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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : Q1539

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

Table Of Contents for Q1539

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 12

9) QC Data Summary For VOC-TCLVOA-10 13

- 9.1) Deuterated Monitoring Compound Summary 14
- 9.2) LCS/LCSD Summary 15
- 9.3) Method Blank Summary 19
- 9.4) GS/MS Tune Summary 20
- 9.5) Internal Standard Area and RT Summary 22

10) Sample Data 24

- 10.1) TAPIAL3-MW03D-031025-00-T1 25
- 10.2) TAPFTA-MW01I-031025-00-T2 52
- 10.3) TAP-TB-03-031025 66
- 10.4) TAP-TB-04-031025-T2 80

11) Calibration Data Summary 94

- 11.1) Initial Calibration Data 95
  - 11.1.1) VX022825 95
- 11.2) Continued Calibration Data 465
  - 11.2.1) VX045238.D 465
  - 11.2.2) VX045255.D 525

12) QC Sample Data 585

- 12.1) Tune Raw Data 586
- 12.2) Method Blank Data 588
- 12.3) LCS Data 601
- 12.4) LCSD Data 656

13) Manual Integration 711

14) Analytical Runlogs 714

15) Standard Prep Logs 721

16) Shipping Document 820

- 16.1) Chain Of Custody 821

16.2) Lab Certificate 822
16.3) 16.3) Internal COC 823
17) Not Reviewed Data 824

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

Cover Page

Order ID : Q1539

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number	Client Sample Number
Q1539-01	TAPIAL3-MW03D-031025-00-T1
Q1539-02	TAPFTA-MW01I-031025-00-T2
Q1539-03	TAP-TB-03-031025
Q1539-04	TAP-TB-04-031025-T2

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: 3/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # Q1539
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Water samples were received on 03/11/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group5, Diesel Range Organics, Gasoline Range Organics, Hardness, Total, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, Oil and Grease, PESTICIDE Group1, SVOC-TCL BNA -20, 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 Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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.

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

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

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.Calculation for Concentration in Water Samples:

$$\text{Concentration ug/L} = \frac{(A_x)(I_s)(Df)}{(Ais)(RRF)(V0)}$$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in nanograms (ng)
RRF = Relative response factor of the initial calibration curve standard.
Vo = Volume of water purged in milliliters (mL)
Df = Dilution factor.

G. 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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1539 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

NA NO YES

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1539

	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:** 03/18/2025

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

LAB CHRONICLE

OrderID:	Q1539	**OrderDate:**	3/11/2025 10:36:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1539-01	**TAPIAL3-MW03D-031025-00-T1**	**Water**			**03/10/25**			**03/11/25**
			VOC-TCLVOA-10	8260D			03/12/25	
Q1539-02	**TAPFTA-MW01I-031025-00-T2**	**Water**			**03/10/25**			**03/11/25**
			VOC-TCLVOA-10	8260D			03/12/25	
Q1539-03	**TAP-TB-03-031025**	**Water**			**03/10/25**			**03/11/25**
			VOC-TCLVOA-10	8260D			03/12/25	
Q1539-04	**TAP-TB-04-031025-T2**	**Water**			**03/10/25**			**03/11/25**
			VOC-TCLVOA-10	8260D			03/12/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1539

Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TAPIAL3-MW03D-031025-00-T1**									
Q1539-01	TAPIAL3-MW03D-	Water	Acetone		3.70	J	1.40	3.80	25.0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Benzene		1.20	J	0.16	0.50	5.00	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Isopropylbenzene		0.49	J	0.13	0.50	5.00	ug/L
			Total Voc :		5.39					
Q1539-01	TAPIAL3-MW03D-	Water	unknown14.615	*	14.6	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Indane	*	19.8	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	26.1	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Benzene, 1-ethenyl-4-ethyl-	*	37.0	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	16.9	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Benzene, (3-methyl-2-butenyl)-	*	10.7	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	1H-Indene, 2,3-dihydro-4,7-din	*	11.7	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Benzene, 1,3,5-trimethyl-2-(1-r	*	9.60	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	1H-Indene, 2,3-dihydro-1,6-din	*	14.9	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	Benzene, (2-methyl-1-butenyl)-	*	17.9	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	tert-Butylbenzene	*	0.62	J	0.17		5.00	ug/L
Q1539-01	TAPIAL3-MW03D-	Water	sec-Butylbenzene	*	3.40	J	0.17		5.00	ug/L
			Total Tics :		183					
			Total Concentration:		189					
Client ID:	**TAPFTA-MW01I-031025-00-T2**									
Q1539-02	TAPFTA-MW01I-0	Water	Acetone		2.50	J	1.40	3.80	25.0	ug/L
			Total Voc :		2.50					
			Total Concentration:		2.50					
Client ID:	**TAP-TB-03-031025**									
Q1539-03	TAP-TB-03-031025	Water	Acetone		1.70	J	1.40	3.80	25.0	ug/L
			Total Voc :		1.70					
			Total Concentration:		1.70					
Client ID:	**TAP-TB-04-031025-T2**									
Q1539-04	TAP-TB-04-031025	Water	Acetone		2.80	J	1.40	3.80	25.0	ug/L
			Total Voc :		2.80					
			Total Concentration:		2.80					

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1539

Client: Weston Solutions

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1539-01	TAPIAL3-MW03D-031025-00-T1	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	55.9	112	85	114
Q1539-02	TAPFTA-MW01I-031025-00-T2	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	54.9	110	85	114
Q1539-03	TAP-TB-03-031025	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	54.3	109	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	53.5	107	85	114
Q1539-04	TAP-TB-04-031025-T2	1,2-Dichloroethane-d4	50	54.7	109	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	52.9	106	85	114
VX0312WBL01	VX0312WBL01	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
VX0312WBS01	VX0312WBS01	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	49.6	99	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
VX0312WBSD0	VX0312WBSD01	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	49.8	99	89	112
		4-Bromofluorobenzene	50	53.8	108	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.: Q1539

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VX045241.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0312WBS01	Dichlorodifluoromethane	20	18.1	ug/L	91			32	152	
	Chloromethane	20	16.9	ug/L	85			50	139	
	Vinyl chloride	20	16.6	ug/L	83			58	137	
	Bromomethane	20	18.5	ug/L	93			53	141	
	Chloroethane	20	20.4	ug/L	102			60	138	
	Trichlorofluoromethane	20	18.3	ug/L	92			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			70	136	
	1,1-Dichloroethene	20	18.4	ug/L	92			71	131	
	Acetone	100	92.6	ug/L	93			39	160	
	Carbon disulfide	20	15.9	ug/L	79			64	133	
	Methyl tert-butyl Ether	20	18.5	ug/L	93			71	124	
	Methyl Acetate	20	22.5	ug/L	113			56	136	
	Methylene Chloride	20	18.0	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			75	124	
	1,1-Dichloroethane	20	18.9	ug/L	95			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	98.6	ug/L	99			56	143	
	Carbon Tetrachloride	20	19.1	ug/L	96			72	136	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			78	123	
	Bromochloromethane	20	20.0	ug/L	100			78	123	
	Chloroform	20	19.2	ug/L	96			79	124	
	1,1,1-Trichloroethane	20	19.1	ug/L	96			74	131	
	Methylcyclohexane	20	19.5	ug/L	98			72	132	
	Benzene	20	19.1	ug/L	96			79	120	
	1,2-Dichloroethane	20	19.7	ug/L	99			73	128	
	Trichloroethene	20	18.3	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.8	ug/L	94			78	122	
	Bromodichloromethane	20	19.0	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.1	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.3	ug/L	97			74	126	
	1,2-Dibromoethane	20	19.7	ug/L	99			77	121	
	Tetrachloroethene	20	19.1	ug/L	96			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	19.3	ug/L	97			79	121	
	m/p-Xylenes	40	39.3	ug/L	98			80	121	
	o-Xylene	20	19.3	ug/L	97			78	122	
	Styrene	20	19.9	ug/L	100			78	123	
	Bromoform	20	18.7	ug/L	94			66	130	
	Isopropylbenzene	20	20.0	ug/L	100			72	131	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			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.: Q1539

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VX045241.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0312WBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/L	95			62	128	
	1,2,4-Trichlorobenzene	20	18.2	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94			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.: Q1539

