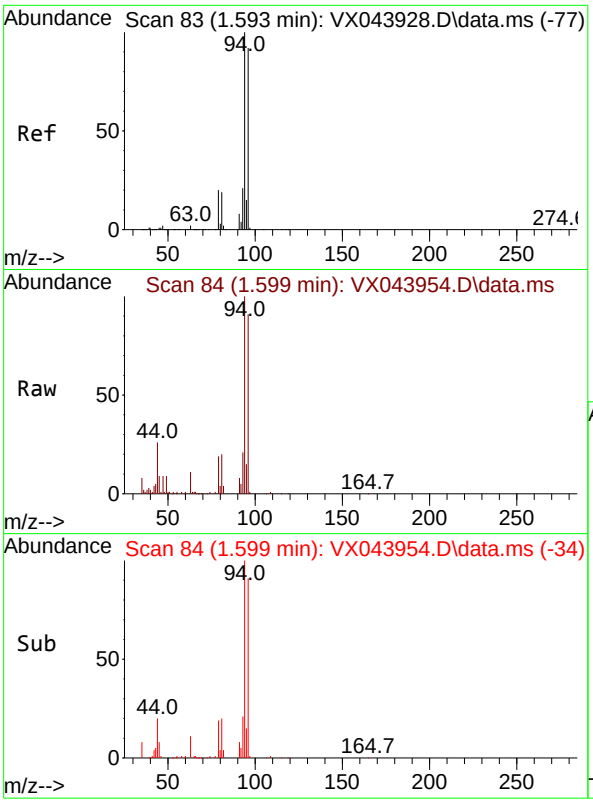


#4
Vinyl Chloride
Concen: 20.426 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 62 Resp: 31592

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.2	39.4



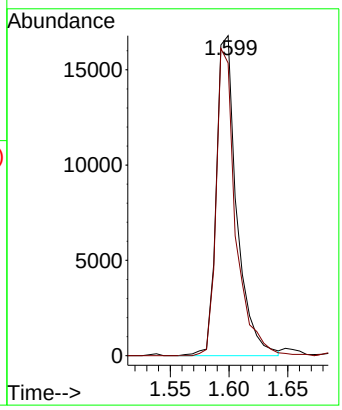


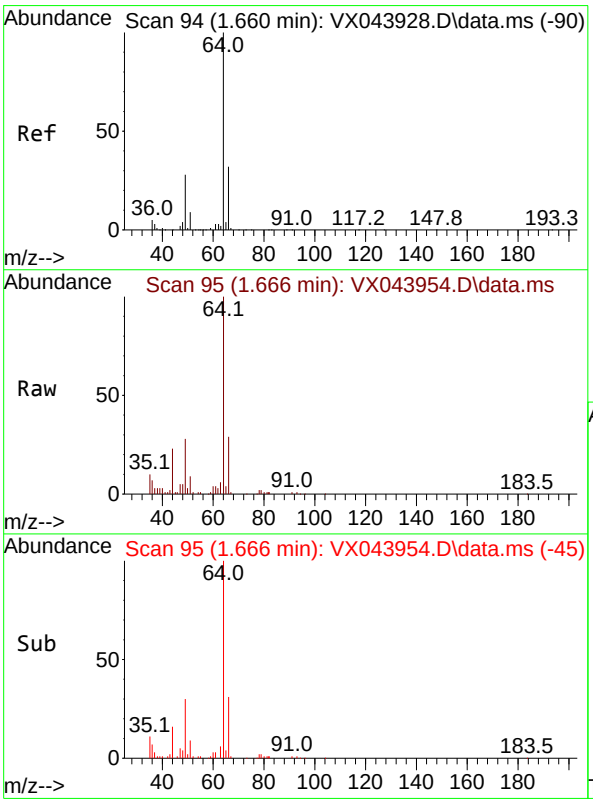
#5
Bromomethane
Concen: 21.330 ug/l
RT: 1.599 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 94 Resp: 20295

Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.9	110.9

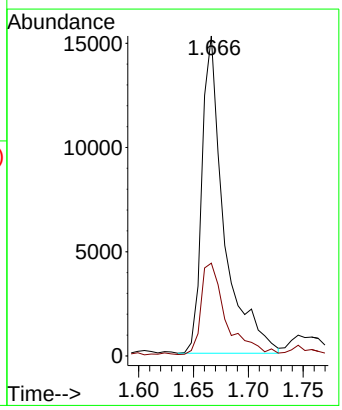


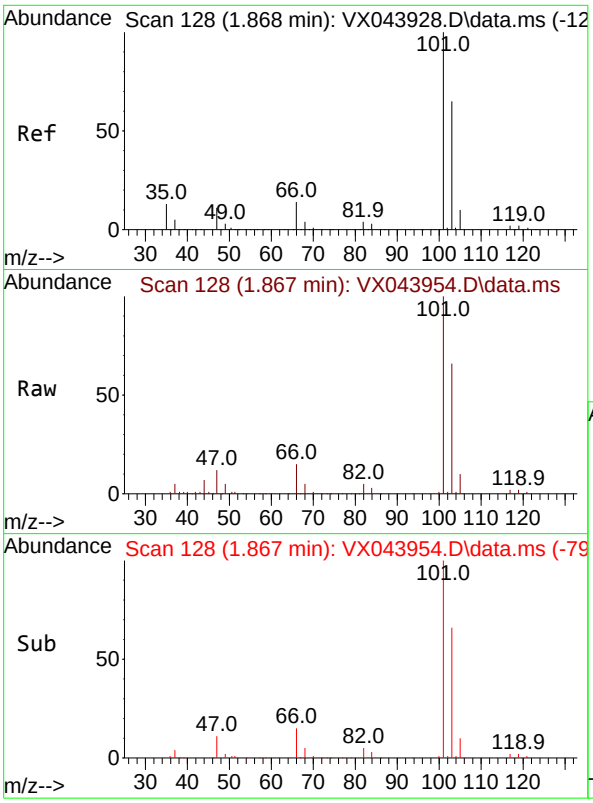


#6
Chloroethane
Concen: 22.665 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 64 Resp: 21360

Ion	Ratio	Lower	Upper
64	100		
66	28.8	25.9	38.9



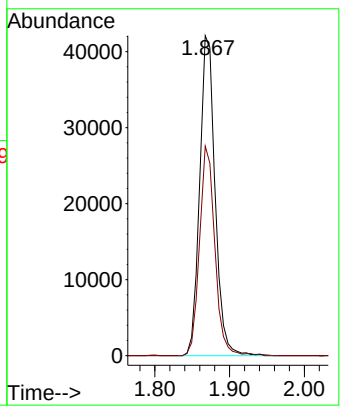


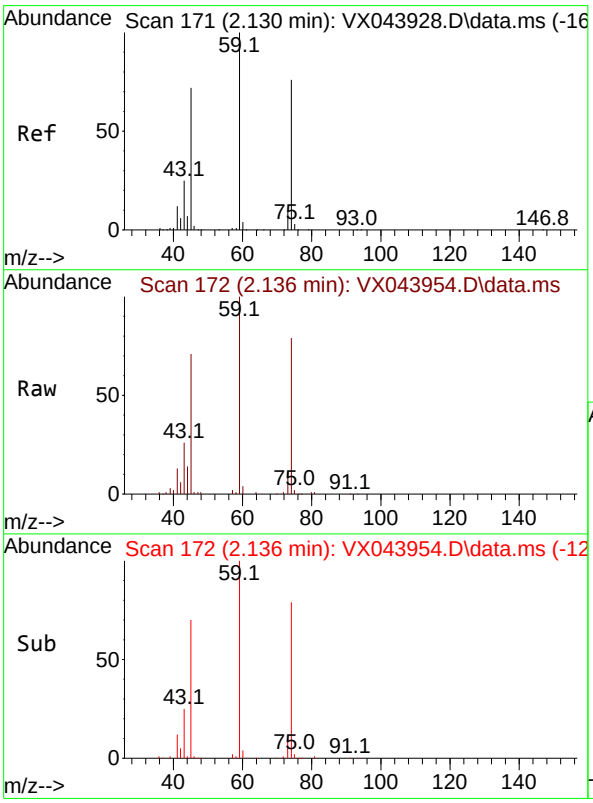
#7
Trichlorofluoromethane
Concen: 21.826 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:101 Resp: 60353

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

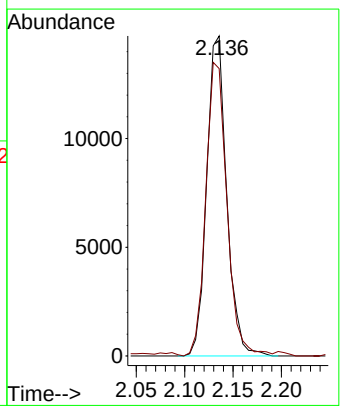


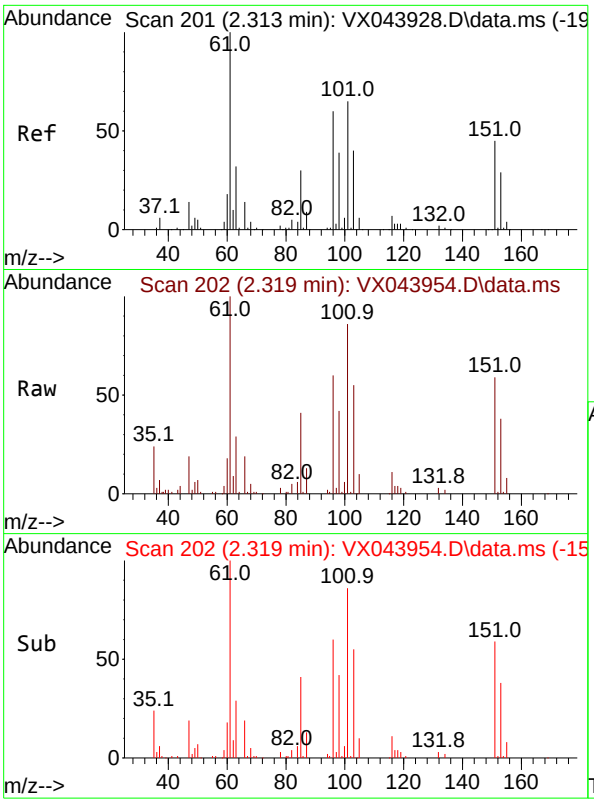


#8
Diethyl Ether
Concen: 20.982 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 74 Resp: 21147

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.9	143.6



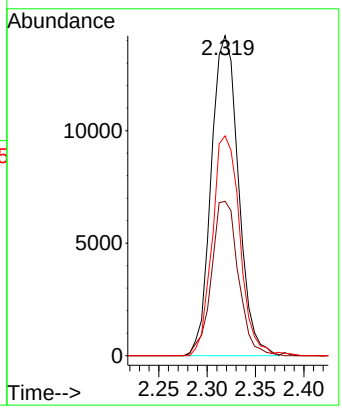


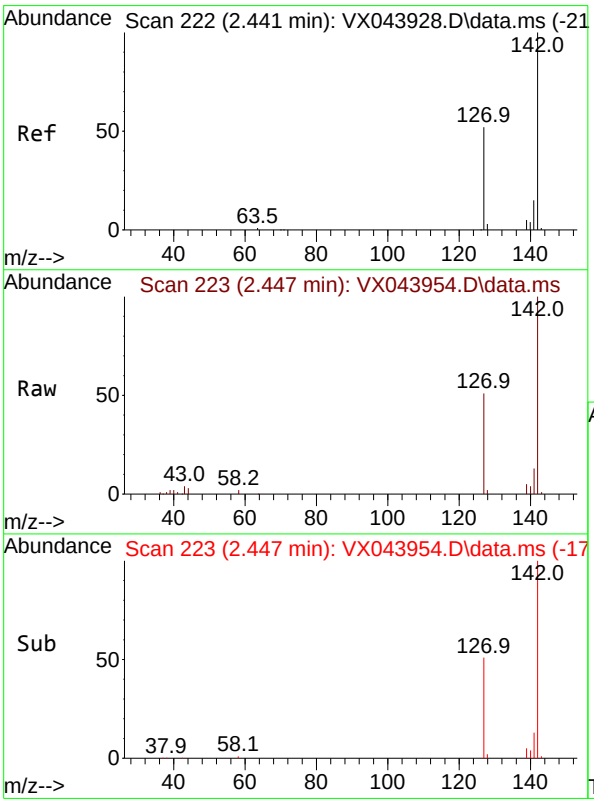
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.057 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:101 Resp: 27774

Ion	Ratio	Lower	Upper
101	100		
85	47.8	37.9	56.9
151	69.9	57.5	86.3

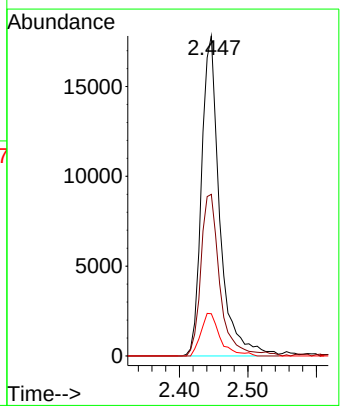


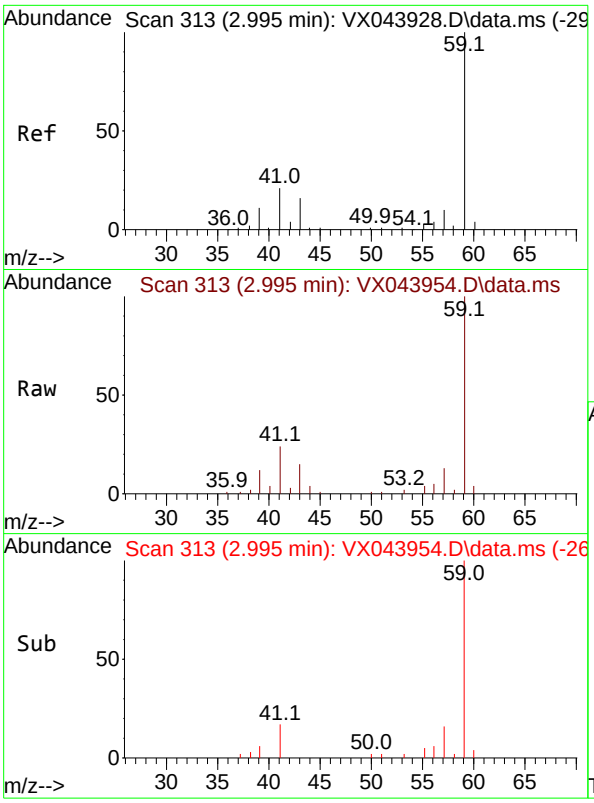


#10
Methyl Iodide
Concen: 19.998 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:142 Resp: 32944

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.7	61.1
141	14.1	12.0	18.0



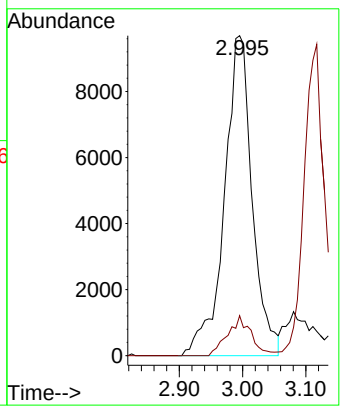


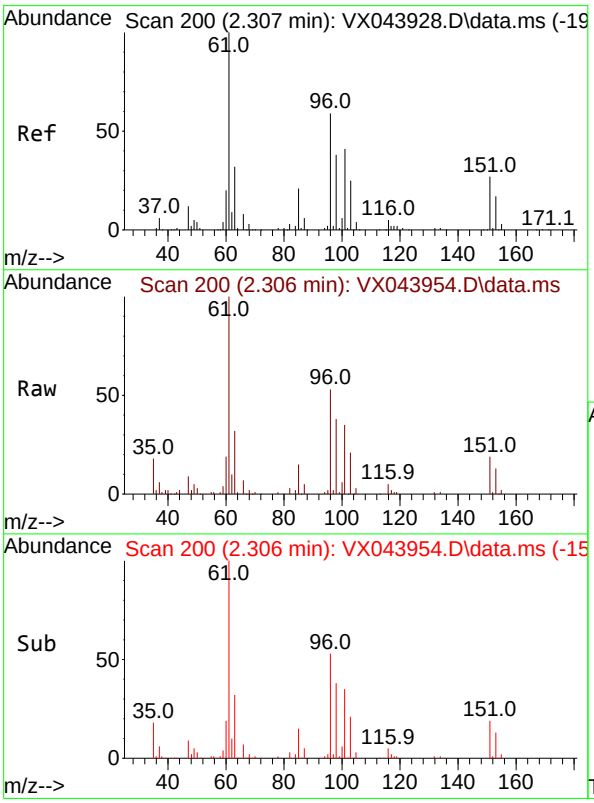
#11
Tert butyl alcohol
Concen: 98.905 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 59 Resp: 29700

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9

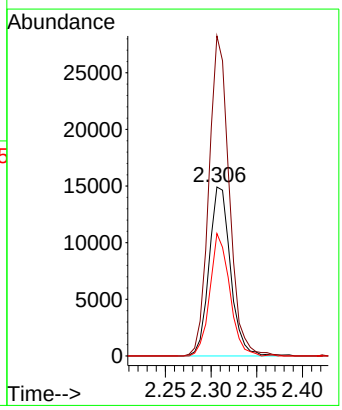


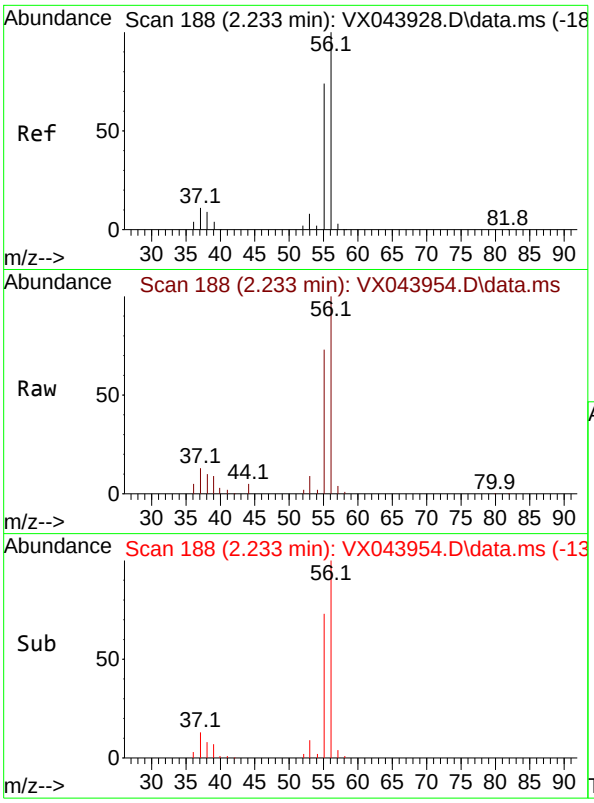


#12
1,1-Dichloroethene
Concen: 19.249 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 96 Resp: 24194

Ion	Ratio	Lower	Upper
96	100		
61	189.4	135.5	203.3
98	72.4	50.8	76.2



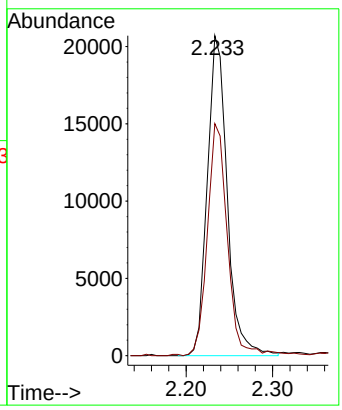


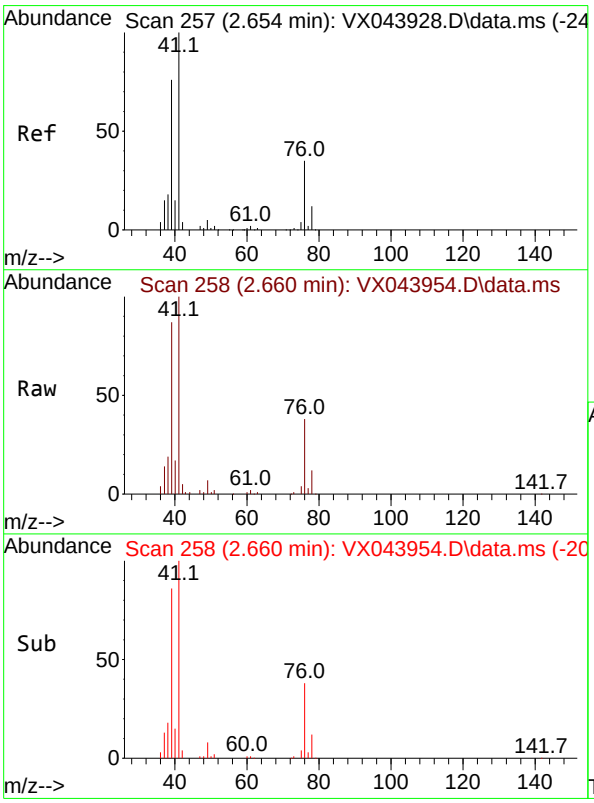
#13
Acrolein
Concen: 104.286 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 56 Resp: 33008

Ion	Ratio	Lower	Upper
56	100		
55	73.6	58.2	87.2

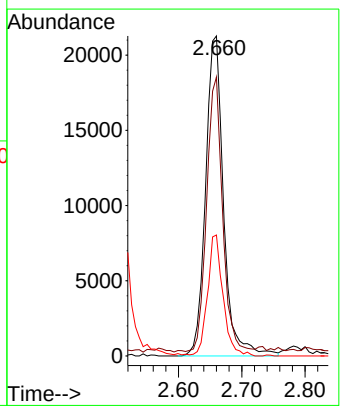


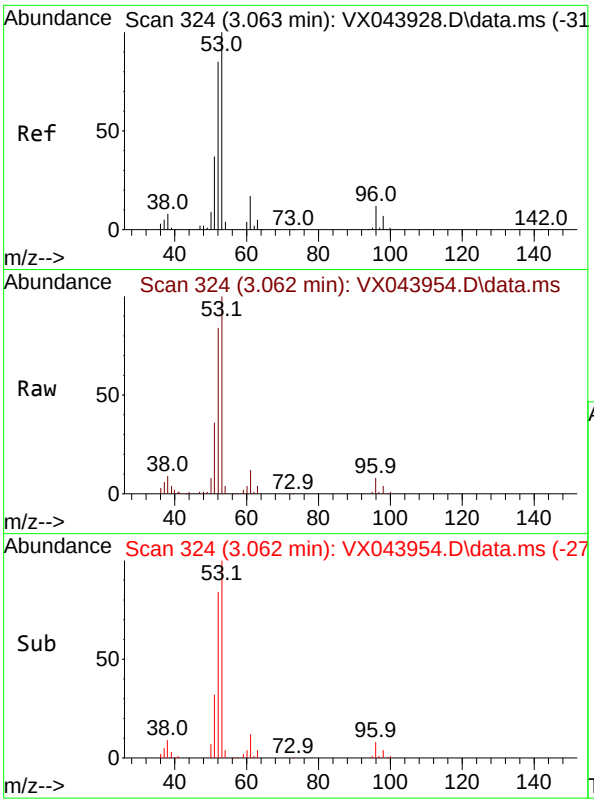


#14
Allyl chloride
Concen: 20.522 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 42147

Ion	Ratio	Lower	Upper
41	100		
39	76.3	59.5	89.3
76	32.5	27.4	41.2



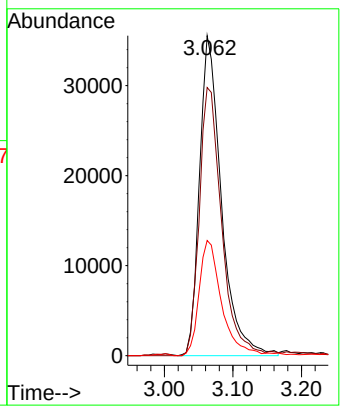


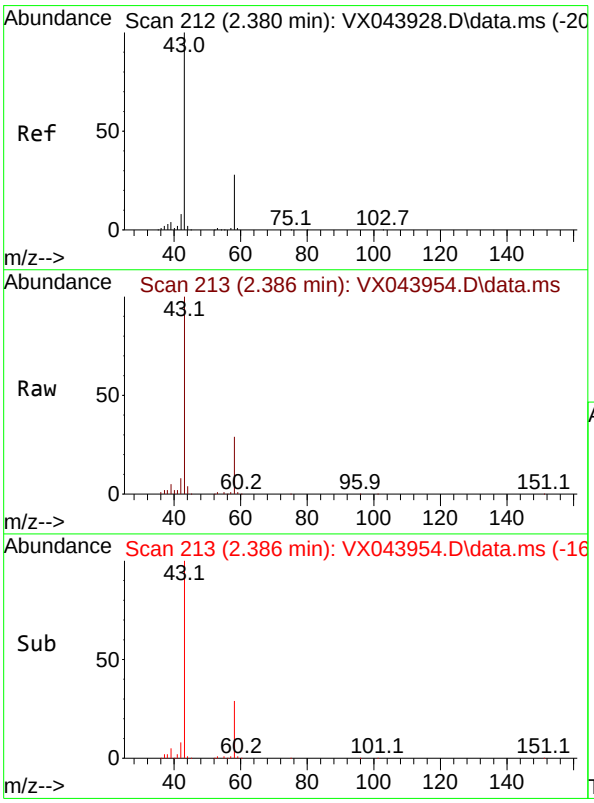
#15
Acrylonitrile
Concen: 107.997 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 53 Resp: 79030

Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.5	99.7
51	36.9	30.2	45.4

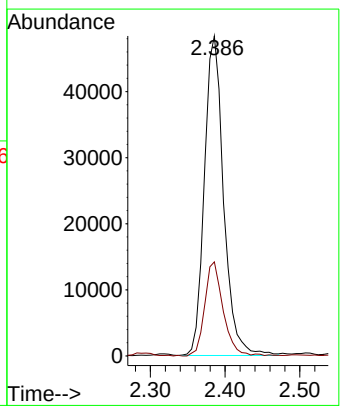


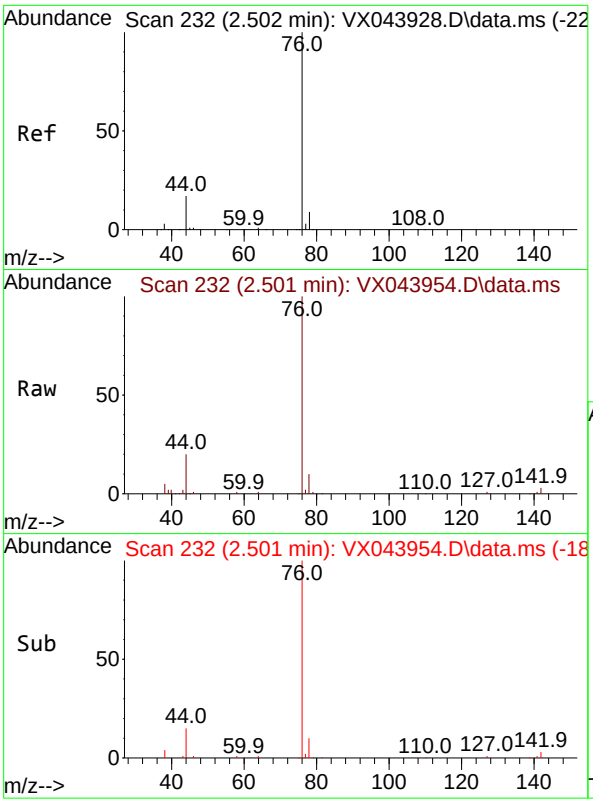


#16
Acetone
Concen: 100.513 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 86367

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.7	34.1



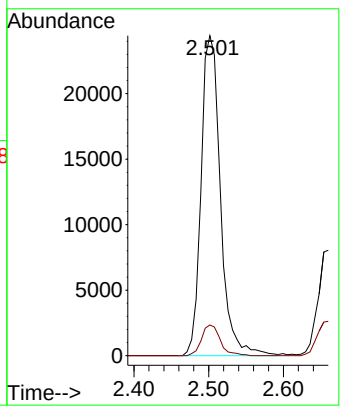


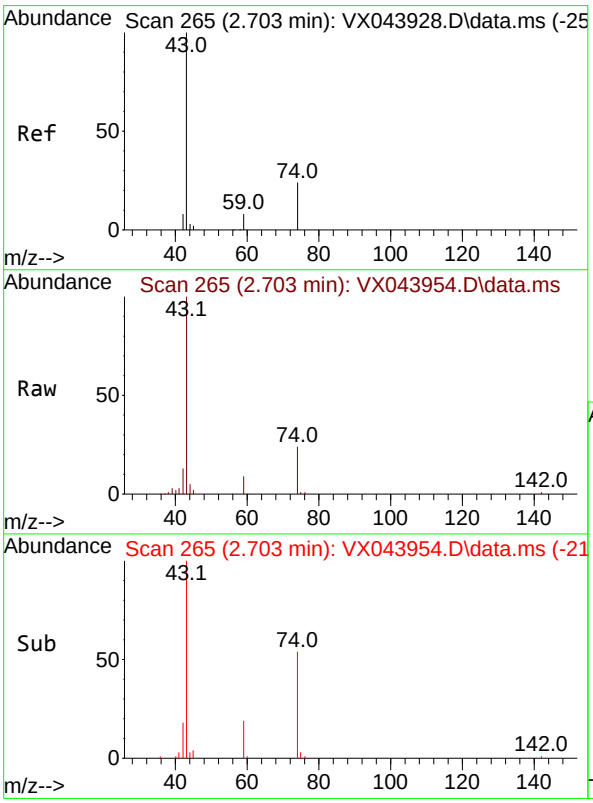
#17
Carbon Disulfide
Concen: 16.929 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 76 Resp: 43889

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

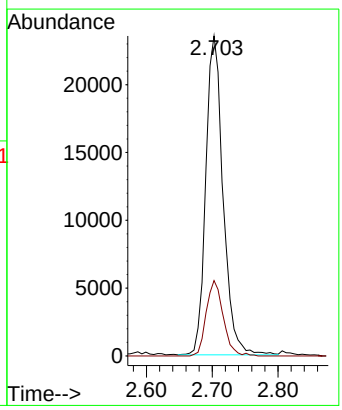


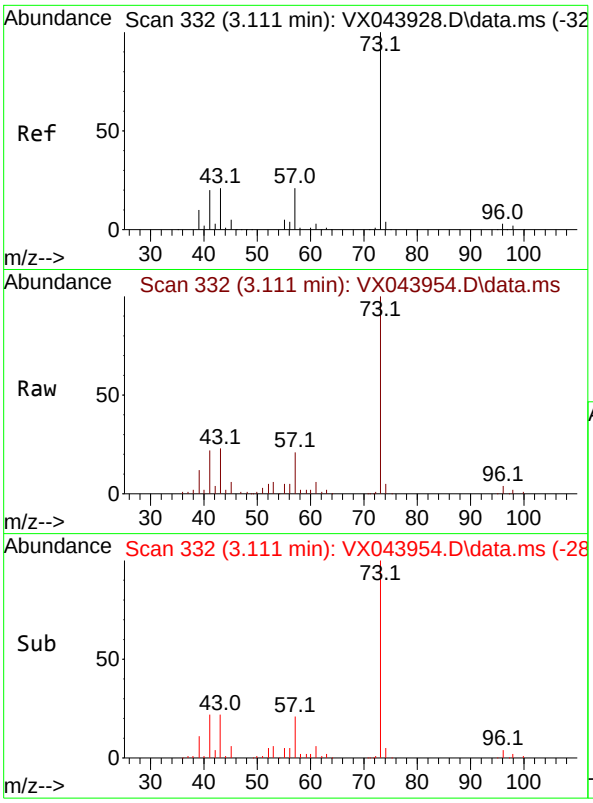


#18
Methyl Acetate
Concen: 21.518 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 43057

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.9	28.3



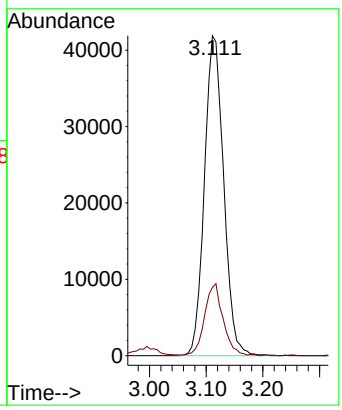


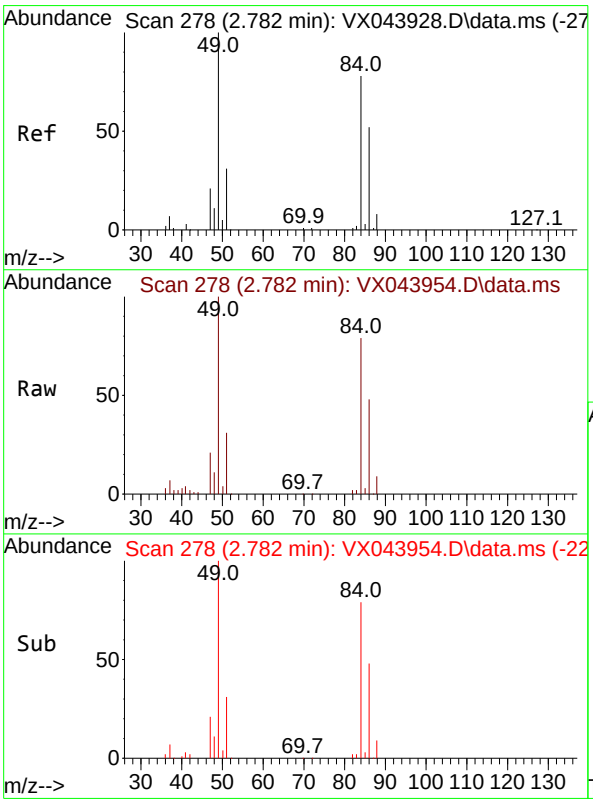
#19
Methyl tert-butyl Ether
Concen: 21.626 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 73 Resp: 98693

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

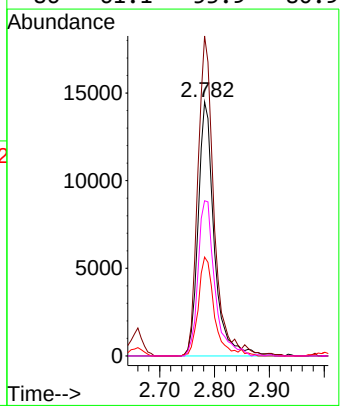


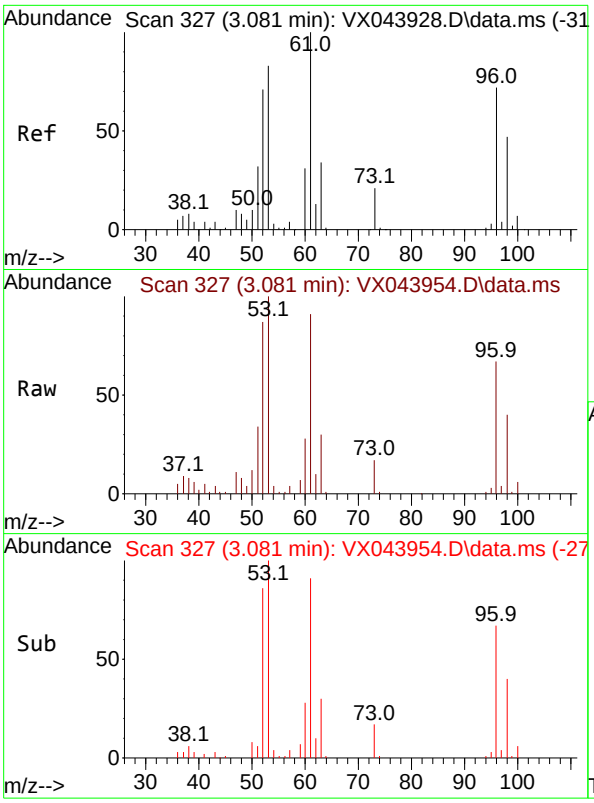


#20
Methylene Chloride
Concen: 20.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 84 Resp: 29543

Ion	Ratio	Lower	Upper
84	100		
49	125.9	102.7	154.1
51	38.9	31.7	47.5
86	61.1	53.9	80.9



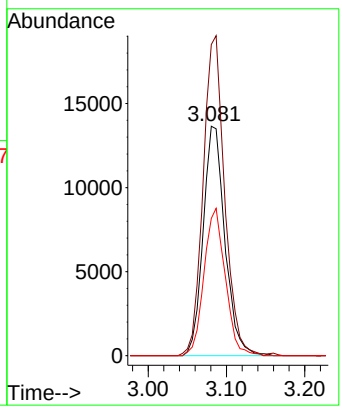


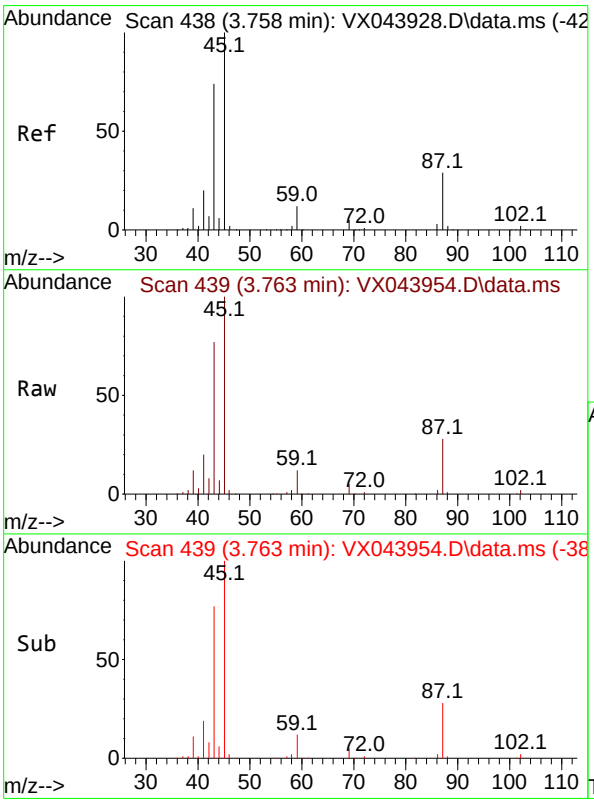
#21
trans-1,2-Dichloroethene
Concen: 20.345 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 96 Resp: 26401

Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.8	167.6
98	59.8	52.7	79.1

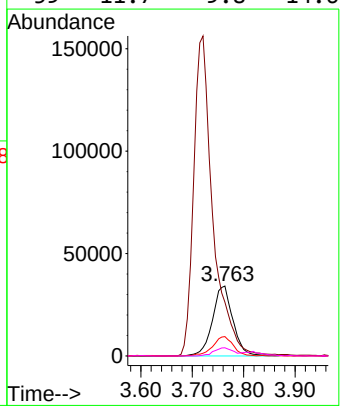


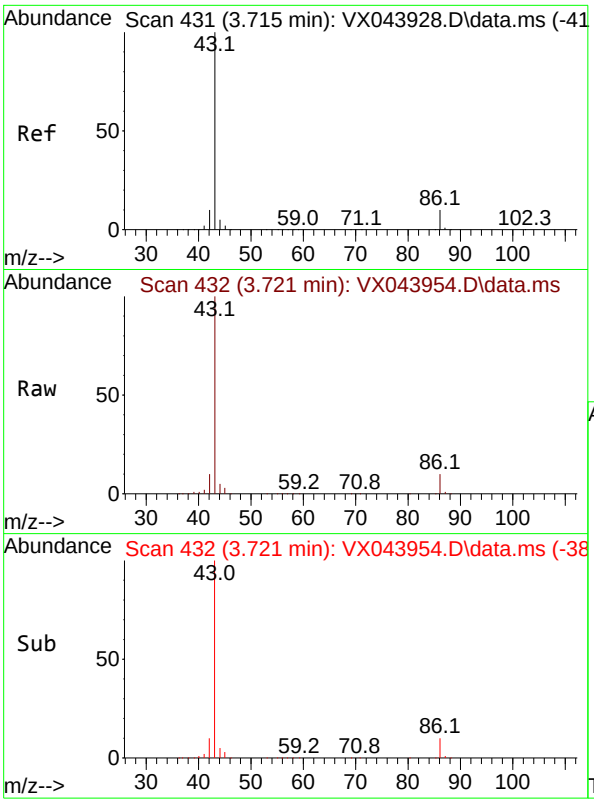


#22
Diisopropyl ether
Concen: 21.444 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 45 Resp: 94170

Ion	Ratio	Lower	Upper
45	100		
43	76.6	59.6	89.4
87	27.6	22.9	34.3
59	11.7	9.8	14.6



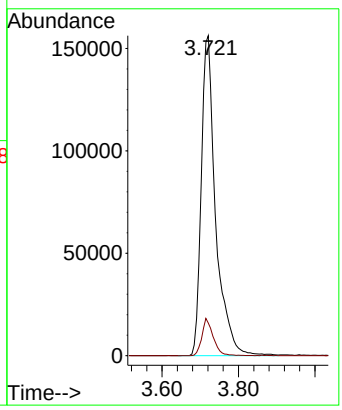


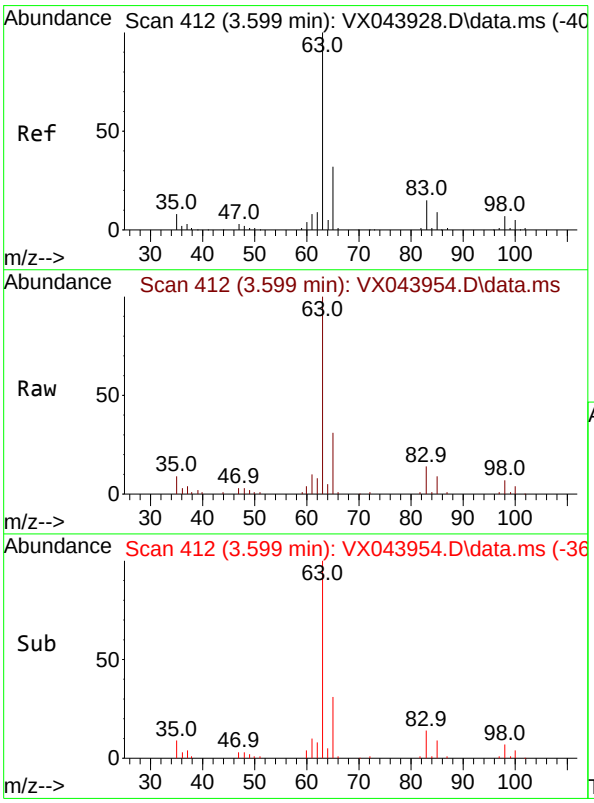
#23
Vinyl Acetate
Concen: 108.742 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 43 Resp: 408506

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

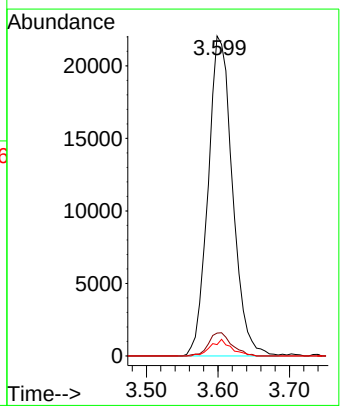


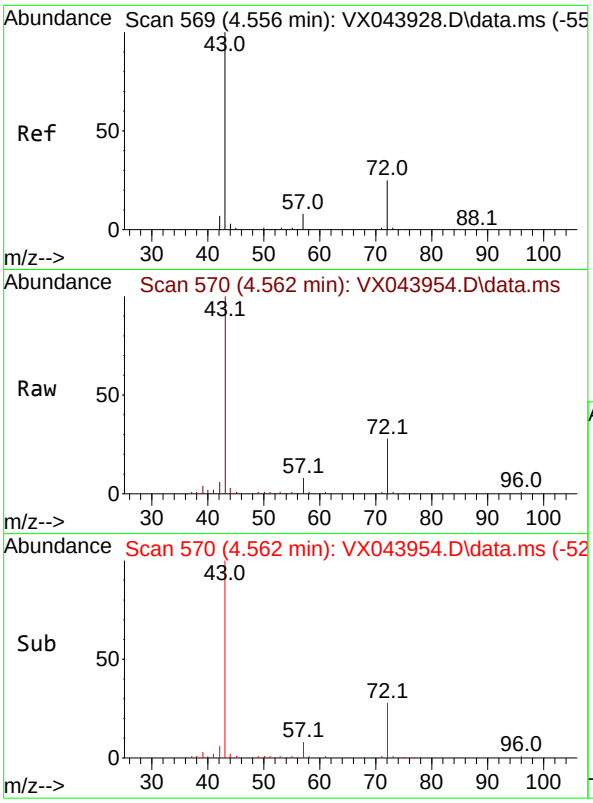


#24
1,1-Dichloroethane
Concen: 20.662 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 52345

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	3.6	2.4	7.1



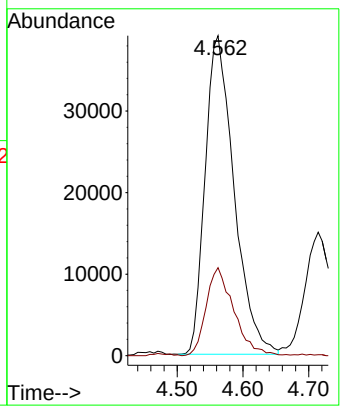


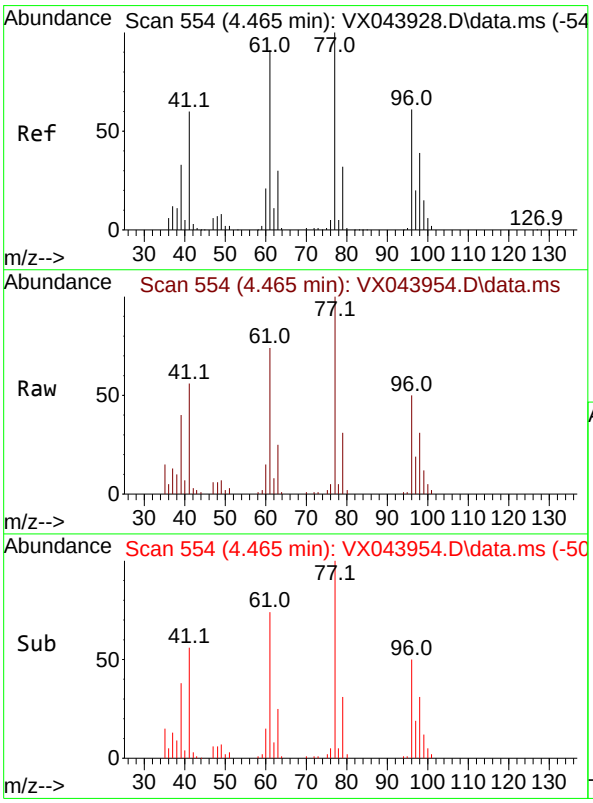
#25
2-Butanone
Concen: 107.988 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 43 Resp: 119728

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.2

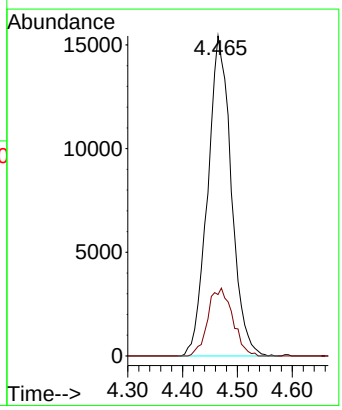


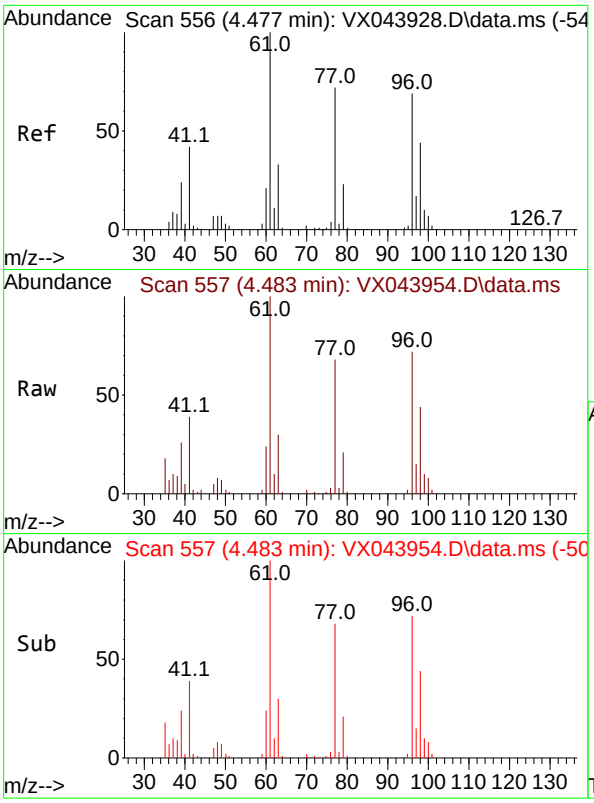


#26
2,2-Dichloropropane
Concen: 20.157 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 77 Resp: 46118

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.8	32.3



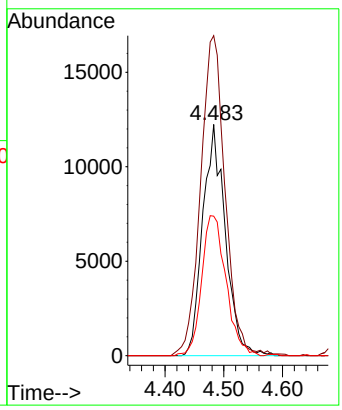


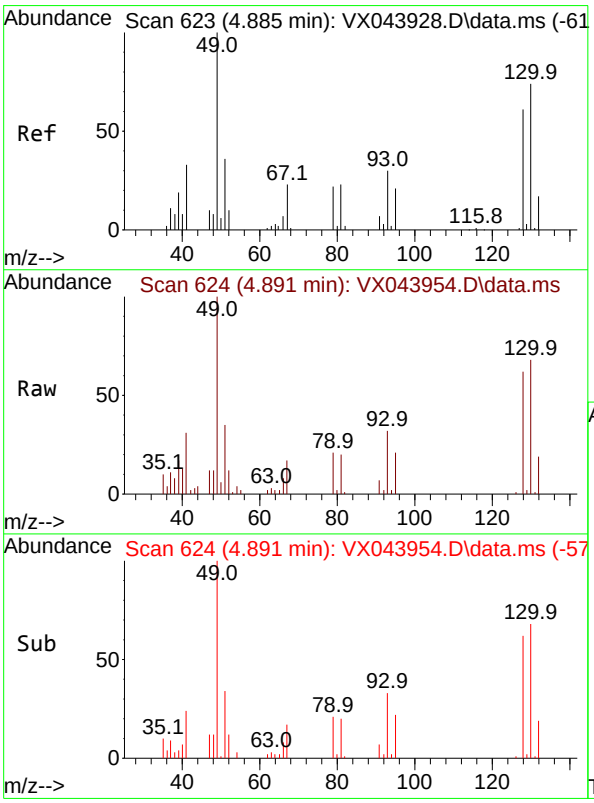
#27
cis-1,2-Dichloroethene
Concen: 20.353 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 96 Resp: 32647

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	297.4
98	65.3	0.0	127.8

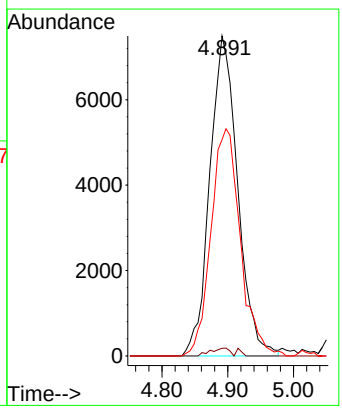


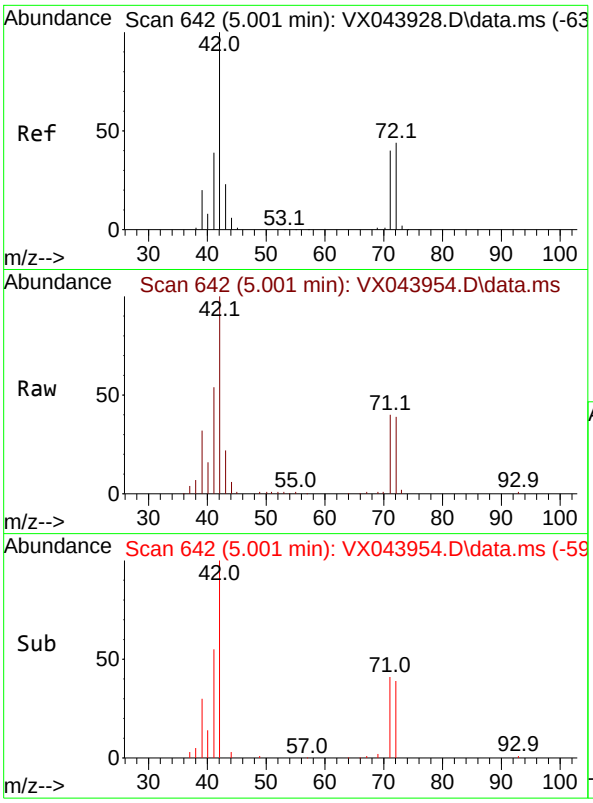


#28
Bromochloromethane
Concen: 19.848 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 49 Resp: 22133

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	74.6	59.0	88.6



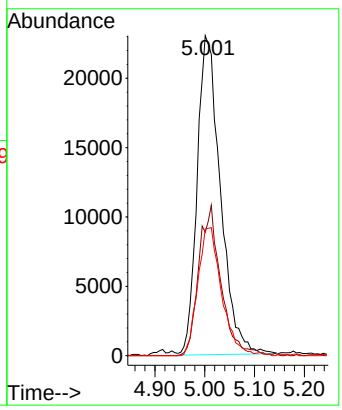


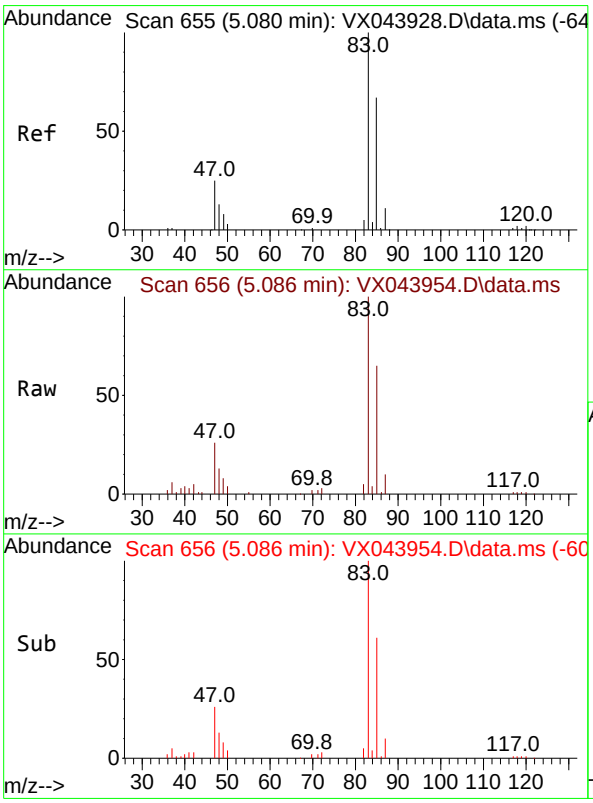
#29
Tetrahydrofuran
Concen: 109.701 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 42 Resp: 74565

Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.4	54.6
71	40.9	33.4	50.0

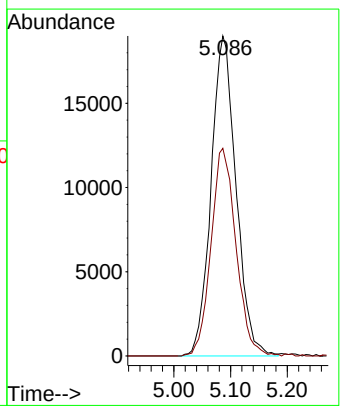


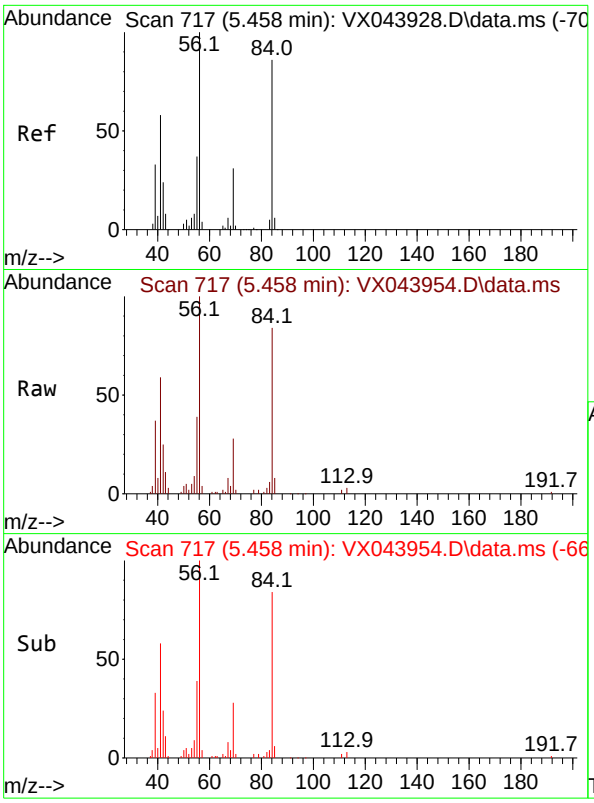


#30
Chloroform
Concen: 21.310 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 83 Resp: 58065

Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.5	80.3



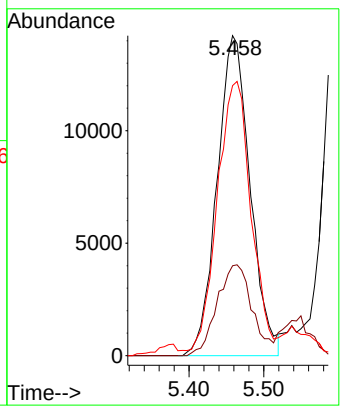


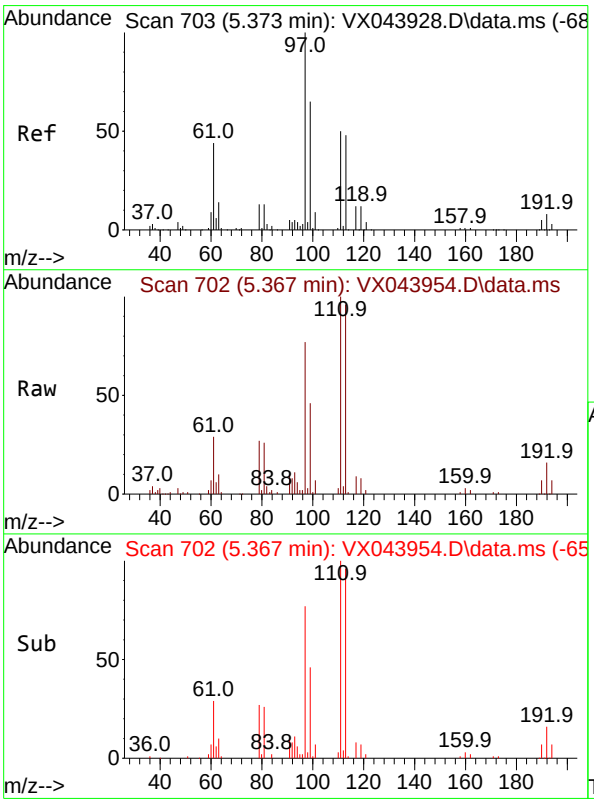
#31
Cyclohexane
Concen: 20.930 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 56 Resp: 43641

Ion	Ratio	Lower	Upper
56	100		
69	28.1	24.7	37.1
84	82.8	68.7	103.1

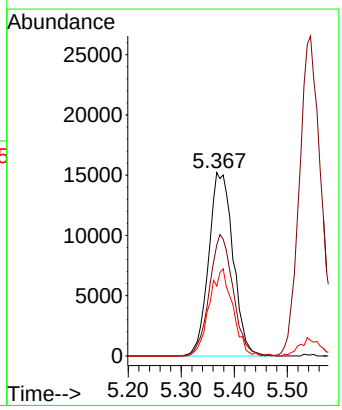


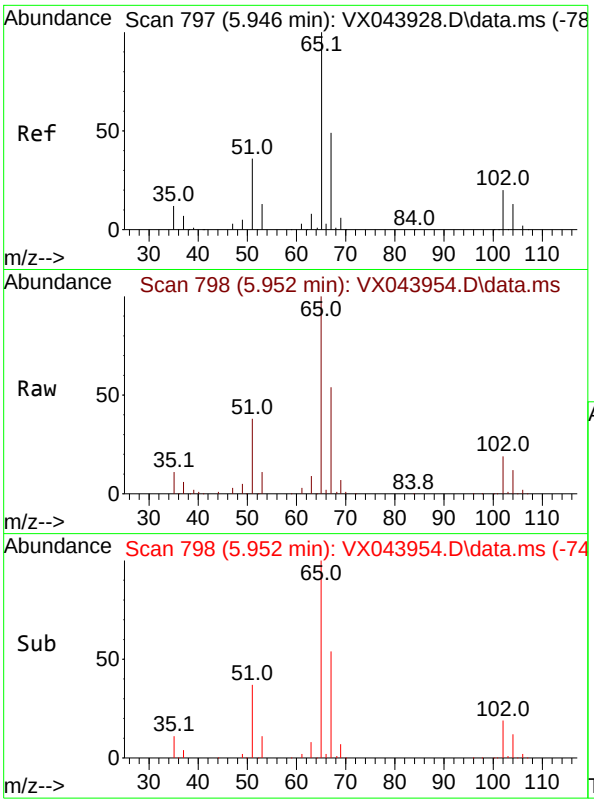


#32
1,1,1-Trichloroethane
Concen: 20.691 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 97 Resp: 48619

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	45.8	35.4	53.2



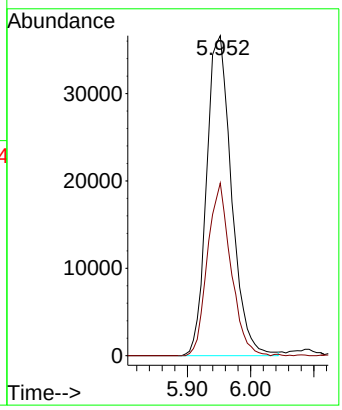


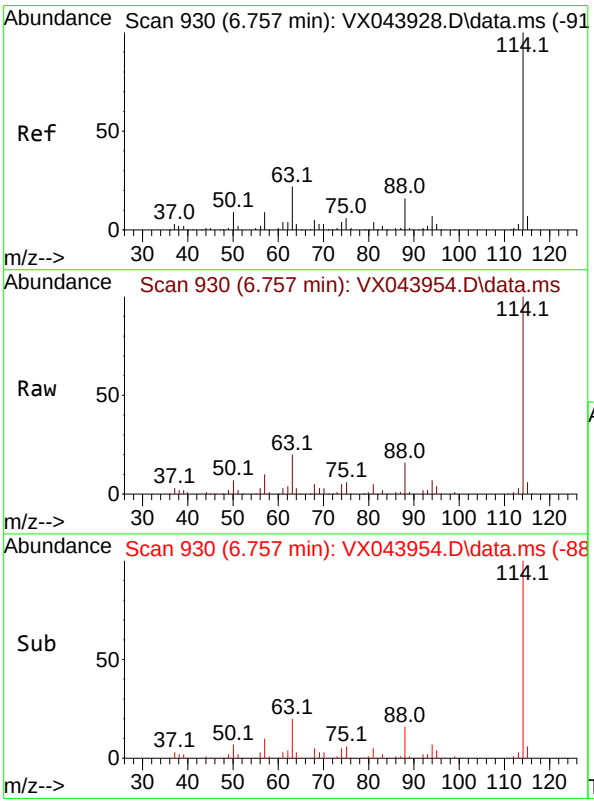
#33
1,2-Dichloroethane-d4
Concen: 53.557 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 65 Resp: 100196

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.8

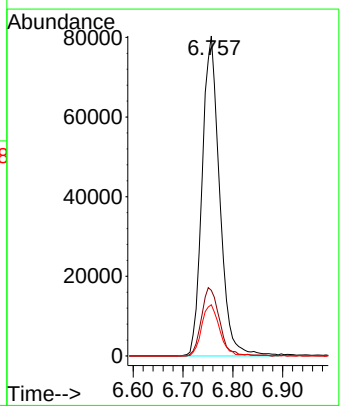


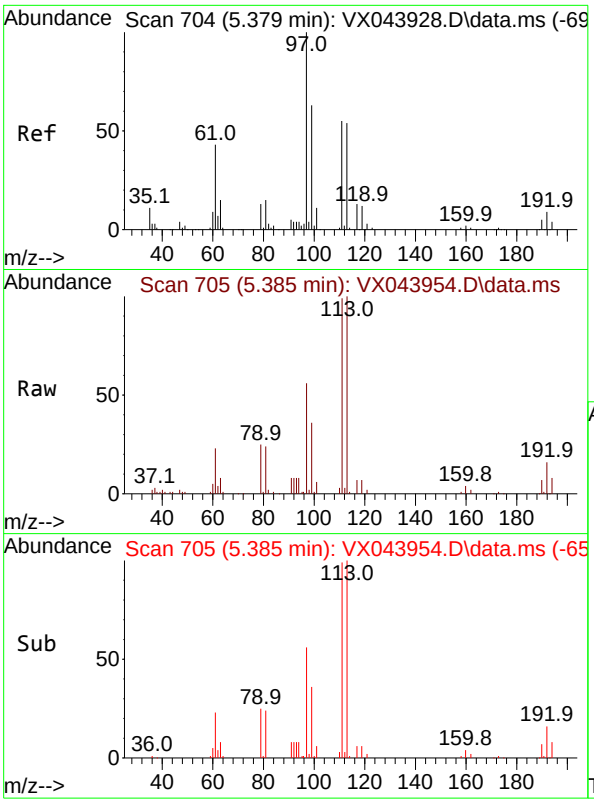


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:114 Resp: 195872

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.0
88	16.0	0.0	32.4



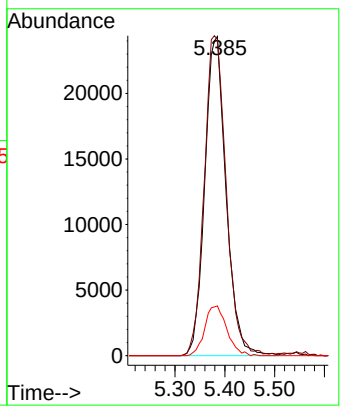


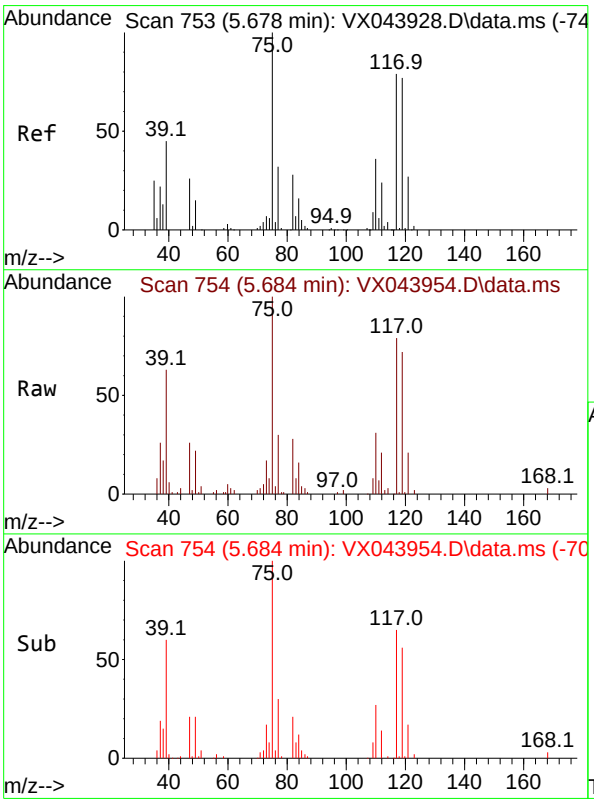
#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:113 Resp: 72137

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	16.2	13.0	19.6

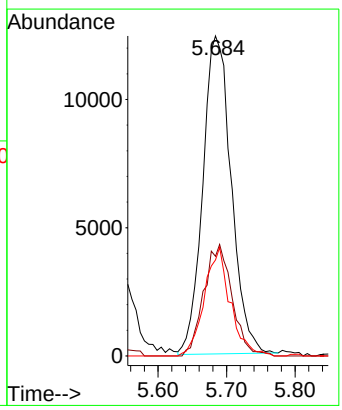


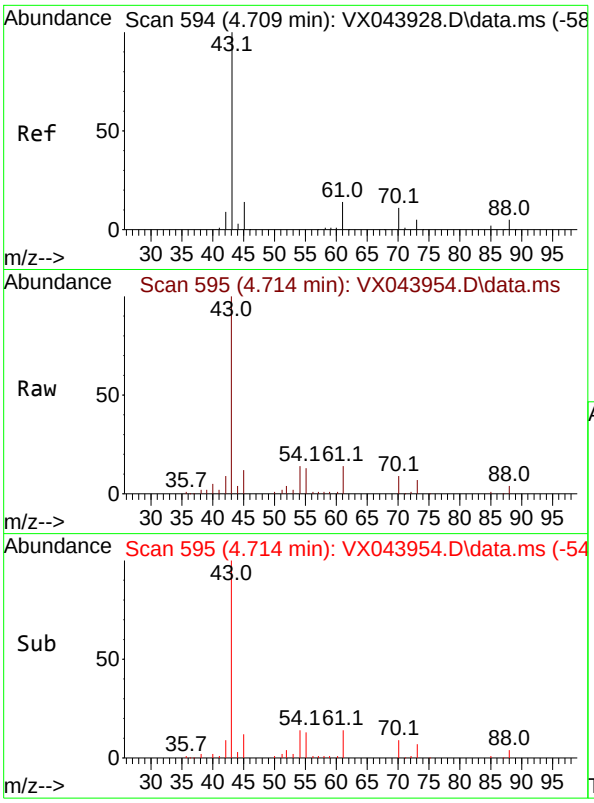


#36
1,1-Dichloropropene
Concen: 20.506 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 35764

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.1	25.8	38.8



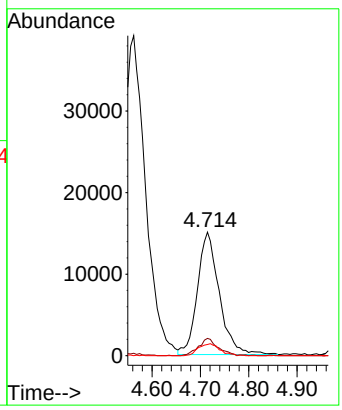


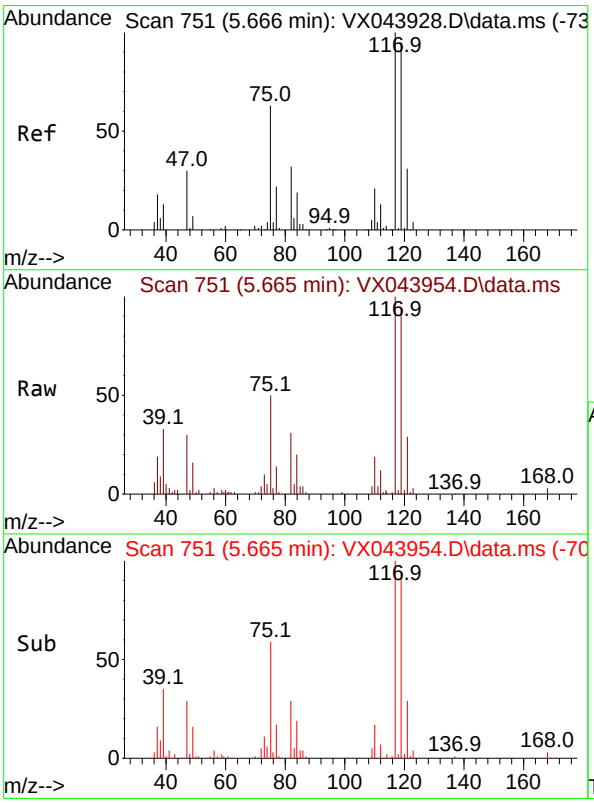
#37
Ethyl Acetate
Concen: 21.749 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 43 Resp: 47085

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.6	8.0	12.0

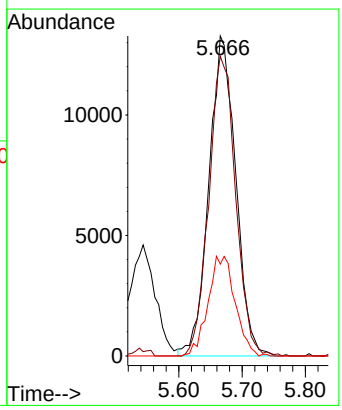


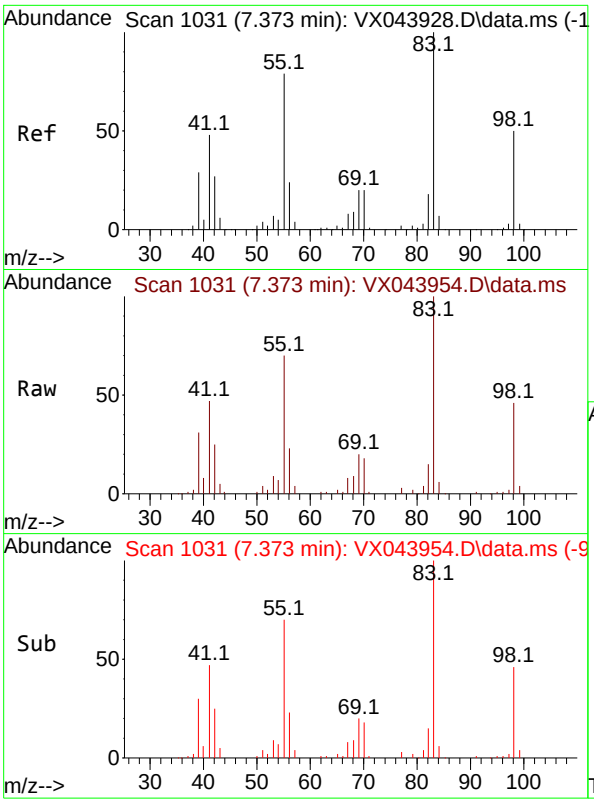


#38
Carbon Tetrachloride
Concen: 19.920 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:117 Resp: 39037

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.2	112.8
121	28.7	24.5	36.7



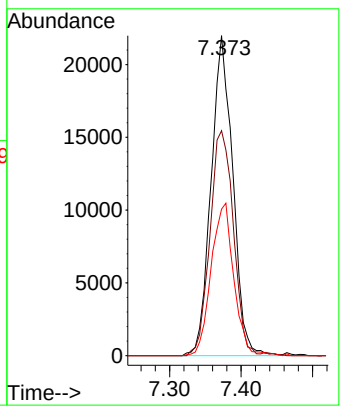


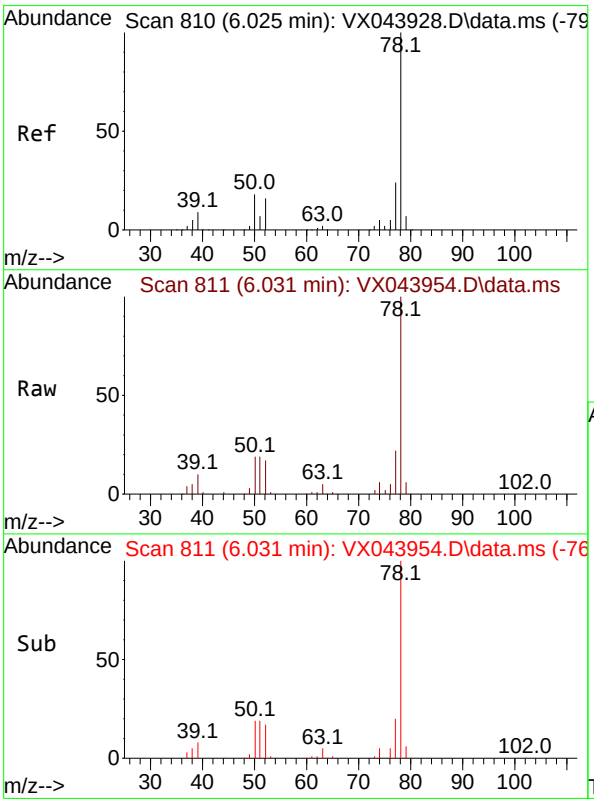
#39
Methylcyclohexane
Concen: 20.474 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 83 Resp: 46390

Ion	Ratio	Lower	Upper
83	100		
55	70.3	63.1	94.7
98	45.8	40.0	60.0

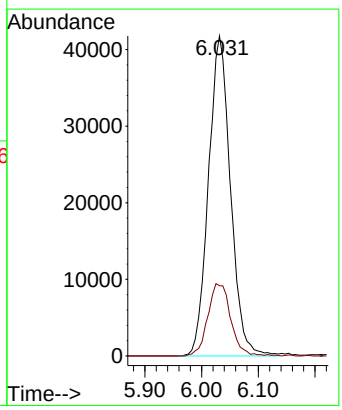


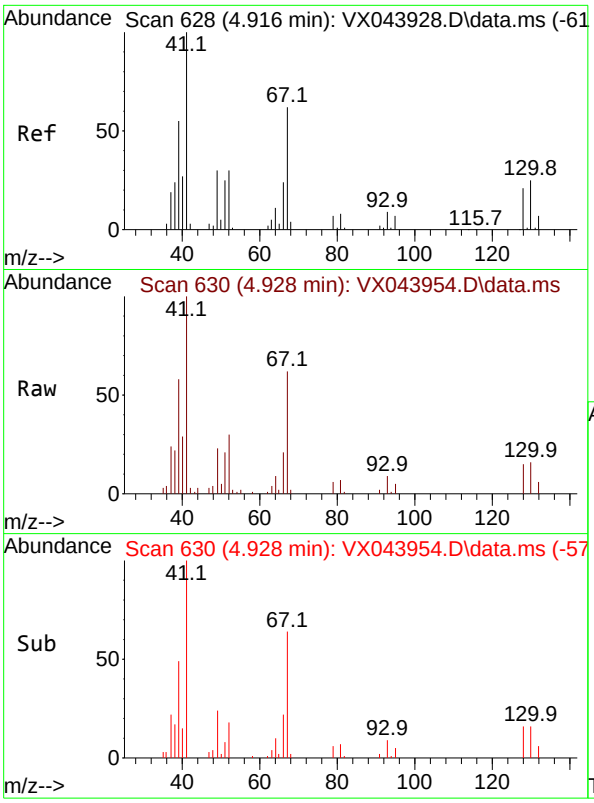


#40
Benzene
Concen: 20.730 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 78 Resp: 112619

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.2	28.8



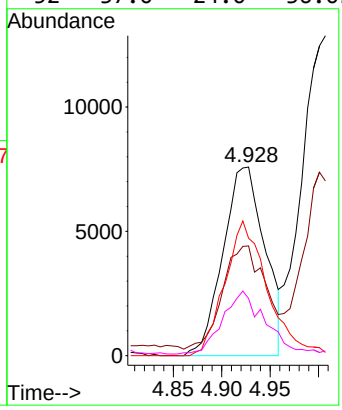


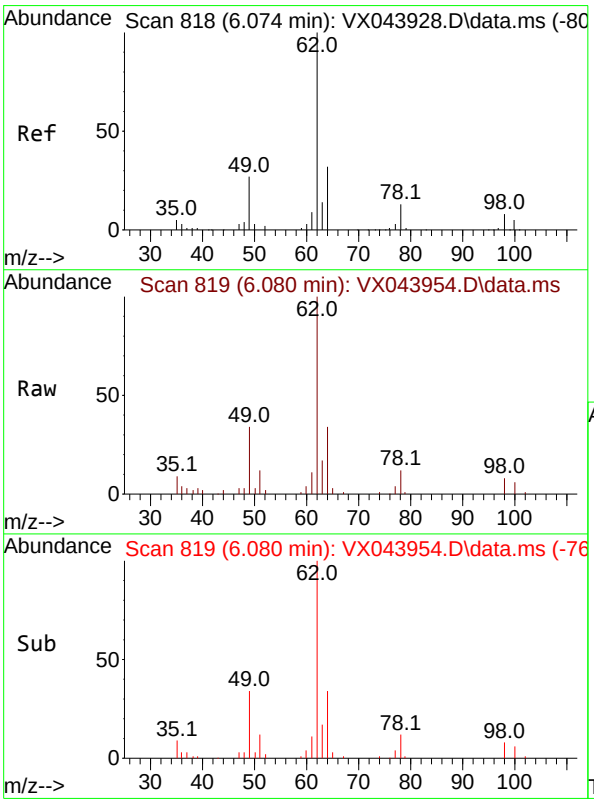
#41
Methacrylonitrile
Concen: 20.630 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 41 Resp: 22859

Ion	Ratio	Lower	Upper
41	100		
39	55.7	41.7	62.5
67	73.1	55.8	83.8
52	37.0	24.0	36.0#

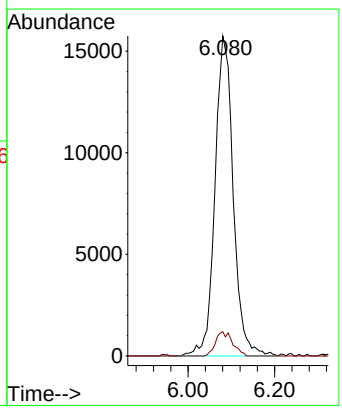


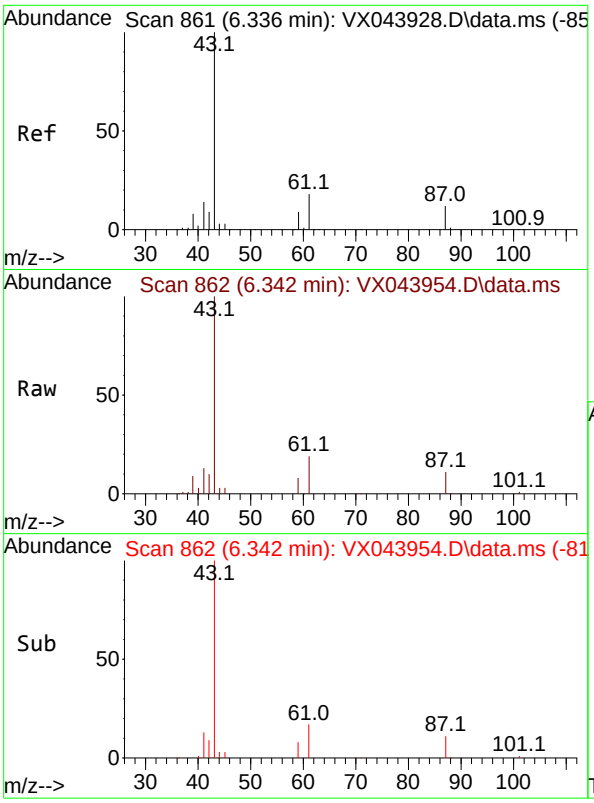


#42
1,2-Dichloroethane
Concen: 21.172 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 62 Resp: 46195

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.4



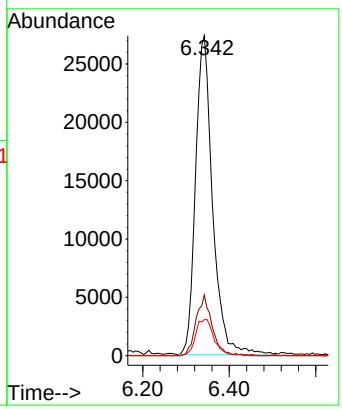


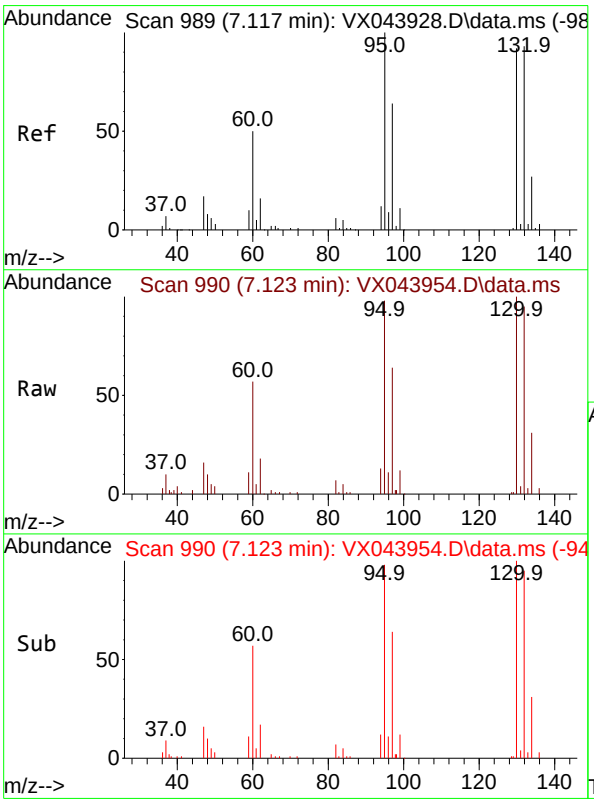
#43
Isopropyl Acetate
Concen: 21.661 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 43 Resp: 74632

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.5	21.7
87	12.3	10.2	15.2

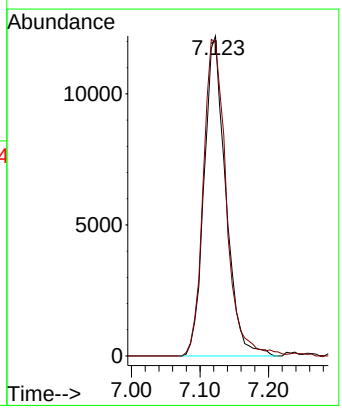


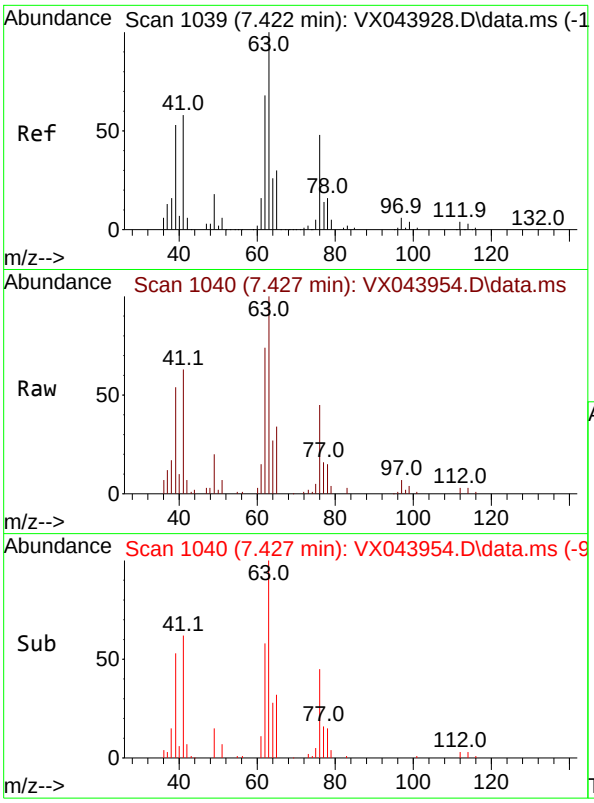


#44
Trichloroethene
Concen: 17.414 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:130 Resp: 26781

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	217.8



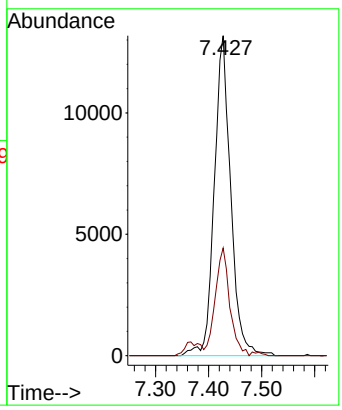


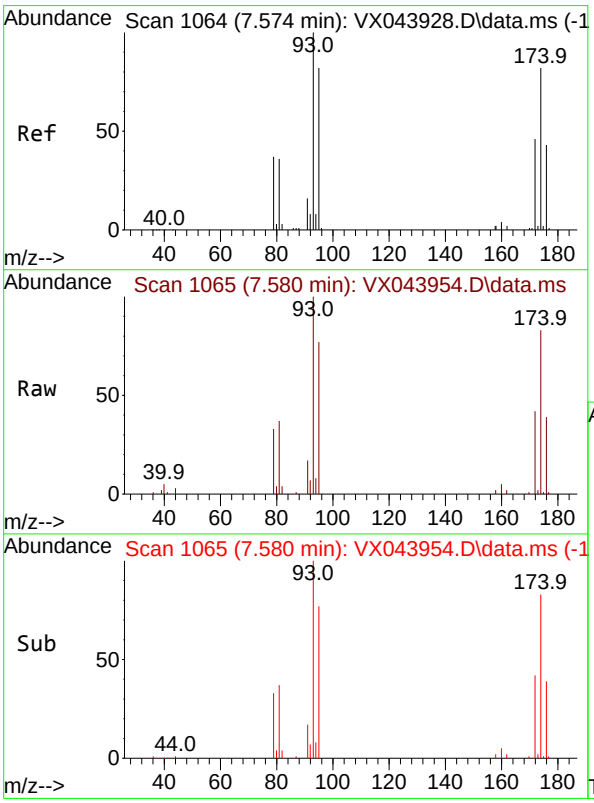
#45
1,2-Dichloropropane
Concen: 21.366 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 63 Resp: 28429

Ion	Ratio	Lower	Upper
63	100		
65	33.7	23.8	35.6

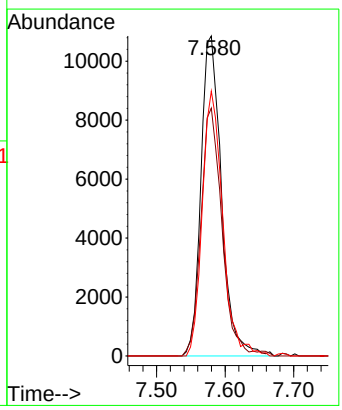


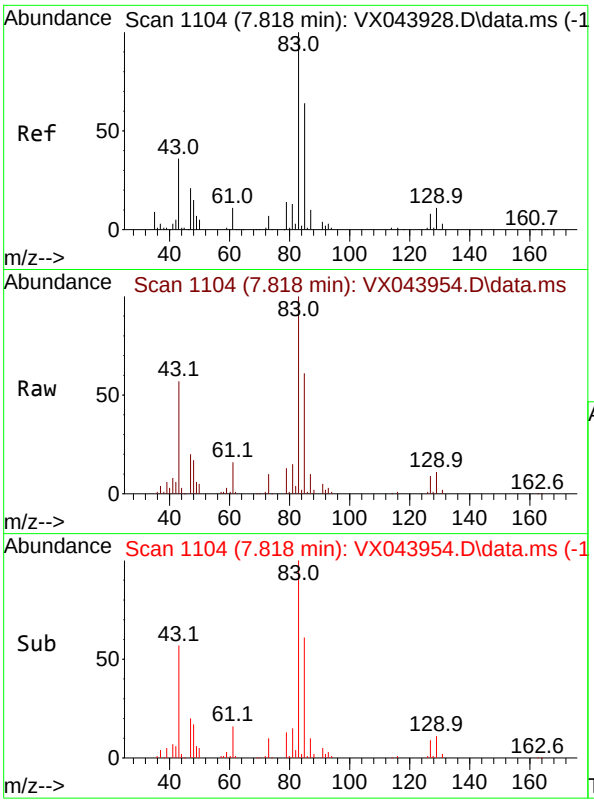


#46
Dibromomethane
Concen: 21.475 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 93 Resp: 22603

Ion	Ratio	Lower	Upper
93	100		
95	79.5	66.2	99.4
174	82.5	69.6	104.4



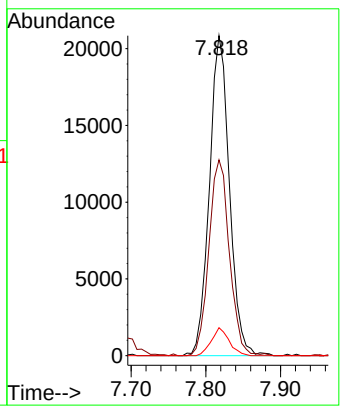


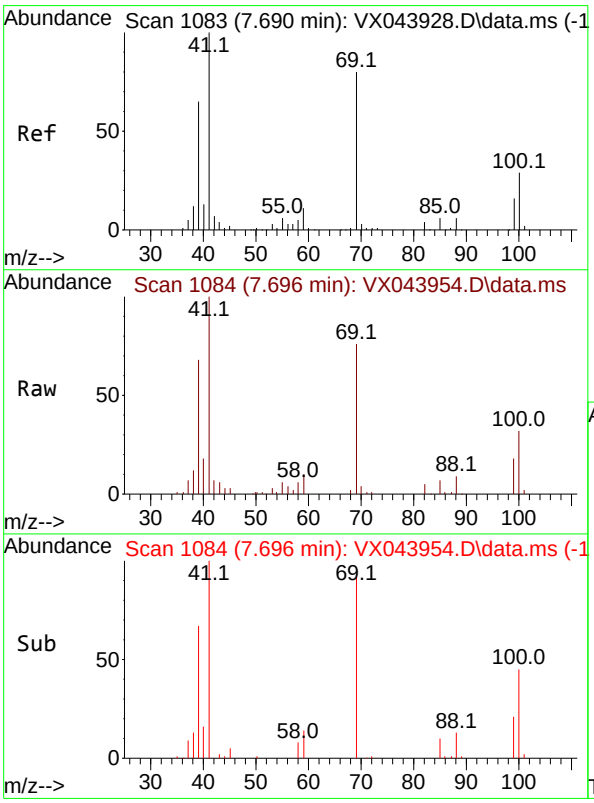
#47
Bromodichloromethane
Concen: 20.524 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 83 Resp: 38744

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.4	77.0
127	8.8	6.6	10.0

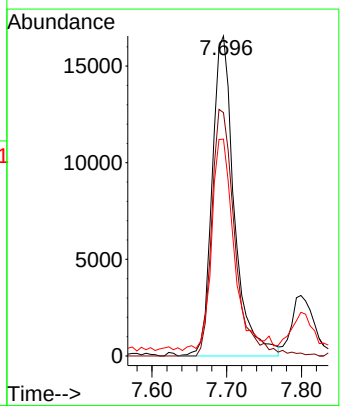


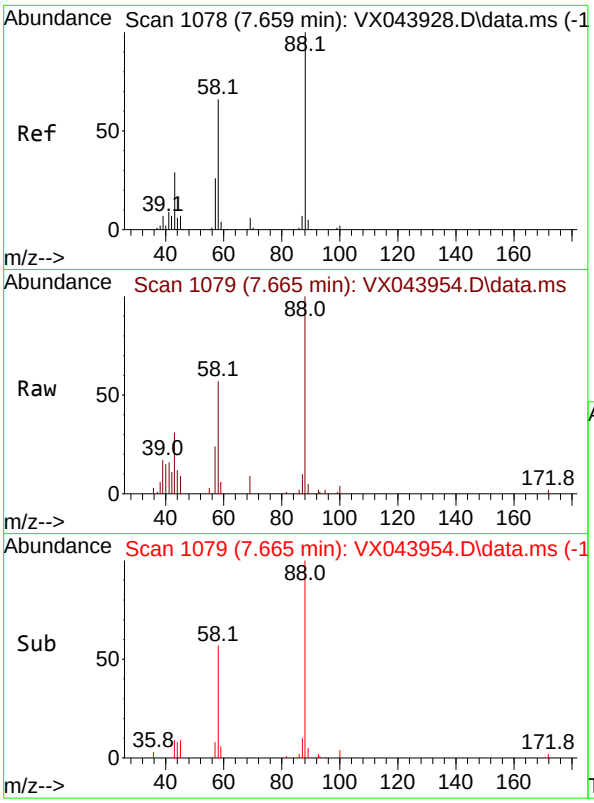


#48
Methyl methacrylate
Concen: 20.644 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 34130

Ion	Ratio	Lower	Upper
41	100		
69	80.2	64.6	97.0
39	67.1	53.3	79.9



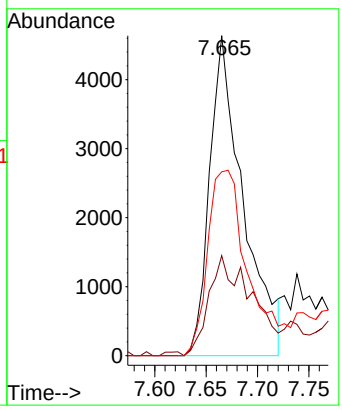


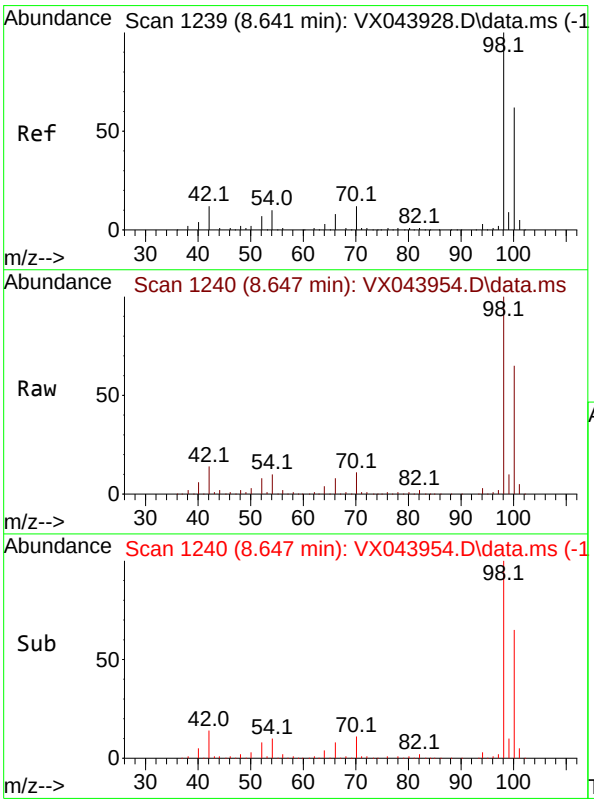
#49
1,4-Dioxane
Concen: 357.698 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 88 Resp: 10534

Ion	Ratio	Lower	Upper
88	100		
43	40.0	26.8	40.2
58	71.2	45.4	68.2#

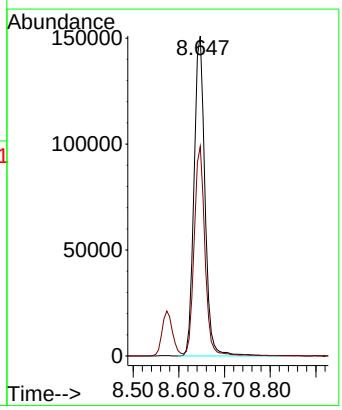


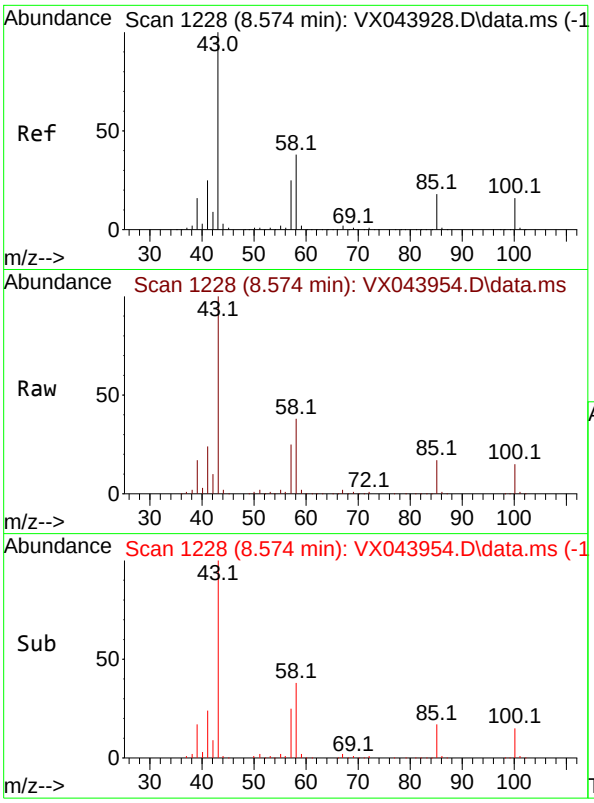


#50
Toluene-d8
Concen: 51.950 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 98 Resp: 250635

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.6	79.0



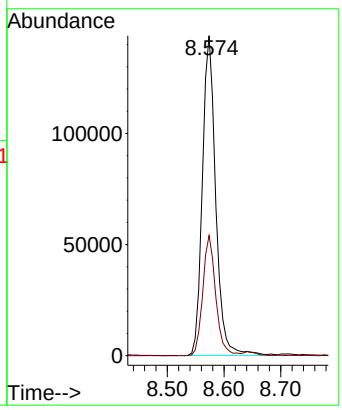


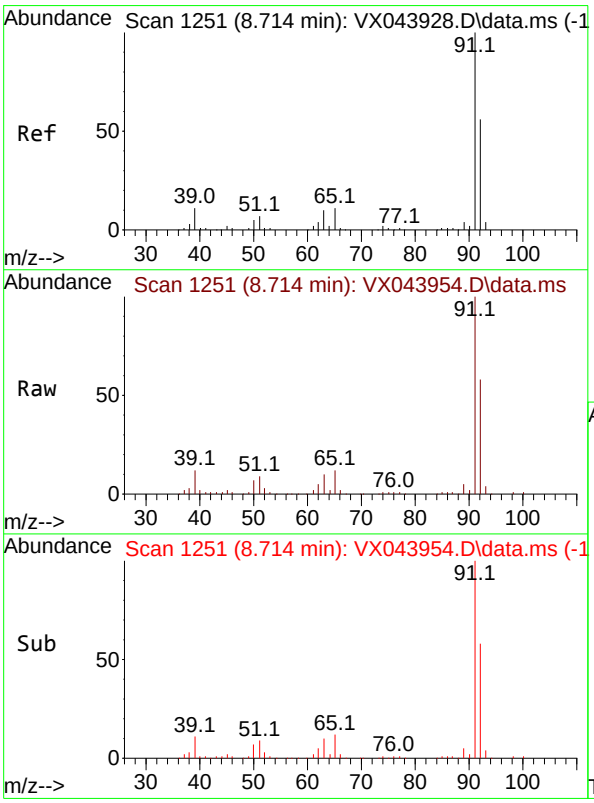
#51
4-Methyl-2-Pentanone
Concen: 112.638 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 43 Resp: 236829

Ion	Ratio	Lower	Upper
43	100		
58	36.4	30.0	45.0

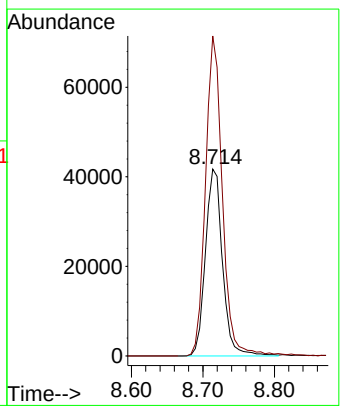


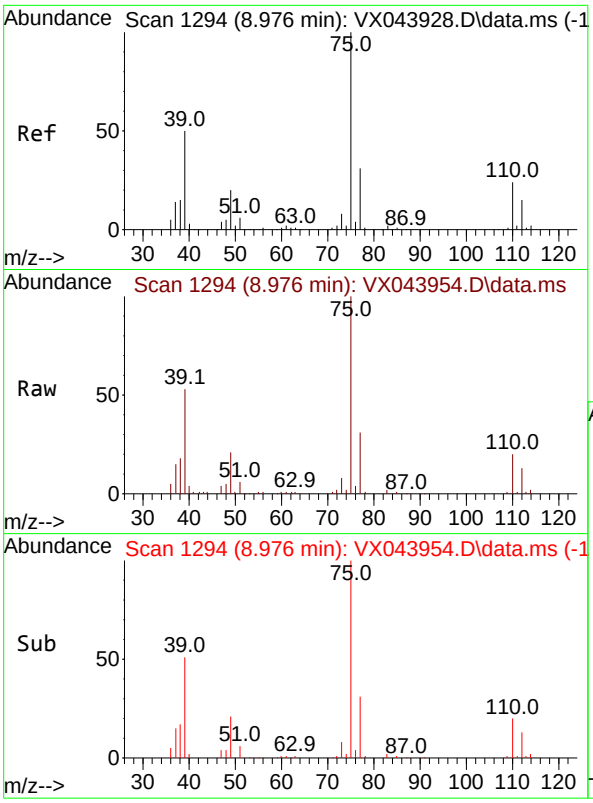


#52
Toluene
Concen: 21.356 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 92 Resp: 69441

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.7	209.5



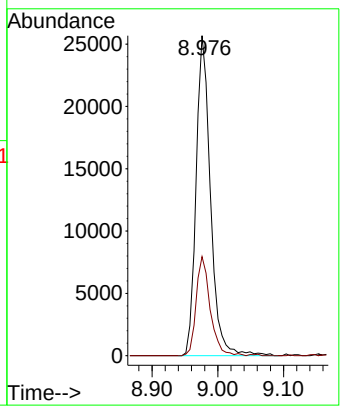


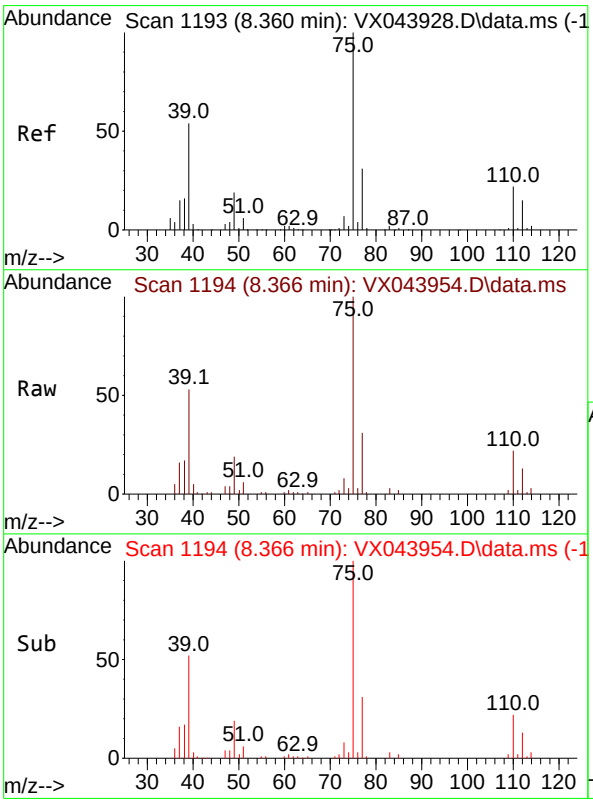
#53
t-1,3-Dichloropropene
Concen: 20.285 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 75 Resp: 39050

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7

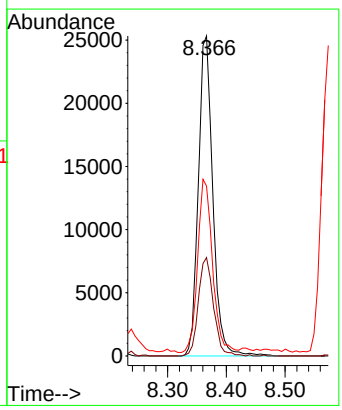


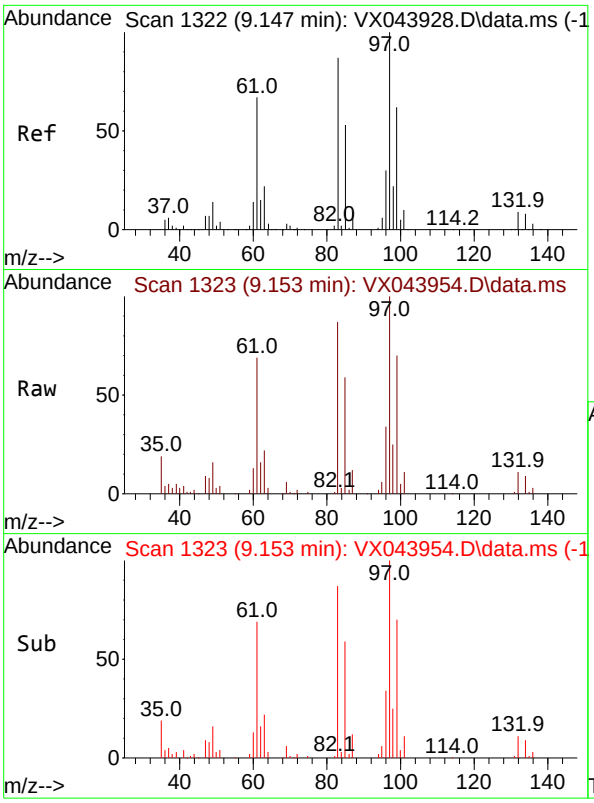


#54
cis-1,3-Dichloropropene
Concen: 20.580 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 43430

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	52.0	43.1	64.7



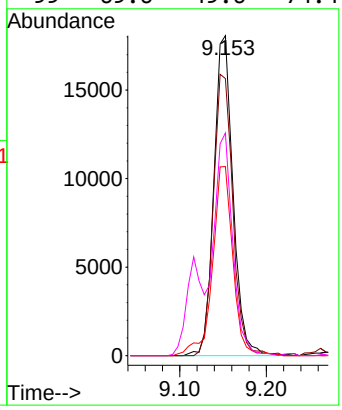


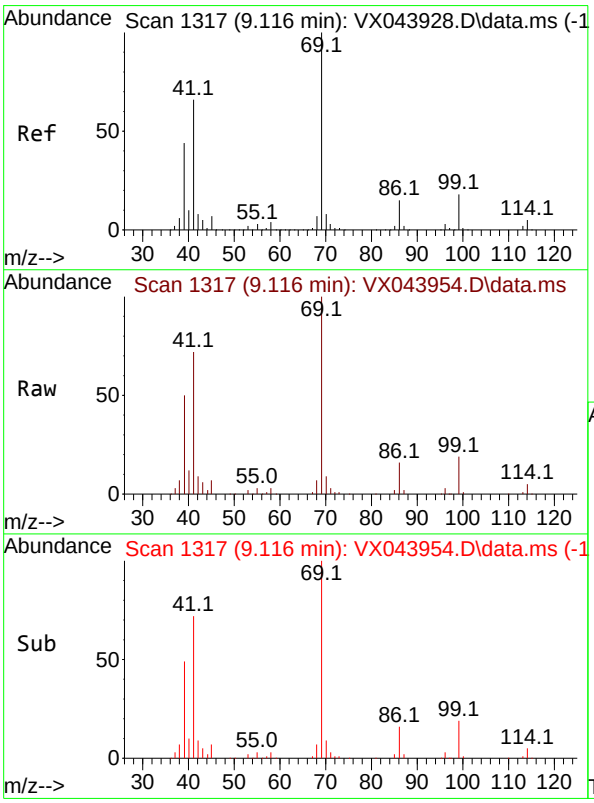
#55
1,1,2-Trichloroethane
Concen: 20.697 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 97 Resp: 27781

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.0
85	58.8	42.3	63.5
99	69.6	49.6	74.4

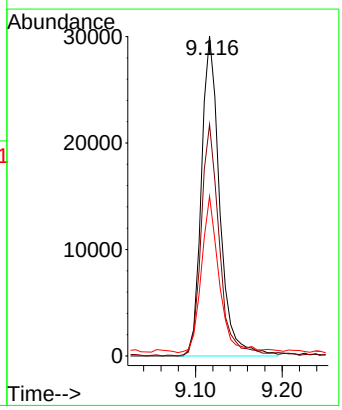


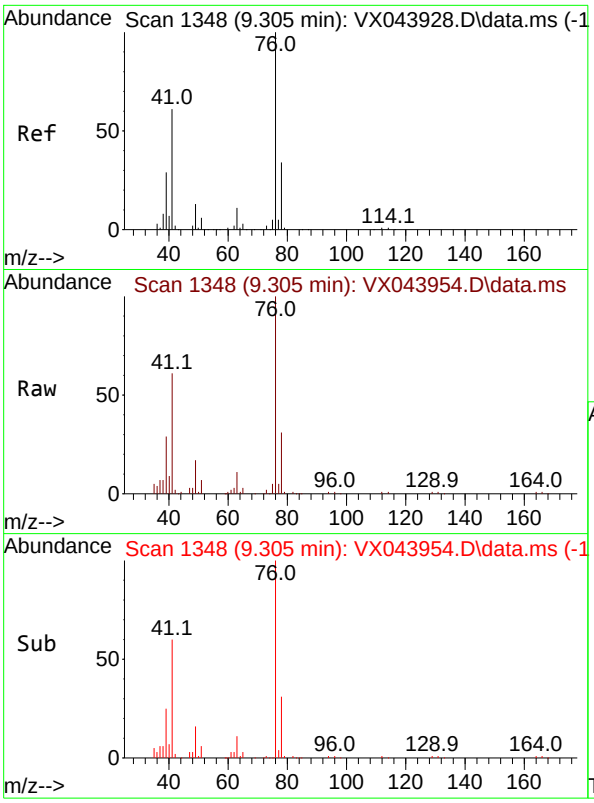


#56
Ethyl methacrylate
Concen: 21.098 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 69 Resp: 44109

Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.8	83.8
39	47.9	36.7	55.1



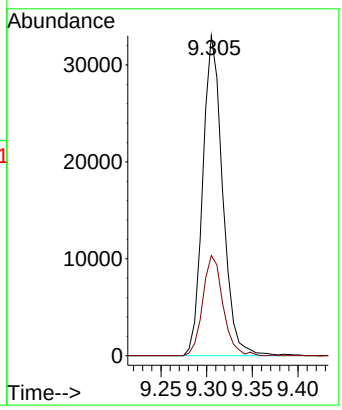


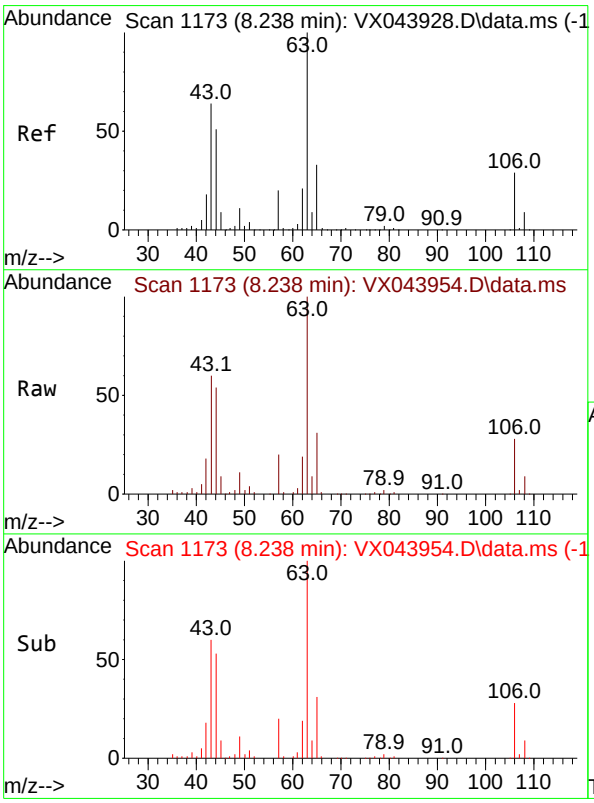
#57
1,3-Dichloropropane
Concen: 22.042 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 76 Resp: 49838

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.0	39.0

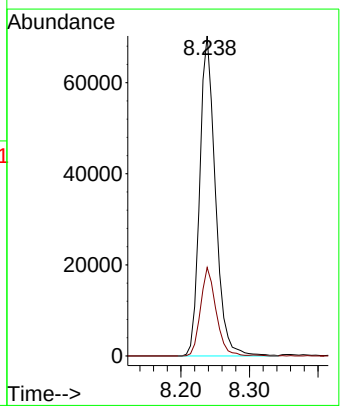


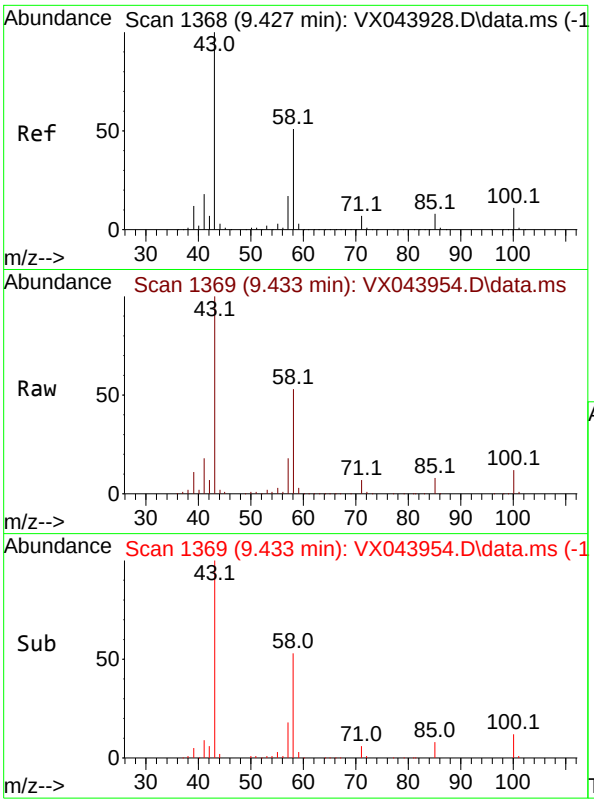


#58
2-Chloroethyl Vinyl ether
Concen: 97.143 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 112089

Ion	Ratio	Lower	Upper
63	100		
106	27.3	23.0	34.6



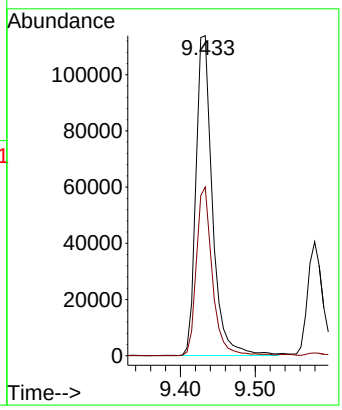


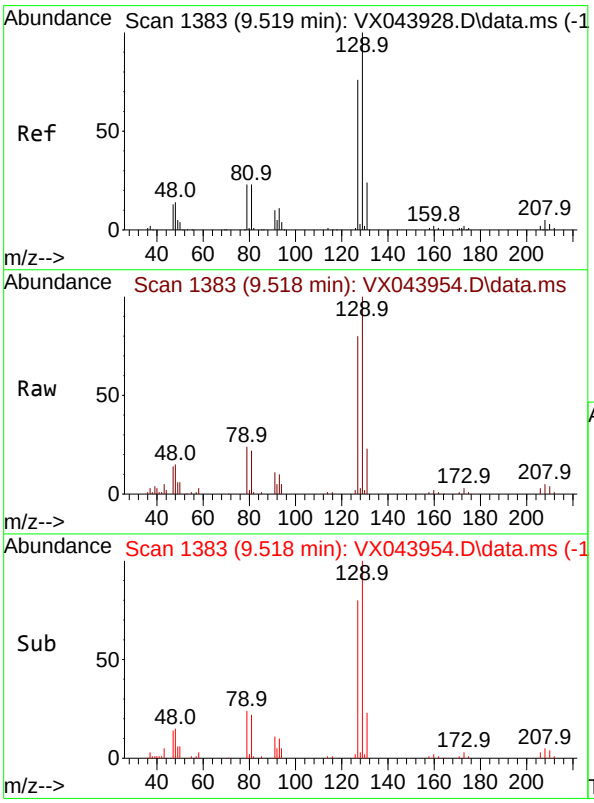
#59
2-Hexanone
Concen: 110.568 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 43 Resp: 174736

Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6

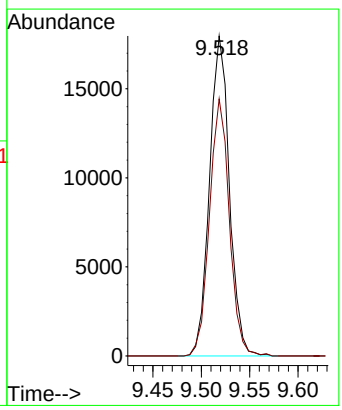


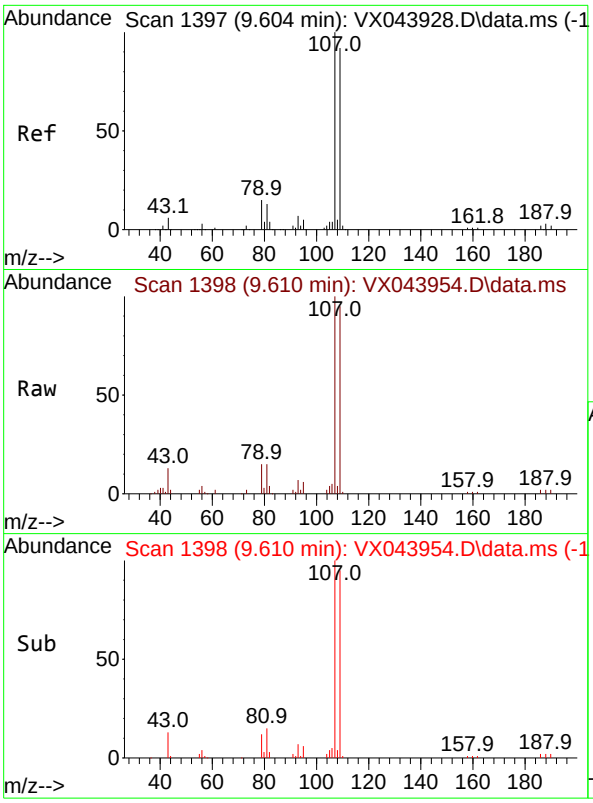


#60
Dibromochloromethane
Concen: 19.071 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:129 Resp: 25683

Ion	Ratio	Lower	Upper
129	100		
127	80.5	38.2	114.6



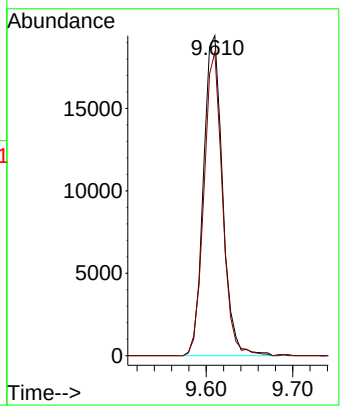


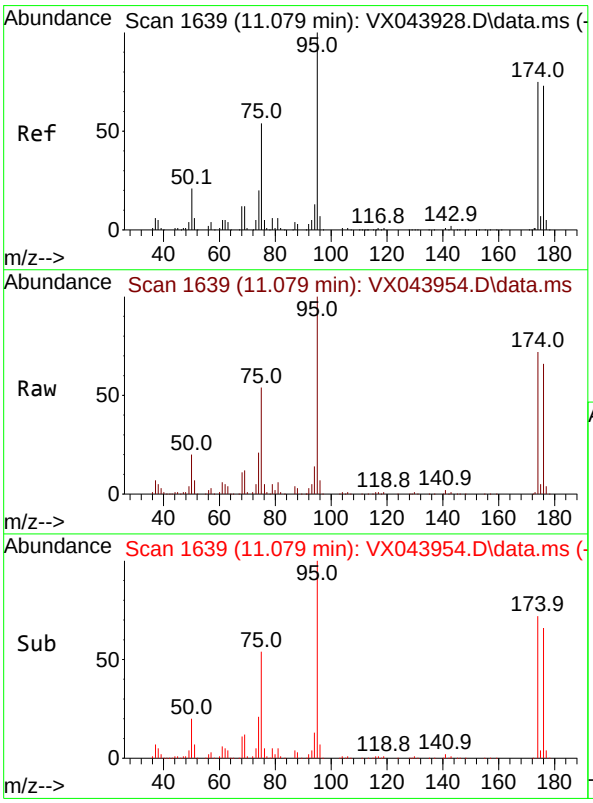
#61
1,2-Dibromoethane
Concen: 21.936 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:107 Resp: 29772

Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.2	112.8

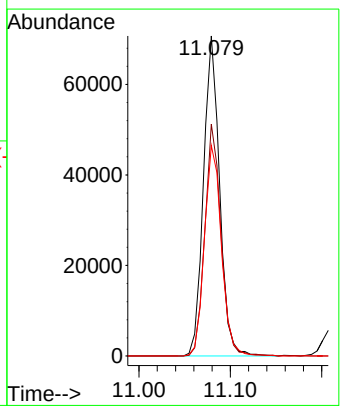


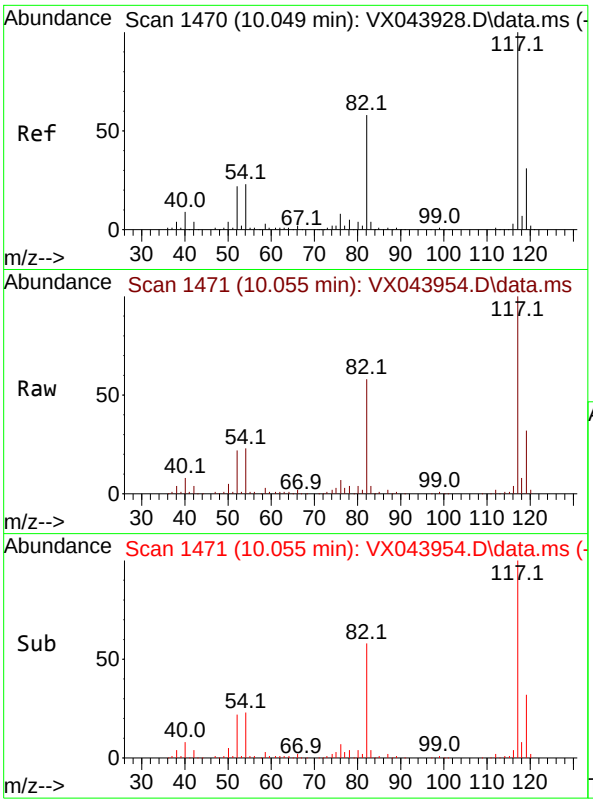


#62
4-Bromofluorobenzene
Concen: 52.669 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 95 Resp: 86479

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	150.4
176	69.4	0.0	146.0



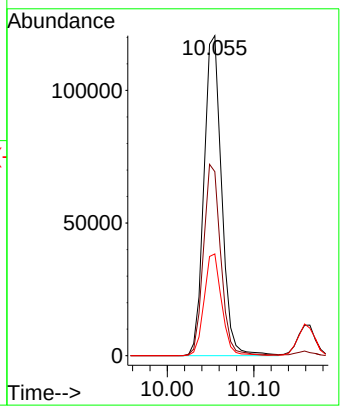


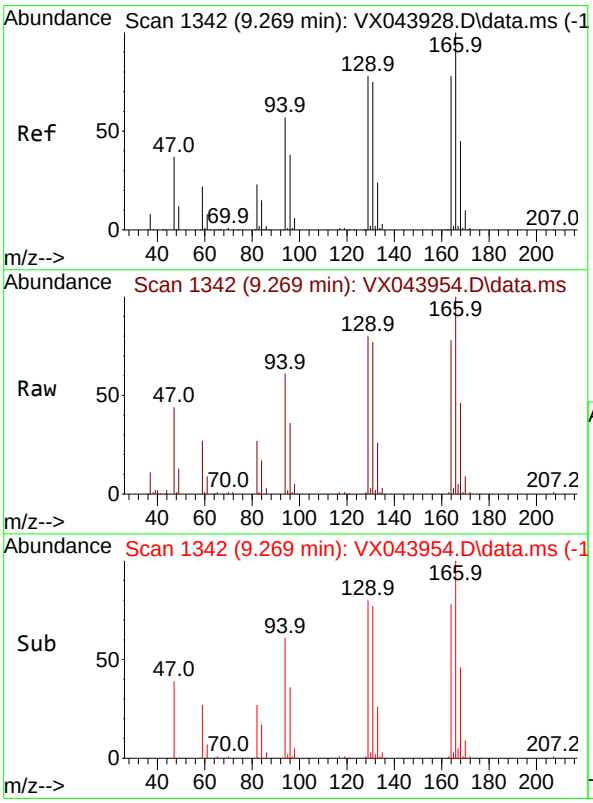
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:117 Resp: 171011

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.4	69.6
119	31.8	24.6	37.0

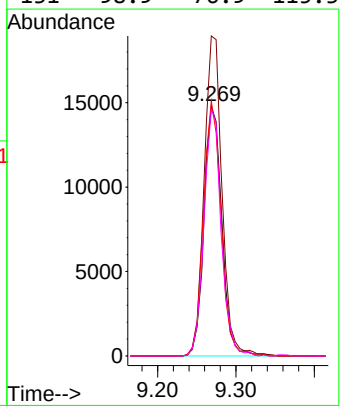


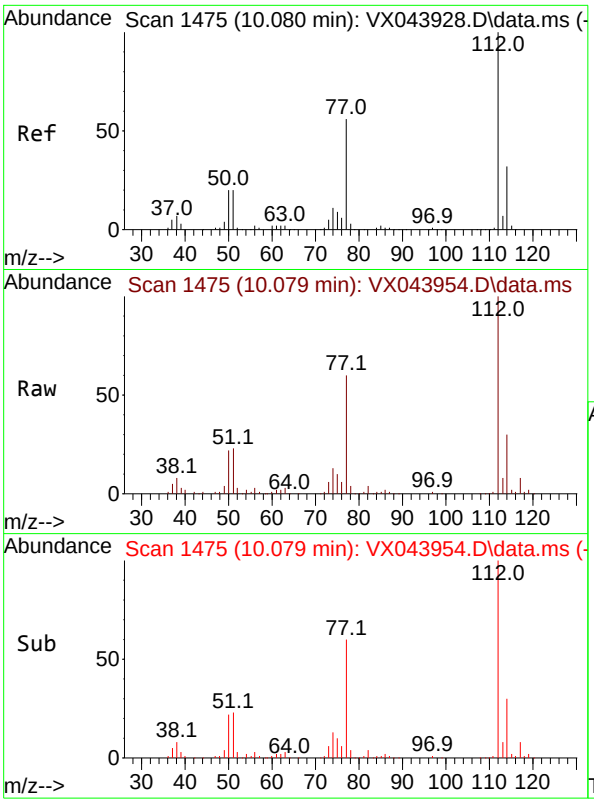


#64
Tetrachloroethene
Concen: 20.722 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:164 Resp: 23366

Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.1	153.1
129	102.0	79.6	119.4
131	98.9	76.9	115.3



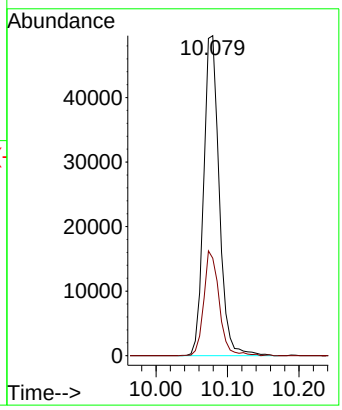


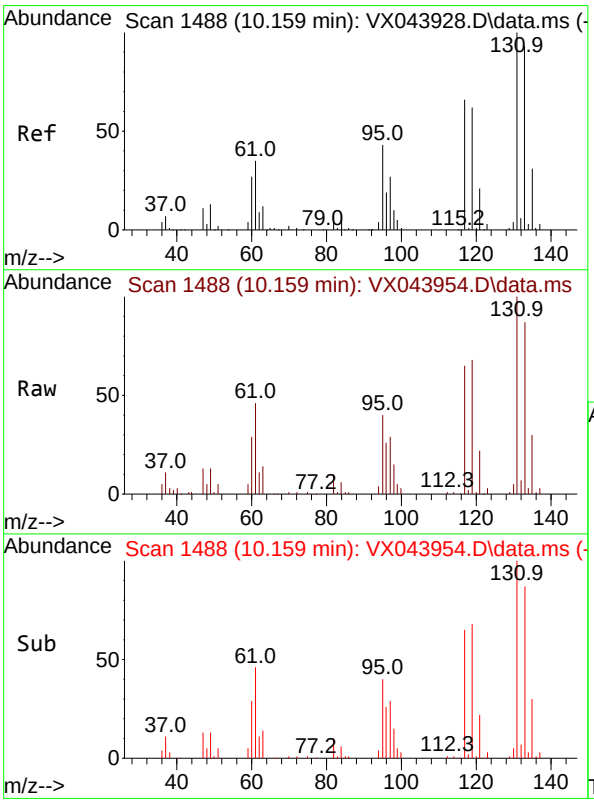
#65
Chlorobenzene
Concen: 19.949 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:112 Resp: 74928

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.4	38.0

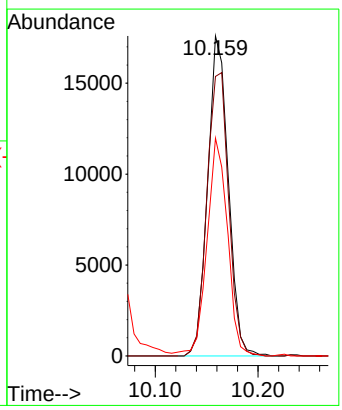


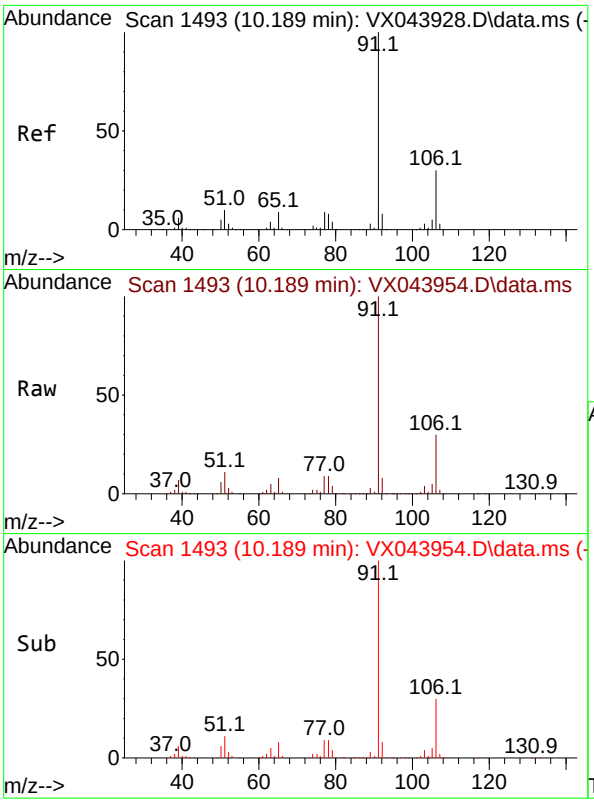


#66
1,1,1,2-Tetrachloroethane
Concen: 20.143 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:131 Resp: 24536

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.2	144.6
119	67.5	31.5	94.5



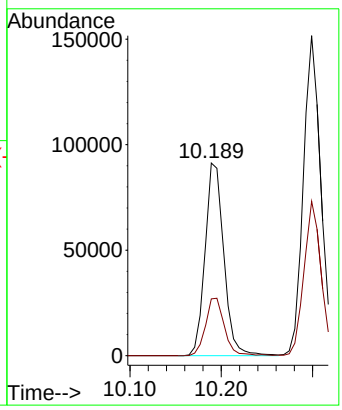


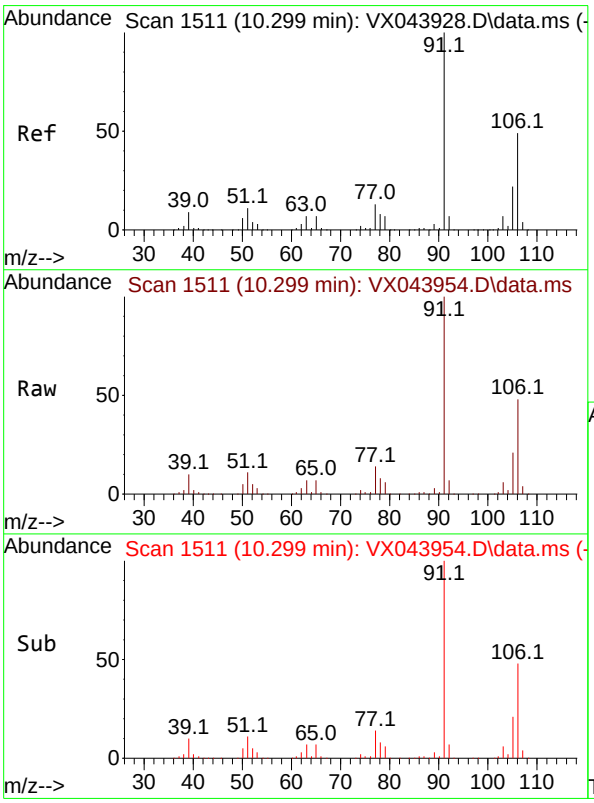
#67
Ethyl Benzene
Concen: 20.429 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 91 Resp: 130020

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.6	35.4

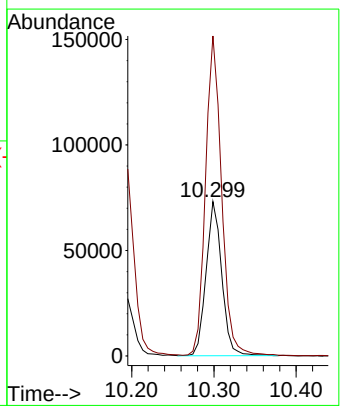


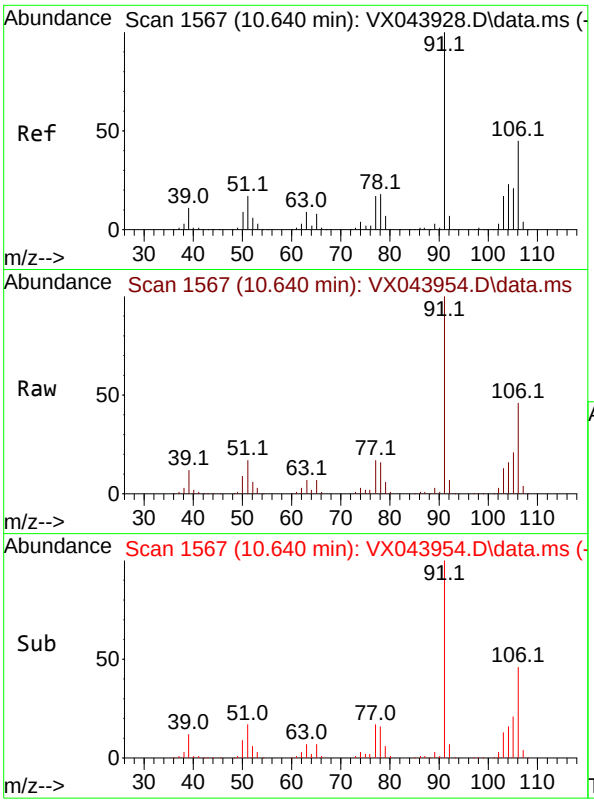


#68
m/p-Xylenes
Concen: 40.881 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:106 Resp: 97028

Ion	Ratio	Lower	Upper
106	100		
91	212.2	168.1	252.1



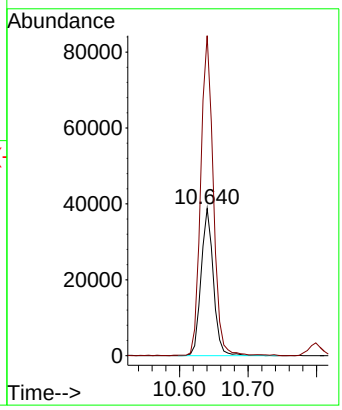


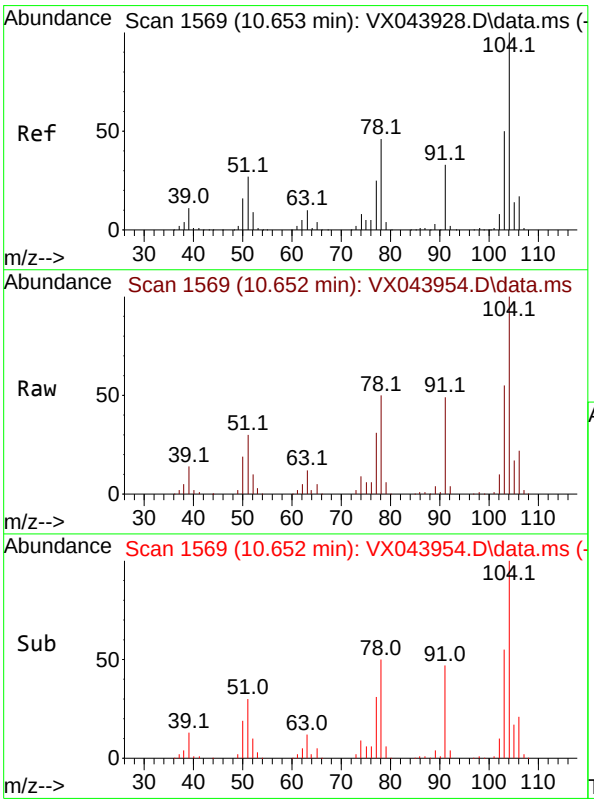
#69
o-Xylene
Concen: 20.920 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:106 Resp: 48479

Ion	Ratio	Lower	Upper
106	100		
91	222.2	110.2	330.6

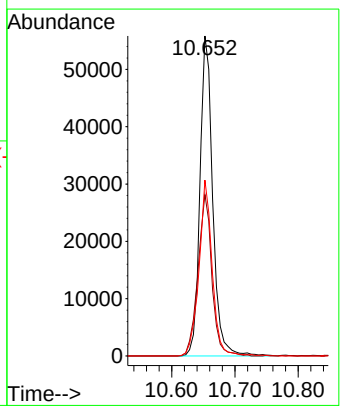


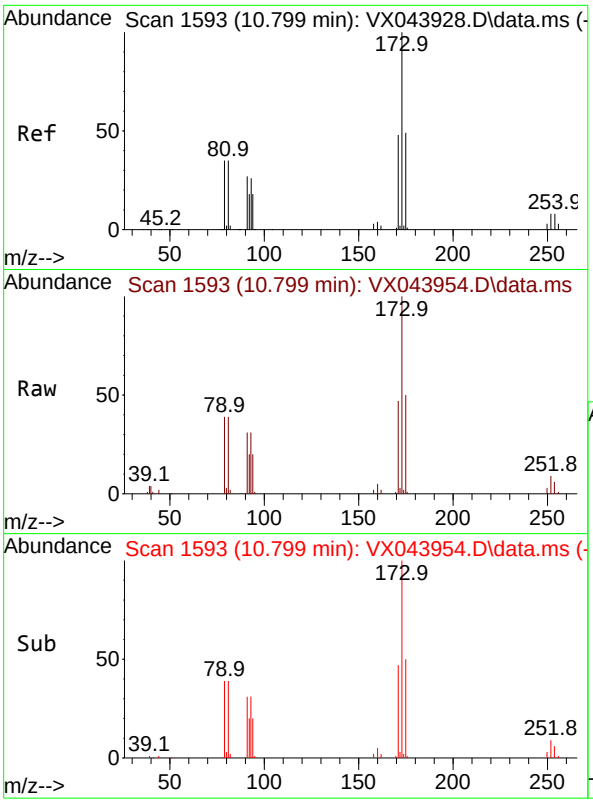


#70
Styrene
Concen: 20.503 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:104 Resp: 78583

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.2	63.2
103	56.9	44.7	67.1



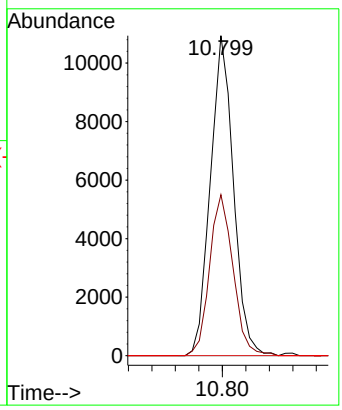


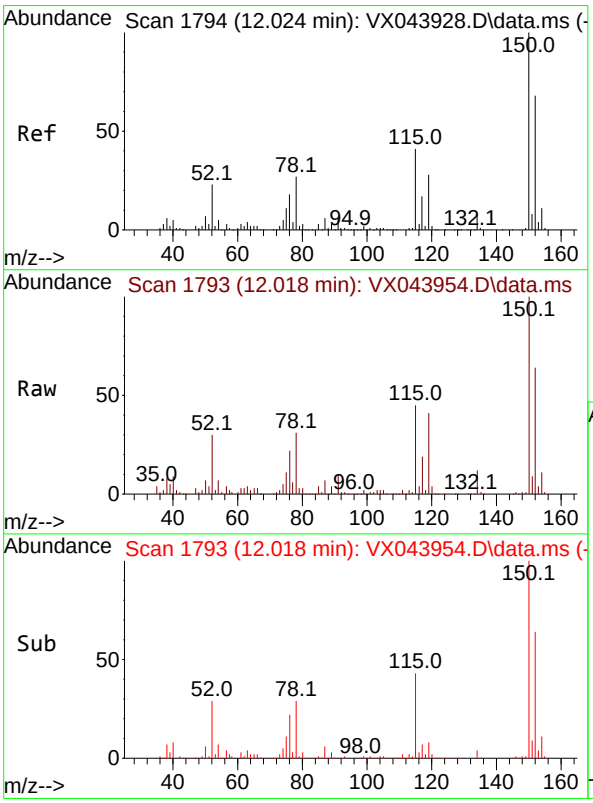
#71
Bromoform
Concen: 17.533 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:173 Resp: 14931

Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.1	72.2
254	0.0	0.0	0.0

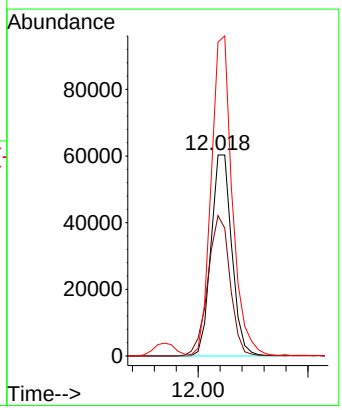


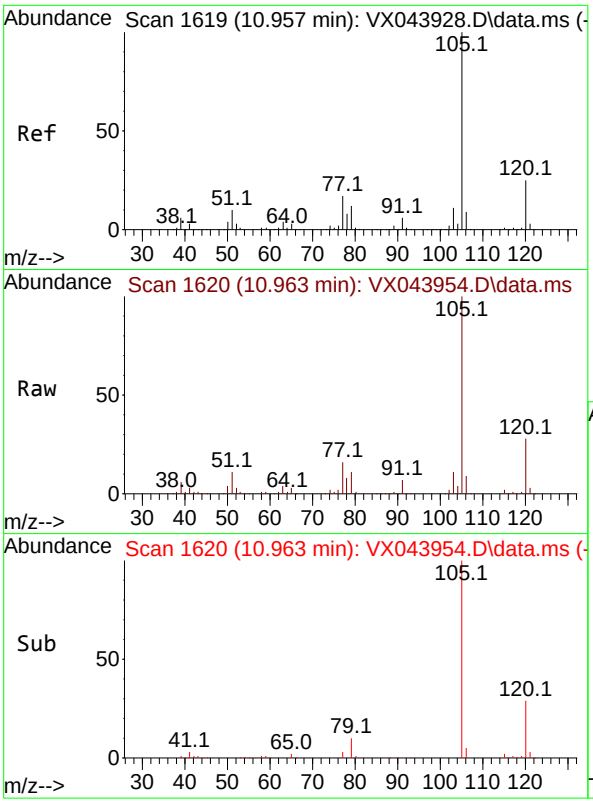


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:152 Resp: 79397

Ion	Ratio	Lower	Upper
152	100		
115	74.4	45.4	136.2
150	161.9	0.0	353.0



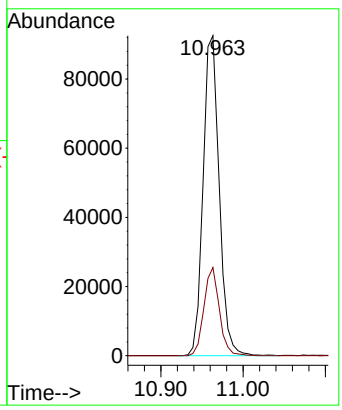


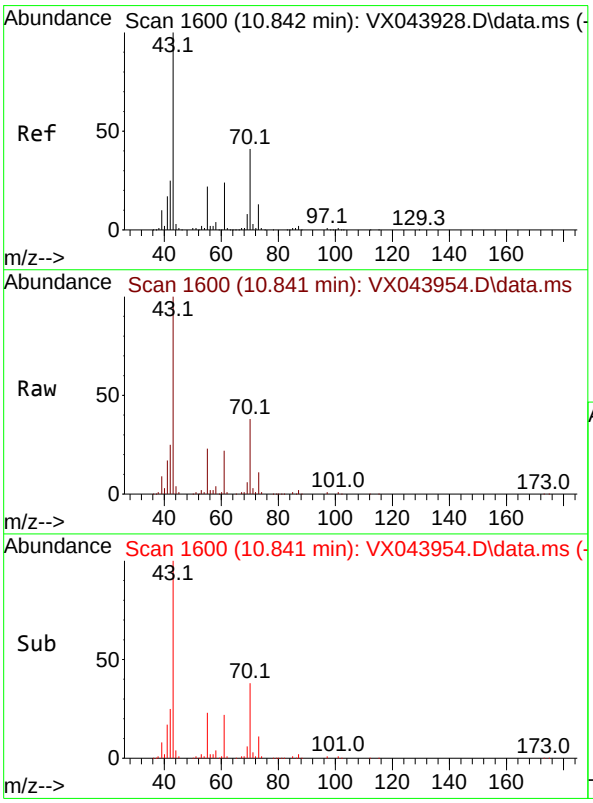
#73
Isopropylbenzene
Concen: 20.617 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:105 Resp: 125832

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	38.9

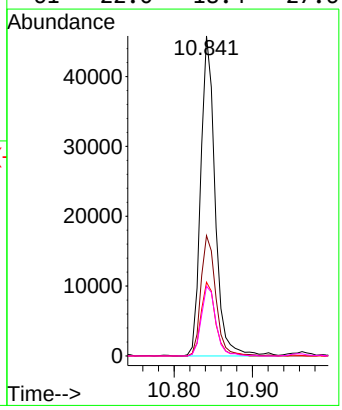


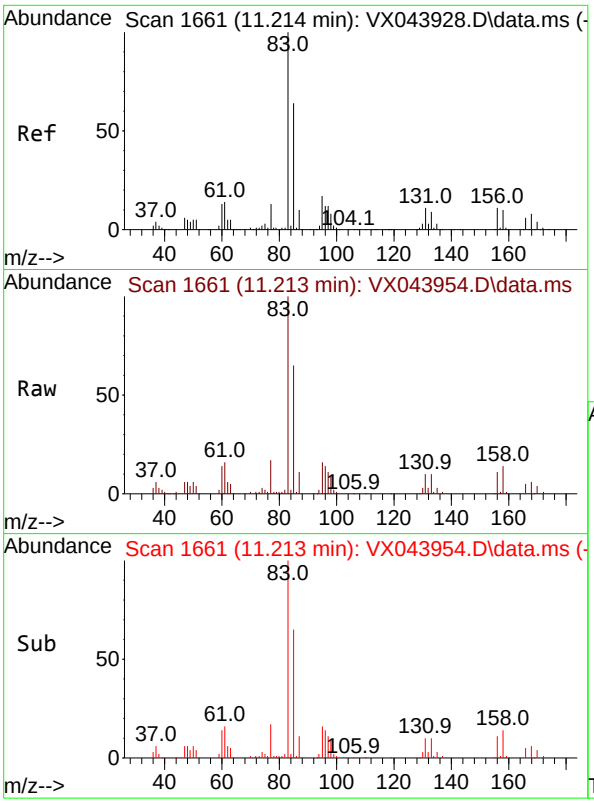


#74
N-amyl acetate
Concen: 20.692 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 58504

Ion	Ratio	Lower	Upper
43	100		
70	38.7	32.2	48.2
55	23.3	18.1	27.1
61	22.0	18.4	27.6



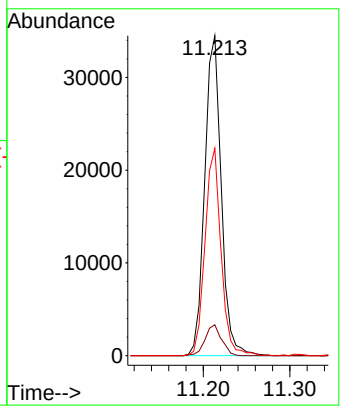


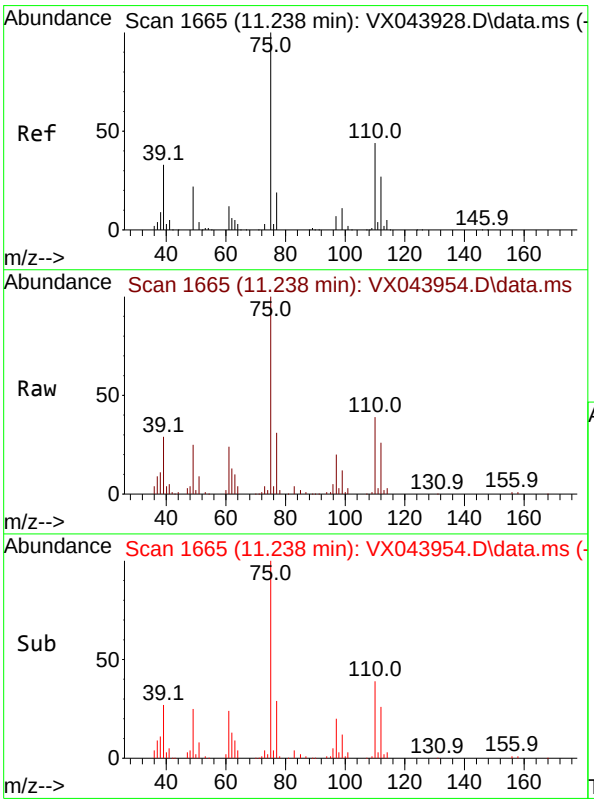
#75
1,1,2,2-Tetrachloroethane
Concen: 21.909 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 83 Resp: 45786

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.2
85	62.7	32.2	96.6

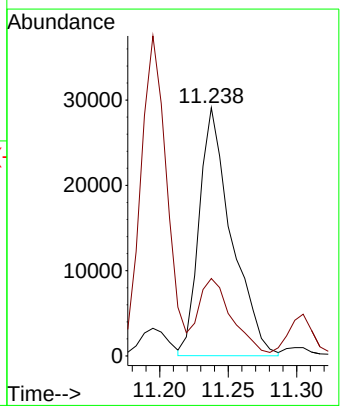


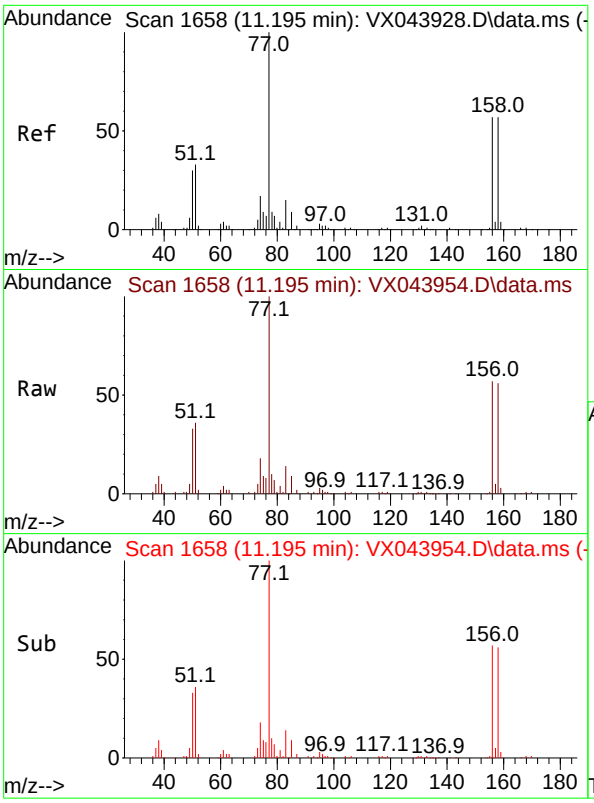


#76
1,2,3-Trichloropropane
Concen: 27.402 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 47712

Ion	Ratio	Lower	Upper
75	100		
77	32.5	21.8	65.3



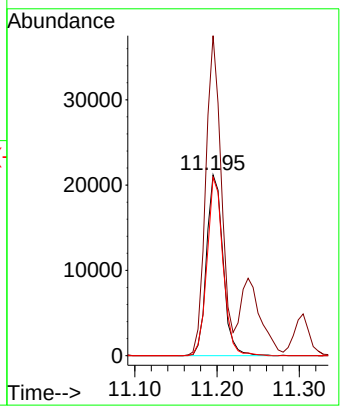


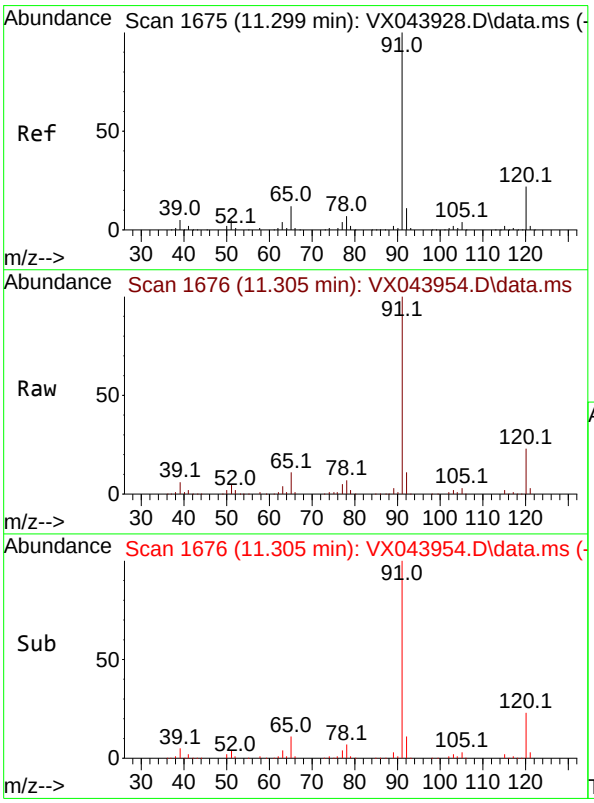
#77
Bromobenzene
Concen: 20.201 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:156 Resp: 29411

Ion	Ratio	Lower	Upper
156	100		
77	168.8	83.4	250.1
158	96.3	47.6	142.8

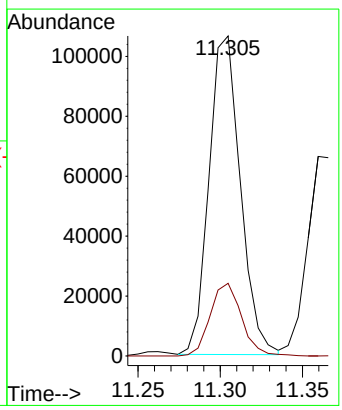


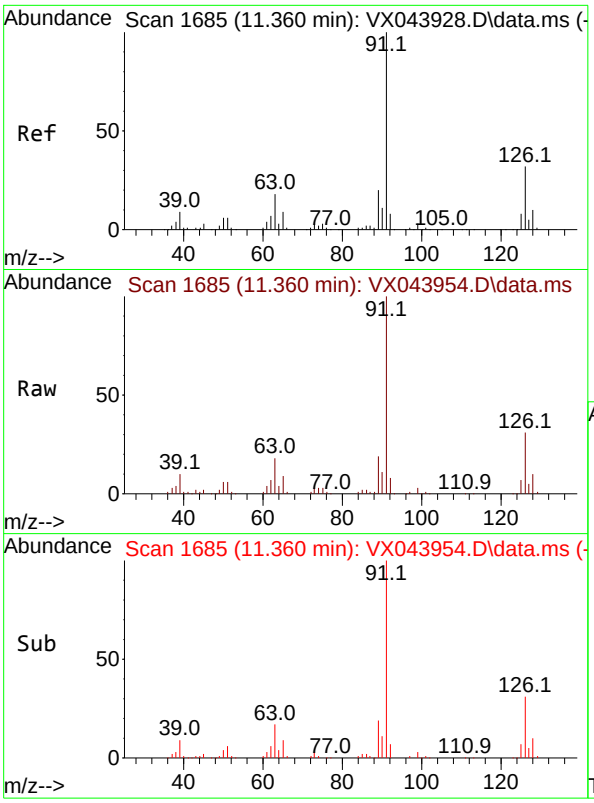


#78
n-propylbenzene
Concen: 20.700 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 141102

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4



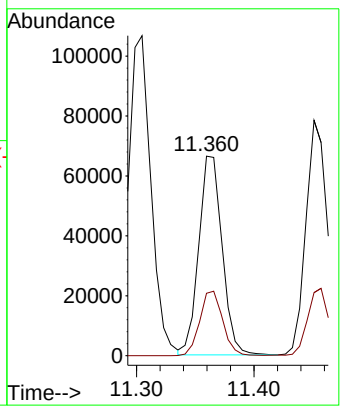


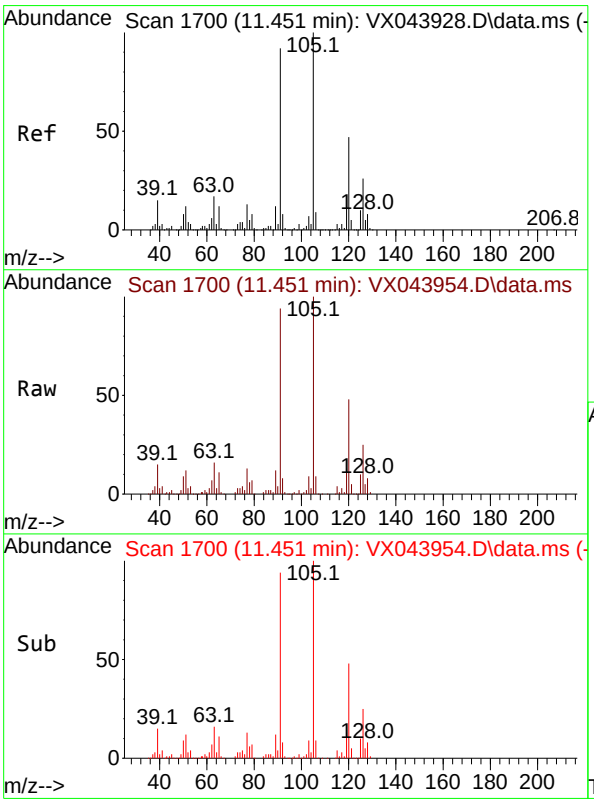
#79
2-Chlorotoluene
Concen: 21.366 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 91 Resp: 92095

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.8

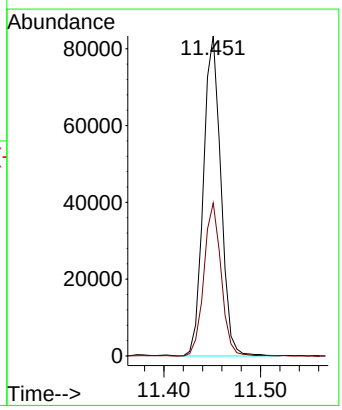


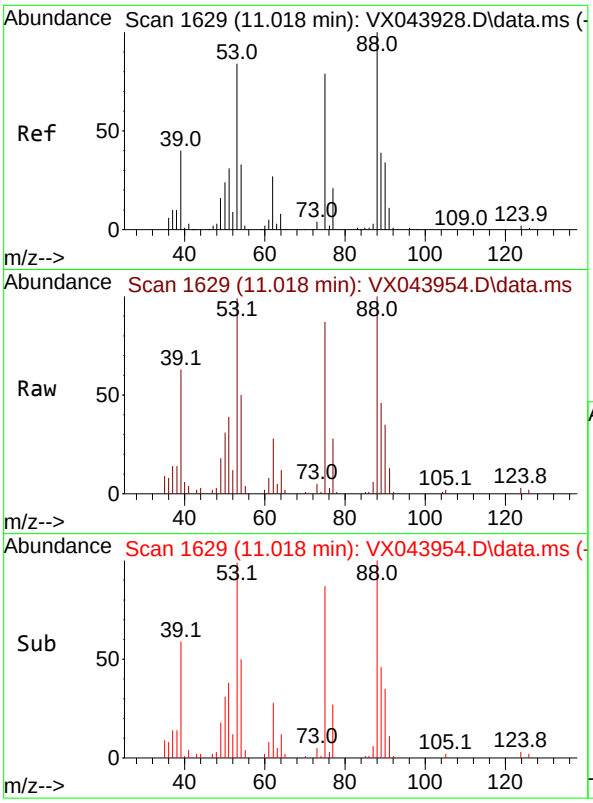


#80
1,3,5-Trimethylbenzene
Concen: 20.914 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 105010

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.3	69.8



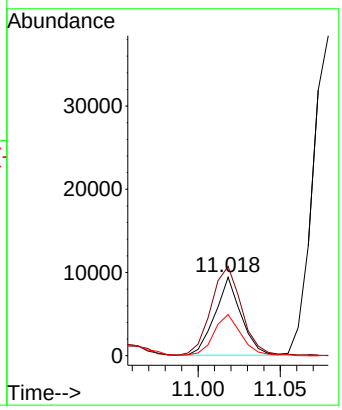


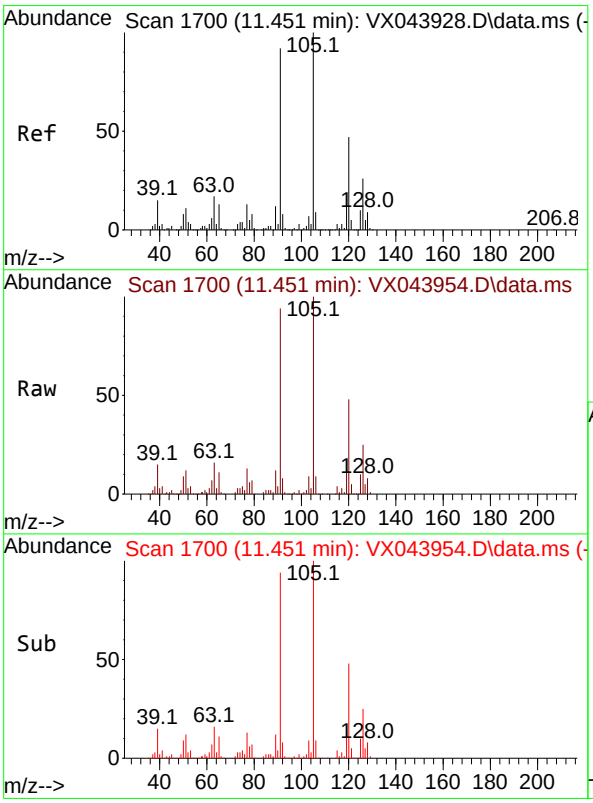
#81
trans-1,4-Dichloro-2-butene
Concen: 16.224 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 75 Resp: 10352

Ion	Ratio	Lower	Upper
75	100		
53	136.0	86.7	130.1#
89	55.7	38.2	57.2

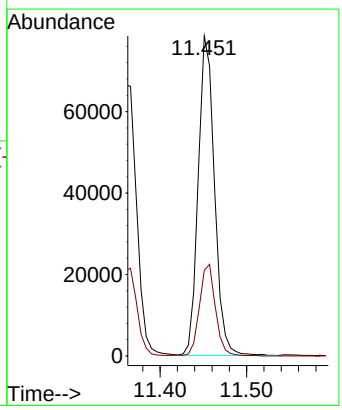


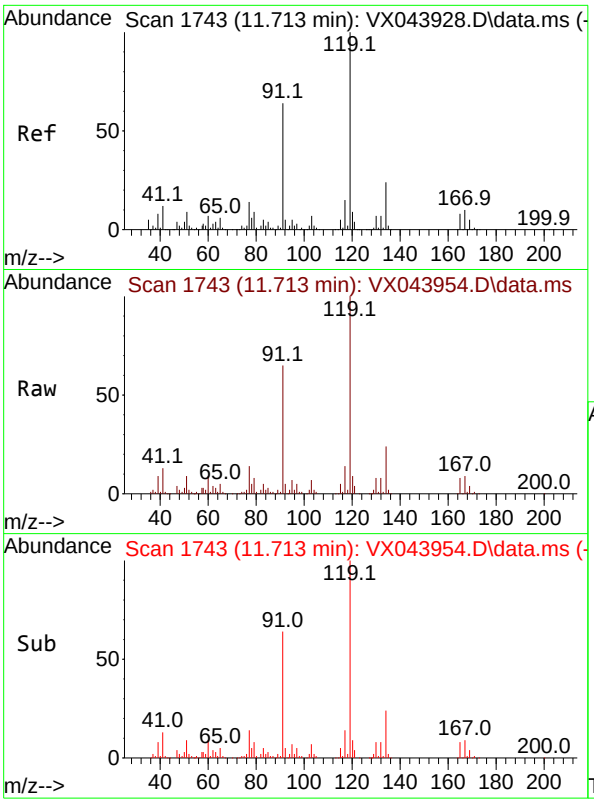


#82
4-Chlorotoluene
Concen: 21.075 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 102553

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.3	42.9



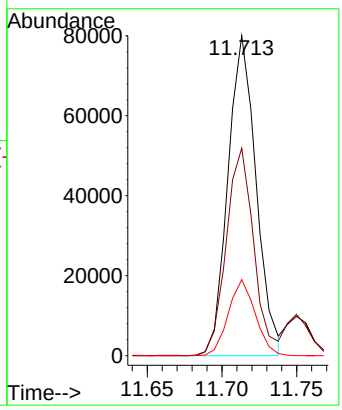


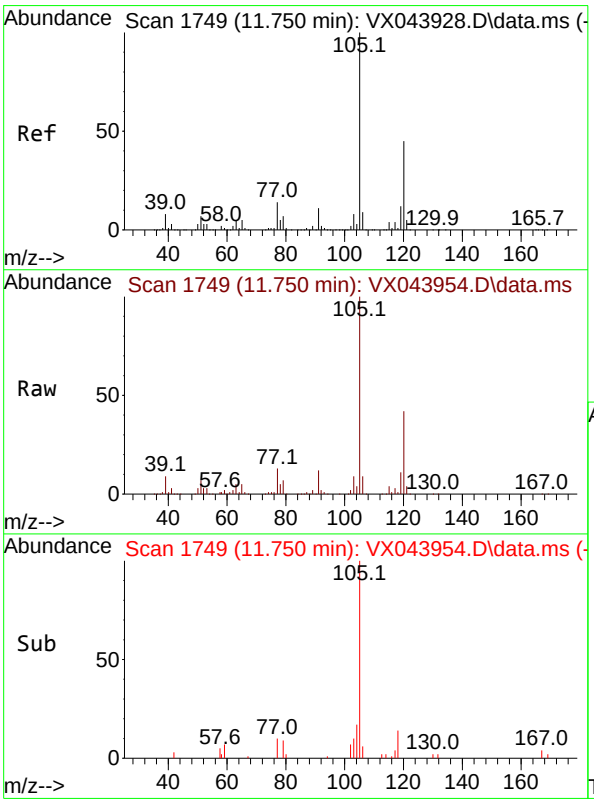
#83
tert-Butylbenzene
Concen: 21.086 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:119 Resp: 104939

Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.0	93.0
134	22.8	11.6	34.8

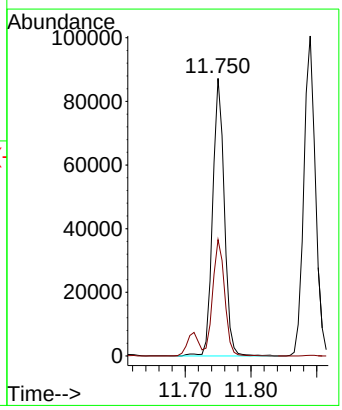


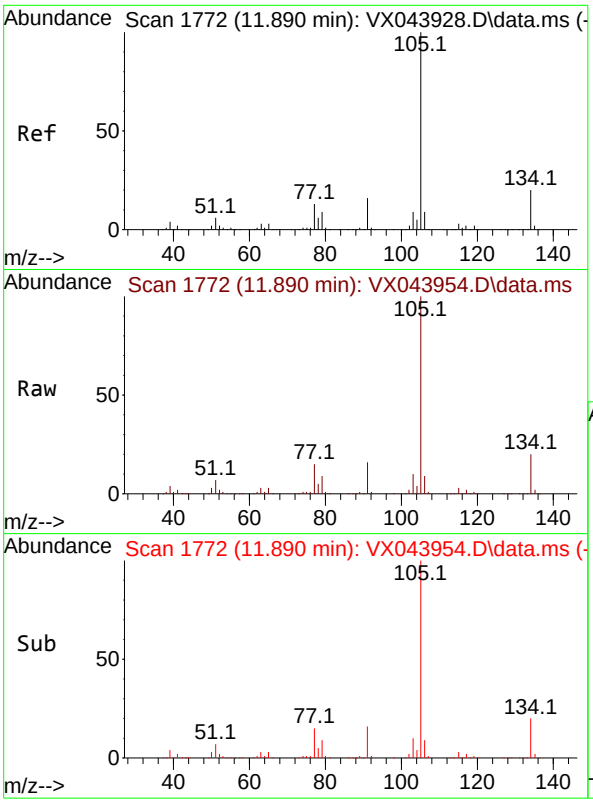


#84
1,2,4-Trimethylbenzene
Concen: 21.541 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 107681

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.7



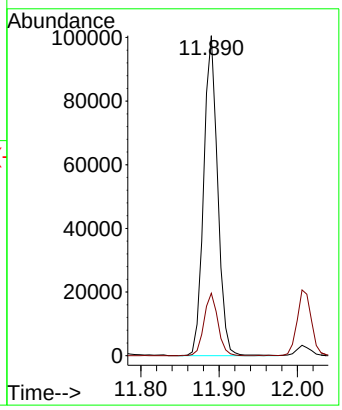


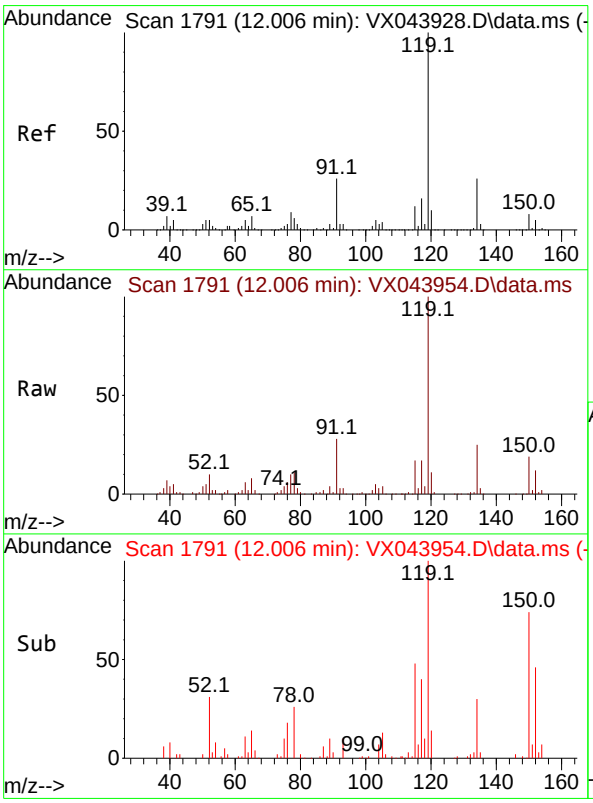
#85
sec-Butylbenzene
Concen: 20.336 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:105 Resp: 124001

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

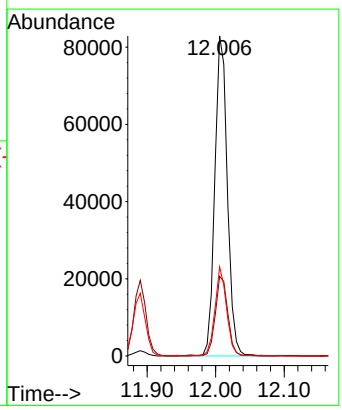


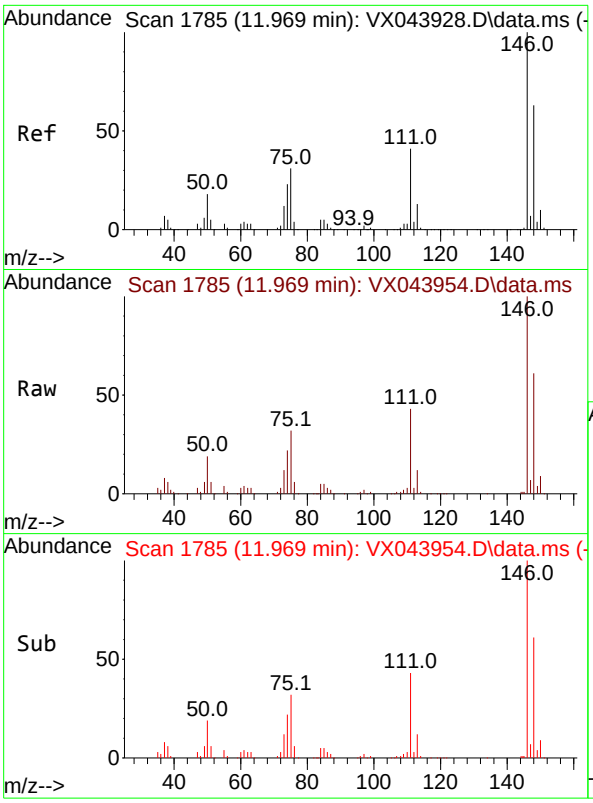


#86
p-Isopropyltoluene
Concen: 21.303 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:119 Resp: 105513

Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	38.9
91	25.8	13.0	38.9



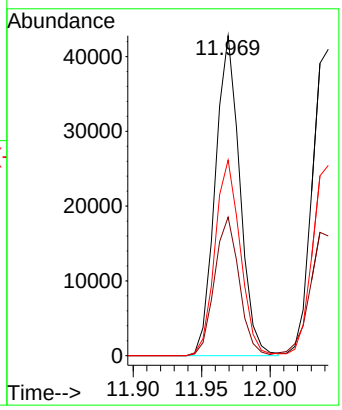


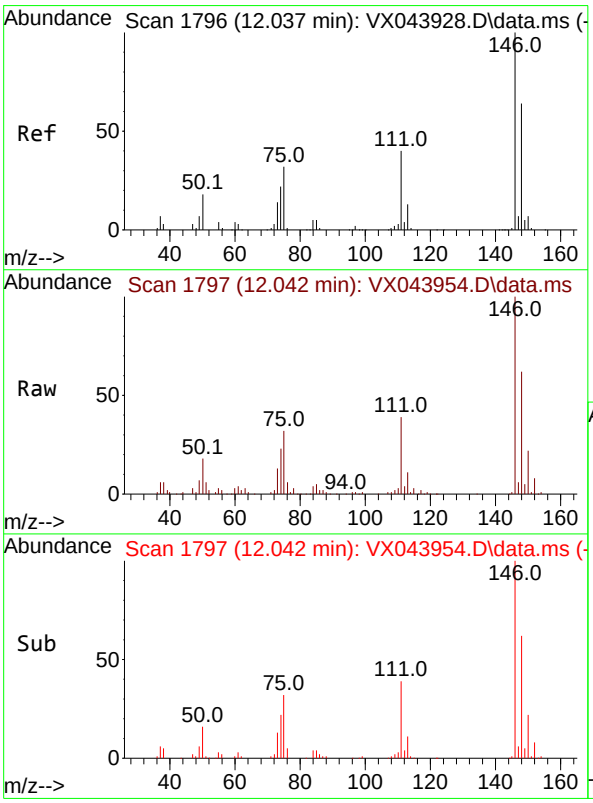
#87
1,3-Dichlorobenzene
Concen: 20.061 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:146 Resp: 53195

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.3
148	63.3	31.7	95.1

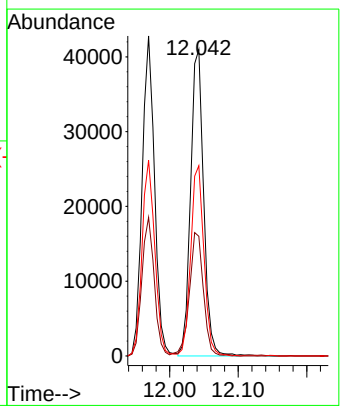


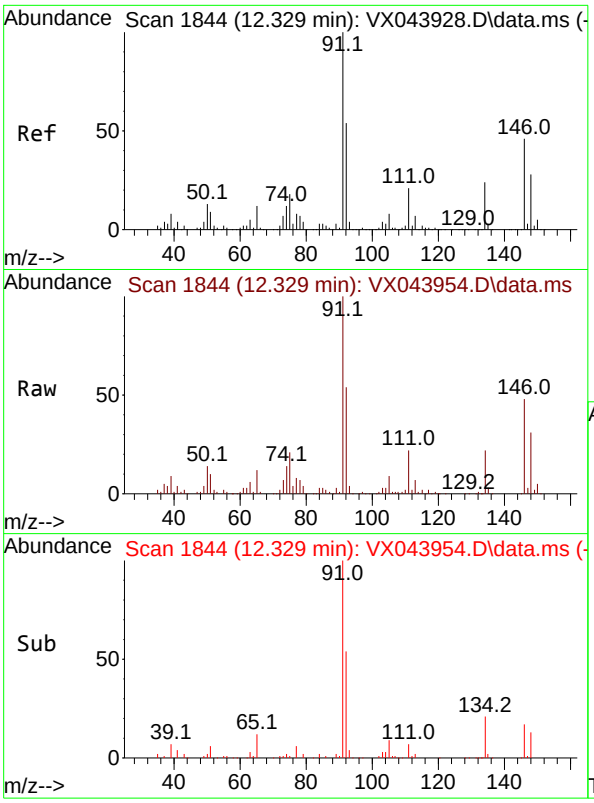


#88
1,4-Dichlorobenzene
Concen: 20.076 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:146 Resp: 54275

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.1	60.3
148	62.9	30.9	92.8



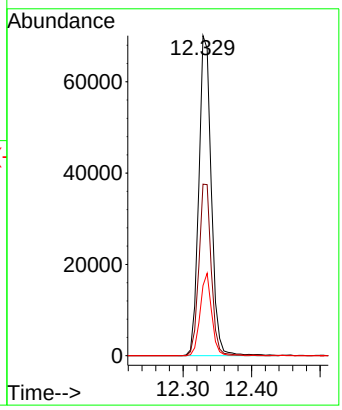


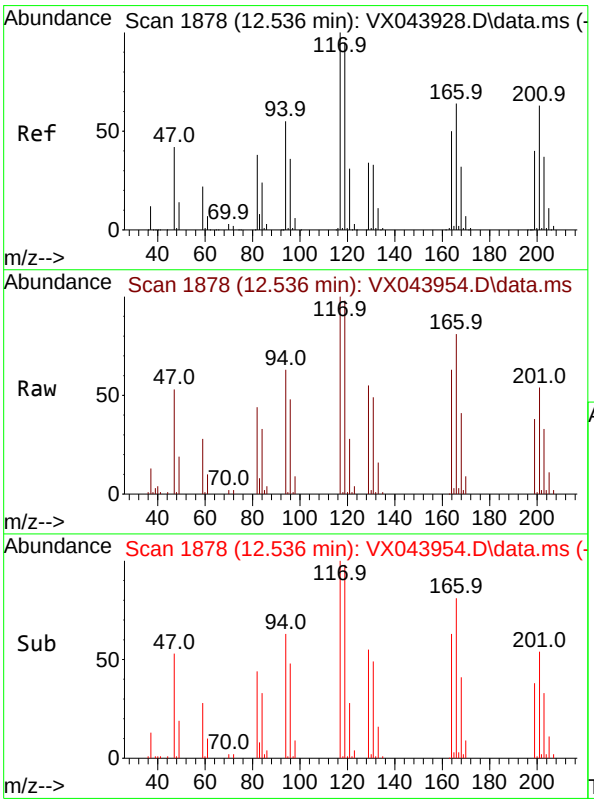
#89
n-Butylbenzene
Concen: 20.384 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion: 91 Resp: 89016

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.8
134	23.4	12.4	37.2

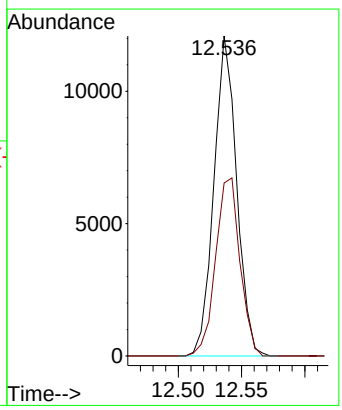


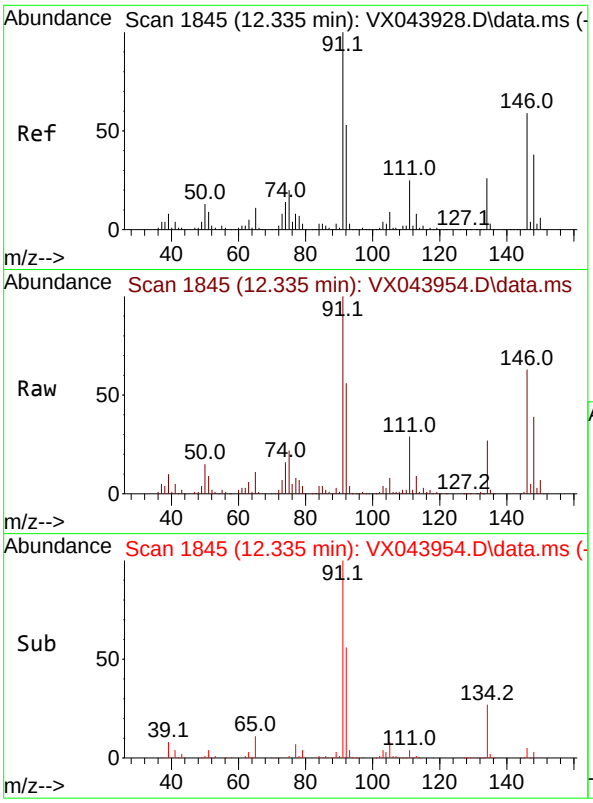


#90
Hexachloroethane
Concen: 17.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:117 Resp: 15072

Ion	Ratio	Lower	Upper
117	100		
201	59.8	32.4	97.0



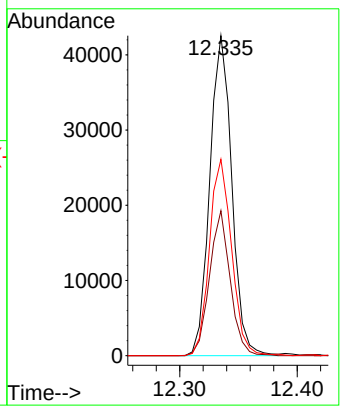


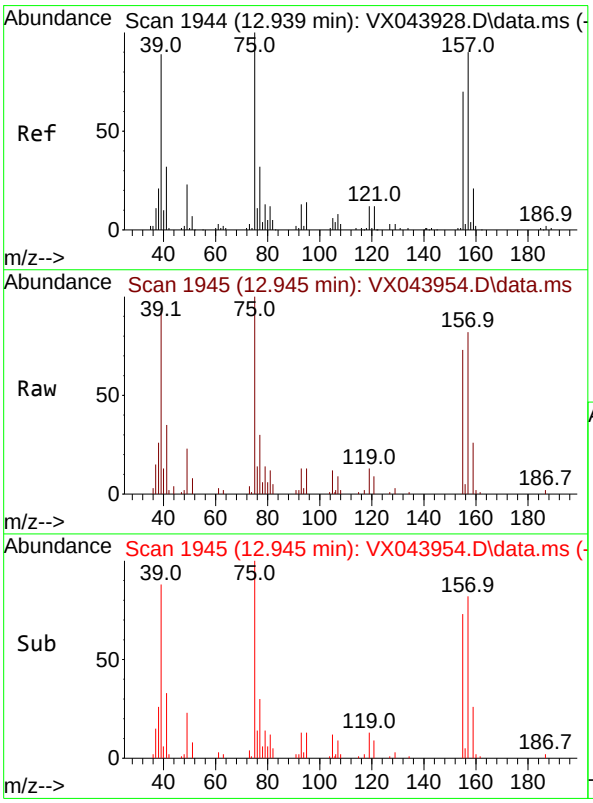
#91
1,2-Dichlorobenzene
Concen: 20.688 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:146 Resp: 55361

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	62.1	31.9	95.5

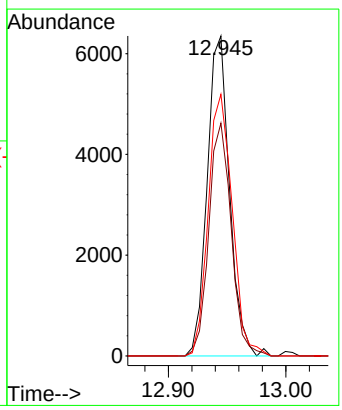


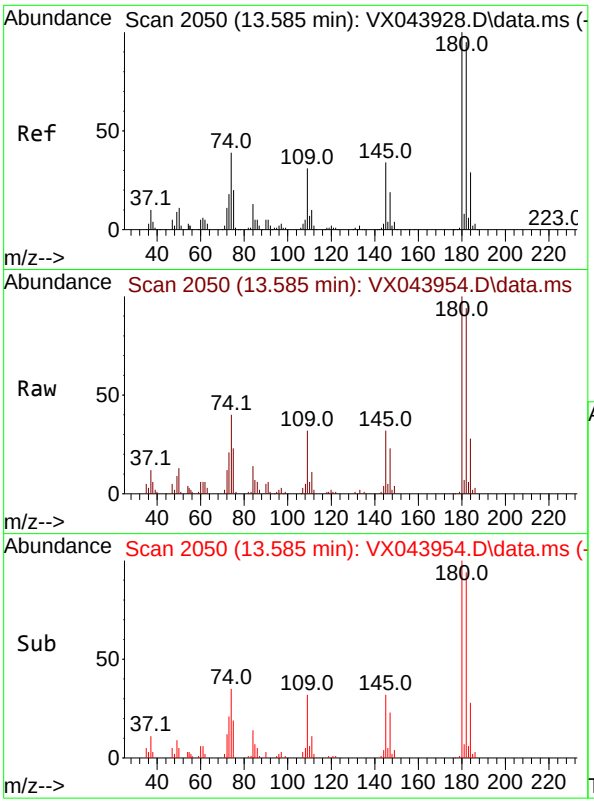


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.036 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 8390

Ion	Ratio	Lower	Upper
75	100		
155	73.0	40.1	120.2
157	88.1	49.6	149.0



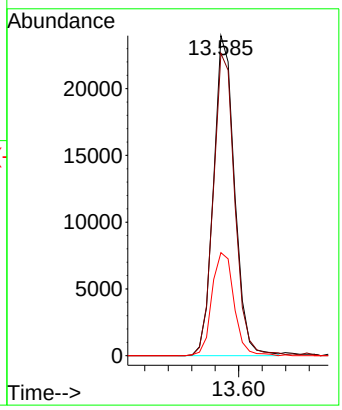


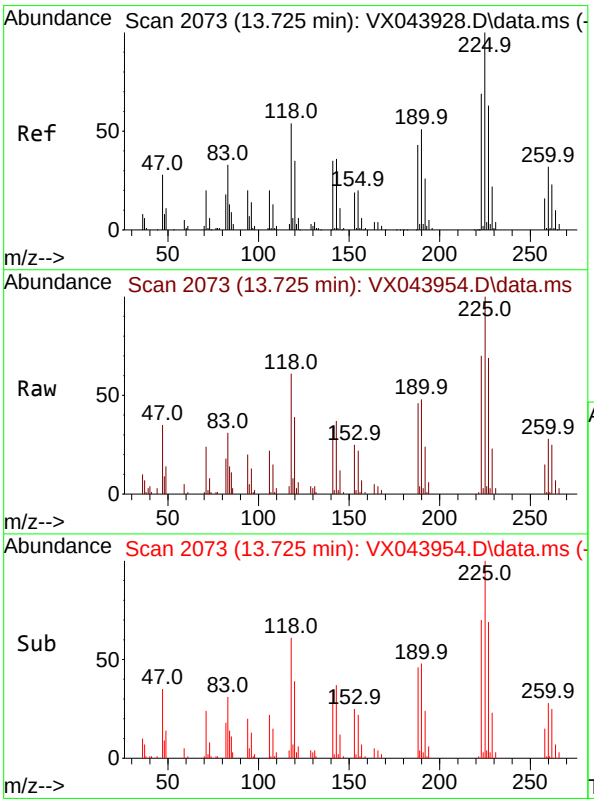
#93
1,2,4-Trichlorobenzene
Concen: 18.864 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:180 Resp: 29761

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.2
145	33.9	16.8	50.4

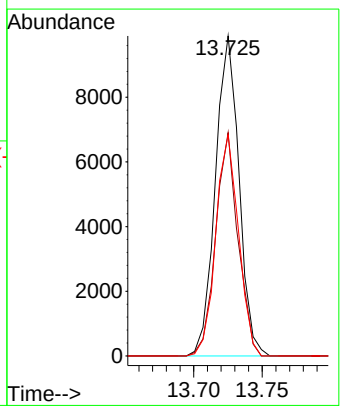


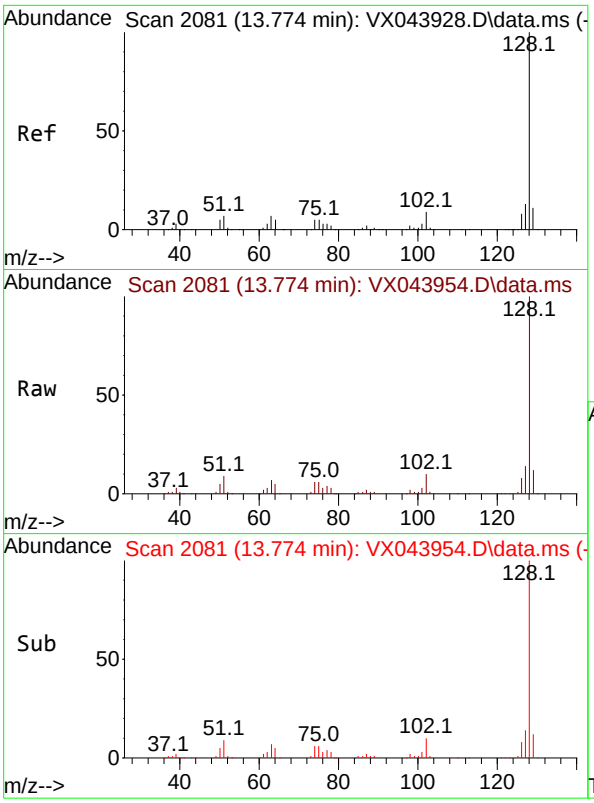


#94
Hexachlorobutadiene
Concen: 18.958 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:225 Resp: 11821

Ion	Ratio	Lower	Upper
225	100		
223	66.0	32.9	98.6
227	66.8	31.6	94.8



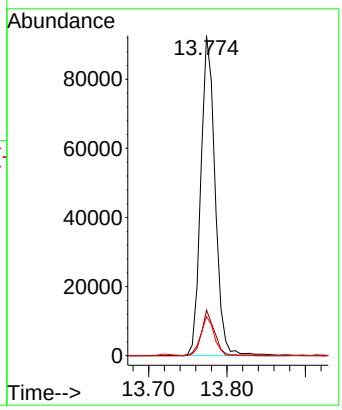


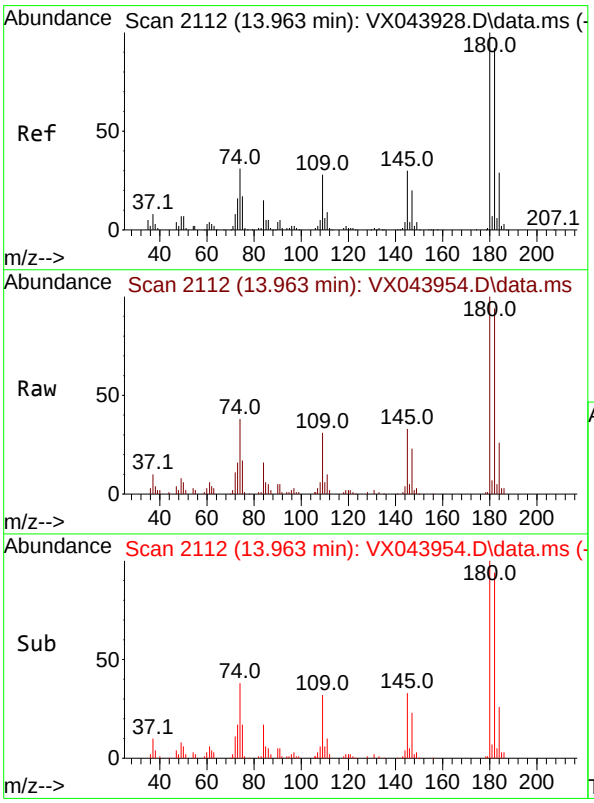
#95
Naphthalene
Concen: 20.640 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD01

Tgt Ion:128 Resp: 117216

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.4	8.6	12.8

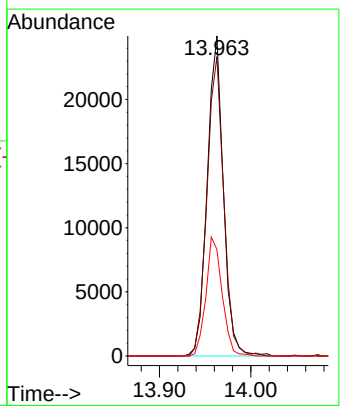




#96
1,2,3-Trichlorobenzene
Concen: 19.151 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043954.D
Acq: 22 Nov 2024 13:02

Tgt Ion:180 Resp: 30581

Ion	Ratio	Lower	Upper
180	100		
182	96.9	45.6	136.8
145	37.1	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	122980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	188299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109385	51.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.720%			
35) Dibromofluoromethane	5.379	113	80080	50.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	8.647	98	272032	49.385	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.780%			
62) 4-Bromofluorobenzene	11.079	95	93160	49.694	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	68061	43.686	ug/l	100
3) Chloromethane	1.295	50	74224	45.274	ug/l	97
4) Vinyl Chloride	1.374	62	77794	44.612	ug/l	96
5) Bromomethane	1.593	94	57584	53.679	ug/l	100
6) Chloroethane	1.666	64	50694	47.709	ug/l	100
7) Trichlorofluoromethane	1.868	101	166881	53.528	ug/l	99
8) Diethyl Ether	2.136	74	52774	46.443	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	66870	44.966	ug/l	98
10) Methyl Iodide	2.447	142	87758	47.250	ug/l	97
11) Tert butyl alcohol	3.002	59	72806	215.043	ug/l	98
12) 1,1-Dichloroethene	2.307	96	64902	45.800	ug/l	96
13) Acrolein	2.233	56	77602	217.457	ug/l	97
14) Allyl chloride	2.654	41	113282	48.923	ug/l	98
15) Acrylonitrile	3.069	53	194254	235.443	ug/l	98
16) Acetone	2.386	43	179850	185.644	ug/l	100
17) Carbon Disulfide	2.502	76	127176	43.508	ug/l	98
18) Methyl Acetate	2.703	43	104004	46.099	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257085	49.964	ug/l	98
20) Methylene Chloride	2.782	84	76764	46.692	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	70023	47.861	ug/l	98
22) Diisopropyl ether	3.758	45	248613	50.212	ug/l	92
23) Vinyl Acetate	3.721	43	1083211	255.744	ug/l	99
24) 1,1-Dichloroethane	3.605	63	142098	49.748	ug/l	100
25) 2-Butanone	4.562	43	278537	222.822	ug/l	100
26) 2,2-Dichloropropane	4.471	77	117521	45.557	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	89489	49.483	ug/l	99
28) Bromochloromethane	4.891	49	63042	50.141	ug/l	98
29) Tetrahydrofuran	5.007	42	175631	229.176	ug/l	99
30) Chloroform	5.087	83	153240	49.881	ug/l	98
31) Cyclohexane	5.458	56	108654	46.218	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	135463	51.132	ug/l	99
36) 1,1-Dichloropropene	5.684	75	96384	48.403	ug/l	99
37) Ethyl Acetate	4.715	43	111838	45.245	ug/l	99
38) Carbon Tetrachloride	5.672	117	109113	48.766	ug/l	99
39) Methylcyclohexane	7.373	83	114556	44.283	ug/l	97
40) Benzene	6.032	78	296066	47.732	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	58876	46.538	ug/l		95
42) 1,2-Dichloroethane	6.080	62	120886	48.527	ug/l		100
43) Isopropyl Acetate	6.342	43	188827	48.002	ug/l		100
44) Trichloroethene	7.123	130	70858	40.354	ug/l		93
45) 1,2-Dichloropropane	7.422	63	73488	48.373	ug/l		100
46) Dibromomethane	7.580	93	57212	47.608	ug/l		100
47) Bromodichloromethane	7.818	83	106111	49.233	ug/l		99
48) Methyl methacrylate	7.690	41	86803	45.987	ug/l		99
49) 1,4-Dioxane	7.665	88	23838	708.970	ug/l	#	77
51) 4-Methyl-2-Pentanone	8.574	43	569005	237.028	ug/l		99
52) Toluene	8.714	92	179366	48.314	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	107403	48.867	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	117473	48.756	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	72401	47.244	ug/l		95
56) Ethyl methacrylate	9.116	69	118682	49.720	ug/l		99
57) 1,3-Dichloropropane	9.305	76	123967	48.020	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	279741	213.469	ug/l		99
59) 2-Hexanone	9.433	43	420948	233.298	ug/l		100
60) Dibromochloromethane	9.519	129	73109	47.547	ug/l		96
61) 1,2-Dibromoethane	9.610	107	76113	49.118	ug/l		98
64) Tetrachloroethene	9.269	164	57495	46.307	ug/l		93
65) Chlorobenzene	10.080	112	197185	47.680	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66254	49.398	ug/l		99
67) Ethyl Benzene	10.189	91	341272	48.699	ug/l		98
68) m/p-Xylenes	10.299	106	259471	99.287	ug/l		99
69) o-Xylene	10.640	106	127383	49.924	ug/l		96
70) Styrene	10.653	104	215795	51.134	ug/l		98
71) Bromoform	10.799	173	45026	44.579	ug/l	#	99
73) Isopropylbenzene	10.957	105	327150	49.244	ug/l		100
74) N-amyl acetate	10.842	43	158903	51.633	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.214	83	112173	49.312	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	122618	64.696	ug/l		83
77) Bromobenzene	11.195	156	76053	47.990	ug/l		97
78) n-propylbenzene	11.305	91	379686	51.172	ug/l		99
79) 2-Chlorotoluene	11.360	91	231439	49.328	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	277669	50.803	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	30621	44.087	ug/l		95
82) 4-Chlorotoluene	11.451	91	265745	50.170	ug/l		100
83) tert-Butylbenzene	11.713	119	275078	50.777	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	274500	50.446	ug/l		99
85) sec-Butylbenzene	11.890	105	325633	49.060	ug/l		99
86) p-Isopropyltoluene	12.006	119	271259	50.312	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	135787	47.044	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	137836	46.839	ug/l		97
89) n-Butylbenzene	12.329	91	240255	50.543	ug/l		99
90) Hexachloroethane	12.536	117	44170	48.179	ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	139290	47.819	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21512	47.196	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	80863	47.087	ug/l		100
94) Hexachlorobutadiene	13.725	225	29838	43.962	ug/l		99
95) Naphthalene	13.774	128	311837	50.444	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	87371	50.266	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

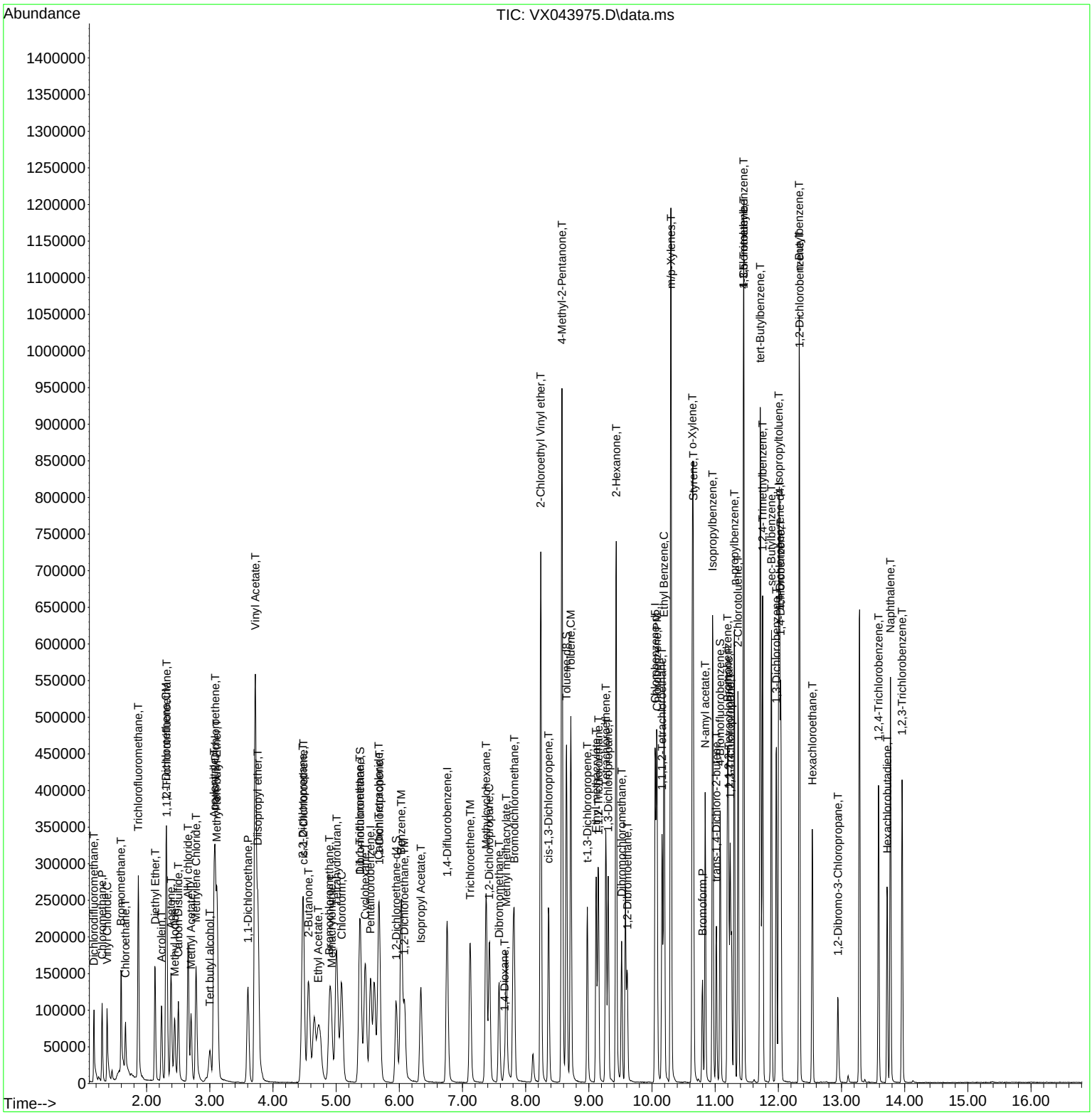
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

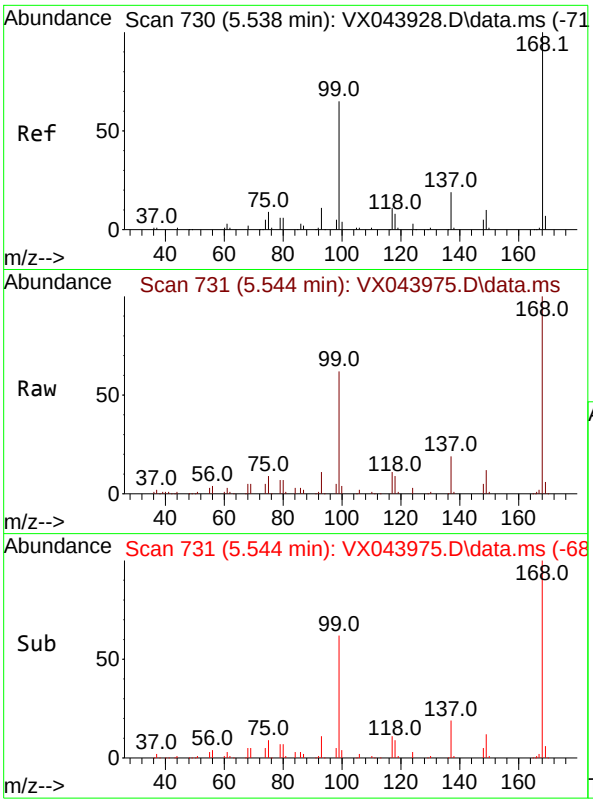
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



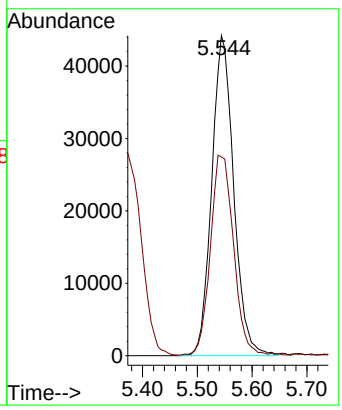


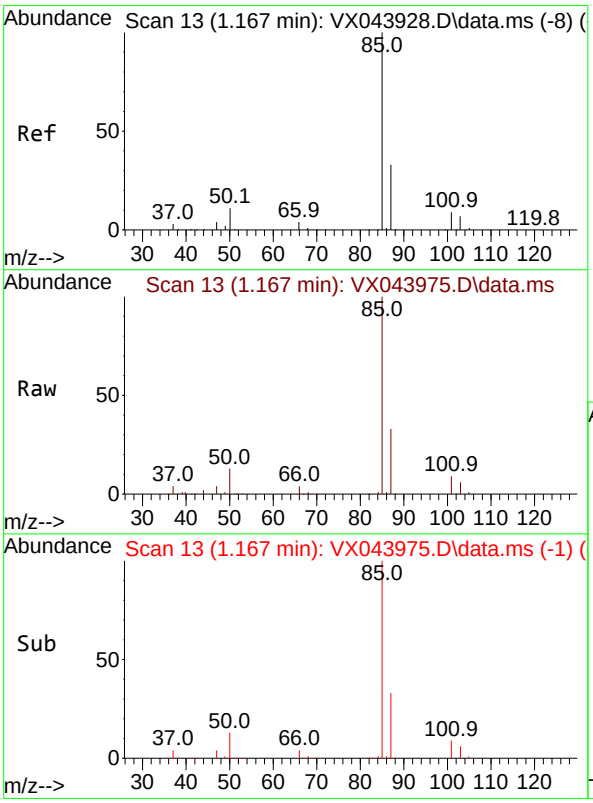
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 122980

Ion	Ratio	Lower	Upper
168	100		
99	61.9	51.8	77.8

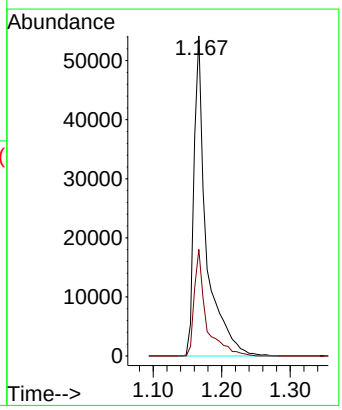


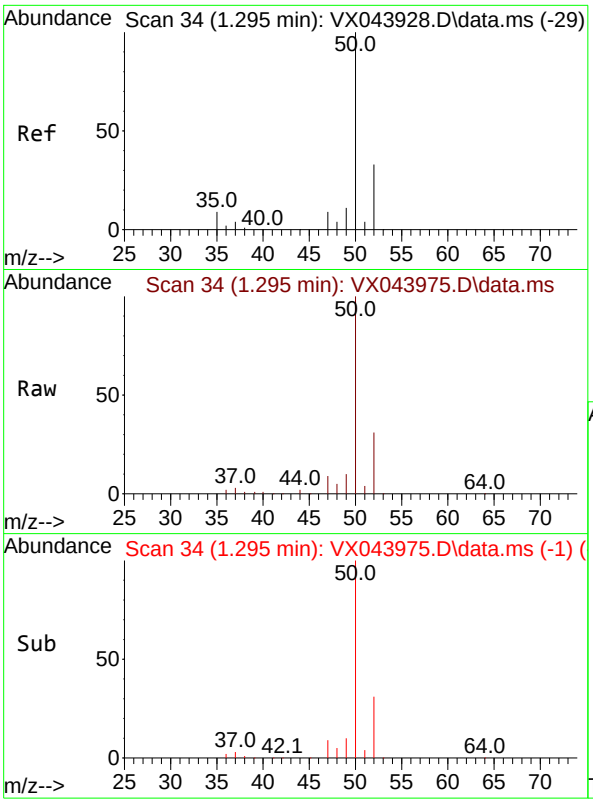


#2
Dichlorodifluoromethane
Concen: 43.686 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 85 Resp: 68061

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8



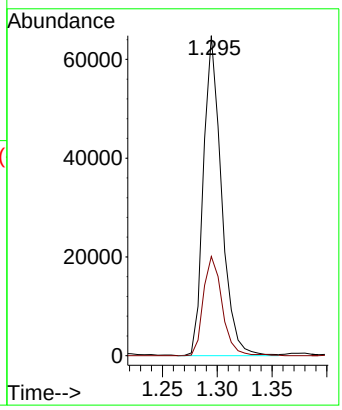


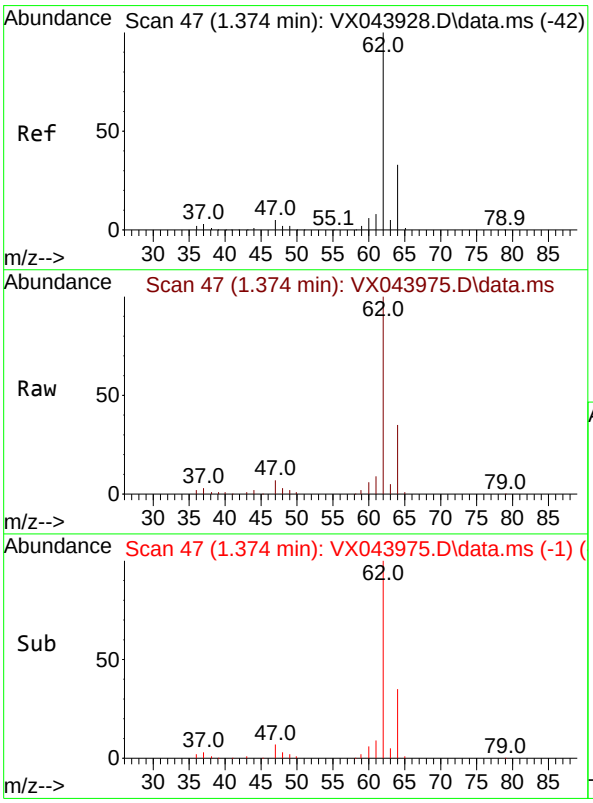
#3
Chloromethane
Concen: 45.274 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 74224

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.1	39.1

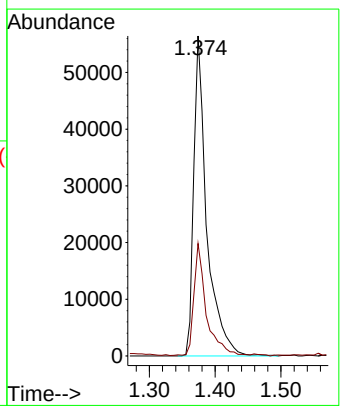


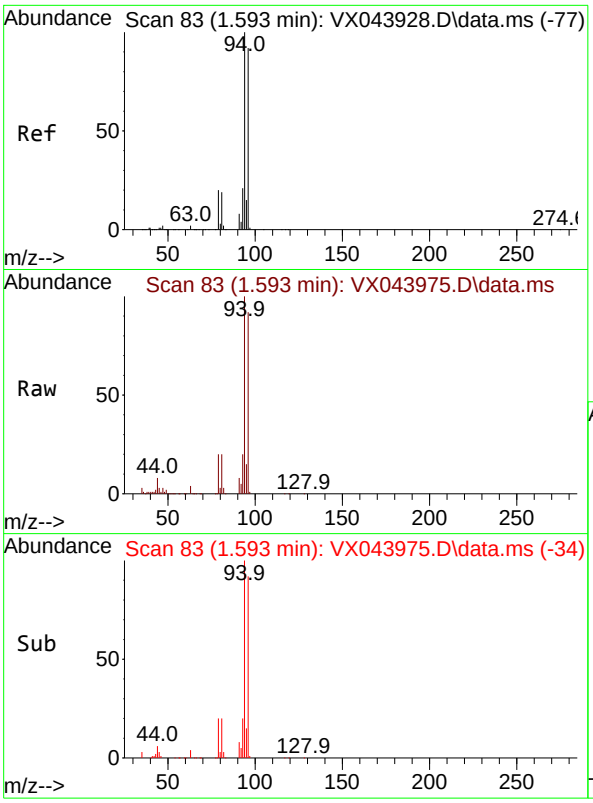


#4
Vinyl Chloride
Concen: 44.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 77794

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.2	39.4



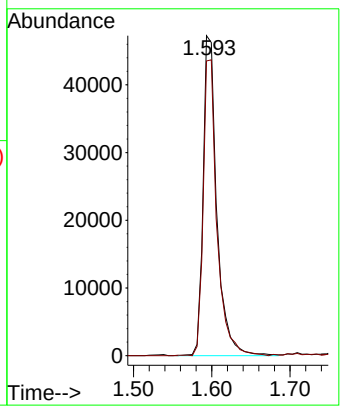


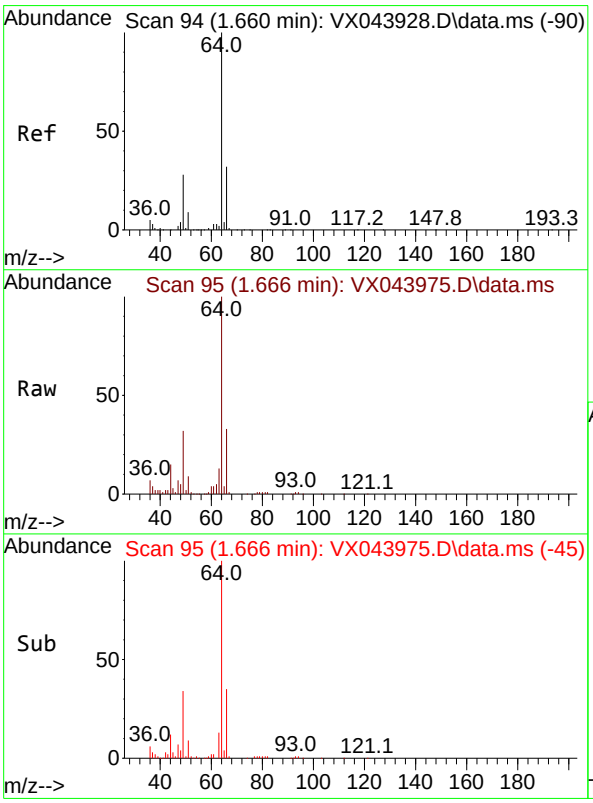
#5
Bromomethane
Concen: 53.679 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 57584

Ion	Ratio	Lower	Upper
94	100		
96	91.9	73.9	110.9

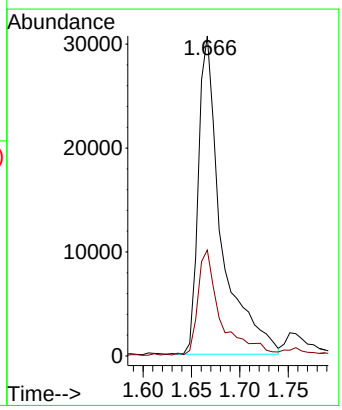


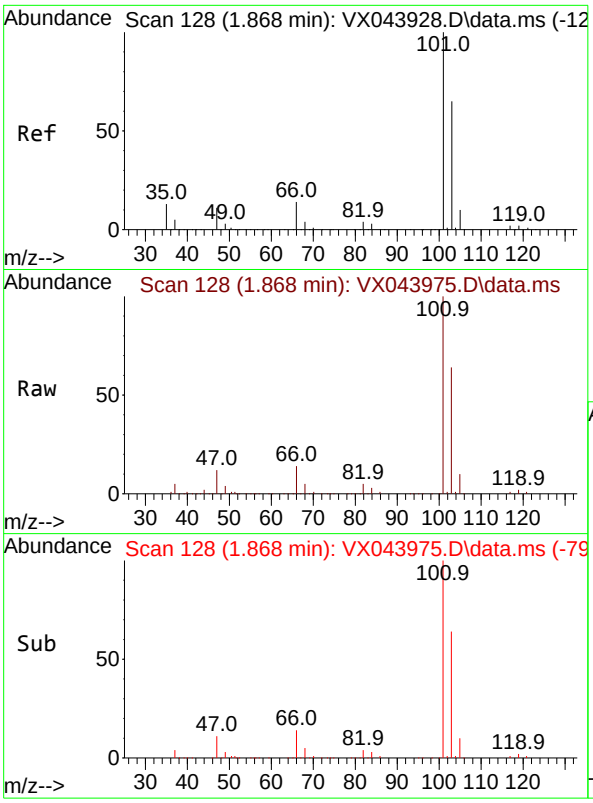


#6
Chloroethane
Concen: 47.709 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 64 Resp: 50694

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9



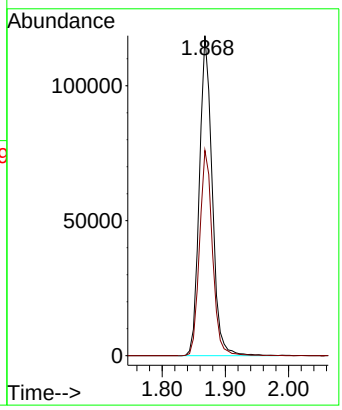


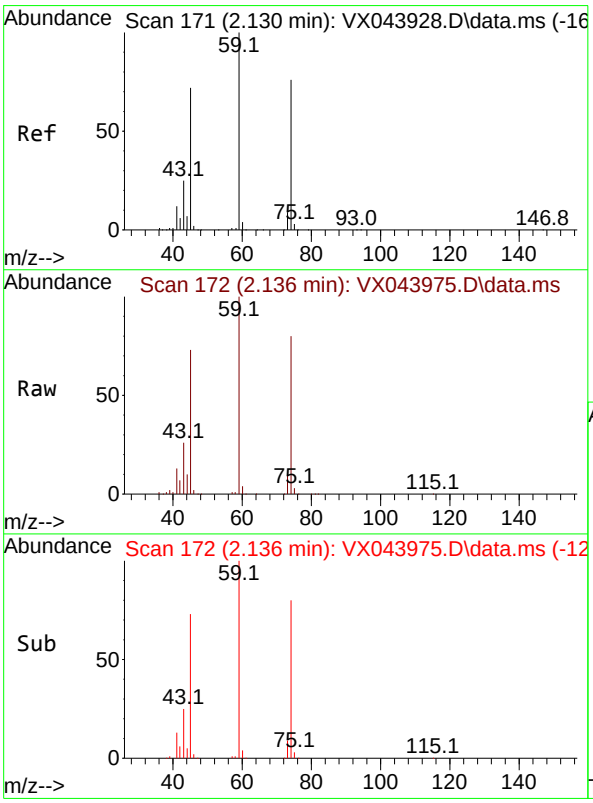
#7
Trichlorofluoromethane
Concen: 53.528 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 166881

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

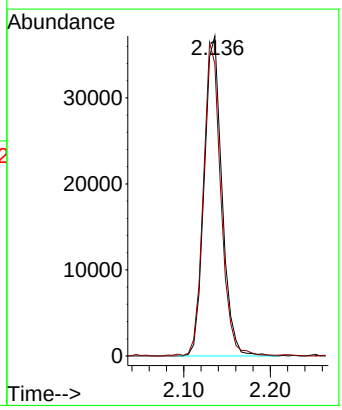


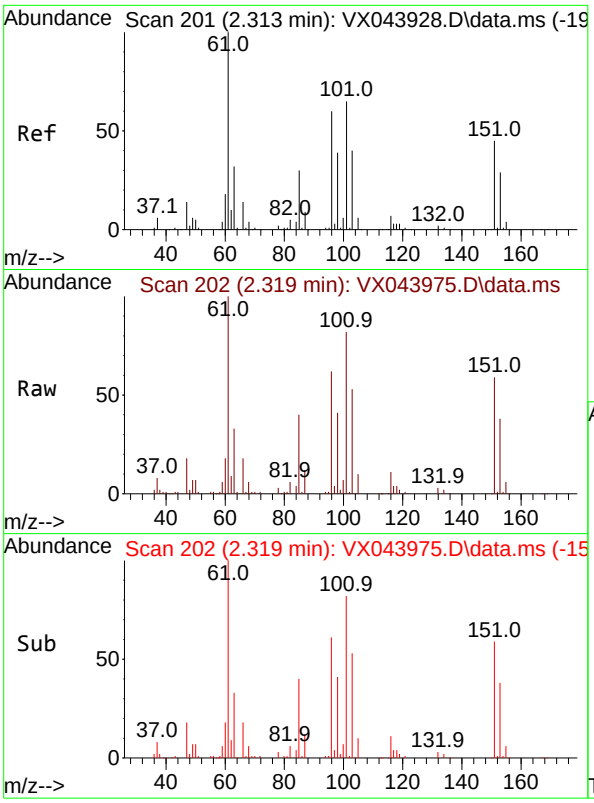


#8
Diethyl Ether
Concen: 46.443 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 74 Resp: 52774

Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.9	143.6



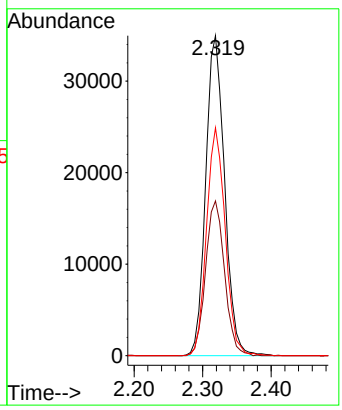


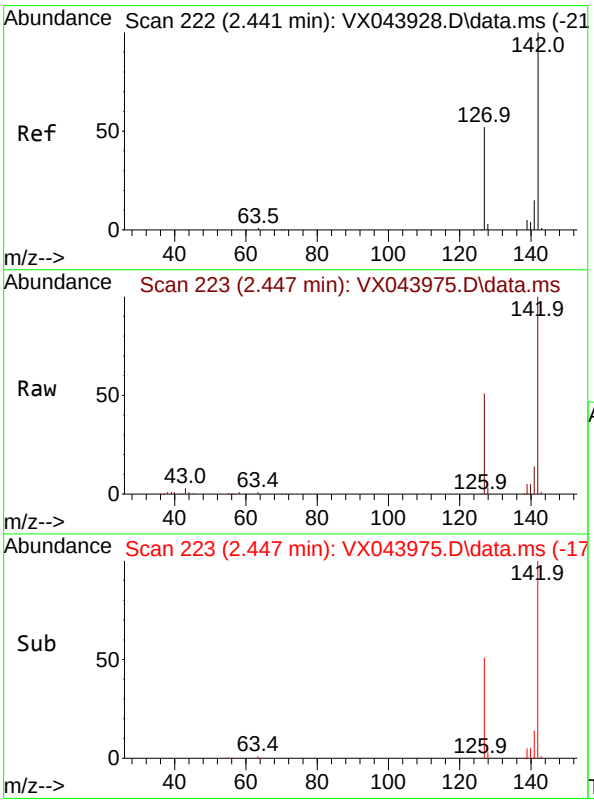
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.966 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 66870

Ion	Ratio	Lower	Upper
101	100		
85	48.8	37.9	56.9
151	70.6	57.5	86.3

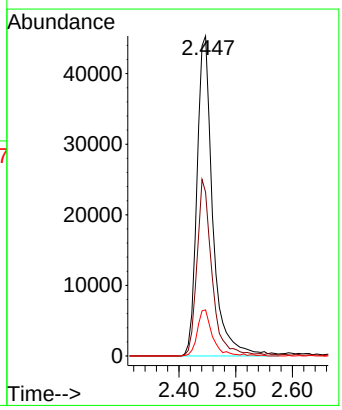


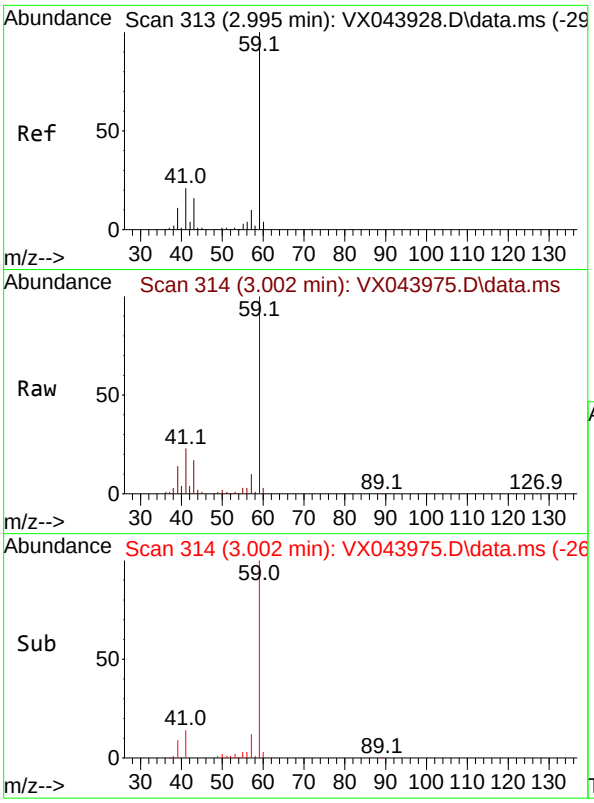


#10
Methyl Iodide
Concen: 47.250 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758

Ion	Ratio	Lower	Upper
142	100		
127	53.0	40.7	61.1
141	13.6	12.0	18.0



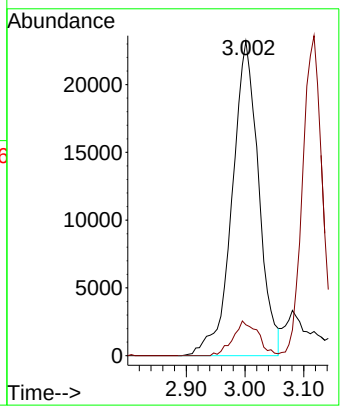


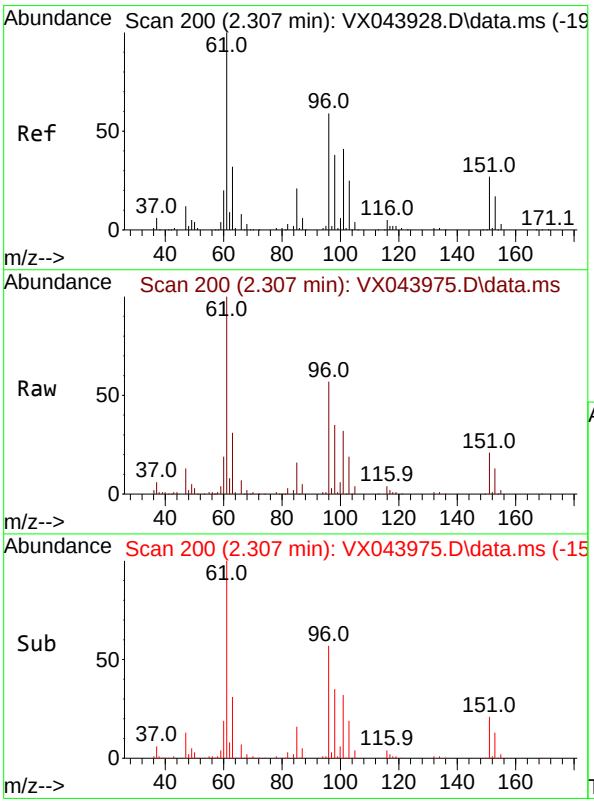
#11
Tert butyl alcohol
Concen: 215.043 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 72806

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9

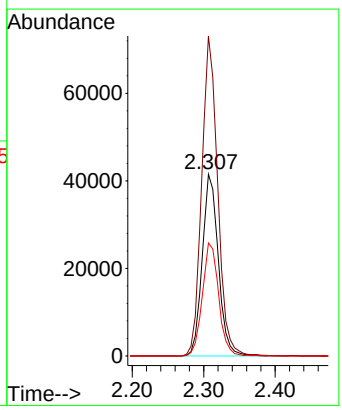


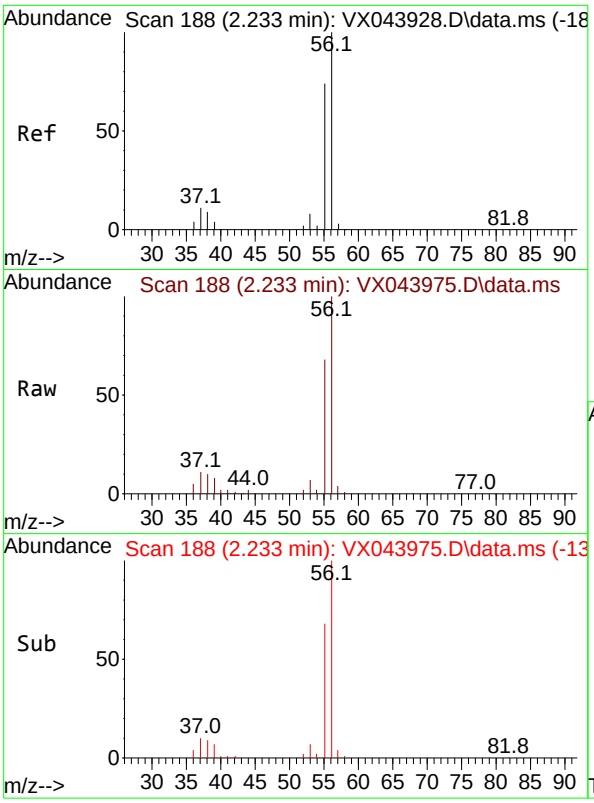


#12
1,1-Dichloroethene
Concen: 45.800 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 64902

Ion	Ratio	Lower	Upper
96	100		
61	176.1	135.5	203.3
98	62.2	50.8	76.2



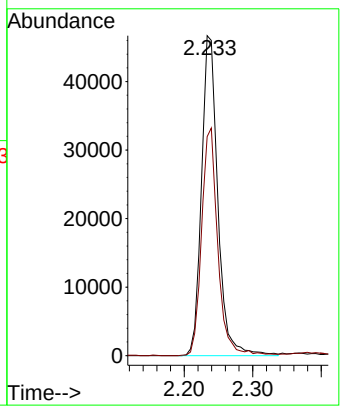


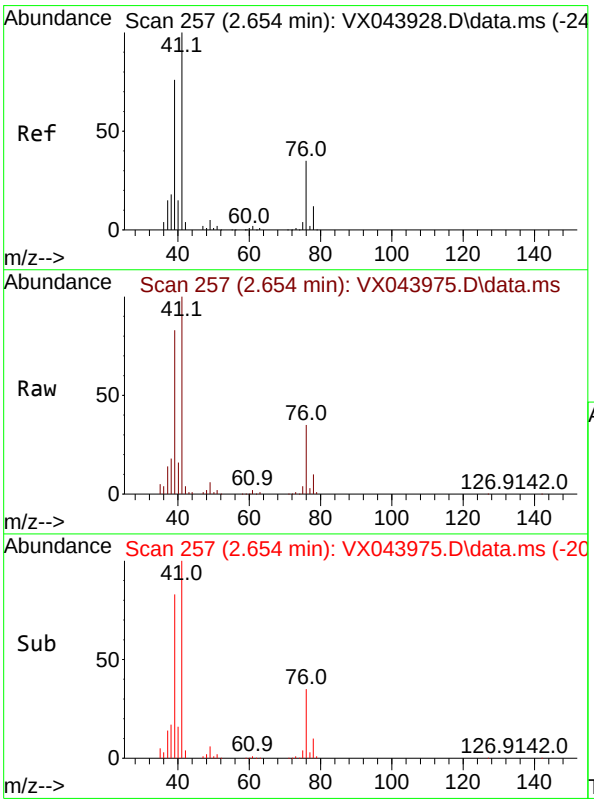
#13
Acrolein
Concen: 217.457 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 77602

Ion	Ratio	Lower	Upper
56	100		
55	70.5	58.2	87.2

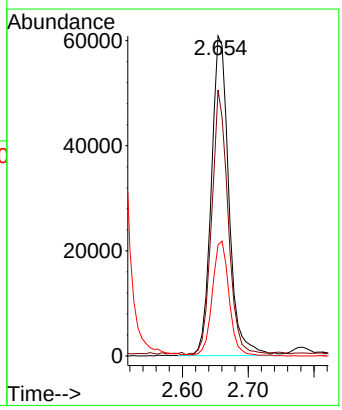


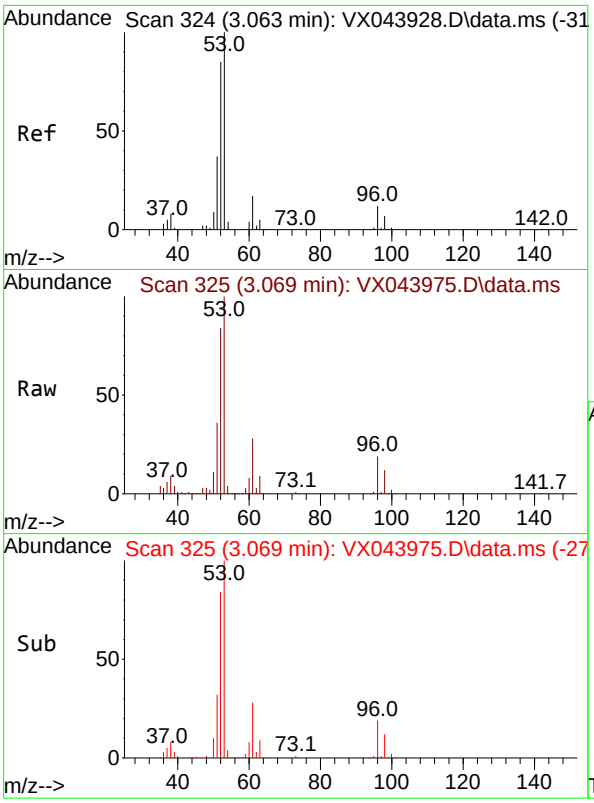


#14
Allyl chloride
Concen: 48.923 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 113282

Ion	Ratio	Lower	Upper
41	100		
39	76.8	59.5	89.3
76	34.4	27.4	41.2



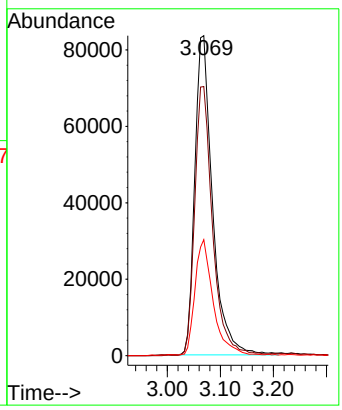


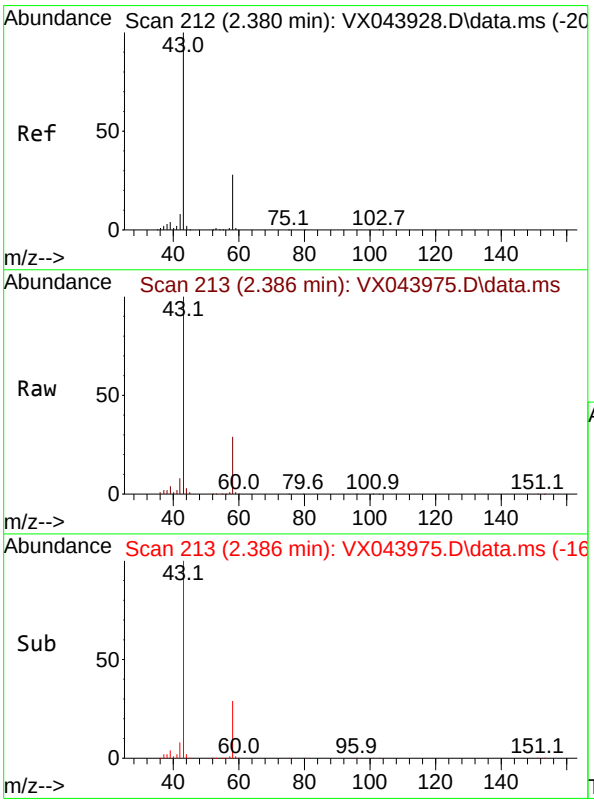
#15
Acrylonitrile
Concen: 235.443 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 194254

Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.5	99.7
51	36.6	30.2	45.4

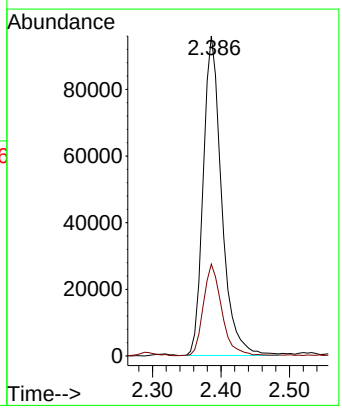


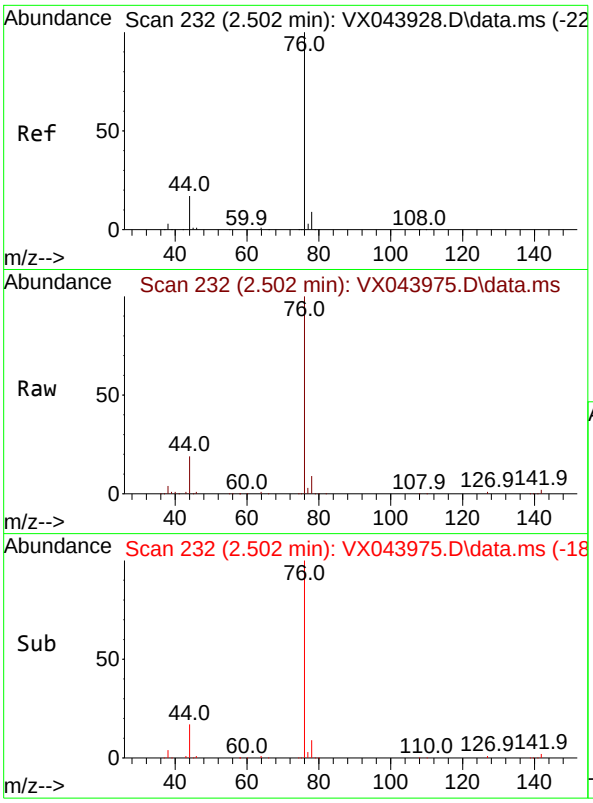


#16
Acetone
Concen: 185.644 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 179850

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1



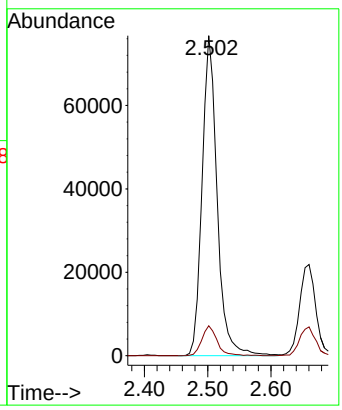


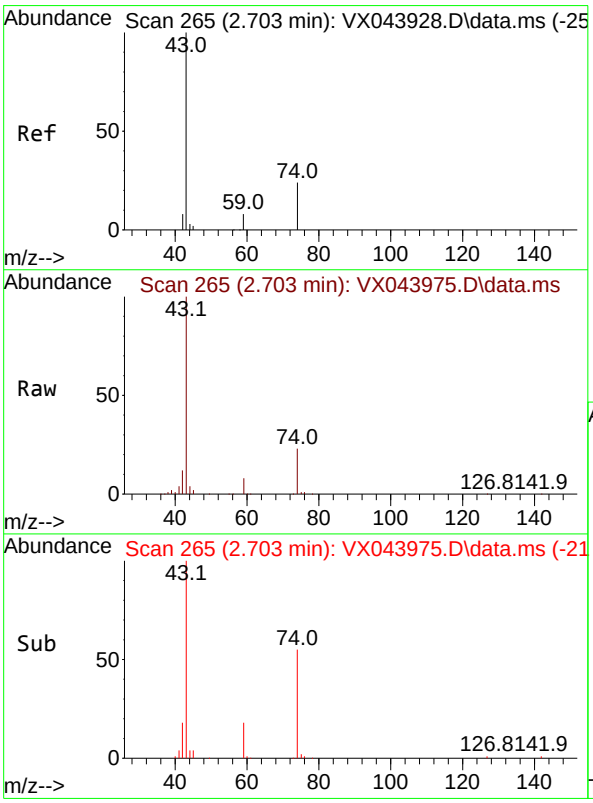
#17
Carbon Disulfide
Concen: 43.508 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 127176

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

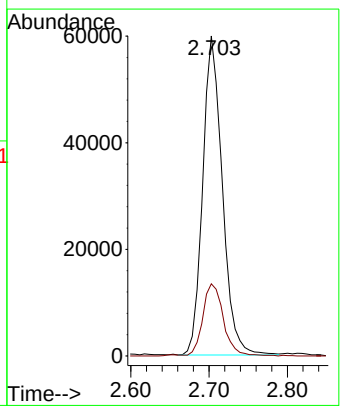


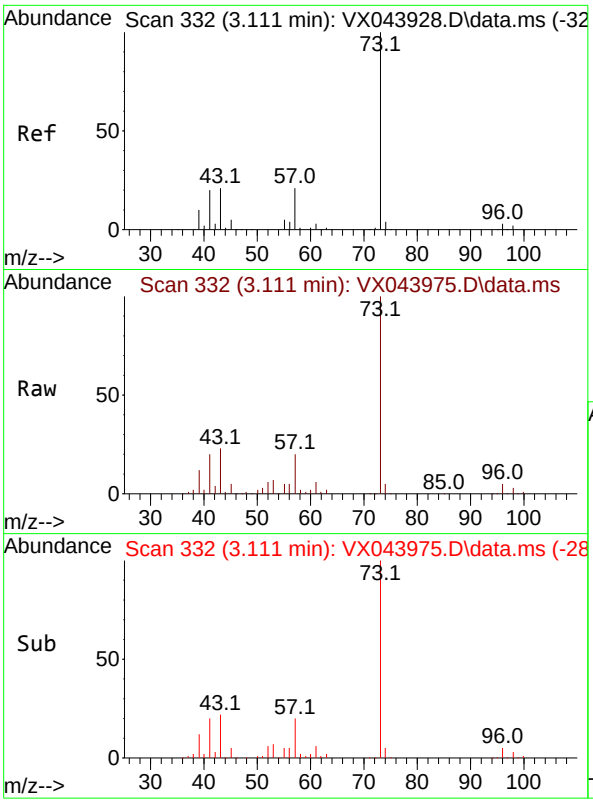


#18
Methyl Acetate
Concen: 46.099 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3



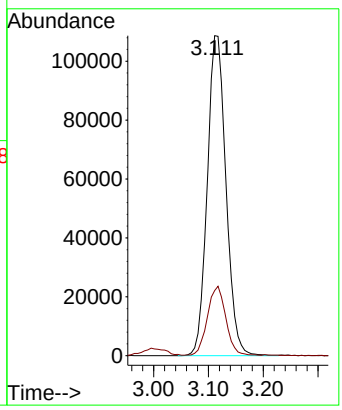


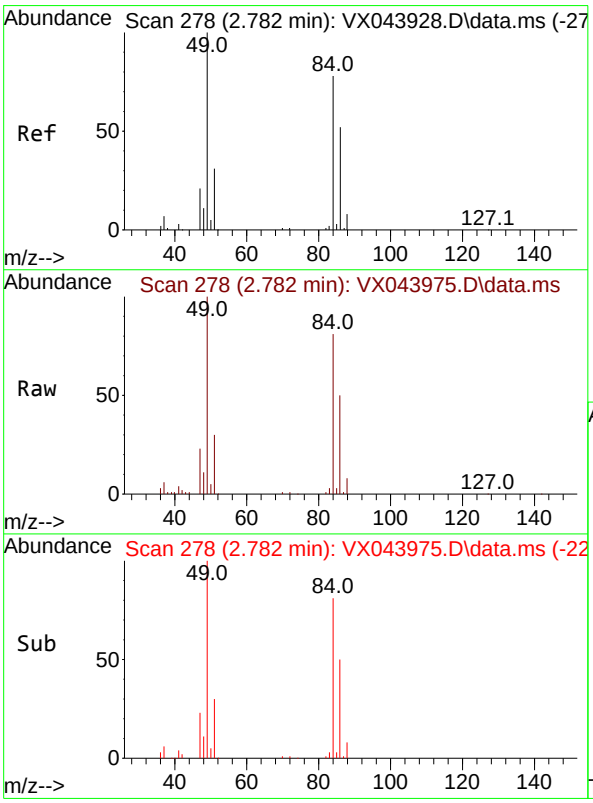
#19
Methyl tert-butyl Ether
Concen: 49.964 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 257085

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6

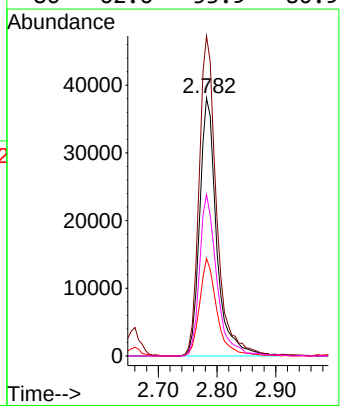


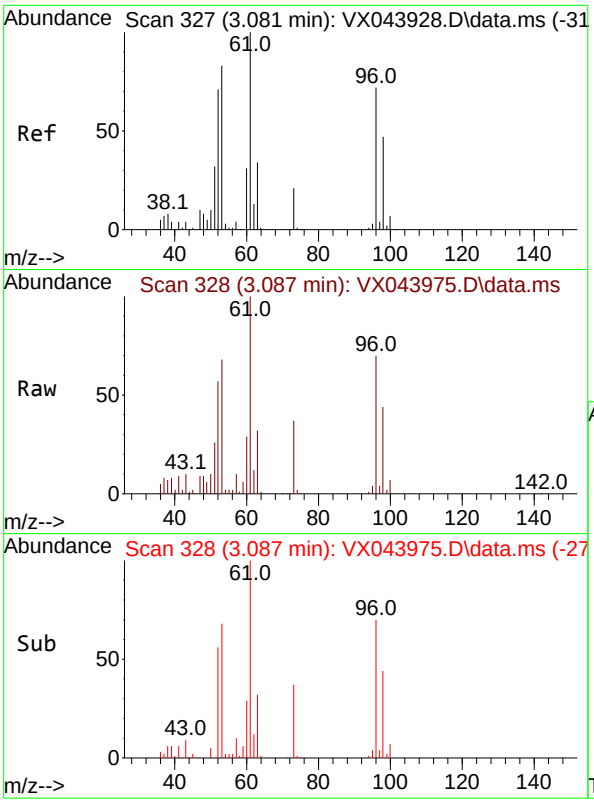


#20
Methylene Chloride
Concen: 46.692 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764

Ion	Ratio	Lower	Upper
84	100		
49	124.0	102.7	154.1
51	37.8	31.7	47.5
86	62.6	53.9	80.9



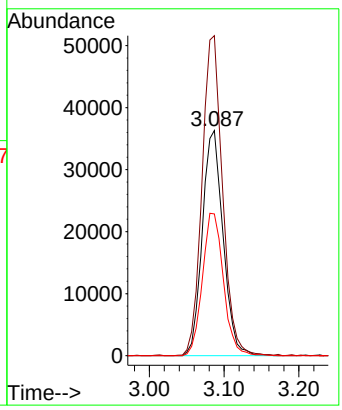


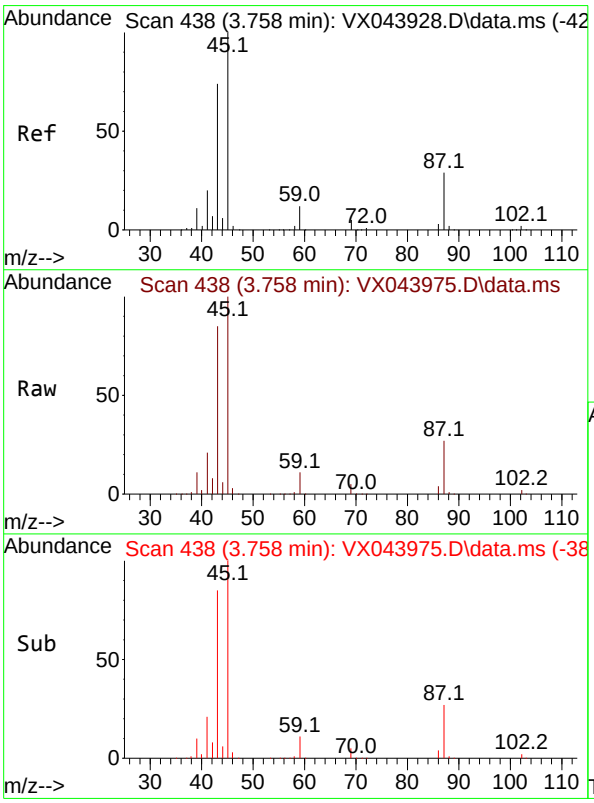
#21
trans-1,2-Dichloroethene
Concen: 47.861 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 70023

Ion	Ratio	Lower	Upper
96	100		
61	141.9	111.8	167.6
98	63.0	52.7	79.1

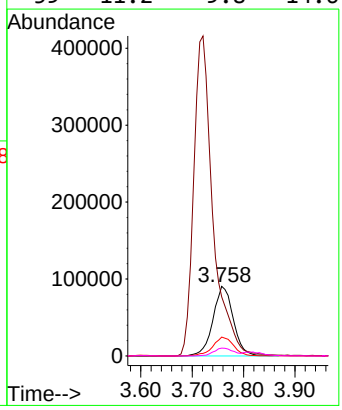


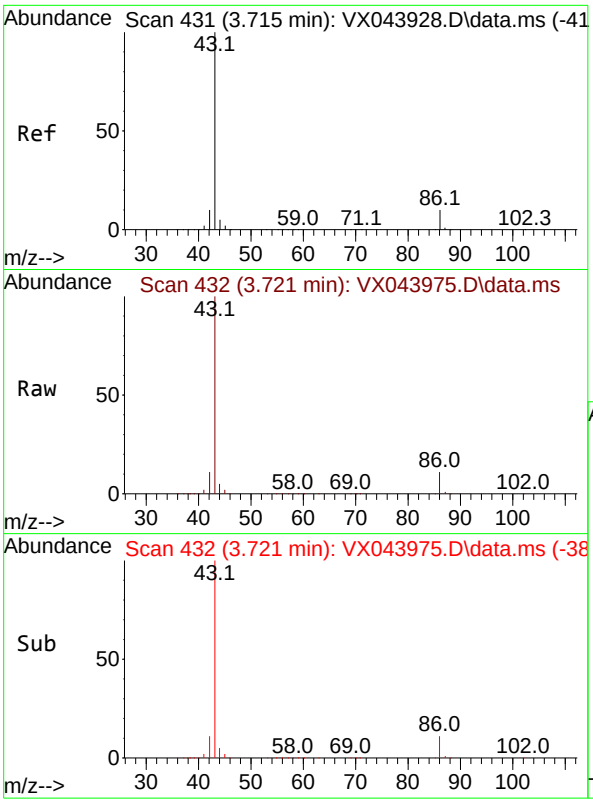


#22
Diisopropyl ether
Concen: 50.212 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 45 Resp: 248613

Ion	Ratio	Lower	Upper
45	100		
43	84.4	59.6	89.4
87	27.2	22.9	34.3
59	11.2	9.8	14.6



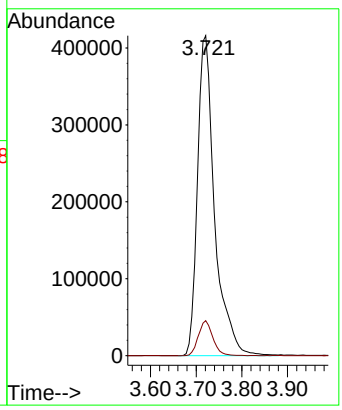


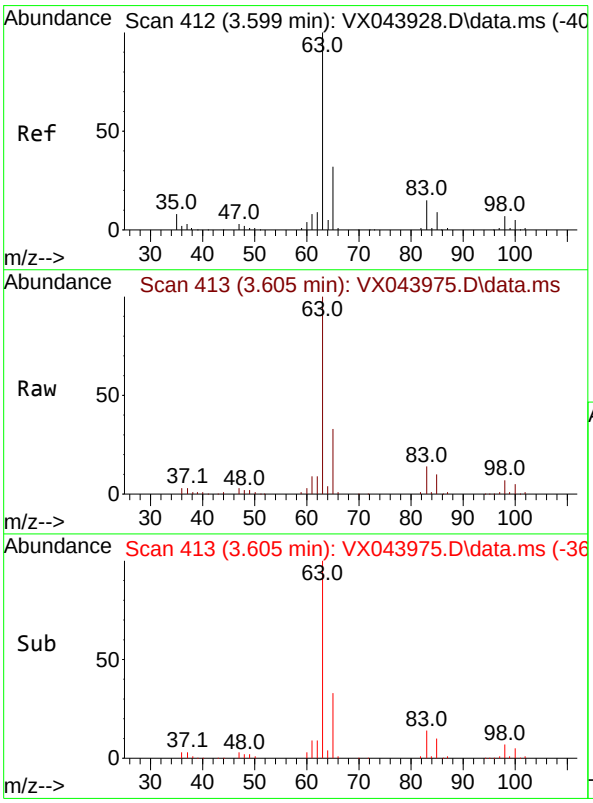
#23
Vinyl Acetate
Concen: 255.744 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1083211

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

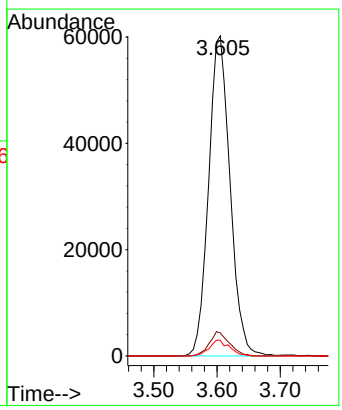


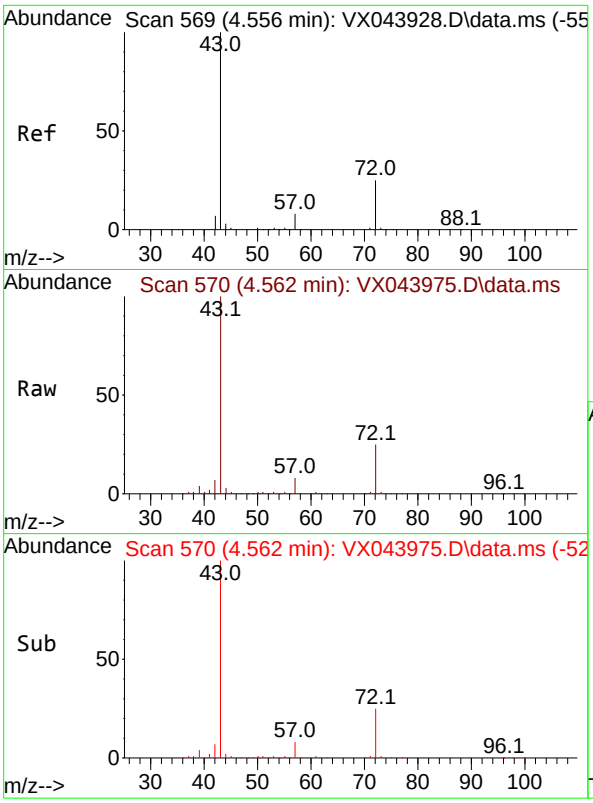


#24
1,1-Dichloroethane
Concen: 49.748 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 142098

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	4.9	2.4	7.1



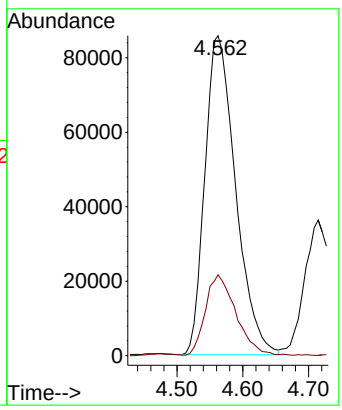


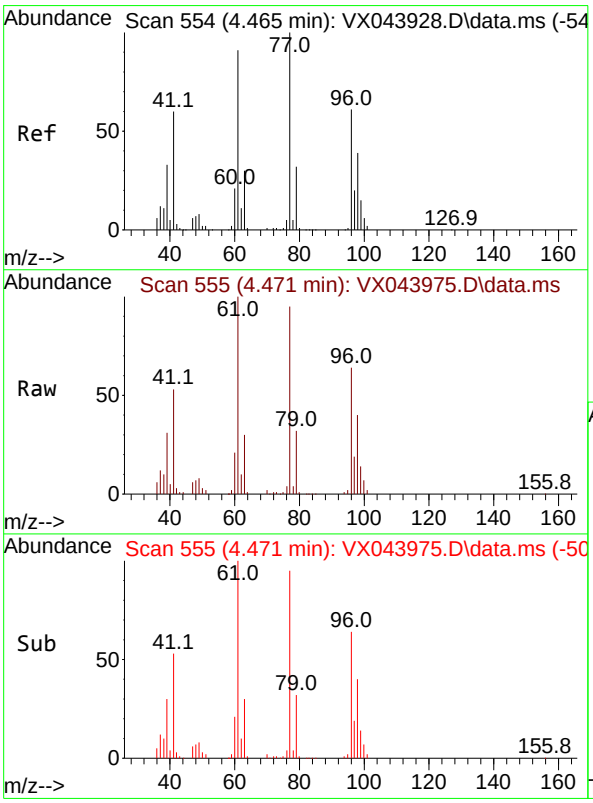
#25
2-Butanone
Concen: 222.822 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 278537

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.2	30.2

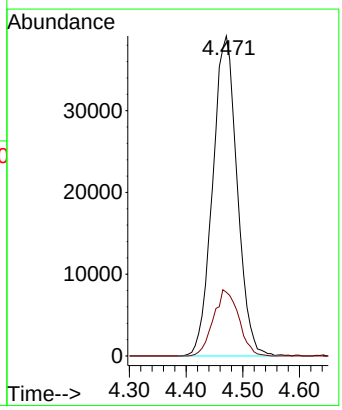


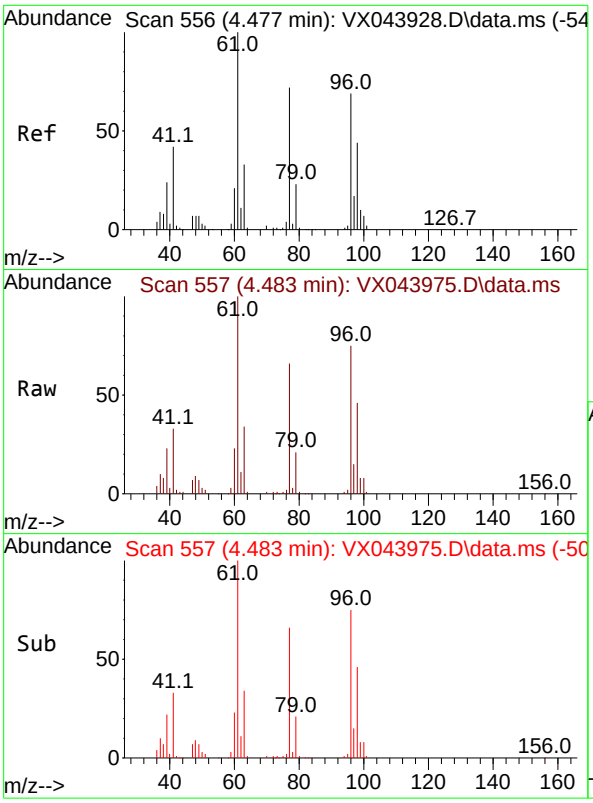


#26
2,2-Dichloropropane
Concen: 45.557 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 77 Resp: 117521

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.3



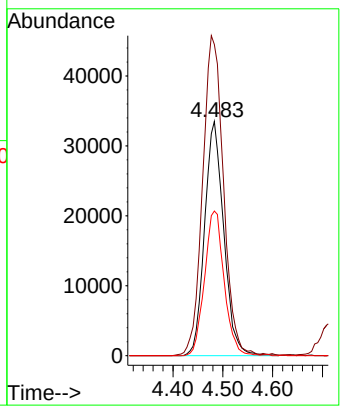


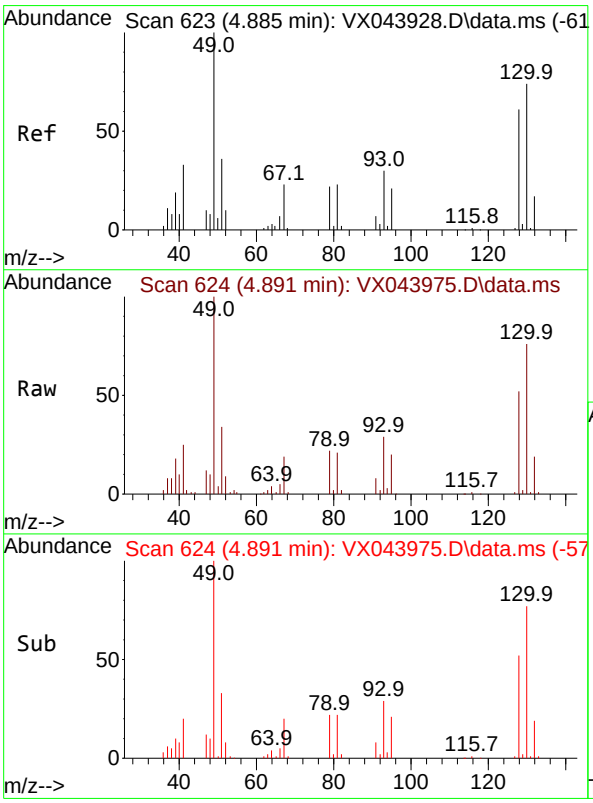
#27
cis-1,2-Dichloroethene
Concen: 49.483 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 89489

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	297.4
98	63.1	0.0	127.8

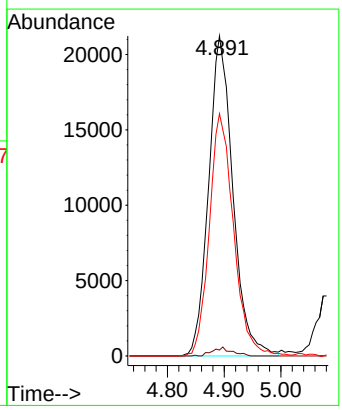


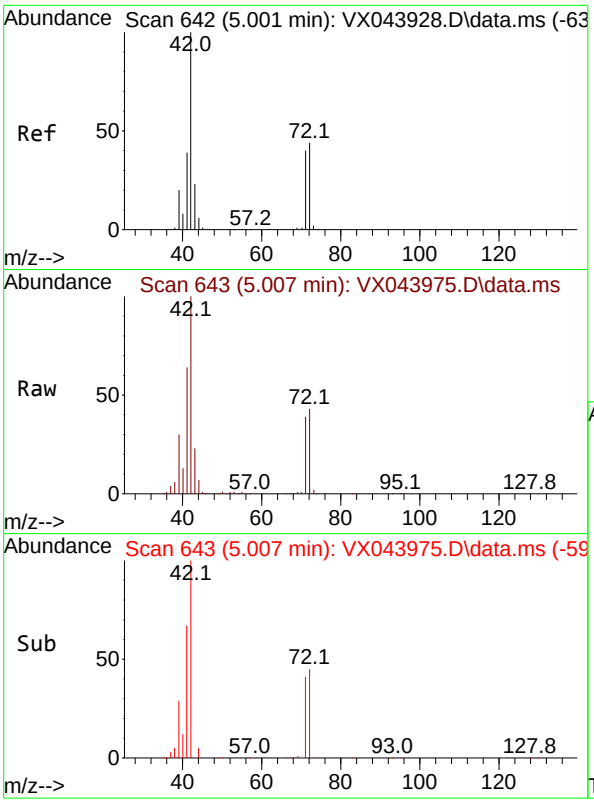


#28
Bromochloromethane
Concen: 50.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 49 Resp: 63042

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	75.6	59.0	88.6



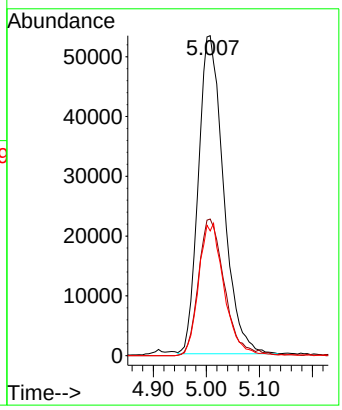


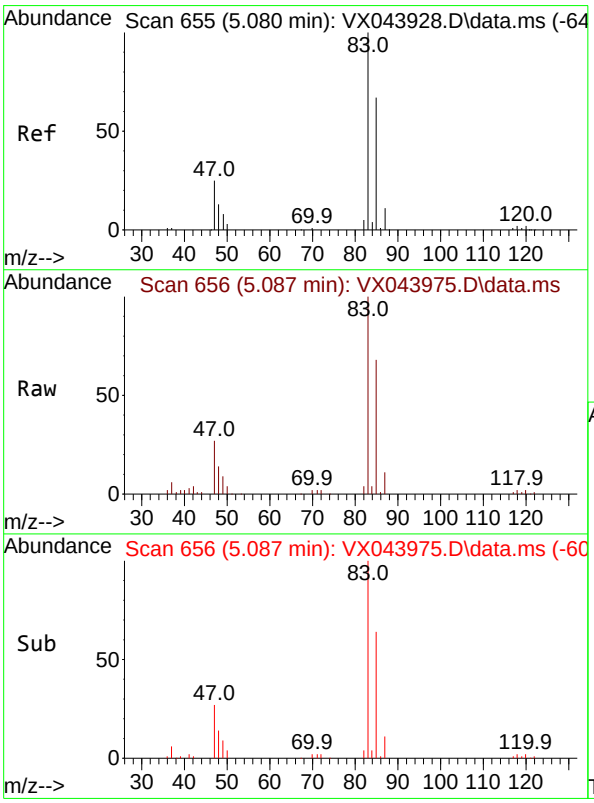
#29
Tetrahydrofuran
Concen: 229.176 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 175631

Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	42.0	33.4	50.0

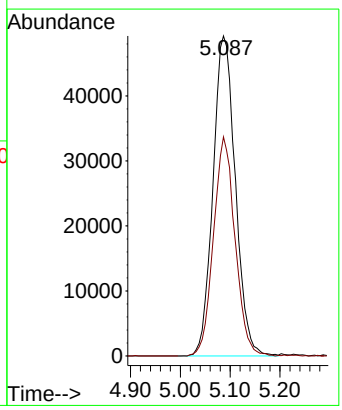


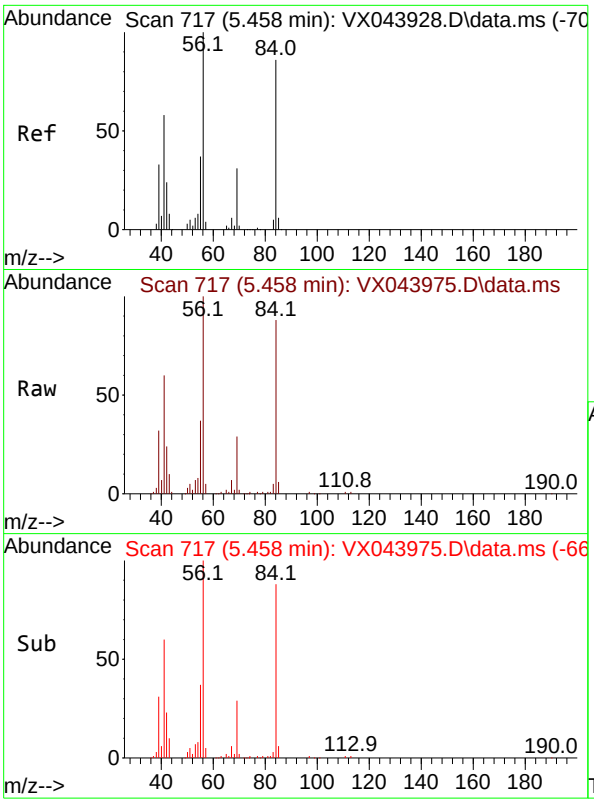


#30
Chloroform
Concen: 49.881 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 153240

Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.5	80.3



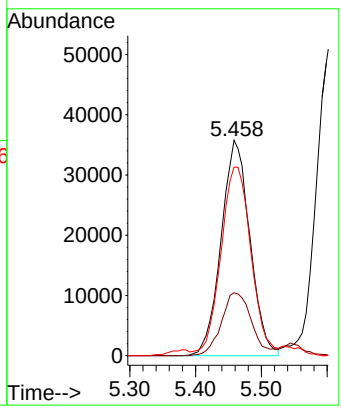


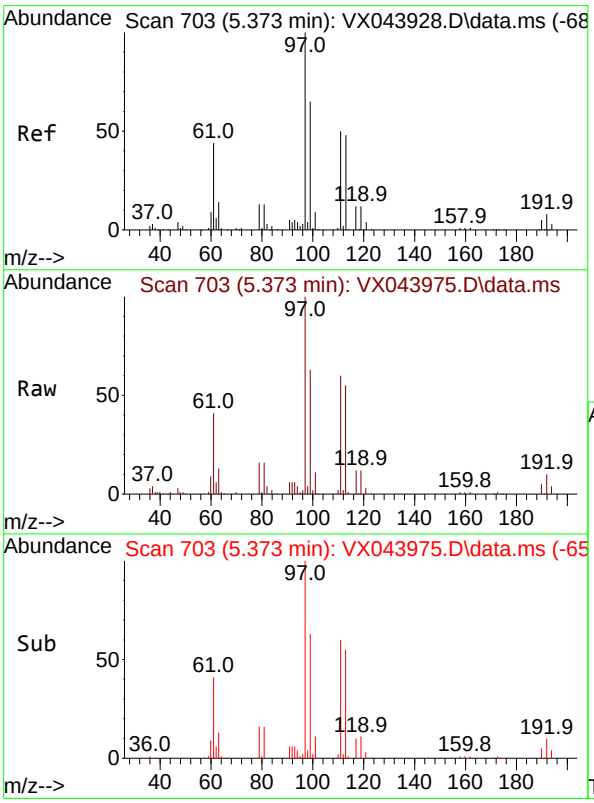
#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 108654

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.7	37.1
84	85.4	68.7	103.1

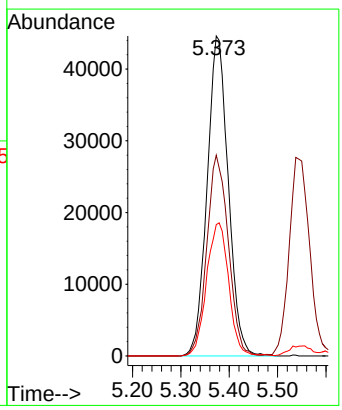


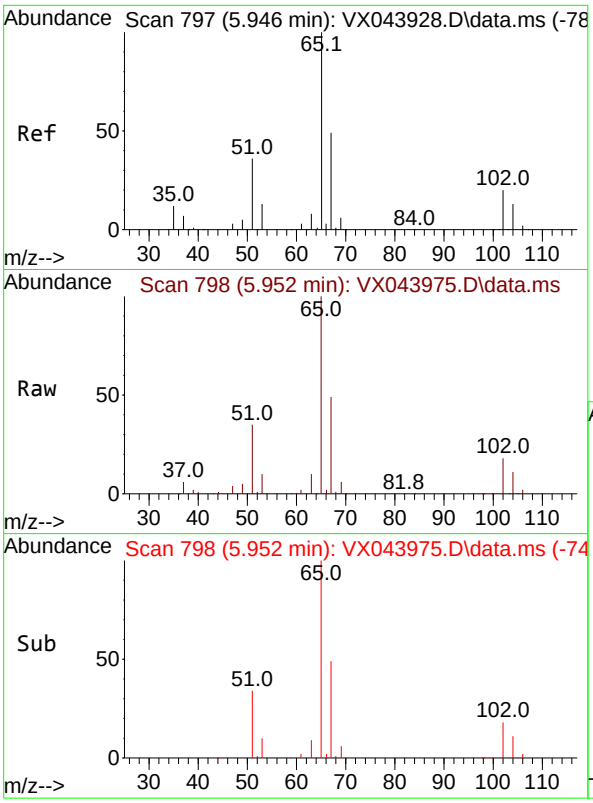


#32
1,1,1-Trichloroethane
Concen: 51.132 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 135463

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	43.7	35.4	53.2



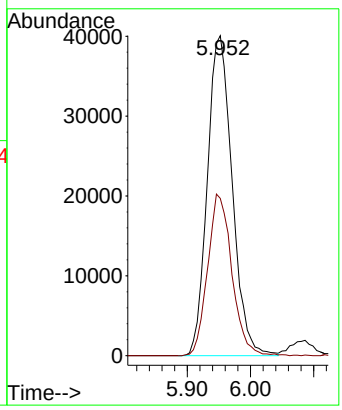


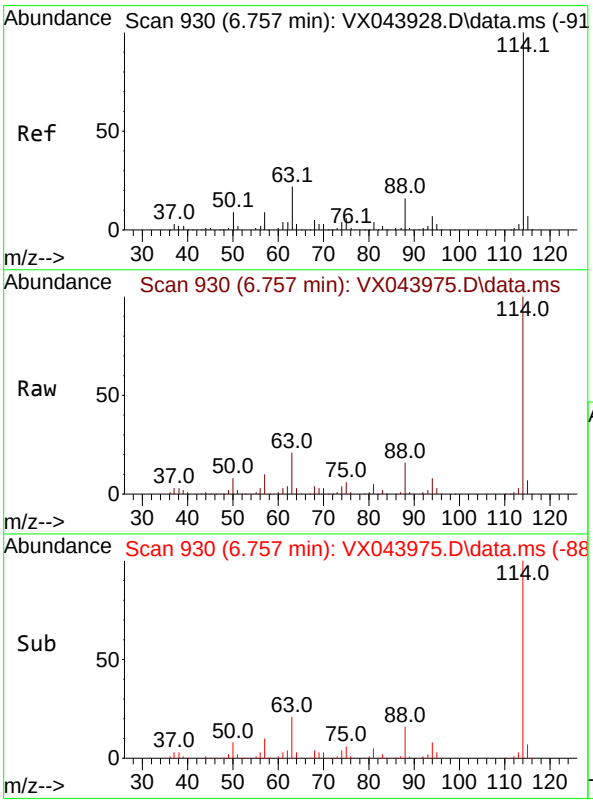
#33
1,2-Dichloroethane-d4
Concen: 51.858 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 109385

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	100.8

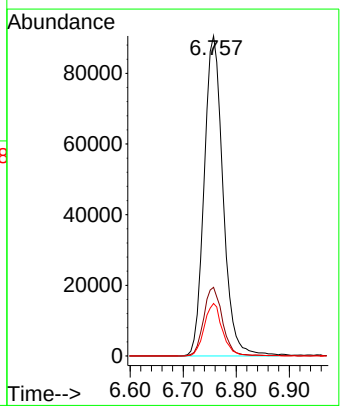


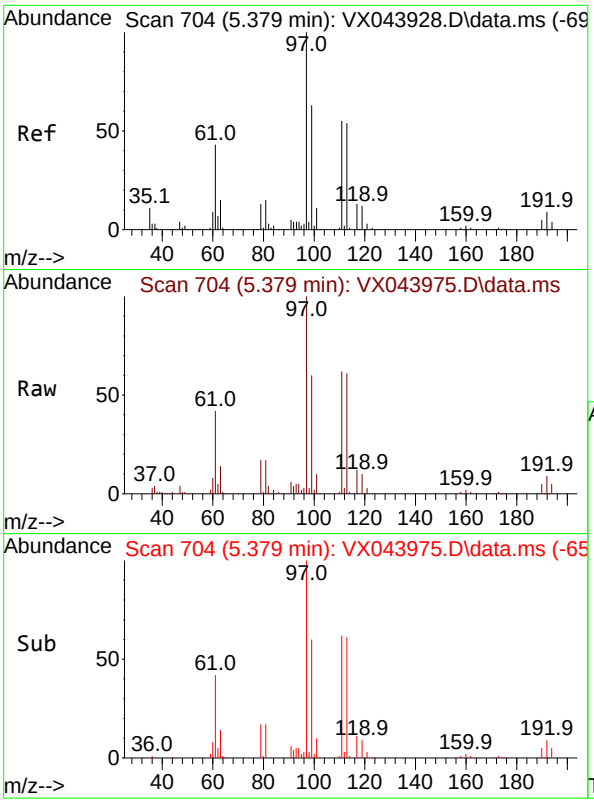


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:114 Resp: 223634

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.4	0.0	32.4



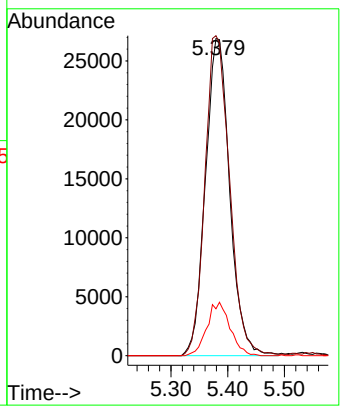


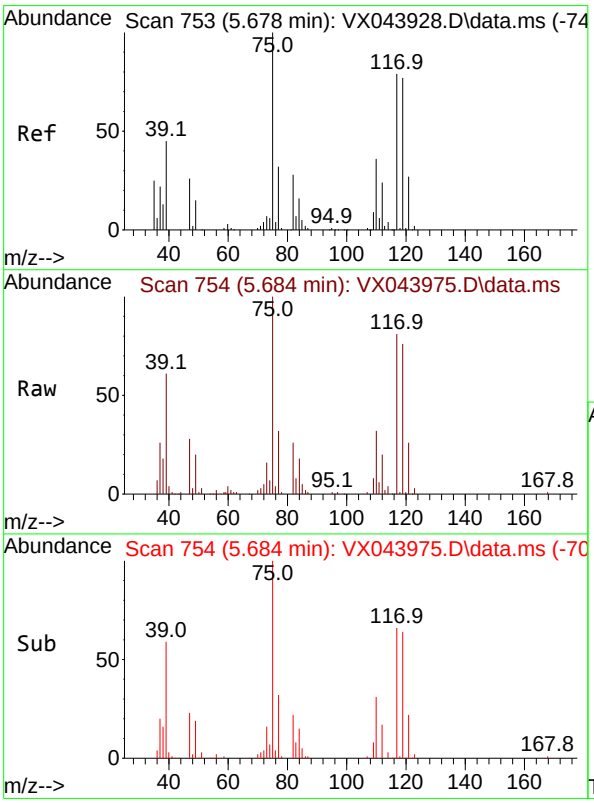
#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 80080

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	16.0	13.0	19.6

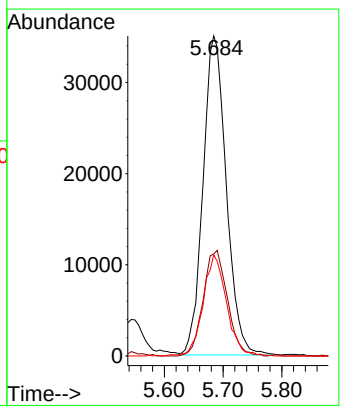


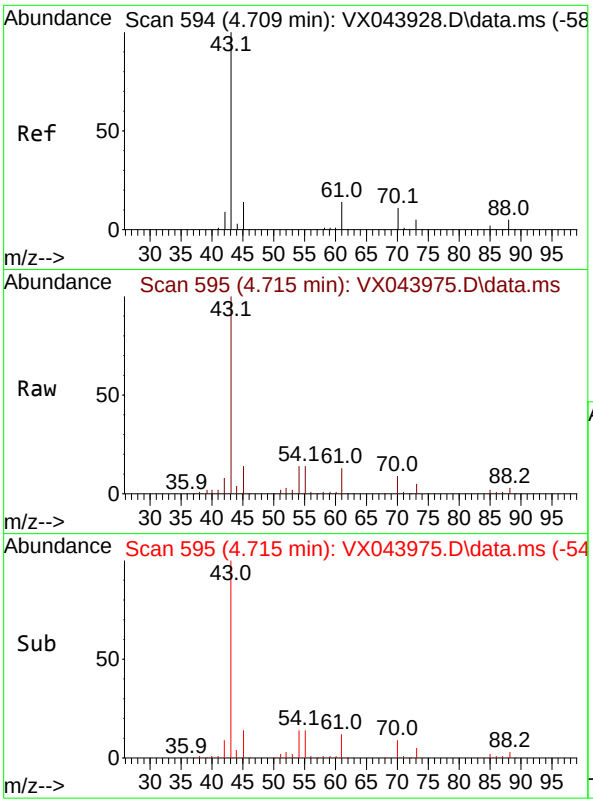


#36
1,1-Dichloropropene
Concen: 48.403 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 96384

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.2
77	31.9	25.8	38.8



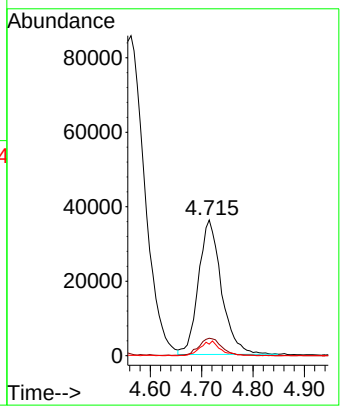


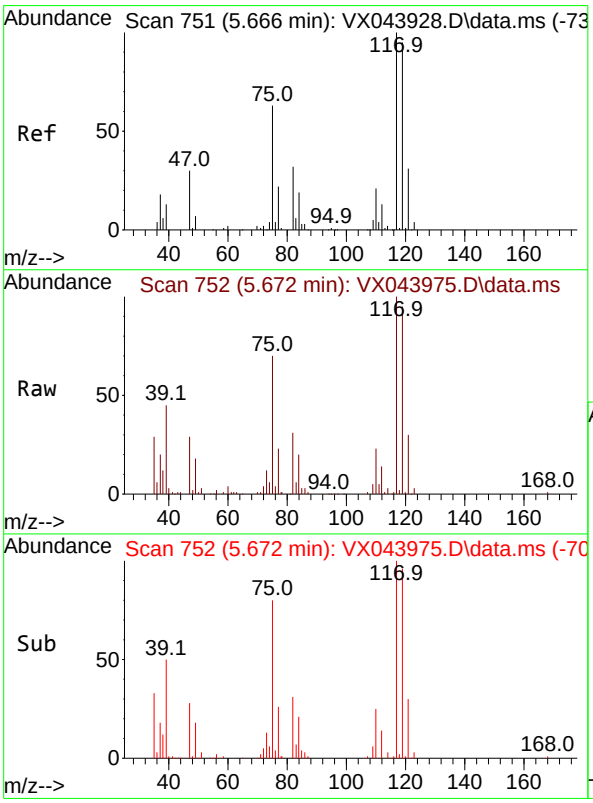
#37
Ethyl Acetate
Concen: 45.245 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 111838

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.5	8.0	12.0

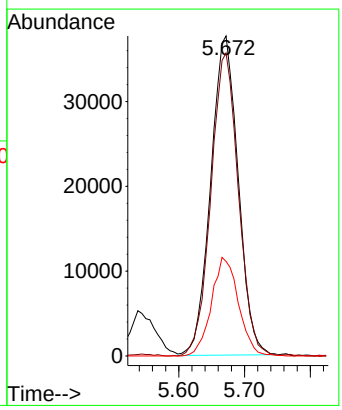


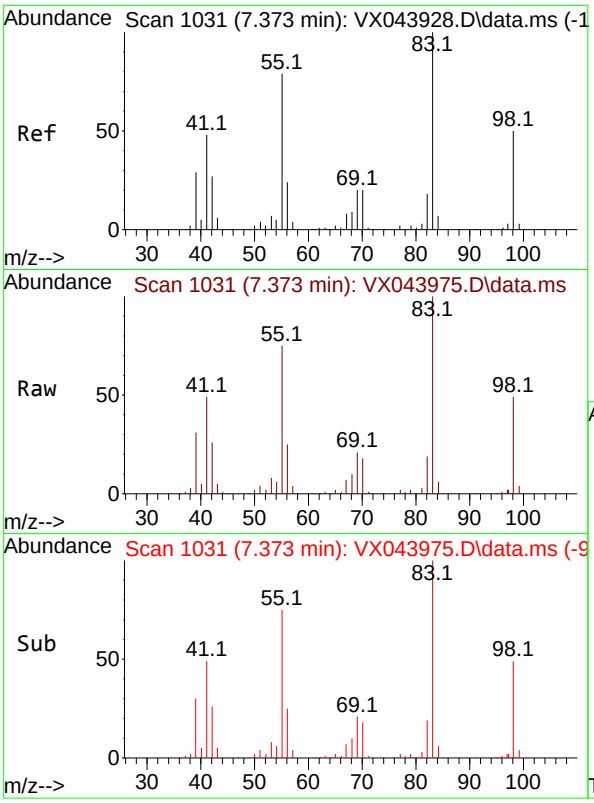


#38
Carbon Tetrachloride
Concen: 48.766 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 109113

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.2	112.8
121	29.7	24.5	36.7



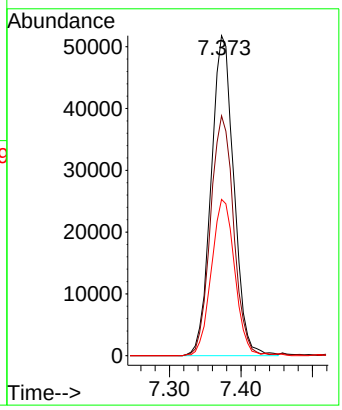


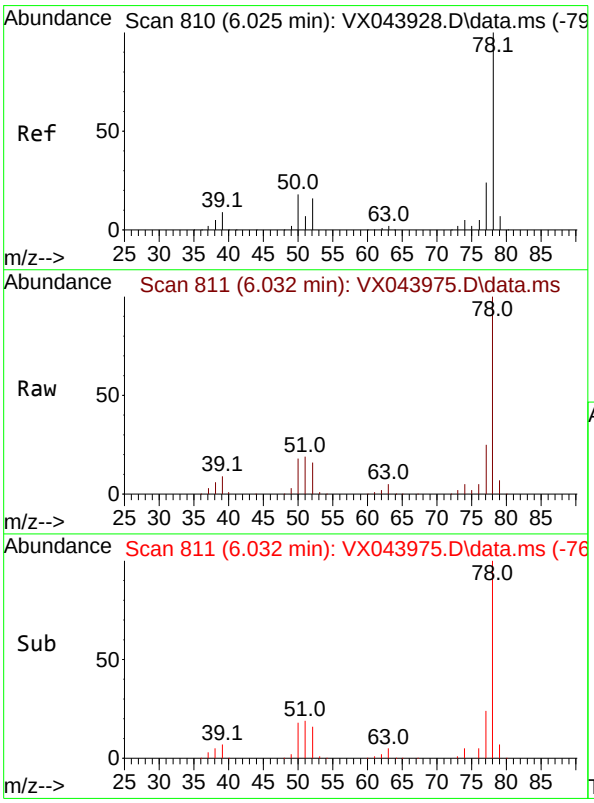
#39
Methylcyclohexane
Concen: 44.283 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 114556

Ion	Ratio	Lower	Upper
83	100		
55	74.9	63.1	94.7
98	48.8	40.0	60.0

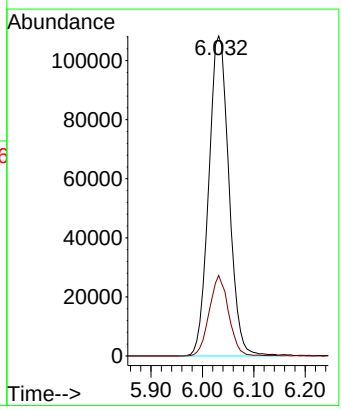


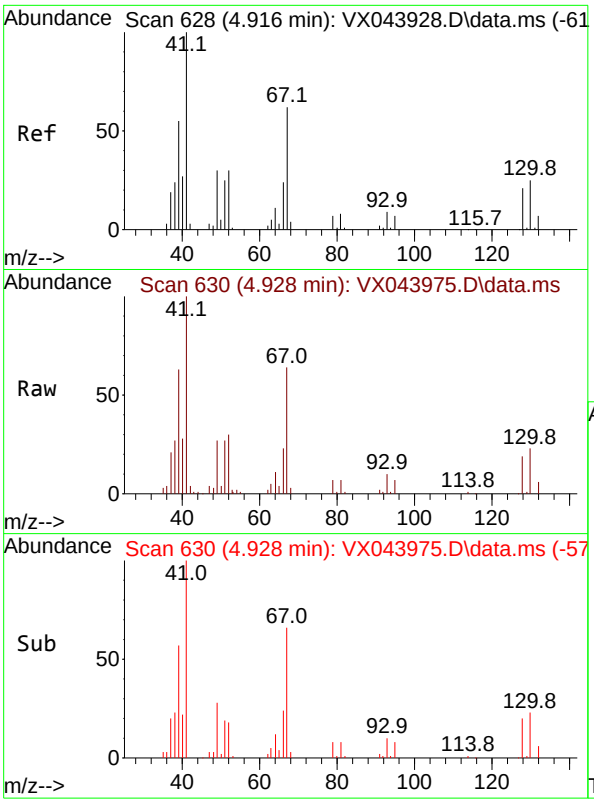


#40
Benzene
Concen: 47.732 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 78 Resp: 296066

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.2	28.8



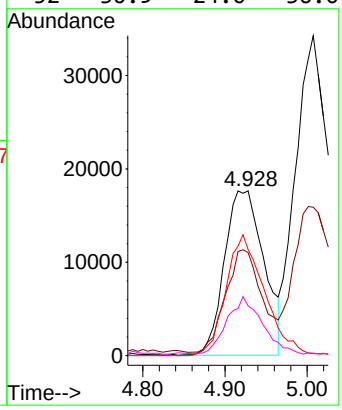


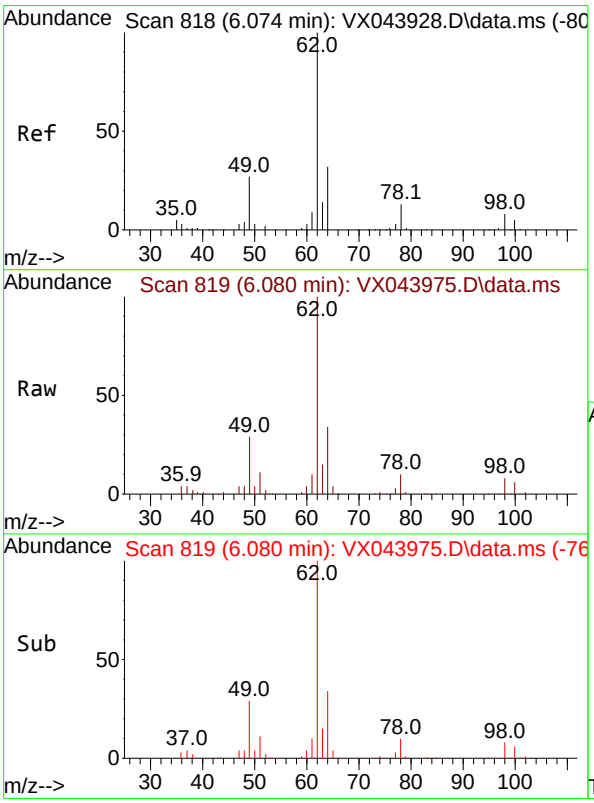
#41
Methacrylonitrile
Concen: 46.538 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 58876

Ion	Ratio	Lower	Upper
41	100		
39	57.9	41.7	62.5
67	72.3	55.8	83.8
52	30.9	24.0	36.0

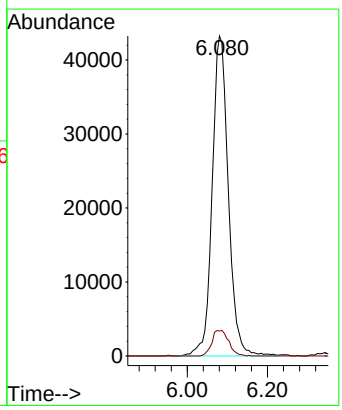


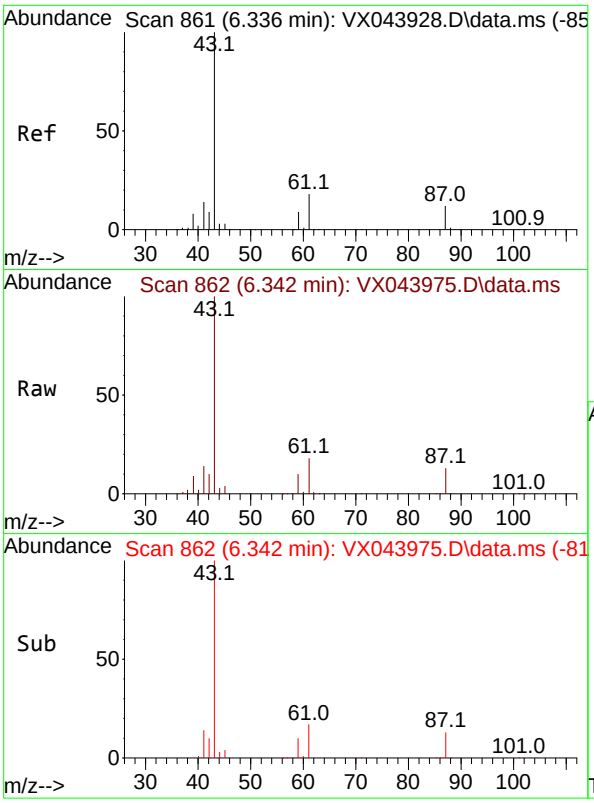


#42
1,2-Dichloroethane
Concen: 48.527 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 120886

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



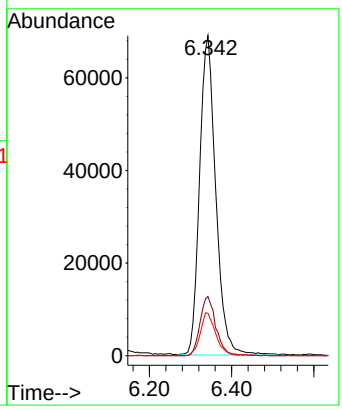


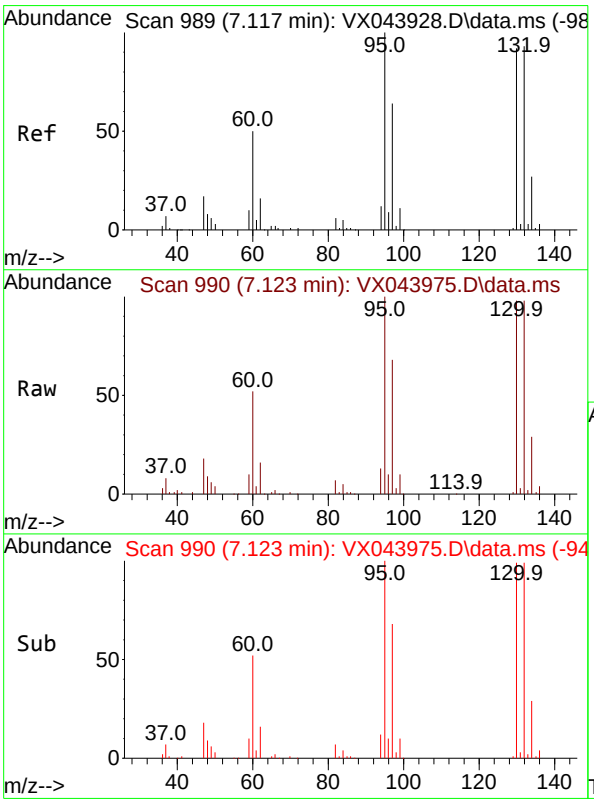
#43
Isopropyl Acetate
Concen: 48.002 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 188827

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.7	10.2	15.2

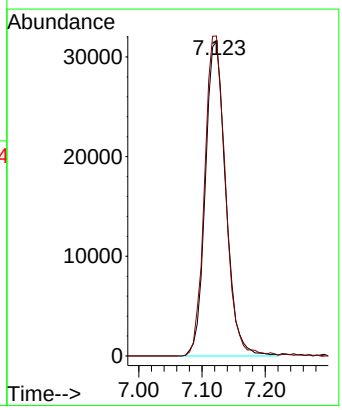


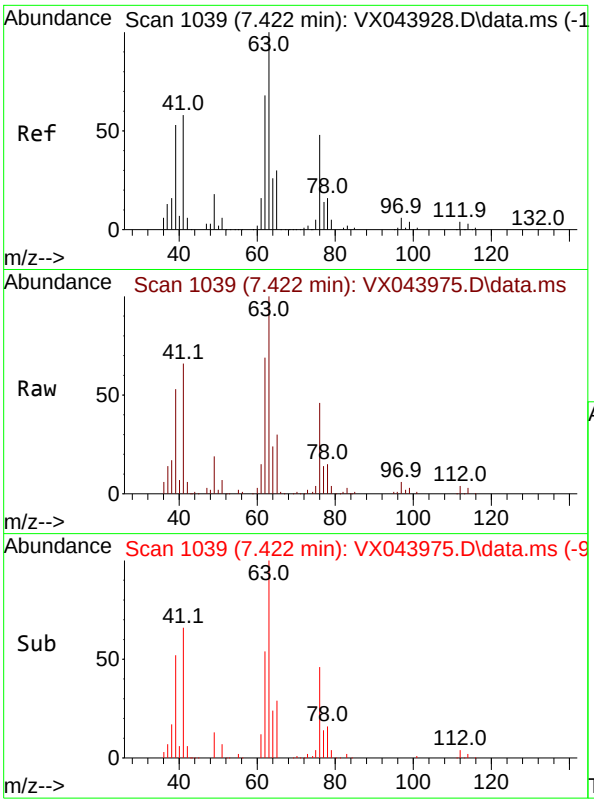


#44
Trichloroethene
Concen: 40.354 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:130 Resp: 70858

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	217.8



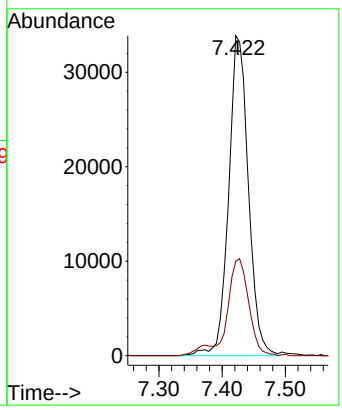


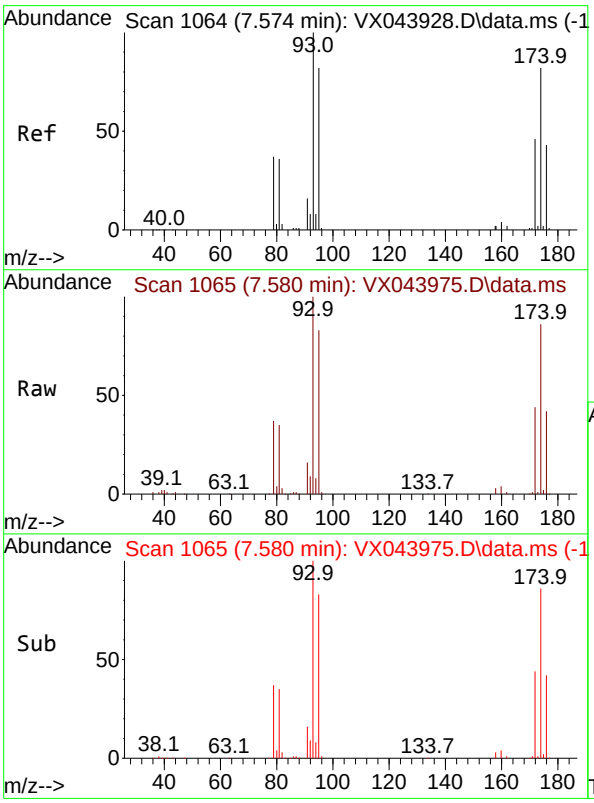
#45
1,2-Dichloropropane
Concen: 48.373 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 73488

Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.8	35.6

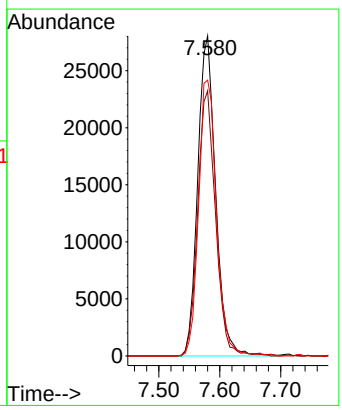


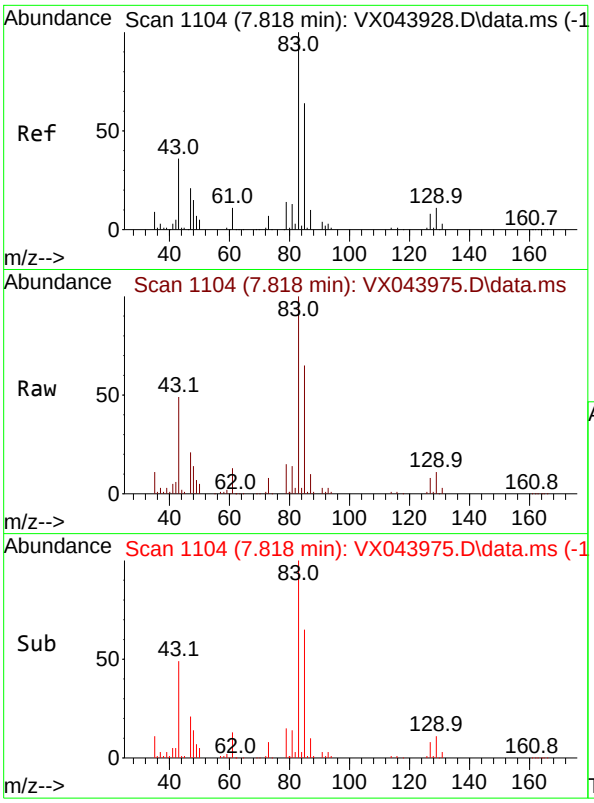


#46
Dibromomethane
Concen: 47.608 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	86.7	69.6	104.4



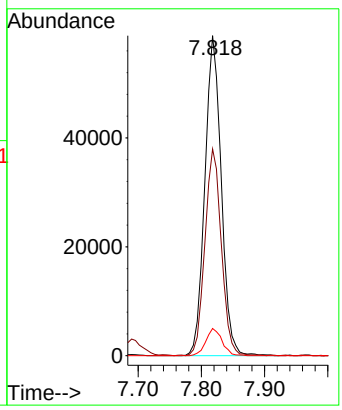


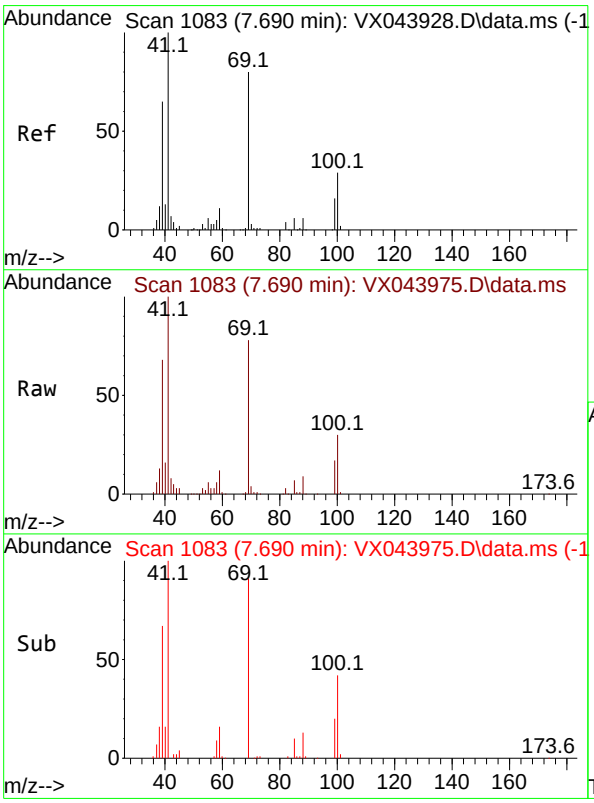
#47
Bromodichloromethane
Concen: 49.233 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 106111

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	8.5	6.6	10.0

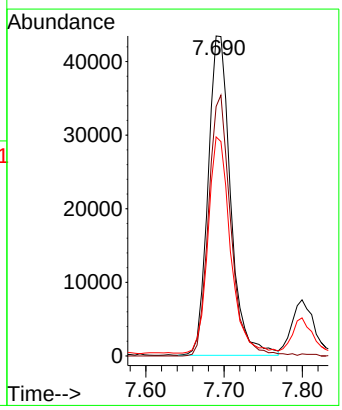


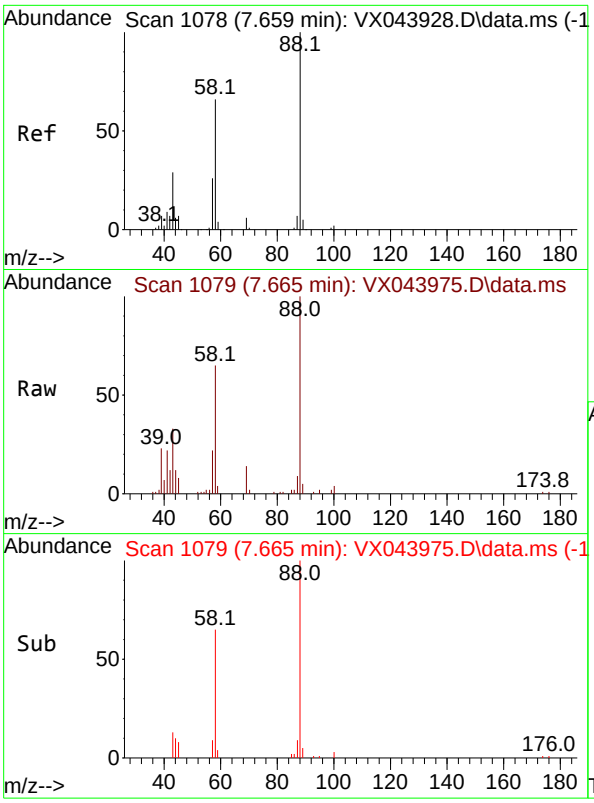


#48
Methyl methacrylate
Concen: 45.987 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 86803

Ion	Ratio	Lower	Upper
41	100		
69	80.4	64.6	97.0
39	67.2	53.3	79.9



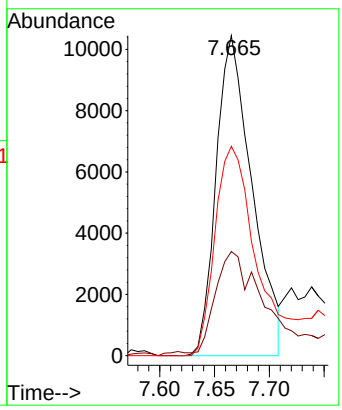


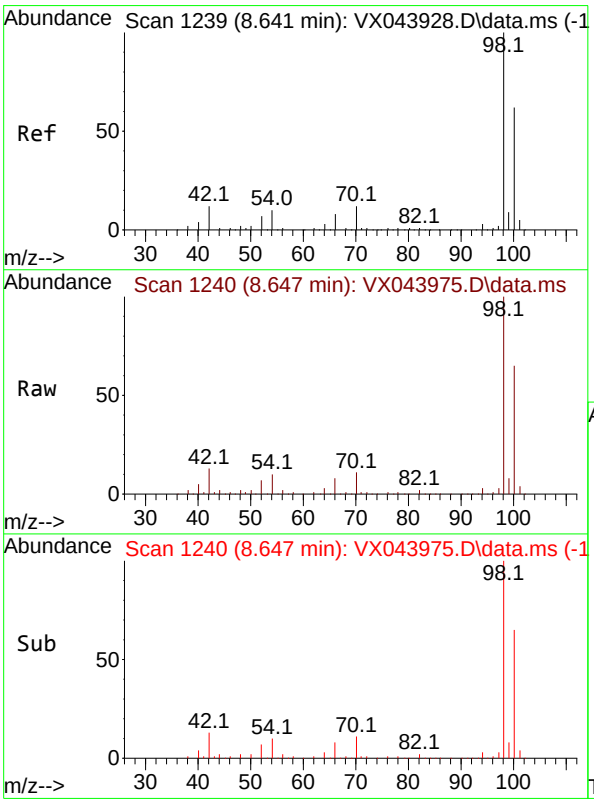
#49
1,4-Dioxane
Concen: 708.970 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 23838

Ion	Ratio	Lower	Upper
88	100		
43	43.2	26.8	40.2#
58	76.3	45.4	68.2#

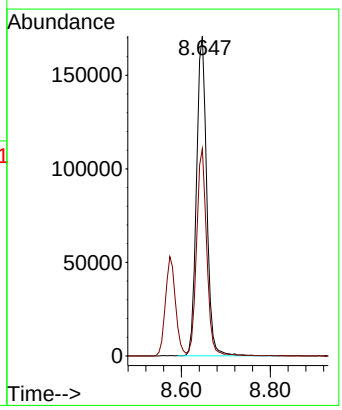


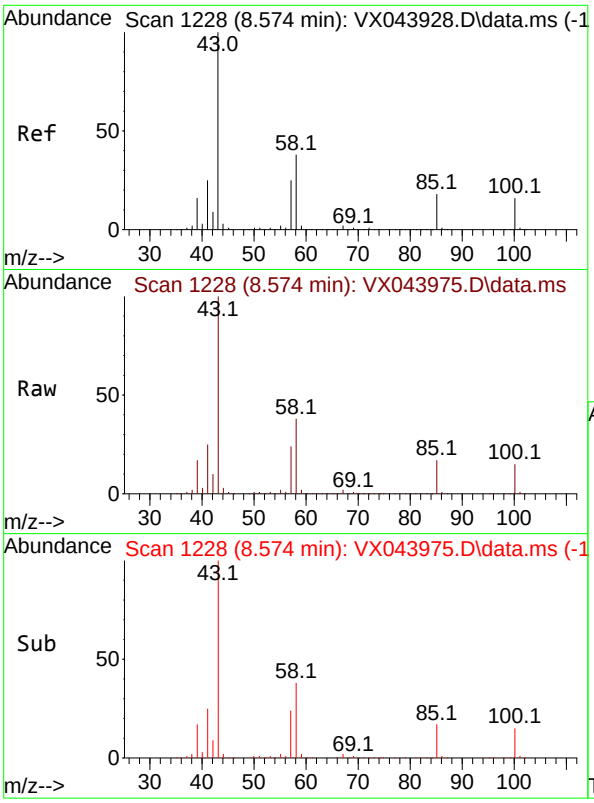


#50
Toluene-d8
Concen: 49.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 98 Resp: 272032

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0



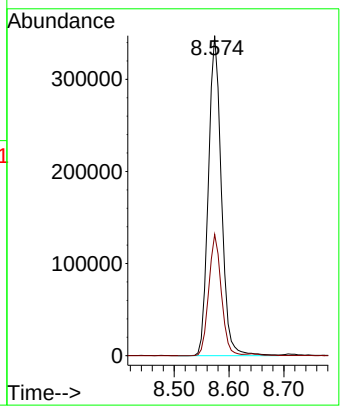


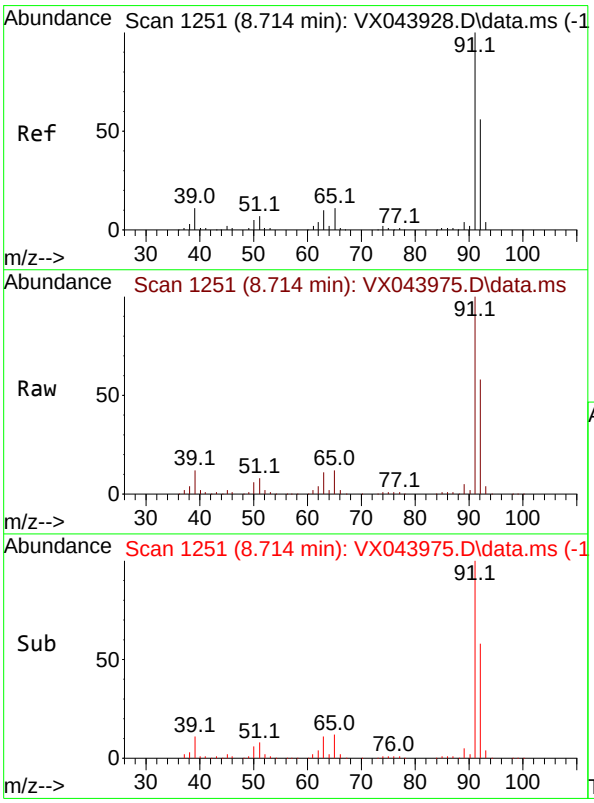
#51
4-Methyl-2-Pentanone
Concen: 237.028 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 569005

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.0	45.0

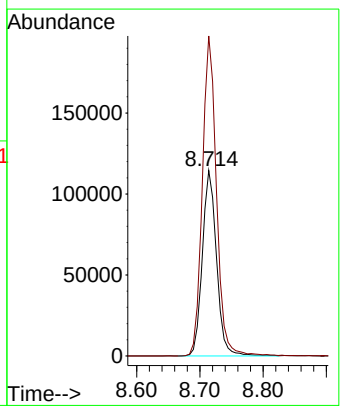


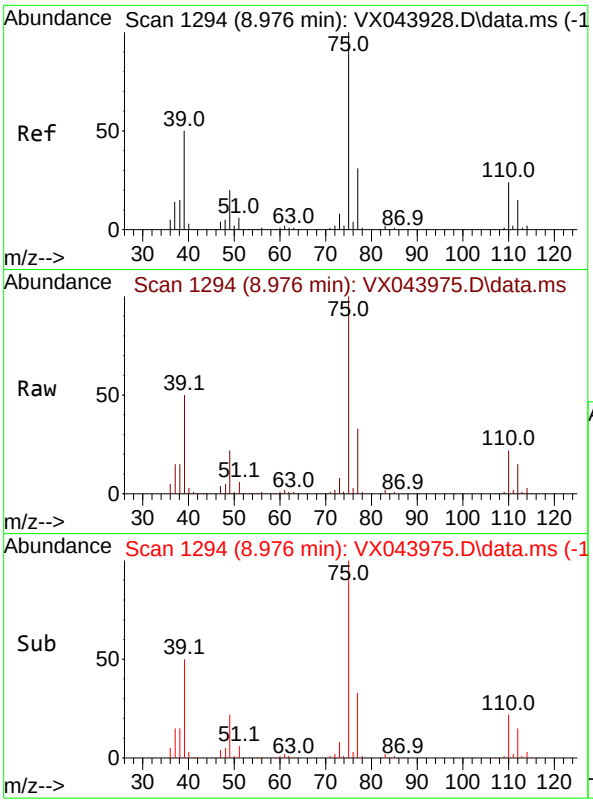


#52
Toluene
Concen: 48.314 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 92 Resp: 179366

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.7	209.5



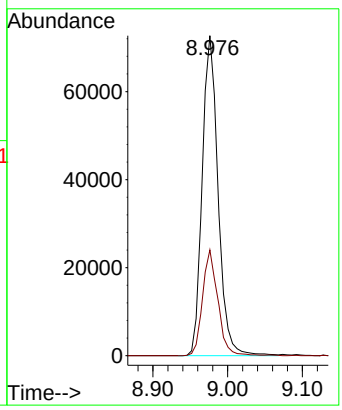


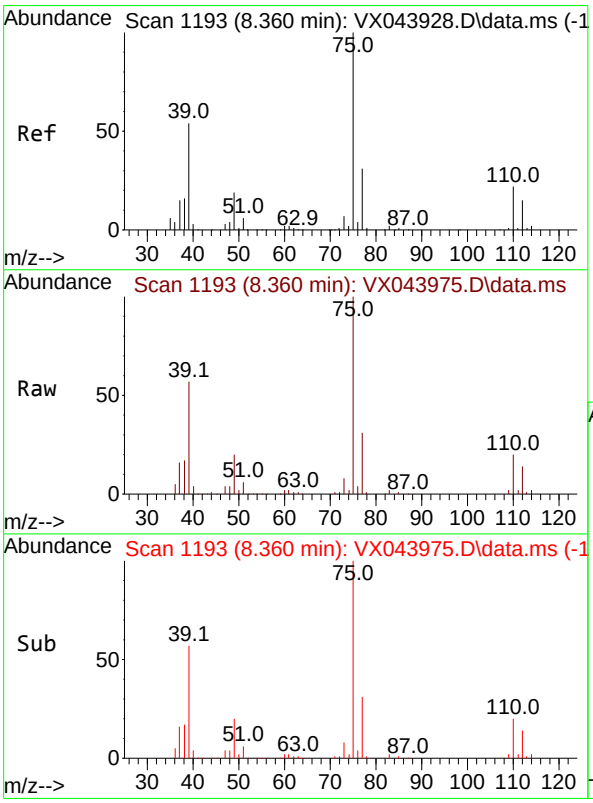
#53
t-1,3-Dichloropropene
Concen: 48.867 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 107403

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7

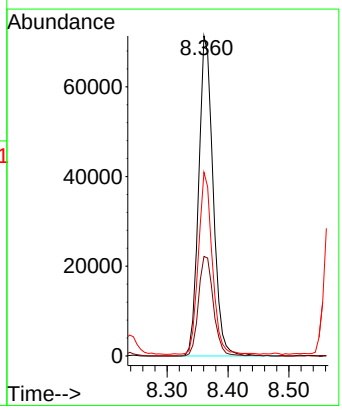


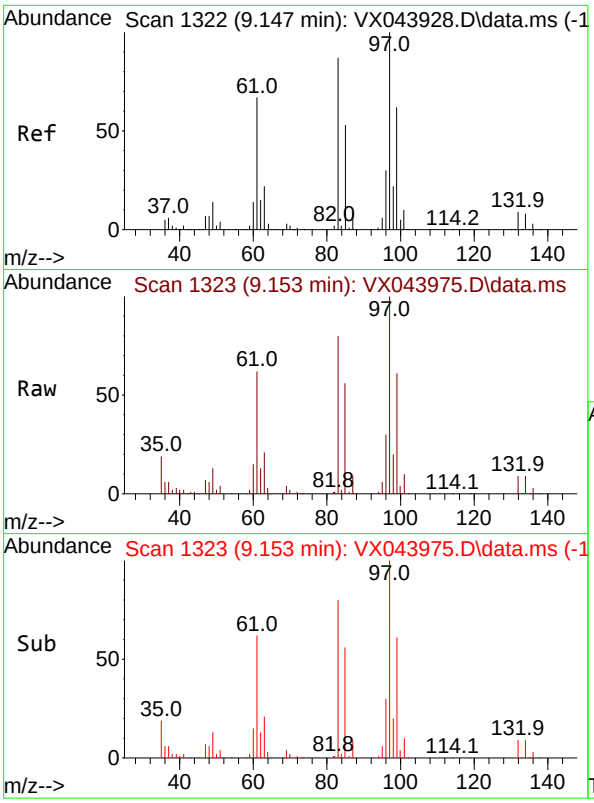


#54
cis-1,3-Dichloropropene
Concen: 48.756 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 117473

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	56.8	43.1	64.7



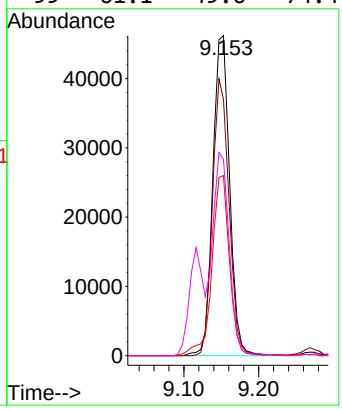


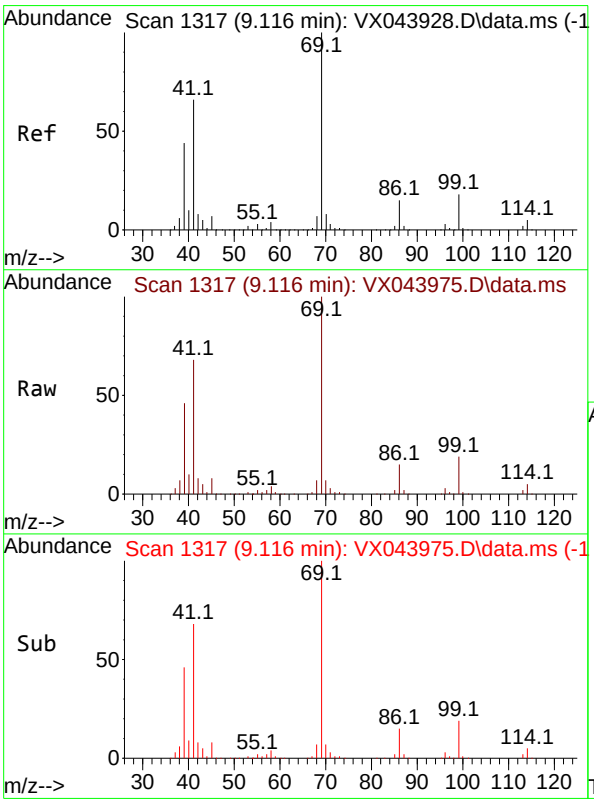
#55
1,1,2-Trichloroethane
Concen: 47.244 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 72401

Ion	Ratio	Lower	Upper
97	100		
83	80.1	69.4	104.0
85	56.1	42.3	63.5
99	61.1	49.6	74.4

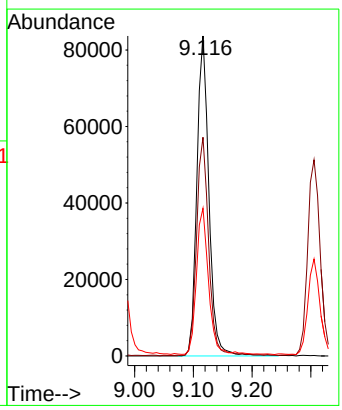


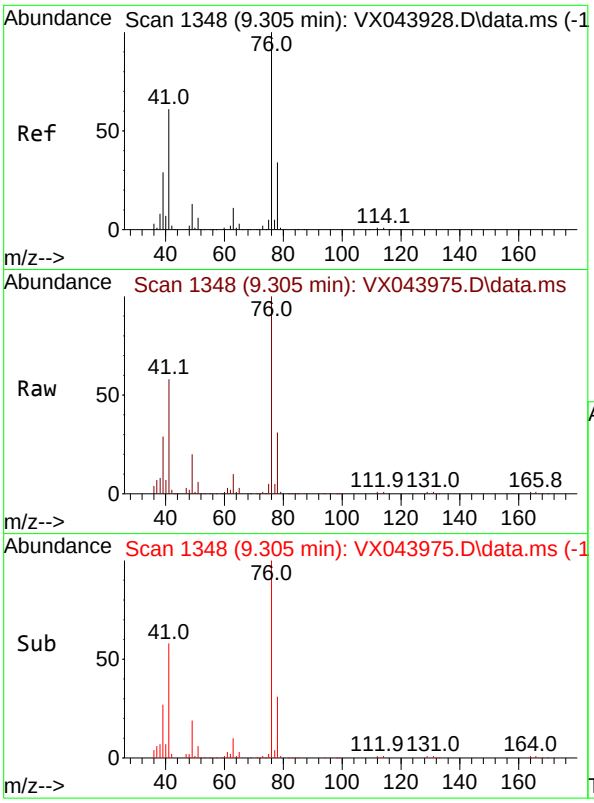


#56
Ethyl methacrylate
Concen: 49.720 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 69 Resp: 118682

Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.8
39	45.4	36.7	55.1



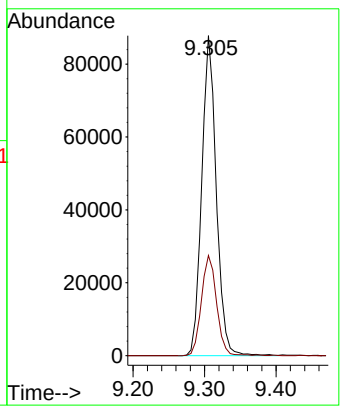


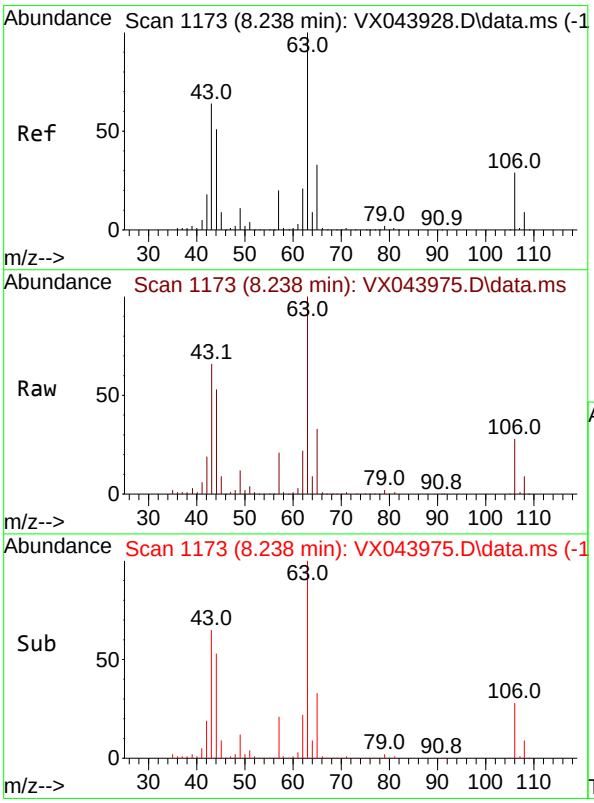
#57
1,3-Dichloropropane
Concen: 48.020 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 123967

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

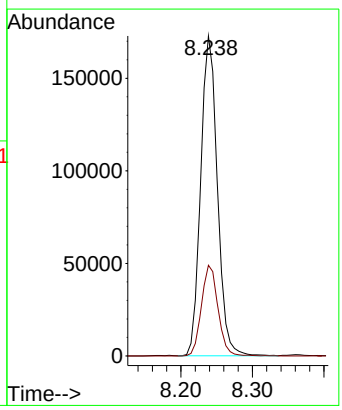


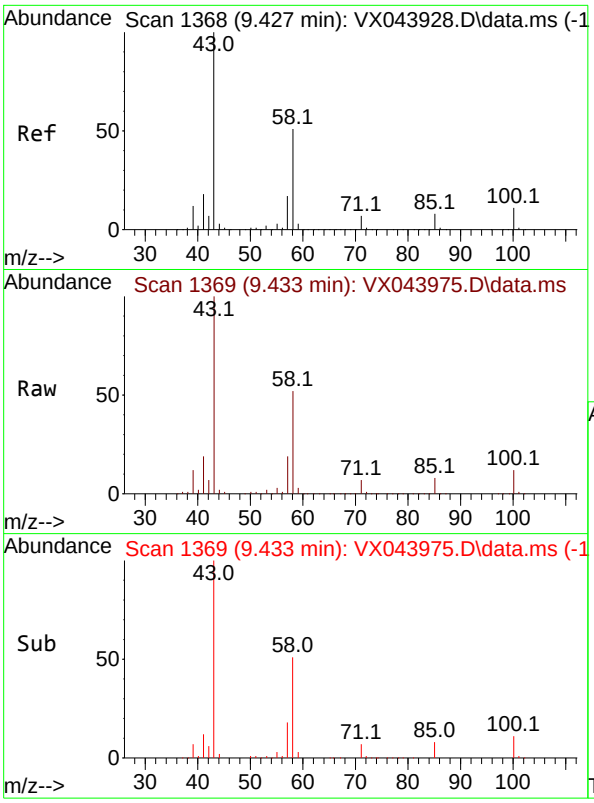


#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 279741

Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.0	34.6



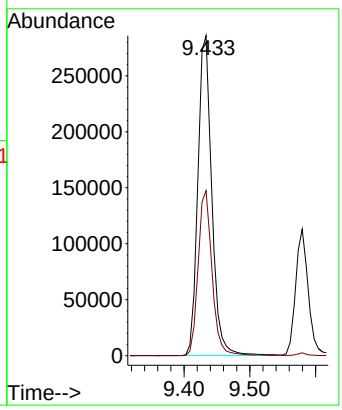


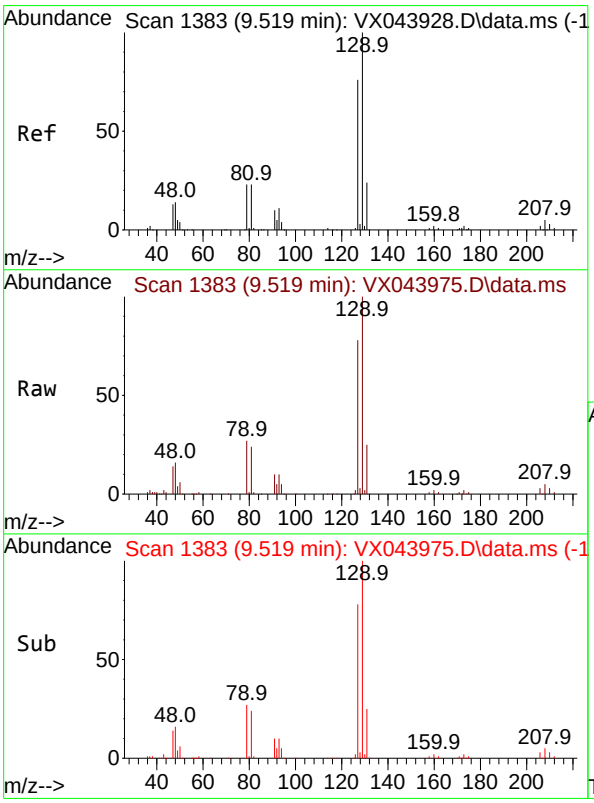
#59
2-Hexanone
Concen: 233.298 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 420948

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

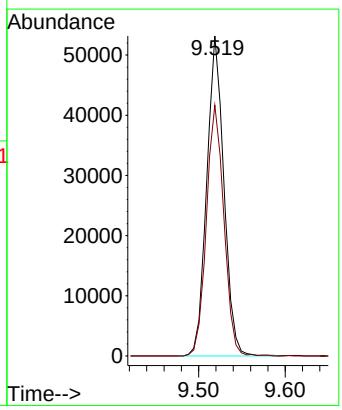


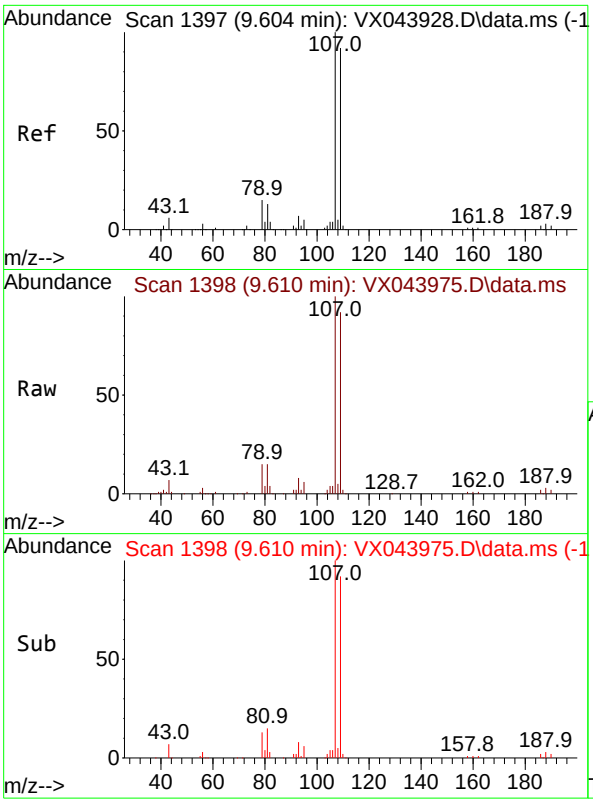


#60
Dibromochloromethane
Concen: 47.547 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:129 Resp: 73109

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.2	114.6



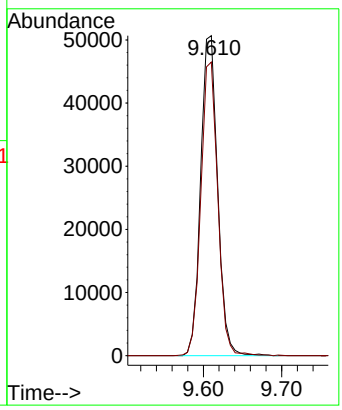


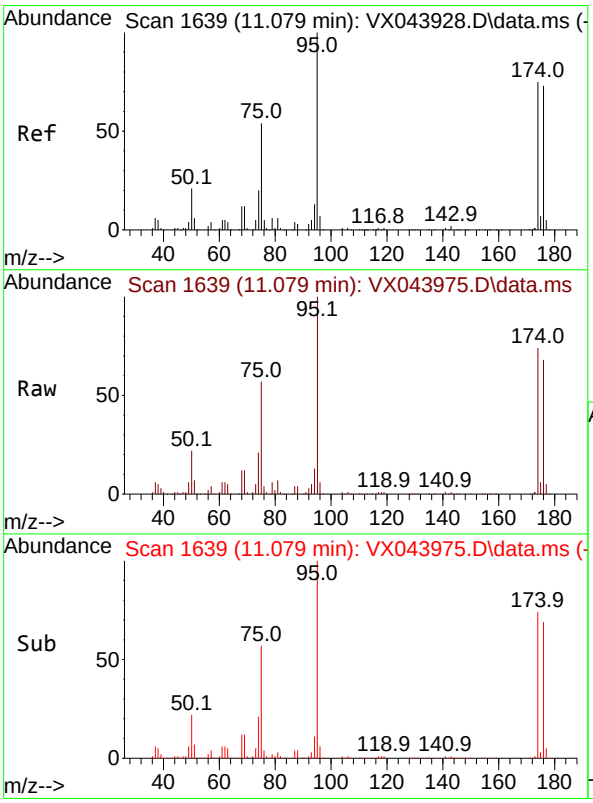
#61
1,2-Dibromoethane
Concen: 49.118 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 76113

Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.2	112.8

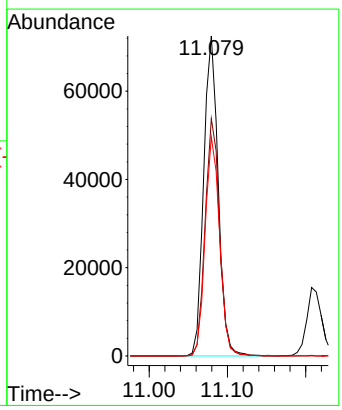


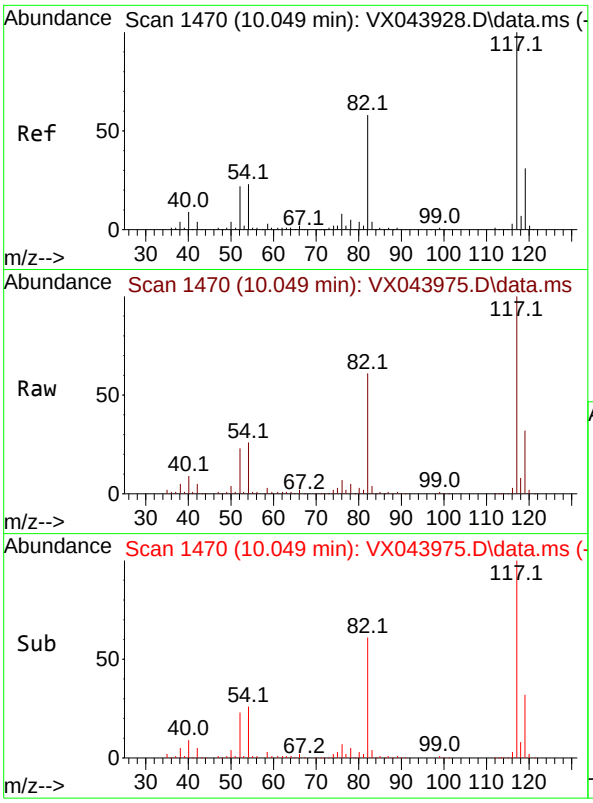


#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	150.4
176	68.4	0.0	146.0



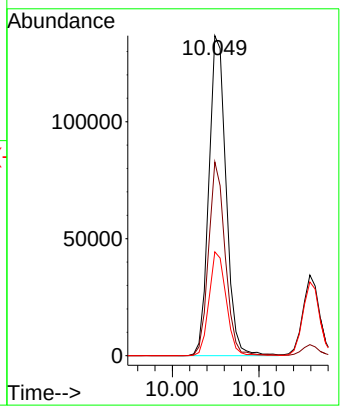


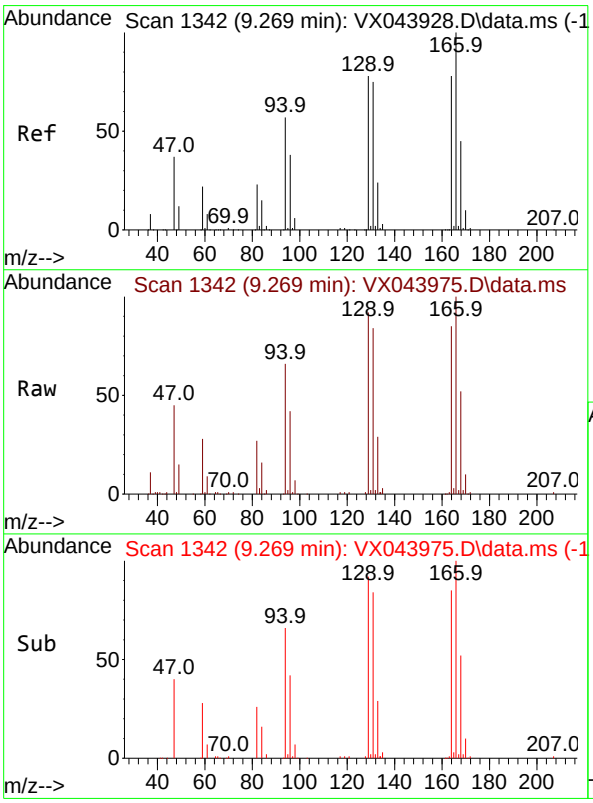
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 188299

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.4	69.6
119	32.5	24.6	37.0

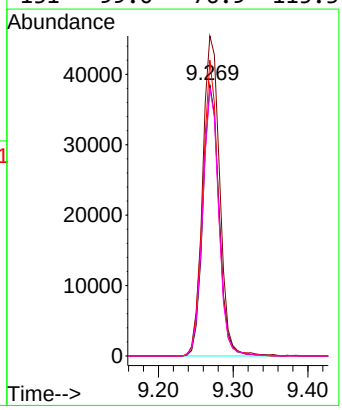


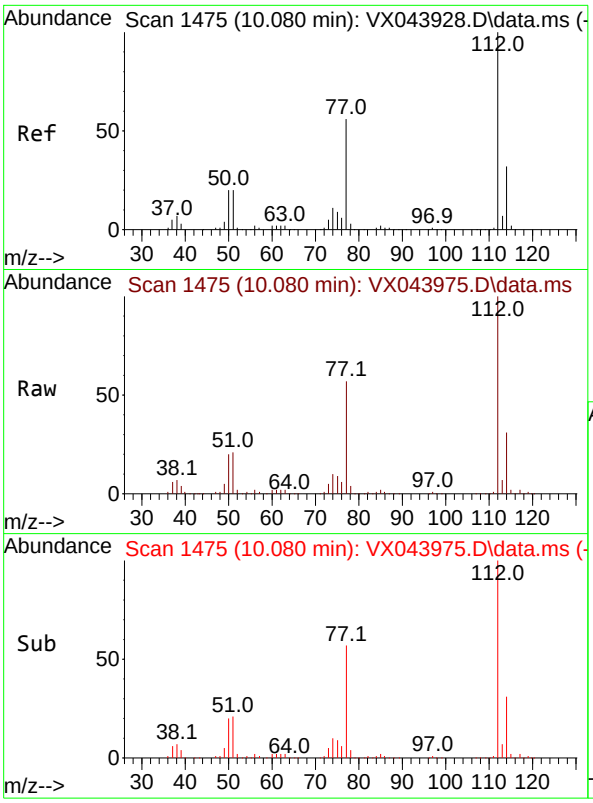


#64
Tetrachloroethene
Concen: 46.307 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:164 Resp: 57495

Ion	Ratio	Lower	Upper
164	100		
166	118.2	102.1	153.1
129	109.2	79.6	119.4
131	99.0	76.9	115.3



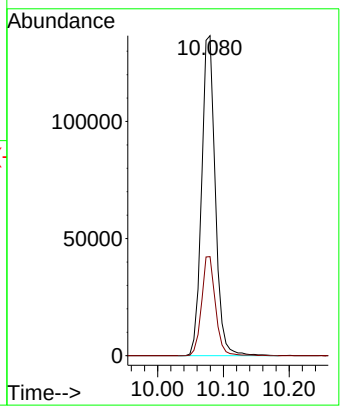


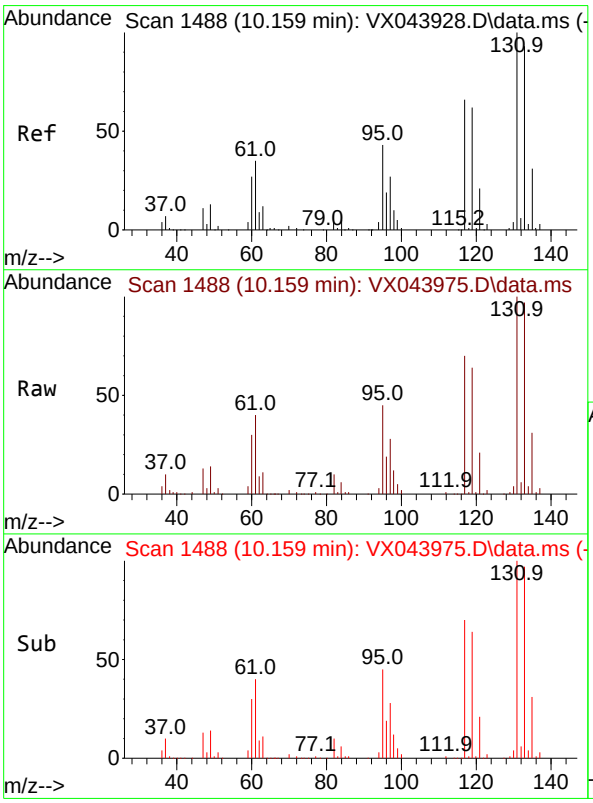
#65
Chlorobenzene
Concen: 47.680 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 197185

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

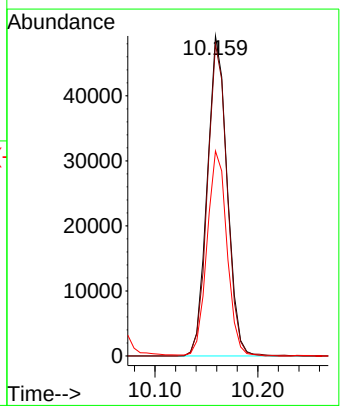


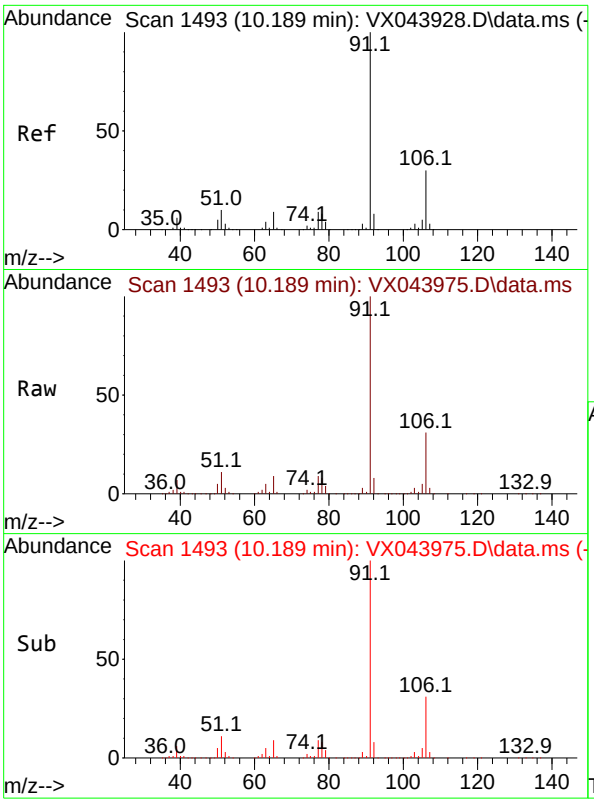


#66
1,1,1,2-Tetrachloroethane
Concen: 49.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:131 Resp: 66254

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.2	144.6
119	64.2	31.5	94.5



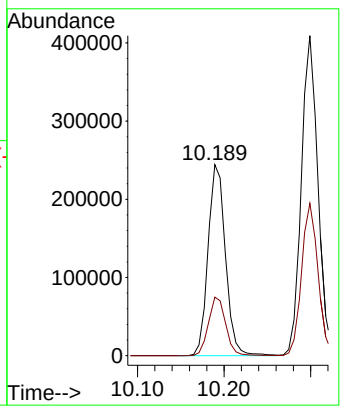


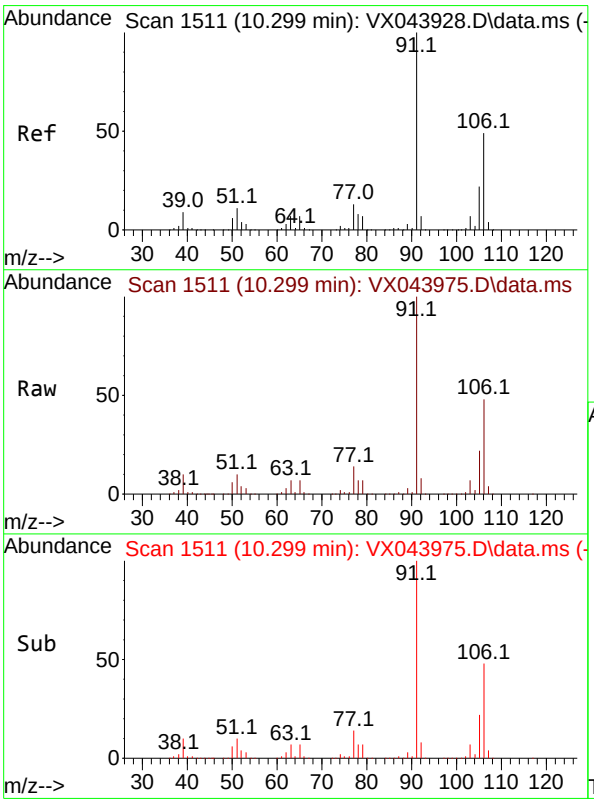
#67
Ethyl Benzene
Concen: 48.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 341272

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

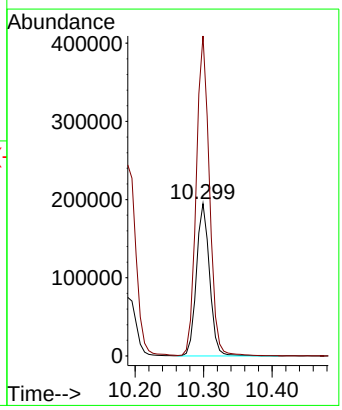


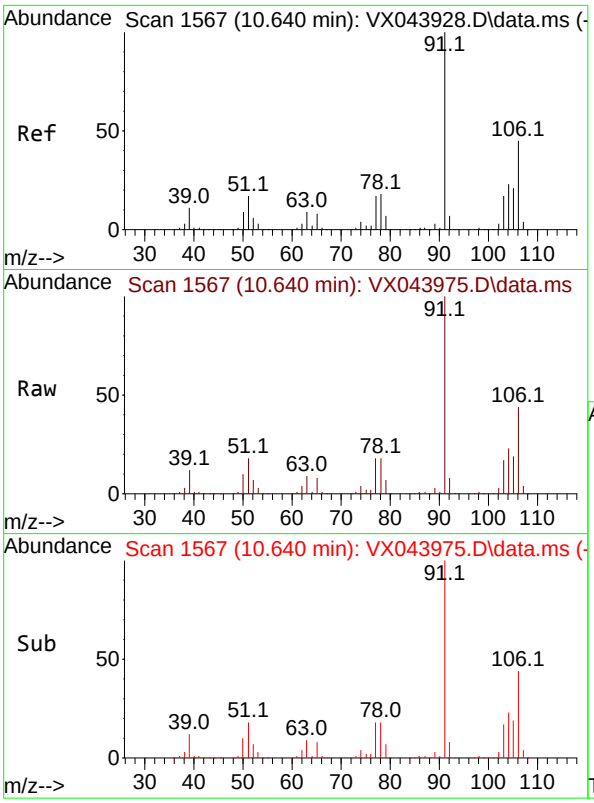


#68
m/p-Xylenes
Concen: 99.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:106 Resp: 259471

Ion	Ratio	Lower	Upper
106	100		
91	211.5	168.1	252.1



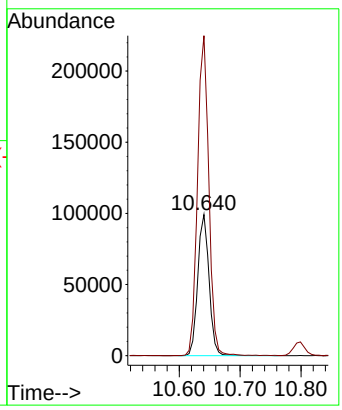


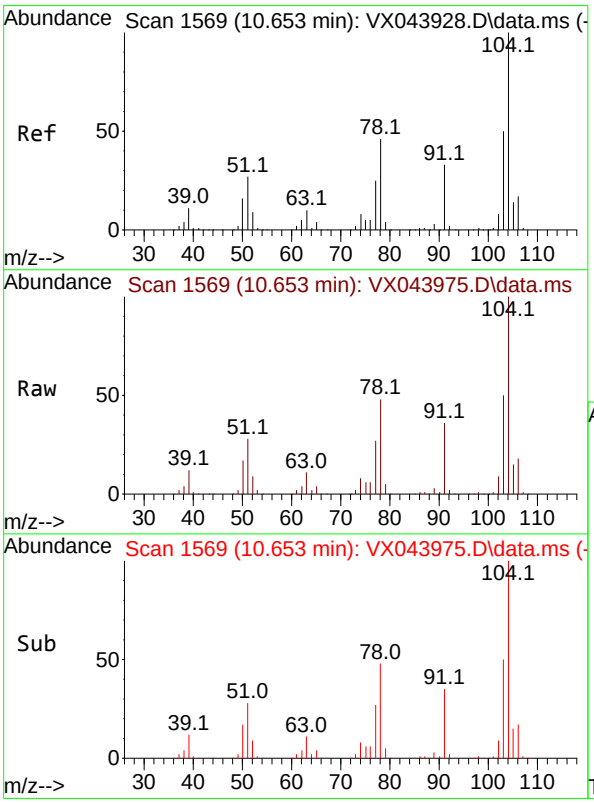
#69
o-Xylene
Concen: 49.924 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 127383

Ion	Ratio	Lower	Upper
106	100		
91	226.5	110.2	330.6

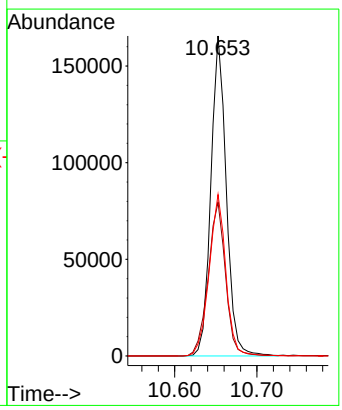


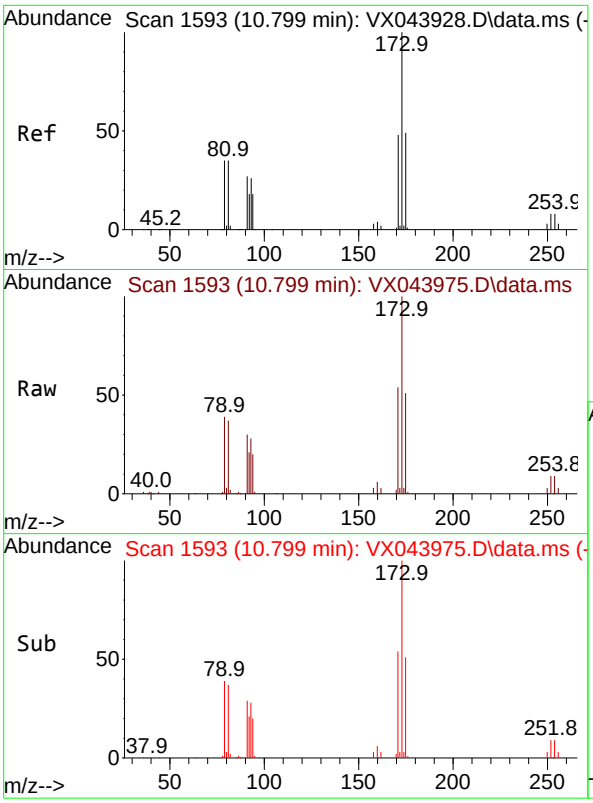


#70
Styrene
Concen: 51.134 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:104 Resp: 215795

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.2
103	54.8	44.7	67.1



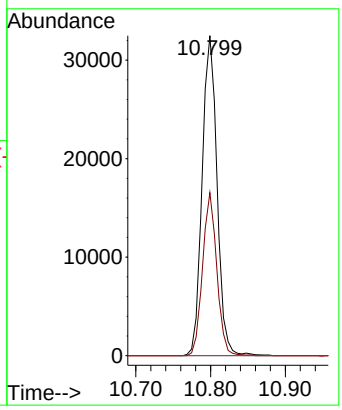


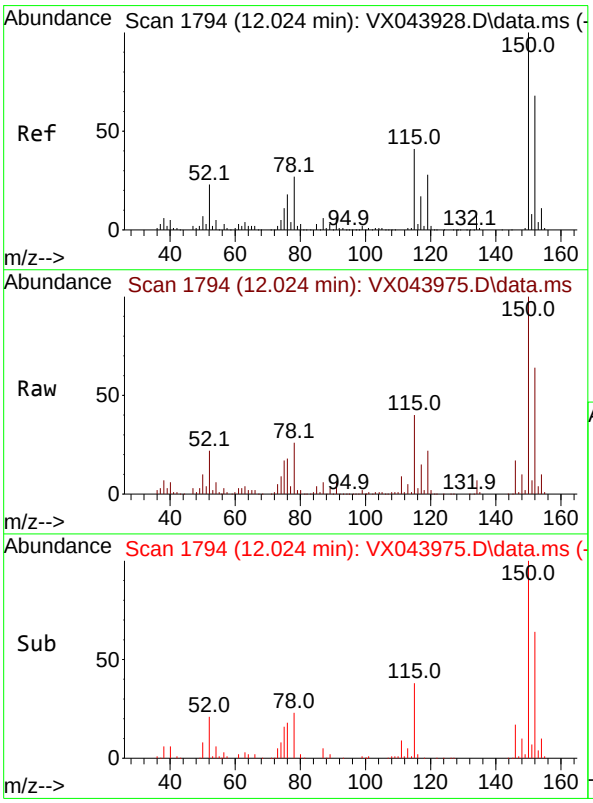
#71
Bromoform
Concen: 44.579 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 45026

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.0	0.0	0.0

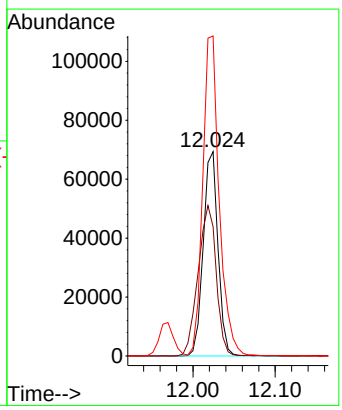


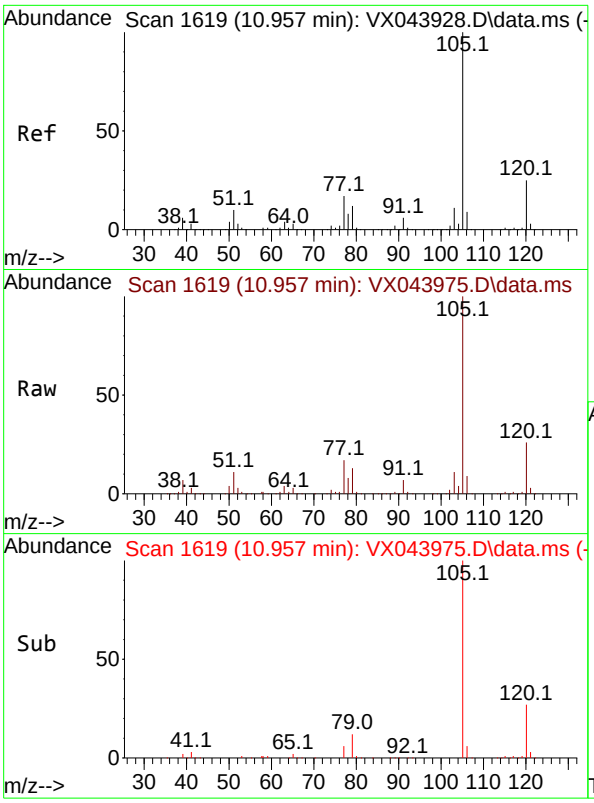


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:152 Resp: 86425

Ion	Ratio	Lower	Upper
152	100		
115	90.5	45.4	136.2
150	174.4	0.0	353.0



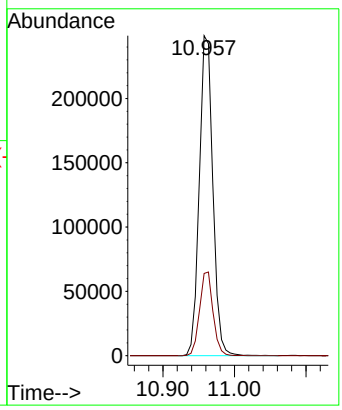


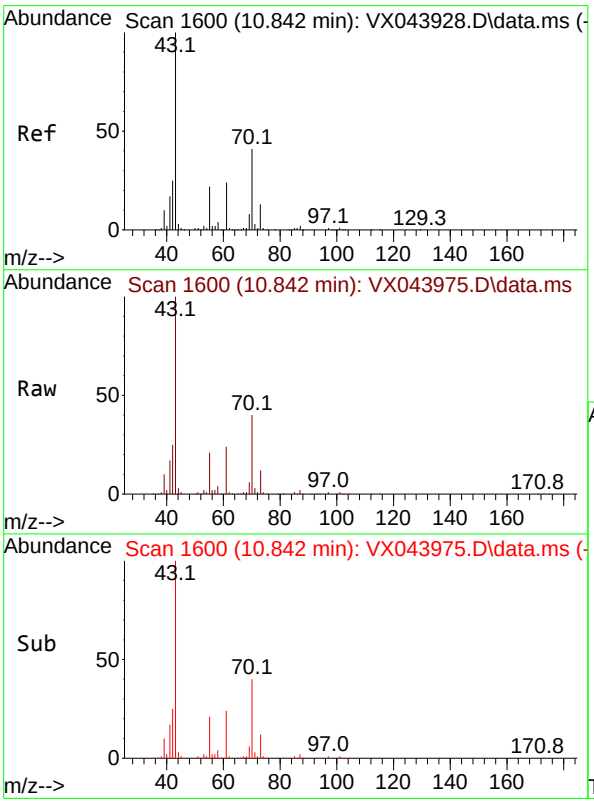
#73
Isopropylbenzene
Concen: 49.244 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 327150

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

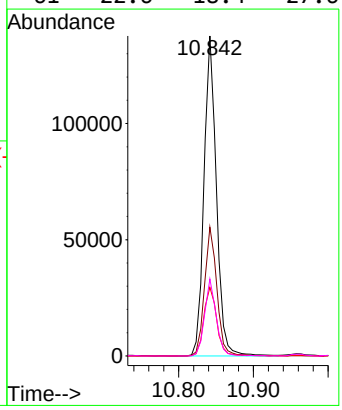


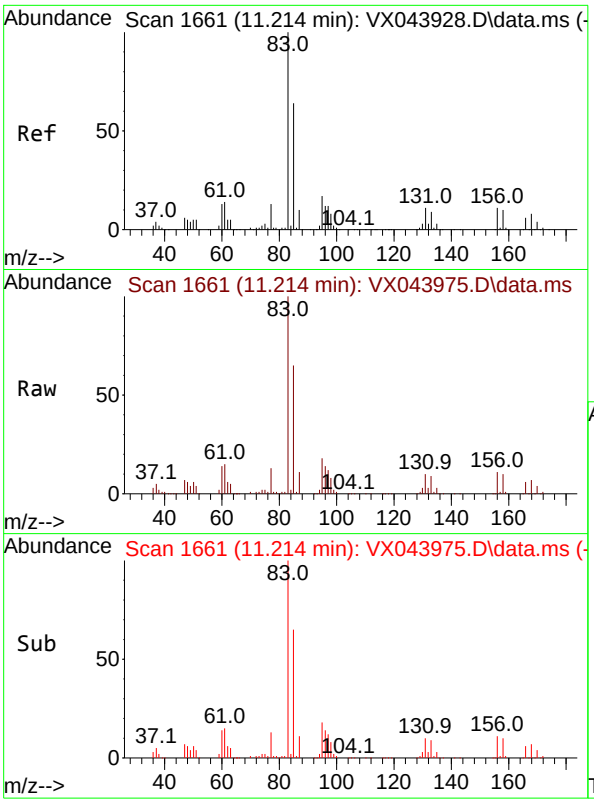


#74
N-amyl acetate
Concen: 51.633 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	22.5	18.1	27.1
61	22.6	18.4	27.6



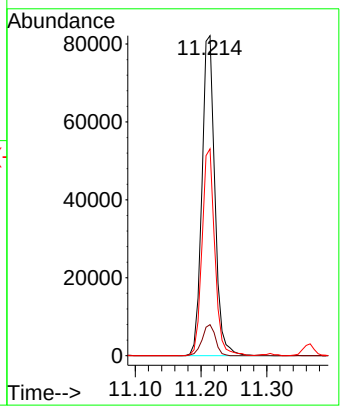


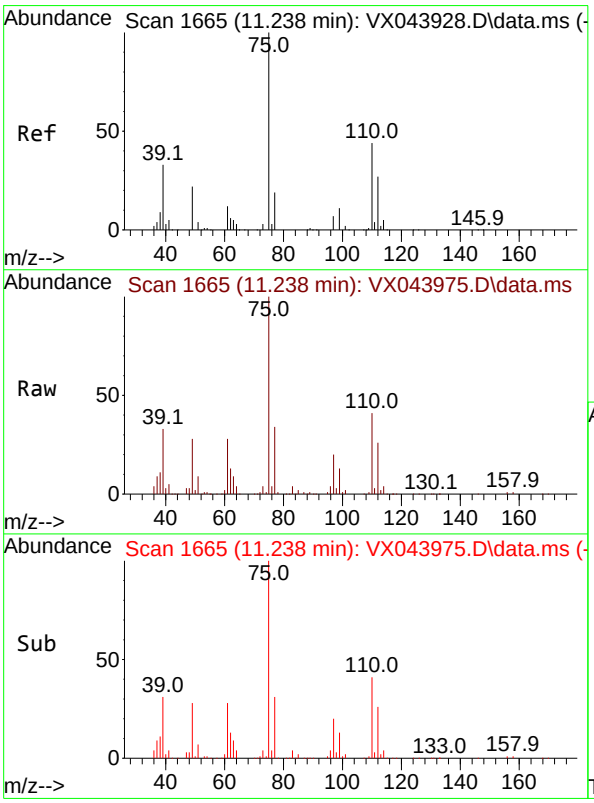
#75
1,1,2,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 112173

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	63.9	32.2	96.6

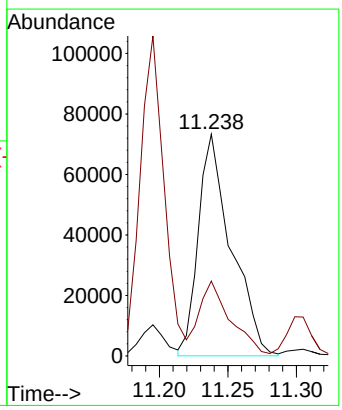


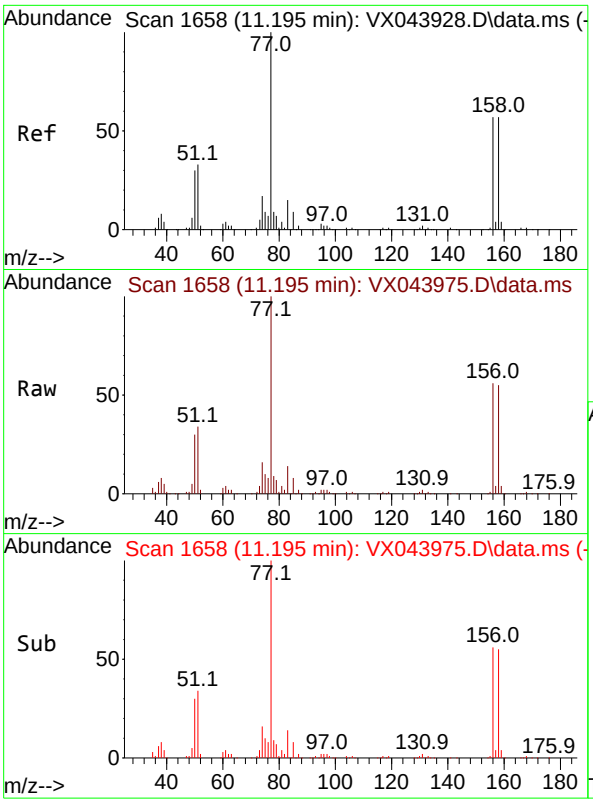


#76
1,2,3-Trichloropropane
Concen: 64.696 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 122618

Ion	Ratio	Lower	Upper
75	100		
77	32.3	21.8	65.3



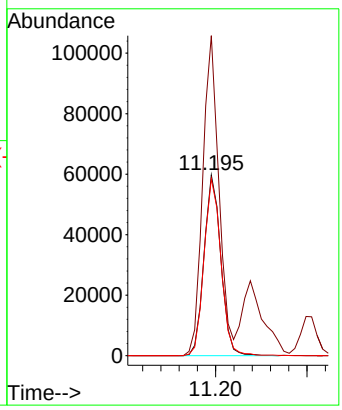


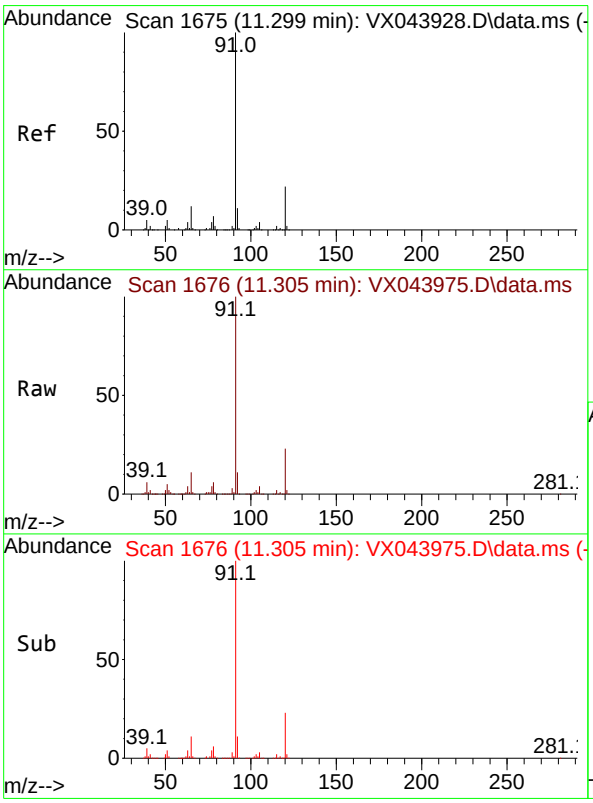
#77
Bromobenzene
Concen: 47.990 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 76053

Ion	Ratio	Lower	Upper
156	100		
77	170.8	83.4	250.1
158	99.1	47.6	142.8

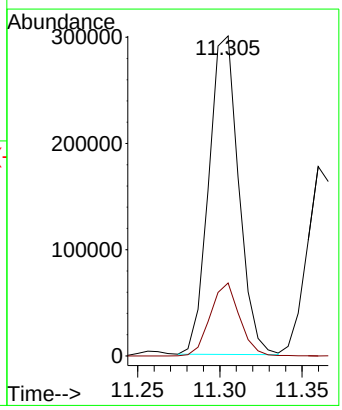


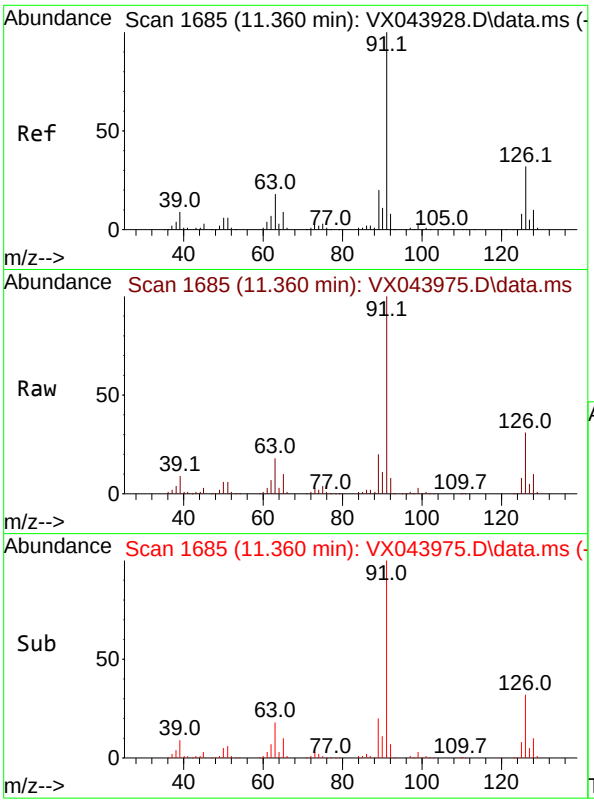


#78
n-propylbenzene
Concen: 51.172 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 379686

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4



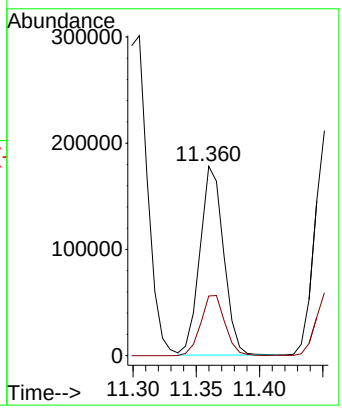


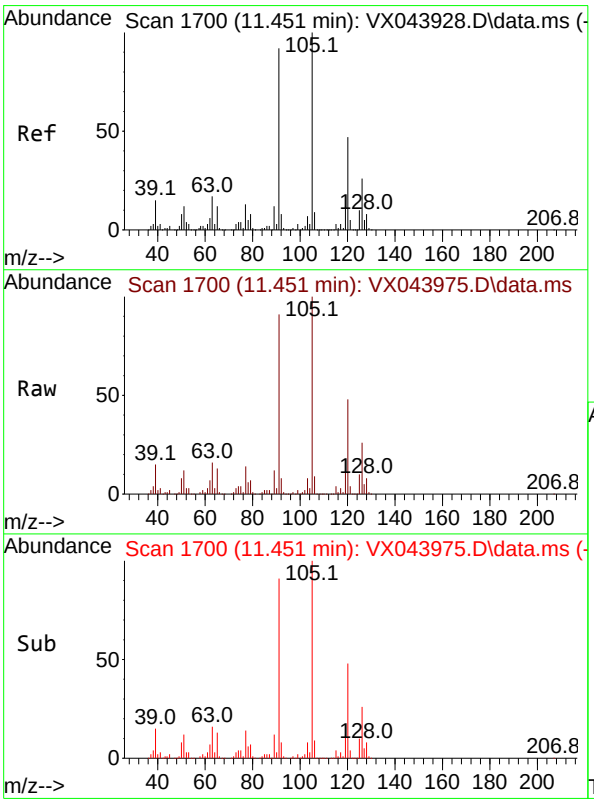
#79
2-Chlorotoluene
Concen: 49.328 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 231439

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.8

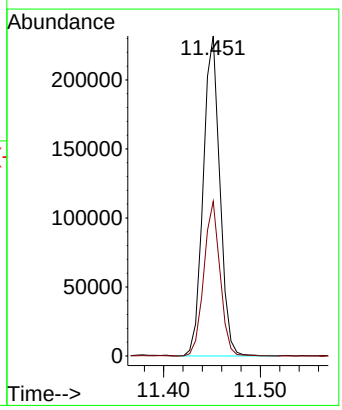


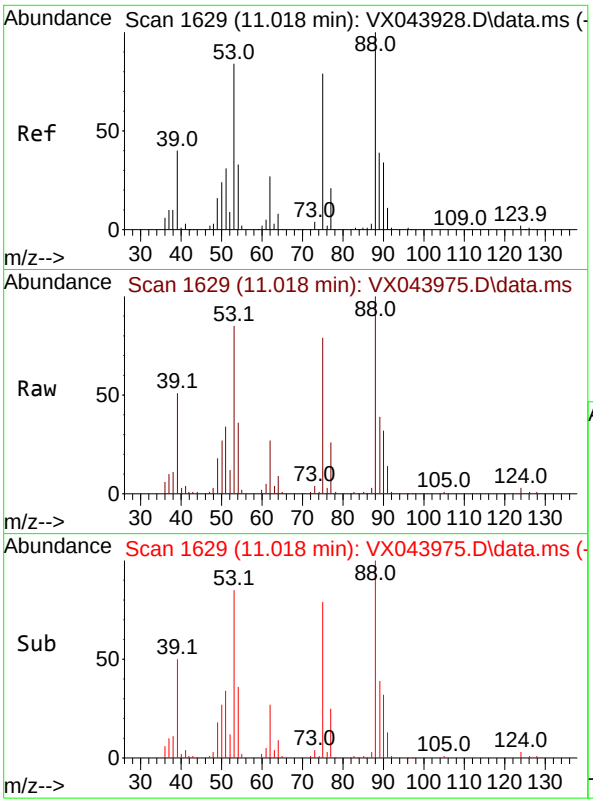


#80
1,3,5-Trimethylbenzene
Concen: 50.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8



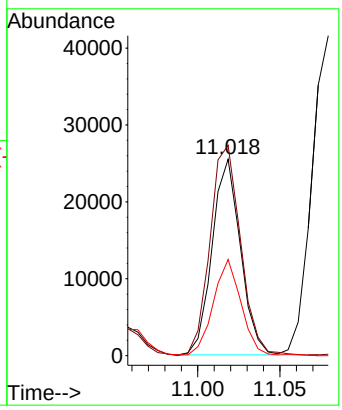


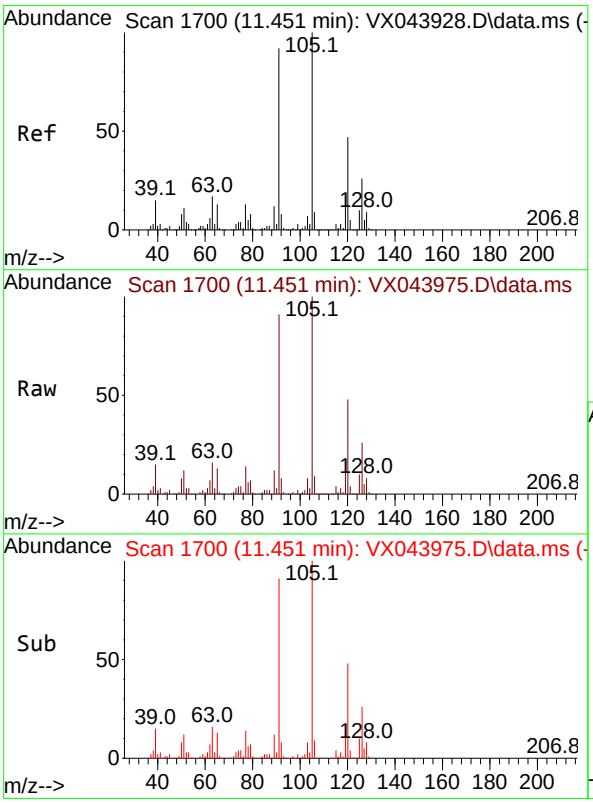
#81
trans-1,4-Dichloro-2-butene
Concen: 44.087 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 30621

Ion	Ratio	Lower	Upper
75	100		
53	116.2	86.7	130.1
89	48.4	38.2	57.2

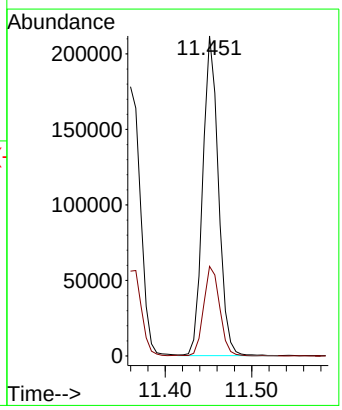


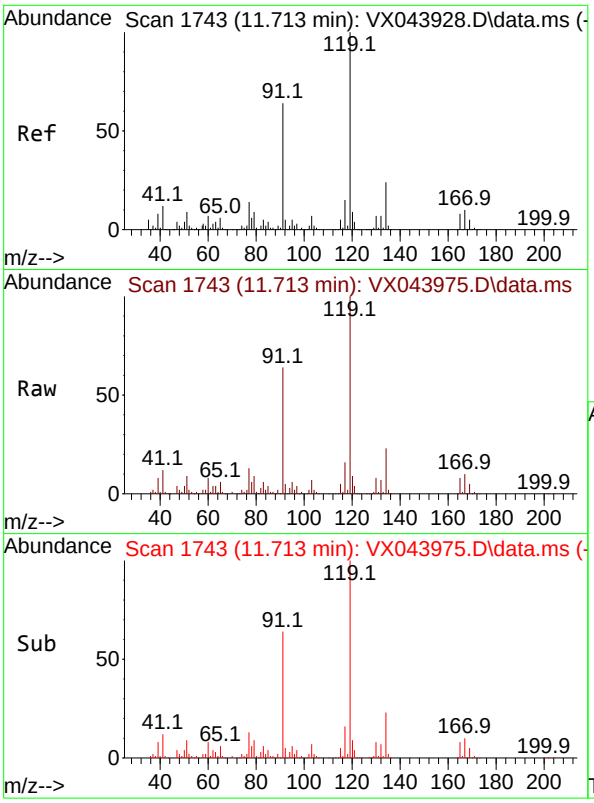


#82
4-Chlorotoluene
Concen: 50.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 265745

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9



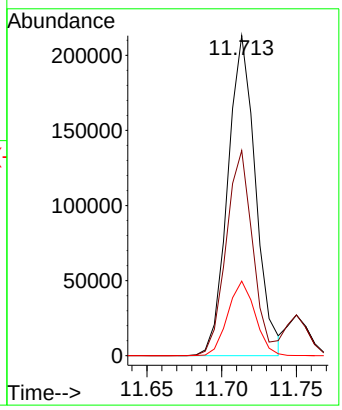


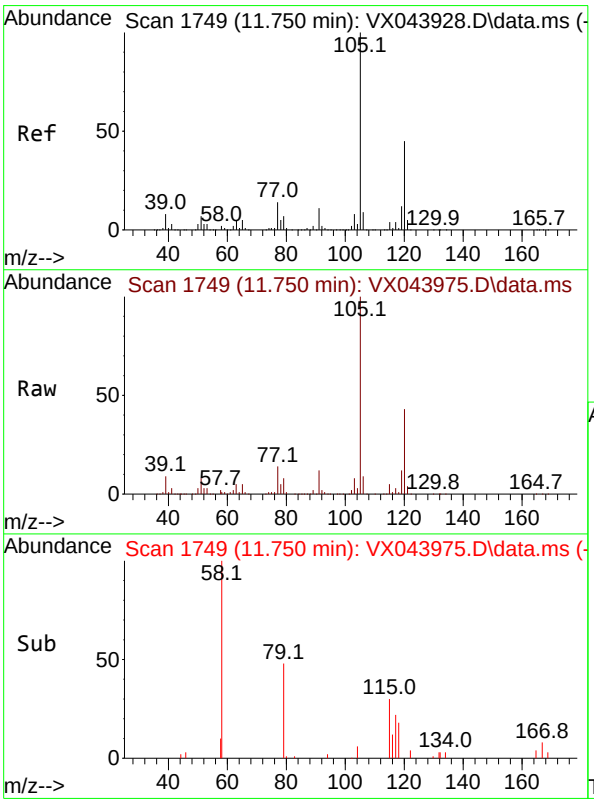
#83
tert-Butylbenzene
Concen: 50.777 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 275078

Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.0	93.0
134	22.9	11.6	34.8

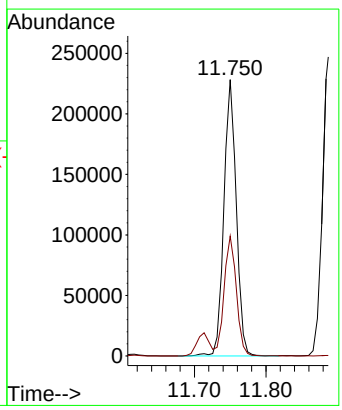


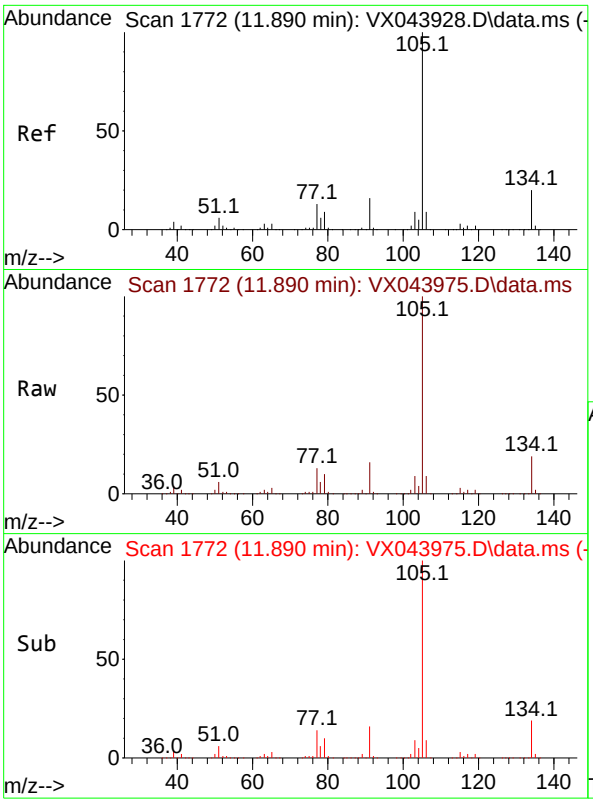


#84
1,2,4-Trimethylbenzene
Concen: 50.446 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 274500

Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7



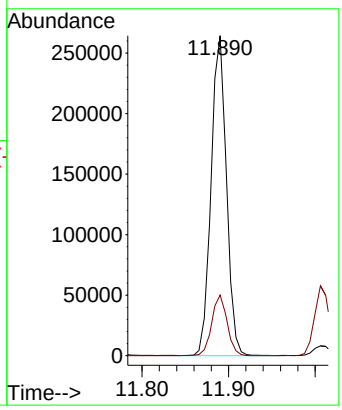


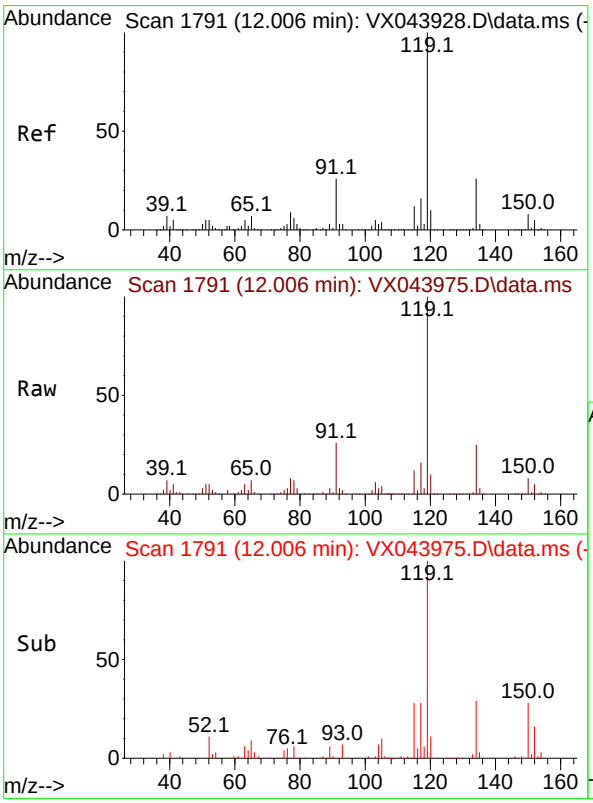
#85
sec-Butylbenzene
Concen: 49.060 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 325633

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

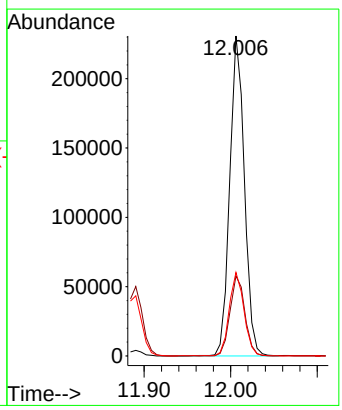


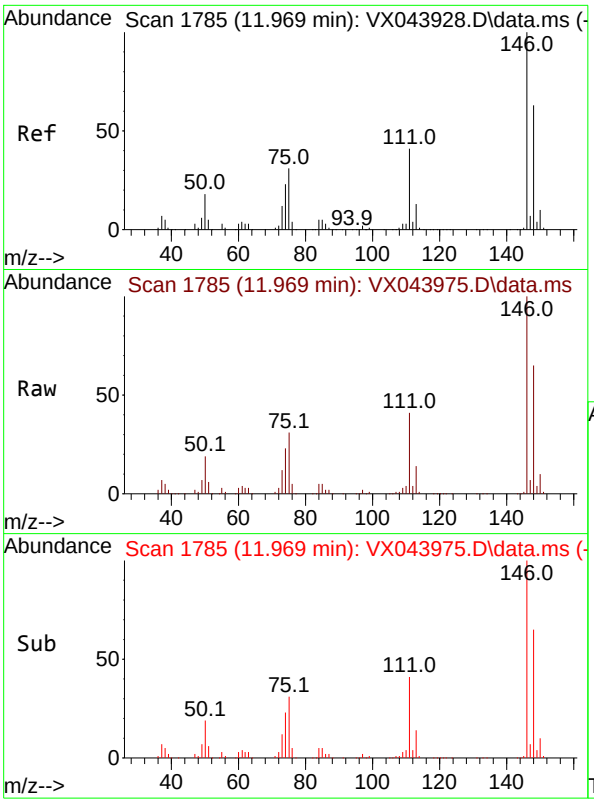


#86
p-Isopropyltoluene
Concen: 50.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 271259

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	26.3	13.0	38.9



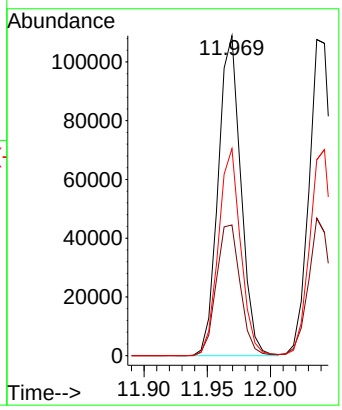


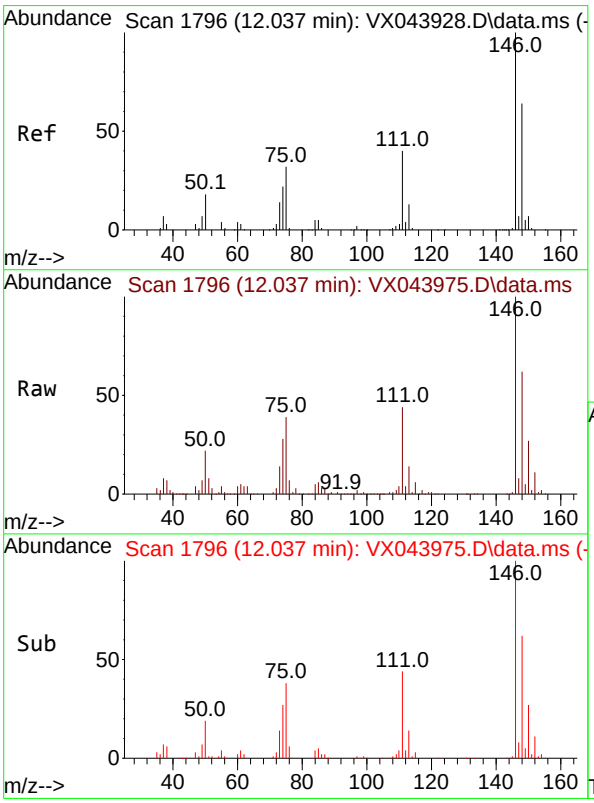
#87
1,3-Dichlorobenzene
Concen: 47.044 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 135787

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	63.5	31.7	95.1

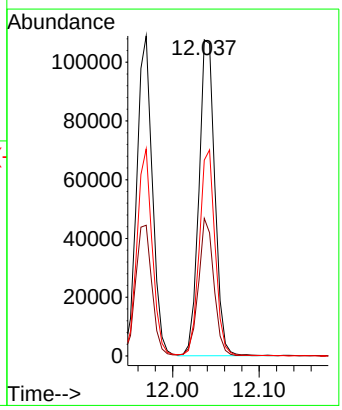


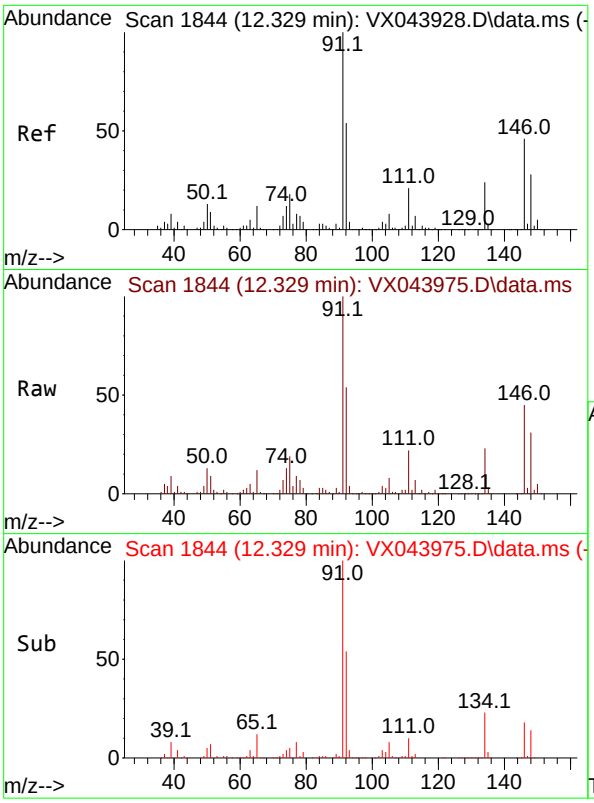


#88
1,4-Dichlorobenzene
Concen: 46.839 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 137836

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.3
148	64.8	30.9	92.8



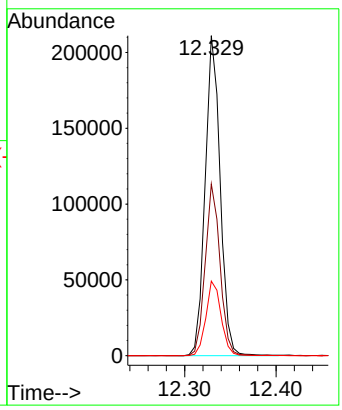


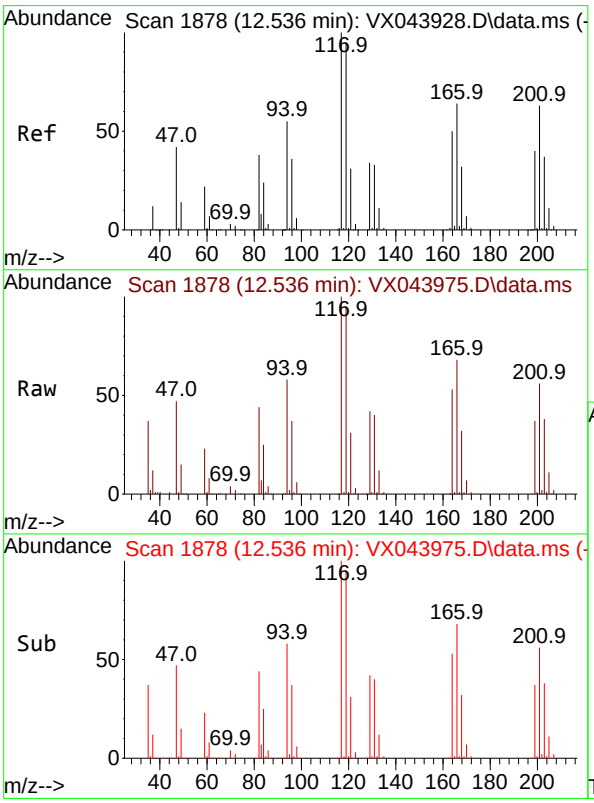
#89
n-Butylbenzene
Concen: 50.543 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 240255

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	23.6	12.4	37.2

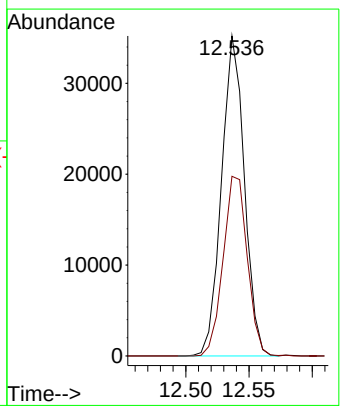


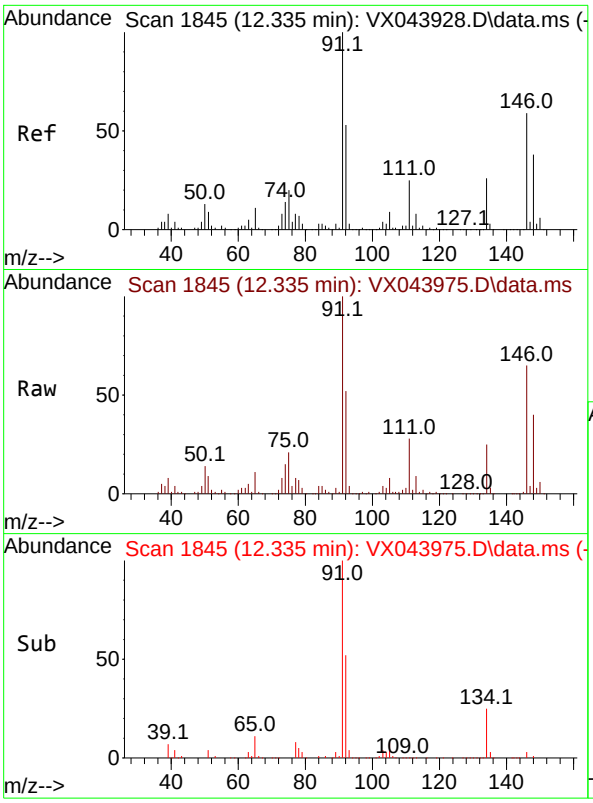


#90
Hexachloroethane
Concen: 48.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 44170

Ion	Ratio	Lower	Upper
117	100		
201	59.5	32.4	97.0



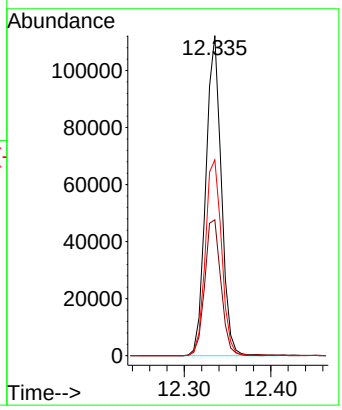


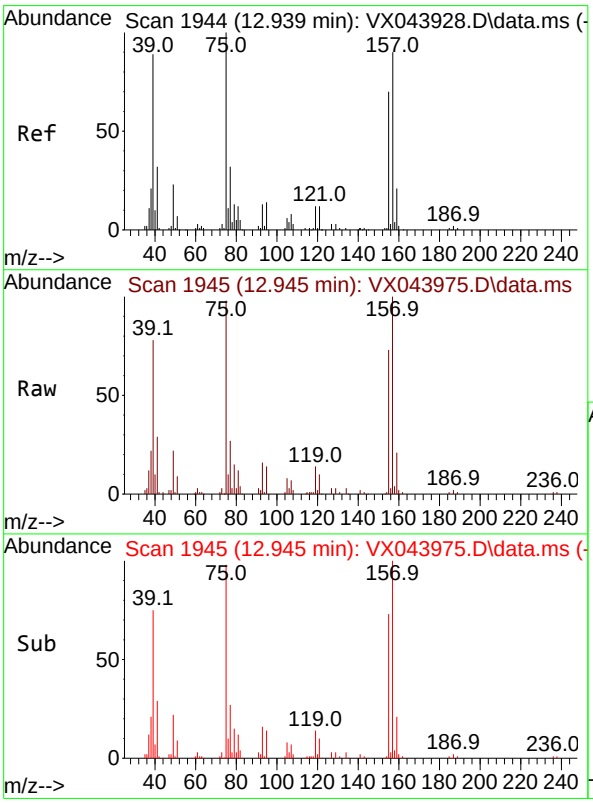
#91
1,2-Dichlorobenzene
Concen: 47.819 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 139290

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	64.0	31.9	95.5

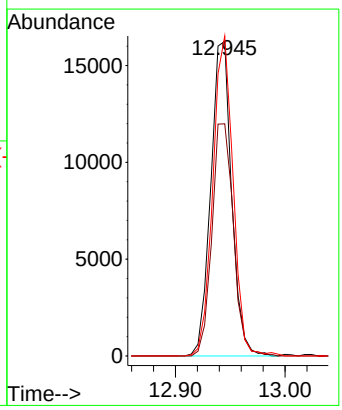


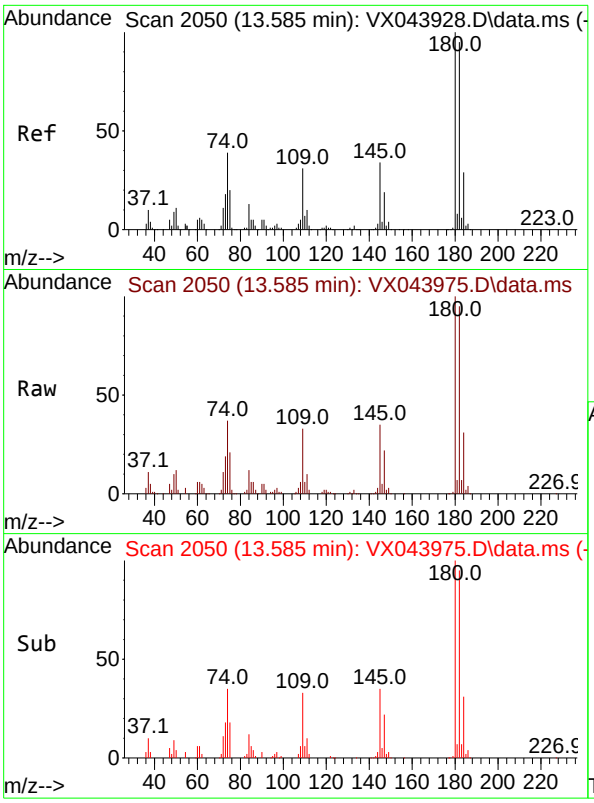


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.196 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 21512

Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.1	120.2
157	98.5	49.6	149.0



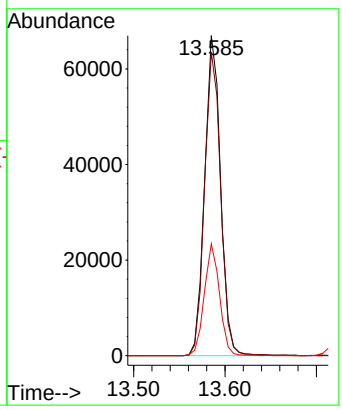


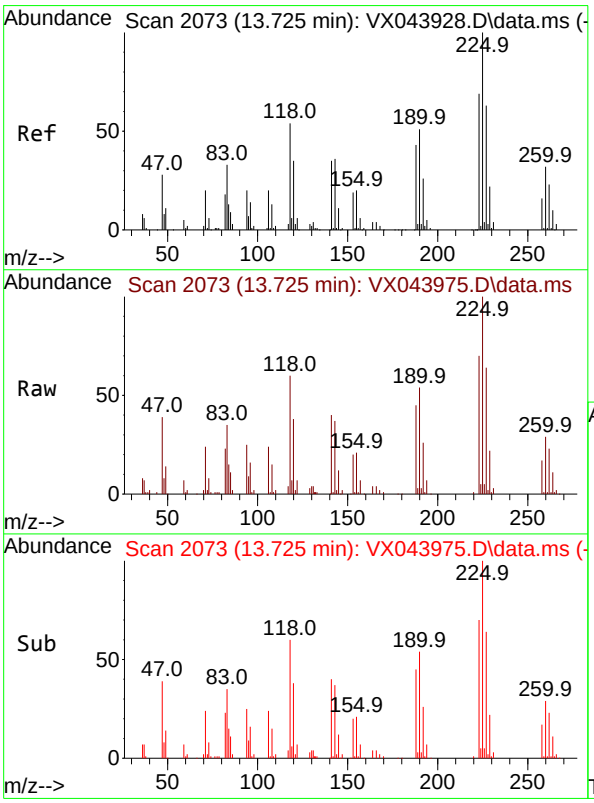
#93
1,2,4-Trichlorobenzene
Concen: 47.087 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 80863

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	33.5	16.8	50.4

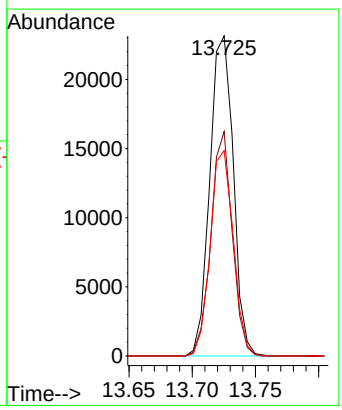


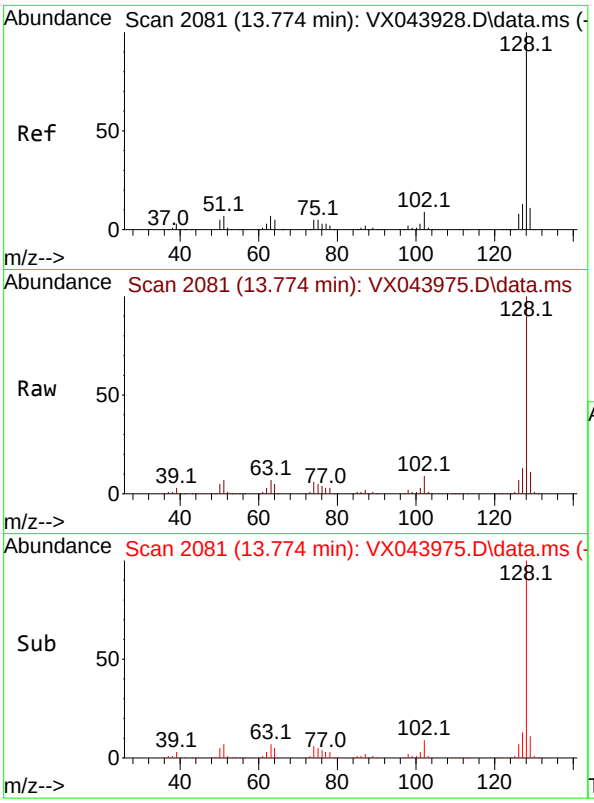


#94
Hexachlorobutadiene
Concen: 43.962 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:225 Resp: 29838

Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.9	98.6
227	63.0	31.6	94.8



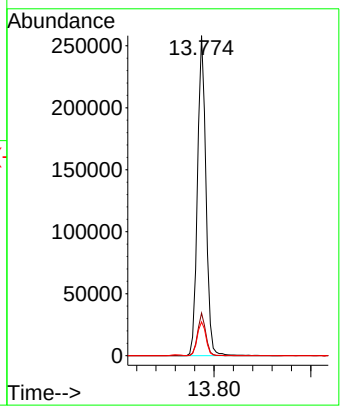


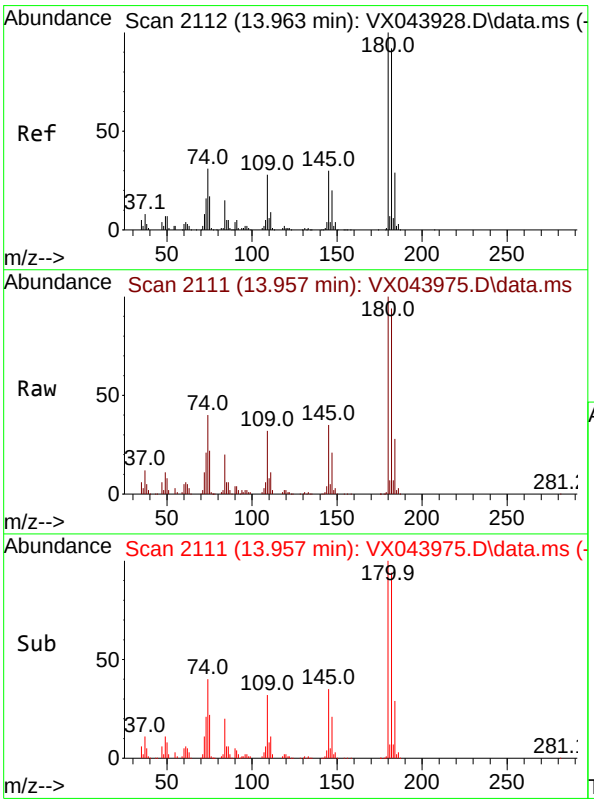
#95
Naphthalene
Concen: 50.444 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 311837

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

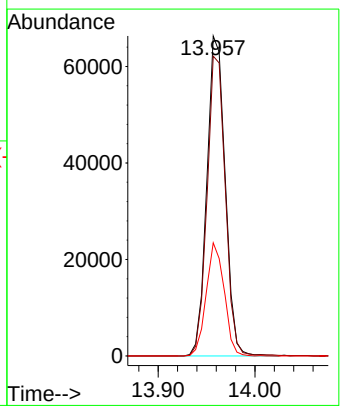




#96
1,2,3-Trichlorobenzene
Concen: 50.266 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 87371

Ion	Ratio	Lower	Upper
180	100		
182	93.8	45.6	136.8
145	34.8	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 07:36:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	132560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	232543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111407	49.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125			Recovery = 98.000%		
35) Dibromofluoromethane	5.373	113	83636	50.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 100.660%		
50) Toluene-d8	8.646	98	285275	49.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113			Recovery = 99.620%		
62) 4-Bromofluorobenzene	11.079	95	98993	50.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121			Recovery = 101.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78031	46.466	ug/l	97
3) Chloromethane	1.294	50	82659	46.775	ug/l	100
4) Vinyl Chloride	1.373	62	86898	46.231	ug/l	97
5) Bromomethane	1.593	94	59627	51.566	ug/l	100
6) Chloroethane	1.666	64	55513	48.469	ug/l	98
7) Trichlorofluoromethane	1.867	101	150681	44.839	ug/l	98
8) Diethyl Ether	2.129	74	57910	47.280	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	76375	47.646	ug/l	99
10) Methyl Iodide	2.440	142	95686	47.795	ug/l	98
11) Tert butyl alcohol	2.995	59	80418	220.360	ug/l	99
12) 1,1-Dichloroethene	2.306	96	70387	46.080	ug/l	97
13) Acrolein	2.233	56	86322	224.411	ug/l	98
14) Allyl chloride	2.654	41	117463	47.063	ug/l	98
15) Acrylonitrile	3.062	53	212767	239.244	ug/l	98
16) Acetone	2.379	43	239021	228.890	ug/l	99
17) Carbon Disulfide	2.501	76	139122	44.155	ug/l	97
18) Methyl Acetate	2.702	43	113156	46.531	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	268289	48.373	ug/l	98
20) Methylene Chloride	2.782	84	82791	46.719	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	74174	47.034	ug/l	99
22) Diisopropyl ether	3.757	45	262616	49.207	ug/l	97
23) Vinyl Acetate	3.714	43	1133947	248.374	ug/l	99
24) 1,1-Dichloroethane	3.605	63	149933	48.697	ug/l	100
25) 2-Butanone	4.556	43	318432	236.327	ug/l	100
26) 2,2-Dichloropropane	4.464	77	131754	47.384	ug/l	100
27) cis-1,2-Dichloroethene	4.476	96	94434	48.444	ug/l	98
28) Bromochloromethane	4.891	49	64856	47.856	ug/l	99
29) Tetrahydrofuran	5.001	42	192450	232.975	ug/l	98
30) Chloroform	5.086	83	163376	49.337	ug/l	93
31) Cyclohexane	5.458	56	117118	46.218	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	139993	49.023	ug/l	99
36) 1,1-Dichloropropene	5.684	75	101514	49.026	ug/l	98
37) Ethyl Acetate	4.708	43	118947	46.278	ug/l	98
38) Carbon Tetrachloride	5.671	117	117996	50.716	ug/l	99
39) Methylcyclohexane	7.372	83	128697	47.843	ug/l	96
40) Benzene	6.031	78	315624	48.936	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 07:36:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	63274	48.098	ug/l		95
42) 1,2-Dichloroethane	6.080	62	126975	49.018	ug/l		98
43) Isopropyl Acetate	6.336	43	197344	48.245	ug/l		99
44) Trichloroethene	7.116	130	77683	42.546	ug/l		94
45) 1,2-Dichloropropane	7.427	63	78811	49.890	ug/l		96
46) Dibromomethane	7.573	93	62964	50.387	ug/l		98
47) Bromodichloromethane	7.817	83	116299	51.893	ug/l		99
48) Methyl methacrylate	7.689	41	94692	48.244	ug/l		98
49) 1,4-Dioxane	7.665	88	30394	869.321	ug/l	#	83
51) 4-Methyl-2-Pentanone	8.573	43	596153	238.823	ug/l		100
52) Toluene	8.713	92	193103	50.022	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	117928	51.600	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	126204	50.373	ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	78203	49.075	ug/l		98
56) Ethyl methacrylate	9.116	69	122941	49.531	ug/l		99
57) 1,3-Dichloropropane	9.305	76	133878	49.872	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	308826	226.771	ug/l		99
59) 2-Hexanone	9.427	43	453330	241.619	ug/l		100
60) Dibromochloromethane	9.518	129	82843	51.814	ug/l		99
61) 1,2-Dibromoethane	9.610	107	79994	49.645	ug/l		98
64) Tetrachloroethene	9.268	164	64988	50.133	ug/l		98
65) Chlorobenzene	10.079	112	212422	49.197	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	73082	52.189	ug/l		98
67) Ethyl Benzene	10.189	91	369929	50.561	ug/l		99
68) m/p-Xylenes	10.299	106	277477	101.696	ug/l		100
69) o-Xylene	10.640	106	133377	50.067	ug/l		97
70) Styrene	10.652	104	230674	52.353	ug/l		99
71) Bromoform	10.798	173	48701	46.066	ug/l	#	97
73) Isopropylbenzene	10.957	105	351294	48.163	ug/l		100
74) N-amyl acetate	10.841	43	163405	48.361	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	118187	47.323	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	130845	62.881	ug/l		82
77) Bromobenzene	11.195	156	84168	48.374	ug/l		98
78) n-propylbenzene	11.304	91	406428	49.892	ug/l		99
79) 2-Chlorotoluene	11.359	91	246237	47.802	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	298167	49.689	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	35040	45.951	ug/l		97
82) 4-Chlorotoluene	11.451	91	282543	48.585	ug/l		99
83) tert-Butylbenzene	11.713	119	292877	49.242	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	298636	49.987	ug/l		99
85) sec-Butylbenzene	11.890	105	362725	49.775	ug/l		100
86) p-Isopropyltoluene	12.006	119	306406	51.764	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	154082	48.622	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	153444	47.493	ug/l		98
89) n-Butylbenzene	12.329	91	266108	50.989	ug/l		100
90) Hexachloroethane	12.536	117	48961	48.643	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	155387	48.588	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23083	46.127	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	90486	47.992	ug/l		98
94) Hexachlorobutadiene	13.725	225	36196	48.575	ug/l		97
95) Naphthalene	13.774	128	334769	49.325	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	92716	48.584	ug/l		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 07:36:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

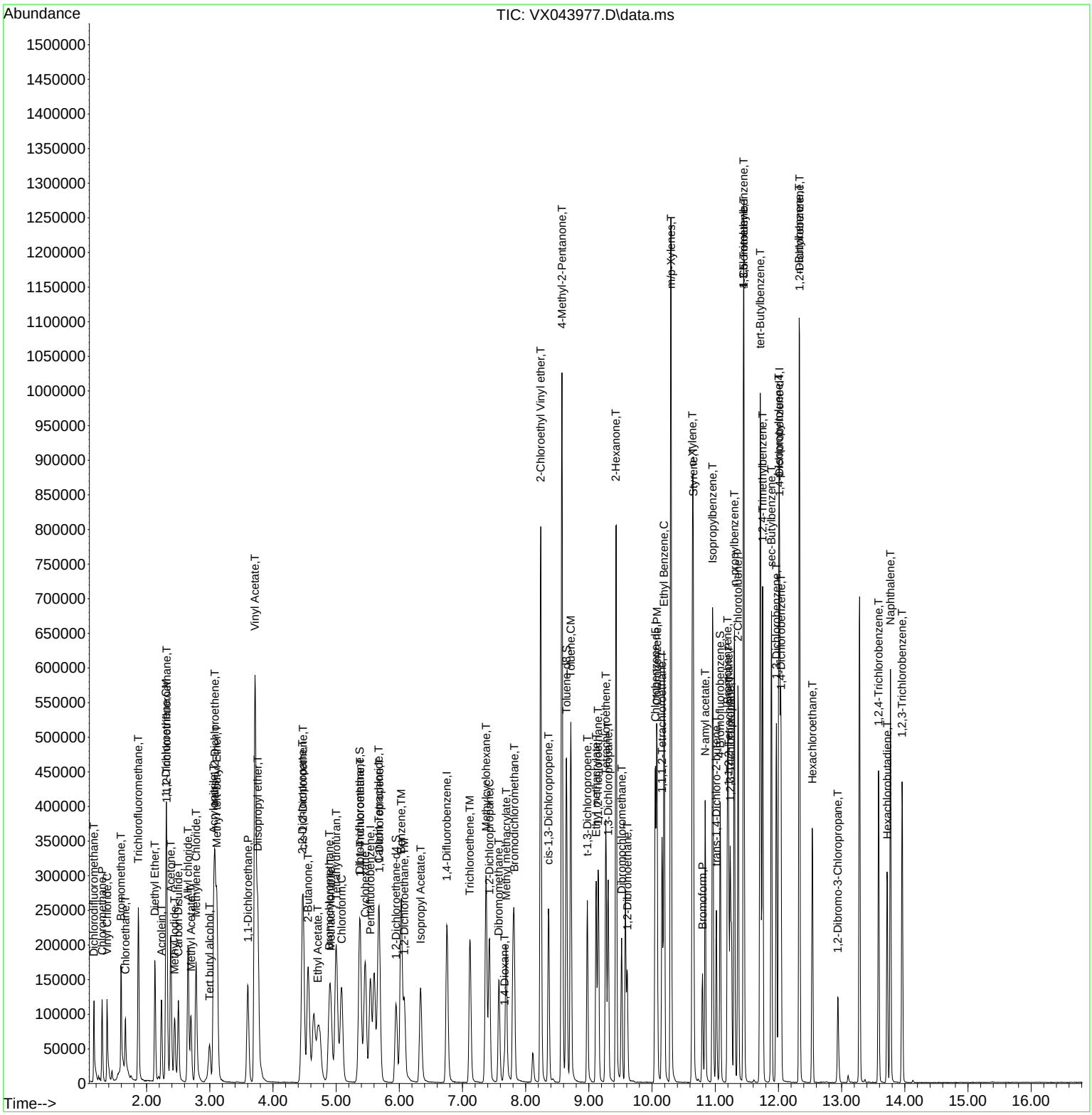
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

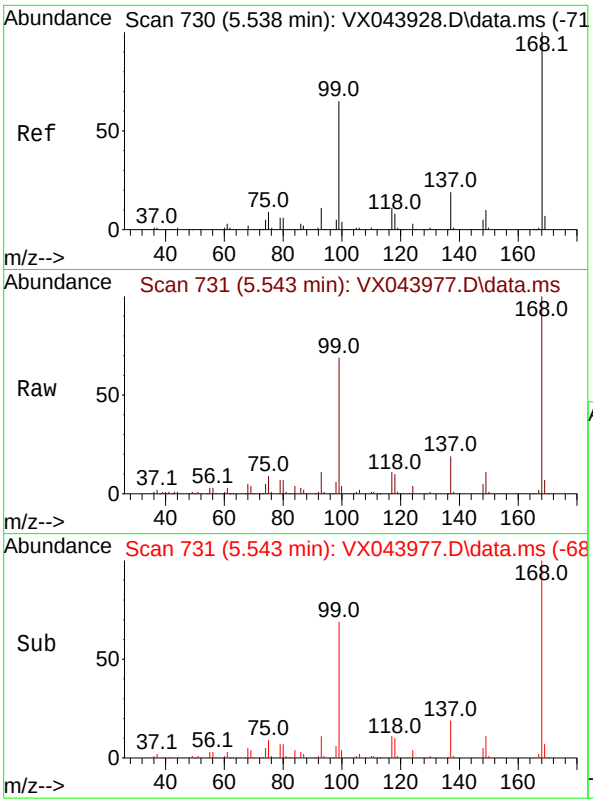
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 07:36:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



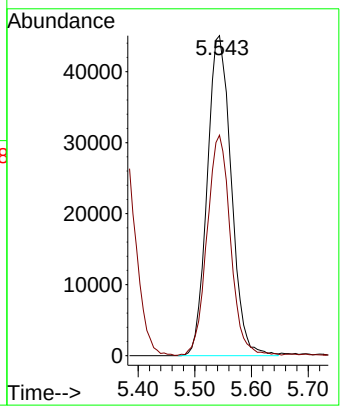


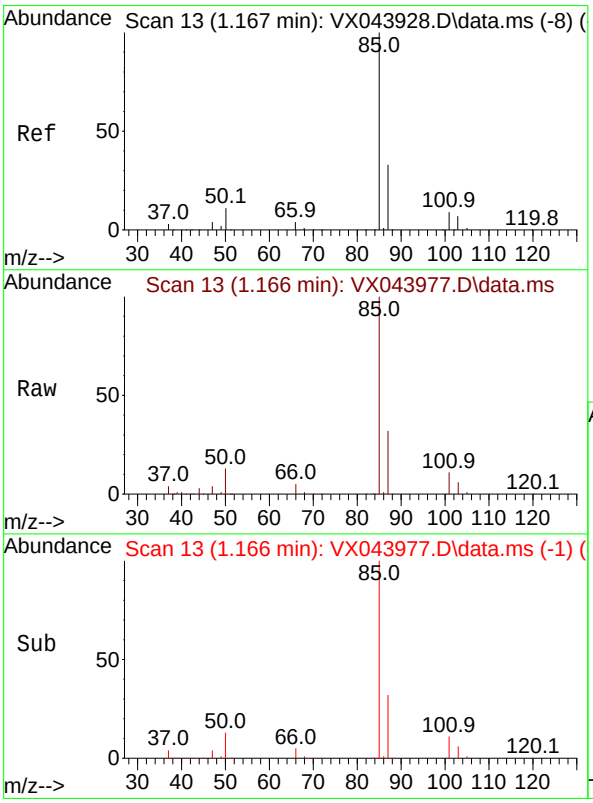
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 132560