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VX045242.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0312WBSD01	Dichlorodifluoromethane	20	17.9	ug/L	90	1		32	152	20
	Chloromethane	20	17.3	ug/L	86	1		50	139	20
	Vinyl chloride	20	16.2	ug/L	81	2		58	137	20
	Bromomethane	20	18.3	ug/L	92	1		53	141	20
	Chloroethane	20	19.7	ug/L	99	3		60	138	20
	Trichlorofluoromethane	20	18.2	ug/L	91	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99	1		70	136	20
	1,1-Dichloroethene	20	18.0	ug/L	90	2		71	131	20
	Acetone	100	91.9	ug/L	92	1		39	160	20
	Carbon disulfide	20	14.9	ug/L	75	5		64	133	20
	Methyl tert-butyl Ether	20	18.9	ug/L	95	2		71	124	20
	Methyl Acetate	20	22.1	ug/L	111	2		56	136	20
	Methylene Chloride	20	18.3	ug/L	92	2		74	124	20
	trans-1,2-Dichloroethene	20	17.9	ug/L	90	4		75	124	20
	1,1-Dichloroethane	20	18.4	ug/L	92	3		77	125	20
	Cyclohexane	20	17.9	ug/L	90	4		71	130	20
	2-Butanone	100	97.8	ug/L	98	1		56	143	20
	Carbon Tetrachloride	20	19.1	ug/L	96	0		72	136	20
	cis-1,2-Dichloroethene	20	18.7	ug/L	94	1		78	123	20
	Bromochloromethane	20	20.3	ug/L	102	2		78	123	20
	Chloroform	20	18.8	ug/L	94	2		79	124	20
	1,1,1-Trichloroethane	20	18.9	ug/L	95	1		74	131	20
	Methylcyclohexane	20	19.9	ug/L	100	2		72	132	20
	Benzene	20	19.2	ug/L	96	0		79	120	20
	1,2-Dichloroethane	20	19.6	ug/L	98	1		73	128	20
	Trichloroethene	20	19.0	ug/L	95	3		79	123	20
	1,2-Dichloropropane	20	19.3	ug/L	97	3		78	122	20
	Bromodichloromethane	20	20.0	ug/L	100	5		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	19.9	ug/L	100	4		80	121	20
	t-1,3-Dichloropropene	20	19.4	ug/L	97	0		73	127	20
	cis-1,3-Dichloropropene	20	19.7	ug/L	99	2		75	124	20
	1,1,2-Trichloroethane	20	19.6	ug/L	98	1		80	119	20
	2-Hexanone	100	110	ug/L	110	10		57	139	20
	Dibromochloromethane	20	19.8	ug/L	99	2		74	126	20
	1,2-Dibromoethane	20	20.3	ug/L	102	3		77	121	20
	Tetrachloroethene	20	18.8	ug/L	94	2		74	129	20
	Chlorobenzene	20	19.5	ug/L	98	3		82	118	20
	Ethyl Benzene	20	19.2	ug/L	96	1		79	121	20
	m/p-Xylenes	40	39.2	ug/L	98	0		80	121	20
	o-Xylene	20	19.2	ug/L	96	1		78	122	20
	Styrene	20	20.2	ug/L	101	1		78	123	20
	Bromoform	20	19.5	ug/L	98	4		66	130	20
	Isopropylbenzene	20	19.0	ug/L	95	5		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96	0		71	121	20
	1,3-Dichlorobenzene	20	19.3	ug/L	97	1		80	119	20
	1,4-Dichlorobenzene	20	18.7	ug/L	94	1		79	118	20
	1,2-Dichlorobenzene	20	19.4	ug/L	97	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.: Q1539

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VX045242.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0312WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	2		62	128	20
	1,2,4-Trichlorobenzene	20	19.2	ug/L	96	5		69	130	20
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94	0		69	129	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0312WBL01

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

Lab File ID: VX045240.D Lab Sample ID: VX0312WBL01

Date Analyzed: 03/12/2025 Time Analyzed: 11:49

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
VX0312WBS01	VX0312WBS01	VX045241.D	03/12/2025
VX0312WBSD01	VX0312WBSD01	VX045242.D	03/12/2025
TAP-TB-03-031025	Q1539-03	VX045250.D	03/12/2025
TAP-TB-04-031025-T2	Q1539-04	VX045251.D	03/12/2025
TAPIAL3-MW03D-031025-00-T1	Q1539-01	VX045253.D	03/12/2025
TAPFTA-MW01I-031025-00-T2	Q1539-02	VX045254.D	03/12/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

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

Instrument ID: MSVOA_X BFB Injection Time: 01:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX045068.D	02/28/2025	01:27
VSTDICC005	VSTDICC005	VX045069.D	02/28/2025	02:13
VSTDICC020	VSTDICC020	VX045070.D	02/28/2025	02:37
VSTDICCC050	VSTDICCC050	VX045071.D	02/28/2025	03:00
VSTDICC100	VSTDICC100	VX045072.D	02/28/2025	03:23
VSTDICC150	VSTDICC150	VX045073.D	02/28/2025	03:47

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: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

Lab File ID: VX045237.D BFB Injection Date: 03/12/2025

Instrument ID: MSVOA_X BFB Injection Time: 10:30

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	54.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.5 (7.7) 1
176	95.0 - 101.0% of mass 174	70.9 (100.4) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045238.D	03/12/2025	10:58
VX0312WBL01	VX0312WBL01	VX045240.D	03/12/2025	11:49
VX0312WBS01	VX0312WBS01	VX045241.D	03/12/2025	12:12
VX0312WBSD01	VX0312WBSD01	VX045242.D	03/12/2025	12:38
TAP-TB-03-031025	Q1539-03	VX045250.D	03/12/2025	15:45
TAP-TB-04-031025-T2	Q1539-04	VX045251.D	03/12/2025	16:08
TAPIAL3-MW03D-031025-00-T1	Q1539-01	VX045253.D	03/12/2025	16:55
TAPFTA-MW01I-031025-00-T2	Q1539-02	VX045254.D	03/12/2025	17:18
VSTDCCC050EC	VSTDCCC050	VX045255.D	03/12/2025	17:41

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: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

Lab File ID: VX045238.D Date Analyzed: 03/12/2025

Instrument ID: MSVOA_X Time Analyzed: 10:58

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	103487	5.54	178691	6.76	155011	10.06
UPPER LIMIT	206974	6.043	357382	7.257	310022	10.555
LOWER LIMIT	51743.5	5.043	89345.5	6.257	77505.5	9.555
EPA SAMPLE NO.						
TAPIAL3-MW03D-031025-00-T1	66308	5.55	129212	6.76	122481	10.05
TAPFTA-MW01I-031025-00-T2	67874	5.55	131712	6.76	122865	10.05
TAP-TB-03-031025	65606	5.55	129853	6.76	121501	10.05
TAP-TB-04-031025-T2	64979	5.54	127269	6.76	118251	10.06
VX0312WBL01	62202	5.55	124010	6.76	114608	10.05
VX0312WBS01	98902	5.55	179533	6.76	158824	10.05
VX0312WBSD01	92230	5.54	161778	6.76	146828	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: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

Lab File ID: VX045238.D Date Analyzed: 03/12/2025

Instrument ID: MSVOA_X Time Analyzed: 10:58

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

	IS4 AREA #	RT #				
12 HOUR STD	69105	12.018				
UPPER LIMIT	138210	12.518				
LOWER LIMIT	34552.5	11.518				
EPA SAMPLE NO.						
TAPIAL3-MW03D-031025-00-T1	51784	12.02				
TAPFTA-MW01I-031025-00-T2	51924	12.02				
TAP-TB-03-031025	51277	12.02				
TAP-TB-04-031025-T2	46701	12.02				
VX0312WBL01	43950	12.02				
VX0312WBS01	69454	12.02				
VX0312WBSD01	67806	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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	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
VX045253.D	1		03/12/25 16:55	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	3.70	J	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	1.20	J	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	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
VX045253.D	1		03/12/25 16:55	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.49	J	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66300	5.55				
540-36-3	1,4-Difluorobenzene	129000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51800	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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	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
VX045253.D	1		03/12/25 16:55	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
98-06-6	tert-Butylbenzene	0.62	J			11.7	ug/L
135-98-8	sec-Butylbenzene	3.40	J			11.9	ug/L
000496-11-7	Indane	19.8	J			12.2	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	37.0	J			13.3	ug/L
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	11.7	J			13.6	ug/L
017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	14.9	J			13.7	ug/L
003877-19-8	Naphthalene, 1,2,3,4-tetrahydro-2-	16.9	J			13.9	ug/L
056253-64-6	Benzene, (2-methyl-1-butenyl)-	17.9	J			13.9	ug/L
004489-84-3	Benzene, (3-methyl-2-butenyl)-	10.7	J			14.2	ug/L
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	26.1	J			14.5	ug/L
	unknown14.615	14.6	J			14.6	ug/L
014679-13-1	Benzene, 1,3,5-trimethyl-2-(1-meth	9.60	J			15.2	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\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

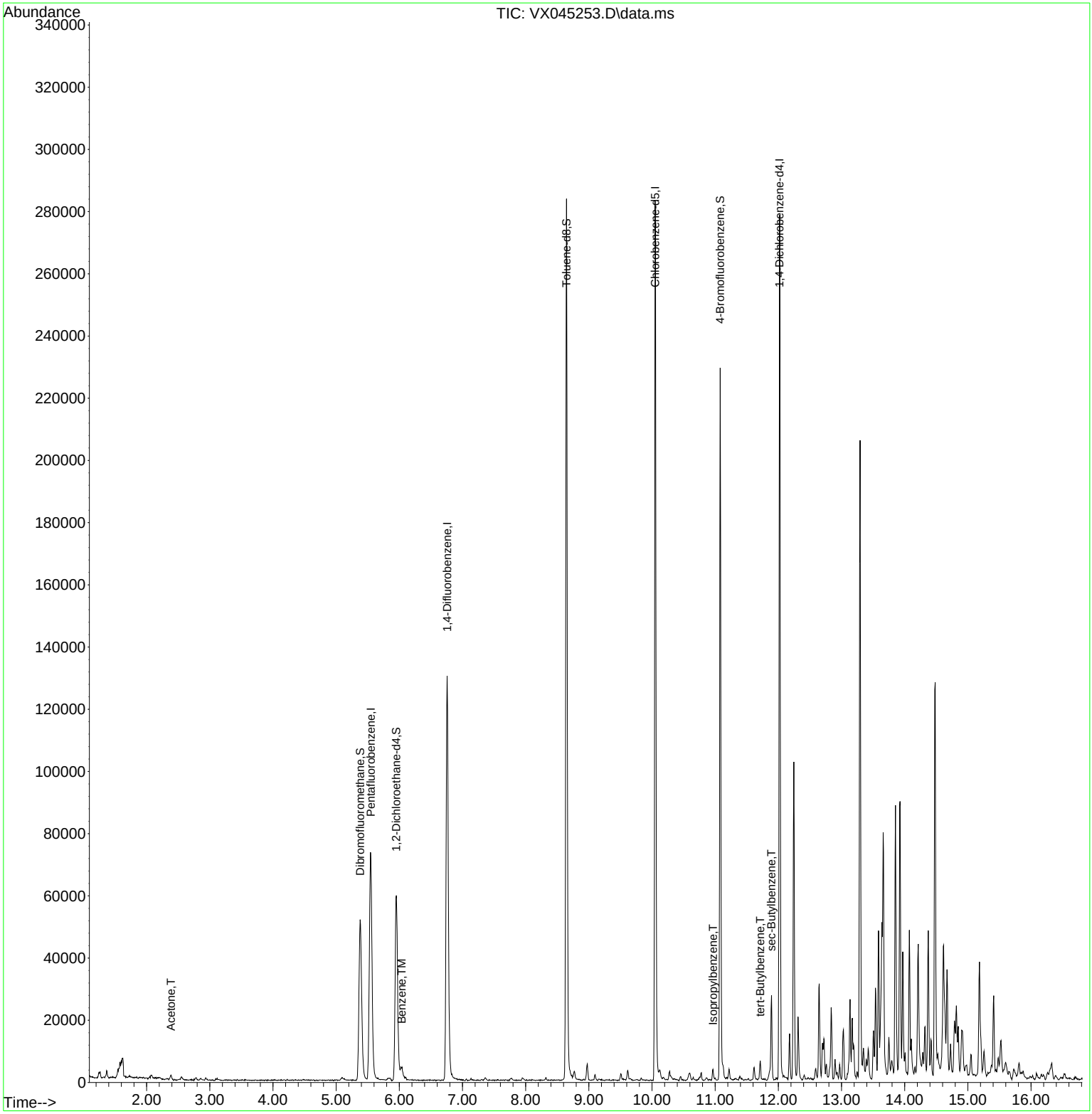
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56902	53.950	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.900%			
35) Dibromofluoromethane	5.379	113	45229	52.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	8.647	98	164036	52.369	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	11.079	95	58034	55.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.820%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1806	3.691	ug/l	89
40) Benzene	6.038	78	4594	1.228	ug/l #	88
73) Isopropylbenzene	10.964	105	1980	0.490	ug/l	90
83) tert-Butylbenzene	11.713	119	2097	0.624	ug/l	86
85) sec-Butylbenzene	11.890	105	13740	3.416	ug/l	92

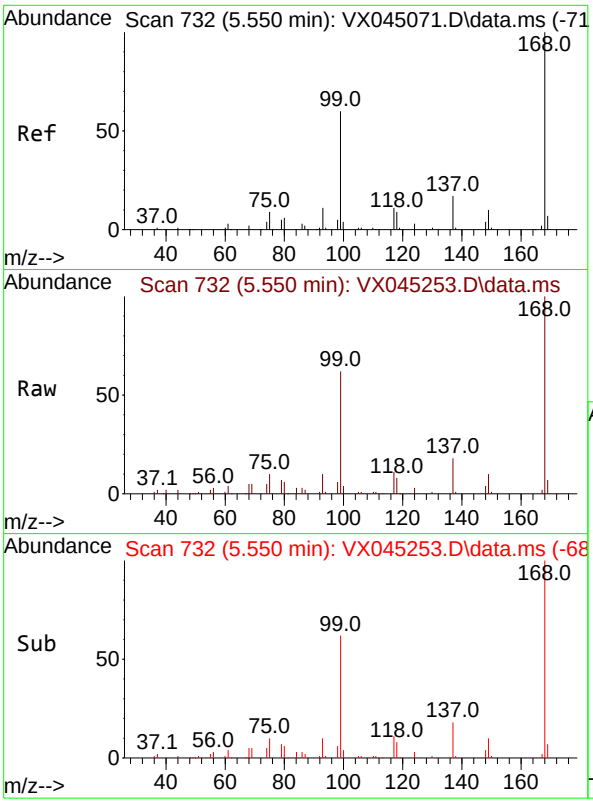
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



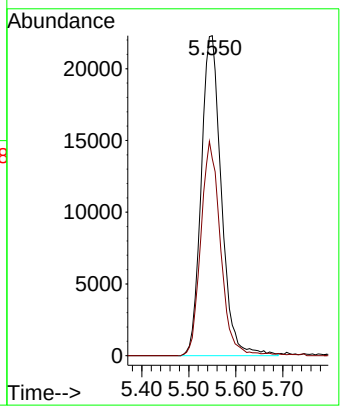


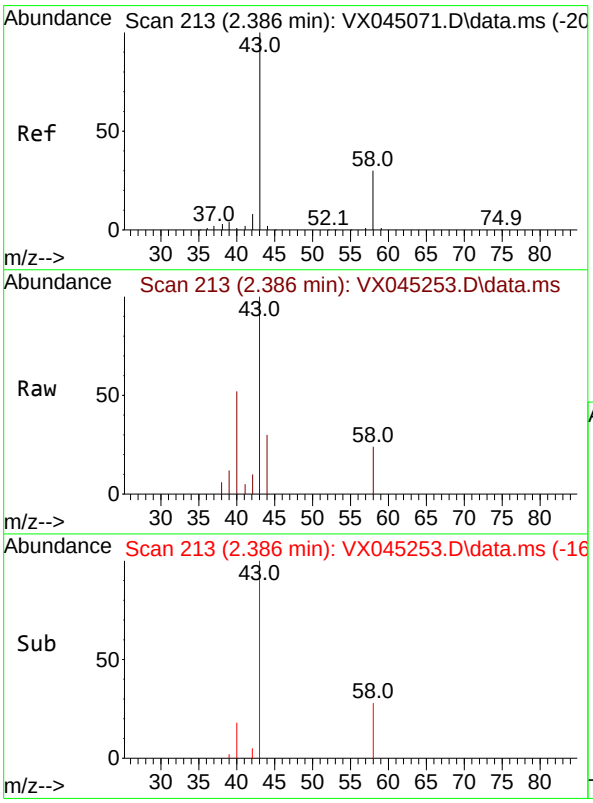
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion:168 Resp: 66308

Ion	Ratio	Lower	Upper
168	100		
99	61.6	48.2	72.4

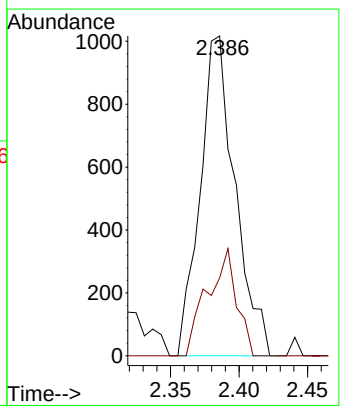


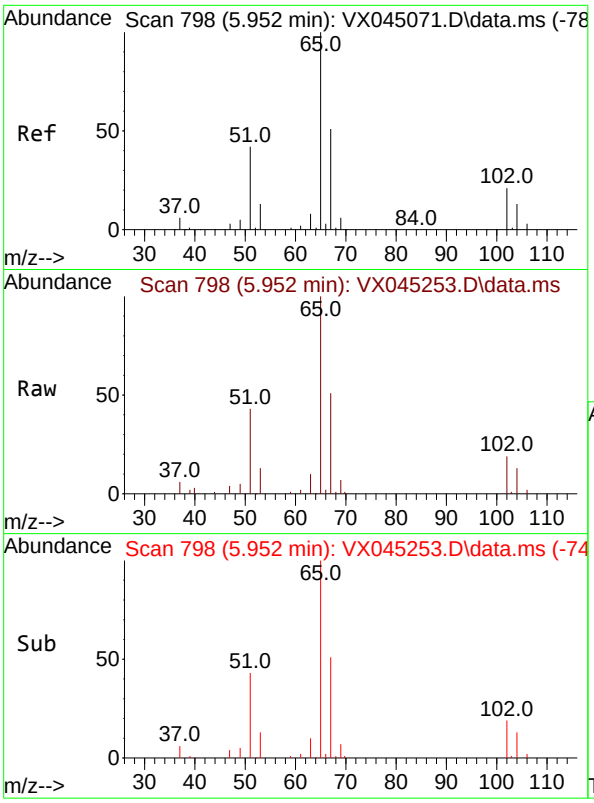


#16
Acetone
Concen: 3.691 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 43 Resp: 1806

Ion	Ratio	Lower	Upper
43	100		
58	24.4	24.2	36.4



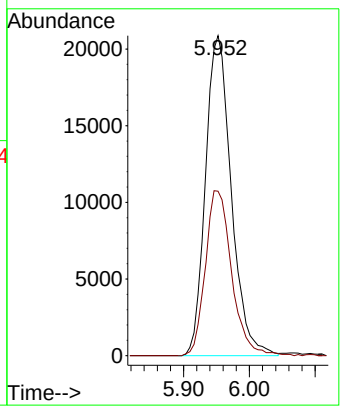


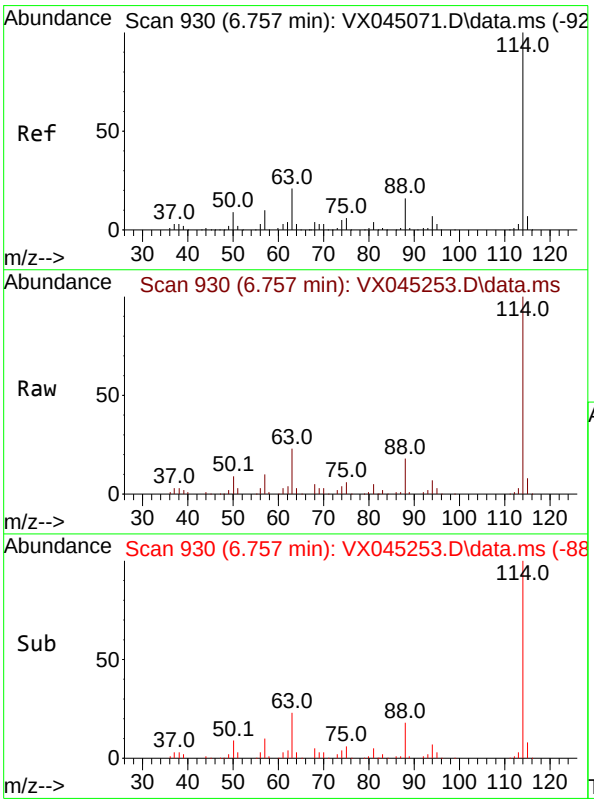
#33
1,2-Dichloroethane-d4
Concen: 53.950 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion: 65 Resp: 56902