Ion	Ratio	Lower	Upper
168	100		
99	68.7	51.8	77.8

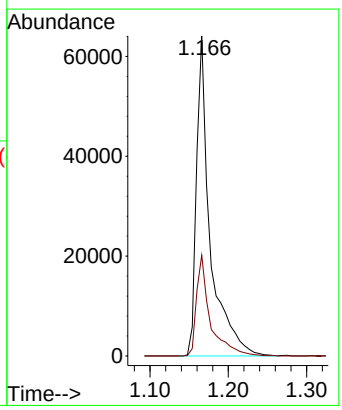


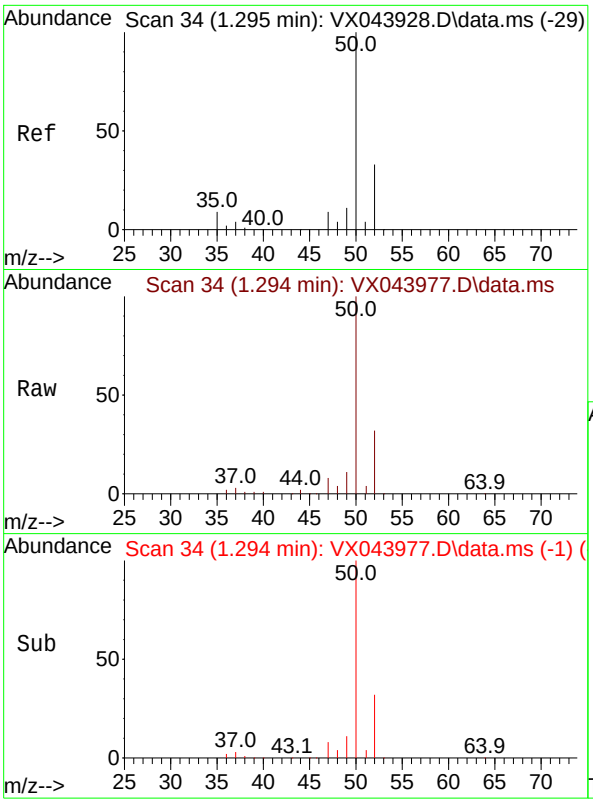


#2
Dichlorodifluoromethane
Concen: 46.466 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 85 Resp: 78031

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.6	49.8



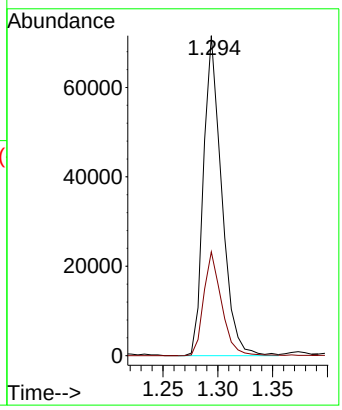


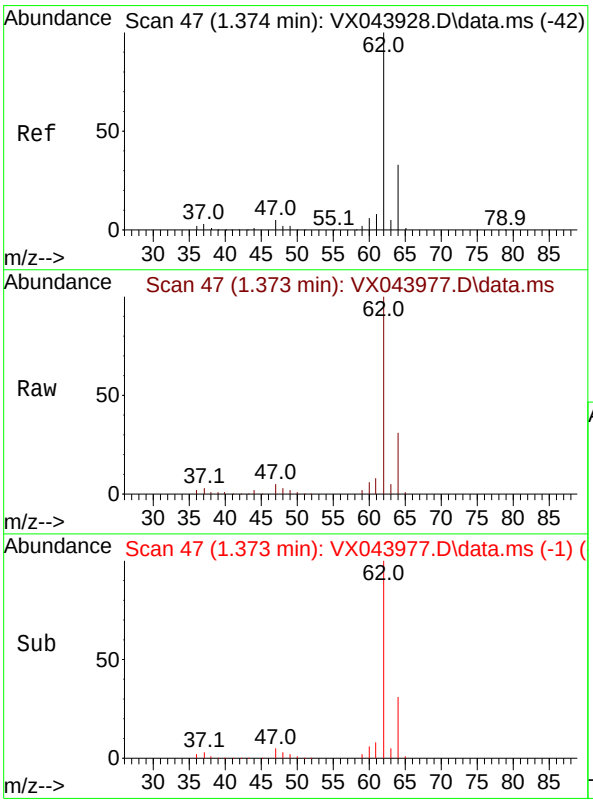
#3
Chloromethane
Concen: 46.775 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 82659

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

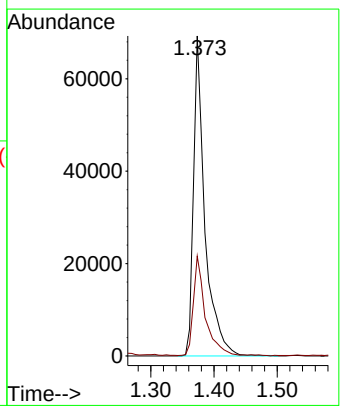


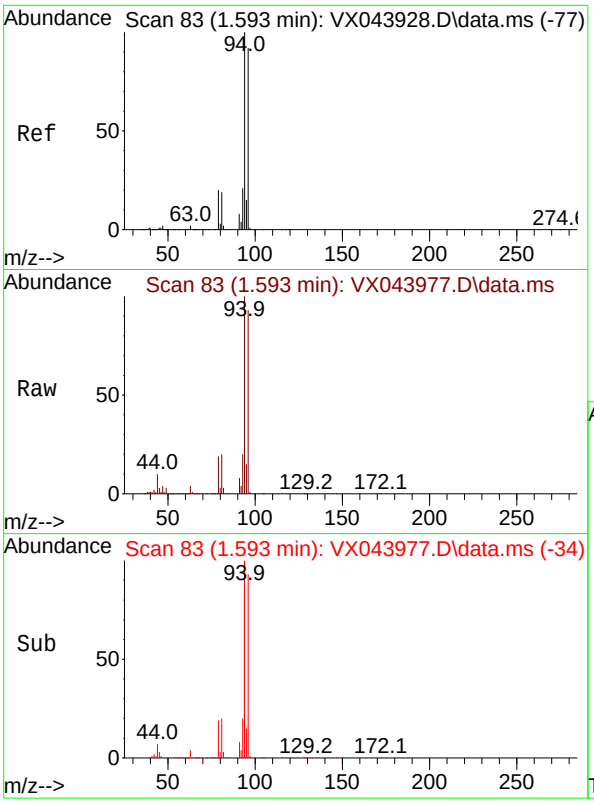


#4
Vinyl Chloride
Concen: 46.231 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 86898

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4



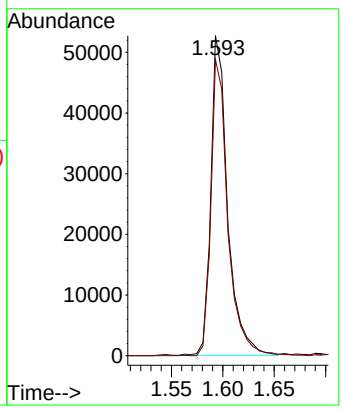


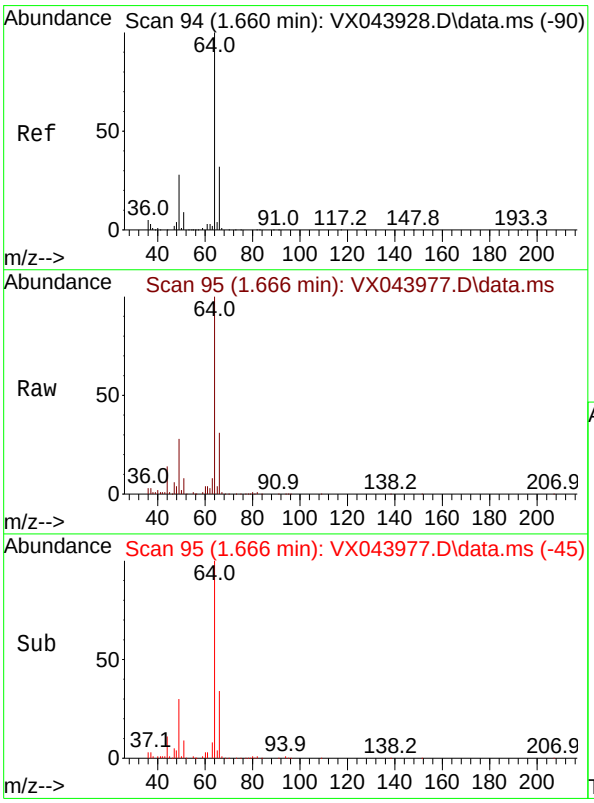
#5
Bromomethane
Concen: 51.566 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 59627

Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.9	110.9

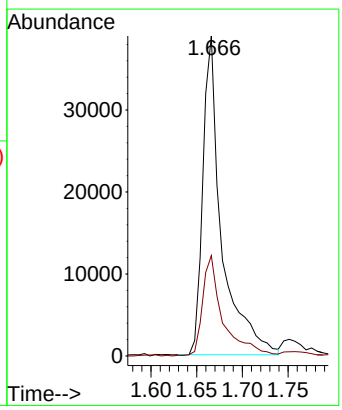


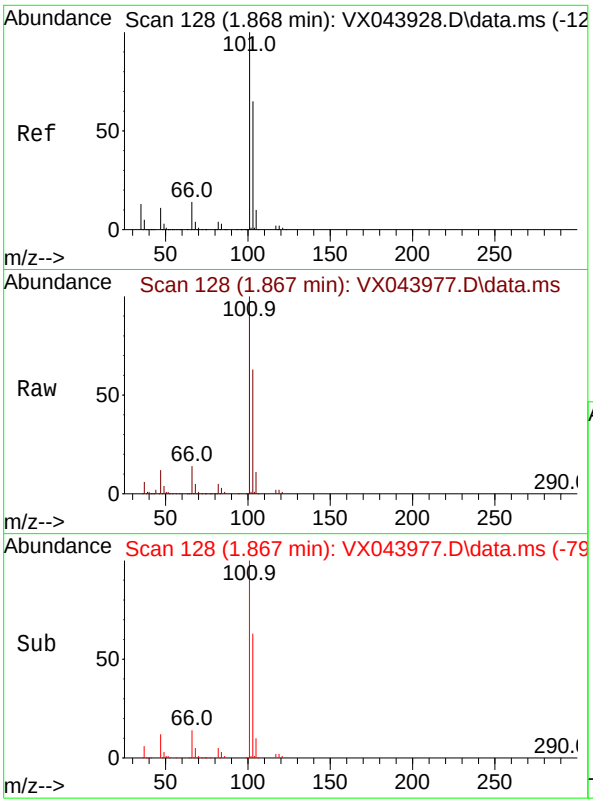


#6
Chloroethane
Concen: 48.469 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 64 Resp: 55513

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.9	38.9



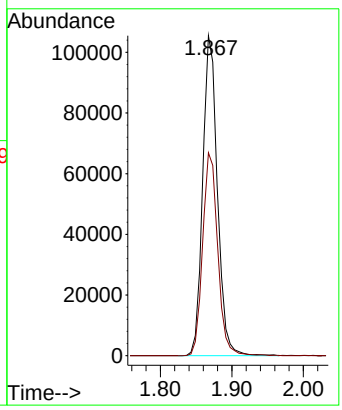


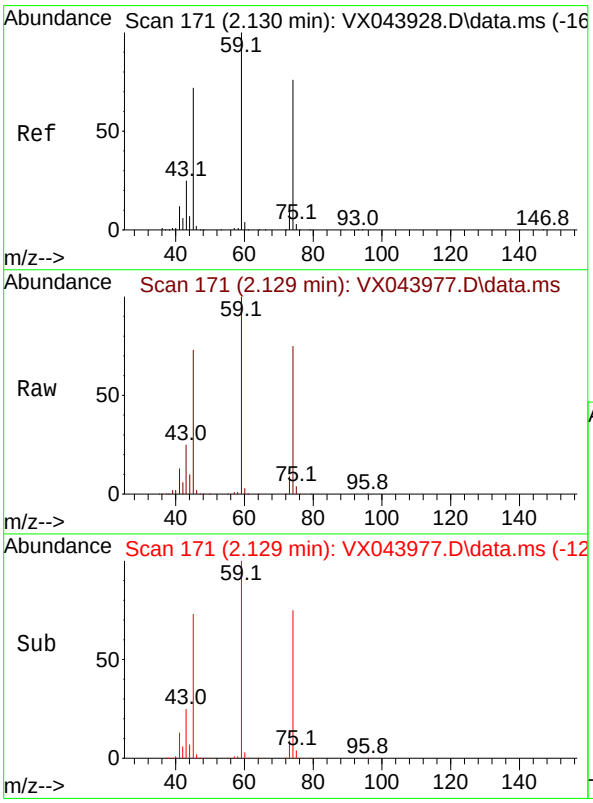
#7
Trichlorofluoromethane
Concen: 44.839 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 150681

Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2

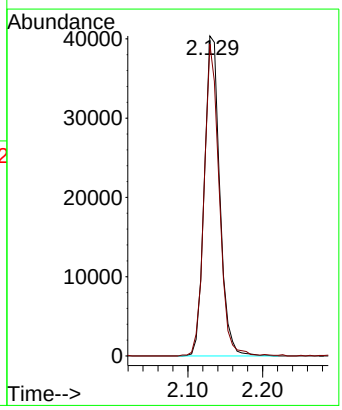


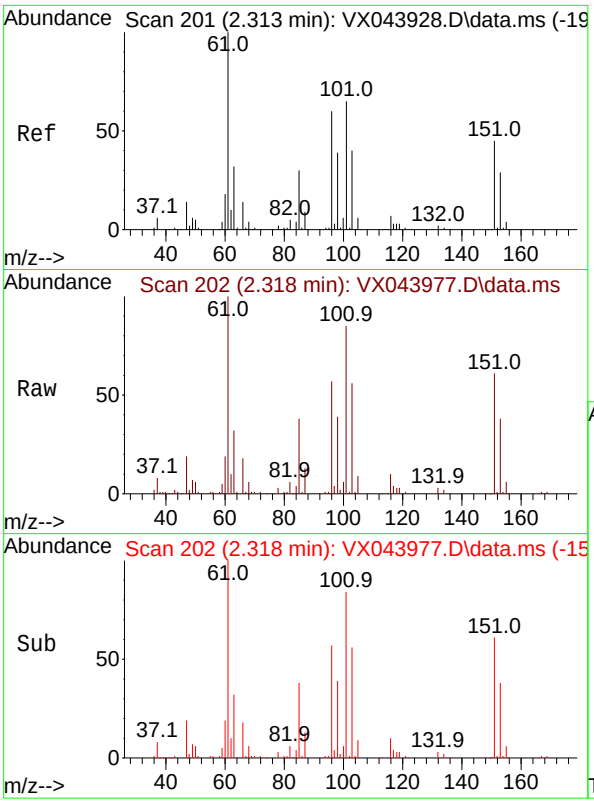


#8
Diethyl Ether
Concen: 47.280 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 74 Resp: 57910

Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.9	143.6



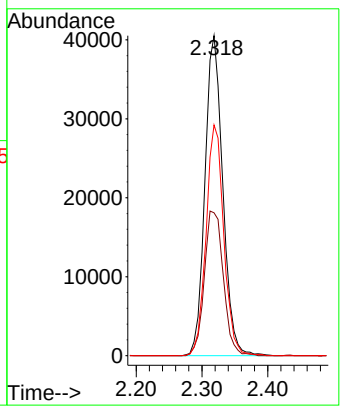


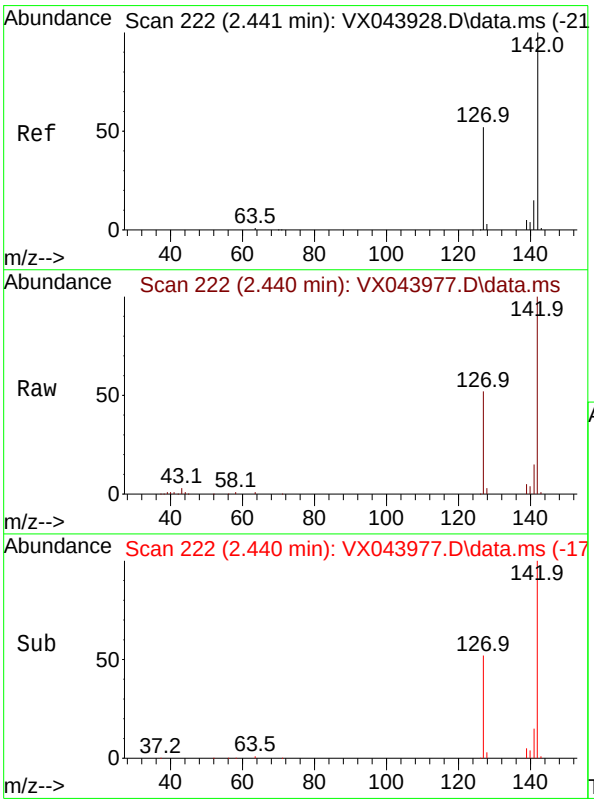
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.646 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 76375

Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.9	56.9
151	71.7	57.5	86.3

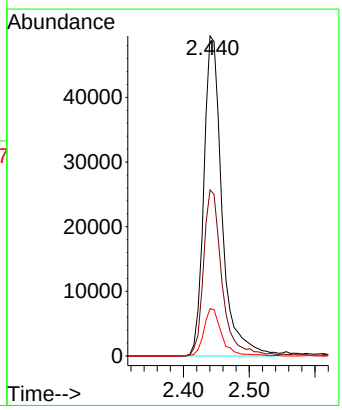


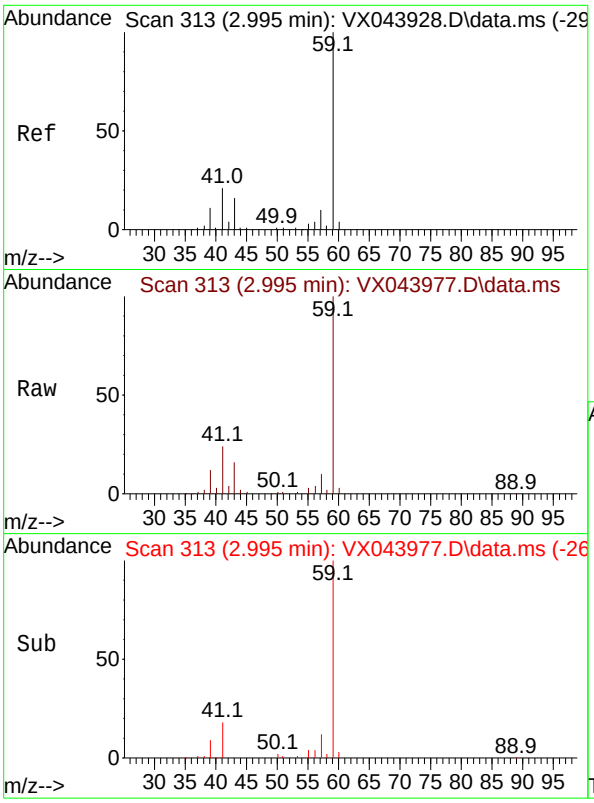


#10
Methyl Iodide
Concen: 47.795 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:142 Resp: 95686

Ion	Ratio	Lower	Upper
142	100		
127	52.7	40.7	61.1
141	14.5	12.0	18.0



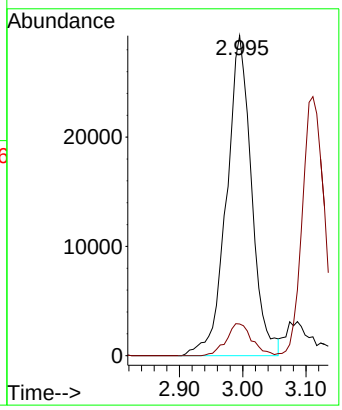


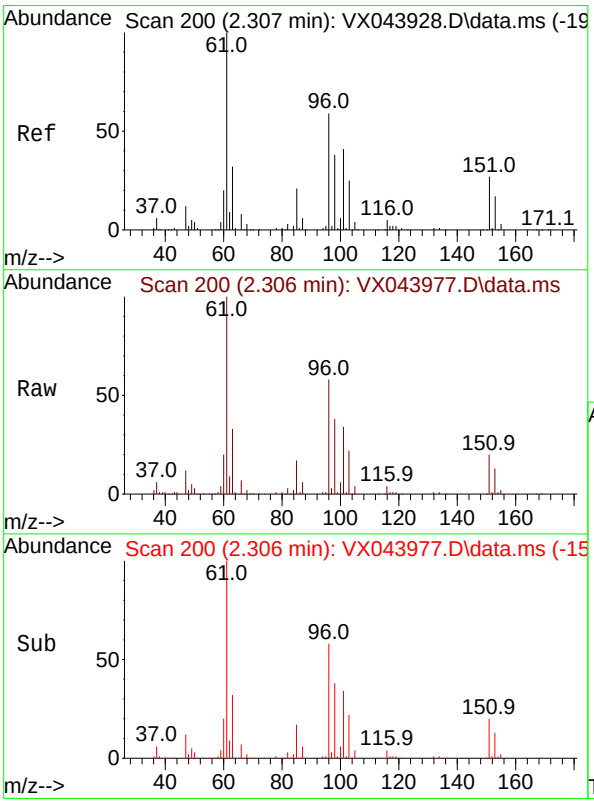
#11
Tert butyl alcohol
Concen: 220.360 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 80418

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

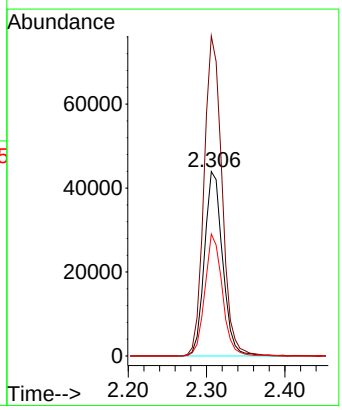


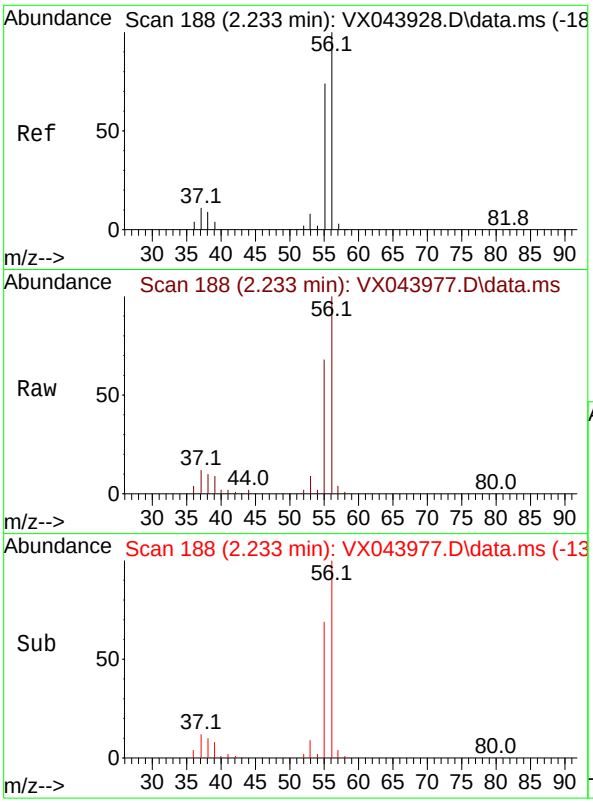


#12
1,1-Dichloroethene
Concen: 46.080 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 70387

Ion	Ratio	Lower	Upper
96	100		
61	173.6	135.5	203.3
98	66.2	50.8	76.2



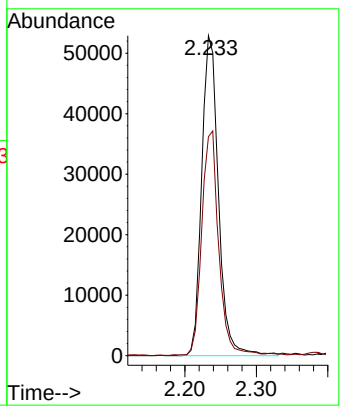


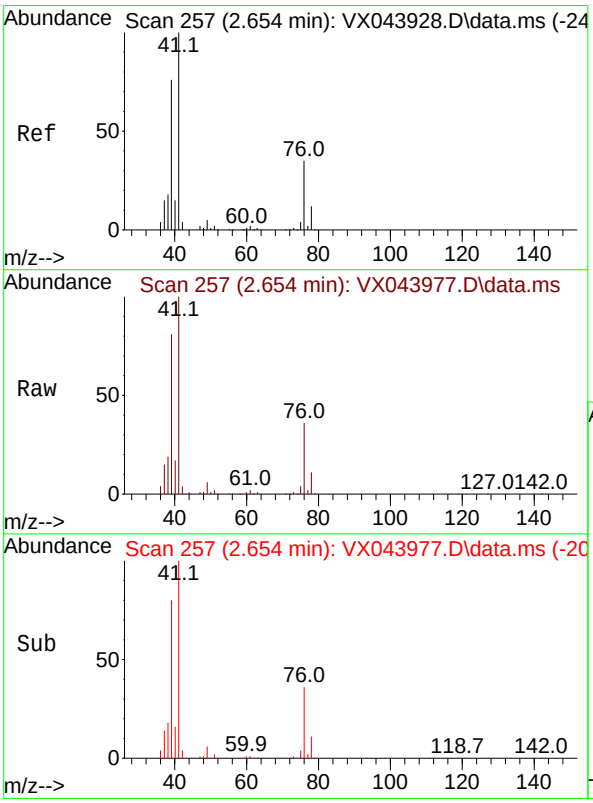
#13
Acrolein
Concen: 224.411 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 86322

Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.2	87.2

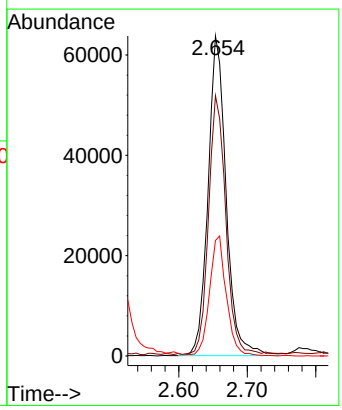


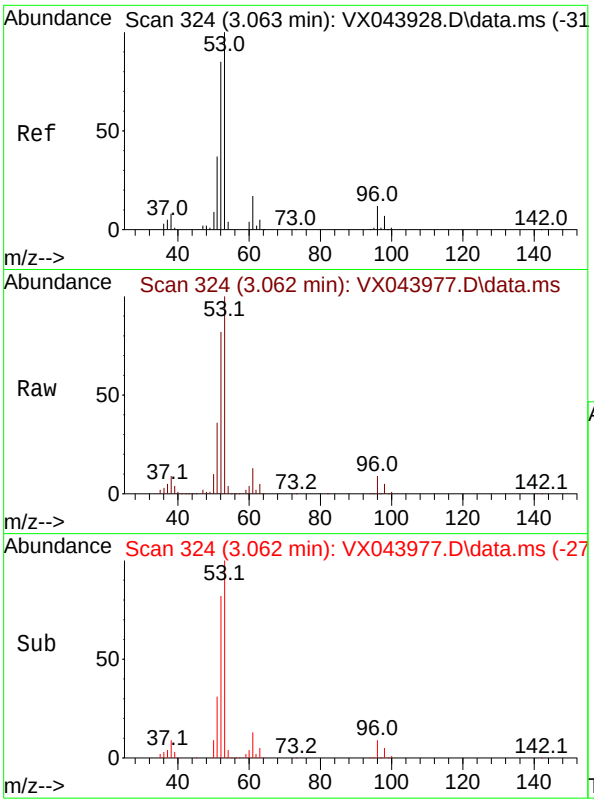


#14
Allyl chloride
Concen: 47.063 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 117463

Ion	Ratio	Lower	Upper
41	100		
39	76.9	59.5	89.3
76	34.8	27.4	41.2



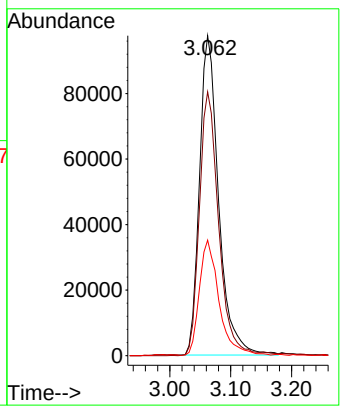


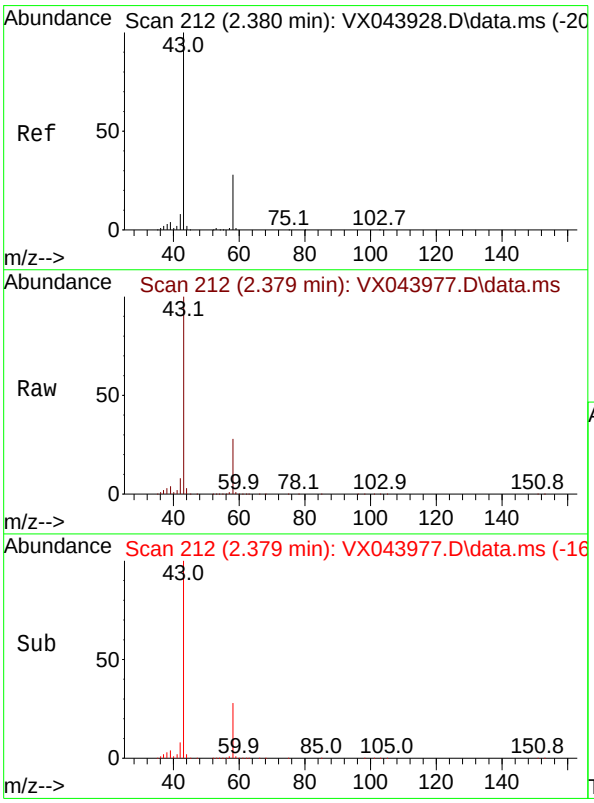
#15
Acrylonitrile
Concen: 239.244 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 212767

Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	36.8	30.2	45.4

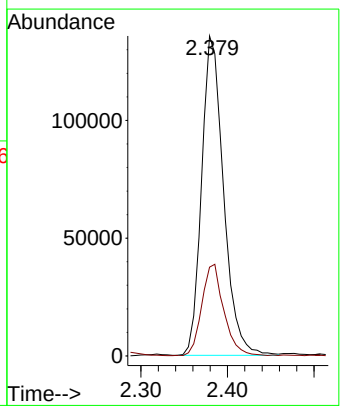


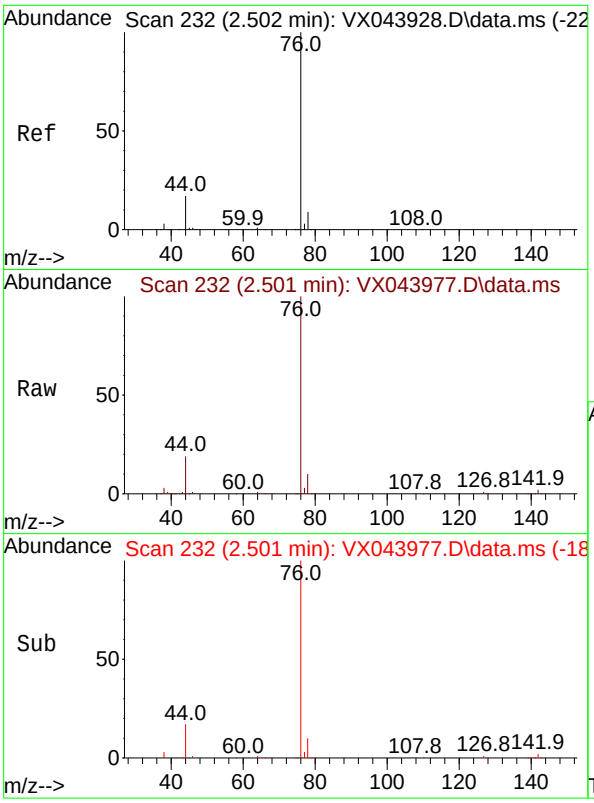


#16
Acetone
Concen: 228.890 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 239021

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.7	34.1



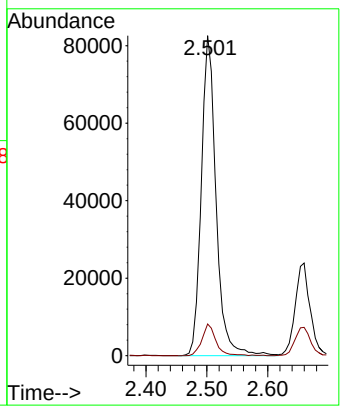


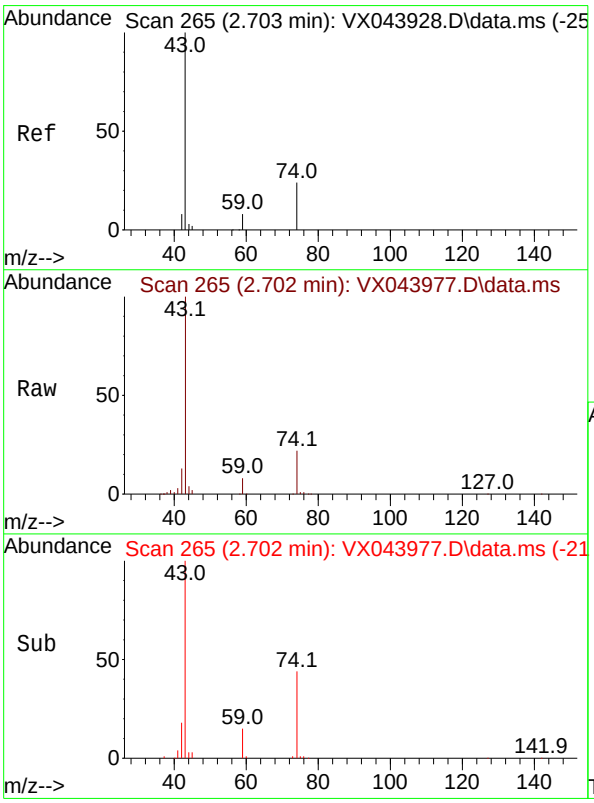
#17
Carbon Disulfide
Concen: 44.155 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 139122

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

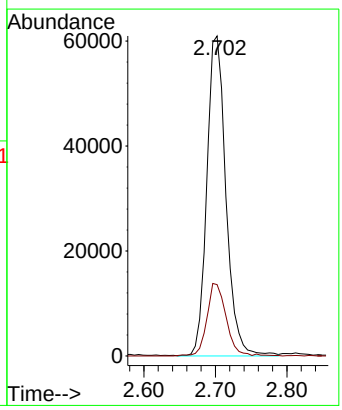


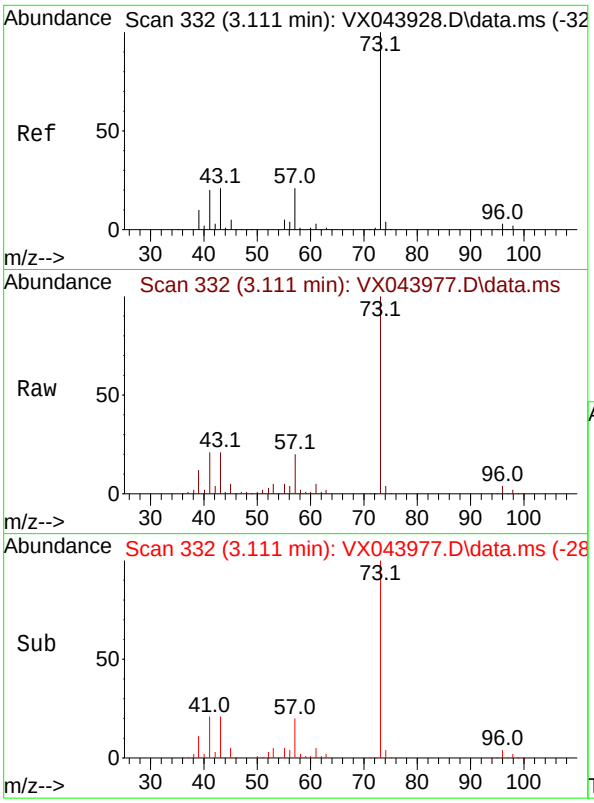


#18
Methyl Acetate
Concen: 46.531 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 113156

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3



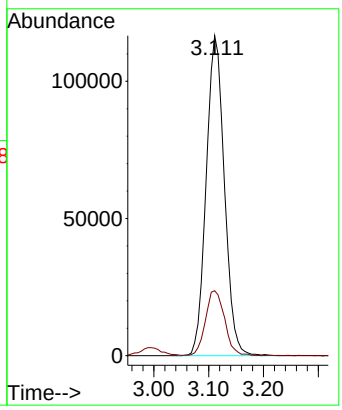


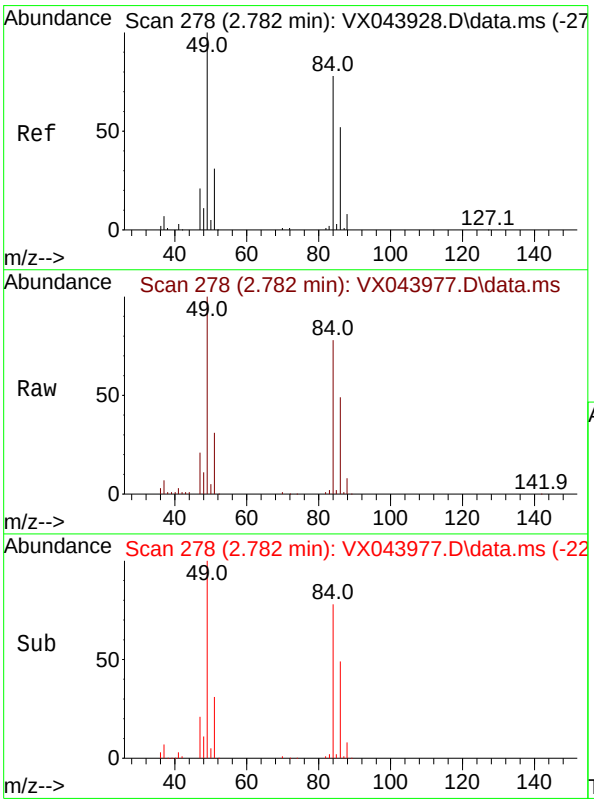
#19
Methyl tert-butyl Ether
Concen: 48.373 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 268289

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.0	25.6

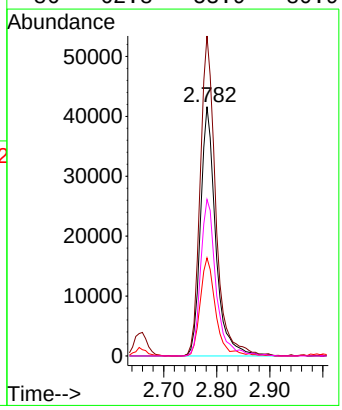


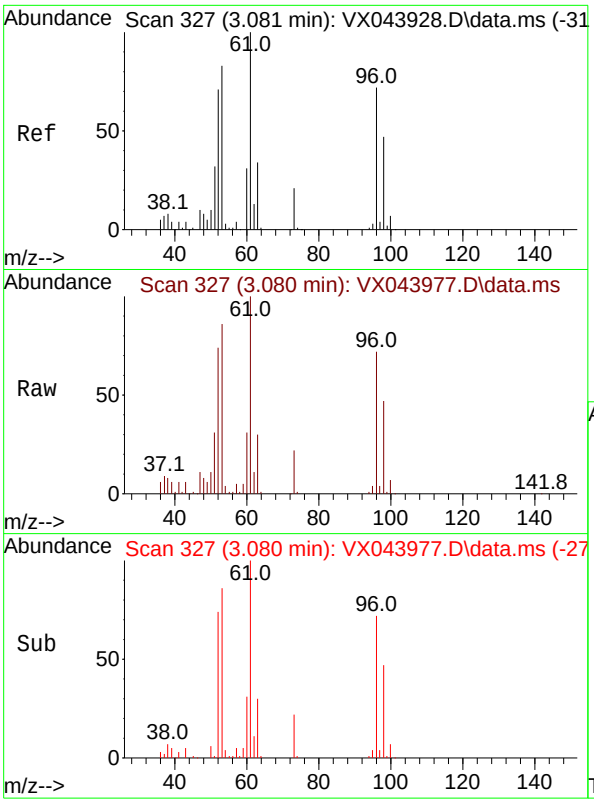


#20
Methylene Chloride
Concen: 46.719 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 84 Resp: 82791

Ion	Ratio	Lower	Upper
84	100		
49	128.3	102.7	154.1
51	39.3	31.7	47.5
86	62.8	53.9	80.9



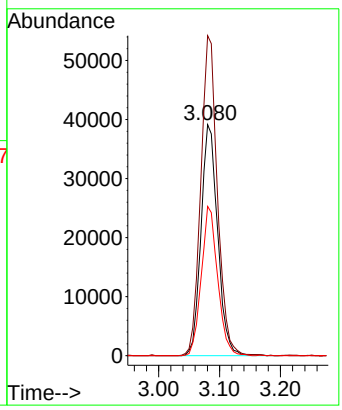


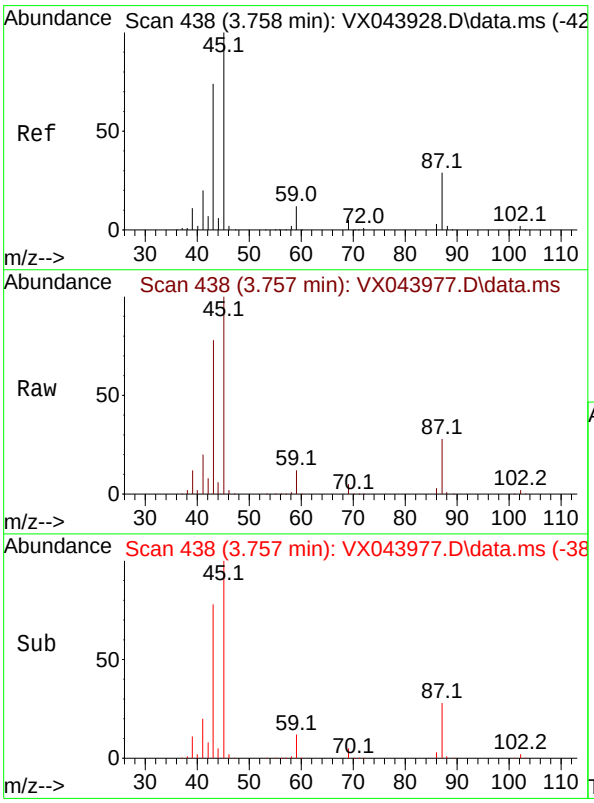
#21
trans-1,2-Dichloroethene
Concen: 47.034 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 74174

Ion	Ratio	Lower	Upper
96	100		
61	138.5	111.8	167.6
98	64.6	52.7	79.1

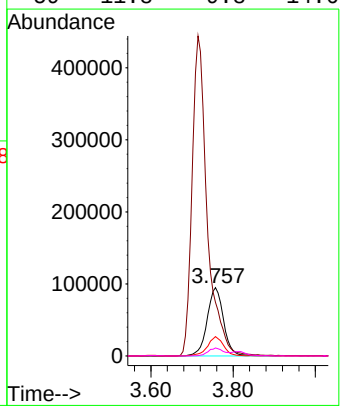


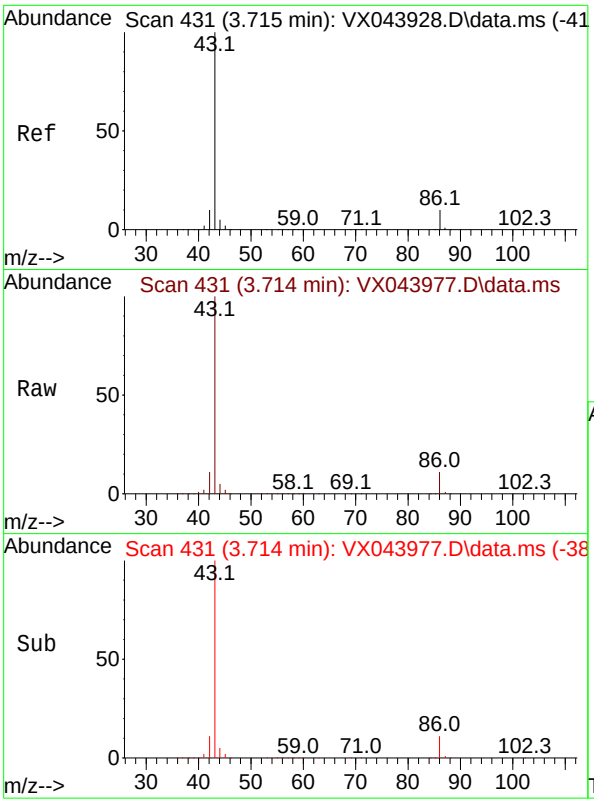


#22
Diisopropyl ether
Concen: 49.207 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 45 Resp: 262616

Ion	Ratio	Lower	Upper
45	100		
43	78.3	59.6	89.4
87	28.3	22.9	34.3
59	11.8	9.8	14.6



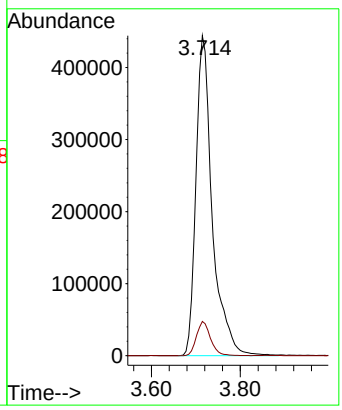


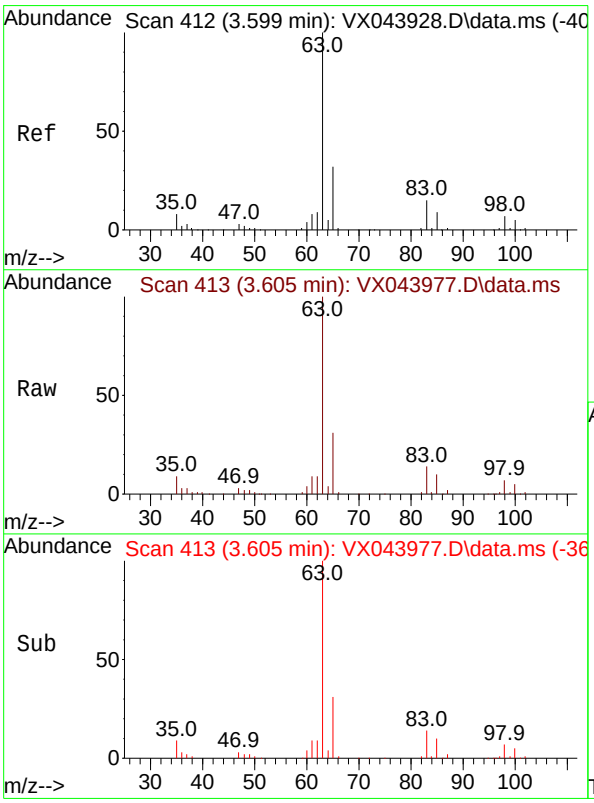
#23
Vinyl Acetate
Concen: 248.374 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1133947

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

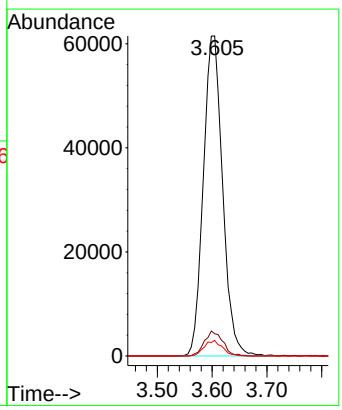


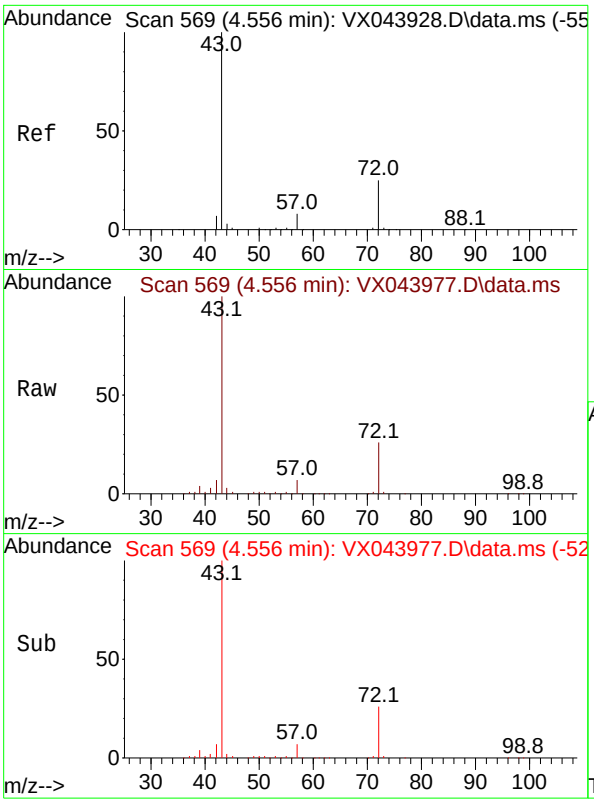


#24
1,1-Dichloroethane
Concen: 48.697 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 149933

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.8	2.4	7.1



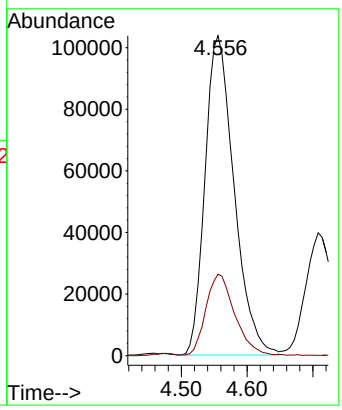


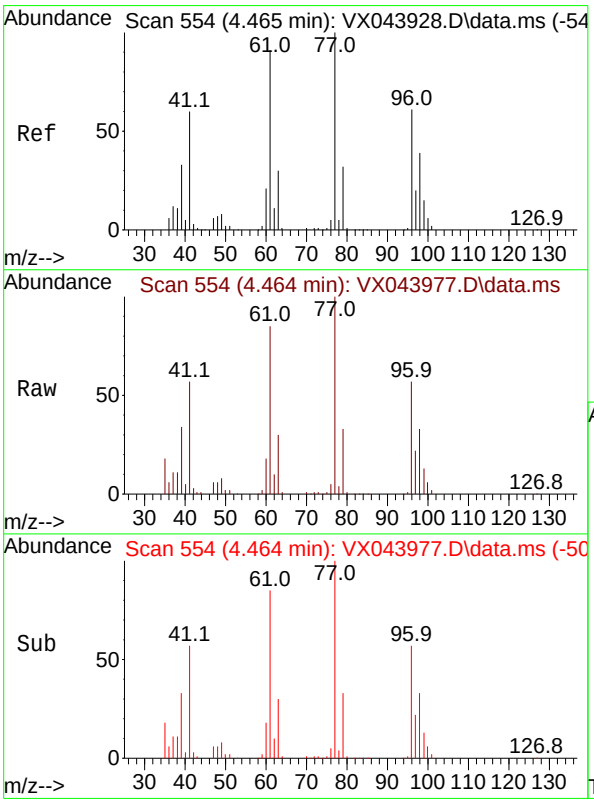
#25
2-Butanone
Concen: 236.327 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 318432

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.2

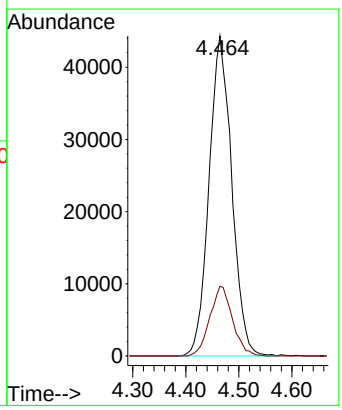


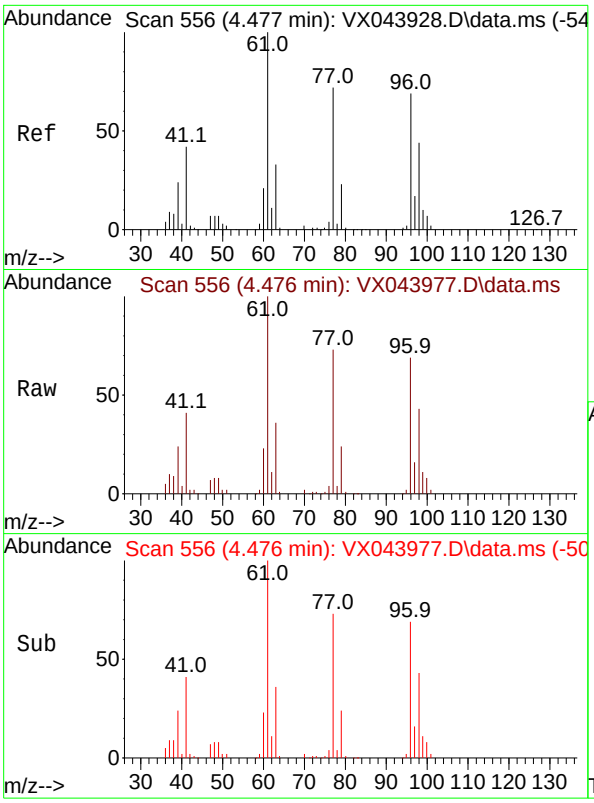


#26
2,2-Dichloropropane
Concen: 47.384 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 77 Resp: 131754

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



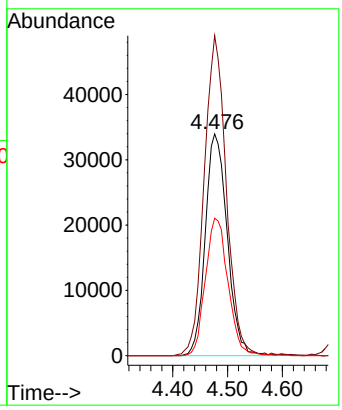


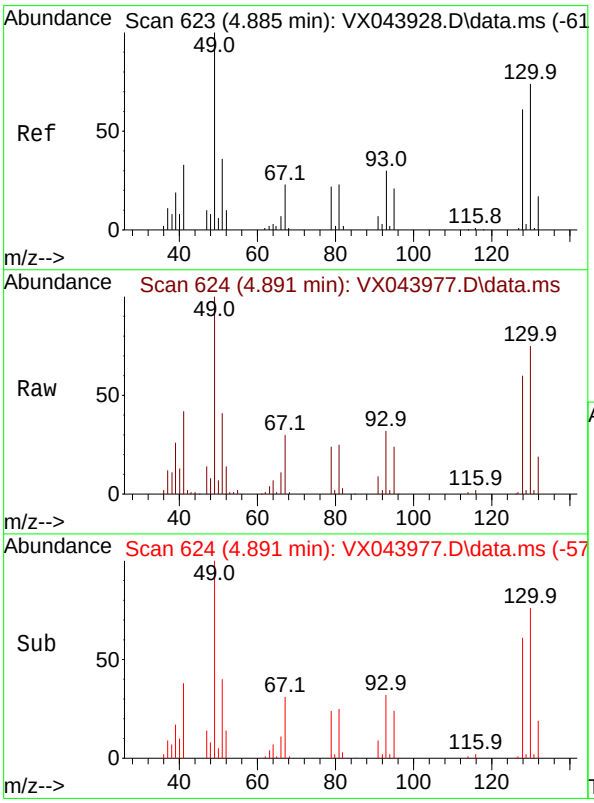
#27
cis-1,2-Dichloroethene
Concen: 48.444 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 94434

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	297.4
98	63.8	0.0	127.8

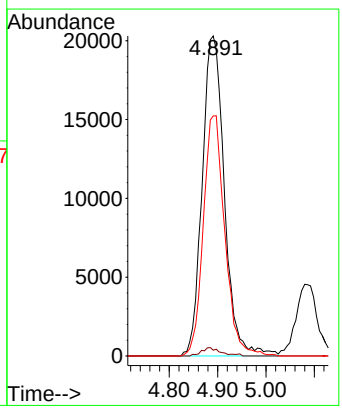


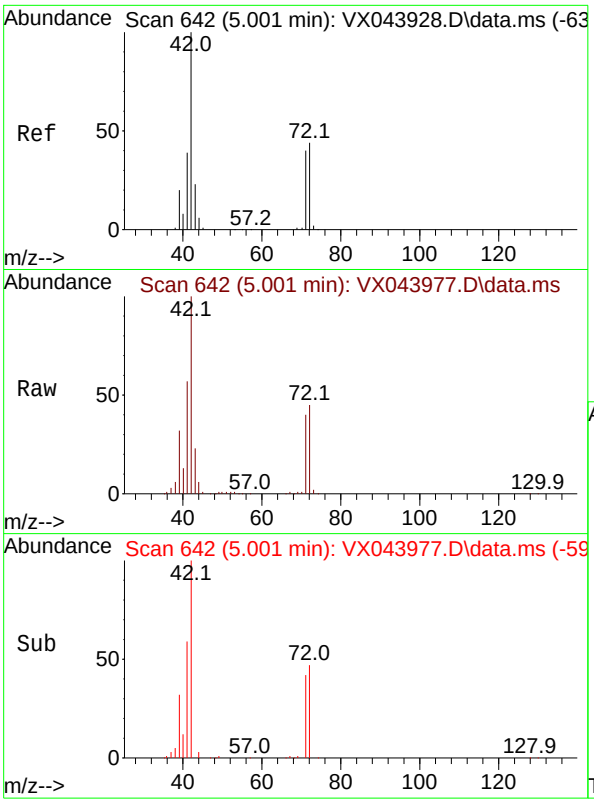


#28
Bromochloromethane
Concen: 47.856 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 49 Resp: 64856

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	72.8	59.0	88.6



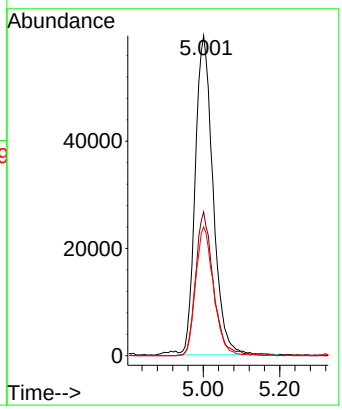


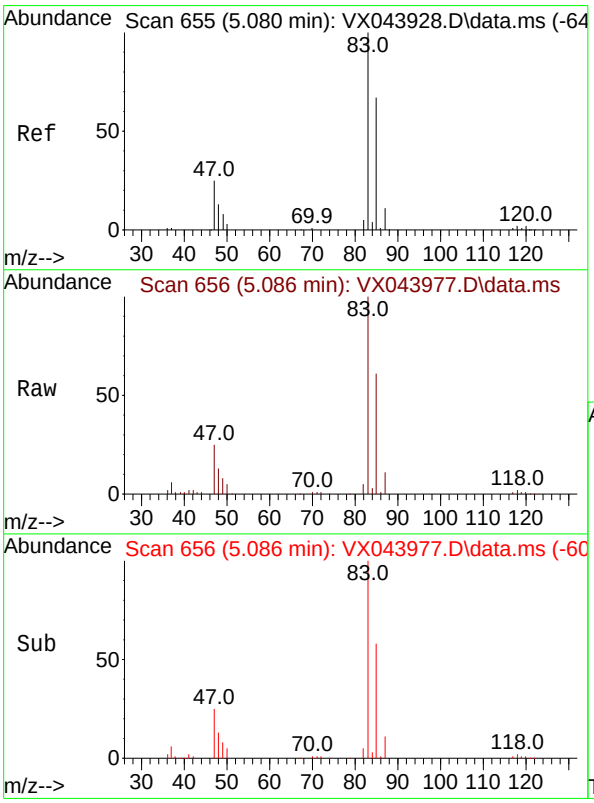
#29
Tetrahydrofuran
Concen: 232.975 ug/l
RT: 5.001 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 192450

Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.4	54.6
71	40.5	33.4	50.0

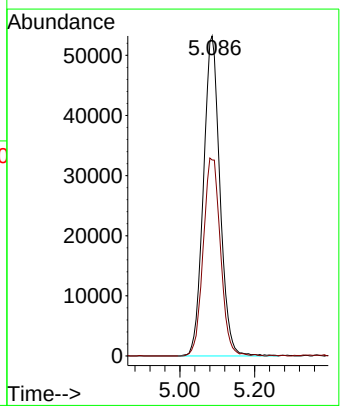


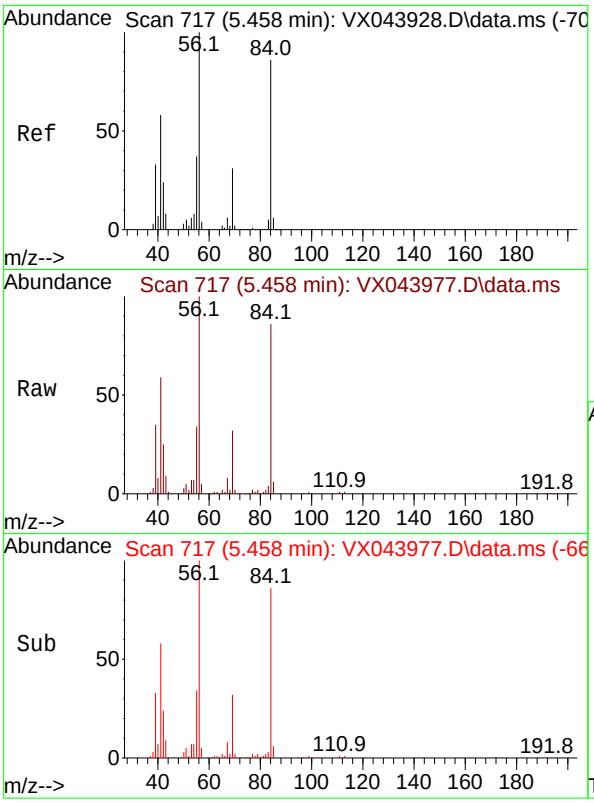


#30
Chloroform
Concen: 49.337 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 83 Resp: 163376

Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.5	80.3



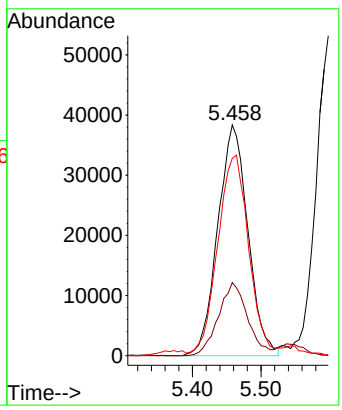


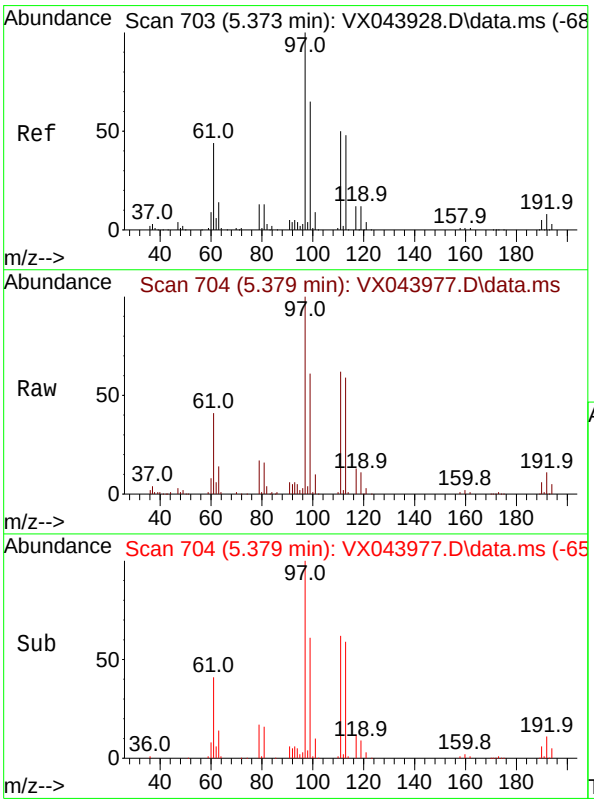
#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 117118

Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.7	37.1
84	83.9	68.7	103.1

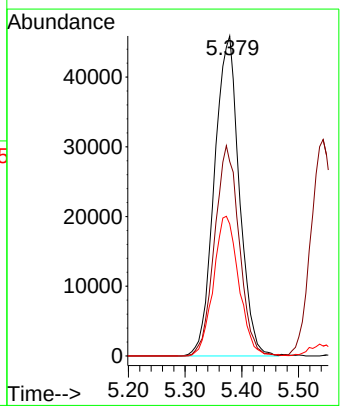


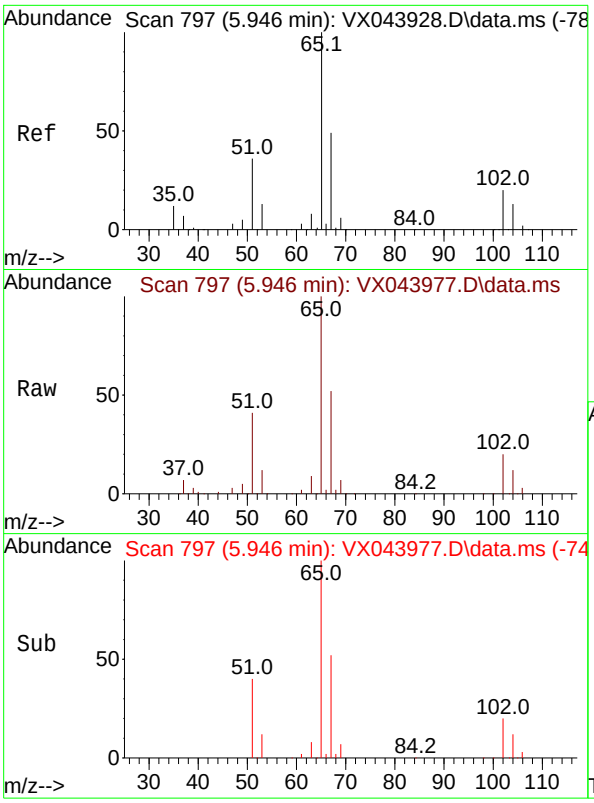


#32
1,1,1-Trichloroethane
Concen: 49.023 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 97 Resp: 139993

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	44.6	35.4	53.2



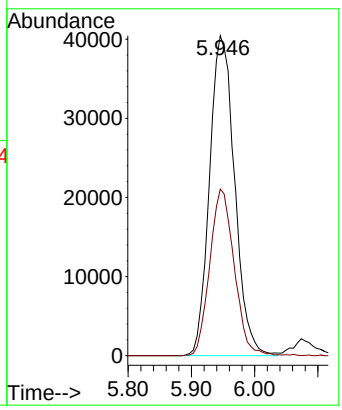


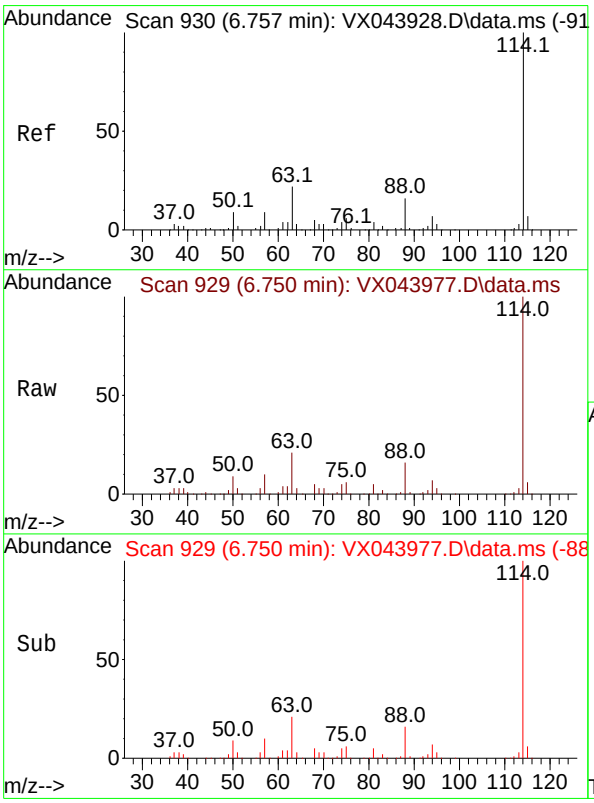
#33
1,2-Dichloroethane-d4
Concen: 49.000 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 111407

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8

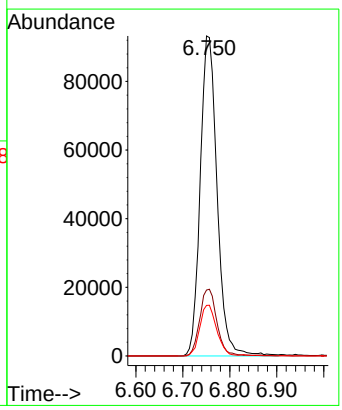


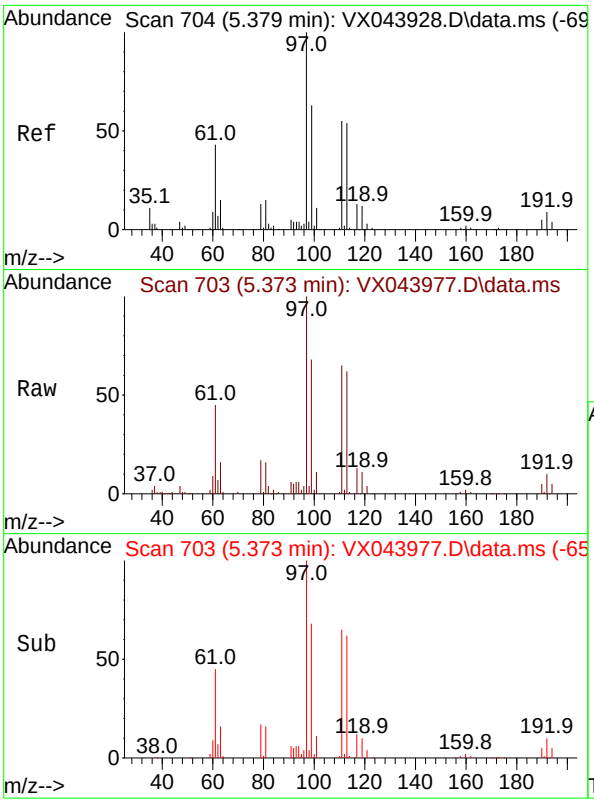


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:114 Resp: 232543

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	15.8	0.0	32.4



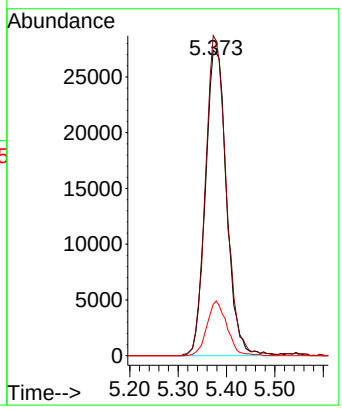


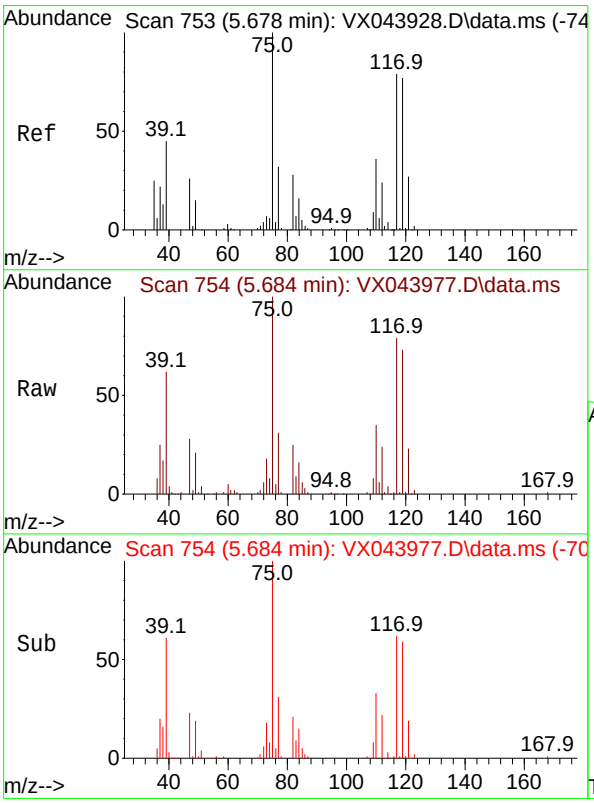
#35
Dibromofluoromethane
Concen: 50.333 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 83636

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.4
192	16.9	13.0	19.6

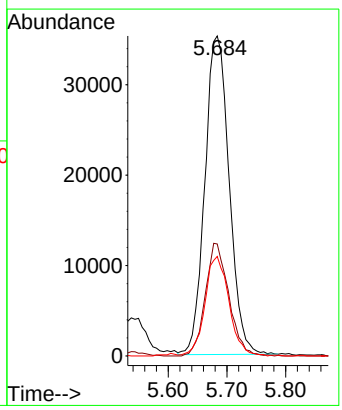


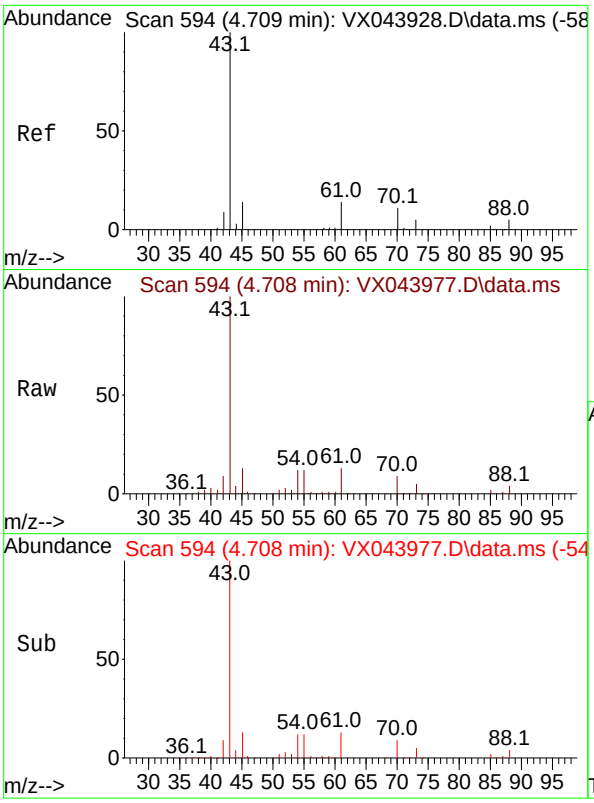


#36
1,1-Dichloropropene
Concen: 49.026 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 101514

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.2
77	30.9	25.8	38.8



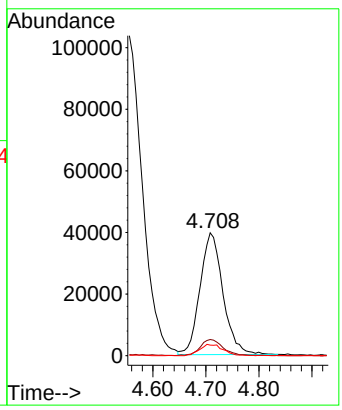


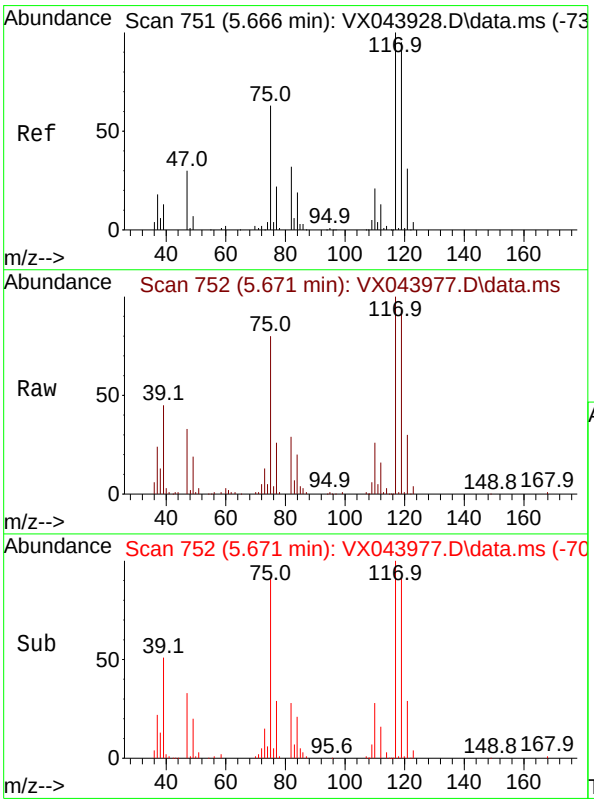
#37
Ethyl Acetate
Concen: 46.278 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 118947

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.4	8.0	12.0

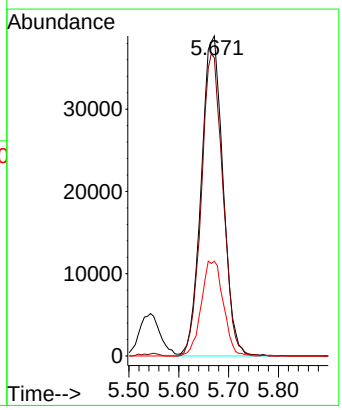


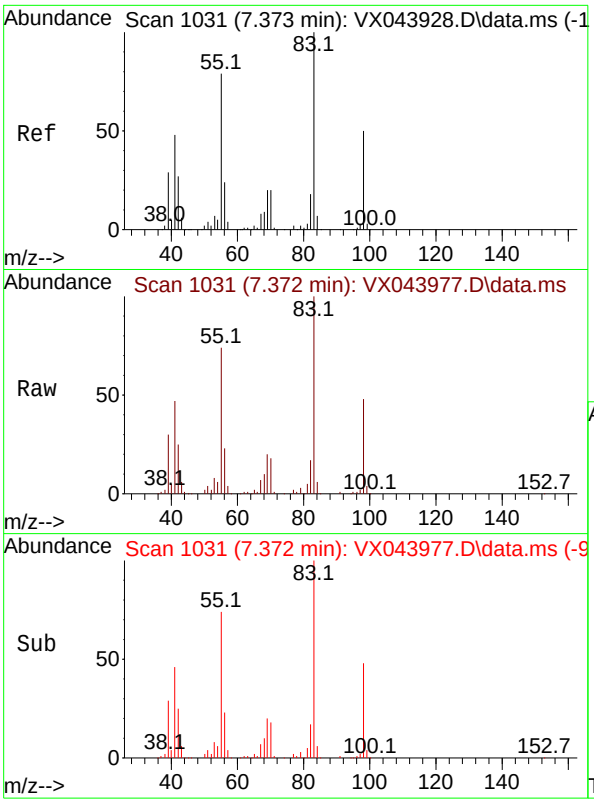


#38
Carbon Tetrachloride
Concen: 50.716 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 117996

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.2	112.8
121	29.6	24.5	36.7



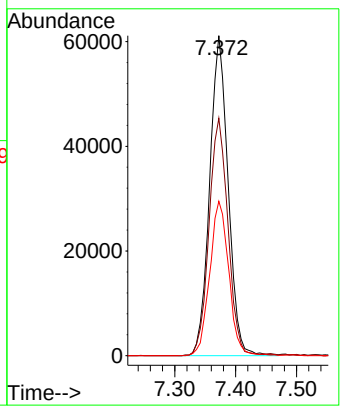


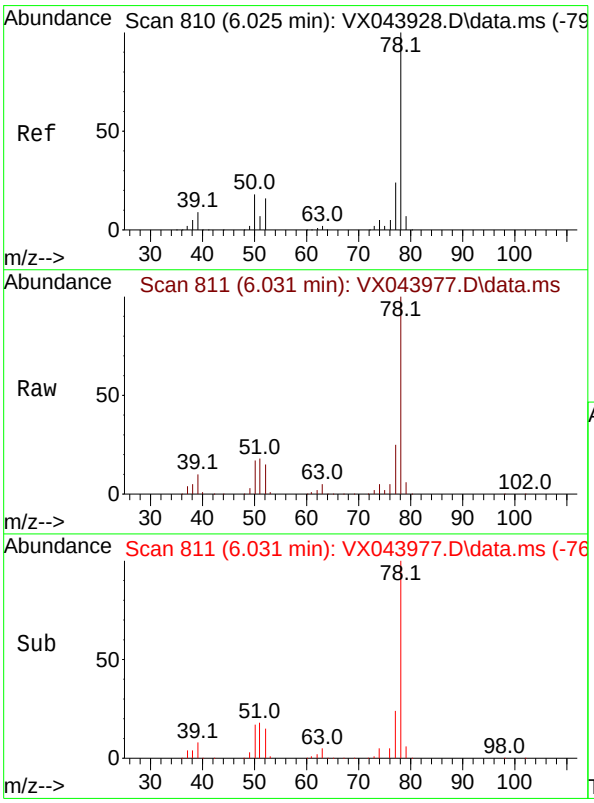
#39
Methylcyclohexane
Concen: 47.843 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 128697

Ion	Ratio	Lower	Upper
83	100		
55	74.2	63.1	94.7
98	48.3	40.0	60.0

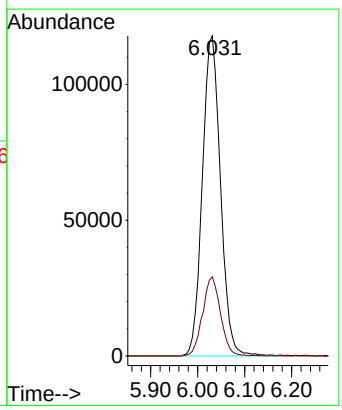


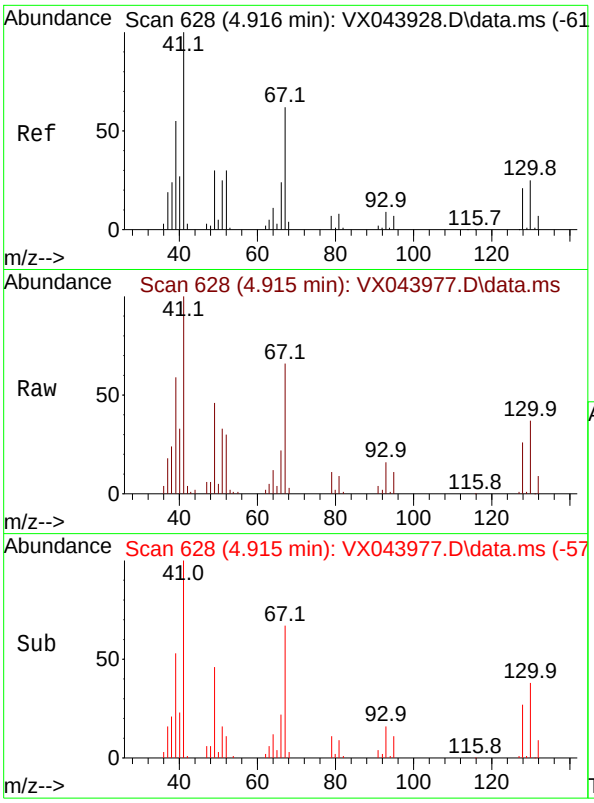


#40
Benzene
Concen: 48.936 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 78 Resp: 315624

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8



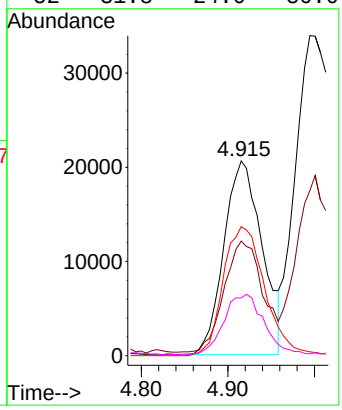


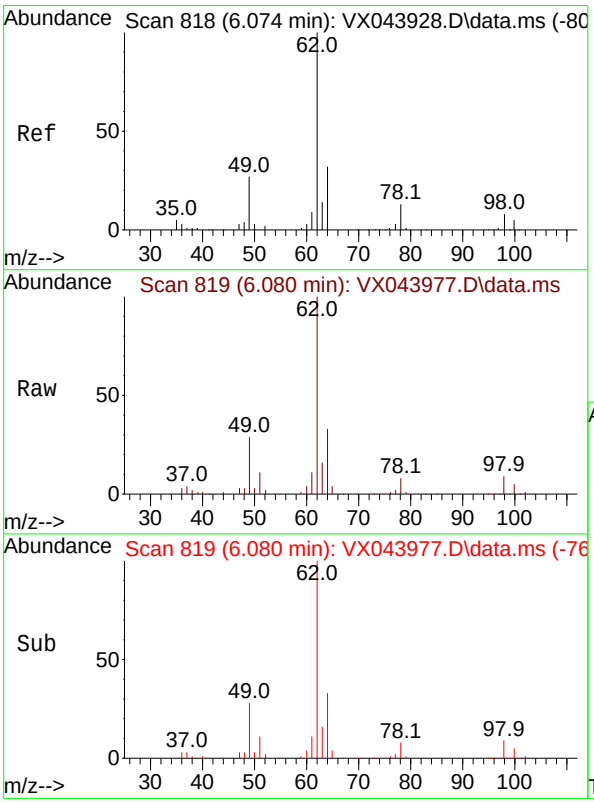
#41
Methacrylonitrile
Concen: 48.098 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 63274

Ion	Ratio	Lower	Upper
41	100		
39	57.8	41.7	62.5
67	72.6	55.8	83.8
52	31.8	24.0	36.0

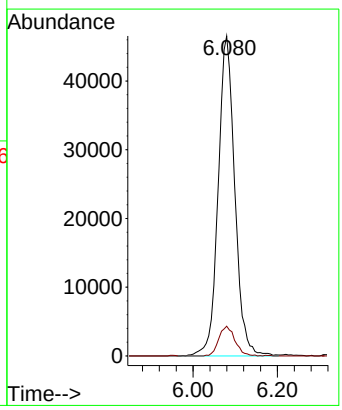


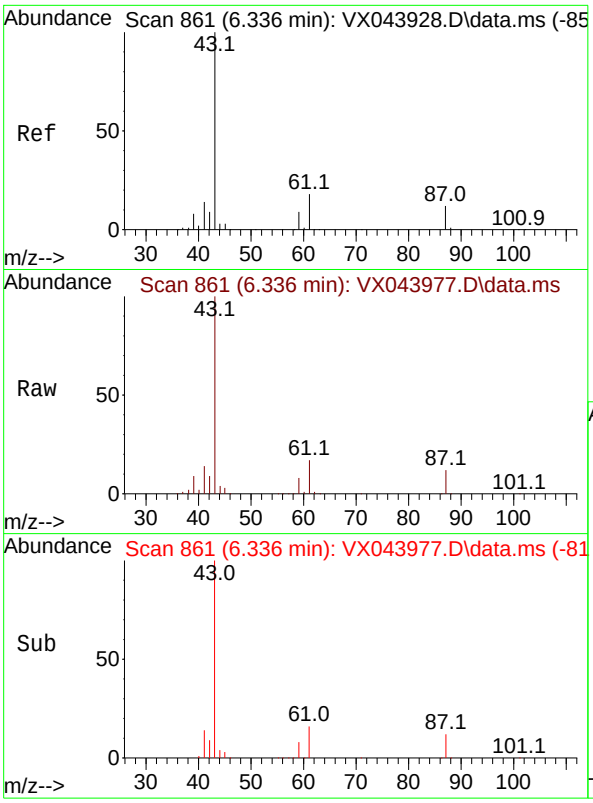


#42
1,2-Dichloroethane
Concen: 49.018 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 126975

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.4



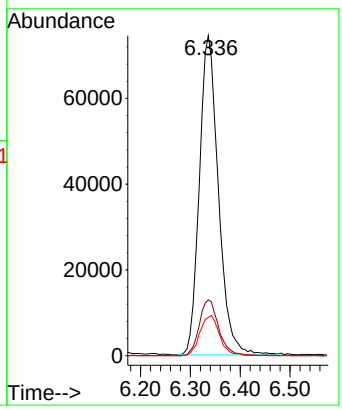


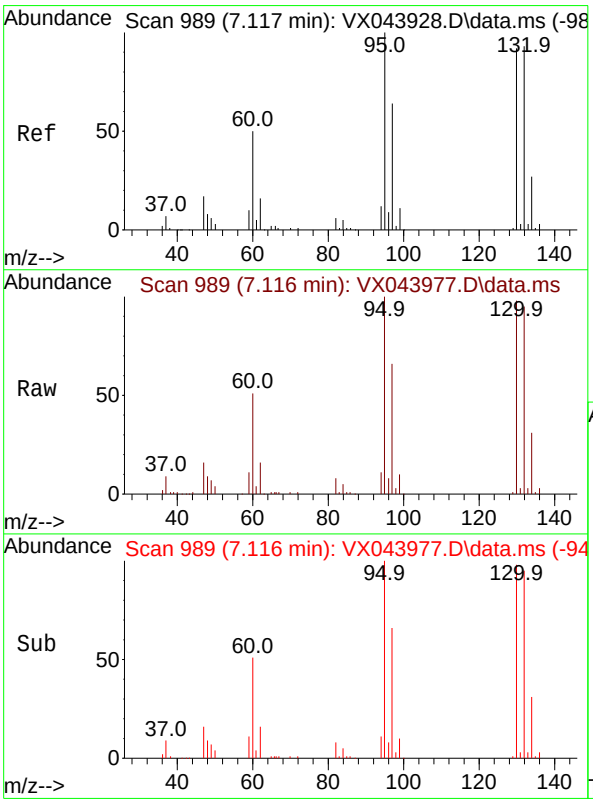
#43
Isopropyl Acetate
Concen: 48.245 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 197344

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	12.9	10.2	15.2

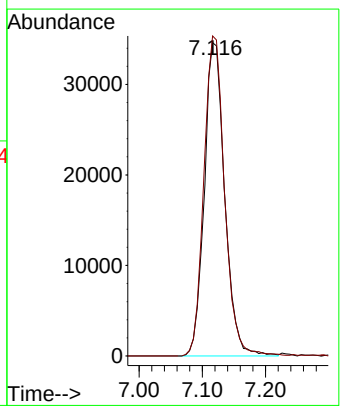


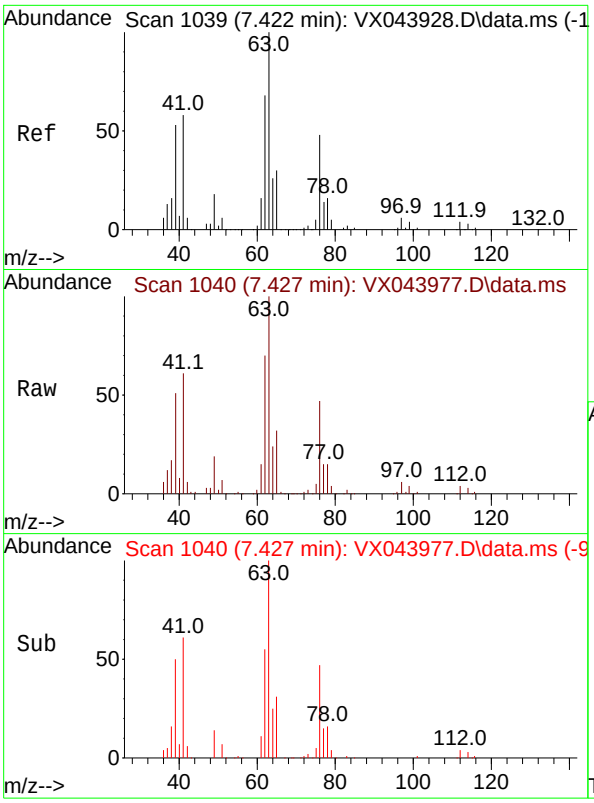


#44
Trichloroethene
Concen: 42.546 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:130 Resp: 77683

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	217.8



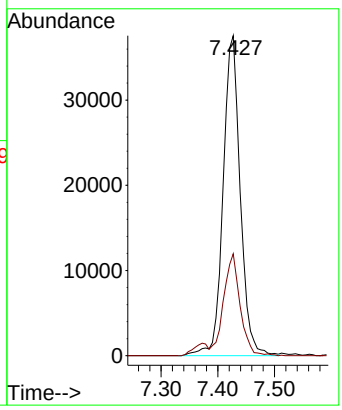


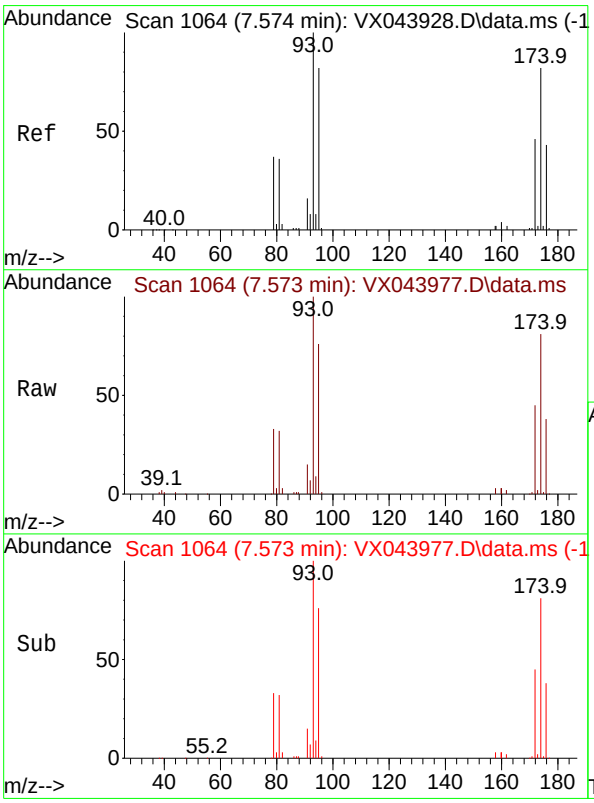
#45
1,2-Dichloropropane
Concen: 49.890 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 78811

Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.8	35.6

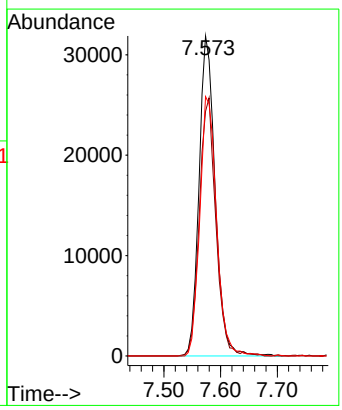


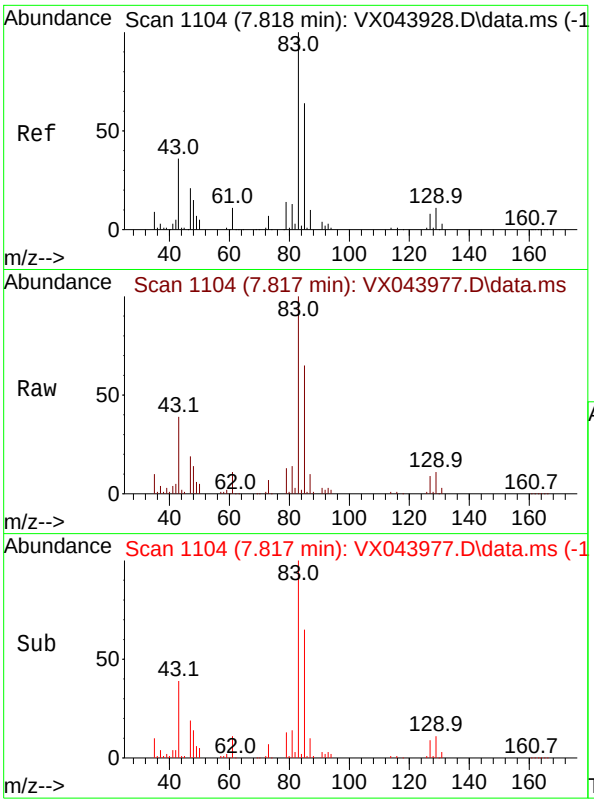


#46
Dibromomethane
Concen: 50.387 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 93 Resp: 62964

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	84.6	69.6	104.4



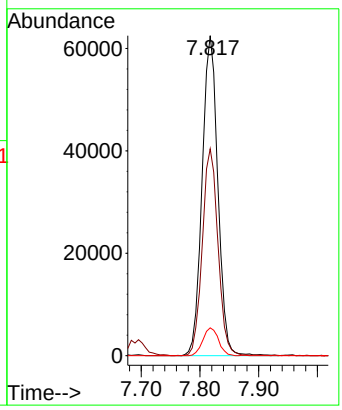


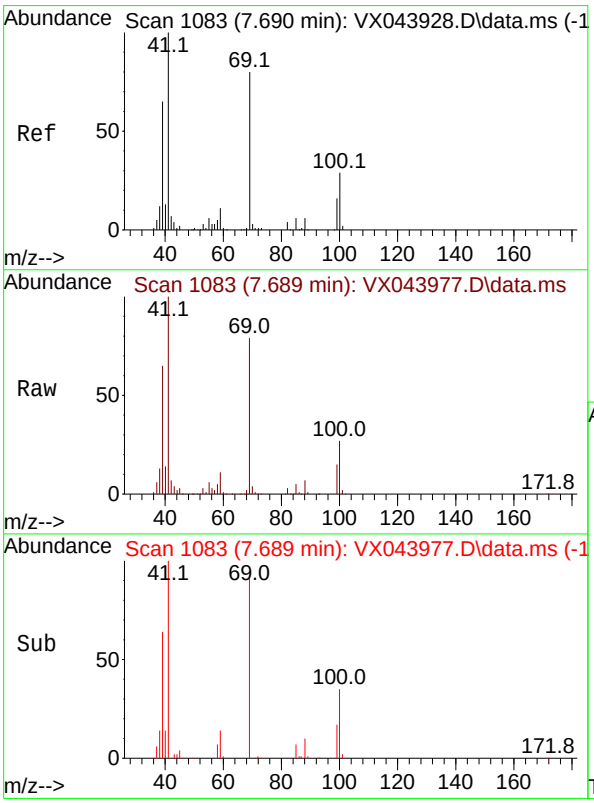
#47
Bromodichloromethane
Concen: 51.893 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 116299

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.7	6.6	10.0

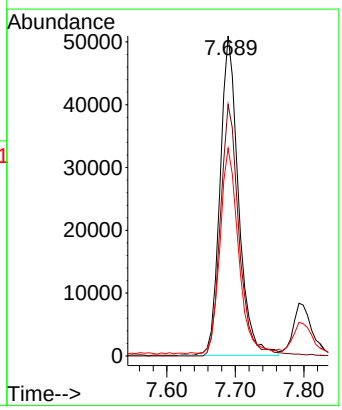


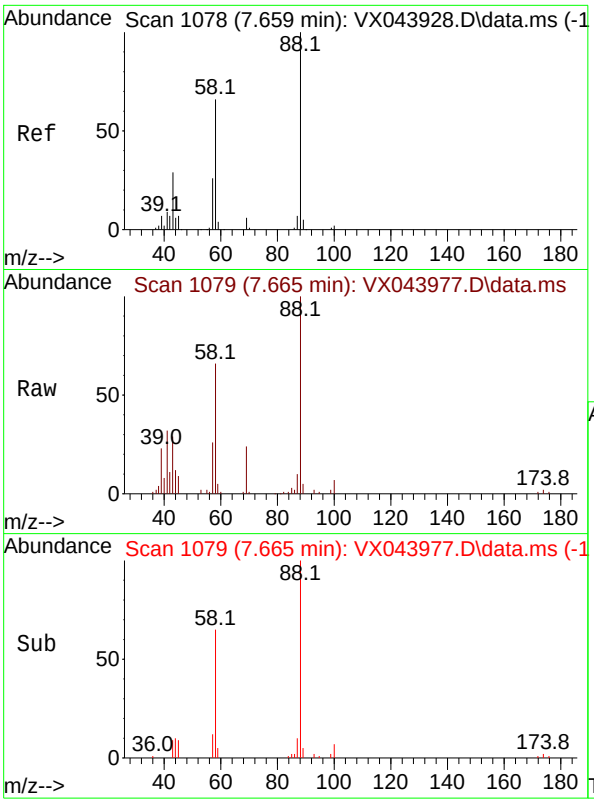


#48
Methyl methacrylate
Concen: 48.244 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 94692

Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	63.9	53.3	79.9



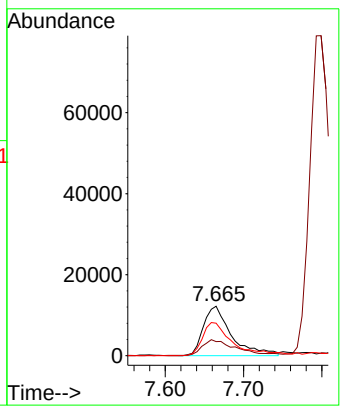


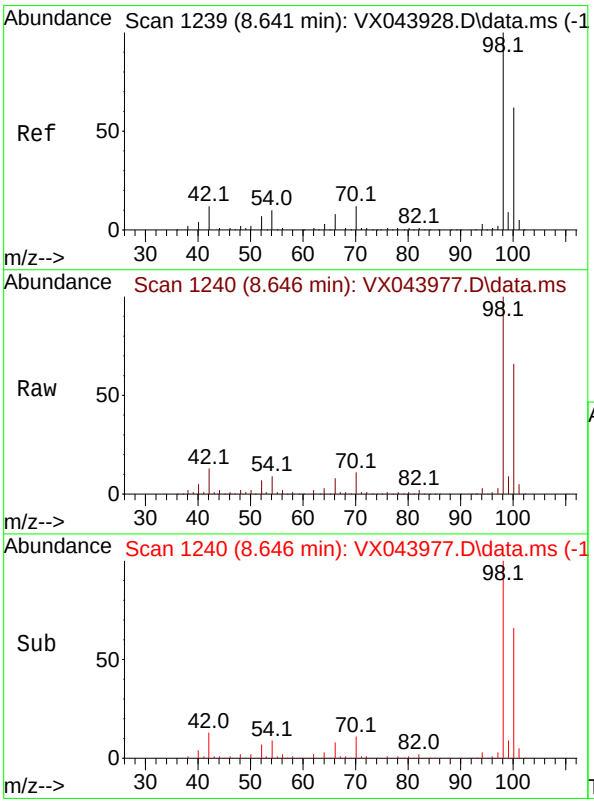
#49
1,4-Dioxane
Concen: 869.321 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 30394

Ion	Ratio	Lower	Upper
88	100		
43	40.1	26.8	40.2
58	71.7	45.4	68.2#

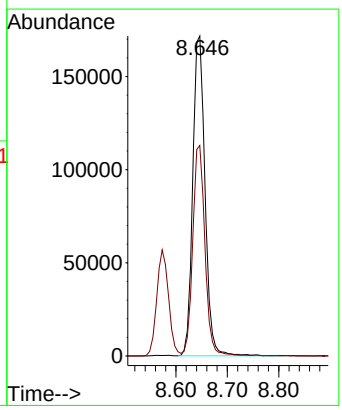


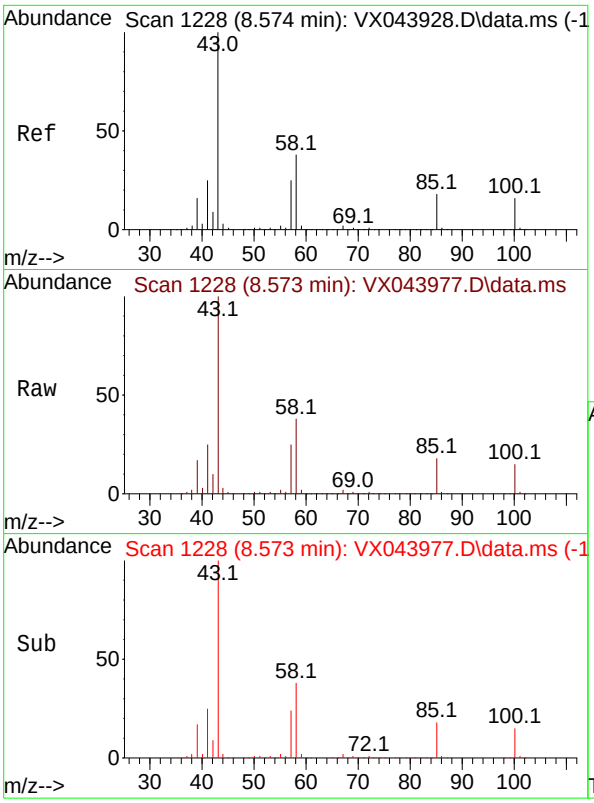


#50
Toluene-d8
Concen: 49.805 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 98 Resp: 285275

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



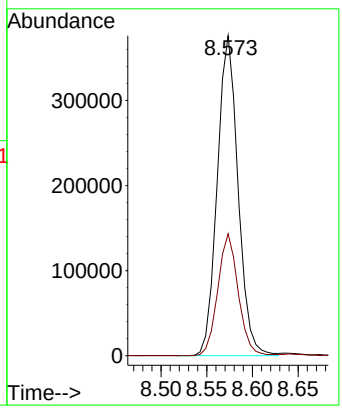


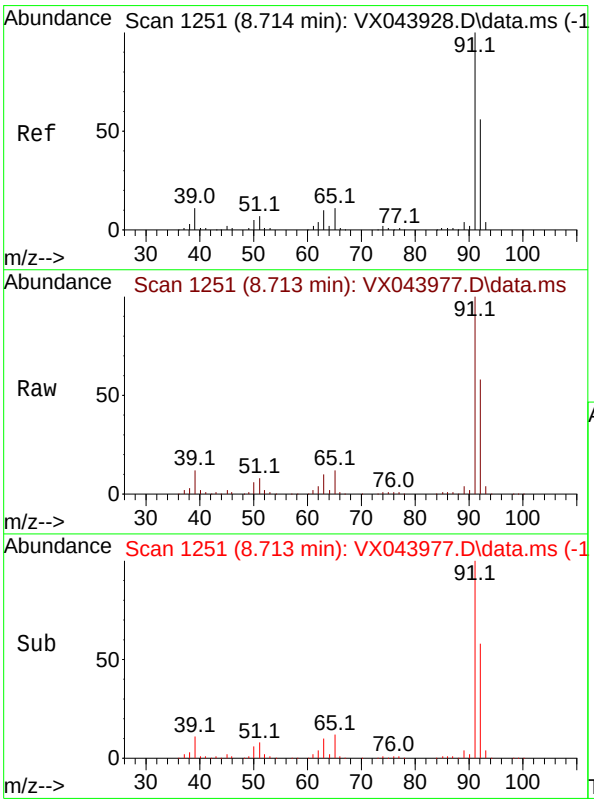
#51
4-Methyl-2-Pentanone
Concen: 238.823 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 596153

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.0	45.0

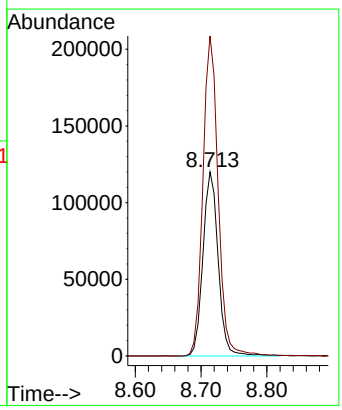


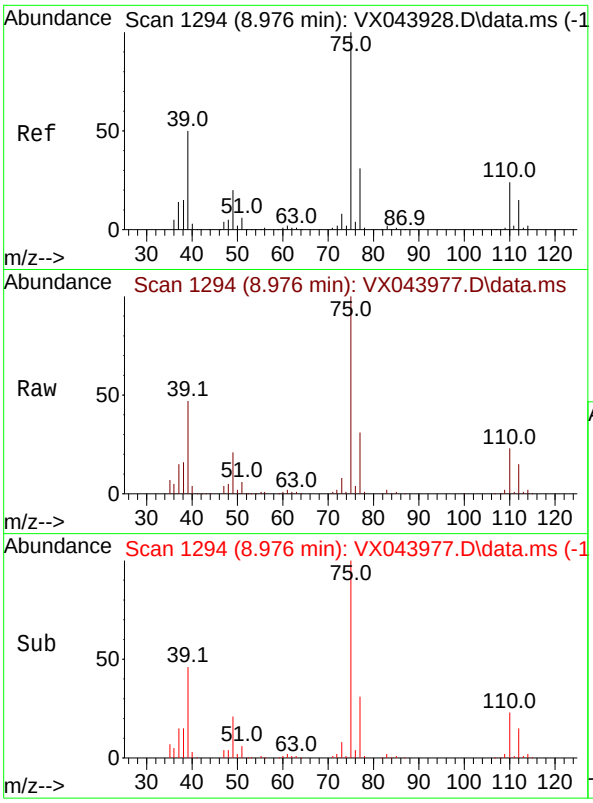


#52
Toluene
Concen: 50.022 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 92 Resp: 193103

Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.7	209.5



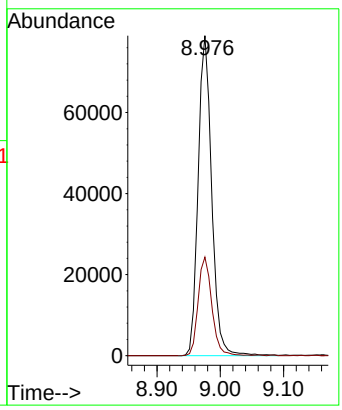


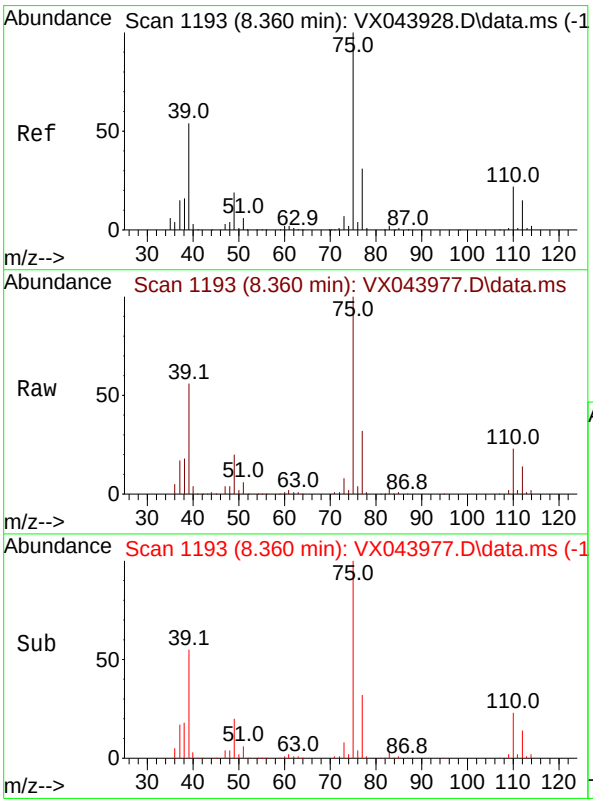
#53
t-1,3-Dichloropropene
Concen: 51.600 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 117928

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7

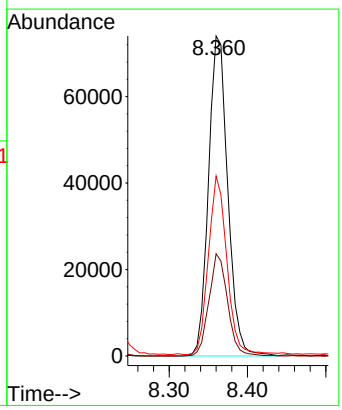


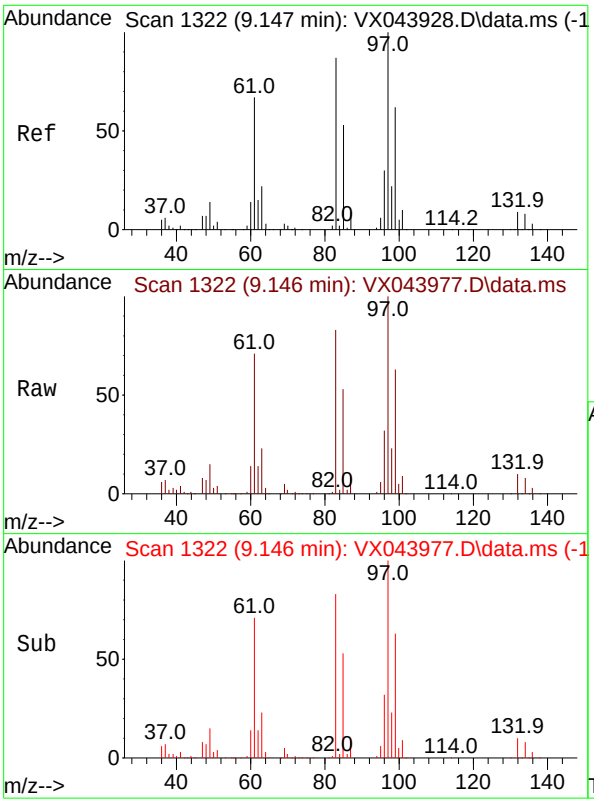


#54
cis-1,3-Dichloropropene
Concen: 50.373 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 126204

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	55.6	43.1	64.7



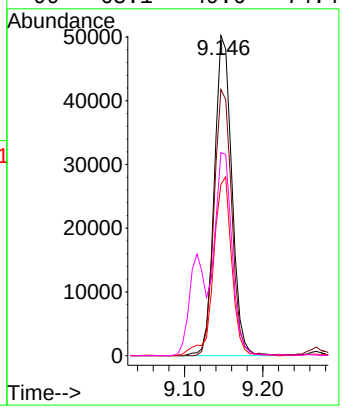


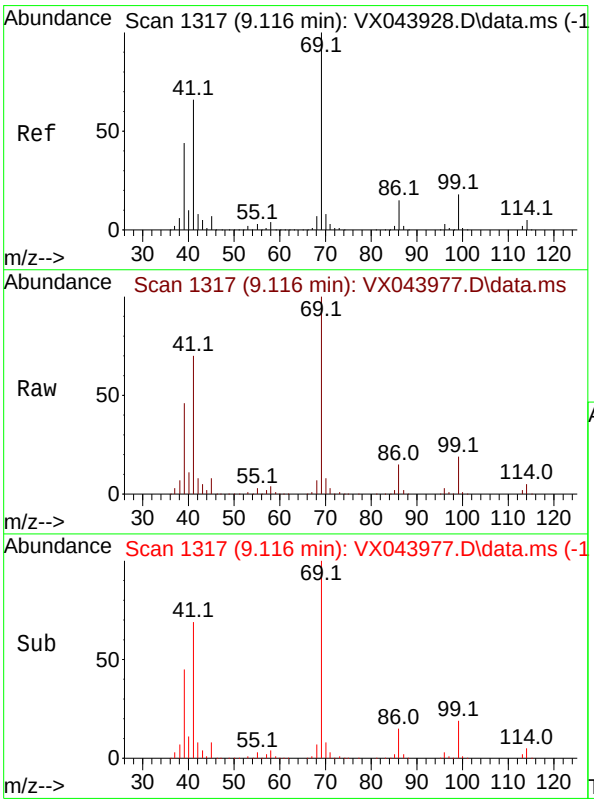
#55
1,1,2-Trichloroethane
Concen: 49.075 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 78203

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	53.5	42.3	63.5
99	63.1	49.6	74.4

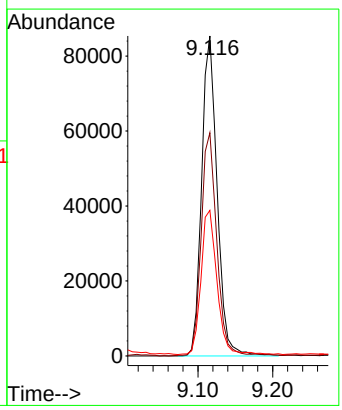


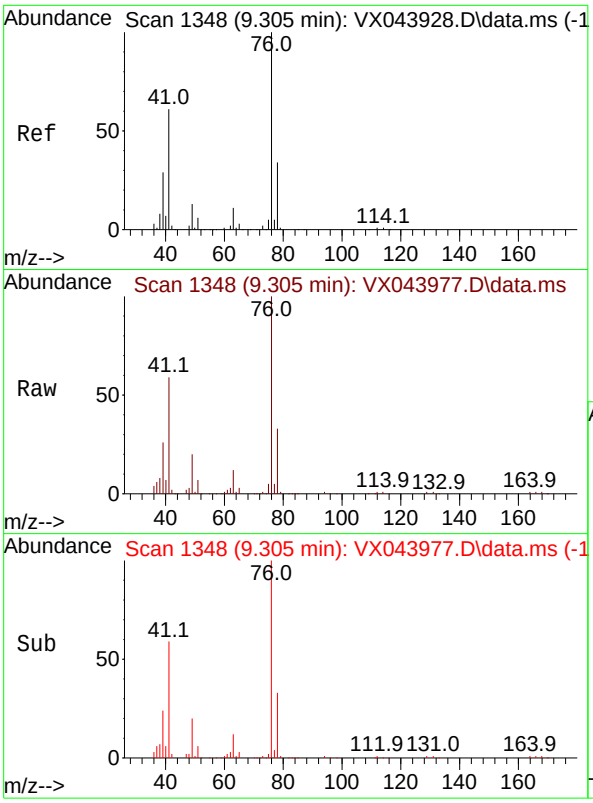


#56
Ethyl methacrylate
Concen: 49.531 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 69 Resp: 122941

Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.8
39	46.5	36.7	55.1



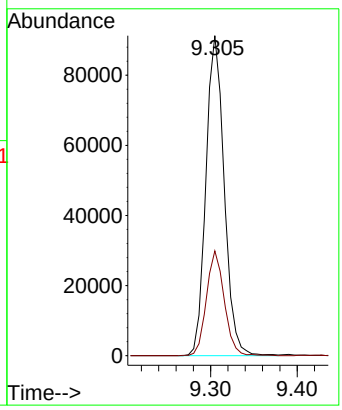


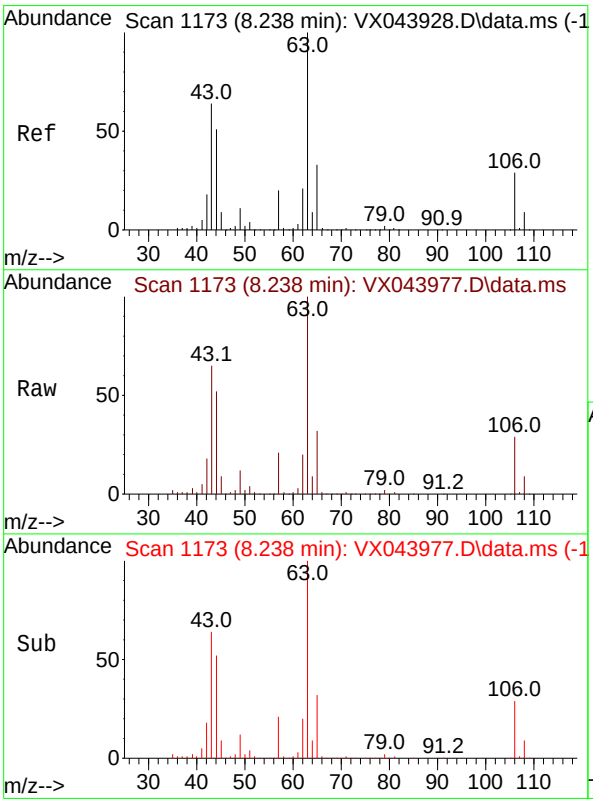
#57
1,3-Dichloropropane
Concen: 49.872 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 133878

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

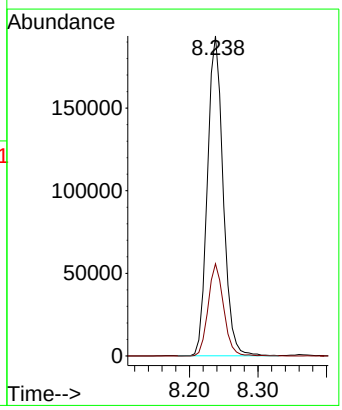


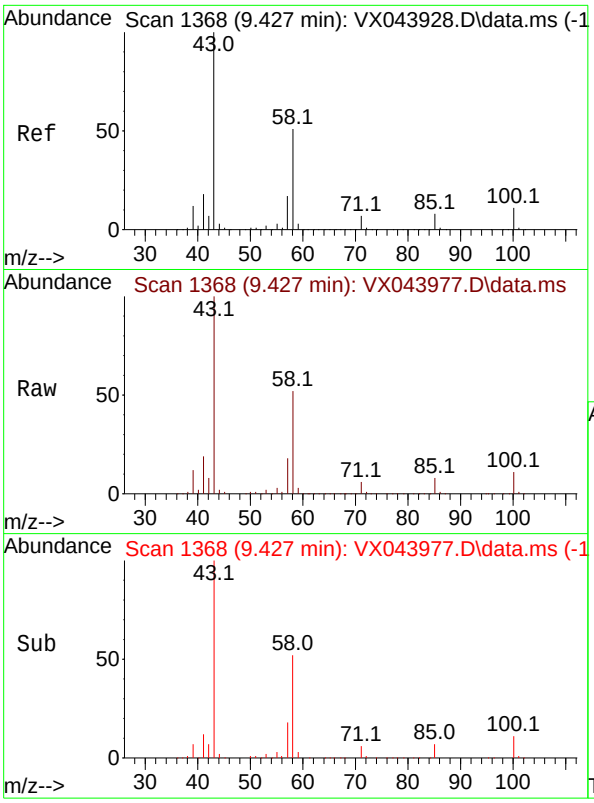


#58
2-Chloroethyl Vinyl ether
Concen: 226.771 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 308826

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



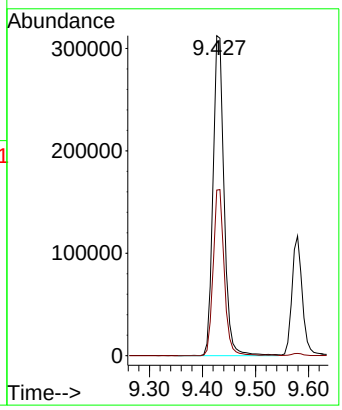


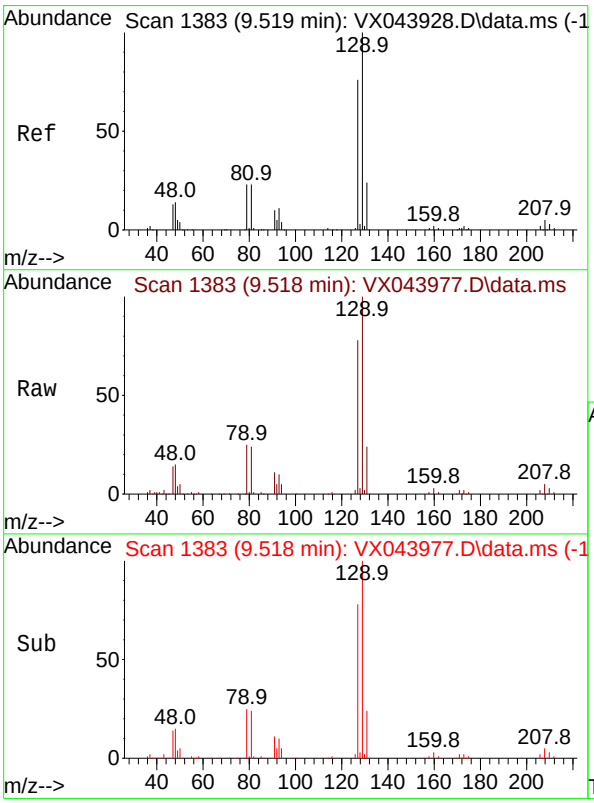
#59
2-Hexanone
Concen: 241.619 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 453330

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

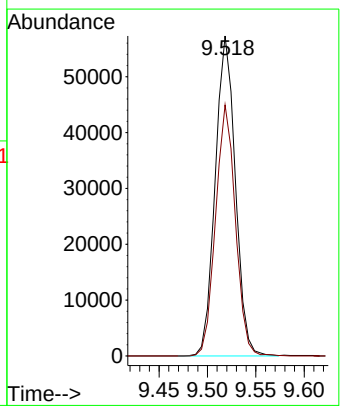


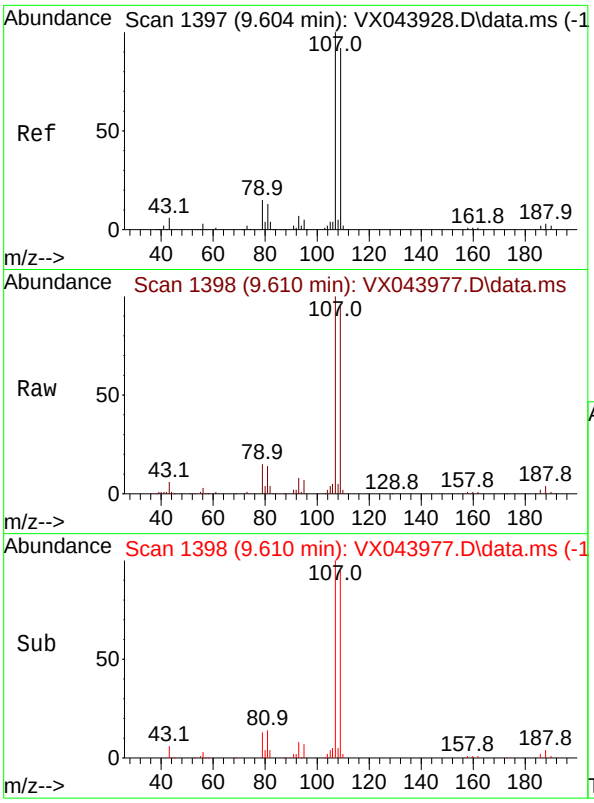


#60
Dibromochloromethane
Concen: 51.814 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:129 Resp: 82843

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6



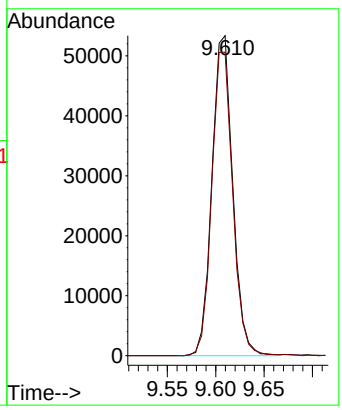


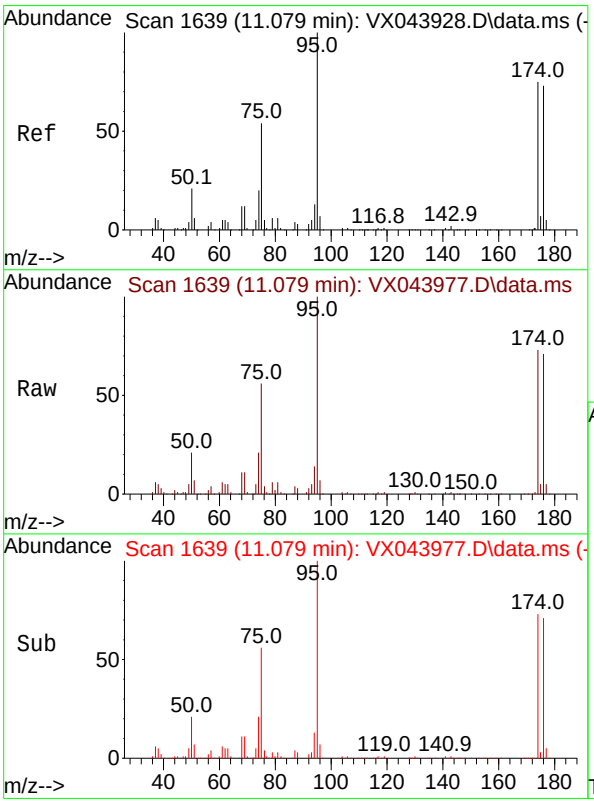
#61
1,2-Dibromoethane
Concen: 49.645 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 79994

Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.2	112.8

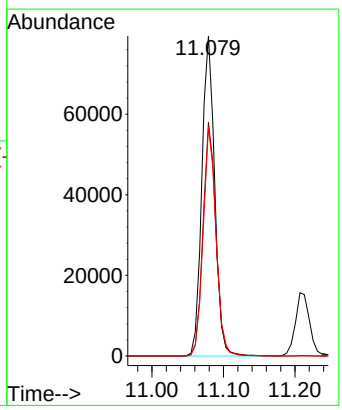


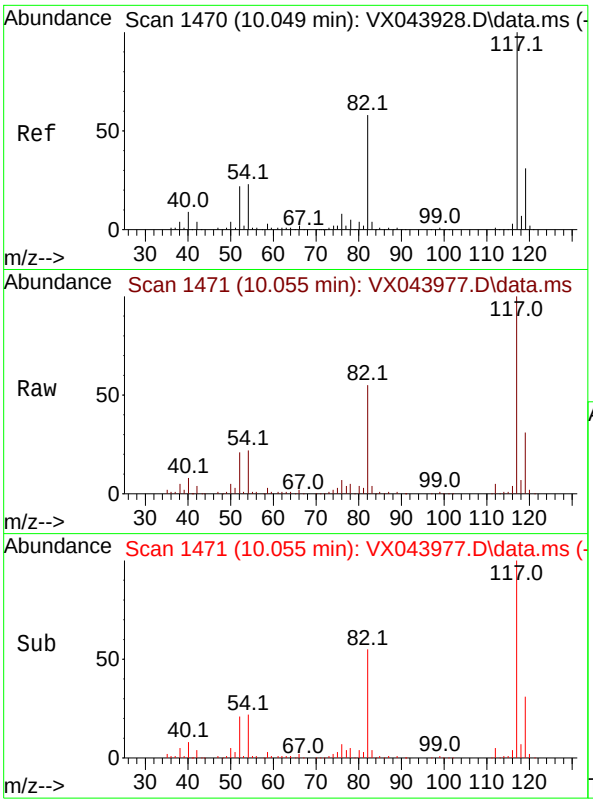


#62
4-Bromofluorobenzene
Concen: 50.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 95 Resp: 98993

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.4
176	71.7	0.0	146.0



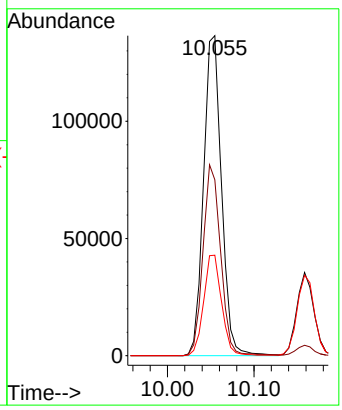


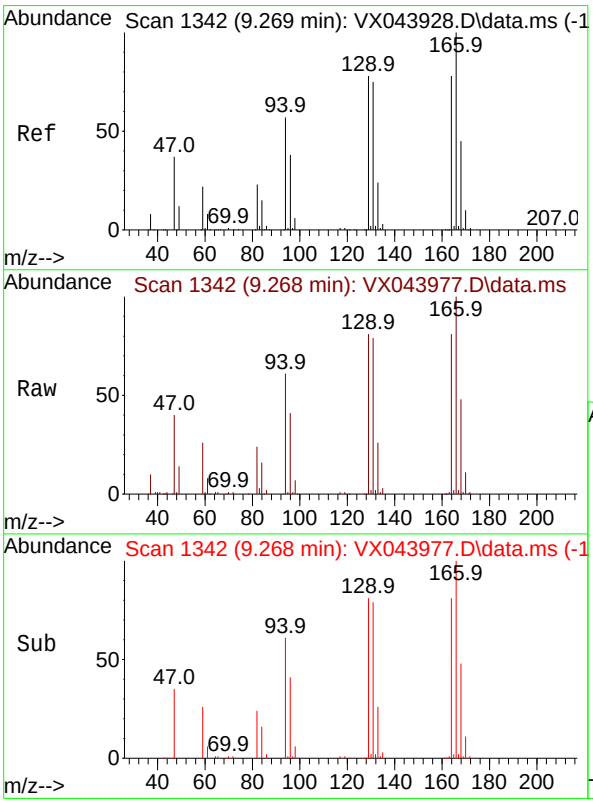
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 196596

Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.4	69.6
119	31.4	24.6	37.0

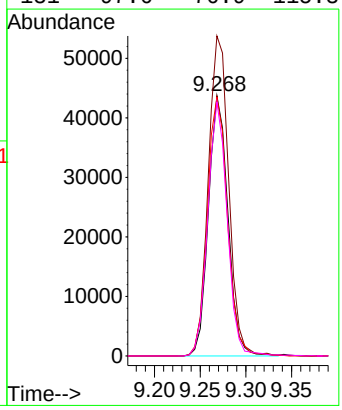


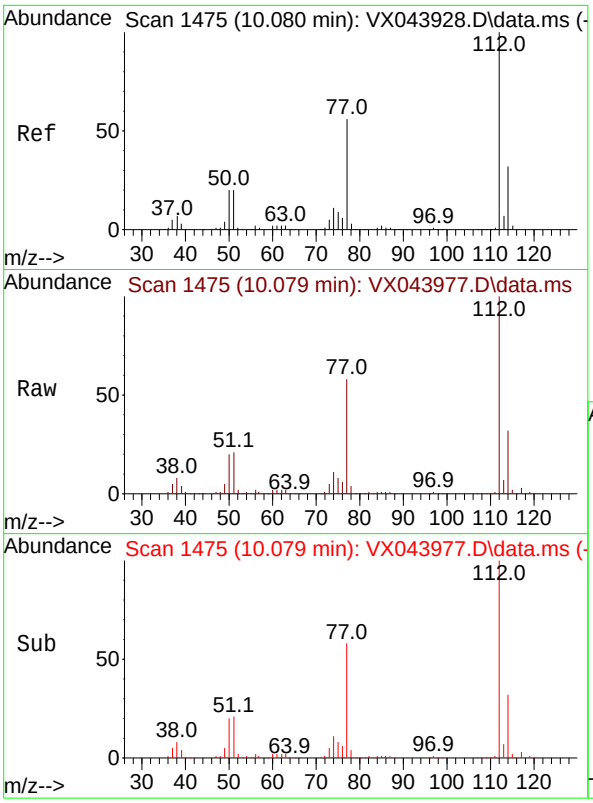


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:164 Resp: 64988

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.1	153.1
129	99.5	79.6	119.4
131	97.6	76.9	115.3



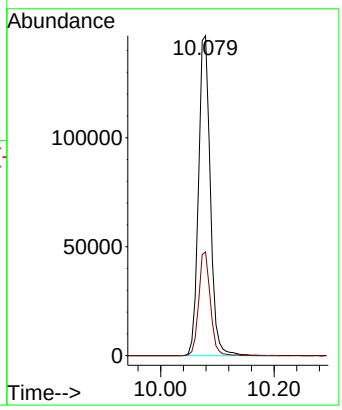


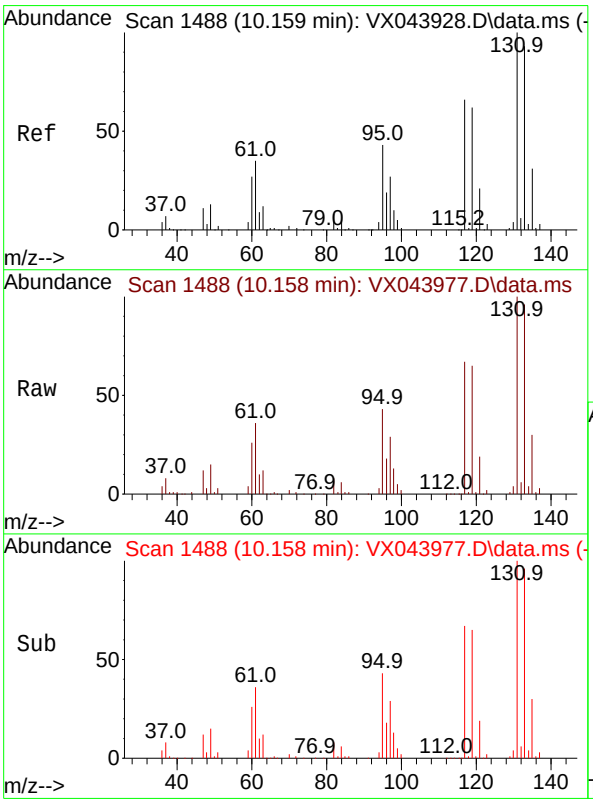
#65
Chlorobenzene
Concen: 49.197 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 212422

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

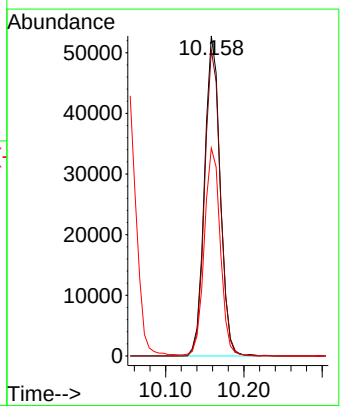


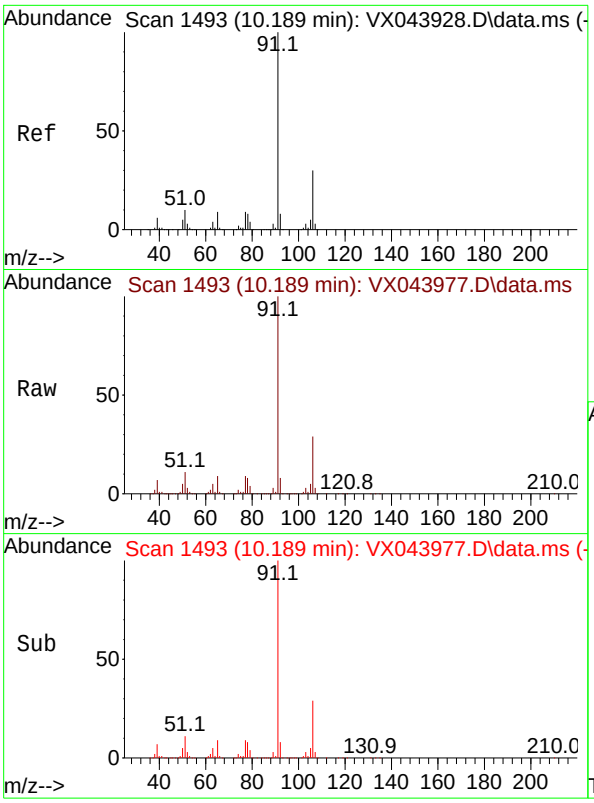


#66
1,1,1,2-Tetrachloroethane
Concen: 52.189 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:131 Resp: 73082

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.2	144.6
119	66.2	31.5	94.5



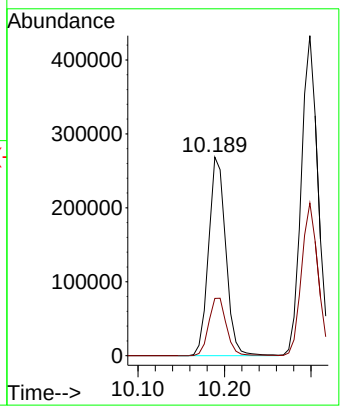


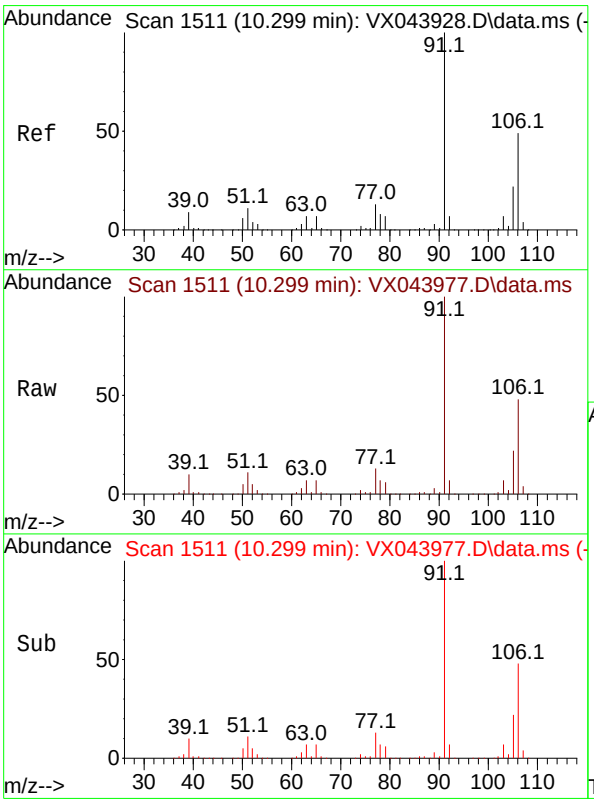
#67
Ethyl Benzene
Concen: 50.561 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 369929

Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.6	35.4

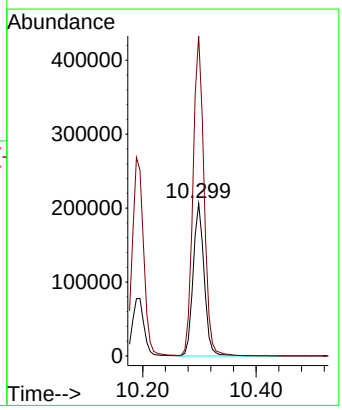


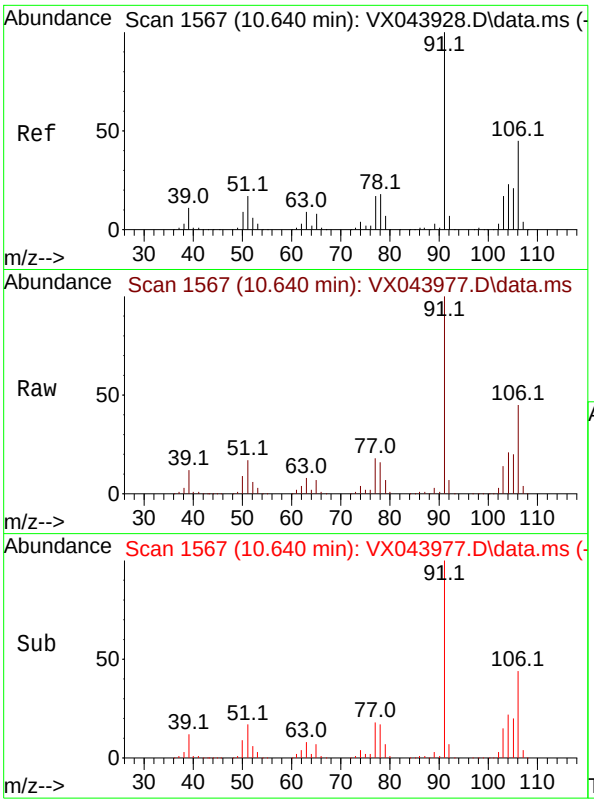


#68
m/p-Xylenes
Concen: 101.696 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:106 Resp: 277477

Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.1	252.1



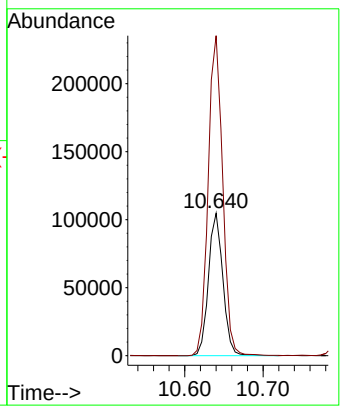


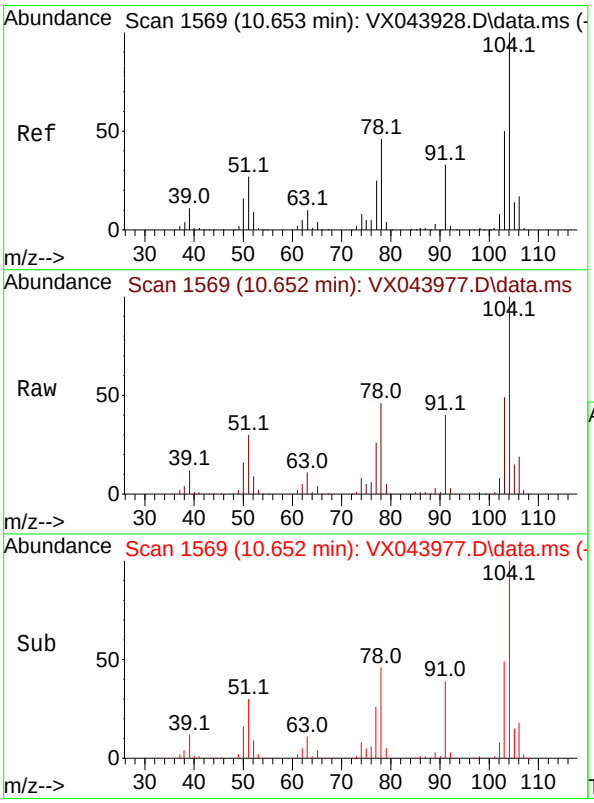
#69
o-Xylene
Concen: 50.067 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 133377

Ion	Ratio	Lower	Upper
106	100		
91	226.0	110.2	330.6

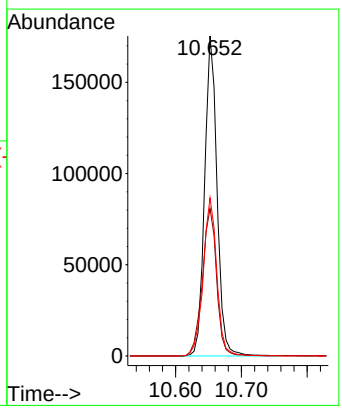


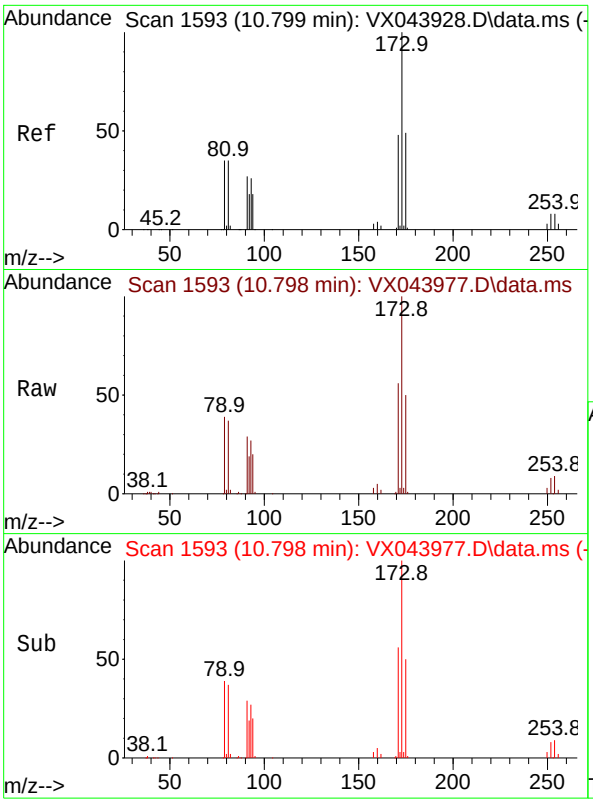


#70
Styrene
Concen: 52.353 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:104 Resp: 230674

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.2
103	54.3	44.7	67.1



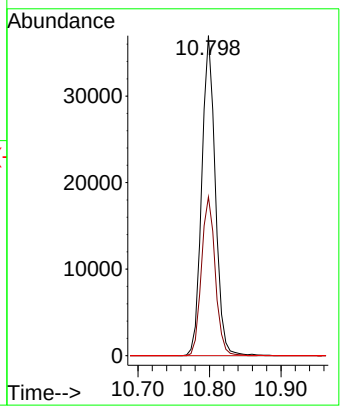


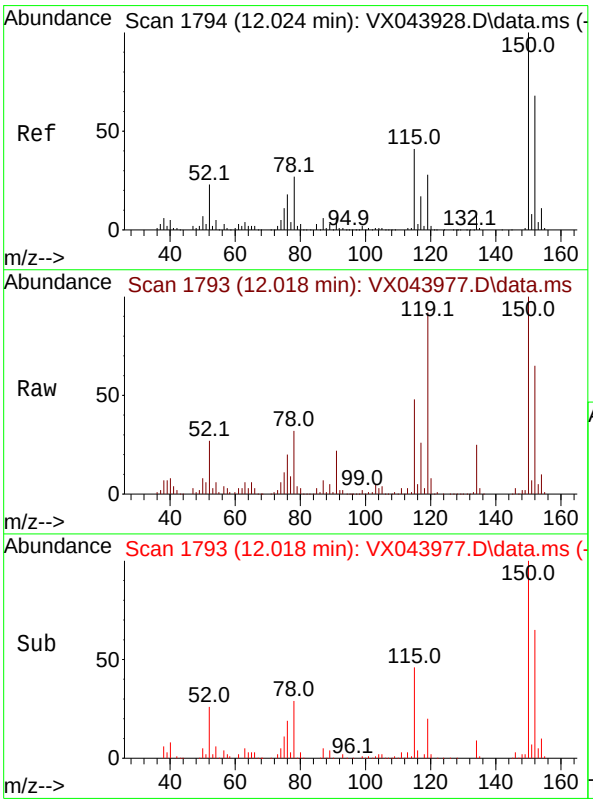
#71
Bromoform
Concen: 46.066 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 48701

Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.1	72.2
254	0.0	0.0	0.0

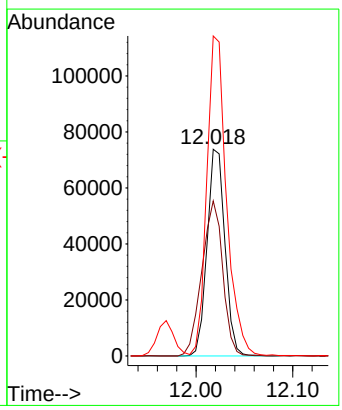


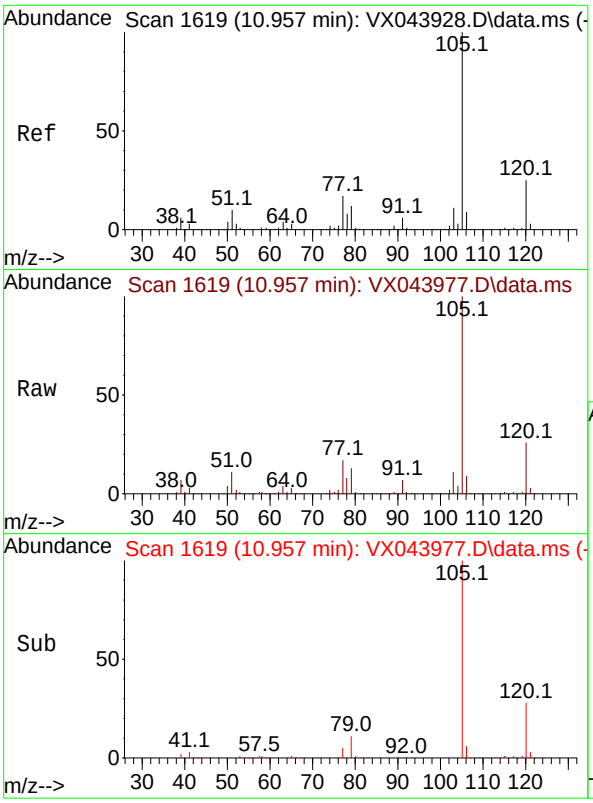


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:152 Resp: 94886

Ion	Ratio	Lower	Upper
152	100		
115	87.5	45.4	136.2
150	170.8	0.0	353.0



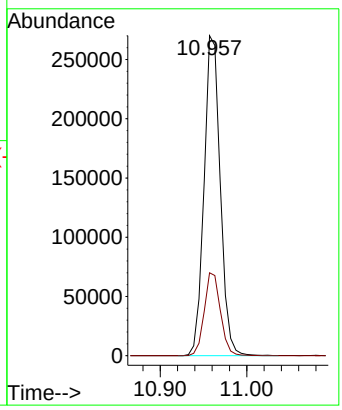


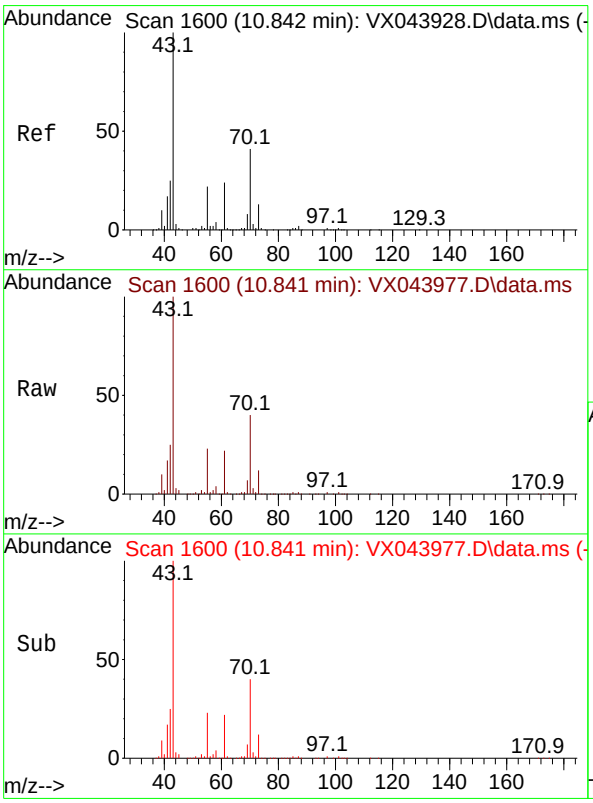
#73
Isopropylbenzene
Concen: 48.163 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 351294

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

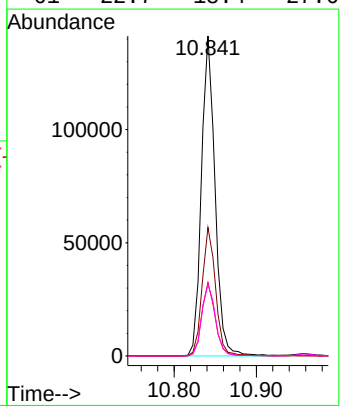


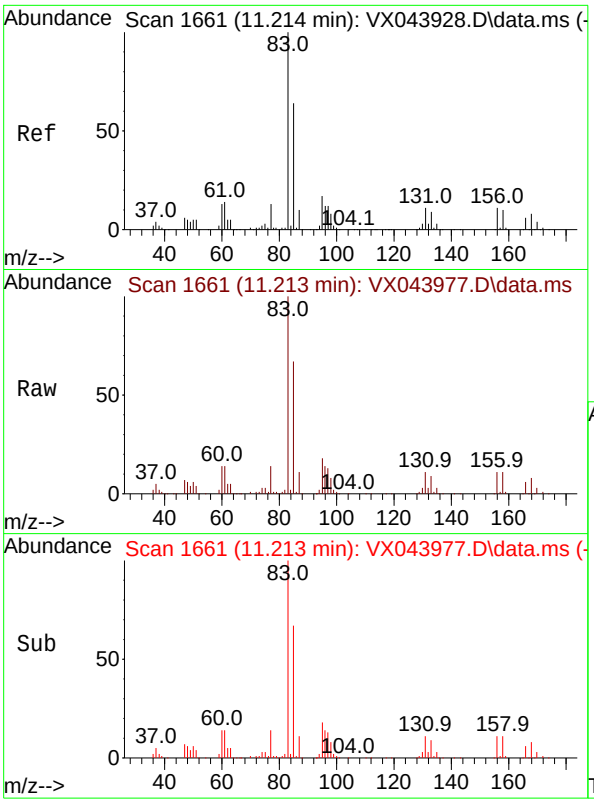


#74
N-amyl acetate
Concen: 48.361 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 163405

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	22.8	18.1	27.1
61	22.7	18.4	27.6



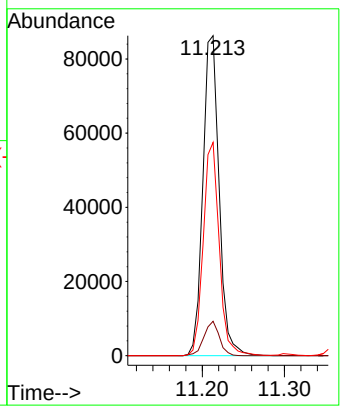


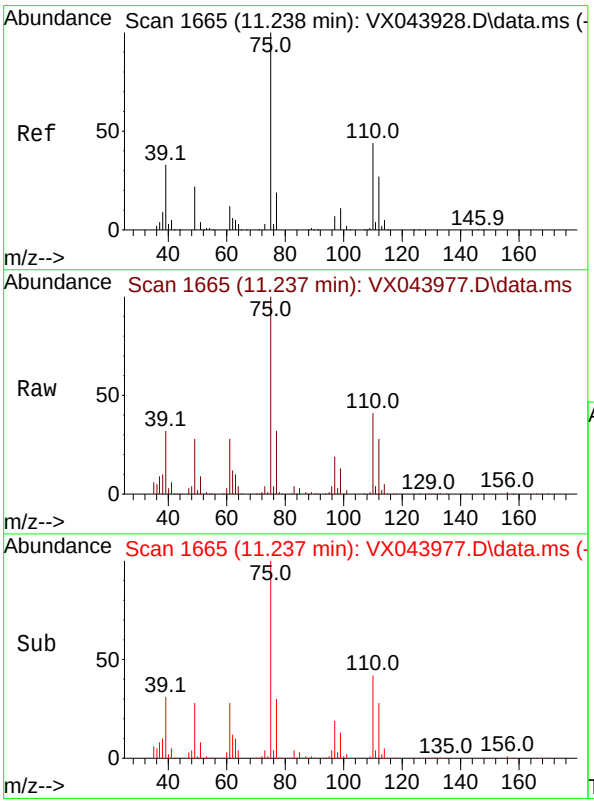
#75
1,1,2,2-Tetrachloroethane
Concen: 47.323 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 118187

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.2
85	65.6	32.2	96.6

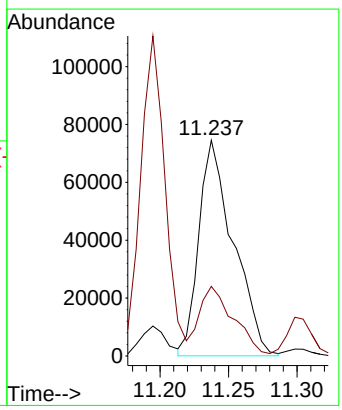


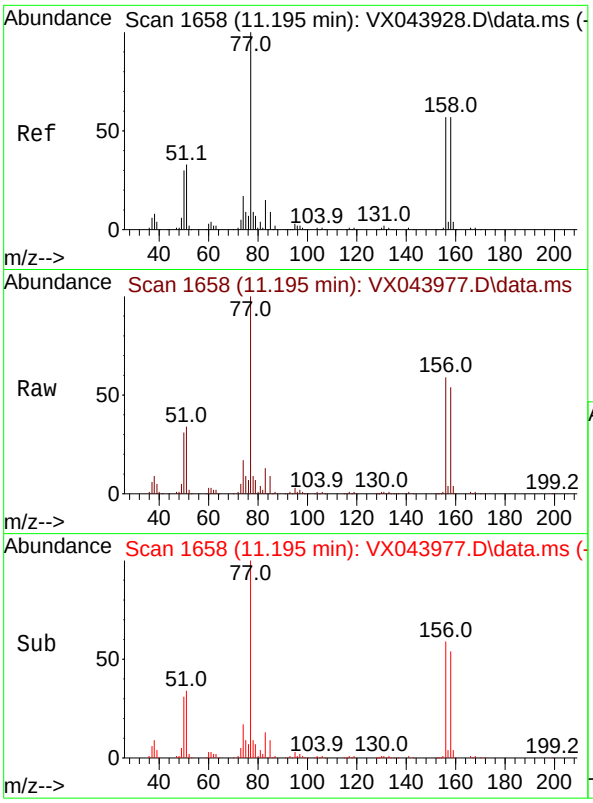


#76
1,2,3-Trichloropropane
Concen: 62.881 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 130845

Ion	Ratio	Lower	Upper
75	100		
77	32.0	21.8	65.3



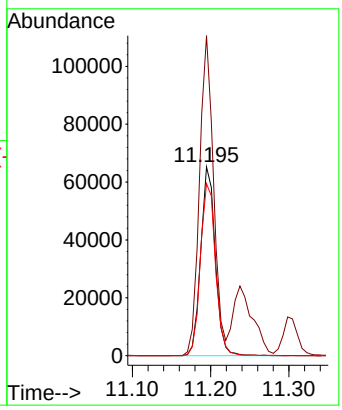


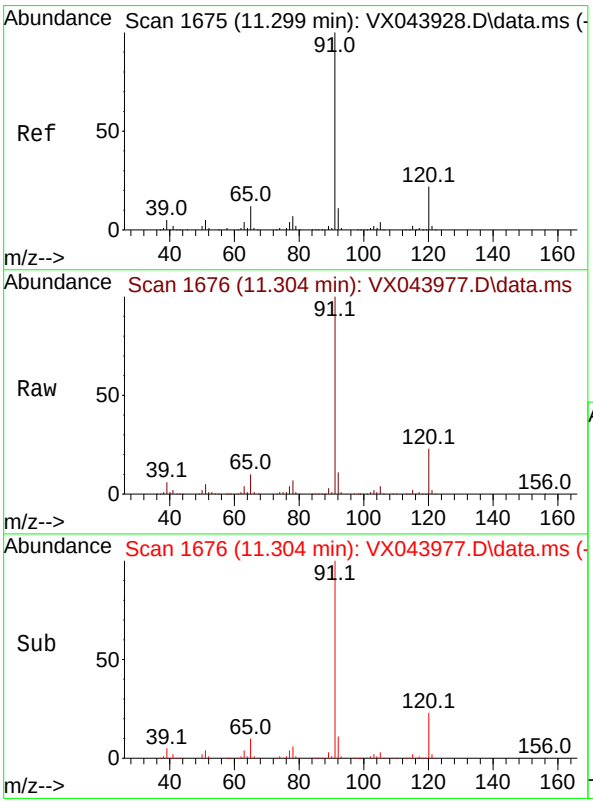
#77
Bromobenzene
Concen: 48.374 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 84168

Ion	Ratio	Lower	Upper
156	100		
77	163.8	83.4	250.1
158	94.8	47.6	142.8

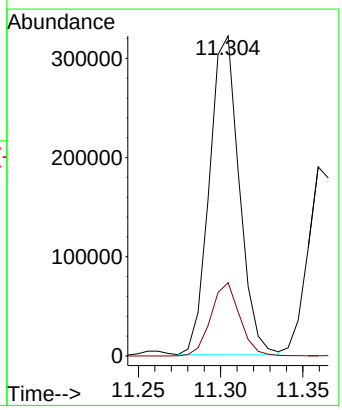


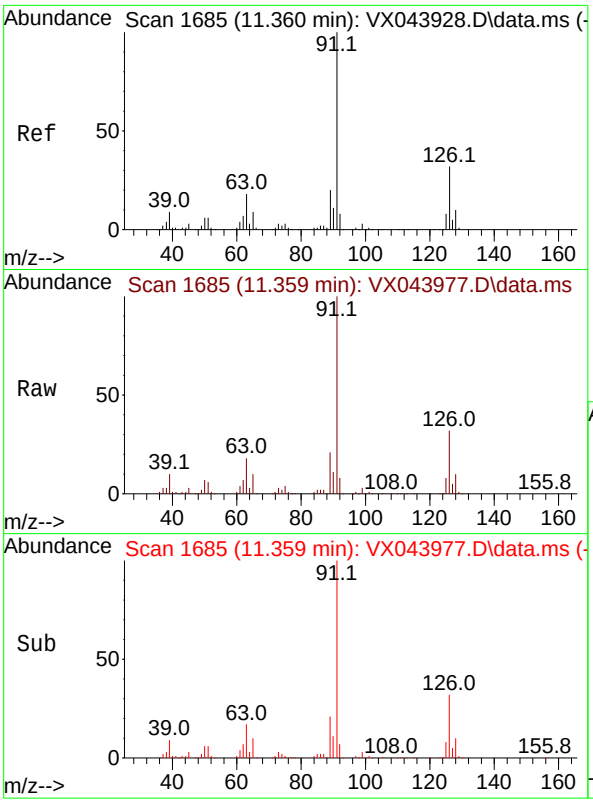


#78
n-propylbenzene
Concen: 49.892 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 406428

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4



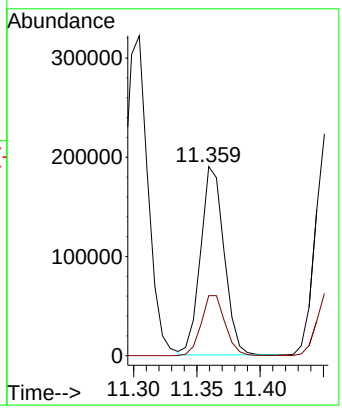


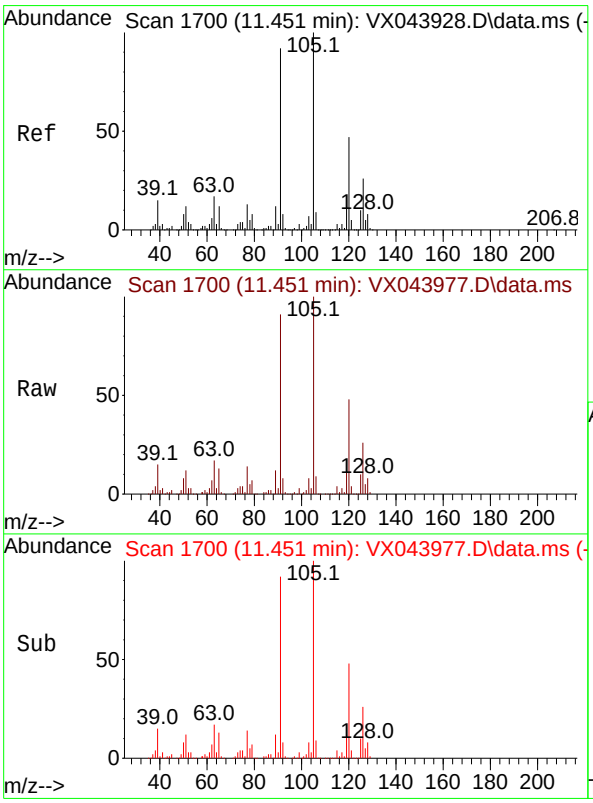
#79
2-Chlorotoluene
Concen: 47.802 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 246237

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8

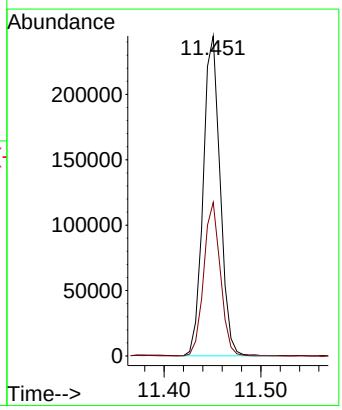


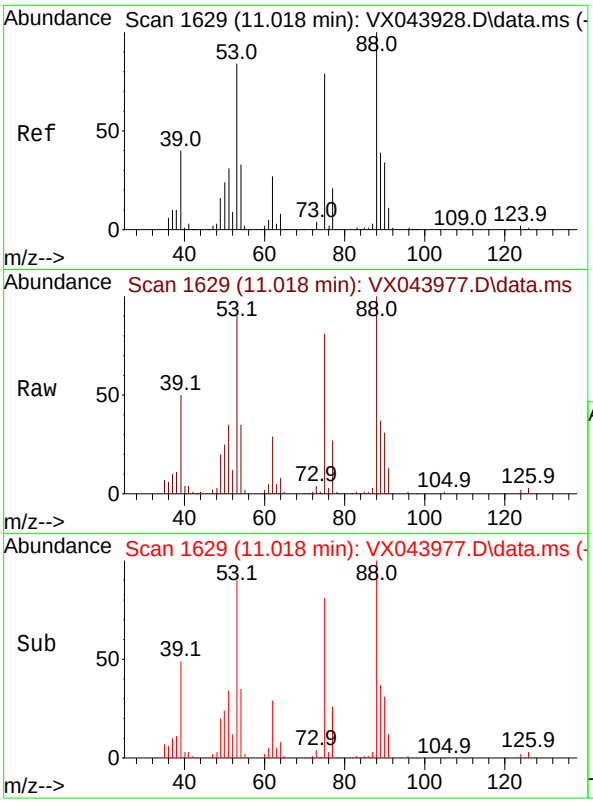


#80
1,3,5-Trimethylbenzene
Concen: 49.689 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298167

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8



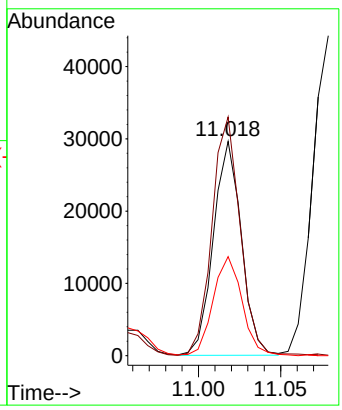


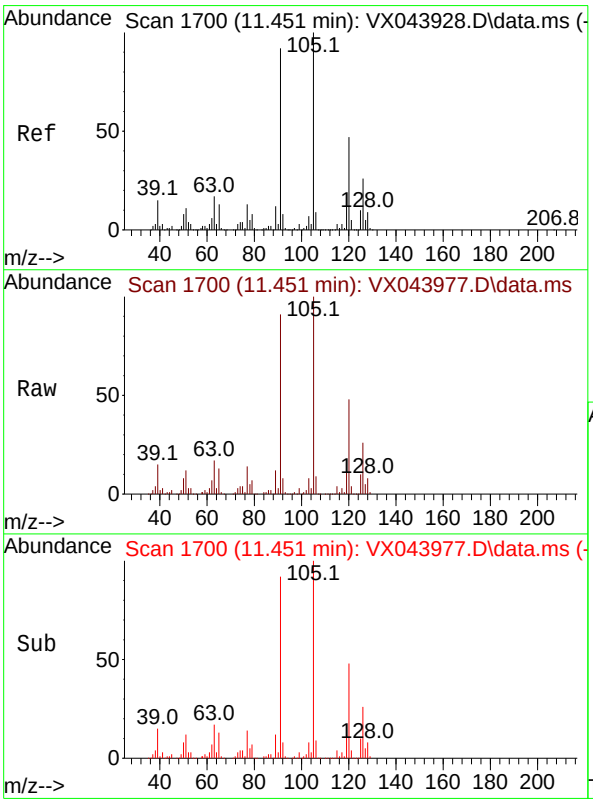
#81
trans-1,4-Dichloro-2-butene
Concen: 45.951 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 35040

Ion	Ratio	Lower	Upper
75	100		
53	113.2	86.7	130.1
89	48.2	38.2	57.2

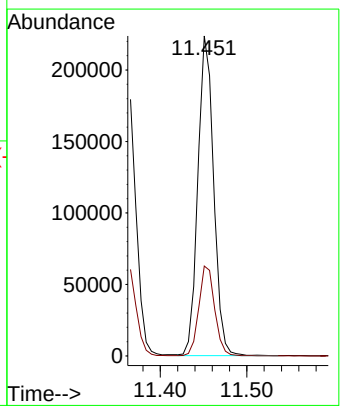


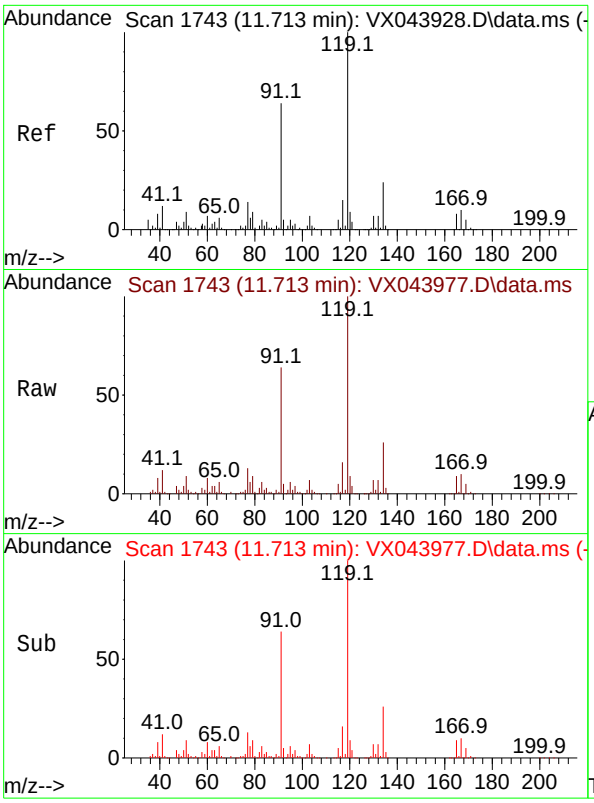


#82
4-Chlorotoluene
Concen: 48.585 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 282543

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.3	42.9



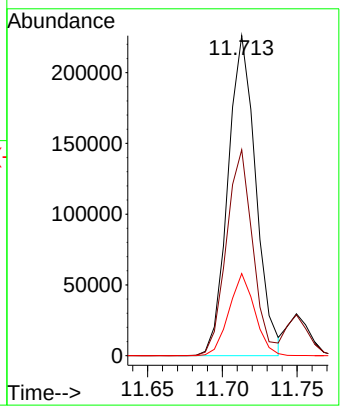


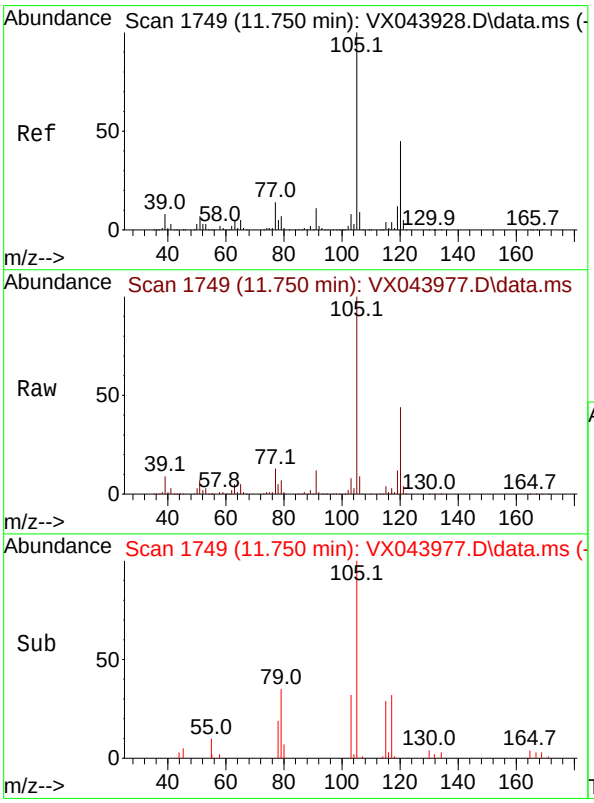
#83
tert-Butylbenzene
Concen: 49.242 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 292877

Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.0	93.0
134	23.8	11.6	34.8

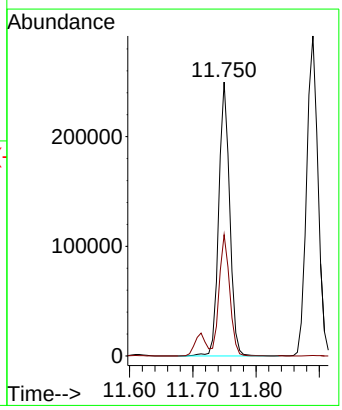


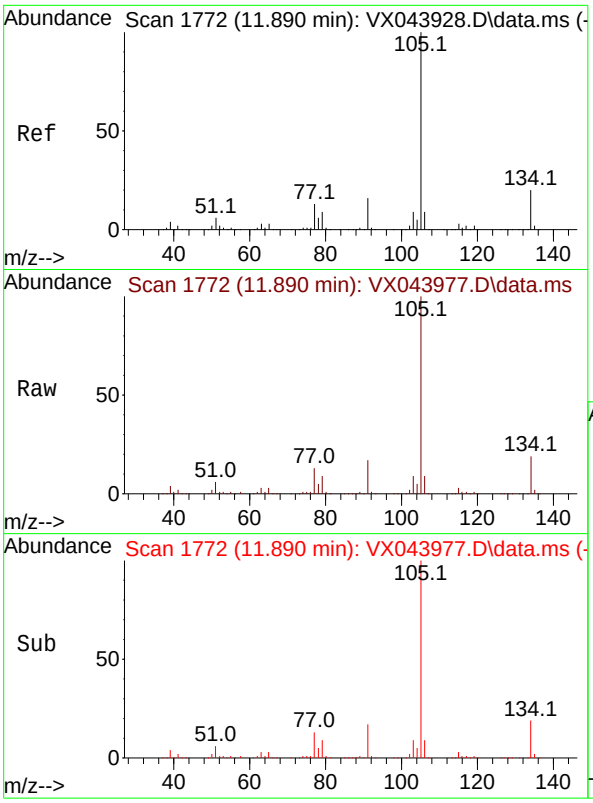


#84
1,2,4-Trimethylbenzene
Concen: 49.987 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298636

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7



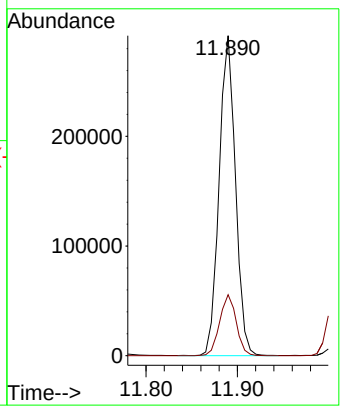


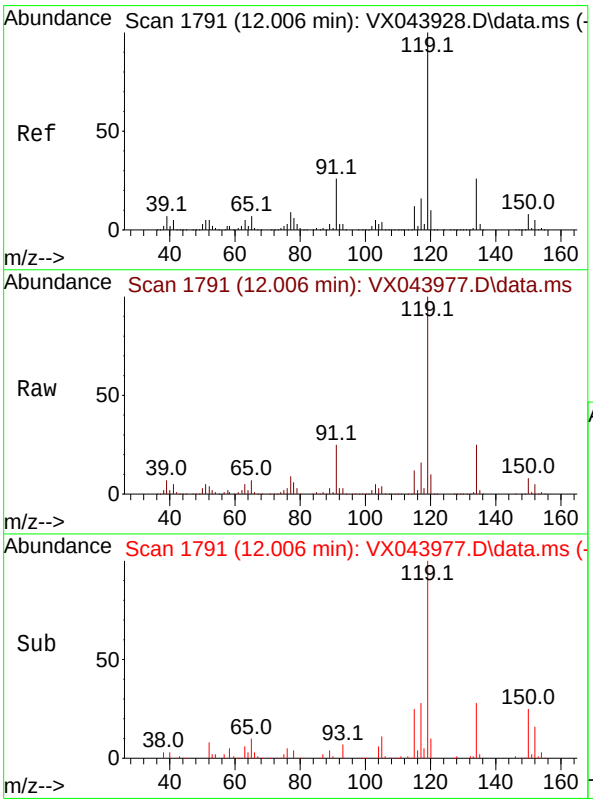
#85
sec-Butylbenzene
Concen: 49.775 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 362725

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

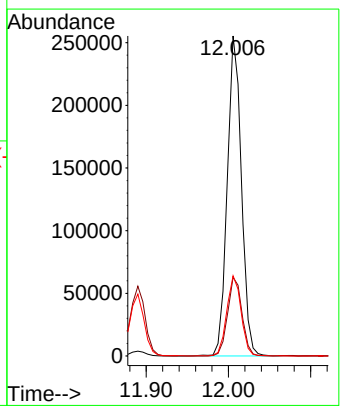


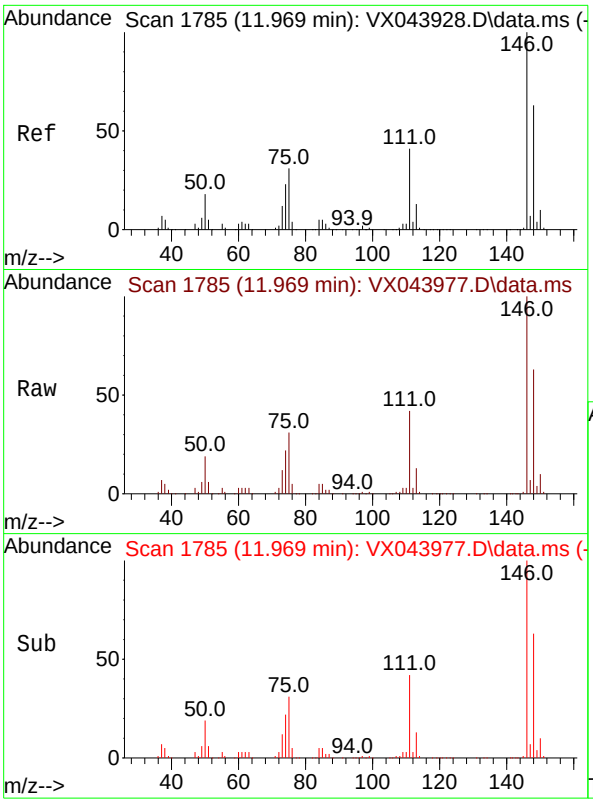


#86
p-Isopropyltoluene
Concen: 51.764 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:119 Resp: 306406

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	38.9
91	25.4	13.0	38.9



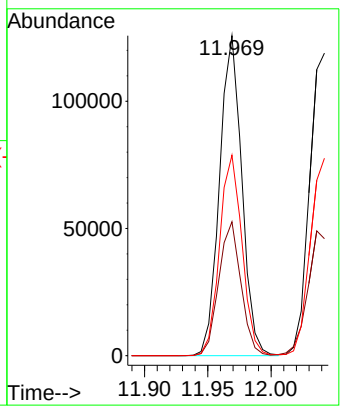


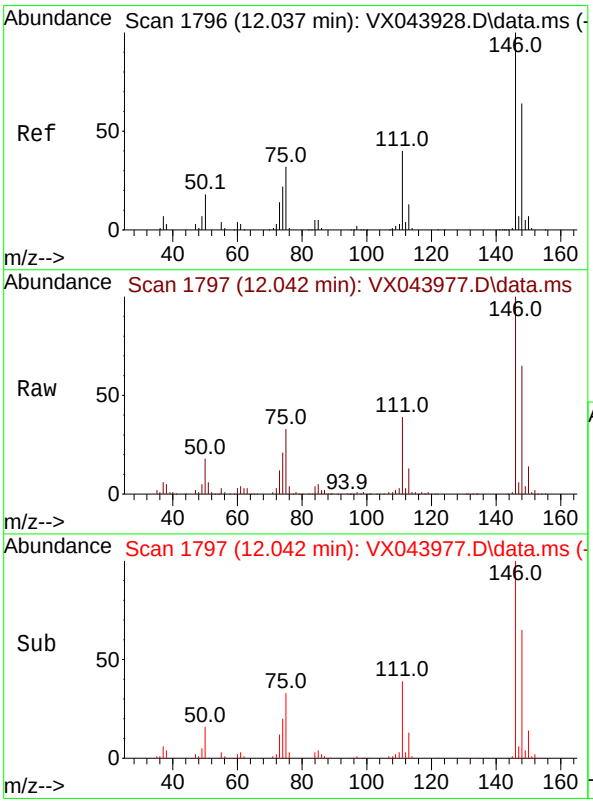
#87
1,3-Dichlorobenzene
Concen: 48.622 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 154082

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.3	31.7	95.1

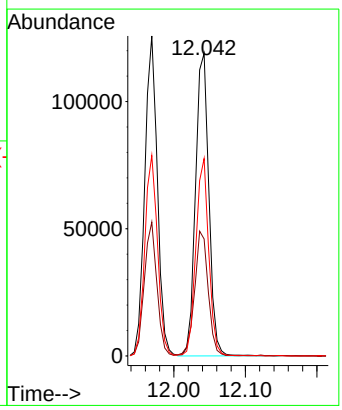


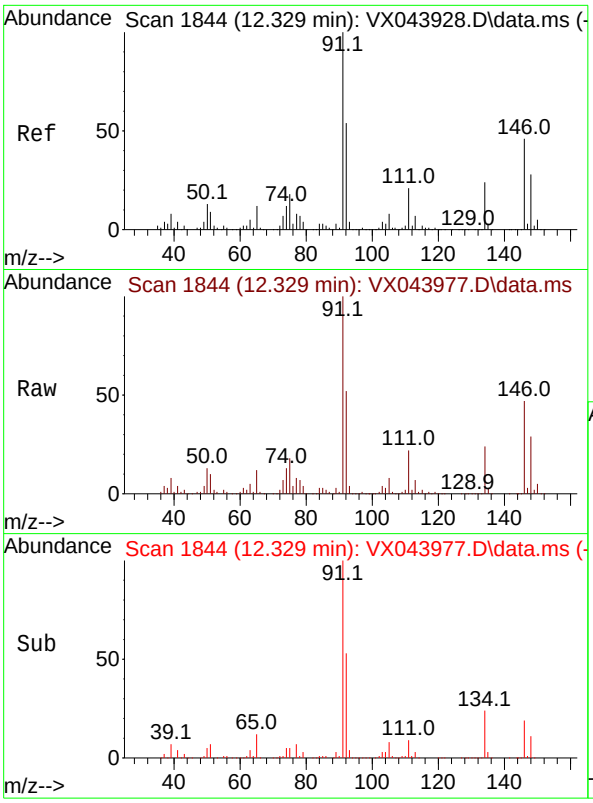


#88
1,4-Dichlorobenzene
Concen: 47.493 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:146 Resp: 153444

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.3
148	62.8	30.9	92.8



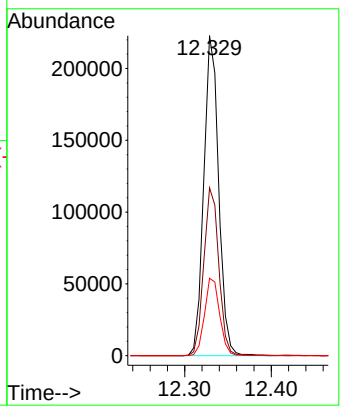


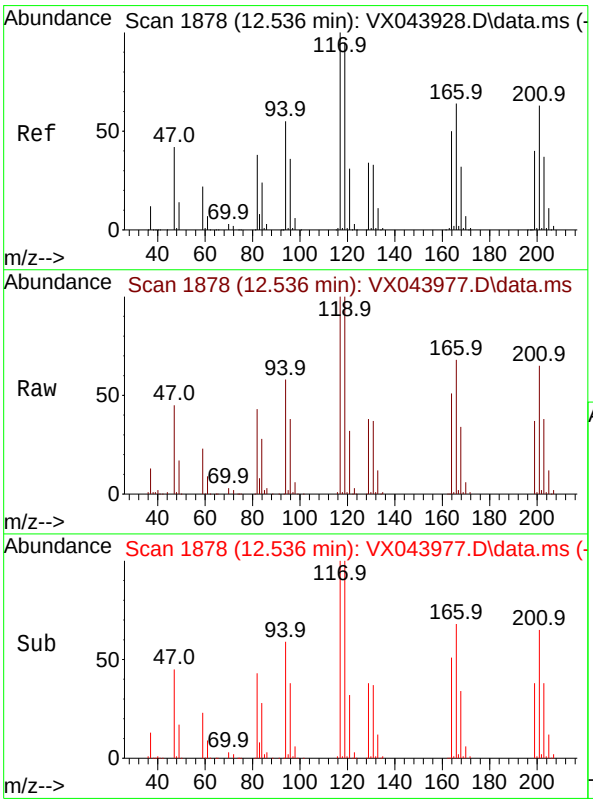
#89
n-Butylbenzene
Concen: 50.989 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 266108

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	24.6	12.4	37.2

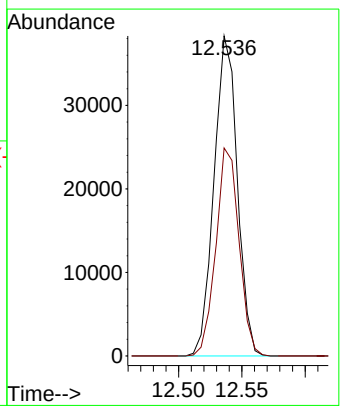


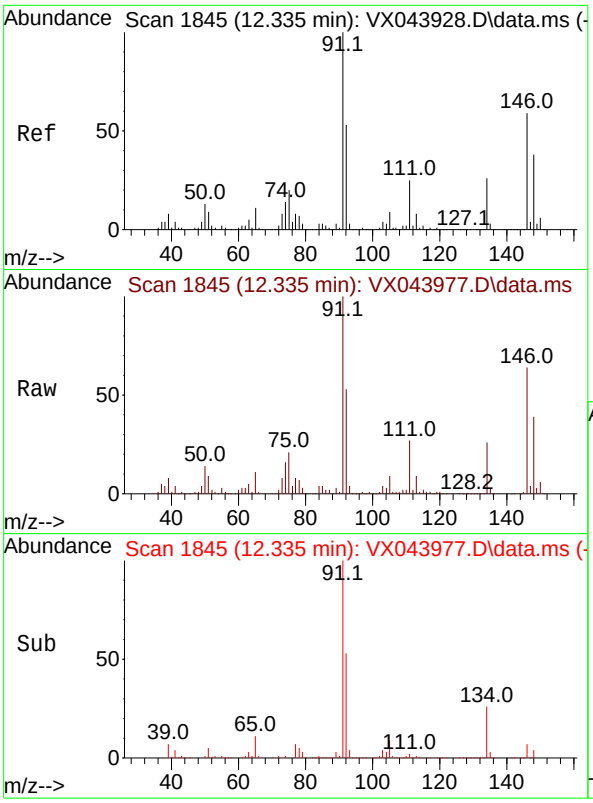


#90
Hexachloroethane
Concen: 48.643 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:117 Resp: 48961

Ion	Ratio	Lower	Upper
117	100		
201	64.7	32.4	97.0



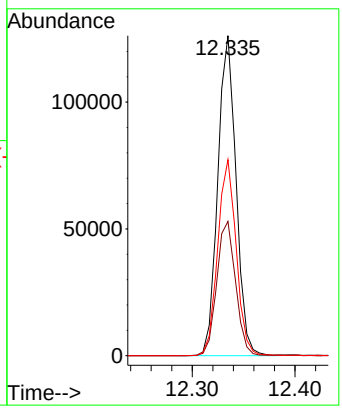


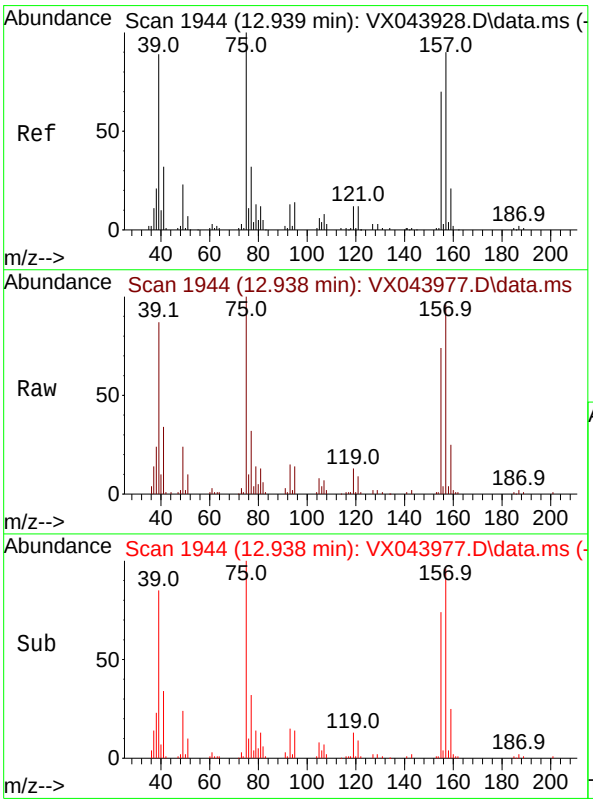
#91
1,2-Dichlorobenzene
Concen: 48.588 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 155387

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	62.2	31.9	95.5

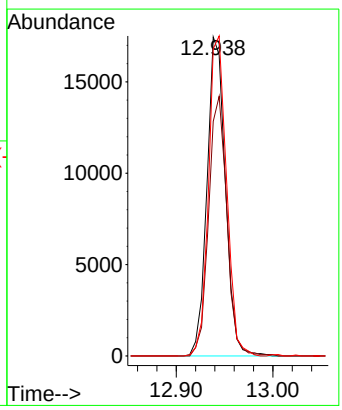


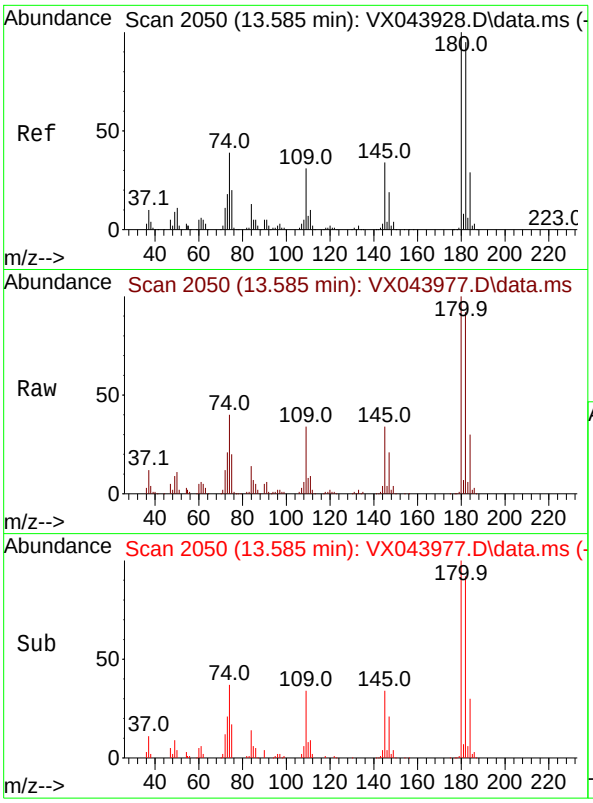


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.127 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 23083

Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.1	120.2
157	98.4	49.6	149.0



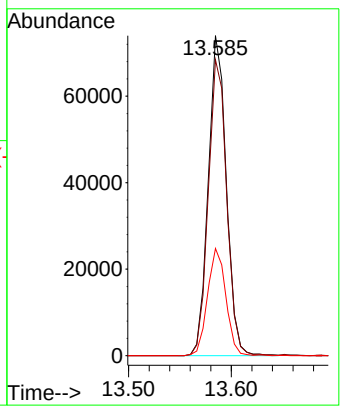


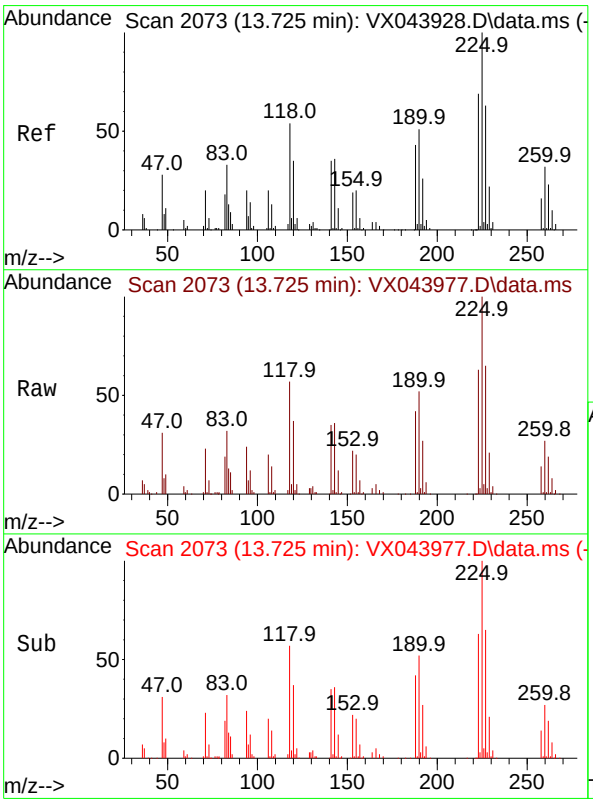
#93
1,2,4-Trichlorobenzene
Concen: 47.992 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 90486

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	34.2	16.8	50.4

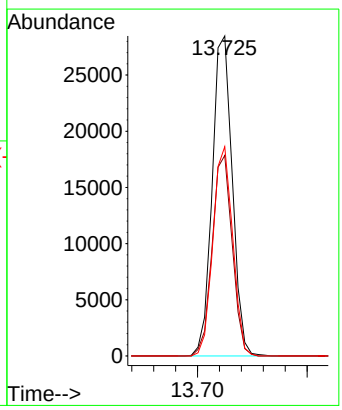


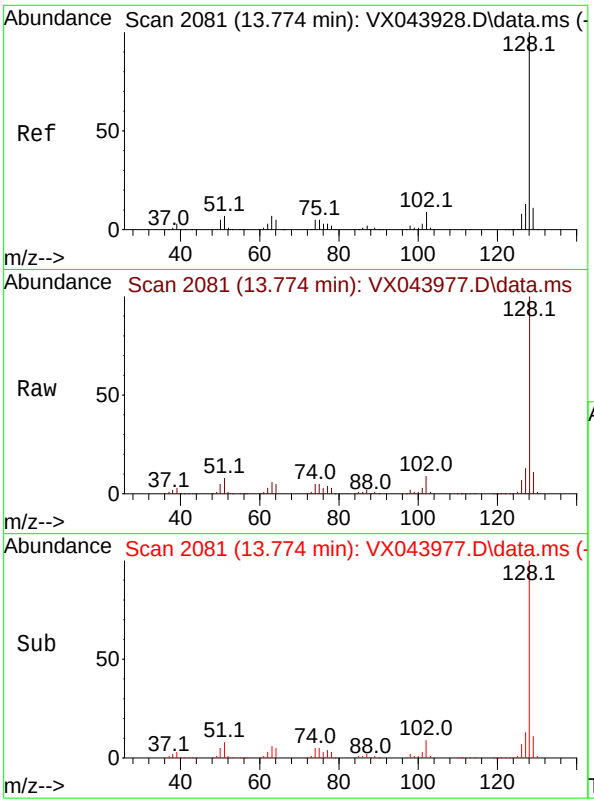


#94
Hexachlorobutadiene
Concen: 48.575 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:225 Resp: 36196

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.9	98.6
227	64.2	31.6	94.8



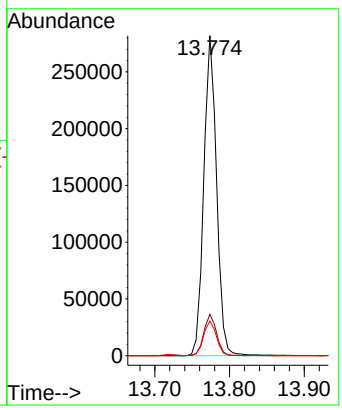


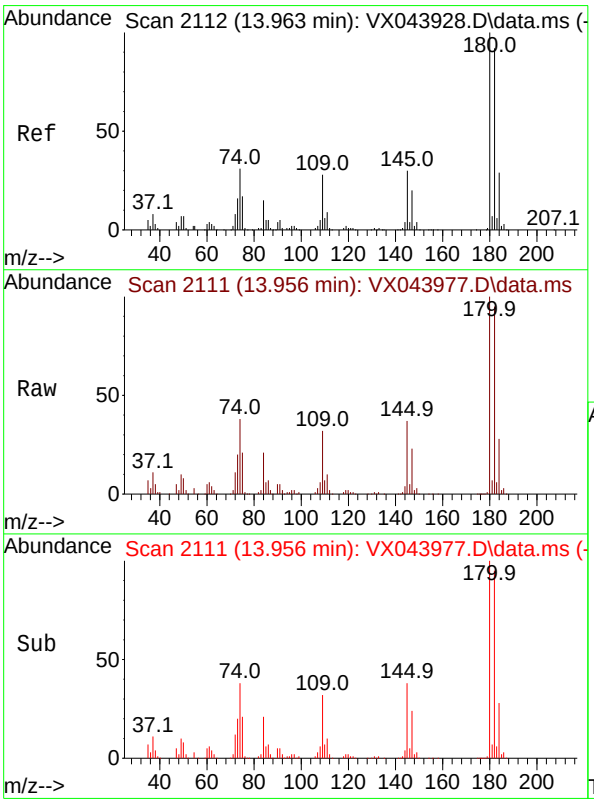
#95
Naphthalene
Concen: 49.325 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.001 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 334769

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

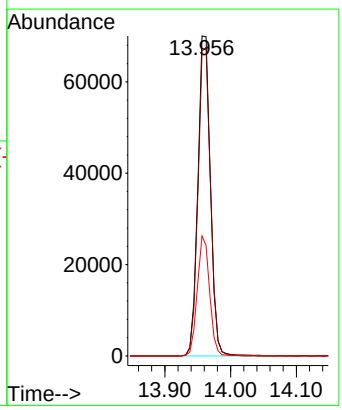




#96
1,2,3-Trichlorobenzene
Concen: 48.584 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.007 min
Lab File: VX043977.D
Acq: 25 Nov 2024 11:27

Tgt Ion:180 Resp: 92716

Ion	Ratio	Lower	Upper
180	100		
182	96.5	45.6	136.8
145	36.7	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Quant Time: Nov 27 07:37:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111972	50.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.160%			
35) Dibromofluoromethane	5.379	113	82126	49.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.647	98	279748	48.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	92231	47.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27858	17.036	ug/l	96
3) Chloromethane	1.294	50	31484	18.297	ug/l	98
4) Vinyl Chloride	1.374	62	32067	17.520	ug/l	97
5) Bromomethane	1.593	94	23162	20.571	ug/l	96
6) Chloroethane	1.666	64	21661	19.423	ug/l	99
7) Trichlorofluoromethane	1.868	101	62260	19.027	ug/l	99
8) Diethyl Ether	2.136	74	21810	18.287	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	27391	17.549	ug/l	99
10) Methyl Iodide	2.447	142	35527	18.224	ug/l	98
11) Tert butyl alcohol	2.995	59	30305	85.282	ug/l	98
12) 1,1-Dichloroethene	2.306	96	25636	17.236	ug/l	92
13) Acrolein	2.233	56	29794	79.545	ug/l	99
14) Allyl chloride	2.654	41	43363	17.842	ug/l	97
15) Acrylonitrile	3.062	53	78411	90.547	ug/l	99
16) Acetone	2.380	43	89315	87.837	ug/l	99
17) Carbon Disulfide	2.502	76	46168	15.048	ug/l	96
18) Methyl Acetate	2.703	43	43353	18.308	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	102397	18.961	ug/l	99
20) Methylene Chloride	2.782	84	30699	17.791	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	27476	17.893	ug/l	95
22) Diisopropyl ether	3.757	45	101204	19.474	ug/l #	87
23) Vinyl Acetate	3.721	43	413005	92.903	ug/l	99
24) 1,1-Dichloroethane	3.605	63	57833	19.291	ug/l	99
25) 2-Butanone	4.562	43	119828	91.330	ug/l	97
26) 2,2-Dichloropropane	4.471	77	50034	18.480	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	35442	18.672	ug/l	99
28) Bromochloromethane	4.891	49	28155	21.335	ug/l	97
29) Tetrahydrofuran	5.007	42	71632	89.055	ug/l	99
30) Chloroform	5.086	83	62792	19.474	ug/l	95
31) Cyclohexane	5.458	56	44185	17.907	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	53725	19.321	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39005	18.830	ug/l	97
37) Ethyl Acetate	4.715	43	43604	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	41358	17.769	ug/l	93
39) Methylcyclohexane	7.373	83	45874	17.047	ug/l	96
40) Benzene	6.031	78	121280	18.797	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Quant Time: Nov 27 07:37:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	24395	18.537	ug/l		97
42) 1,2-Dichloroethane	6.080	62	49414	19.069	ug/l		100
43) Isopropyl Acetate	6.342	43	74800	18.280	ug/l		98
44) Trichloroethene	7.123	130	29451	16.124	ug/l		94
45) 1,2-Dichloropropane	7.421	63	31342	19.833	ug/l		99
46) Dibromomethane	7.580	93	23880	19.103	ug/l		98
47) Bromodichloromethane	7.818	83	42158	18.804	ug/l		98
48) Methyl methacrylate	7.696	41	34847	17.747	ug/l		100
49) 1,4-Dioxane	7.671	88	11205	320.363	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	230680	92.377	ug/l		98
52) Toluene	8.714	92	73761	19.100	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	41513	18.157	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	46516	18.559	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	29828	18.711	ug/l		96
56) Ethyl methacrylate	9.116	69	45352	18.265	ug/l		98
57) 1,3-Dichloropropane	9.305	76	52347	19.493	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	104808	76.406	ug/l		100
59) 2-Hexanone	9.433	43	170135	90.646	ug/l		99
60) Dibromochloromethane	9.519	129	28665	17.922	ug/l		98
61) 1,2-Dibromoethane	9.610	107	29826	18.503	ug/l		99
64) Tetrachloroethene	9.269	164	23911	18.065	ug/l		94
65) Chlorobenzene	10.079	112	81986	18.597	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27274	19.076	ug/l		99
67) Ethyl Benzene	10.189	91	139010	18.608	ug/l		99
68) m/p-Xylenes	10.299	106	103991	37.328	ug/l		99
69) o-Xylene	10.640	106	50858	18.698	ug/l		98
70) Styrene	10.653	104	83849	18.638	ug/l		98
71) Bromoform	10.799	173	15846	15.994	ug/l	#	100
73) Isopropylbenzene	10.963	105	130876	19.035	ug/l		100
74) N-amyl acetate	10.842	43	56876	17.857	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	45016	19.121	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	46534	23.723	ug/l		84
77) Bromobenzene	11.195	156	31131	18.980	ug/l		98
78) n-propylbenzene	11.305	91	145673	18.970	ug/l		98
79) 2-Chlorotoluene	11.360	91	92824	19.116	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	112233	19.841	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11075	15.407	ug/l		91
82) 4-Chlorotoluene	11.451	91	104709	19.100	ug/l		100
83) tert-Butylbenzene	11.713	119	107369	19.150	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	111539	19.806	ug/l		96
85) sec-Butylbenzene	11.890	105	125802	18.313	ug/l		98
86) p-Isopropyltoluene	12.006	119	108552	19.454	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	55631	18.623	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	56264	18.474	ug/l		96
89) n-Butylbenzene	12.329	91	91448	18.588	ug/l		99
90) Hexachloroethane	12.536	117	15872	16.728	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	56883	18.869	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7772	16.475	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	30614	17.225	ug/l		98
94) Hexachlorobutadiene	13.719	225	13180	18.763	ug/l		93
95) Naphthalene	13.774	128	113362	17.718	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	32142	17.867	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Quant Time: Nov 27 07:37:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

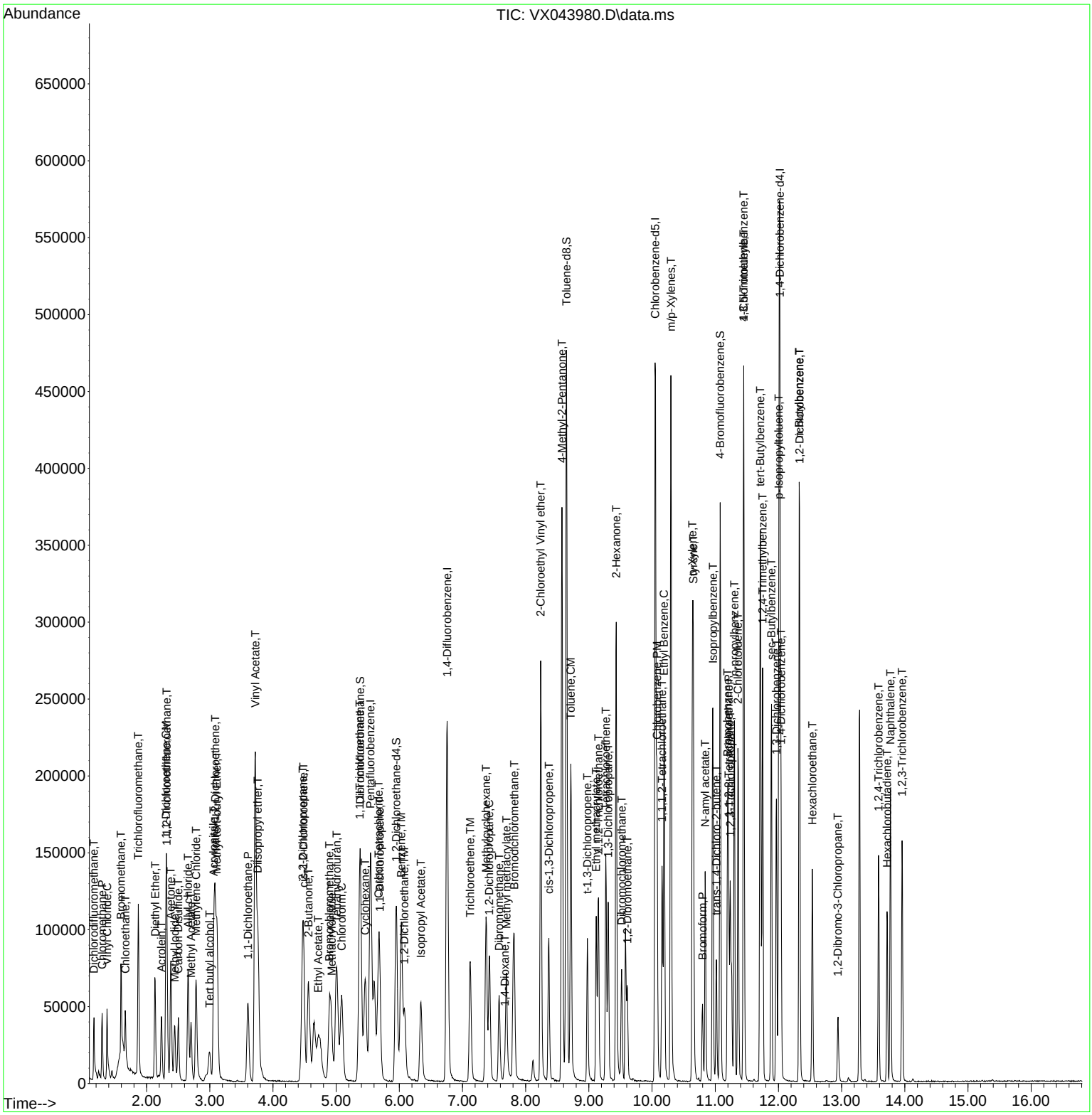
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

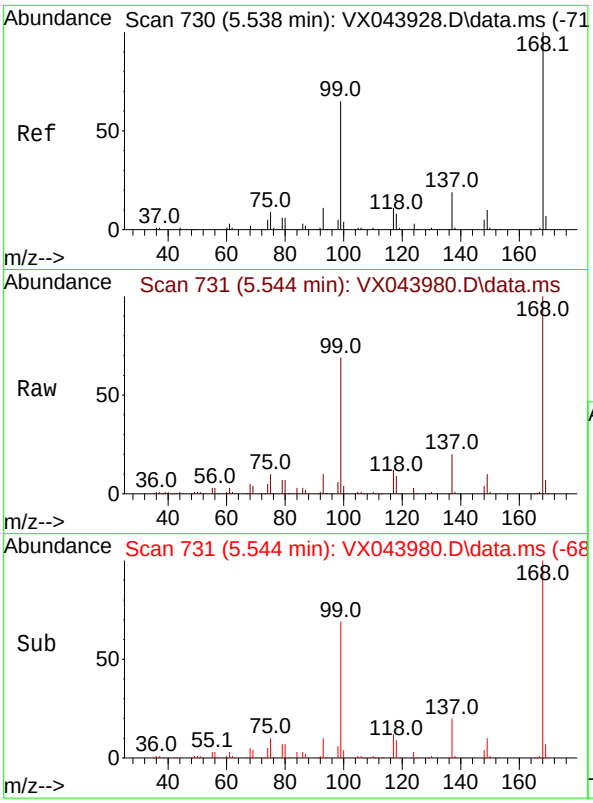
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Quant Time: Nov 27 07:37:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