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2

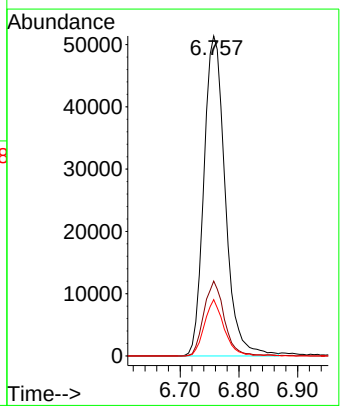


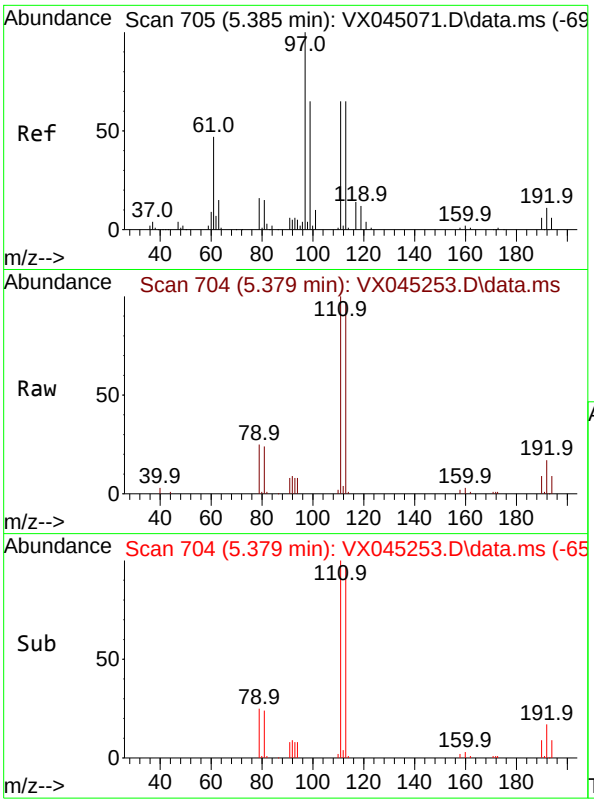


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion:114 Resp: 129212

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	17.6	0.0	32.8



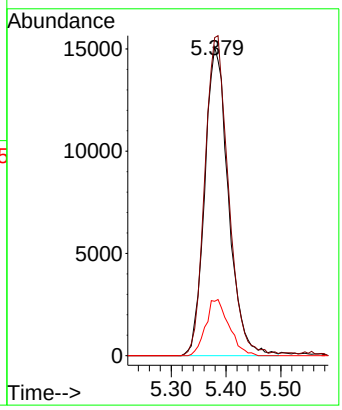


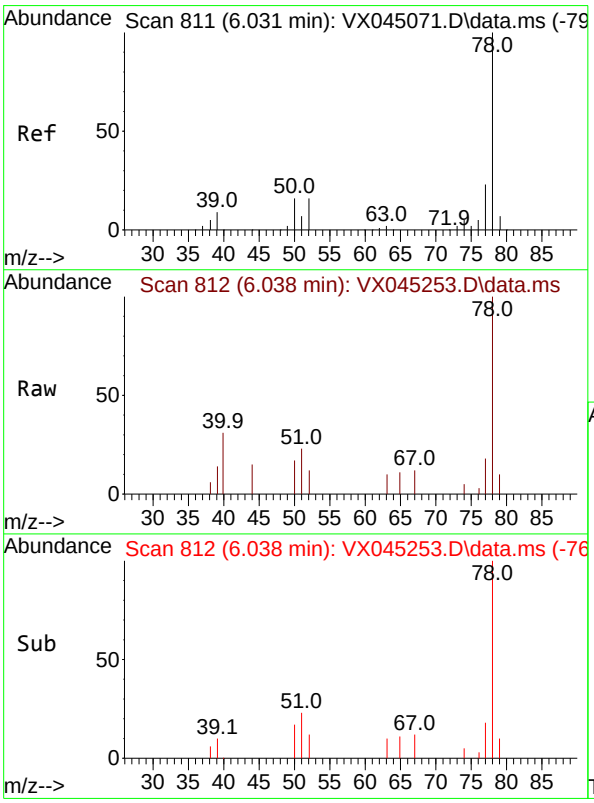
#35
Dibromofluoromethane
Concen: 52.348 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion:113 Resp: 45229

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.0	14.3	21.5

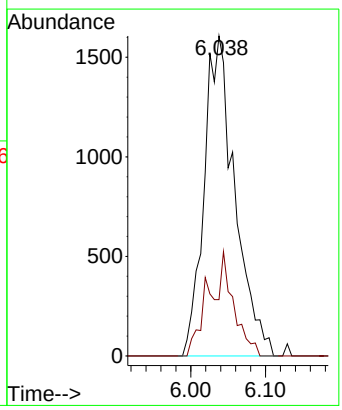


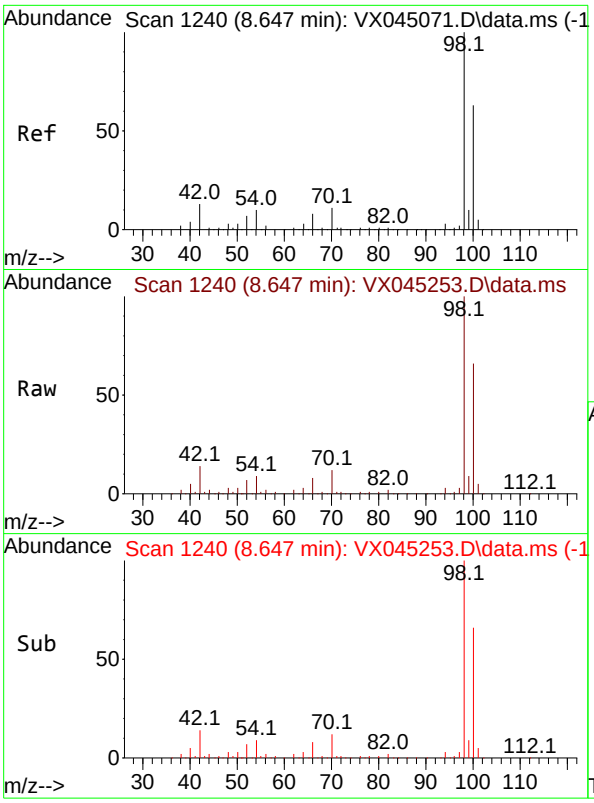


#40
Benzene
Concen: 1.228 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 78 Resp: 4594

Ion	Ratio	Lower	Upper
78	100		
77	17.6	18.8	28.2#



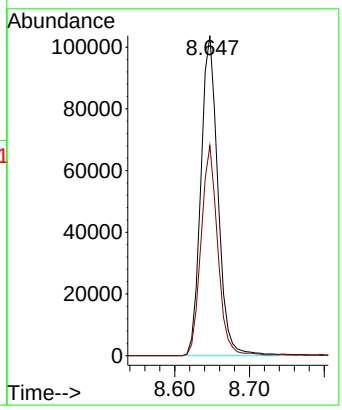


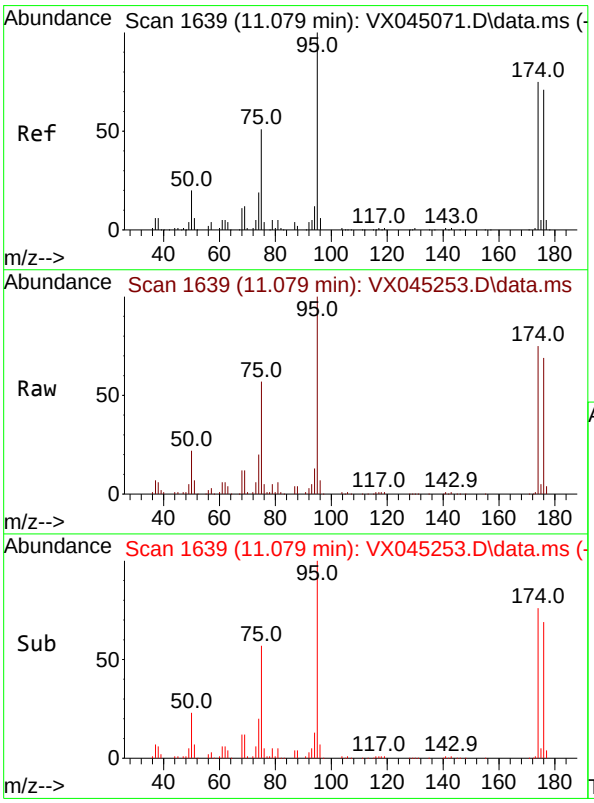
#50
Toluene-d8
Concen: 52.369 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion: 98 Resp: 164036