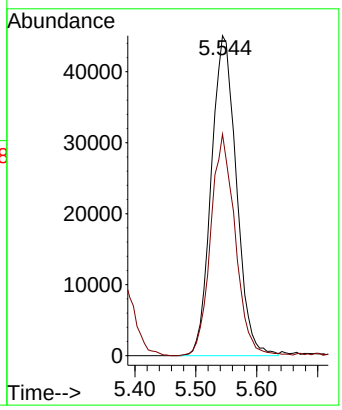


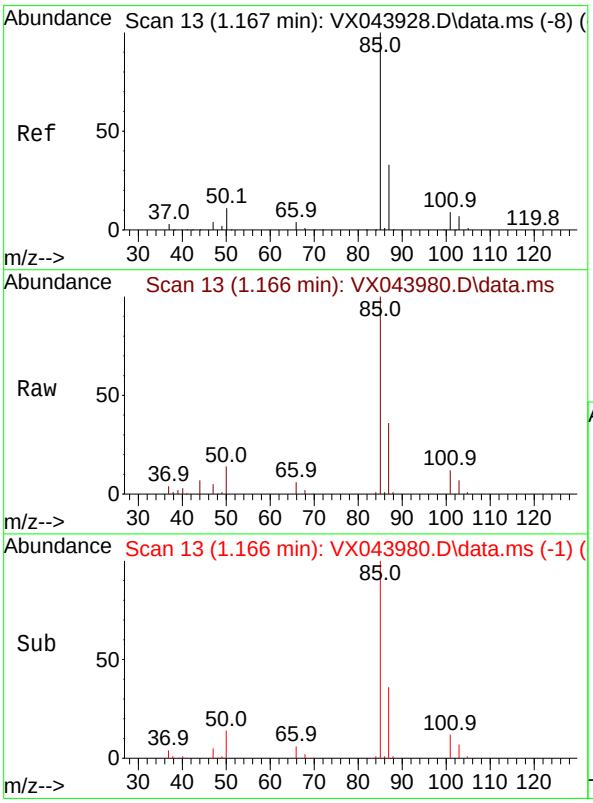
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:168 Resp: 129078

Ion	Ratio	Lower	Upper
168	100		
99	69.2	51.8	77.8

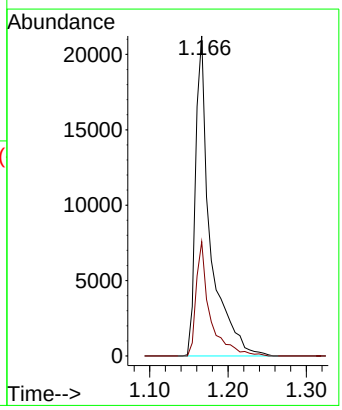


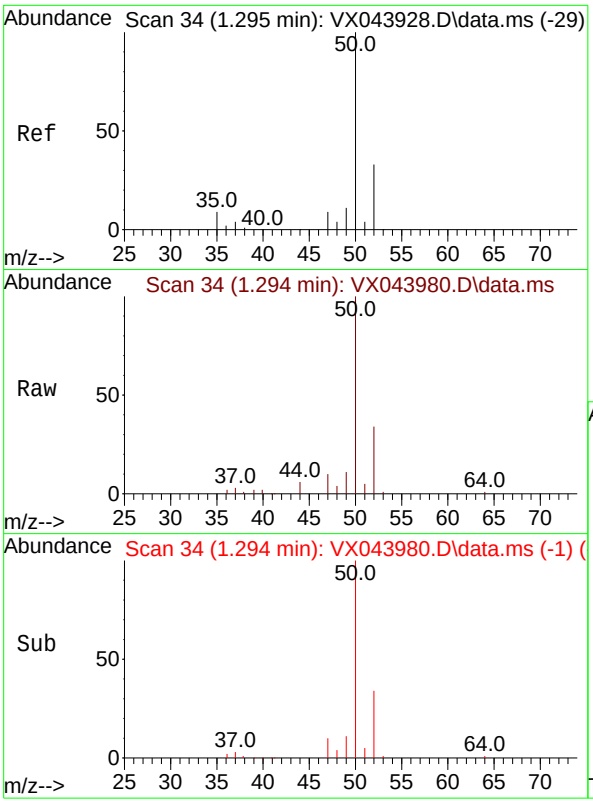


#2
Dichlorodifluoromethane
Concen: 17.036 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 85 Resp: 27858

Ion	Ratio	Lower	Upper
85	100		
87	35.7	16.6	49.8



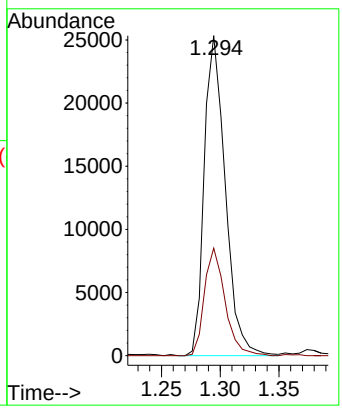


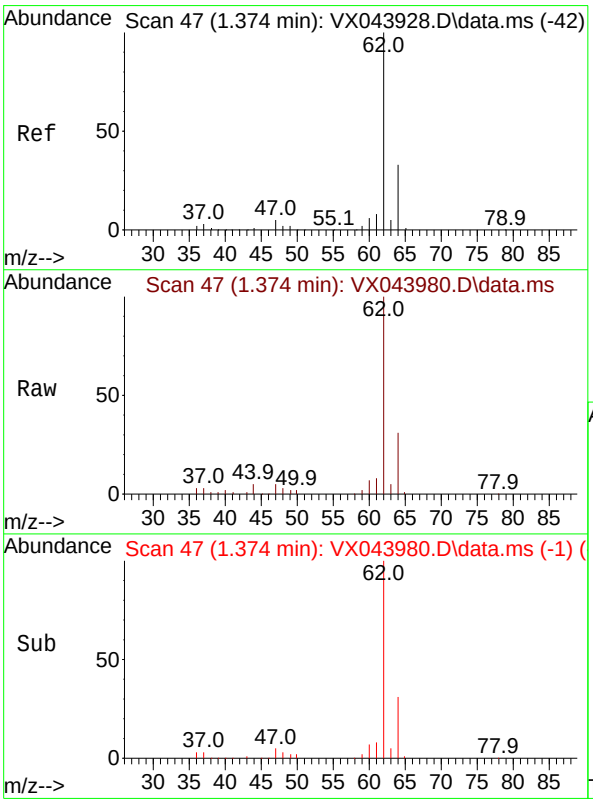
#3
Chloromethane
Concen: 18.297 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 50 Resp: 31484

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.1	39.1

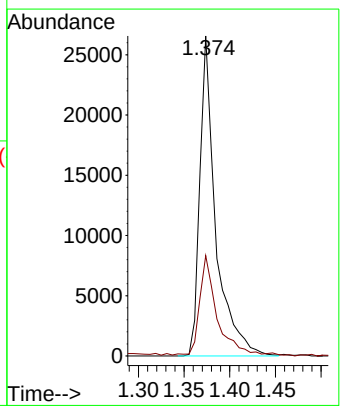


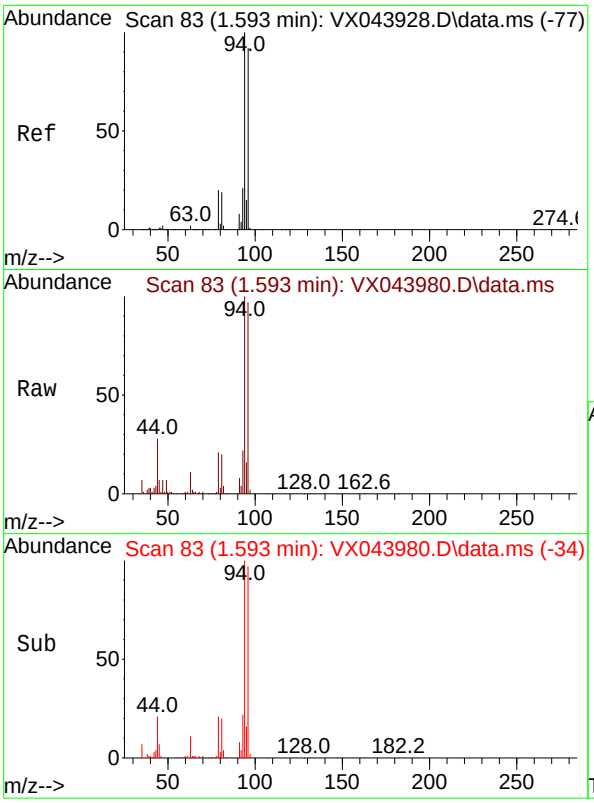


#4
Vinyl Chloride
Concen: 17.520 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 32067

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4



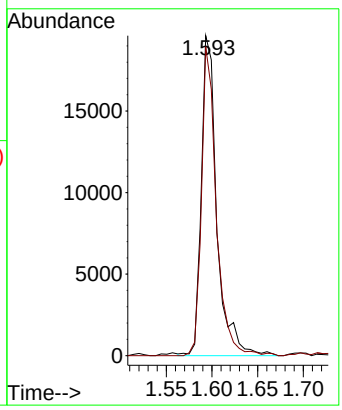


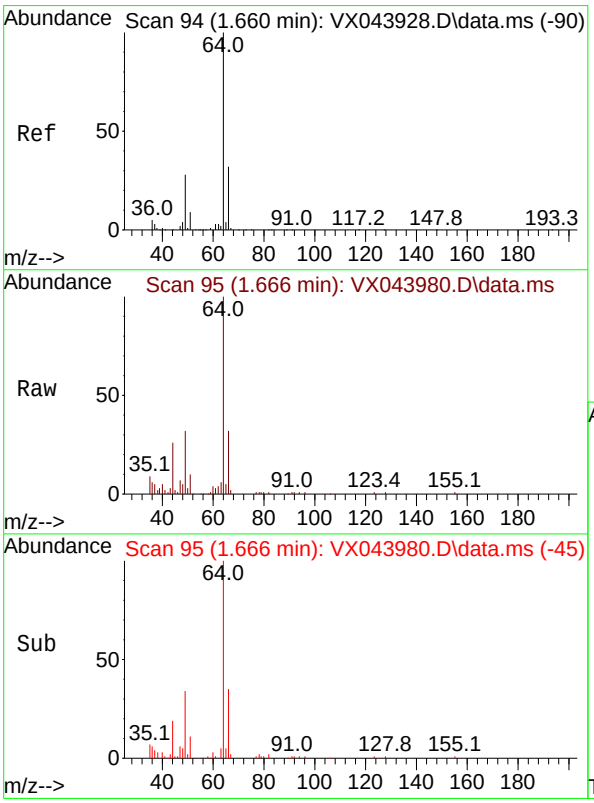
#5
Bromomethane
Concen: 20.571 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 94 Resp: 23162

Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.9	110.9

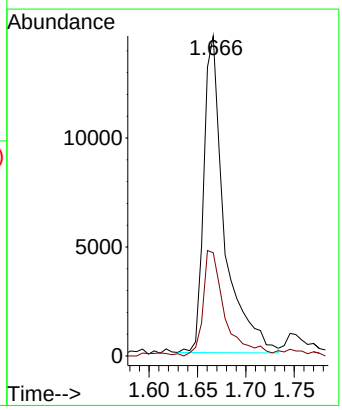


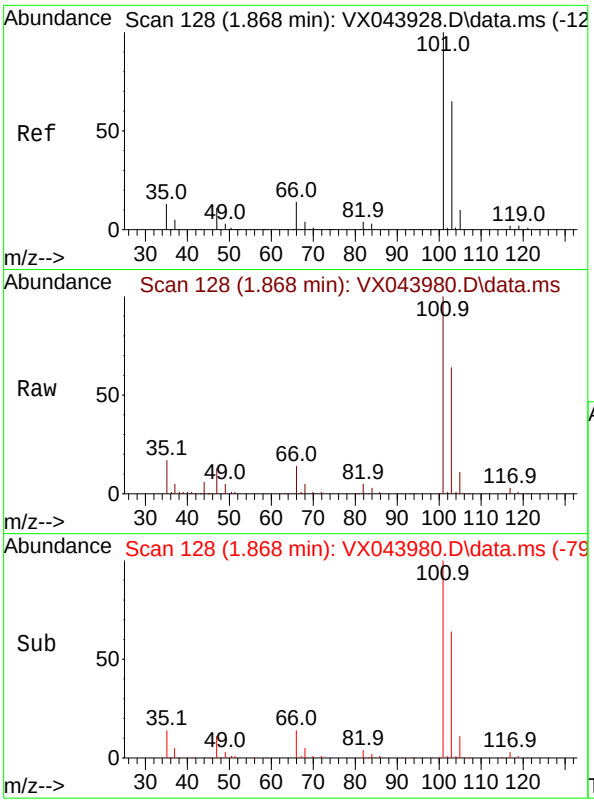


#6
Chloroethane
Concen: 19.423 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 64 Resp: 21661

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.9	38.9



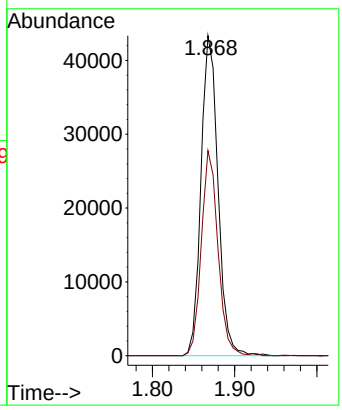


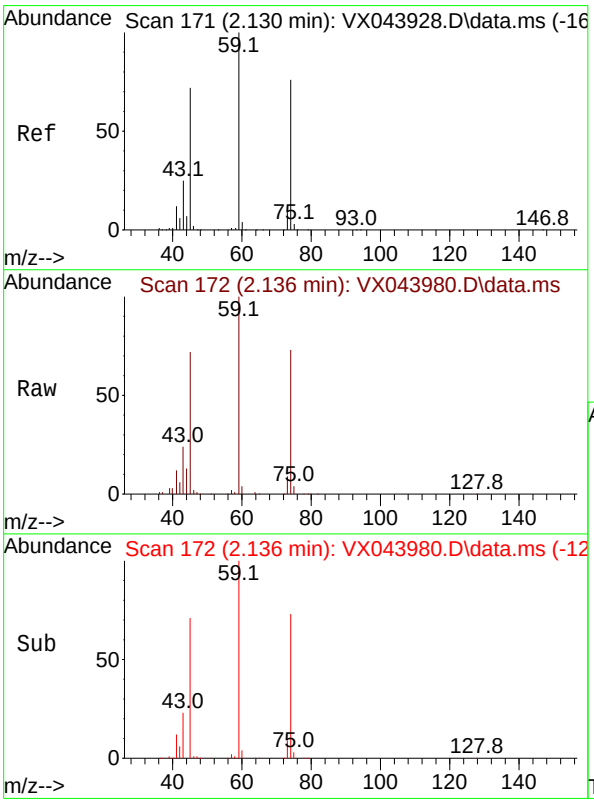
#7
Trichlorofluoromethane
Concen: 19.027 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:101 Resp: 62260

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

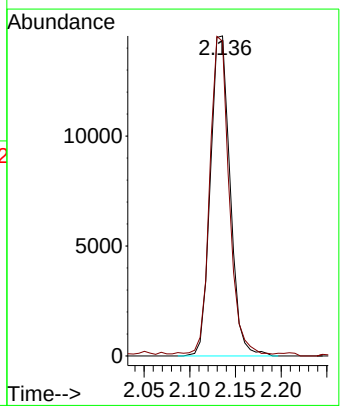


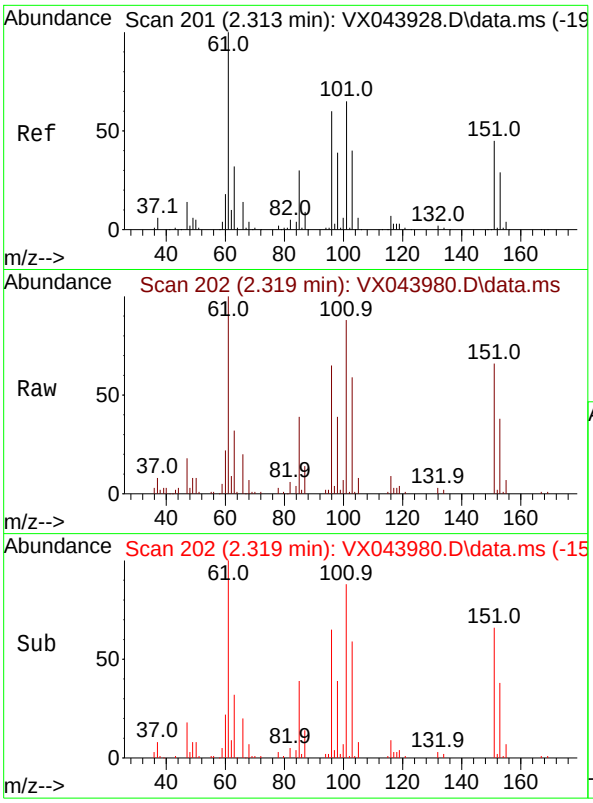


#8
Diethyl Ether
Concen: 18.287 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 74 Resp: 21810

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.9	143.6



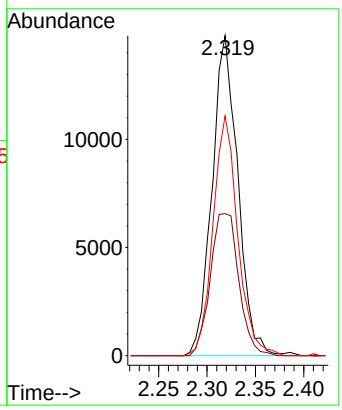


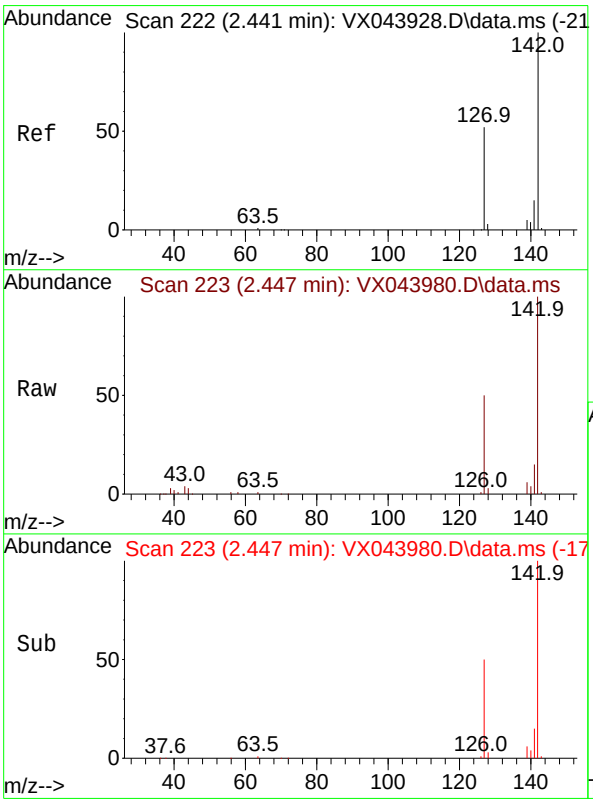
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.549 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:101 Resp: 27391

Ion	Ratio	Lower	Upper
101	100		
85	49.0	37.9	56.9
151	72.1	57.5	86.3

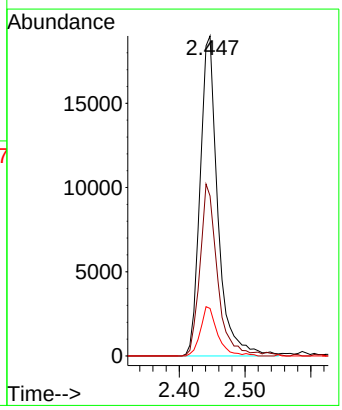


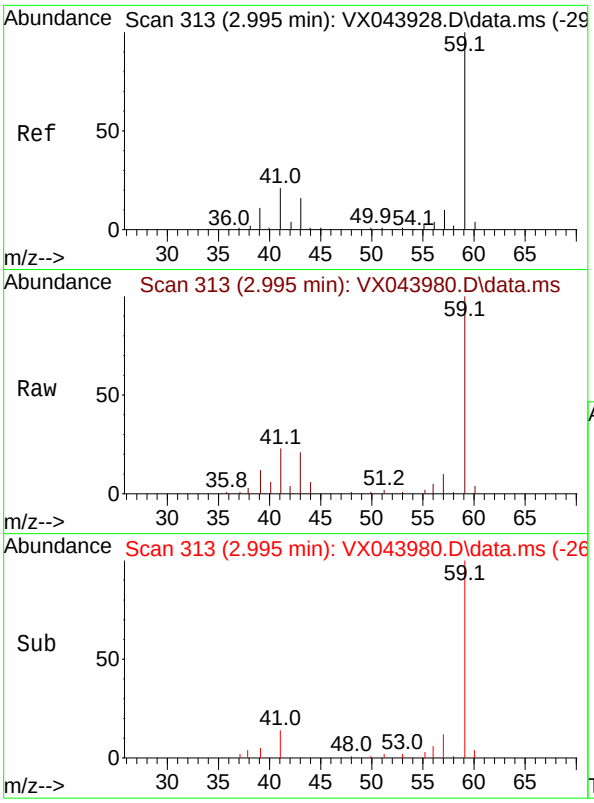


#10
Methyl Iodide
Concen: 18.224 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:142 Resp: 35527

Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.7	61.1
141	14.9	12.0	18.0



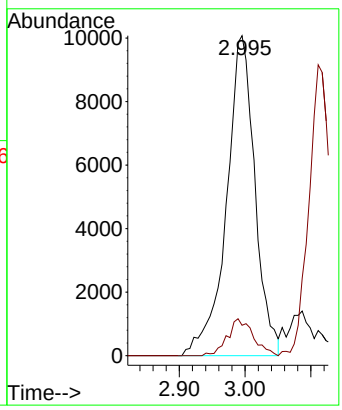


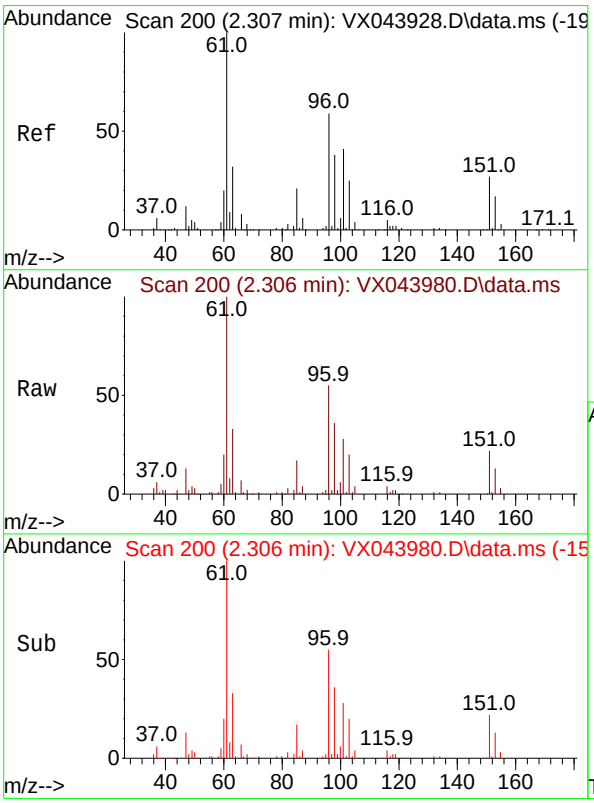
#11
Tert butyl alcohol
Concen: 85.282 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 59 Resp: 30305

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9

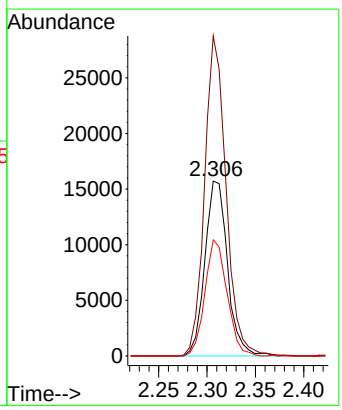


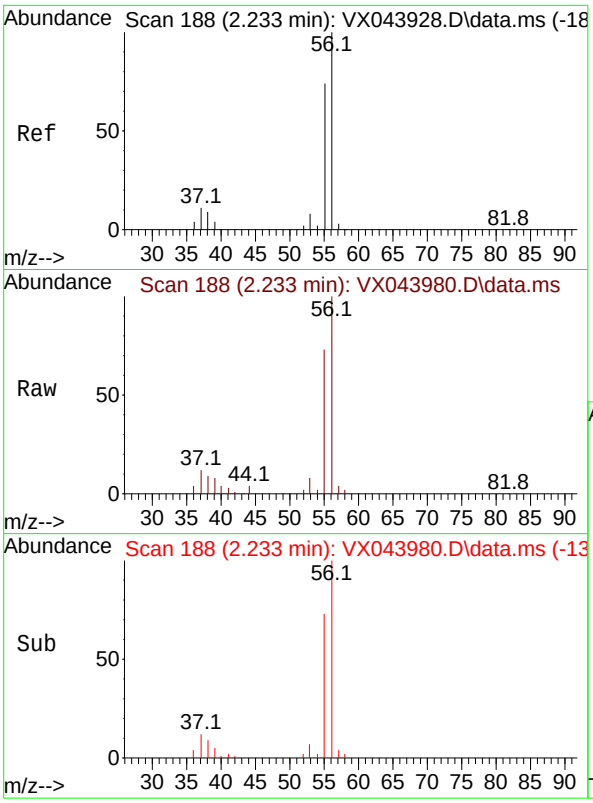


#12
1,1-Dichloroethene
Concen: 17.236 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 96 Resp: 25636

Ion	Ratio	Lower	Upper
96	100		
61	182.9	135.5	203.3
98	66.4	50.8	76.2



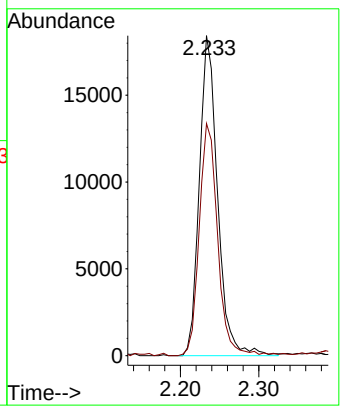


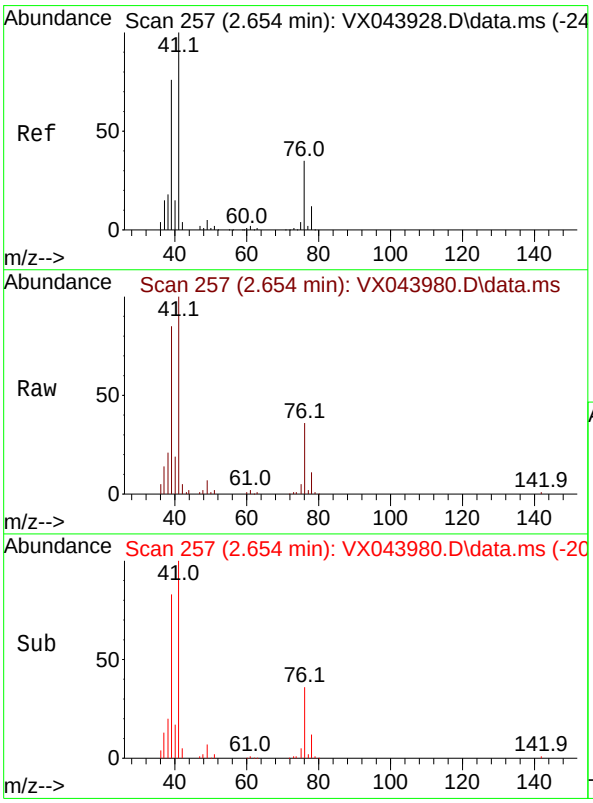
#13
Acrolein
Concen: 79.545 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 56 Resp: 29794

Ion	Ratio	Lower	Upper
56	100		
55	73.7	58.2	87.2

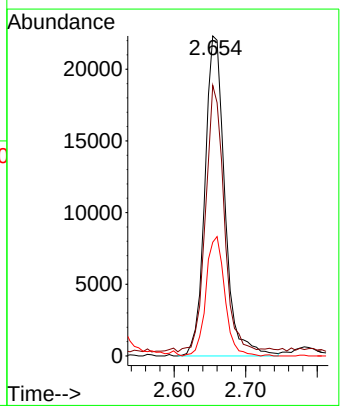


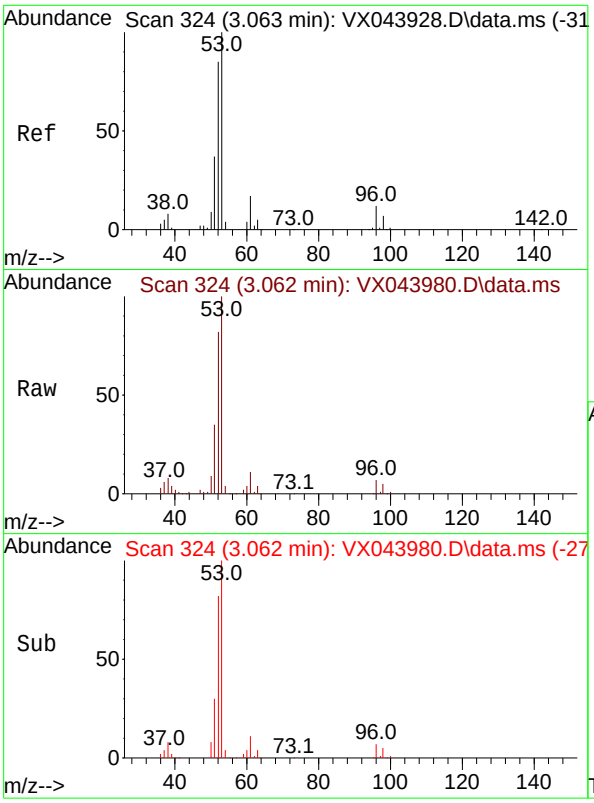


#14
Allyl chloride
Concen: 17.842 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 43363

Ion	Ratio	Lower	Upper
41	100		
39	77.0	59.5	89.3
76	35.1	27.4	41.2



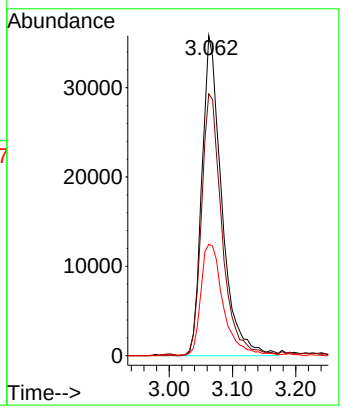


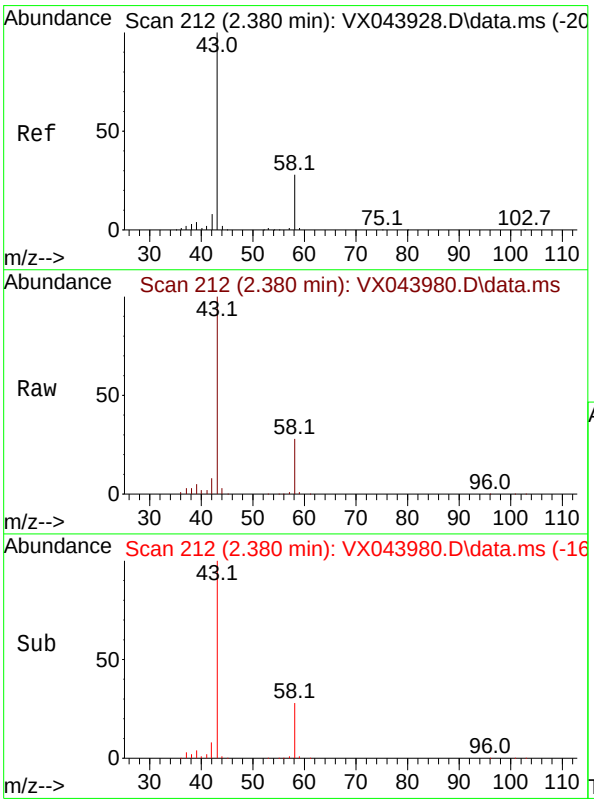
#15
Acrylonitrile
Concen: 90.547 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 53 Resp: 78411

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.5	99.7
51	38.5	30.2	45.4

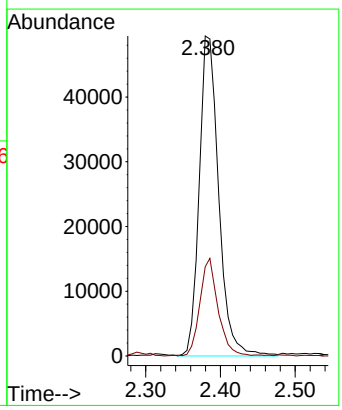


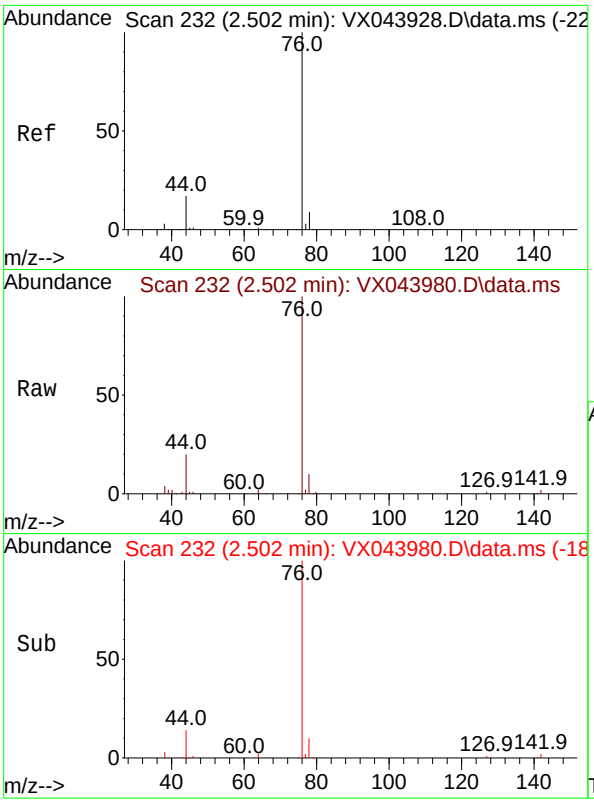


#16
Acetone
Concen: 87.837 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 89315

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.7	34.1



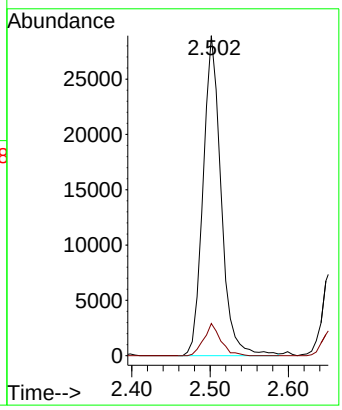


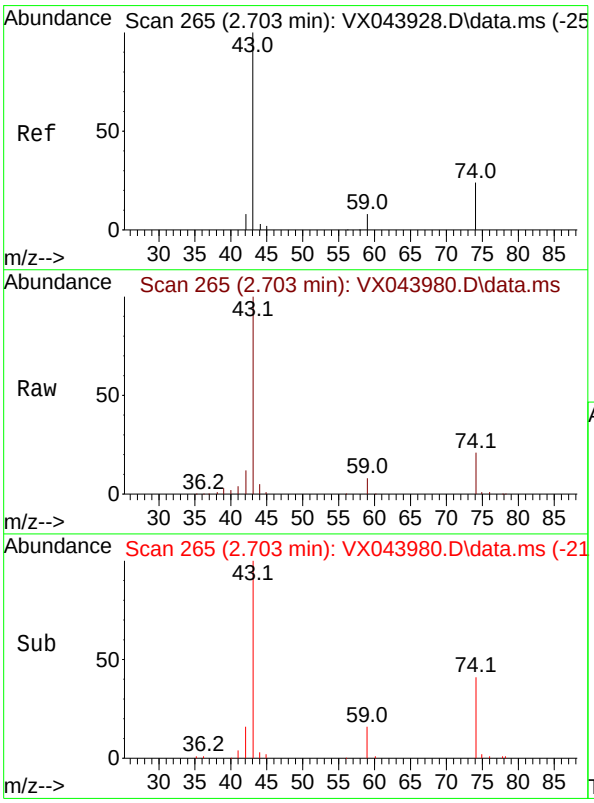
#17
Carbon Disulfide
Concen: 15.048 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 76 Resp: 46168

Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.6

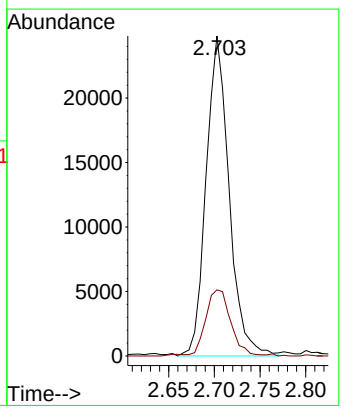


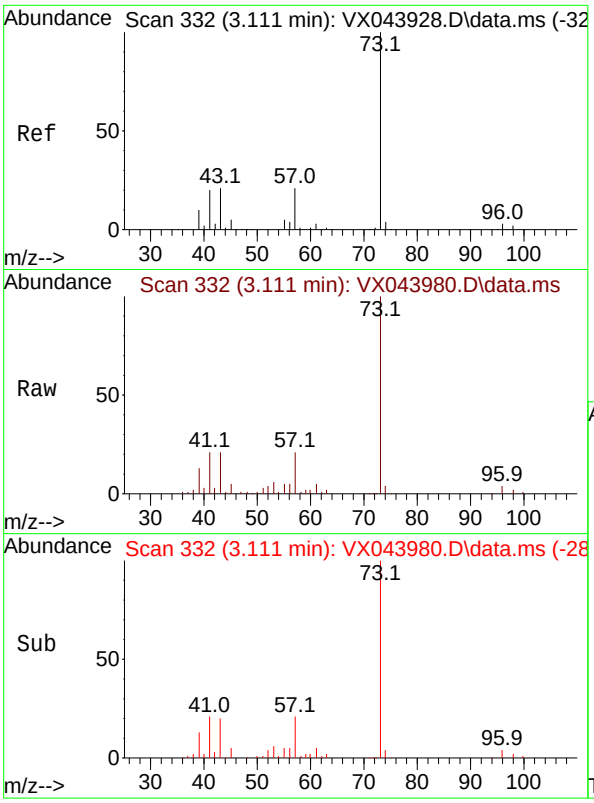


#18
Methyl Acetate
Concen: 18.308 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 43353

Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3



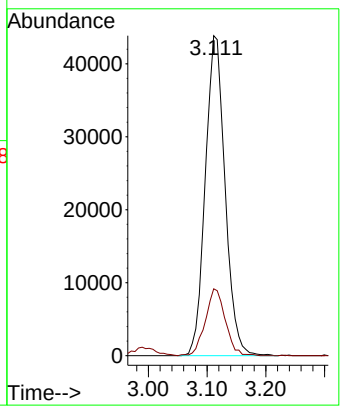


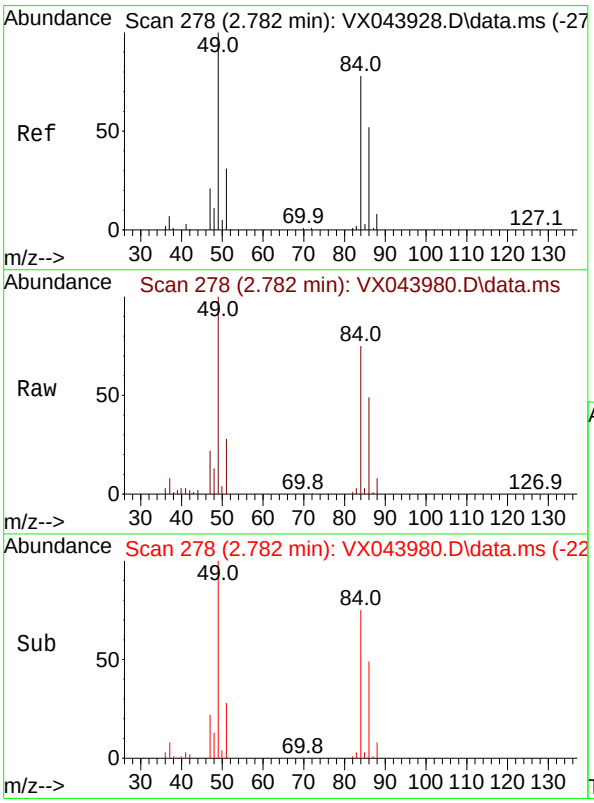
#19
Methyl tert-butyl Ether
Concen: 18.961 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 73 Resp: 102397

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.0	25.6

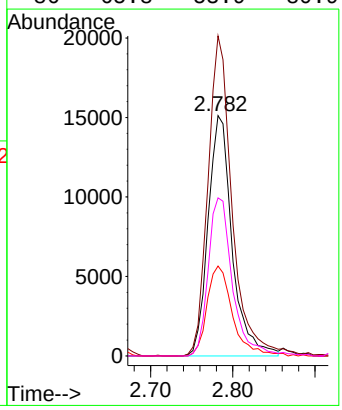


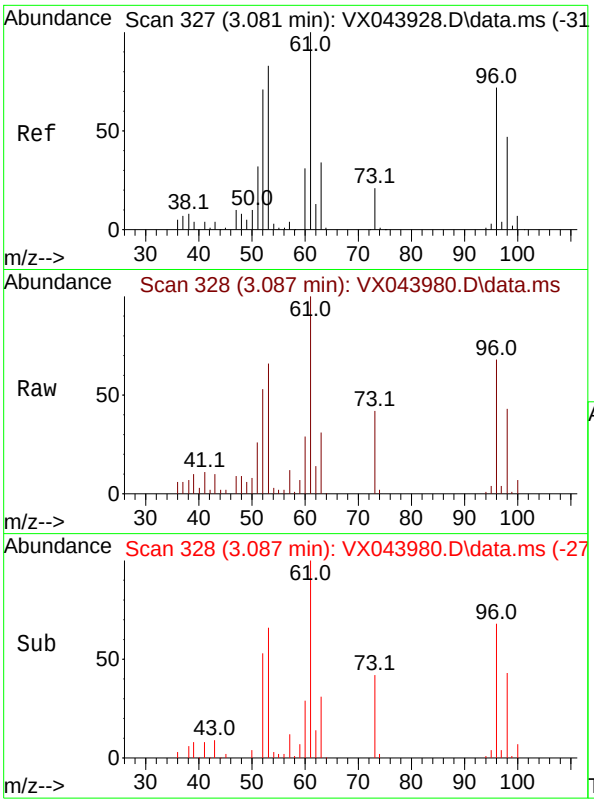


#20
Methylene Chloride
Concen: 17.791 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 84 Resp: 30699

Ion	Ratio	Lower	Upper
84	100		
49	133.2	102.7	154.1
51	37.4	31.7	47.5
86	65.8	53.9	80.9



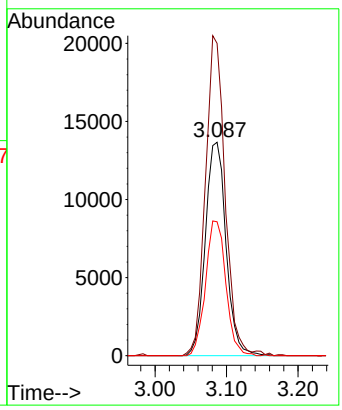


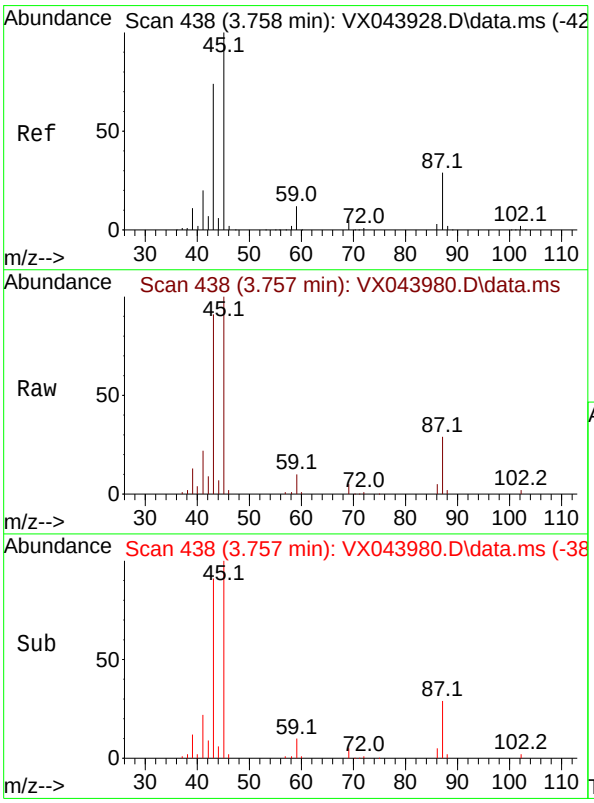
#21
trans-1,2-Dichloroethene
Concen: 17.893 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 96 Resp: 27476

Ion	Ratio	Lower	Upper
96	100		
61	146.3	111.8	167.6
98	62.8	52.7	79.1

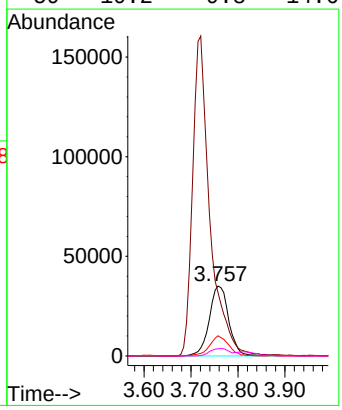


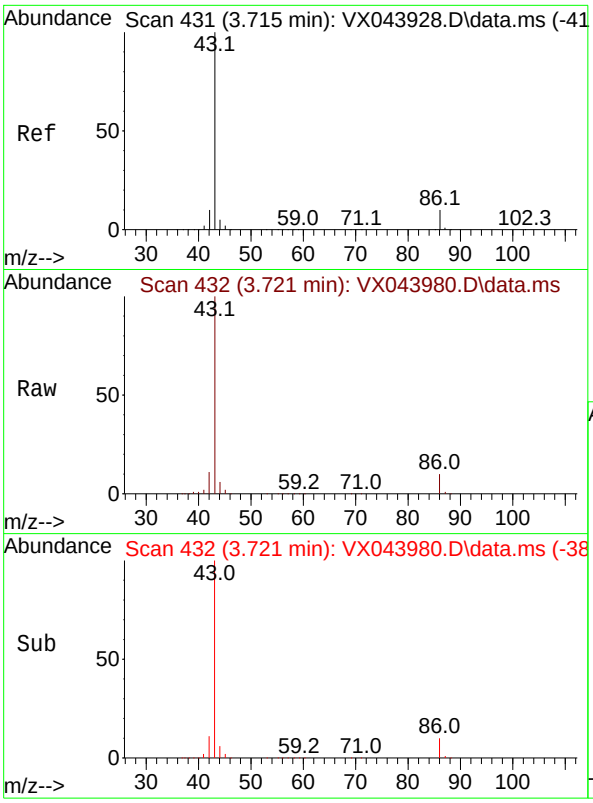


#22
Diisopropyl ether
Concen: 19.474 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 45 Resp: 101204

Ion	Ratio	Lower	Upper
45	100		
43	90.3	59.6	89.4#
87	28.8	22.9	34.3
59	10.2	9.8	14.6



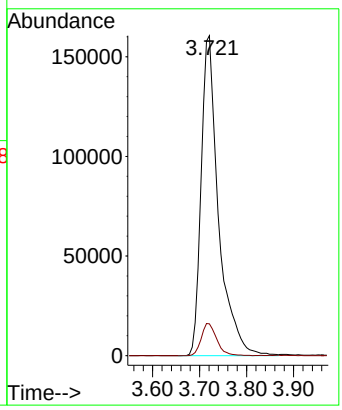


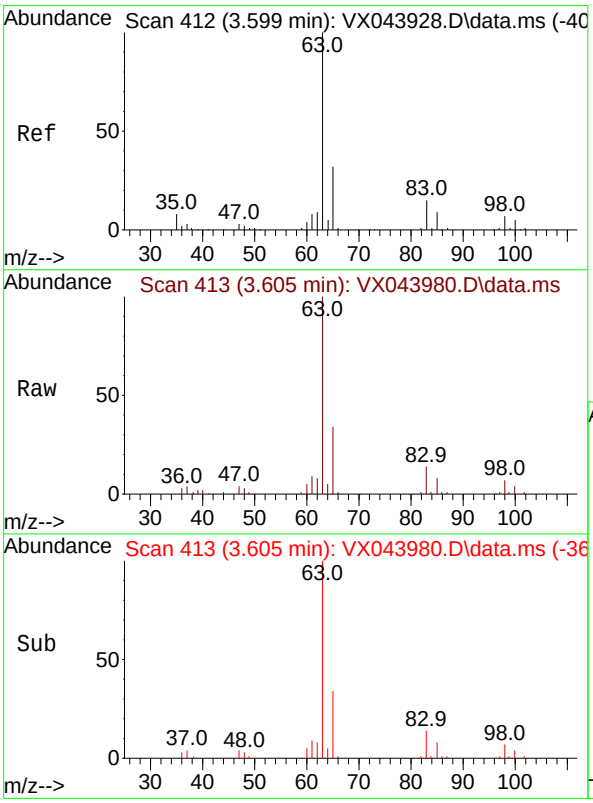
#23
Vinyl Acetate
Concen: 92.903 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 43 Resp: 413005

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

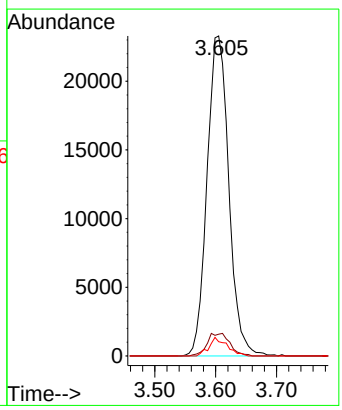


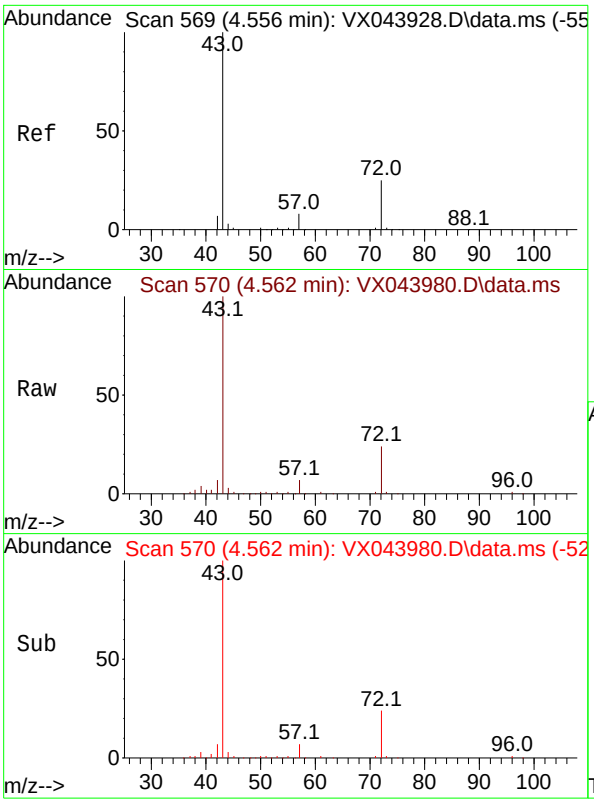


#24
1,1-Dichloroethane
Concen: 19.291 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 57833

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.5	2.4	7.1



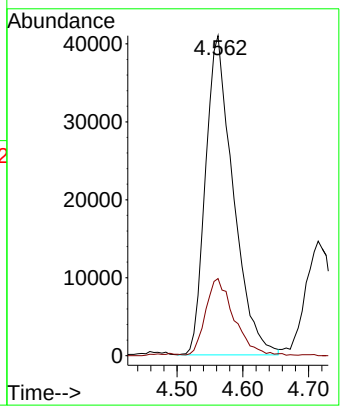


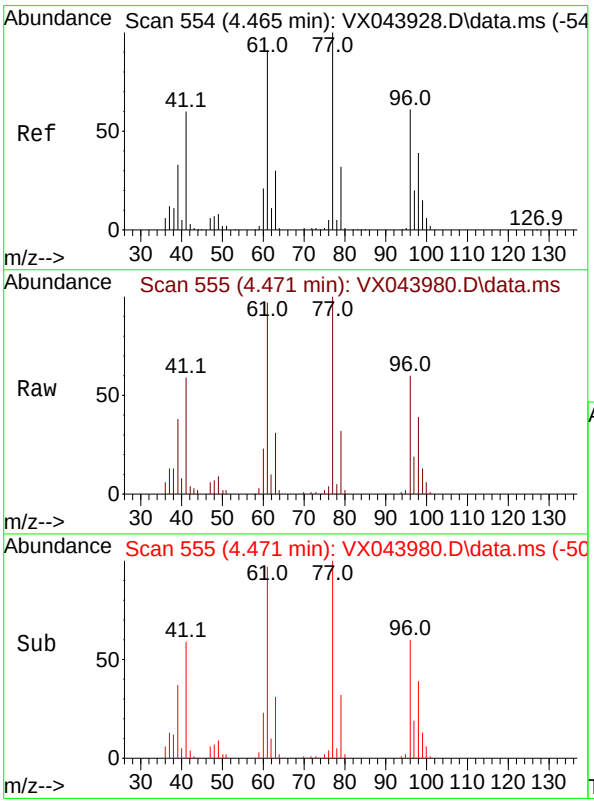
#25
2-Butanone
Concen: 91.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 43 Resp: 119828

Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.2	30.2

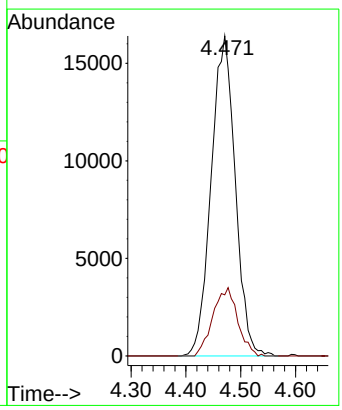


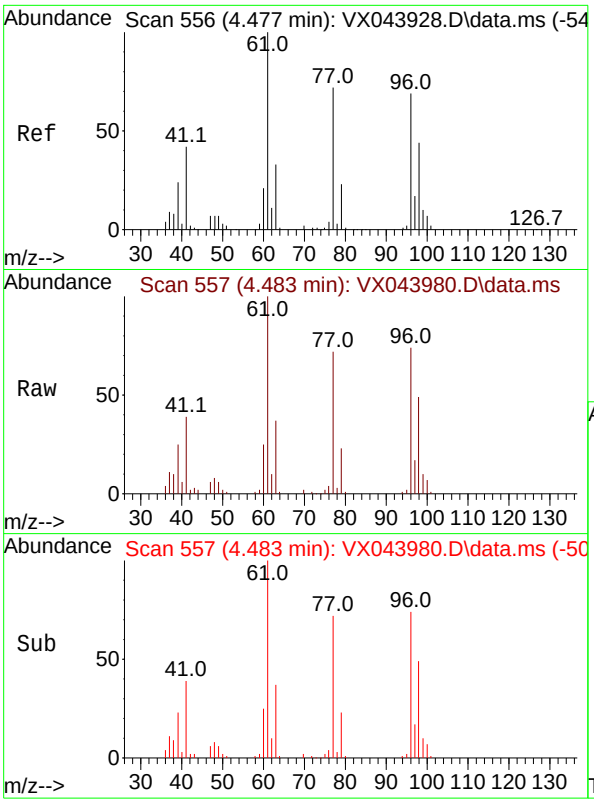


#26
2,2-Dichloropropane
Concen: 18.480 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 77 Resp: 50034

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3



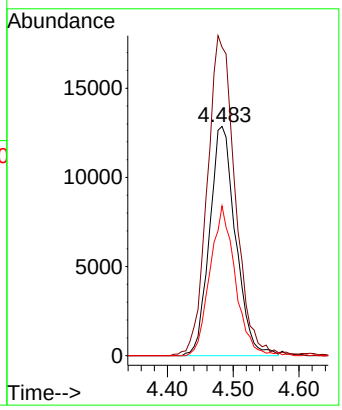


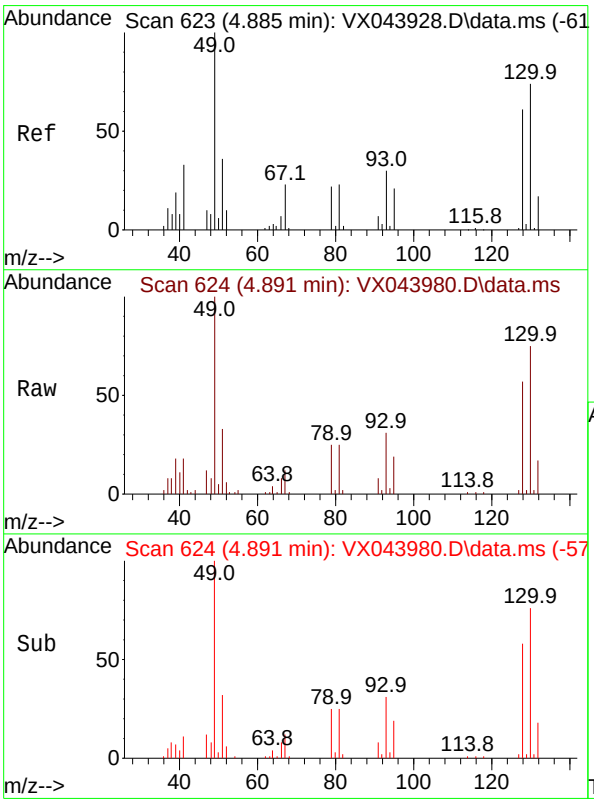
#27
cis-1,2-Dichloroethene
Concen: 18.672 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 96 Resp: 35442

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.4
98	63.4	0.0	127.8

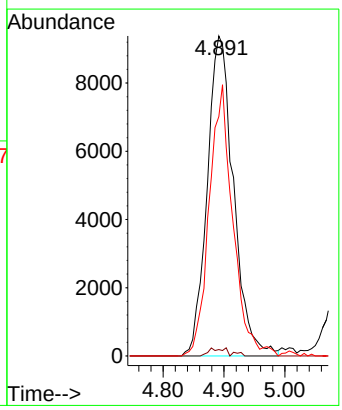


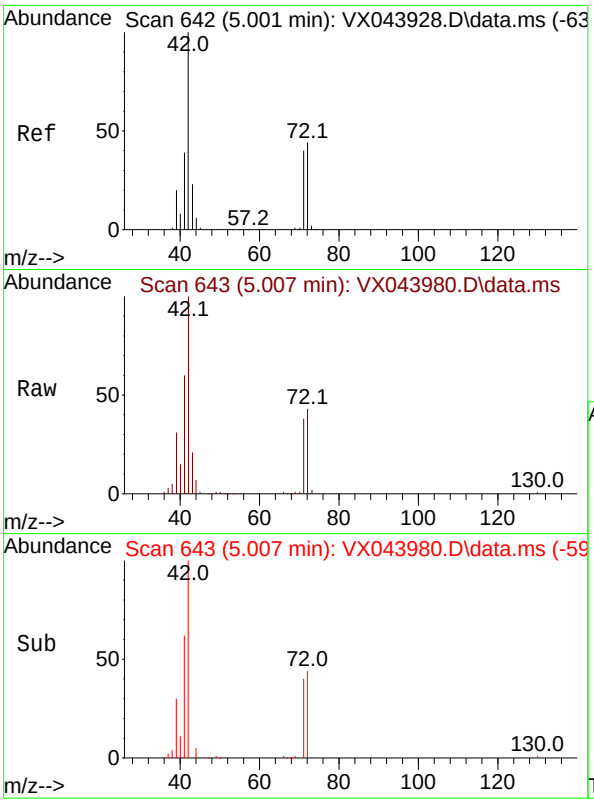


#28
Bromochloromethane
Concen: 21.335 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 49 Resp: 28155

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	76.0	59.0	88.6



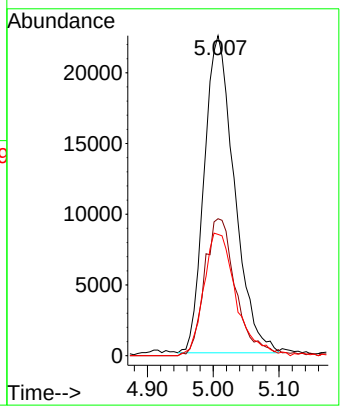


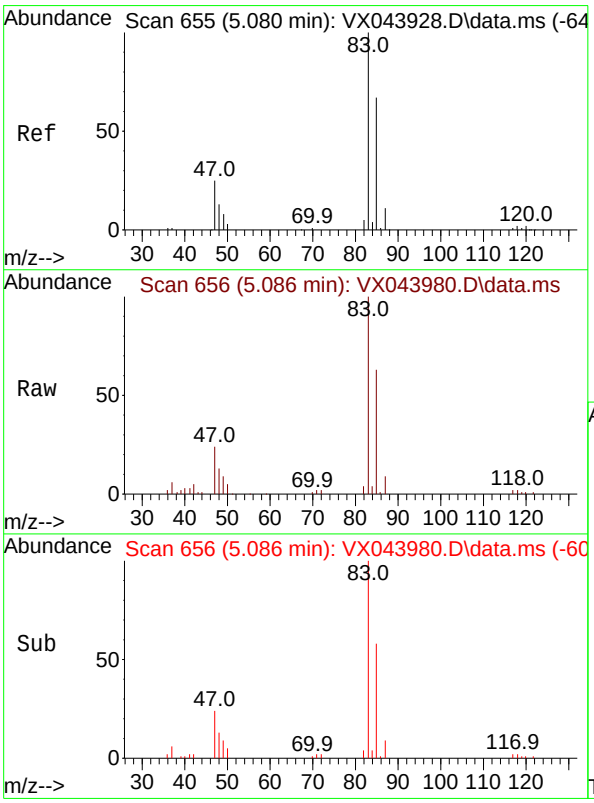
#29
Tetrahydrofuran
Concen: 89.055 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 42 Resp: 71632

Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.4	54.6
71	41.2	33.4	50.0

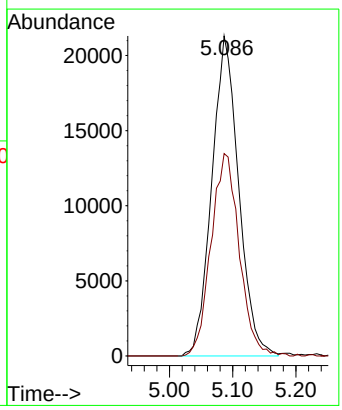


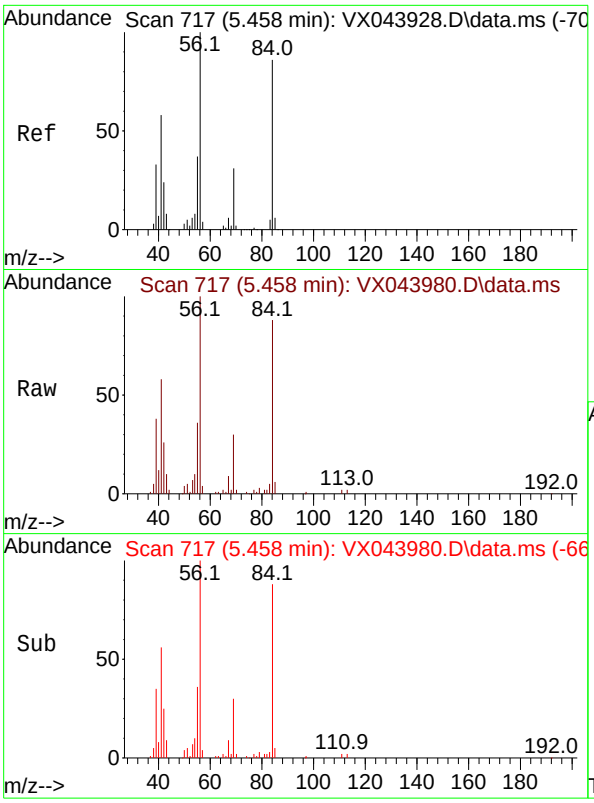


#30
Chloroform
Concen: 19.474 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 83 Resp: 62792

Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.5	80.3



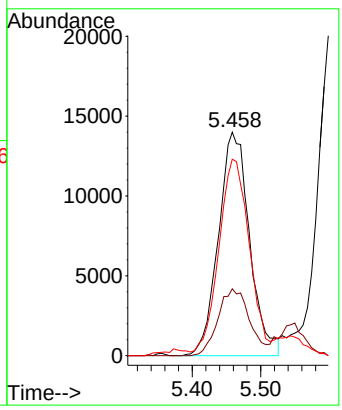


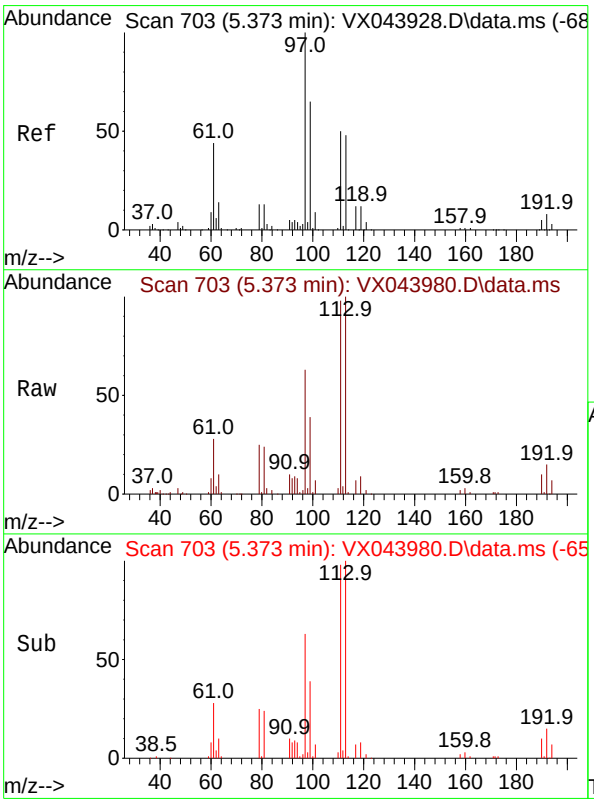
#31
Cyclohexane
Concen: 17.907 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 56 Resp: 44185

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.7	37.1
84	85.4	68.7	103.1

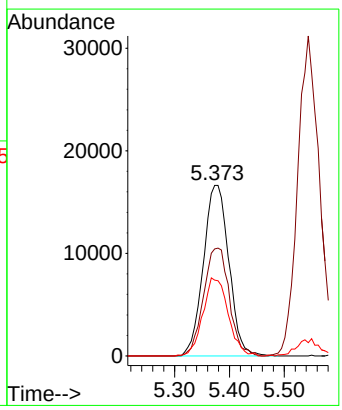


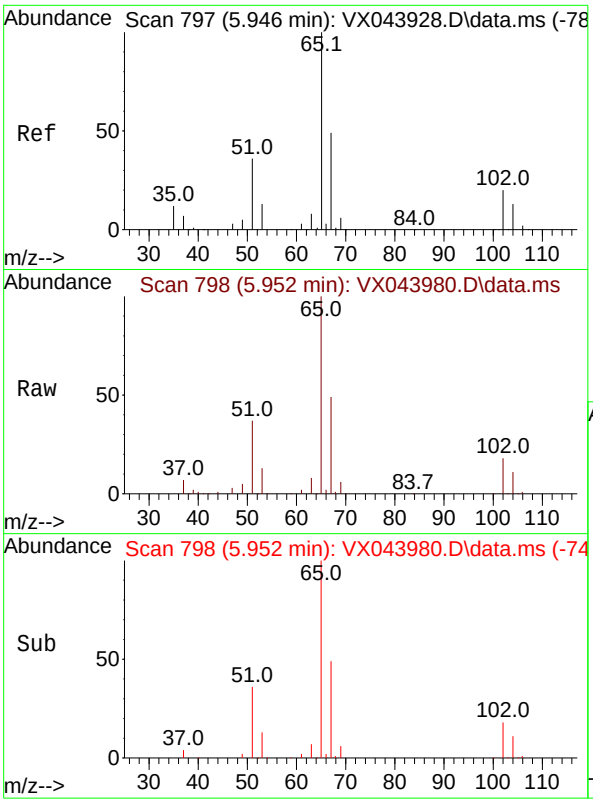


#32
1,1,1-Trichloroethane
Concen: 19.321 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 97 Resp: 53725

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	45.3	35.4	53.2



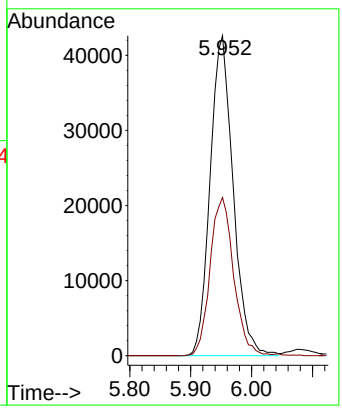


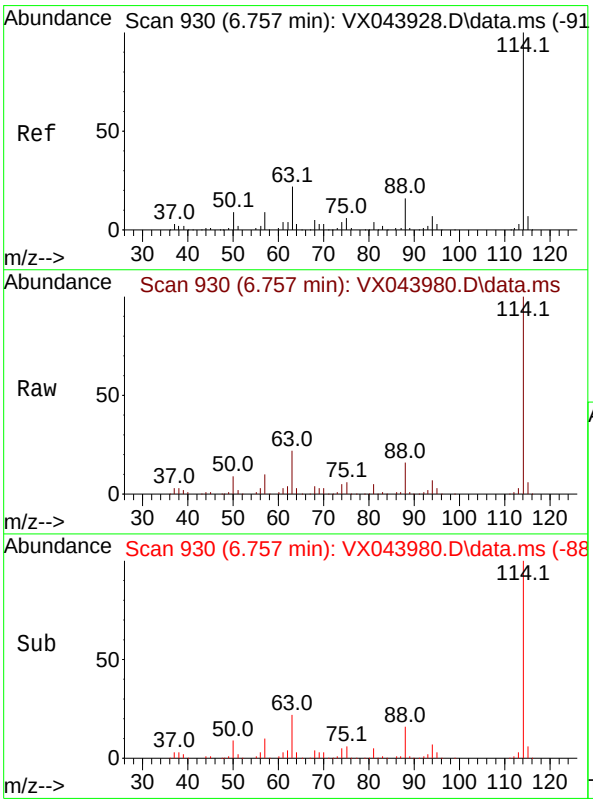
#33
1,2-Dichloroethane-d4
Concen: 50.577 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 65 Resp: 111972

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8

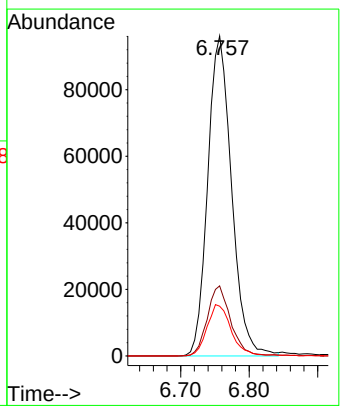


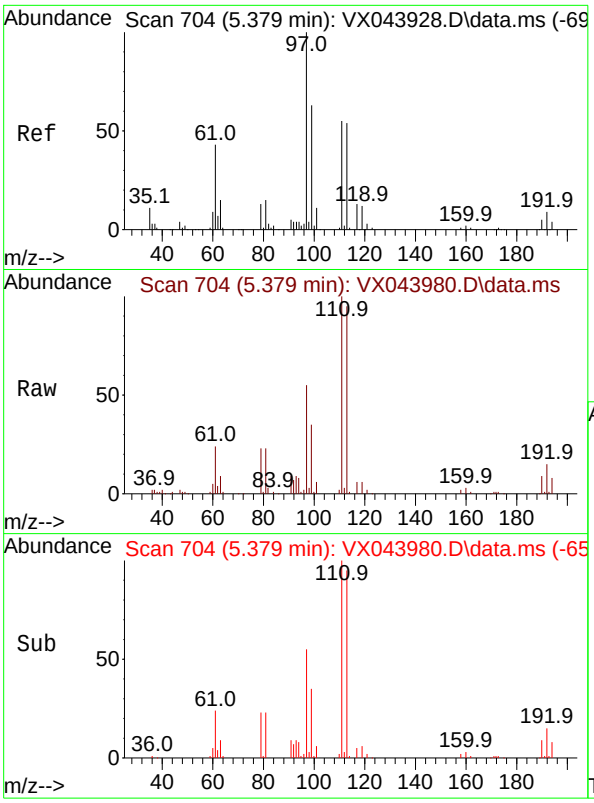


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:114 Resp: 232630

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	15.6	0.0	32.4



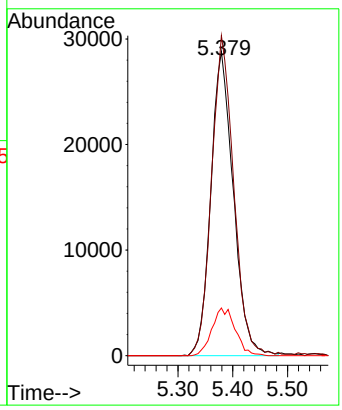


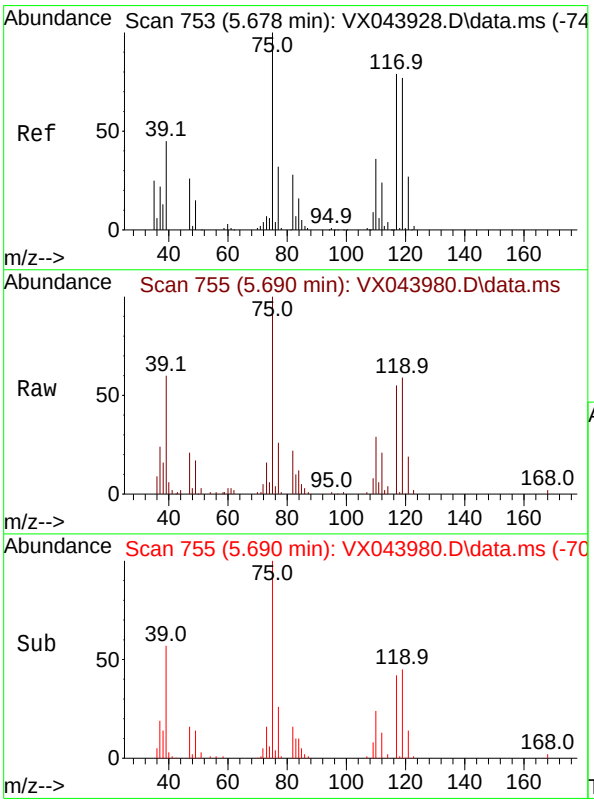
#35
Dibromofluoromethane
Concen: 49.406 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:113 Resp: 82126

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	16.3	13.0	19.6

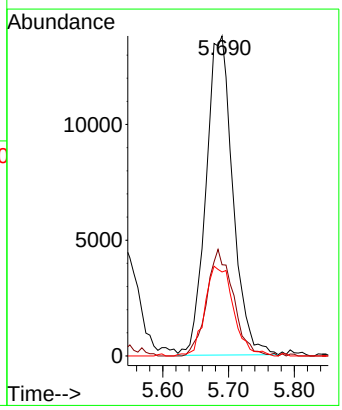


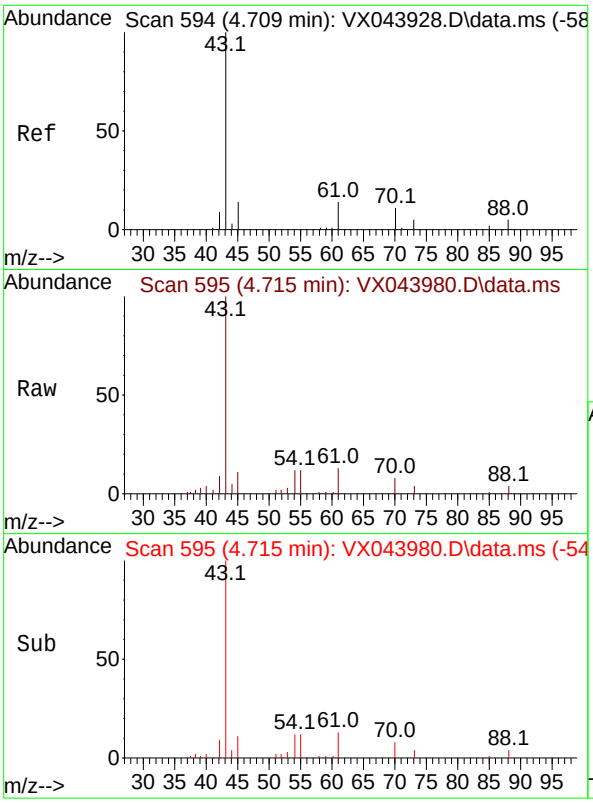


#36
1,1-Dichloropropene
Concen: 18.830 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 39005

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.4	52.2
77	30.0	25.8	38.8



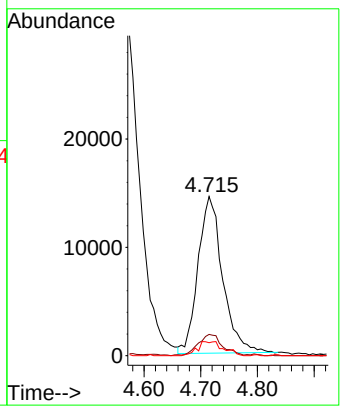


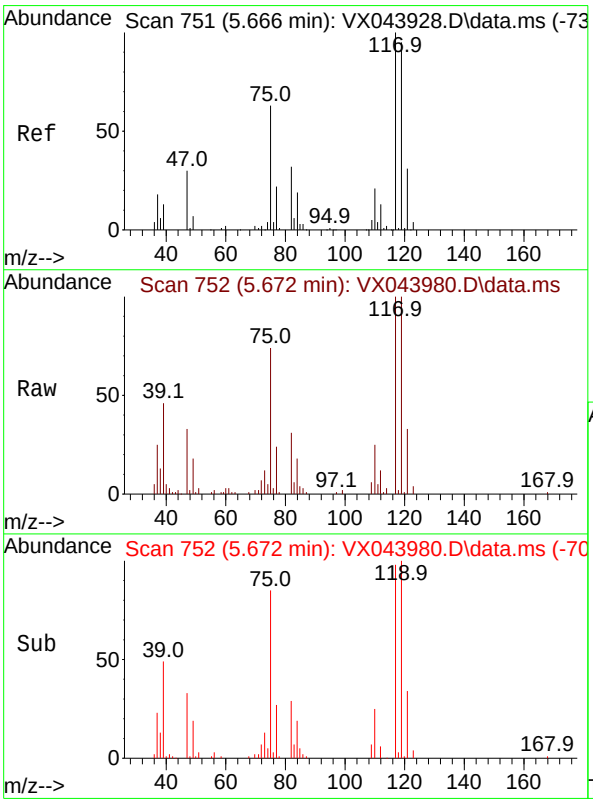
#37
Ethyl Acetate
Concen: 16.958 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 43 Resp: 43604

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.4	8.0	12.0

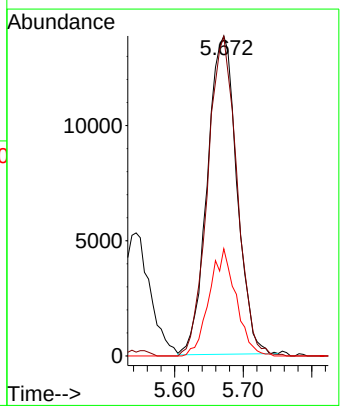


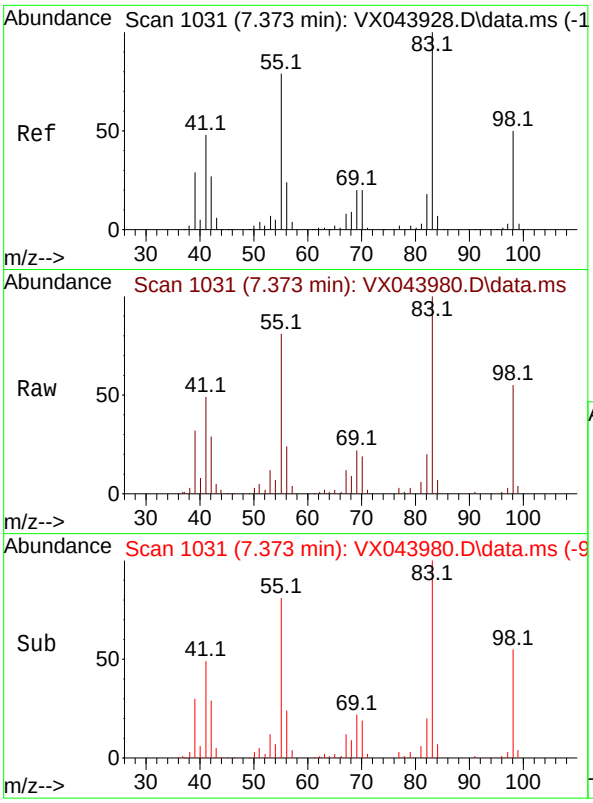


#38
Carbon Tetrachloride
Concen: 17.769 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 41358

Ion	Ratio	Lower	Upper
117	100		
119	100.6	75.2	112.8
121	33.7	24.5	36.7



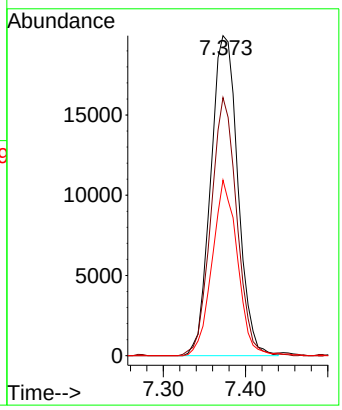


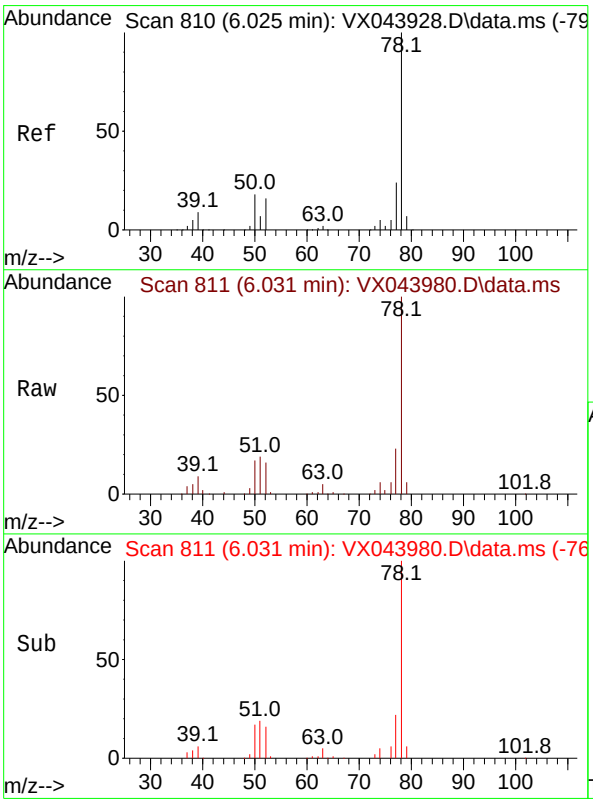
#39
Methylcyclohexane
Concen: 17.047 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 83 Resp: 45874

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.1	94.7
98	54.9	40.0	60.0

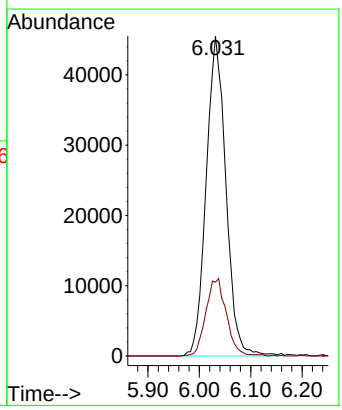


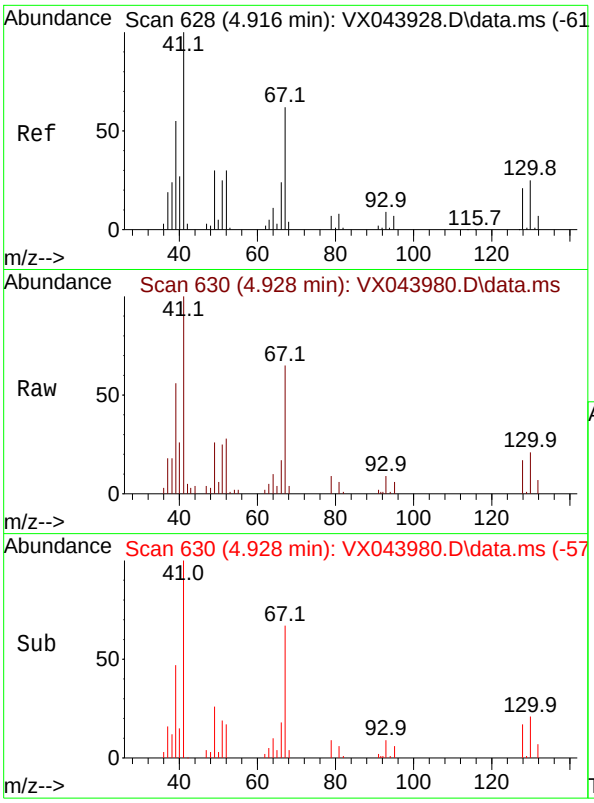


#40
Benzene
Concen: 18.797 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 78 Resp: 121280

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8



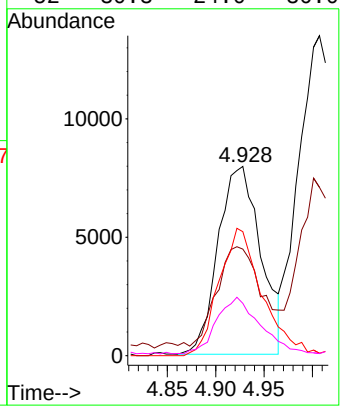


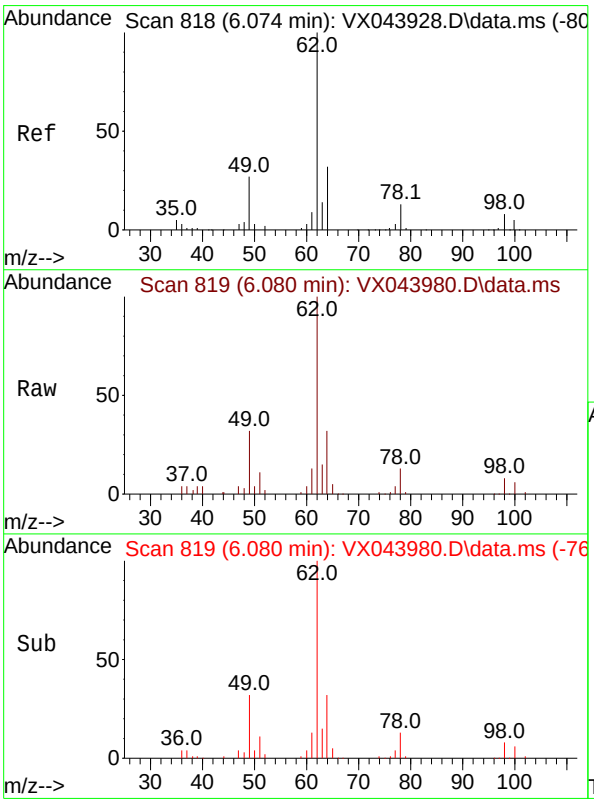
#41
Methacrylonitrile
Concen: 18.537 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 41 Resp: 24395

Ion	Ratio	Lower	Upper
41	100		
39	57.0	41.7	62.5
67	69.4	55.8	83.8
52	30.3	24.0	36.0

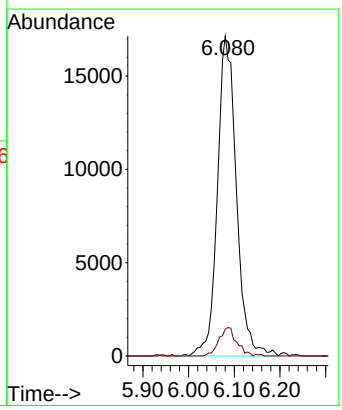


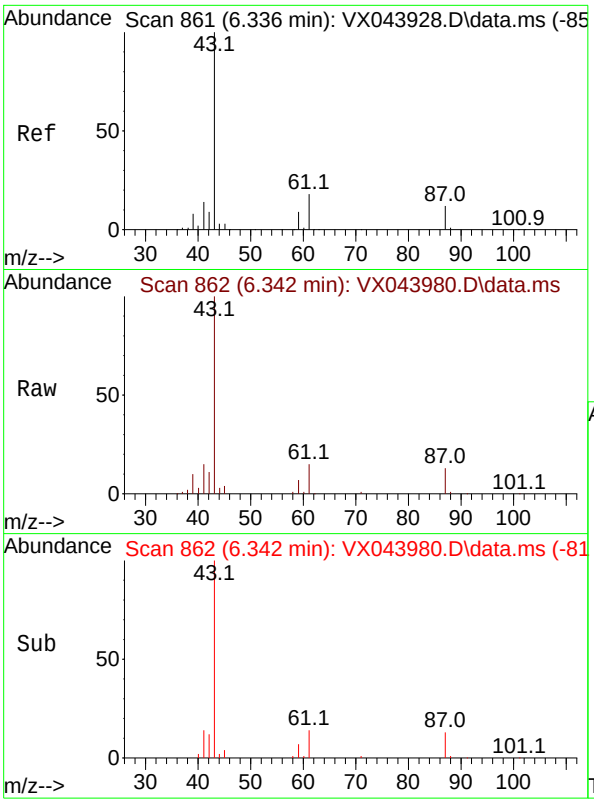


#42
1,2-Dichloroethane
Concen: 19.069 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 49414

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



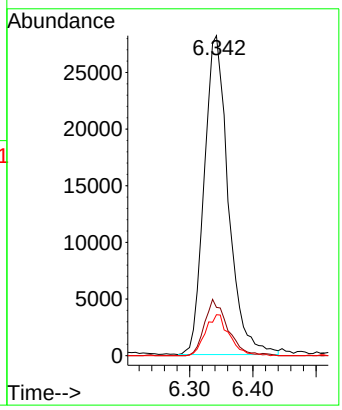


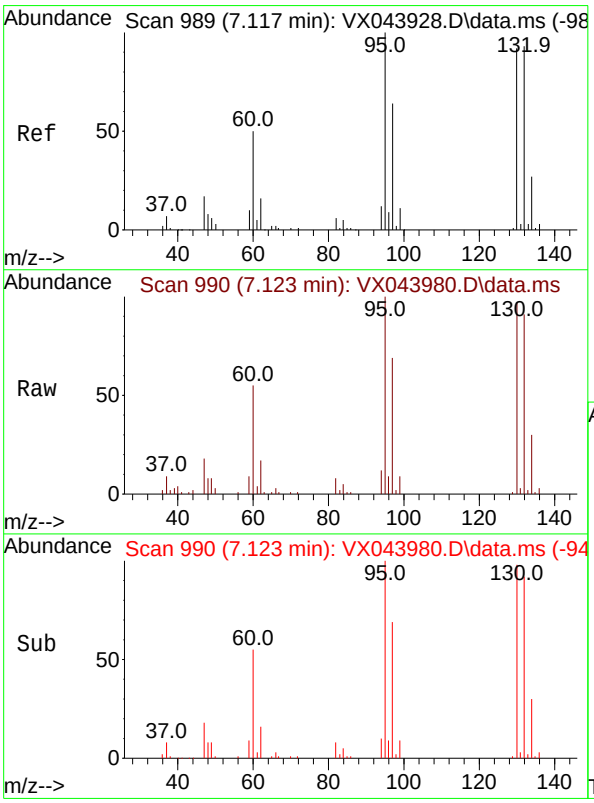
#43
Isopropyl Acetate
Concen: 18.280 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 43 Resp: 74800

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.5	21.7
87	12.7	10.2	15.2

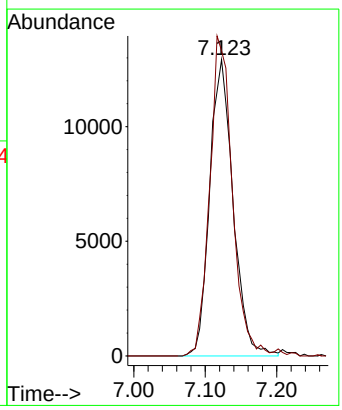


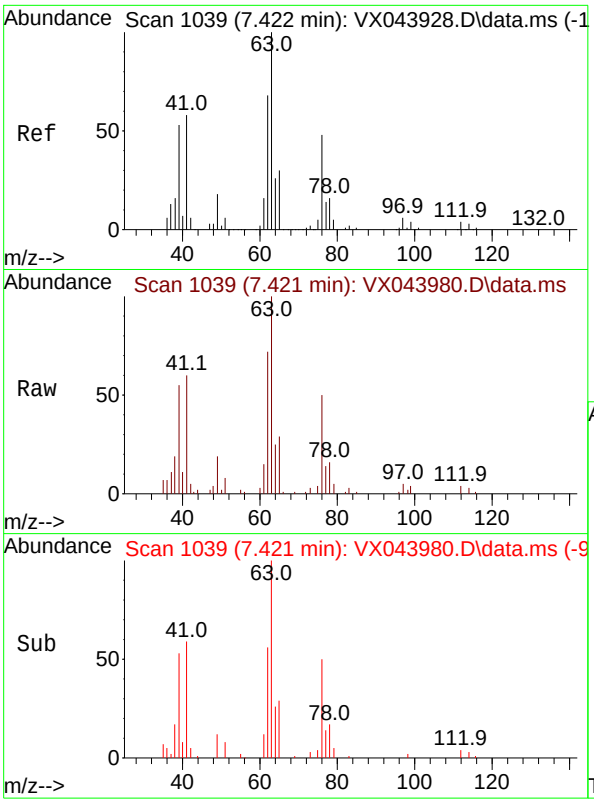


#44
Trichloroethene
Concen: 16.124 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:130 Resp: 29451

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	217.8



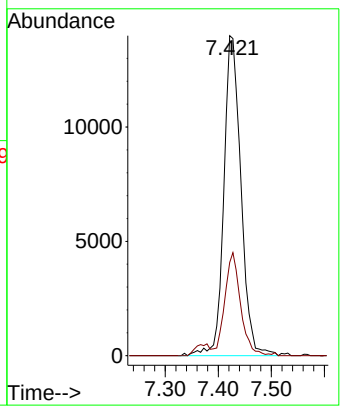


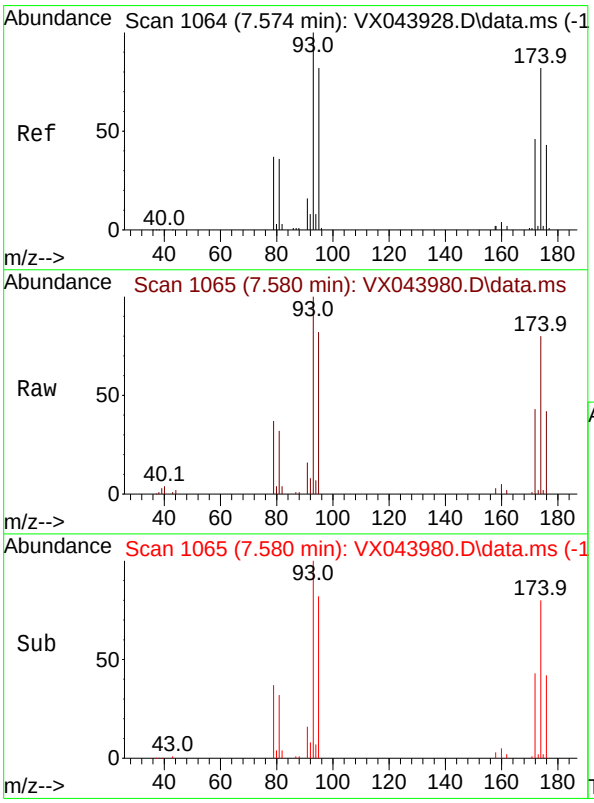
#45
1,2-Dichloropropane
Concen: 19.833 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 63 Resp: 31342

Ion	Ratio	Lower	Upper
63	100		
65	29.1	23.8	35.6

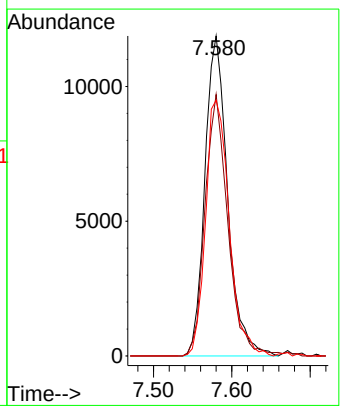


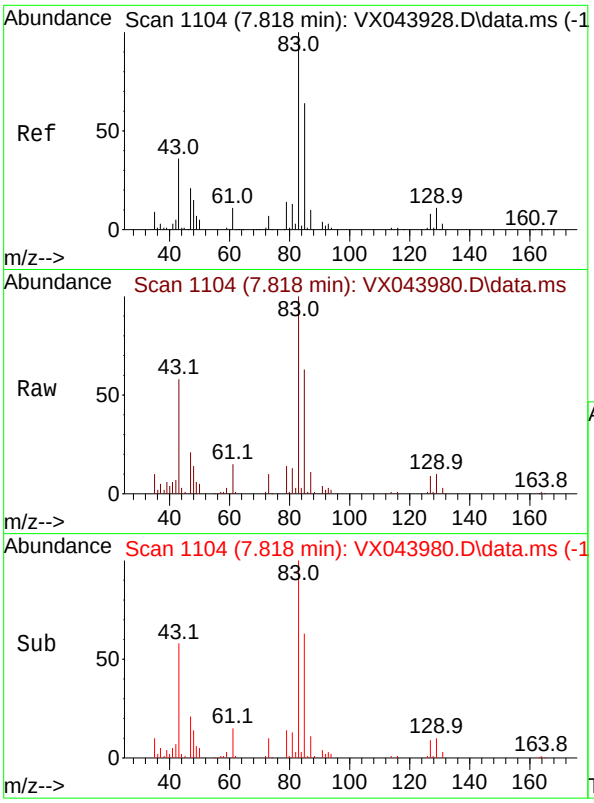


#46
Dibromomethane
Concen: 19.103 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 93 Resp: 23880

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.2	99.4
174	83.3	69.6	104.4



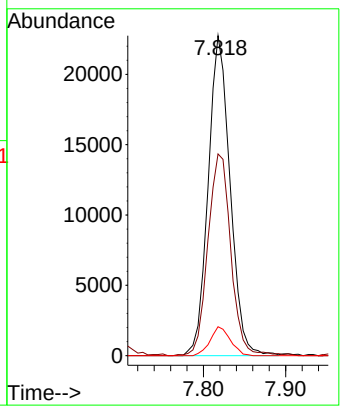


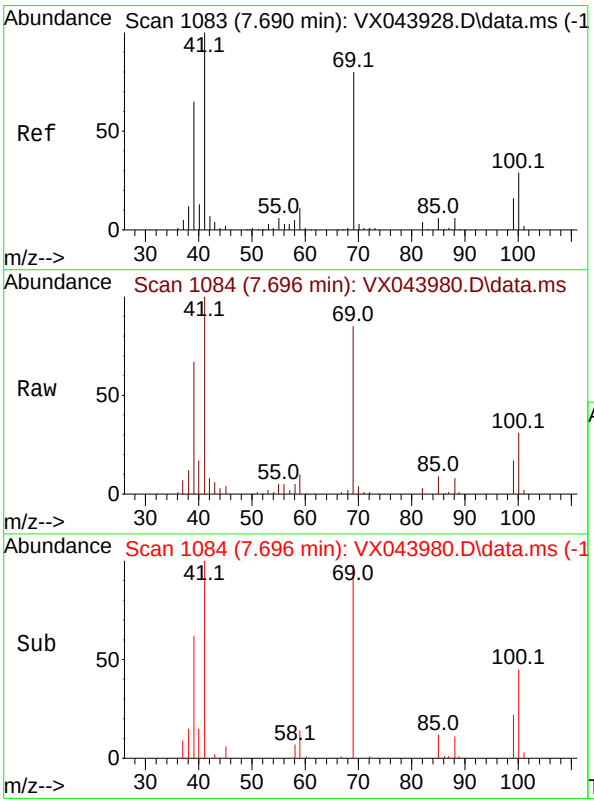
#47
Bromodichloromethane
Concen: 18.804 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 83 Resp: 42158

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	9.0	6.6	10.0

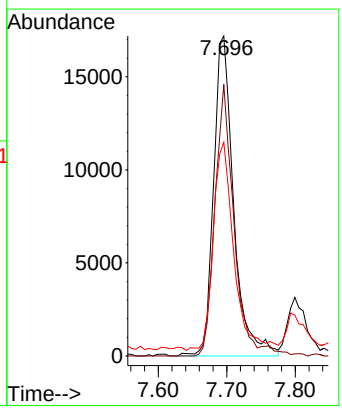


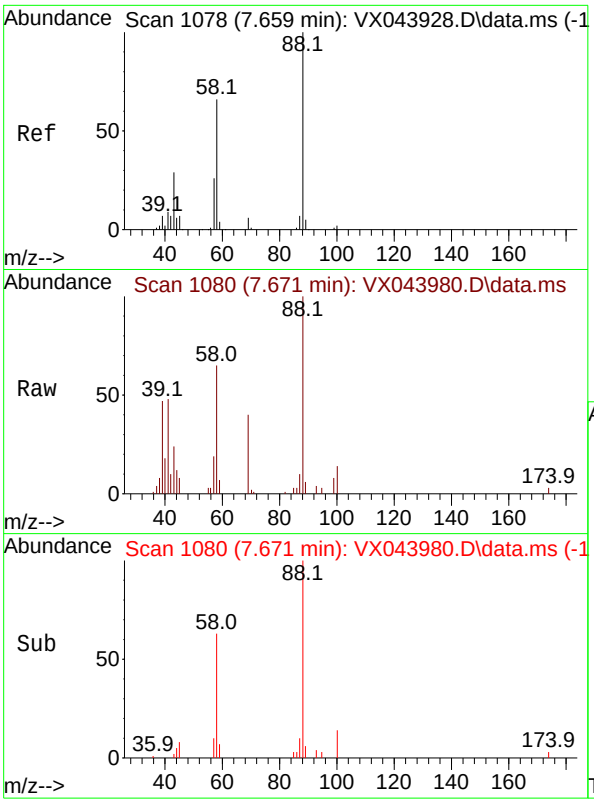


#48
Methyl methacrylate
Concen: 17.747 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 34847

Ion	Ratio	Lower	Upper
41	100		
69	81.1	64.6	97.0
39	66.7	53.3	79.9



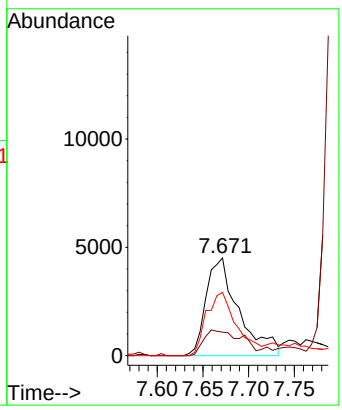


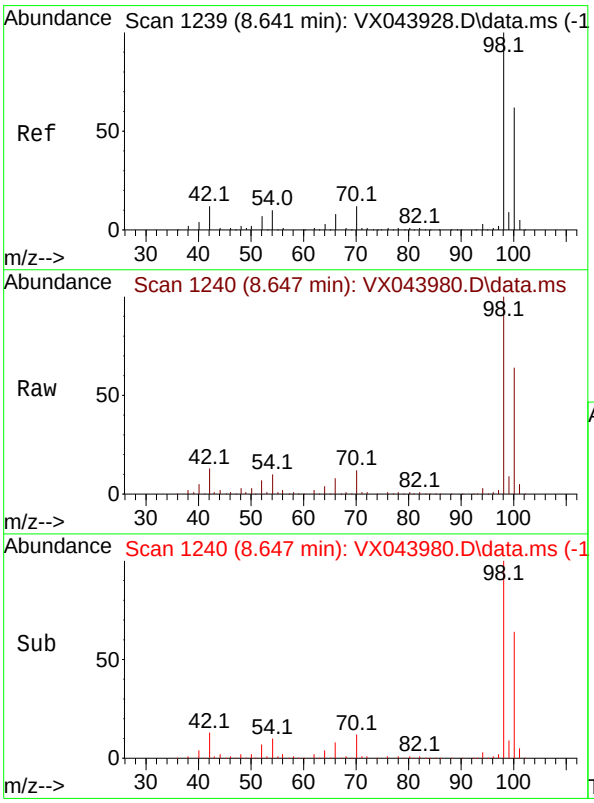
#49
1,4-Dioxane
Concen: 320.363 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 88 Resp: 11205

Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.8	40.2
58	60.3	45.4	68.2

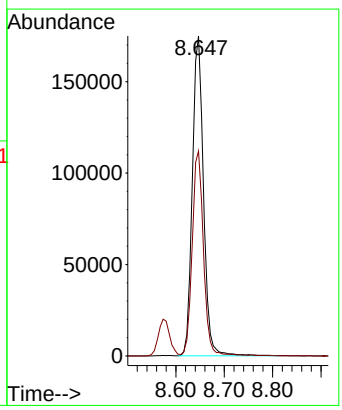


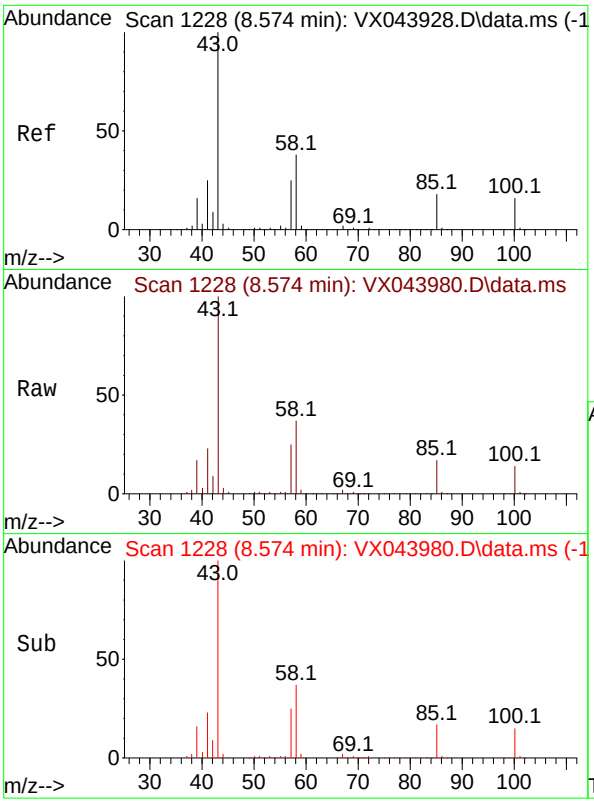


#50
Toluene-d8
Concen: 48.822 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 98 Resp: 279748

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0



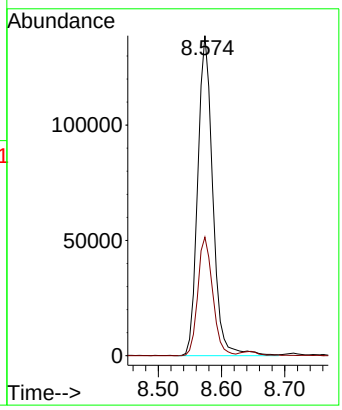


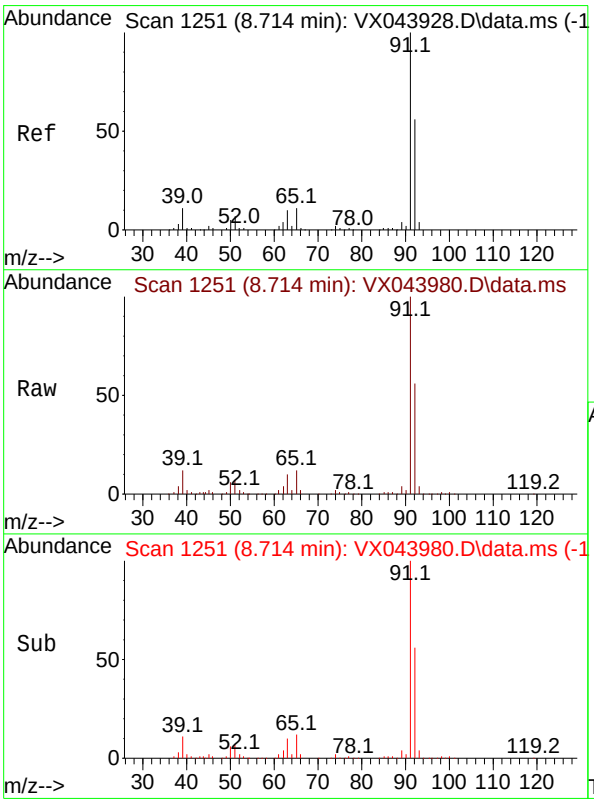
#51
4-Methyl-2-Pentanone
Concen: 92.377 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 43 Resp: 230680

Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.0	45.0

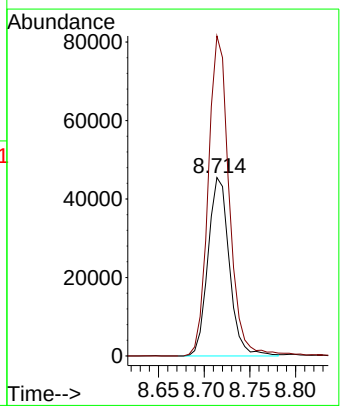


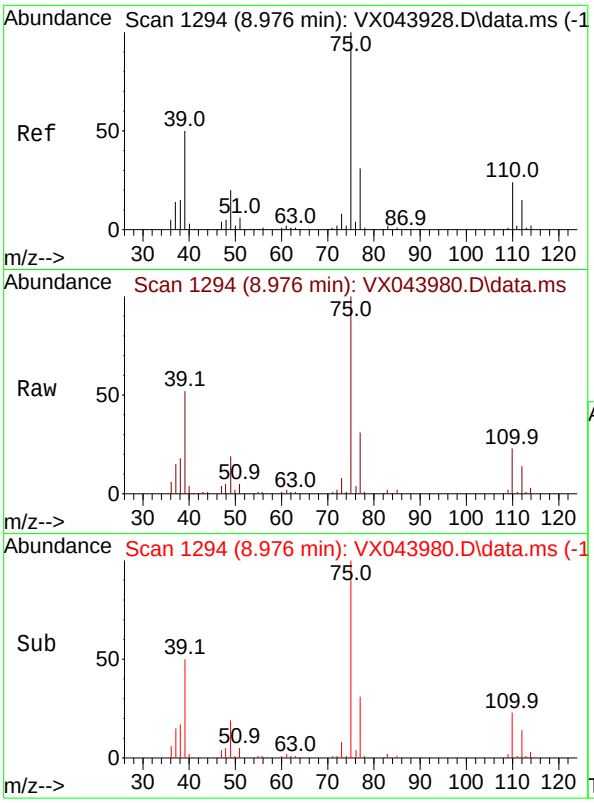


#52
Toluene
Concen: 19.100 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 92 Resp: 73761

Ion	Ratio	Lower	Upper
92	100		
91	177.2	139.7	209.5



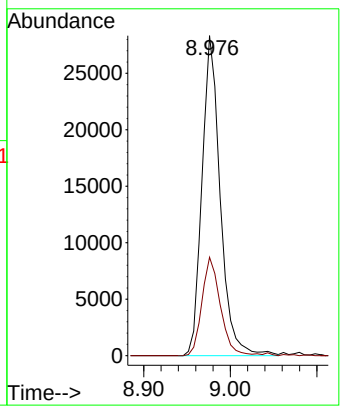


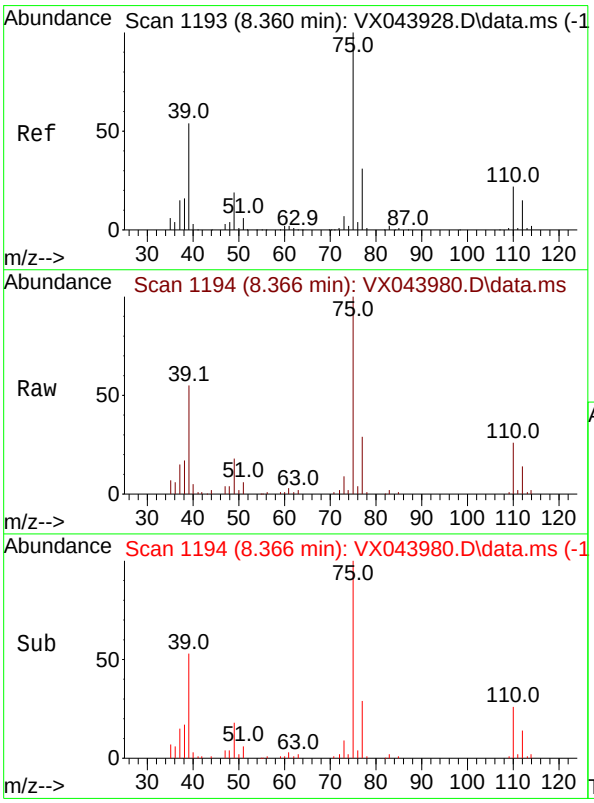
#53
t-1,3-Dichloropropene
Concen: 18.157 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 75 Resp: 41513

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7

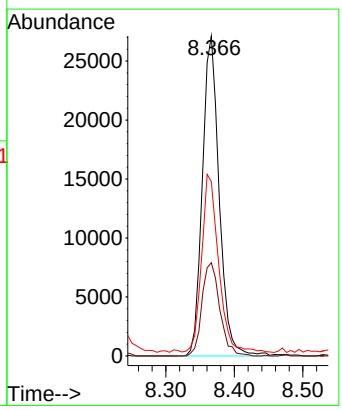


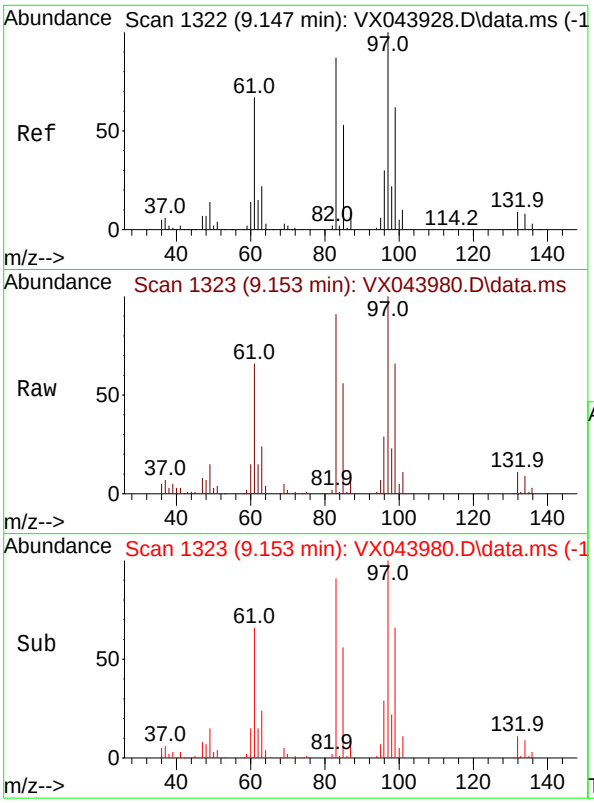


#54
cis-1,3-Dichloropropene
Concen: 18.559 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 46516

Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.2	37.8
39	53.0	43.1	64.7



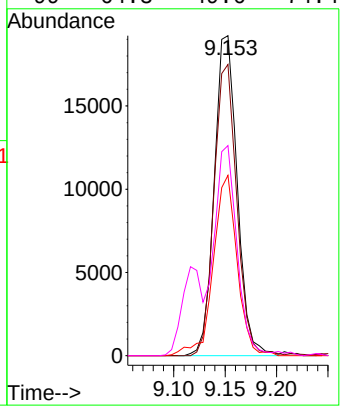


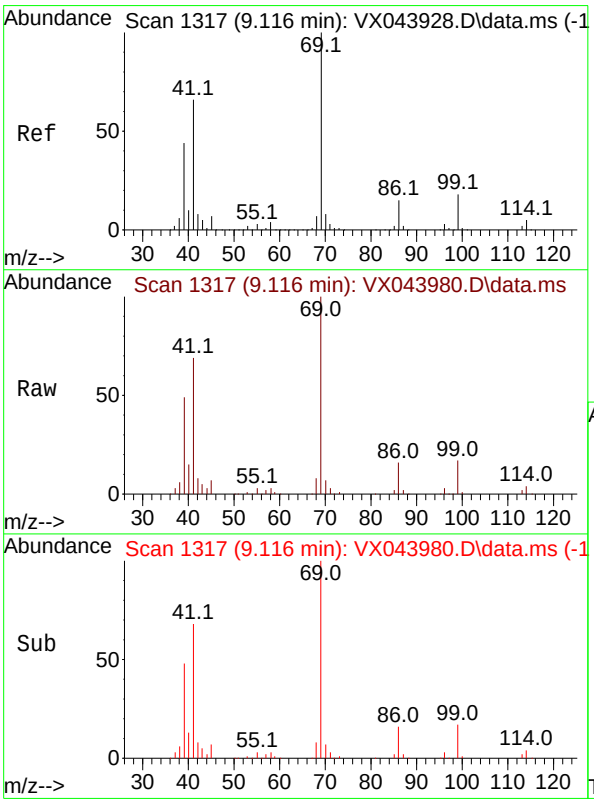
#55
1,1,2-Trichloroethane
Concen: 18.711 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 97 Resp: 29828

Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.4	104.0
85	56.4	42.3	63.5
99	64.3	49.6	74.4

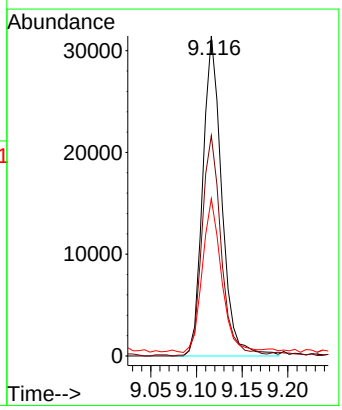


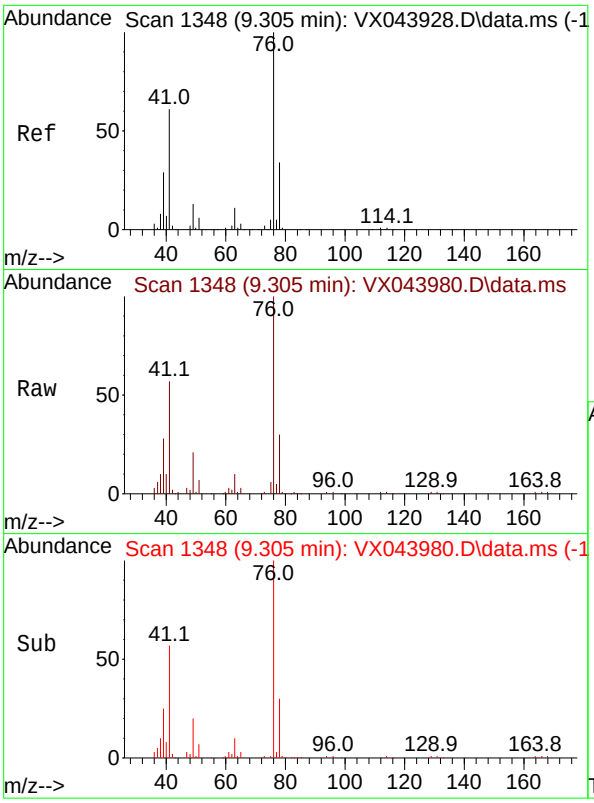


#56
Ethyl methacrylate
Concen: 18.265 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 69 Resp: 45352

Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	48.4	36.7	55.1



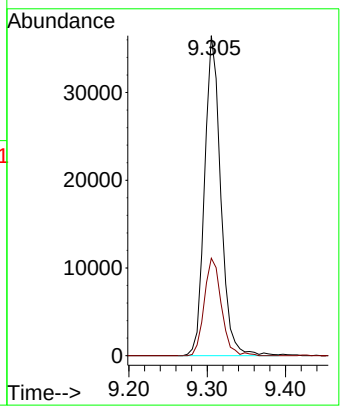


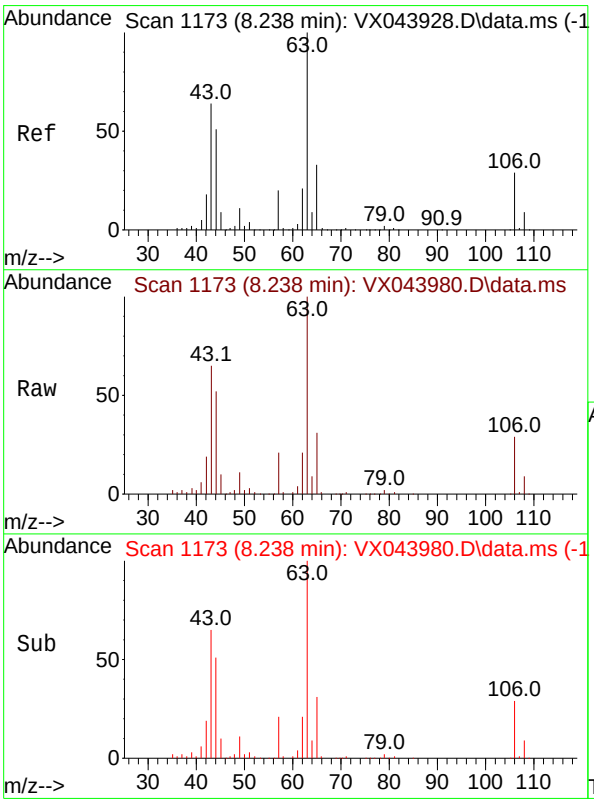
#57
1,3-Dichloropropane
Concen: 19.493 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 76 Resp: 52347

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

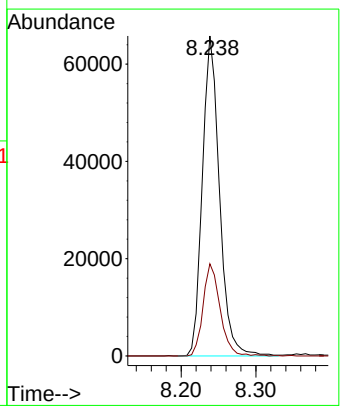


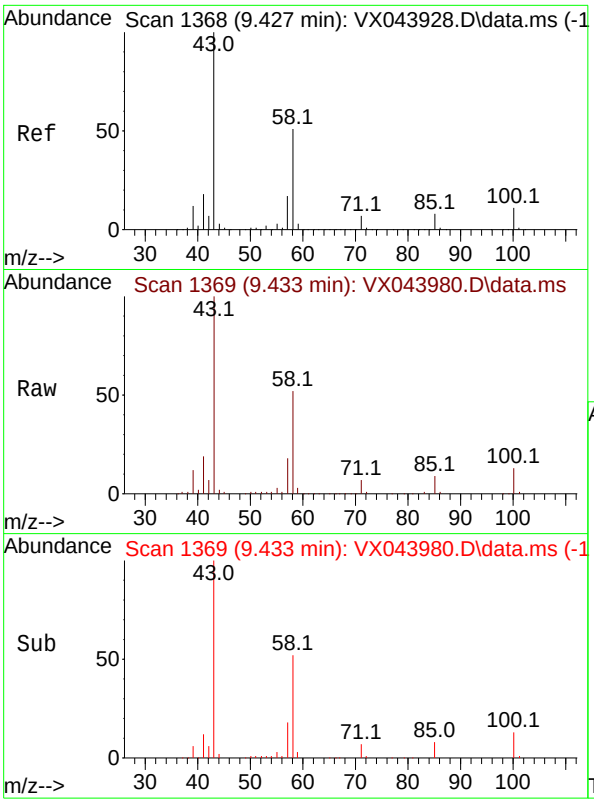


#58
2-Chloroethyl Vinyl ether
Concen: 76.406 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 104808

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6



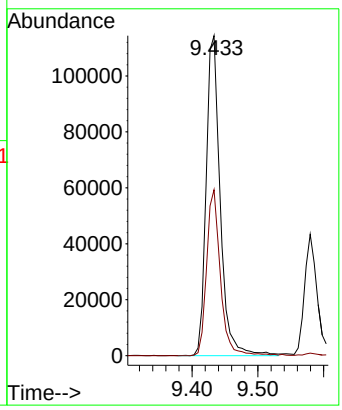


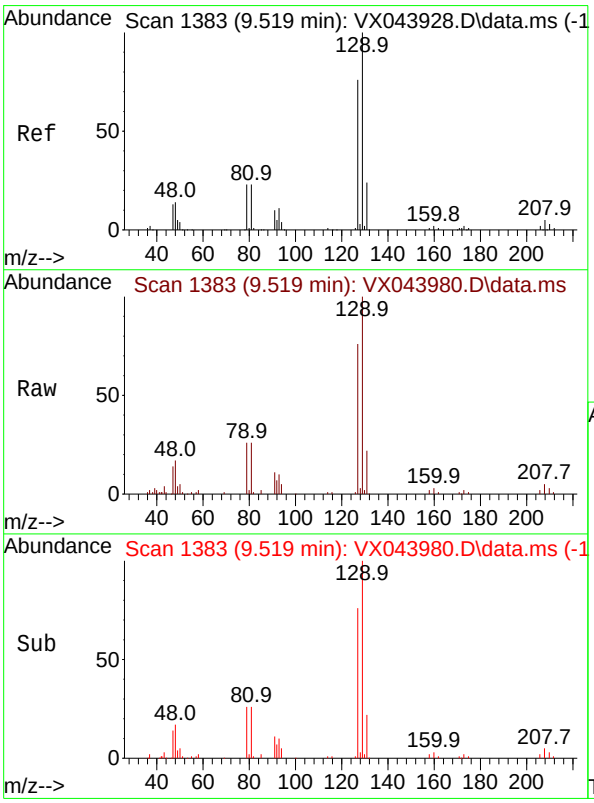
#59
2-Hexanone
Concen: 90.646 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 43 Resp: 170135

Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6

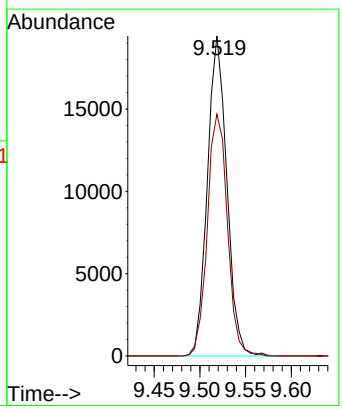


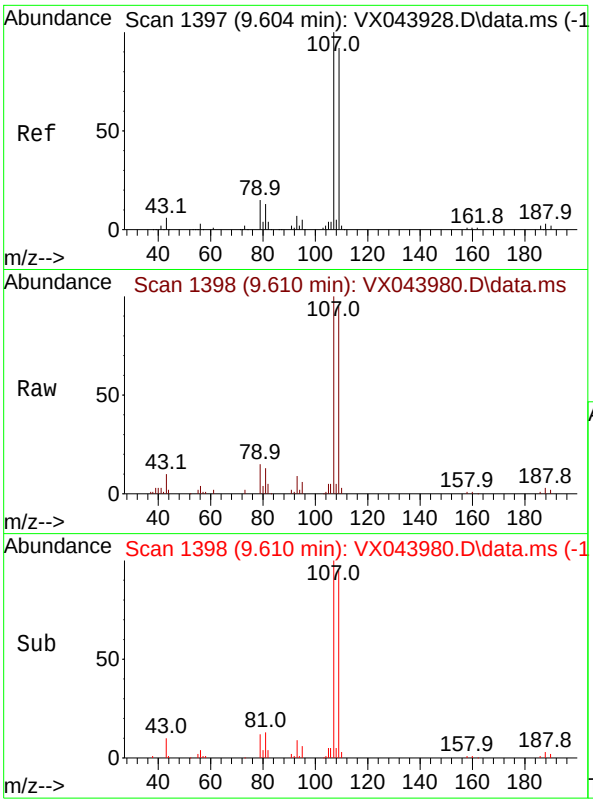


#60
Dibromochloromethane
Concen: 17.922 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:129 Resp: 28665

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.2	114.6



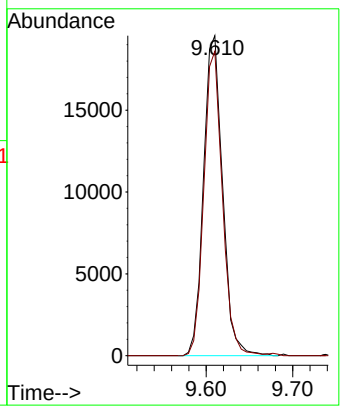


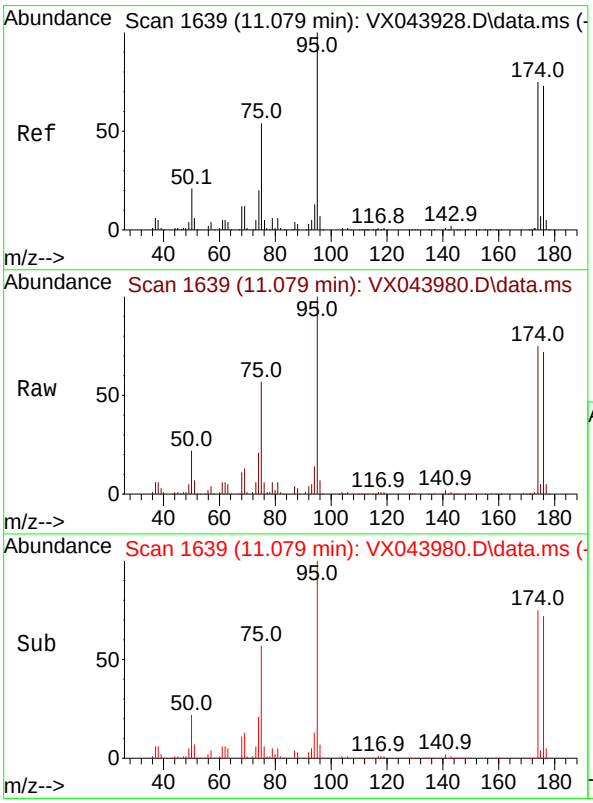
#61
1,2-Dibromoethane
Concen: 18.503 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:107 Resp: 29826

Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8

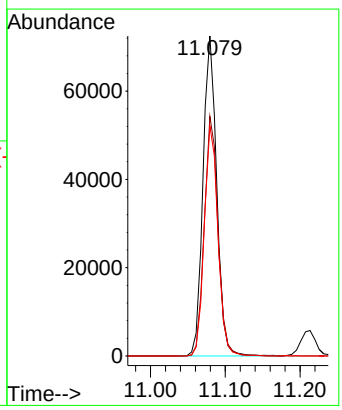


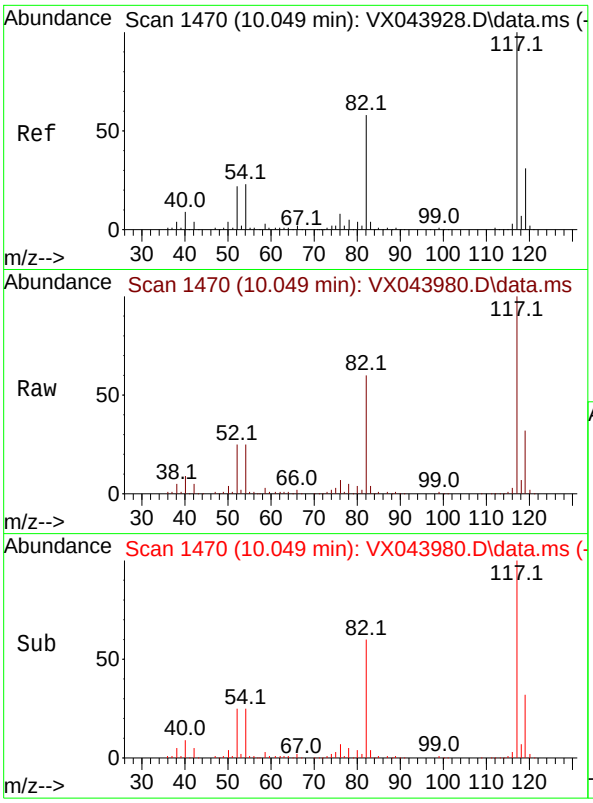


#62
4-Bromofluorobenzene
Concen: 47.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 95 Resp: 92231

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.4
176	71.7	0.0	146.0



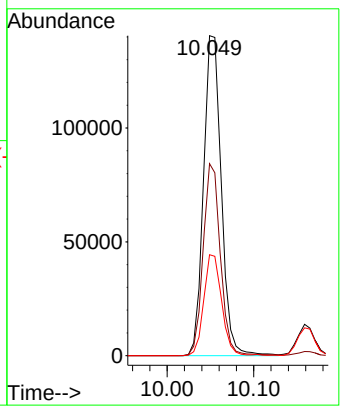


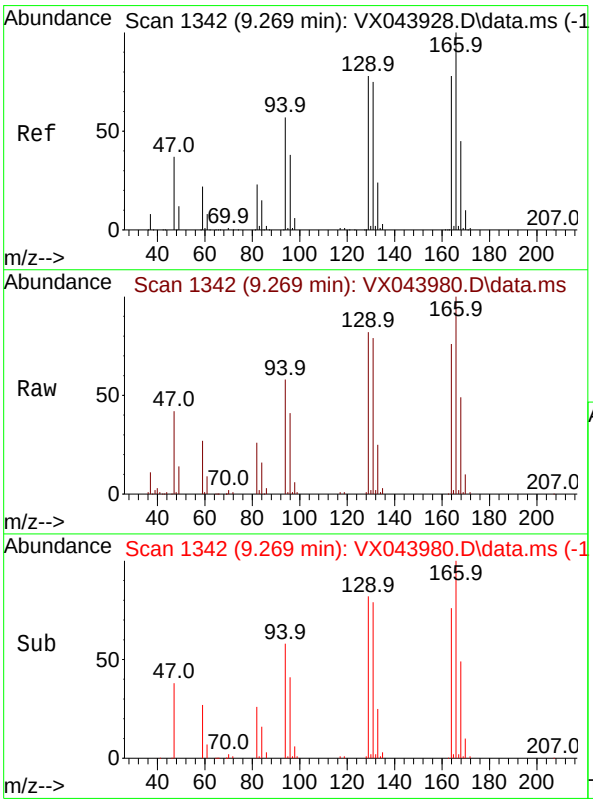
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:117 Resp: 200729

Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.4	69.6
119	31.5	24.6	37.0

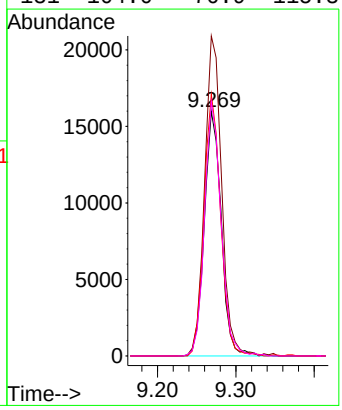


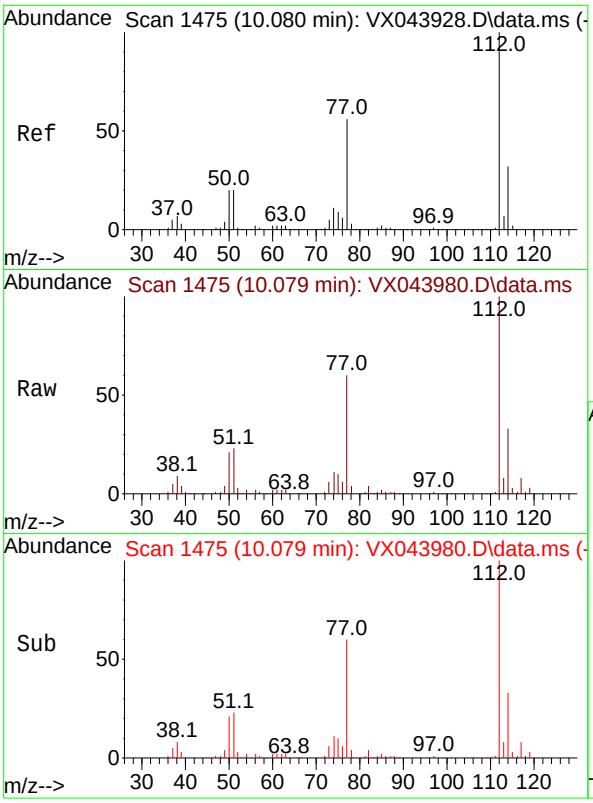


#64
Tetrachloroethene
Concen: 18.065 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:164 Resp: 23911

Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.1	153.1
129	107.0	79.6	119.4
131	104.0	76.9	115.3



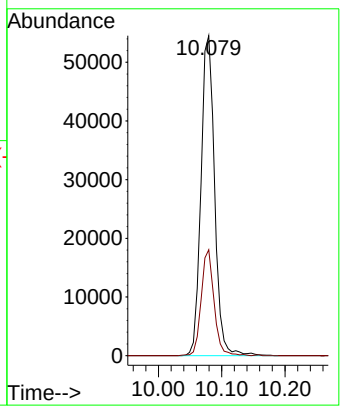


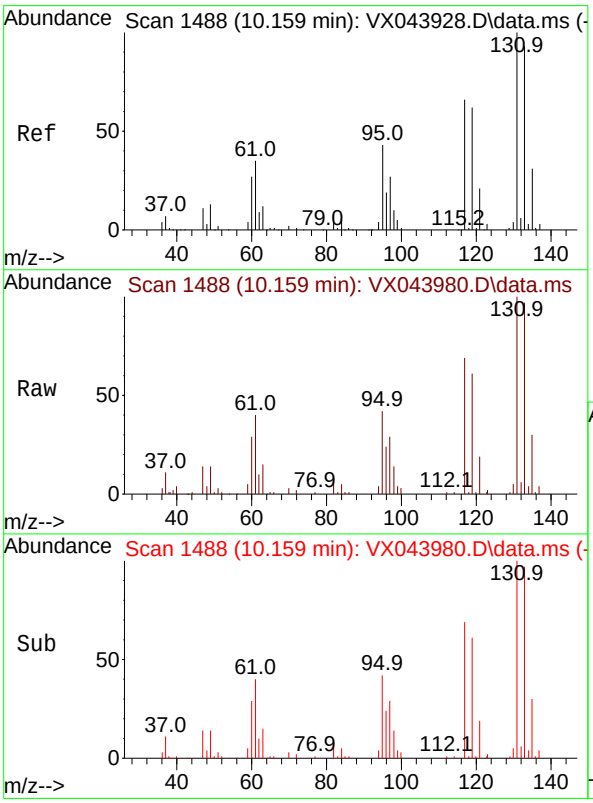
#65
Chlorobenzene
Concen: 18.597 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:112 Resp: 81986

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0

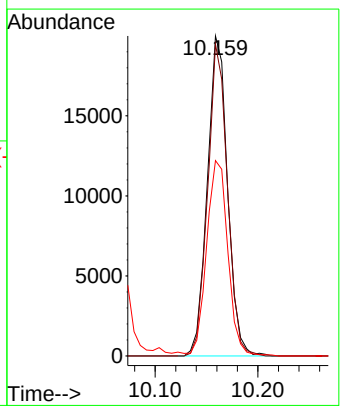


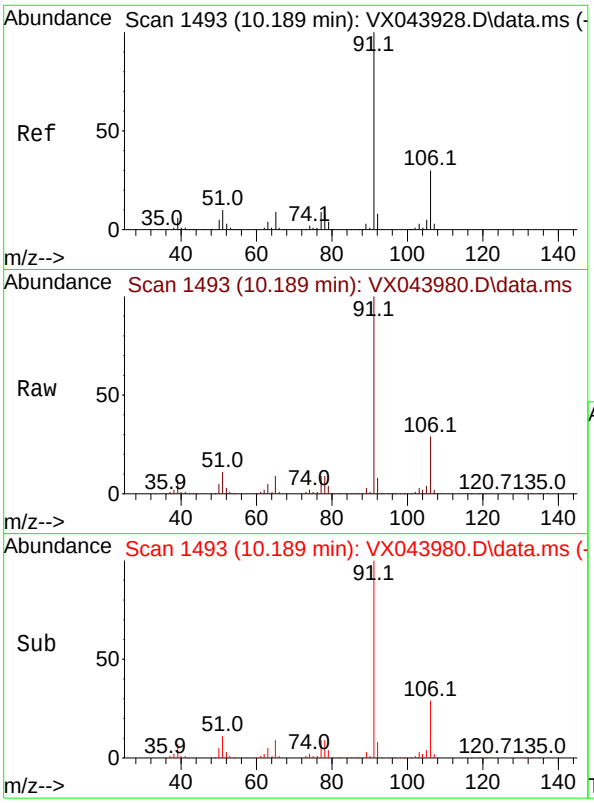


#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:131 Resp: 27274

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	64.2	31.5	94.5



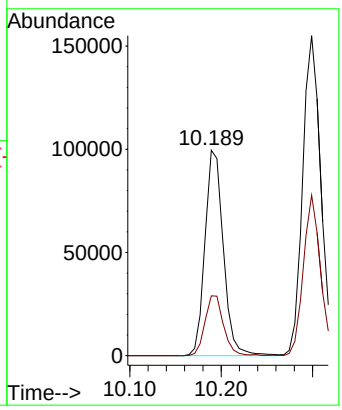


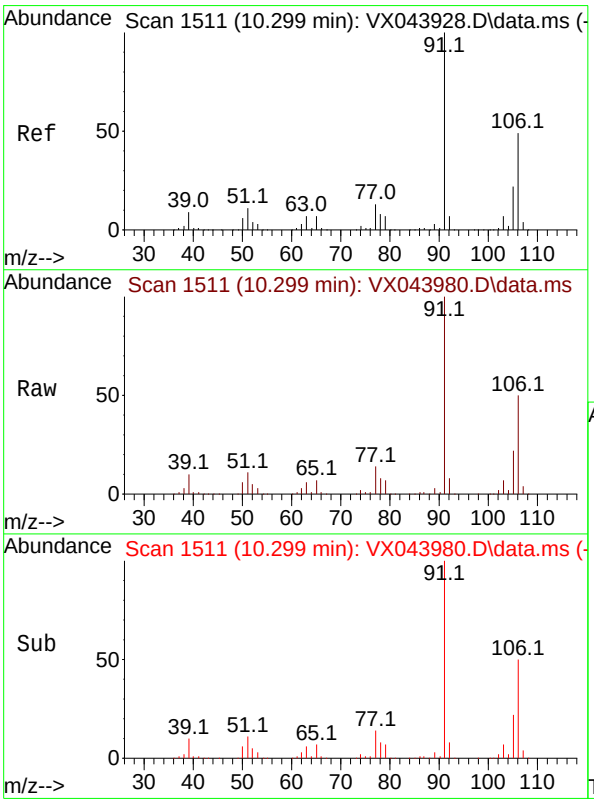
#67
Ethyl Benzene
Concen: 18.608 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 91 Resp: 139010

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4

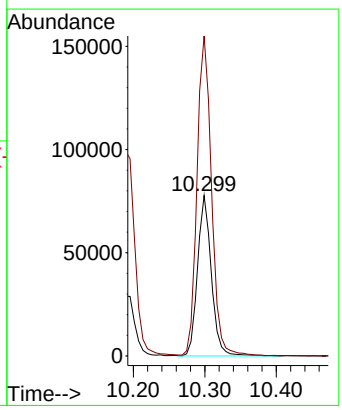


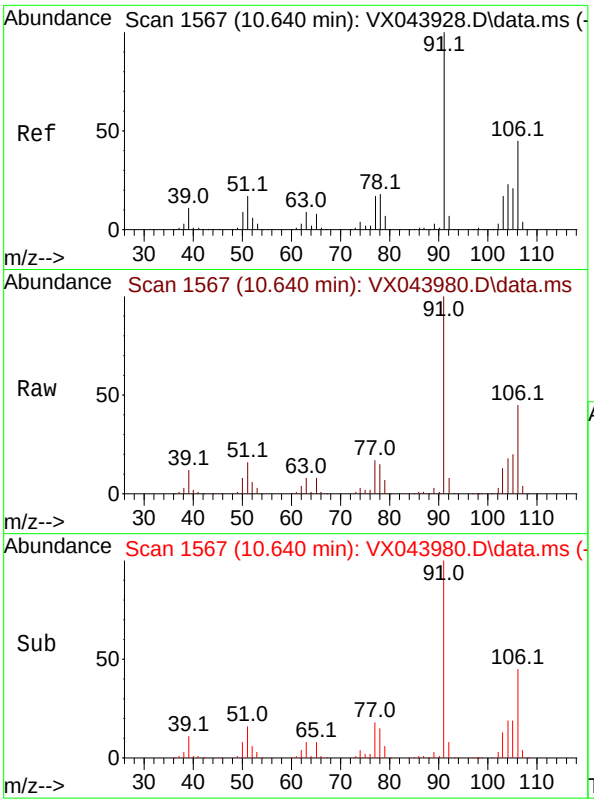


#68
m/p-Xylenes
Concen: 37.328 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:106 Resp: 103991

Ion	Ratio	Lower	Upper
106	100		
91	209.3	168.1	252.1



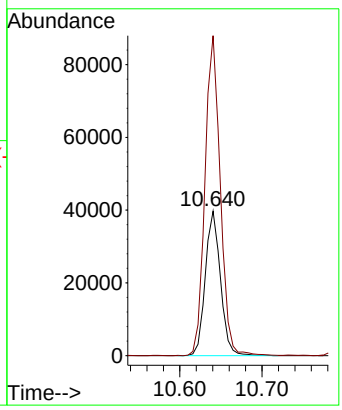


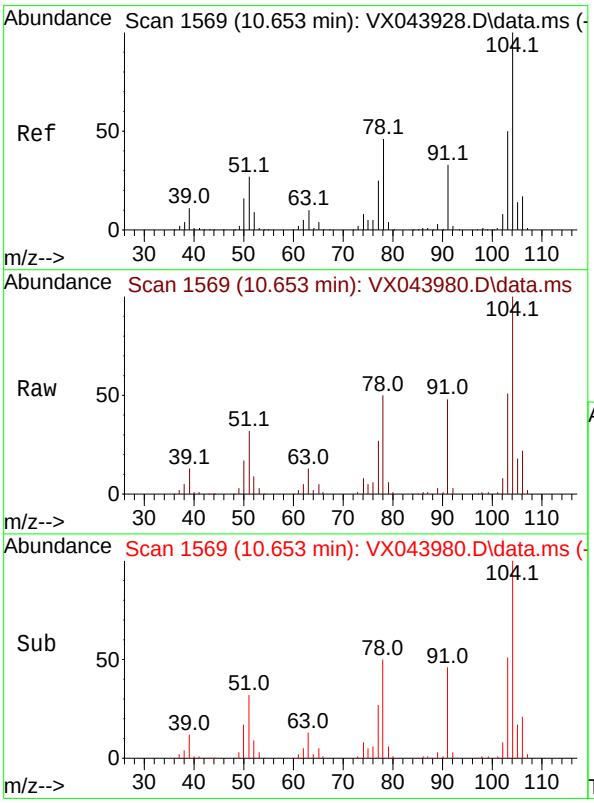
#69
o-Xylene
Concen: 18.698 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:106 Resp: 50858

Ion	Ratio	Lower	Upper
106	100		
91	223.9	110.2	330.6

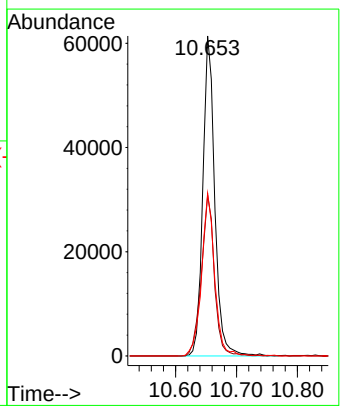


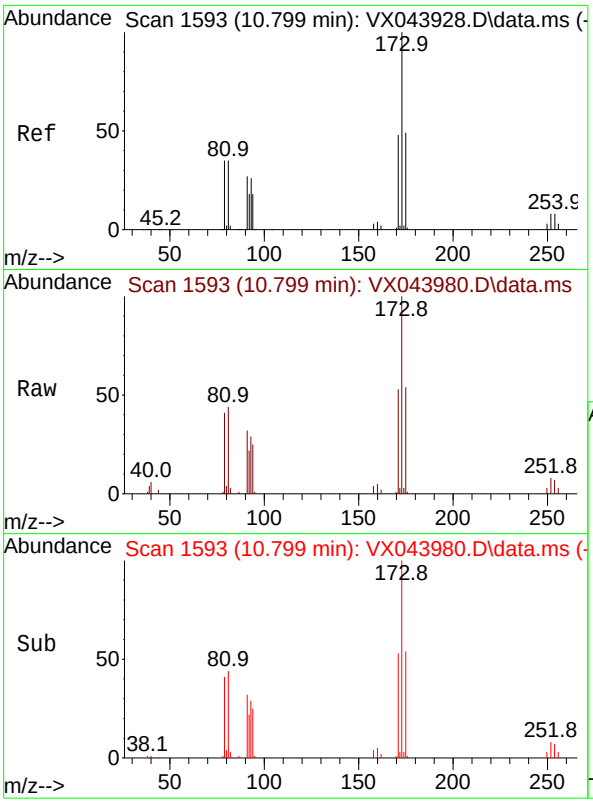


#70
Styrene
Concen: 18.638 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:104 Resp: 83849

Ion	Ratio	Lower	Upper
104	100		
78	54.6	42.2	63.2
103	55.6	44.7	67.1



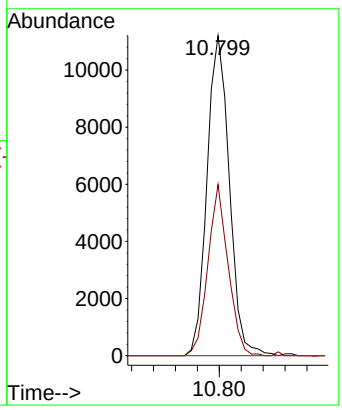


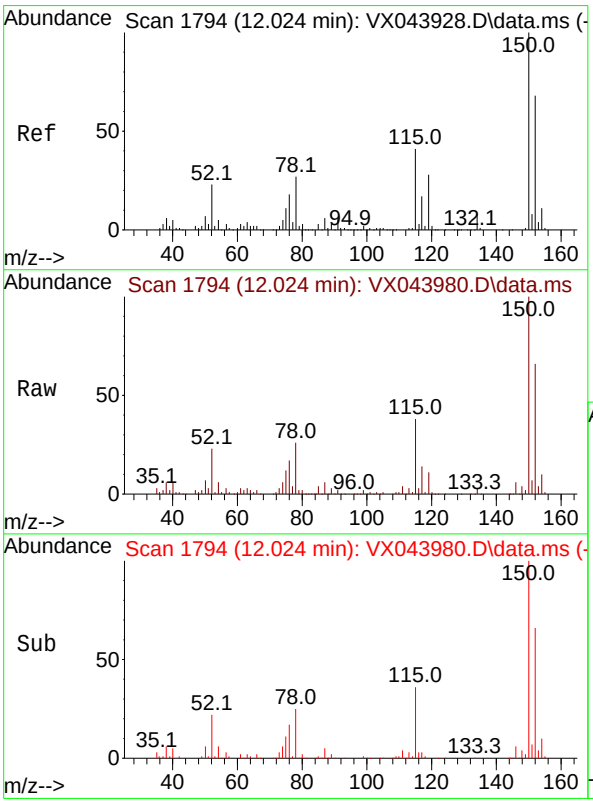
#71
Bromoform
Concen: 15.994 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:173 Resp: 15846

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.0	0.0

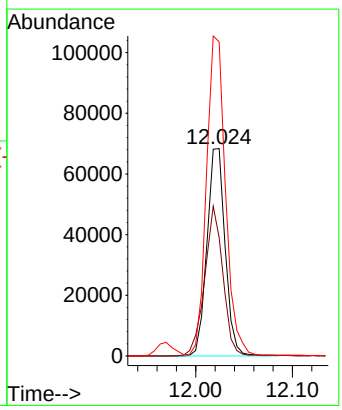


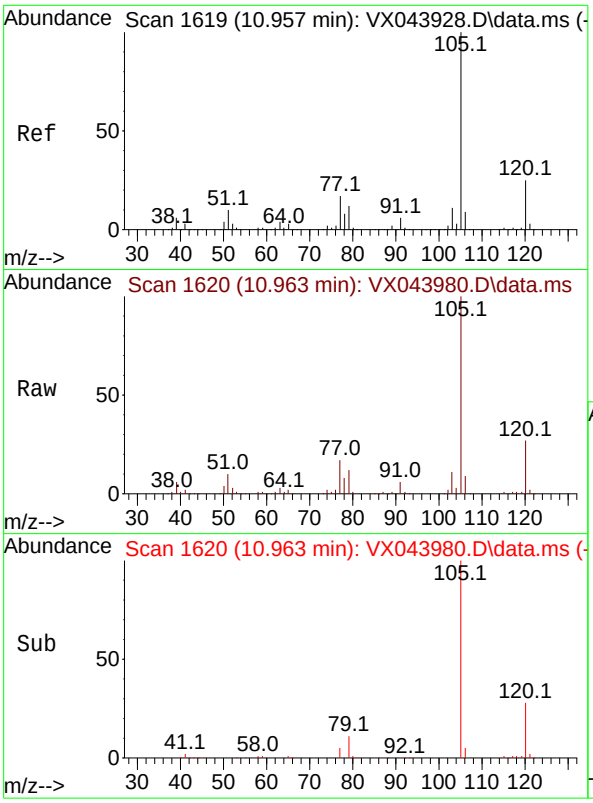


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:152 Resp: 89446

Ion	Ratio	Lower	Upper
152	100		
115	72.4	45.4	136.2
150	161.3	0.0	353.0



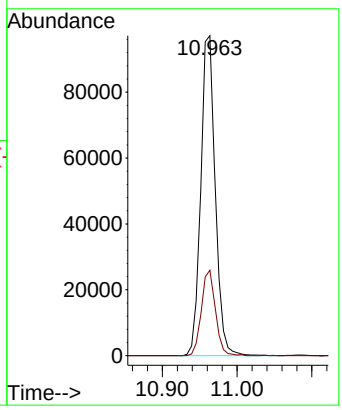


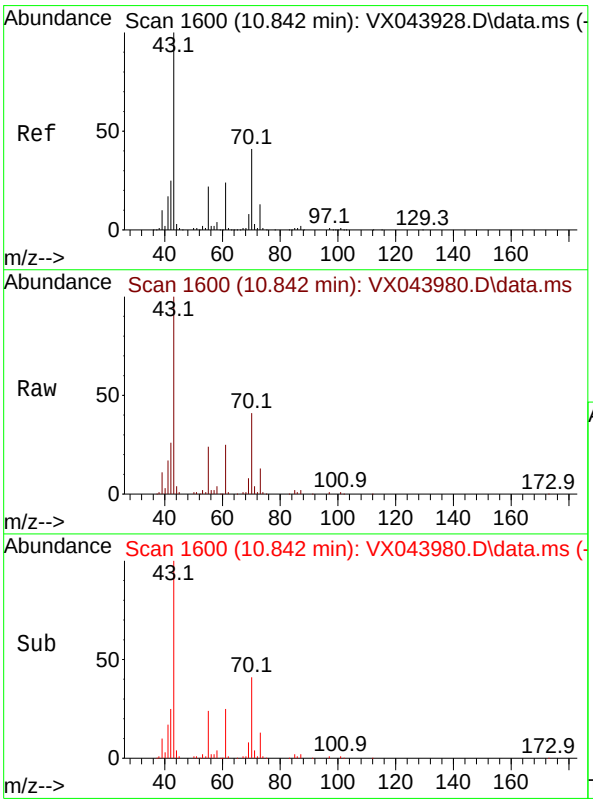
#73
Isopropylbenzene
Concen: 19.035 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:105 Resp: 130876

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

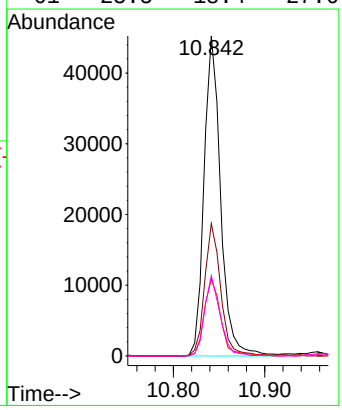


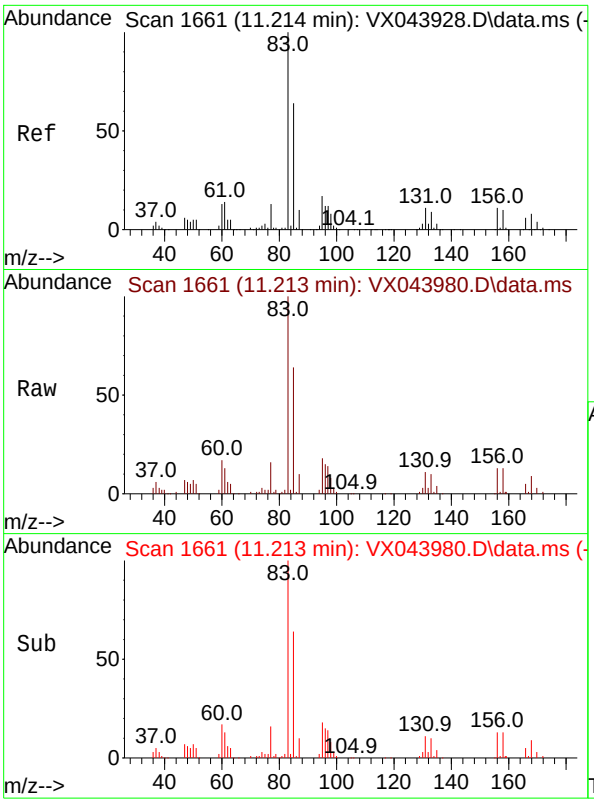


#74
N-amyl acetate
Concen: 17.857 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 56876

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.0	18.1	27.1
61	23.5	18.4	27.6



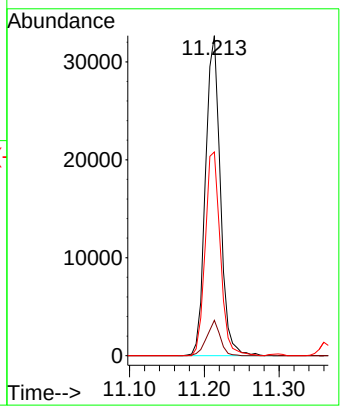


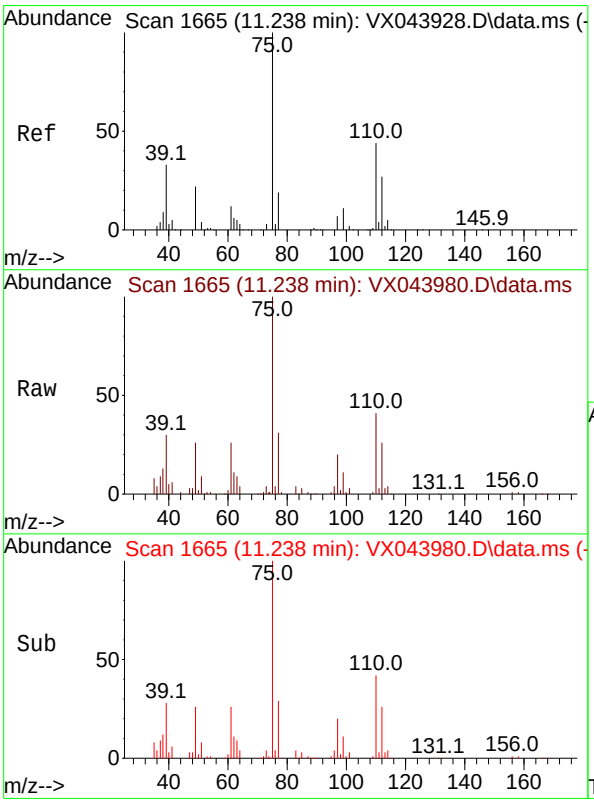
#75
1,1,2,2-Tetrachloroethane
Concen: 19.121 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 83 Resp: 45016

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	64.8	32.2	96.6

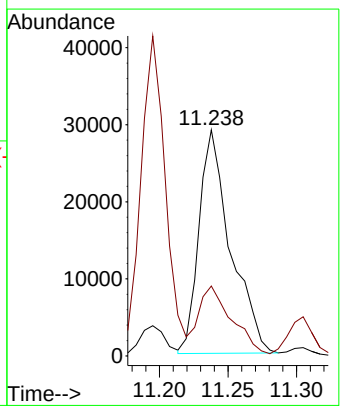


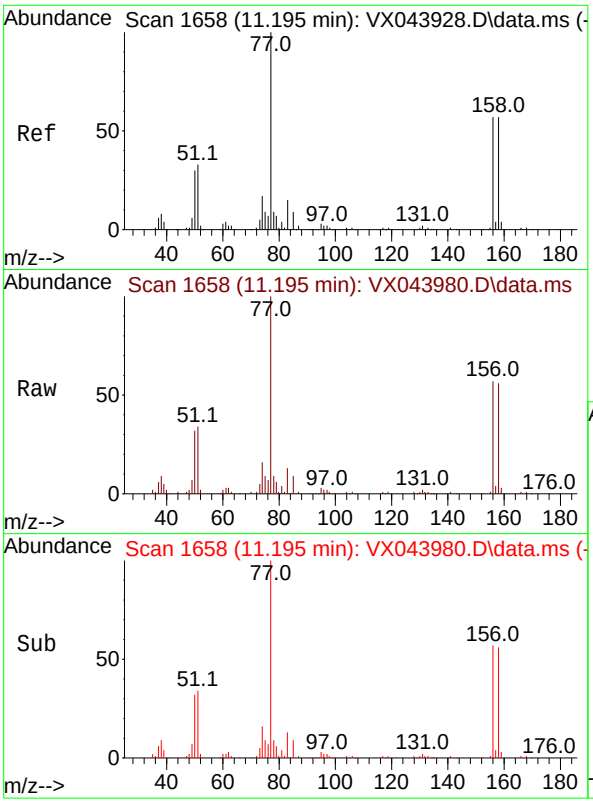


#76
1,2,3-Trichloropropane
Concen: 23.723 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 46534

Ion	Ratio	Lower	Upper
75	100		
77	33.2	21.8	65.3



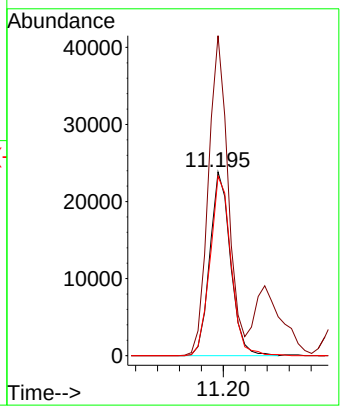


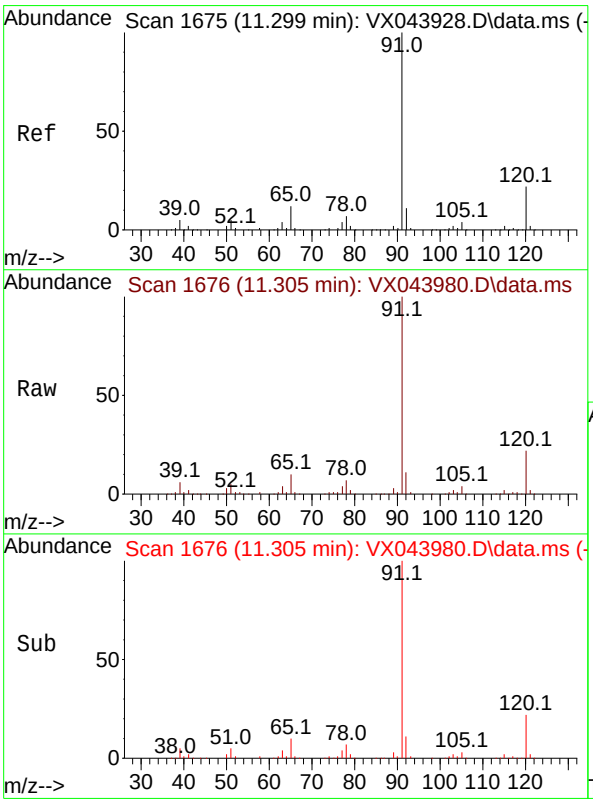
#77
Bromobenzene
Concen: 18.980 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:156 Resp: 31131

Ion	Ratio	Lower	Upper
156	100		
77	167.2	83.4	250.1
158	99.3	47.6	142.8

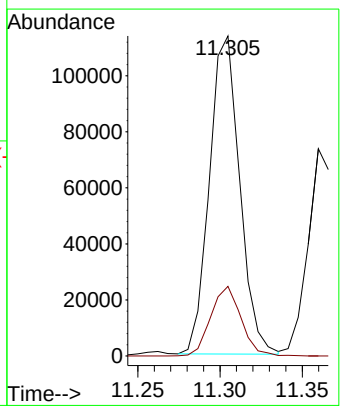


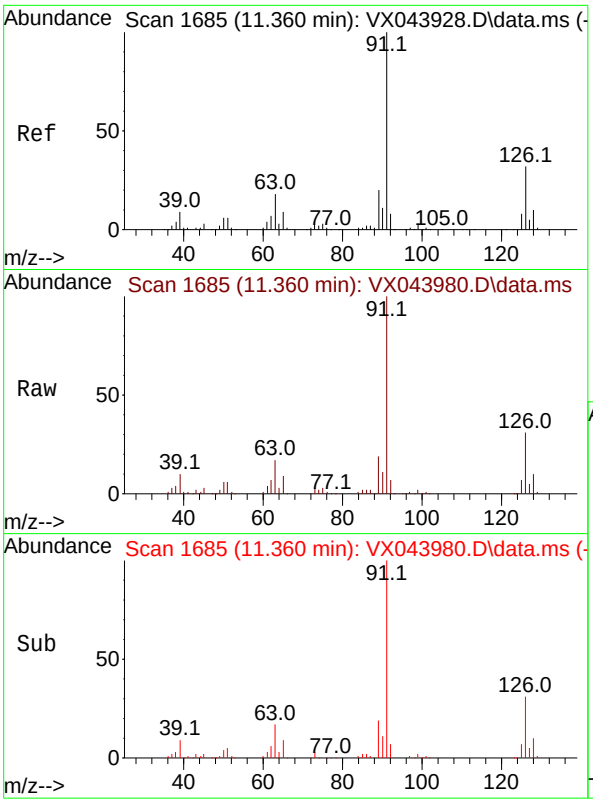


#78
n-propylbenzene
Concen: 18.970 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 145673

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4



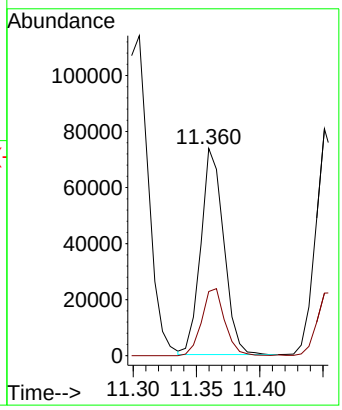


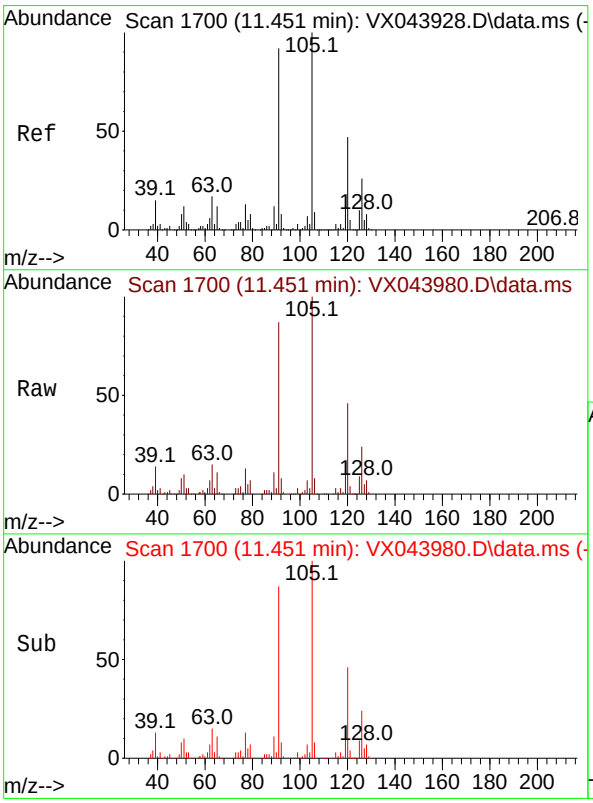
#79
2-Chlorotoluene
Concen: 19.116 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 91 Resp: 92824

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8

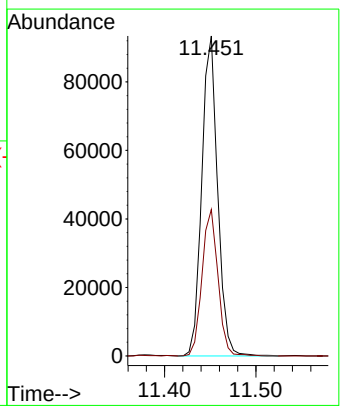


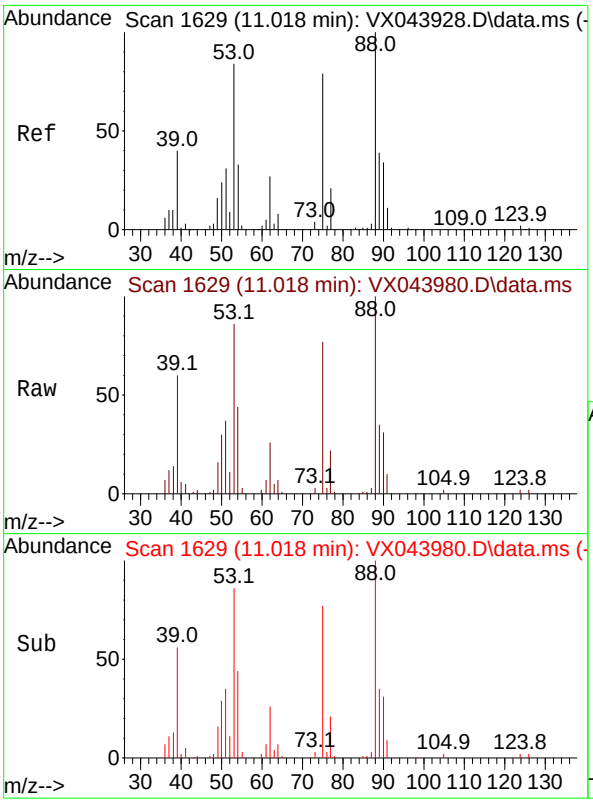


#80
1,3,5-Trimethylbenzene
Concen: 19.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 112233

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.8



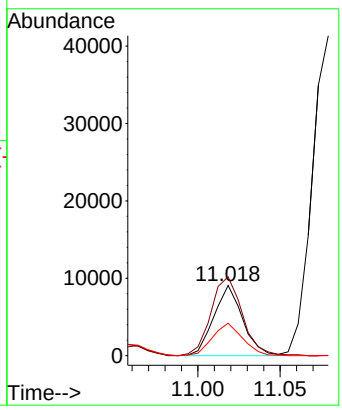


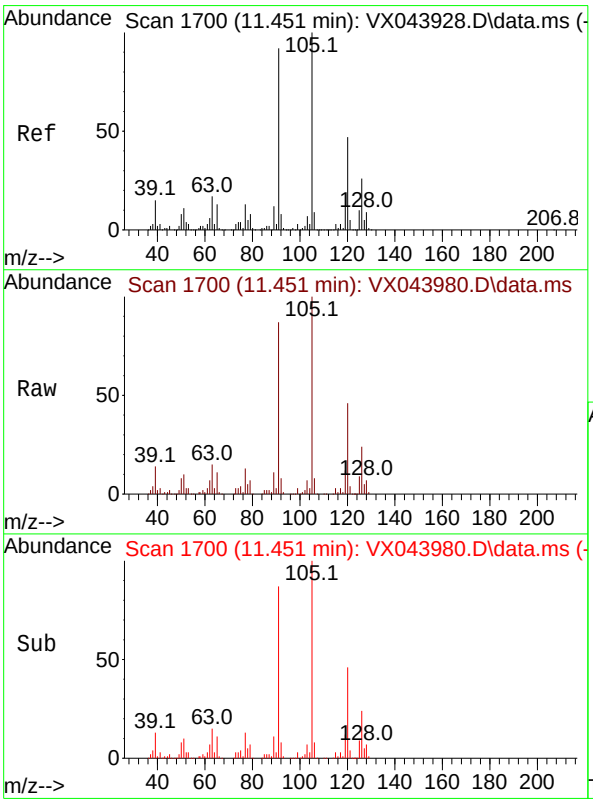
#81
trans-1,4-Dichloro-2-butene
Concen: 15.407 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 75 Resp: 11075

Ion	Ratio	Lower	Upper
75	100		
53	122.3	86.7	130.1
89	48.2	38.2	57.2

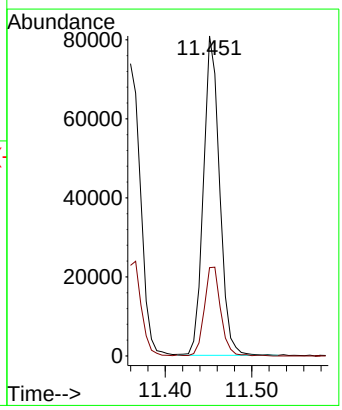


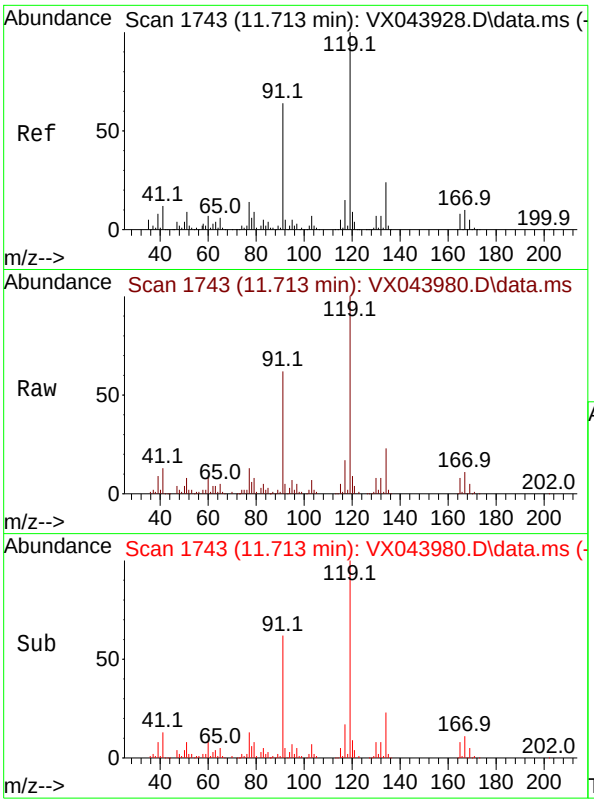


#82
4-Chlorotoluene
Concen: 19.100 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 104709

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9



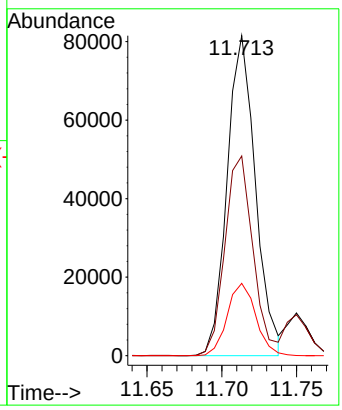


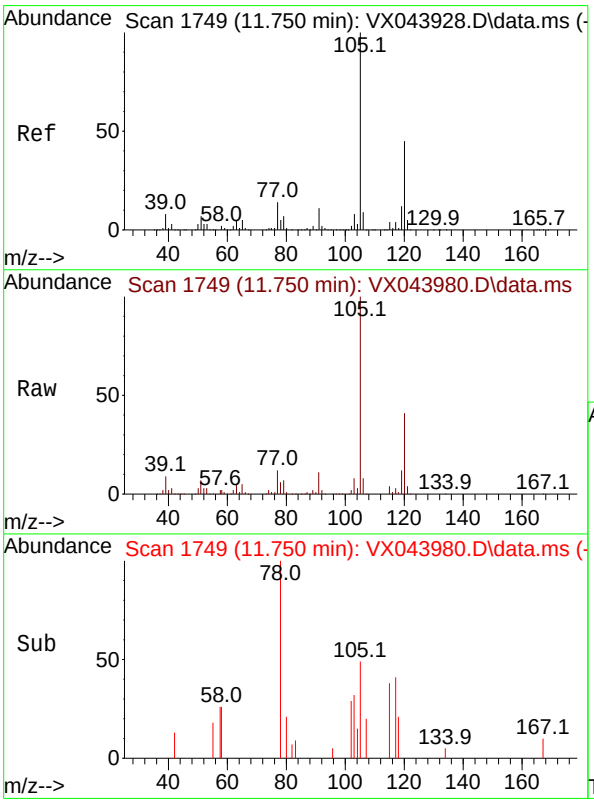
#83
tert-Butylbenzene
Concen: 19.150 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:119 Resp: 107369

Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.0	93.0
134	22.9	11.6	34.8

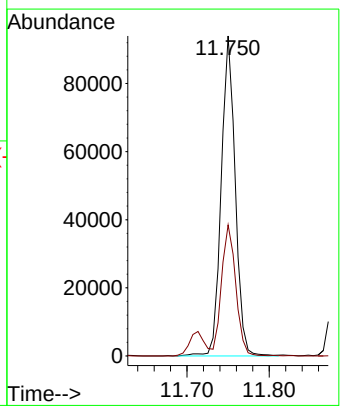


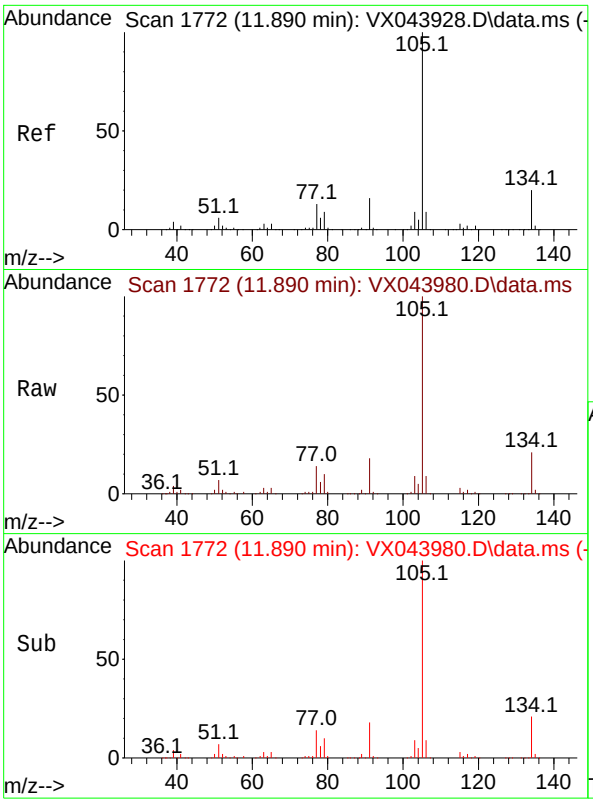


#84
1,2,4-Trimethylbenzene
Concen: 19.806 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 111539

Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.9	65.7



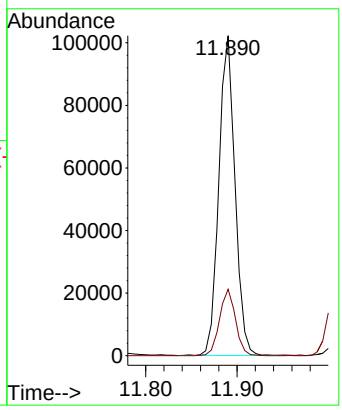


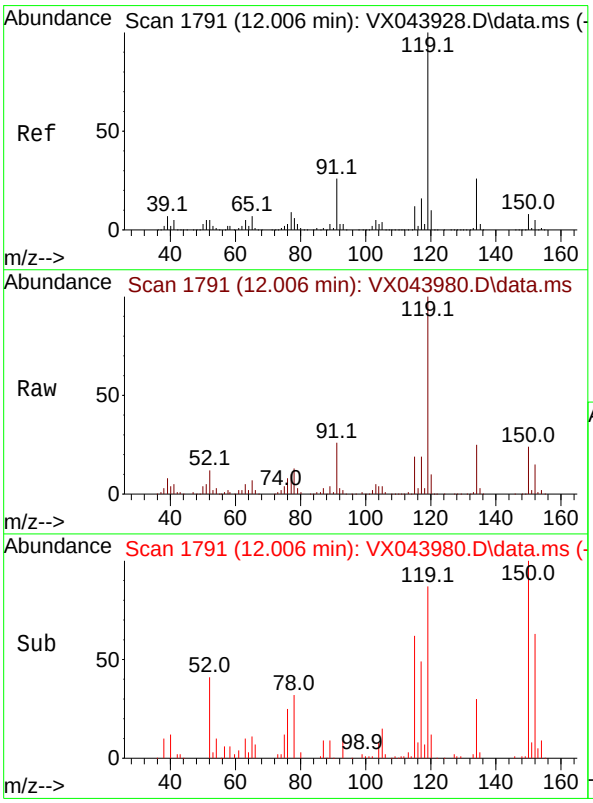
#85
sec-Butylbenzene
Concen: 18.313 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:105 Resp: 125802

Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.7	29.1

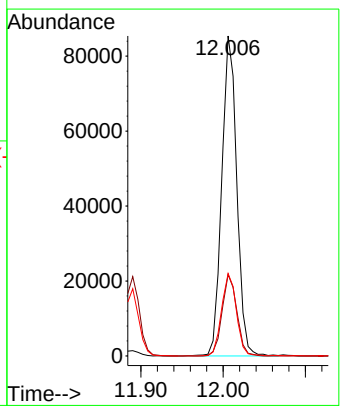


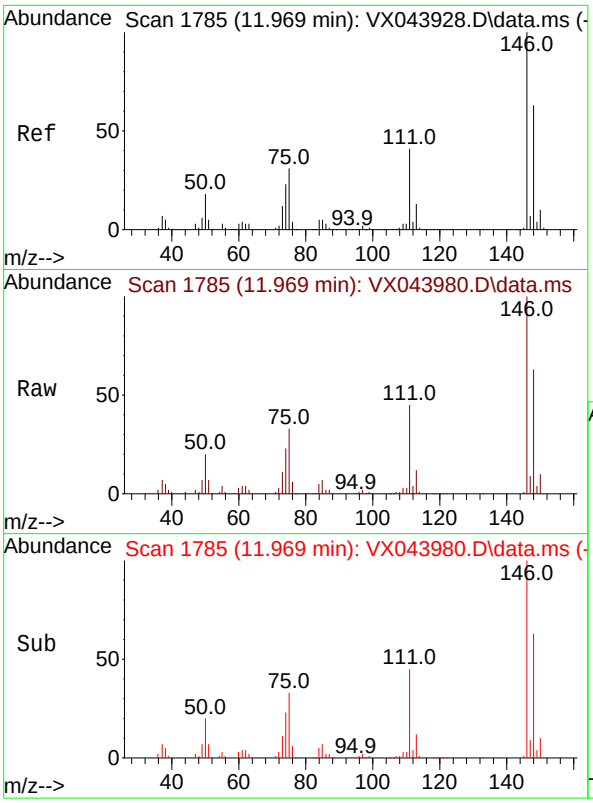


#86
p-Isopropyltoluene
Concen: 19.454 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:119 Resp: 108552

Ion	Ratio	Lower	Upper
119	100		
134	24.9	13.0	38.9
91	25.4	13.0	38.9



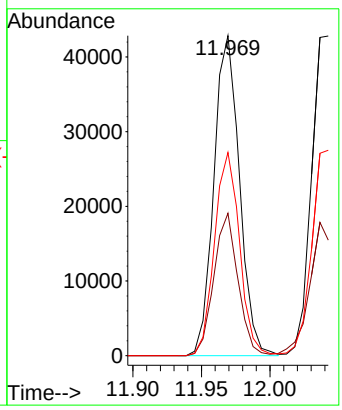


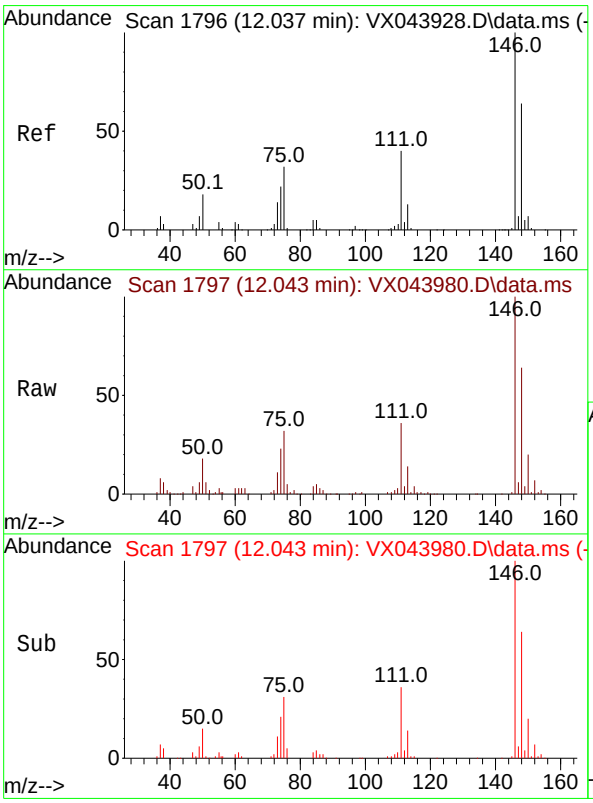
#87
1,3-Dichlorobenzene
Concen: 18.623 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:146 Resp: 55631

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	62.2	31.7	95.1

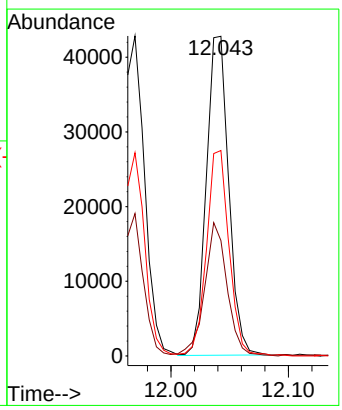


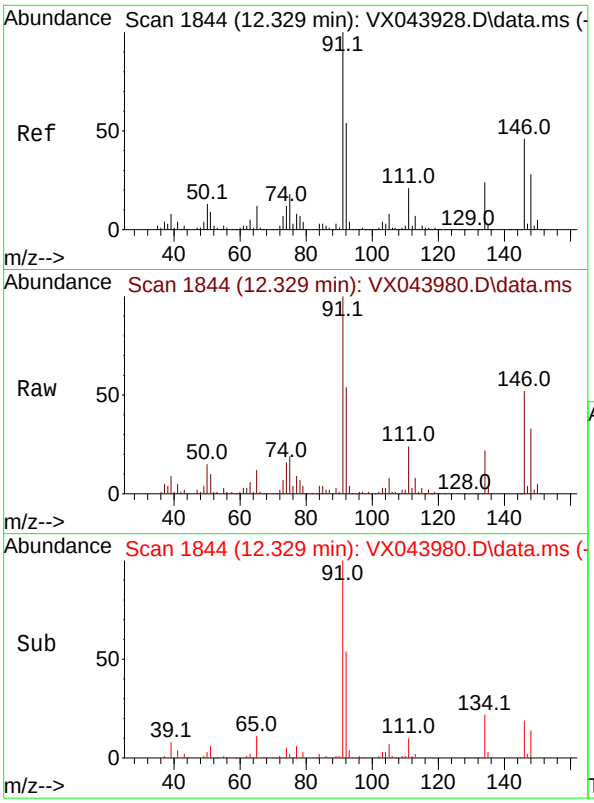


#88
1,4-Dichlorobenzene
Concen: 18.474 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:146 Resp: 56264

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	65.5	30.9	92.8



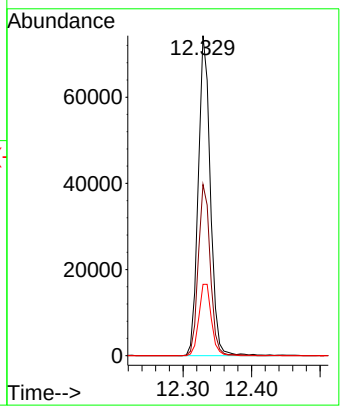


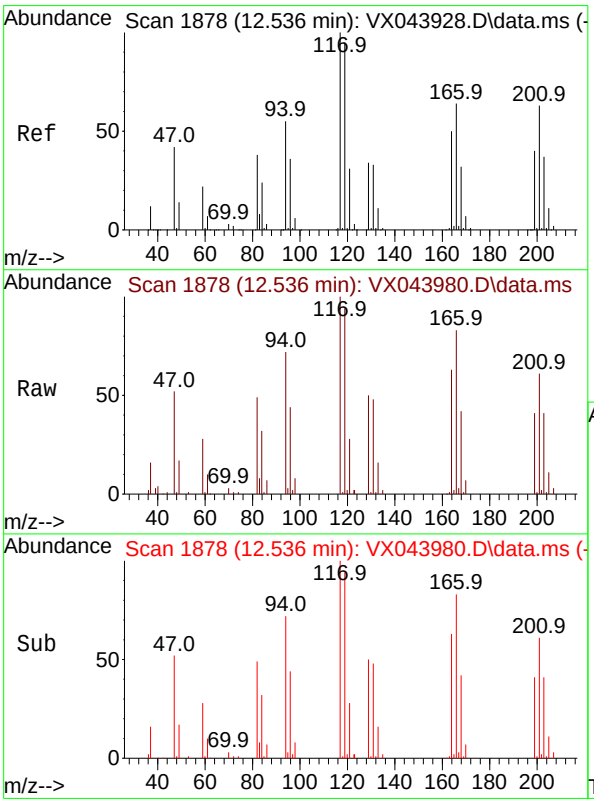
#89
n-Butylbenzene
Concen: 18.588 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion: 91 Resp: 91448

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	23.1	12.4	37.2

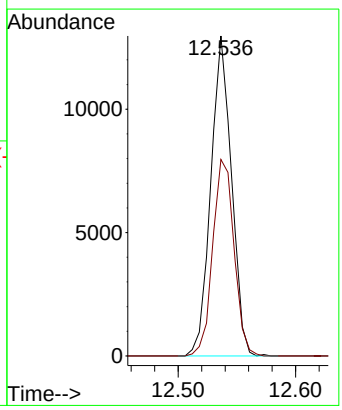


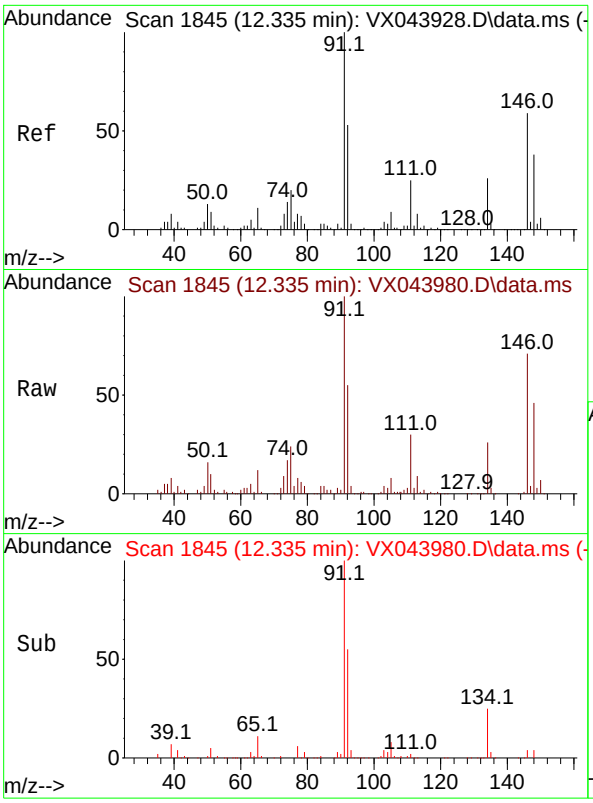


#90
Hexachloroethane
Concen: 16.728 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:117 Resp: 15872

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.4	97.0



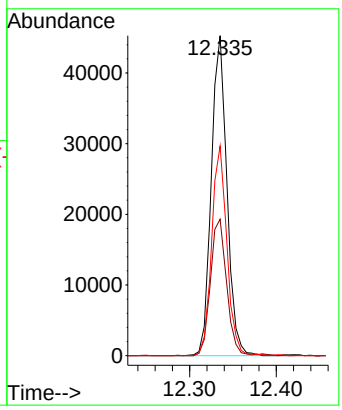


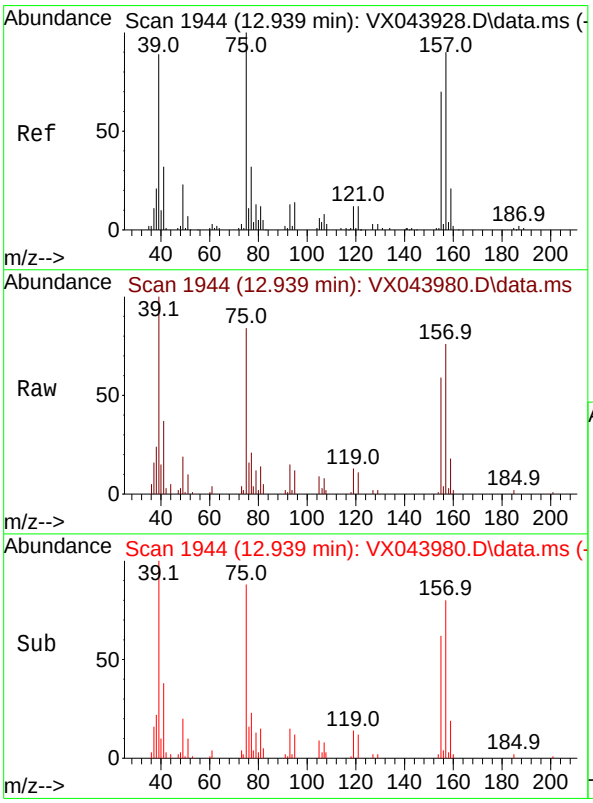
#91
1,2-Dichlorobenzene
Concen: 18.869 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:146 Resp: 56883

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.9	31.9	95.5

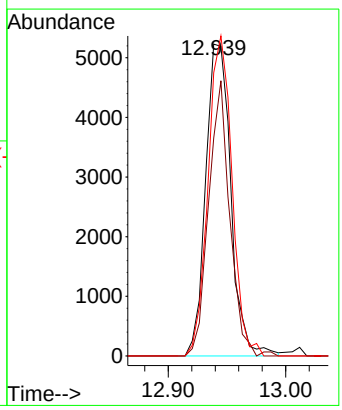


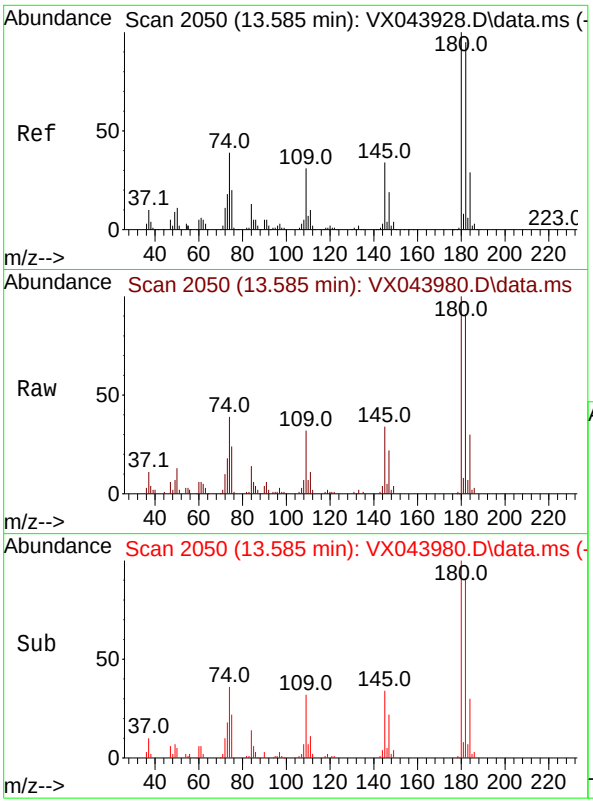


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.475 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 7772

Ion	Ratio	Lower	Upper
75	100		
155	74.4	40.1	120.2
157	97.8	49.6	149.0



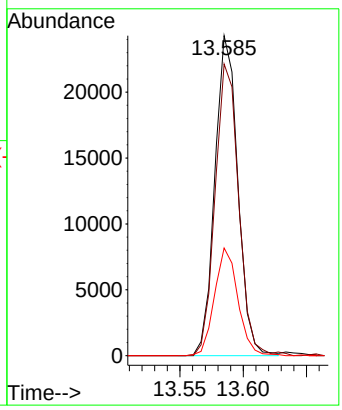


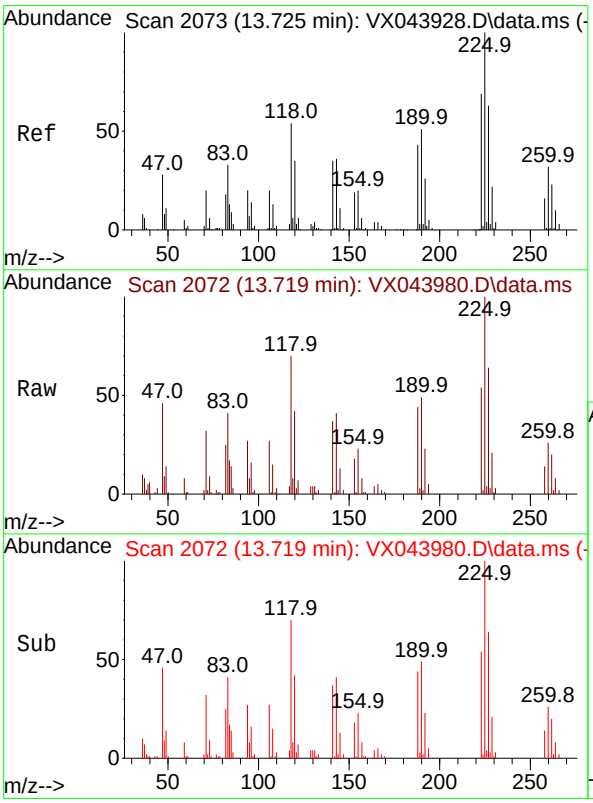
#93
1,2,4-Trichlorobenzene
Concen: 17.225 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:180 Resp: 30614

Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.2
145	34.3	16.8	50.4

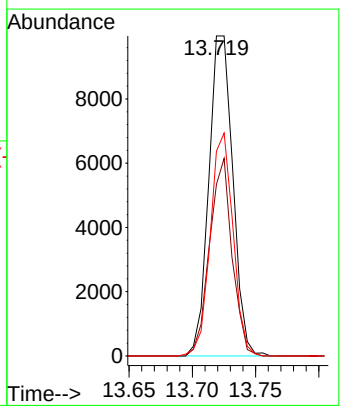


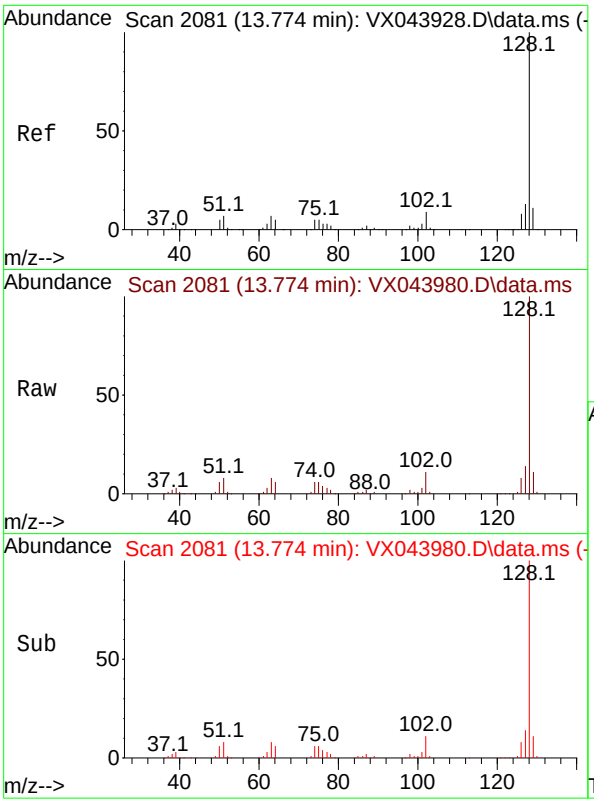


#94
Hexachlorobutadiene
Concen: 18.763 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:225 Resp: 13180

Ion	Ratio	Lower	Upper
225	100		
223	57.5	32.9	98.6
227	65.6	31.6	94.8



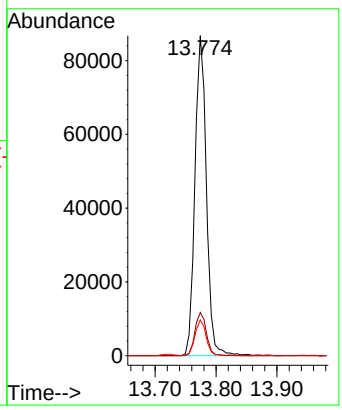


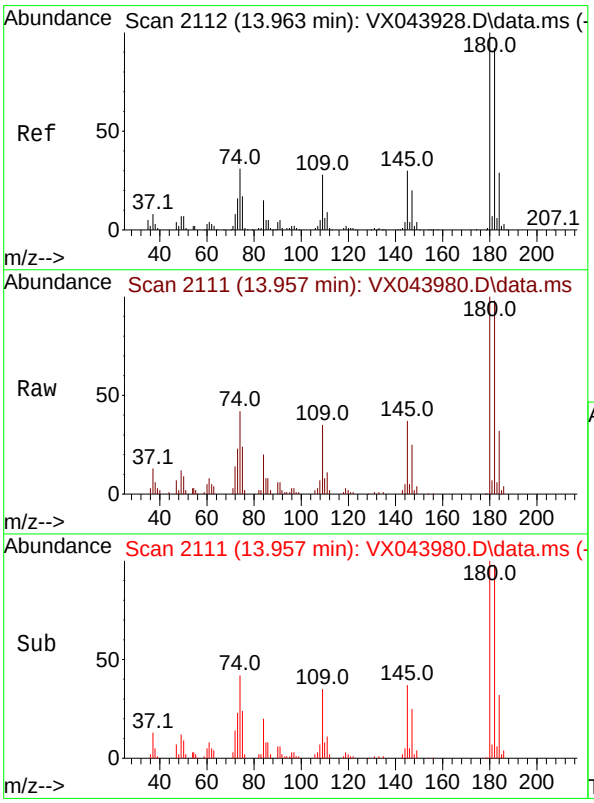
#95
Naphthalene
Concen: 17.718 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Tgt Ion:128 Resp: 113362

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.8	8.6	12.8

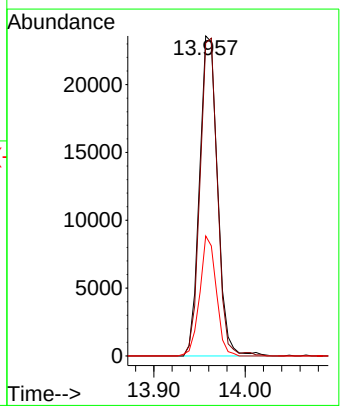




#96
1,2,3-Trichlorobenzene
Concen: 17.867 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043980.D
Acq: 25 Nov 2024 12:41

Tgt Ion:180 Resp: 32142

Ion	Ratio	Lower	Upper
180	100		
182	95.9	45.6	136.8
145	34.4	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108399	49.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.200%			
35) Dibromofluoromethane	5.379	113	80883	49.008	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.020%			
50) Toluene-d8	8.647	98	274647	48.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.560%			
62) 4-Bromofluorobenzene	11.079	95	93312	48.195	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	71081	44.038	ug/l	99
3) Chloromethane	1.294	50	78664	46.313	ug/l	99
4) Vinyl Chloride	1.374	62	80918	44.790	ug/l	100
5) Bromomethane	1.593	94	52450	47.193	ug/l	99
6) Chloroethane	1.660	64	46244	42.008	ug/l	98
7) Trichlorofluoromethane	1.867	101	165837	51.343	ug/l	99
8) Diethyl Ether	2.136	74	55362	47.026	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68534	44.482	ug/l	98
10) Methyl Iodide	2.441	142	91928	47.774	ug/l	98
11) Tert butyl alcohol	3.008	59	75117	214.153	ug/l	100
12) 1,1-Dichloroethene	2.306	96	66473	45.277	ug/l	97
13) Acrolein	2.239	56	81340	220.005	ug/l	100
14) Allyl chloride	2.654	41	111152	46.334	ug/l	96
15) Acrylonitrile	3.068	53	194832	227.931	ug/l	99
16) Acetone	2.386	43	182019	181.348	ug/l	98
17) Carbon Disulfide	2.502	76	123054	40.633	ug/l	98
18) Methyl Acetate	2.703	43	108592	46.459	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	257713	48.344	ug/l	100
20) Methylene Chloride	2.782	84	78049	45.823	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	70242	46.341	ug/l	98
22) Diisopropyl ether	3.763	45	248793	48.501	ug/l	97
23) Vinyl Acetate	3.721	43	1067324	243.229	ug/l	100
24) 1,1-Dichloroethane	3.605	63	143036	48.335	ug/l	99
25) 2-Butanone	4.562	43	280296	216.431	ug/l	99
26) 2,2-Dichloropropane	4.471	77	113002	42.282	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	87798	46.860	ug/l	98
28) Bromochloromethane	4.891	49	60444	46.403	ug/l	94
29) Tetrahydrofuran	5.007	42	178100	224.316	ug/l	99
30) Chloroform	5.093	83	154278	48.472	ug/l	97
31) Cyclohexane	5.458	56	110406	45.330	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	136540	49.746	ug/l	99
36) 1,1-Dichloropropene	5.684	75	97191	47.258	ug/l	98
37) Ethyl Acetate	4.721	43	112998	44.263	ug/l	98
38) Carbon Tetrachloride	5.666	117	107711	46.611	ug/l	99
39) Methylcyclohexane	7.373	83	115415	43.198	ug/l	97
40) Benzene	6.031	78	302293	47.188	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	59772	45.746	ug/l		94
42) 1,2-Dichloroethane	6.080	62	121500	47.224	ug/l		100
43) Isopropyl Acetate	6.342	43	187057	46.041	ug/l		99
44) Trichloroethene	7.117	130	74936	41.321	ug/l		91
45) 1,2-Dichloropropane	7.427	63	75945	48.403	ug/l		100
46) Dibromomethane	7.580	93	60872	49.045	ug/l		99
47) Bromodichloromethane	7.818	83	108968	48.953	ug/l		99
48) Methyl methacrylate	7.690	41	89938	46.134	ug/l		99
49) 1,4-Dioxane	7.671	88	26983	777.017	ug/l		87
51) 4-Methyl-2-Pentanone	8.574	43	577015	232.731	ug/l		100
52) Toluene	8.714	92	184390	48.090	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	106834	47.064	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	116499	46.816	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	73702	46.565	ug/l		97
56) Ethyl methacrylate	9.116	69	119993	48.673	ug/l		99
57) 1,3-Dichloropropane	9.305	76	126279	47.362	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	307827	227.585	ug/l		99
59) 2-Hexanone	9.433	43	425456	228.307	ug/l		100
60) Dibromochloromethane	9.519	129	75667	47.648	ug/l		98
61) 1,2-Dibromoethane	9.610	107	77546	48.453	ug/l		100
64) Tetrachloroethene	9.269	164	61147	47.689	ug/l		96
65) Chlorobenzene	10.079	112	198294	46.431	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68431	49.406	ug/l		98
67) Ethyl Benzene	10.189	91	350901	48.488	ug/l		99
68) m/p-Xylenes	10.299	106	259765	96.253	ug/l		99
69) o-Xylene	10.640	106	130506	49.529	ug/l		98
70) Styrene	10.652	104	215539	49.457	ug/l		99
71) Bromoform	10.799	173	45268	43.484	ug/l	#	98
73) Isopropylbenzene	10.963	105	338668	47.838	ug/l		100
74) N-amyl acetate	10.841	43	162298	49.487	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	114325	47.162	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	121420	60.118	ug/l		84
77) Bromobenzene	11.195	156	79395	47.012	ug/l		98
78) n-propylbenzene	11.305	91	375124	47.443	ug/l		99
79) 2-Chlorotoluene	11.360	91	230455	46.093	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	282567	48.515	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	31367	42.379	ug/l		95
82) 4-Chlorotoluene	11.451	91	266480	47.210	ug/l		100
83) tert-Butylbenzene	11.713	119	279783	48.465	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	281922	48.618	ug/l		100
85) sec-Butylbenzene	11.890	105	336886	47.629	ug/l		99
86) p-Isopropyltoluene	12.006	119	282100	49.100	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	144052	46.833	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	144135	45.963	ug/l		98
89) n-Butylbenzene	12.329	91	241187	47.613	ug/l		100
90) Hexachloroethane	12.536	117	44297	45.341	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	147432	47.496	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22554	46.434	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	83033	45.372	ug/l		97
94) Hexachlorobutadiene	13.719	225	34135	47.196	ug/l		95
95) Naphthalene	13.774	128	317925	48.261	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	89710	48.432	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

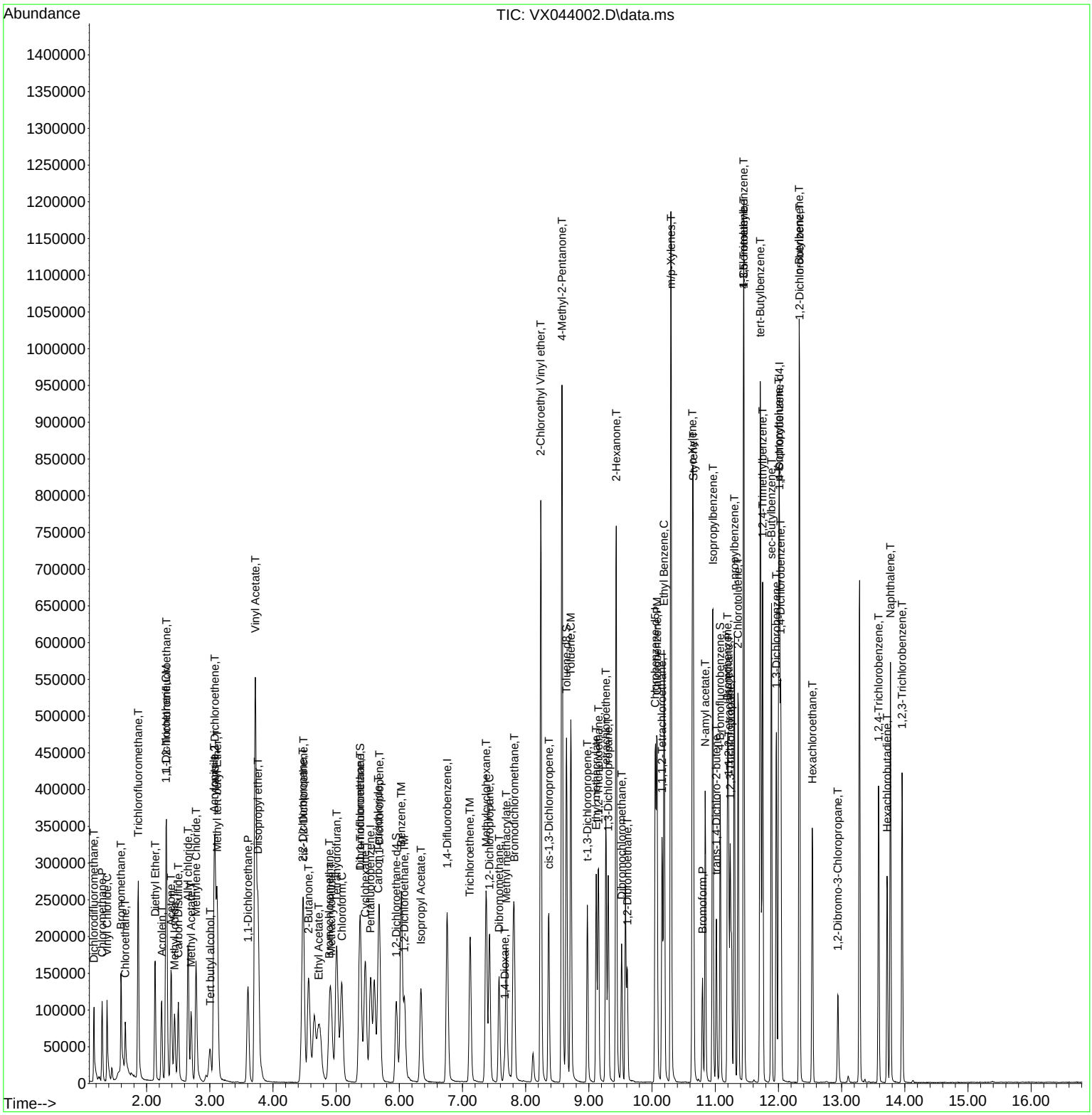
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