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0

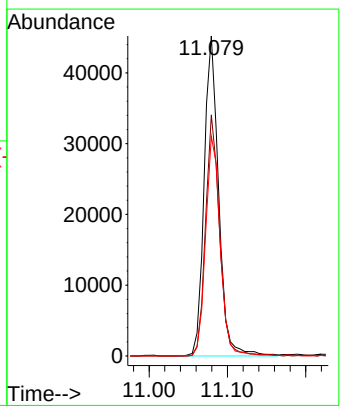


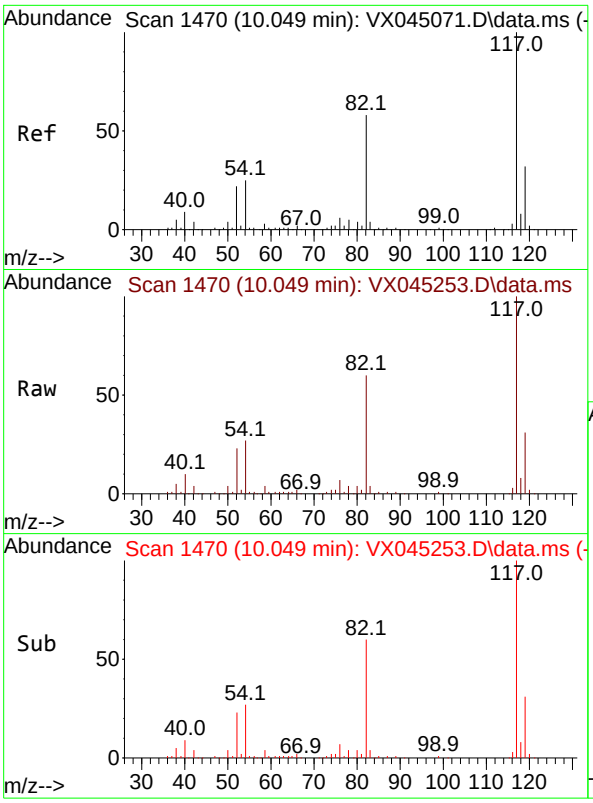


#62
4-Bromofluorobenzene
Concen: 55.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 95 Resp: 58034

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	148.2
176	69.1	0.0	141.4



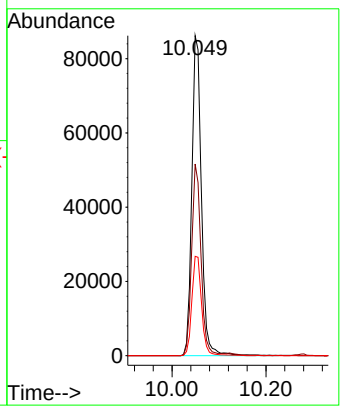


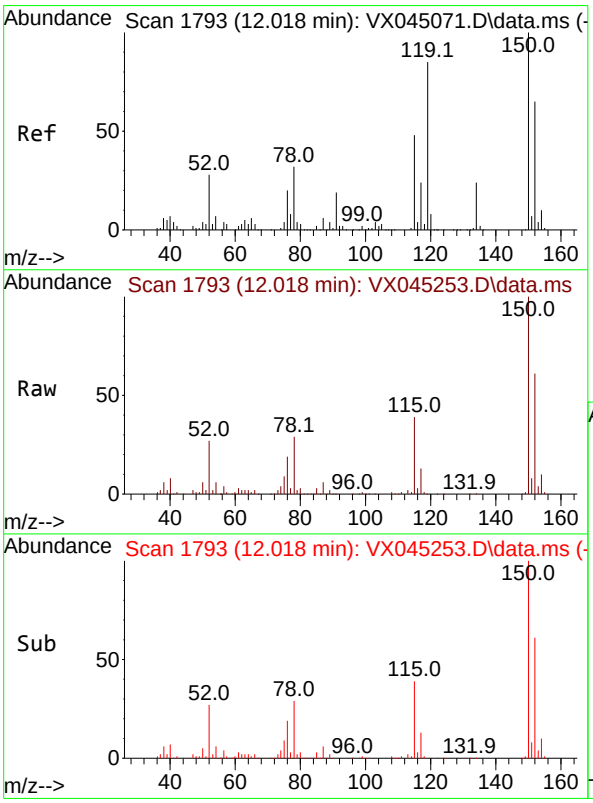
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion:117 Resp: 122481

Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.3	69.5
119	31.1	25.7	38.5

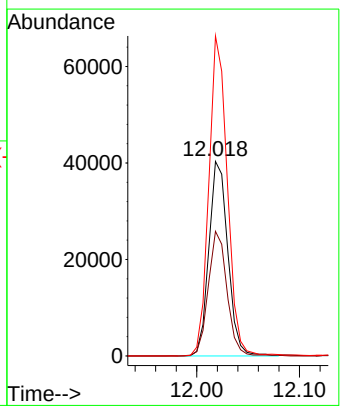


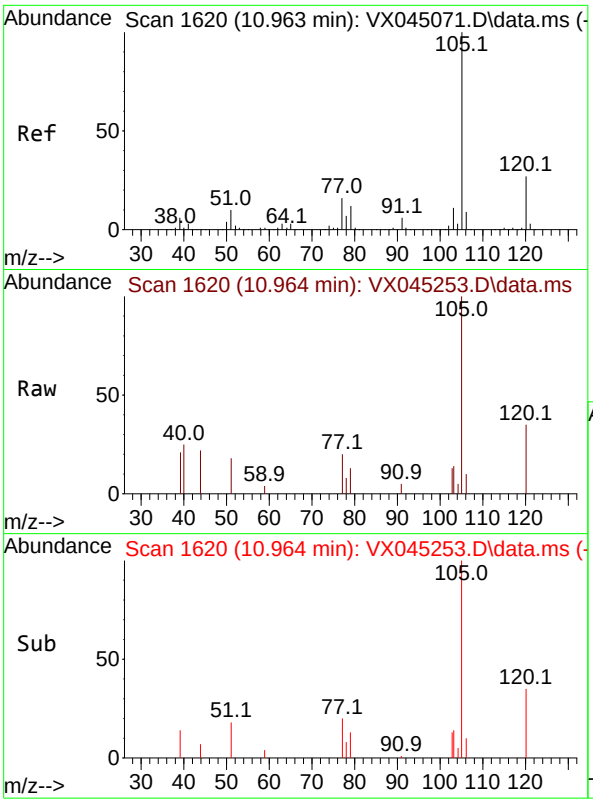


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion:152 Resp: 51784

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.2	132.6
150	160.1	0.0	349.0



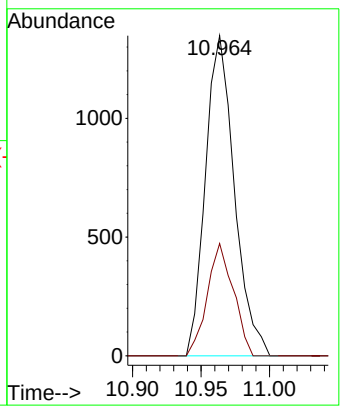


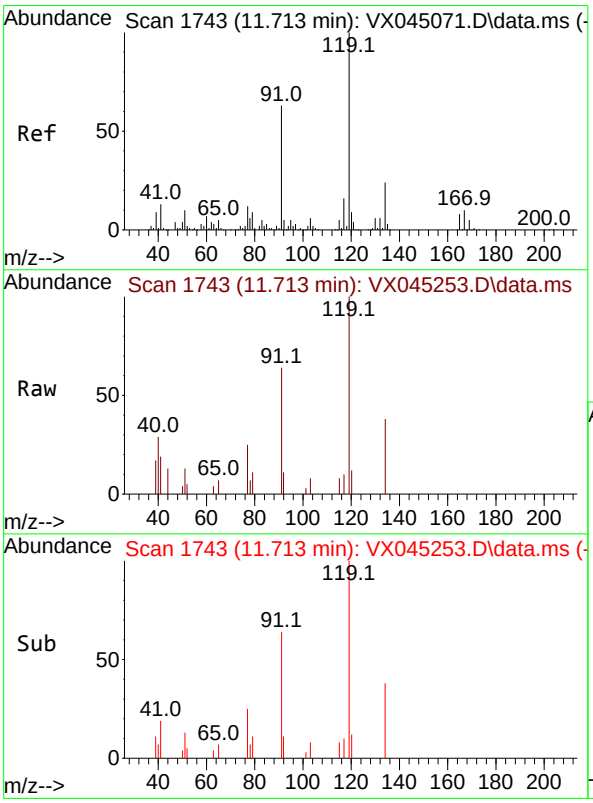
#73
Isopropylbenzene
Concen: 0.490 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion:105 Resp: 1980

Ion	Ratio	Lower	Upper
105	100		
120	31.6	13.2	39.5

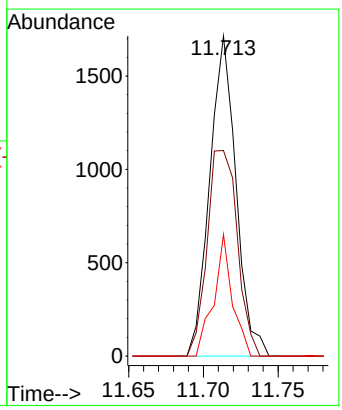


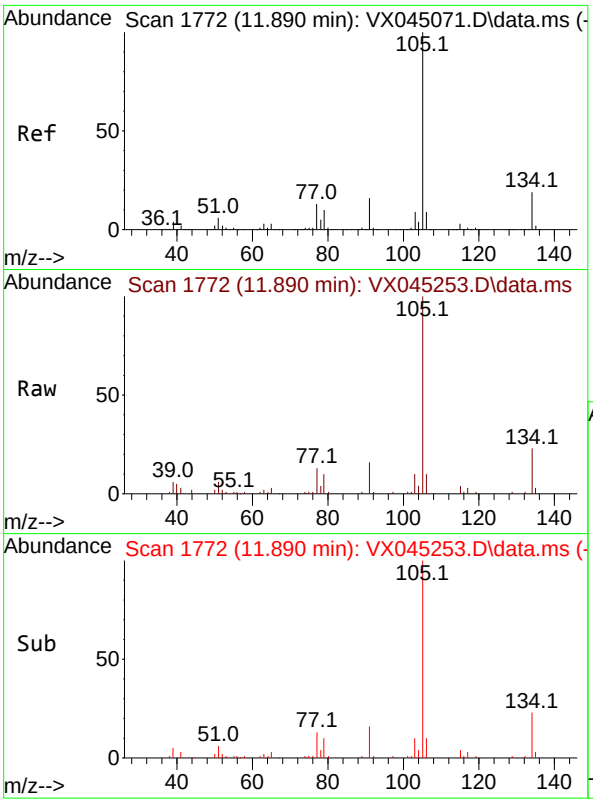


#83
tert-Butylbenzene
Concen: 0.624 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion:119 Resp: 2097

Ion	Ratio	Lower	Upper
119	100		
91	73.6	30.7	92.1
134	26.8	11.7	35.0



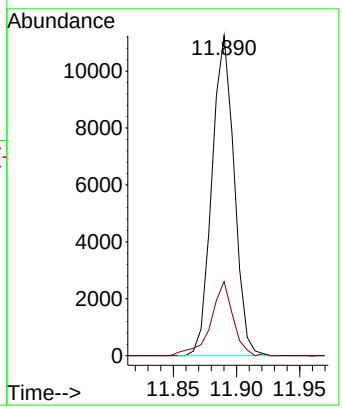


#85
sec-Butylbenzene
Concen: 3.416 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Tgt Ion:105 Resp: 13740

Ion	Ratio	Lower	Upper
105	100		
134	23.1	9.8	29.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

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\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045253.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.624	85	88	91	rVB4	5832	8056	1.78%	0.172%
2	5.379	694	704	722	rBV	51701	154522	34.14%	3.301%
3	5.544	722	731	749	rVV	72935	209091	46.20%	4.467%
4	5.952	786	798	808	rBV	59563	163072	36.03%	3.484%
5	6.757	920	930	941	rBV	130018	315556	69.72%	6.742%
6	8.647	1229	1240	1253	rBV	283298	452585	100.00%	9.669%
7	8.769	1255	1260	1266	rVB4	2579	4789	1.06%	0.102%
8	8.976	1287	1294	1298	rBV3	5215	8322	1.84%	0.178%
9	9.616	1394	1399	1403	rBV3	3150	5036	1.11%	0.108%
10	10.049	1465	1470	1479	rBV	282995	399731	88.32%	8.540%
11	10.122	1479	1482	1489	rVB4	2936	5483	1.21%	0.117%
12	10.598	1549	1560	1565	rBV5	2432	6305	1.39%	0.135%
13	10.964	1616	1620	1624	rBV	3550	4964	1.10%	0.106%
14	11.079	1634	1639	1653	rBV	228780	292535	64.64%	6.250%
15	11.616	1721	1727	1732	rBV3	3974	5814	1.28%	0.124%
16	11.713	1736	1743	1749	rBV2	6176	8405	1.86%	0.180%
17	11.890	1760	1772	1778	rBV	27383	40041	8.85%	0.855%
18	12.018	1788	1793	1802	rBV	277856	345815	76.41%	7.388%
19	12.177	1815	1819	1824	rBV	14716	17888	3.95%	0.382%
20	12.244	1824	1830	1837	rVV2	102173	137032	30.28%	2.928%
21	12.311	1837	1841	1851	rVB2	20347	29136	6.44%	0.622%
22	12.591	1880	1887	1891	rBV4	3639	6393	1.41%	0.137%
23	12.646	1891	1896	1901	rVV	30543	42579	9.41%	0.910%
24	12.695	1901	1904	1906	rVV2	11118	14211	3.14%	0.304%
25	12.719	1906	1908	1912	rVV3	12454	16354	3.61%	0.349%
26	12.756	1912	1914	1918	rVB2	4101	4783	1.06%	0.102%
27	12.835	1920	1927	1932	rVB	22986	34494	7.62%	0.737%
28	12.896	1932	1937	1940	rBV2	6400	7860	1.74%	0.168%
29	12.969	1946	1949	1953	rVB	4785	5535	1.22%	0.118%
30	13.030	1953	1959	1965	rVB3	16087	25082	5.54%	0.536%
31	13.134	1965	1976	1979	rBV2	25902	39137	8.65%	0.836%
32	13.170	1979	1982	1984	rBV	14161	15838	3.50%	0.338%
33	13.292	1997	2002	2008	rBV	204660	256181	56.60%	5.473%
34	13.347	2008	2011	2016	rVV3	9150	13791	3.05%	0.295%
35	13.390	2016	2018	2020	rVV3	5492	6380	1.41%	0.136%
36	13.420	2020	2023	2032	rVB3	9749	15436	3.41%	0.330%

Sample Results: **VX045253.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

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\82X022825W.M
Title : SW846 8260

37	13.506	2032	2037	2039	rBV2	15625	21203	4.68%	0.453%
38	13.536	2039	2042	2046	rVV	28300	37582	8.30%	0.803%
39	13.585	2046	2050	2053	rVV	46678	60206	13.30%	1.286%
40	13.640	2053	2059	2060	rVV2	49342	80987	17.89%	1.730%
41	13.658	2060	2062	2072	rVV	78131	103336	22.83%	2.208%
42	13.750	2073	2077	2081	rVV2	12264	16575	3.66%	0.354%
43	13.792	2081	2084	2089	rVV3	4638	8570	1.89%	0.183%
44	13.853	2089	2094	2100	rVV2	86685	116746	25.80%	2.494%
45	13.926	2100	2106	2110	rVV	87886	123587	27.31%	2.640%
46	13.969	2110	2113	2117	rVV	39488	49276	10.89%	1.053%
47	14.006	2117	2119	2123	rVV	7023	7154	1.58%	0.153%
48	14.073	2125	2130	2133	rBV	46492	57910	12.80%	1.237%
49	14.103	2133	2135	2142	rVB4	11264	13647	3.02%	0.292%
50	14.213	2147	2153	2162	rVV	42446	73705	16.29%	1.575%
51	14.286	2162	2165	2167	rVV2	7596	9959	2.20%	0.213%
52	14.323	2167	2171	2174	rVV2	15870	22291	4.93%	0.476%
53	14.371	2174	2179	2183	rVV	46712	66138	14.61%	1.413%
54	14.414	2183	2186	2192	rVV	11731	15859	3.50%	0.339%
55	14.481	2192	2197	2202	rVV2	126410	180814	39.95%	3.863%
56	14.524	2202	2204	2210	rVV5	6979	12828	2.83%	0.274%
57	14.615	2210	2219	2225	rVV3	41962	101069	22.33%	2.159%
58	14.670	2225	2228	2233	rVV	34108	48497	10.72%	1.036%
59	14.725	2233	2237	2243	rVV4	10164	15072	3.33%	0.322%
60	14.786	2243	2247	2250	rVV2	17624	31376	6.93%	0.670%
61	14.817	2250	2252	2255	rVV2	22452	30719	6.79%	0.656%
62	14.847	2255	2257	2261	rVV2	15792	18409	4.07%	0.393%
63	14.902	2261	2266	2273	rVV3	14531	34116	7.54%	0.729%
64	14.981	2273	2279	2282	rVV7	3320	7186	1.59%	0.154%
65	15.048	2285	2290	2296	rVB	6679	10104	2.23%	0.216%
66	15.182	2305	2312	2319	rBV	36403	66586	14.71%	1.423%
67	15.255	2319	2324	2330	rVB3	8010	14354	3.17%	0.307%
68	15.408	2345	2349	2353	rVV	24724	34492	7.62%	0.737%
69	15.481	2357	2361	2363	rVV3	4805	6812	1.51%	0.146%
70	15.524	2363	2368	2373	rVV5	10380	19108	4.22%	0.408%
71	15.597	2376	2380	2387	rVB6	3797	7953	1.76%	0.170%
72	15.646	2387	2388	2396	rVB5	2675	5137	1.14%	0.110%
73	15.725	2396	2401	2405	rBV4	3521	7386	1.63%	0.158%
74	15.810	2410	2415	2418	rBV4	4039	6362	1.41%	0.136%
75	16.261	2483	2489	2492	rBV5	2373	4818	1.06%	0.103%
76	16.328	2492	2500	2505	rVV4	5413	14450	3.19%	0.309%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

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\82X022825W.M
Title : SW846 8260