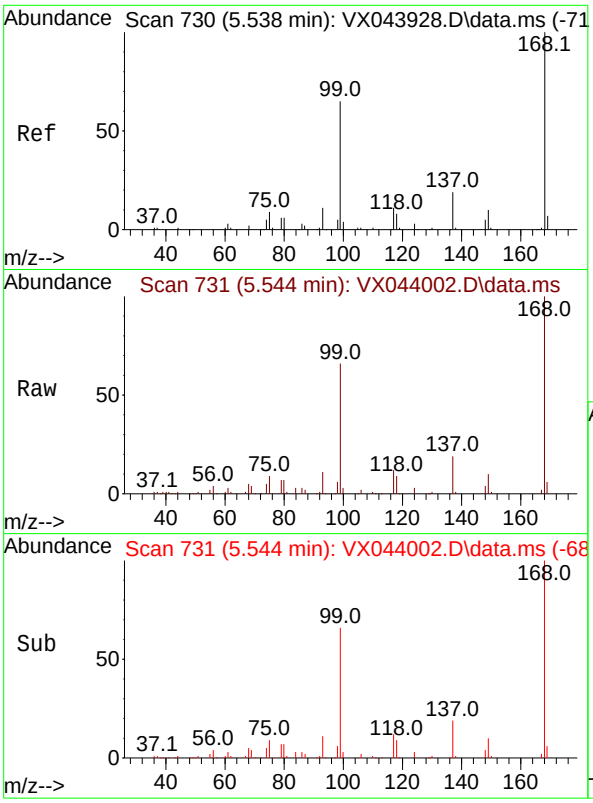
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX044002.D
Acq On : 25 Nov 2024 21:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



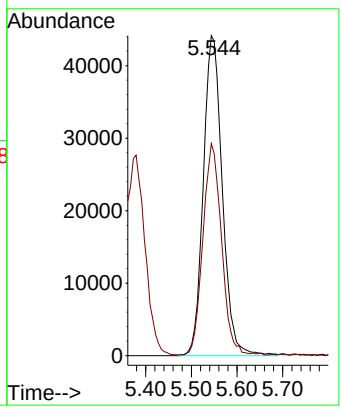


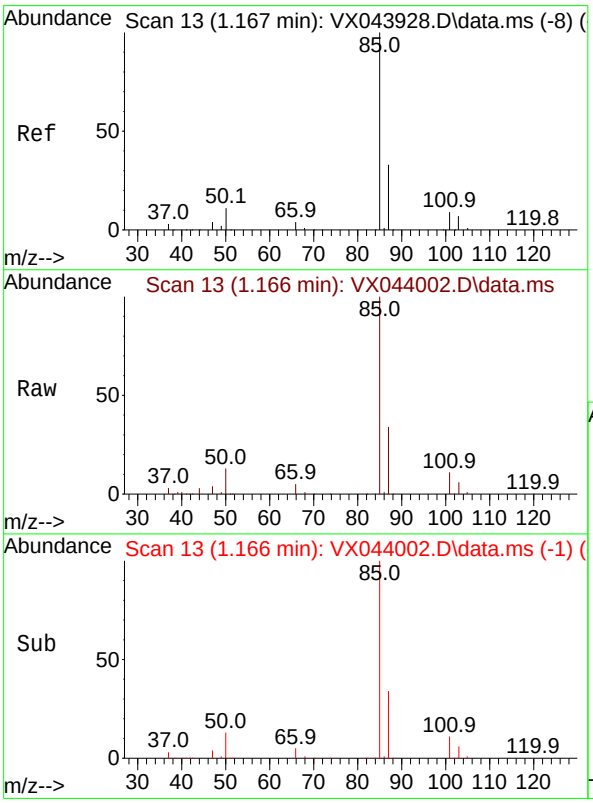
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 127411

Ion	Ratio	Lower	Upper
168	100		
99	66.0	51.8	77.8

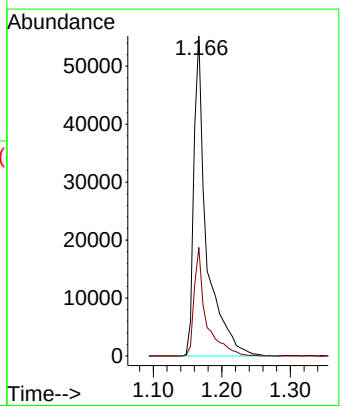


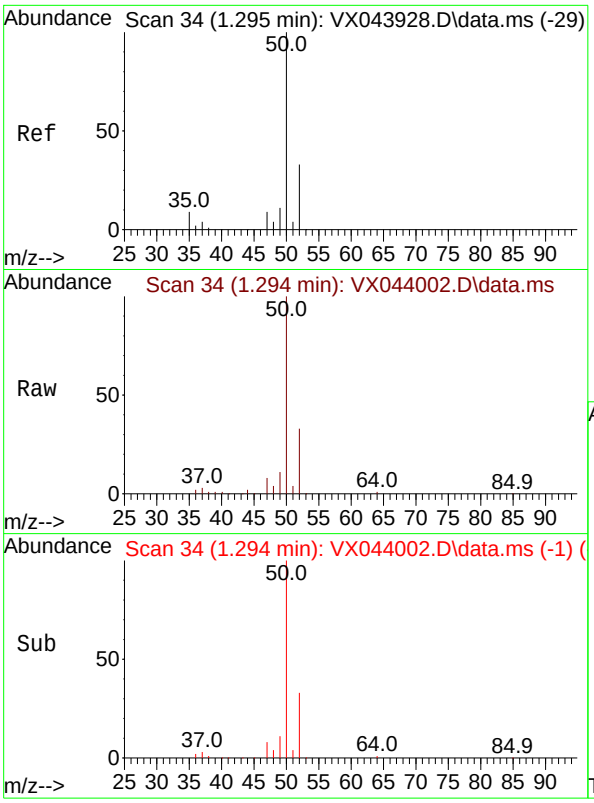


#2
Dichlorodifluoromethane
Concen: 44.038 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 85 Resp: 71081

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.8



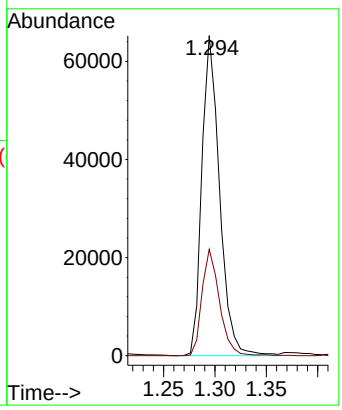


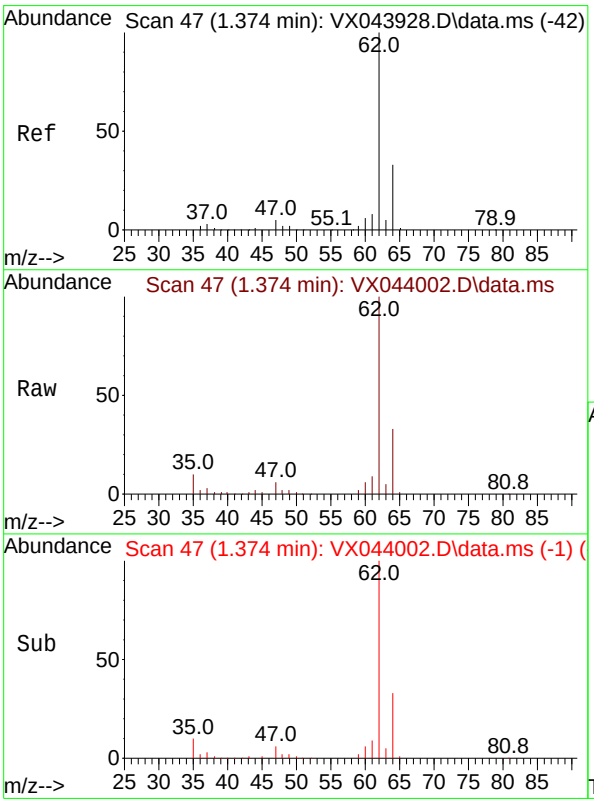
#3
Chloromethane
Concen: 46.313 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 78664

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1

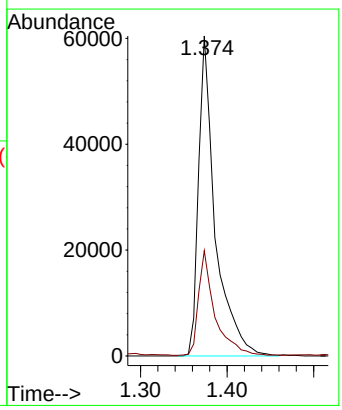


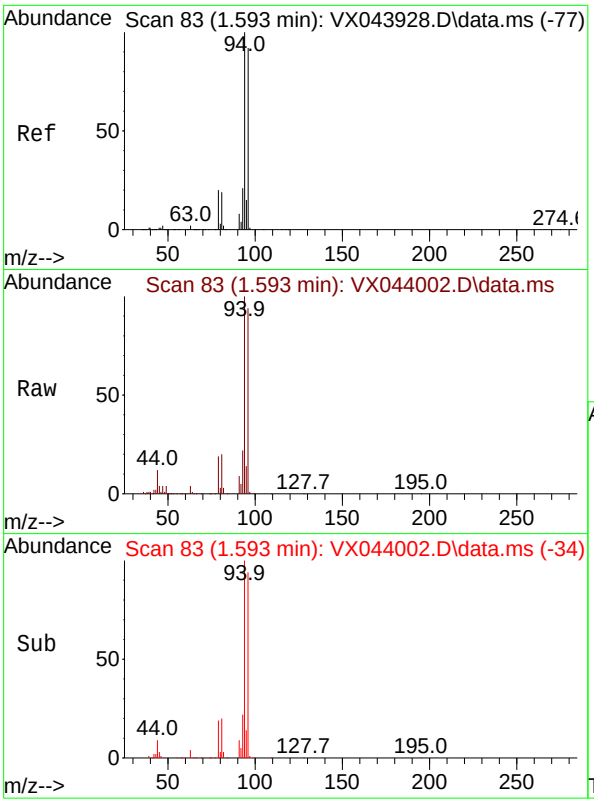


#4
Vinyl Chloride
Concen: 44.790 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 80918

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4



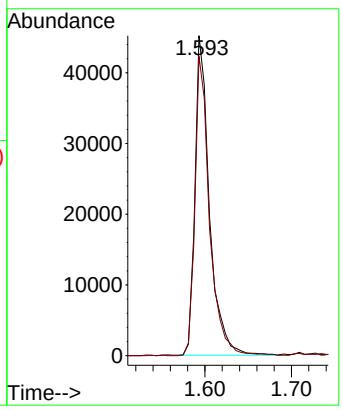


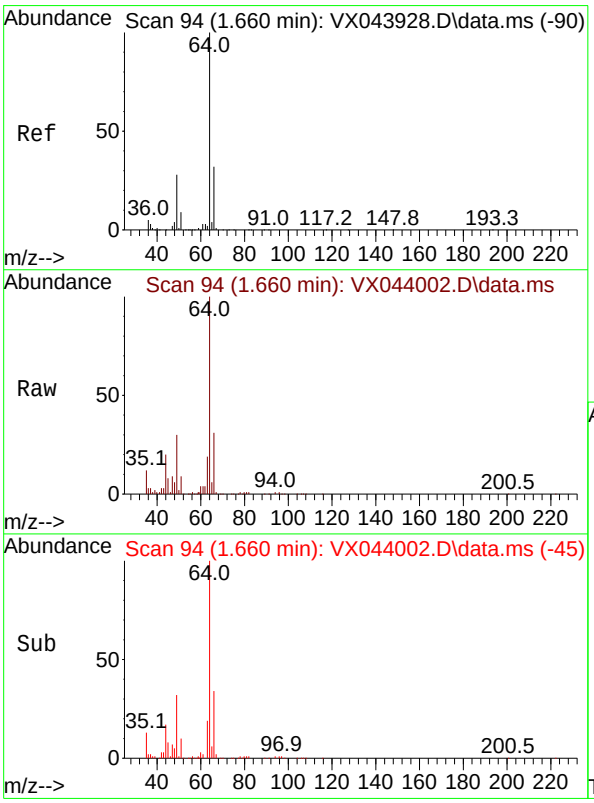
#5
Bromomethane
Concen: 47.193 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 52450

Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.9	110.9

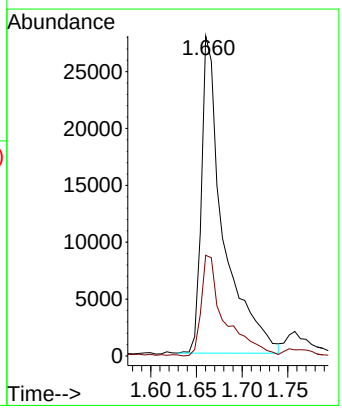


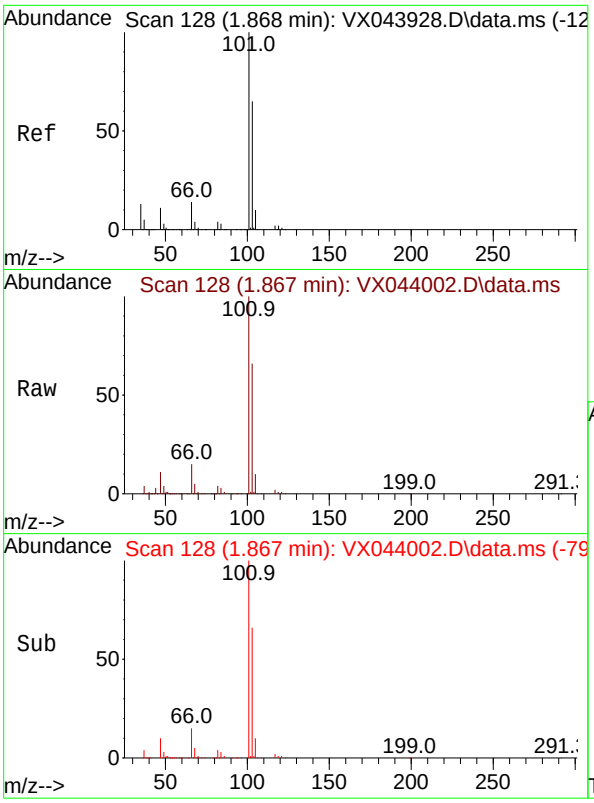


#6
Chloroethane
Concen: 42.008 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 64 Resp: 46244

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.9	38.9



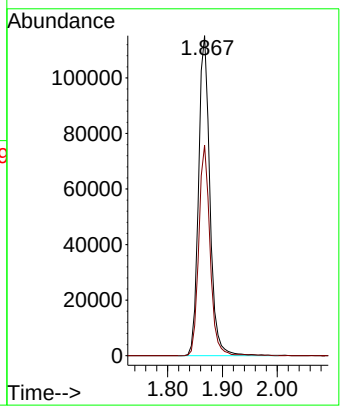


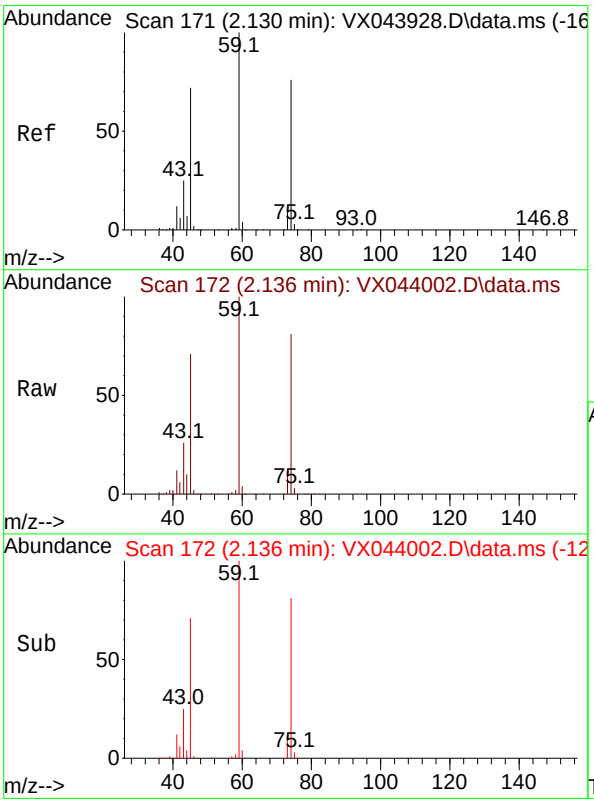
#7
Trichlorofluoromethane
Concen: 51.343 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 165837

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.2	78.2

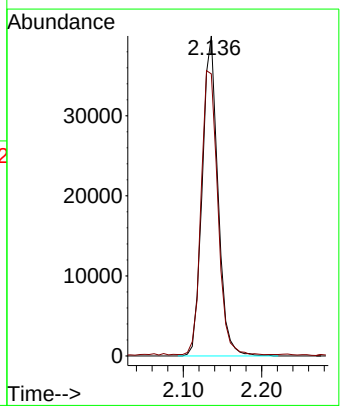


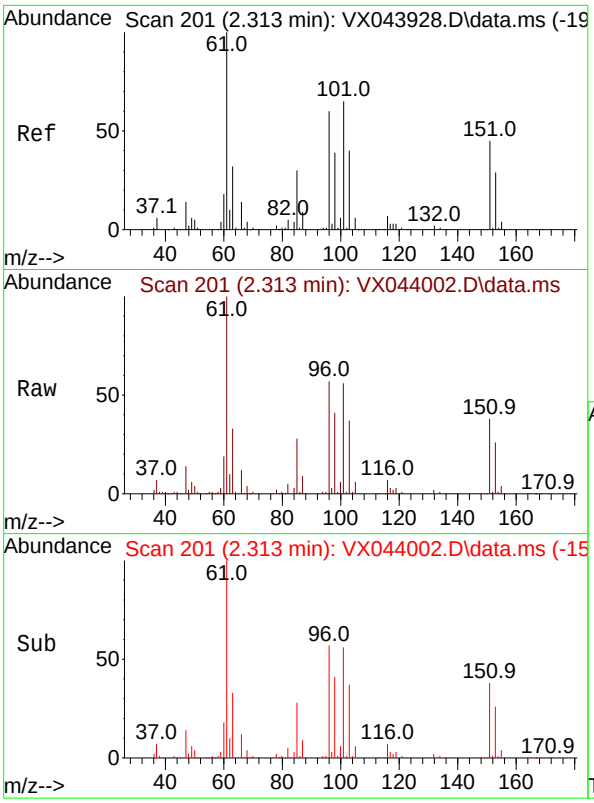


#8
Diethyl Ether
Concen: 47.026 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 74 Resp: 55362

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.6



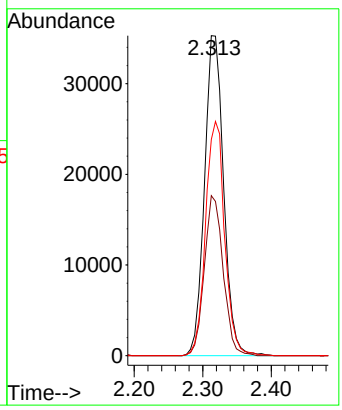


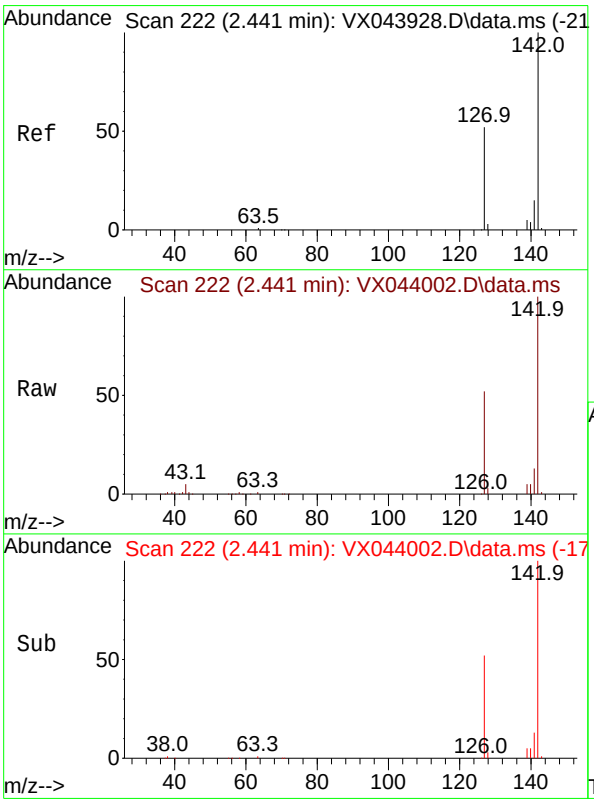
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.482 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 68534

Ion	Ratio	Lower	Upper
101	100		
85	49.3	37.9	56.9
151	73.3	57.5	86.3

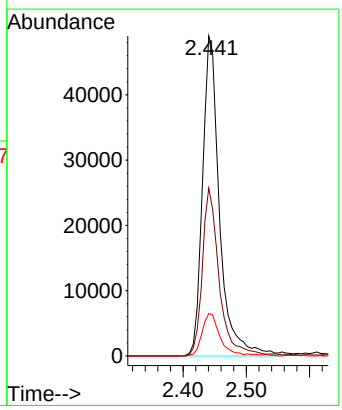


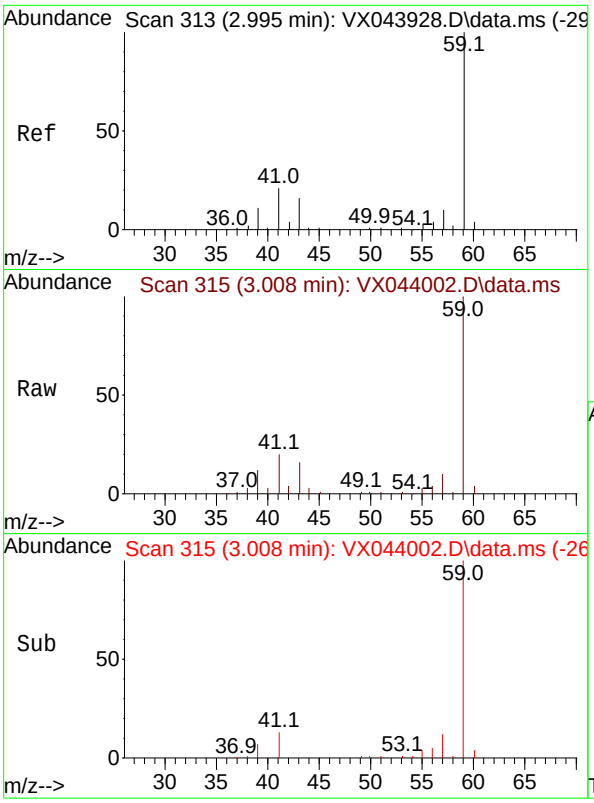


#10
Methyl Iodide
Concen: 47.774 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:142 Resp: 91928

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.7	61.1
141	14.3	12.0	18.0



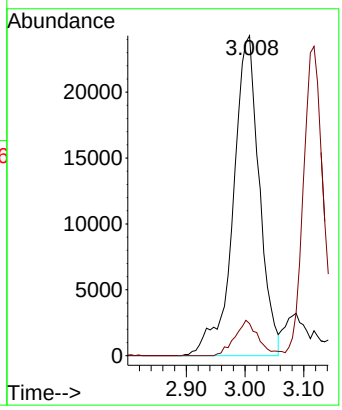


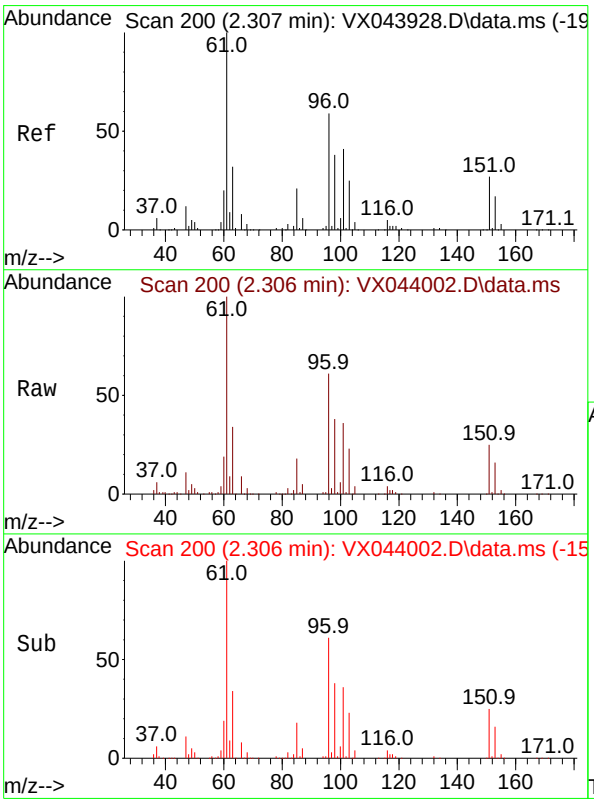
#11
Tert butyl alcohol
Concen: 214.153 ug/l
RT: 3.008 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 75117

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

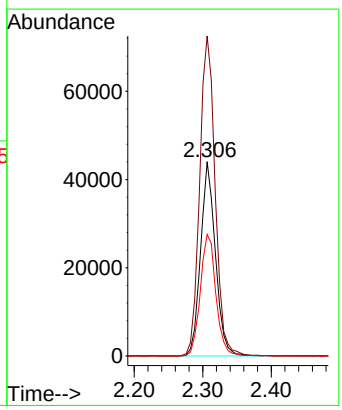


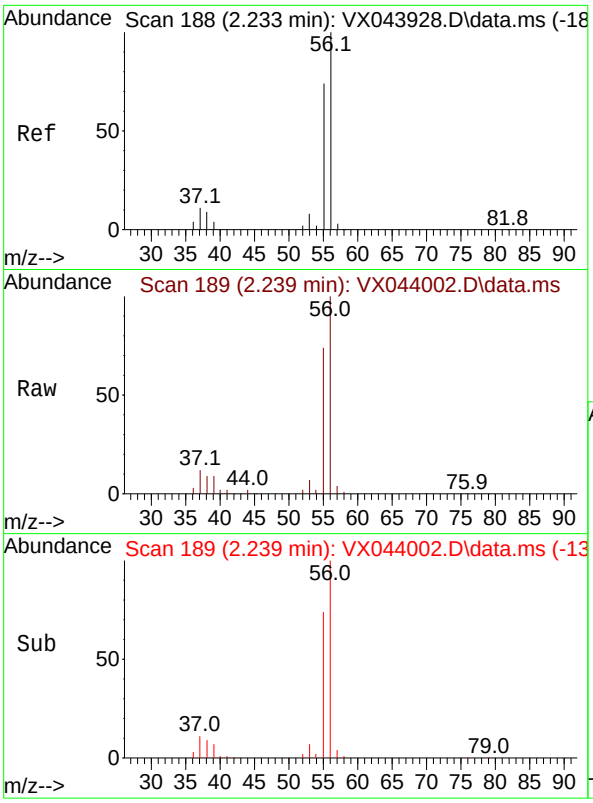


#12
1,1-Dichloroethene
Concen: 45.277 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 66473

Ion	Ratio	Lower	Upper
96	100		
61	164.7	135.5	203.3
98	62.5	50.8	76.2



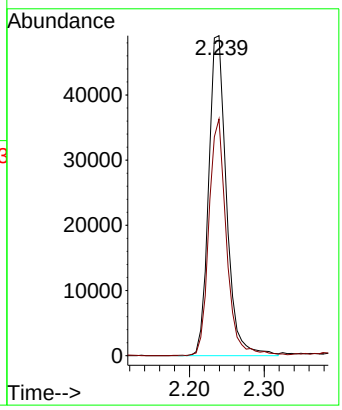


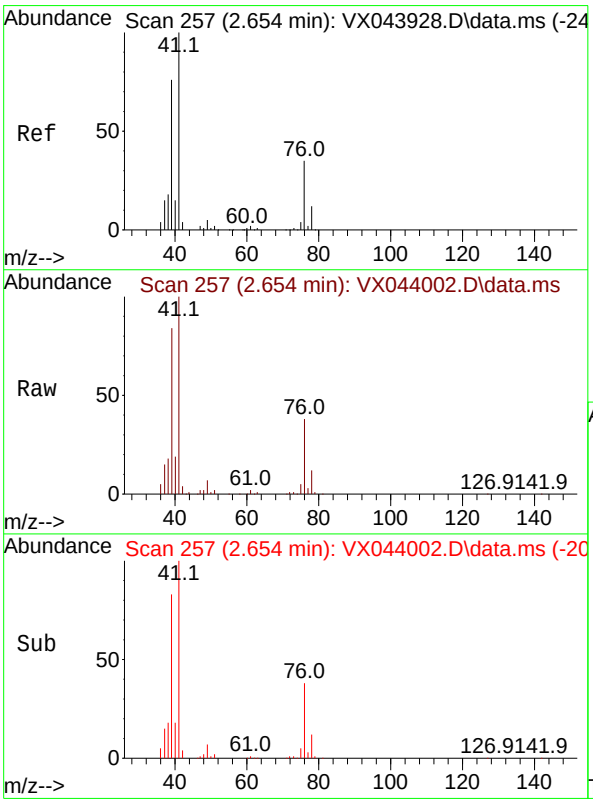
#13
Acrolein
Concen: 220.005 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 81340

Ion	Ratio	Lower	Upper
56	100		
55	72.9	58.2	87.2

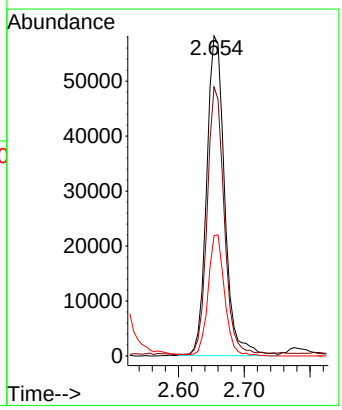


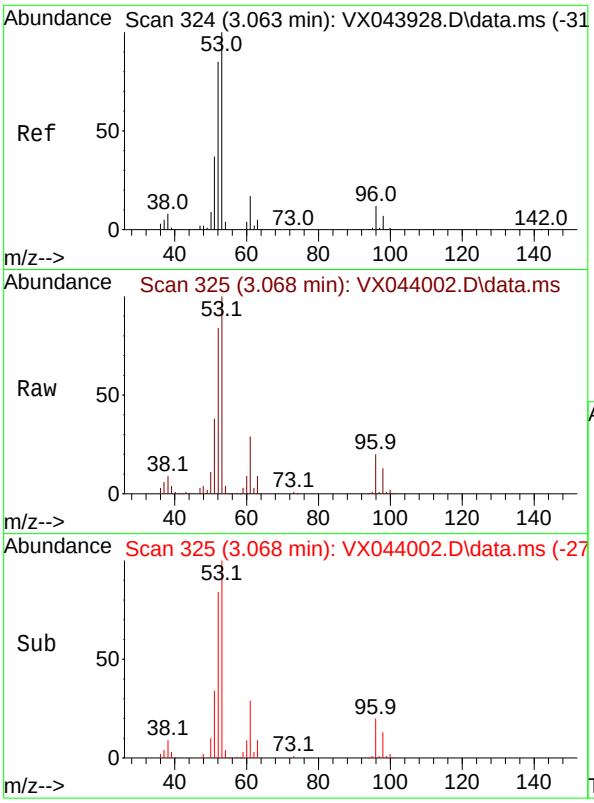


#14
Allyl chloride
Concen: 46.334 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 111152

Ion	Ratio	Lower	Upper
41	100		
39	78.5	59.5	89.3
76	34.7	27.4	41.2



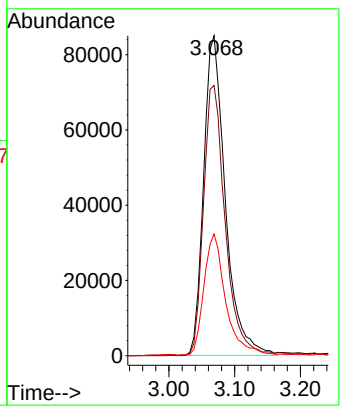


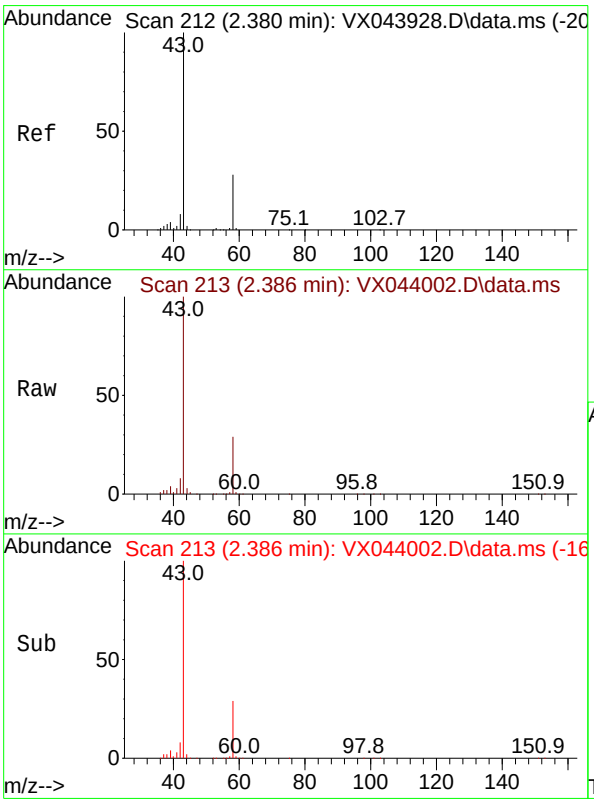
#15
Acrylonitrile
Concen: 227.931 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 194832

Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.5	99.7
51	38.0	30.2	45.4

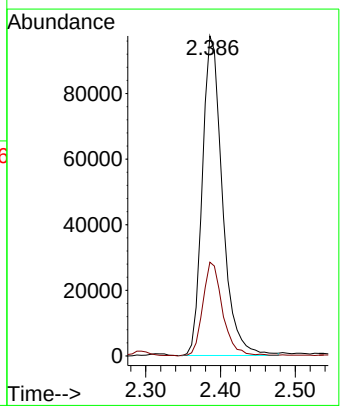


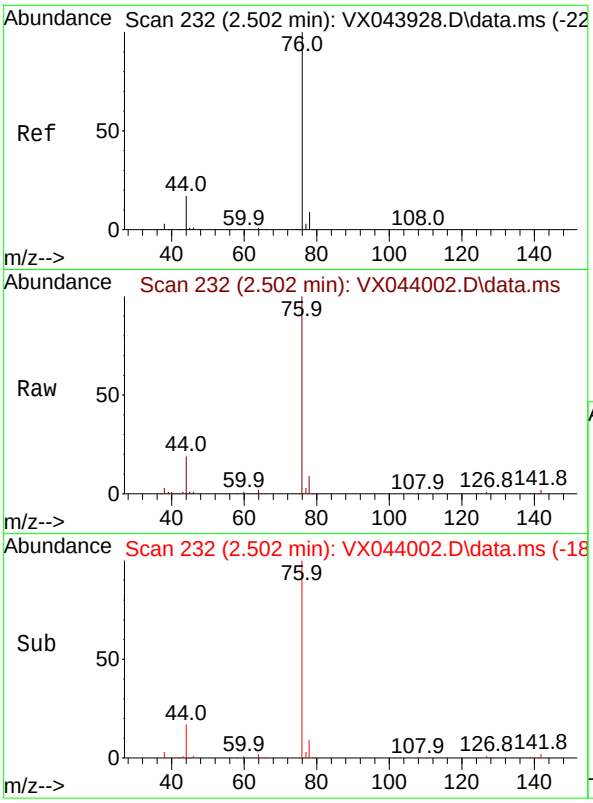


#16
Acetone
Concen: 181.348 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 182019

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.7	34.1



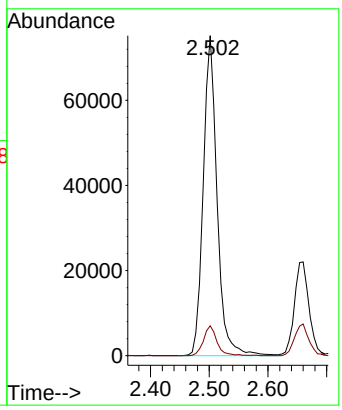


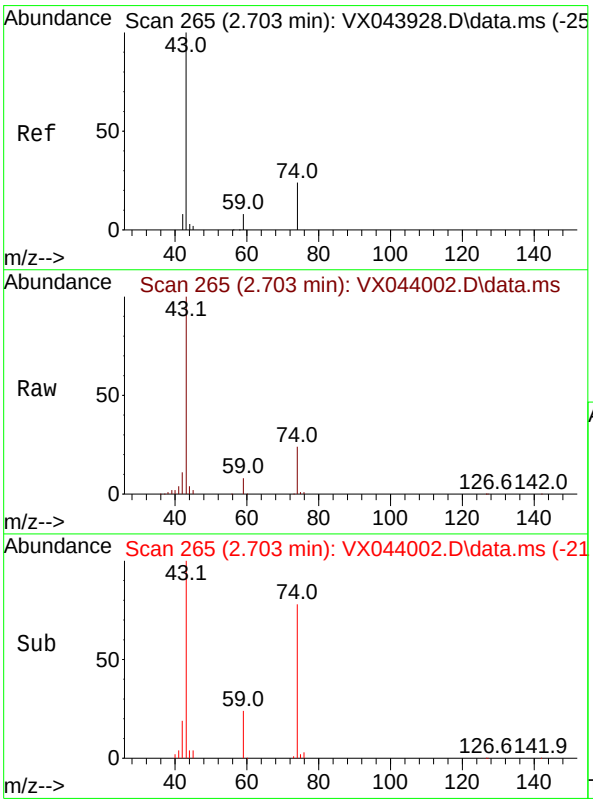
#17
Carbon Disulfide
Concen: 40.633 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 123054

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

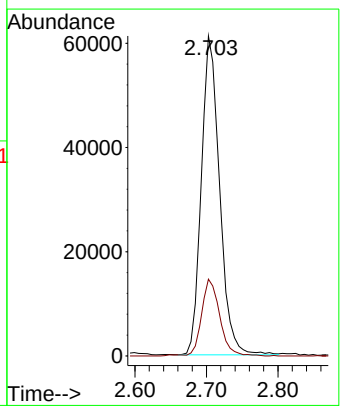


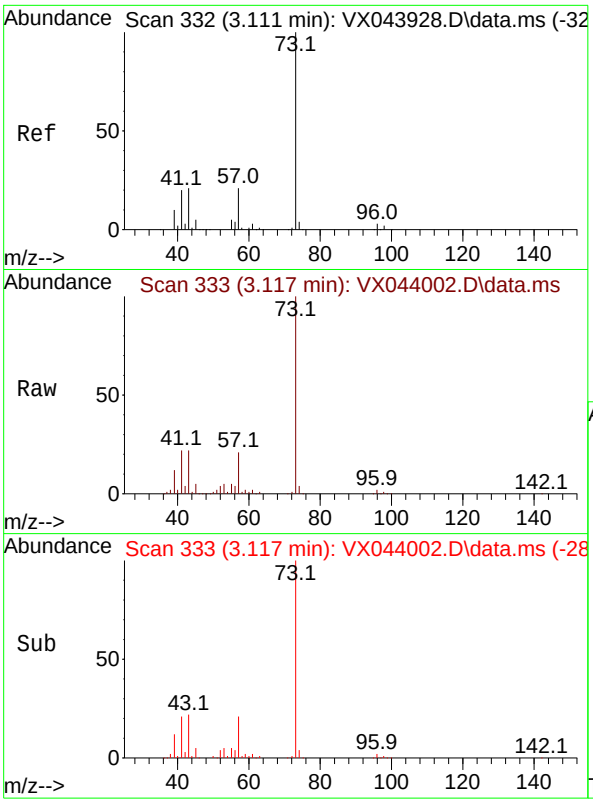


#18
Methyl Acetate
Concen: 46.459 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 108592

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3



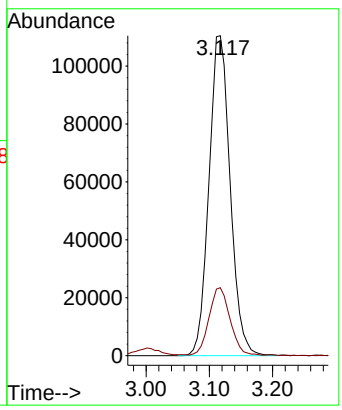


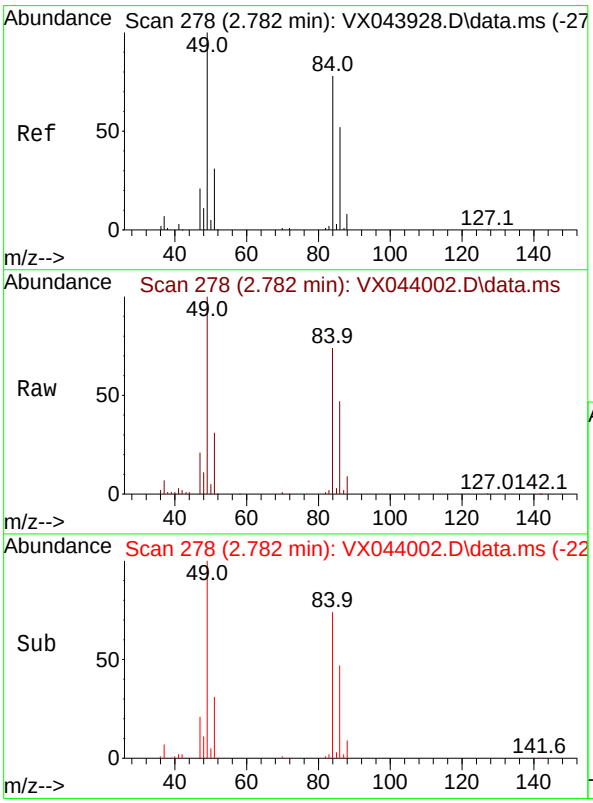
#19
Methyl tert-butyl Ether
Concen: 48.344 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 257713

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6

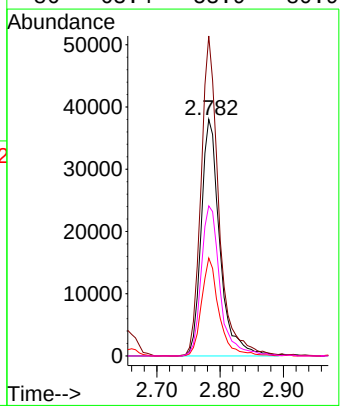


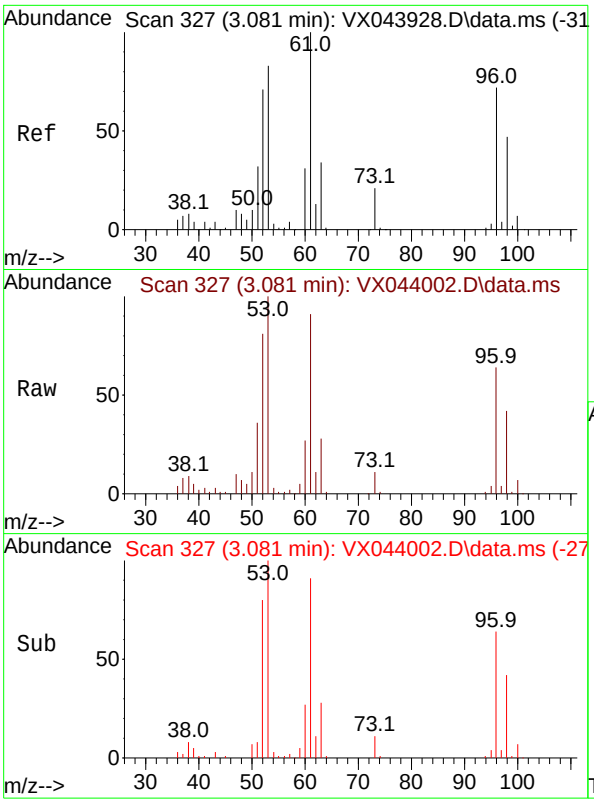


#20
Methylene Chloride
Concen: 45.823 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 84 Resp: 78049

Ion	Ratio	Lower	Upper
84	100		
49	135.2	102.7	154.1
51	41.4	31.7	47.5
86	63.4	53.9	80.9



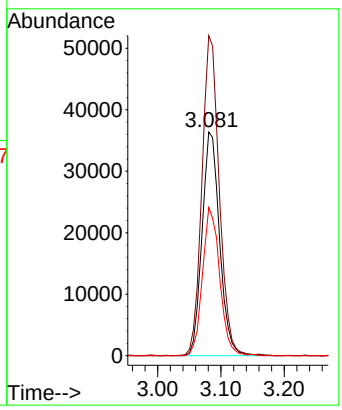


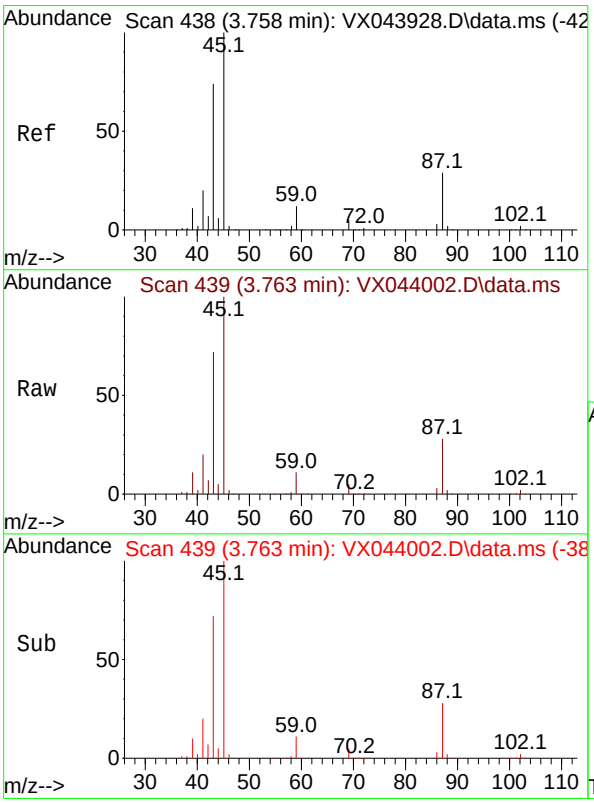
#21
trans-1,2-Dichloroethene
Concen: 46.341 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 70242

Ion	Ratio	Lower	Upper
96	100		
61	143.0	111.8	167.6
98	66.2	52.7	79.1

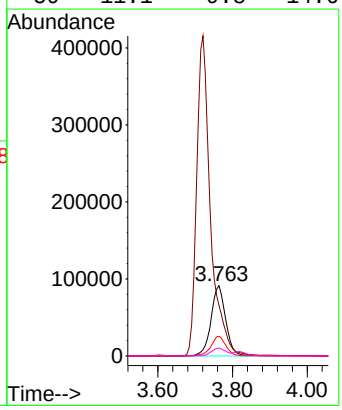


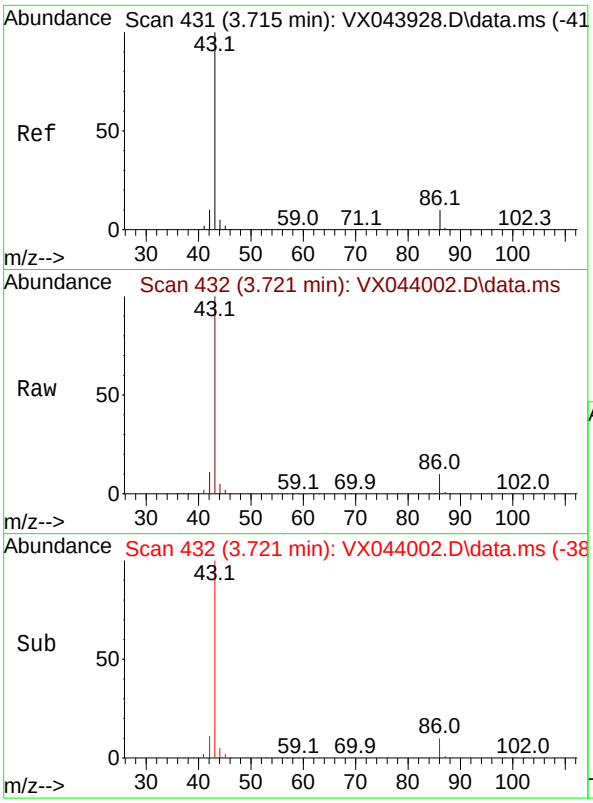


#22
Diisopropyl ether
Concen: 48.501 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 45 Resp: 248793

Ion	Ratio	Lower	Upper
45	100		
43	71.6	59.6	89.4
87	27.9	22.9	34.3
59	11.1	9.8	14.6



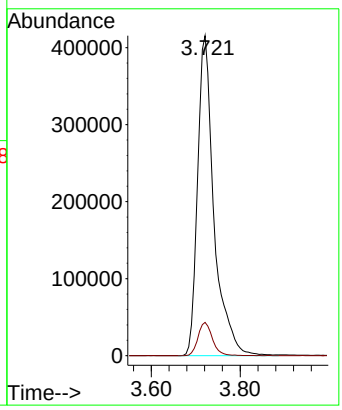


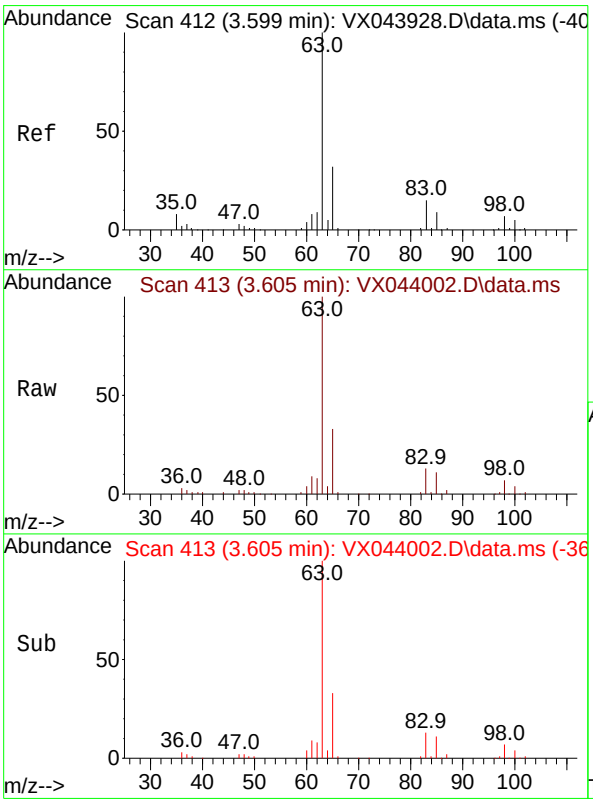
#23
Vinyl Acetate
Concen: 243.229 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1067324

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

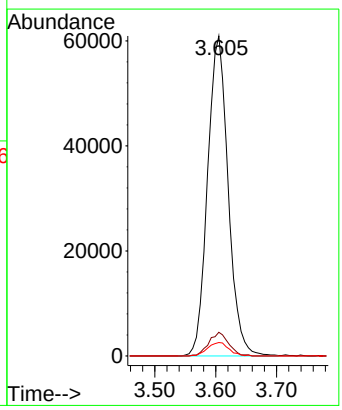


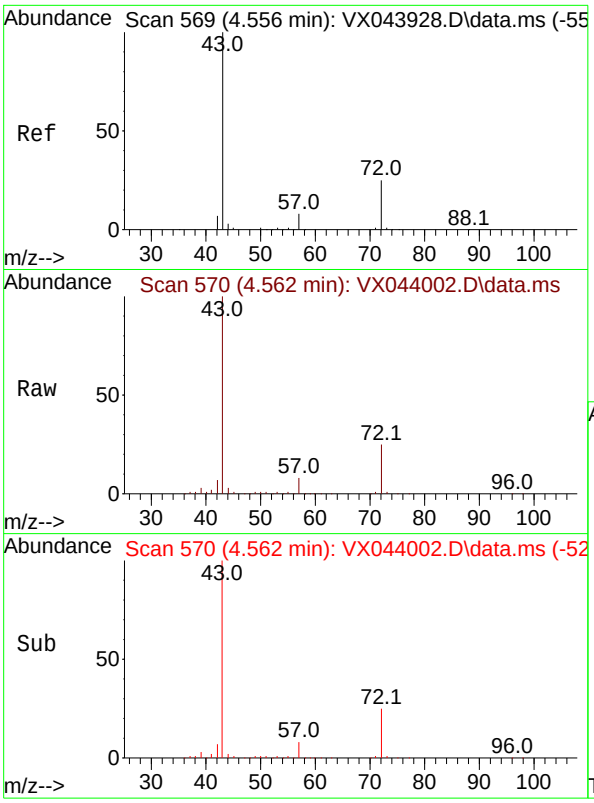


#24
1,1-Dichloroethane
Concen: 48.335 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 143036

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.2	2.4	7.1



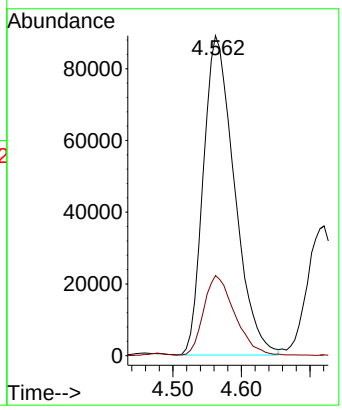


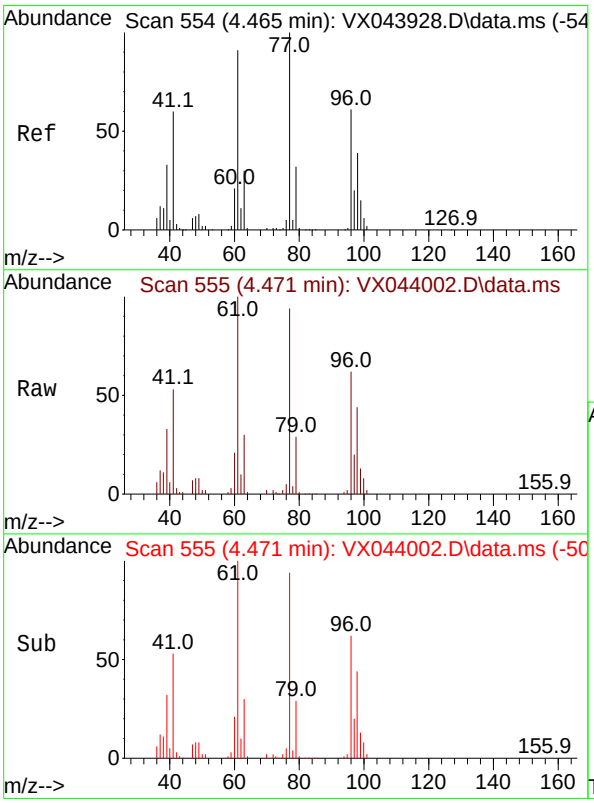
#25
2-Butanone
Concen: 216.431 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 280296

Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.2	30.2

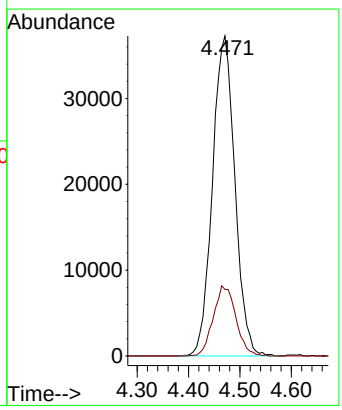


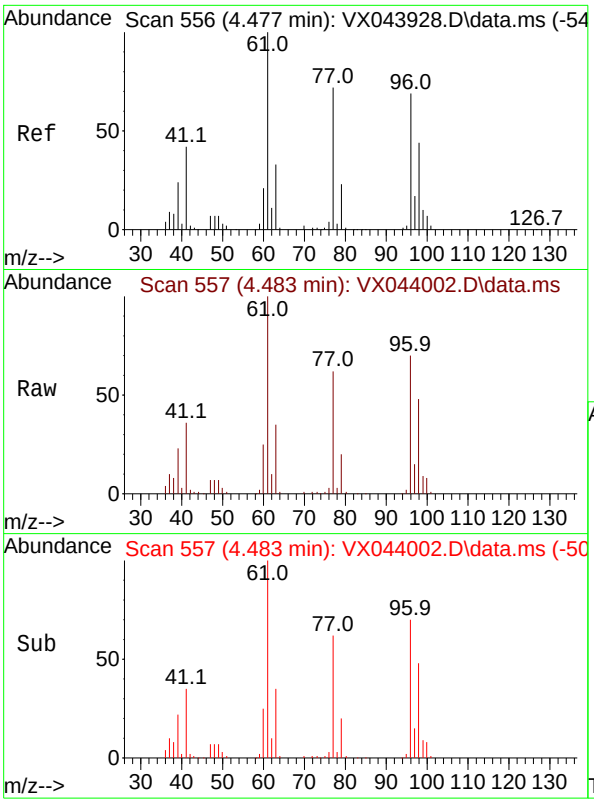


#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 77 Resp: 113002

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



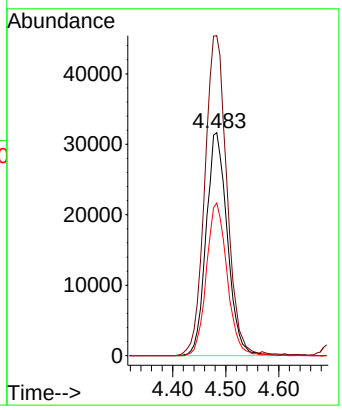


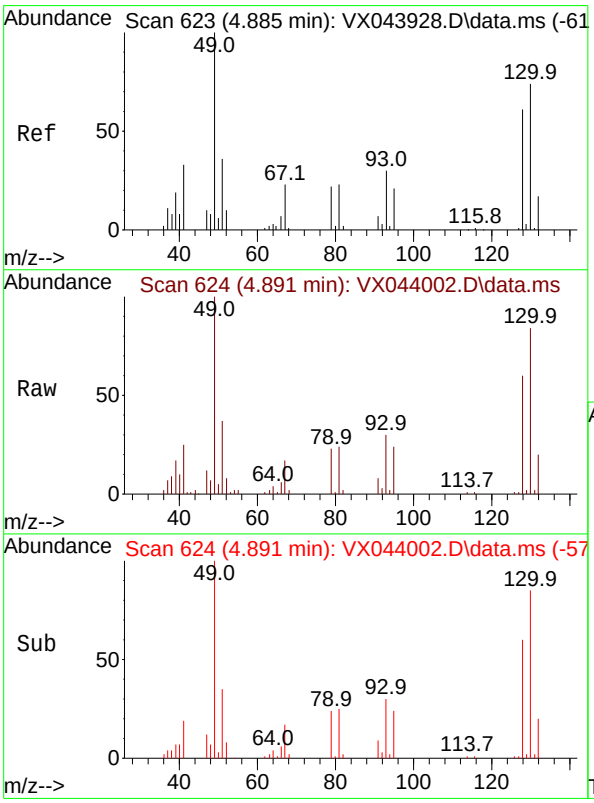
#27
cis-1,2-Dichloroethene
Concen: 46.860 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 87798

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.4
98	66.9	0.0	127.8

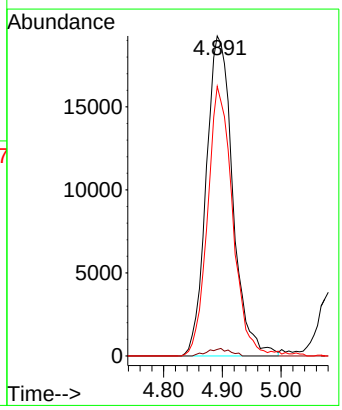


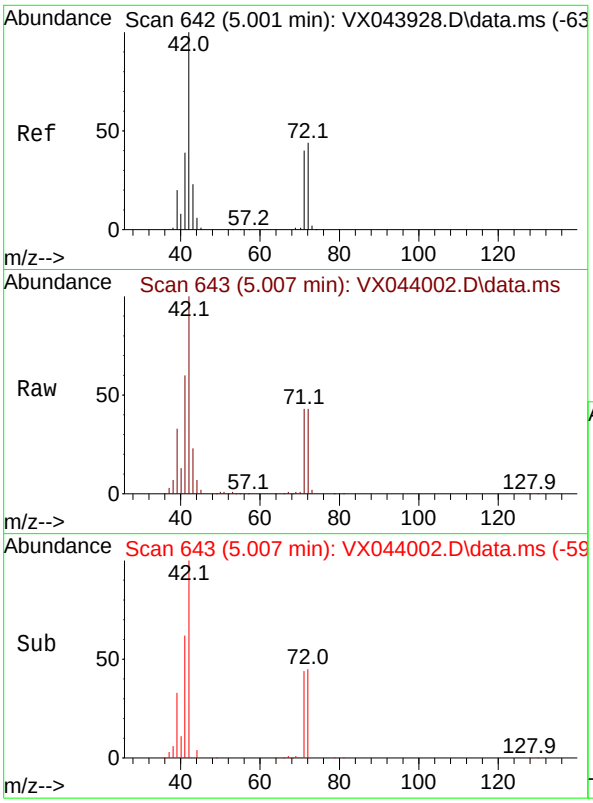


#28
Bromochloromethane
Concen: 46.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 49 Resp: 60444

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	79.0	59.0	88.6



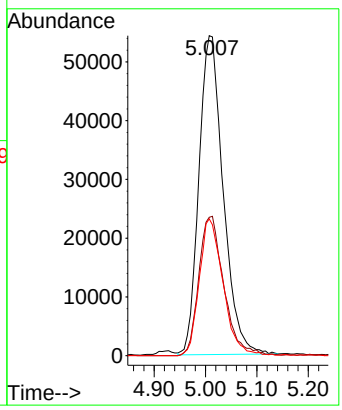


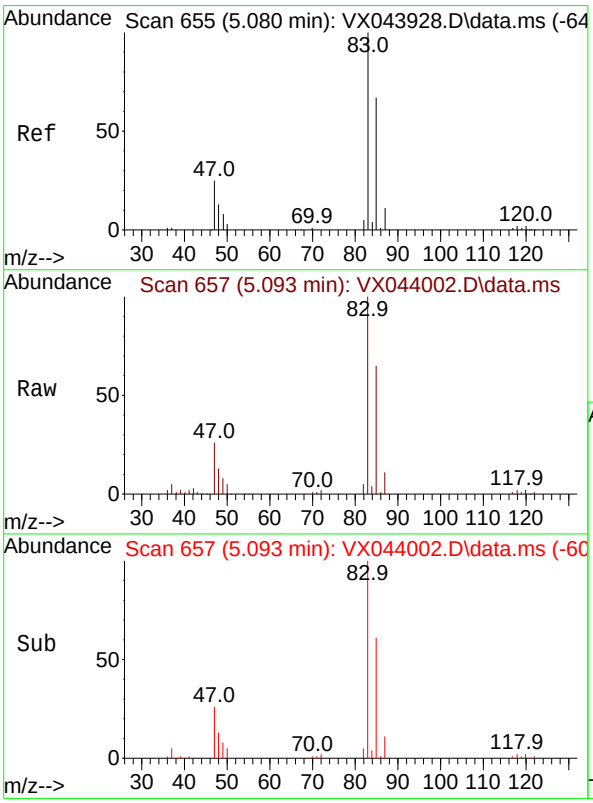
#29
Tetrahydrofuran
Concen: 224.316 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 178100

Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.4	54.6
71	42.1	33.4	50.0

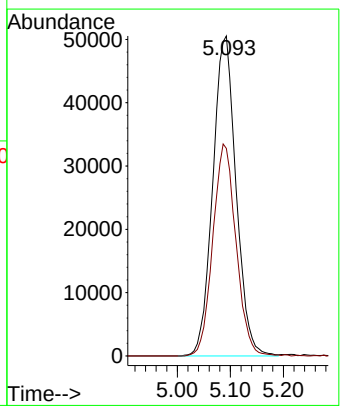


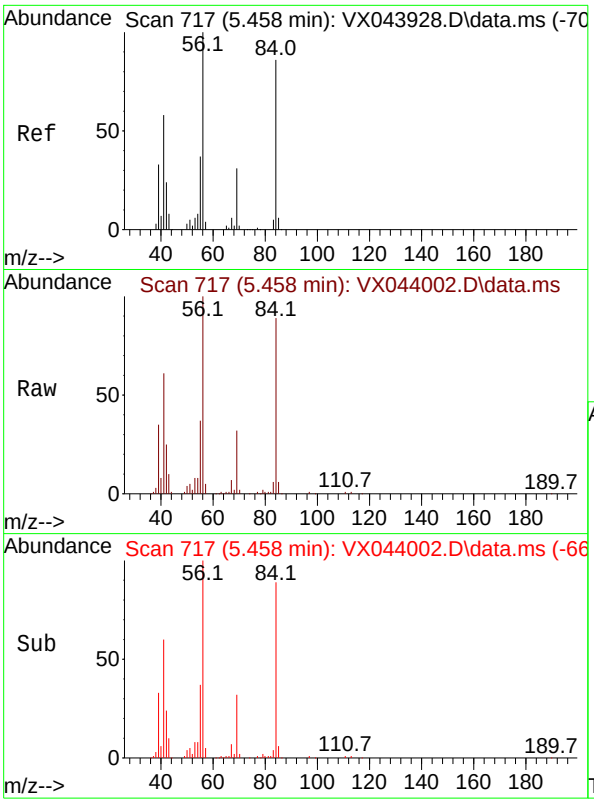


#30
Chloroform
Concen: 48.472 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 83 Resp: 154278

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3



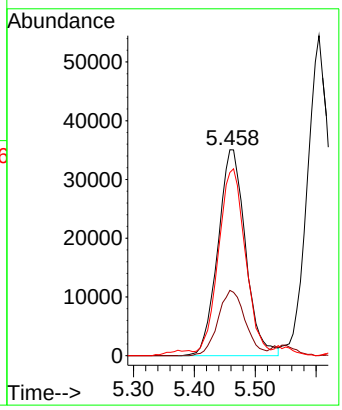


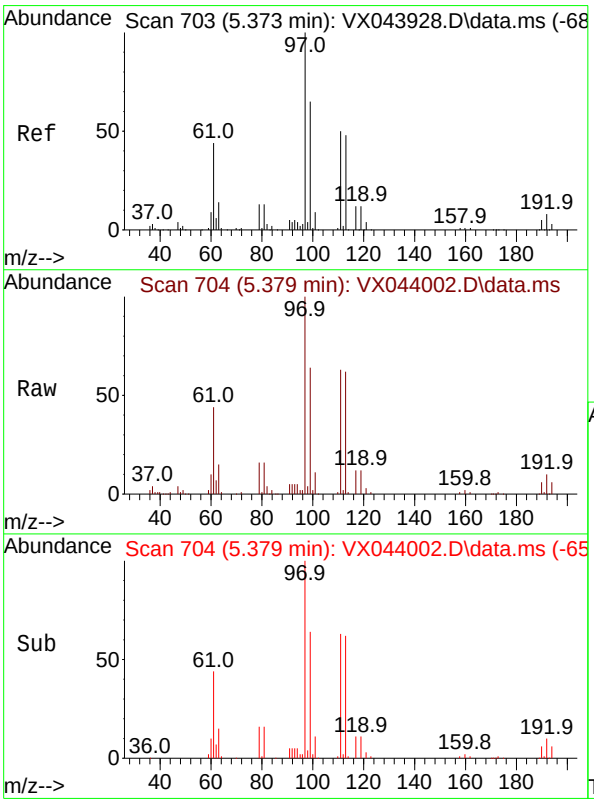
#31
Cyclohexane
Concen: 45.330 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 110406

Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.7	37.1
84	86.3	68.7	103.1

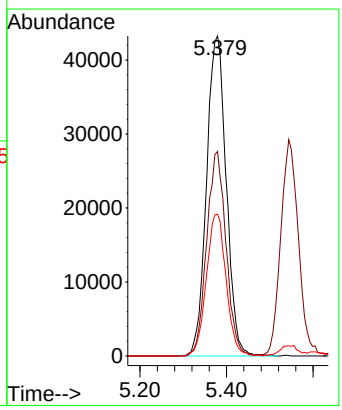


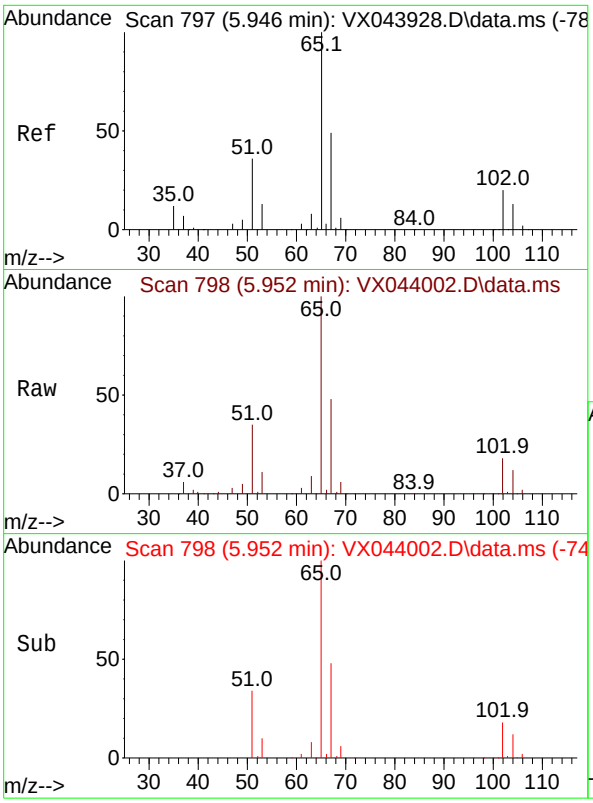


#32
1,1,1-Trichloroethane
Concen: 49.746 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 97 Resp: 136540

Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.8	76.2
61	44.4	35.4	53.2



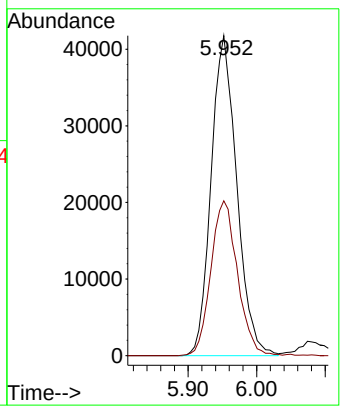


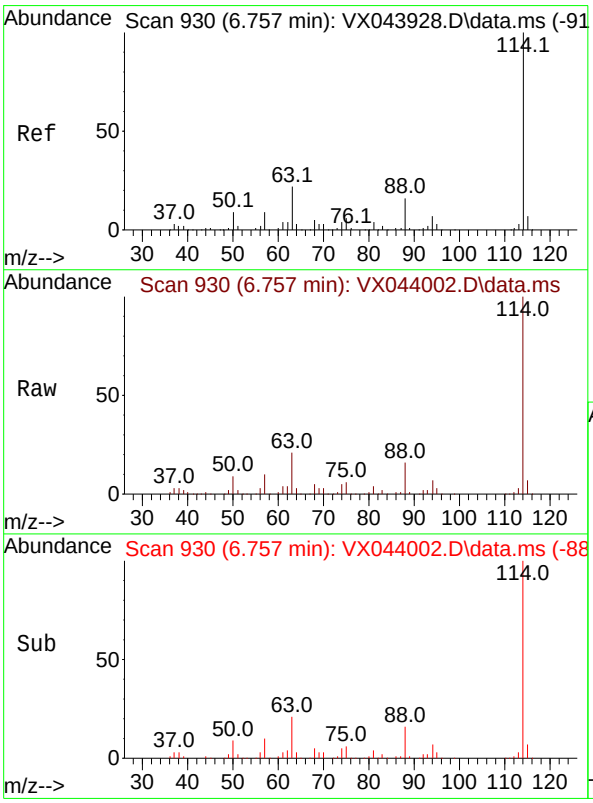
#33
1,2-Dichloroethane-d4
Concen: 49.603 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 108399

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8

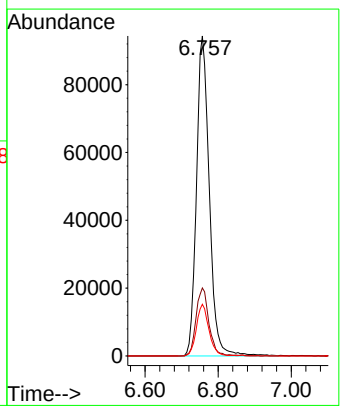


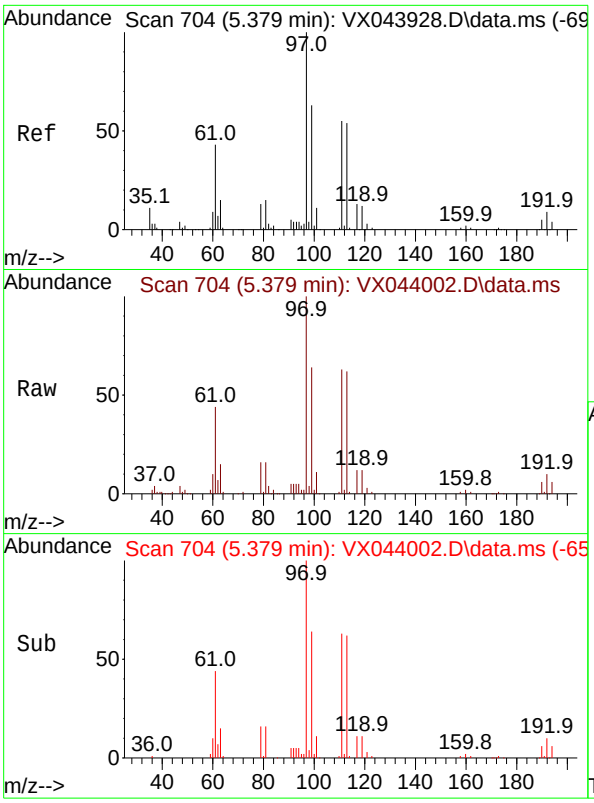


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:114 Resp: 230970

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.1	0.0	32.4



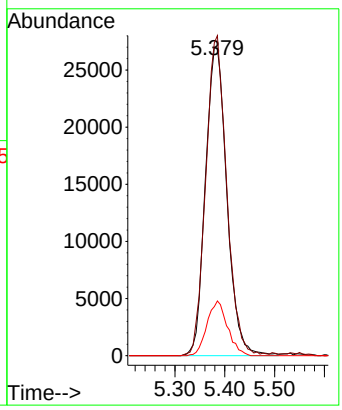


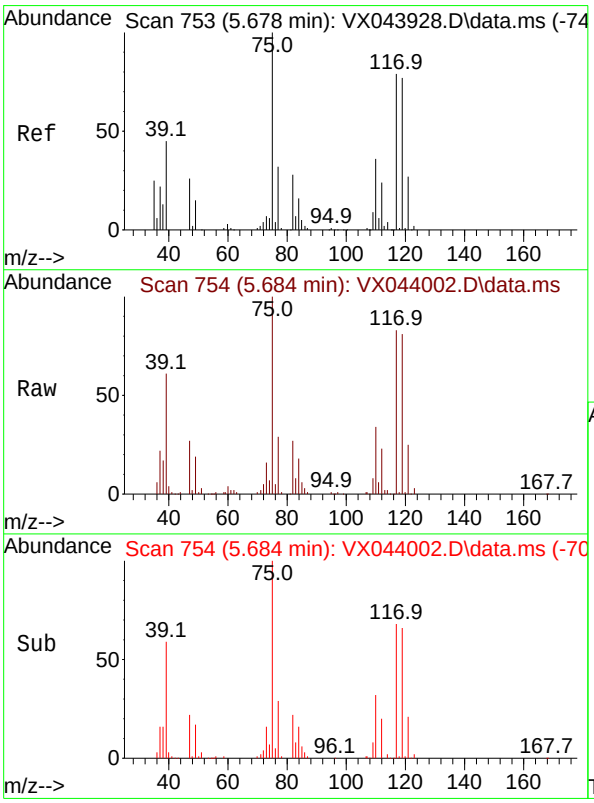
#35
Dibromofluoromethane
Concen: 49.008 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 80883

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	16.9	13.0	19.6

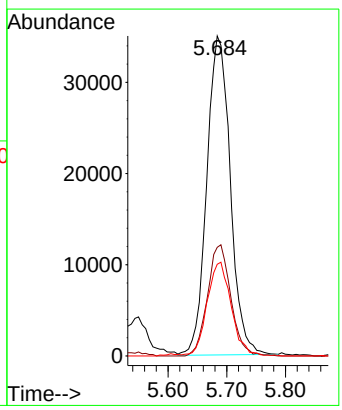


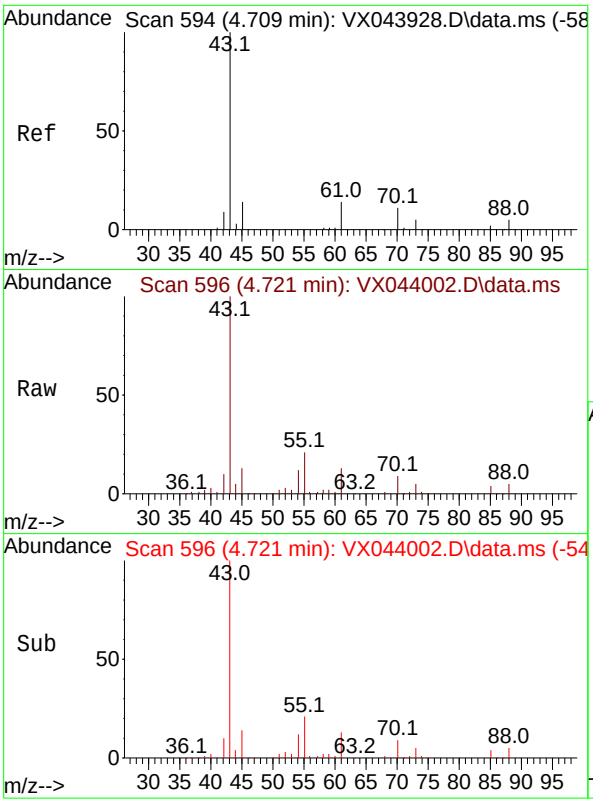


#36
1,1-Dichloropropene
Concen: 47.258 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 97191

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	30.2	25.8	38.8



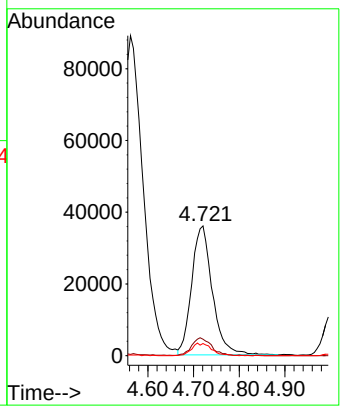


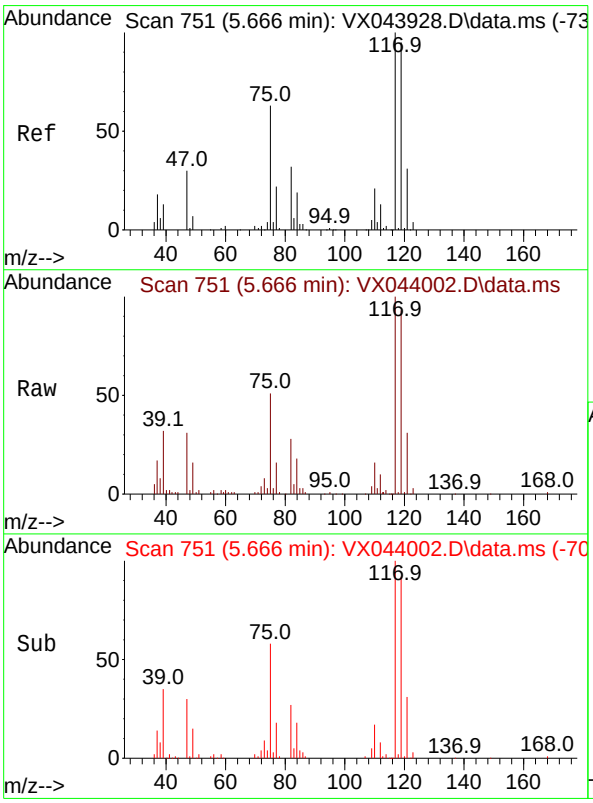
#37
Ethyl Acetate
Concen: 44.263 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 112998

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	9.3	8.0	12.0

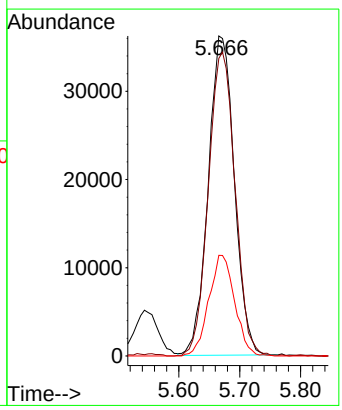


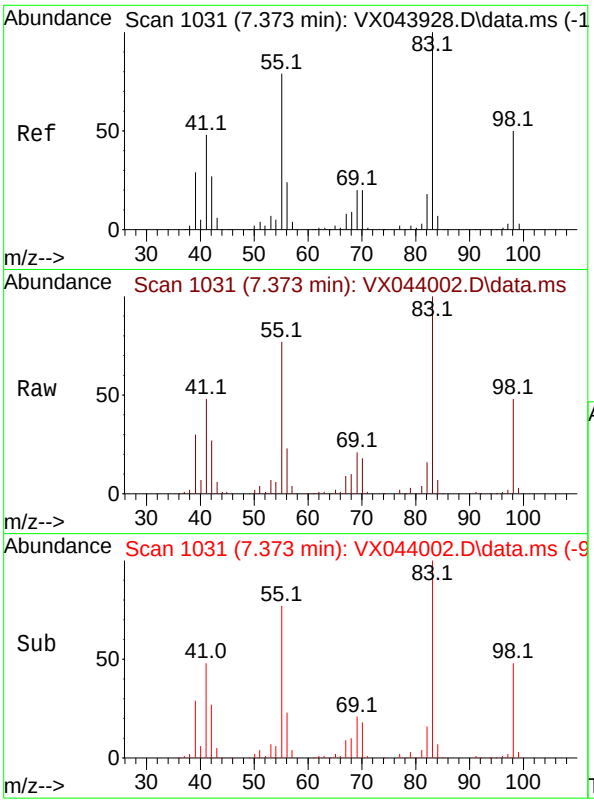


#38
Carbon Tetrachloride
Concen: 46.611 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 107711

Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.2	112.8
121	31.6	24.5	36.7



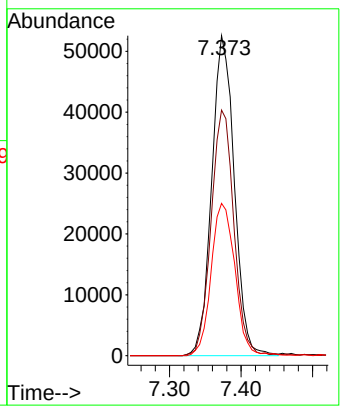


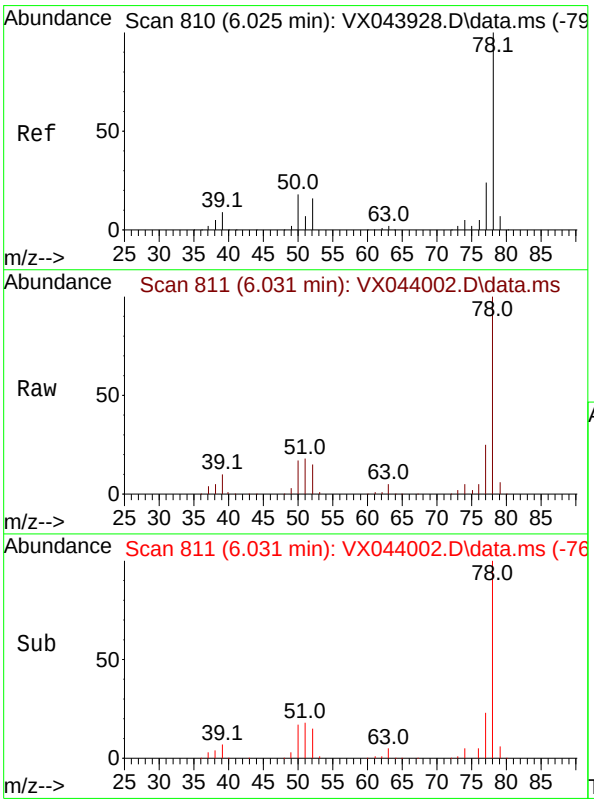
#39
Methylcyclohexane
Concen: 43.198 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 115415

Ion	Ratio	Lower	Upper
83	100		
55	76.7	63.1	94.7
98	47.6	40.0	60.0

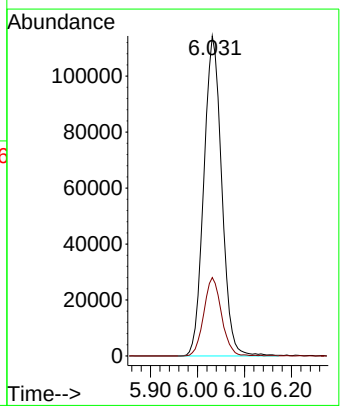


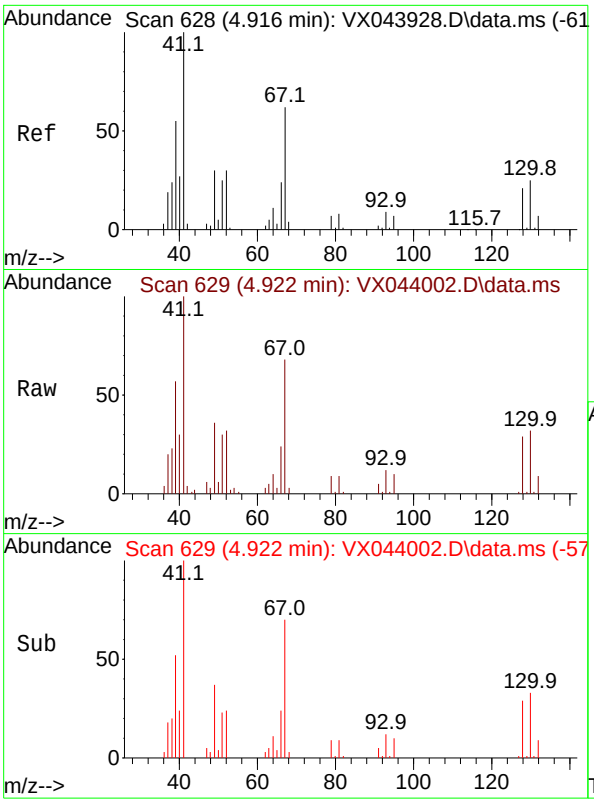


#40
Benzene
Concen: 47.188 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 78 Resp: 302293

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8



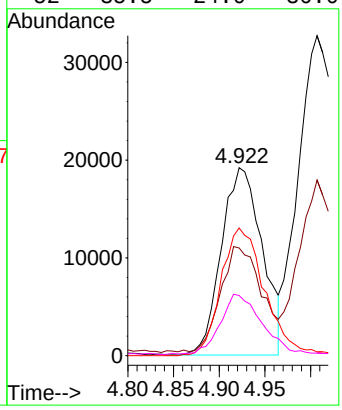


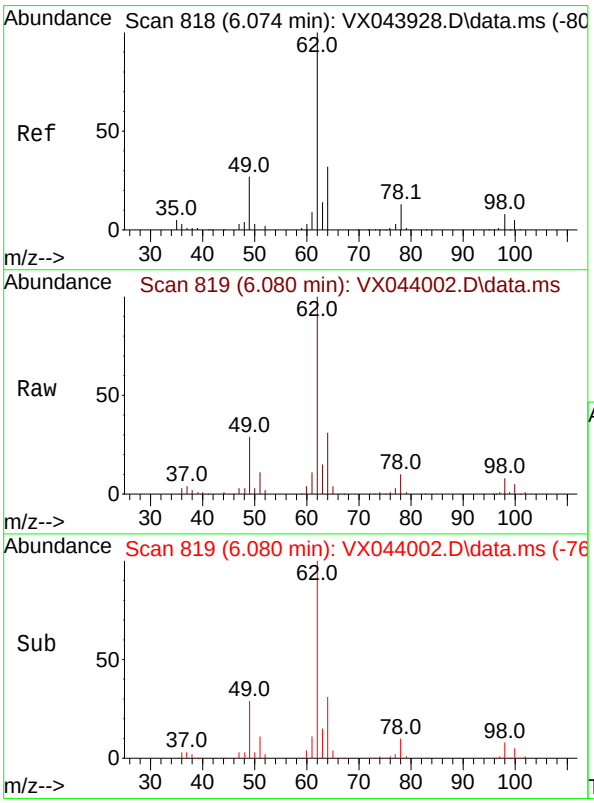
#41
Methacrylonitrile
Concen: 45.746 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 59772

Ion	Ratio	Lower	Upper
41	100		
39	56.5	41.7	62.5
67	73.2	55.8	83.8
52	35.5	24.0	36.0

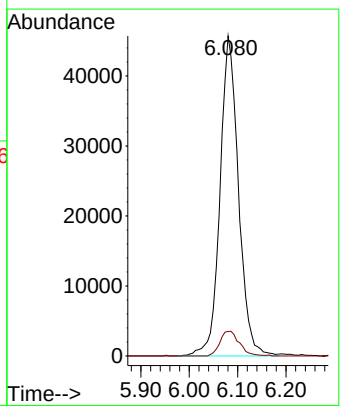


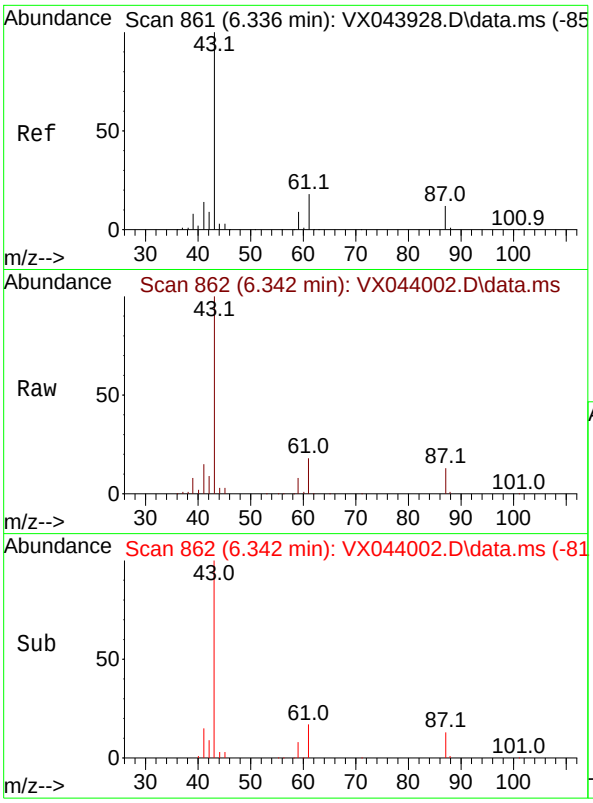


#42
1,2-Dichloroethane
Concen: 47.224 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 121500

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



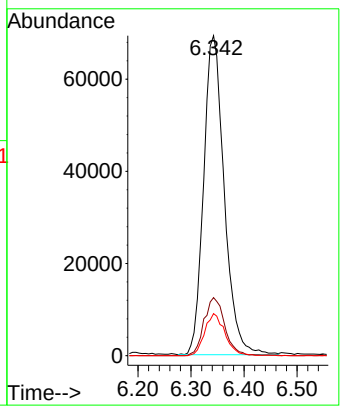


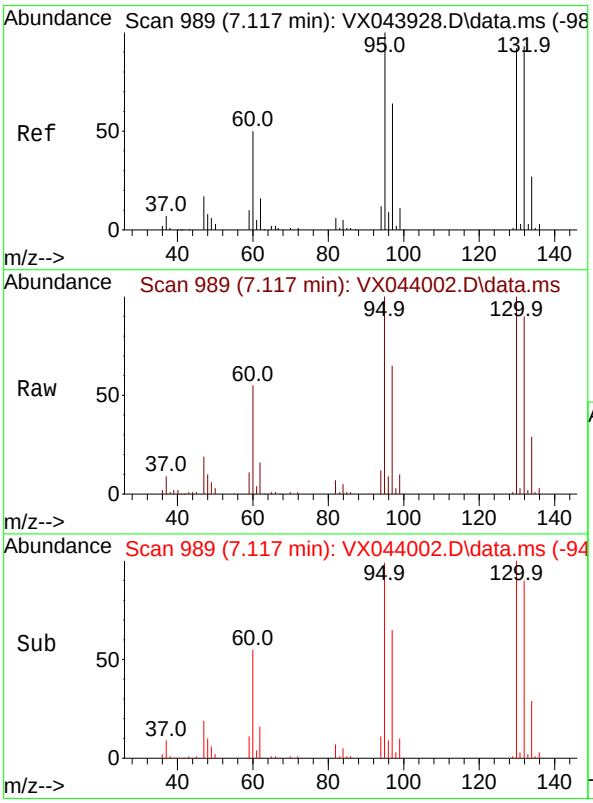
#43
Isopropyl Acetate
Concen: 46.041 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 187057

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	12.9	10.2	15.2

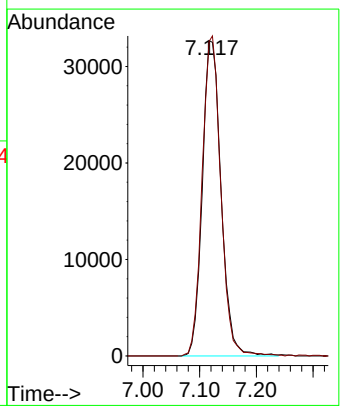


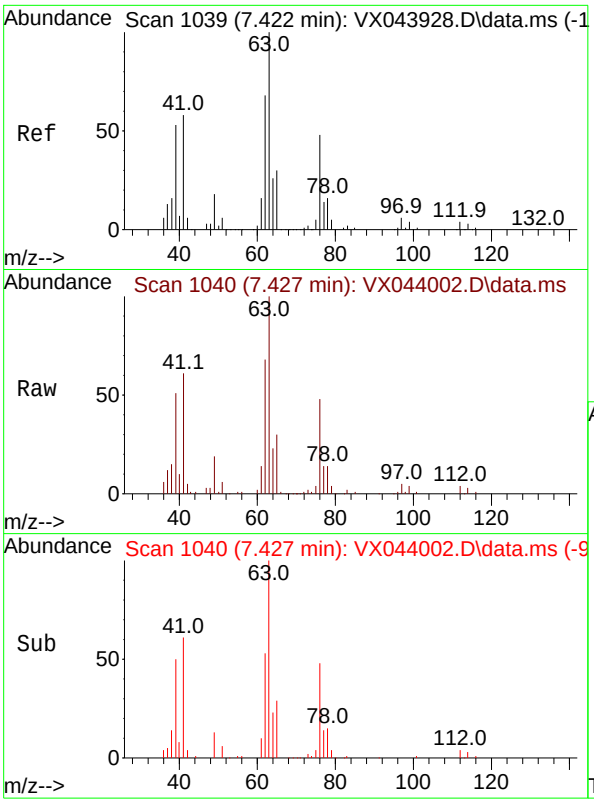


#44
Trichloroethene
Concen: 41.321 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:130 Resp: 74936

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	217.8



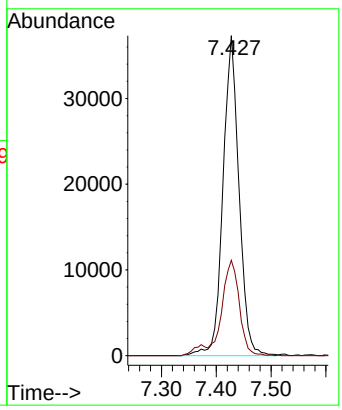


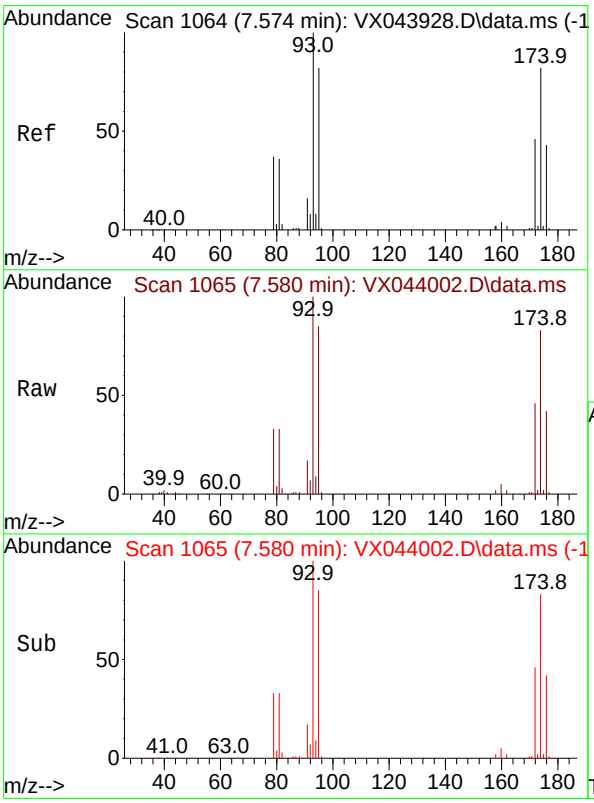
#45
1,2-Dichloropropane
Concen: 48.403 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 75945

Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.8	35.6

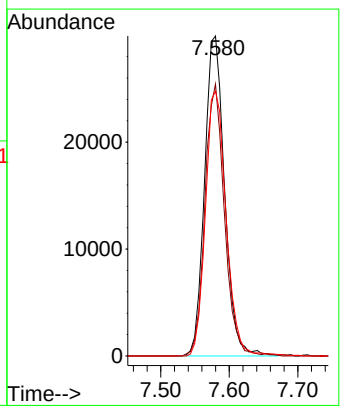


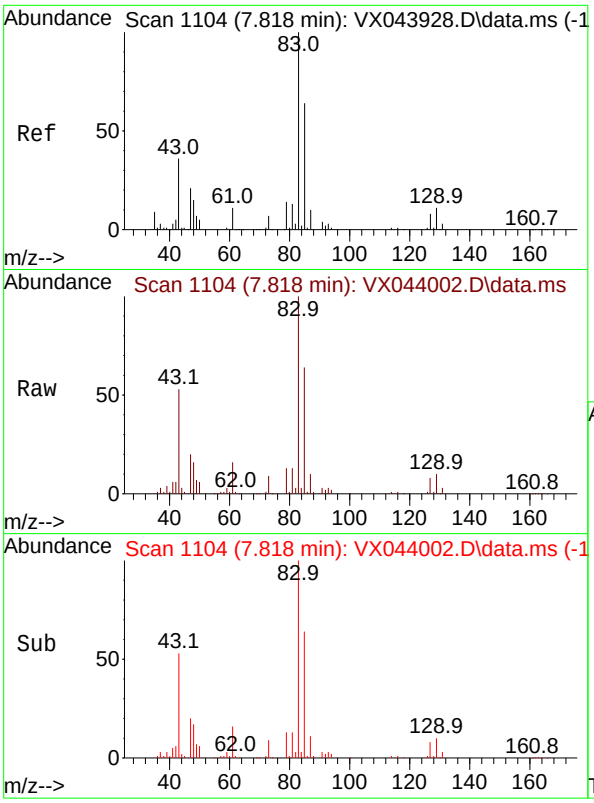


#46
Dibromomethane
Concen: 49.045 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 93 Resp: 60872

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	85.5	69.6	104.4



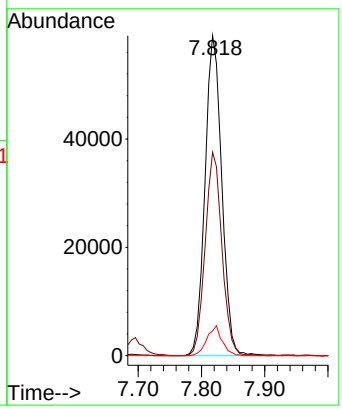


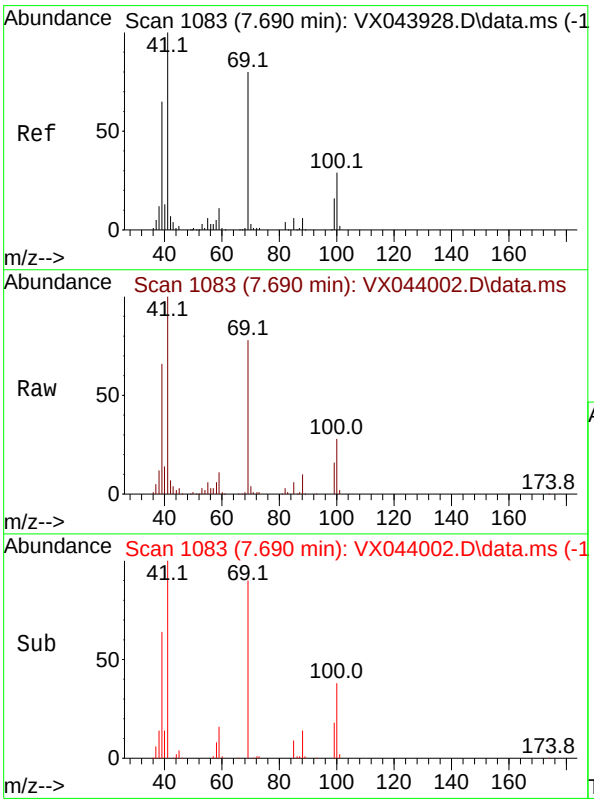
#47
Bromodichloromethane
Concen: 48.953 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 108968

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	7.7	6.6	10.0

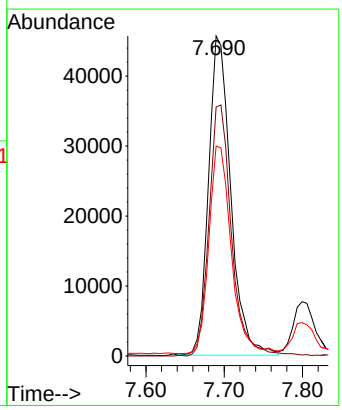


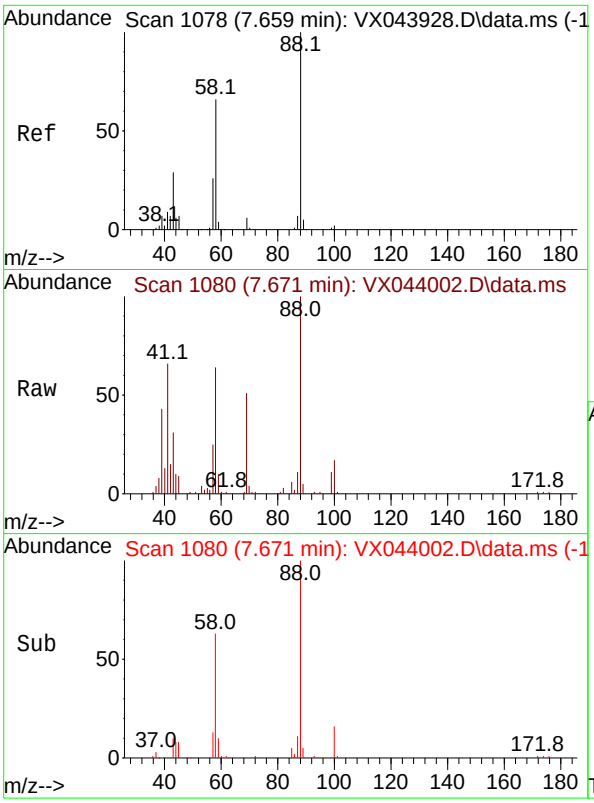


#48
Methyl methacrylate
Concen: 46.134 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 89938

Ion	Ratio	Lower	Upper
41	100		
69	79.6	64.6	97.0
39	65.3	53.3	79.9



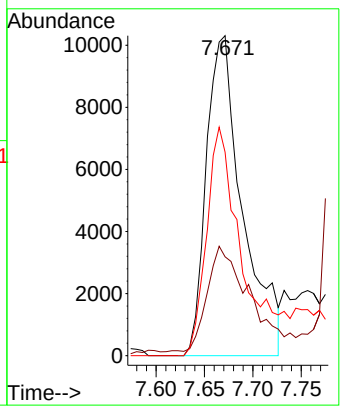


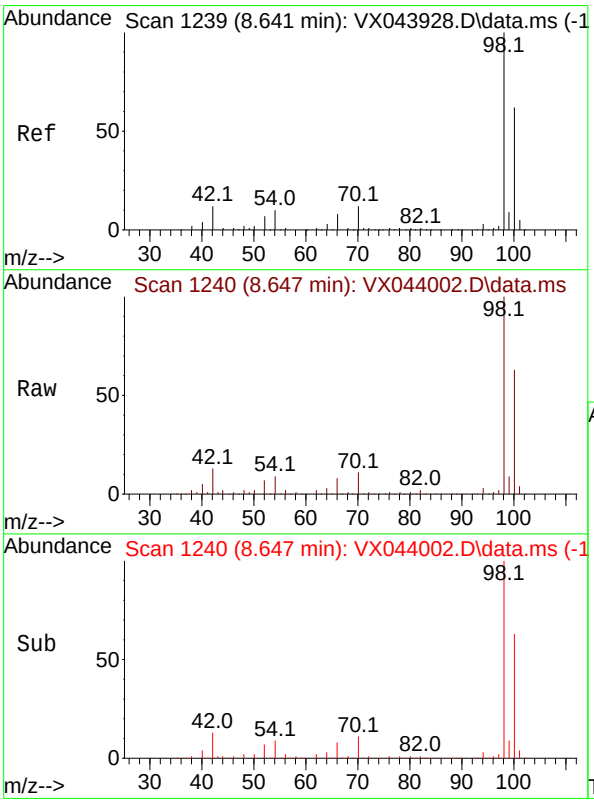
#49
1,4-Dioxane
Concen: 777.017 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26983

Ion	Ratio	Lower	Upper
88	100		
43	39.2	26.8	40.2
58	67.6	45.4	68.2

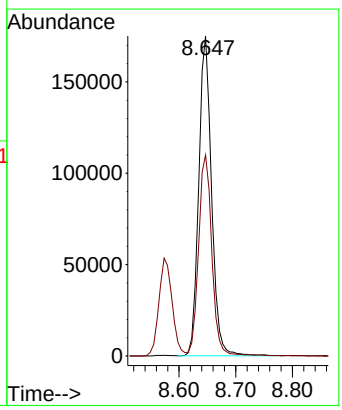


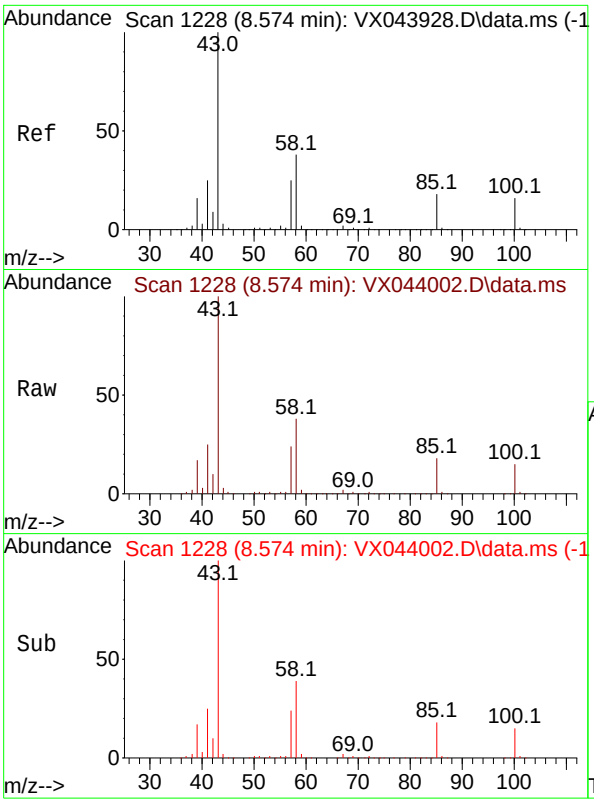


#50
Toluene-d8
Concen: 48.276 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 98 Resp: 274647

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



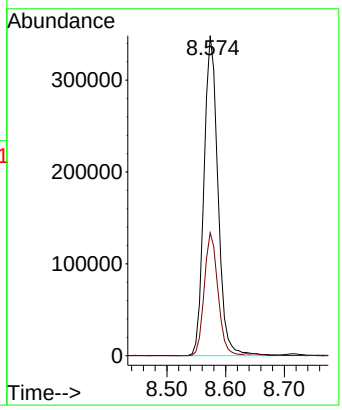


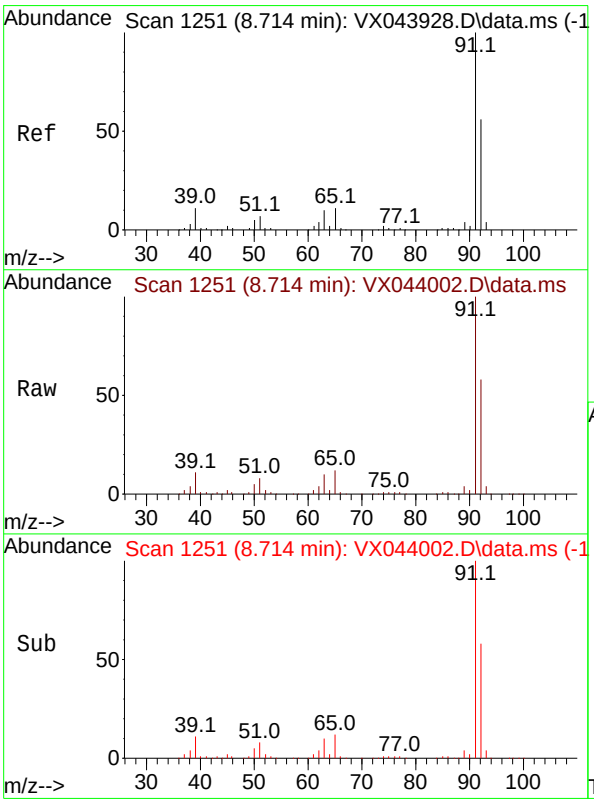
#51
4-Methyl-2-Pentanone
Concen: 232.731 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 577015

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.0	45.0

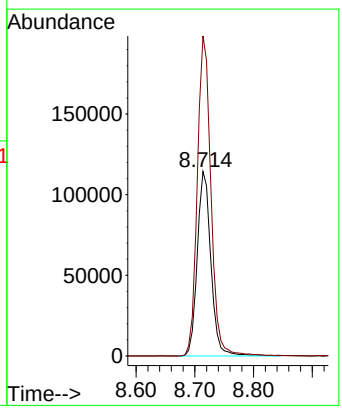


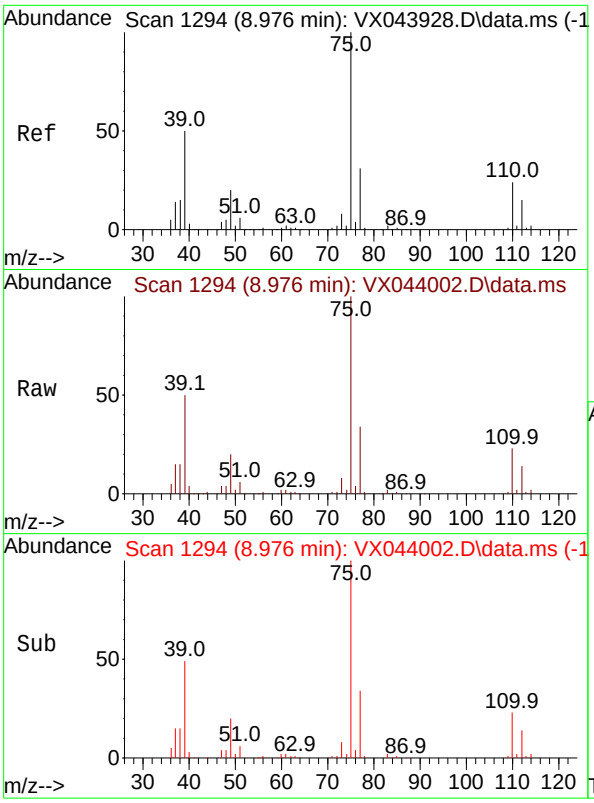


#52
Toluene
Concen: 48.090 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 92 Resp: 184390

Ion	Ratio	Lower	Upper
92	100		
91	173.2	139.7	209.5



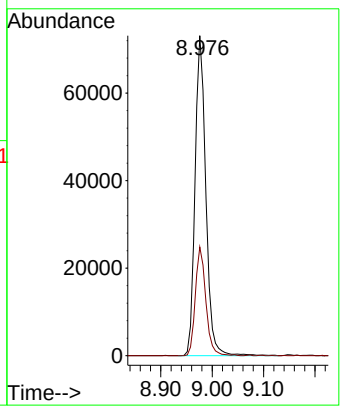


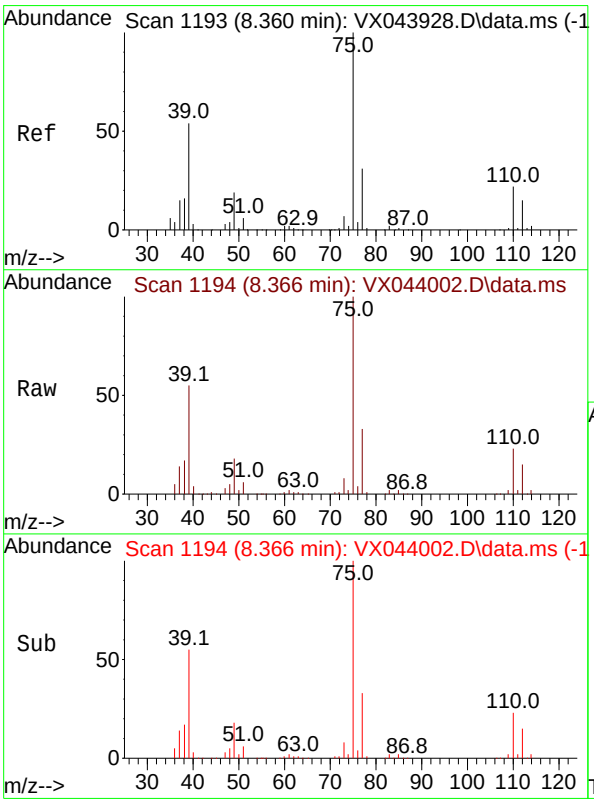
#53
t-1,3-Dichloropropene
Concen: 47.064 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 106834

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.1	37.7

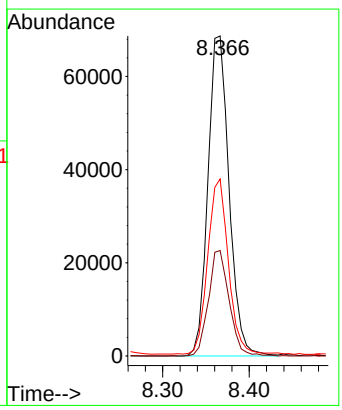


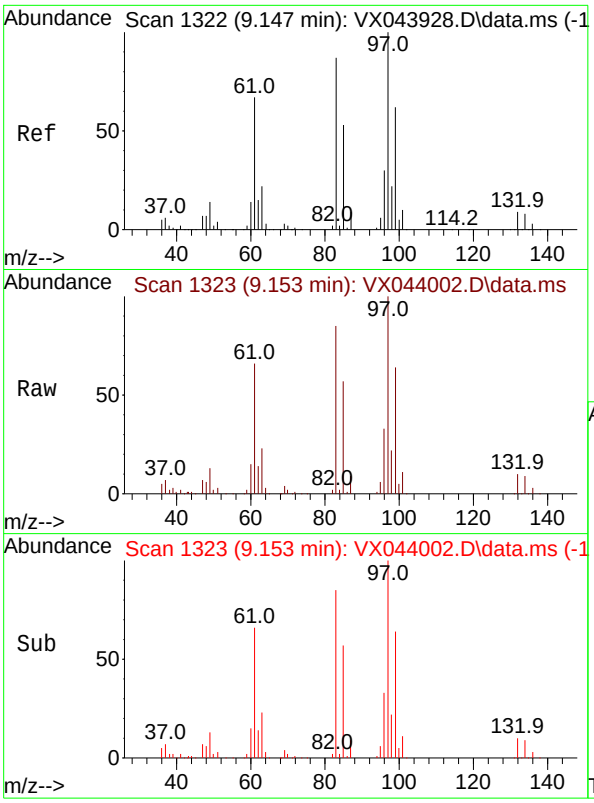


#54
cis-1,3-Dichloropropene
Concen: 46.816 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 116499

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	54.6	43.1	64.7



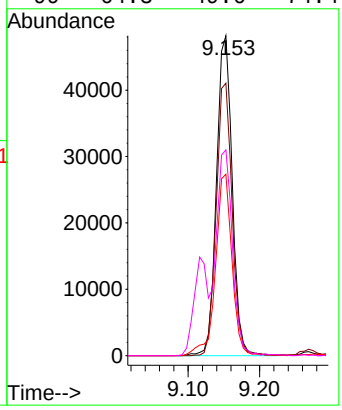


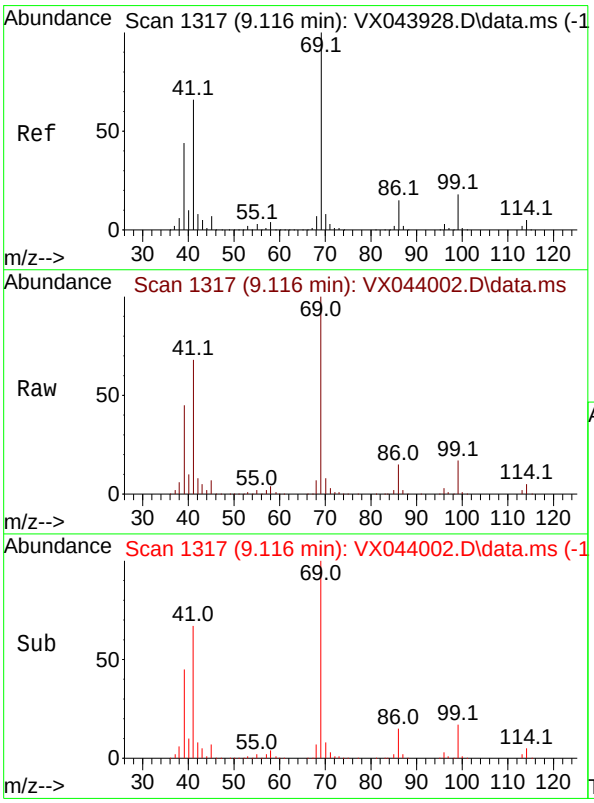
#55
1,1,2-Trichloroethane
Concen: 46.565 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 73702

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	56.6	42.3	63.5
99	64.3	49.6	74.4

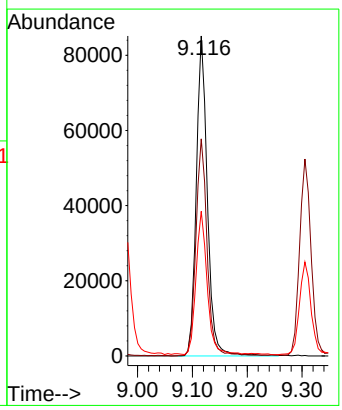


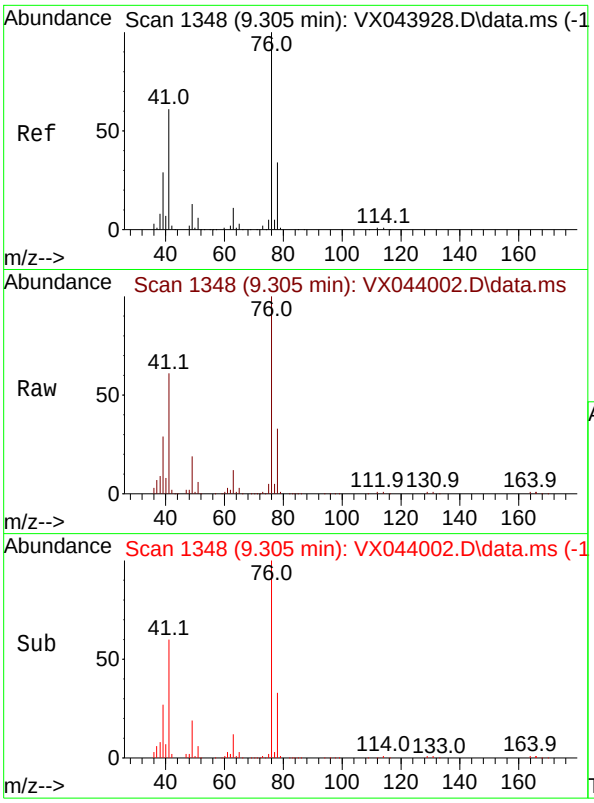


#56
Ethyl methacrylate
Concen: 48.673 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 69 Resp: 119993

Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	45.1	36.7	55.1



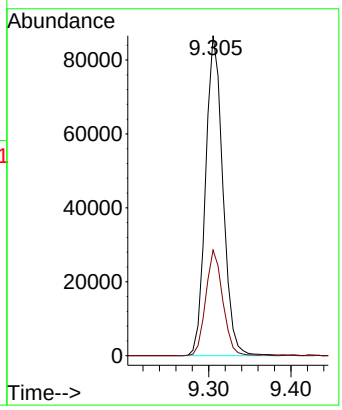


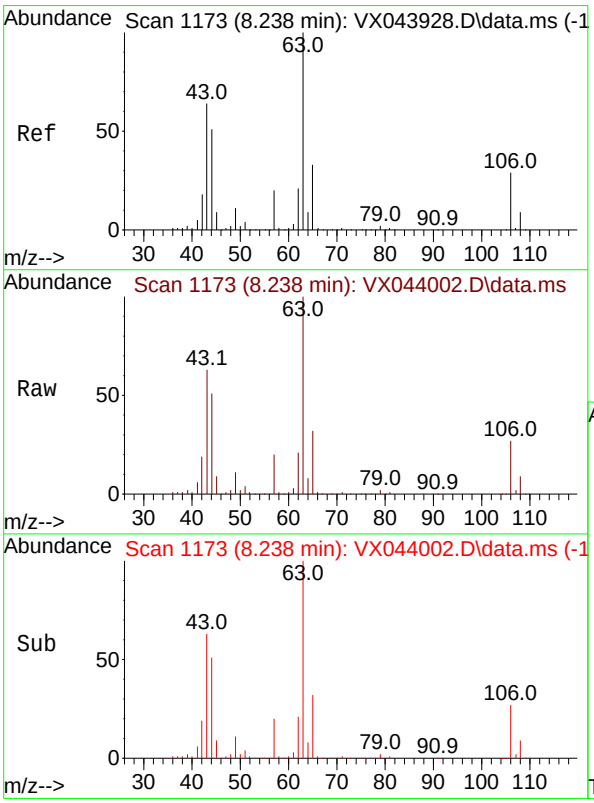
#57
1,3-Dichloropropane
Concen: 47.362 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 126279

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

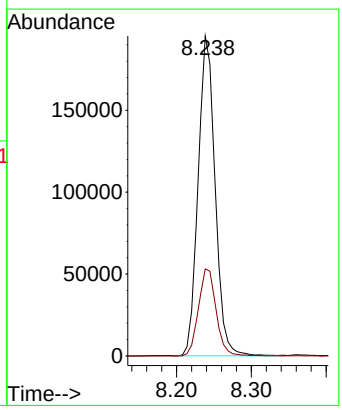


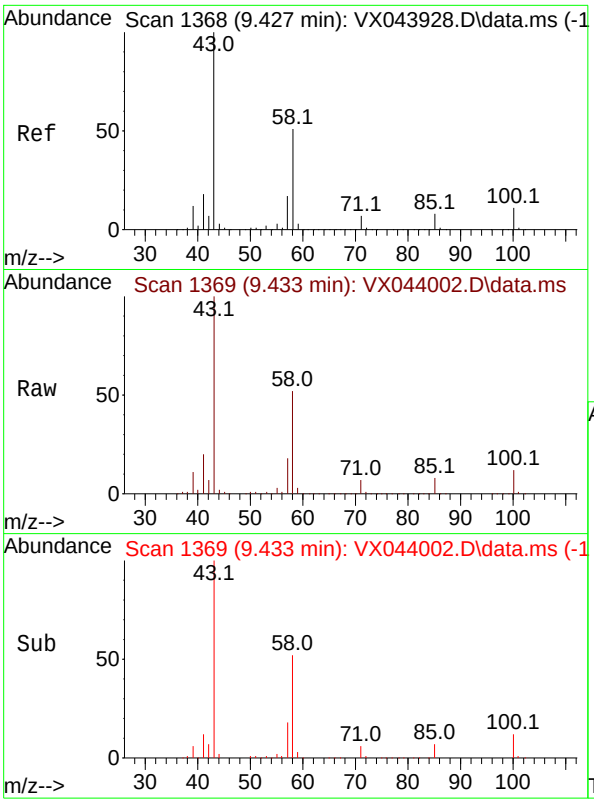


#58
2-Chloroethyl Vinyl ether
Concen: 227.585 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 307827

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



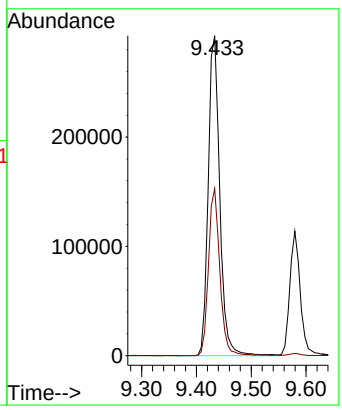


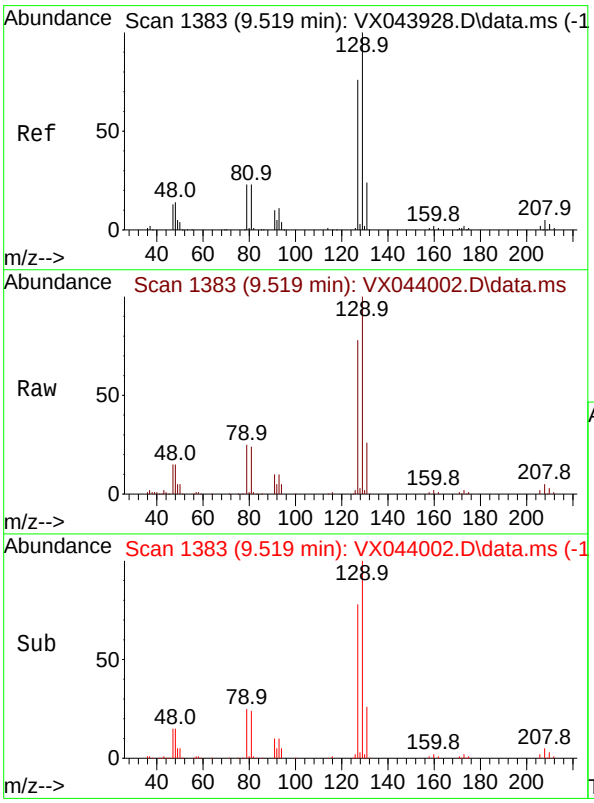
#59
2-Hexanone
Concen: 228.307 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 425456

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

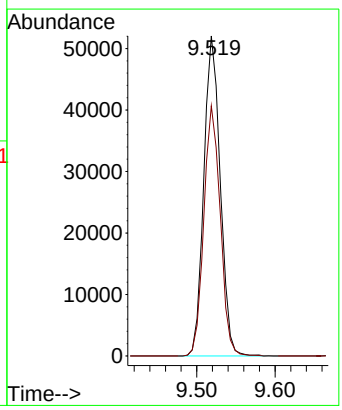


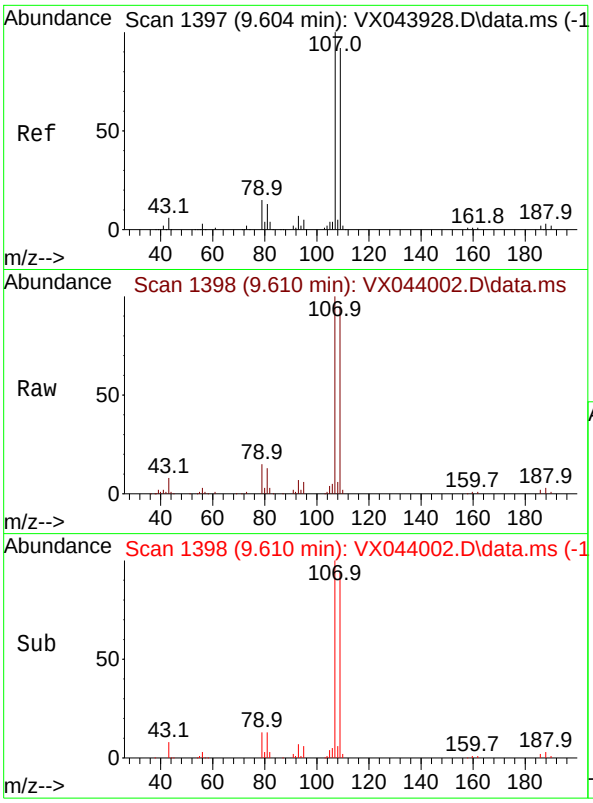


#60
Dibromochloromethane
Concen: 47.648 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:129 Resp: 75667

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.2	114.6



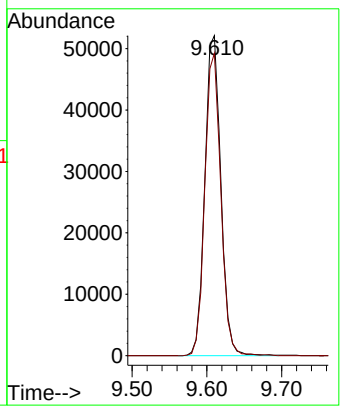


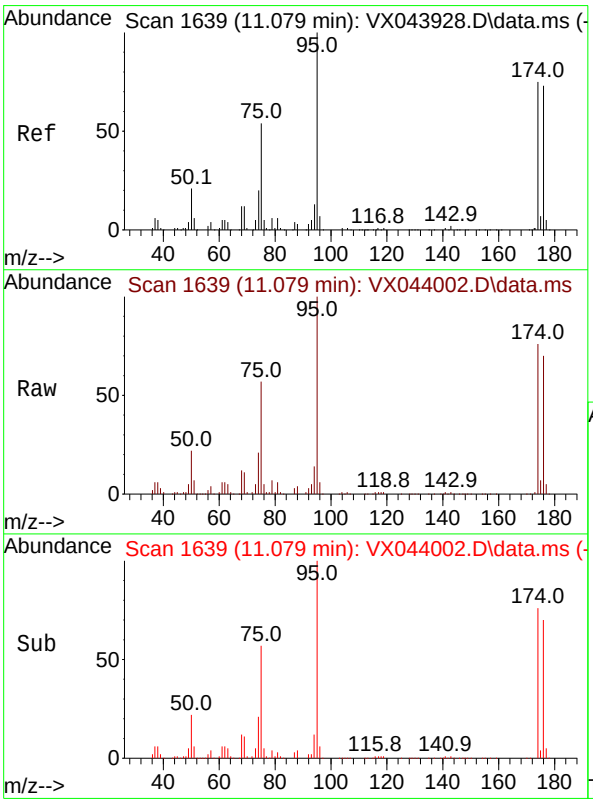
#61
1,2-Dibromoethane
Concen: 48.453 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 77546

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

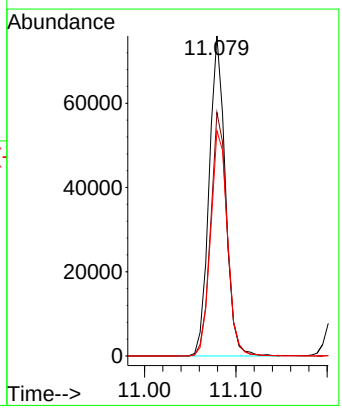


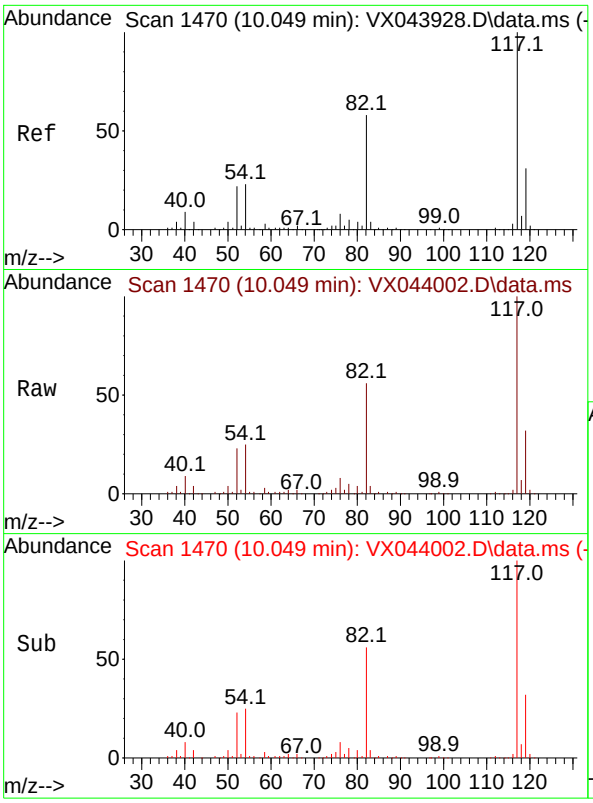


#62
4-Bromofluorobenzene
Concen: 48.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 95 Resp: 93312

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	150.4
176	73.4	0.0	146.0



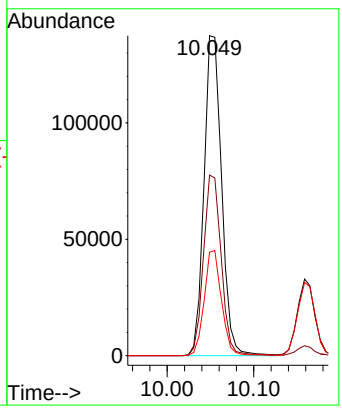


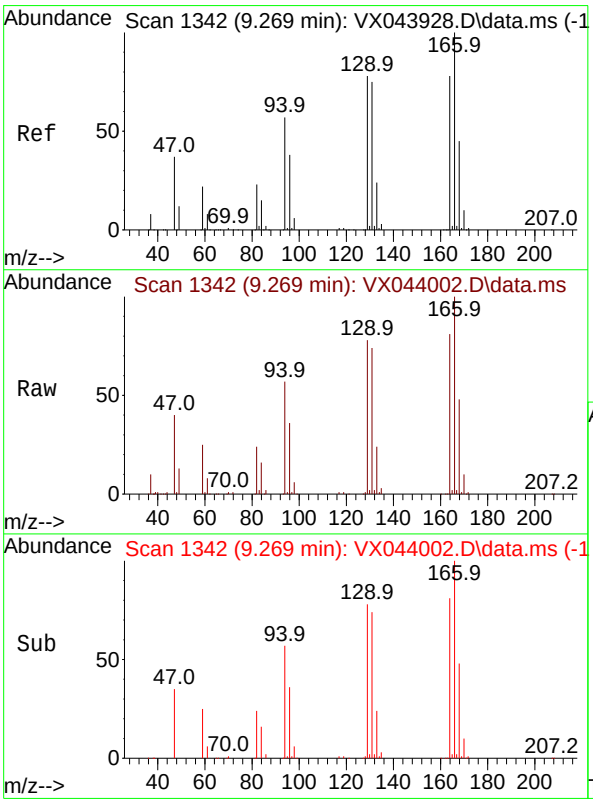
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 194454

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	32.3	24.6	37.0

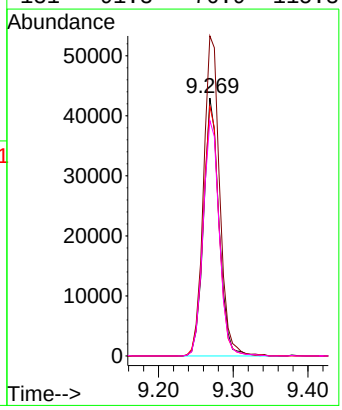


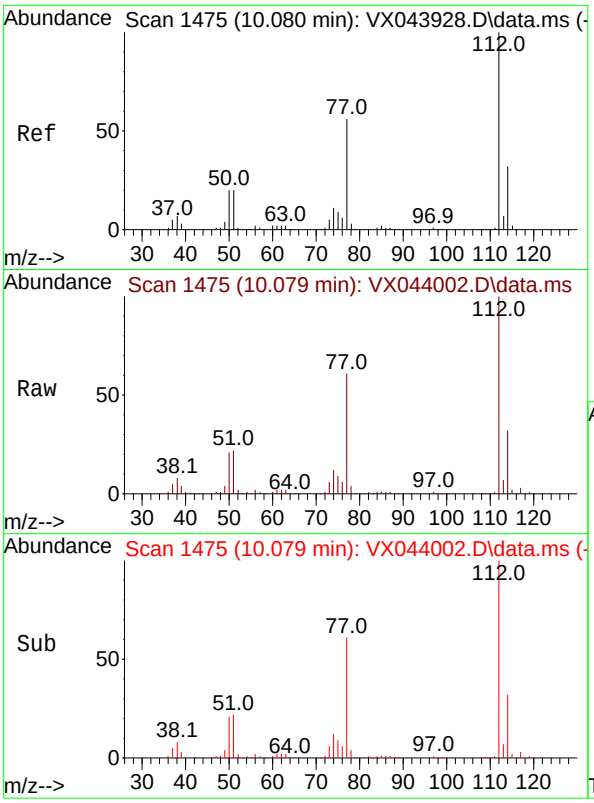


#64
Tetrachloroethene
Concen: 47.689 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:164 Resp: 61147

Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	96.8	79.6	119.4
131	91.3	76.9	115.3



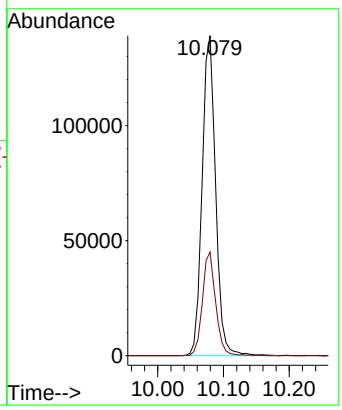


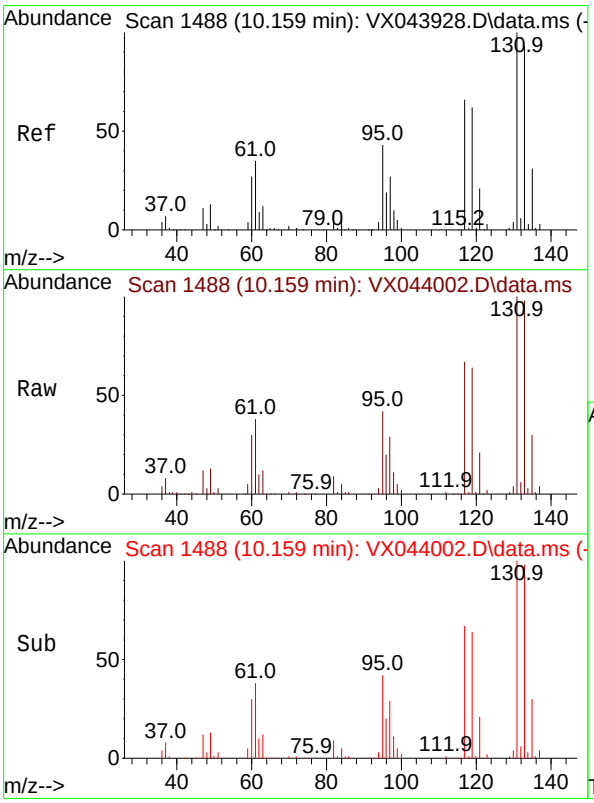
#65
Chlorobenzene
Concen: 46.431 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 198294

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

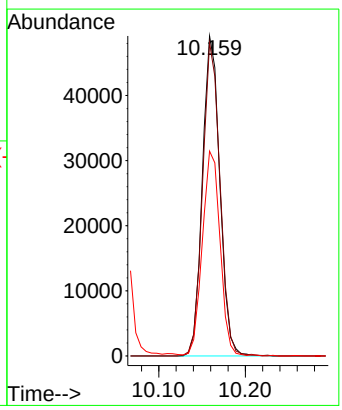


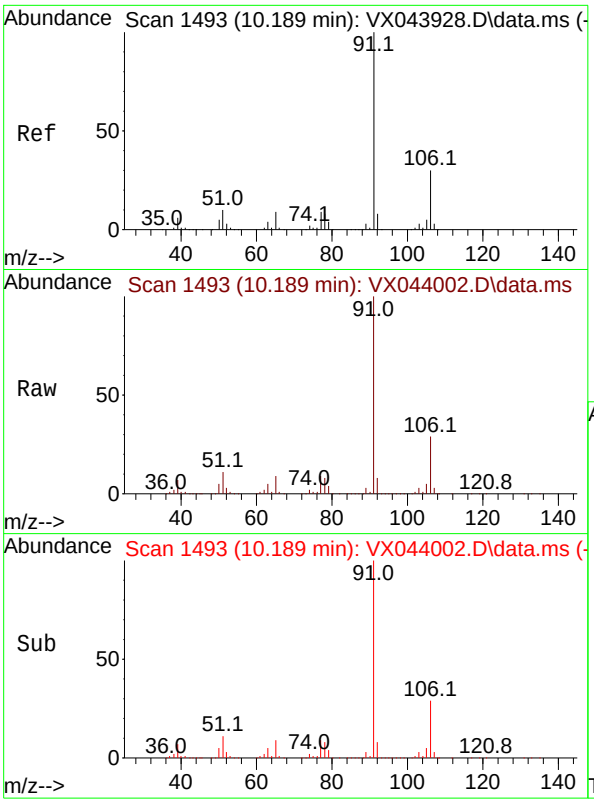


#66
1,1,1,2-Tetrachloroethane
Concen: 49.406 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:131 Resp: 68431

Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.2	144.6
119	65.5	31.5	94.5



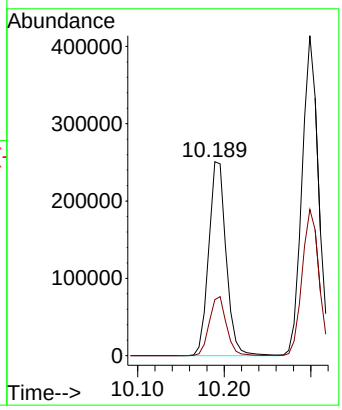


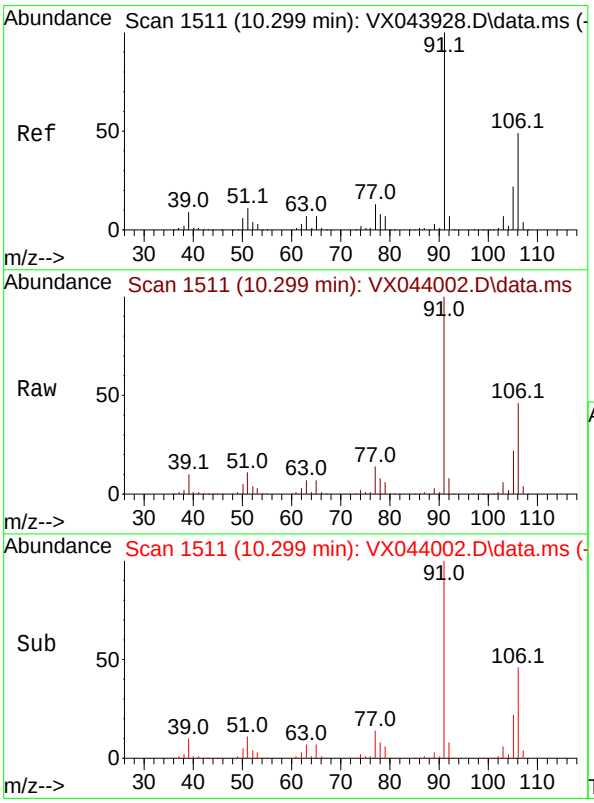
#67
Ethyl Benzene
Concen: 48.488 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 350901

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.6	35.4

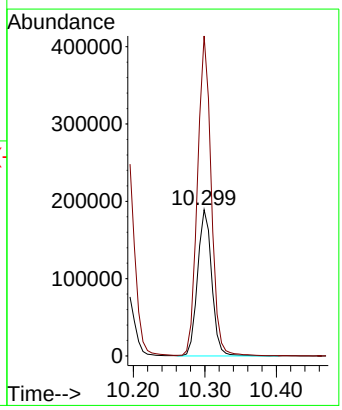


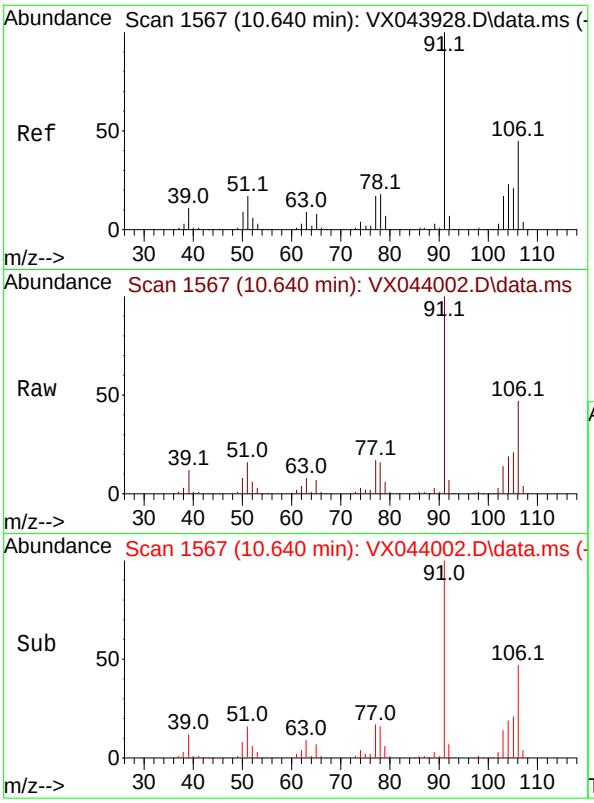


#68
m/p-Xylenes
Concen: 96.253 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:106 Resp: 259765

Ion	Ratio	Lower	Upper
106	100		
91	212.4	168.1	252.1



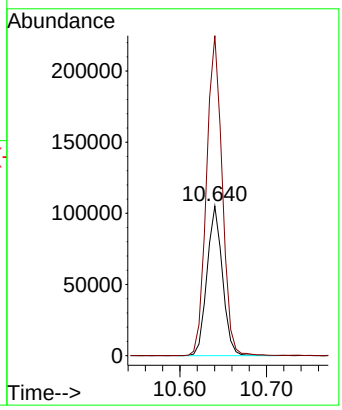


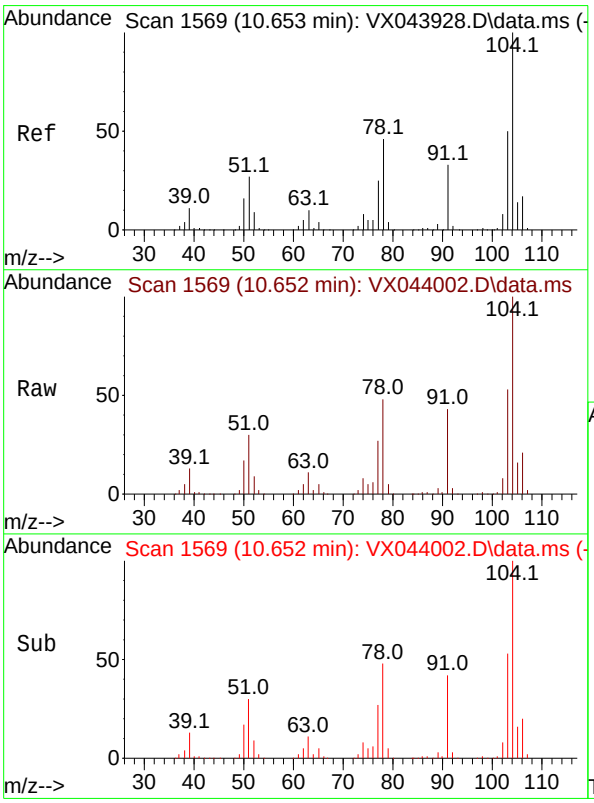
#69
o-Xylene
Concen: 49.529 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 130506

Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6

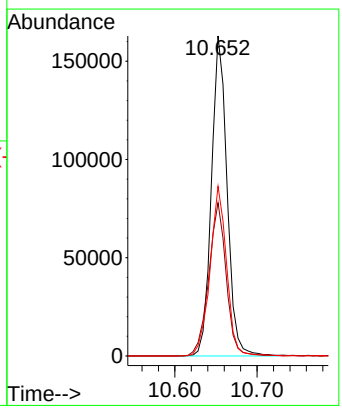


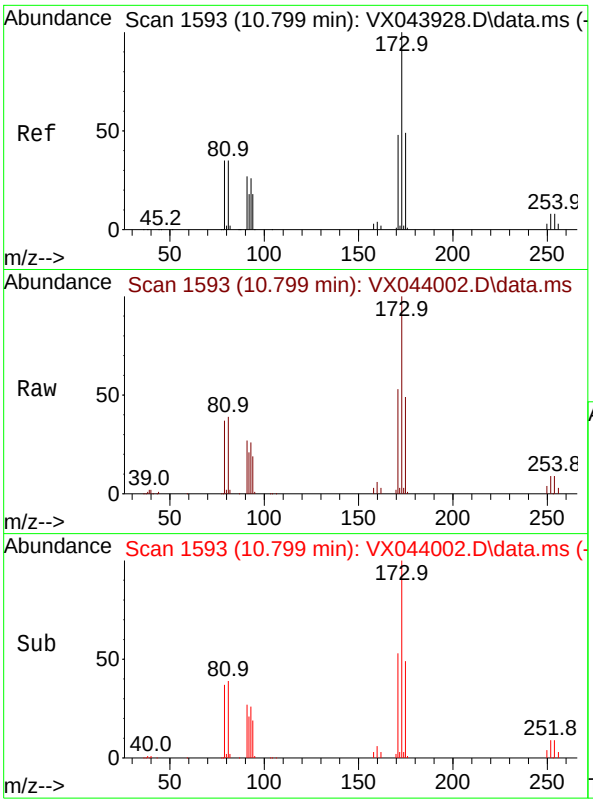


#70
Styrene
Concen: 49.457 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:104 Resp: 215539

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.2	63.2
103	56.3	44.7	67.1



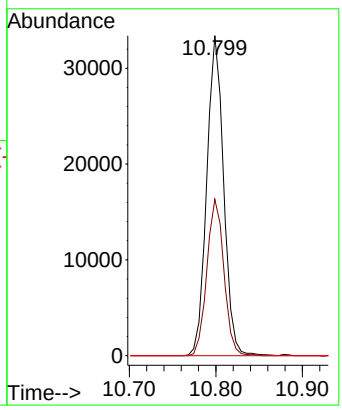


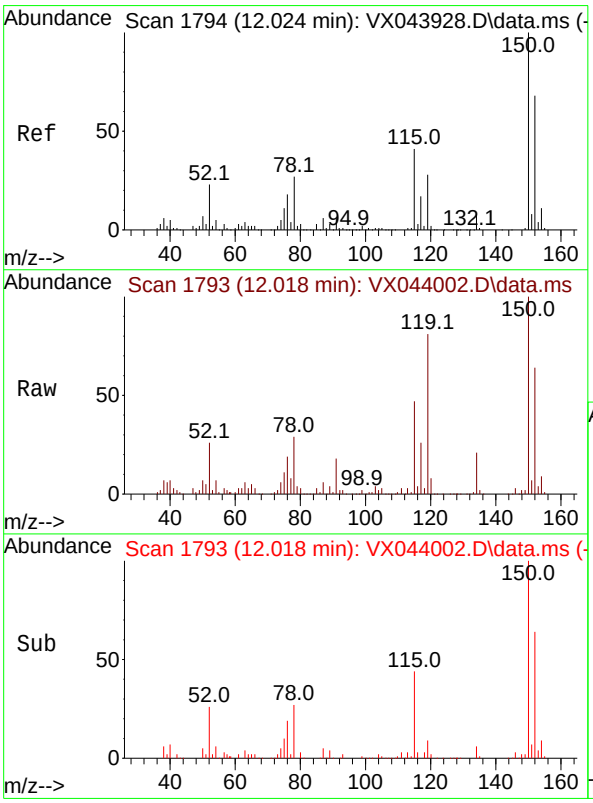
#71
Bromoform
Concen: 43.484 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 45268

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

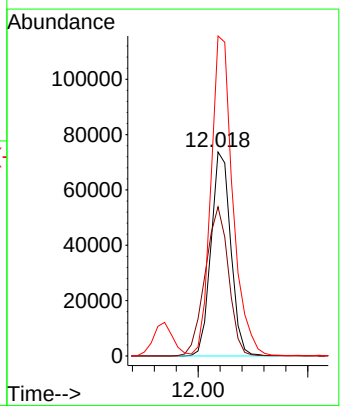


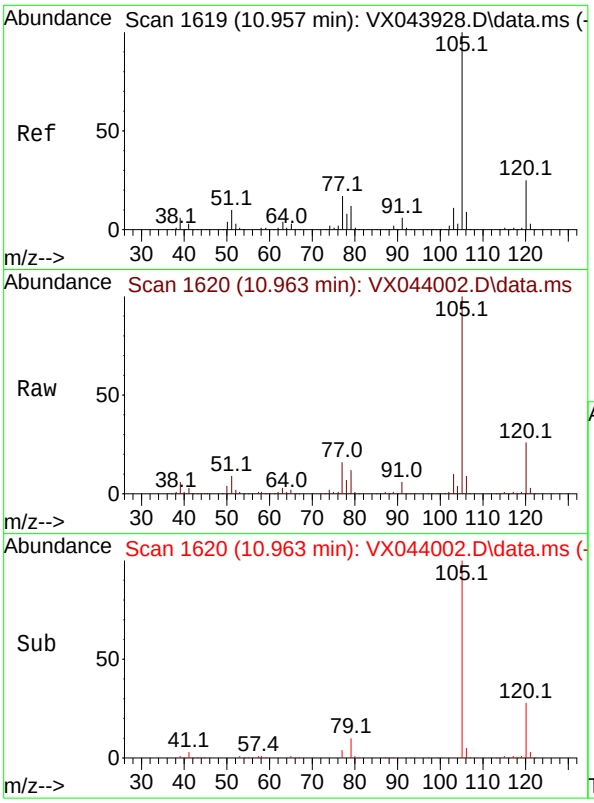


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:152 Resp: 92098

Ion	Ratio	Lower	Upper
152	100		
115	86.7	45.4	136.2
150	173.4	0.0	353.0



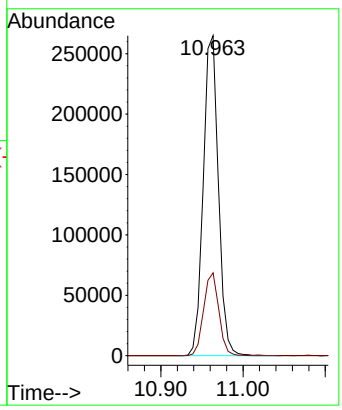


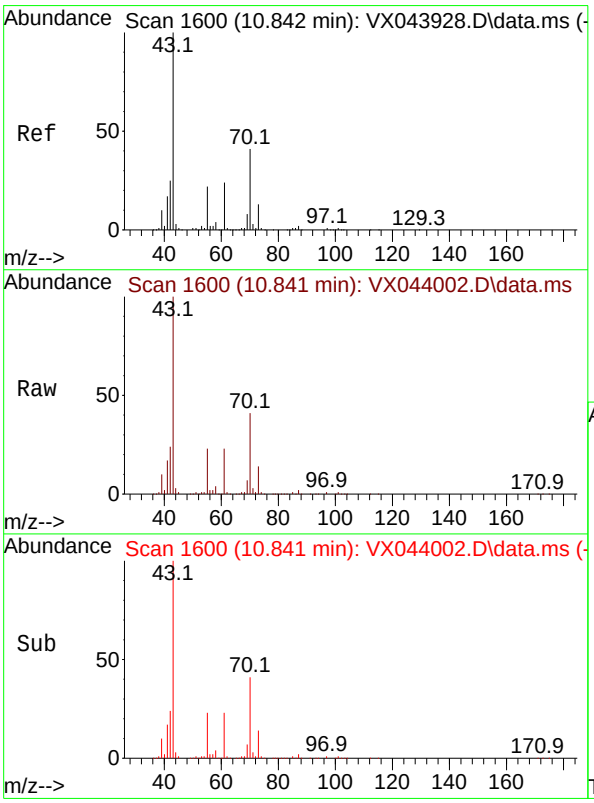
#73
Isopropylbenzene
Concen: 47.838 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 338668

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

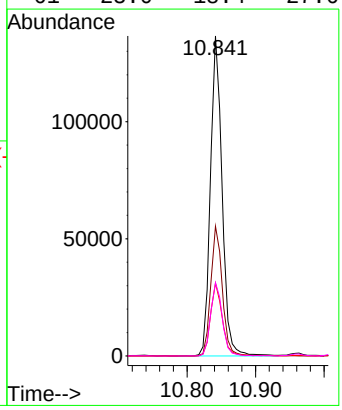


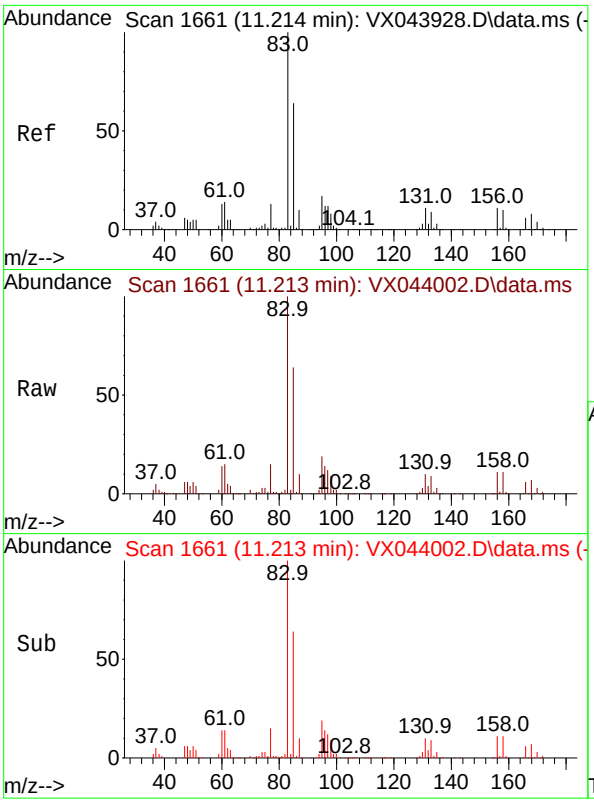


#74
N-amyl acetate
Concen: 49.487 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 162298

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.2	48.2
55	22.8	18.1	27.1
61	23.0	18.4	27.6



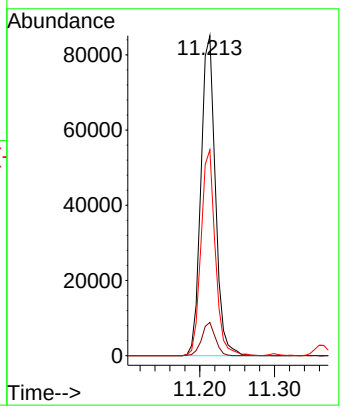


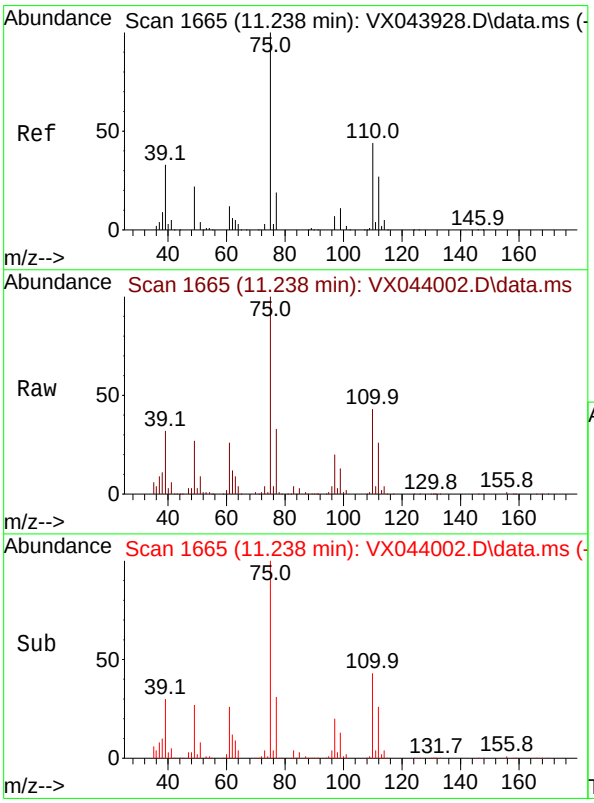
#75
1,1,2,2-Tetrachloroethane
Concen: 47.162 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 114325

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	63.6	32.2	96.6

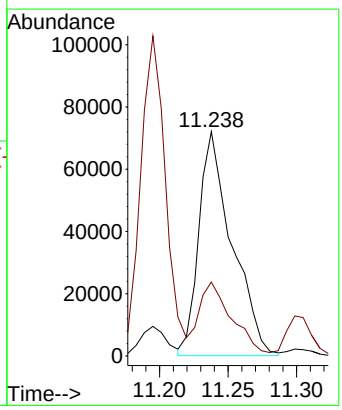


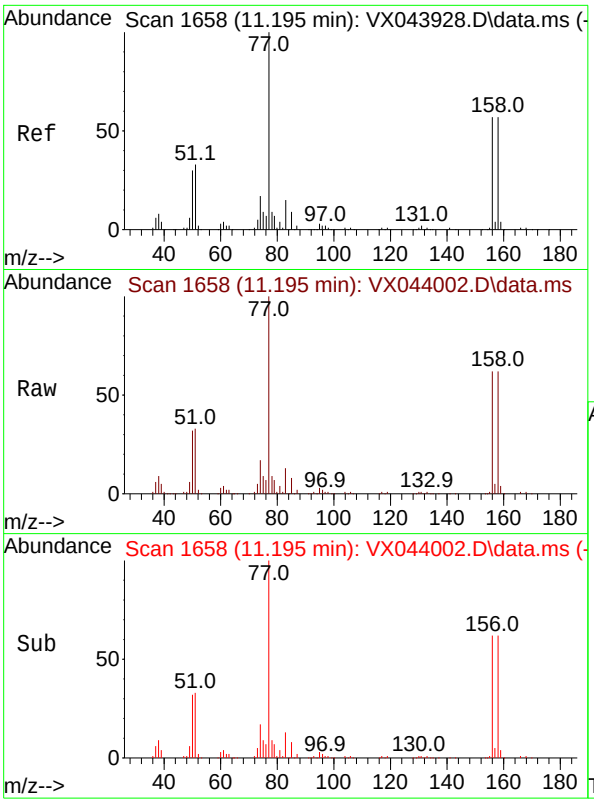


#76
1,2,3-Trichloropropane
Concen: 60.118 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 121420

Ion	Ratio	Lower	Upper
75	100		
77	33.1	21.8	65.3



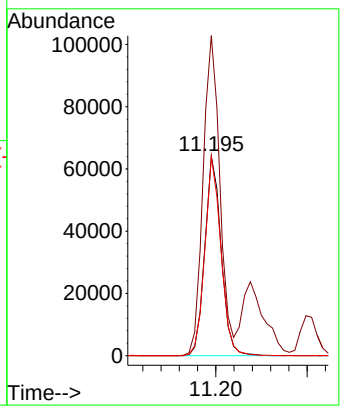


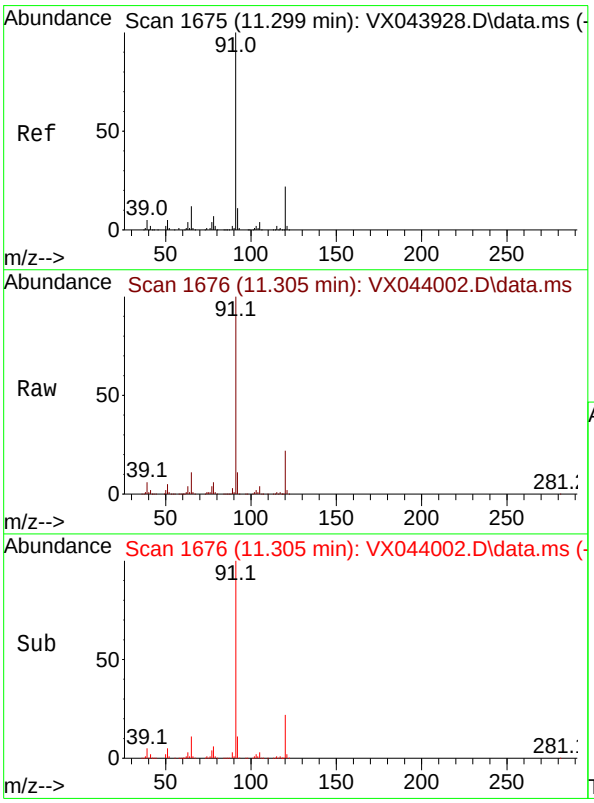
#77
Bromobenzene
Concen: 47.012 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 79395

Ion	Ratio	Lower	Upper
156	100		
77	164.7	83.4	250.1
158	98.4	47.6	142.8

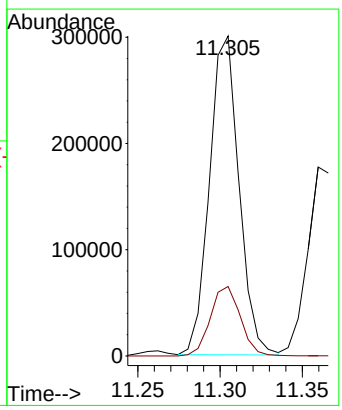


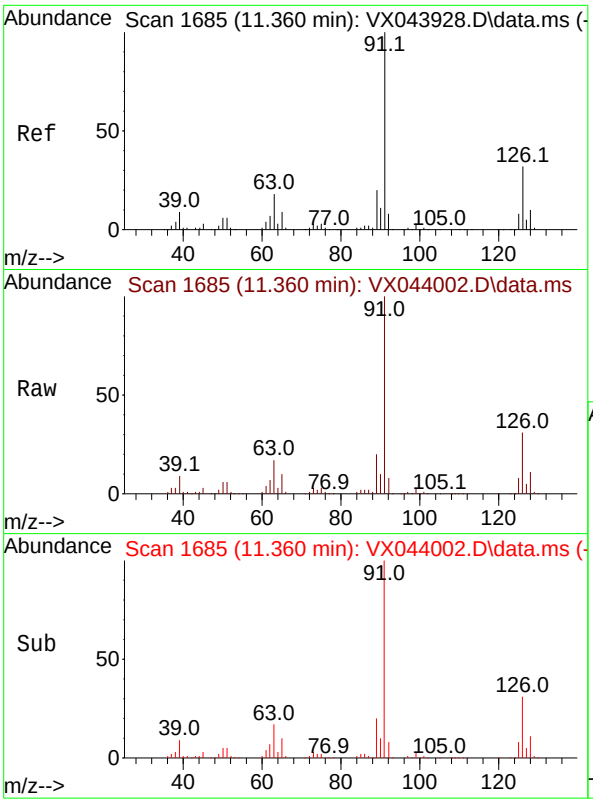


#78
n-propylbenzene
Concen: 47.443 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 375124

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4



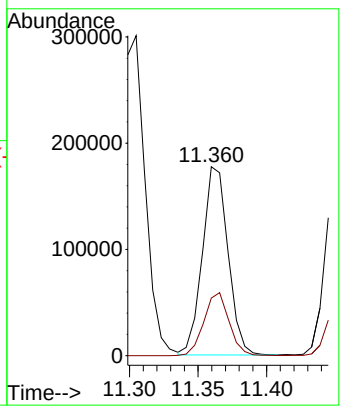


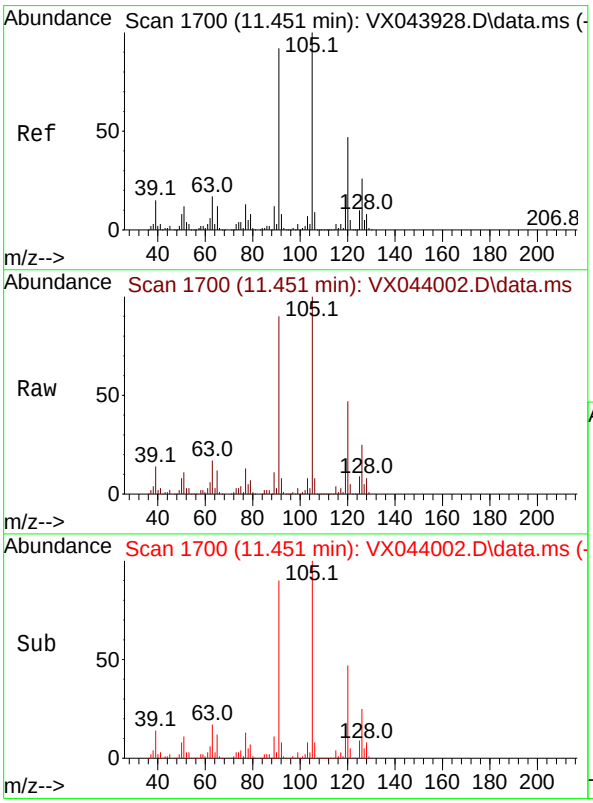
#79
2-Chlorotoluene
Concen: 46.093 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 230455

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.8

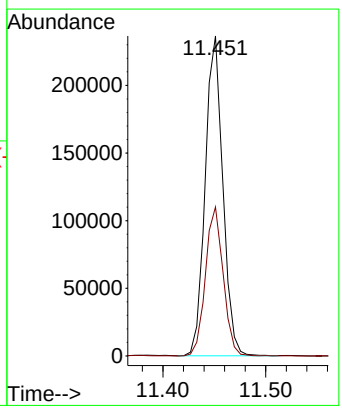


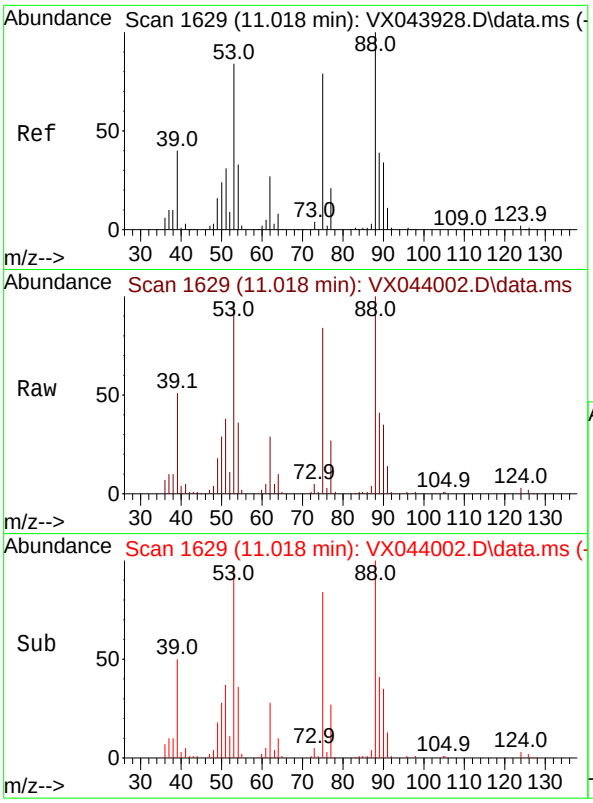


#80
1,3,5-Trimethylbenzene
Concen: 48.515 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 282567

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8



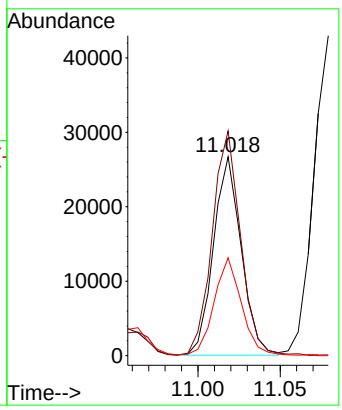


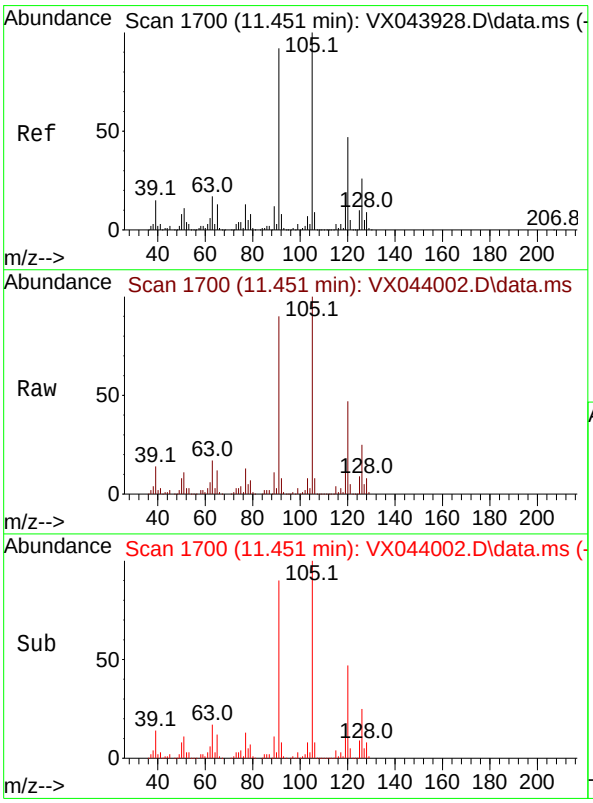
#81
trans-1,4-Dichloro-2-butene
Concen: 42.379 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 31367

Ion	Ratio	Lower	Upper
75	100		
53	114.3	86.7	130.1
89	49.1	38.2	57.2

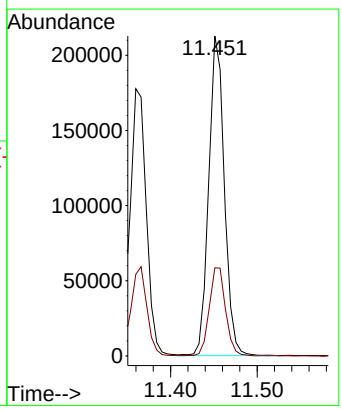


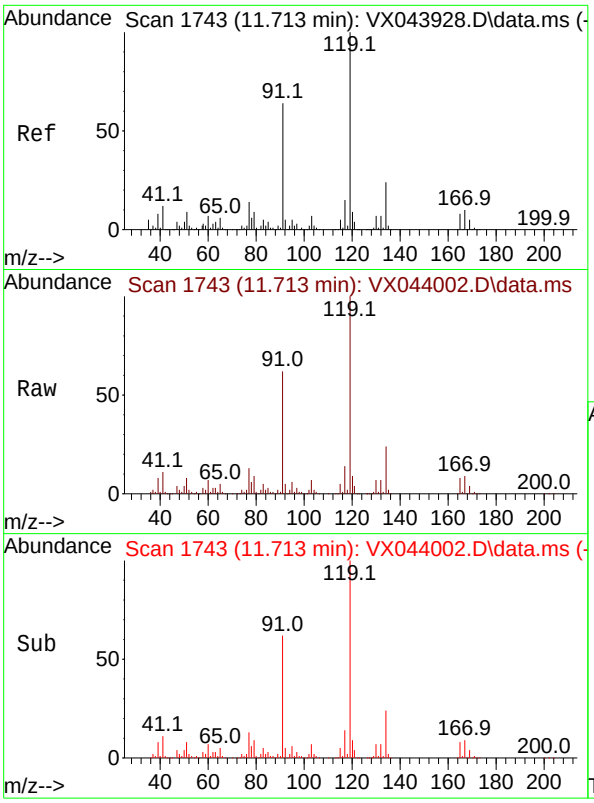


#82
4-Chlorotoluene
Concen: 47.210 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 266480

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9



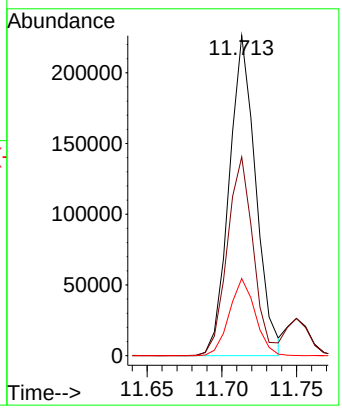


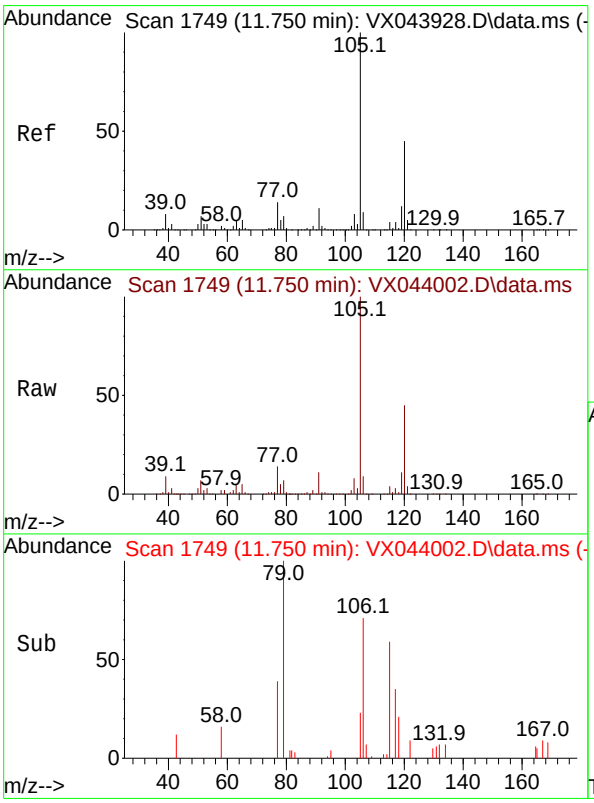
#83
tert-Butylbenzene
Concen: 48.465 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 279783

Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.0	93.0
134	23.5	11.6	34.8

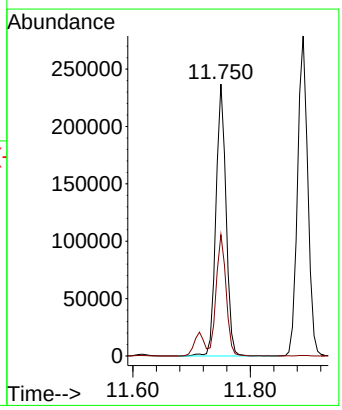


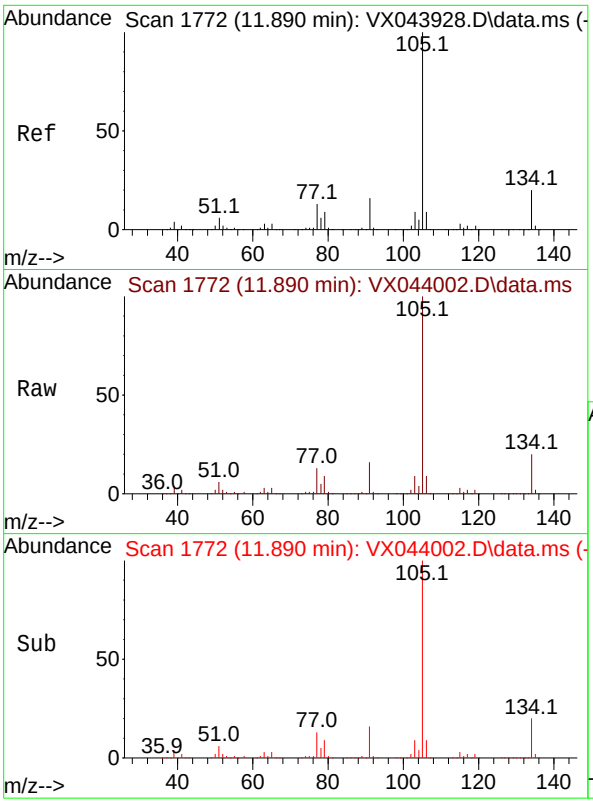


#84
1,2,4-Trimethylbenzene
Concen: 48.618 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 281922

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7



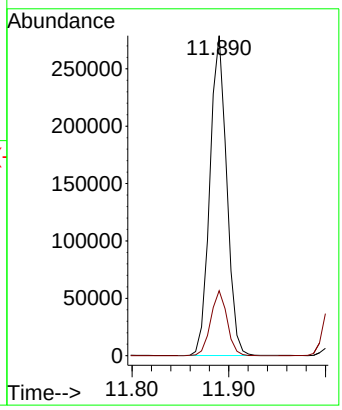


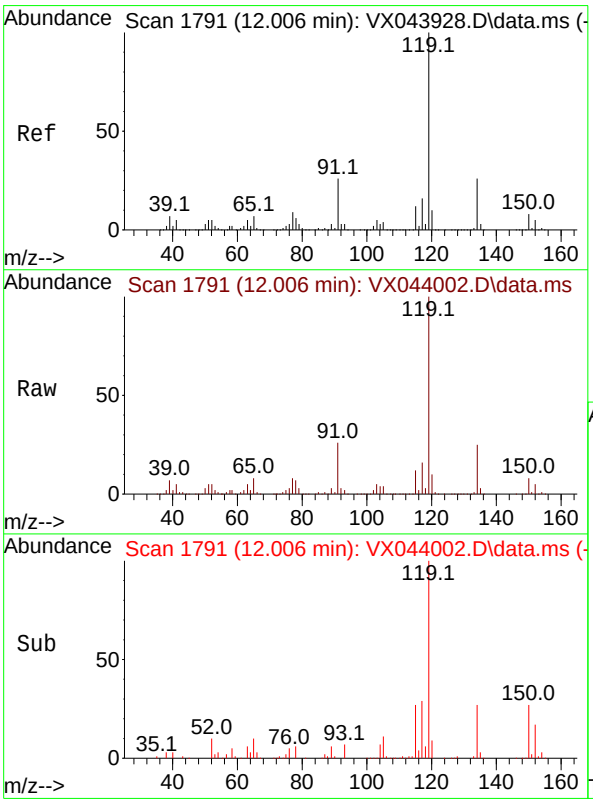
#85
sec-Butylbenzene
Concen: 47.629 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 336886

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

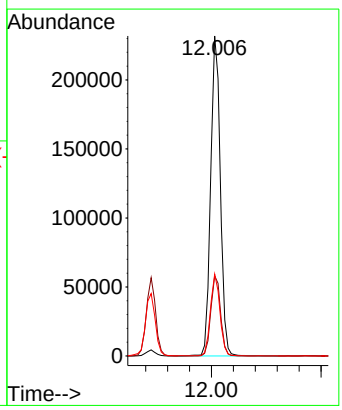


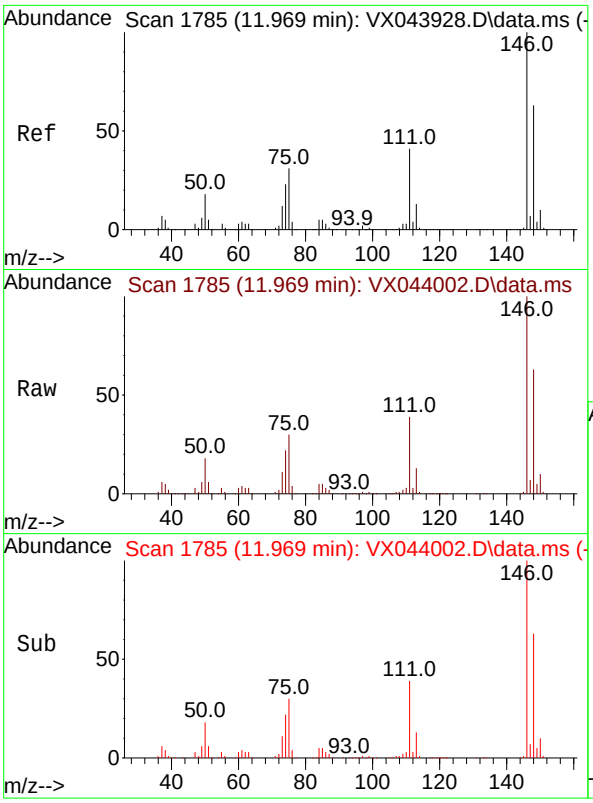


#86
p-Isopropyltoluene
Concen: 49.100 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:119 Resp: 282100

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	38.9
91	25.2	13.0	38.9



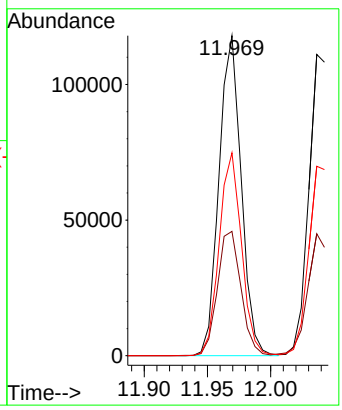


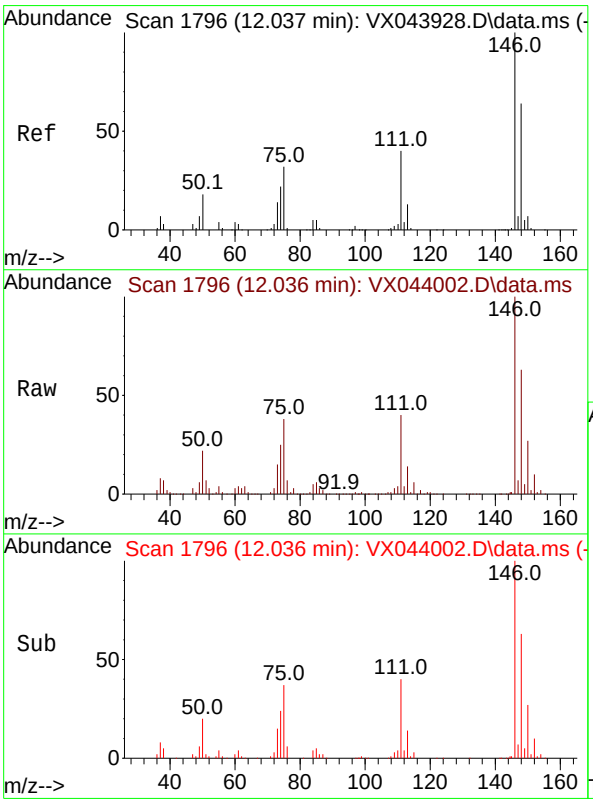
#87
1,3-Dichlorobenzene
Concen: 46.833 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 144052

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.7	31.7	95.1

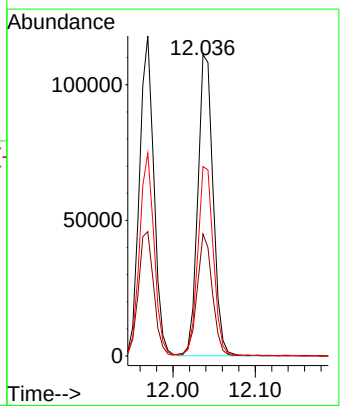


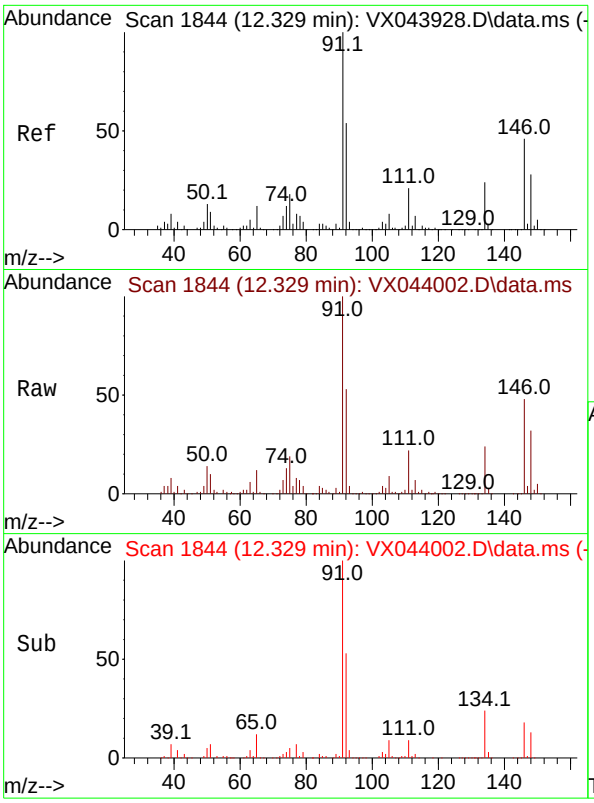


#88
1,4-Dichlorobenzene
Concen: 45.963 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:146 Resp: 144135

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.1	30.9	92.8



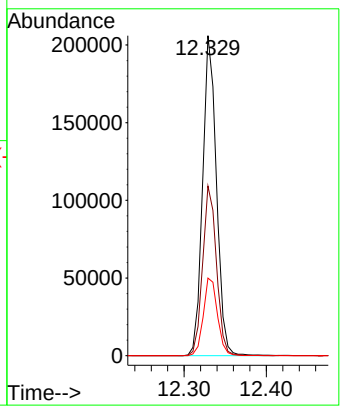


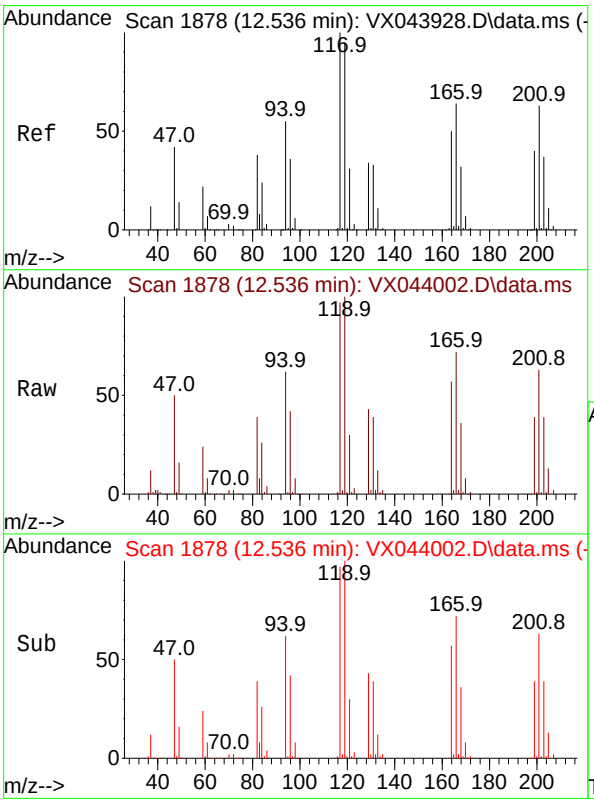
#89
n-Butylbenzene
Concen: 47.613 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 241187

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2

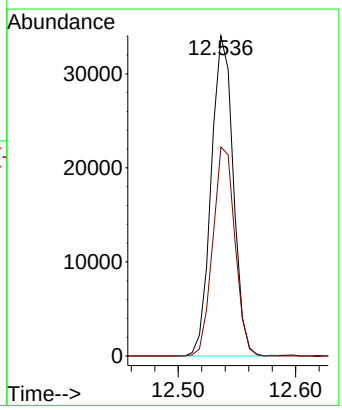


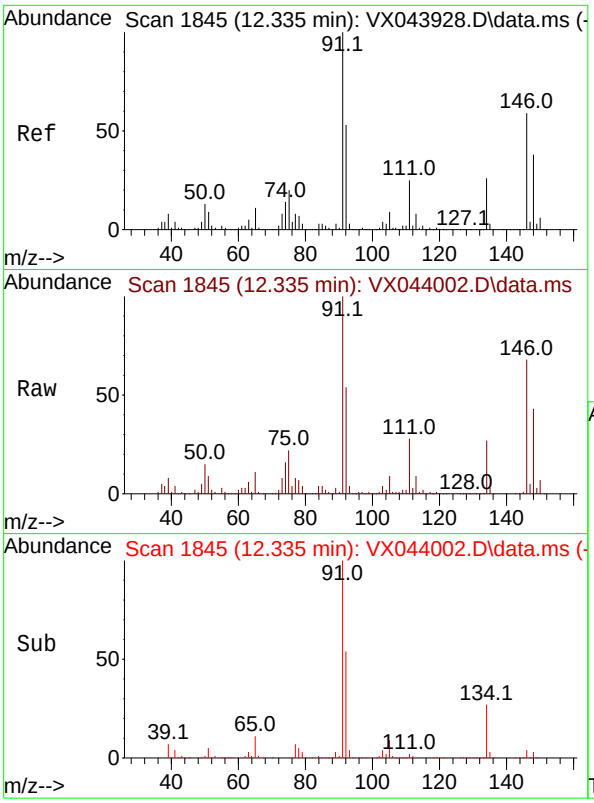


#90
Hexachloroethane
Concen: 45.341 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:117 Resp: 44297

Ion	Ratio	Lower	Upper
117	100		
201	65.9	32.4	97.0



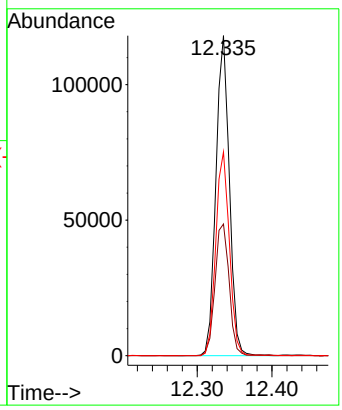


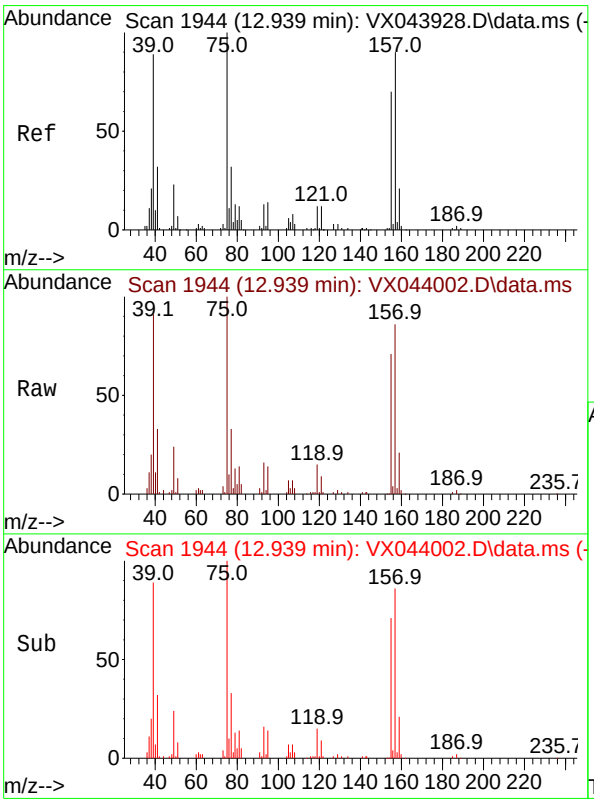
#91
1,2-Dichlorobenzene
Concen: 47.496 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 147432

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.6	31.9	95.5

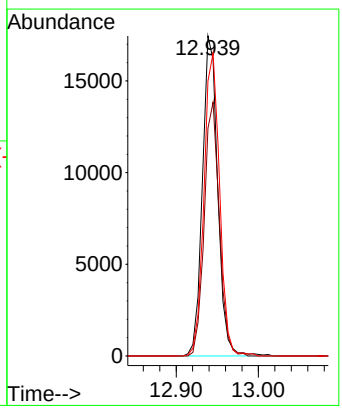


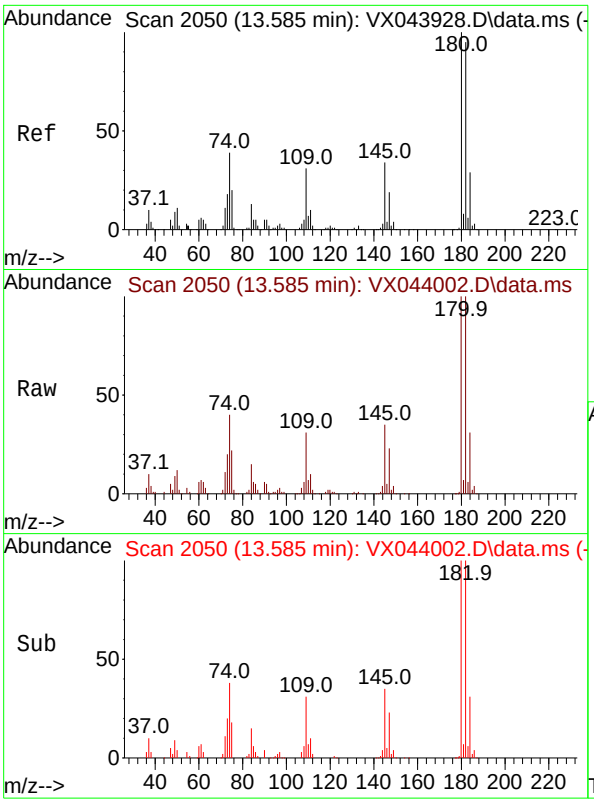


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.434 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion: 75 Resp: 22554

Ion	Ratio	Lower	Upper
75	100		
155	78.3	40.1	120.2
157	97.0	49.6	149.0



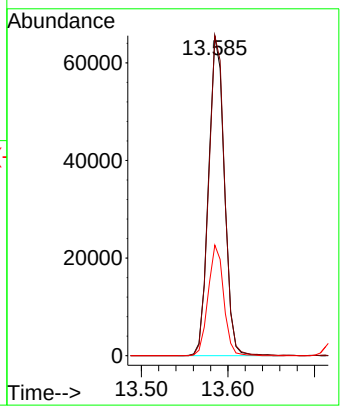


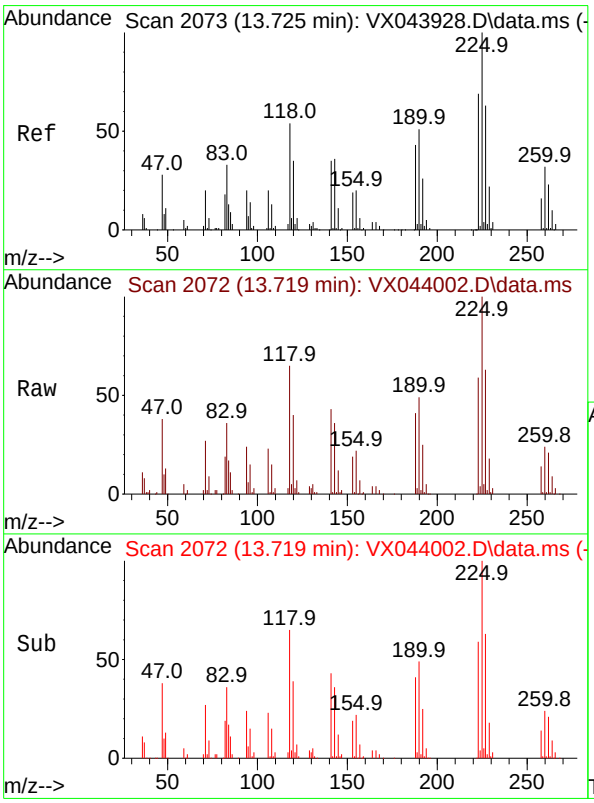
#93
1,2,4-Trichlorobenzene
Concen: 45.372 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 83033

Ion	Ratio	Lower	Upper
180	100		
182	100.3	48.0	144.2
145	34.0	16.8	50.4

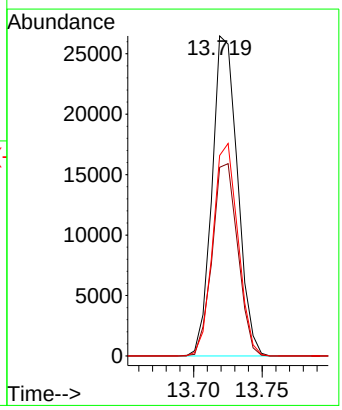


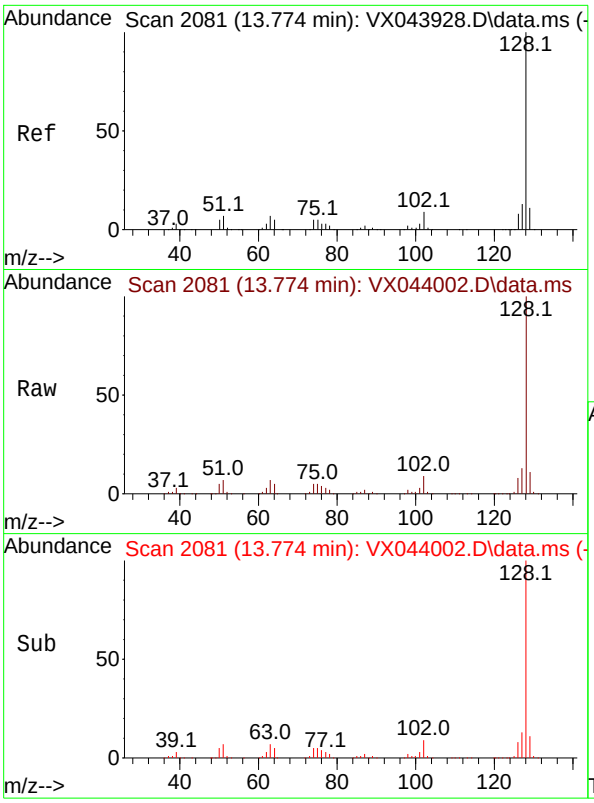


#94
Hexachlorobutadiene
Concen: 47.196 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:225 Resp: 34135

Ion	Ratio	Lower	Upper
225	100		
223	60.3	32.9	98.6
227	65.4	31.6	94.8



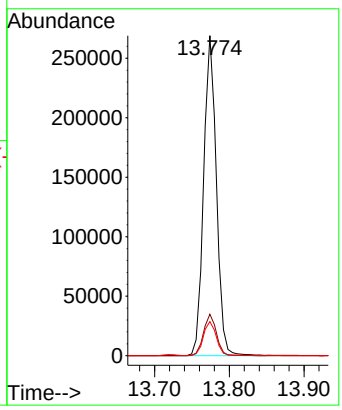


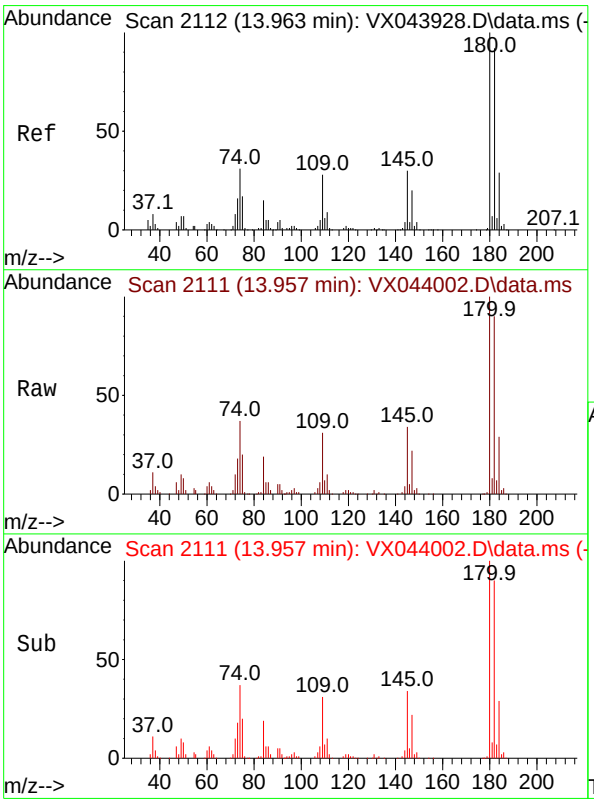
#95
Naphthalene
Concen: 48.261 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 317925

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

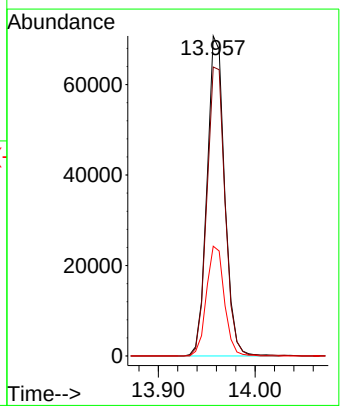




#96
1,2,3-Trichlorobenzene
Concen: 48.432 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044002.D
Acq: 25 Nov 2024 21:12

Tgt Ion:180 Resp: 89710

Ion	Ratio	Lower	Upper
180	100		
182	93.1	45.6	136.8
145	34.8	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	135994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	228315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	197529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110161	47.228	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.460%			
35) Dibromofluoromethane	5.379	113	82790	50.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.641	98	278812	49.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.079	95	96622	50.484	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	75702	43.941	ug/l	97
3) Chloromethane	1.295	50	78484	43.291	ug/l	98
4) Vinyl Chloride	1.374	62	87002	45.118	ug/l	96
5) Bromomethane	1.593	94	54518	45.957	ug/l	97
6) Chloroethane	1.666	64	56985	48.498	ug/l	95
7) Trichlorofluoromethane	1.874	101	152571	44.255	ug/l	97
8) Diethyl Ether	2.130	74	55836	44.435	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	75770	46.075	ug/l	99
10) Methyl Iodide	2.441	142	92105	44.845	ug/l	99
11) Tert butyl alcohol	2.989	59	82156	219.438	ug/l	98
12) 1,1-Dichloroethene	2.307	96	68952	44.001	ug/l	97
13) Acrolein	2.233	56	82214	208.335	ug/l	98
14) Allyl chloride	2.654	41	116809	45.619	ug/l	99
15) Acrylonitrile	3.056	53	215553	236.257	ug/l	98
16) Acetone	2.380	43	271476	253.405	ug/l	100
17) Carbon Disulfide	2.502	76	132536	41.002	ug/l	99
18) Methyl Acetate	2.697	43	117885	47.252	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257926	45.330	ug/l	99
20) Methylene Chloride	2.782	84	79518	43.739	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	71142	43.972	ug/l	98
22) Diisopropyl ether	3.751	45	249952	45.651	ug/l	90
23) Vinyl Acetate	3.715	43	1111841	237.383	ug/l	99
24) 1,1-Dichloroethane	3.599	63	143957	45.576	ug/l	100
25) 2-Butanone	4.550	43	339041	245.268	ug/l	97
26) 2,2-Dichloropropane	4.459	77	131573	46.124	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	90728	45.367	ug/l	100
28) Bromochloromethane	4.885	49	66554	47.869	ug/l	97
29) Tetrahydrofuran	5.001	42	198461	234.185	ug/l	99
30) Chloroform	5.080	83	155058	45.643	ug/l	98
31) Cyclohexane	5.458	56	114132	43.902	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	138038	47.118	ug/l	99
36) 1,1-Dichloropropene	5.678	75	99253	48.822	ug/l	98
37) Ethyl Acetate	4.702	43	123429	48.911	ug/l	99
38) Carbon Tetrachloride	5.666	117	113308	49.603	ug/l	96
39) Methylcyclohexane	7.373	83	124981	47.322	ug/l	97
40) Benzene	6.025	78	305074	48.176	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	63829	49.419	ug/l		94
42) 1,2-Dichloroethane	6.074	62	120257	47.284	ug/l		99
43) Isopropyl Acetate	6.330	43	196617	48.957	ug/l		100
44) Trichloroethene	7.117	130	75842	42.307	ug/l		91
45) 1,2-Dichloropropane	7.421	63	75782	48.861	ug/l		100
46) Dibromomethane	7.574	93	61145	49.837	ug/l		99
47) Bromodichloromethane	7.812	83	113694	51.670	ug/l		99
48) Methyl methacrylate	7.690	41	93154	48.339	ug/l		99
49) 1,4-Dioxane	7.659	88	31832	927.311	ug/l		90
51) 4-Methyl-2-Pentanone	8.568	43	617411	251.920	ug/l		100
52) Toluene	8.714	92	183717	48.472	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	113108	50.408	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	121994	49.594	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	74997	47.934	ug/l		98
56) Ethyl methacrylate	9.110	69	121922	50.030	ug/l		99
57) 1,3-Dichloropropane	9.305	76	130708	49.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	319778	239.296	ug/l		99
59) 2-Hexanone	9.427	43	476916	258.897	ug/l		99
60) Dibromochloromethane	9.519	129	82084	52.290	ug/l		98
61) 1,2-Dibromoethane	9.604	107	79068	49.979	ug/l		99
64) Tetrachloroethene	9.269	164	62677	48.121	ug/l		97
65) Chlorobenzene	10.073	112	203884	46.996	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	70900	50.392	ug/l		99
67) Ethyl Benzene	10.189	91	355247	48.325	ug/l		98
68) m/p-Xylenes	10.299	106	263420	96.088	ug/l		100
69) o-Xylene	10.640	106	129159	48.254	ug/l		97
70) Styrene	10.653	104	223116	50.399	ug/l		99
71) Bromoform	10.799	173	50248	47.213	ug/l	#	99
73) Isopropylbenzene	10.957	105	339978	47.752	ug/l		99
74) N-amyl acetate	10.842	43	161635	49.007	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	117371	48.146	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	128701	63.364	ug/l		82
77) Bromobenzene	11.195	156	81644	48.072	ug/l		99
78) n-propylbenzene	11.299	91	391796	49.273	ug/l		99
79) 2-Chlorotoluene	11.360	91	234054	46.549	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	285548	48.750	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	35271	47.385	ug/l		94
82) 4-Chlorotoluene	11.451	91	276164	48.649	ug/l		99
83) tert-Butylbenzene	11.713	119	280949	48.392	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	288545	49.480	ug/l		99
85) sec-Butylbenzene	11.890	105	350478	49.271	ug/l		99
86) p-Isopropyltoluene	12.006	119	297712	51.525	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	147898	47.812	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	147915	46.902	ug/l		99
89) n-Butylbenzene	12.329	91	261214	51.276	ug/l		100
90) Hexachloroethane	12.536	117	47951	48.805	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	153709	49.239	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24192	49.526	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	88506	48.090	ug/l		99
94) Hexachlorobutadiene	13.725	225	36855	50.669	ug/l		99
95) Naphthalene	13.774	128	330189	49.840	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	92201	49.496	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

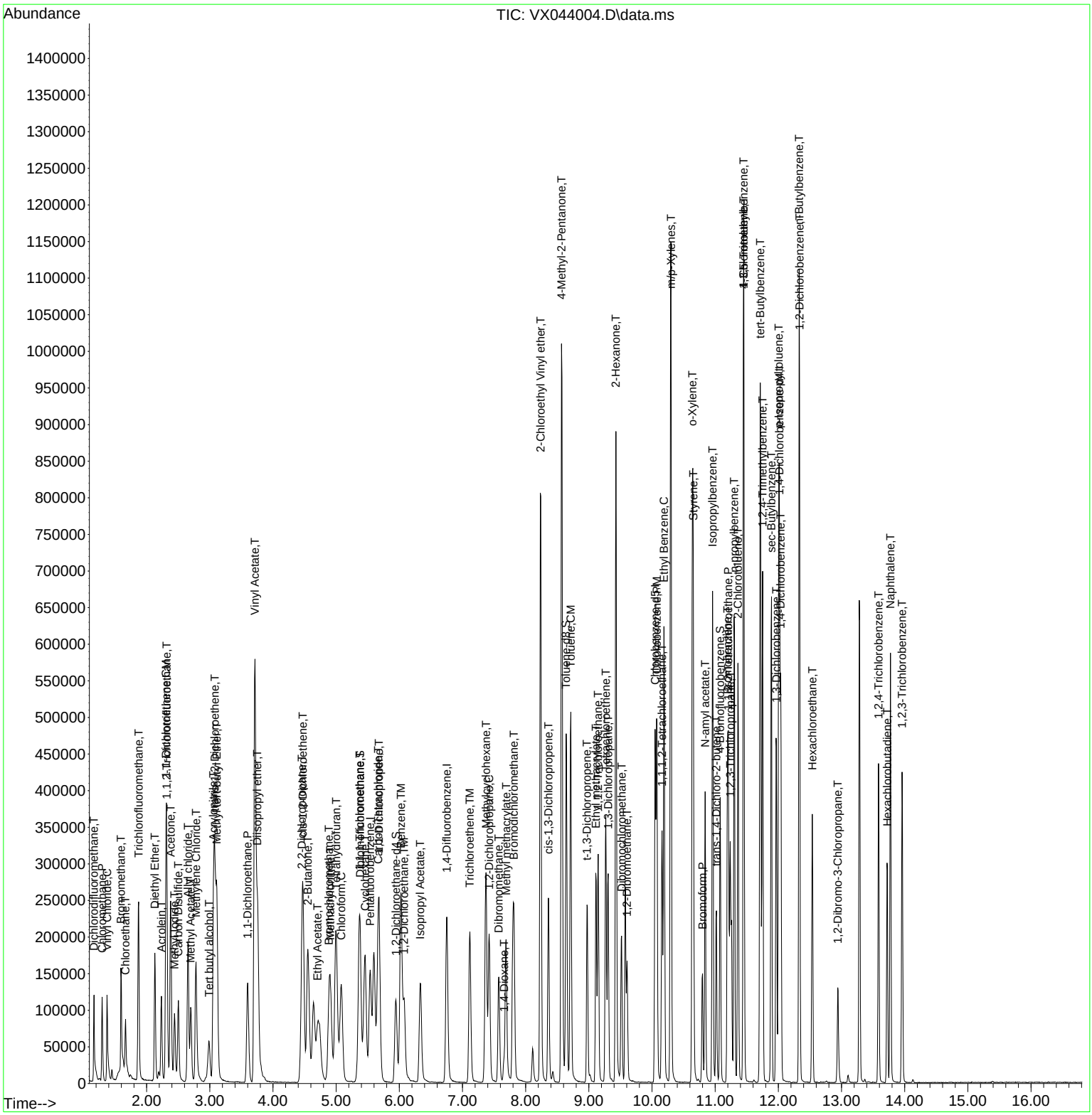
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

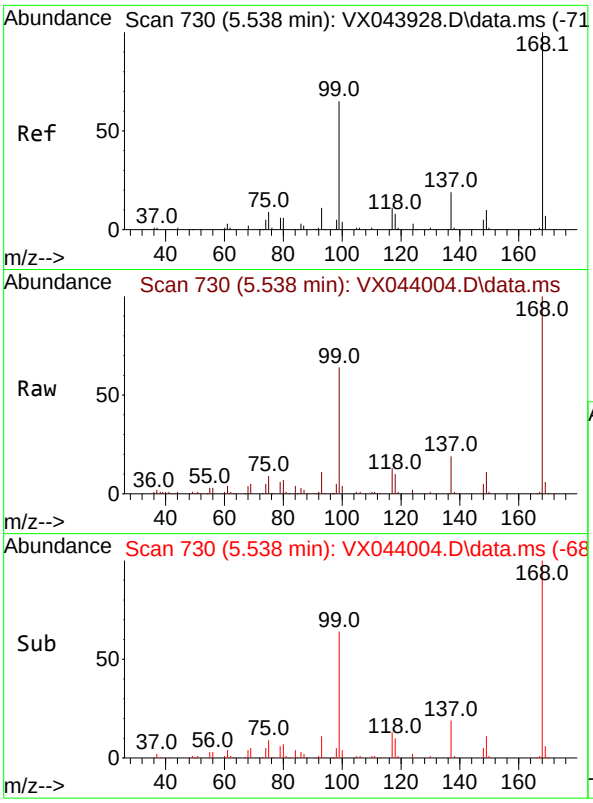
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On : 26 Nov 2024 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 27 00:45:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



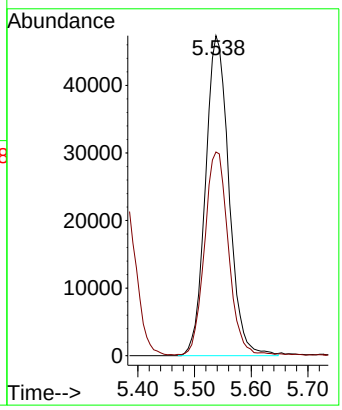


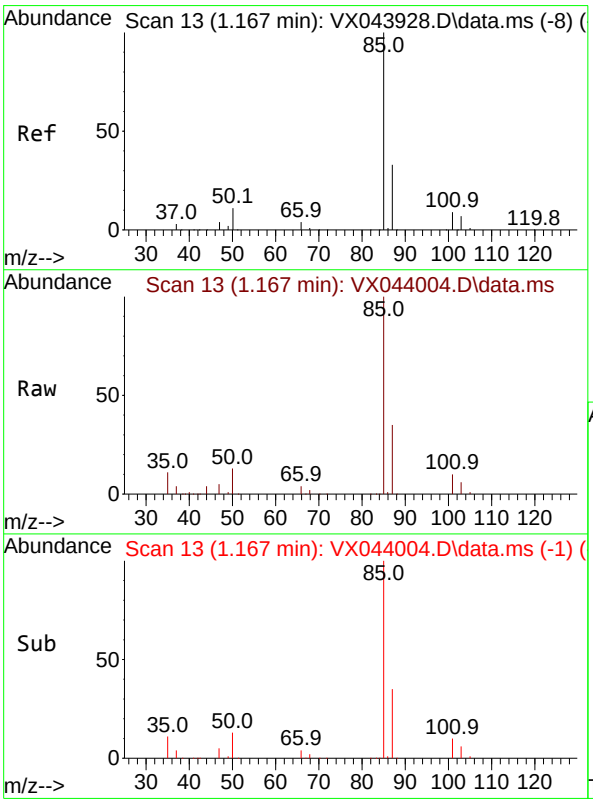
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 135994

Ion	Ratio	Lower	Upper
168	100		
99	63.3	51.8	77.8

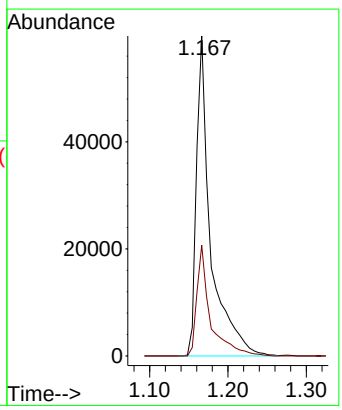


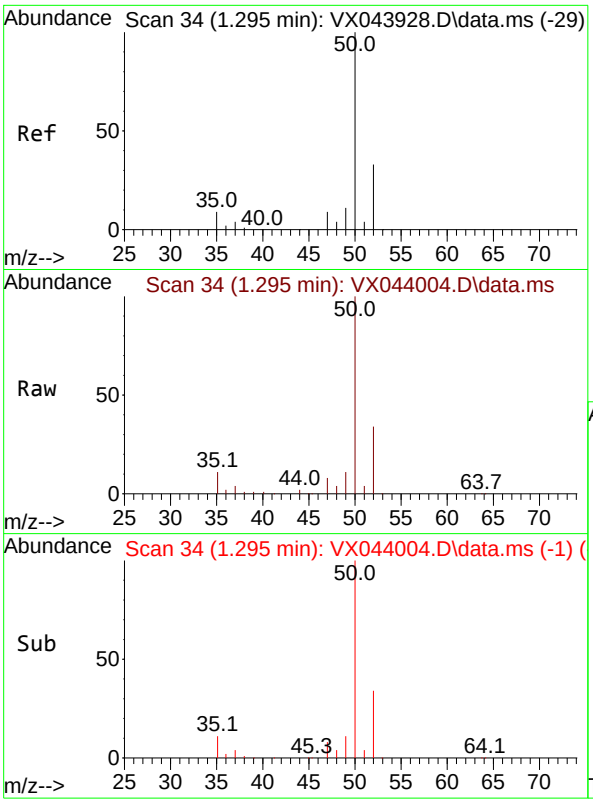


#2
Dichlorodifluoromethane
Concen: 43.941 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 85 Resp: 75702

Ion	Ratio	Lower	Upper
85	100		
87	34.7	16.6	49.8



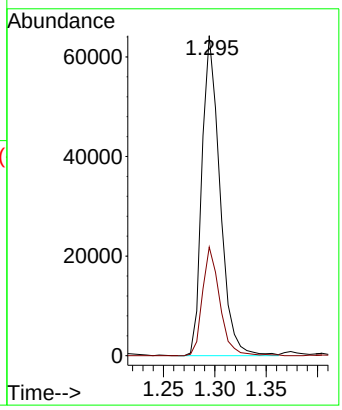


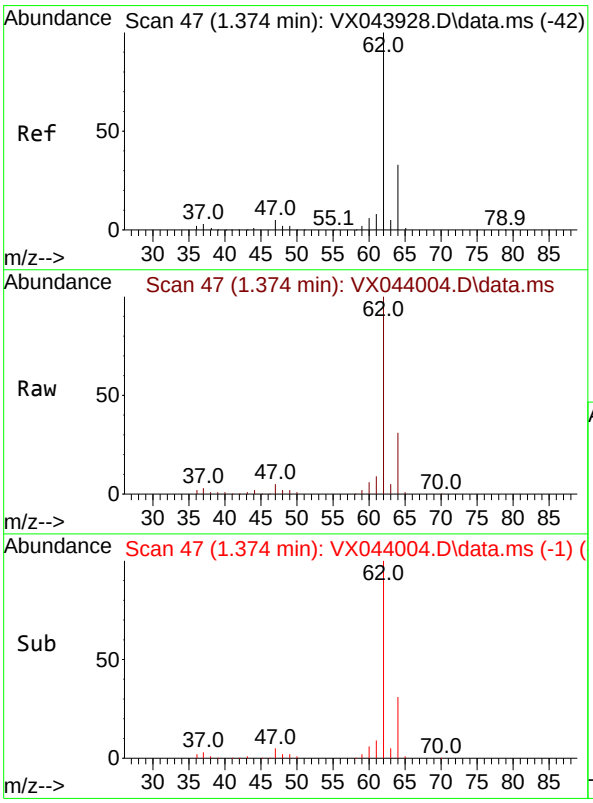
#3
Chloromethane
Concen: 43.291 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 78484

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.1	39.1

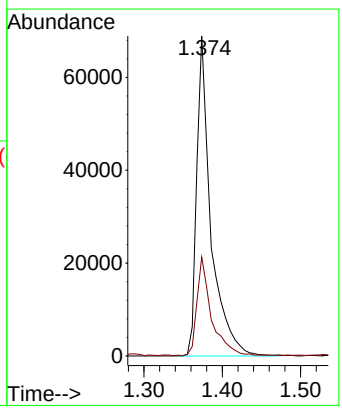


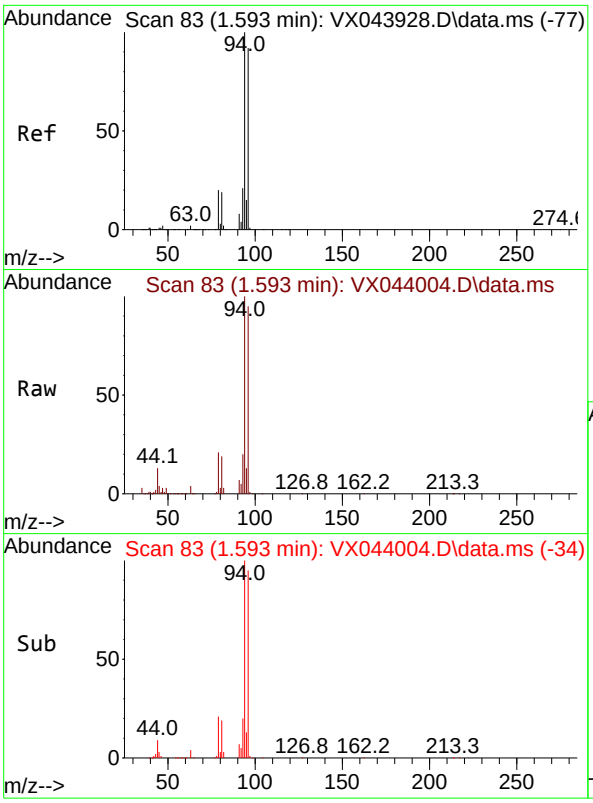


#4
Vinyl Chloride
Concen: 45.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 87002

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4



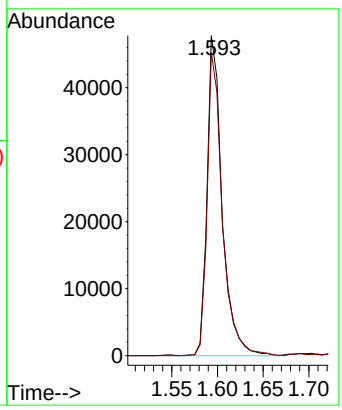


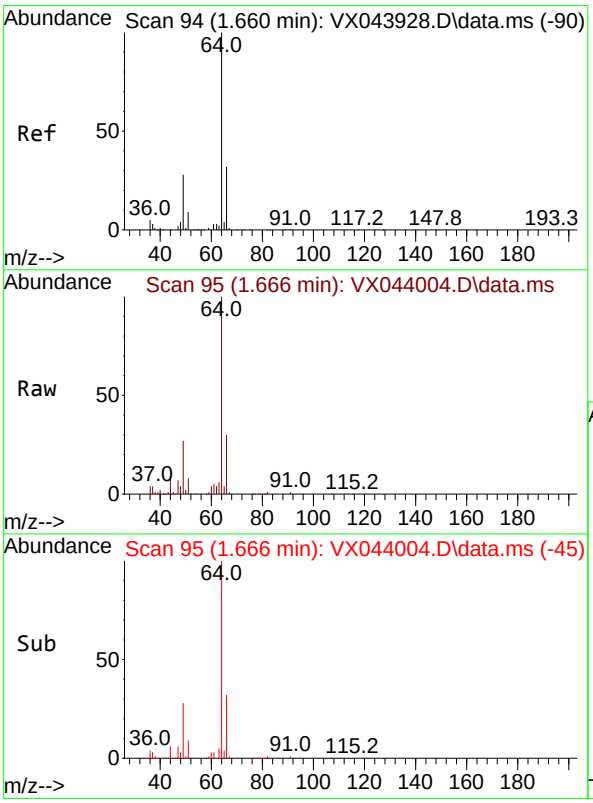
#5
Bromomethane
Concen: 45.957 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 54518

Ion	Ratio	Lower	Upper
94	100		
96	94.8	73.9	110.9

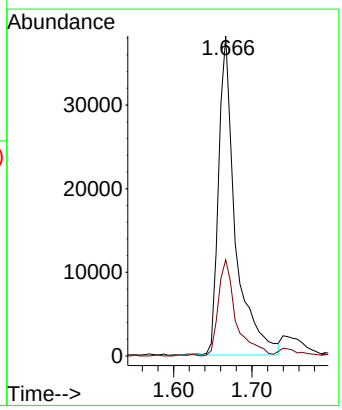


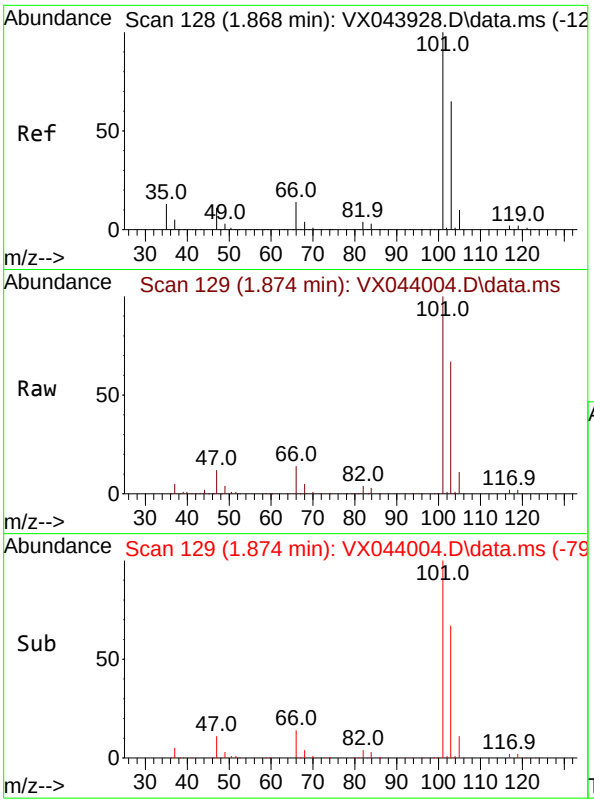


#6
Chloroethane
Concen: 48.498 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 64 Resp: 56985

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.9	38.9



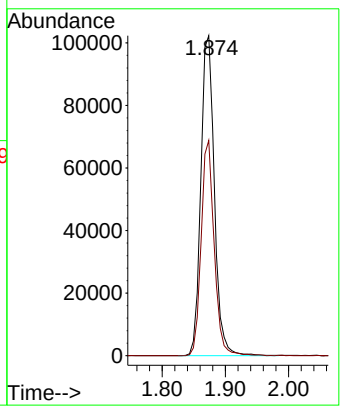


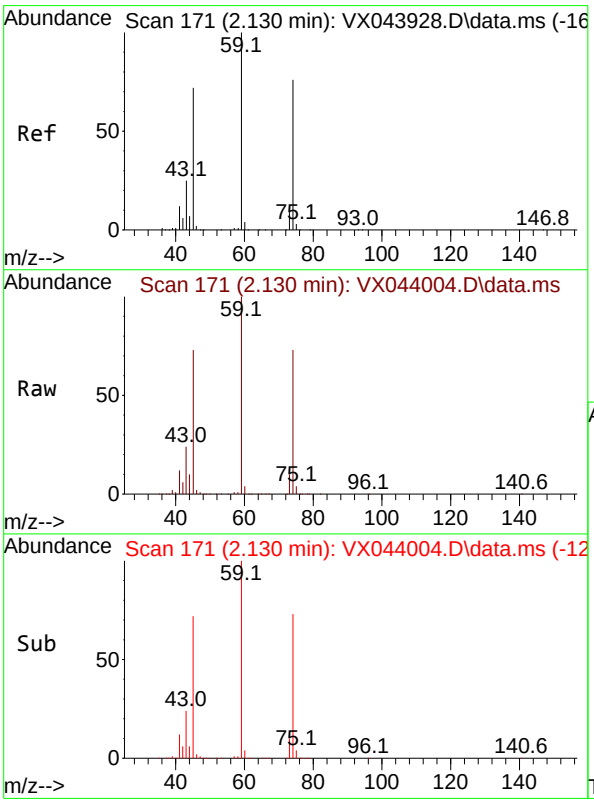
#7
Trichlorofluoromethane
Concen: 44.255 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 152571

Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.2	78.2

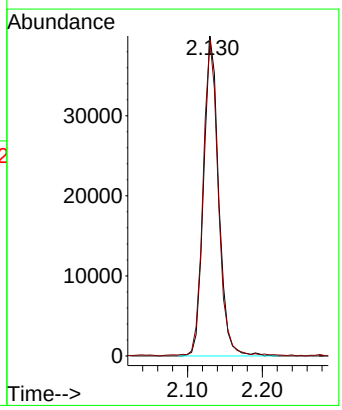


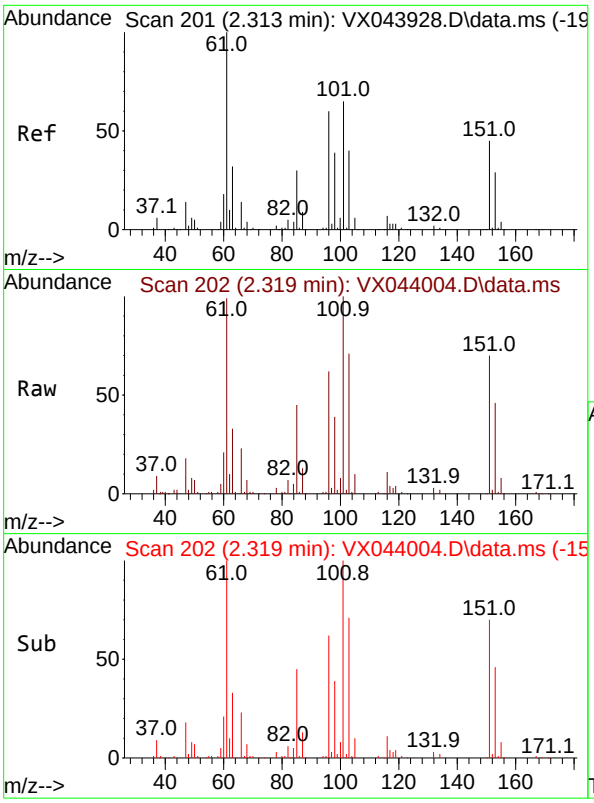


#8
Diethyl Ether
Concen: 44.435 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 74 Resp: 55836

Ion	Ratio	Lower	Upper
74	100		
45	100.7	47.9	143.6



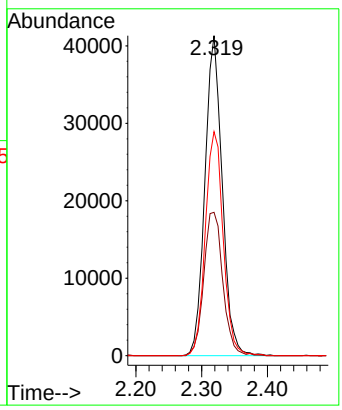


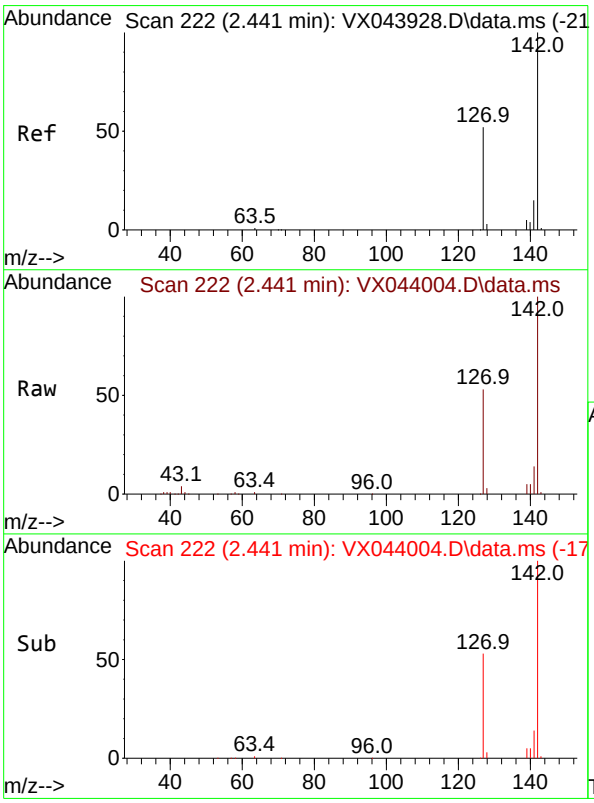
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.075 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 75770

Ion	Ratio	Lower	Upper
101	100		
85	49.2	37.9	56.9
151	72.2	57.5	86.3

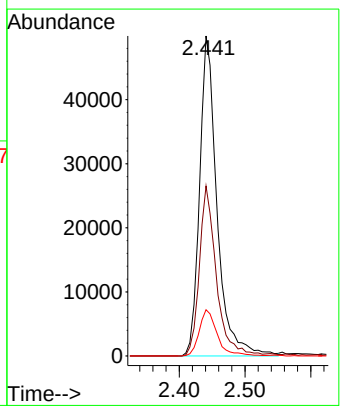


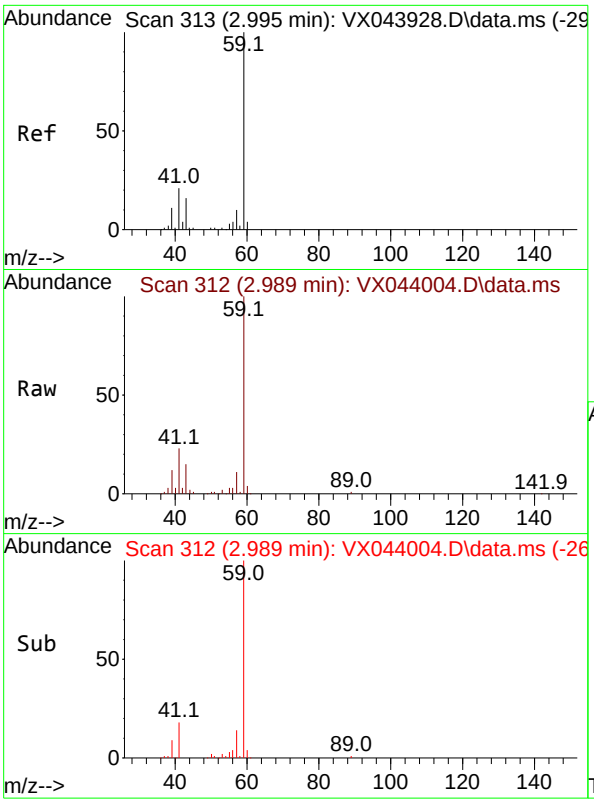


#10
Methyl Iodide
Concen: 44.845 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:142 Resp: 92105

Ion	Ratio	Lower	Upper
142	100		
127	52.1	40.7	61.1
141	14.9	12.0	18.0



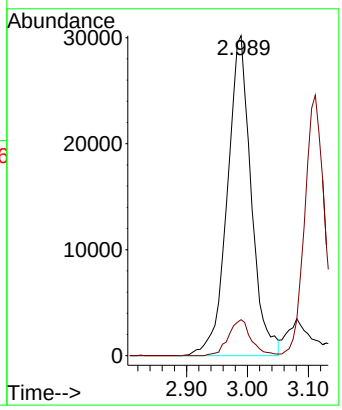


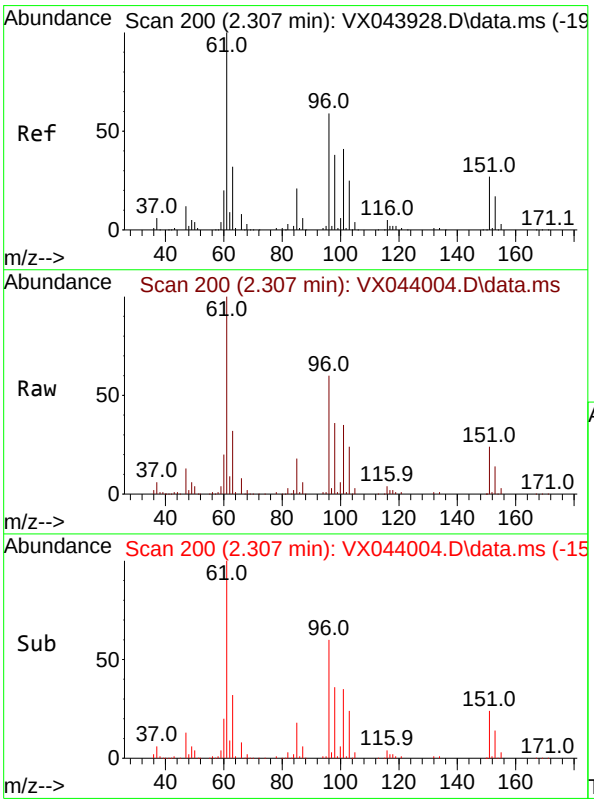
#11
Tert butyl alcohol
Concen: 219.438 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 82156

Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.9	11.9

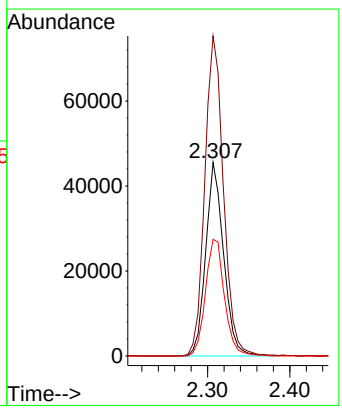


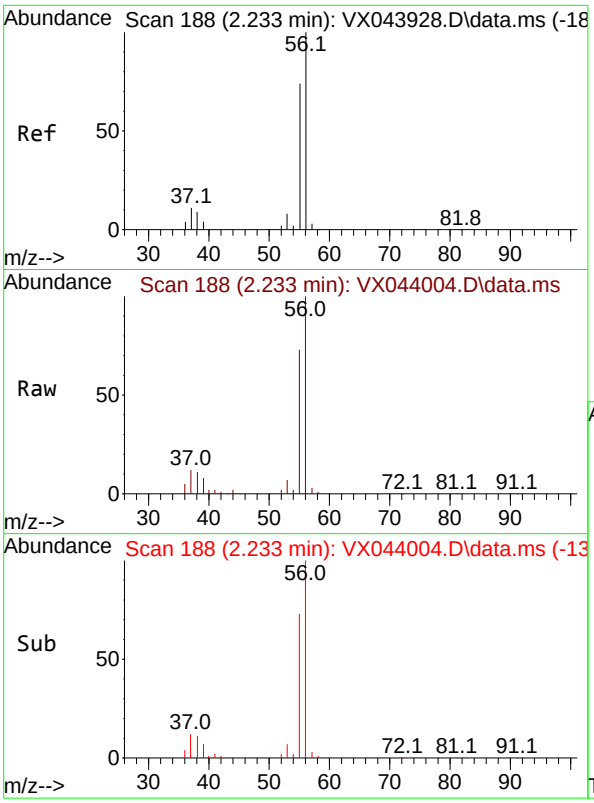


#12
1,1-Dichloroethene
Concen: 44.001 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 96 Resp: 68952

Ion	Ratio	Lower	Upper
96	100		
61	165.4	135.5	203.3
98	60.3	50.8	76.2



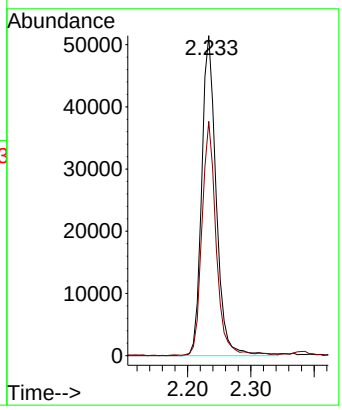


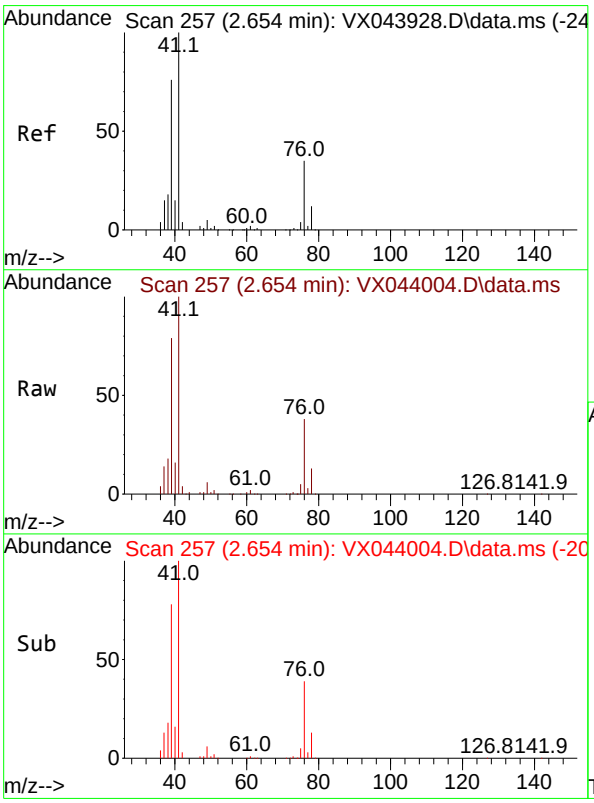
#13
Acrolein
Concen: 208.335 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 82214

Ion	Ratio	Lower	Upper
56	100		
55	71.4	58.2	87.2

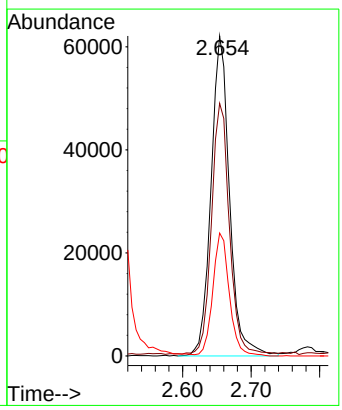


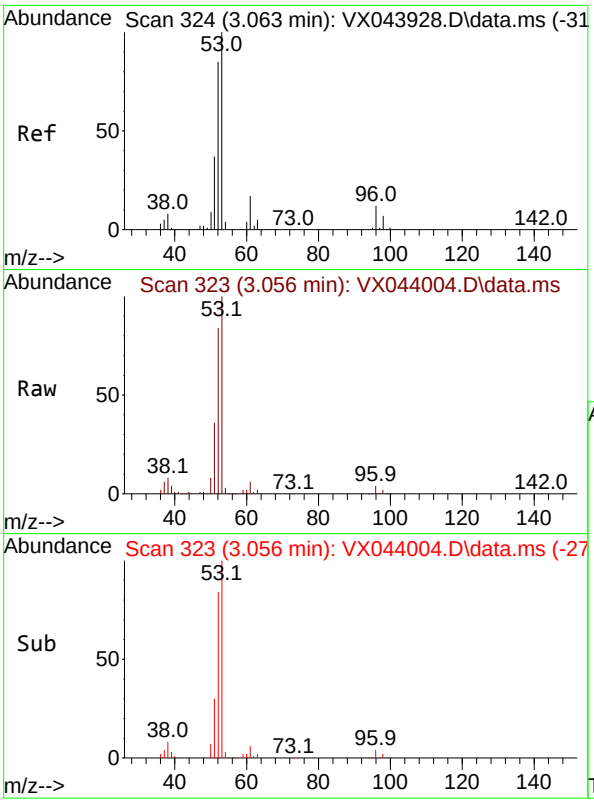


#14
Allyl chloride
Concen: 45.619 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 41 Resp: 116809

Ion	Ratio	Lower	Upper
41	100		
39	75.9	59.5	89.3
76	34.3	27.4	41.2



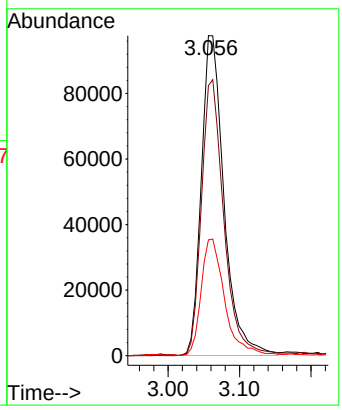


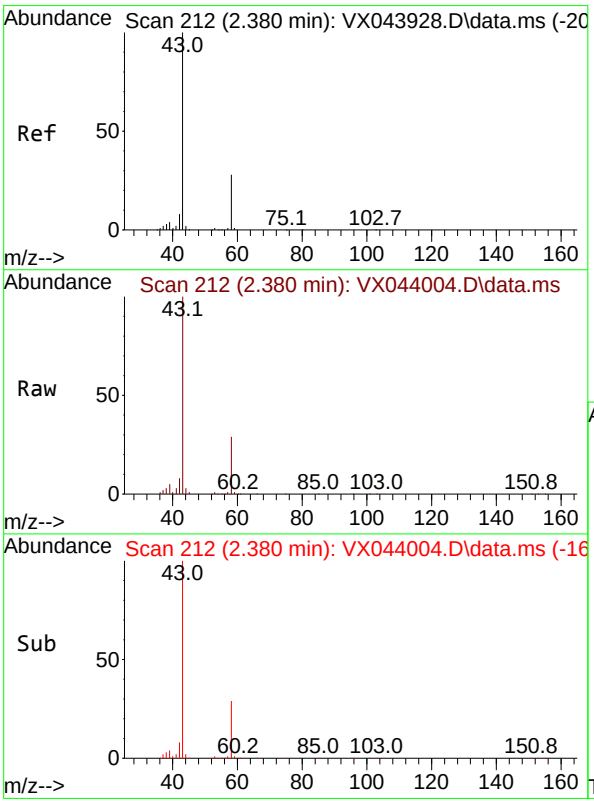
#15
Acrylonitrile
Concen: 236.257 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 215553

Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.5	99.7
51	37.6	30.2	45.4

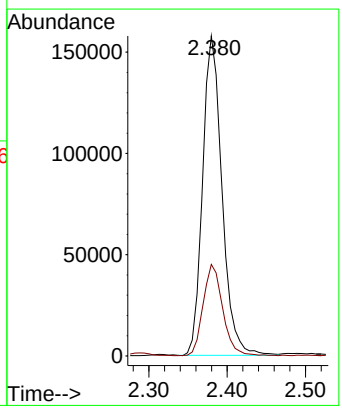


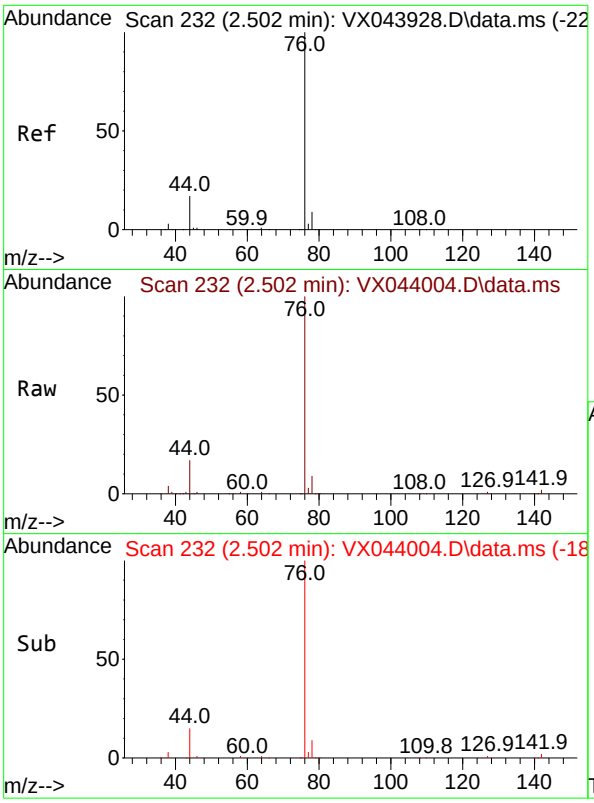


#16
Acetone
Concen: 253.405 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 271476

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1



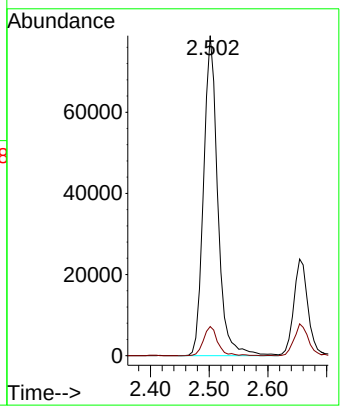


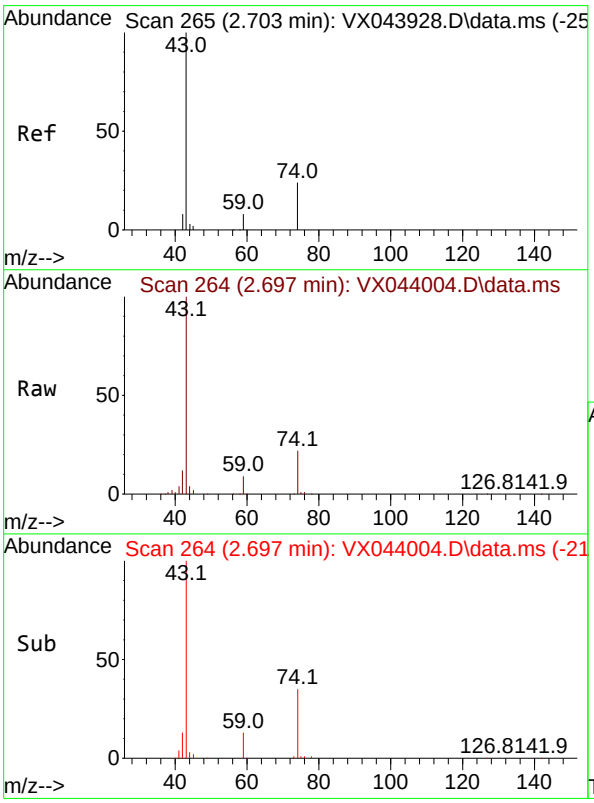
#17
Carbon Disulfide
Concen: 41.002 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 132536

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

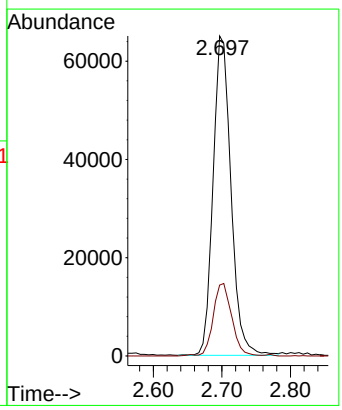


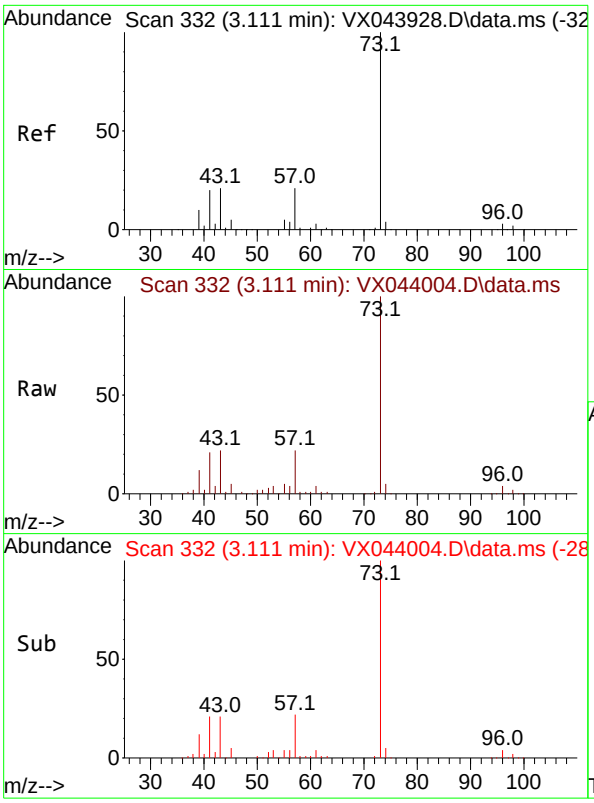


#18
Methyl Acetate
Concen: 47.252 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 117885

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3



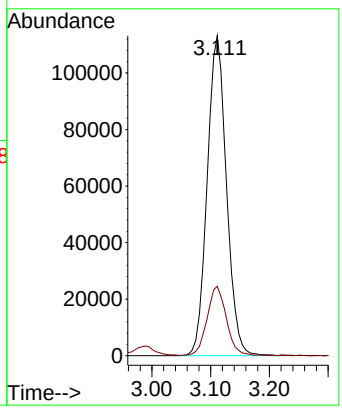


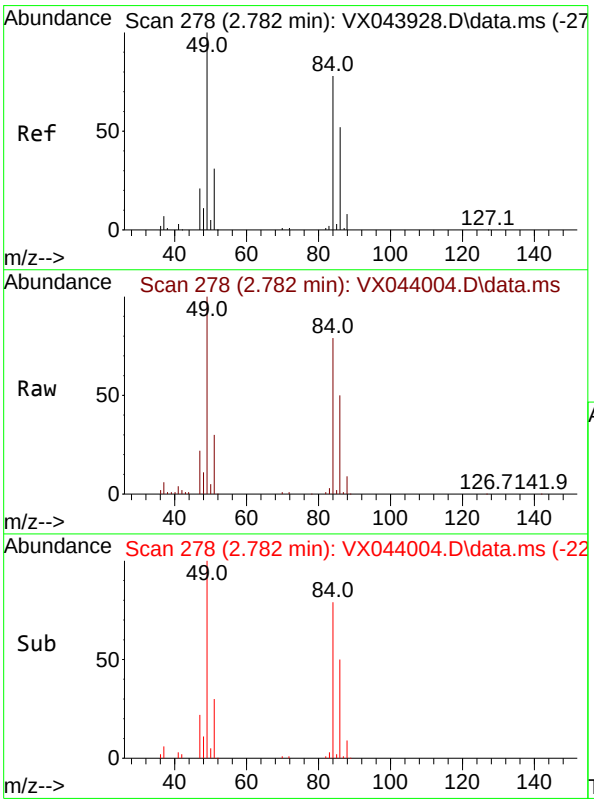
#19
Methyl tert-butyl Ether
Concen: 45.330 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 257926

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.0	25.6

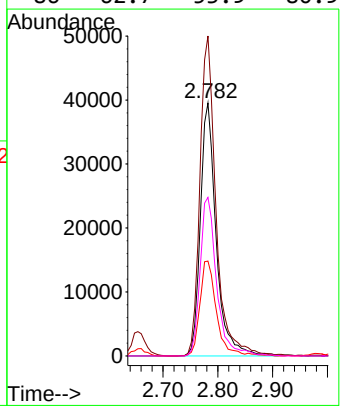


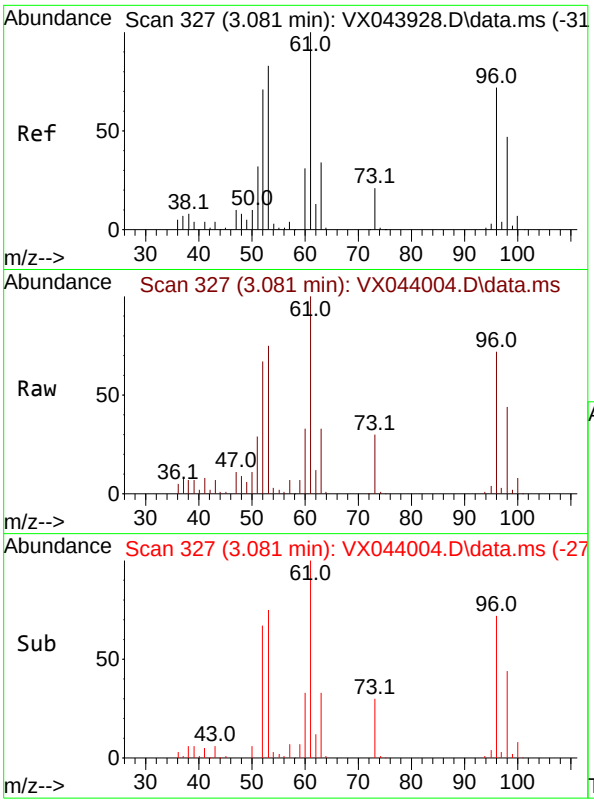


#20
Methylene Chloride
Concen: 43.739 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 84 Resp: 79518

Ion	Ratio	Lower	Upper
84	100		
49	126.5	102.7	154.1
51	37.5	31.7	47.5
86	62.7	53.9	80.9



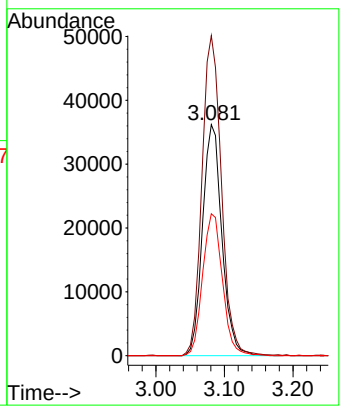


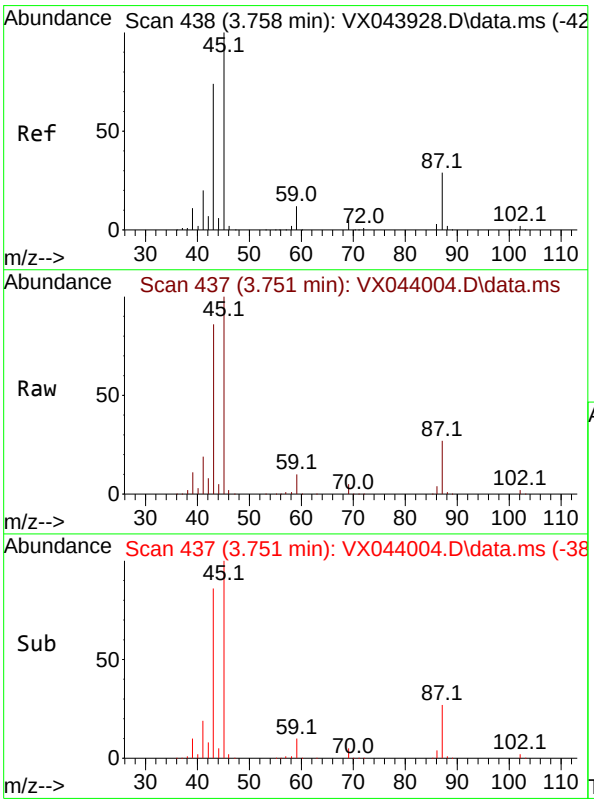
#21
trans-1,2-Dichloroethene
Concen: 43.972 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 71142

Ion	Ratio	Lower	Upper
96	100		
61	138.5	111.8	167.6
98	61.4	52.7	79.1

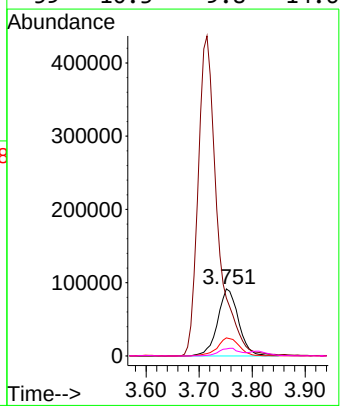


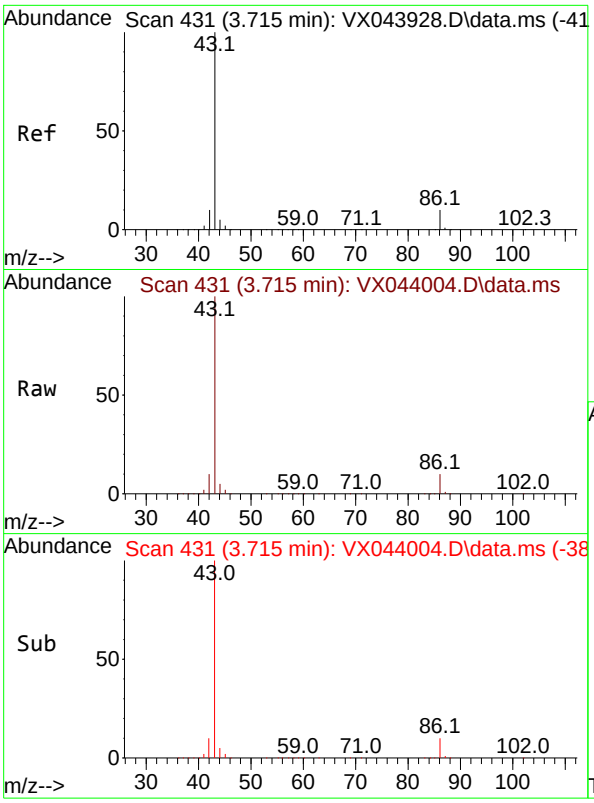


#22
Diisopropyl ether
Concen: 45.651 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 45 Resp: 249952

Ion	Ratio	Lower	Upper
45	100		
43	86.0	59.6	89.4
87	26.8	22.9	34.3
59	10.3	9.8	14.6



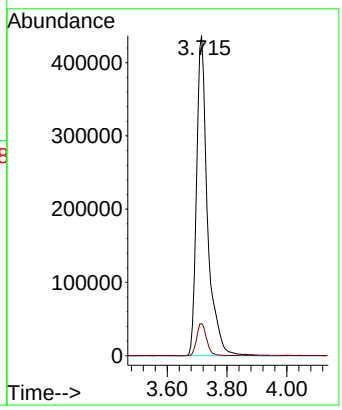


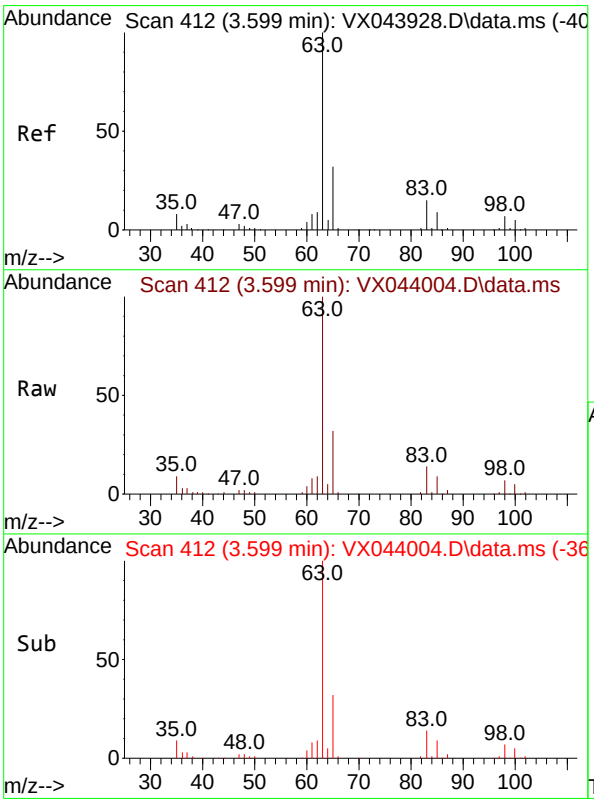
#23
Vinyl Acetate
Concen: 237.383 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1111841

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

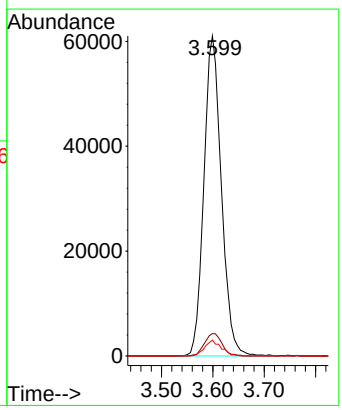


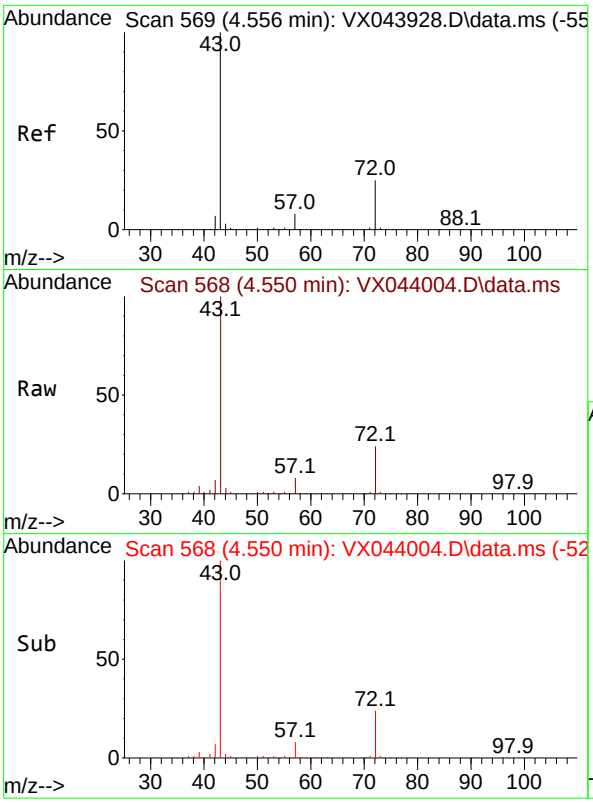


#24
1,1-Dichloroethane
Concen: 45.576 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 63 Resp: 143957

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.9	2.4	7.1



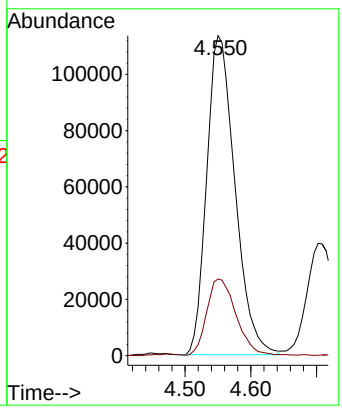


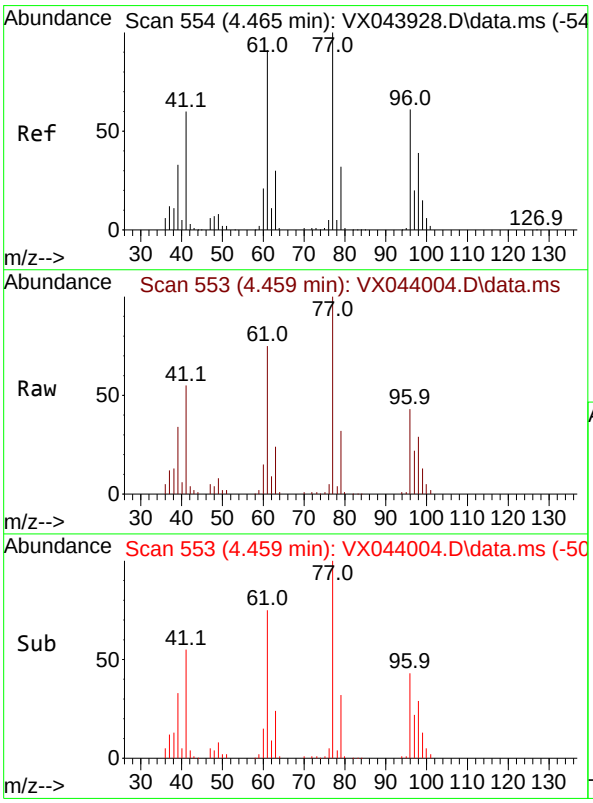
#25
2-Butanone
Concen: 245.268 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 339041

Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.2	30.2

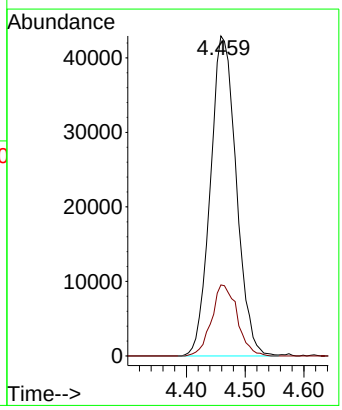


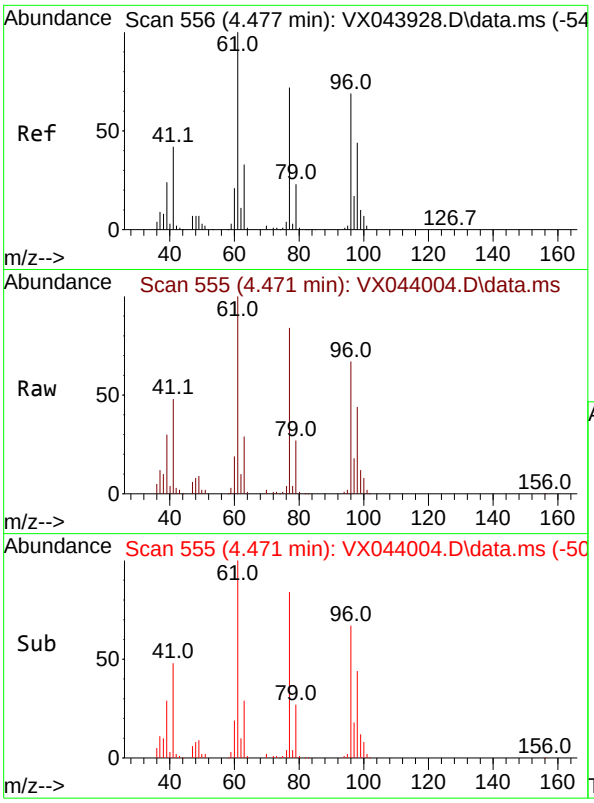


#26
2,2-Dichloropropane
Concen: 46.124 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 77 Resp: 131573

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



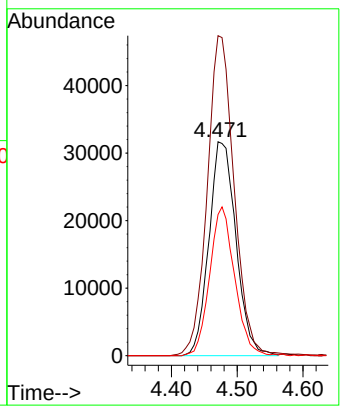


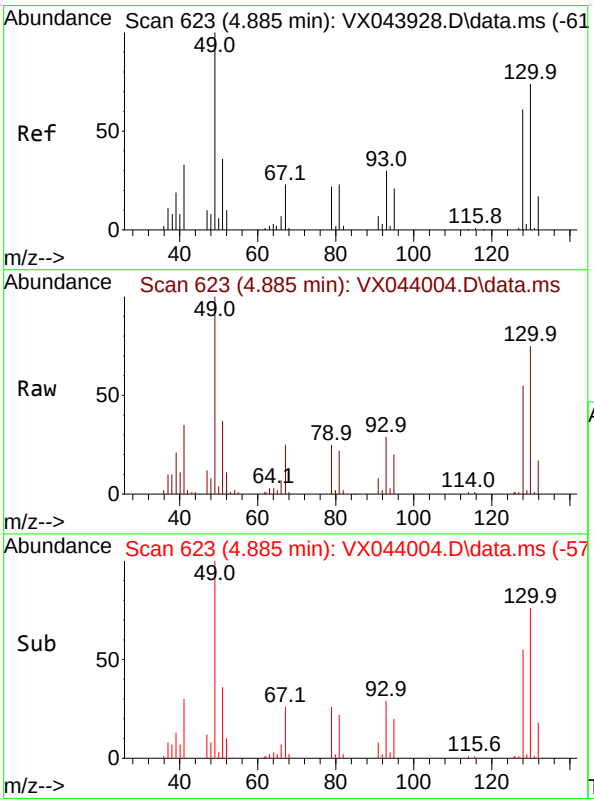
#27
cis-1,2-Dichloroethene
Concen: 45.367 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 90728

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	297.4
98	64.0	0.0	127.8

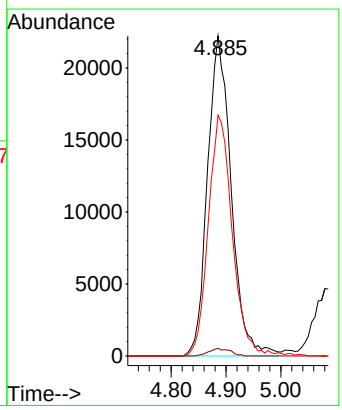


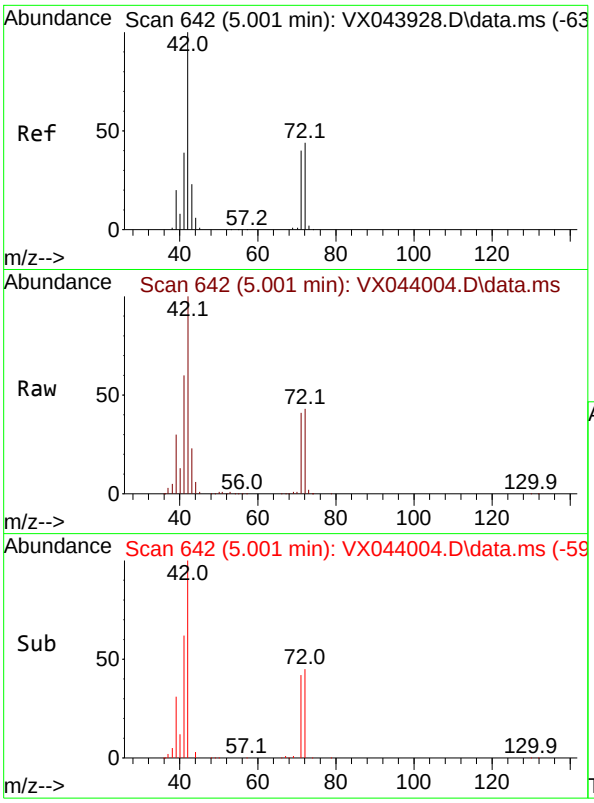


#28
Bromochloromethane
Concen: 47.869 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 49 Resp: 66554

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	76.1	59.0	88.6



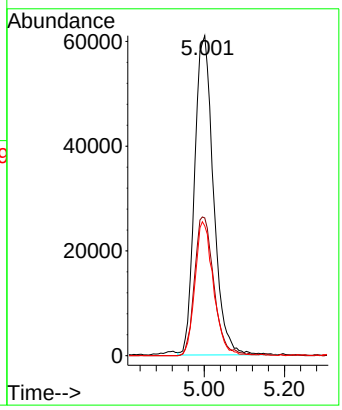


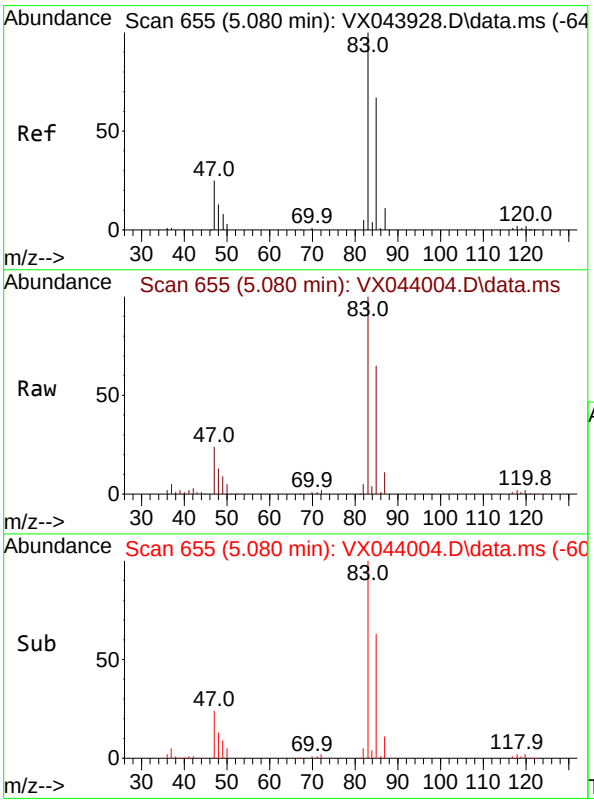
#29
Tetrahydrofuran
Concen: 234.185 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 198461

Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.4	54.6
71	41.3	33.4	50.0

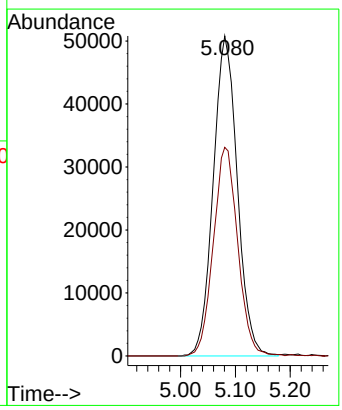


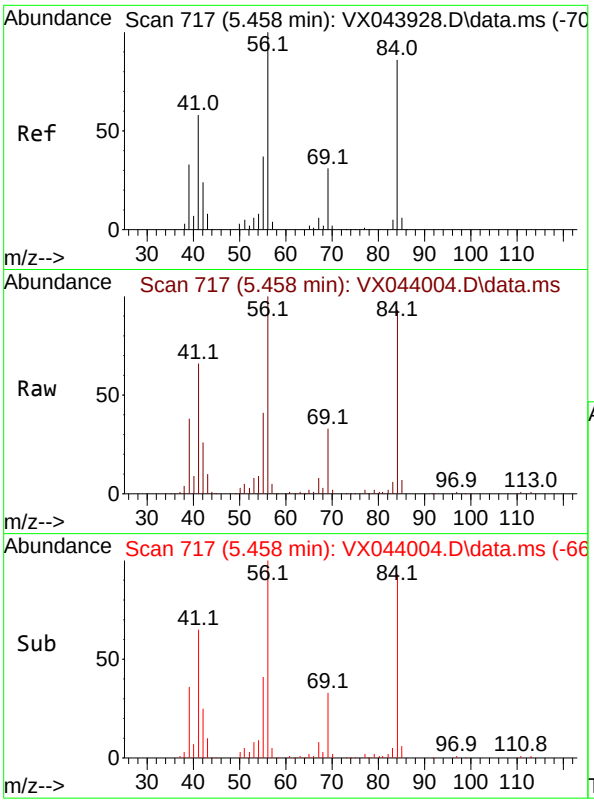


#30
Chloroform
Concen: 45.643 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 83 Resp: 155058

Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.5	80.3



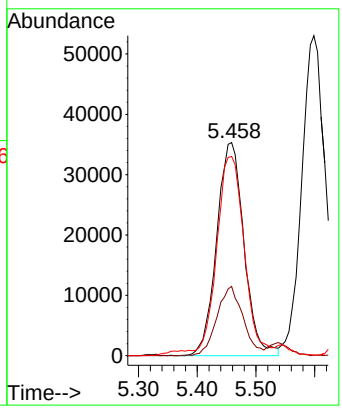


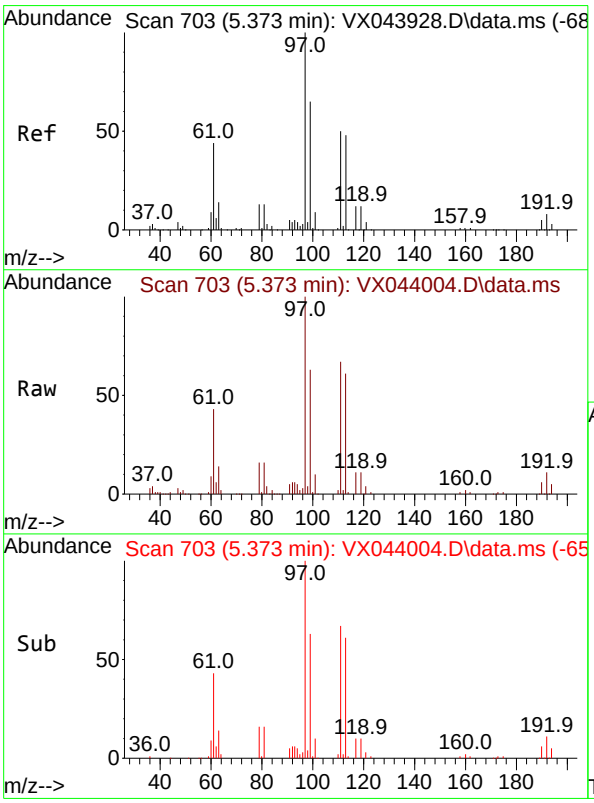
#31
Cyclohexane
Concen: 43.902 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 114132

Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.7	37.1
84	91.0	68.7	103.1

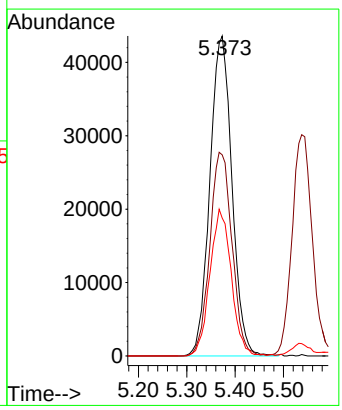


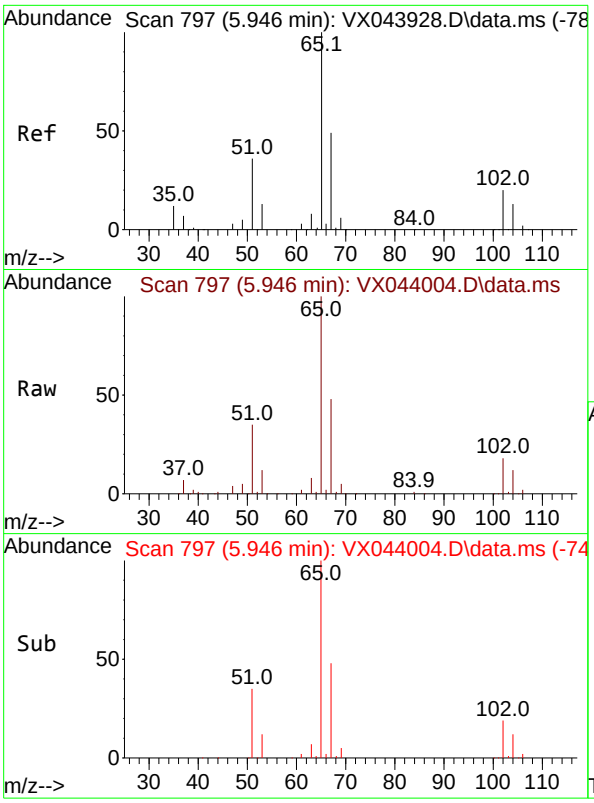


#32
1,1,1-Trichloroethane
Concen: 47.118 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 97 Resp: 138038

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	44.5	35.4	53.2



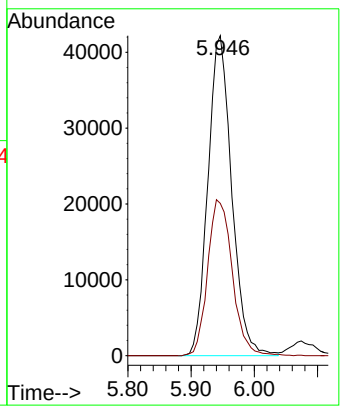


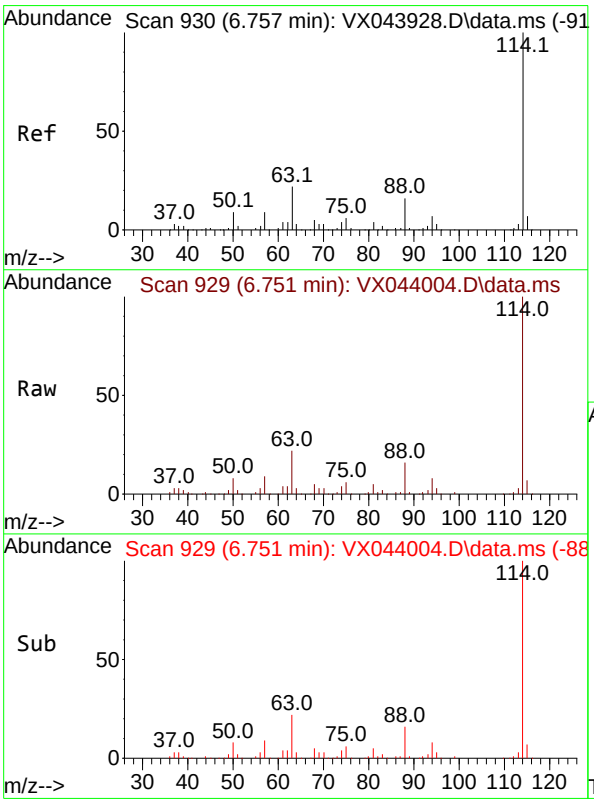
#33
1,2-Dichloroethane-d4
Concen: 47.228 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 110161

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.8

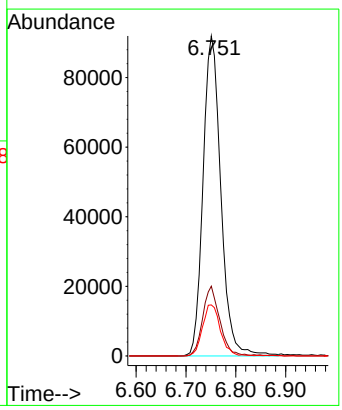


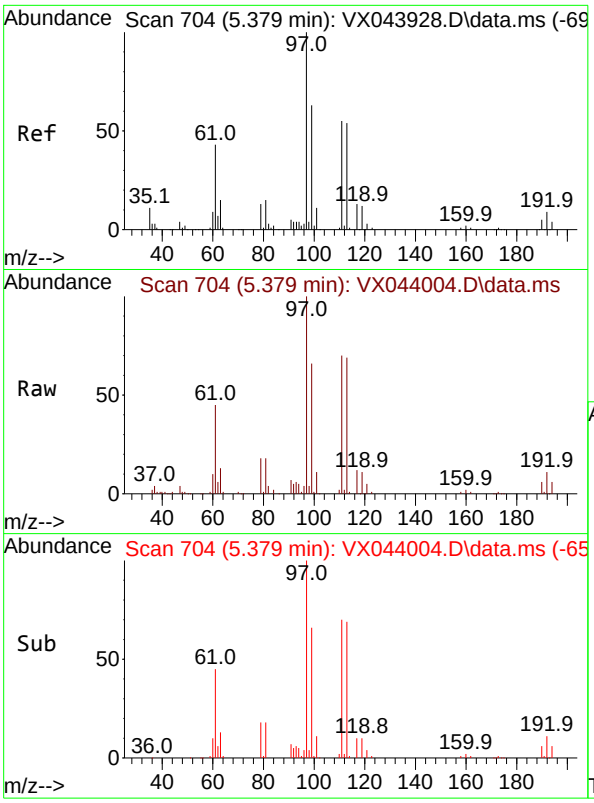


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:114 Resp: 228315

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.0	0.0	32.4



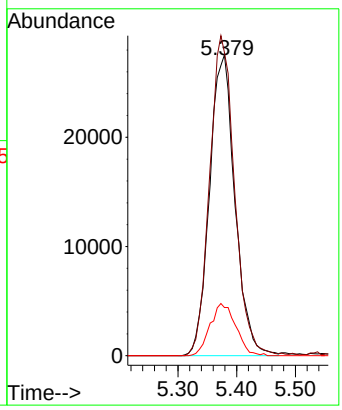


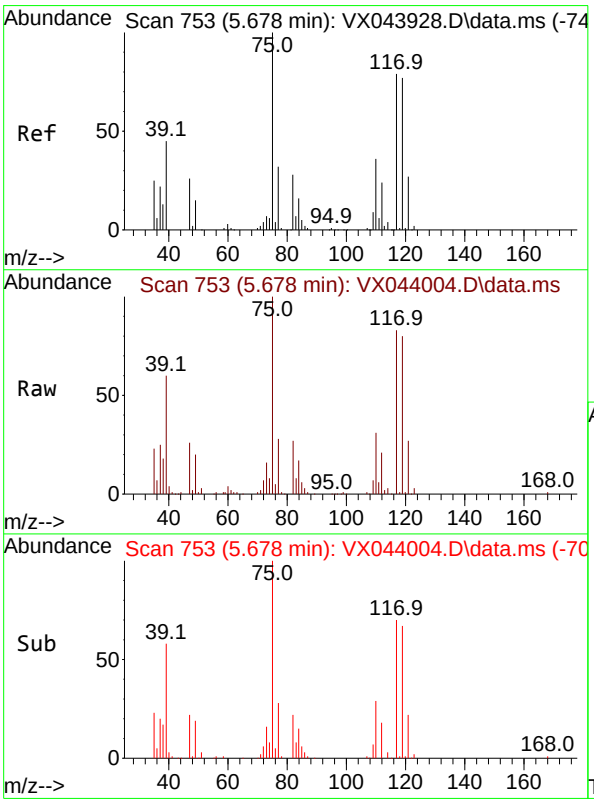
#35
Dibromofluoromethane
Concen: 50.747 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 82790

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.4
192	17.6	13.0	19.6

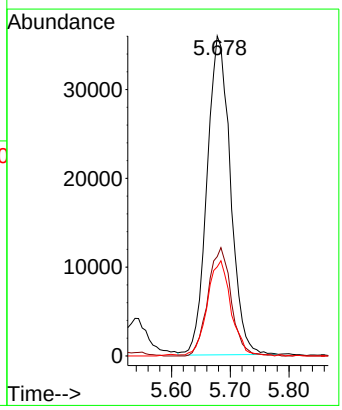


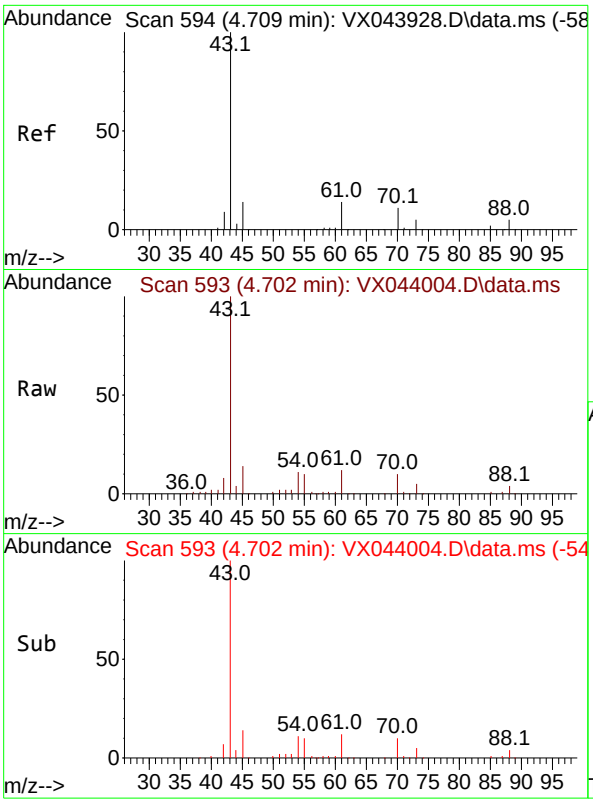


#36
1,1-Dichloropropene
Concen: 48.822 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 99253

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.4	52.2
77	30.5	25.8	38.8



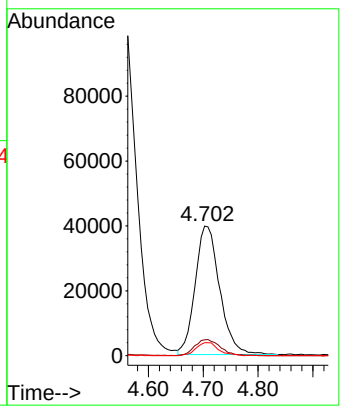


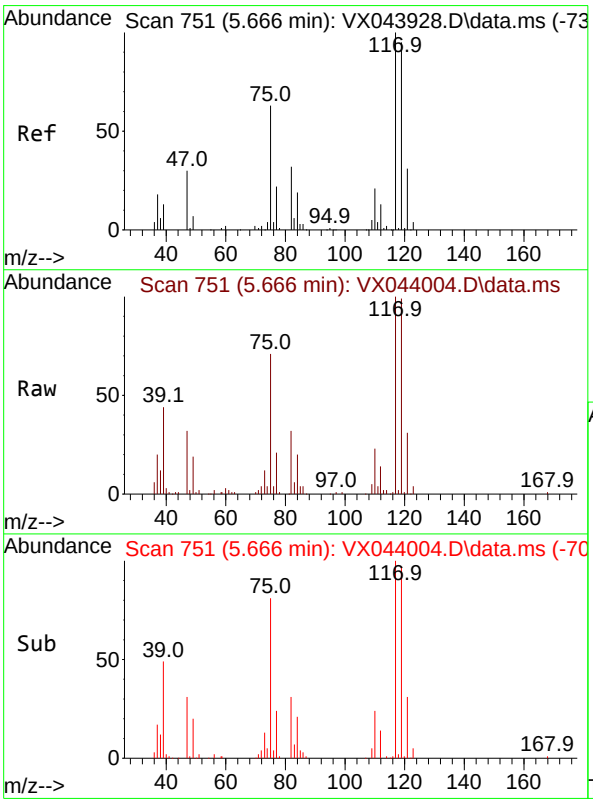
#37
Ethyl Acetate
Concen: 48.911 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 123429

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	9.3	8.0	12.0

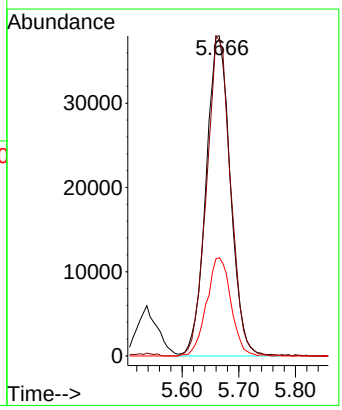


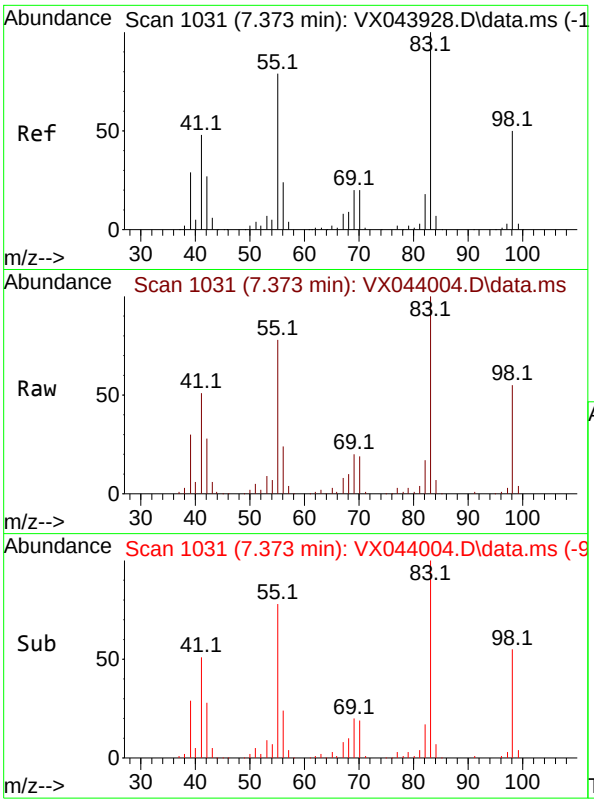


#38
Carbon Tetrachloride
Concen: 49.603 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:117 Resp: 113308

Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.2	112.8
121	30.7	24.5	36.7



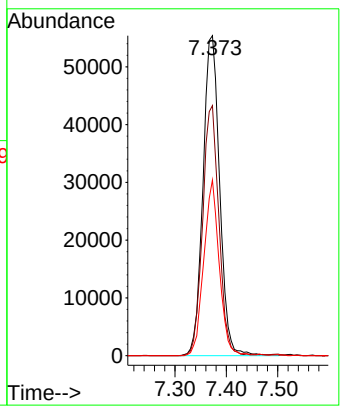


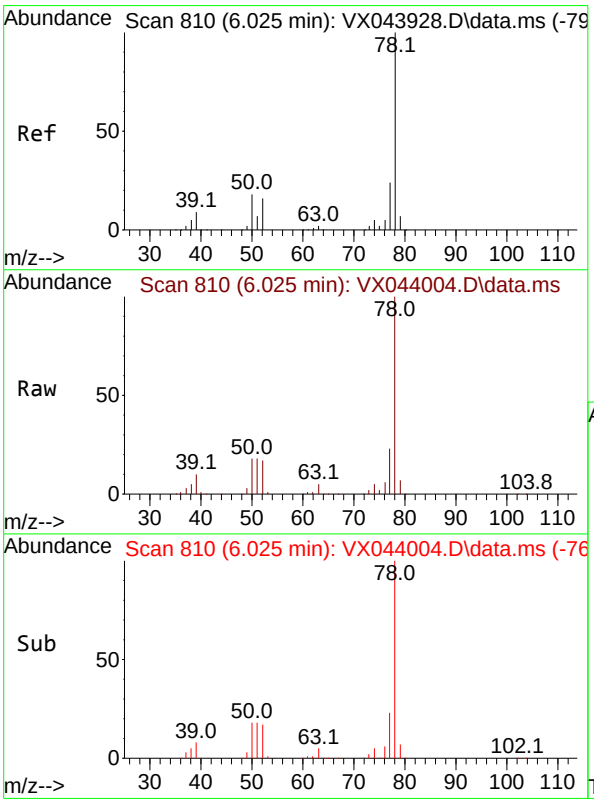
#39
Methylcyclohexane
Concen: 47.322 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 124981

Ion	Ratio	Lower	Upper
83	100		
55	78.1	63.1	94.7
98	54.9	40.0	60.0

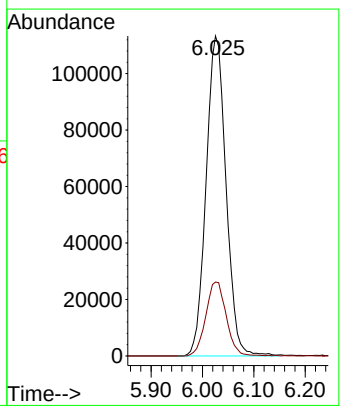


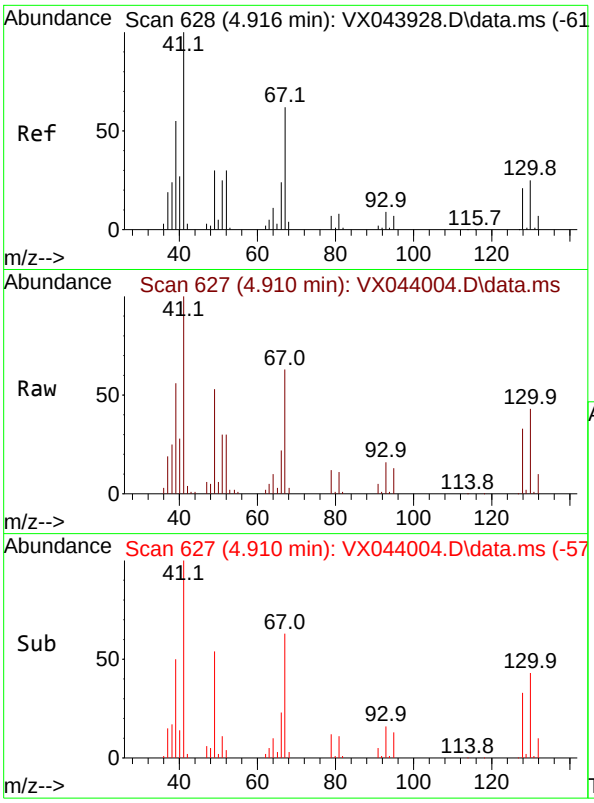


#40
Benzene
Concen: 48.176 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 78 Resp: 305074

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8



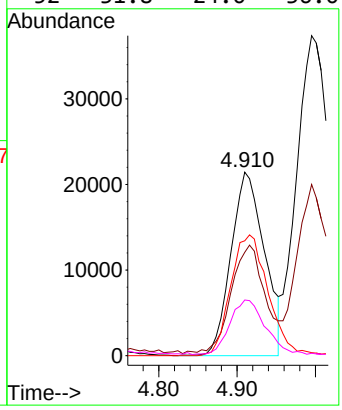


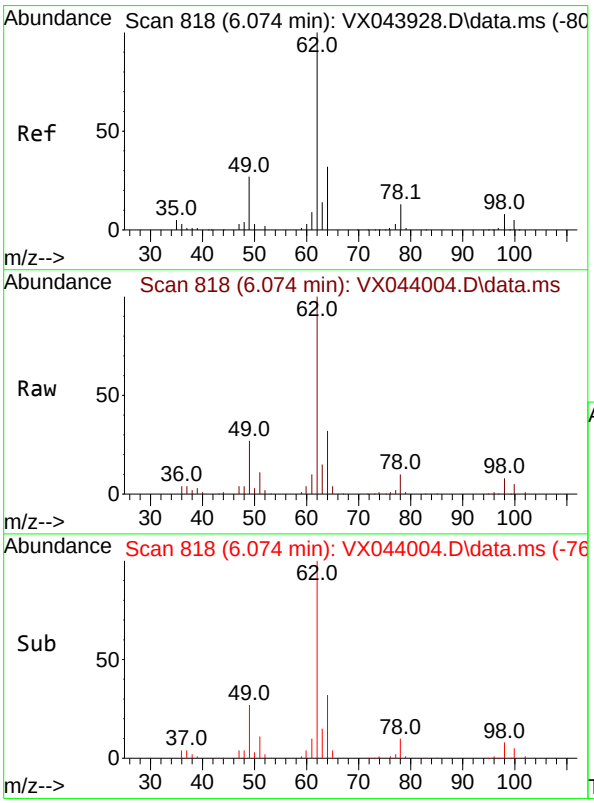
#41
Methacrylonitrile
Concen: 49.419 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 63829

Ion	Ratio	Lower	Upper
41	100		
39	59.6	41.7	62.5
67	73.6	55.8	83.8
52	31.8	24.0	36.0

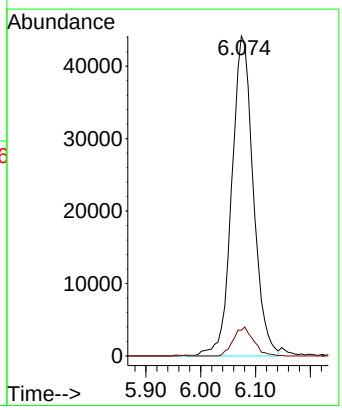


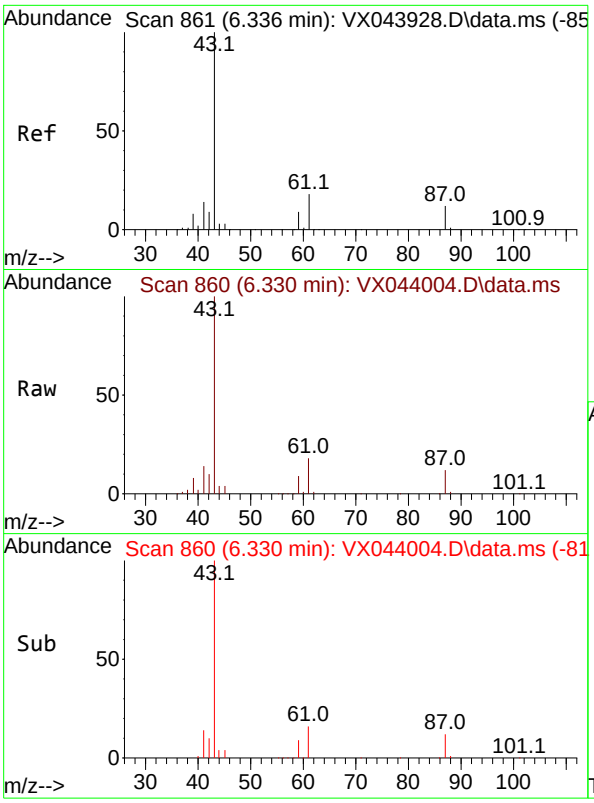


#42
1,2-Dichloroethane
Concen: 47.284 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 120257

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4



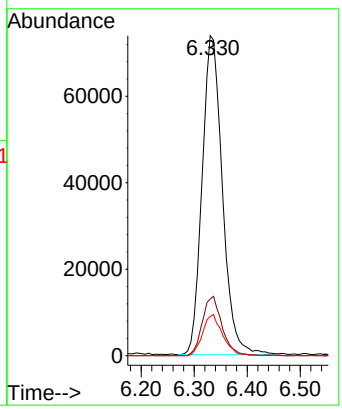


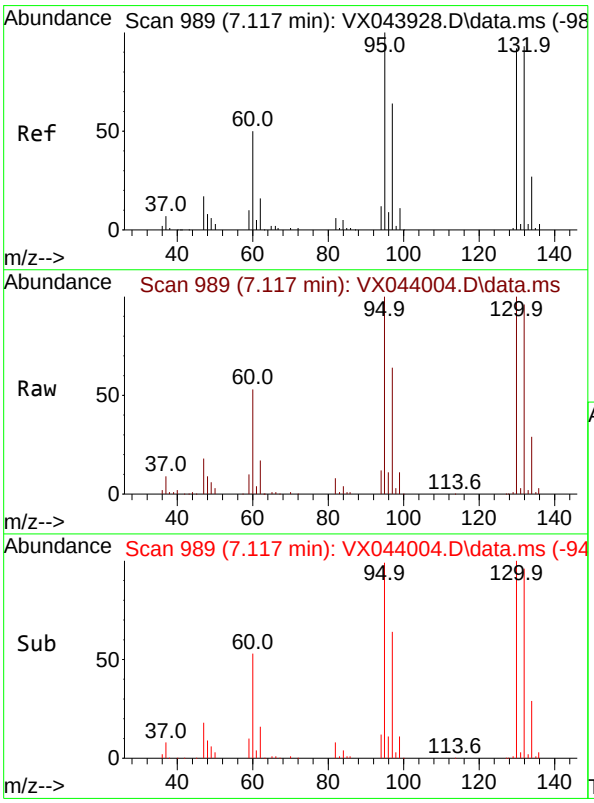
#43
Isopropyl Acetate
Concen: 48.957 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 196617

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	12.6	10.2	15.2

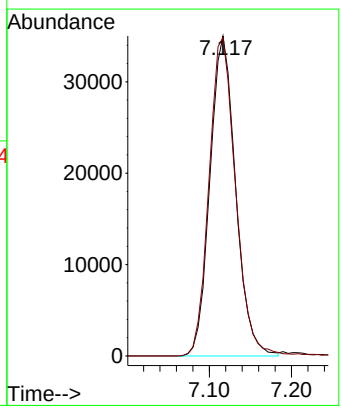


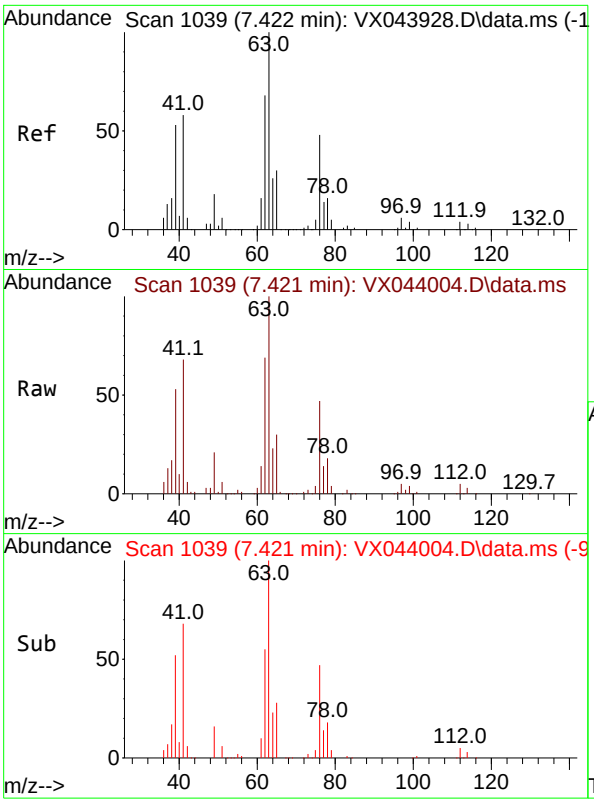


#44
Trichloroethene
Concen: 42.307 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:130 Resp: 75842

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	217.8



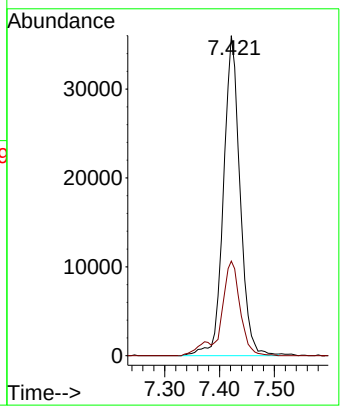


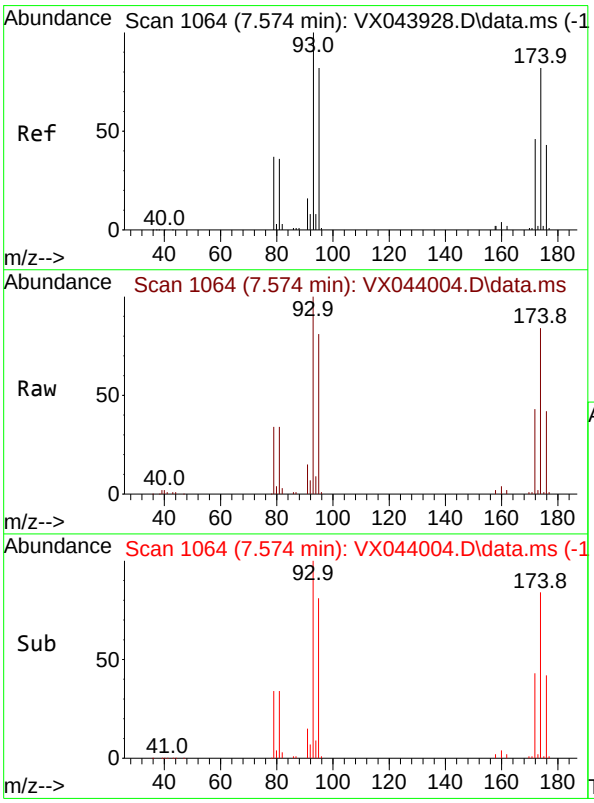
#45
1,2-Dichloropropane
Concen: 48.861 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 75782

Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.8	35.6

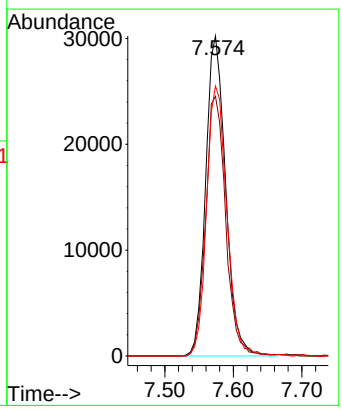


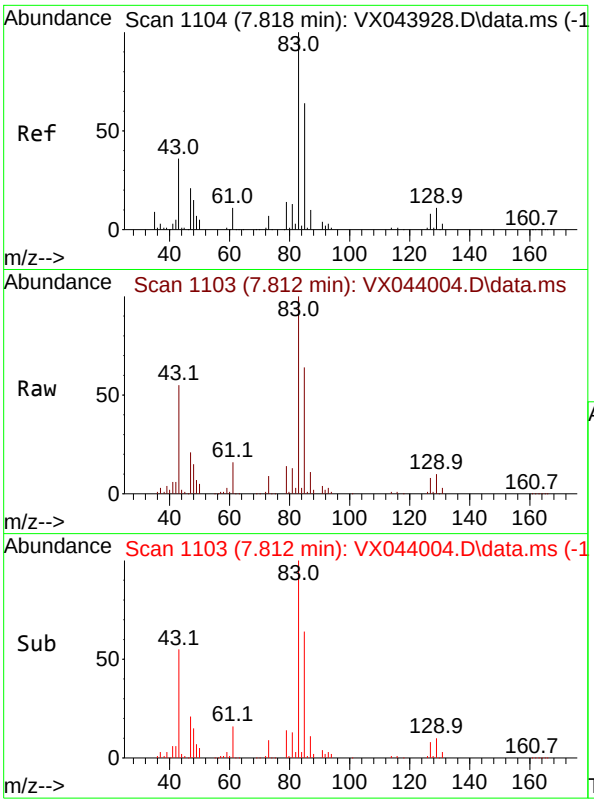


#46
Dibromomethane
Concen: 49.837 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 93 Resp: 61145

Ion	Ratio	Lower	Upper
93	100		
95	81.6	66.2	99.4
174	85.8	69.6	104.4



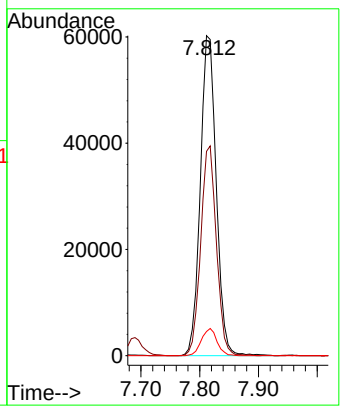


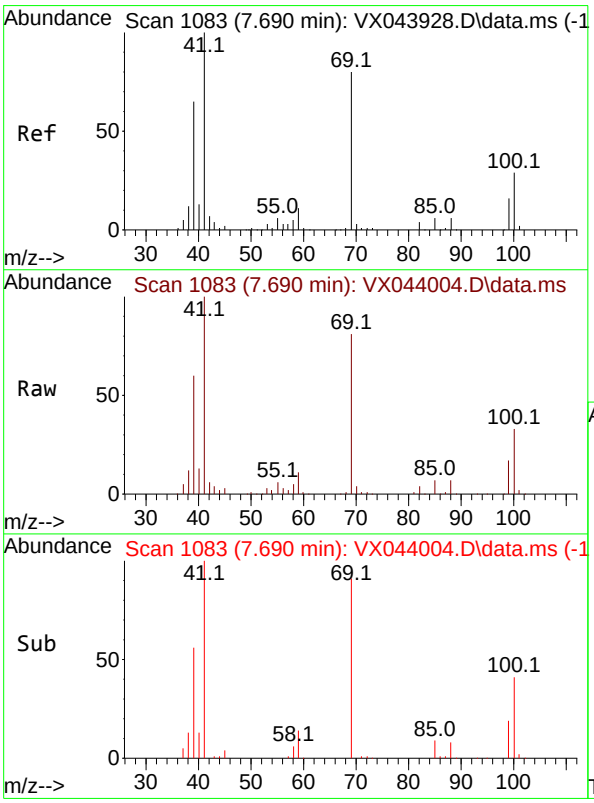
#47
Bromodichloromethane
Concen: 51.670 ug/l
RT: 7.812 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 113694

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0
127	7.6	6.6	10.0

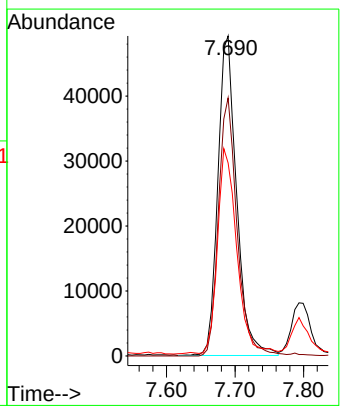


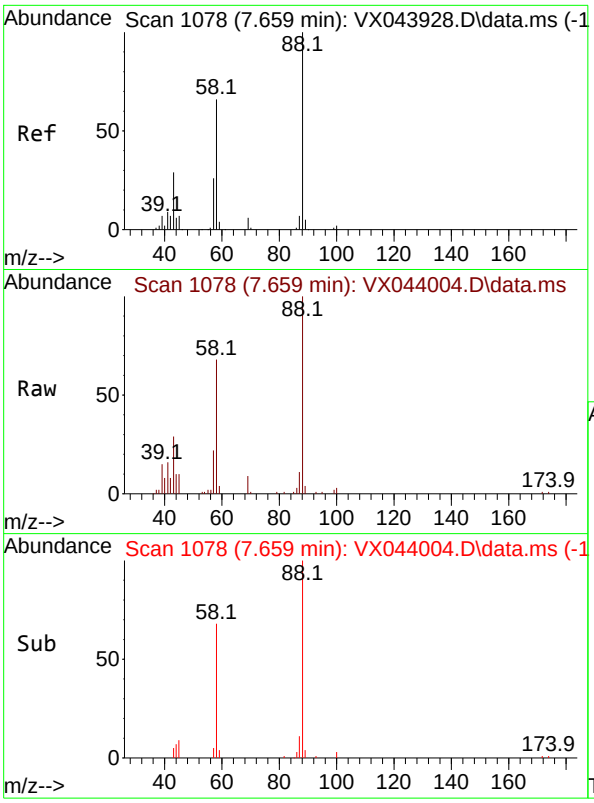


#48
Methyl methacrylate
Concen: 48.339 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 41 Resp: 93154

Ion	Ratio	Lower	Upper
41	100		
69	80.3	64.6	97.0
39	65.2	53.3	79.9



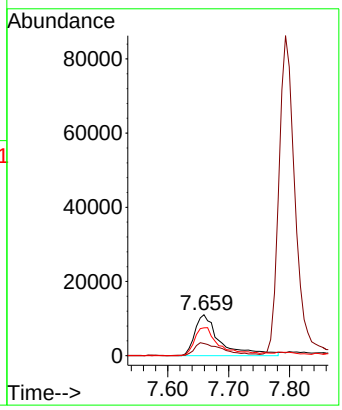


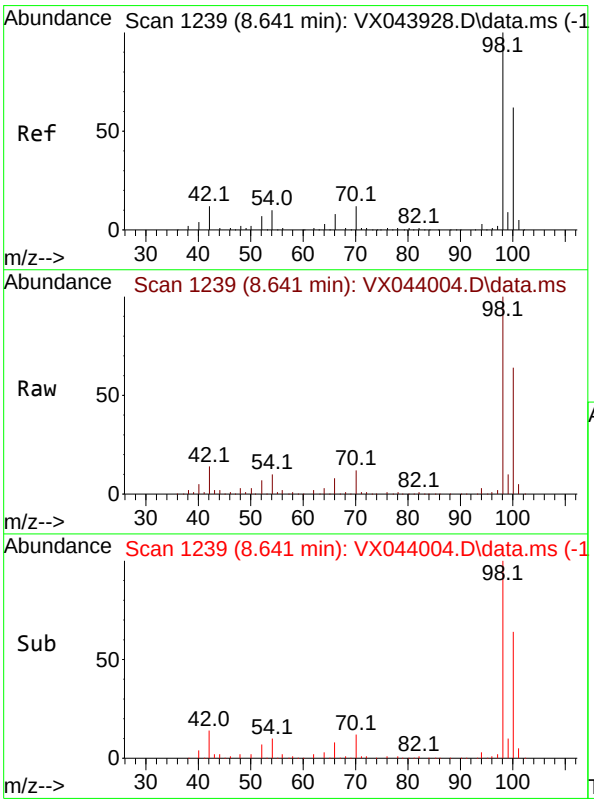
#49
1,4-Dioxane
Concen: 927.311 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 31832

Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.8	40.2
58	67.0	45.4	68.2

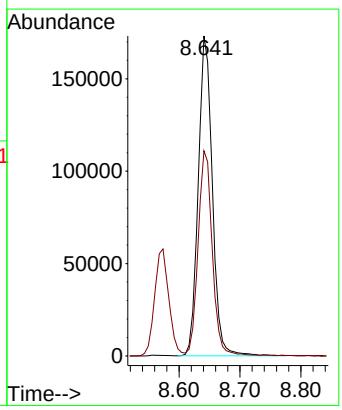


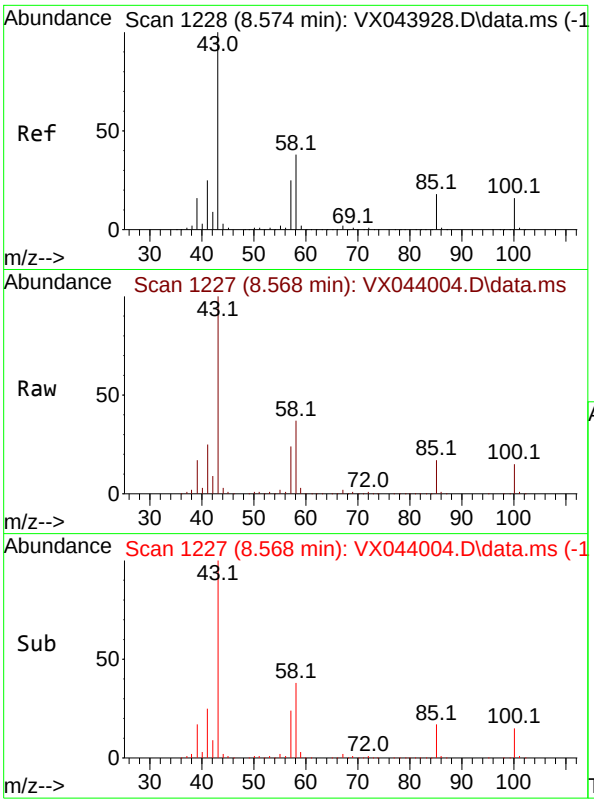


#50
Toluene-d8
Concen: 49.578 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 98 Resp: 278812

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	79.0



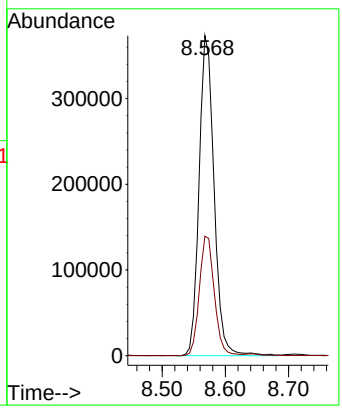


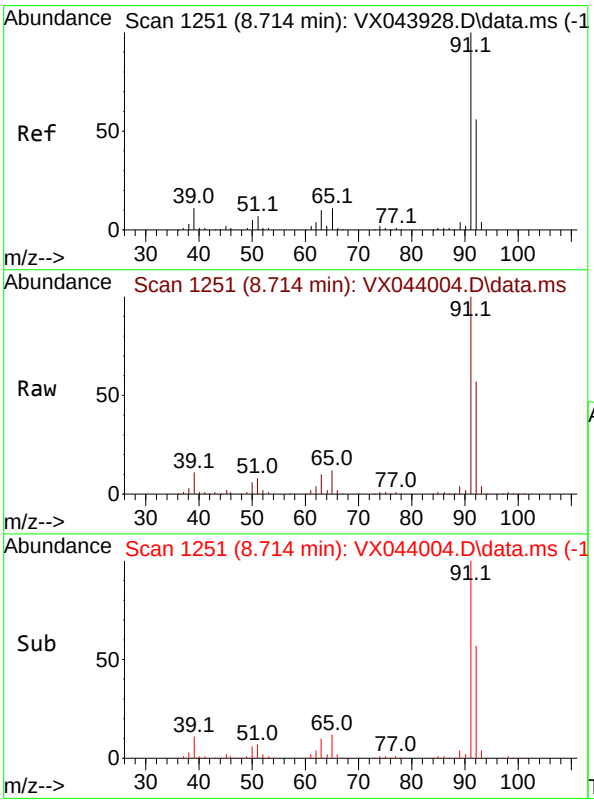
#51
4-Methyl-2-Pentanone
Concen: 251.920 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 617411

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.0	45.0

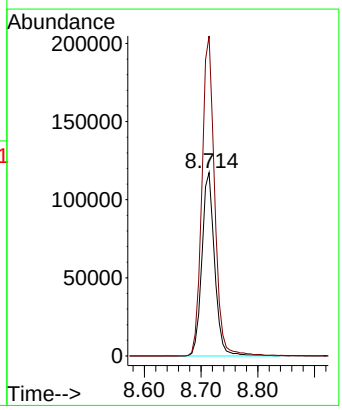


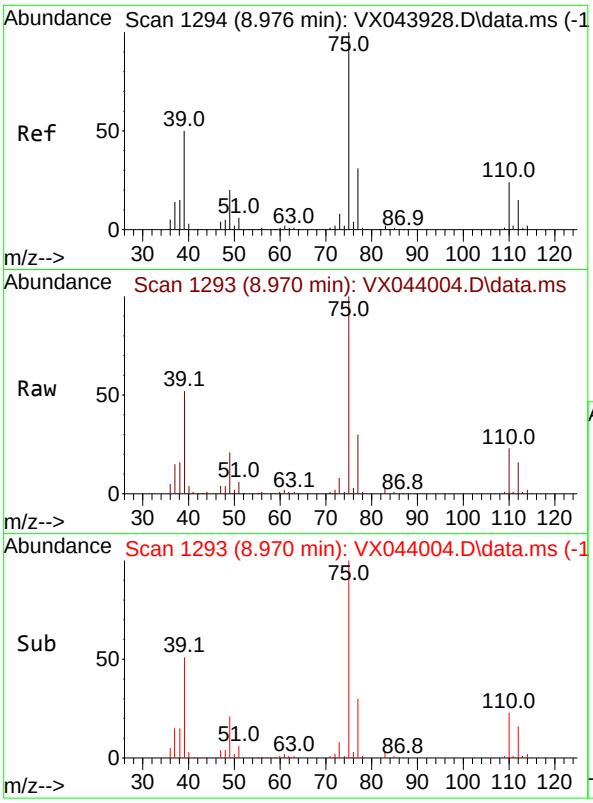


#52
Toluene
Concen: 48.472 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 92 Resp: 183717

Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.7	209.5



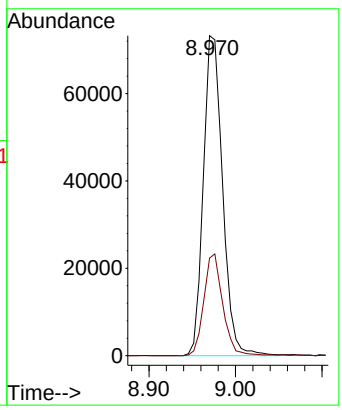


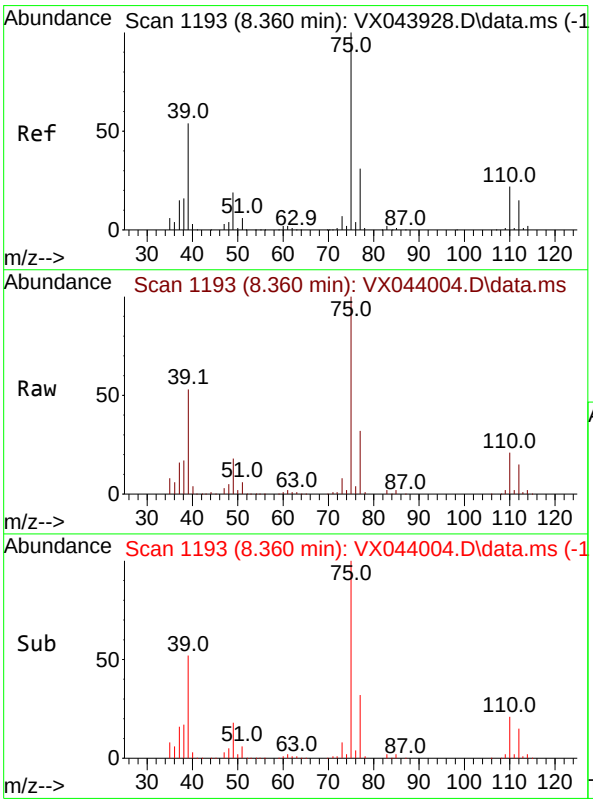
#53
t-1,3-Dichloropropene
Concen: 50.408 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 113108

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.1	37.7

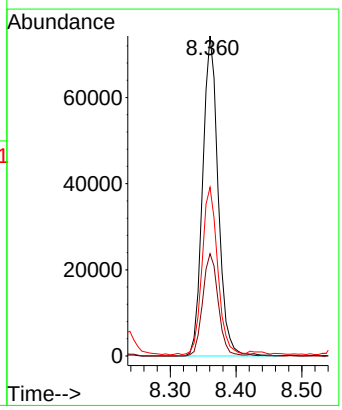


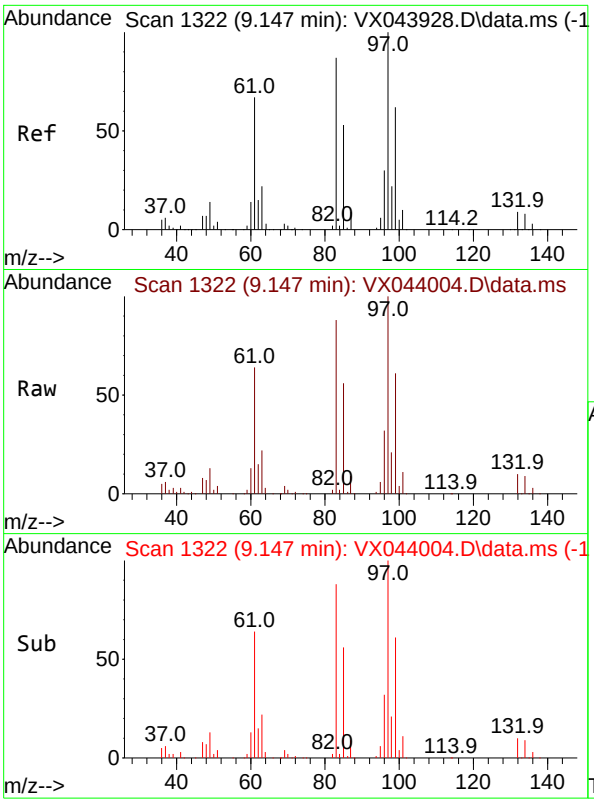


#54
cis-1,3-Dichloropropene
Concen: 49.594 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 121994

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	51.9	43.1	64.7



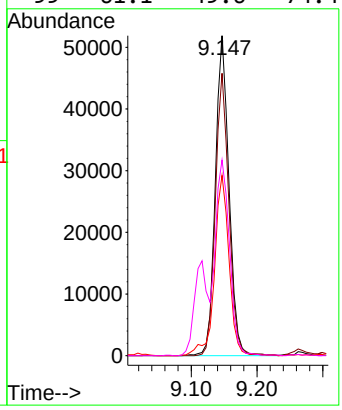


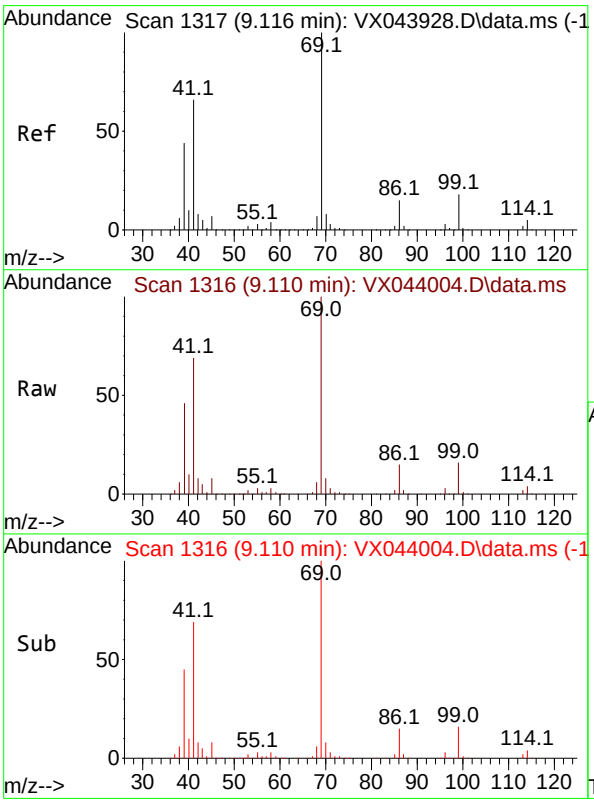
#55
1,1,2-Trichloroethane
Concen: 47.934 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 74997

Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.0
85	56.4	42.3	63.5
99	61.1	49.6	74.4

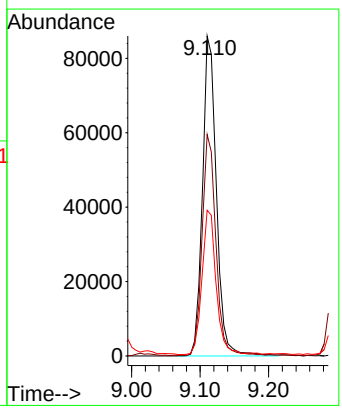


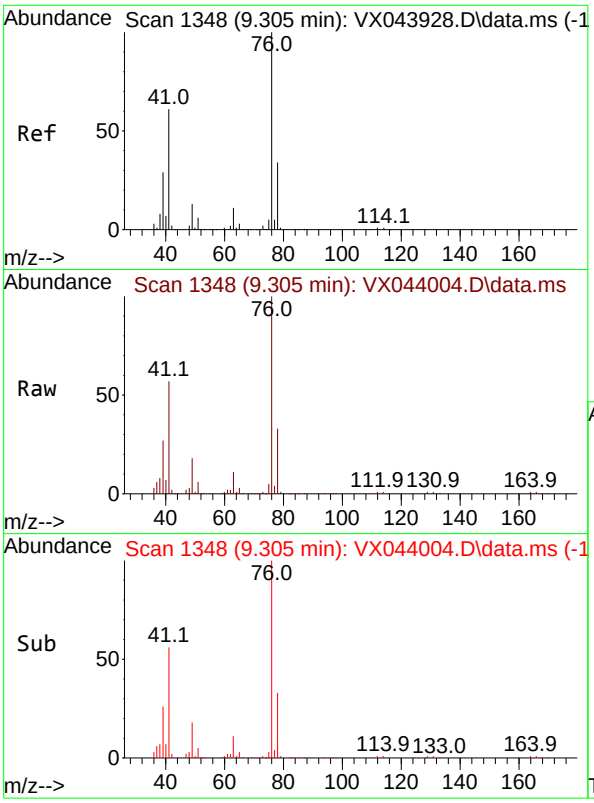


#56
Ethyl methacrylate
Concen: 50.030 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 69 Resp: 121922

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.8	83.8
39	45.3	36.7	55.1



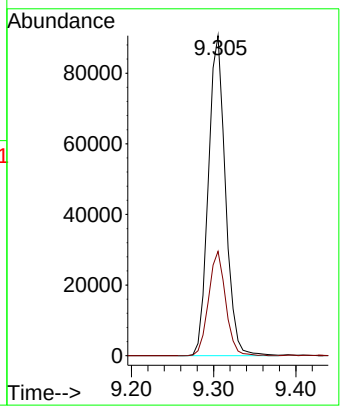


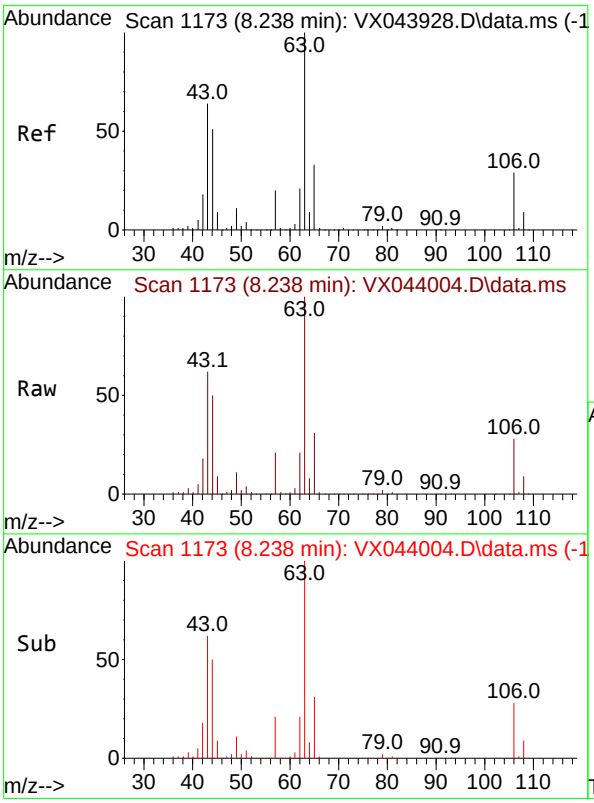
#57
1,3-Dichloropropane
Concen: 49.593 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 130708

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

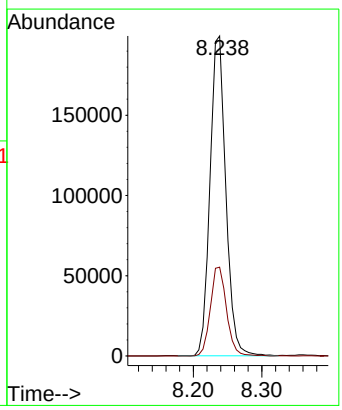


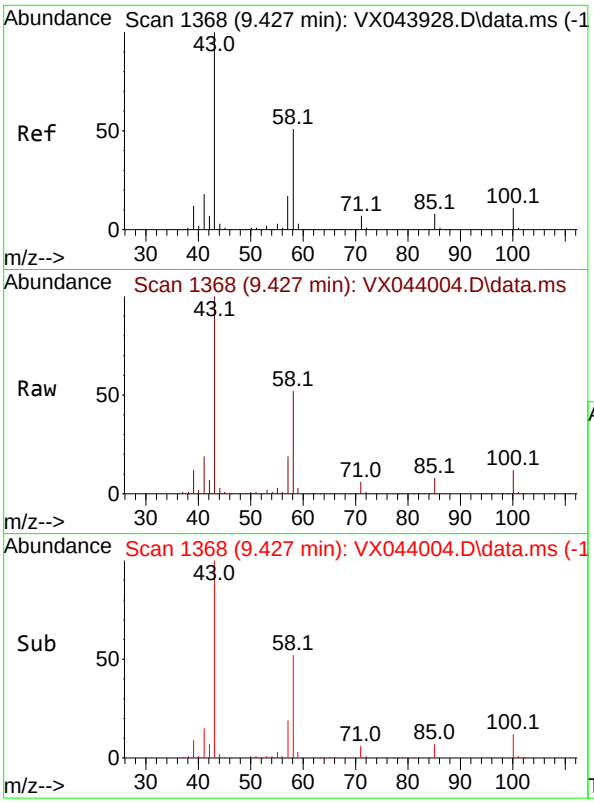


#58
2-Chloroethyl Vinyl ether
Concen: 239.296 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 63 Resp: 319778

Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6



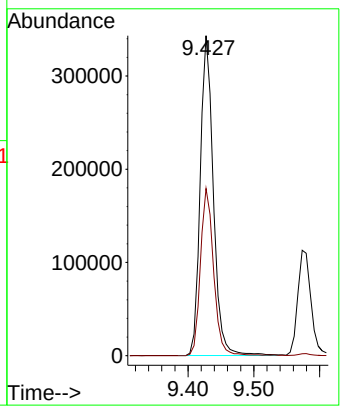


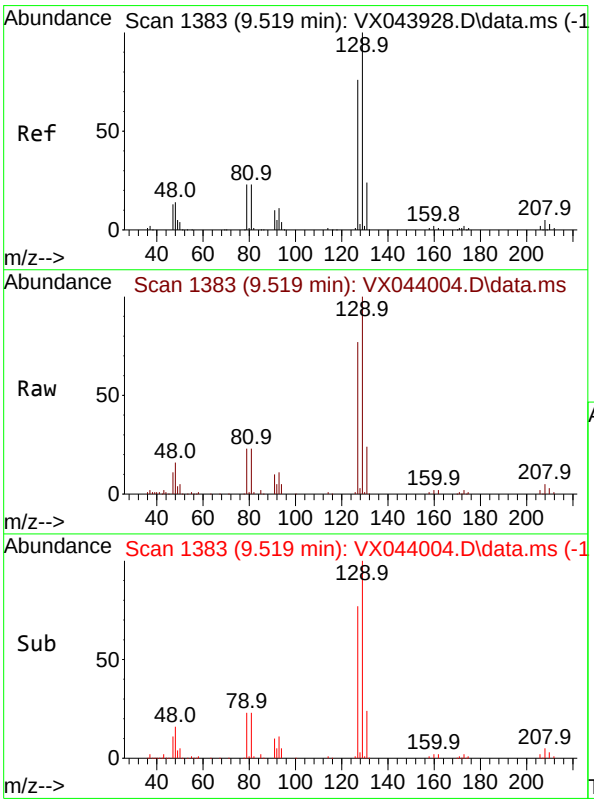
#59
2-Hexanone
Concen: 258.897 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 476916

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

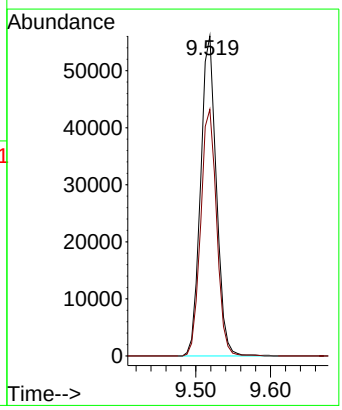


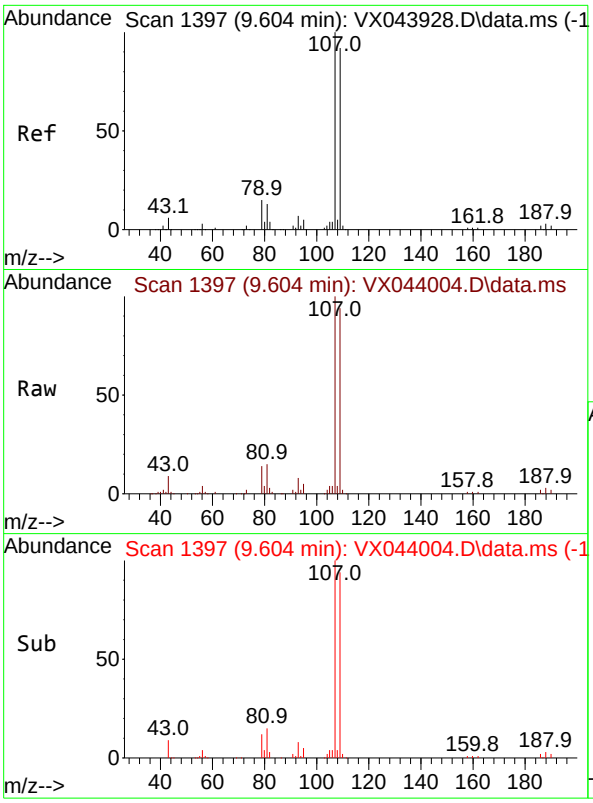


#60
Dibromochloromethane
Concen: 52.290 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:129 Resp: 82084

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.2	114.6



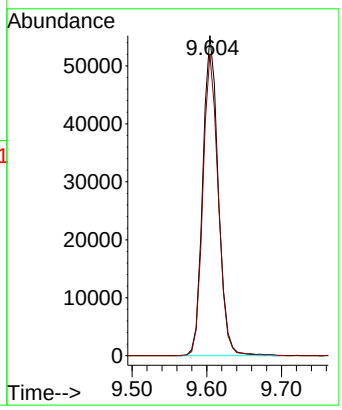


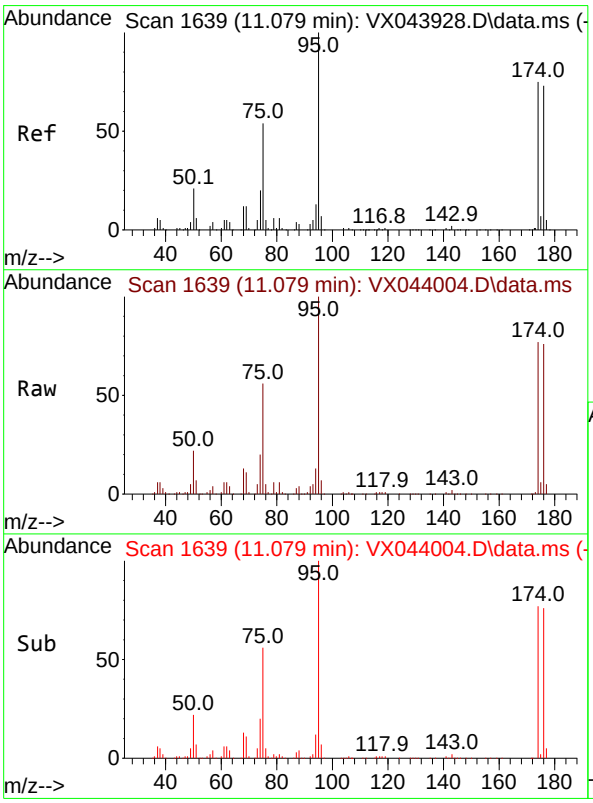
#61
1,2-Dibromoethane
Concen: 49.979 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 79068

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

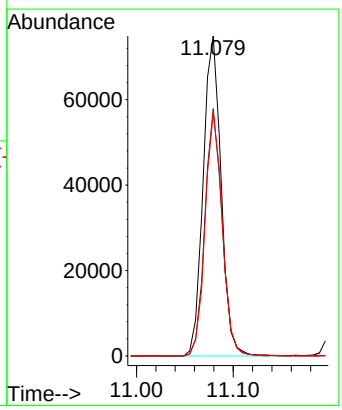


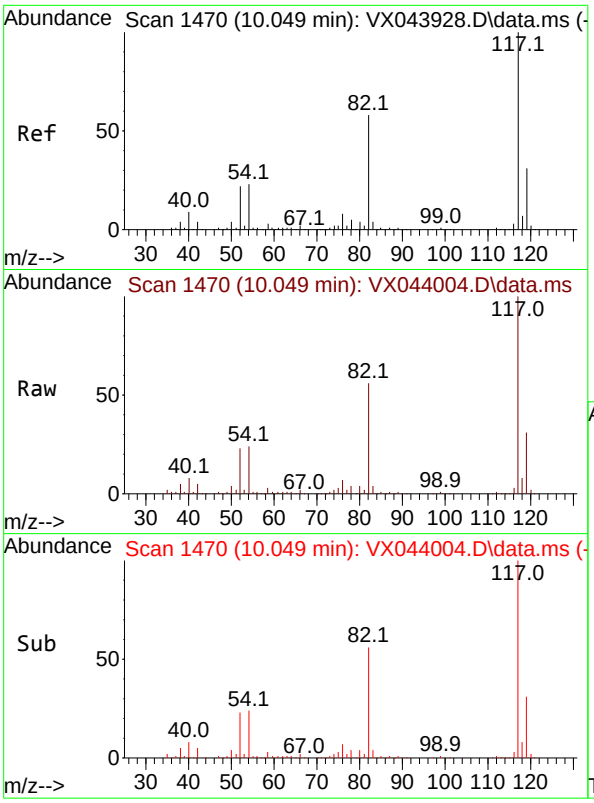


#62
4-Bromofluorobenzene
Concen: 50.484 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 95 Resp: 96622

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.4
176	73.0	0.0	146.0



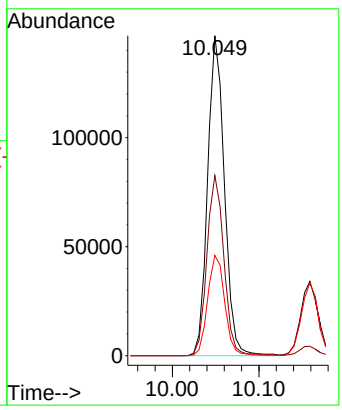


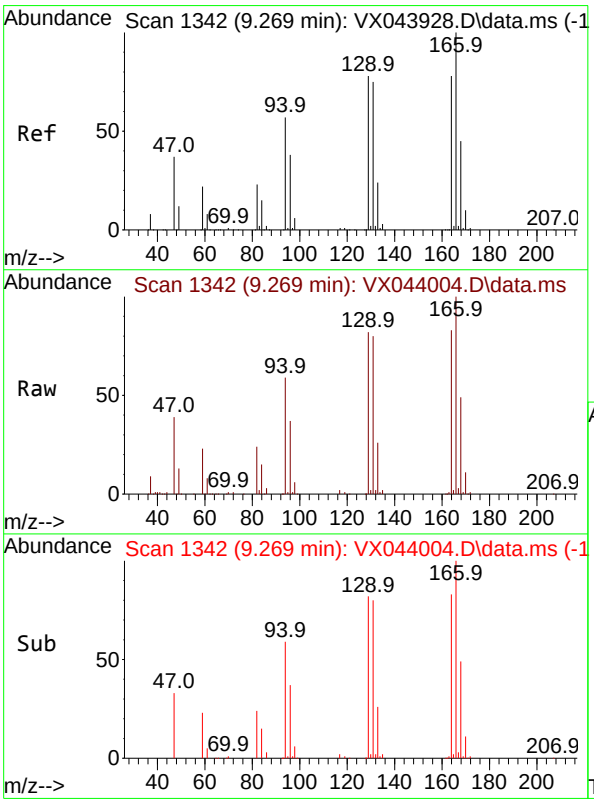
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 197529

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.4	69.6
119	31.4	24.6	37.0

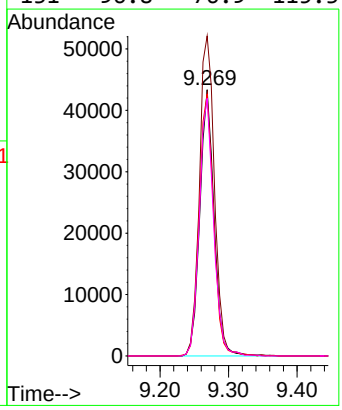


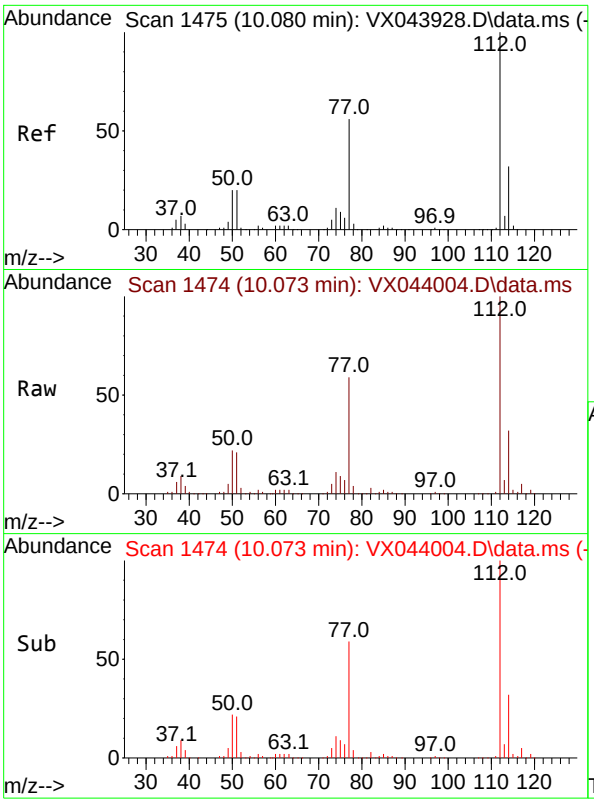


#64
Tetrachloroethene
Concen: 48.121 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:164 Resp: 62677

Ion	Ratio	Lower	Upper
164	100		
166	120.2	102.1	153.1
129	98.4	79.6	119.4
131	96.8	76.9	115.3



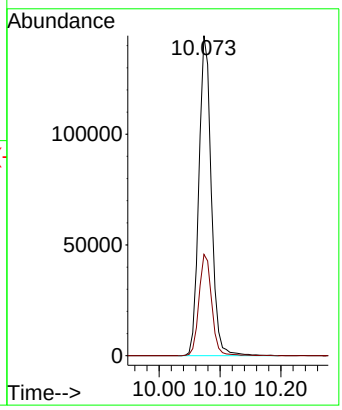


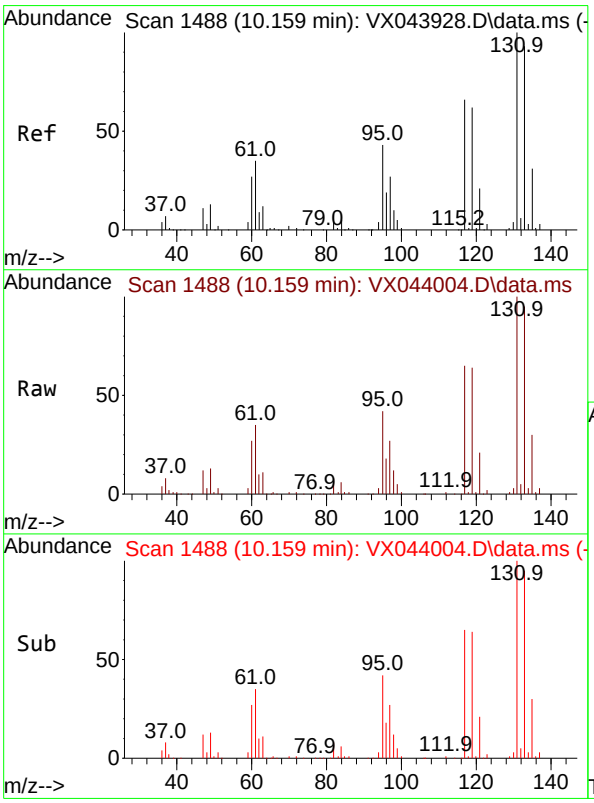
#65
Chlorobenzene
Concen: 46.996 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 203884

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.0

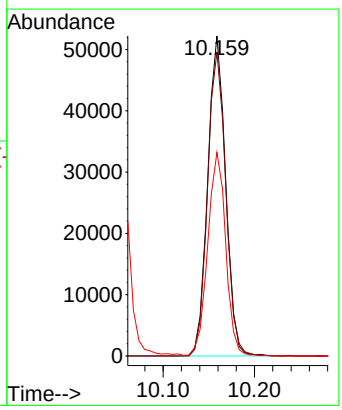


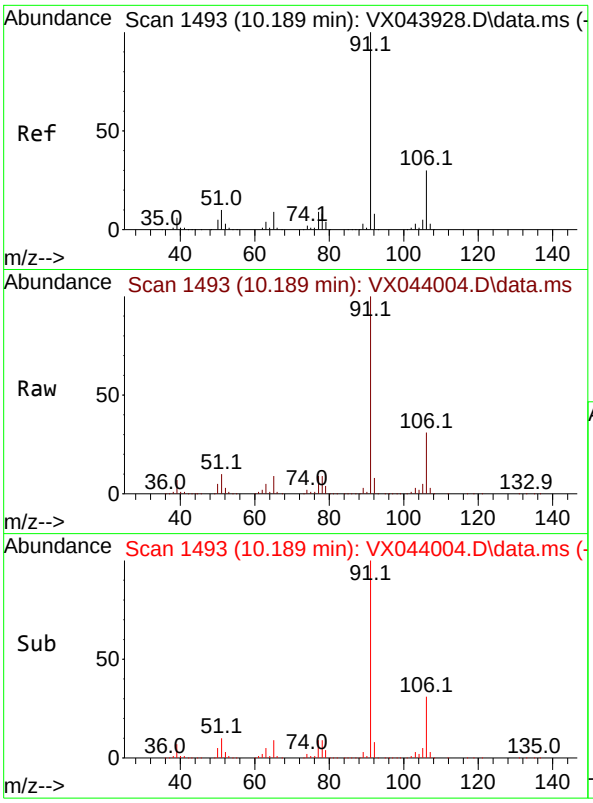


#66
1,1,1,2-Tetrachloroethane
Concen: 50.392 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:131 Resp: 70900

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.2	144.6
119	64.0	31.5	94.5



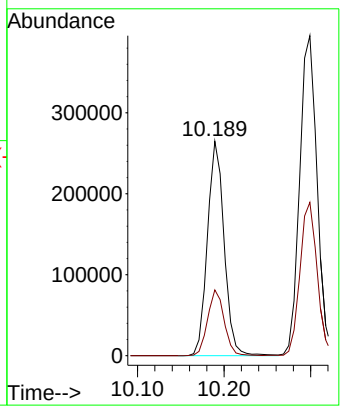


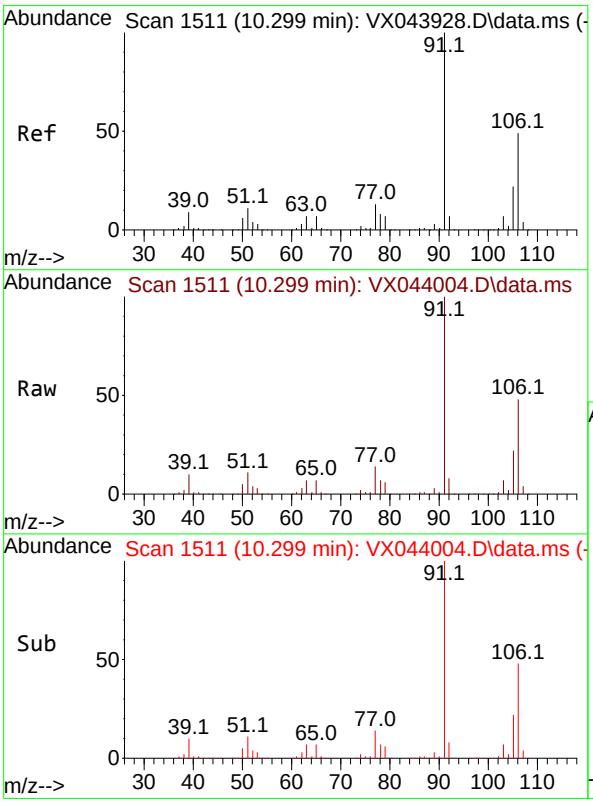
#67
Ethyl Benzene
Concen: 48.325 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 355247

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4

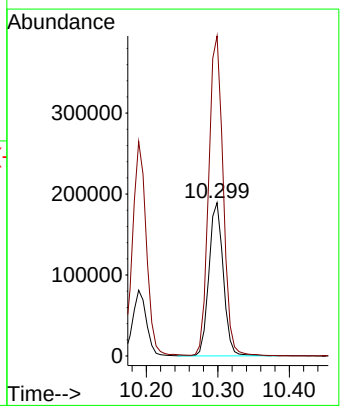


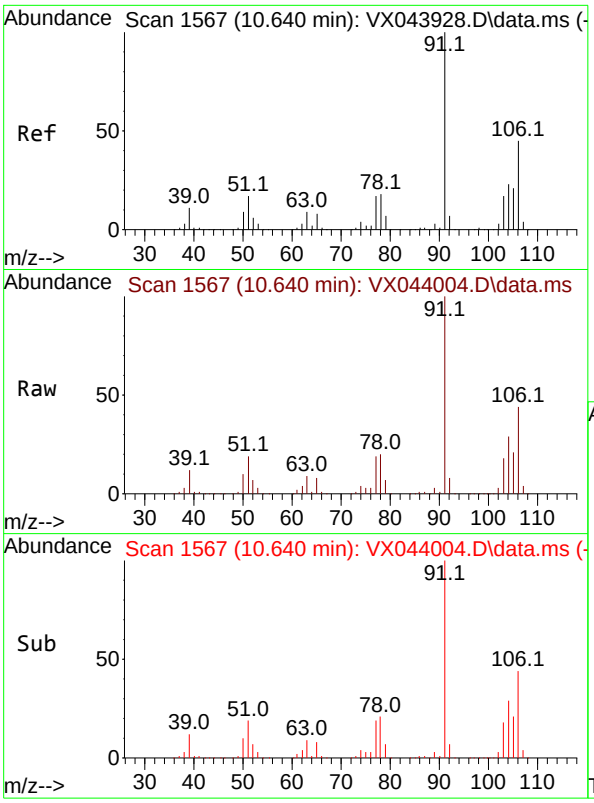


#68
m/p-Xylenes
Concen: 96.088 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:106 Resp: 263420

Ion	Ratio	Lower	Upper
106	100		
91	210.8	168.1	252.1



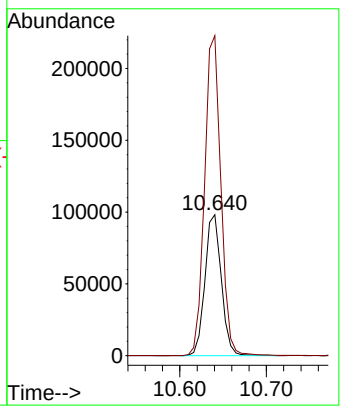


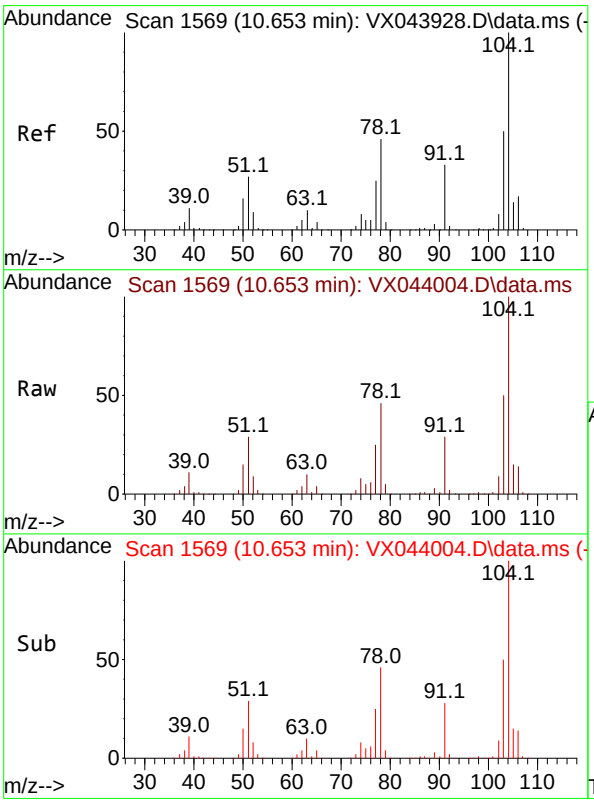
#69
o-Xylene
Concen: 48.254 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 129159

Ion	Ratio	Lower	Upper
106	100		
91	225.6	110.2	330.6

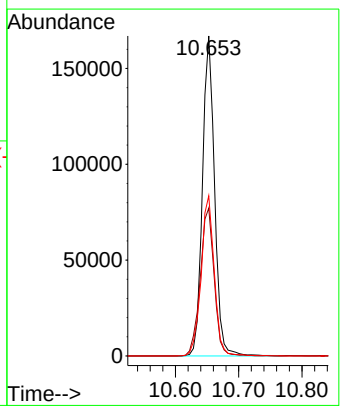


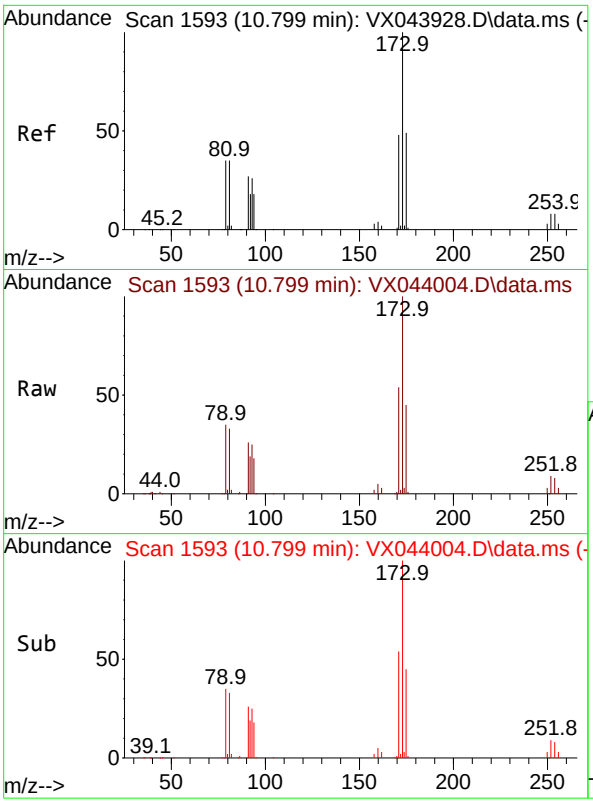


#70
Styrene
Concen: 50.399 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:104 Resp: 223116

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.2
103	54.3	44.7	67.1



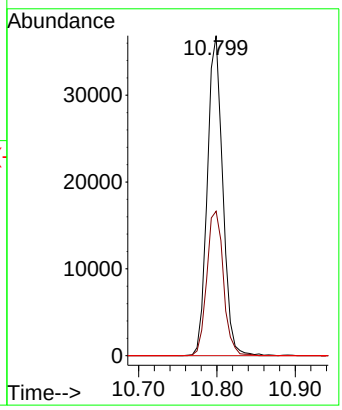


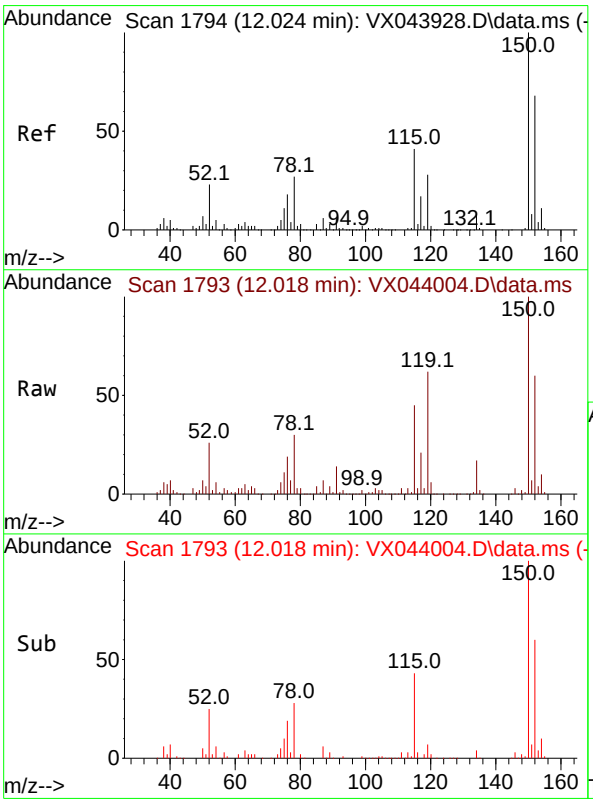
#71
Bromoform
Concen: 47.213 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 50248

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.2
254	0.0	0.0	0.0

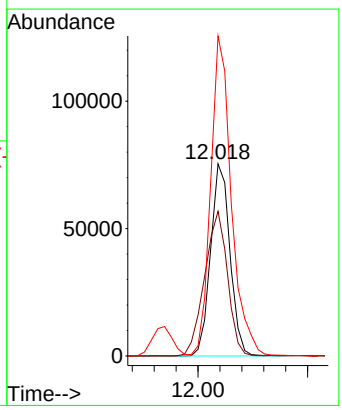


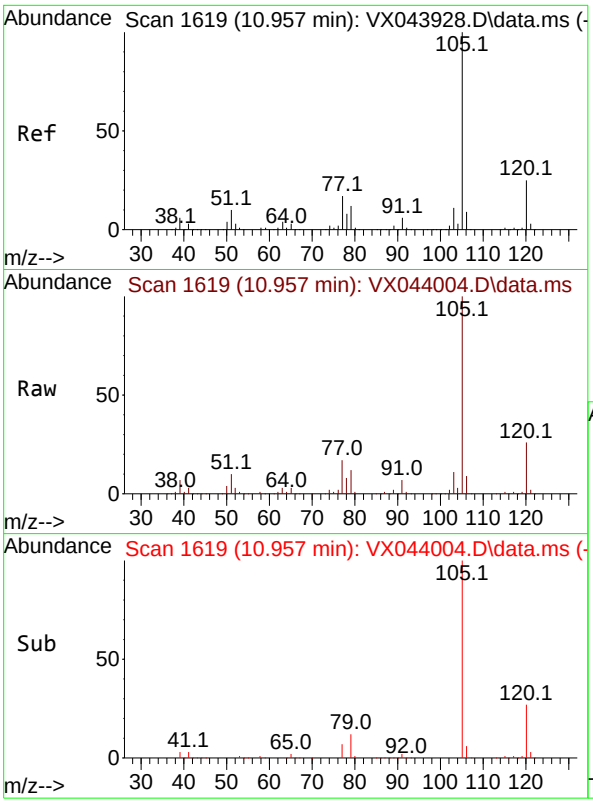


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:152 Resp: 92620

Ion	Ratio	Lower	Upper
152	100		
115	88.8	45.4	136.2
150	177.7	0.0	353.0



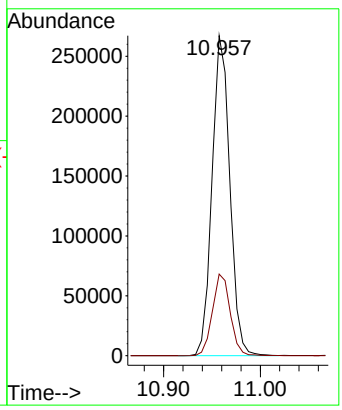


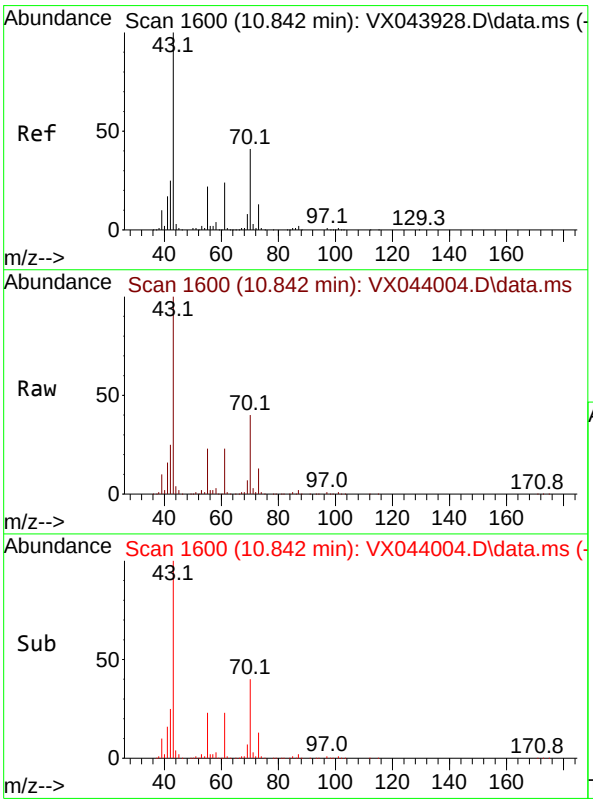
#73
Isopropylbenzene
Concen: 47.752 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 339978

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	38.9

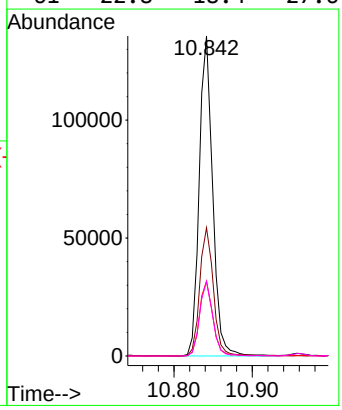


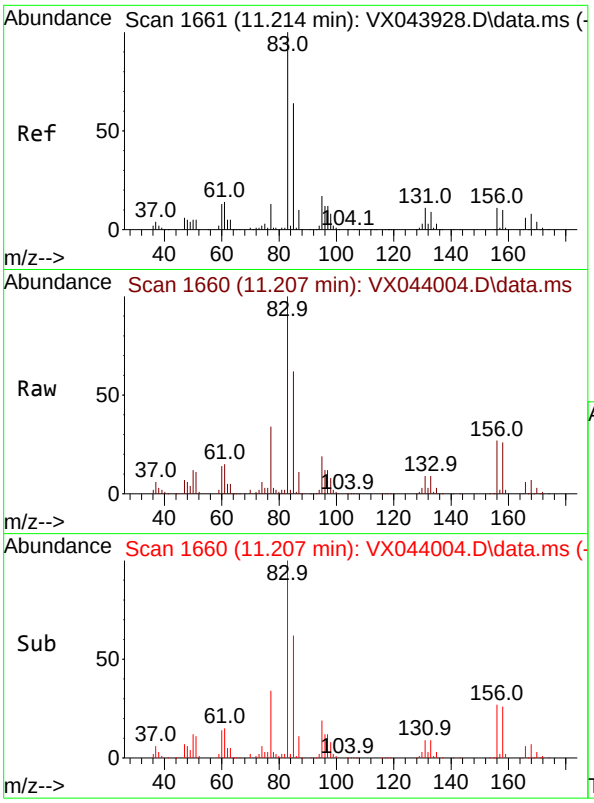


#74
N-amyl acetate
Concen: 49.007 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 161635

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.2	48.2
55	23.2	18.1	27.1
61	22.8	18.4	27.6



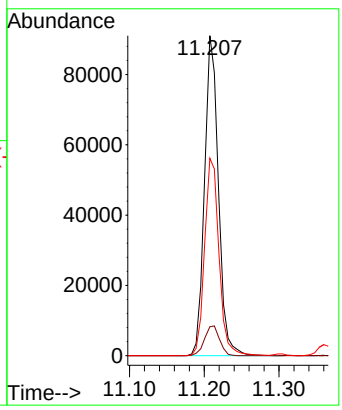


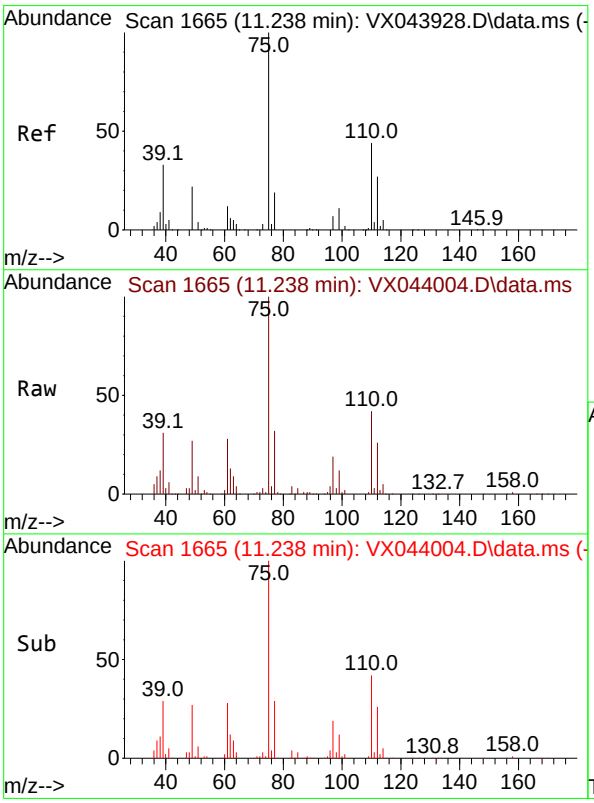
#75
1,1,2,2-Tetrachloroethane
Concen: 48.146 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 117371

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.0	32.2	96.6

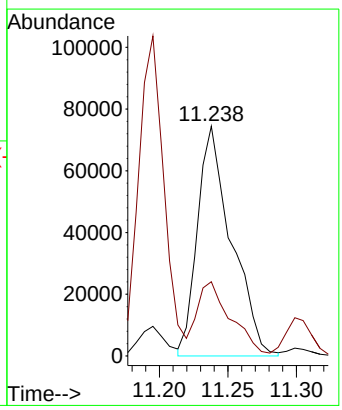


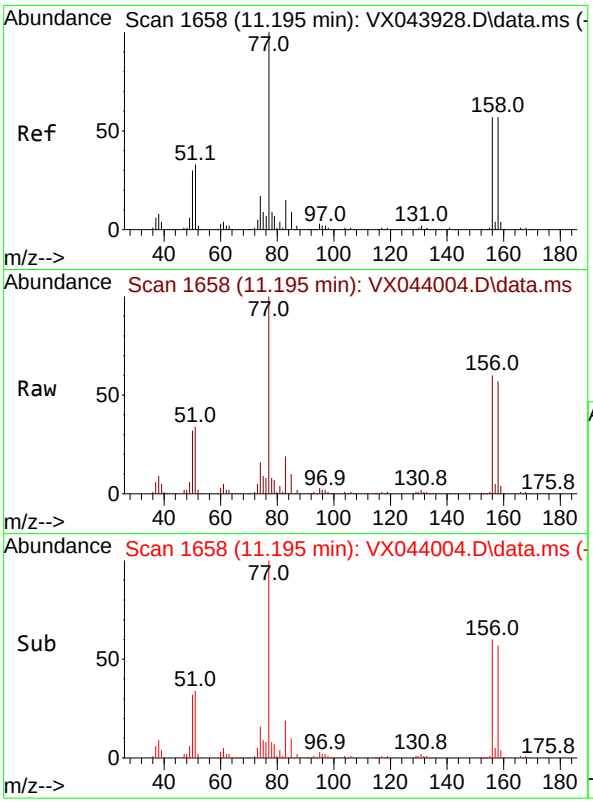


#76
1,2,3-Trichloropropane
Concen: 63.364 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 128701

Ion	Ratio	Lower	Upper
75	100		
77	32.1	21.8	65.3



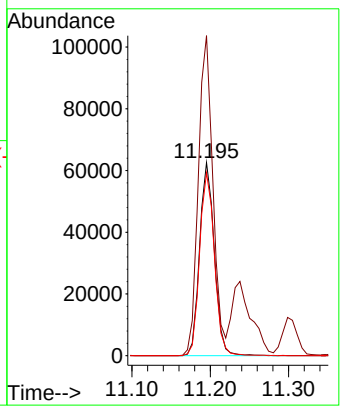


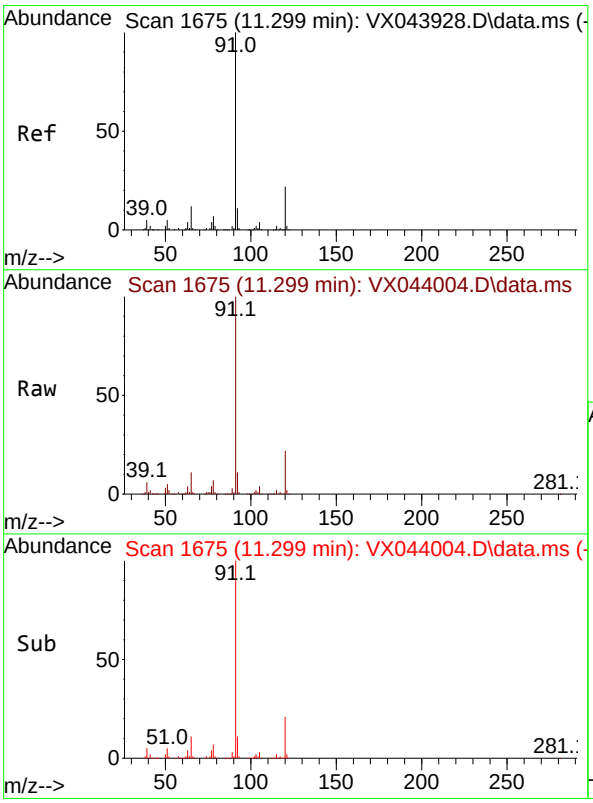
#77
Bromobenzene
Concen: 48.072 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 81644

Ion	Ratio	Lower	Upper
156	100		
77	164.7	83.4	250.1
158	95.4	47.6	142.8

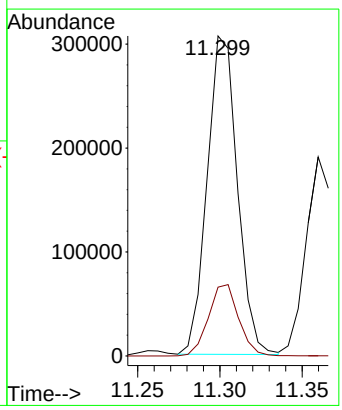


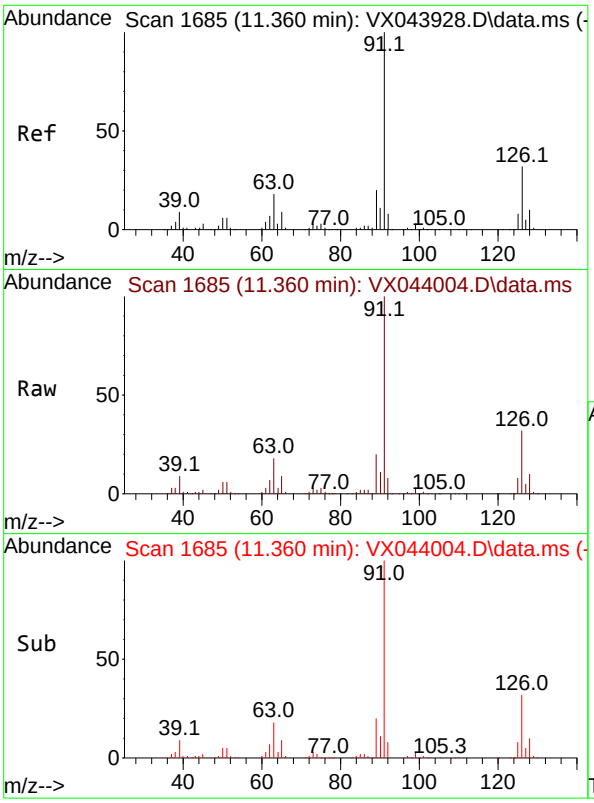


#78
n-propylbenzene
Concen: 49.273 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 391796

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.4



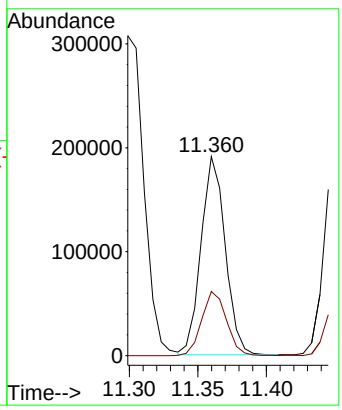


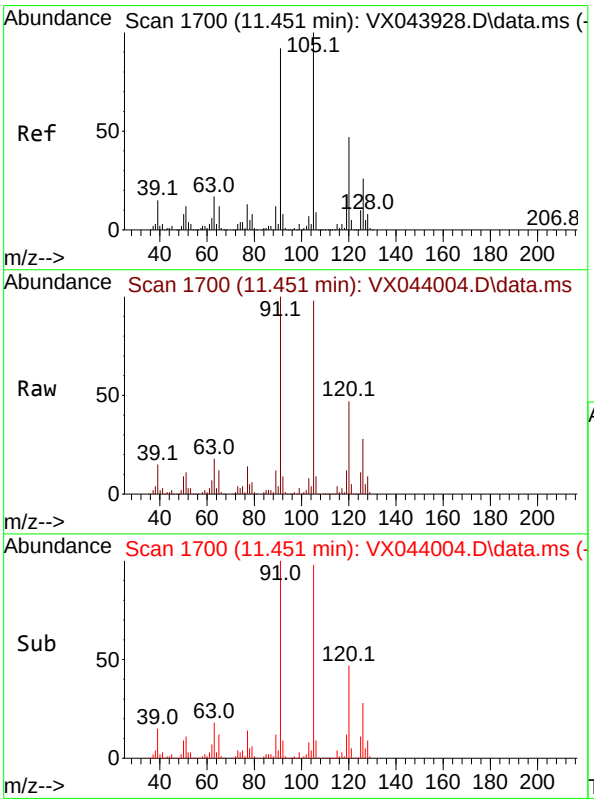
#79
2-Chlorotoluene
Concen: 46.549 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 234054

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8

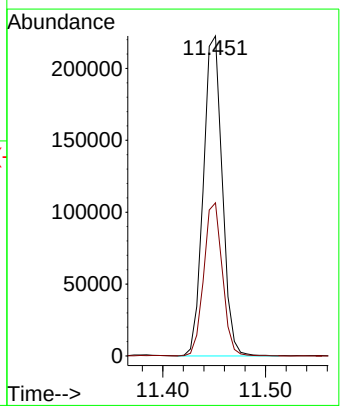


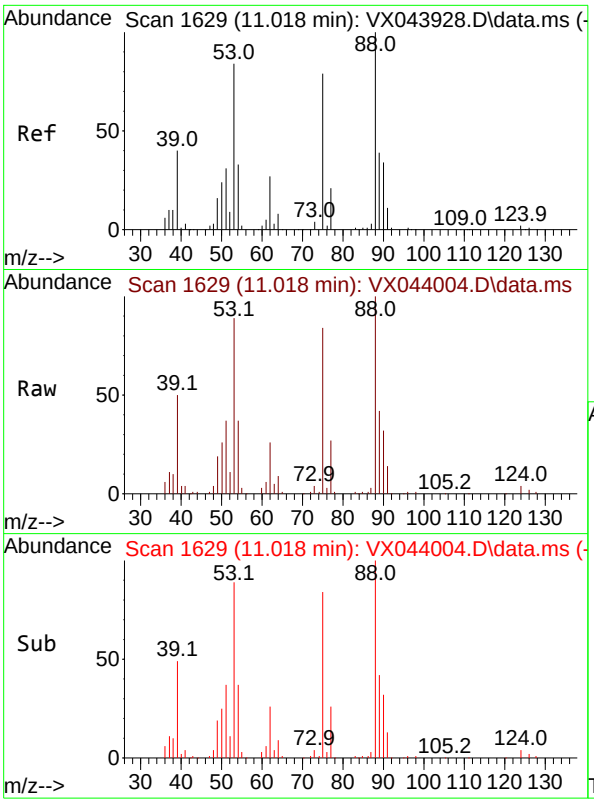


#80
1,3,5-Trimethylbenzene
Concen: 48.750 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:105 Resp: 285548

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8



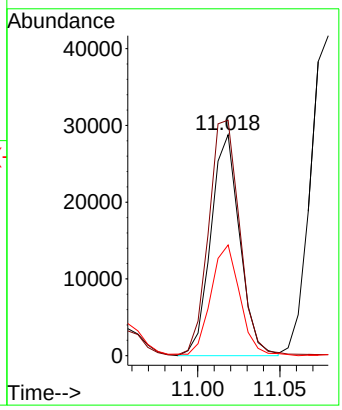


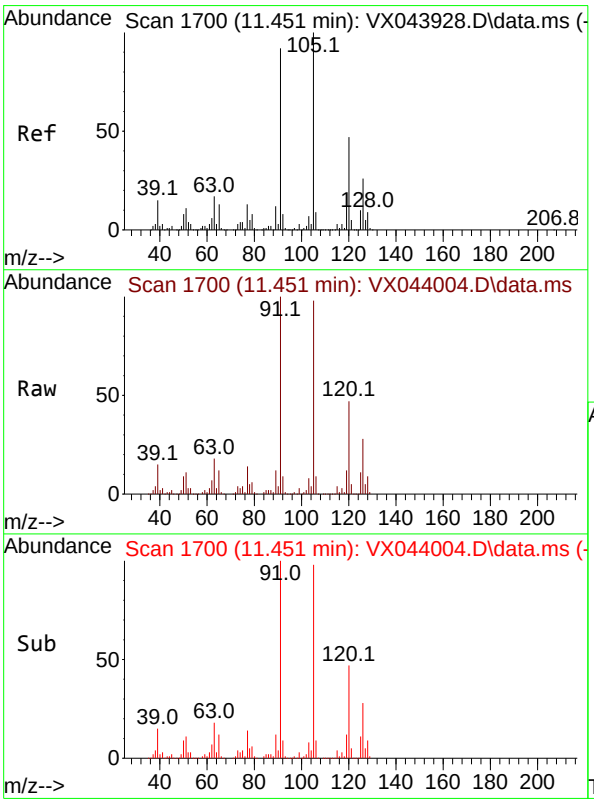
#81
trans-1,4-Dichloro-2-butene
Concen: 47.385 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 35271

Ion	Ratio	Lower	Upper
75	100		
53	115.1	86.7	130.1
89	50.7	38.2	57.2

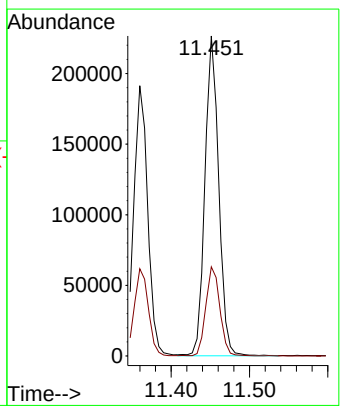


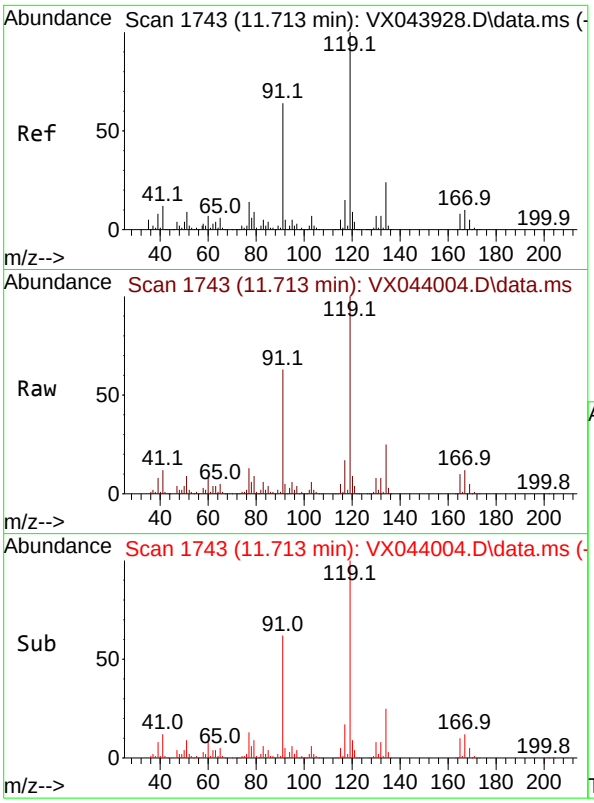


#82
4-Chlorotoluene
Concen: 48.649 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 276164

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.3	42.9



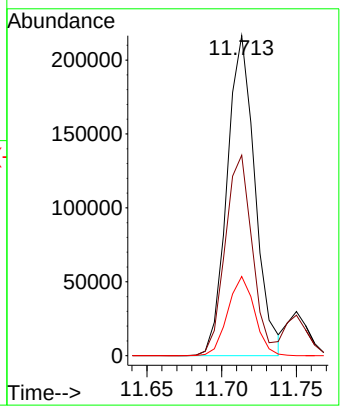


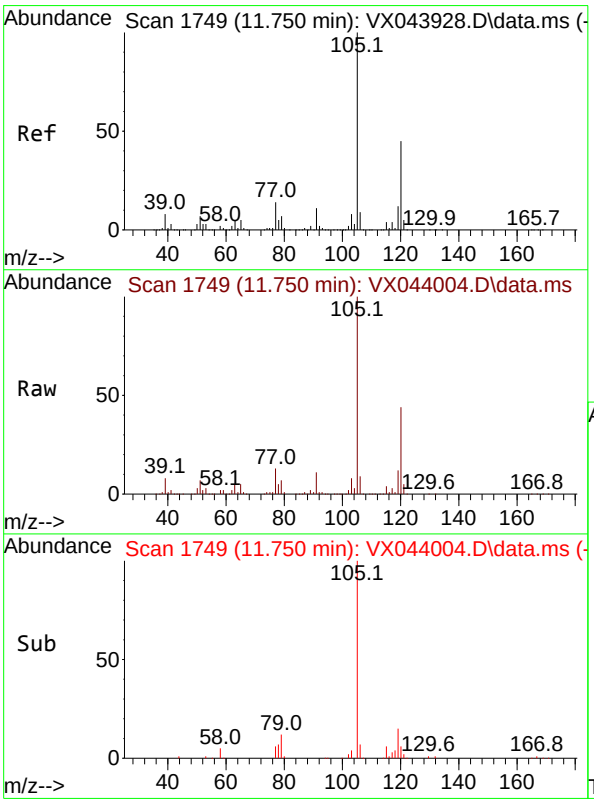
#83
tert-Butylbenzene
Concen: 48.392 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 280949

Ion	Ratio	Lower	Upper
119	100		
91	60.5	31.0	93.0
134	23.8	11.6	34.8

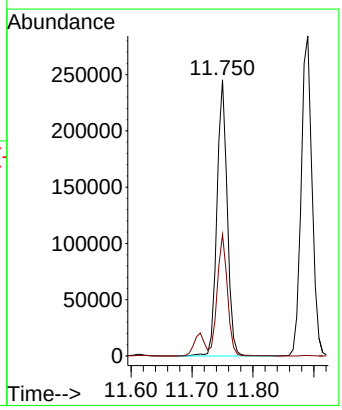


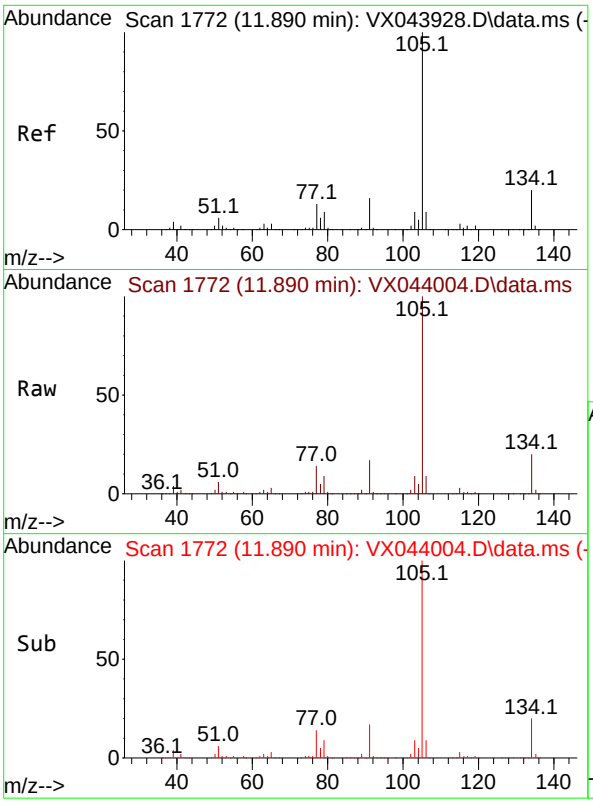


#84
1,2,4-Trimethylbenzene
Concen: 49.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:105 Resp: 288545

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.7



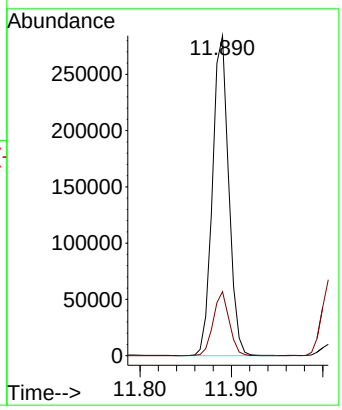


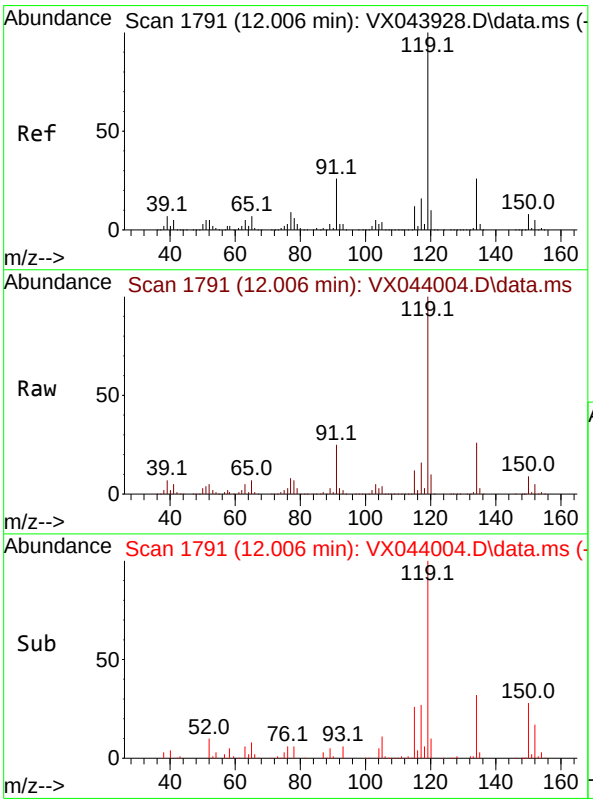
#85
sec-Butylbenzene
Concen: 49.271 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 350478

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

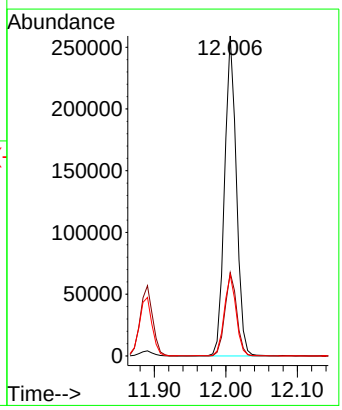


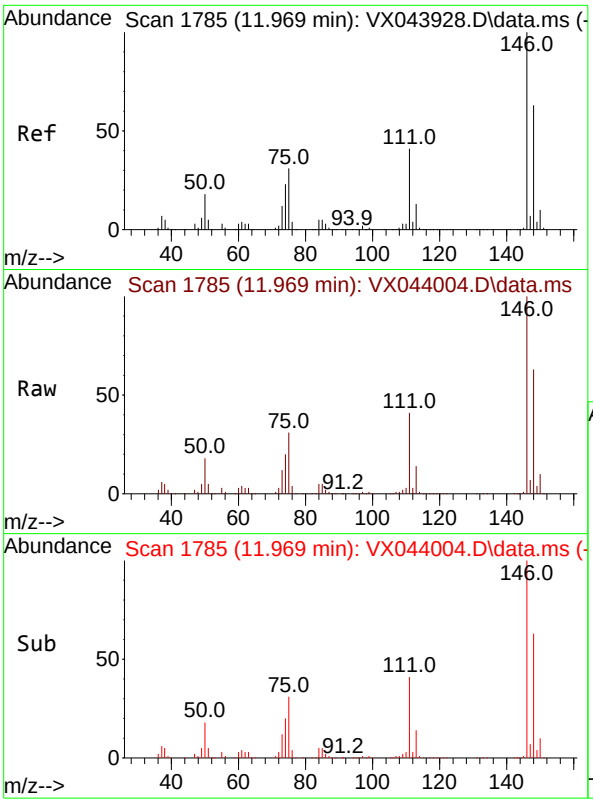


#86
p-Isopropyltoluene
Concen: 51.525 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:119 Resp: 297712

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.4	13.0	38.9



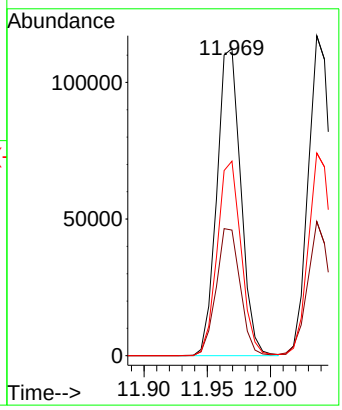


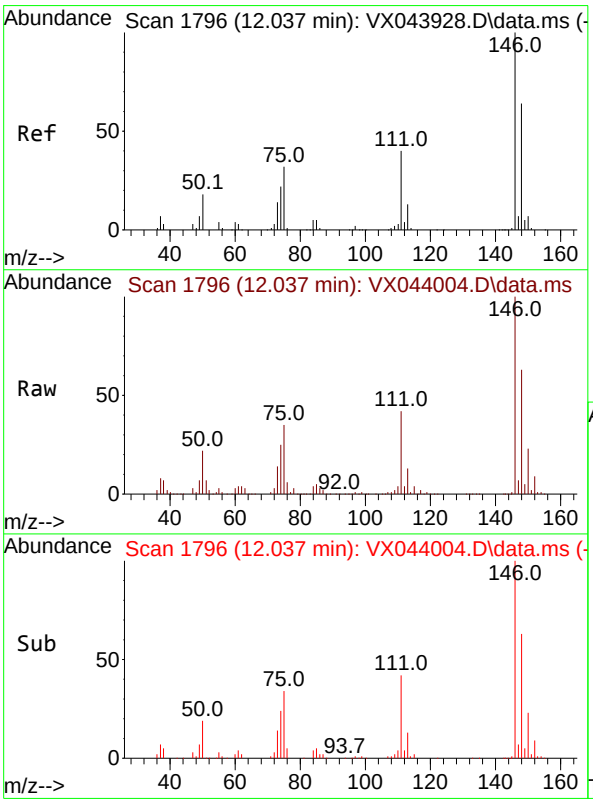
#87
1,3-Dichlorobenzene
Concen: 47.812 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 147898

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	63.3	31.7	95.1

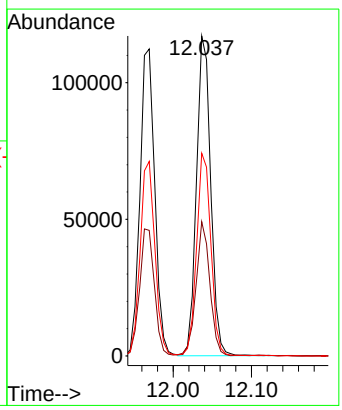


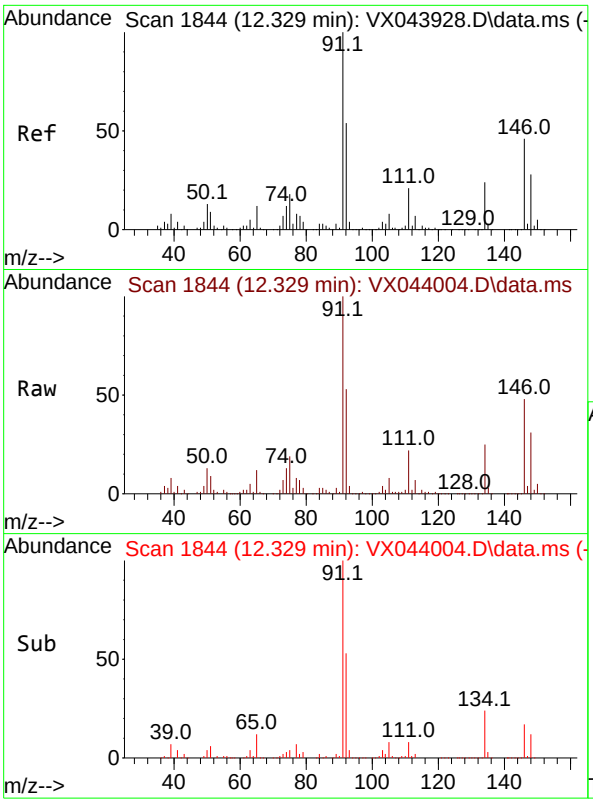


#88
1,4-Dichlorobenzene
Concen: 46.902 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:146 Resp: 147915

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.3
148	63.2	30.9	92.8



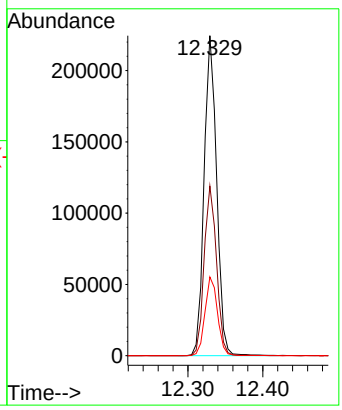


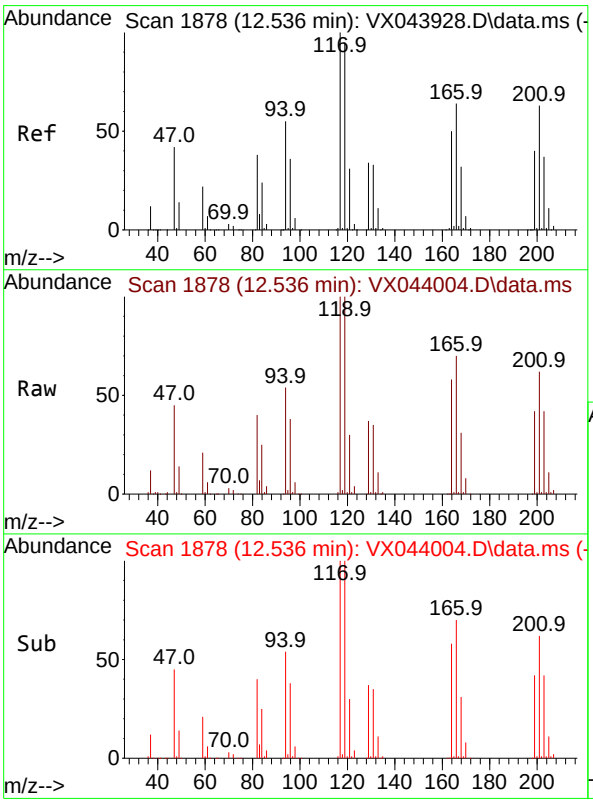
#89
n-Butylbenzene
Concen: 51.276 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 261214

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	24.7	12.4	37.2

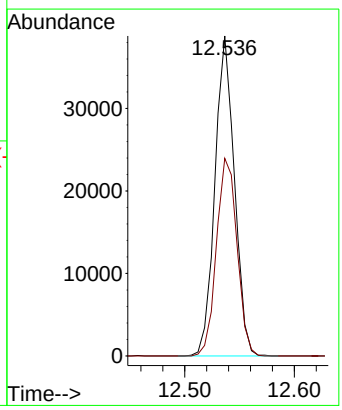


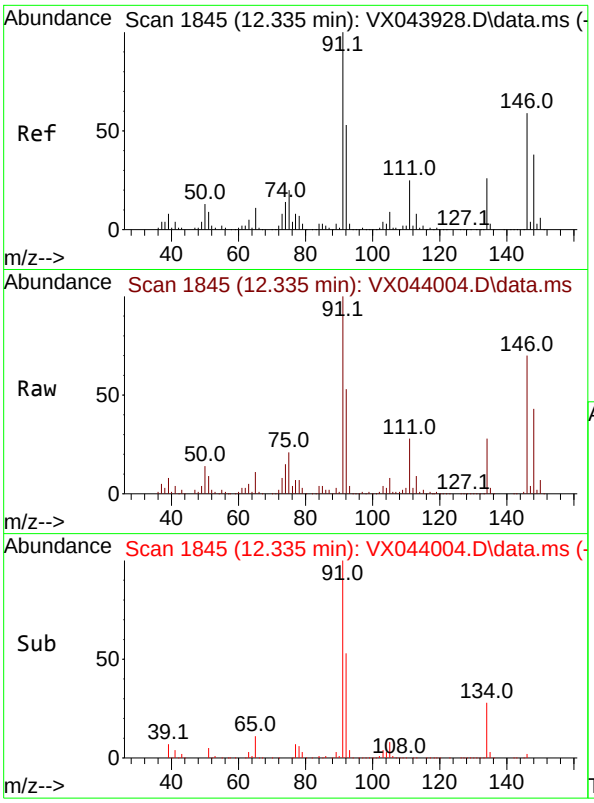


#90
Hexachloroethane
Concen: 48.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:117 Resp: 47951

Ion	Ratio	Lower	Upper
117	100		
201	65.2	32.4	97.0



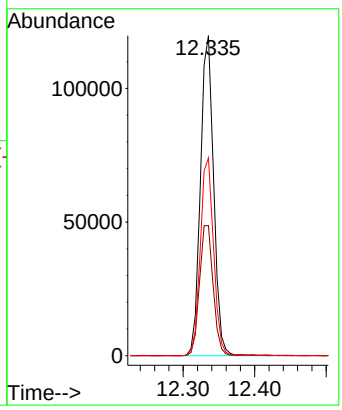


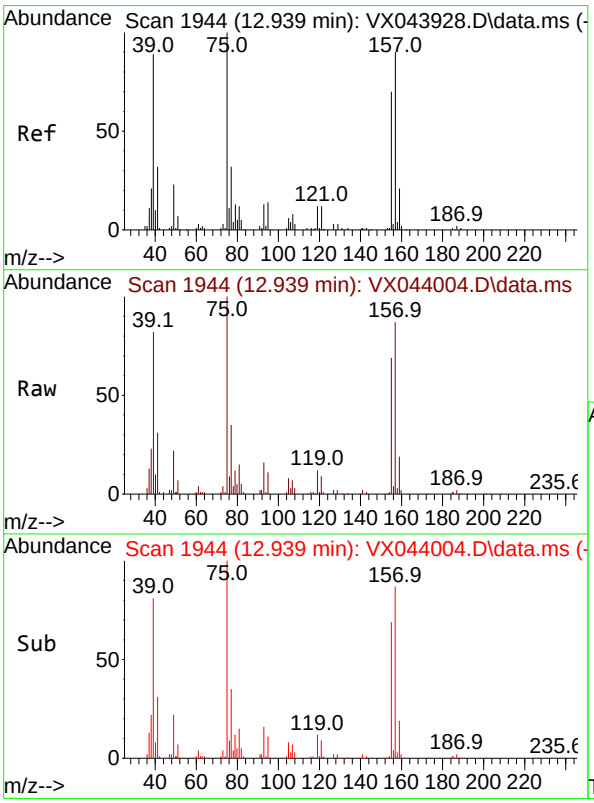
#91
1,2-Dichlorobenzene
Concen: 49.239 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 153709

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.5	64.5
148	62.2	31.9	95.5

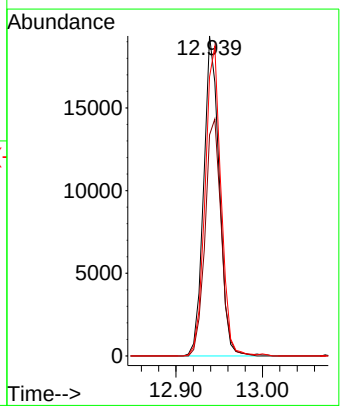


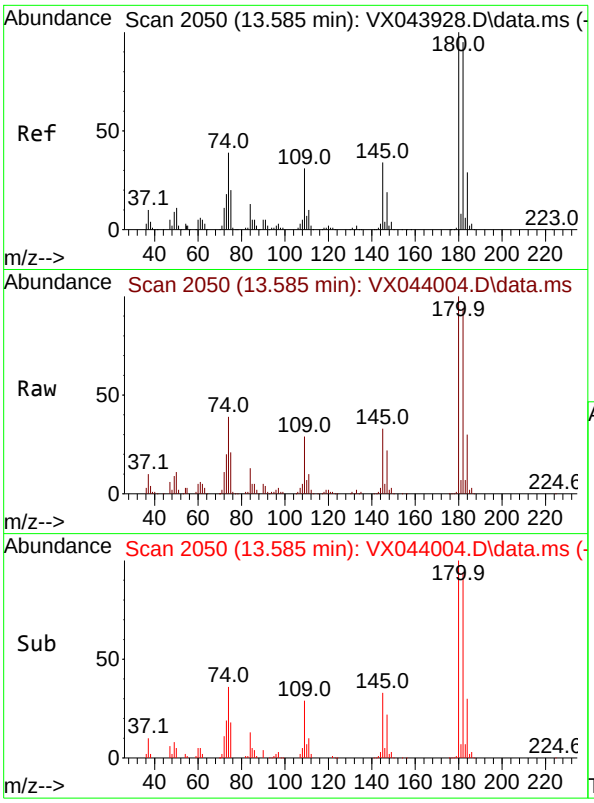


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.526 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 24192

Ion	Ratio	Lower	Upper
75	100		
155	76.6	40.1	120.2
157	98.9	49.6	149.0



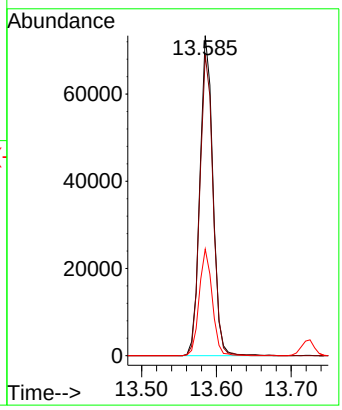


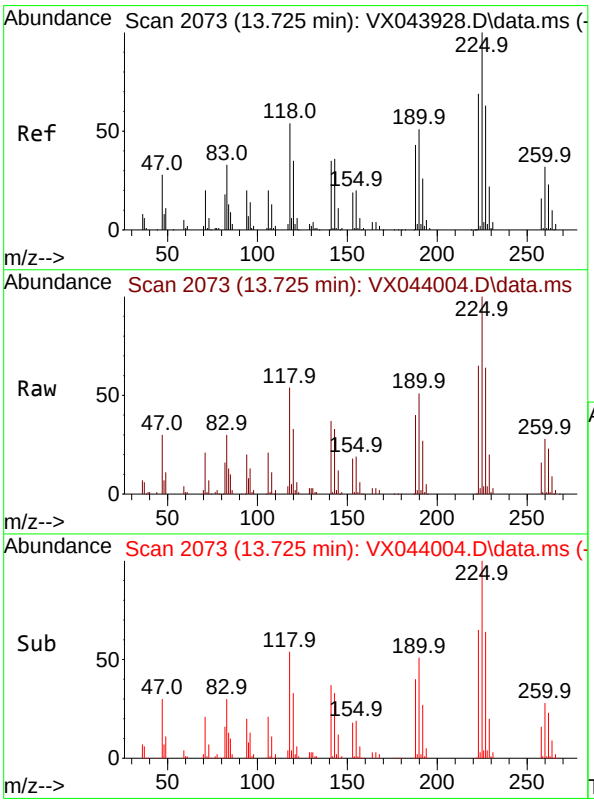
#93
1,2,4-Trichlorobenzene
Concen: 48.090 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 88506

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	33.3	16.8	50.4

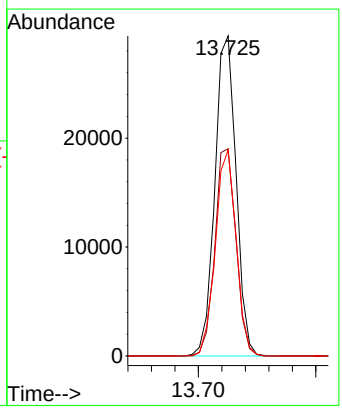


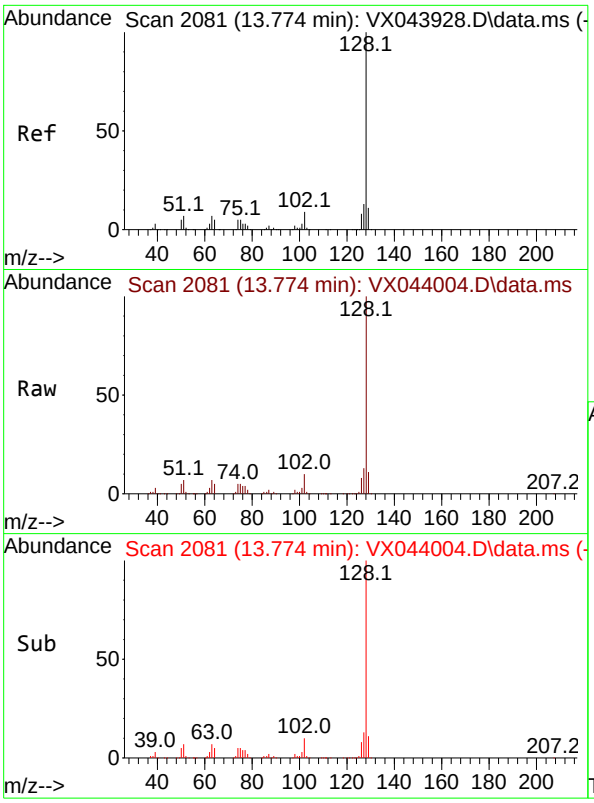


#94
Hexachlorobutadiene
Concen: 50.669 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:225 Resp: 36855

Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.9	98.6
227	63.0	31.6	94.8



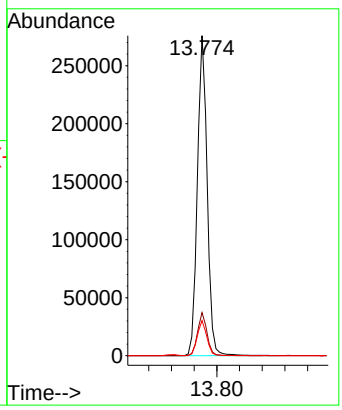


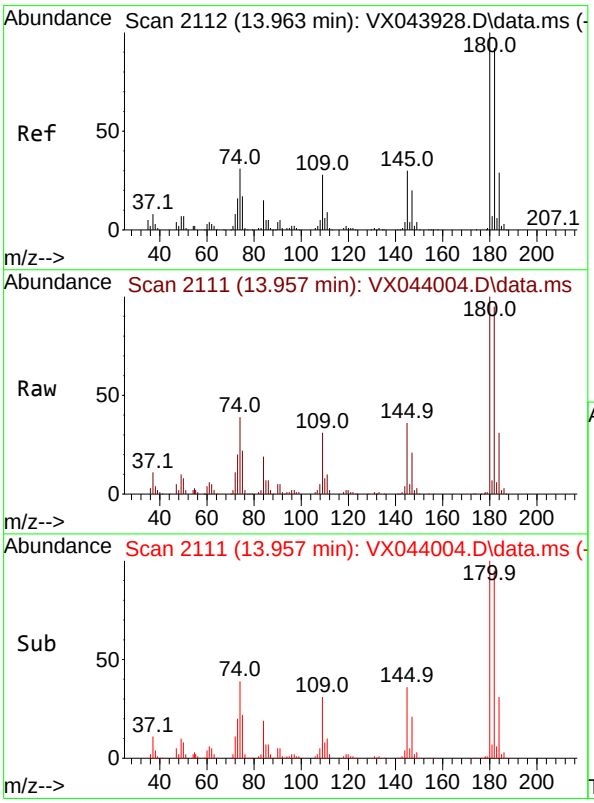
#95
Naphthalene
Concen: 49.840 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 330189

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8

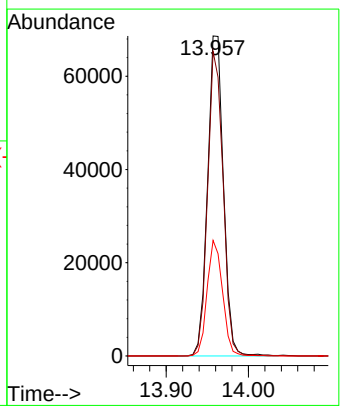




#96
1,2,3-Trichlorobenzene
Concen: 49.496 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044004.D
Acq: 26 Nov 2024 09:59

Tgt Ion:180 Resp: 92201

Ion	Ratio	Lower	Upper
180	100		
182	92.3	45.6	136.8
145	35.0	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBs01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	126484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	228899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109611	50.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.060%			
35) Dibromofluoromethane	5.379	113	79171	48.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.800%			
50) Toluene-d8	8.647	98	277374	49.197	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	11.079	95	94239	49.114	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	28827	17.990	ug/l	93
3) Chloromethane	1.295	50	31644	18.767	ug/l	99
4) Vinyl Chloride	1.374	62	33381	18.612	ug/l	99
5) Bromomethane	1.593	94	21005	19.038	ug/l	90
6) Chloroethane	1.666	64	23849	21.823	ug/l	94
7) Trichlorofluoromethane	1.868	101	62603	19.524	ug/l	99
8) Diethyl Ether	2.130	74	22655	19.385	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	28164	18.414	ug/l	99
10) Methyl Iodide	2.441	142	35540	18.605	ug/l	99
11) Tert butyl alcohol	2.995	59	30103	86.450	ug/l	100
12) 1,1-Dichloroethene	2.307	96	26326	18.063	ug/l	94
13) Acrolein	2.233	56	34432	93.813	ug/l	97
14) Allyl chloride	2.654	41	45281	19.014	ug/l	98
15) Acrylonitrile	3.063	53	82583	97.321	ug/l	100
16) Acetone	2.386	43	96113	96.461	ug/l	98
17) Carbon Disulfide	2.502	76	45228	15.044	ug/l	99
18) Methyl Acetate	2.703	43	45089	19.432	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	105281	19.894	ug/l	99
20) Methylene Chloride	2.782	84	32937	19.479	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	27839	18.501	ug/l	95
22) Diisopropyl ether	3.764	45	102578	20.144	ug/l	97
23) Vinyl Acetate	3.721	43	423782	97.282	ug/l	98
24) 1,1-Dichloroethane	3.605	63	58526	19.922	ug/l	99
25) 2-Butanone	4.562	43	124838	97.100	ug/l	100
26) 2,2-Dichloropropane	4.471	77	51476	19.402	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	35989	19.349	ug/l	98
28) Bromochloromethane	4.891	49	24714	19.112	ug/l	100
29) Tetrahydrofuran	5.013	42	72702	92.239	ug/l	99
30) Chloroform	5.087	83	64403	20.383	ug/l	99
31) Cyclohexane	5.458	56	43524	18.001	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	54646	20.055	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38113	18.700	ug/l	99
37) Ethyl Acetate	4.715	43	46886	18.532	ug/l	98
38) Carbon Tetrachloride	5.672	117	41327	18.046	ug/l	94
39) Methylcyclohexane	7.379	83	45898	17.334	ug/l	91
40) Benzene	6.032	78	122979	19.371	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBs01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	24753	19.116	ug/l		93
42) 1,2-Dichloroethane	6.080	62	49529	19.425	ug/l		99
43) Isopropyl Acetate	6.342	43	77739	19.307	ug/l		100
44) Trichloroethene	7.117	130	30827	17.152	ug/l		92
45) 1,2-Dichloropropane	7.428	63	31135	20.023	ug/l		97
46) Dibromomethane	7.580	93	24627	20.022	ug/l		96
47) Bromodichloromethane	7.818	83	43234	19.598	ug/l		97
48) Methyl methacrylate	7.696	41	35204	18.221	ug/l		98
49) 1,4-Dioxane	7.665	88	10766	312.828	ug/l		89
51) 4-Methyl-2-Pentanone	8.574	43	246977	100.516	ug/l		98
52) Toluene	8.714	92	75111	19.767	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	42946	19.090	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	46188	18.729	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	31047	19.793	ug/l		94
56) Ethyl methacrylate	9.116	69	48761	19.958	ug/l		97
57) 1,3-Dichloropropane	9.305	76	54924	20.786	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	114449	84.828	ug/l		100
59) 2-Hexanone	9.433	43	183298	99.251	ug/l		99
60) Dibromochloromethane	9.519	129	29286	18.608	ug/l		98
61) 1,2-Dibromoethane	9.610	107	31454	19.831	ug/l		100
64) Tetrachloroethene	9.269	164	25444	19.609	ug/l		96
65) Chlorobenzene	10.080	112	80796	18.694	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.159	131	27742	19.792	ug/l		97
67) Ethyl Benzene	10.195	91	141555	19.329	ug/l		98
68) m/p-Xylenes	10.299	106	105269	38.544	ug/l		100
69) o-Xylene	10.640	106	52630	19.737	ug/l		98
70) Styrene	10.653	104	86358	19.581	ug/l		99
71) Bromoform	10.799	173	17267	17.613	ug/l	#	99
73) Isopropylbenzene	10.957	105	136262	19.732	ug/l		98
74) N-amyl acetate	10.842	43	61285	19.157	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.214	83	48605	20.556	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	49640	25.197	ug/l		82
77) Bromobenzene	11.195	156	32745	19.878	ug/l		98
78) n-propylbenzene	11.305	91	151539	19.648	ug/l		99
79) 2-Chlorotoluene	11.360	91	97025	19.894	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	113431	19.966	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11741	16.262	ug/l		92
82) 4-Chlorotoluene	11.451	91	107199	19.470	ug/l		99
83) tert-Butylbenzene	11.713	119	111433	19.789	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	113761	20.112	ug/l		99
85) sec-Butylbenzene	11.890	105	133999	19.422	ug/l		99
86) p-Isopropyltoluene	12.006	119	110997	19.806	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	56964	18.986	ug/l		98
88) 1,4-Dichlorobenzene	12.043	146	56700	18.536	ug/l		97
89) n-Butylbenzene	12.329	91	94699	19.165	ug/l		98
90) Hexachloroethane	12.536	117	16678	17.501	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	58372	19.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8739	18.445	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	32265	18.075	ug/l		98
94) Hexachlorobutadiene	13.725	225	13509	19.148	ug/l		97
95) Naphthalene	13.774	128	121561	18.917	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	32745	18.123	ug/l		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBs01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