Sum of corrected areas: 4680611

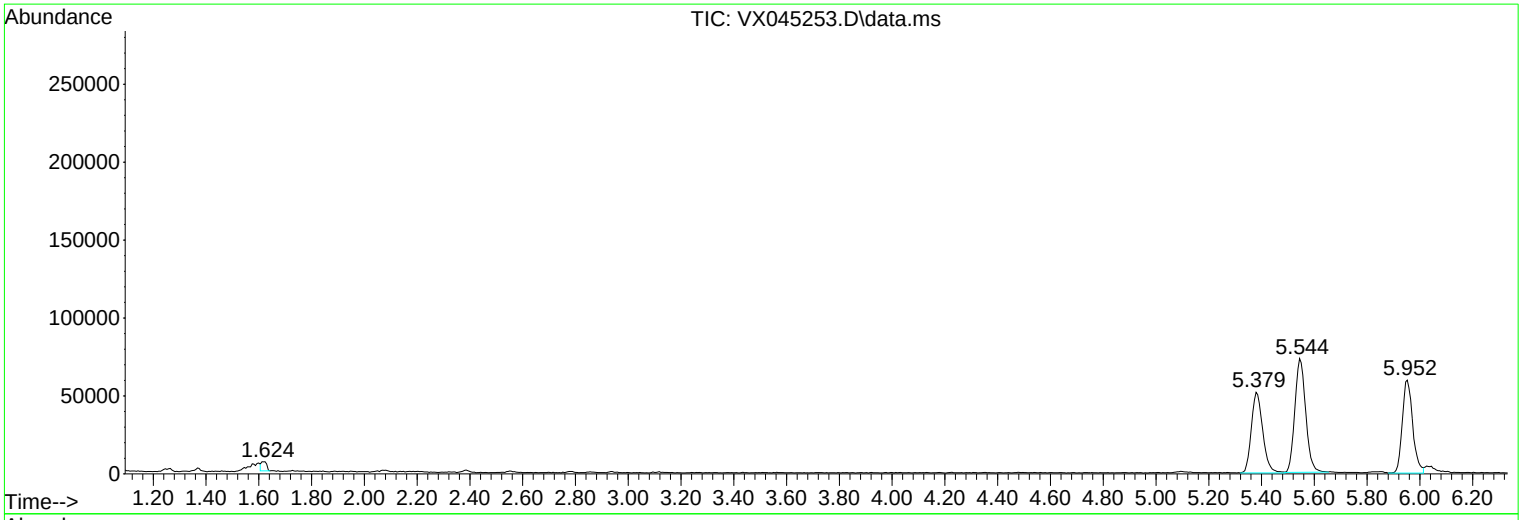
Sample Results: **VX045253.D**

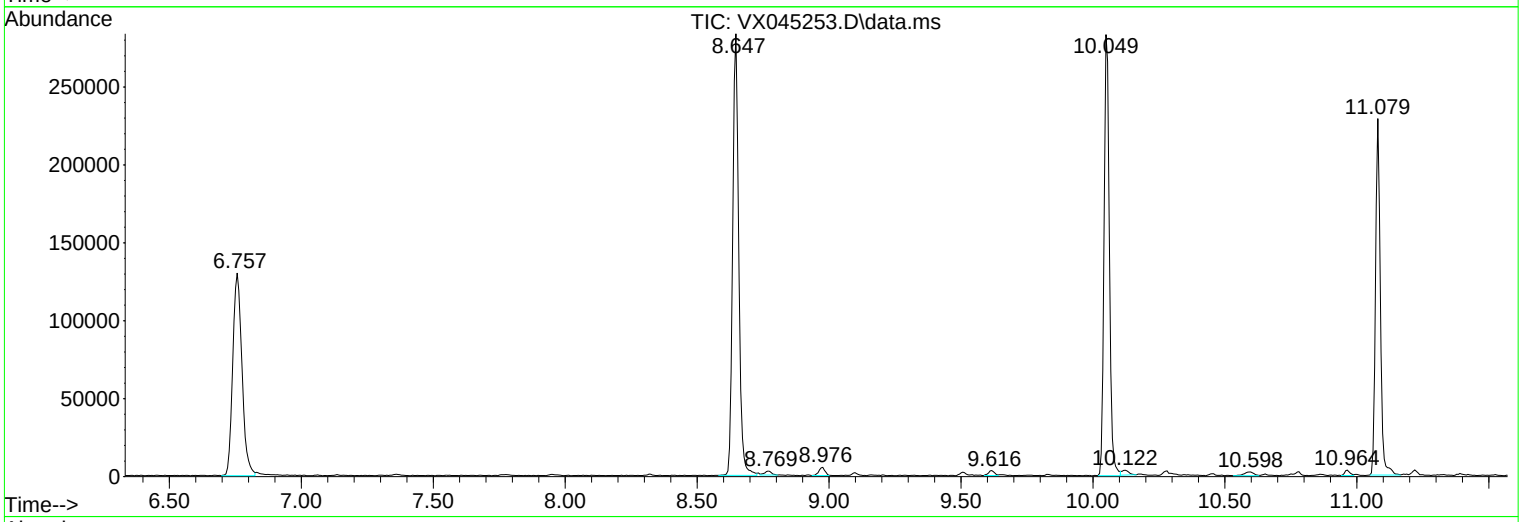
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

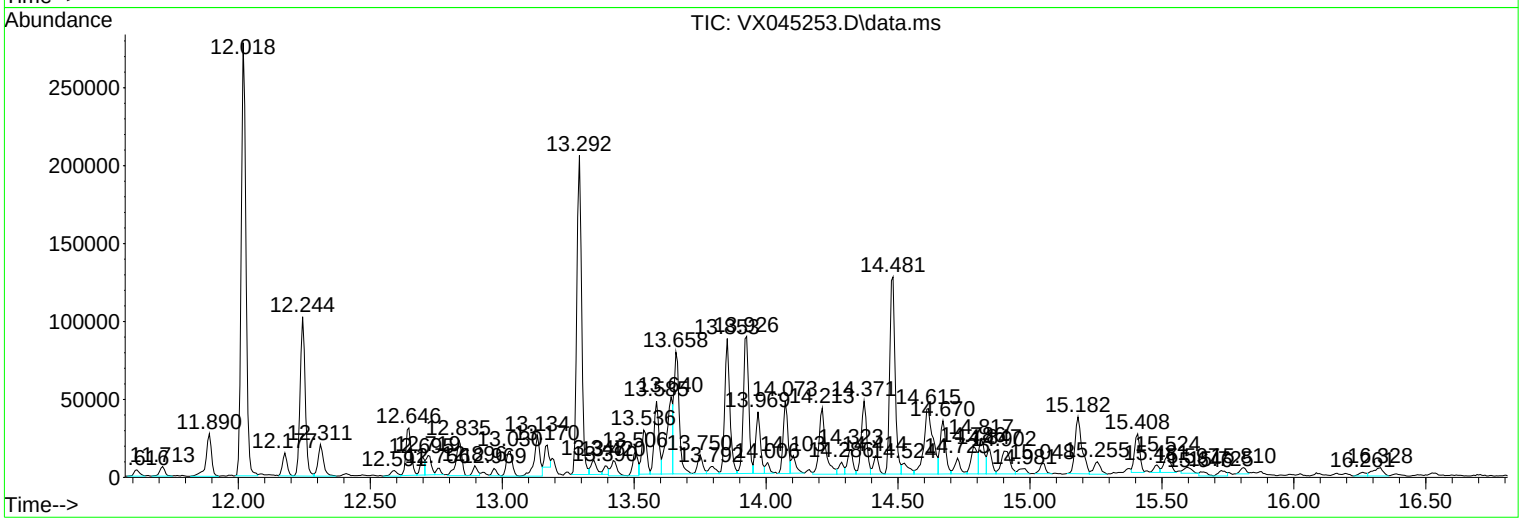
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

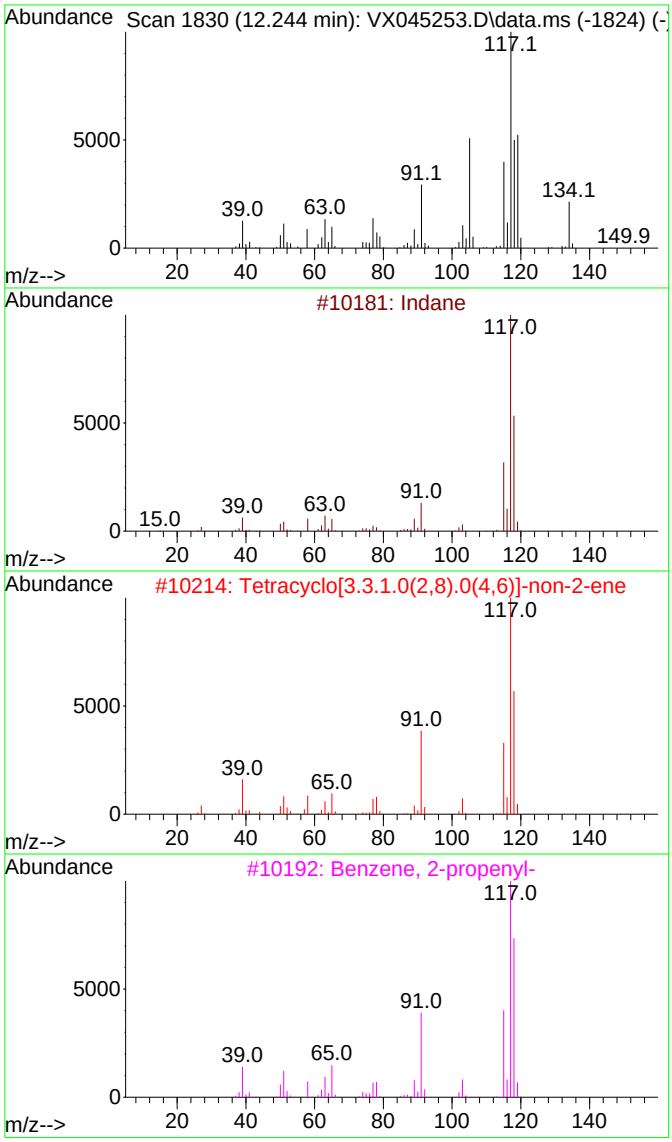
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

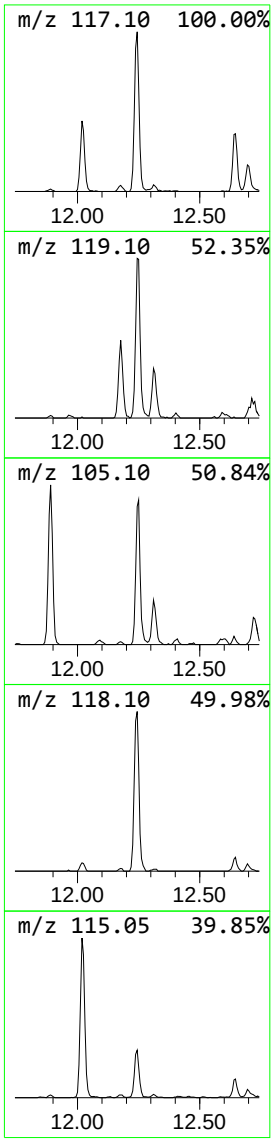
****

Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	19.81 ug/l	137032	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	55
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	55
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
4	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	55
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