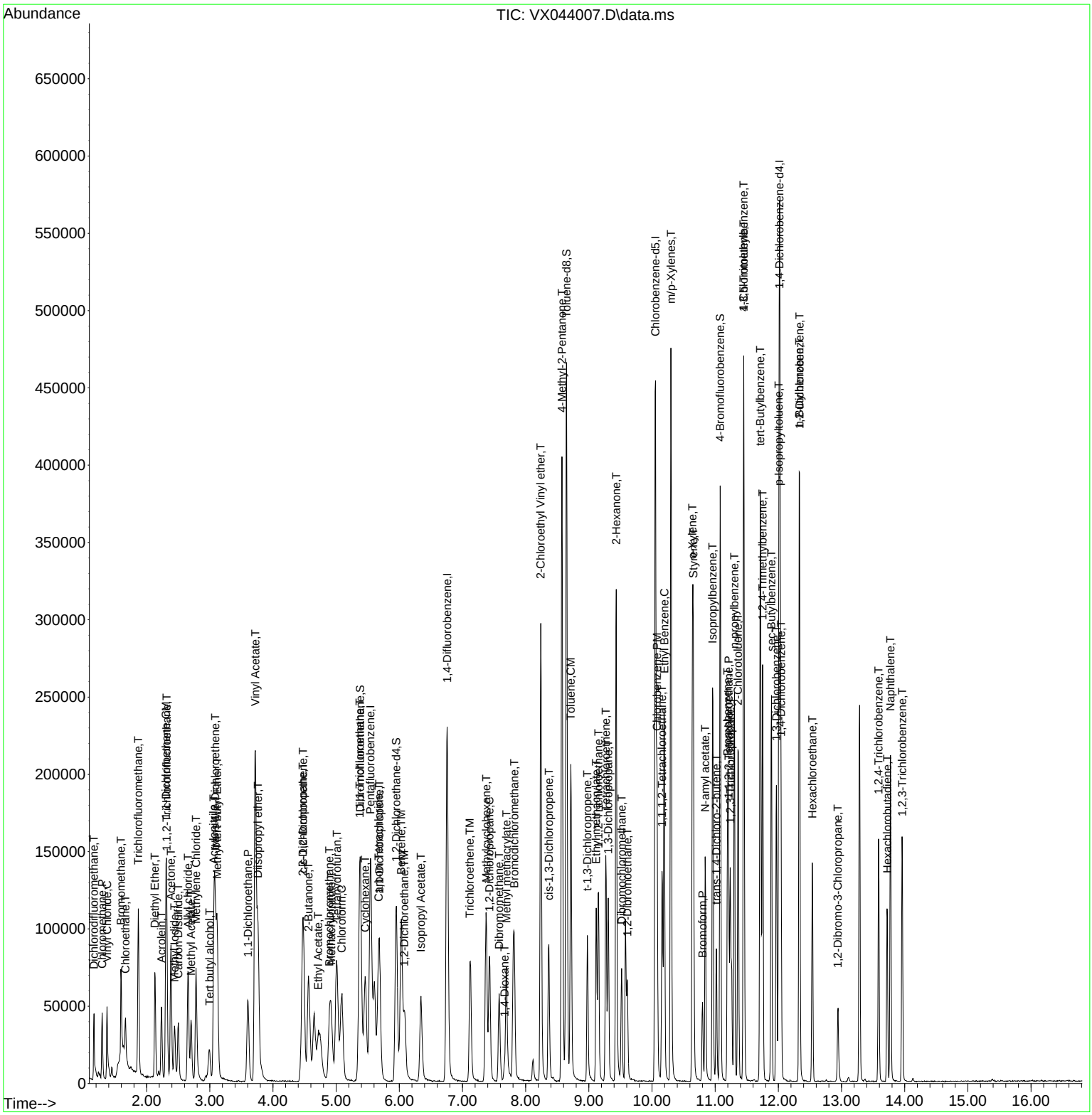
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

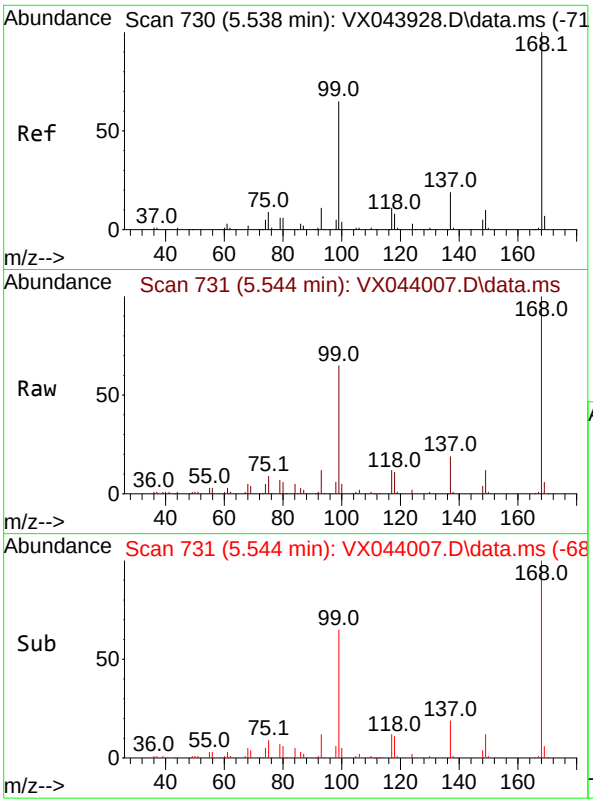
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044007.D
Acq On : 26 Nov 2024 11:17
Operator : JC/MD
Sample : VX1126WBs01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Quant Time: Nov 27 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



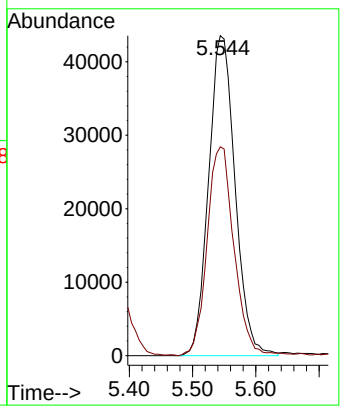


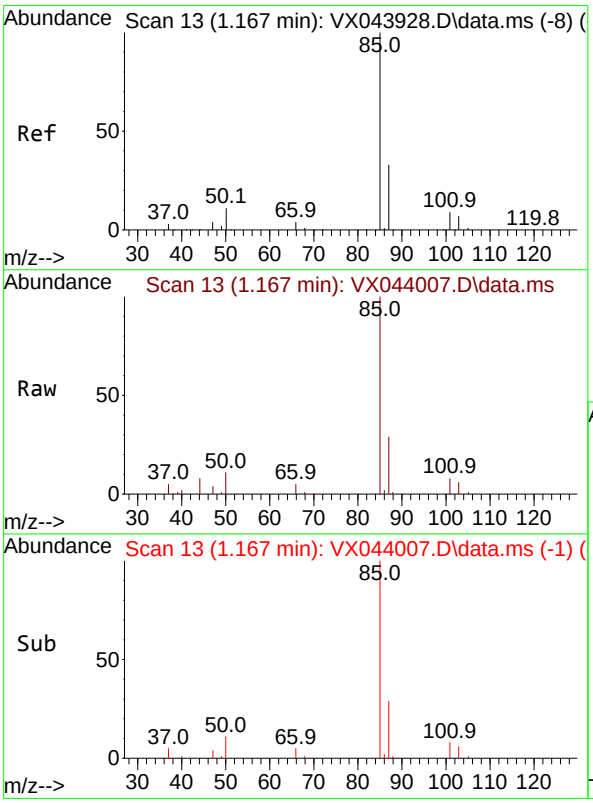
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:168 Resp: 126484

Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.8	77.8

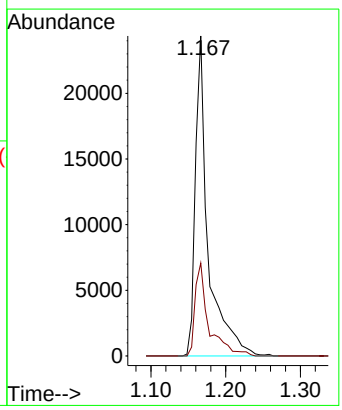


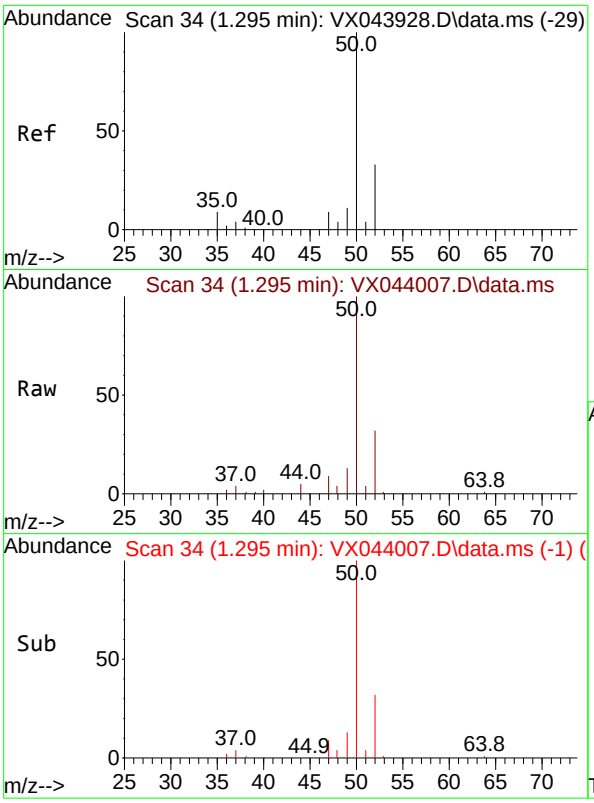


#2
Dichlorodifluoromethane
Concen: 17.990 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 85 Resp: 28827

Ion	Ratio	Lower	Upper
85	100		
87	29.1	16.6	49.8



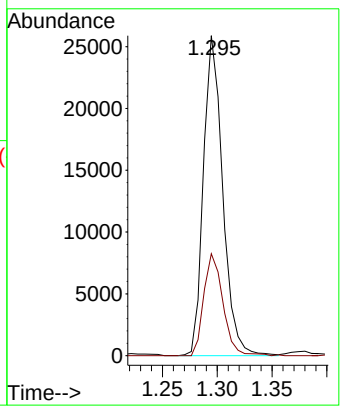


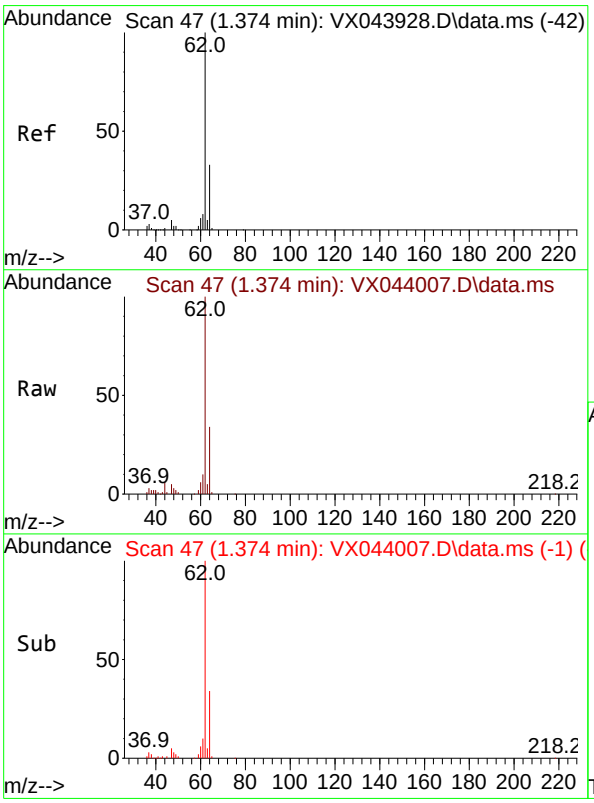
#3
Chloromethane
Concen: 18.767 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 50 Resp: 31644

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1

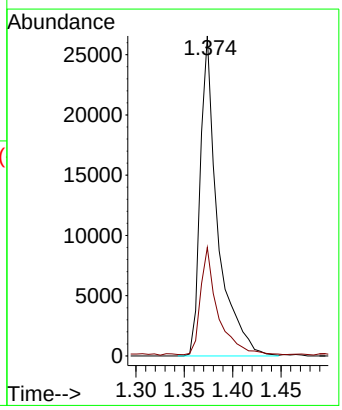


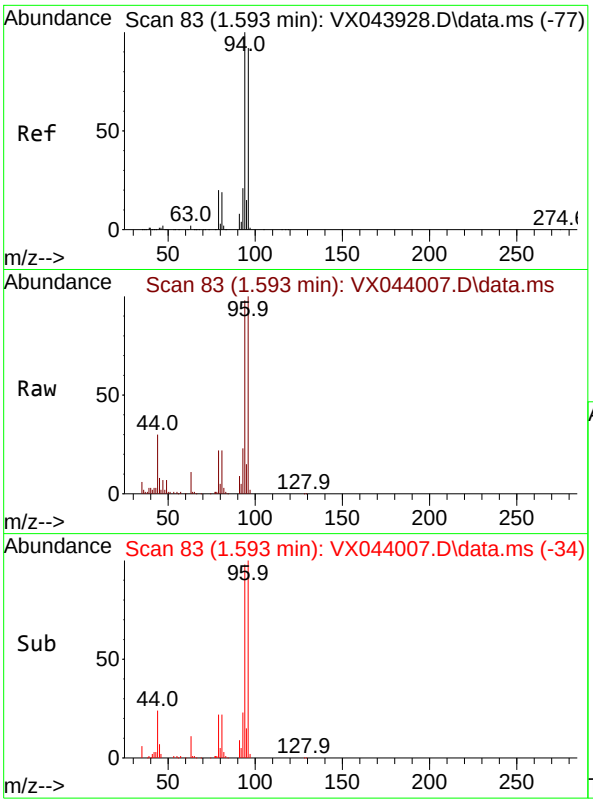


#4
Vinyl Chloride
Concen: 18.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 62 Resp: 33381

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.2	39.4



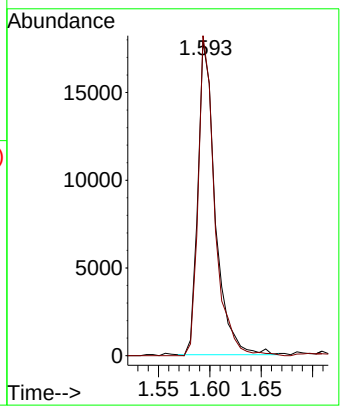


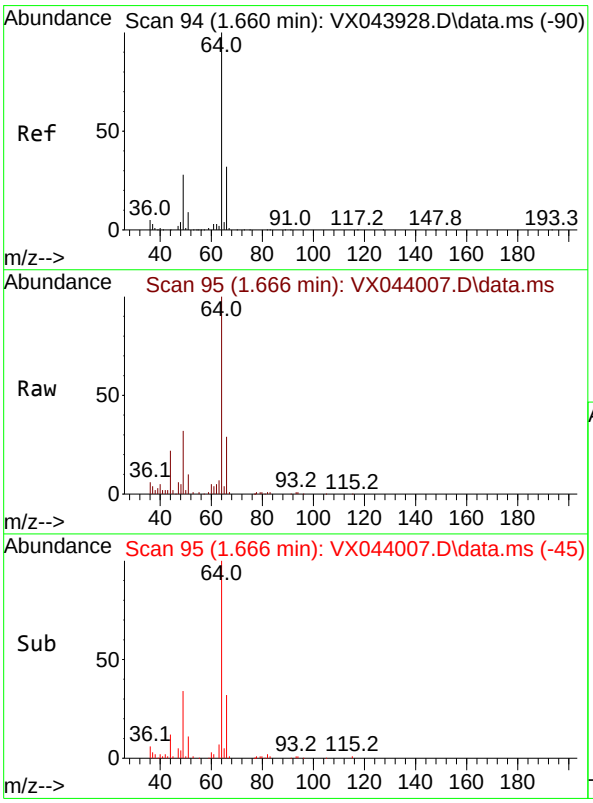
#5
Bromomethane
Concen: 19.038 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 94 Resp: 21005

Ion	Ratio	Lower	Upper
94	100		
96	102.0	73.9	110.9

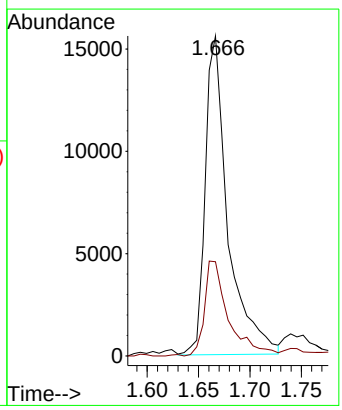


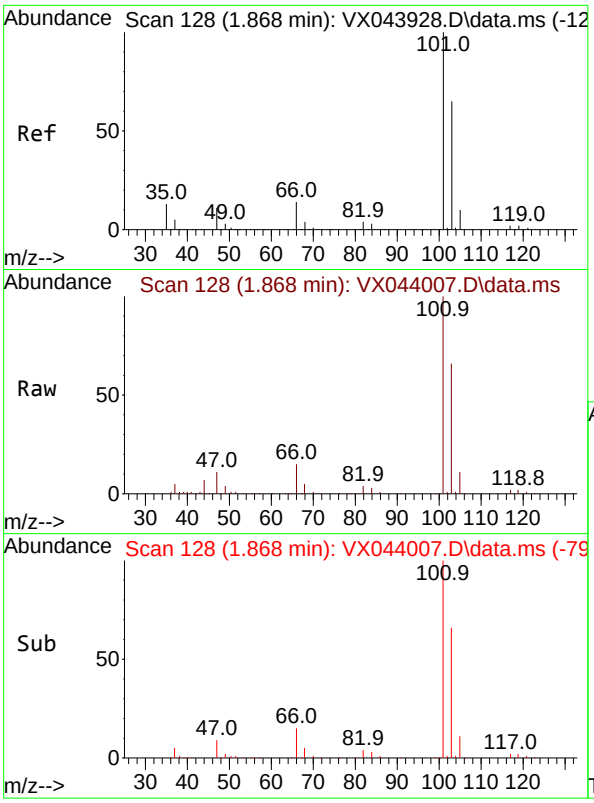


#6
Chloroethane
Concen: 21.823 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 64 Resp: 23849

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.9	38.9



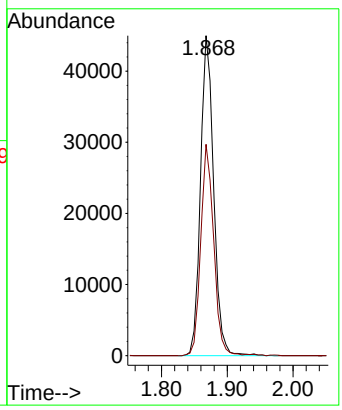


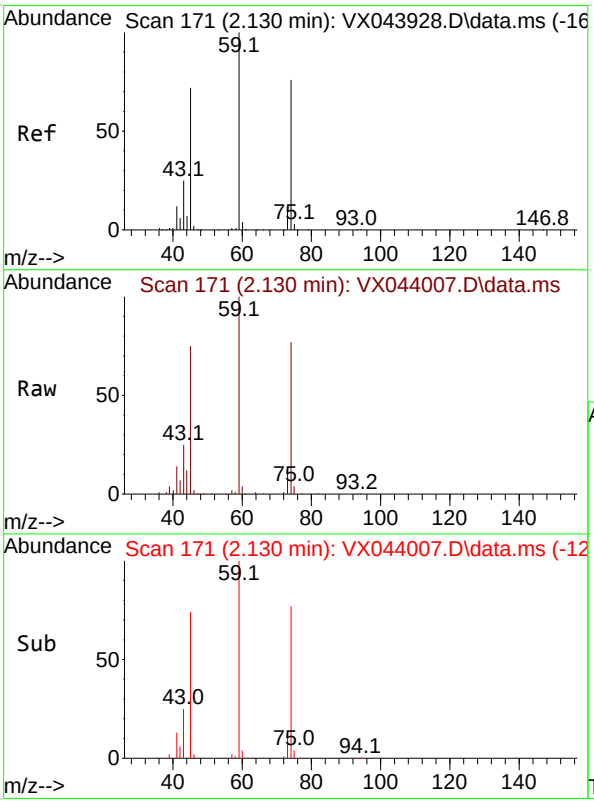
#7
Trichlorofluoromethane
Concen: 19.524 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:101 Resp: 62603

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

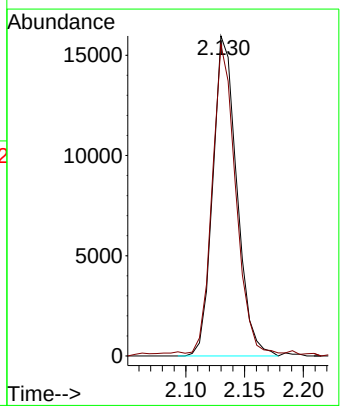


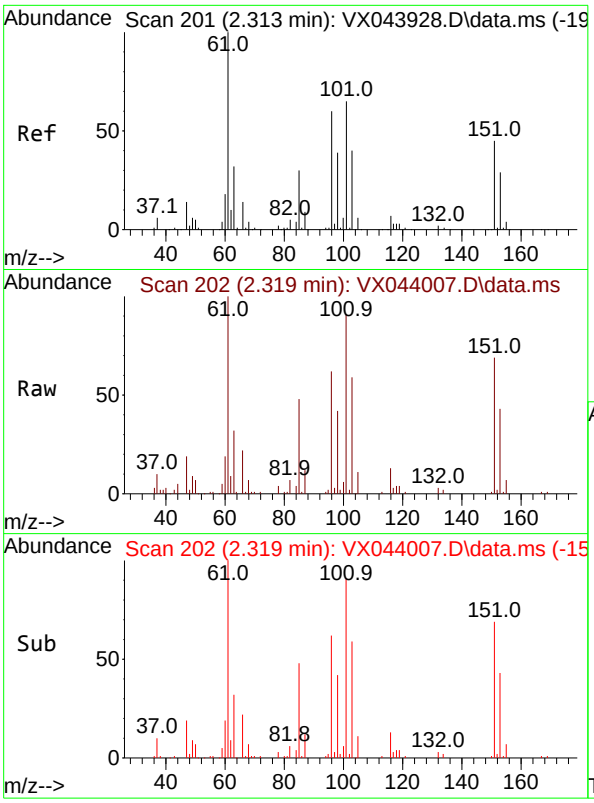


#8
Diethyl Ether
Concen: 19.385 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 74 Resp: 22655

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.9	143.6



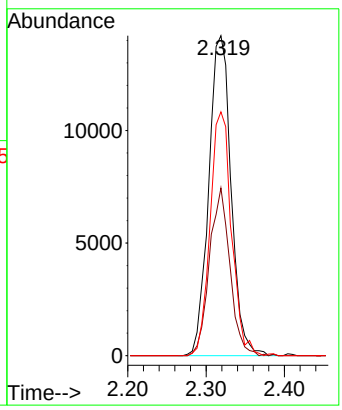


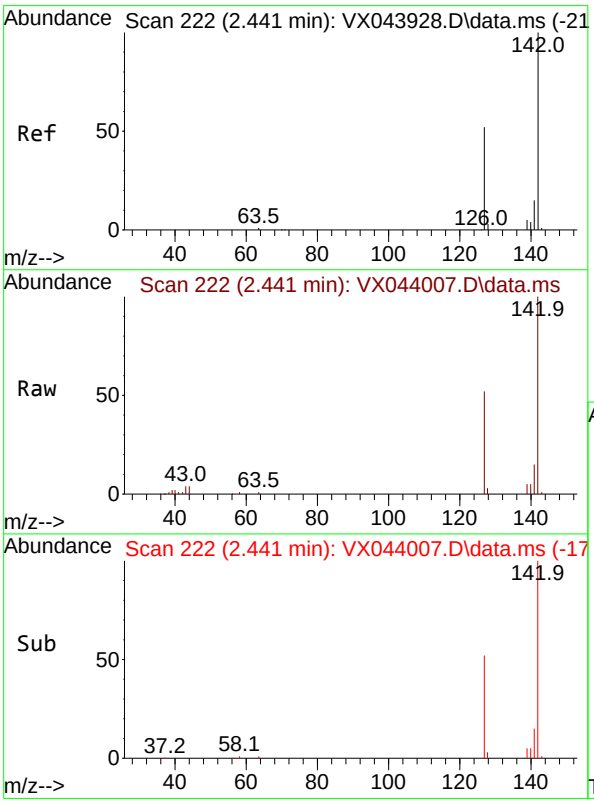
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.414 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:101 Resp: 28164

Ion	Ratio	Lower	Upper
101	100		
85	48.0	37.9	56.9
151	73.0	57.5	86.3

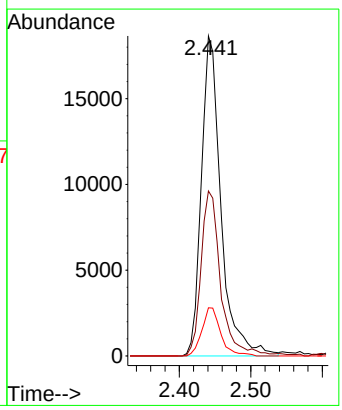


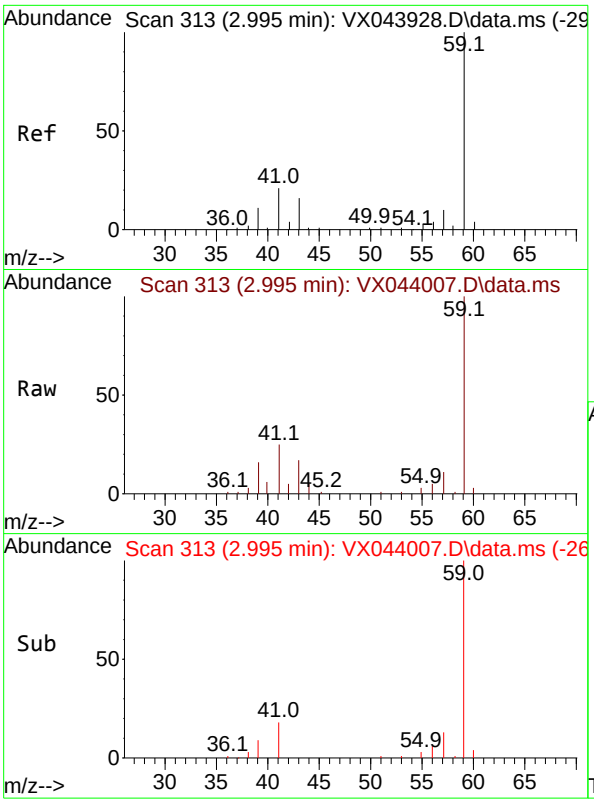


#10
Methyl Iodide
Concen: 18.605 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:142 Resp: 35540

Ion	Ratio	Lower	Upper
142	100		
127	51.9	40.7	61.1
141	14.5	12.0	18.0



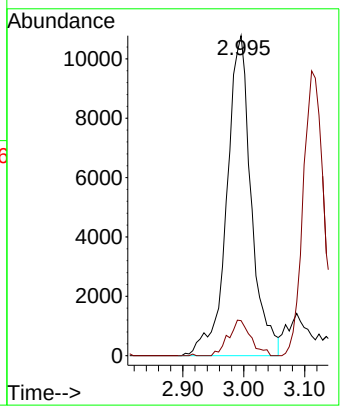


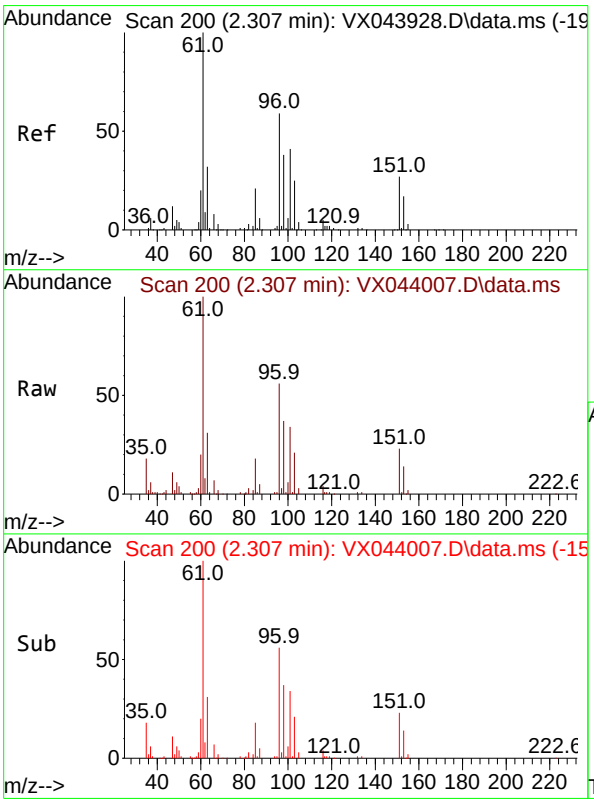
#11
Tert butyl alcohol
Concen: 86.450 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 59 Resp: 30103

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

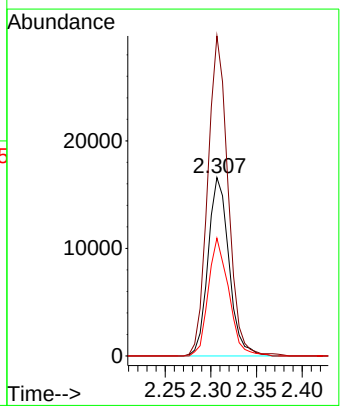


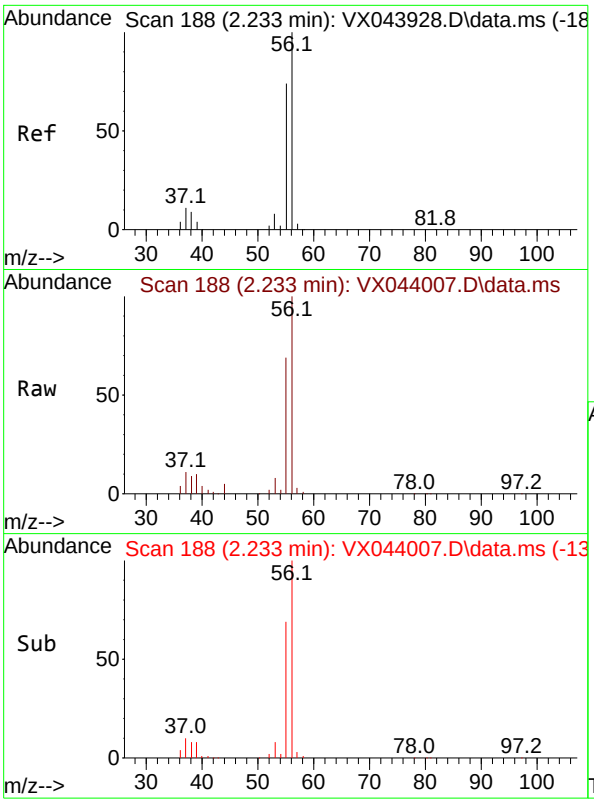


#12
1,1-Dichloroethene
Concen: 18.063 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 96 Resp: 26326

Ion	Ratio	Lower	Upper
96	100		
61	179.3	135.5	203.3
98	66.0	50.8	76.2



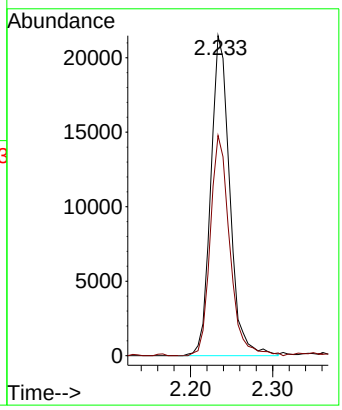


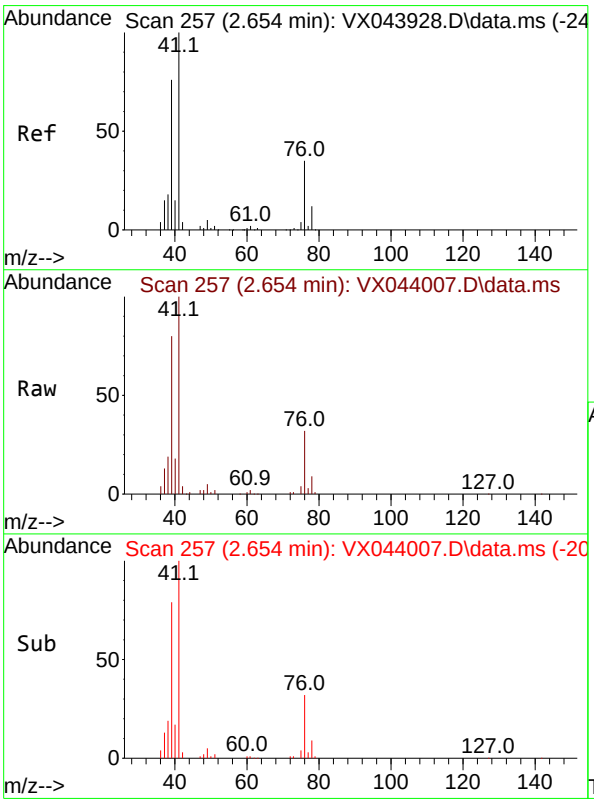
#13
Acrolein
Concen: 93.813 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 56 Resp: 34432

Ion	Ratio	Lower	Upper
56	100		
55	70.4	58.2	87.2

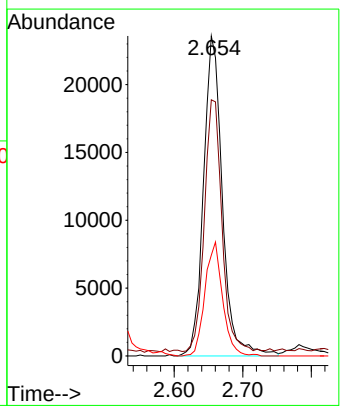


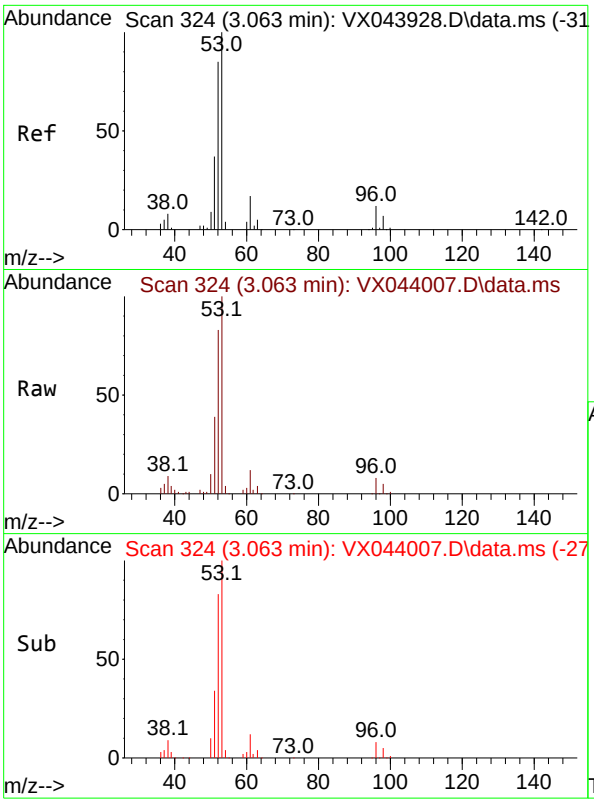


#14
Allyl chloride
Concen: 19.014 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 41 Resp: 45281

Ion	Ratio	Lower	Upper
41	100		
39	73.2	59.5	89.3
76	33.4	27.4	41.2



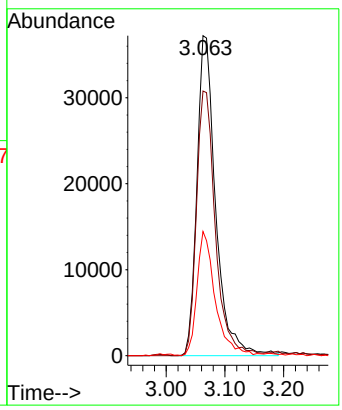


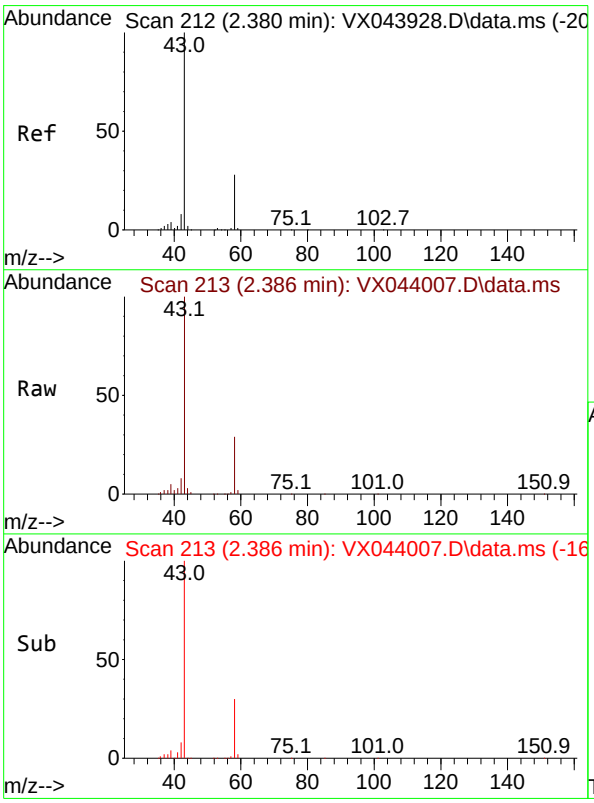
#15
Acrylonitrile
Concen: 97.321 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 53 Resp: 82583

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	37.9	30.2	45.4

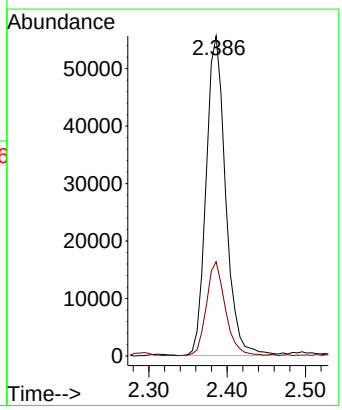


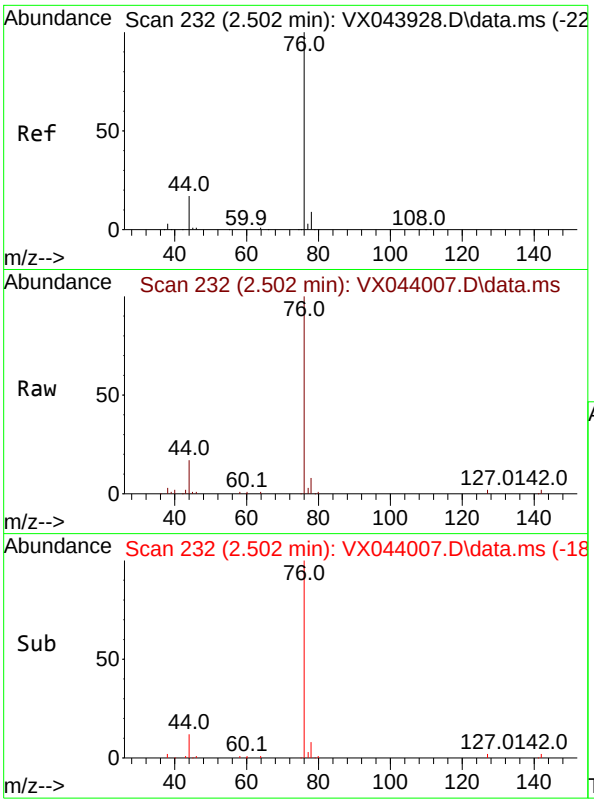


#16
Acetone
Concen: 96.461 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 96113

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.7	34.1



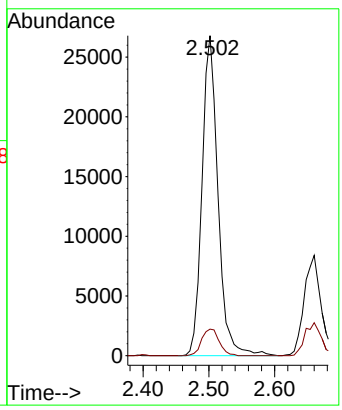


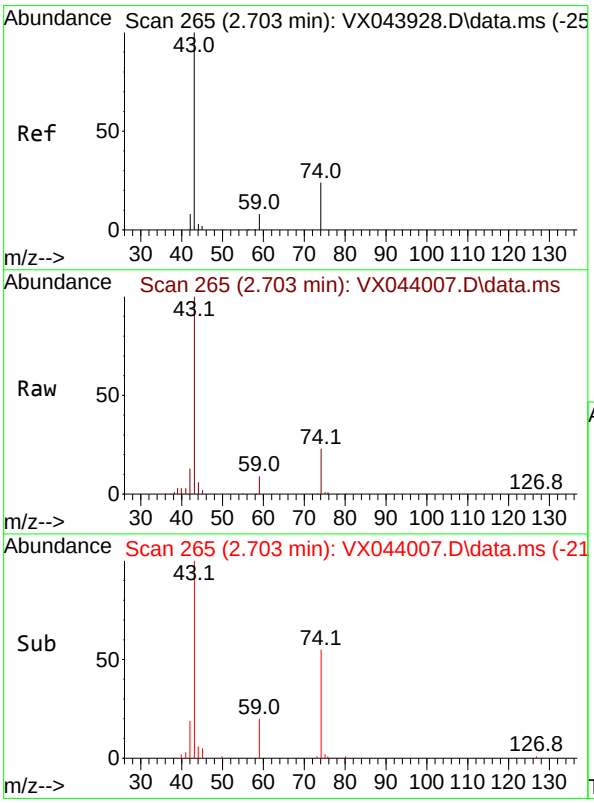
#17
Carbon Disulfide
Concen: 15.044 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 76 Resp: 45228

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

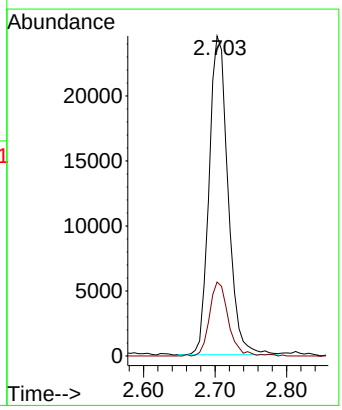


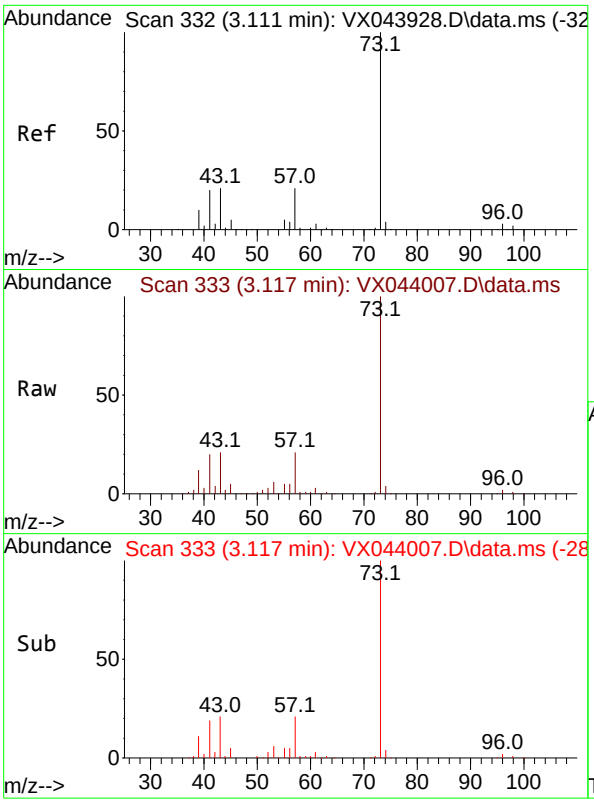


#18
Methyl Acetate
Concen: 19.432 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 45089

Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.9	28.3



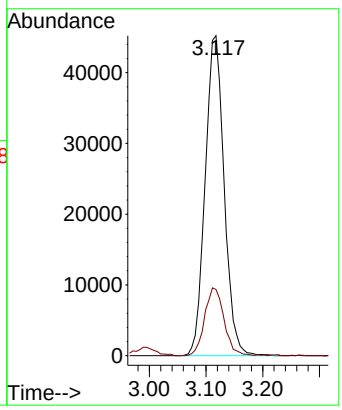


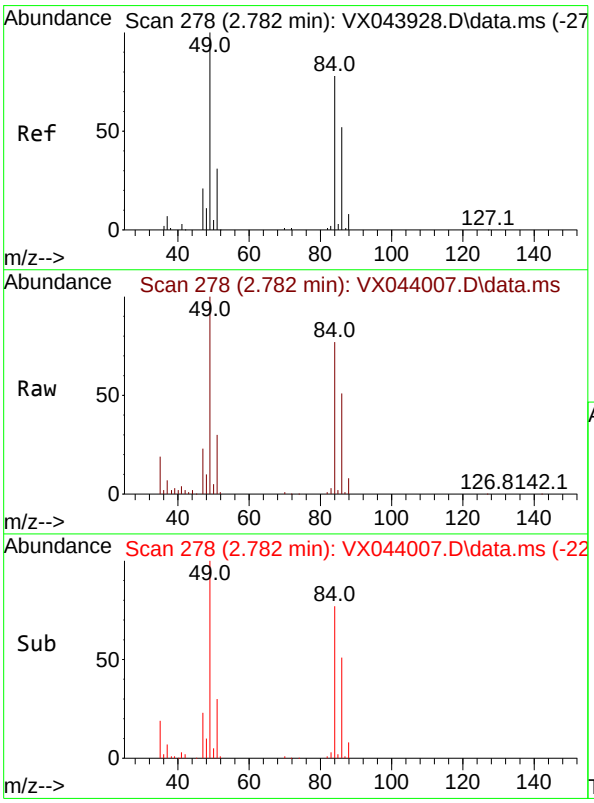
#19
Methyl tert-butyl Ether
Concen: 19.894 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 73 Resp: 105281

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.0	25.6

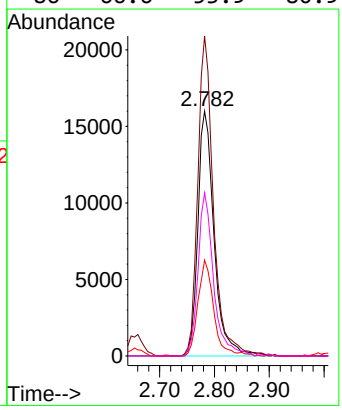


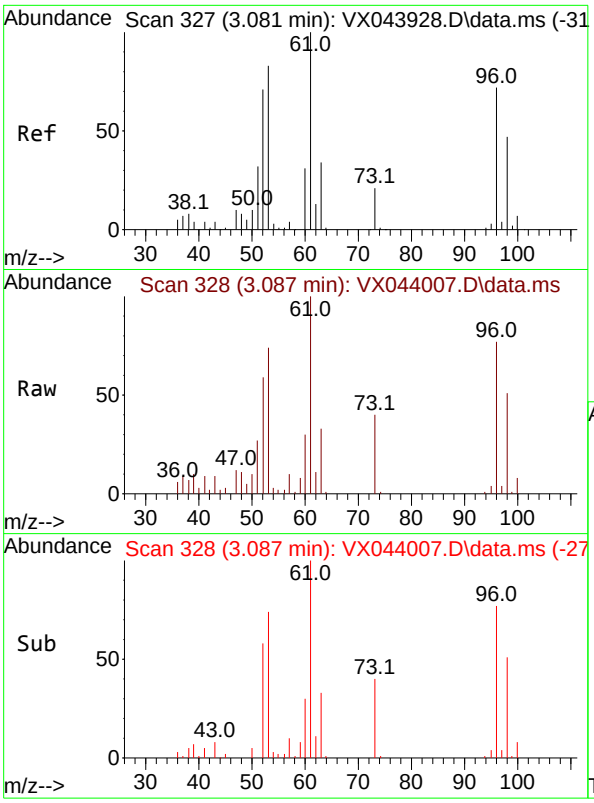


#20
Methylene Chloride
Concen: 19.479 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 84 Resp: 32937

Ion	Ratio	Lower	Upper
84	100		
49	130.7	102.7	154.1
51	39.1	31.7	47.5
86	66.6	53.9	80.9



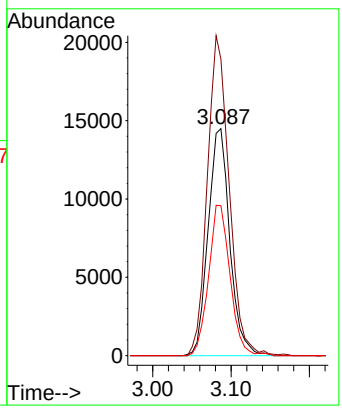


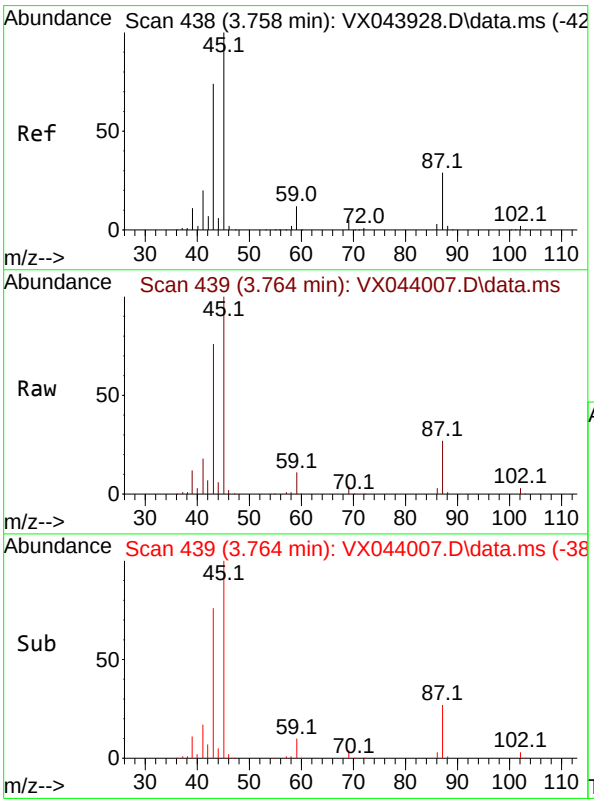
#21
trans-1,2-Dichloroethene
Concen: 18.501 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 96 Resp: 27839

Ion	Ratio	Lower	Upper
96	100		
61	130.7	111.8	167.6
98	66.1	52.7	79.1

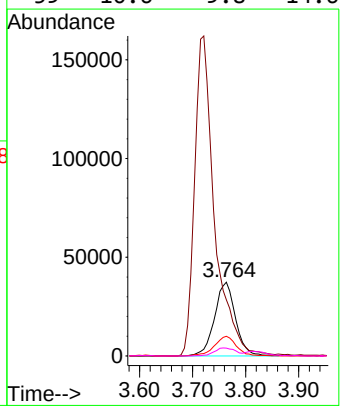


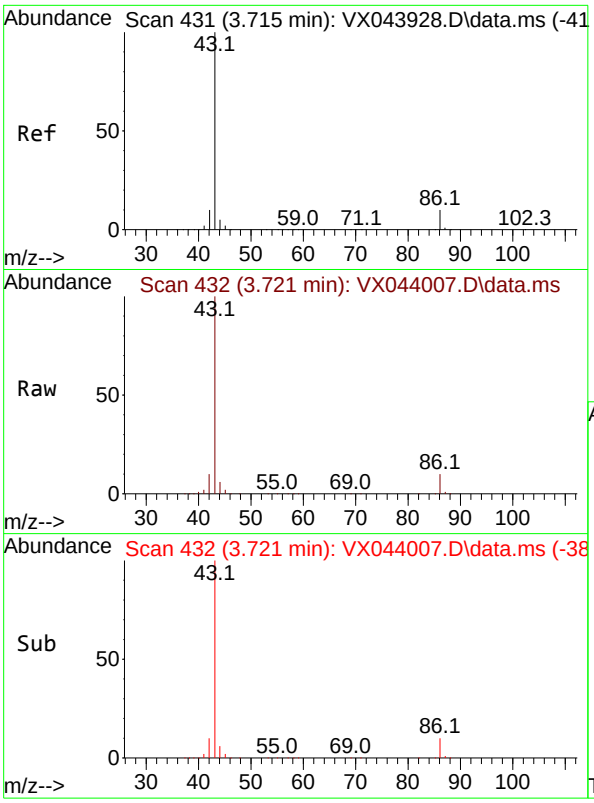


#22
Diisopropyl ether
Concen: 20.144 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 45 Resp: 102578

Ion	Ratio	Lower	Upper
45	100		
43	76.2	59.6	89.4
87	26.6	22.9	34.3
59	10.6	9.8	14.6



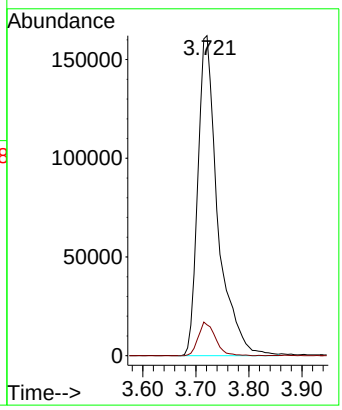


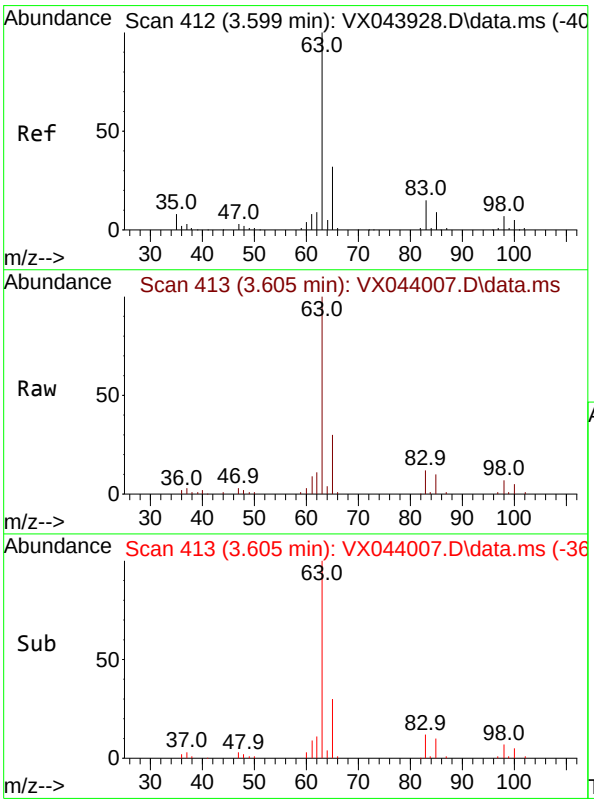
#23
Vinyl Acetate
Concen: 97.282 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 43 Resp: 423782

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.3	12.5

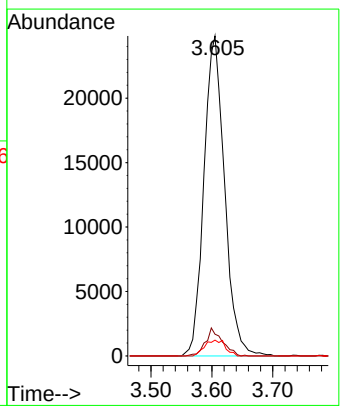


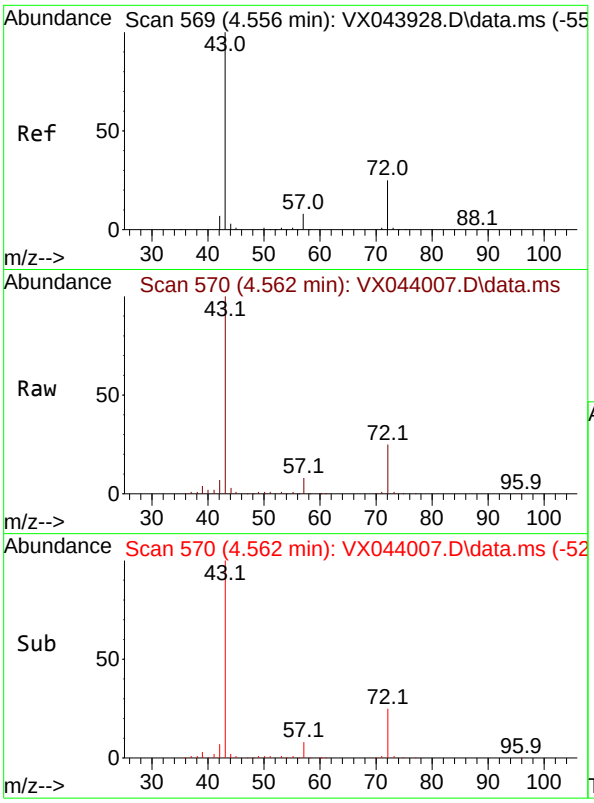


#24
1,1-Dichloroethane
Concen: 19.922 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 63 Resp: 58526

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.9	2.4	7.1



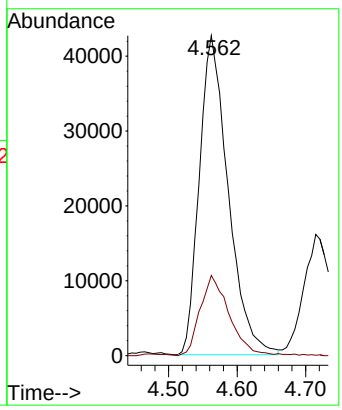


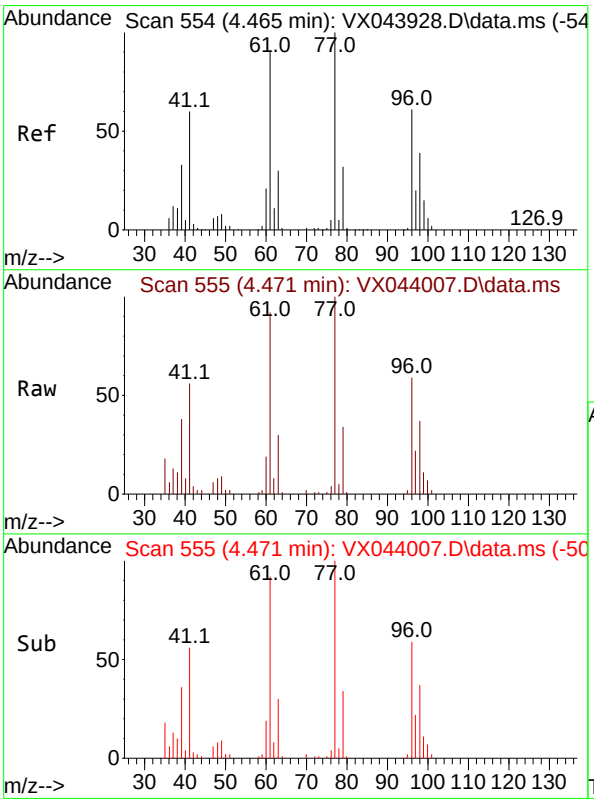
#25
2-Butanone
Concen: 97.100 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 43 Resp: 124838

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.2

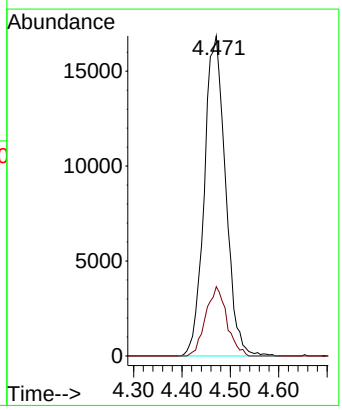


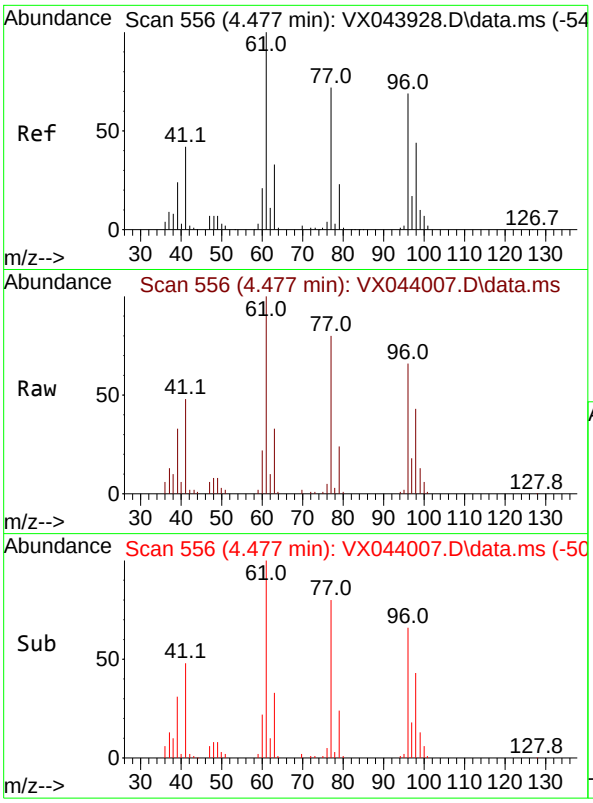


#26
2,2-Dichloropropane
Concen: 19.402 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 77 Resp: 51476

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



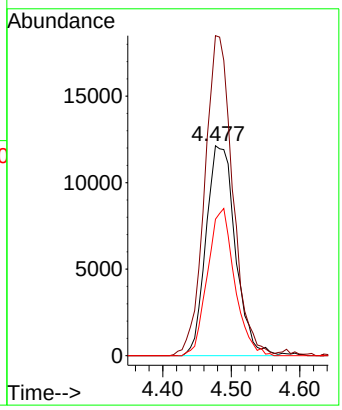


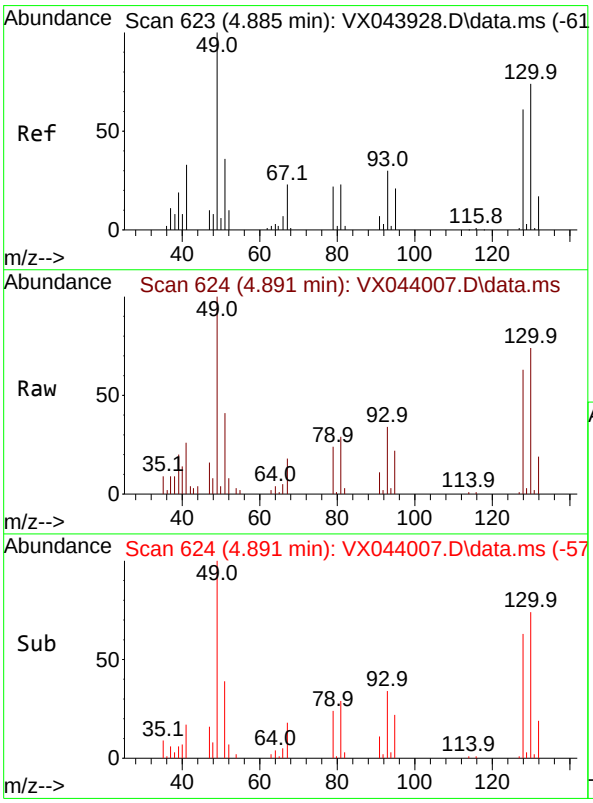
#27
cis-1,2-Dichloroethene
Concen: 19.349 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 96 Resp: 35989

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	297.4
98	64.9	0.0	127.8

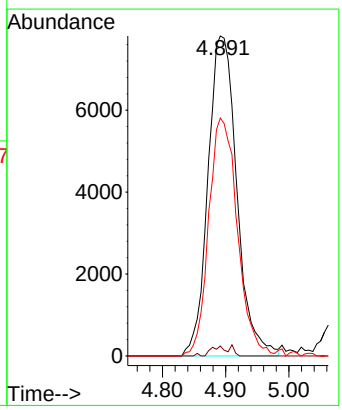


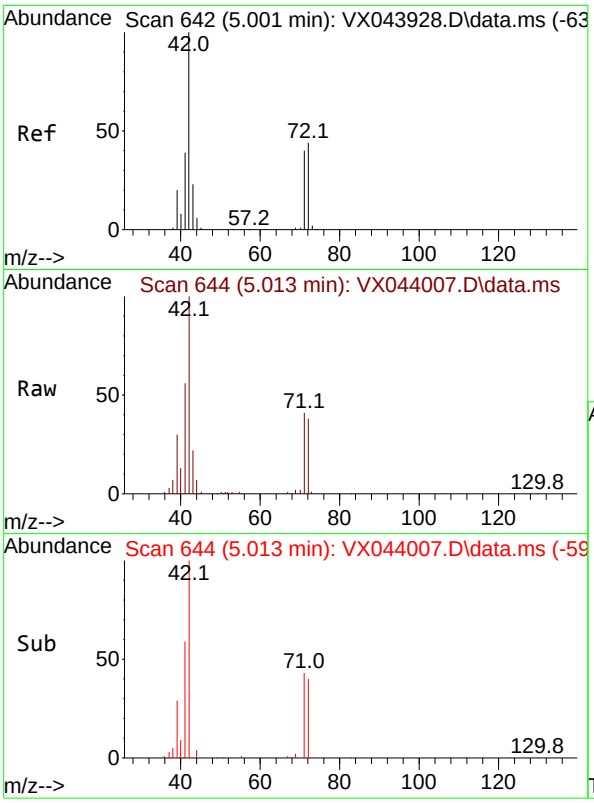


#28
Bromochloromethane
Concen: 19.112 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 49 Resp: 24714

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	73.7	59.0	88.6



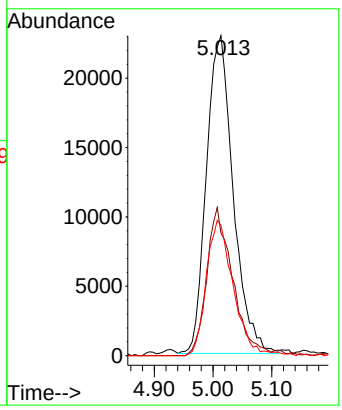


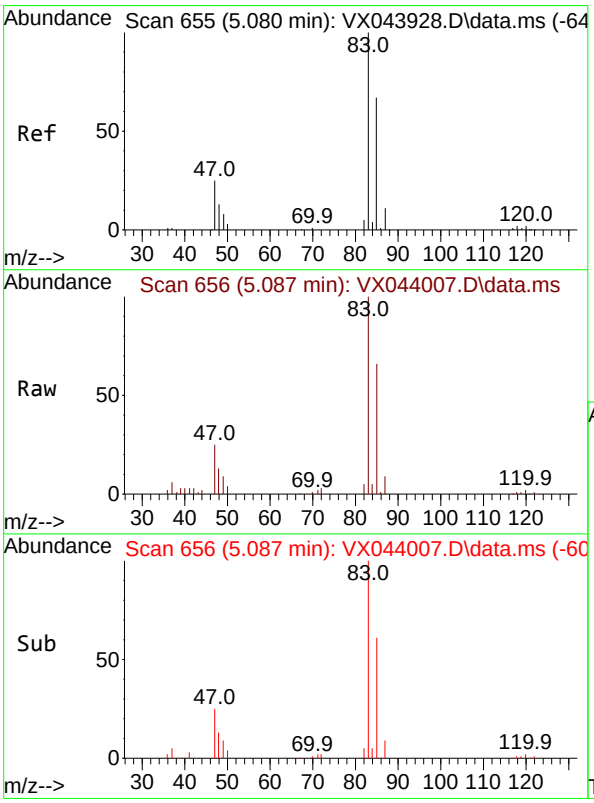
#29
Tetrahydrofuran
Concen: 92.239 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 42 Resp: 72702

Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.7	33.4	50.0

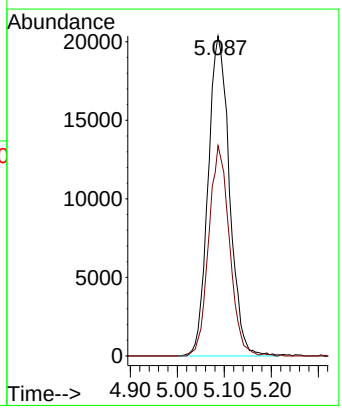


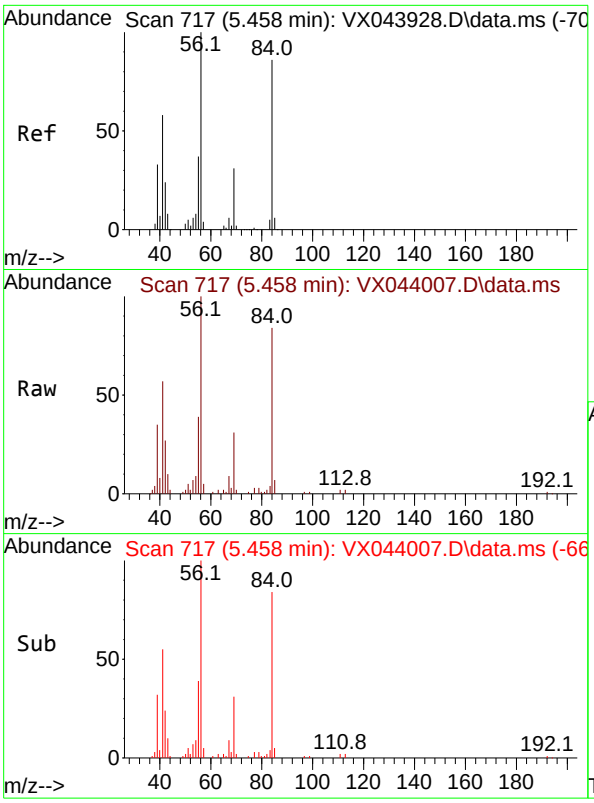


#30
Chloroform
Concen: 20.383 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 83 Resp: 64403

Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.5	80.3



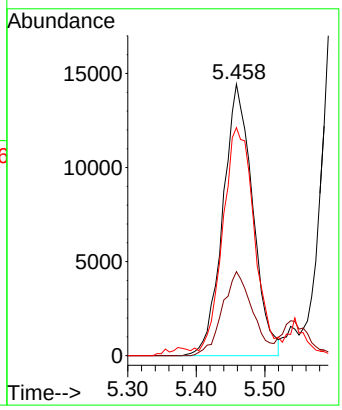


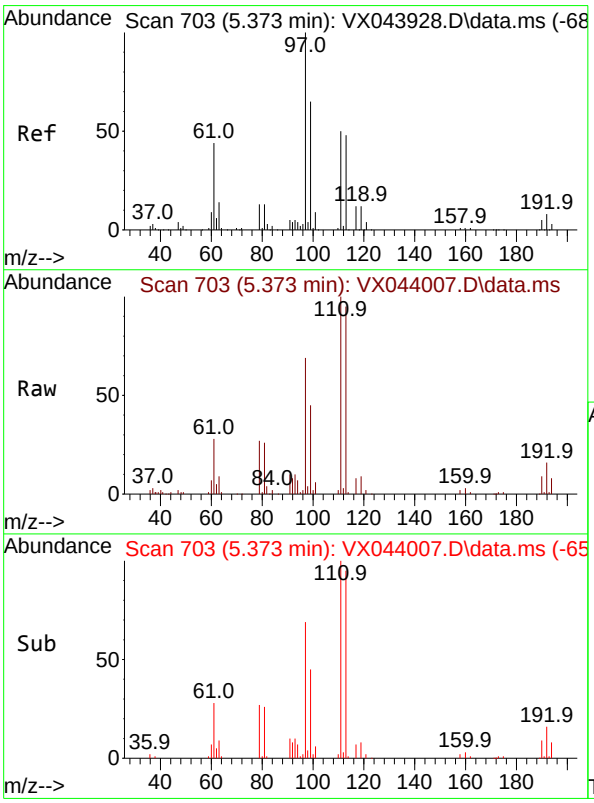
#31
Cyclohexane
Concen: 18.001 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 56 Resp: 43524

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.7	37.1
84	81.0	68.7	103.1

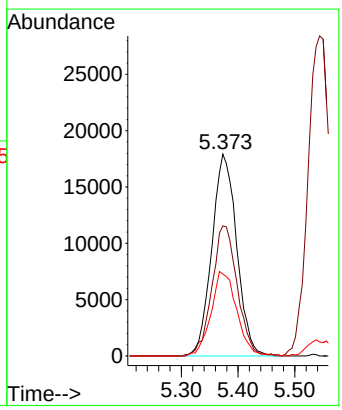


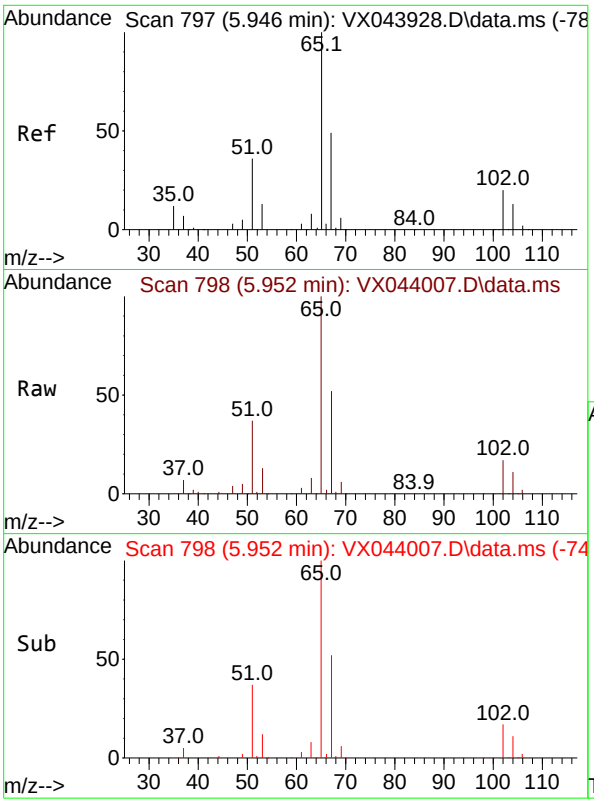


#32
1,1,1-Trichloroethane
Concen: 20.055 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 97 Resp: 54646

Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.8	76.2
61	43.2	35.4	53.2



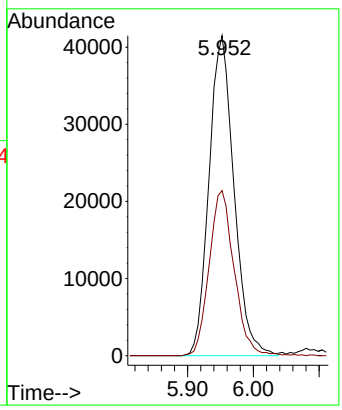


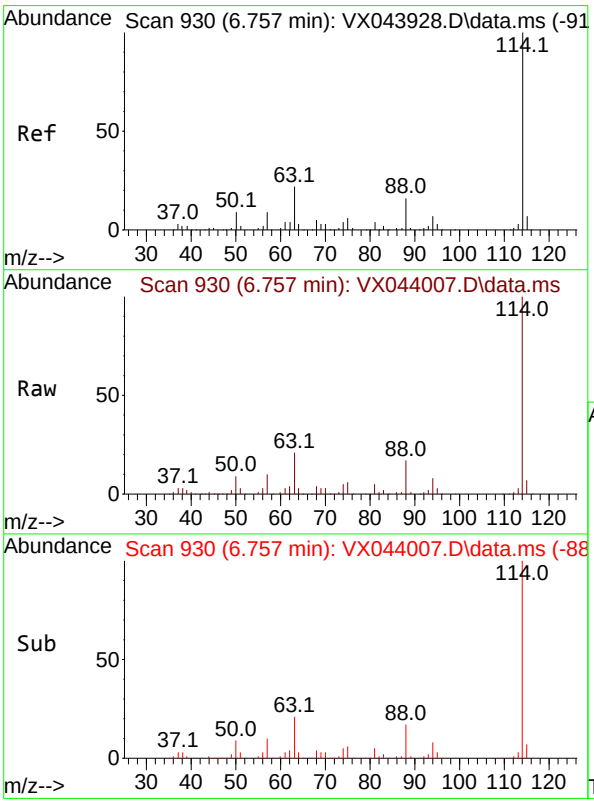
#33
1,2-Dichloroethane-d4
Concen: 50.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 65 Resp: 109611

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.8

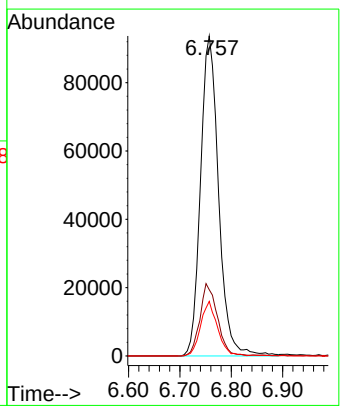


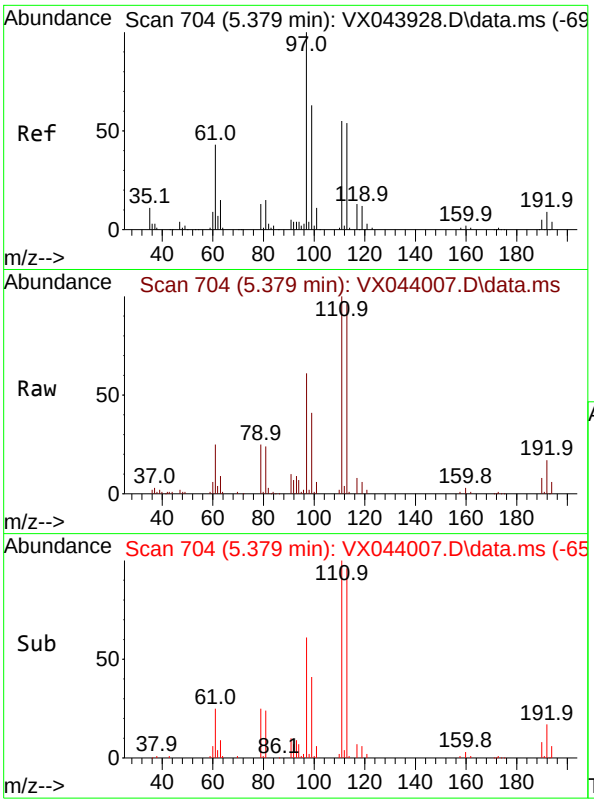


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:114 Resp: 228899

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	17.1	0.0	32.4



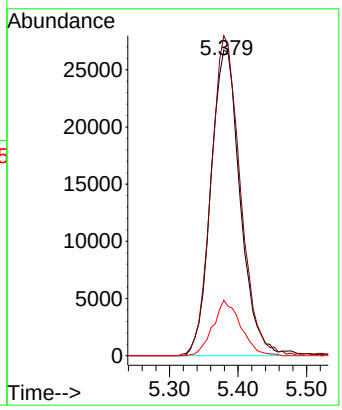


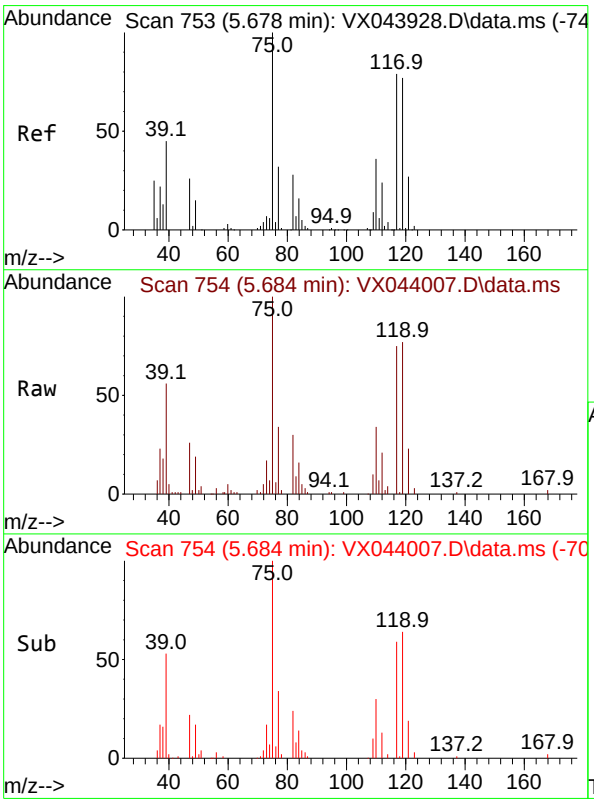
#35
Dibromofluoromethane
Concen: 48.405 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:113 Resp: 79171

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.0	121.4
192	17.3	13.0	19.6

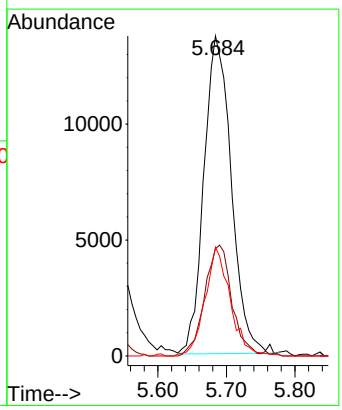


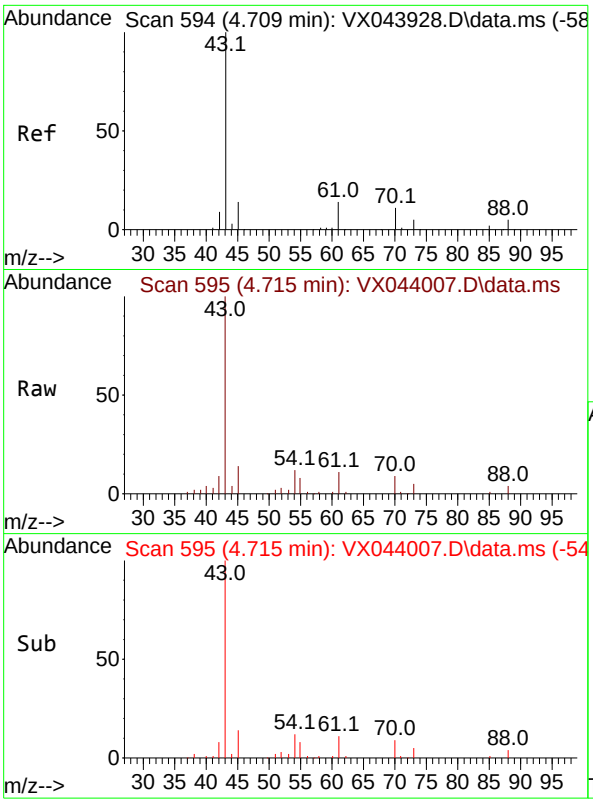


#36
1,1-Dichloropropene
Concen: 18.700 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 38113

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.4	52.2
77	31.5	25.8	38.8



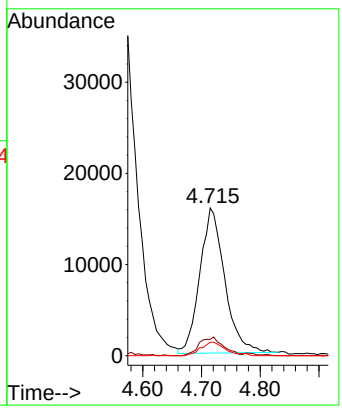


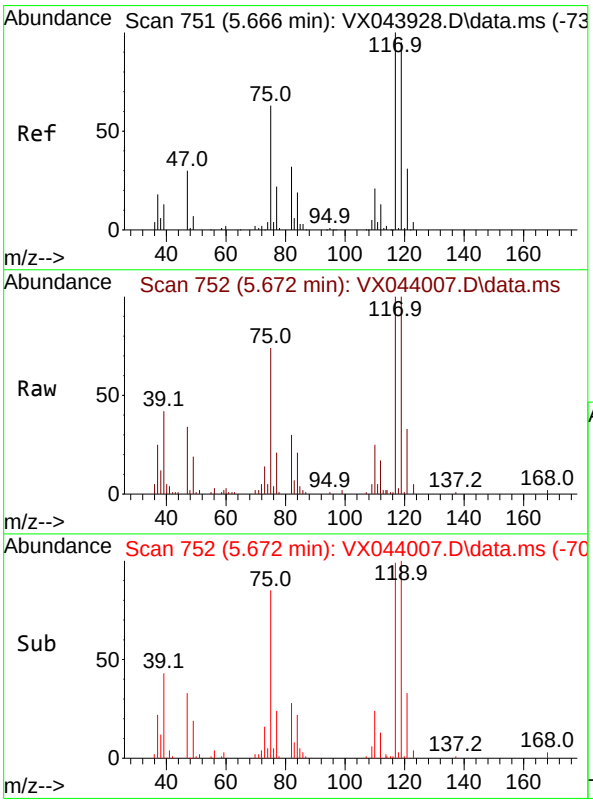
#37
Ethyl Acetate
Concen: 18.532 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 43 Resp: 46886

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	9.2	8.0	12.0

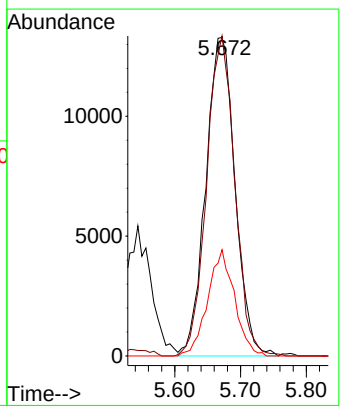


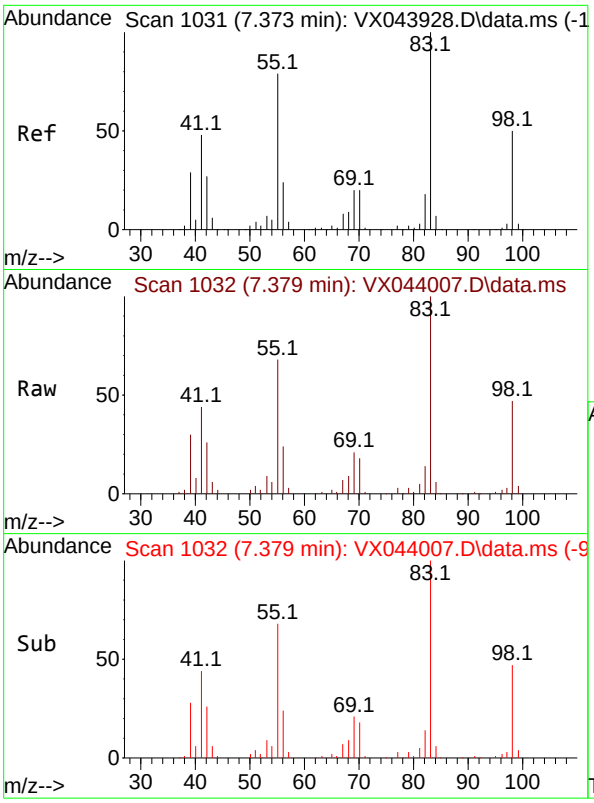


#38
Carbon Tetrachloride
Concen: 18.046 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:117 Resp: 41327

Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.2	112.8
121	33.3	24.5	36.7



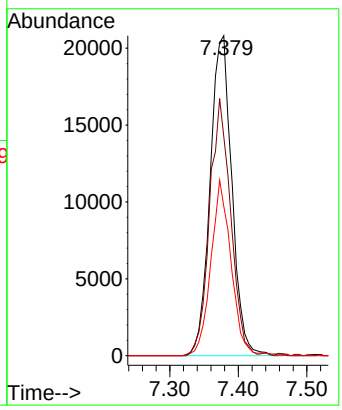


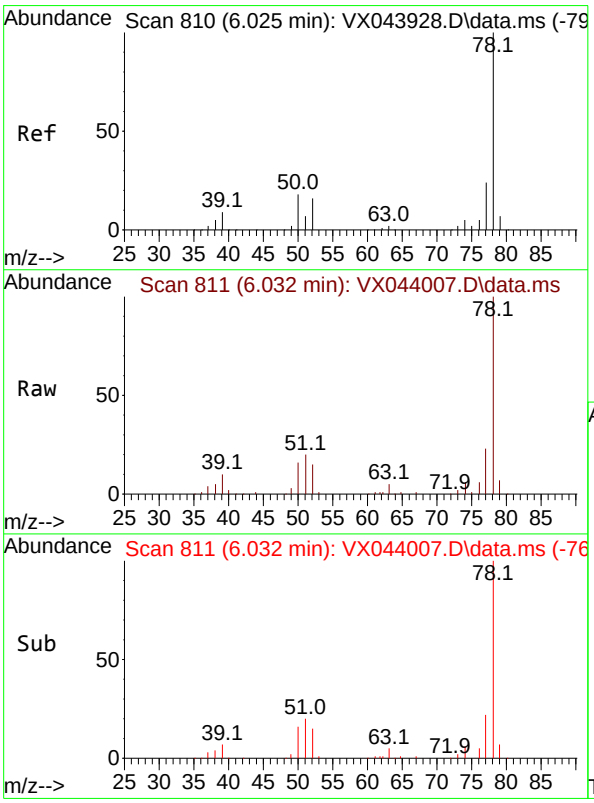
#39
Methylcyclohexane
Concen: 17.334 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 83 Resp: 45898

Ion	Ratio	Lower	Upper
83	100		
55	68.4	63.1	94.7
98	46.6	40.0	60.0

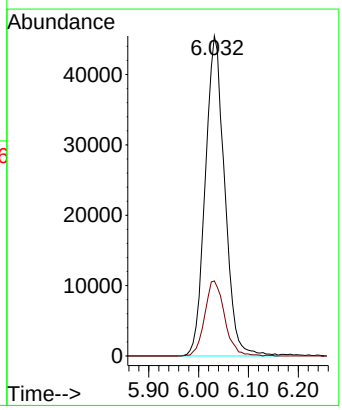


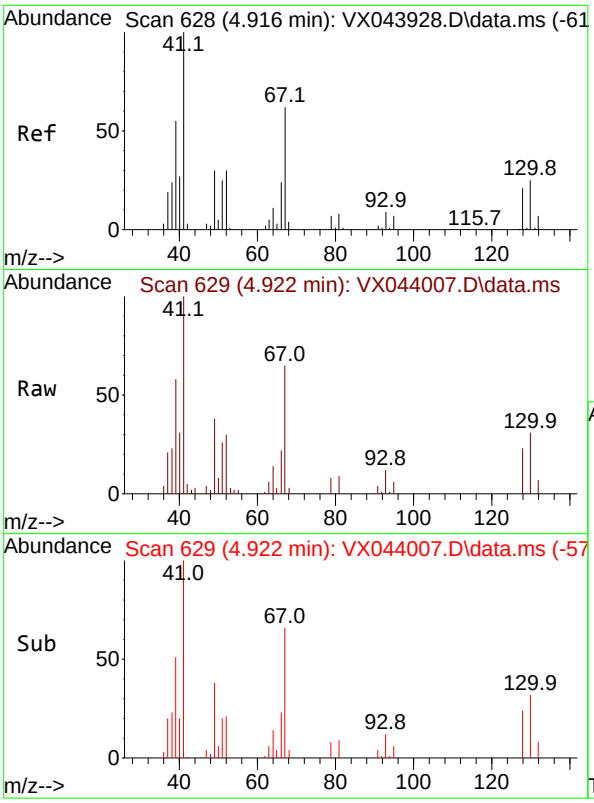


#40
Benzene
Concen: 19.371 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 78 Resp: 122979

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8



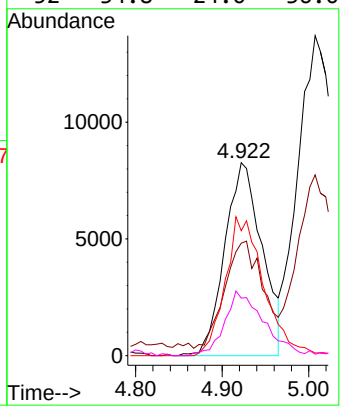


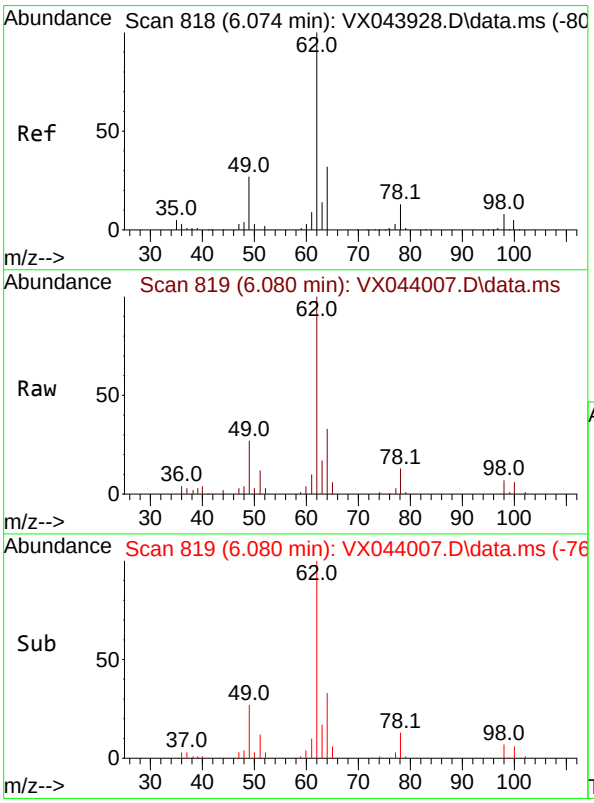
#41
Methacrylonitrile
Concen: 19.116 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 41 Resp: 24753

Ion	Ratio	Lower	Upper
41	100		
39	56.7	41.7	62.5
67	74.5	55.8	83.8
52	34.8	24.0	36.0

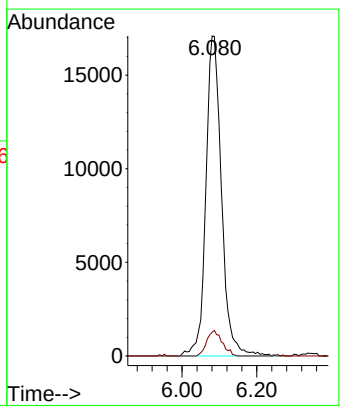


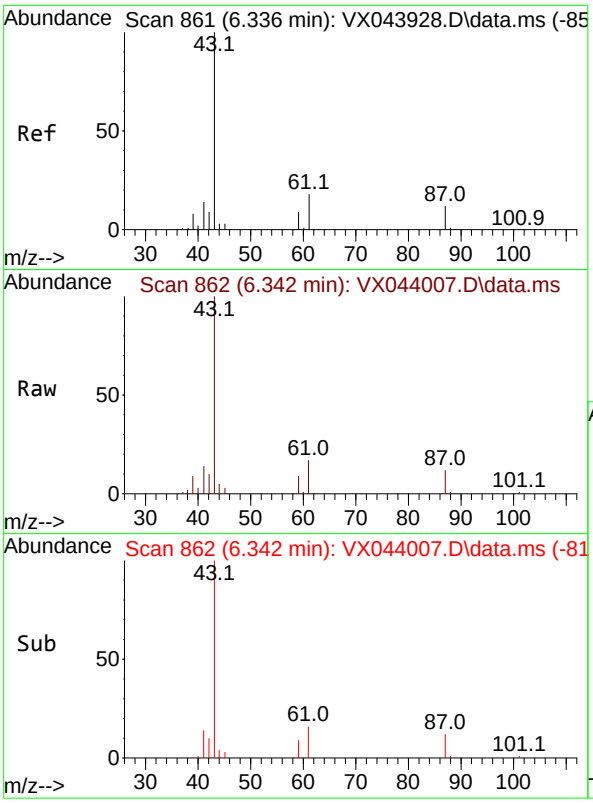


#42
1,2-Dichloroethane
Concen: 19.425 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 62 Resp: 49529

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.4



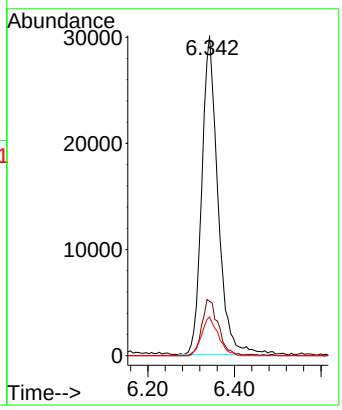


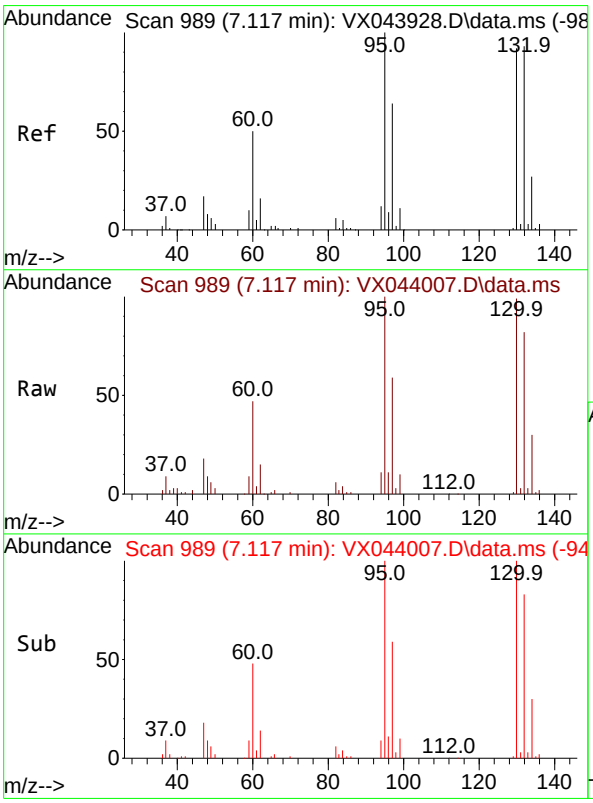
#43
Isopropyl Acetate
Concen: 19.307 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 43 Resp: 77739

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	12.4	10.2	15.2

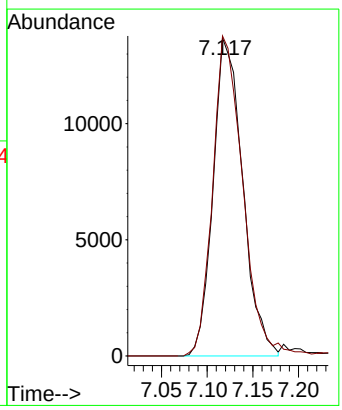


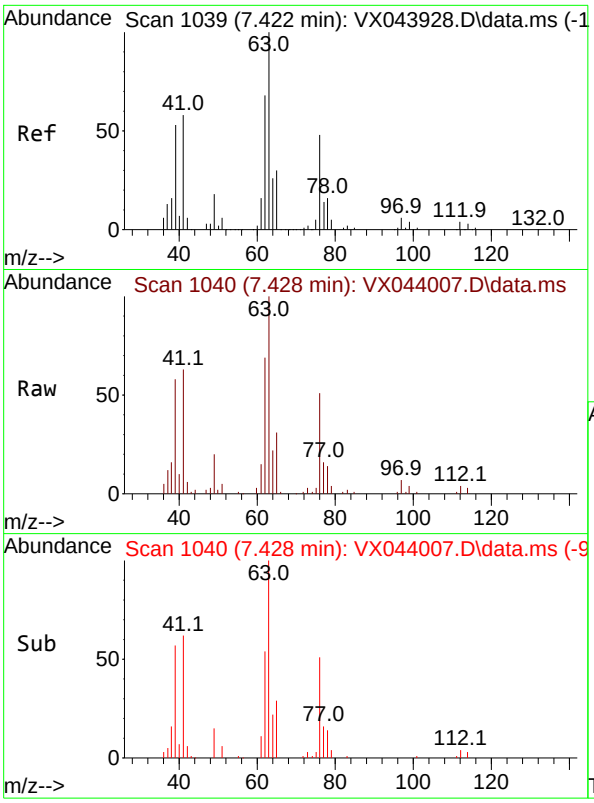


#44
Trichloroethene
Concen: 17.152 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:130 Resp: 30827

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	217.8



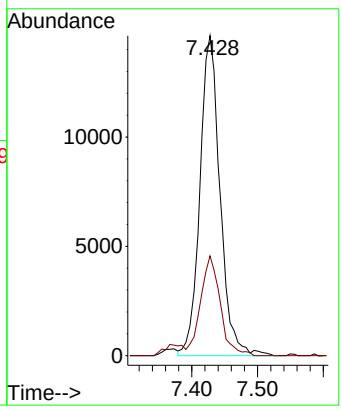


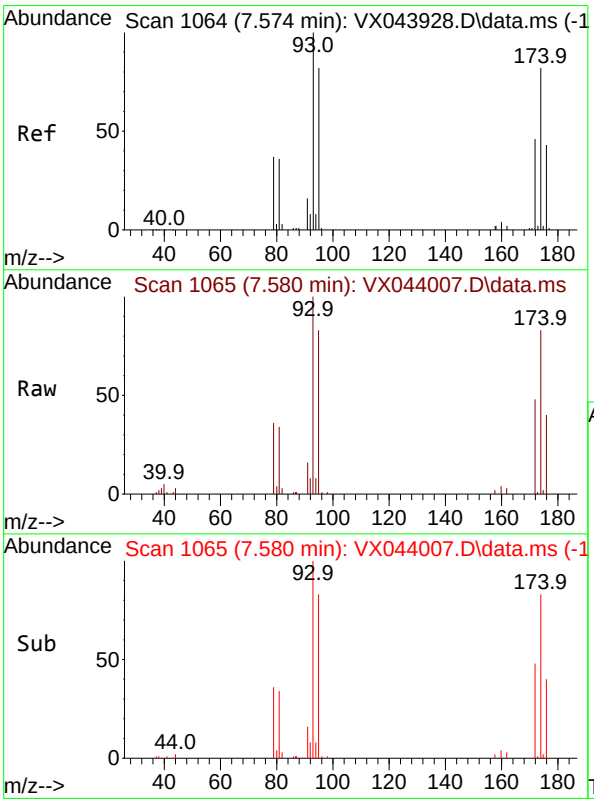
#45
1,2-Dichloropropane
Concen: 20.023 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 63 Resp: 31135

Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.8	35.6

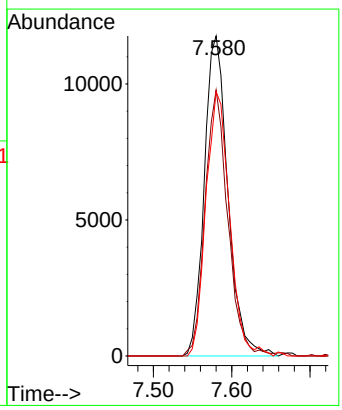


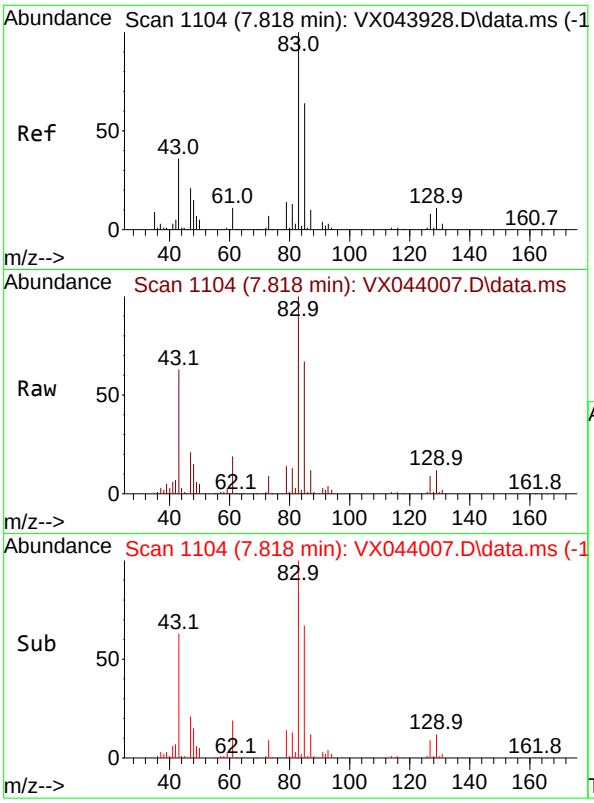


#46
Dibromomethane
Concen: 20.022 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 93 Resp: 24627

Ion	Ratio	Lower	Upper
93	100		
95	80.1	66.2	99.4
174	82.6	69.6	104.4



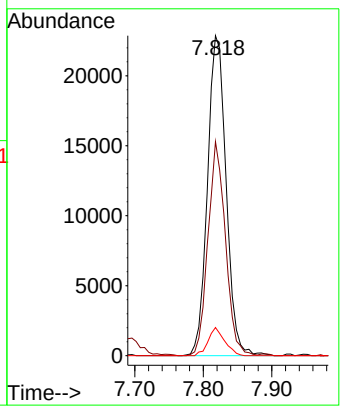


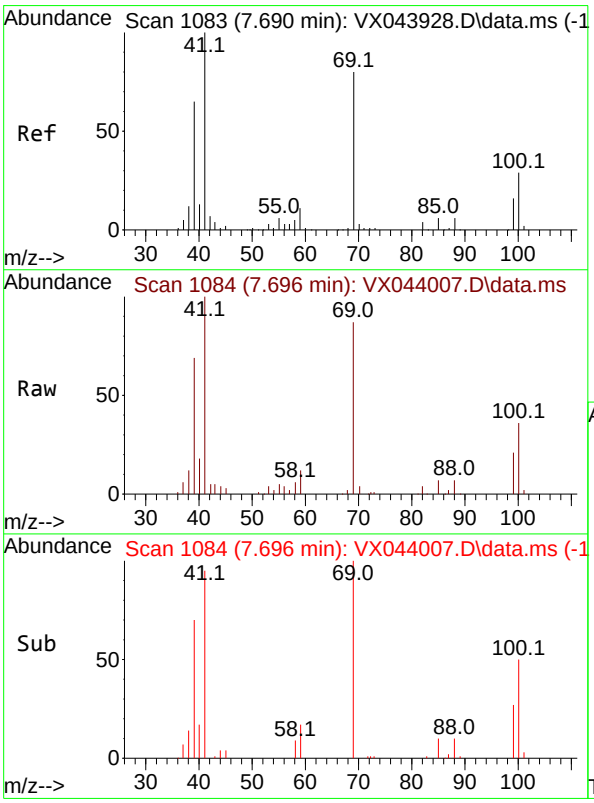
#47
Bromodichloromethane
Concen: 19.598 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 83 Resp: 43234

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.0
127	8.8	6.6	10.0

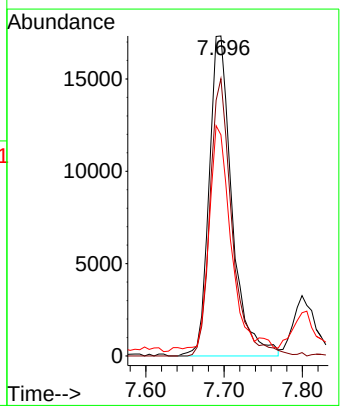


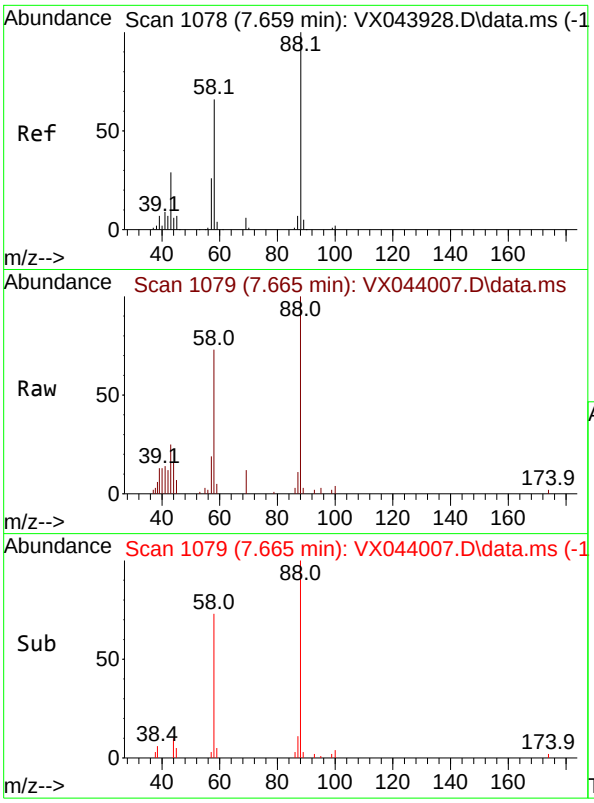


#48
Methyl methacrylate
Concen: 18.221 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 41 Resp: 35204

Ion	Ratio	Lower	Upper
41	100		
69	83.5	64.6	97.0
39	65.8	53.3	79.9



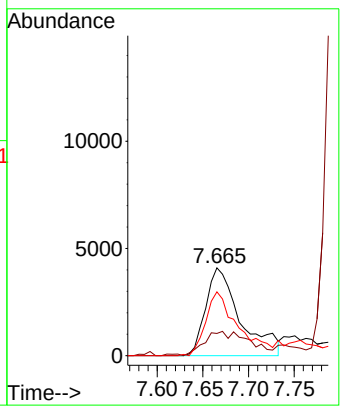


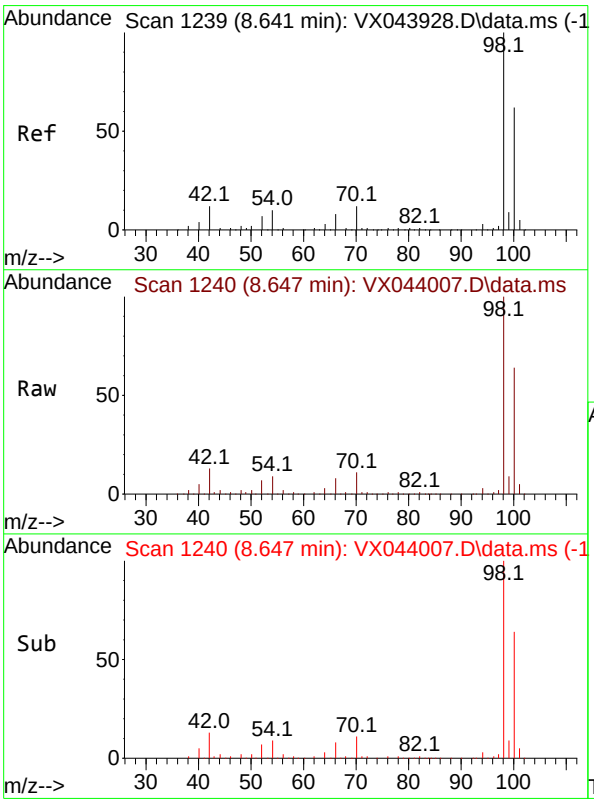
#49
1,4-Dioxane
Concen: 312.828 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 88 Resp: 10766

Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.8	40.2
58	67.7	45.4	68.2

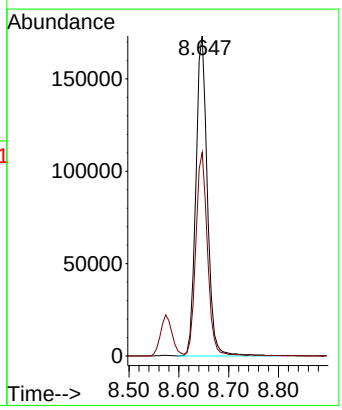


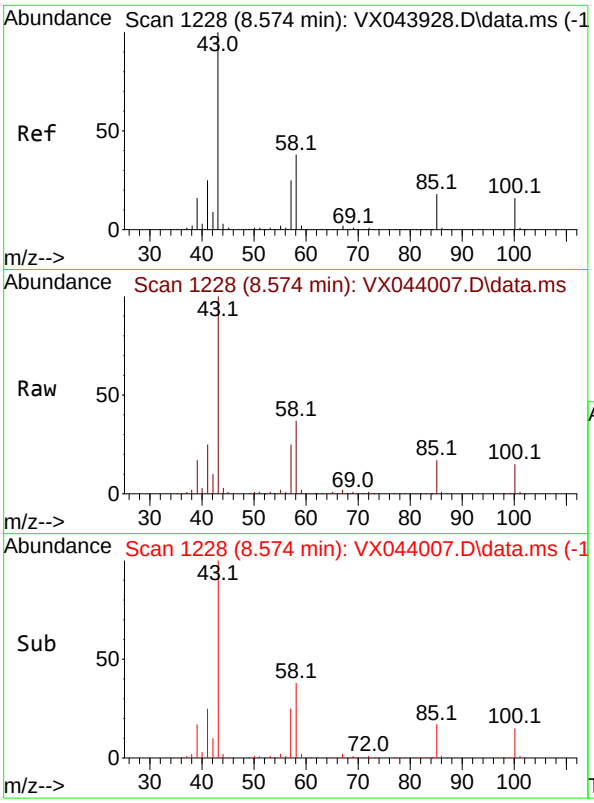


#50
Toluene-d8
Concen: 49.197 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 98 Resp: 277374

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.6	79.0



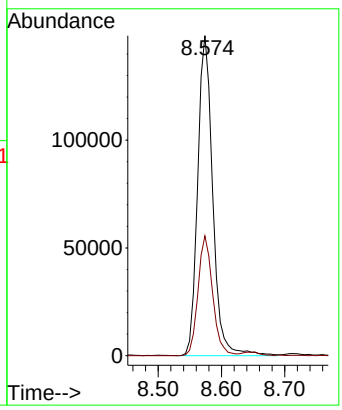


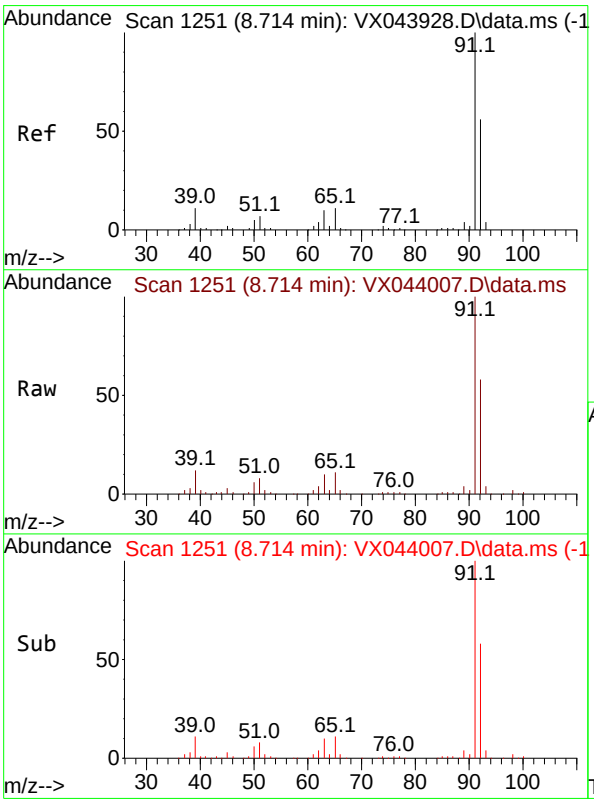
#51
4-Methyl-2-Pentanone
Concen: 100.516 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 43 Resp: 246977

Ion	Ratio	Lower	Upper
43	100		
58	36.2	30.0	45.0

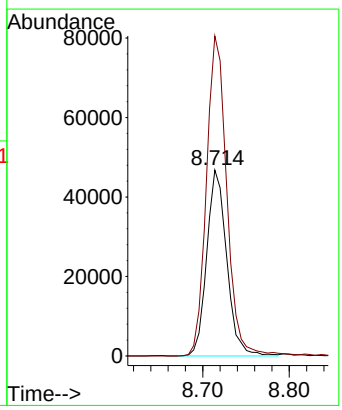


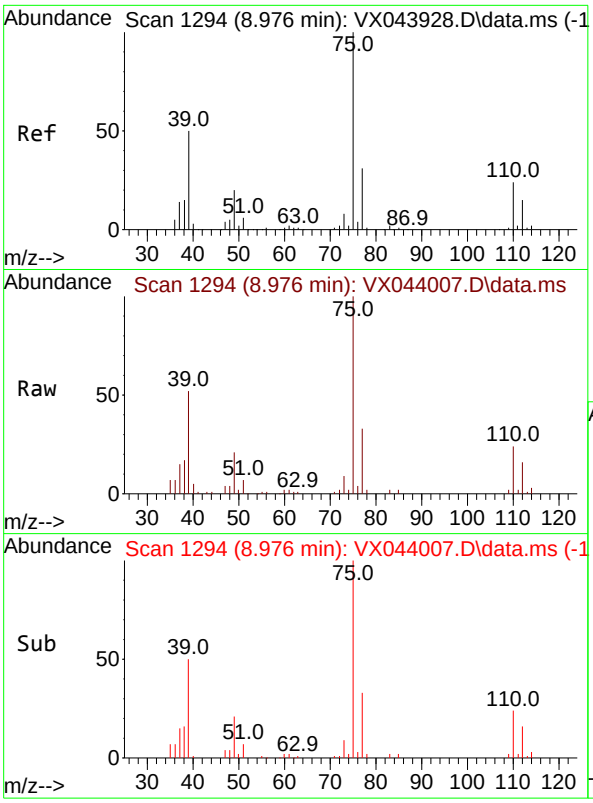


#52
Toluene
Concen: 19.767 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 92 Resp: 75111

Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.7	209.5



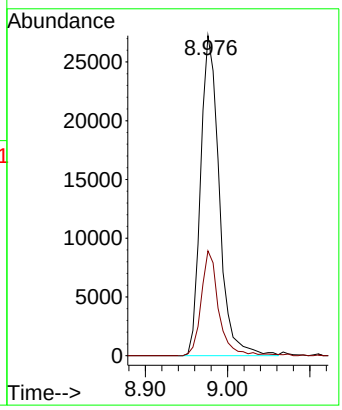


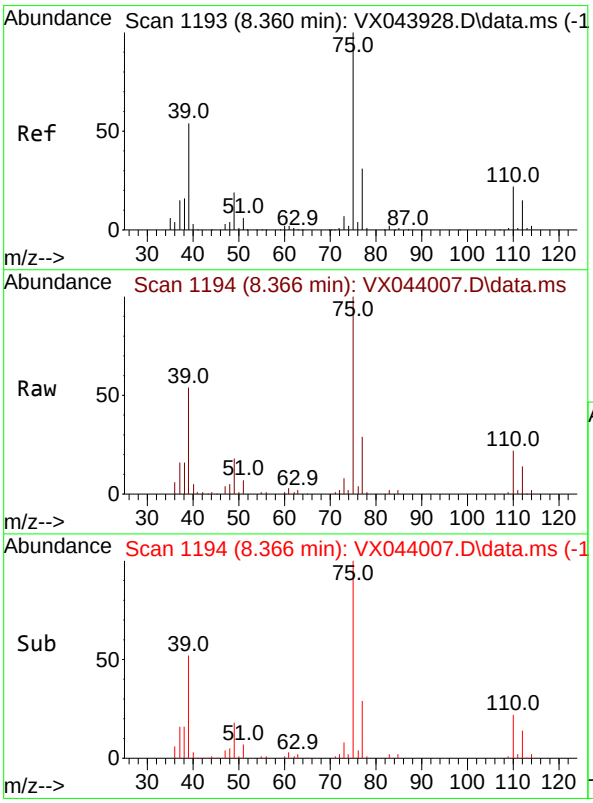
#53
t-1,3-Dichloropropene
Concen: 19.090 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 75 Resp: 42946

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7

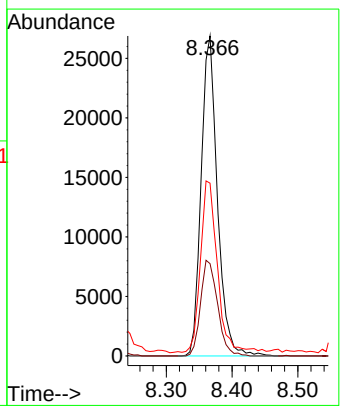


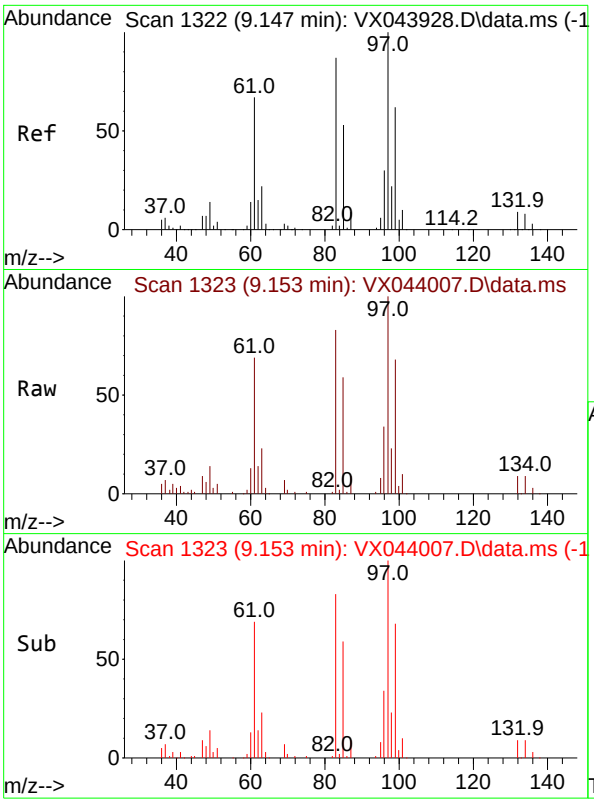


#54
cis-1,3-Dichloropropene
Concen: 18.729 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 46188

Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.2	37.8
39	52.7	43.1	64.7



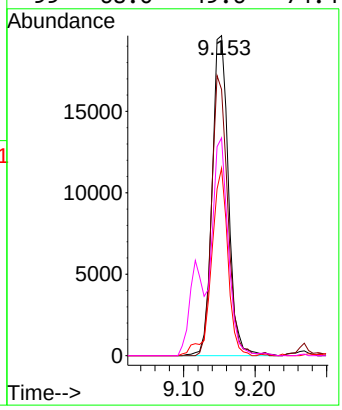


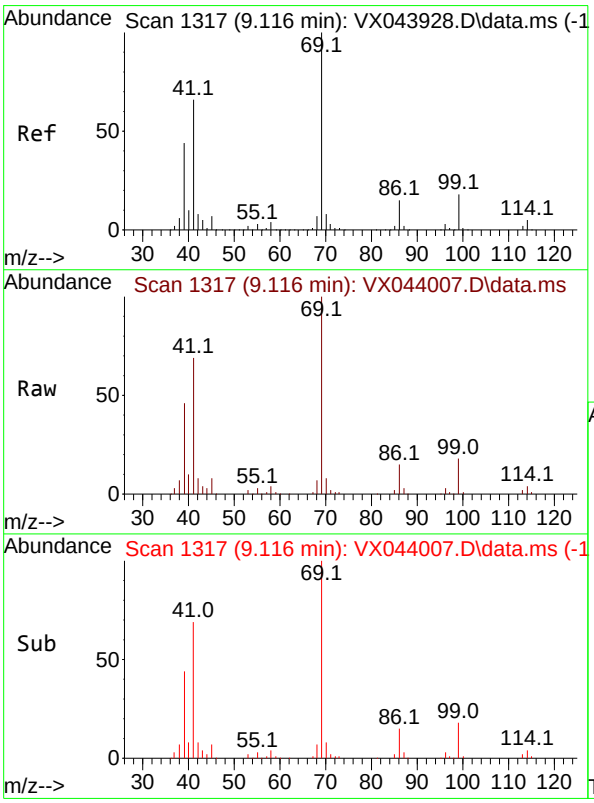
#55
1,1,2-Trichloroethane
Concen: 19.793 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 97 Resp: 31047

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	58.6	42.3	63.5
99	68.0	49.6	74.4

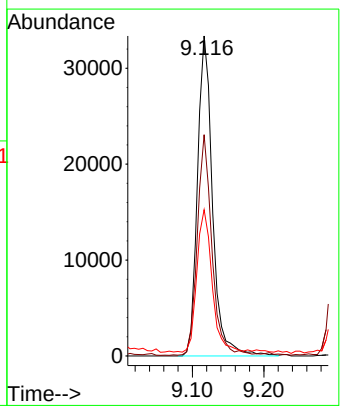


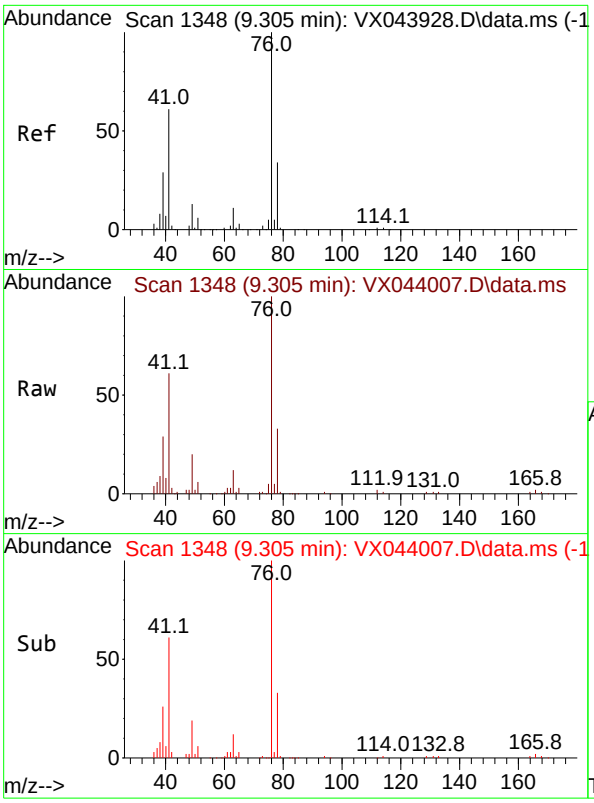


#56
Ethyl methacrylate
Concen: 19.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 69 Resp: 48761

Ion	Ratio	Lower	Upper
69	100		
41	67.1	55.8	83.8
39	44.6	36.7	55.1



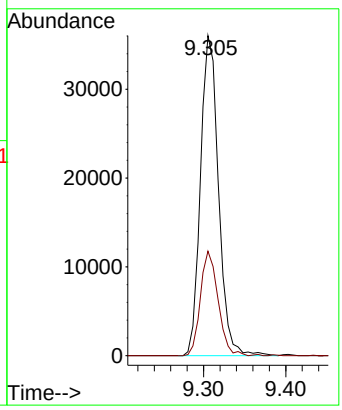


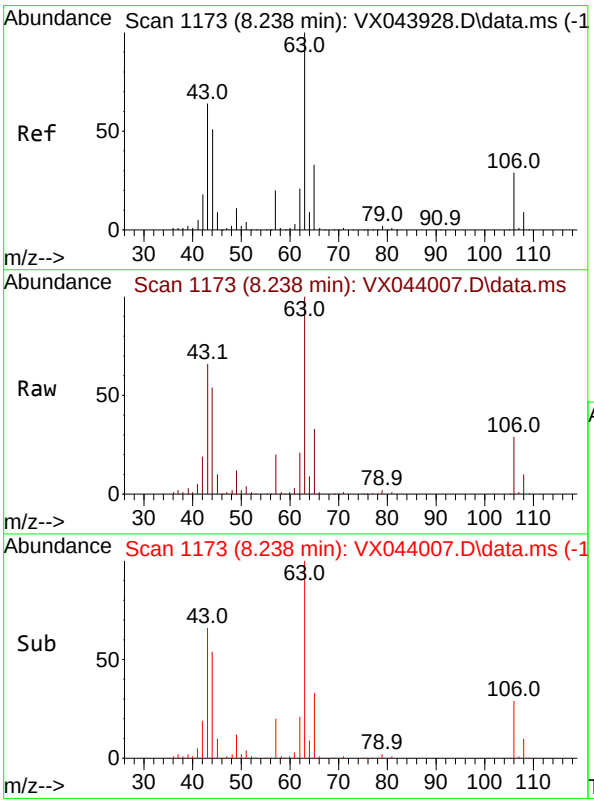
#57
1,3-Dichloropropane
Concen: 20.786 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 76 Resp: 54924

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

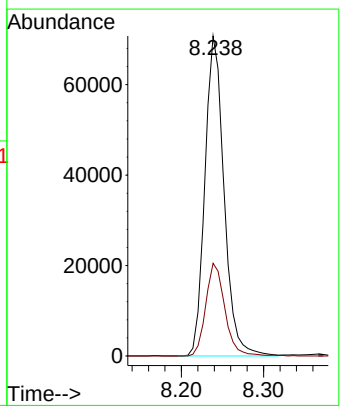


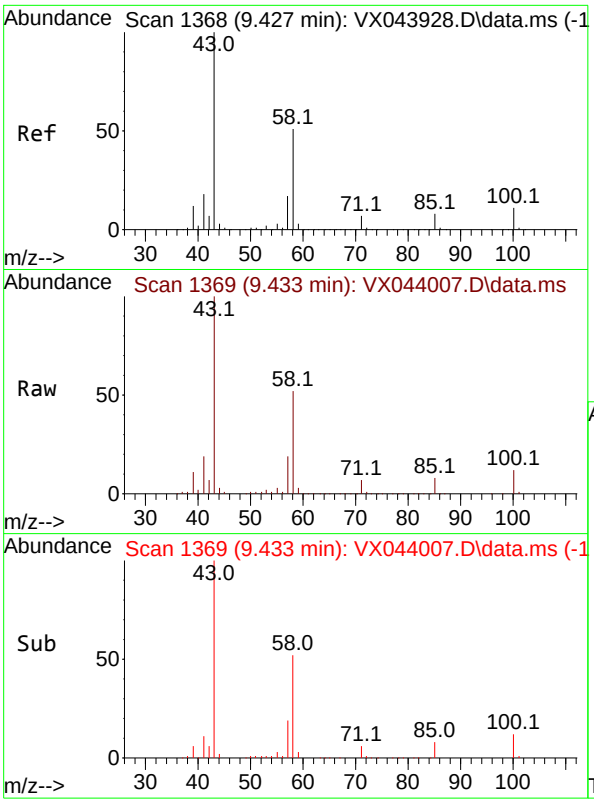


#58
2-Chloroethyl Vinyl ether
Concen: 84.828 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 63 Resp: 114449

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



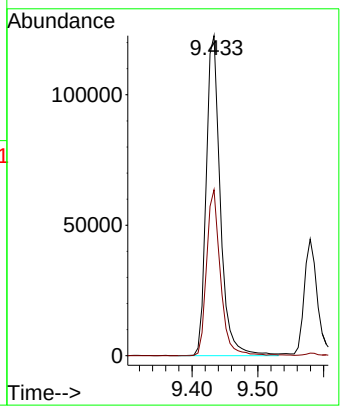


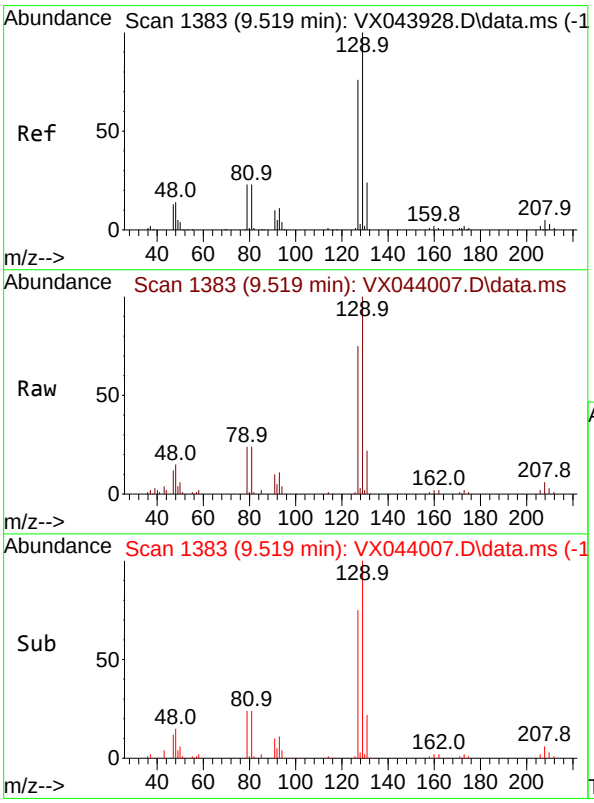
#59
2-Hexanone
Concen: 99.251 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 43 Resp: 183298

Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.6

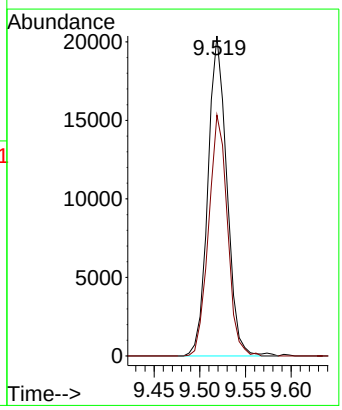


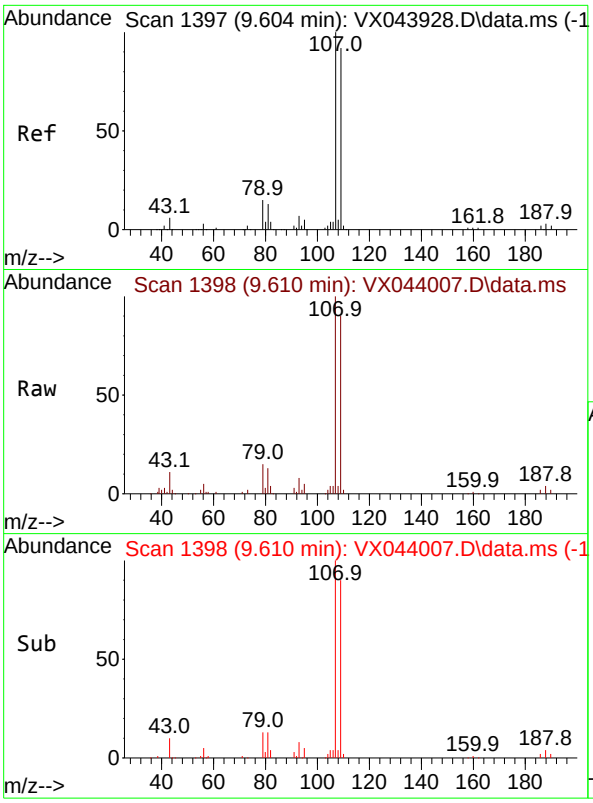


#60
Dibromochloromethane
Concen: 18.608 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:129 Resp: 29286

Ion	Ratio	Lower	Upper
129	100		
127	74.7	38.2	114.6



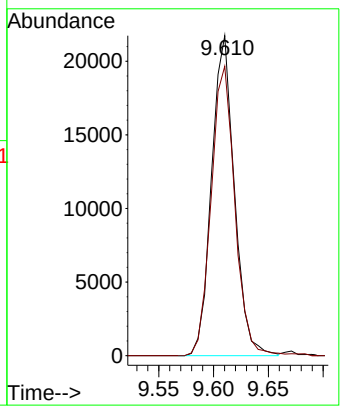


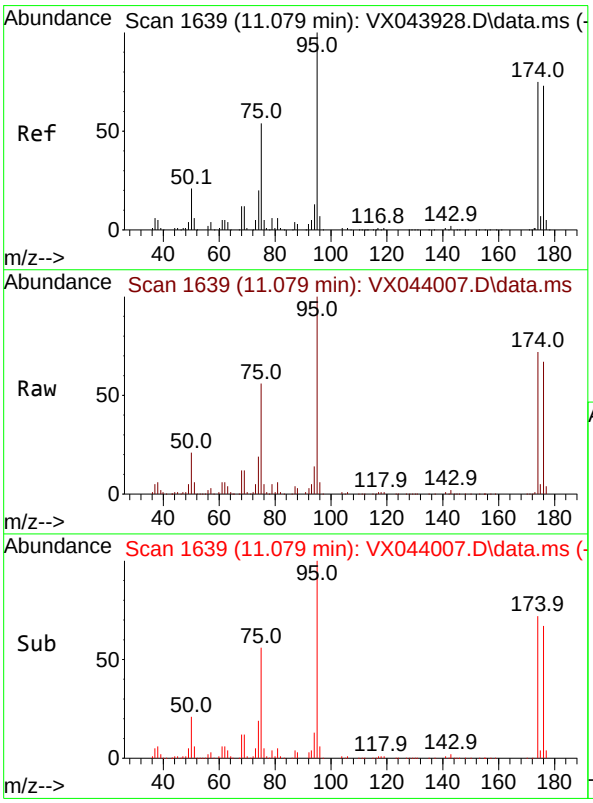
#61
1,2-Dibromoethane
Concen: 19.831 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:107 Resp: 31454

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.2	112.8

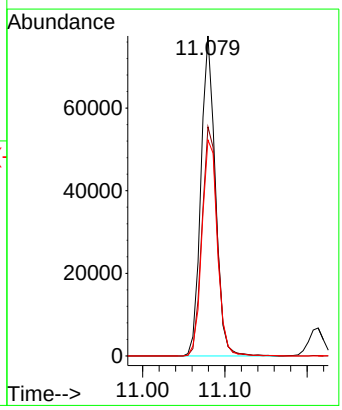


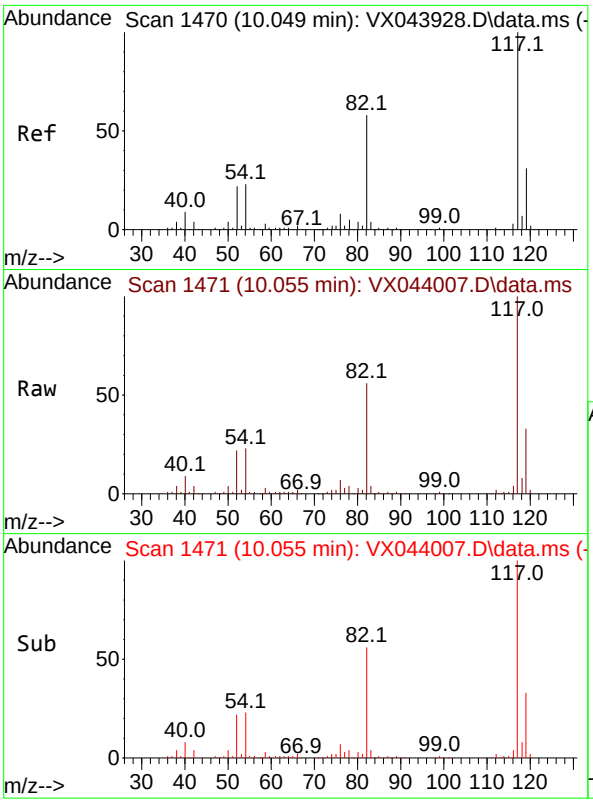


#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 95 Resp: 94239

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	72.4	0.0	146.0



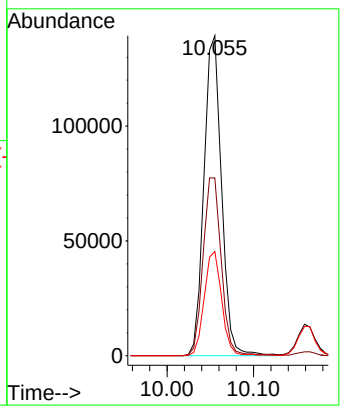


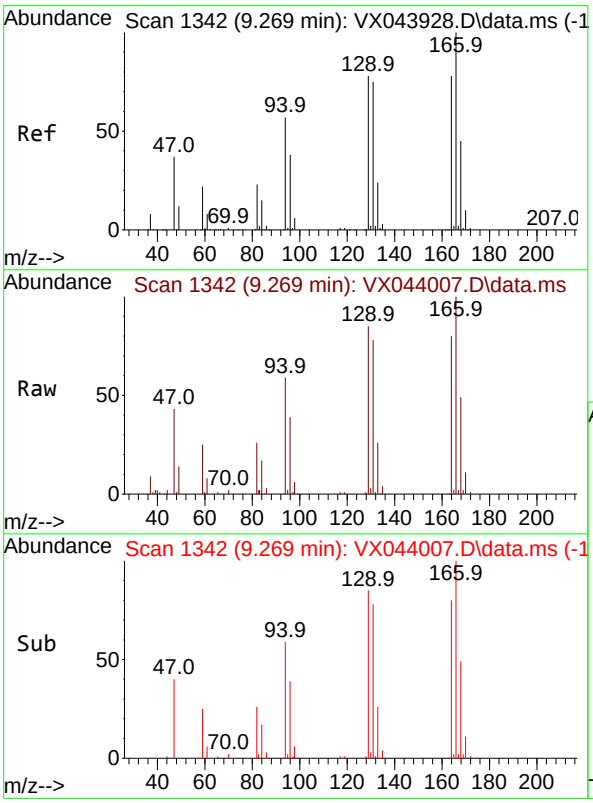
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:117 Resp: 196787

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.4	69.6
119	32.6	24.6	37.0

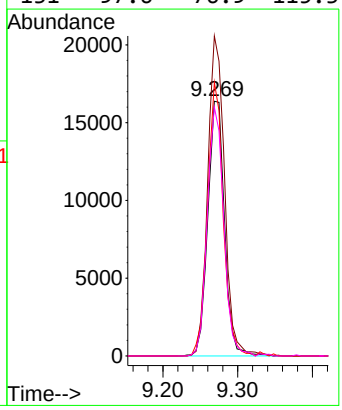


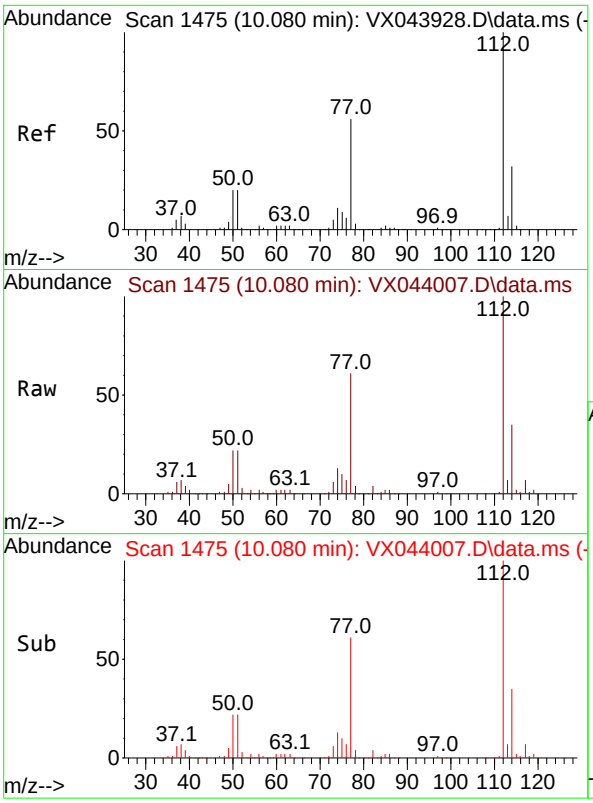


#64
Tetrachloroethene
Concen: 19.609 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:164 Resp: 25444

Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.1	153.1
129	107.4	79.6	119.4
131	97.6	76.9	115.3



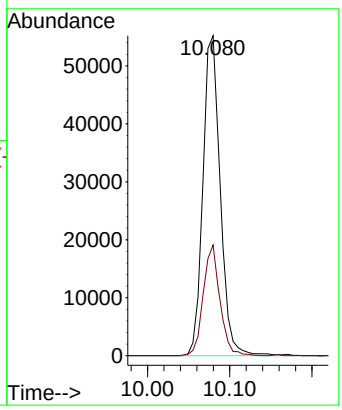


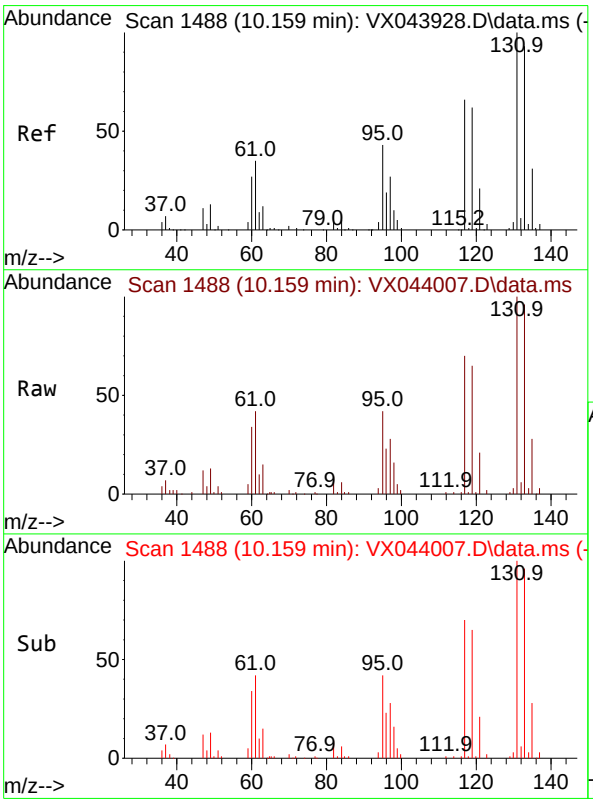
#65
Chlorobenzene
Concen: 18.694 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:112 Resp: 80796

Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.4	38.0

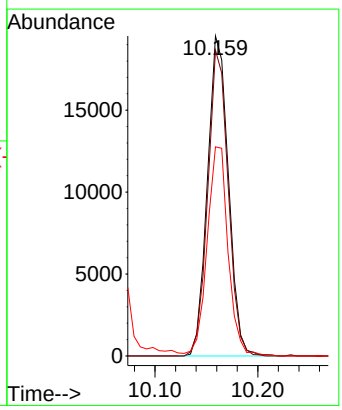


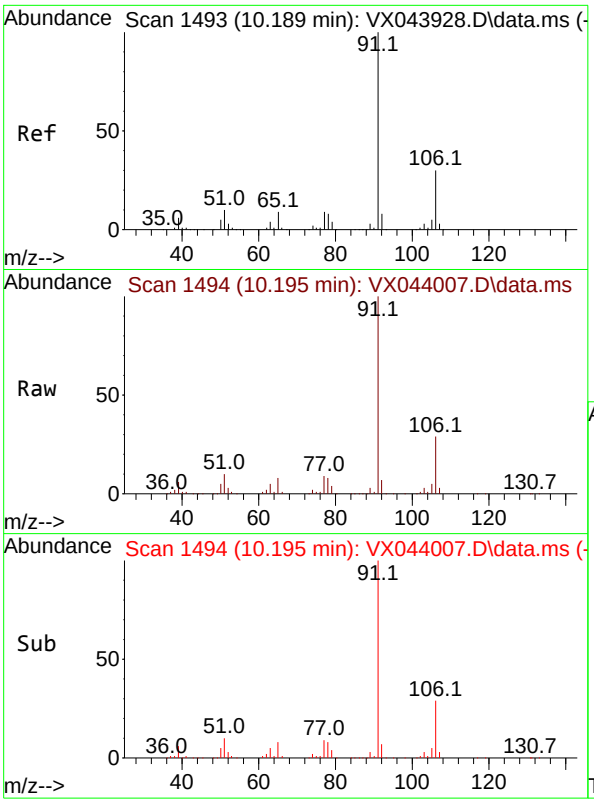


#66
1,1,1,2-Tetrachloroethane
Concen: 19.792 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:131 Resp: 27742

Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.2	144.6
119	65.2	31.5	94.5



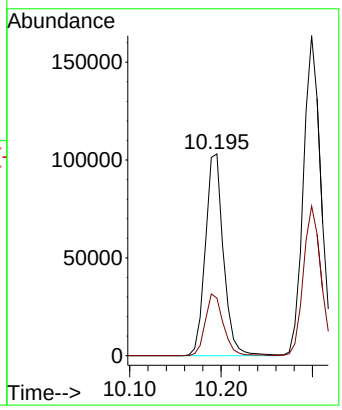


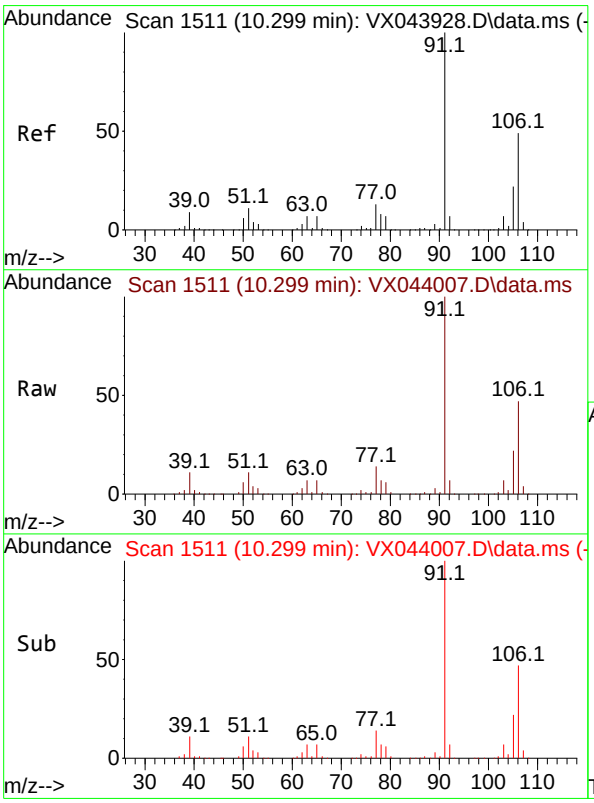
#67
Ethyl Benzene
Concen: 19.329 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 91 Resp: 141555

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.6	35.4

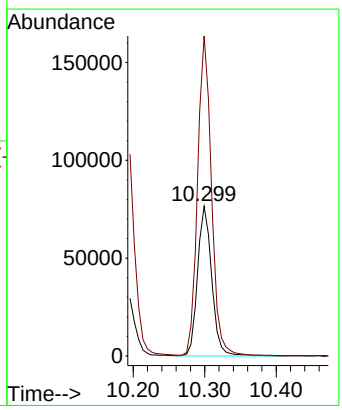


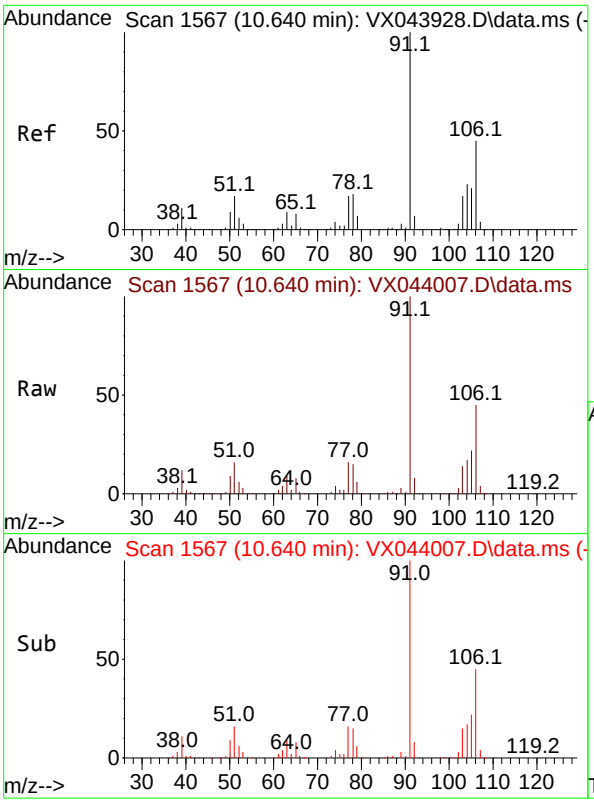


#68
m/p-Xylenes
Concen: 38.544 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:106 Resp: 105269

Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.1	252.1



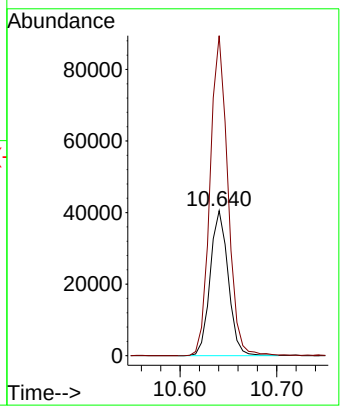


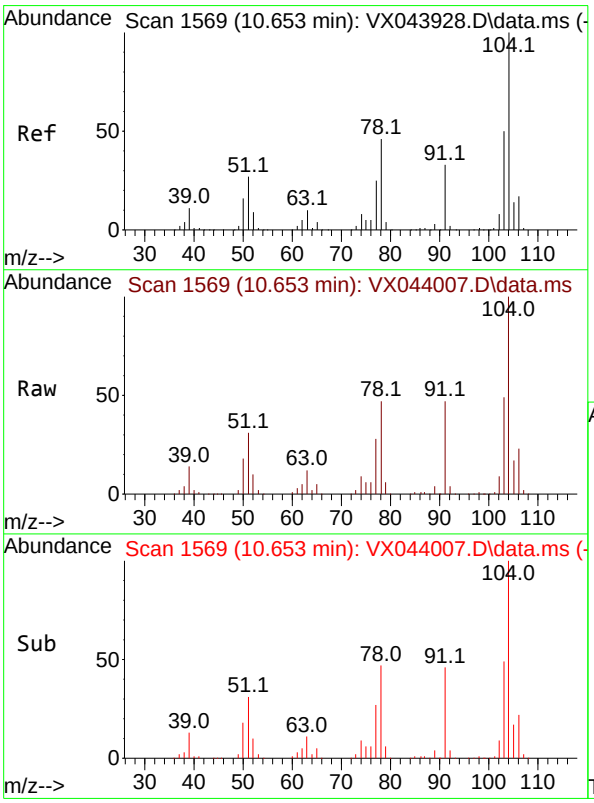
#69
o-Xylene
Concen: 19.737 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:106 Resp: 52630

Ion	Ratio	Lower	Upper
106	100		
91	217.4	110.2	330.6

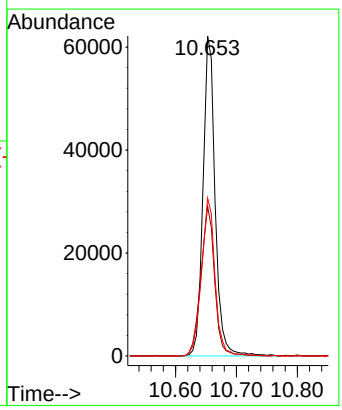


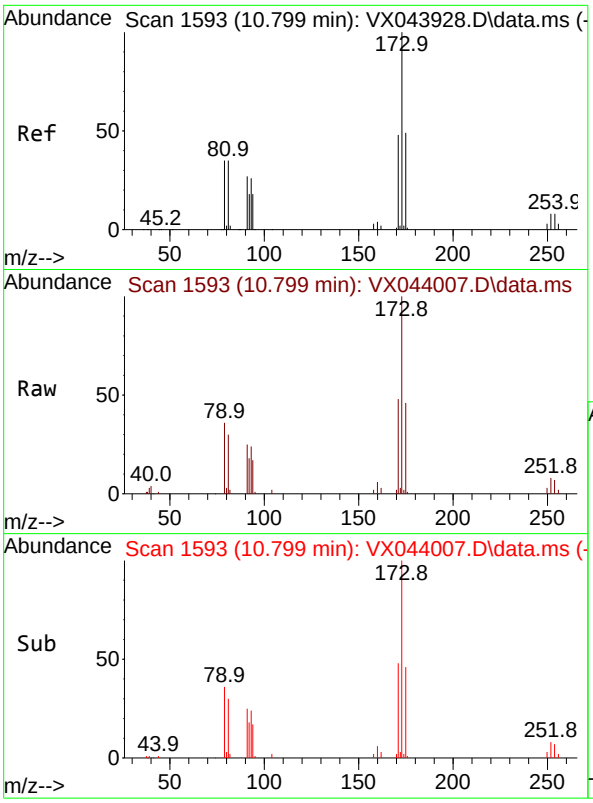


#70
Styrene
Concen: 19.581 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:104 Resp: 86358

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.2
103	55.1	44.7	67.1



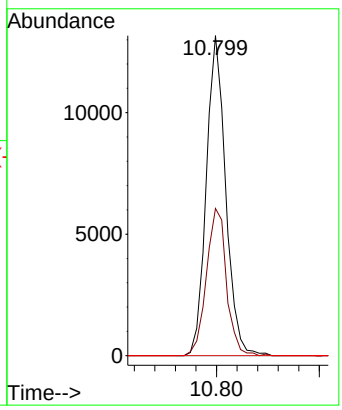


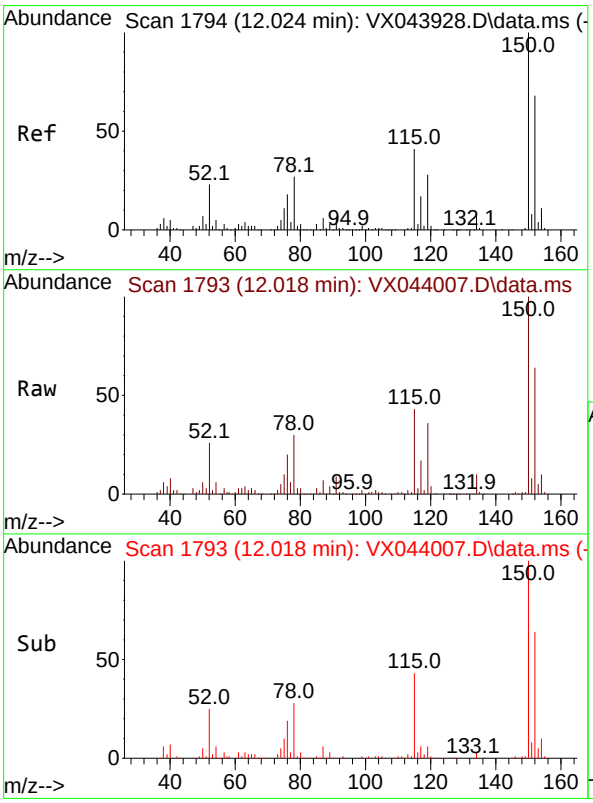
#71
Bromoform
Concen: 17.613 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:173 Resp: 17267

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.2
254	0.0	0.0	0.0

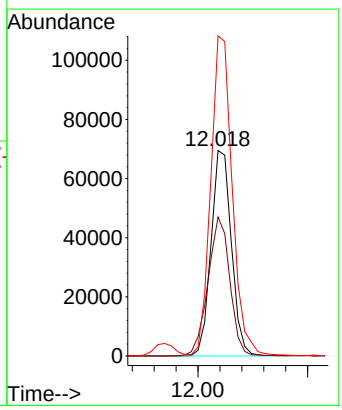


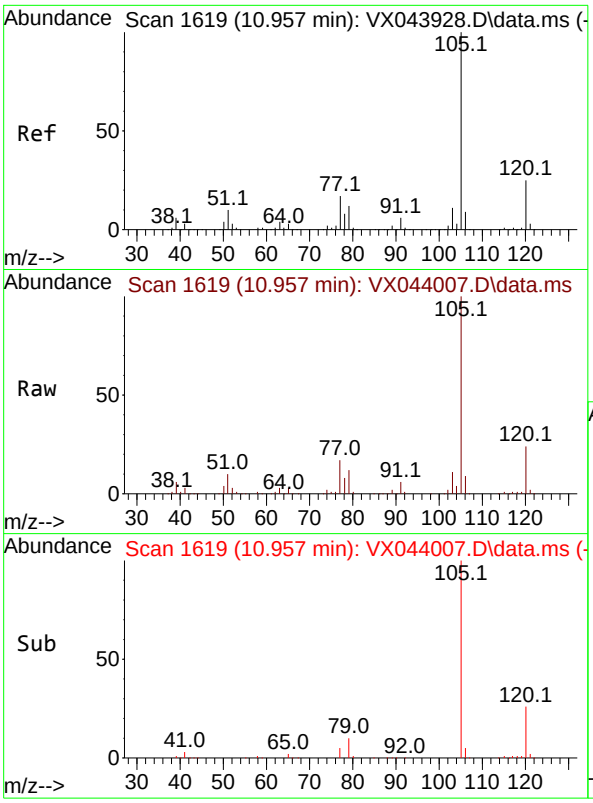


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:152 Resp: 89836

Ion	Ratio	Lower	Upper
152	100		
115	72.3	45.4	136.2
150	164.0	0.0	353.0



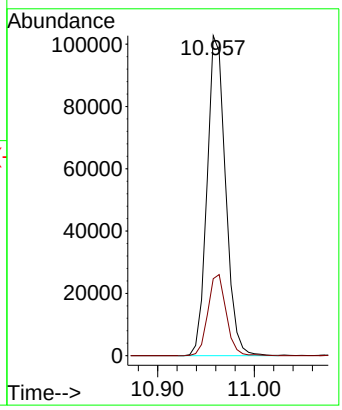


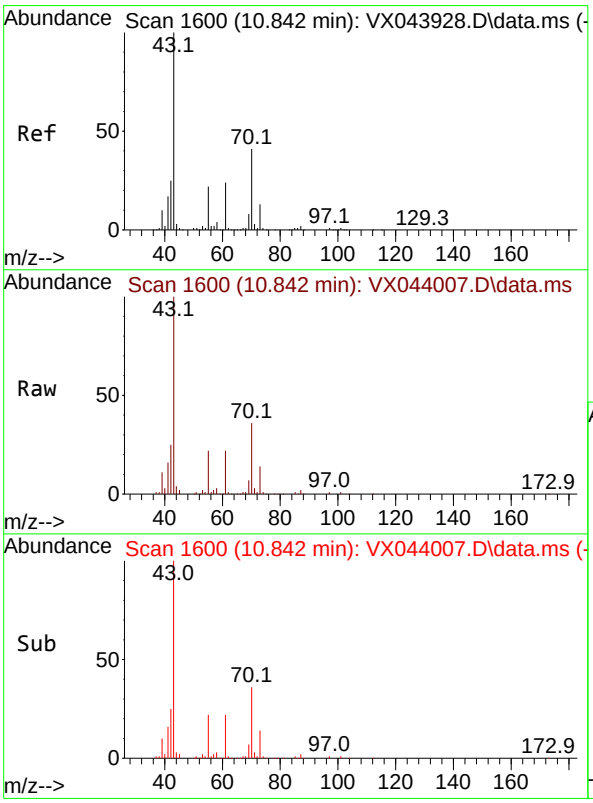
#73
Isopropylbenzene
Concen: 19.732 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:105 Resp: 136262

Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.0	38.9

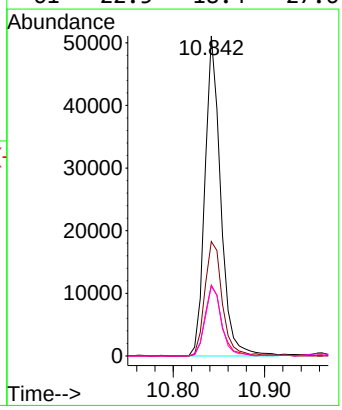


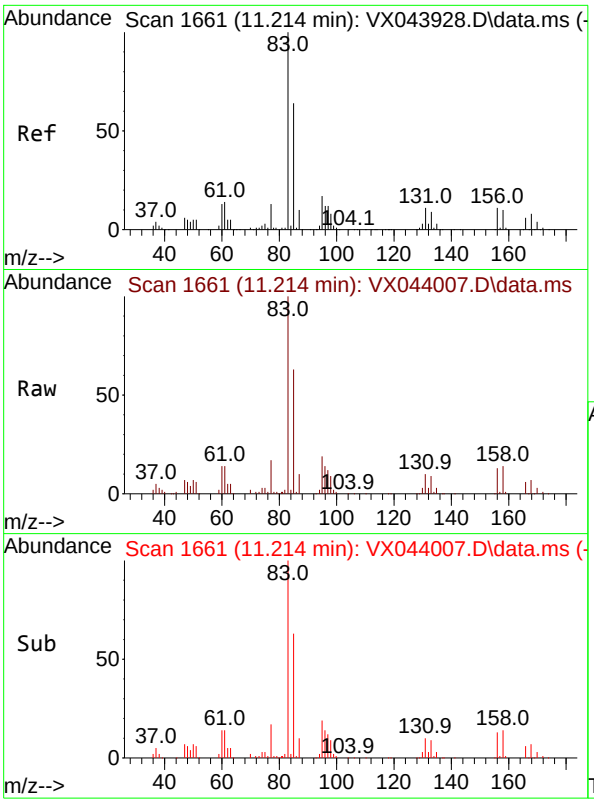


#74
N-amyl acetate
Concen: 19.157 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 61285

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.2	48.2
55	23.2	18.1	27.1
61	22.5	18.4	27.6



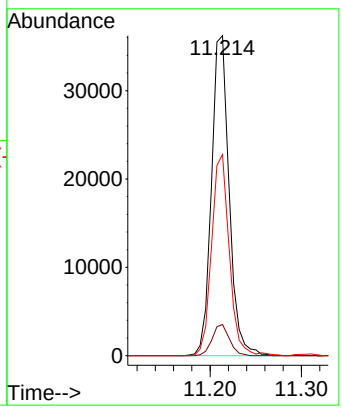


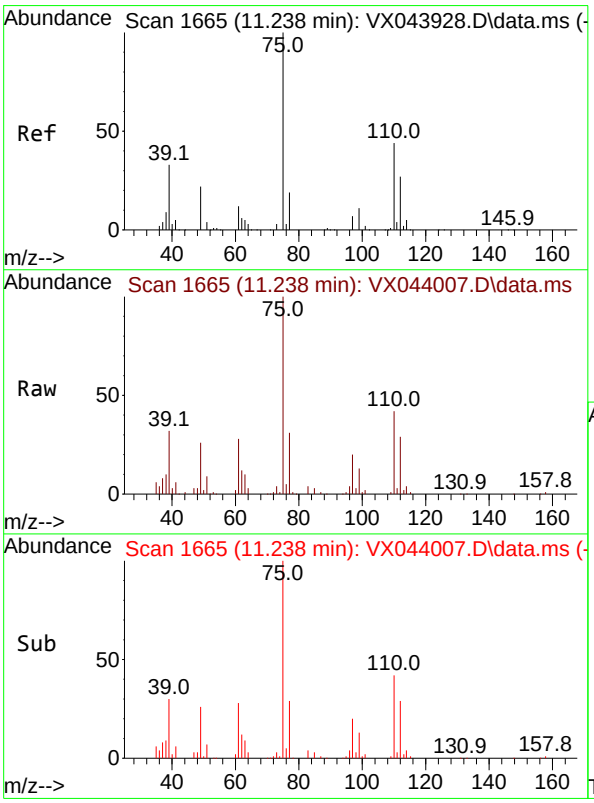
#75
1,1,2,2-Tetrachloroethane
Concen: 20.556 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 83 Resp: 48605

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.2
85	63.0	32.2	96.6

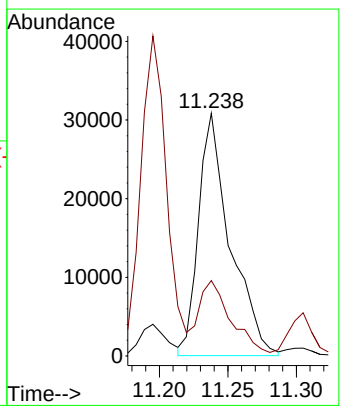


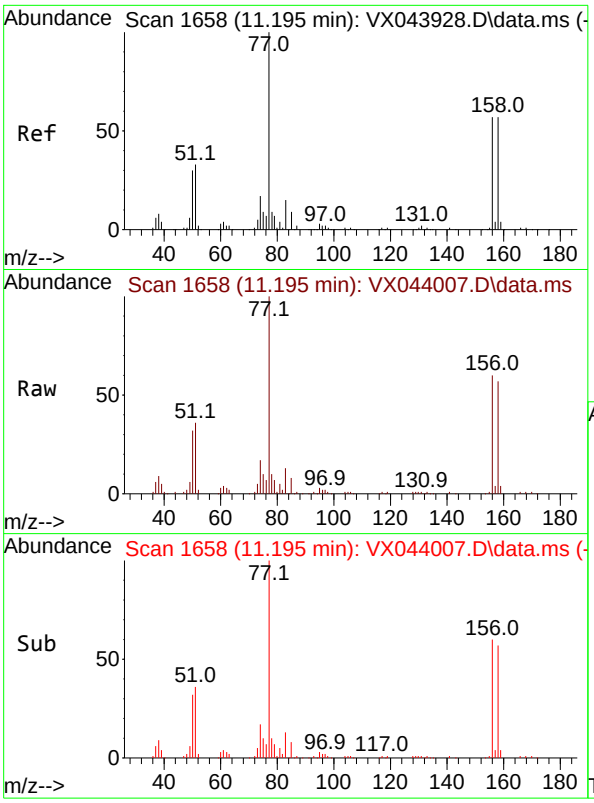


#76
1,2,3-Trichloropropane
Concen: 25.197 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 49640

Ion	Ratio	Lower	Upper
75	100		
77	32.0	21.8	65.3



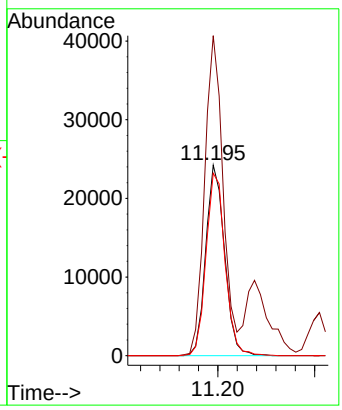


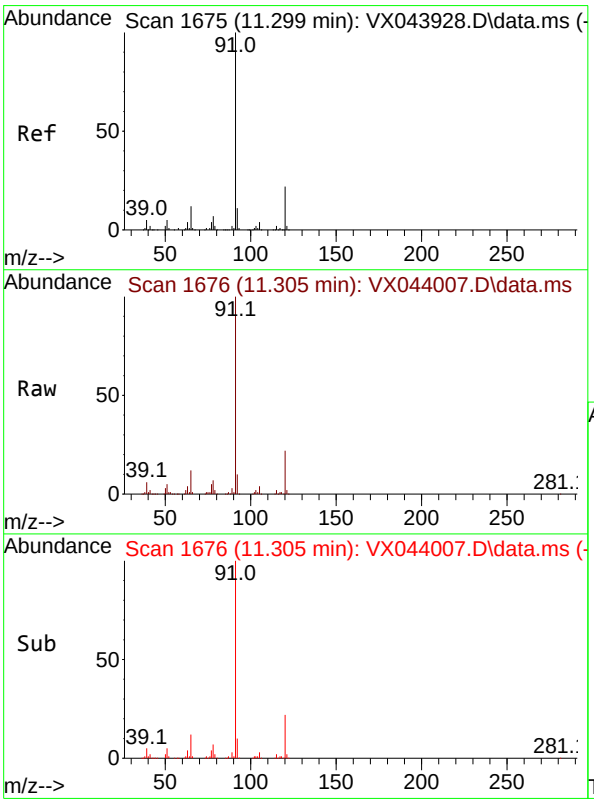
#77
Bromobenzene
Concen: 19.878 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:156 Resp: 32745

Ion	Ratio	Lower	Upper
156	100		
77	163.9	83.4	250.1
158	97.3	47.6	142.8

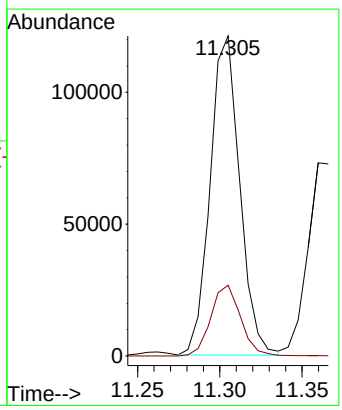


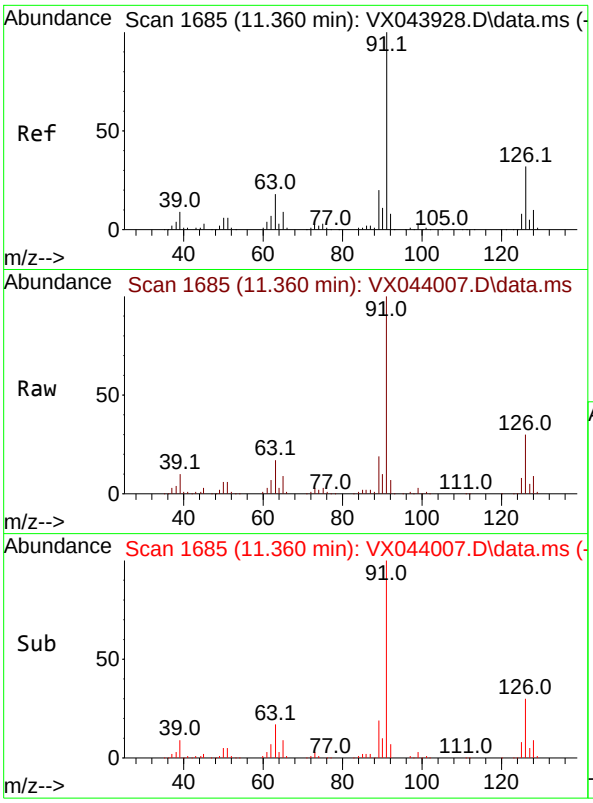


#78
n-propylbenzene
Concen: 19.648 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 151539

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4



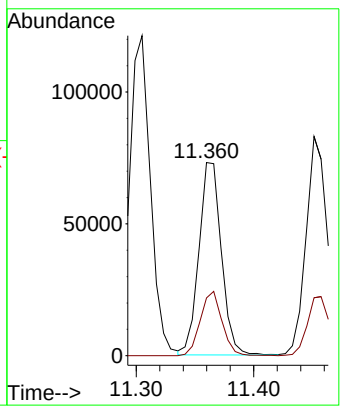


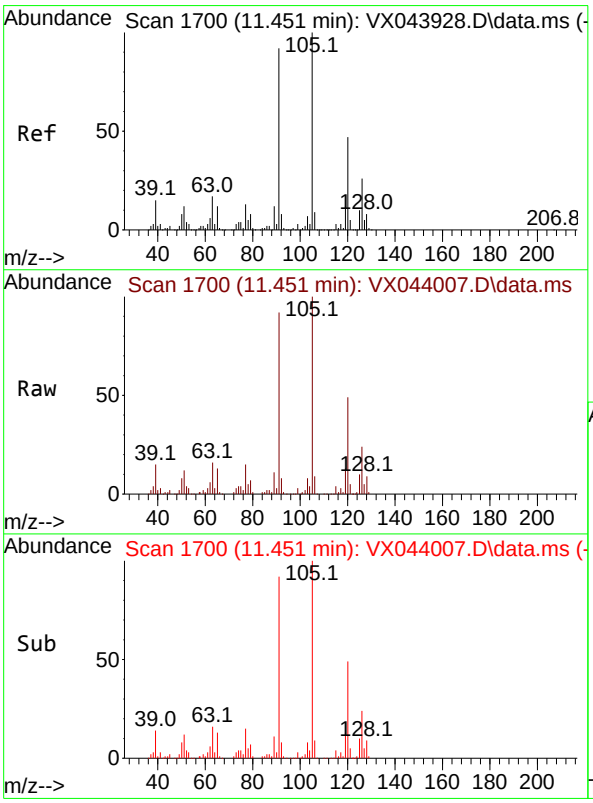
#79
2-Chlorotoluene
Concen: 19.894 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 91 Resp: 97025

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.6	49.8

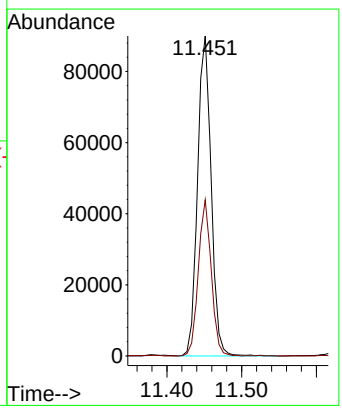


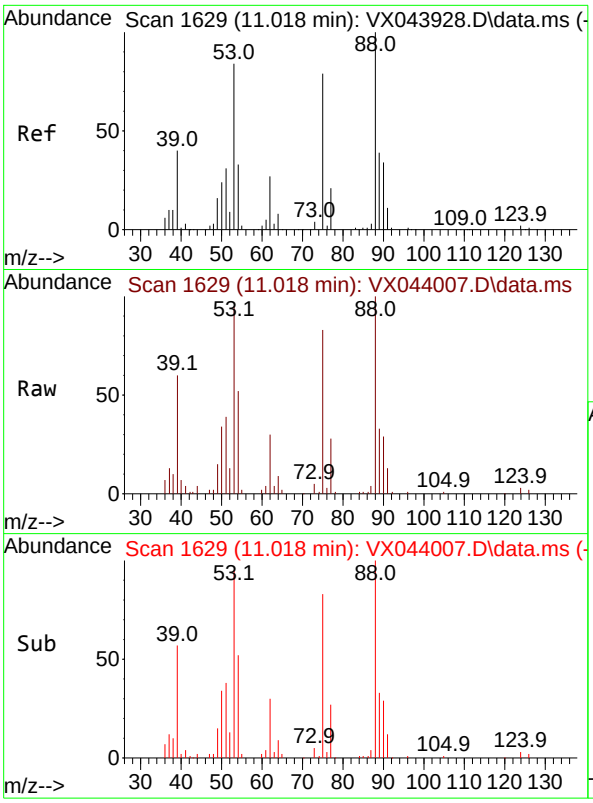


#80
1,3,5-Trimethylbenzene
Concen: 19.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:105 Resp: 113431

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8



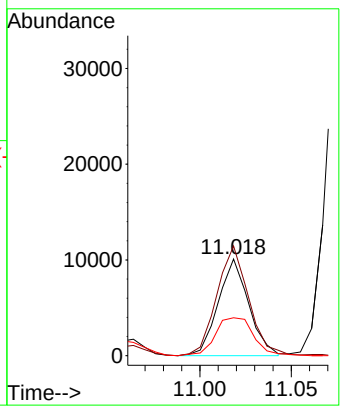


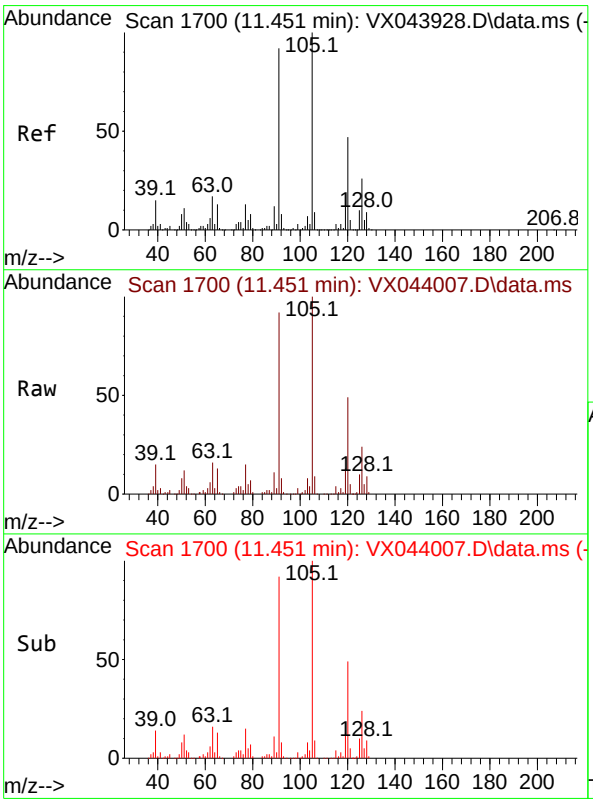
#81
trans-1,4-Dichloro-2-butene
Concen: 16.262 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 75 Resp: 11741

Ion	Ratio	Lower	Upper
75	100		
53	118.9	86.7	130.1
89	49.2	38.2	57.2

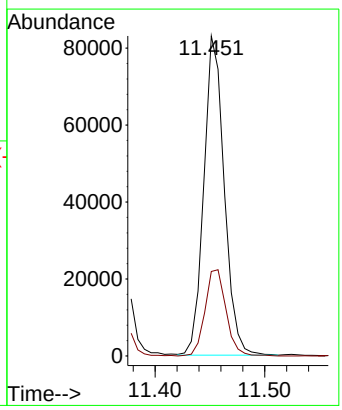


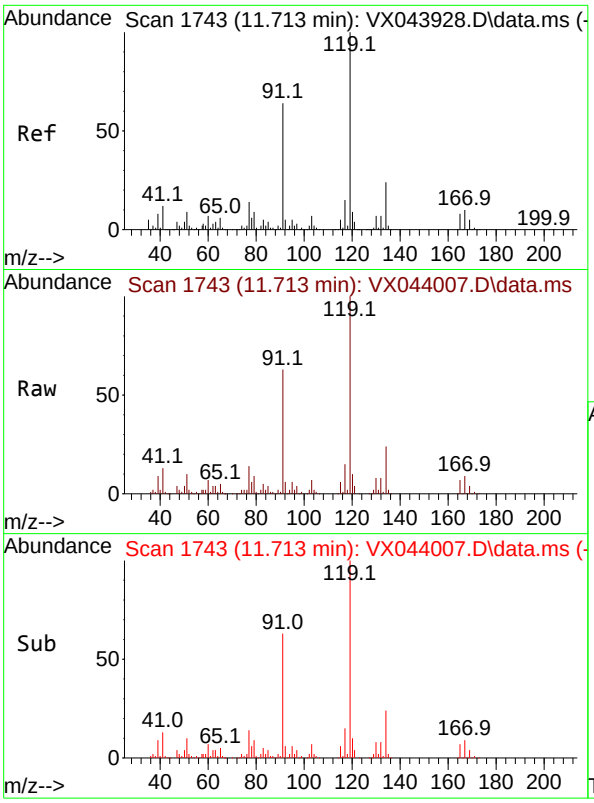


#82
4-Chlorotoluene
Concen: 19.470 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 107199

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.3	42.9



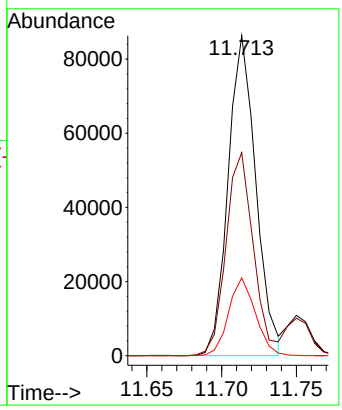


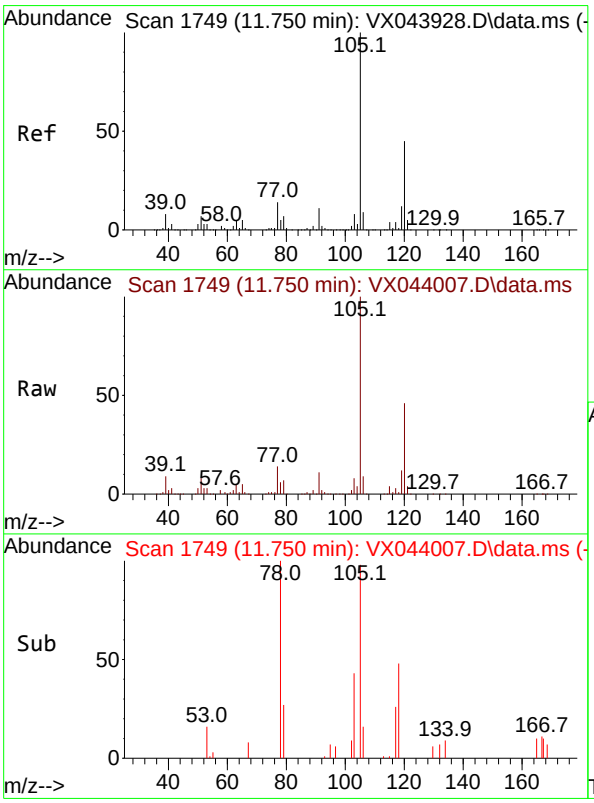
#83
tert-Butylbenzene
Concen: 19.789 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:119 Resp: 111433

Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.0	93.0
134	23.6	11.6	34.8

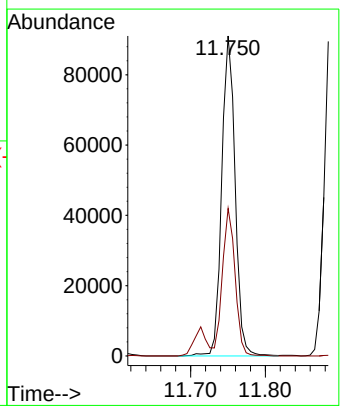


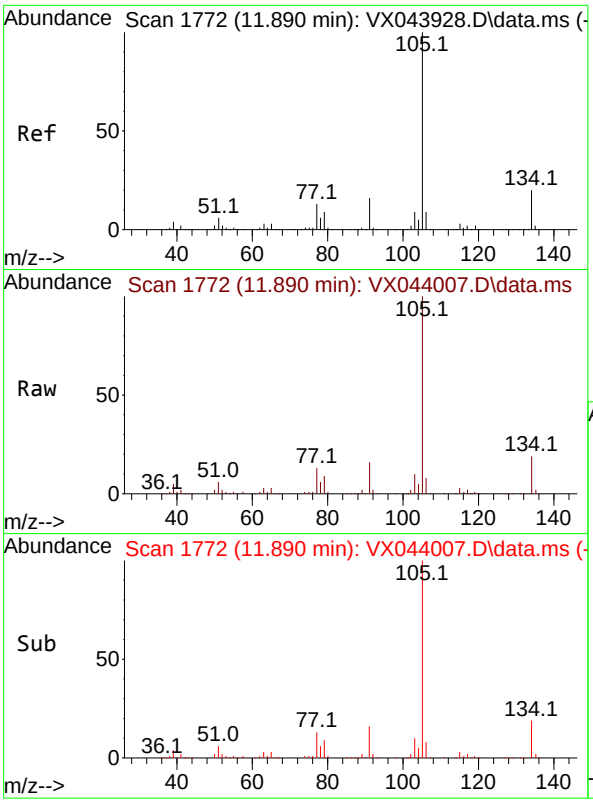


#84
1,2,4-Trimethylbenzene
Concen: 20.112 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:105 Resp: 113761

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7



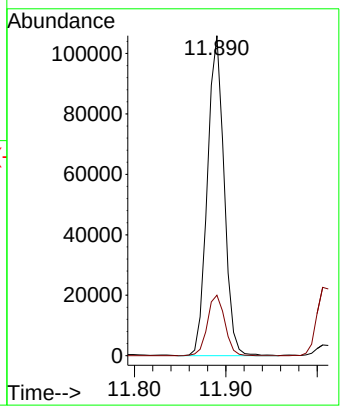


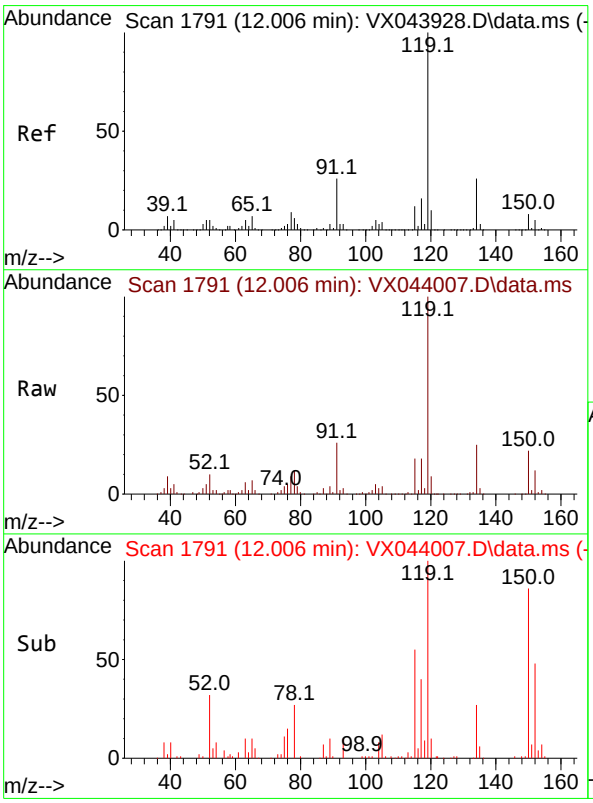
#85
sec-Butylbenzene
Concen: 19.422 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:105 Resp: 133999

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

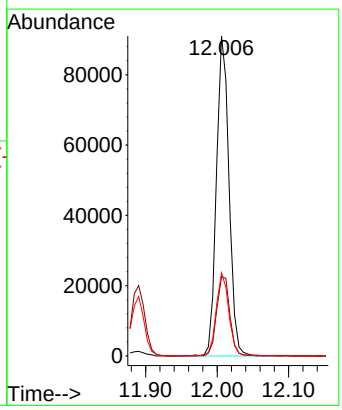


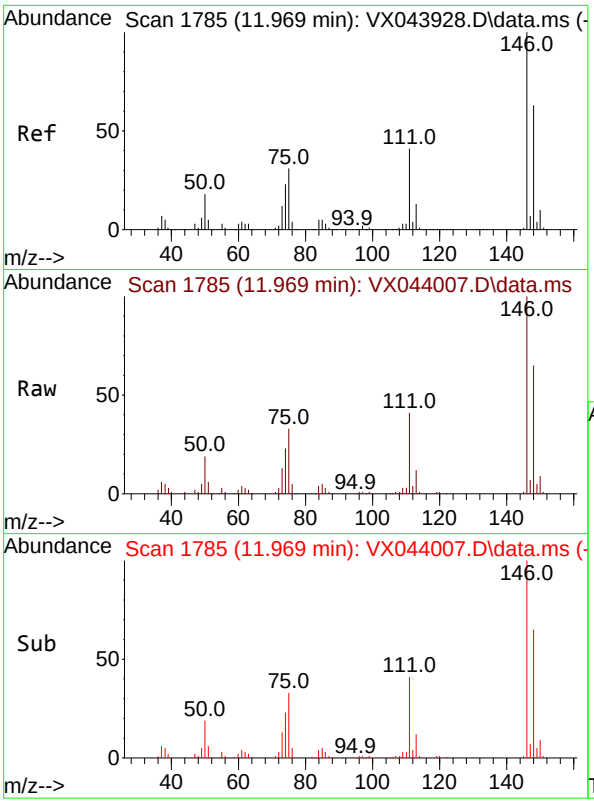


#86
p-Isopropyltoluene
Concen: 19.806 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:119 Resp: 110997

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	26.2	13.0	38.9



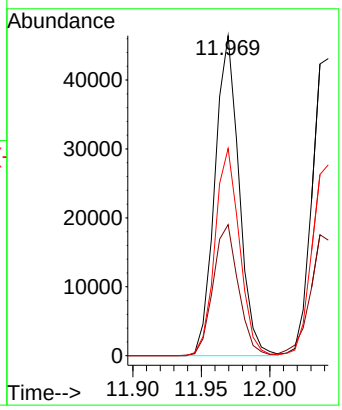


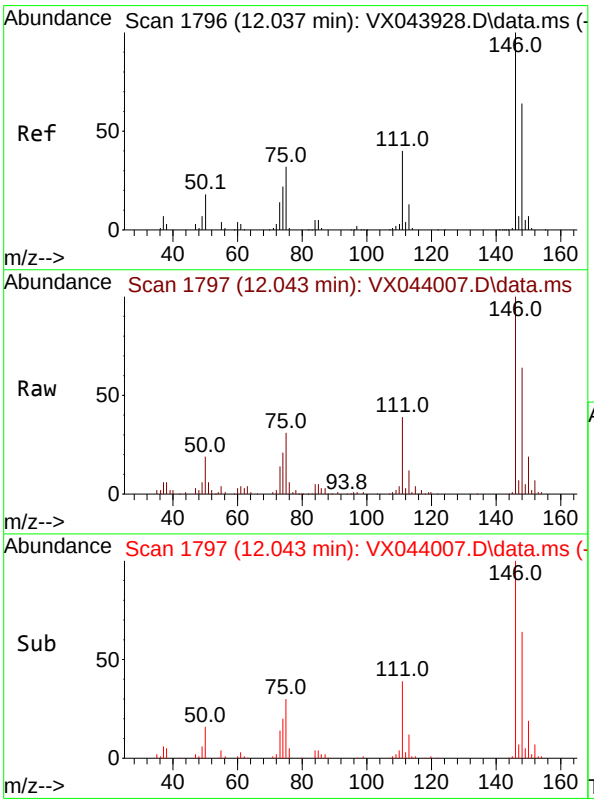
#87
1,3-Dichlorobenzene
Concen: 18.986 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:146 Resp: 56964

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	65.7	31.7	95.1

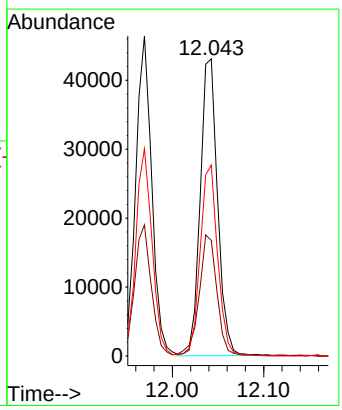


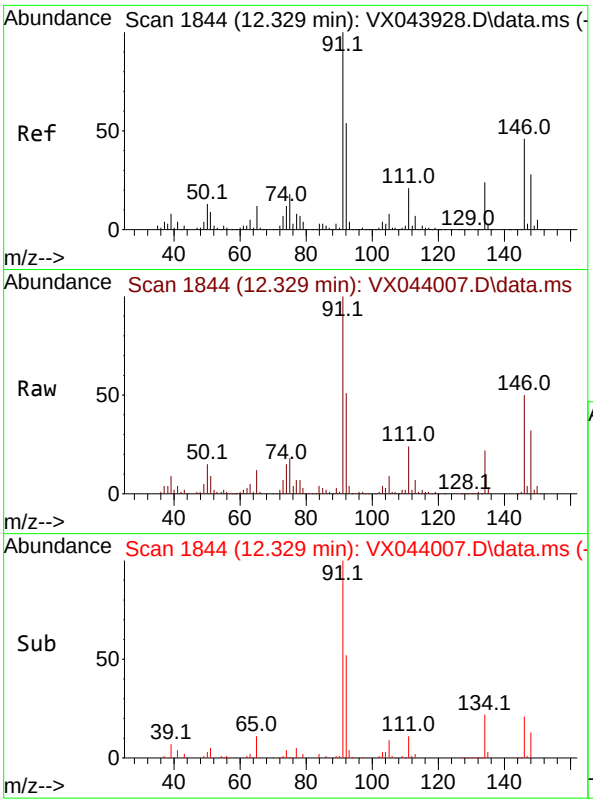


#88
1,4-Dichlorobenzene
Concen: 18.536 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:146 Resp: 56700

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	65.0	30.9	92.8



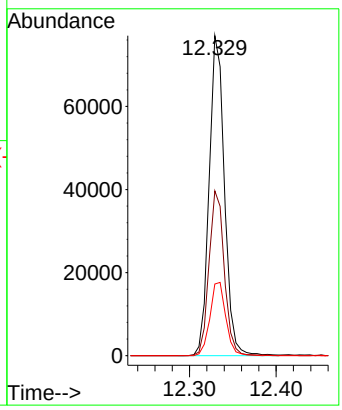


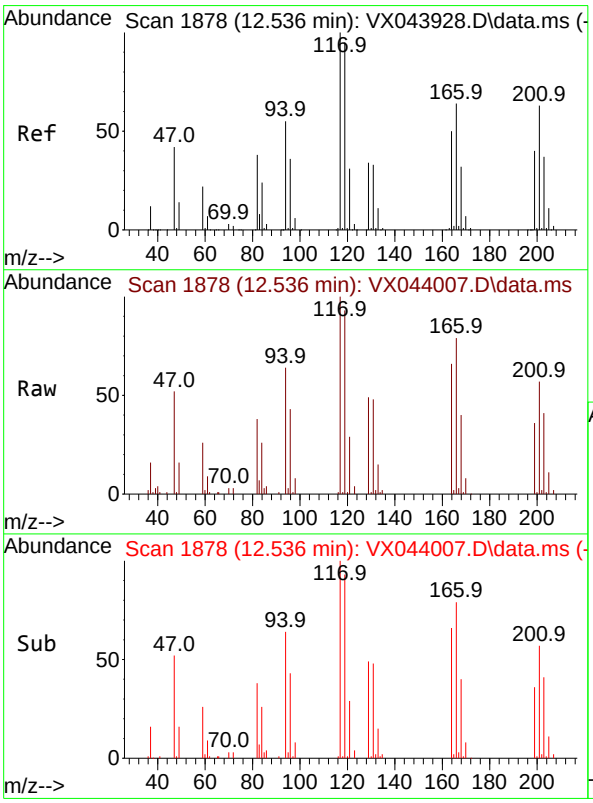
#89
n-Butylbenzene
Concen: 19.165 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion: 91 Resp: 94699

Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.6	79.8
134	23.8	12.4	37.2

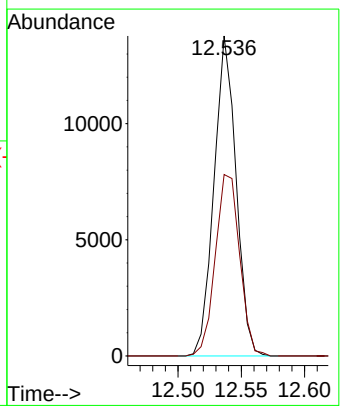


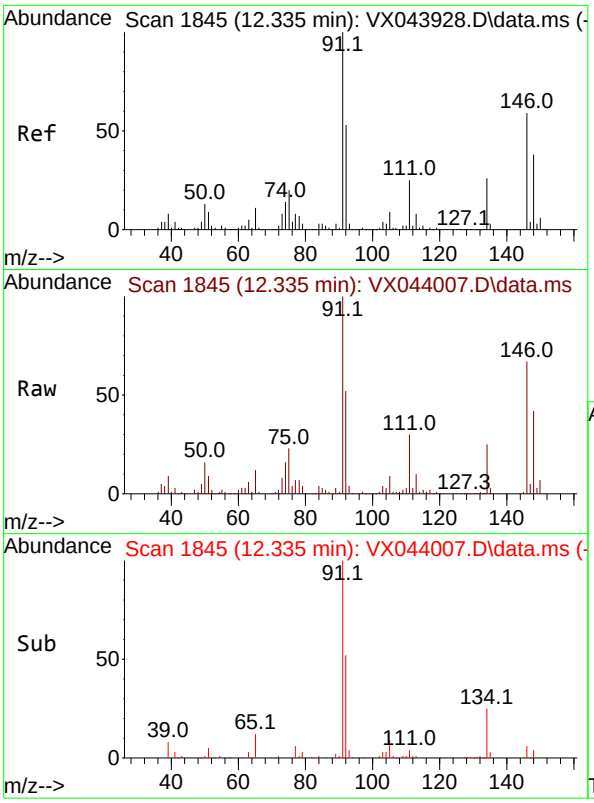


#90
Hexachloroethane
Concen: 17.501 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:117 Resp: 16678

Ion	Ratio	Lower	Upper
117	100		
201	62.7	32.4	97.0



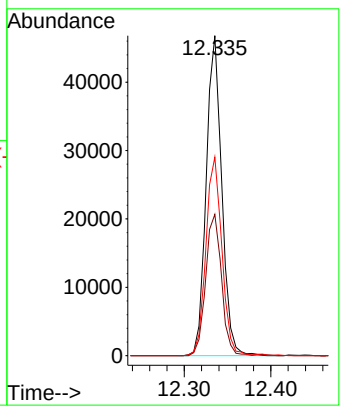


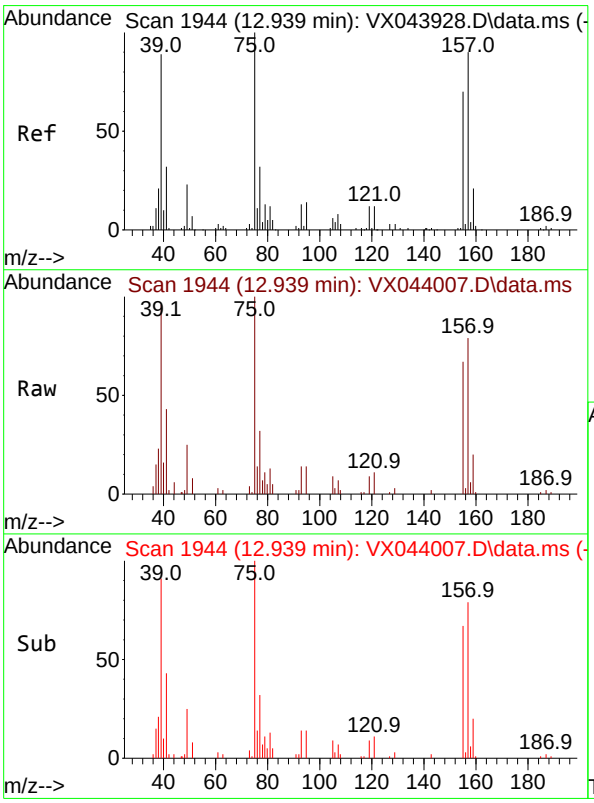
#91
1,2-Dichlorobenzene
Concen: 19.278 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:146 Resp: 58372

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.5	64.5
148	63.6	31.9	95.5

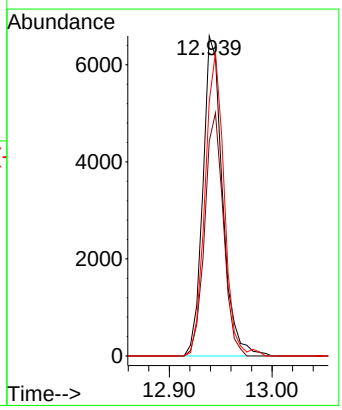


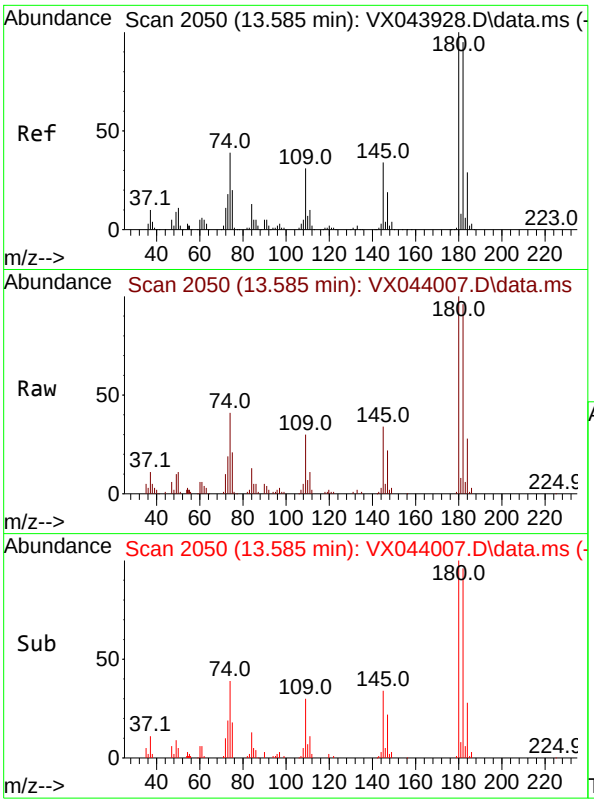


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.445 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 8739

Ion	Ratio	Lower	Upper
75	100		
155	72.4	40.1	120.2
157	92.3	49.6	149.0



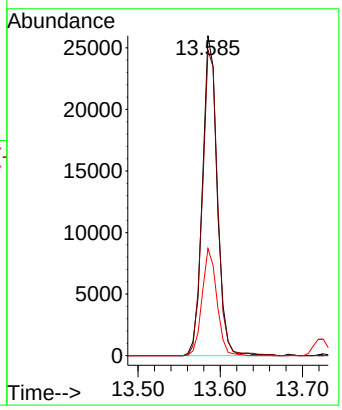


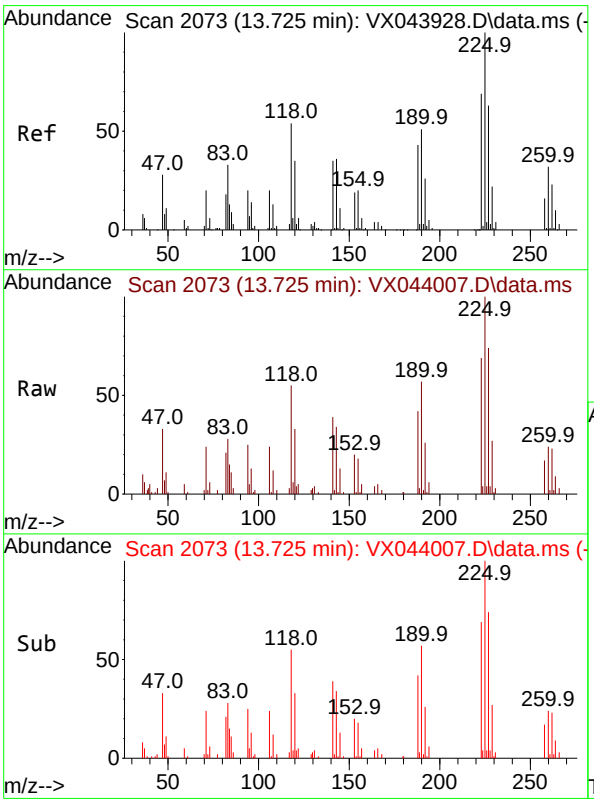
#93
1,2,4-Trichlorobenzene
Concen: 18.075 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:180 Resp: 32265

Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.0	144.2
145	33.5	16.8	50.4

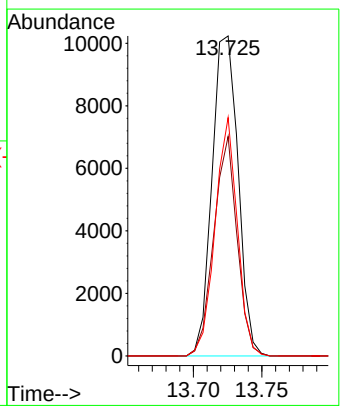


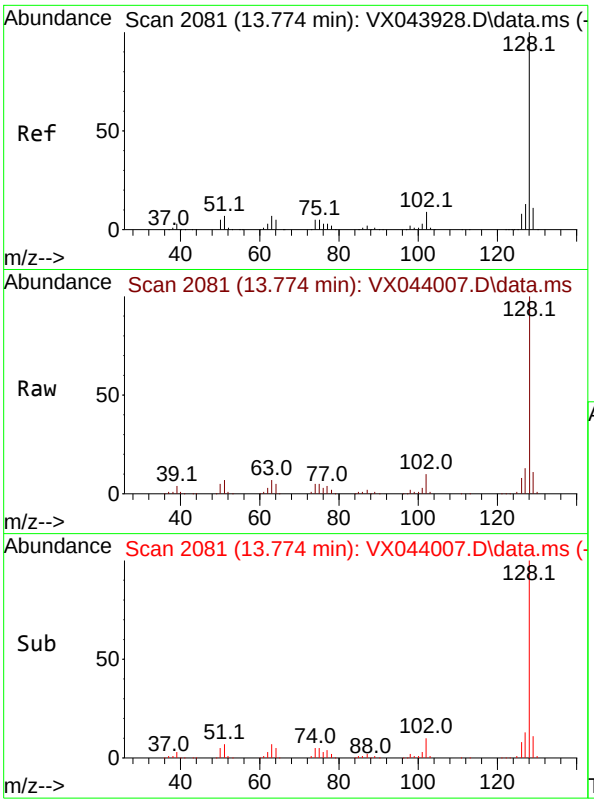


#94
Hexachlorobutadiene
Concen: 19.148 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:225 Resp: 13509

Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.9	98.6
227	63.9	31.6	94.8



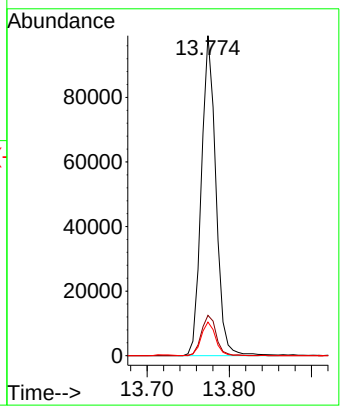


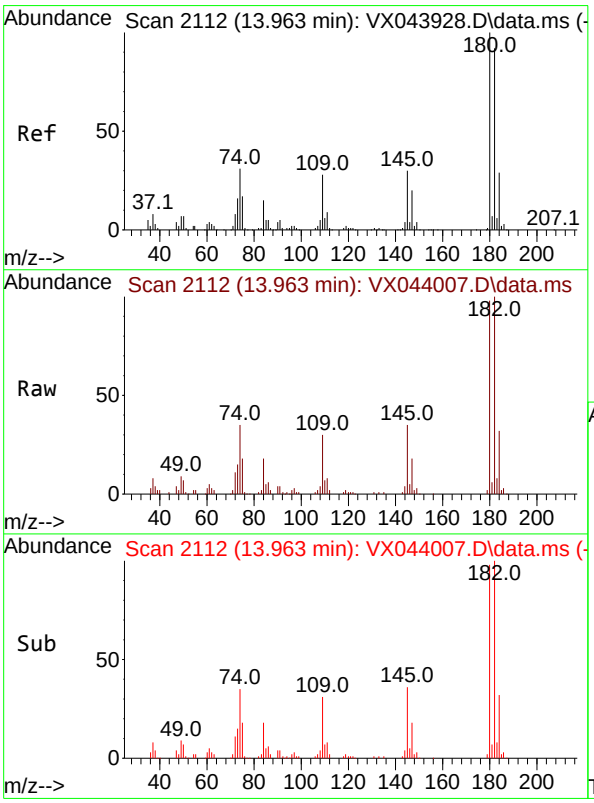
#95
Naphthalene
Concen: 18.917 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1126WBS01

Tgt Ion:128 Resp: 121561

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.4	8.6	12.8

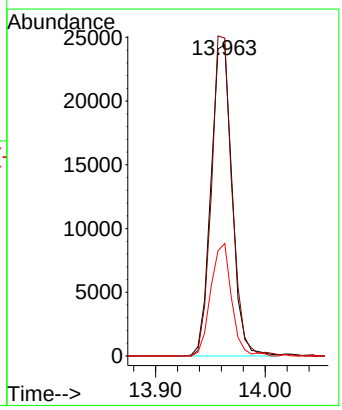




#96
1,2,3-Trichlorobenzene
Concen: 18.123 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044007.D
Acq: 26 Nov 2024 11:17

Tgt Ion:180 Resp: 32745

Ion	Ratio	Lower	Upper
180	100		
182	99.7	45.6	136.8
145	35.6	16.4	49.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	129622	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	232929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101649	45.721	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.440%			
35) Dibromofluoromethane	5.385	113	76704	46.085	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.180%			
50) Toluene-d8	8.647	98	252602	44.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.060%			
62) 4-Bromofluorobenzene	11.079	95	90209	46.200	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	68775	41.882	ug/l	96
3) Chloromethane	1.294	50	76126	44.054	ug/l	99
4) Vinyl Chloride	1.374	62	80988	44.064	ug/l	95
5) Bromomethane	1.593	94	52561	46.486	ug/l	99
6) Chloroethane	1.666	64	55628	49.670	ug/l	95
7) Trichlorofluoromethane	1.867	101	158089	48.109	ug/l	100
8) Diethyl Ether	2.136	74	55276	46.152	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68171	43.492	ug/l	99
10) Methyl Iodide	2.441	142	87750	44.825	ug/l	98
11) Tert butyl alcohol	2.995	59	78482	219.930	ug/l	100
12) 1,1-Dichloroethene	2.306	96	64654	43.287	ug/l	97
13) Acrolein	2.233	56	107494	285.786	ug/l	98
14) Allyl chloride	2.654	41	111244	45.581	ug/l	99
15) Acrylonitrile	3.068	53	203086	233.535	ug/l	99
16) Acetone	2.386	43	204874	200.637	ug/l	99
17) Carbon Disulfide	2.502	76	111407	36.160	ug/l	100
18) Methyl Acetate	2.703	43	110130	46.313	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	250264	46.146	ug/l	100
20) Methylene Chloride	2.782	84	75327	43.471	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	68292	44.286	ug/l	95
22) Diisopropyl ether	3.763	45	242444	46.457	ug/l	96
23) Vinyl Acetate	3.721	43	1045717	234.240	ug/l	99
24) 1,1-Dichloroethane	3.605	63	138967	46.159	ug/l	99
25) 2-Butanone	4.568	43	303762	230.549	ug/l	97
26) 2,2-Dichloropropane	4.471	77	117669	43.277	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85466	44.837	ug/l	98
28) Bromochloromethane	4.891	49	55252	41.693	ug/l	96
29) Tetrahydrofuran	5.007	42	185959	230.219	ug/l	99
30) Chloroform	5.086	83	149860	46.281	ug/l	96
31) Cyclohexane	5.464	56	102682	41.440	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	127750	45.750	ug/l	98
36) 1,1-Dichloropropene	5.690	75	93123	44.899	ug/l	98
37) Ethyl Acetate	4.715	43	118849	46.163	ug/l	99
38) Carbon Tetrachloride	5.672	117	102840	44.128	ug/l	100
39) Methylcyclohexane	7.373	83	109854	40.771	ug/l	98
40) Benzene	6.031	78	289884	44.870	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	63345	48.072	ug/l		97
42) 1,2-Dichloroethane	6.086	62	119738	46.148	ug/l		100
43) Isopropyl Acetate	6.342	43	188292	45.956	ug/l		100
44) Trichloroethene	7.123	130	70853	38.741	ug/l		93
45) 1,2-Dichloropropane	7.427	63	73361	46.363	ug/l		98
46) Dibromomethane	7.580	93	57678	46.080	ug/l		98
47) Bromodichloromethane	7.818	83	104474	46.539	ug/l		100
48) Methyl methacrylate	7.696	41	90452	46.007	ug/l		99
49) 1,4-Dioxane	7.665	88	24126	688.902	ug/l	#	79
51) 4-Methyl-2-Pentanone	8.574	43	606325	242.496	ug/l		98
52) Toluene	8.714	92	177758	45.970	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	105266	45.983	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	114622	45.674	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	74228	46.503	ug/l		97
56) Ethyl methacrylate	9.116	69	116819	46.987	ug/l		100
57) 1,3-Dichloropropane	9.305	76	125806	46.788	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	279354	204.586	ug/l		99
59) 2-Hexanone	9.433	43	449056	238.945	ug/l		100
60) Dibromochloromethane	9.519	129	74665	46.621	ug/l		98
61) 1,2-Dibromoethane	9.610	107	76038	47.112	ug/l		99
64) Tetrachloroethene	9.269	164	58837	44.283	ug/l		97
65) Chlorobenzene	10.079	112	195068	44.078	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	67421	46.975	ug/l		98
67) Ethyl Benzene	10.189	91	342810	45.714	ug/l		99
68) m/p-Xylenes	10.299	106	256139	91.591	ug/l		100
69) o-Xylene	10.640	106	126387	46.288	ug/l		97
70) Styrene	10.653	104	213625	47.303	ug/l		99
71) Bromoform	10.799	173	44621	41.511	ug/l	#	100
73) Isopropylbenzene	10.963	105	329562	45.287	ug/l		100
74) N-amyl acetate	10.841	43	157167	46.621	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	115162	46.217	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	124300	59.873	ug/l		82
77) Bromobenzene	11.195	156	78615	45.286	ug/l		98
78) n-propylbenzene	11.305	91	373275	45.927	ug/l		99
79) 2-Chlorotoluene	11.360	91	228979	44.554	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	270335	45.154	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	31547	41.465	ug/l		92
82) 4-Chlorotoluene	11.451	91	263259	45.372	ug/l		100
83) tert-Butylbenzene	11.713	119	271471	45.748	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	275565	46.231	ug/l		100
85) sec-Butylbenzene	11.890	105	329107	45.265	ug/l		100
86) p-Isopropyltoluene	12.006	119	276004	46.734	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	141063	44.616	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	142203	44.115	ug/l		98
89) n-Butylbenzene	12.329	91	238553	45.814	ug/l		100
90) Hexachloroethane	12.536	117	43270	43.087	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	143432	44.953	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21456	42.974	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	81063	43.093	ug/l		100
94) Hexachlorobutadiene	13.725	225	32492	43.704	ug/l		98
95) Naphthalene	13.774	128	305240	45.077	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	85549	44.931	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

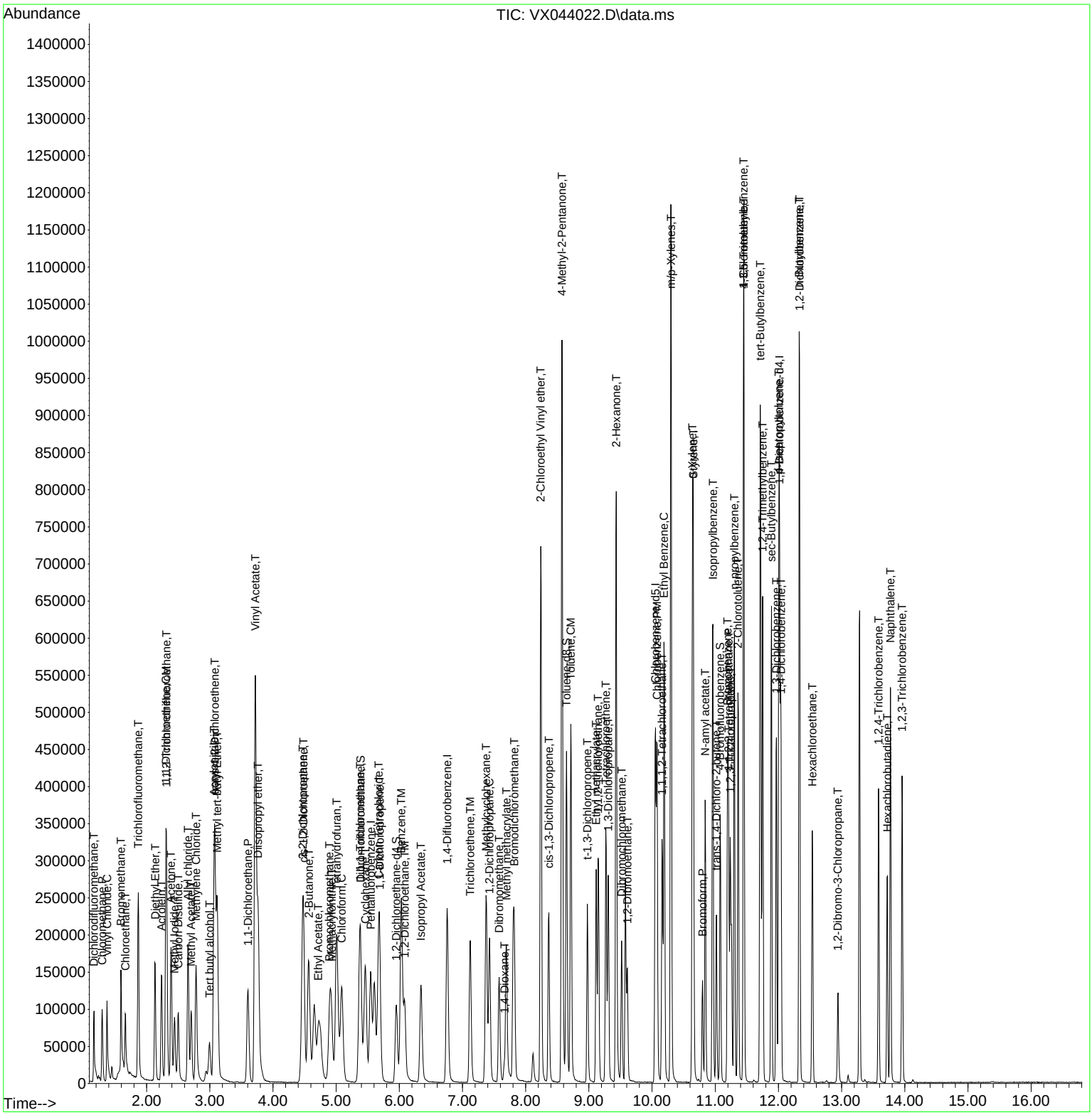
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

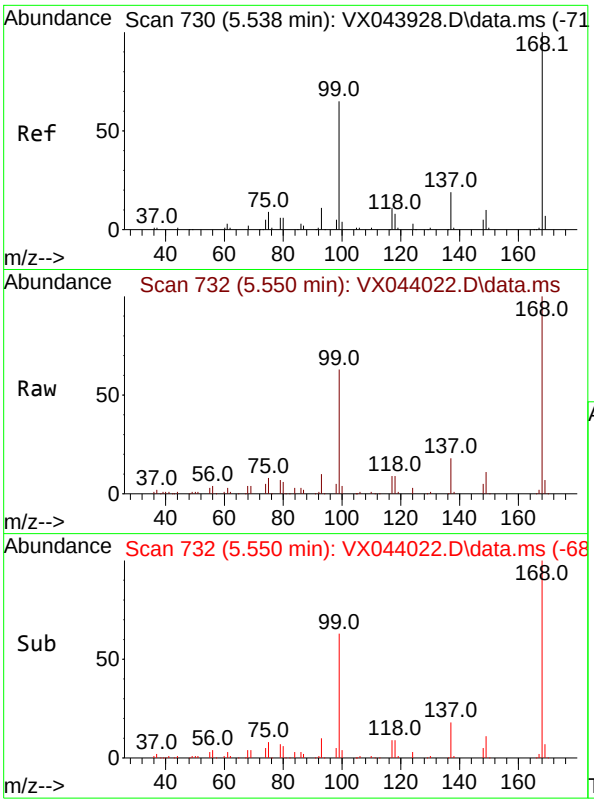
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044022.D
Acq On : 26 Nov 2024 17:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 00:56:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



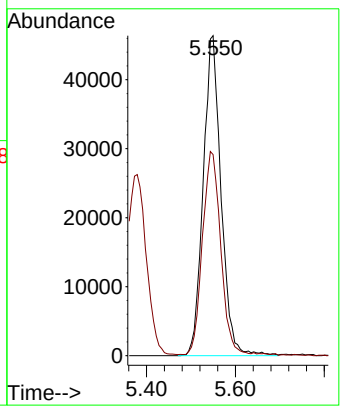


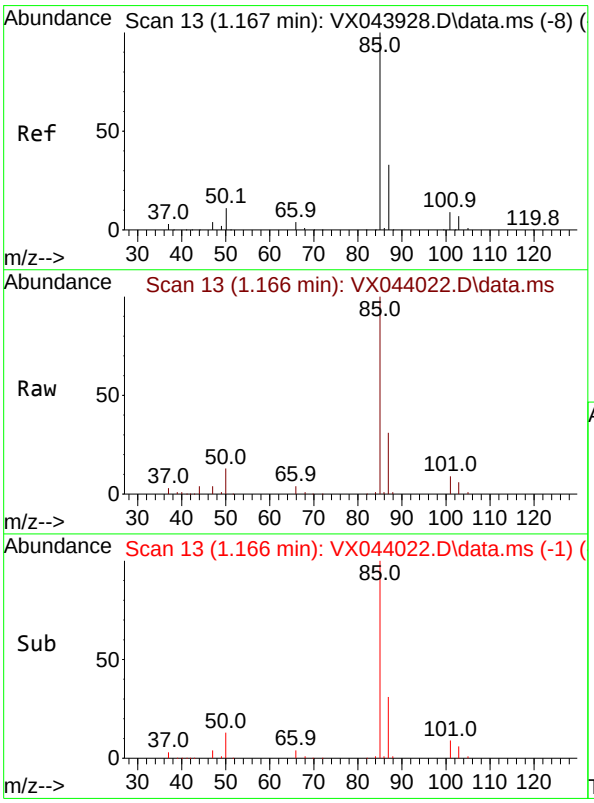
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 129622

Ion	Ratio	Lower	Upper
168	100		
99	62.7	51.8	77.8

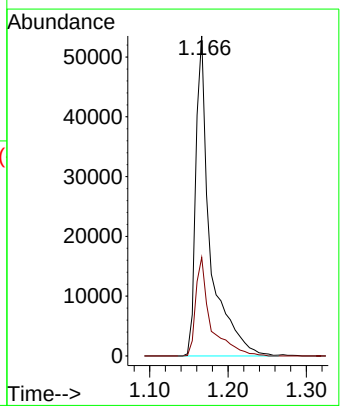


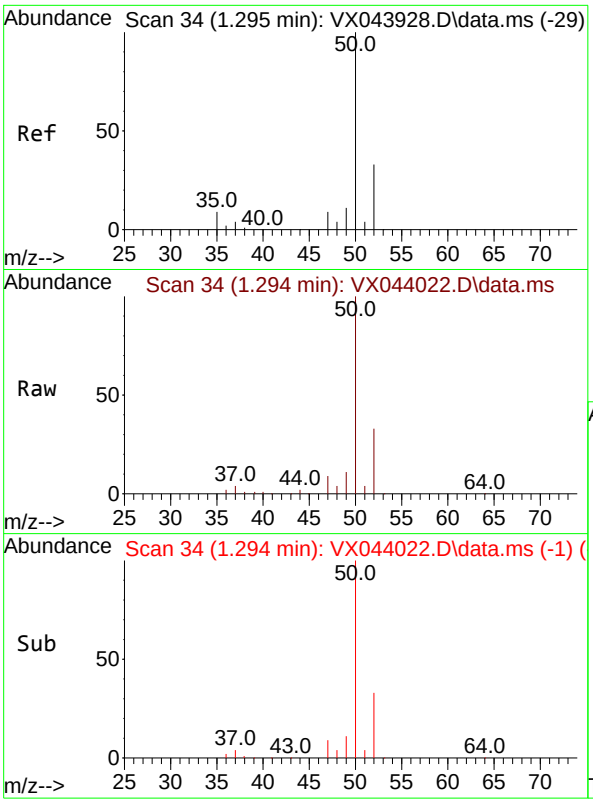


#2
Dichlorodifluoromethane
Concen: 41.882 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 85 Resp: 68775

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.6	49.8



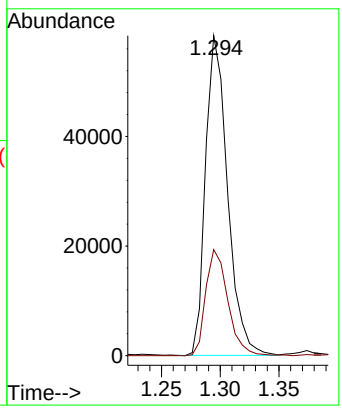


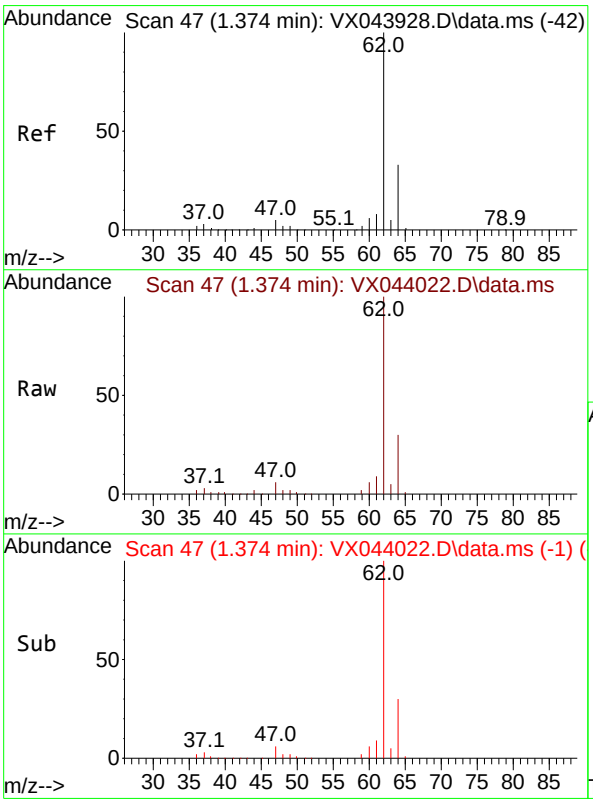
#3
Chloromethane
Concen: 44.054 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 76126

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1

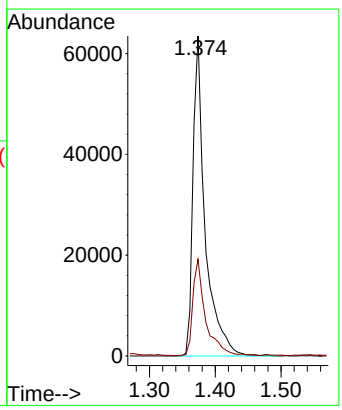


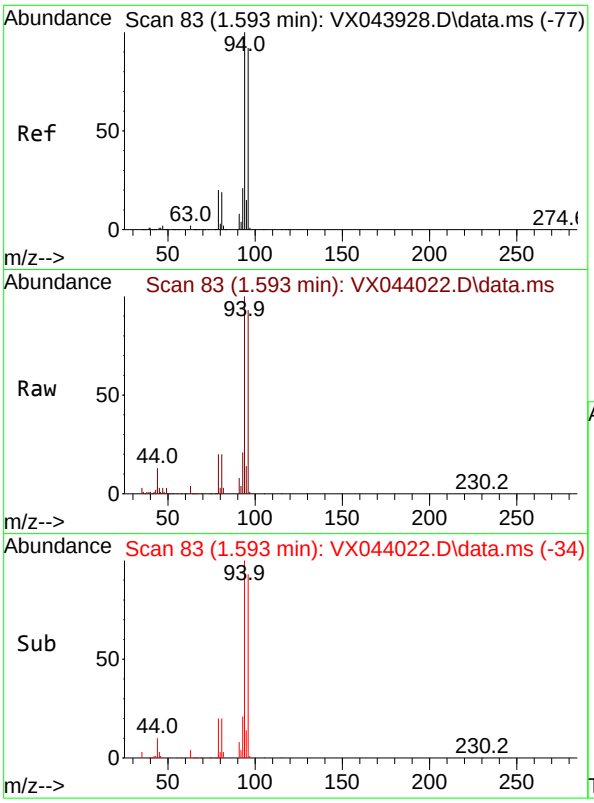


#4
Vinyl Chloride
Concen: 44.064 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 62 Resp: 80988

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.4



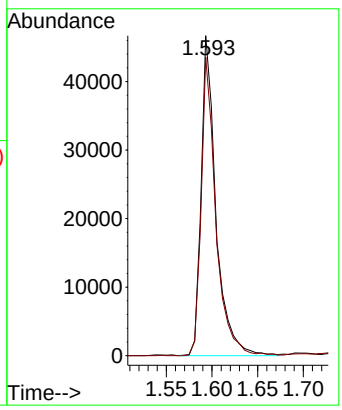


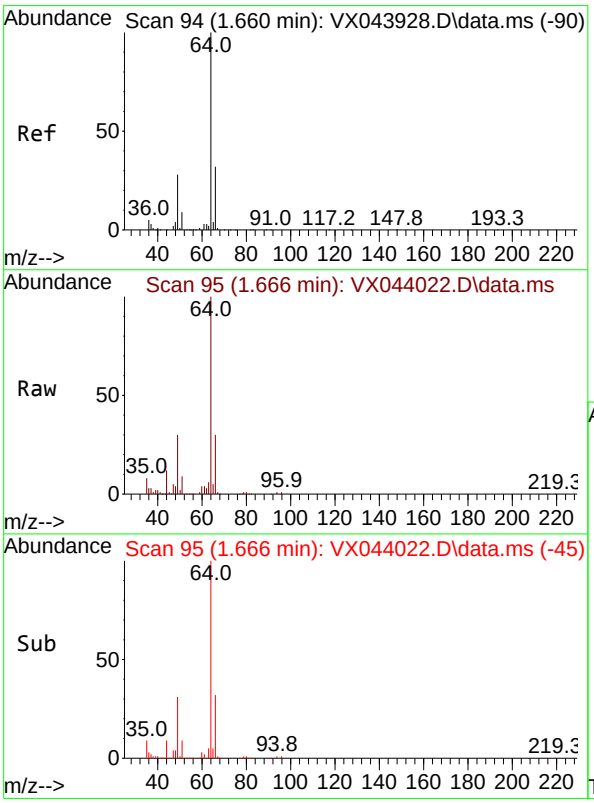
#5
Bromomethane
Concen: 46.486 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 52561

Ion	Ratio	Lower	Upper
94	100		
96	93.3	73.9	110.9

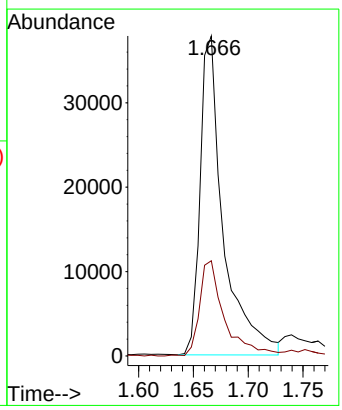


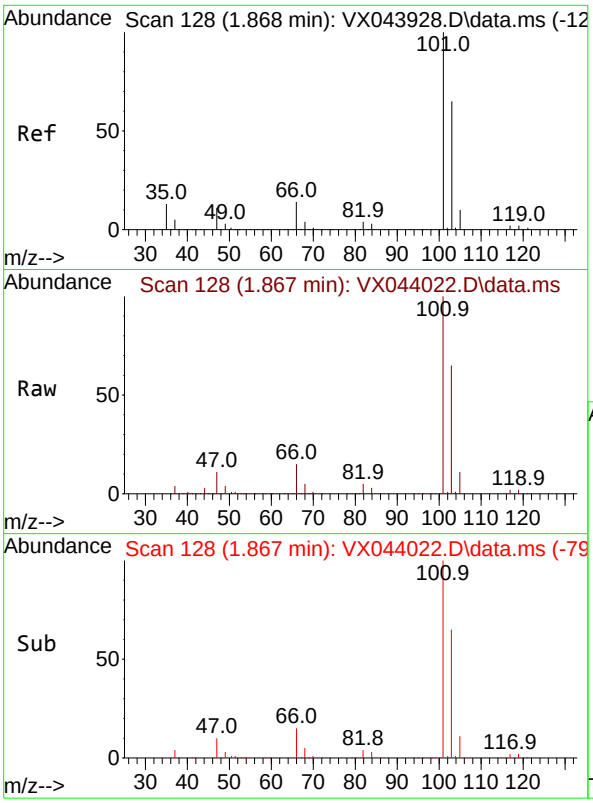


#6
Chloroethane
Concen: 49.670 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 64 Resp: 55628

Ion	Ratio	Lower	Upper
64	100		
66	29.6	25.9	38.9



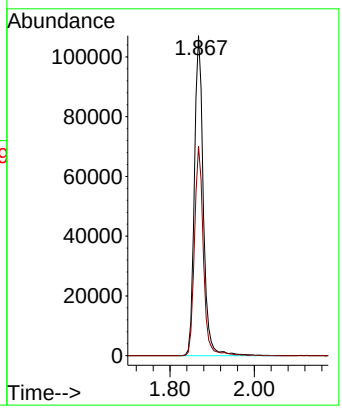


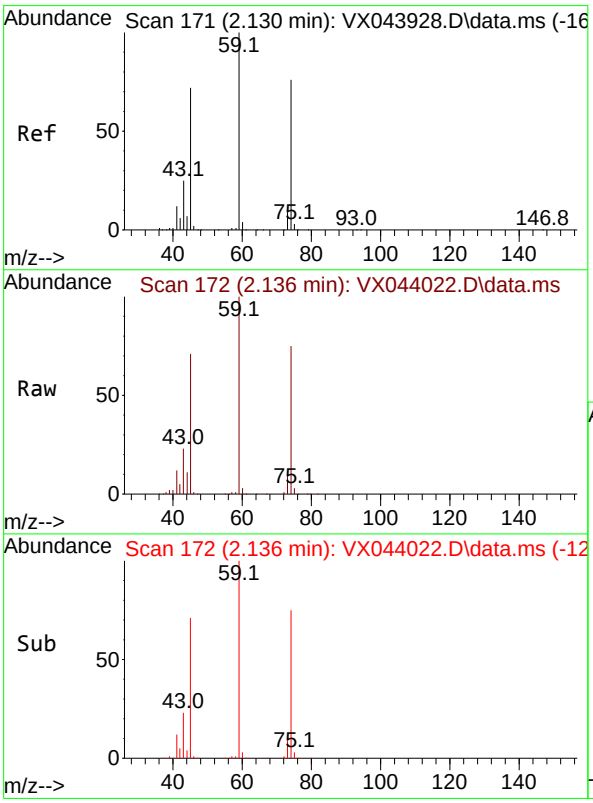
#7
Trichlorofluoromethane
Concen: 48.109 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 158089

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

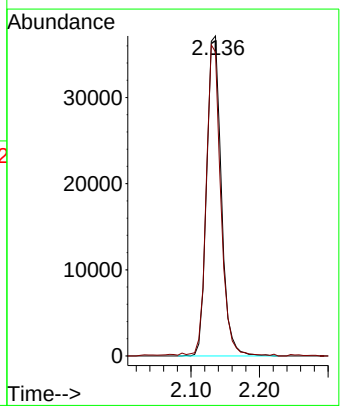


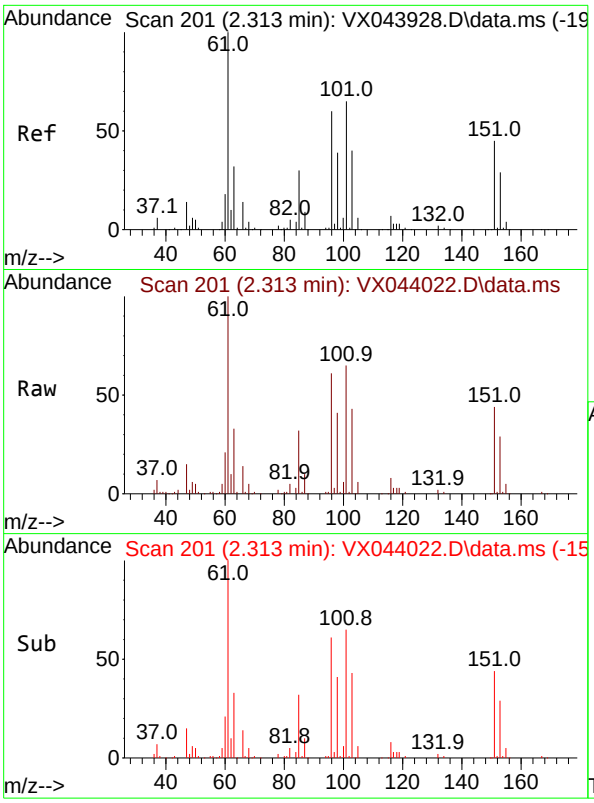


#8
Diethyl Ether
Concen: 46.152 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 74 Resp: 55276

Ion	Ratio	Lower	Upper
74	100		
45	97.3	47.9	143.6



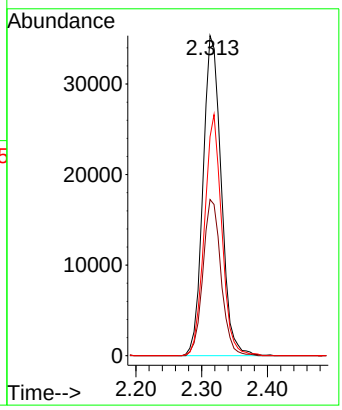


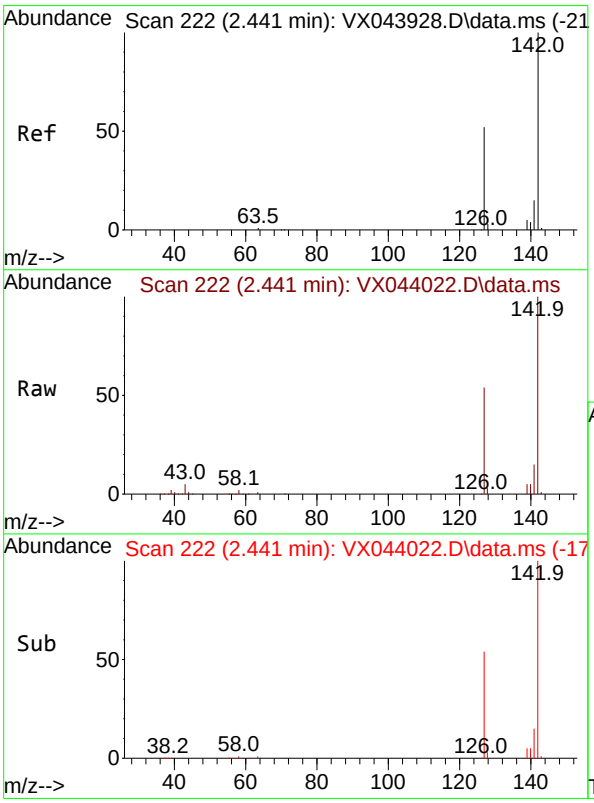
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.492 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 68171

Ion	Ratio	Lower	Upper
101	100		
85	48.3	37.9	56.9
151	71.9	57.5	86.3

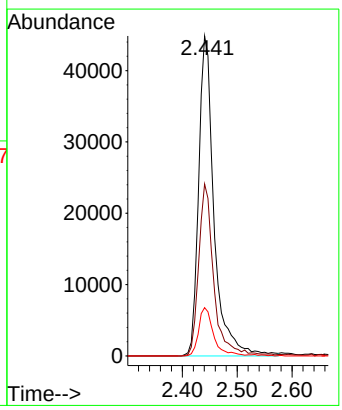


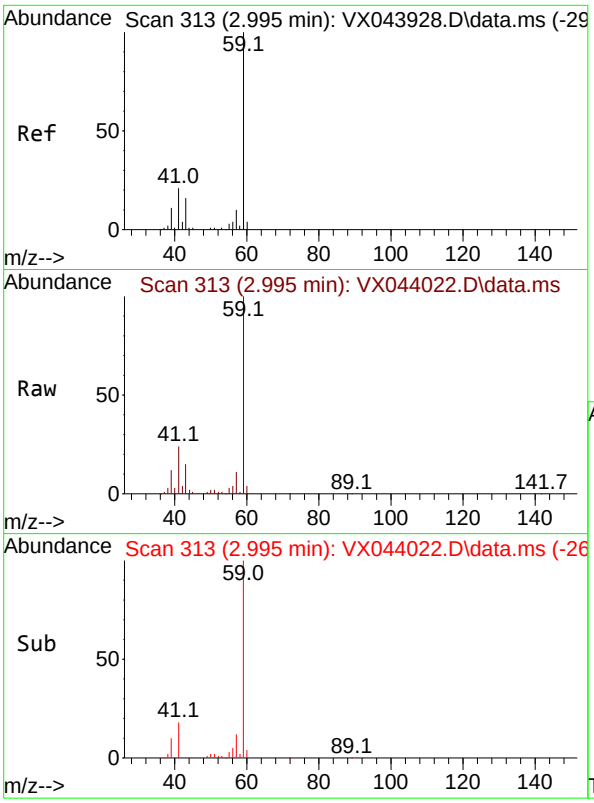


#10
Methyl Iodide
Concen: 44.825 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:142 Resp: 87750

Ion	Ratio	Lower	Upper
142	100		
127	52.8	40.7	61.1
141	14.6	12.0	18.0



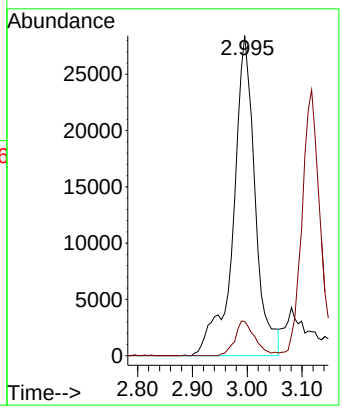


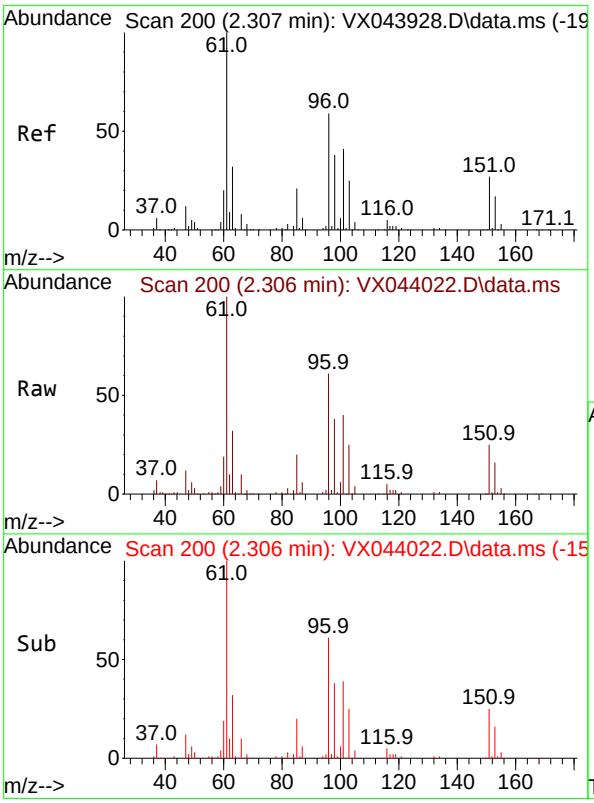
#11
Tert butyl alcohol
Concen: 219.930 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 78482

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

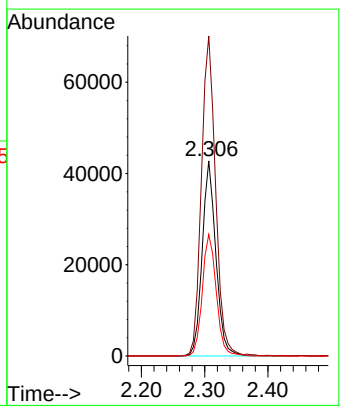


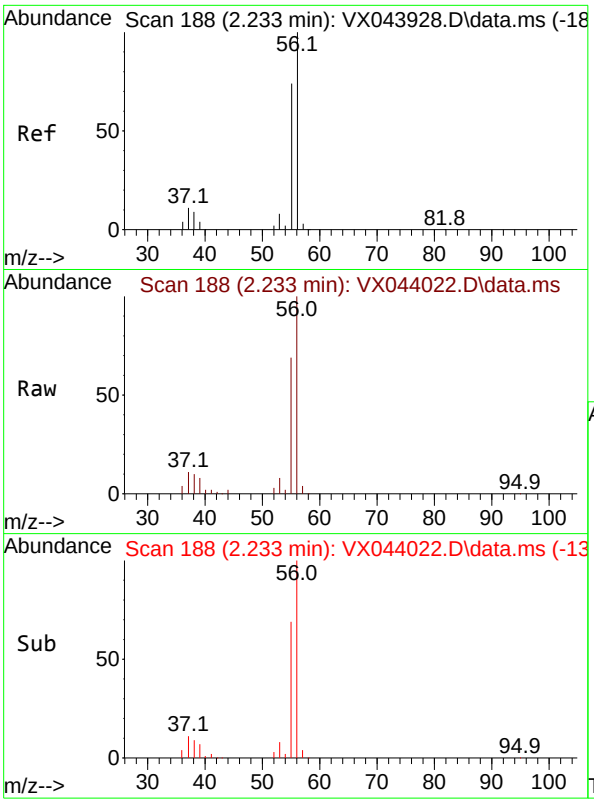


#12
1,1-Dichloroethene
Concen: 43.287 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 96 Resp: 64654

Ion	Ratio	Lower	Upper
96	100		
61	164.1	135.5	203.3
98	62.3	50.8	76.2



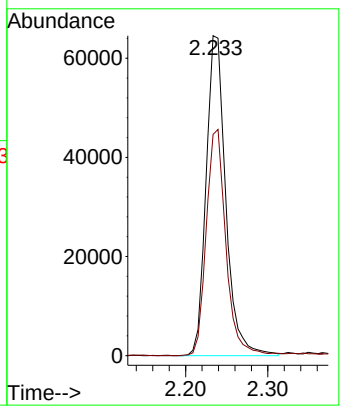


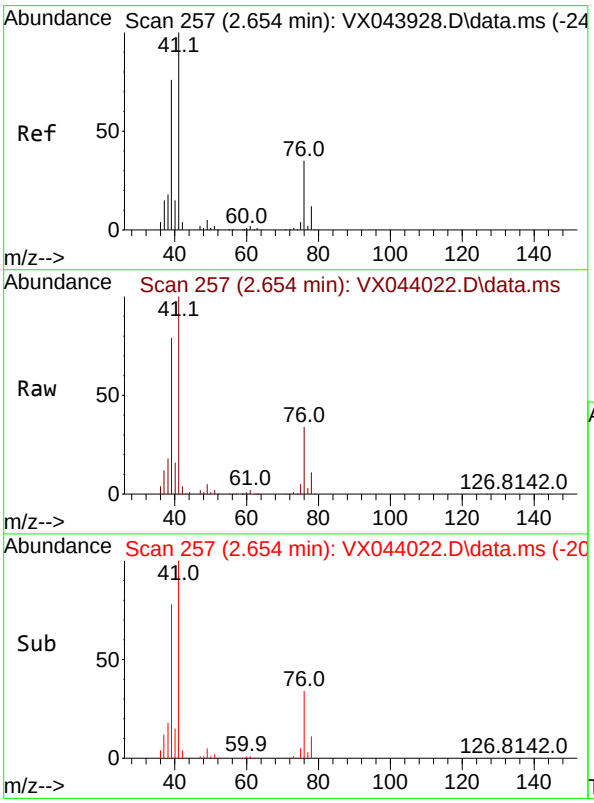
#13
Acrolein
Concen: 285.786 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 107494

Ion	Ratio	Lower	Upper
56	100		
55	71.0	58.2	87.2

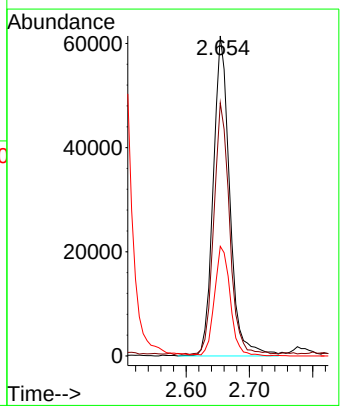


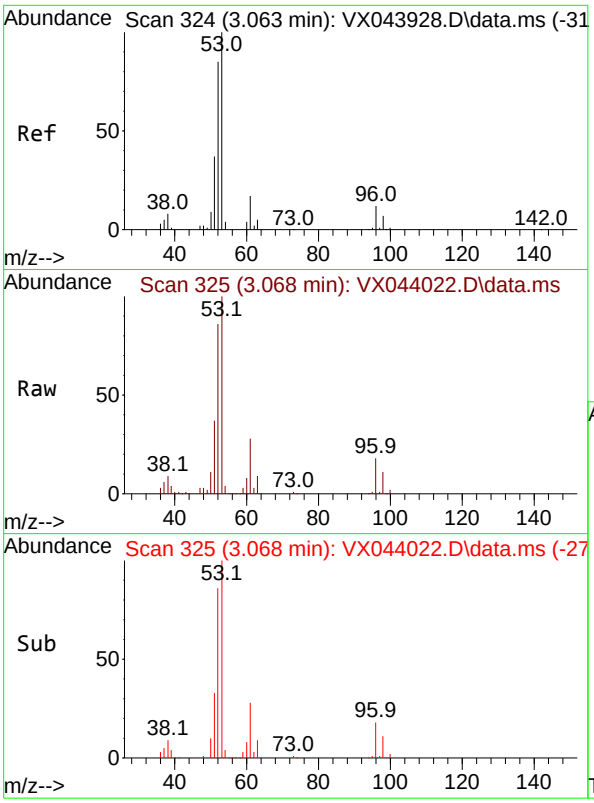


#14
Allyl chloride
Concen: 45.581 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 41 Resp: 111244

Ion	Ratio	Lower	Upper
41	100		
39	74.8	59.5	89.3
76	32.4	27.4	41.2



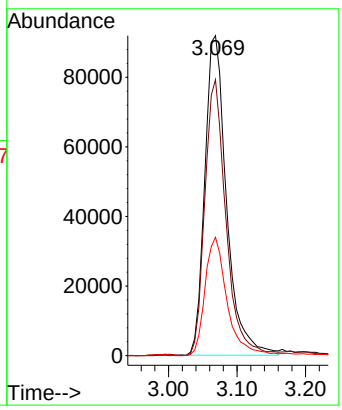


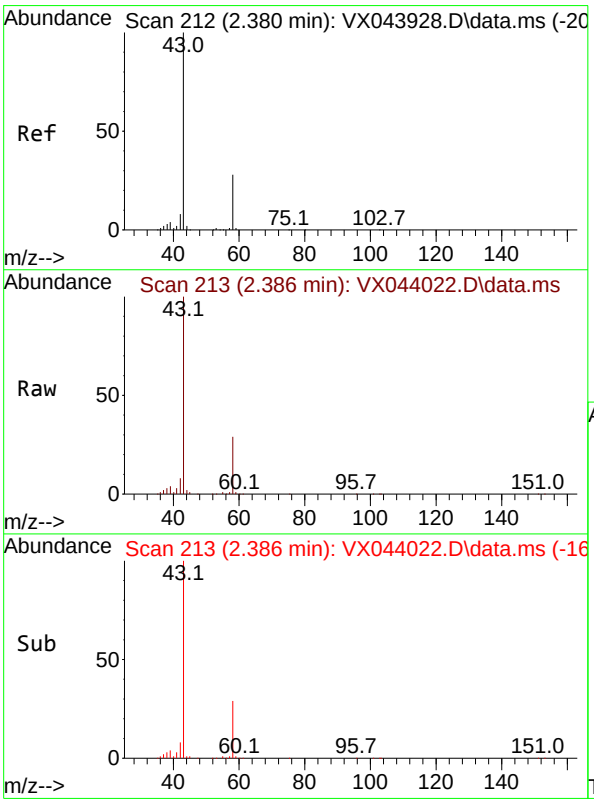
#15
Acrylonitrile
Concen: 233.535 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 203086

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	37.6	30.2	45.4

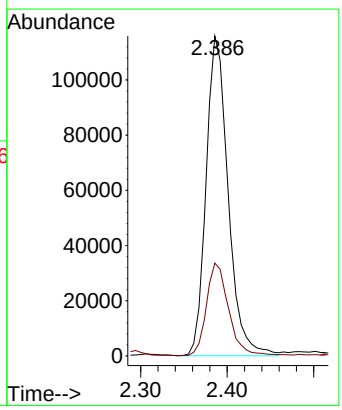


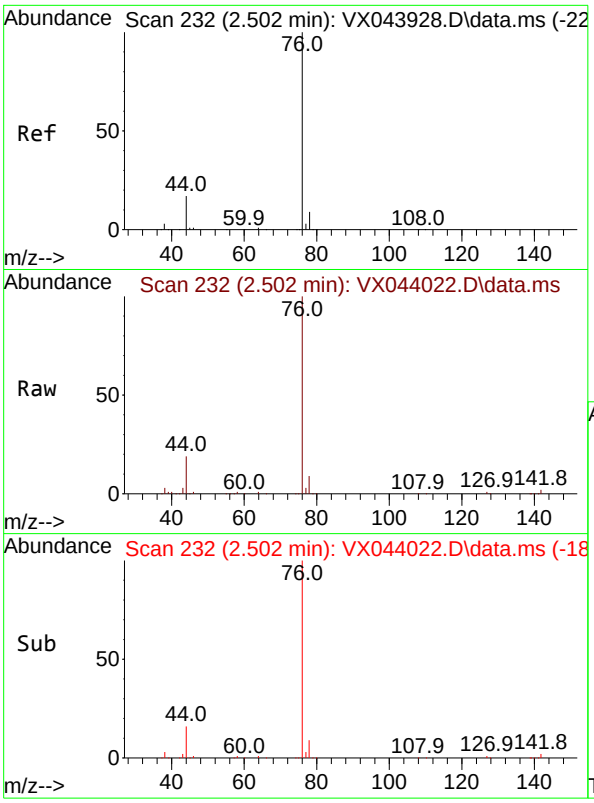


#16
Acetone
Concen: 200.637 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 204874

Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.7	34.1



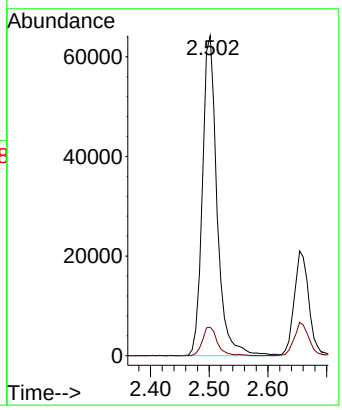


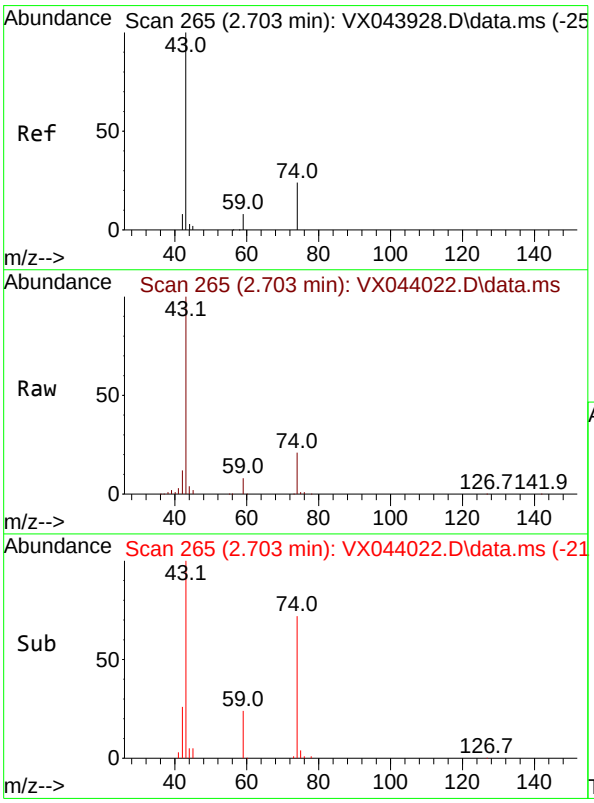
#17
Carbon Disulfide
Concen: 36.160 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 111407

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

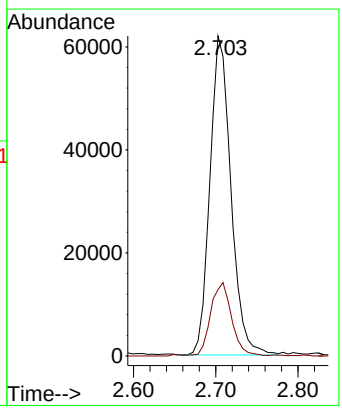


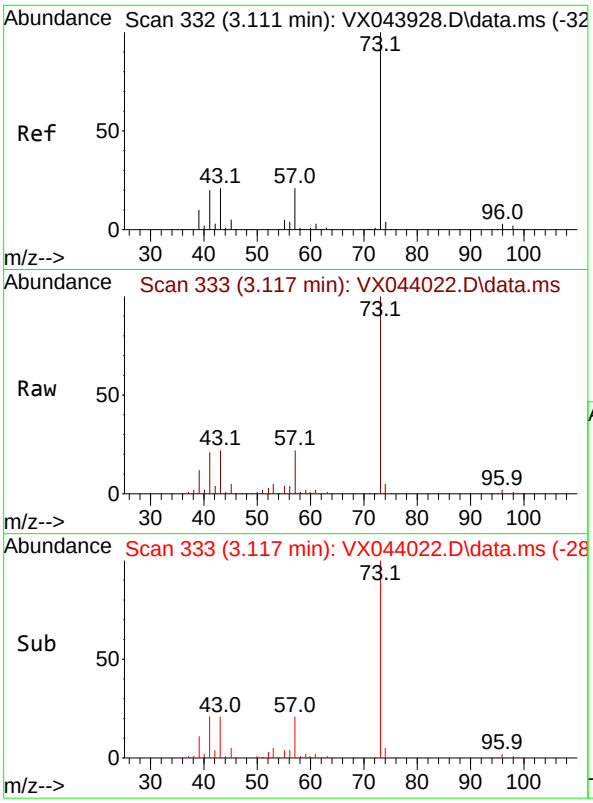


#18
Methyl Acetate
Concen: 46.313 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 110130

Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.9	28.3



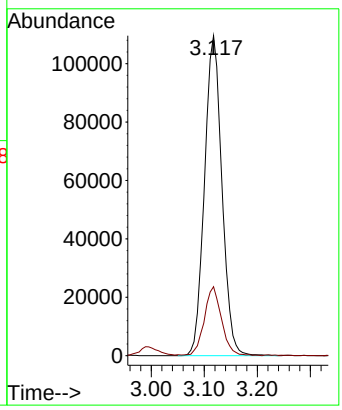


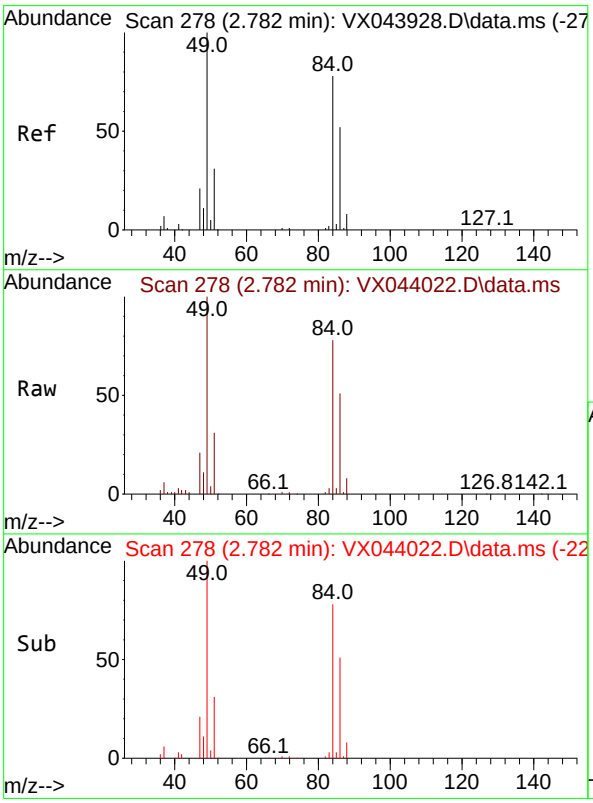
#19
Methyl tert-butyl Ether
Concen: 46.146 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 250264

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.0	25.6

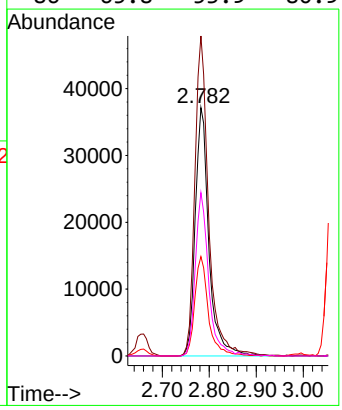


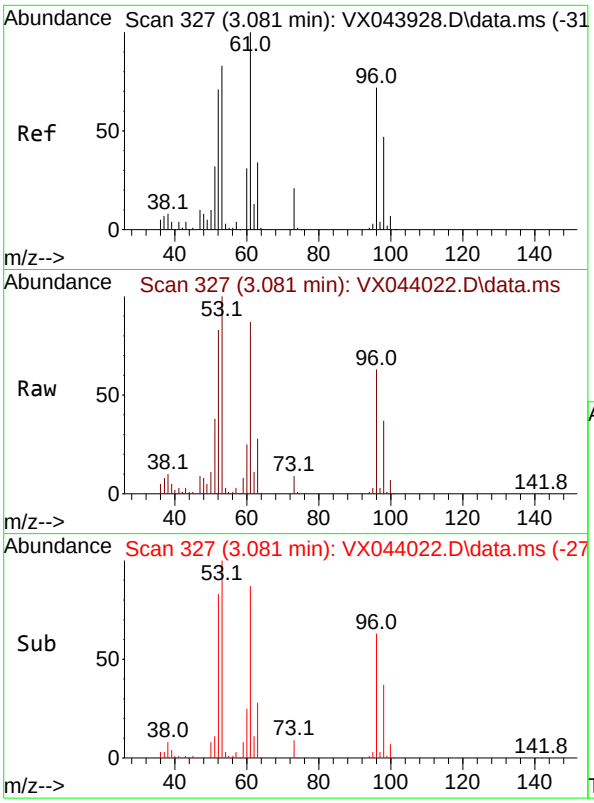


#20
Methylene Chloride
Concen: 43.471 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 84 Resp: 75327

Ion	Ratio	Lower	Upper
84	100		
49	128.9	102.7	154.1
51	40.0	31.7	47.5
86	65.8	53.9	80.9



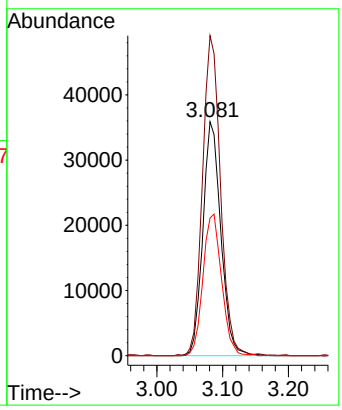


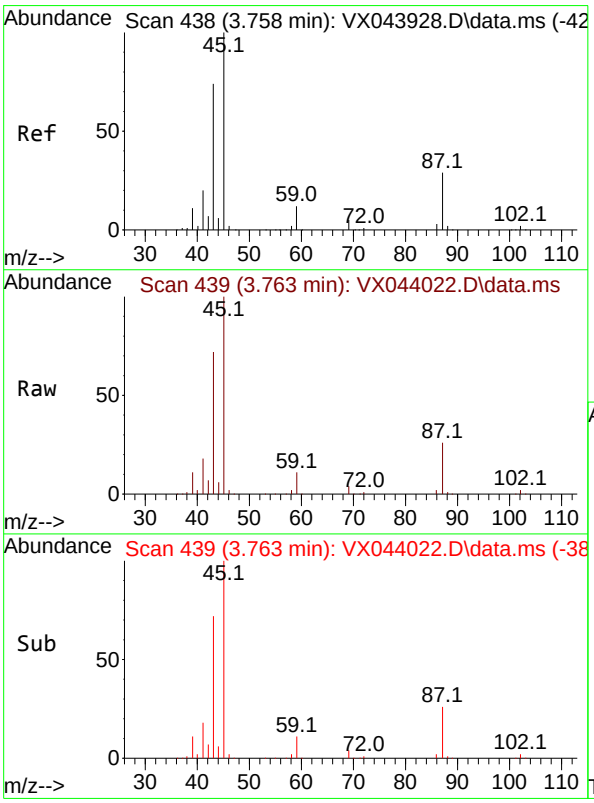
#21
trans-1,2-Dichloroethene
Concen: 44.286 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 68292

Ion	Ratio	Lower	Upper
96	100		
61	136.7	111.8	167.6
98	58.8	52.7	79.1

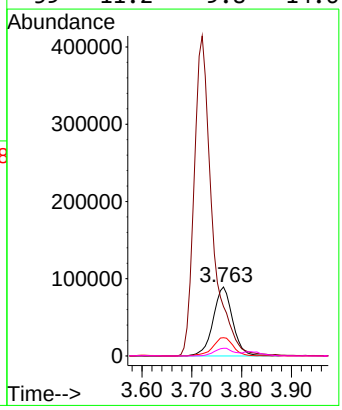


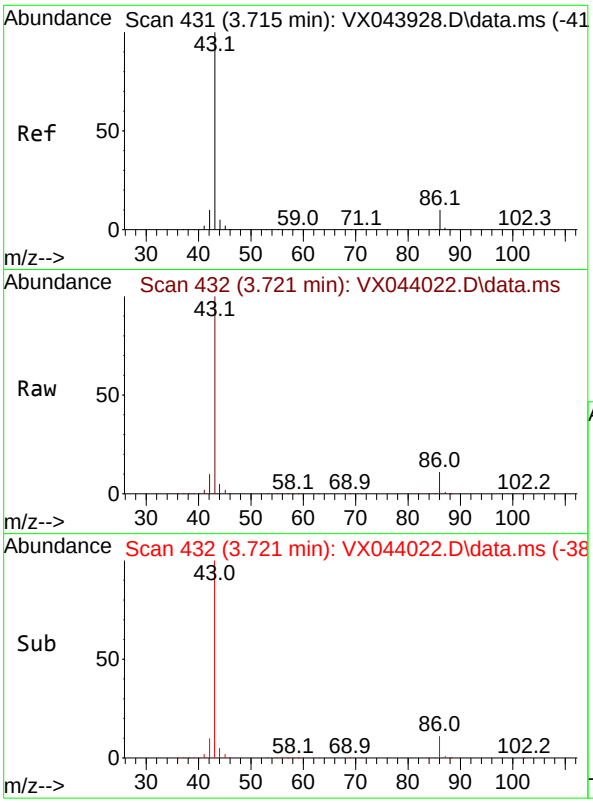


#22
Diisopropyl ether
Concen: 46.457 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 45 Resp: 242444

Ion	Ratio	Lower	Upper
45	100		
43	71.5	59.6	89.4
87	26.5	22.9	34.3
59	11.2	9.8	14.6



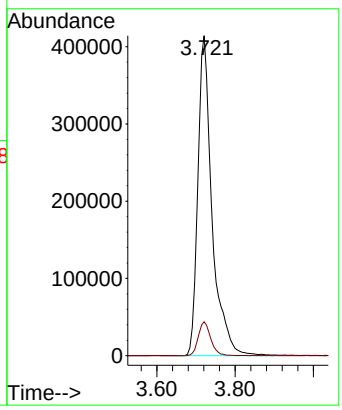


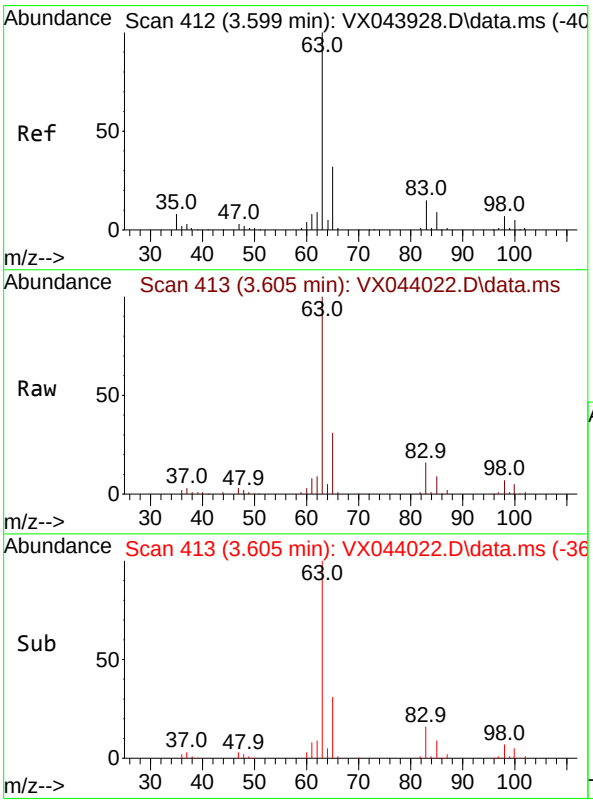
#23
Vinyl Acetate
Concen: 234.240 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1045717

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.3	12.5

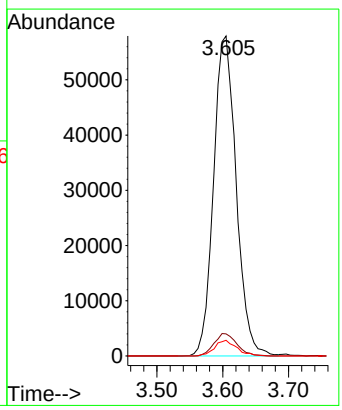


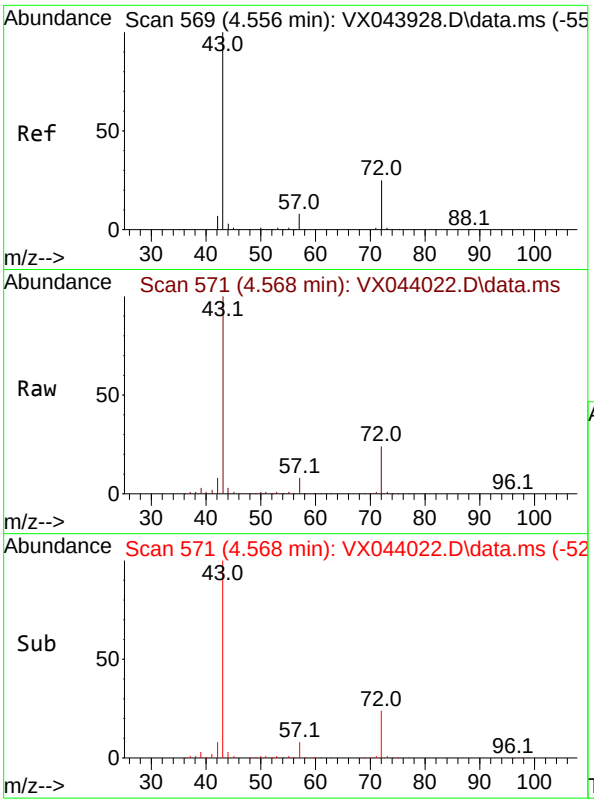


#24
1,1-Dichloroethane
Concen: 46.159 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 63 Resp: 138967

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.9	2.4	7.1



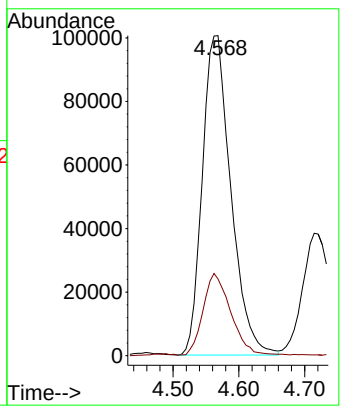


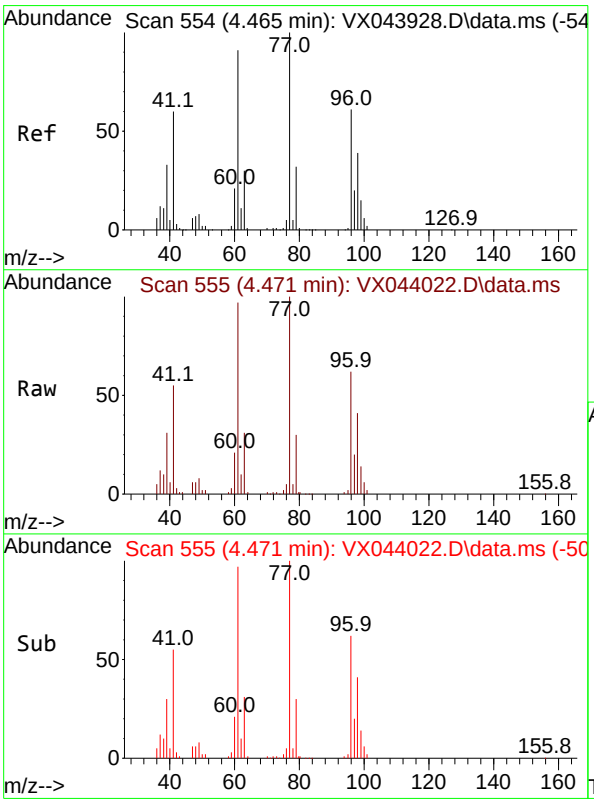
#25
2-Butanone
Concen: 230.549 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 303762

Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.2	30.2

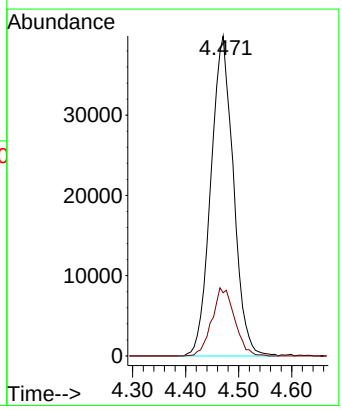


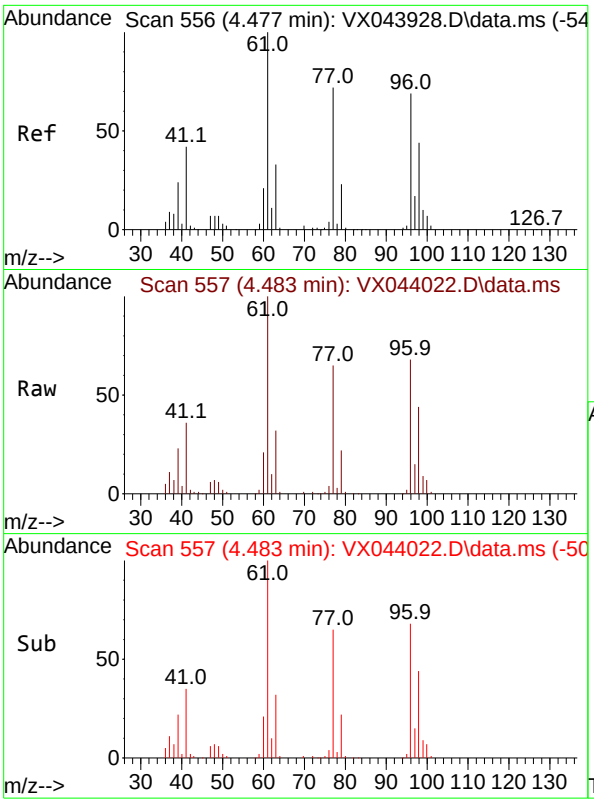


#26
2,2-Dichloropropane
Concen: 43.277 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 77 Resp: 117669

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



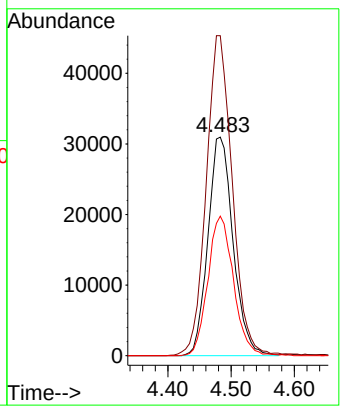


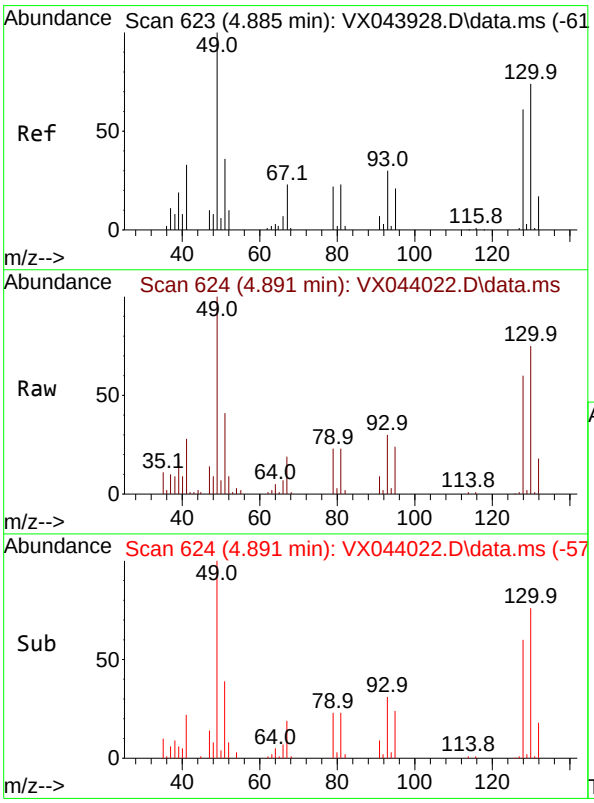
#27
cis-1,2-Dichloroethene
Concen: 44.837 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 85466

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	297.4
98	65.1	0.0	127.8

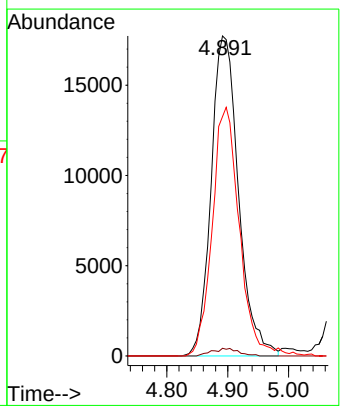


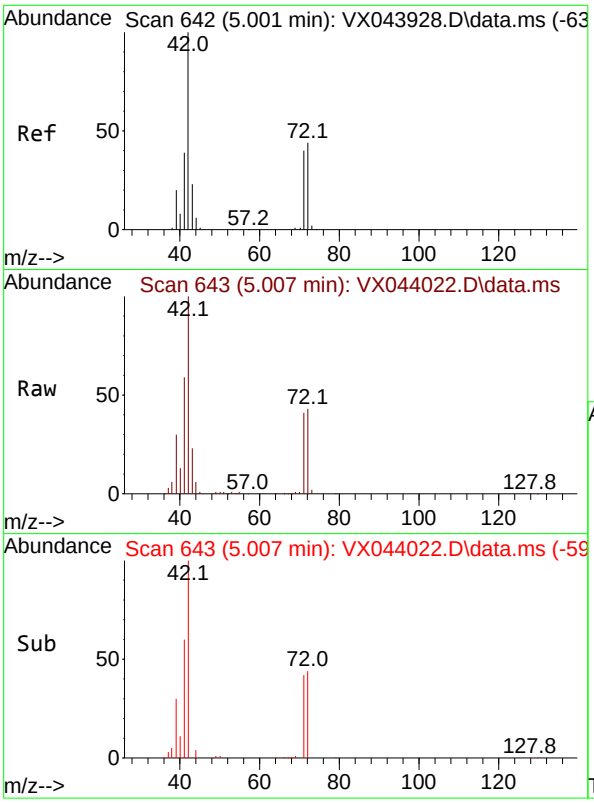


#28
Bromochloromethane
Concen: 41.693 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 49 Resp: 55252

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	77.0	59.0	88.6



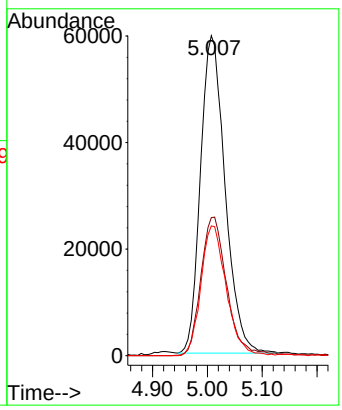


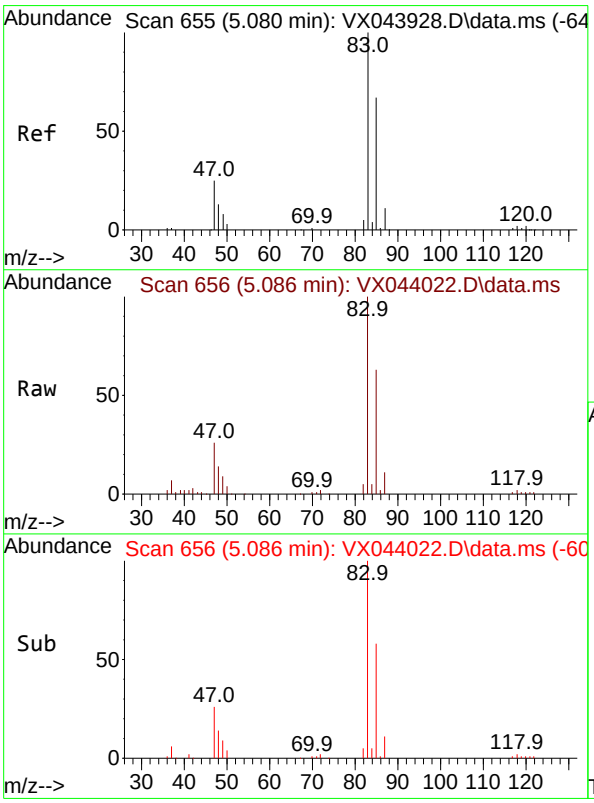
#29
Tetrahydrofuran
Concen: 230.219 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 185959

Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.4	54.6
71	42.0	33.4	50.0

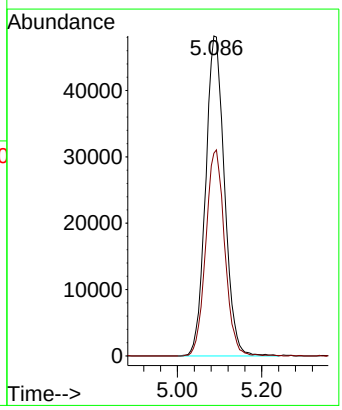


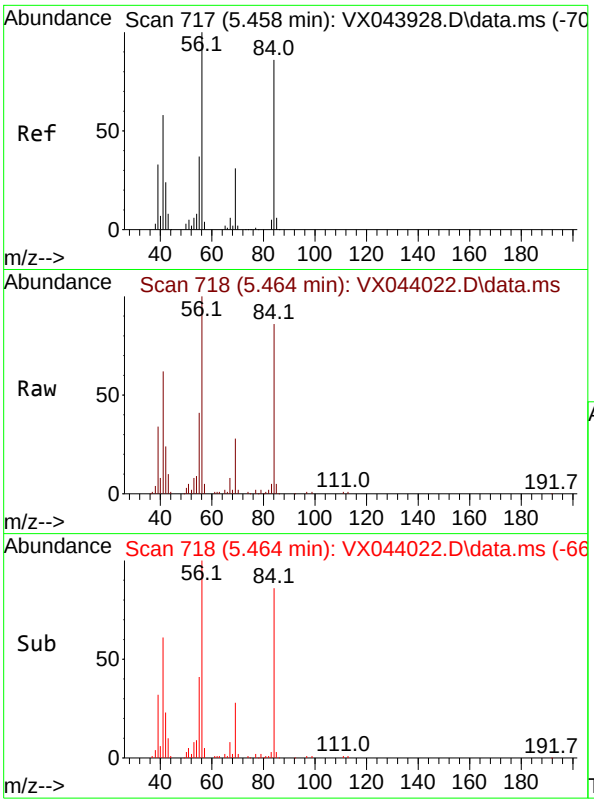


#30
Chloroform
Concen: 46.281 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 83 Resp: 149860

Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.5	80.3



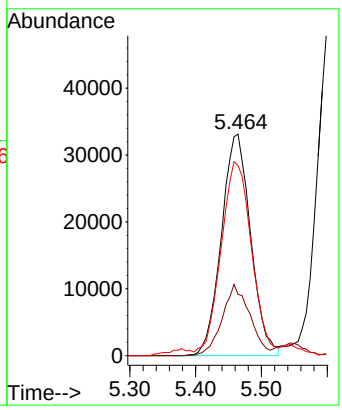


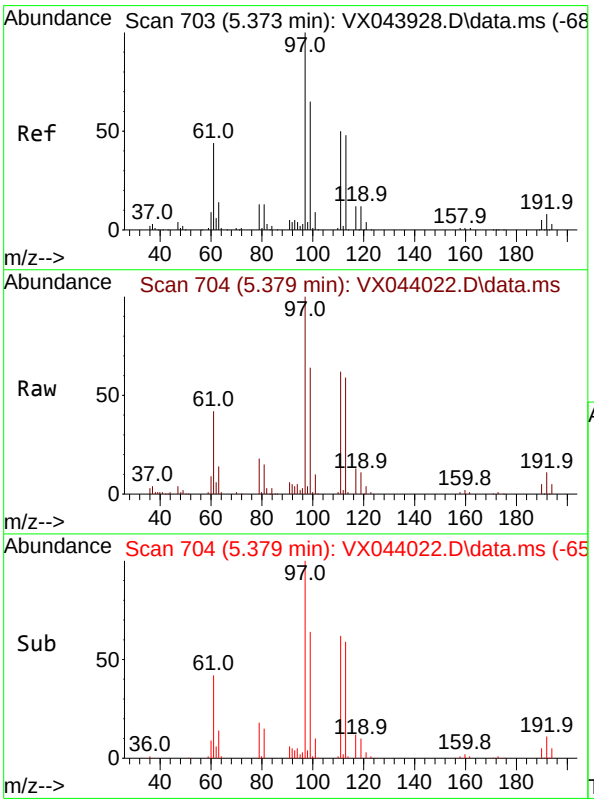
#31
Cyclohexane
Concen: 41.440 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 102682

Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.7	37.1
84	83.3	68.7	103.1

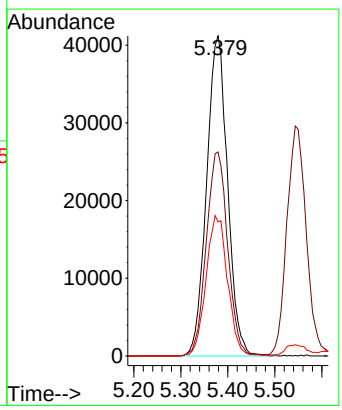


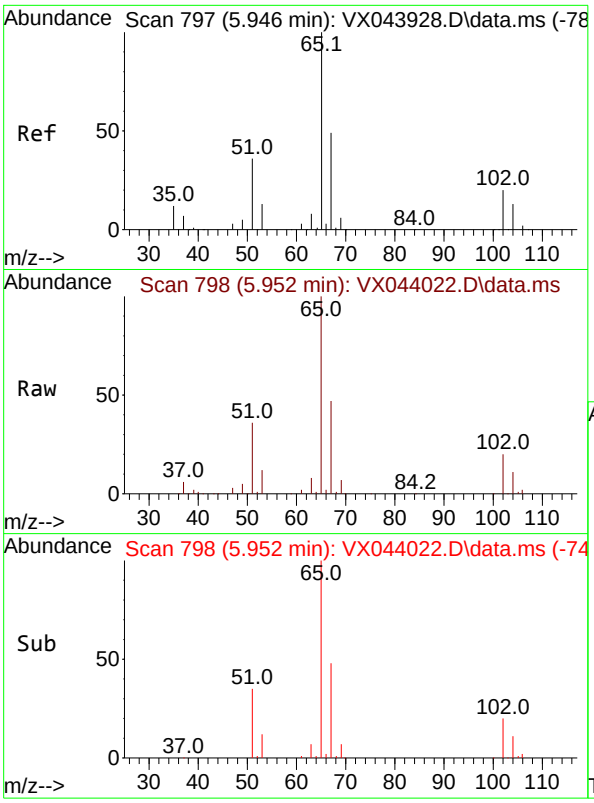


#32
1,1,1-Trichloroethane
Concen: 45.750 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 97 Resp: 127750

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.8	76.2
61	45.0	35.4	53.2



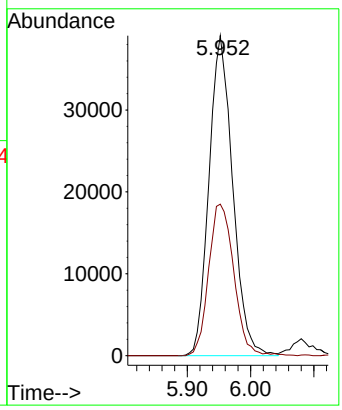


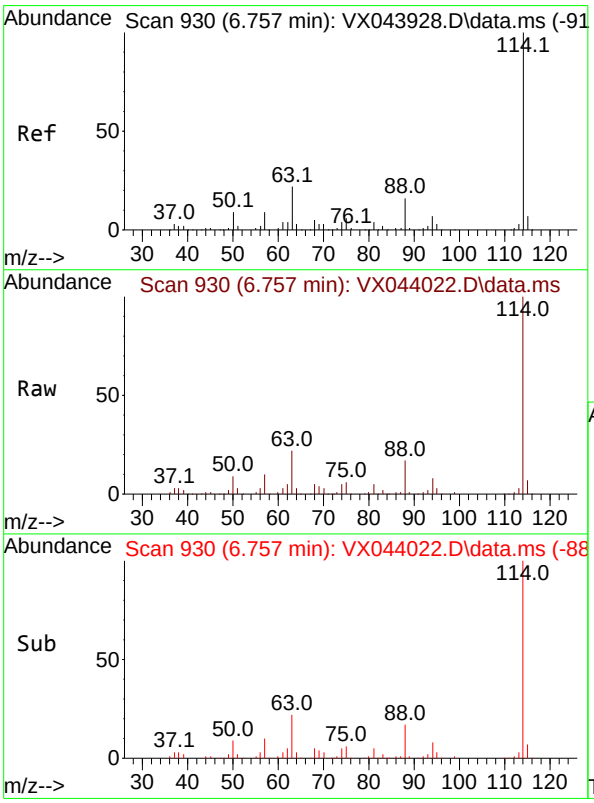
#33
1,2-Dichloroethane-d4
Concen: 45.721 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 101649

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.8

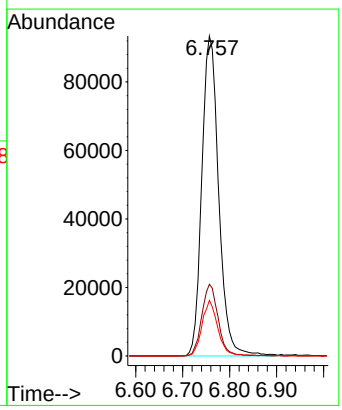


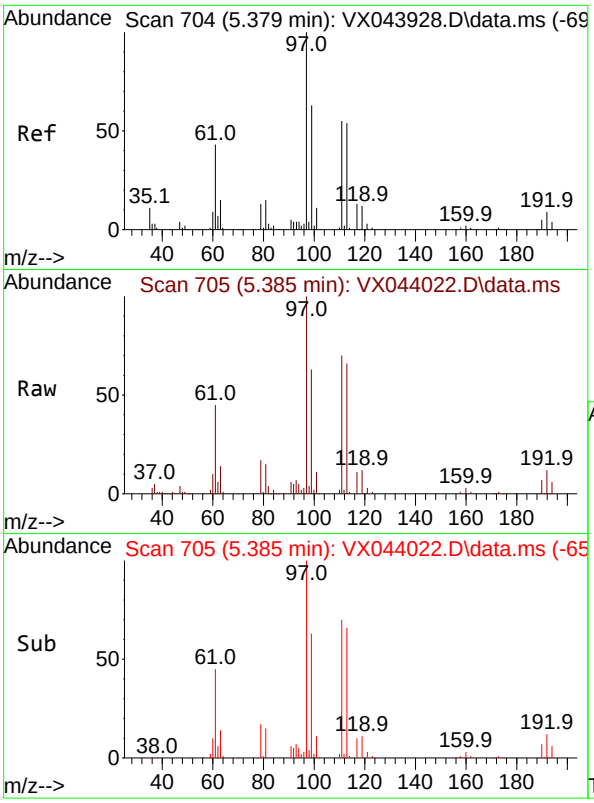


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:114 Resp: 232929

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.4	0.0	32.4



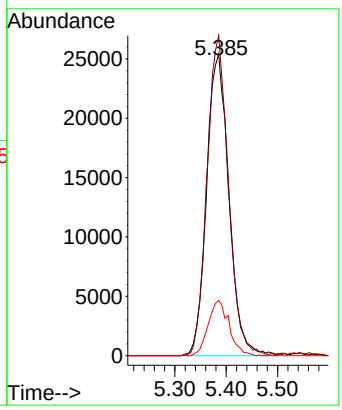


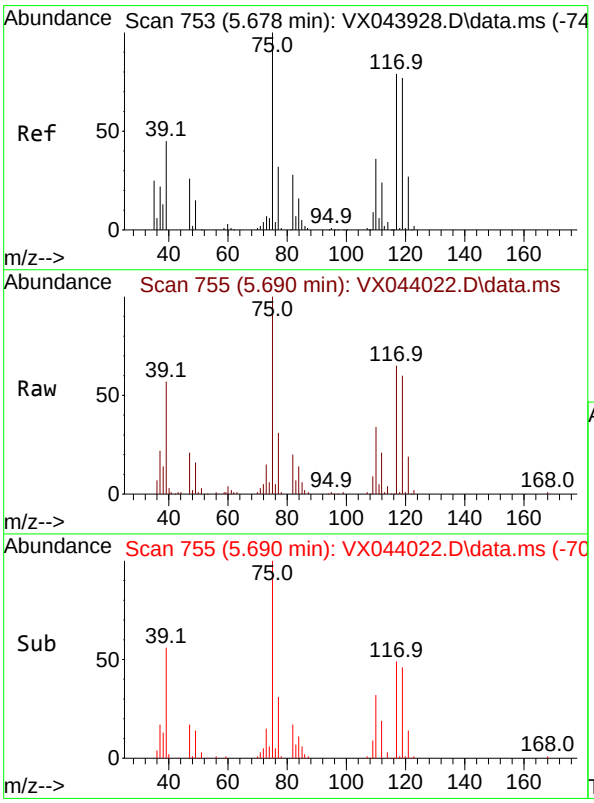
#35
Dibromofluoromethane
Concen: 46.085 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 76704

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	17.2	13.0	19.6

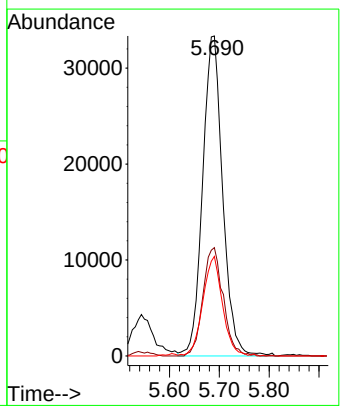


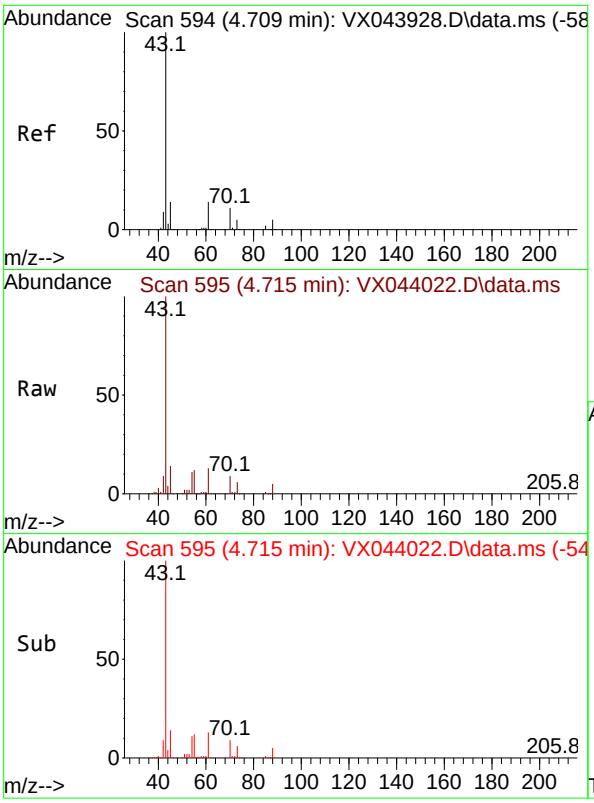


#36
1,1-Dichloropropene
Concen: 44.899 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 93123

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.4	52.2
77	30.5	25.8	38.8



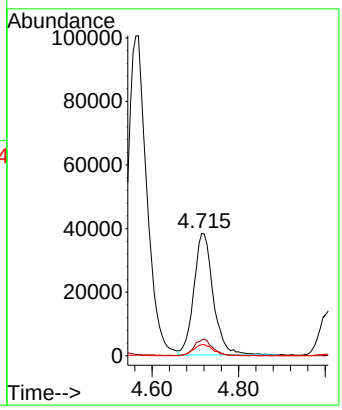


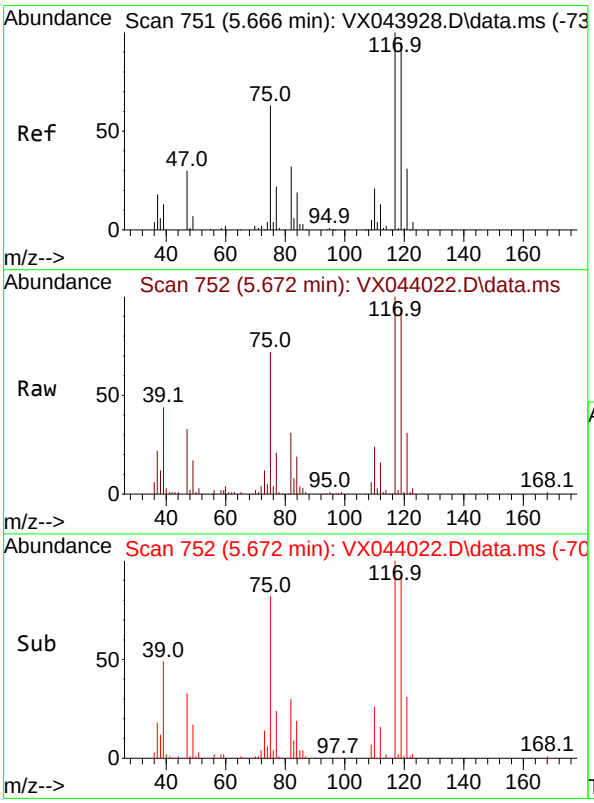
#37
Ethyl Acetate
Concen: 46.163 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 118849

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.3	8.0	12.0

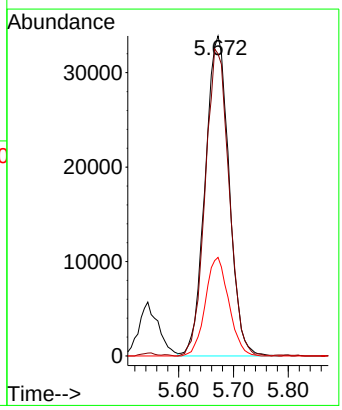


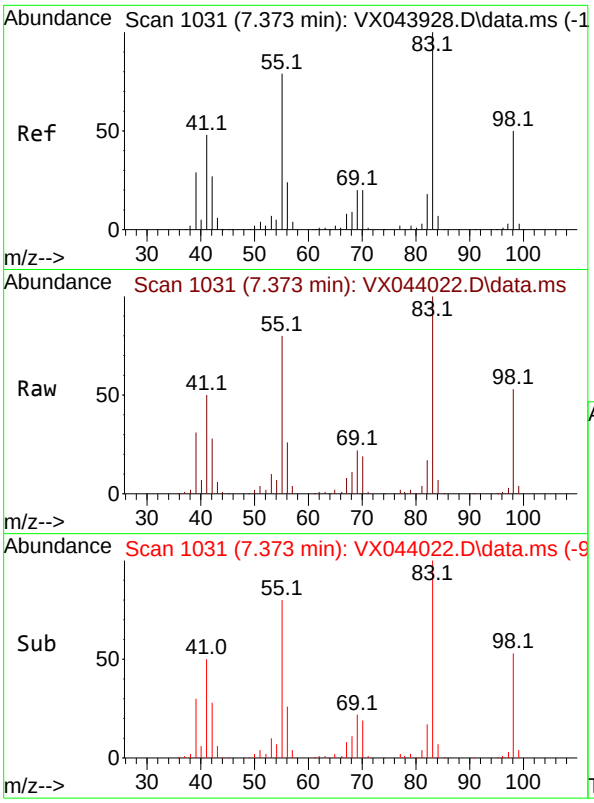


#38
Carbon Tetrachloride
Concen: 44.128 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:117 Resp: 102840

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.2	112.8
121	30.8	24.5	36.7



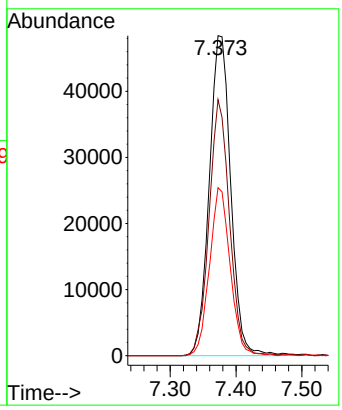


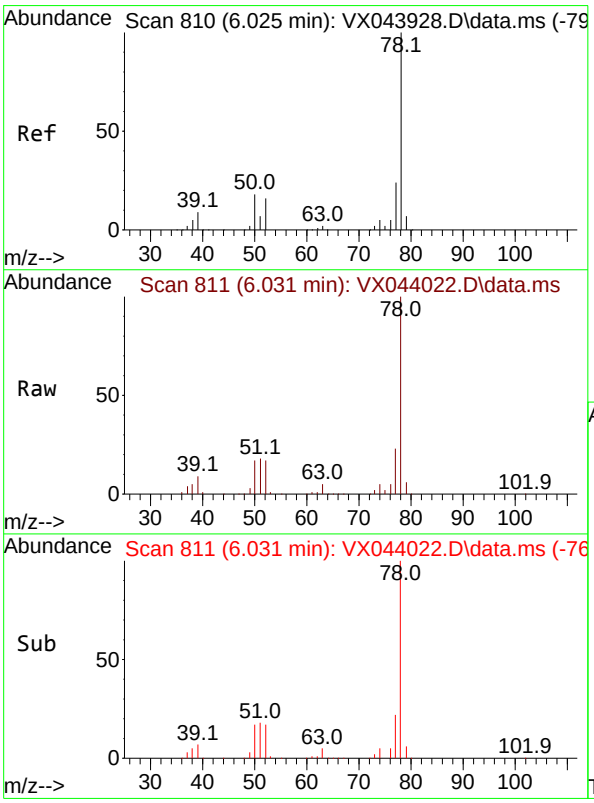
#39
Methylcyclohexane
Concen: 40.771 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 109854

Ion	Ratio	Lower	Upper
83	100		
55	80.0	63.1	94.7
98	52.5	40.0	60.0

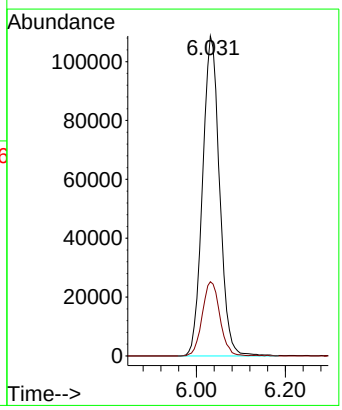


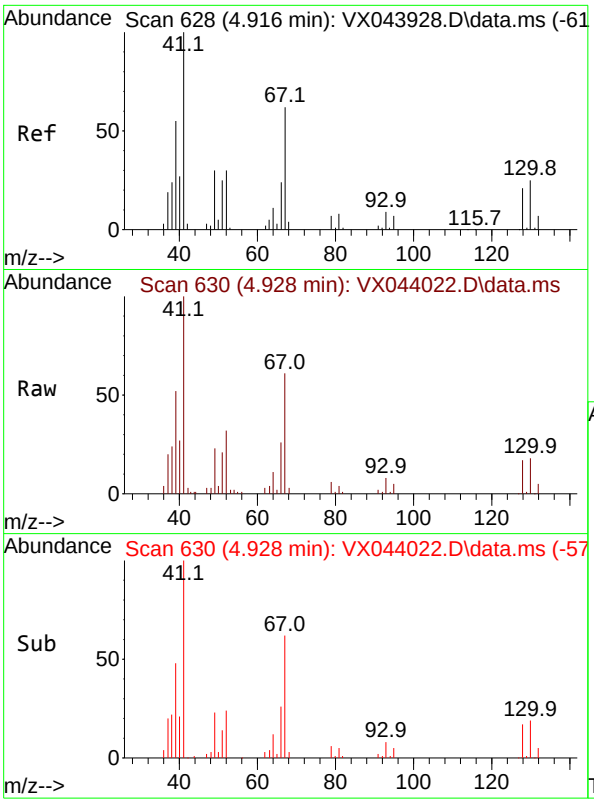


#40
Benzene
Concen: 44.870 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 78 Resp: 289884

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8



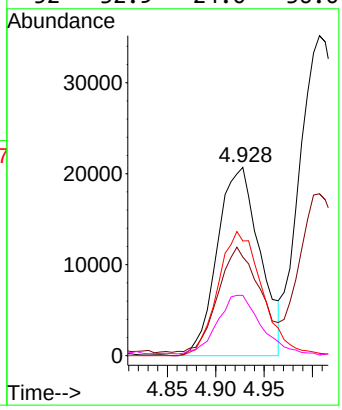


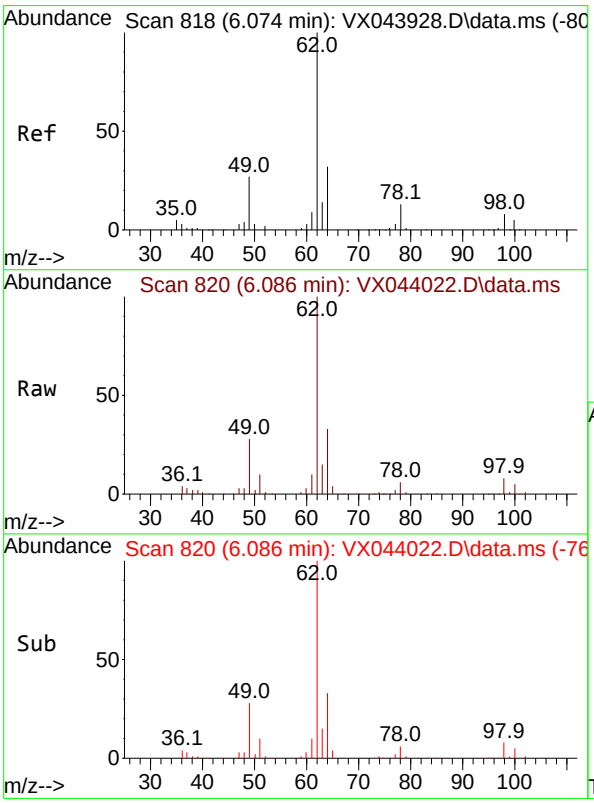
#41
Methacrylonitrile
Concen: 48.072 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 63345

Ion	Ratio	Lower	Upper
41	100		
39	54.8	41.7	62.5
67	68.7	55.8	83.8
52	32.9	24.0	36.0

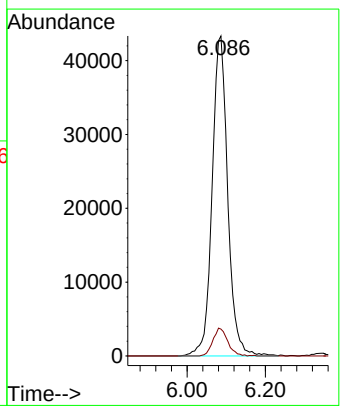


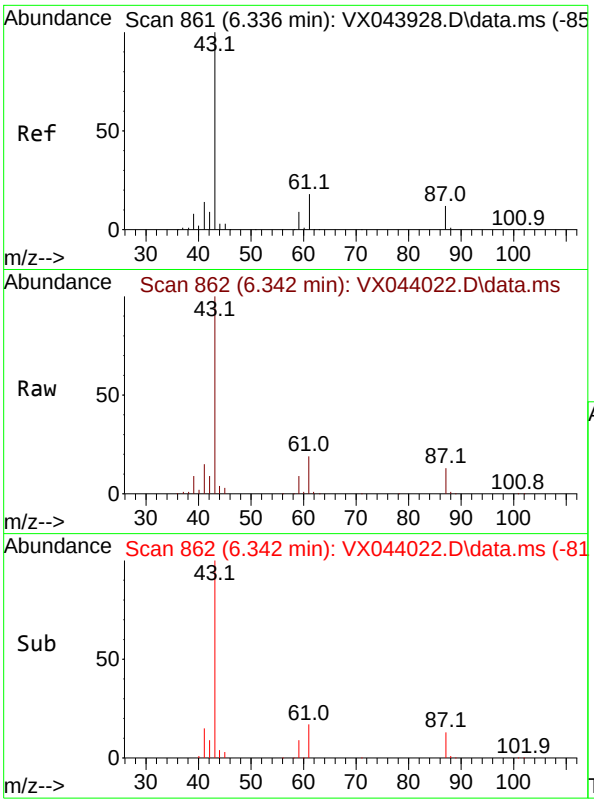


#42
1,2-Dichloroethane
Concen: 46.148 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 62 Resp: 119738

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



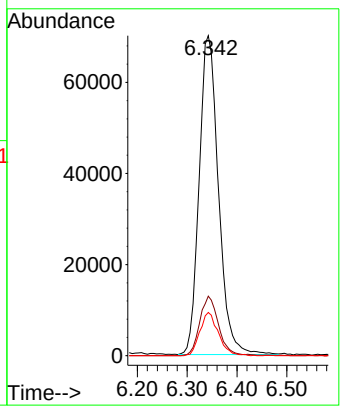


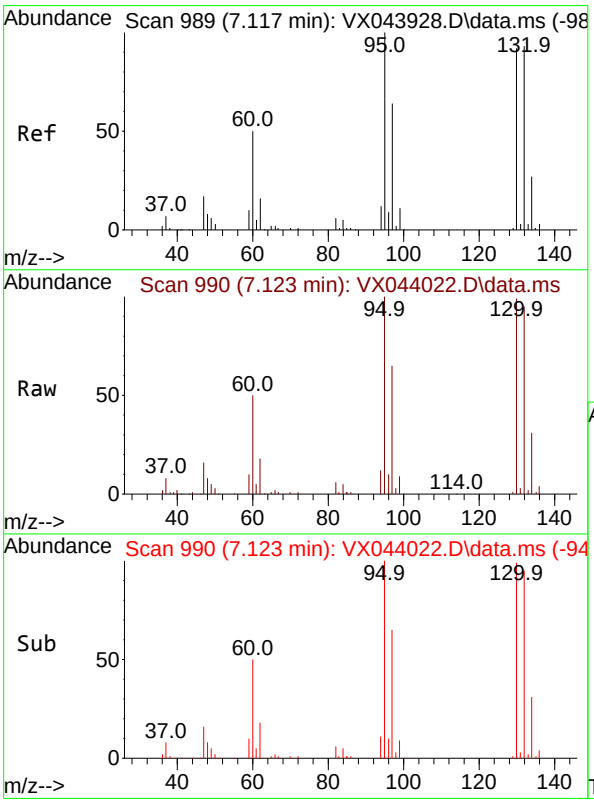
#43
Isopropyl Acetate
Concen: 45.956 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 188292

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.5	21.7
87	13.0	10.2	15.2

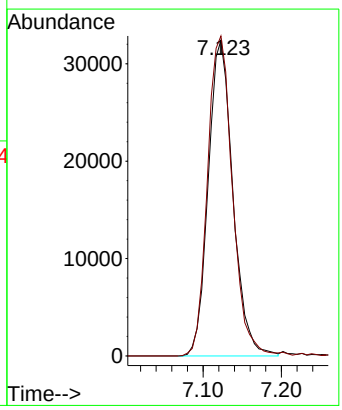


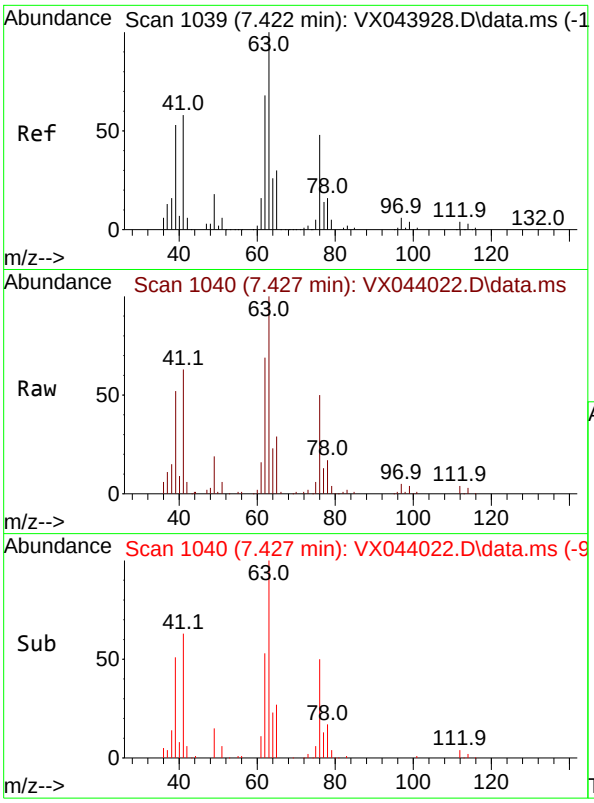


#44
Trichloroethene
Concen: 38.741 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:130 Resp: 70853

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	217.8



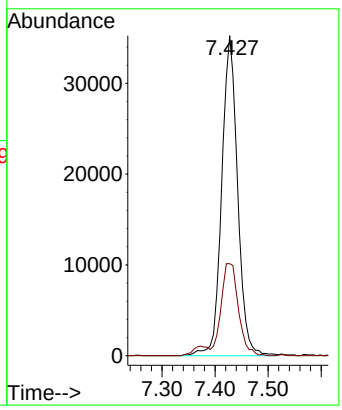


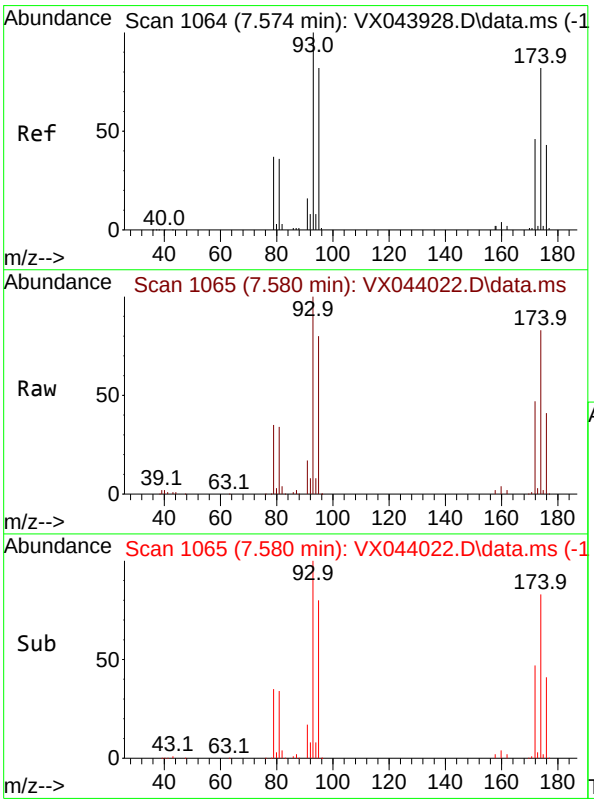
#45
1,2-Dichloropropane
Concen: 46.363 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 73361

Ion	Ratio	Lower	Upper
63	100		
65	28.8	23.8	35.6

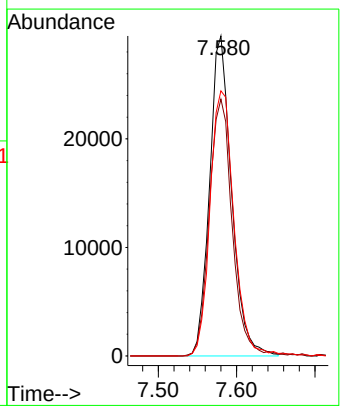


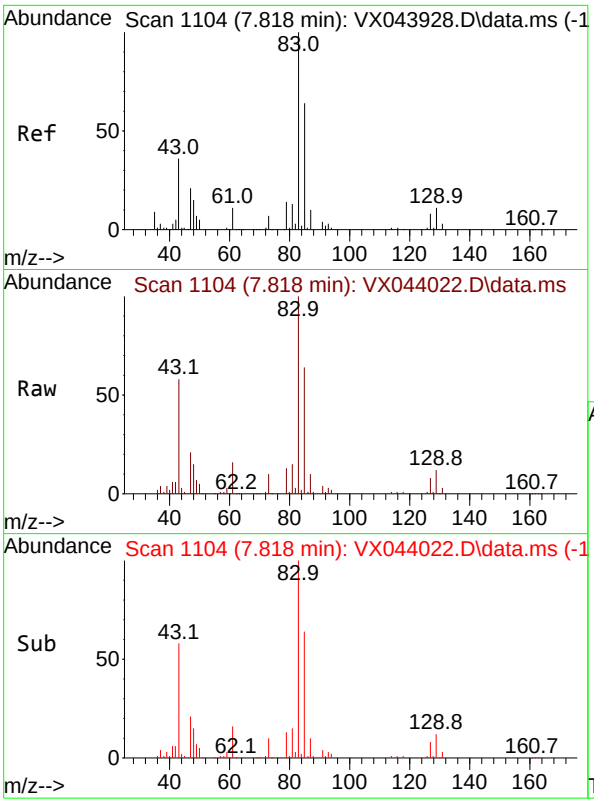


#46
Dibromomethane
Concen: 46.080 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 93 Resp: 57678

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	90.1	69.6	104.4



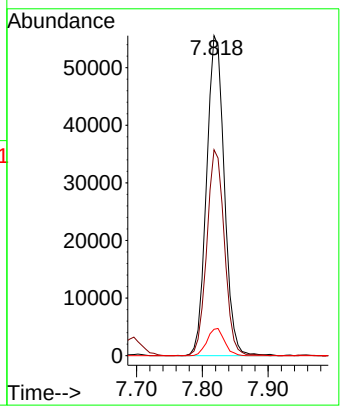


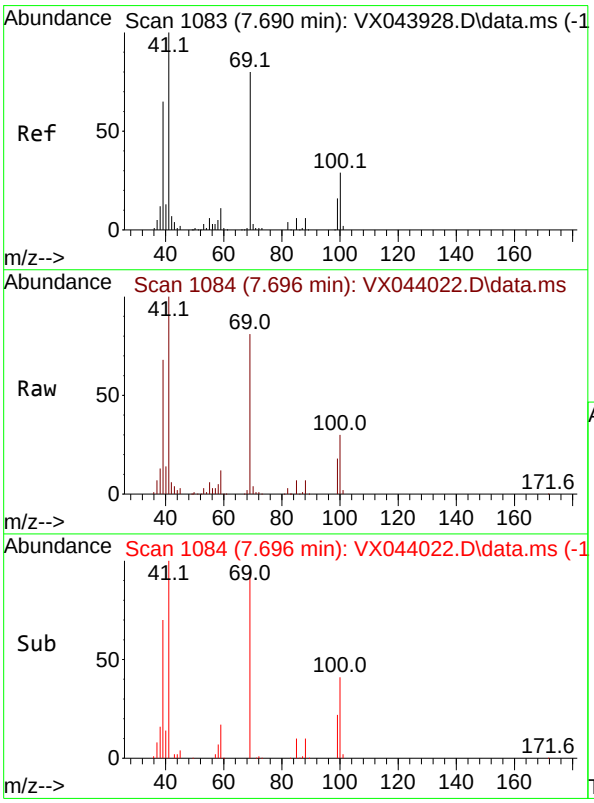
#47
Bromodichloromethane
Concen: 46.539 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 104474

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0
127	8.2	6.6	10.0

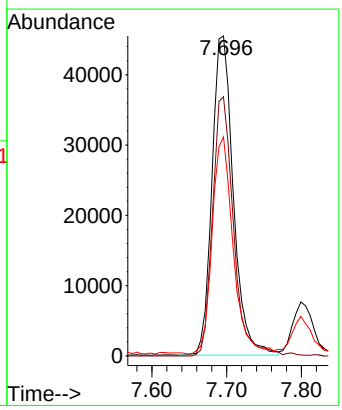


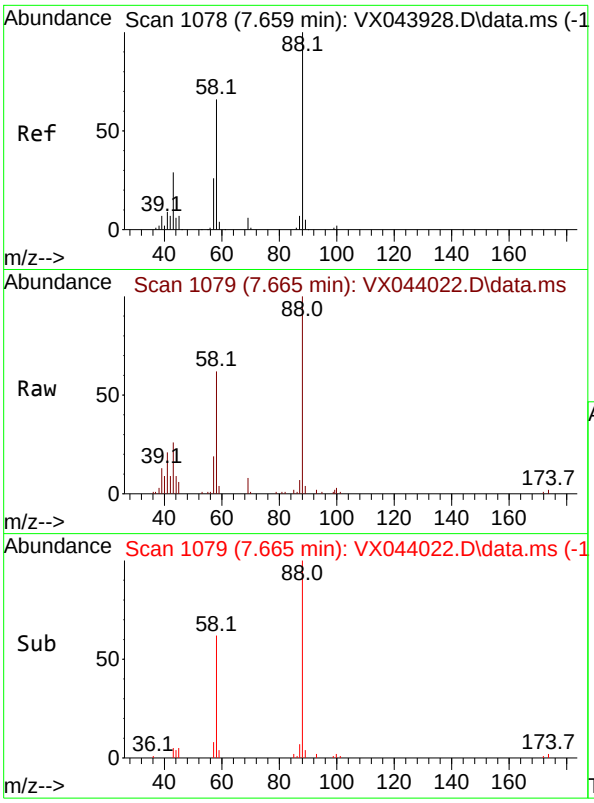


#48
Methyl methacrylate
Concen: 46.007 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 41 Resp: 90452

Ion	Ratio	Lower	Upper
41	100		
69	79.2	64.6	97.0
39	66.5	53.3	79.9



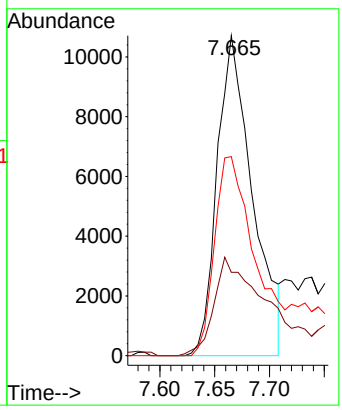


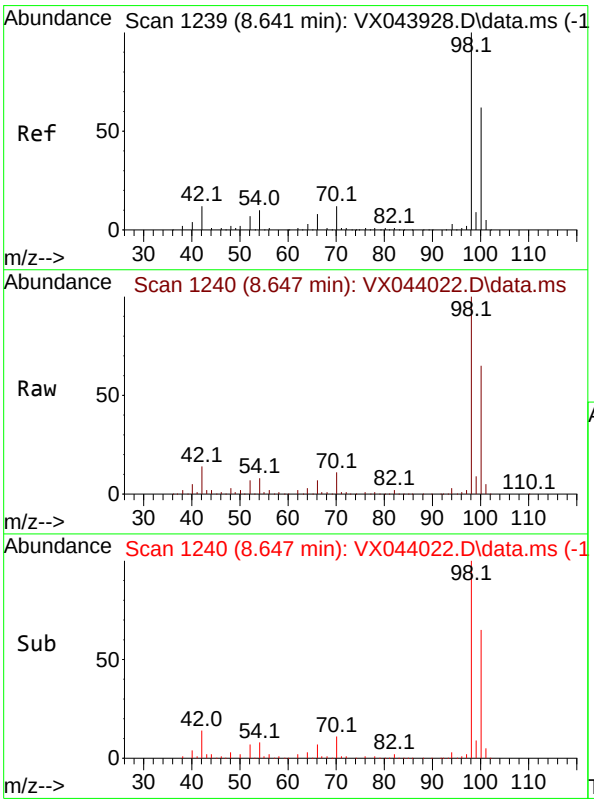
#49
1,4-Dioxane
Concen: 688.902 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24126

Ion	Ratio	Lower	Upper
88	100		
43	45.9	26.8	40.2#
58	71.6	45.4	68.2#

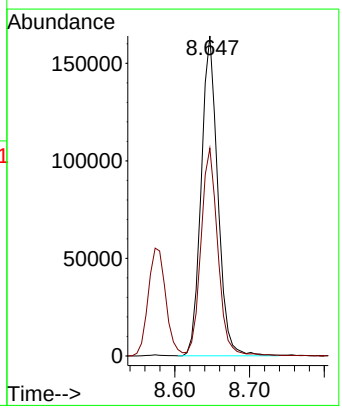


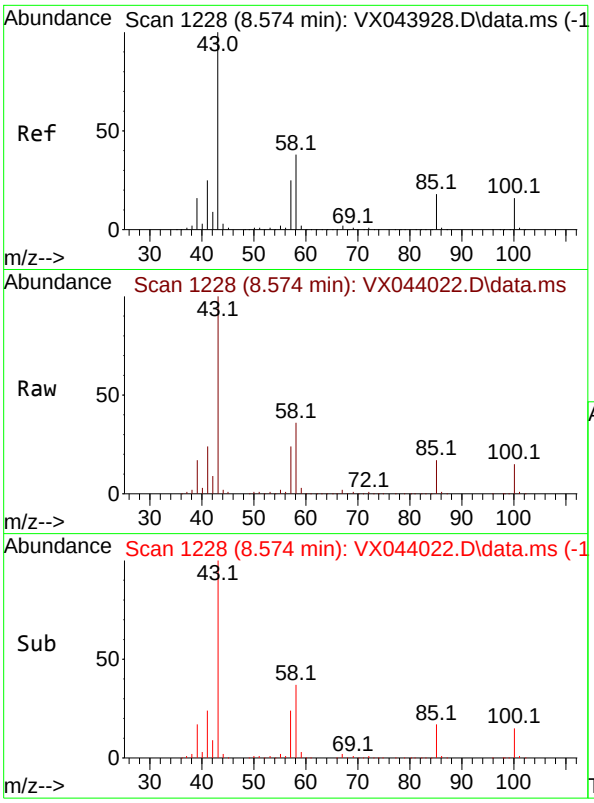


#50
Toluene-d8
Concen: 44.028 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 98 Resp: 252602

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	79.0



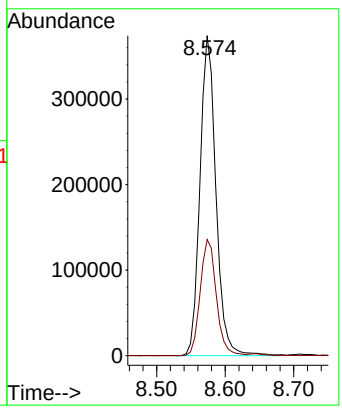


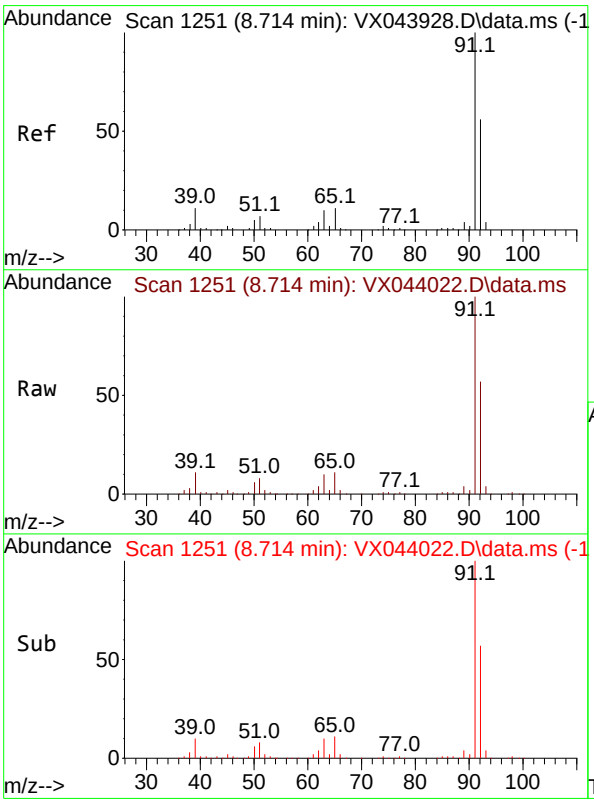
#51
4-Methyl-2-Pentanone
Concen: 242.496 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 606325

Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.0	45.0

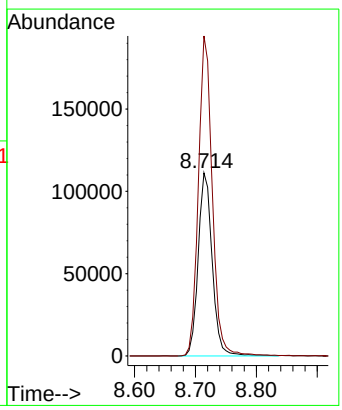


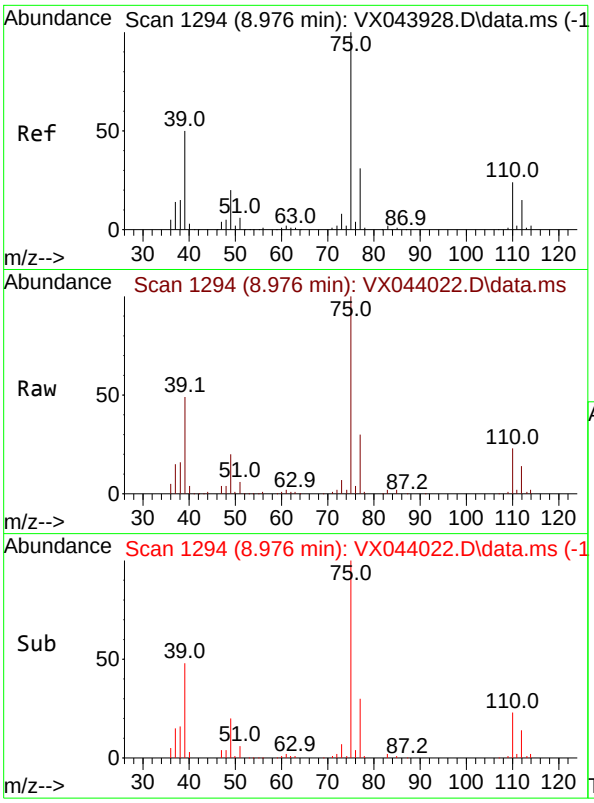


#52
Toluene
Concen: 45.970 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 92 Resp: 177758

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.7	209.5



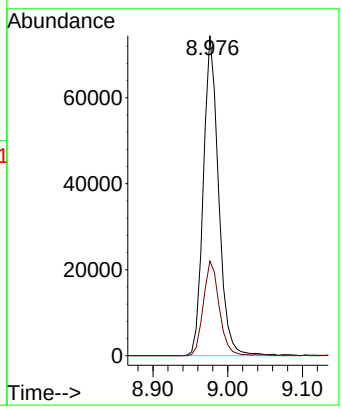


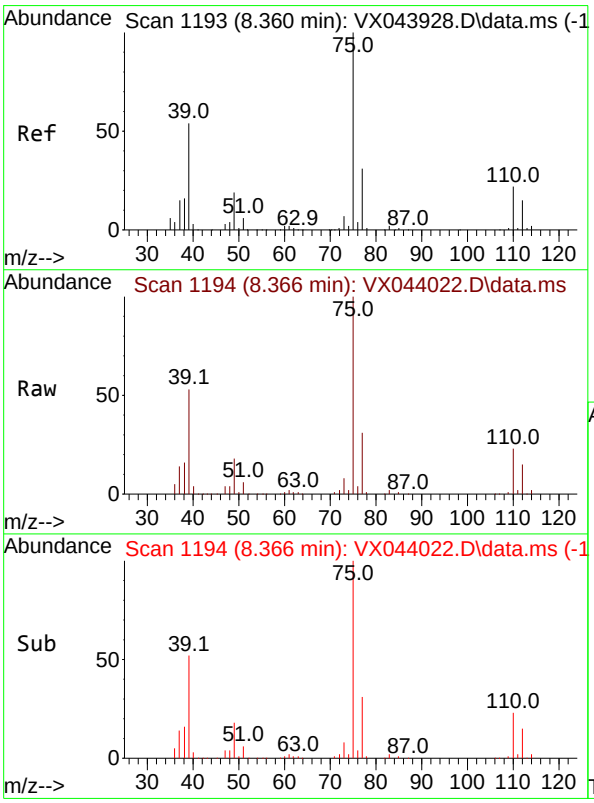
#53
t-1,3-Dichloropropene
Concen: 45.983 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 105266

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.1	37.7

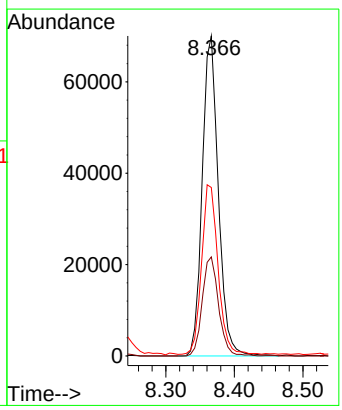


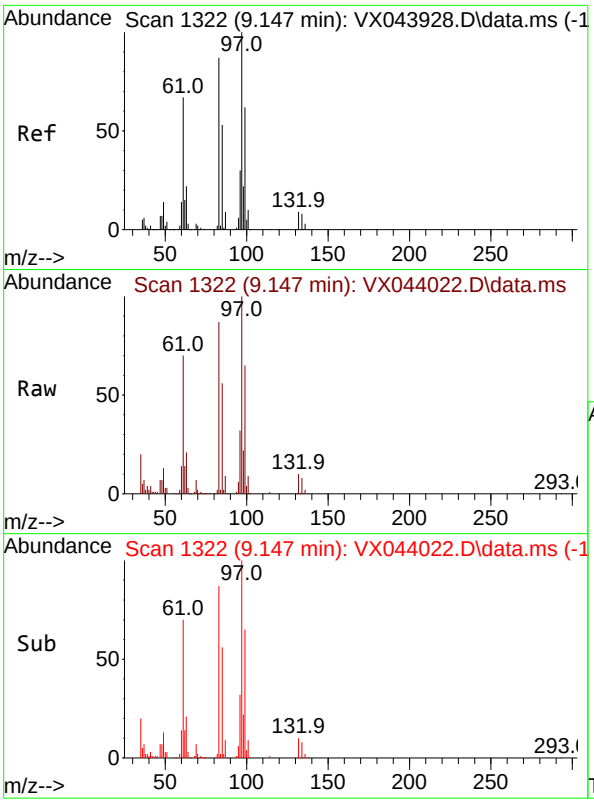


#54
cis-1,3-Dichloropropene
Concen: 45.674 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 114622

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	52.1	43.1	64.7



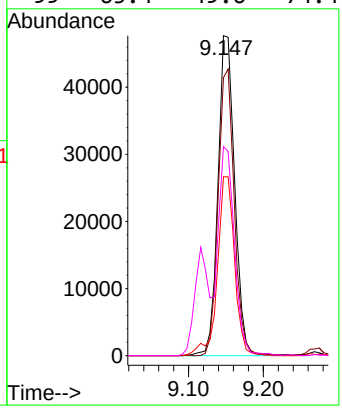


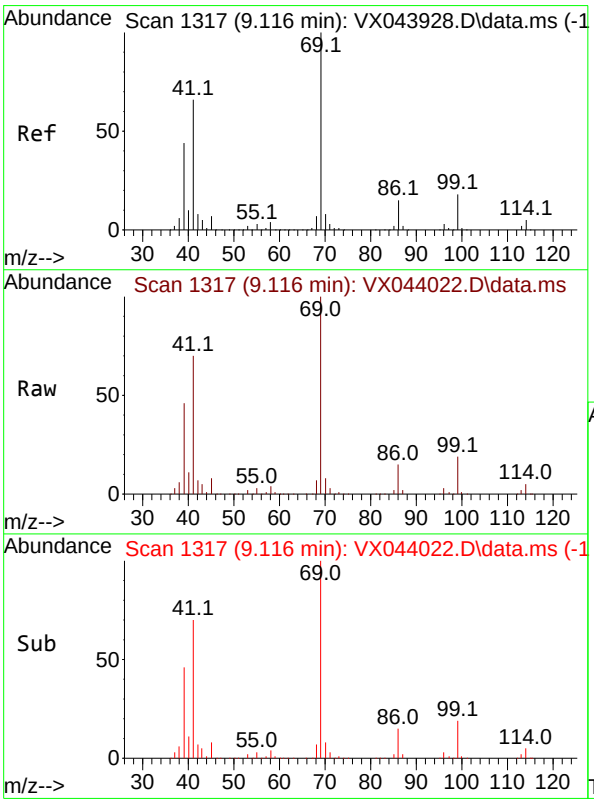
#55
1,1,2-Trichloroethane
Concen: 46.503 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 74228

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.0
85	55.9	42.3	63.5
99	65.4	49.6	74.4

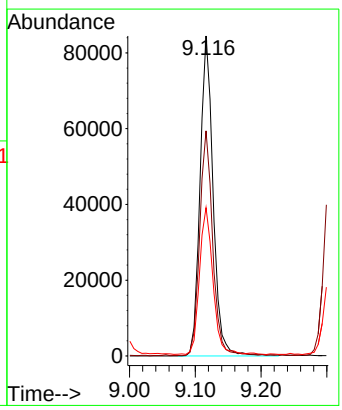


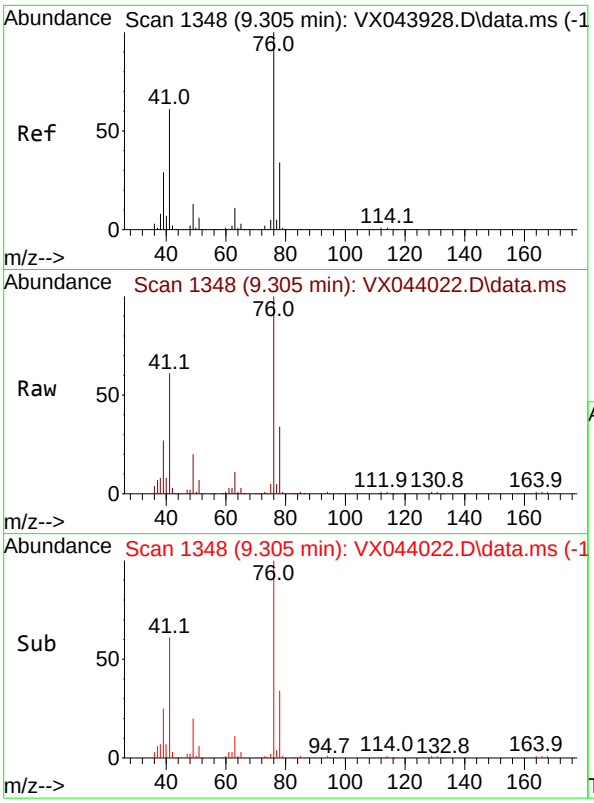


#56
Ethyl methacrylate
Concen: 46.987 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 69 Resp: 116819

Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	46.5	36.7	55.1



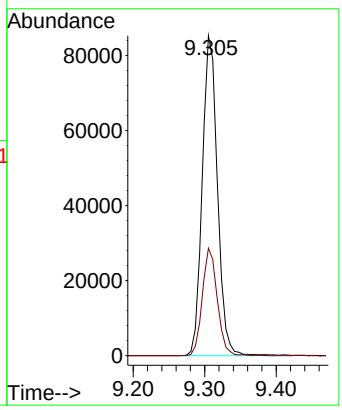


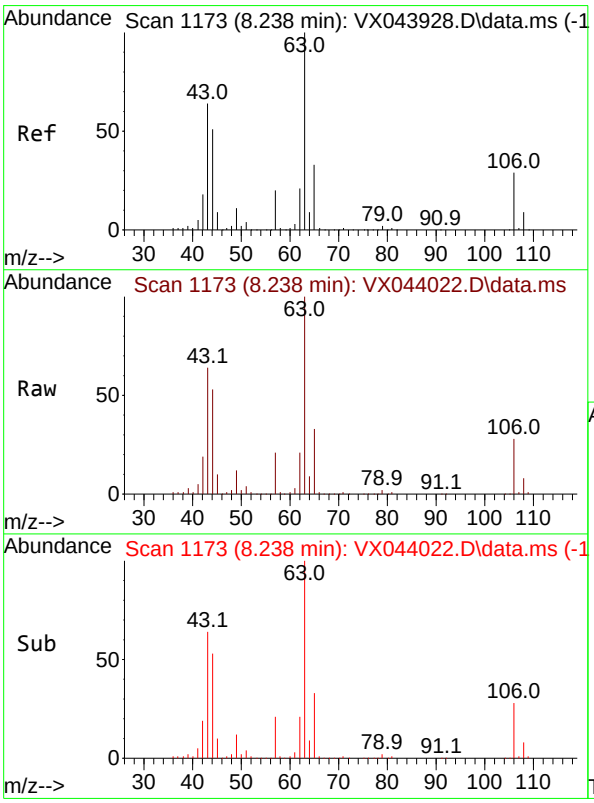
#57
1,3-Dichloropropane
Concen: 46.788 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 125806

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0

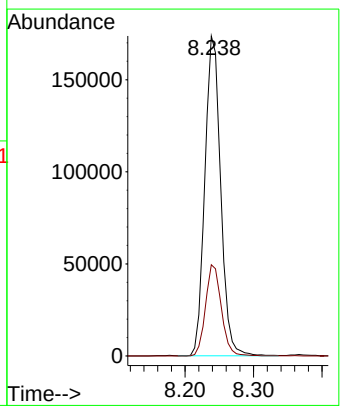


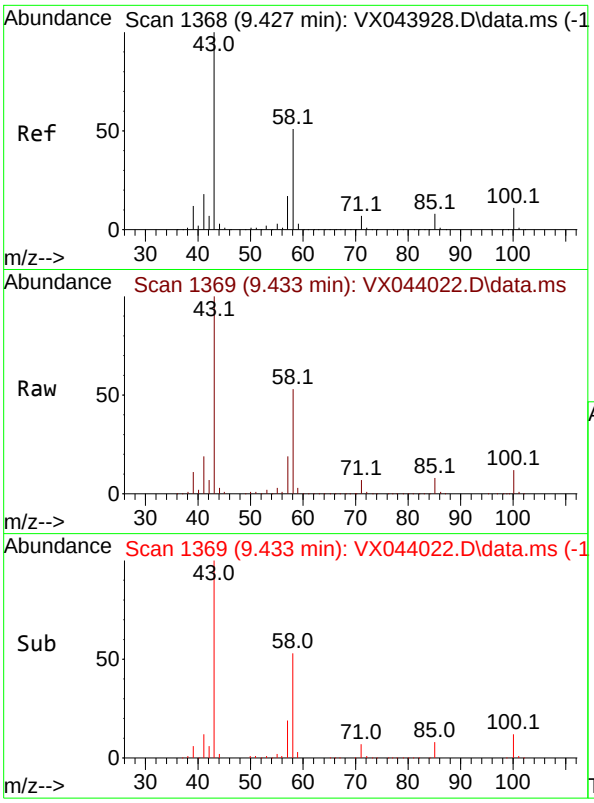


#58
2-Chloroethyl Vinyl ether
Concen: 204.586 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 63 Resp: 279354

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6



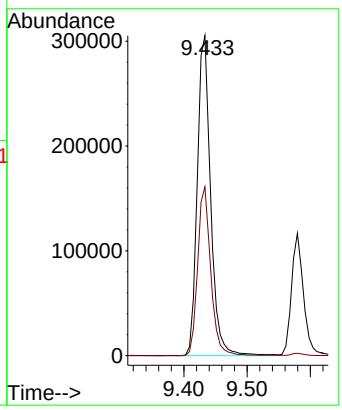


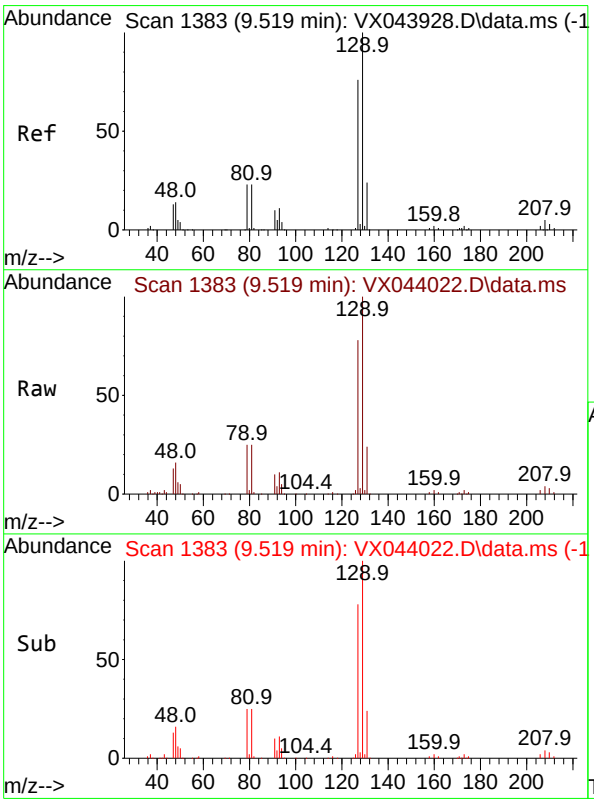
#59
2-Hexanone
Concen: 238.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 449056

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

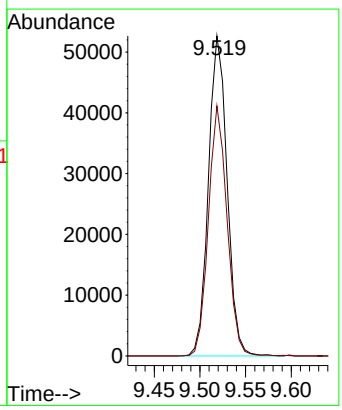


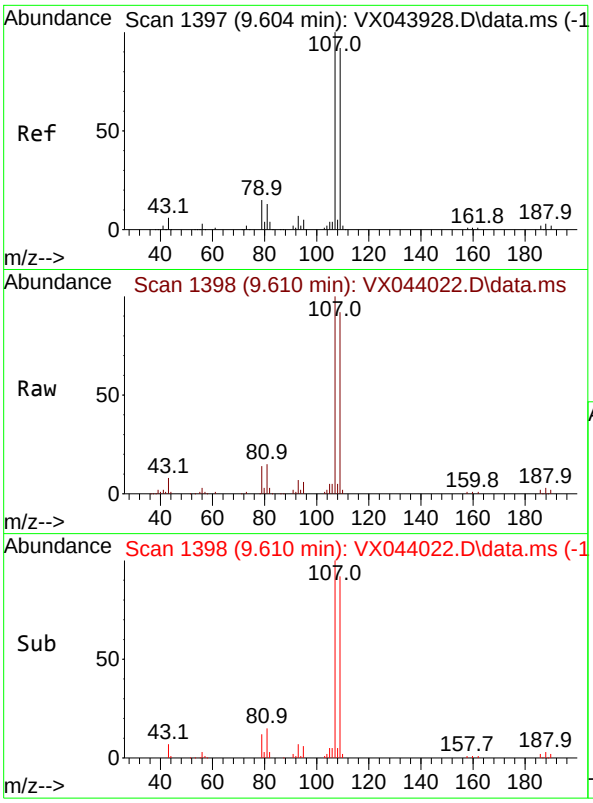


#60
Dibromochloromethane
Concen: 46.621 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:129 Resp: 74665

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.2	114.6



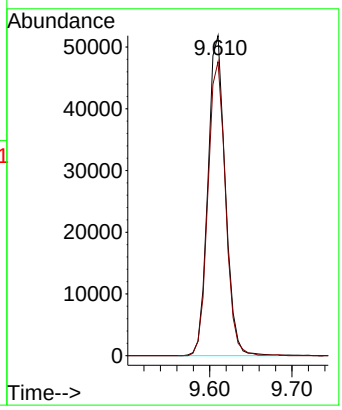


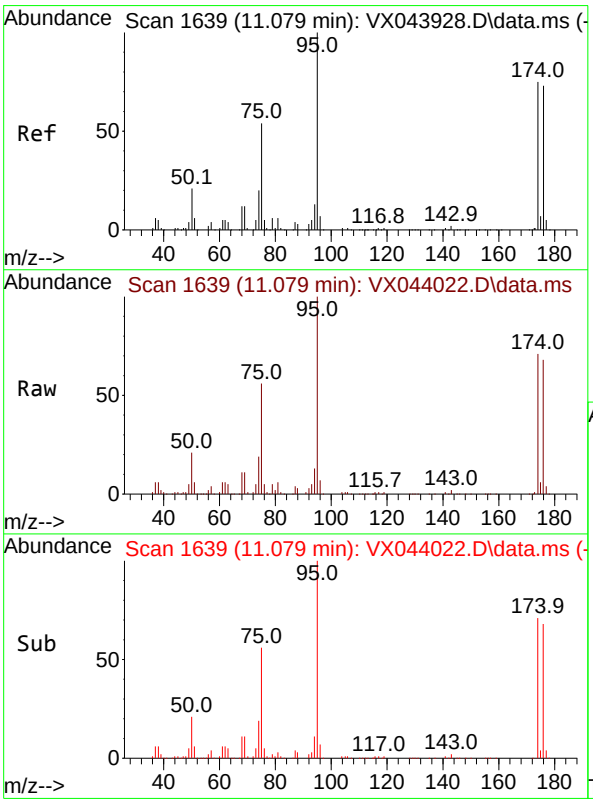
#61
1,2-Dibromoethane
Concen: 47.112 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 76038

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.2	112.8

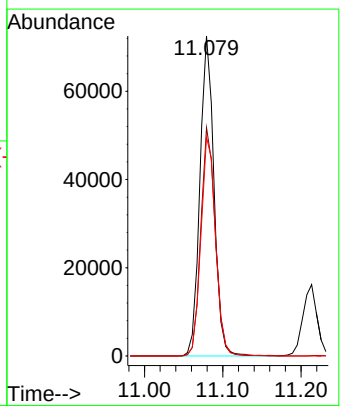


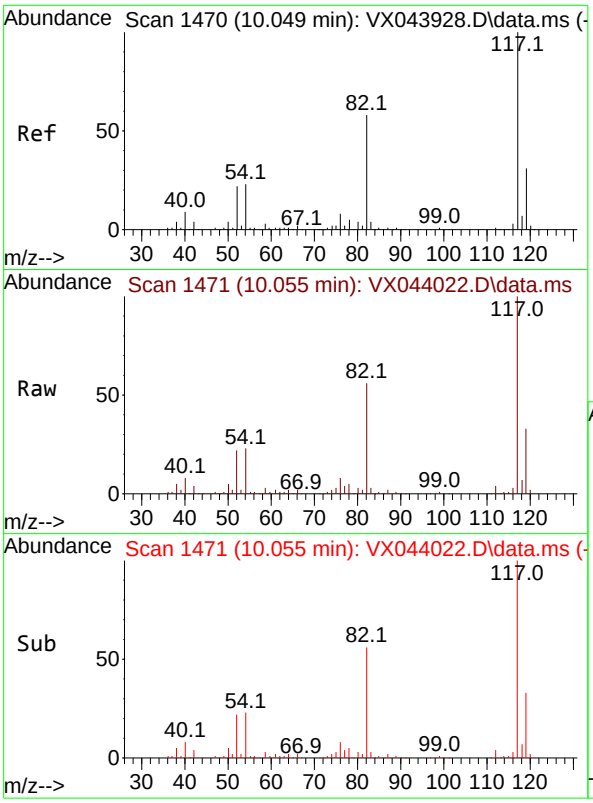


#62
4-Bromofluorobenzene
Concen: 46.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 95 Resp: 90209

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	150.4
176	71.5	0.0	146.0



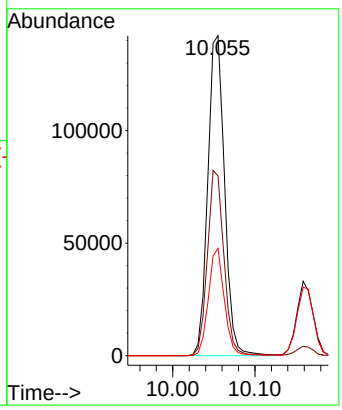


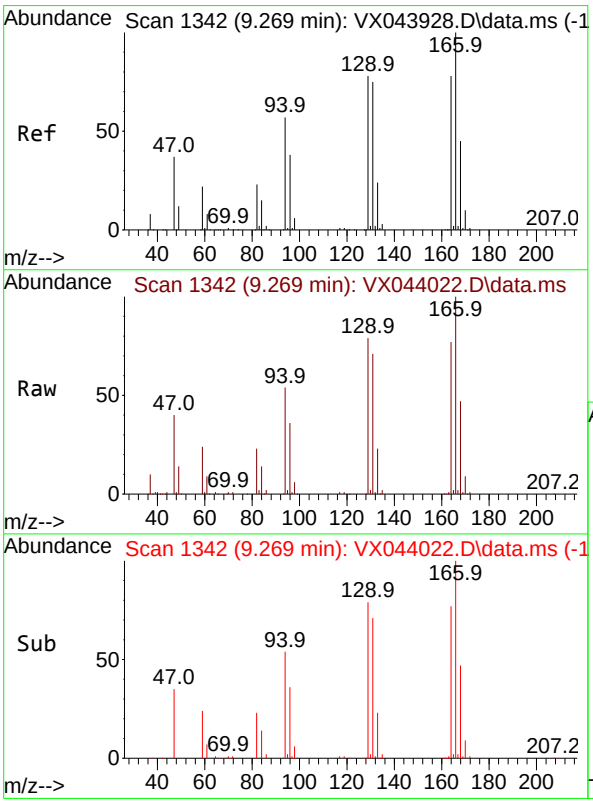
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 201501

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.4	69.6
119	33.5	24.6	37.0

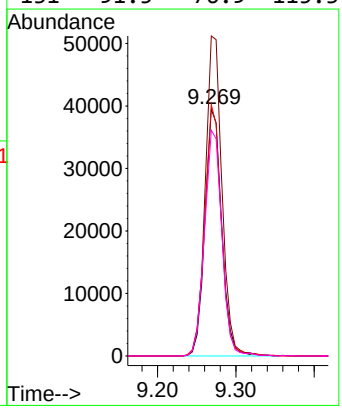


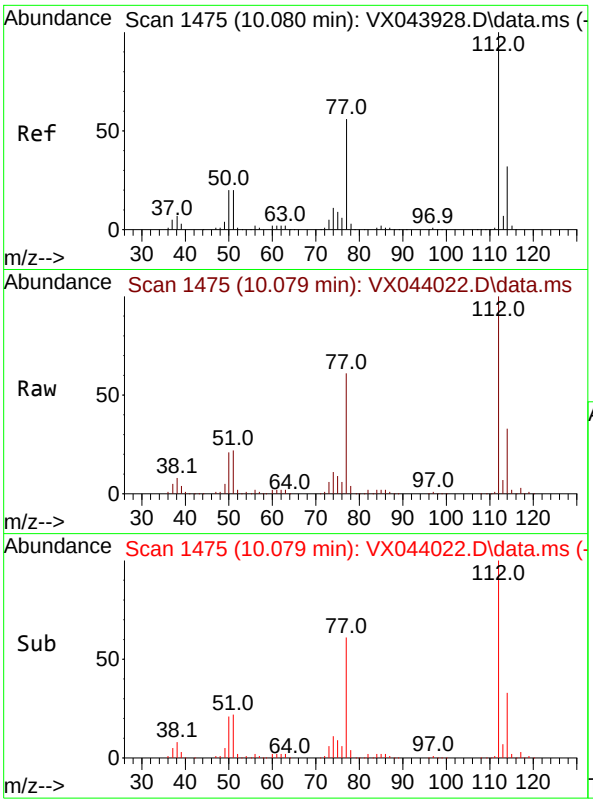


#64
Tetrachloroethene
Concen: 44.283 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:164 Resp: 58837

Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.1	153.1
129	101.8	79.6	119.4
131	91.5	76.9	115.3



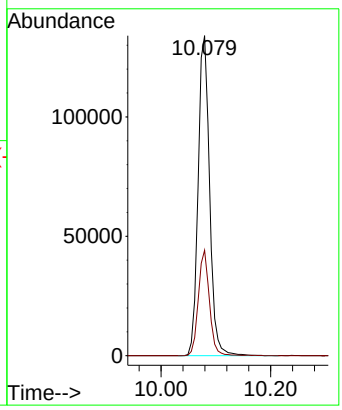


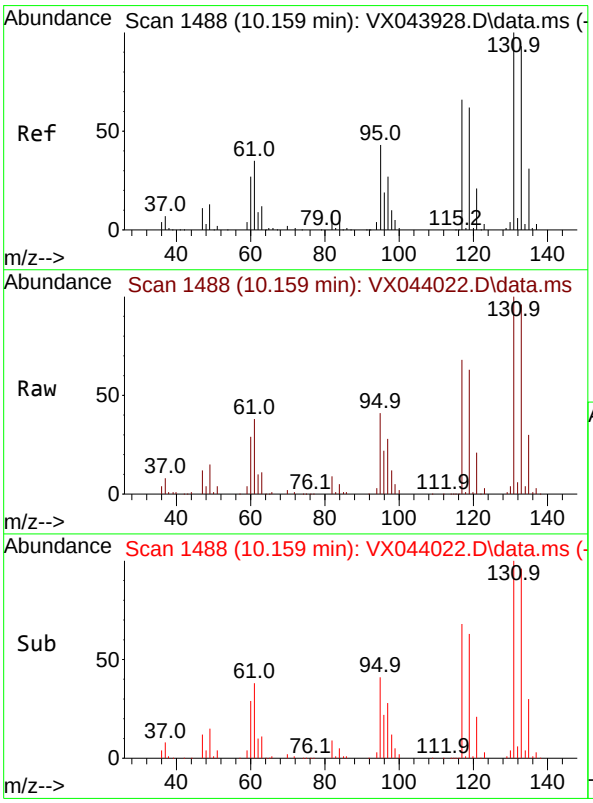
#65
Chlorobenzene
Concen: 44.078 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 195068

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.0

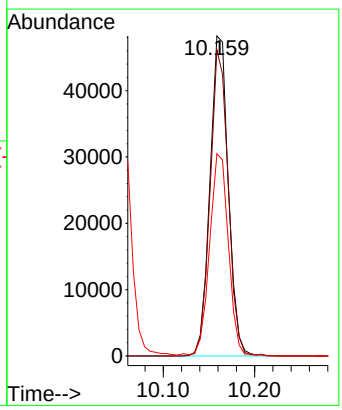


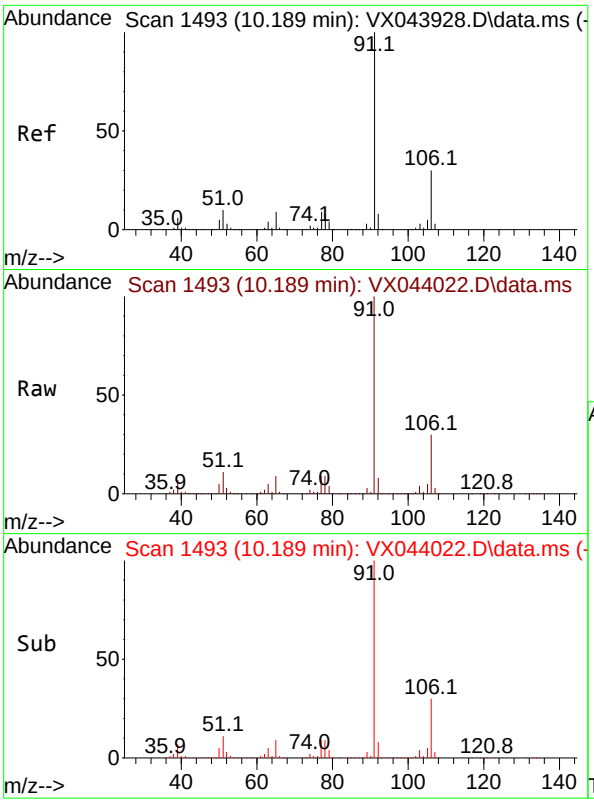


#66
1,1,1,2-Tetrachloroethane
Concen: 46.975 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:131 Resp: 67421

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.2	144.6
119	64.9	31.5	94.5



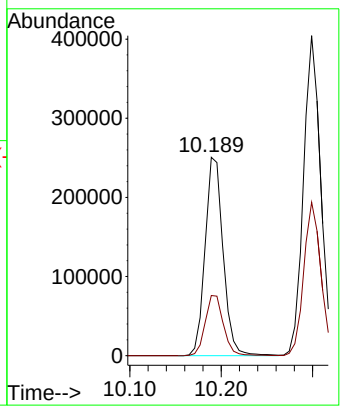


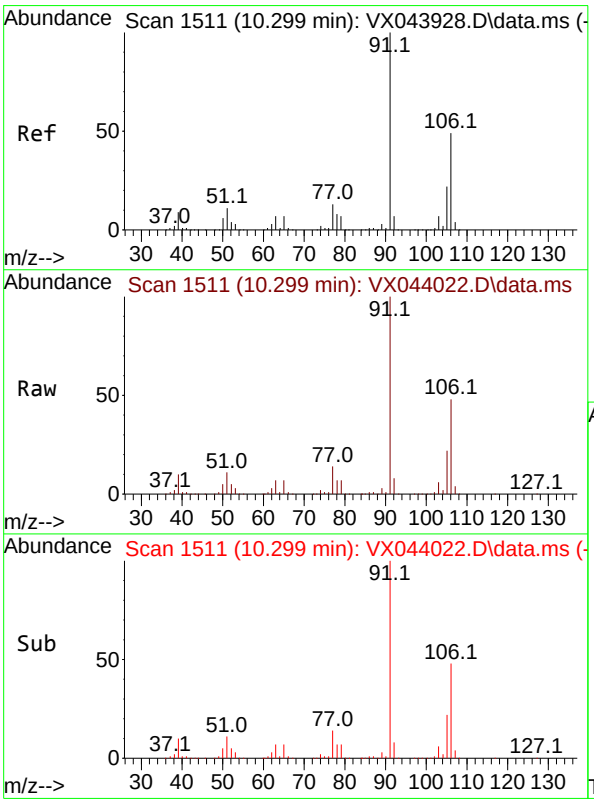
#67
Ethyl Benzene
Concen: 45.714 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 342810

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4

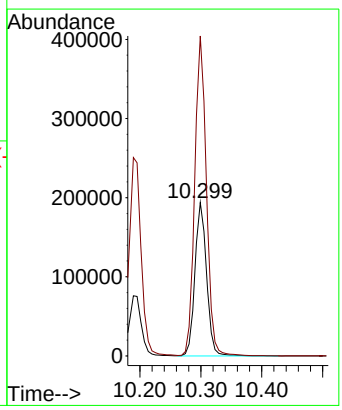


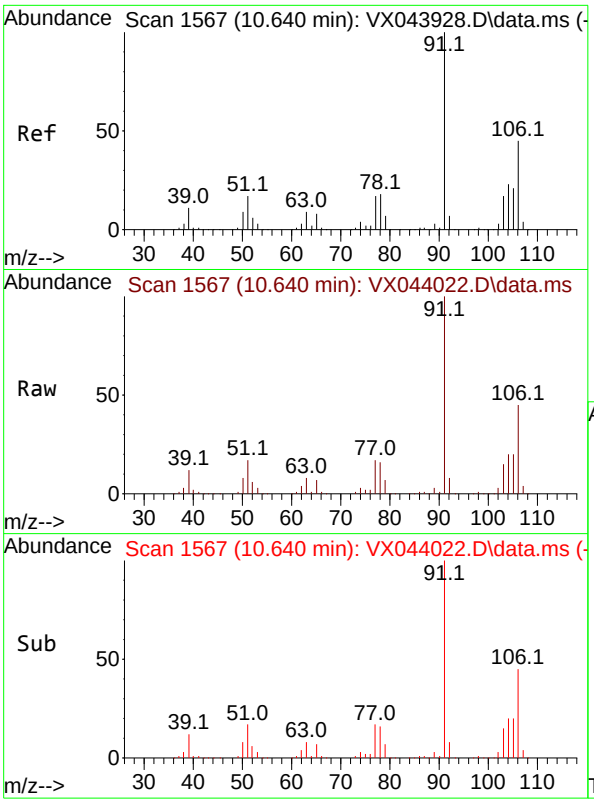


#68
m/p-Xylenes
Concen: 91.591 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:106 Resp: 256139

Ion	Ratio	Lower	Upper
106	100		
91	210.1	168.1	252.1



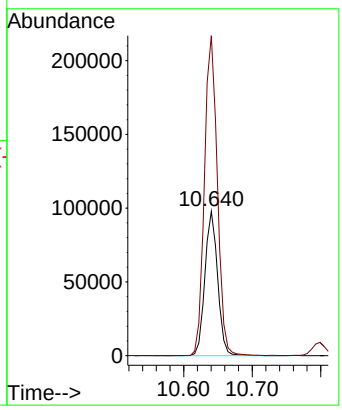


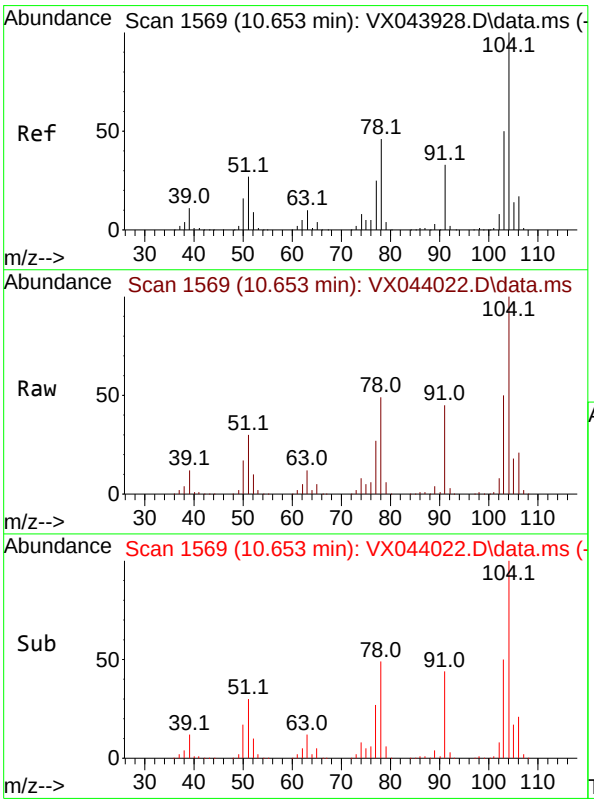
#69
o-Xylene
Concen: 46.288 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 126387

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.2	330.6

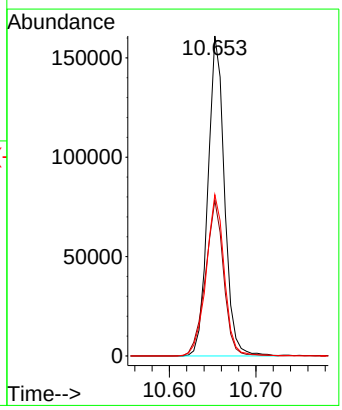


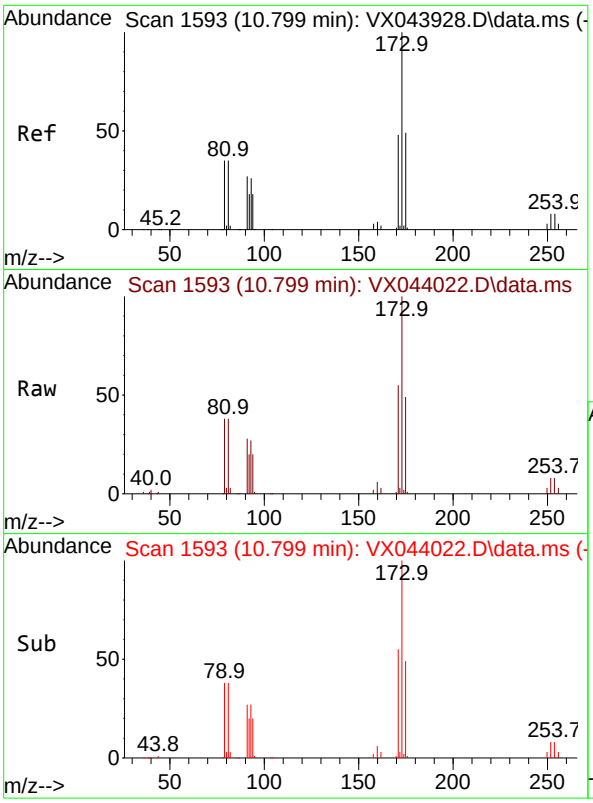


#70
Styrene
Concen: 47.303 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:104 Resp: 213625

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.2
103	55.3	44.7	67.1



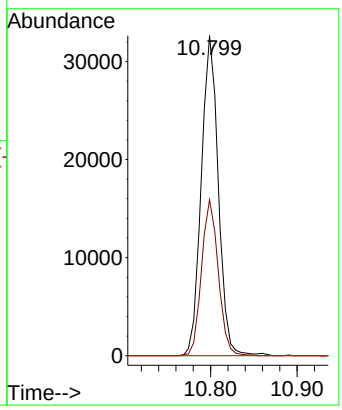


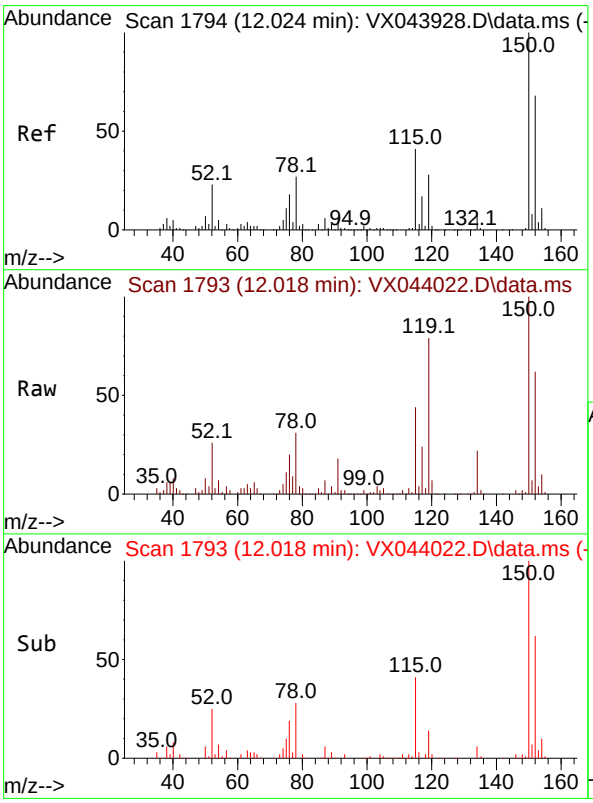
#71
Bromoform
Concen: 41.511 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 44621

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0

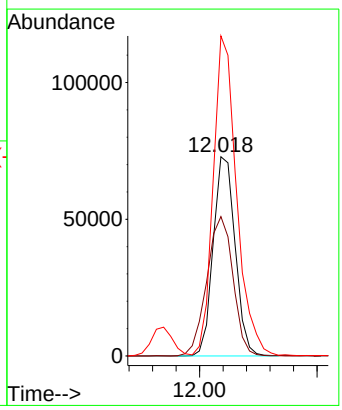


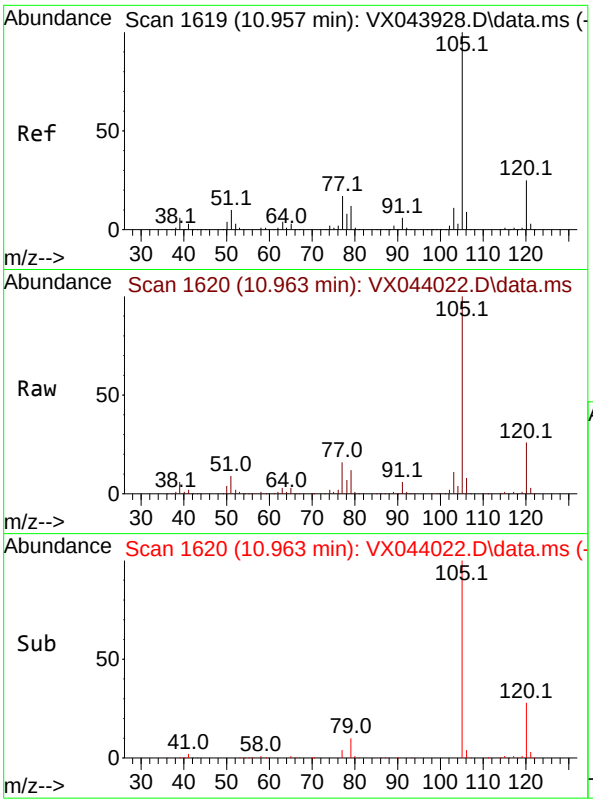


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:152 Resp: 94669

Ion	Ratio	Lower	Upper
152	100		
115	83.5	45.4	136.2
150	171.0	0.0	353.0



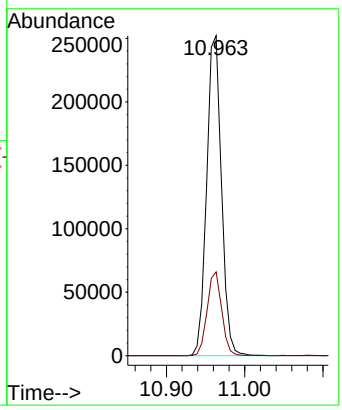


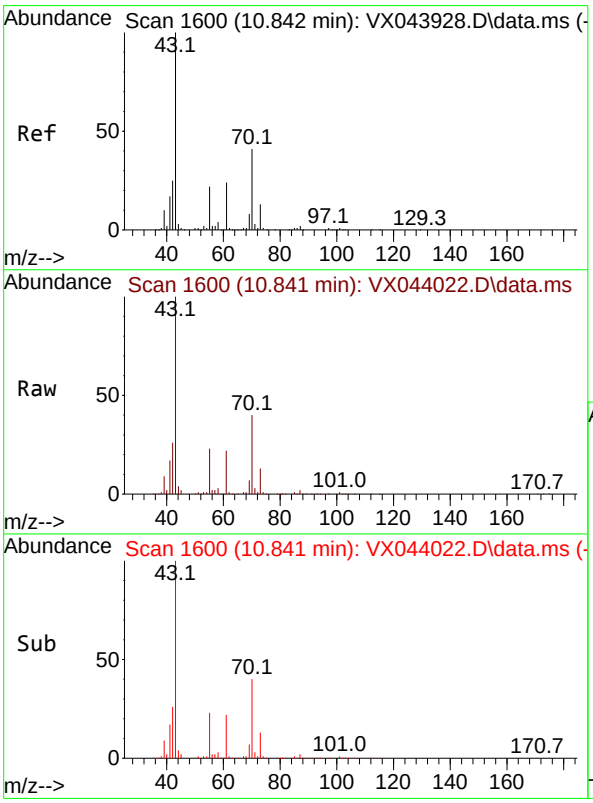
#73
Isopropylbenzene
Concen: 45.287 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 329562

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

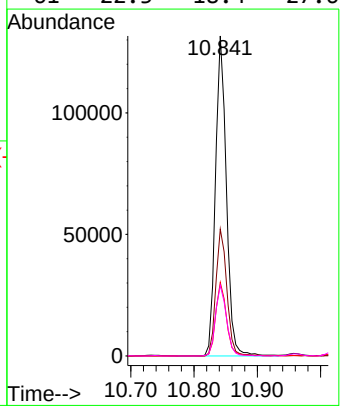


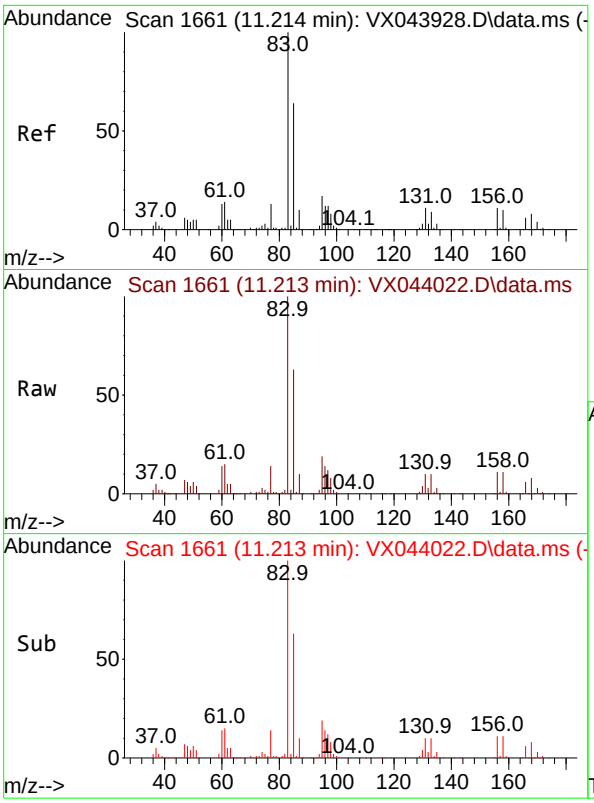


#74
N-amyl acetate
Concen: 46.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 157167

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.2
55	22.9	18.1	27.1
61	22.3	18.4	27.6



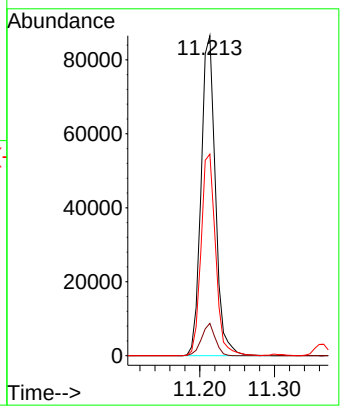


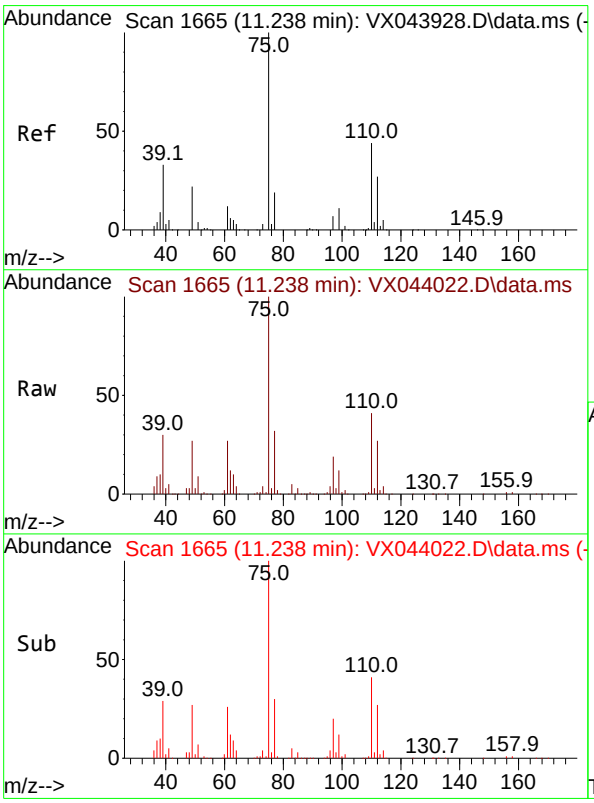
#75
1,1,2,2-Tetrachloroethane
Concen: 46.217 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 115162

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.2
85	64.1	32.2	96.6

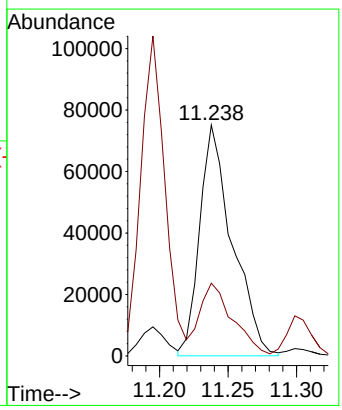


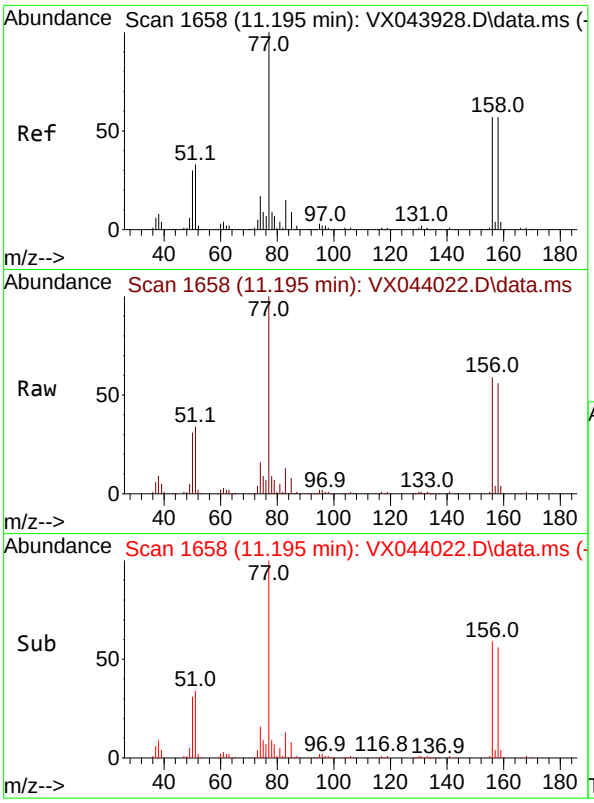


#76
1,2,3-Trichloropropane
Concen: 59.873 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 124300

Ion	Ratio	Lower	Upper
75	100		
77	32.0	21.8	65.3



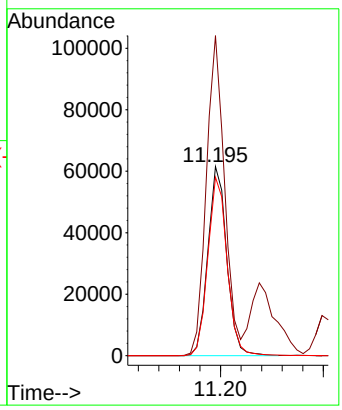


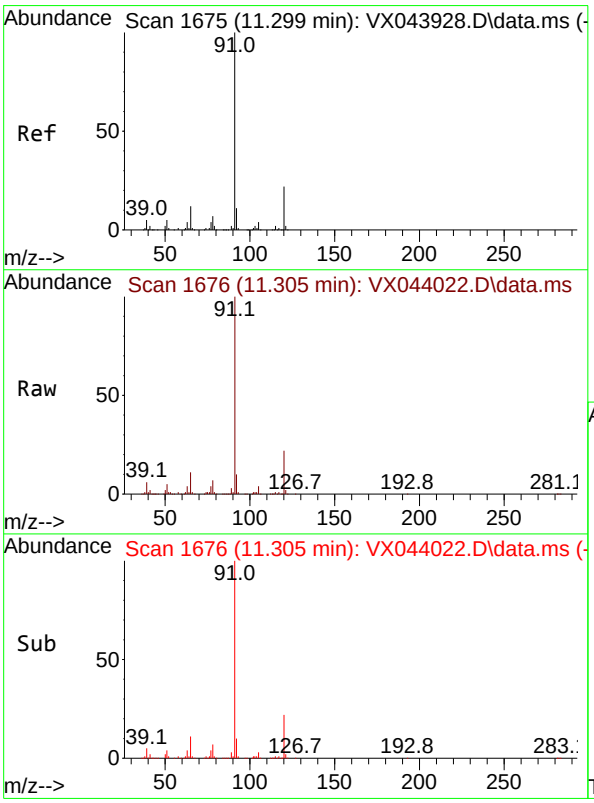
#77
Bromobenzene
Concen: 45.286 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 78615

Ion	Ratio	Lower	Upper
156	100		
77	163.4	83.4	250.1
158	96.4	47.6	142.8

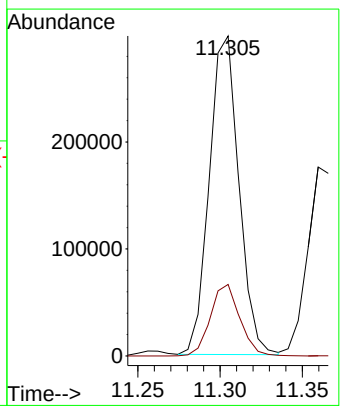


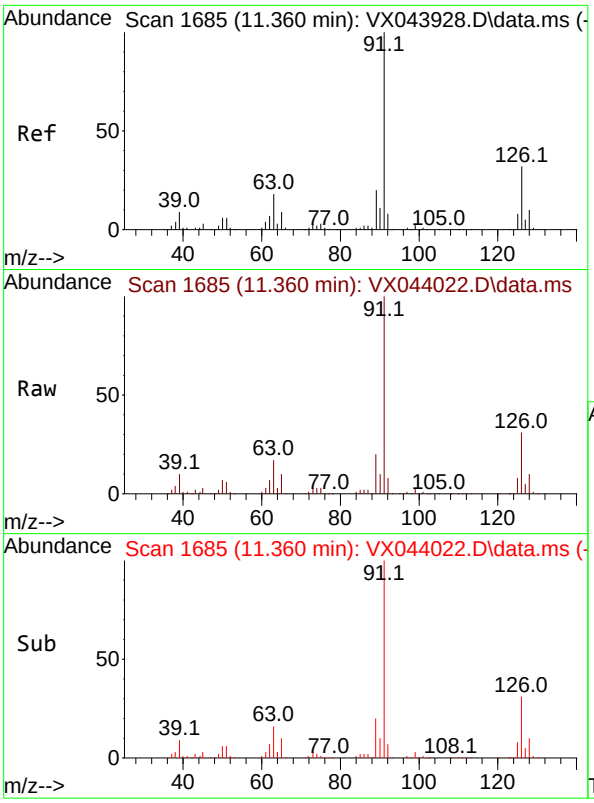


#78
n-propylbenzene
Concen: 45.927 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 373275

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4



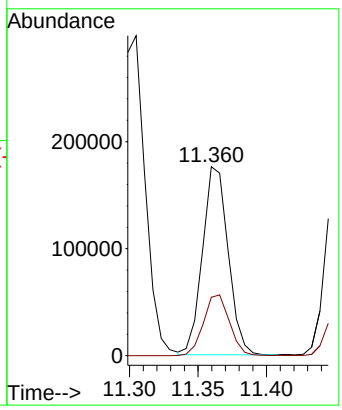


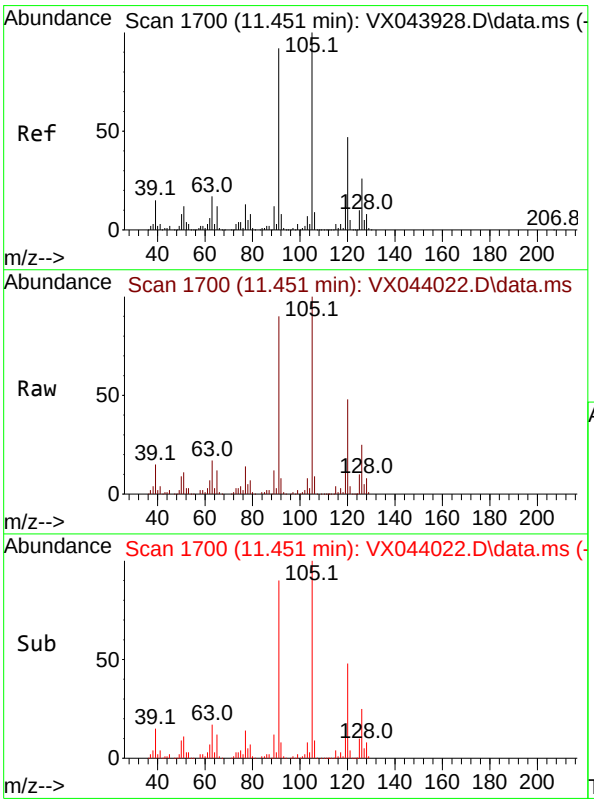
#79
2-Chlorotoluene
Concen: 44.554 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 228979

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8

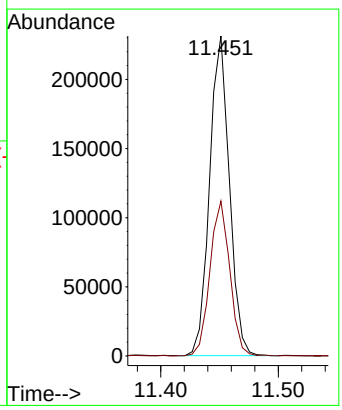


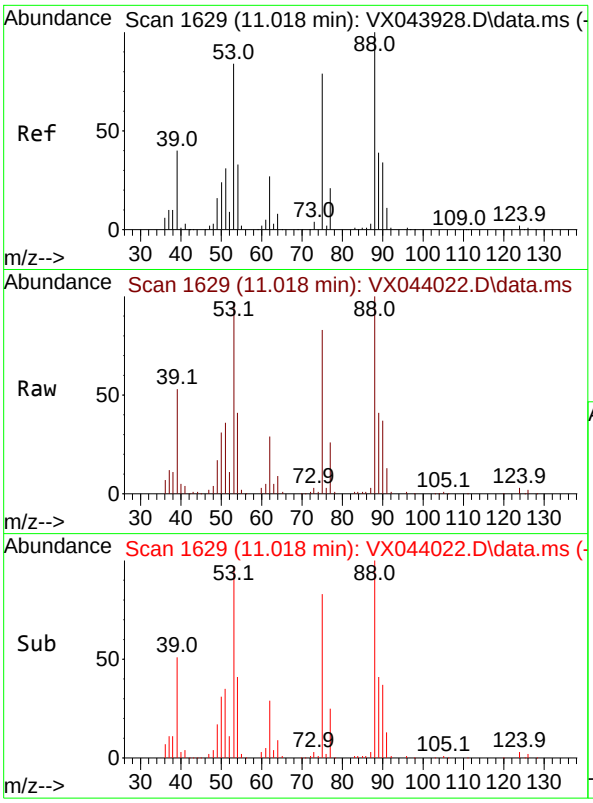


#80
1,3,5-Trimethylbenzene
Concen: 45.154 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 270335

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.3	69.8



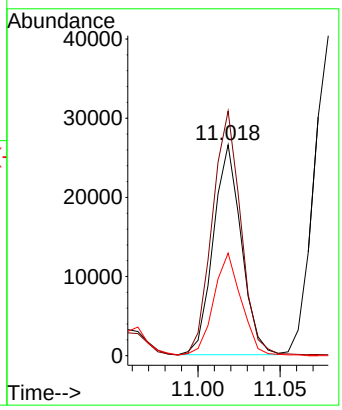


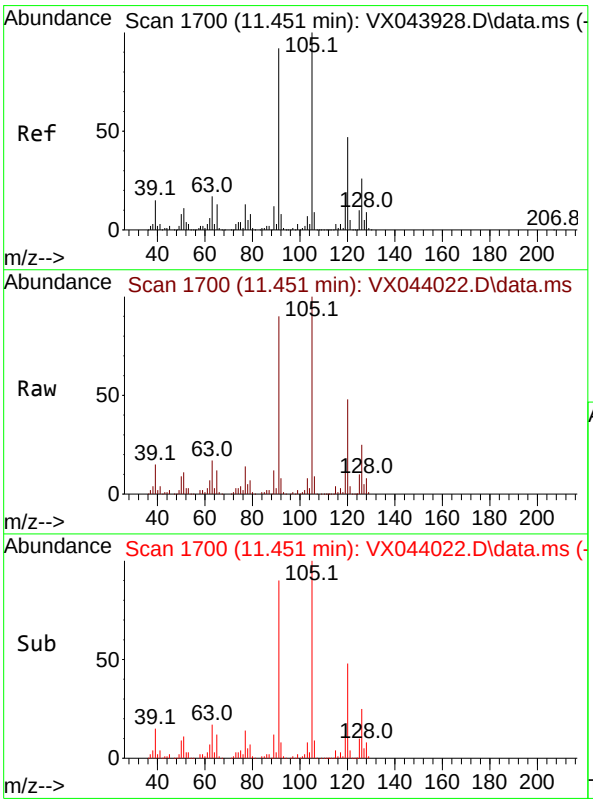
#81
trans-1,4-Dichloro-2-butene
Concen: 41.465 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 31547

Ion	Ratio	Lower	Upper
75	100		
53	119.3	86.7	130.1
89	48.4	38.2	57.2

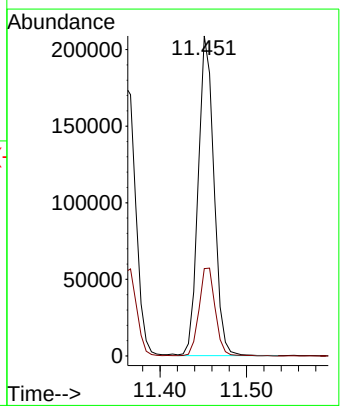


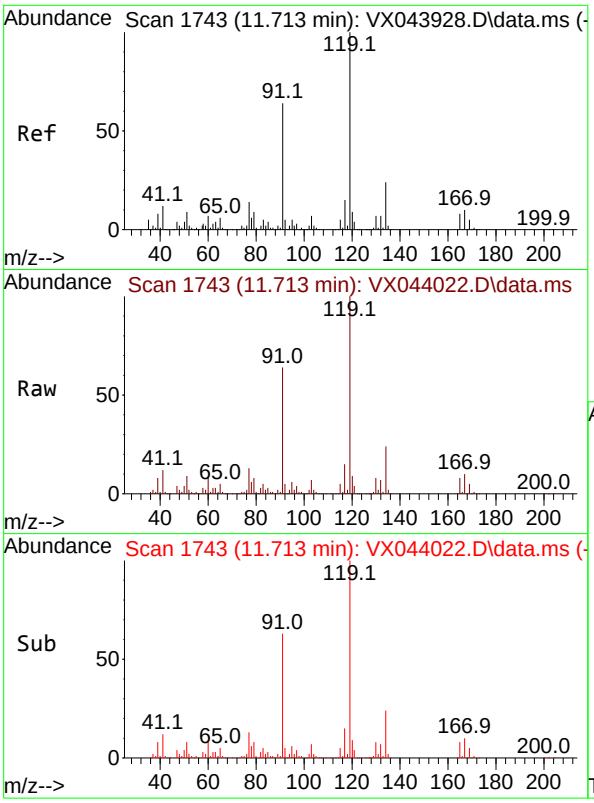


#82
4-Chlorotoluene
Concen: 45.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 263259

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9



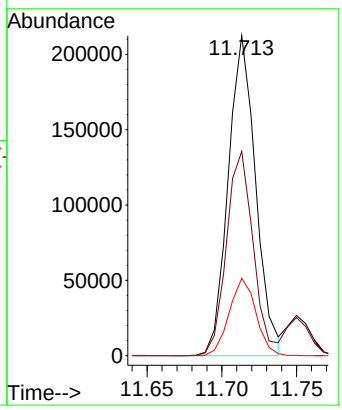


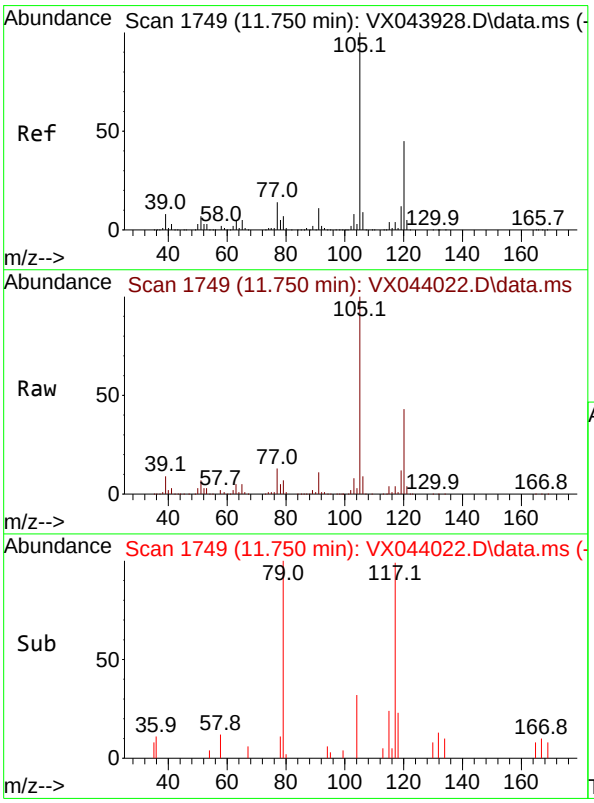
#83
tert-Butylbenzene
Concen: 45.748 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 271471

Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.0	93.0
134	23.6	11.6	34.8

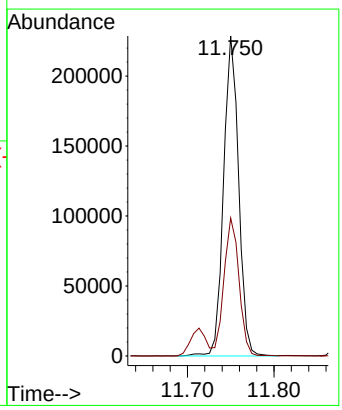


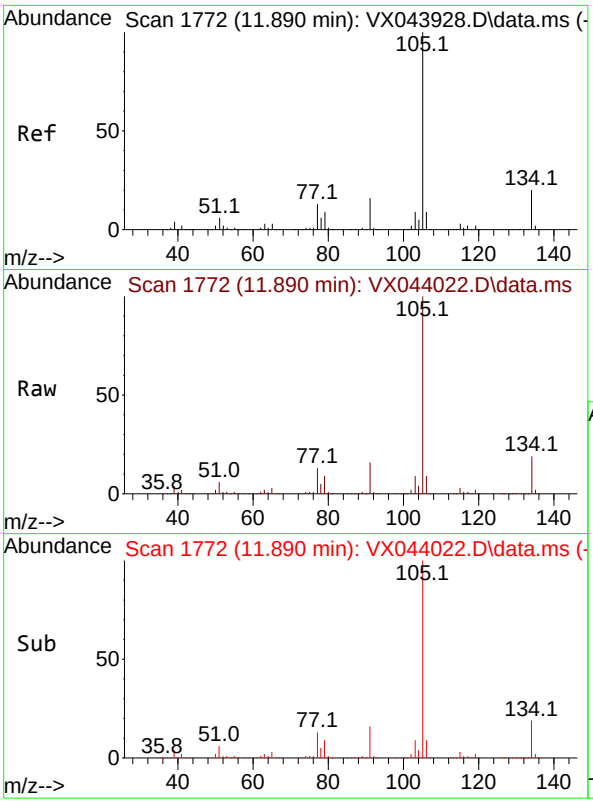


#84
1,2,4-Trimethylbenzene
Concen: 46.231 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 275565

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7



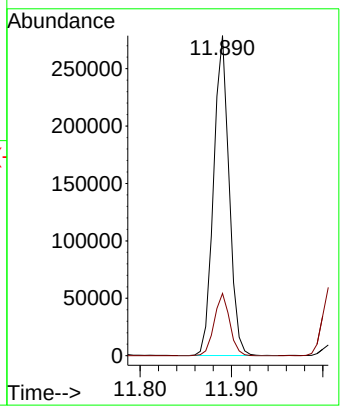


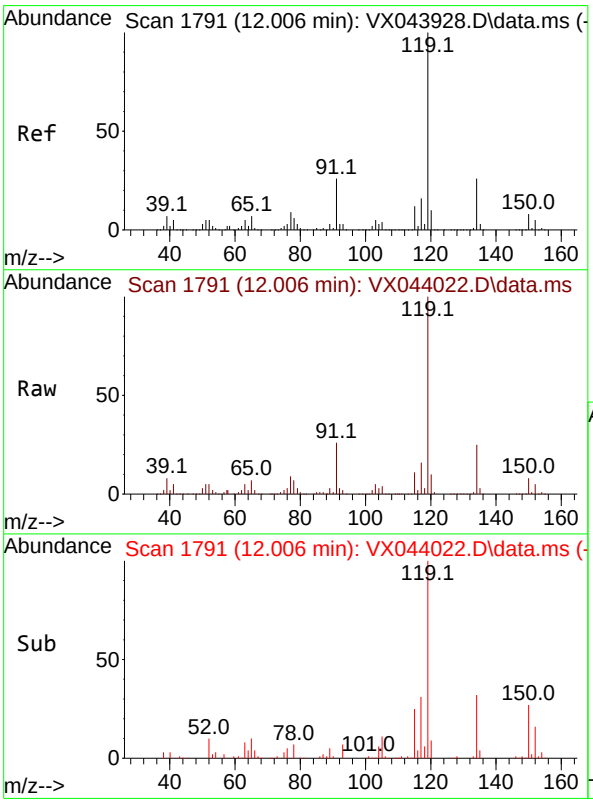
#85
sec-Butylbenzene
Concen: 45.265 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 329107

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

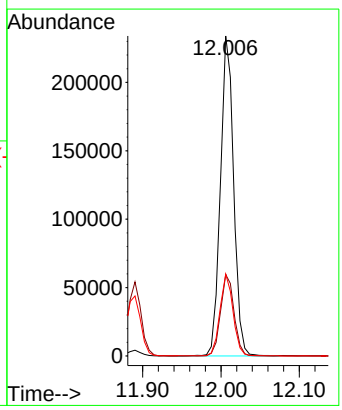


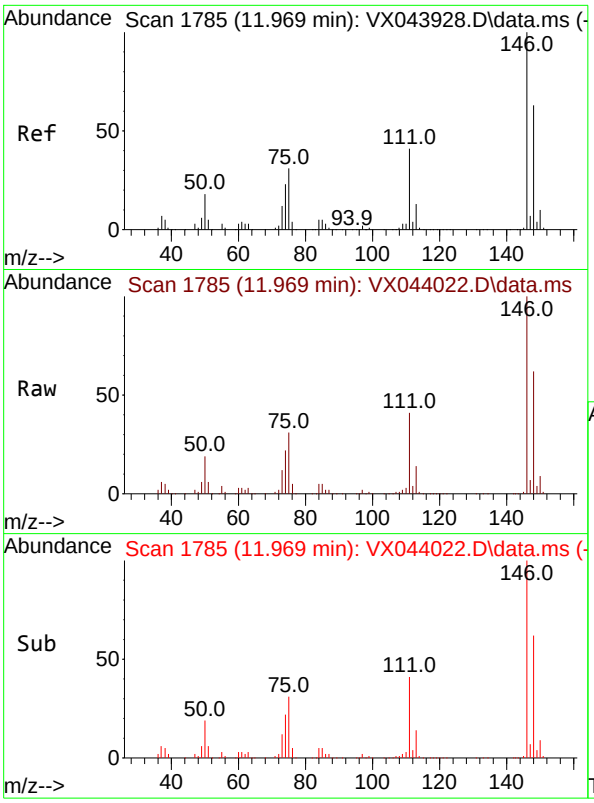


#86
p-Isopropyltoluene
Concen: 46.734 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:119 Resp: 276004

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.3	13.0	38.9



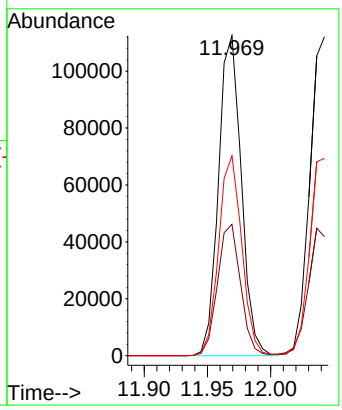


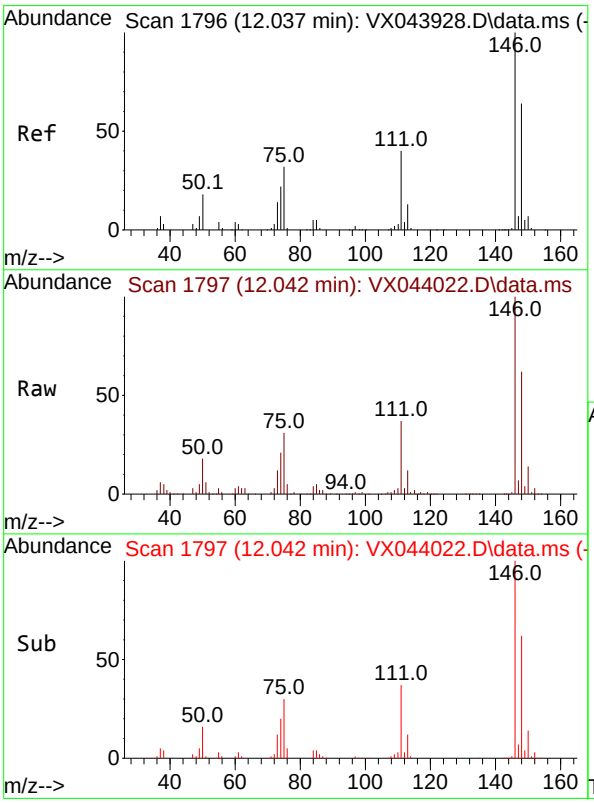
#87
1,3-Dichlorobenzene
Concen: 44.616 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 141063

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	63.3	31.7	95.1

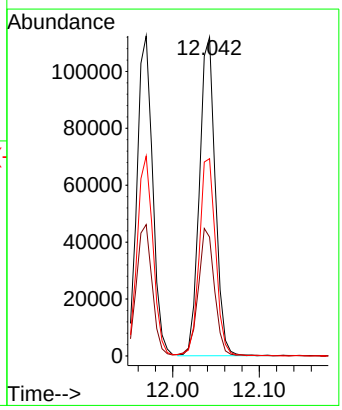


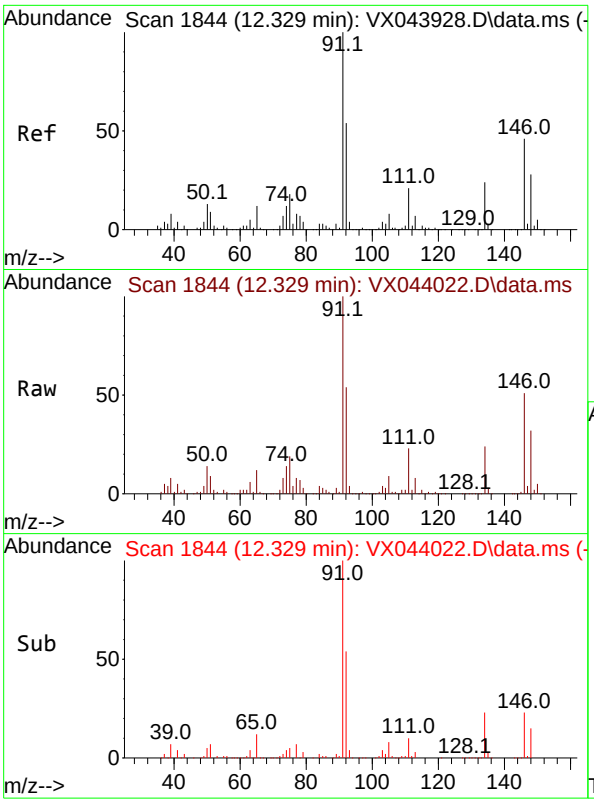


#88
1,4-Dichlorobenzene
Concen: 44.115 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:146 Resp: 142203

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	64.2	30.9	92.8



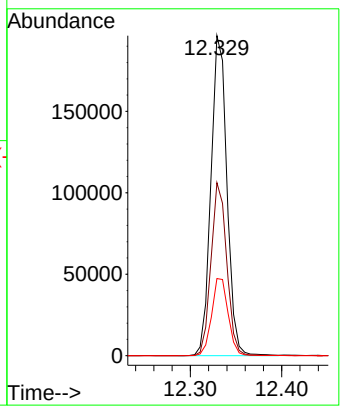


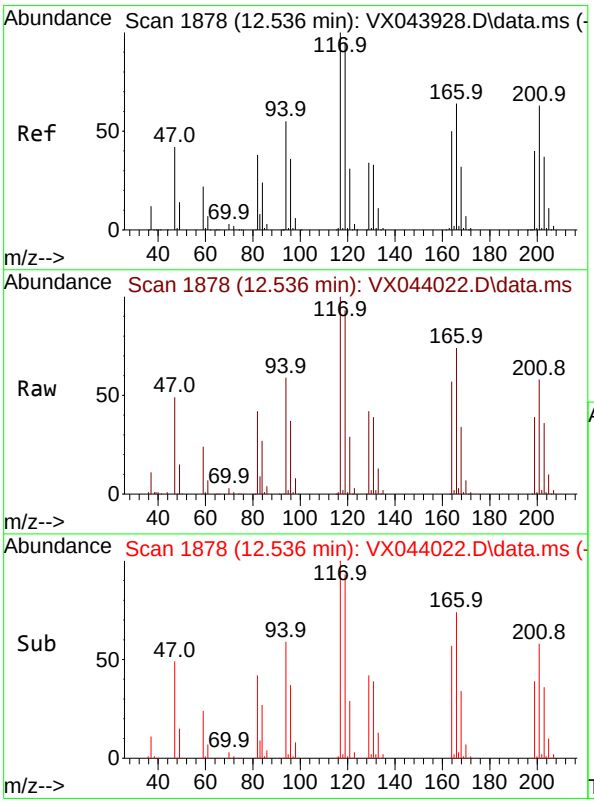
#89
n-Butylbenzene
Concen: 45.814 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 238553

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	25.0	12.4	37.2

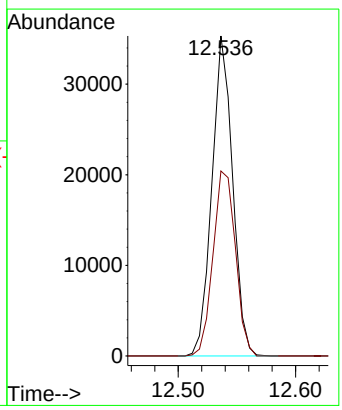


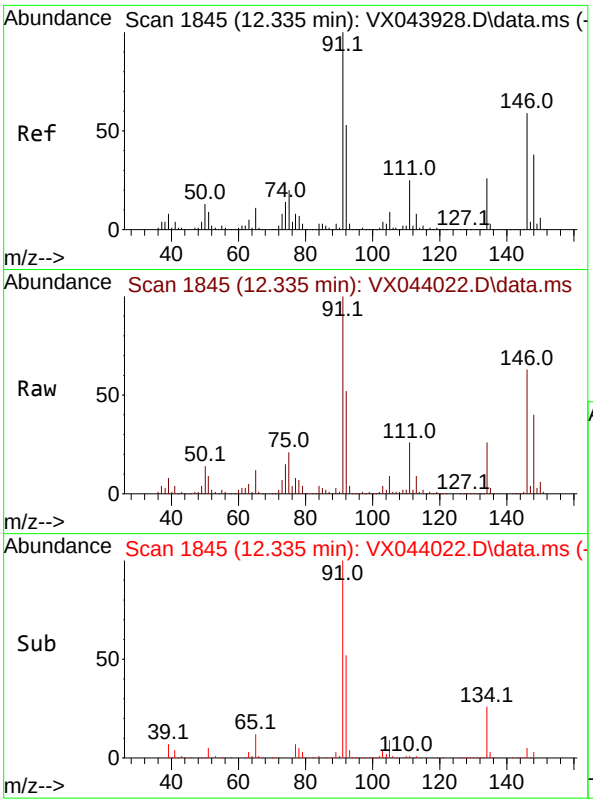


#90
Hexachloroethane
Concen: 43.087 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:117 Resp: 43270

Ion	Ratio	Lower	Upper
117	100		
201	62.7	32.4	97.0



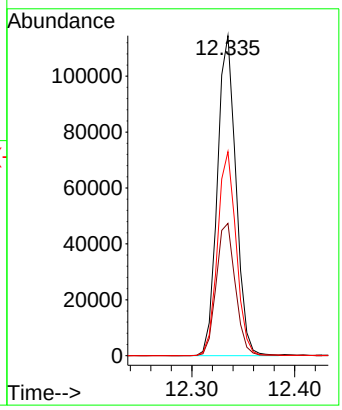


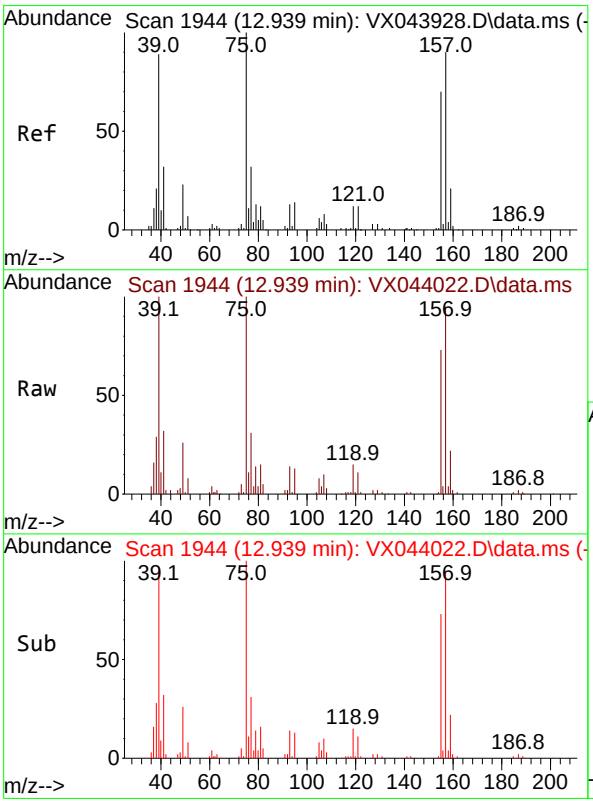
#91
1,2-Dichlorobenzene
Concen: 44.953 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 143432

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	64.1	31.9	95.5

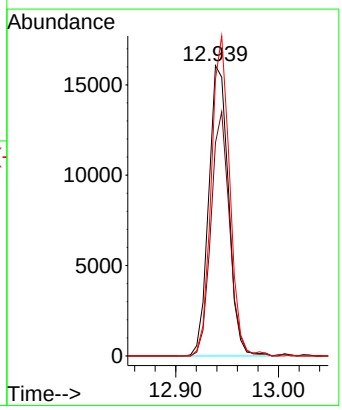


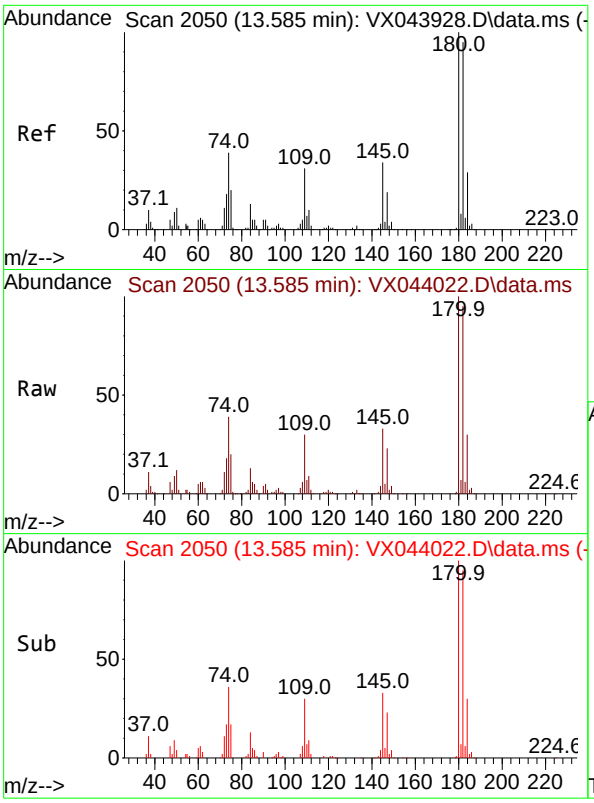


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.974 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 21456

Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.1	120.2
157	102.5	49.6	149.0



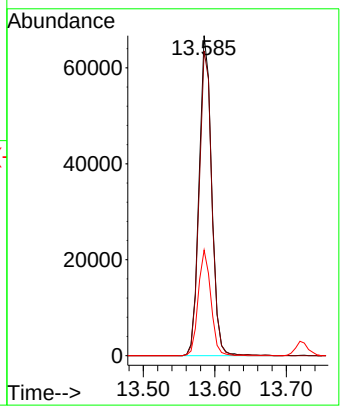


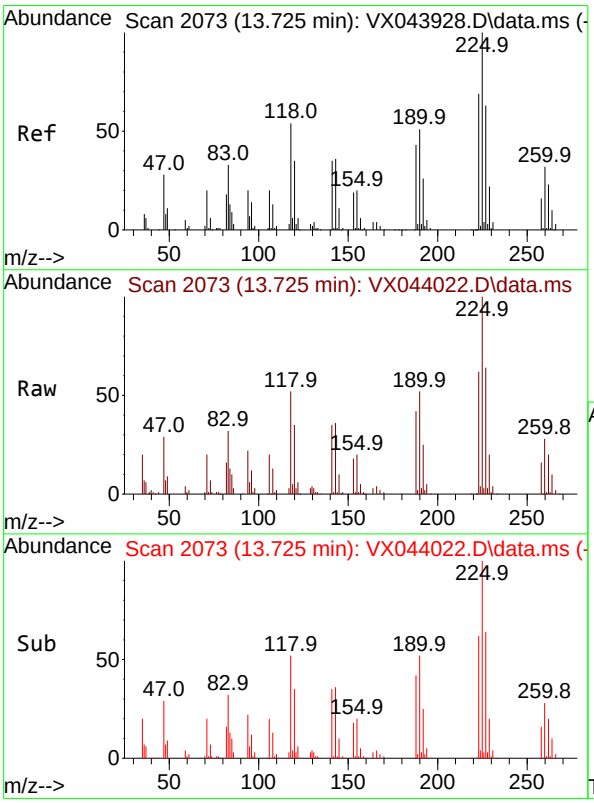
#93
1,2,4-Trichlorobenzene
Concen: 43.093 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 81063

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	33.2	16.8	50.4

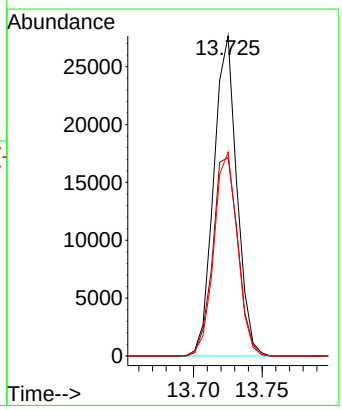


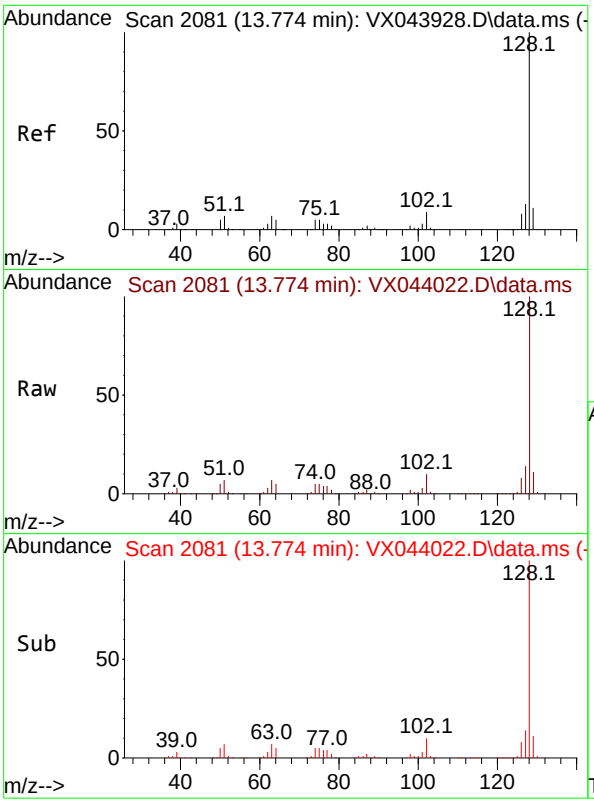


#94
Hexachlorobutadiene
Concen: 43.704 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:225 Resp: 32492

Ion	Ratio	Lower	Upper
225	100		
223	67.5	32.9	98.6
227	64.8	31.6	94.8



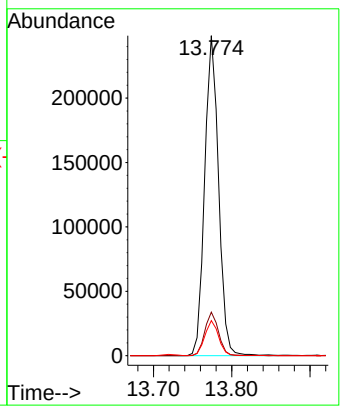


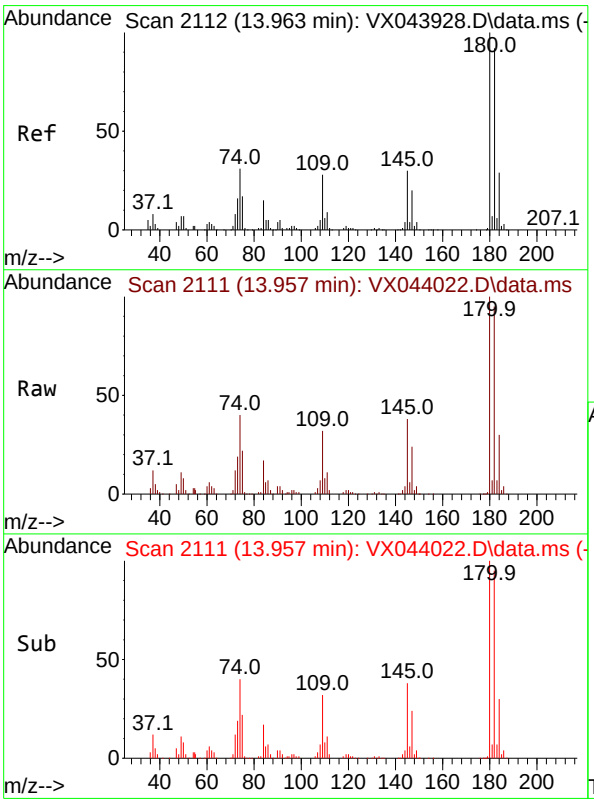
#95
Naphthalene
Concen: 45.077 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 305240

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	10.9	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 44.931 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044022.D
Acq: 26 Nov 2024 17:33

Tgt Ion:180 Resp: 85549

Ion	Ratio	Lower	Upper
180	100		
182	94.9	45.6	136.8
145	35.0	16.4	49.4