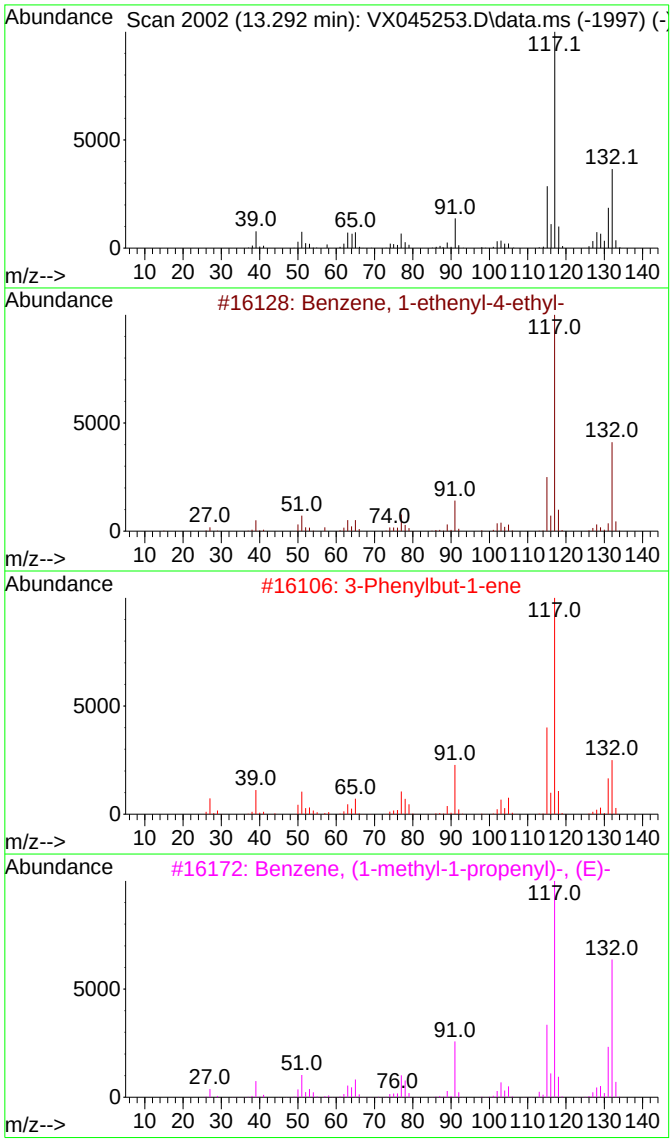
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

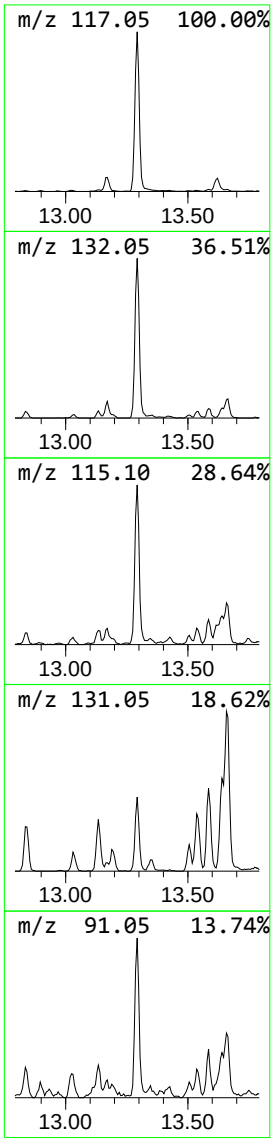
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	37.04 ug/l	256181	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

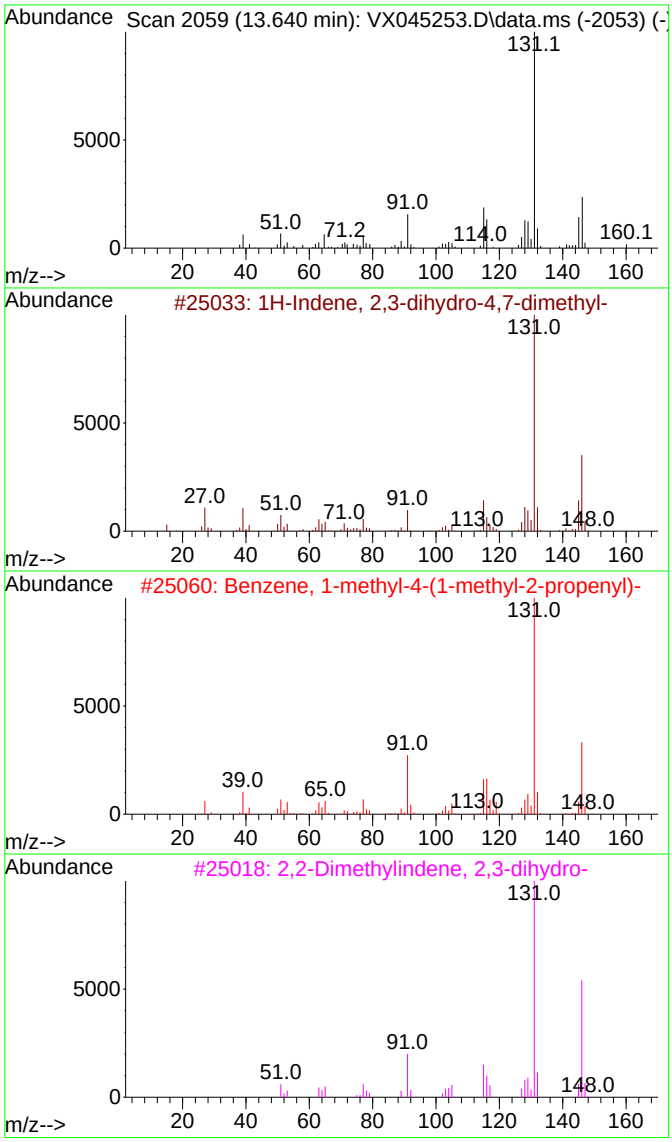
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

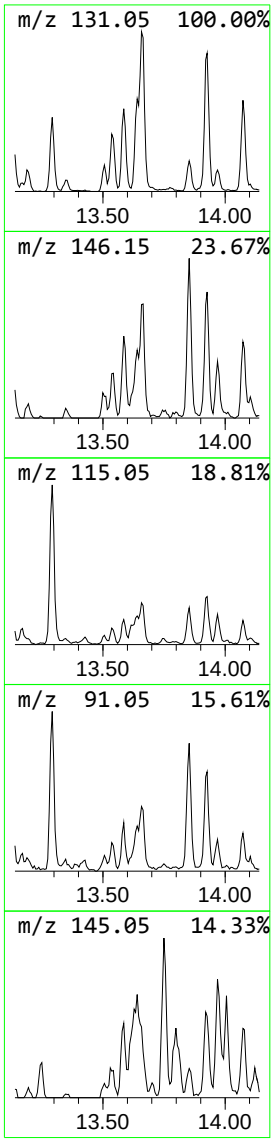
****

Peak Number 3 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.640	11.71 ug/l	80987	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

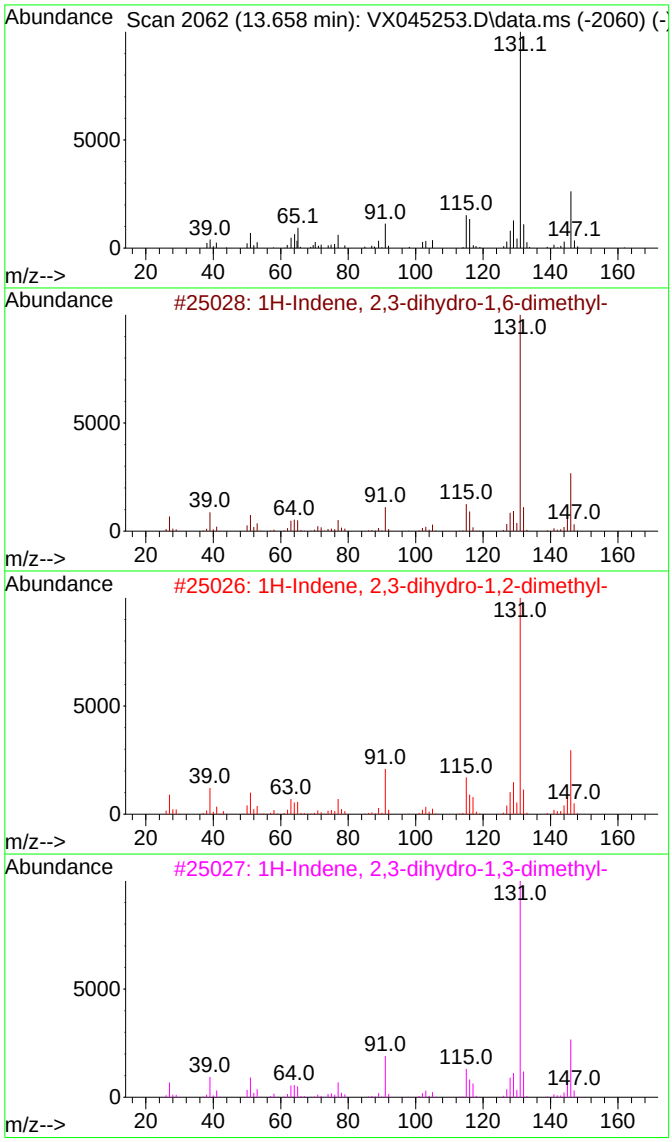
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

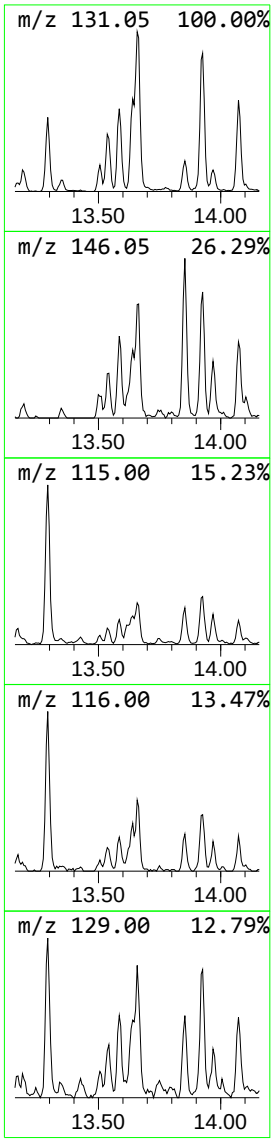
****

Peak Number 4 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.658	14.94 ug/l	103336	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

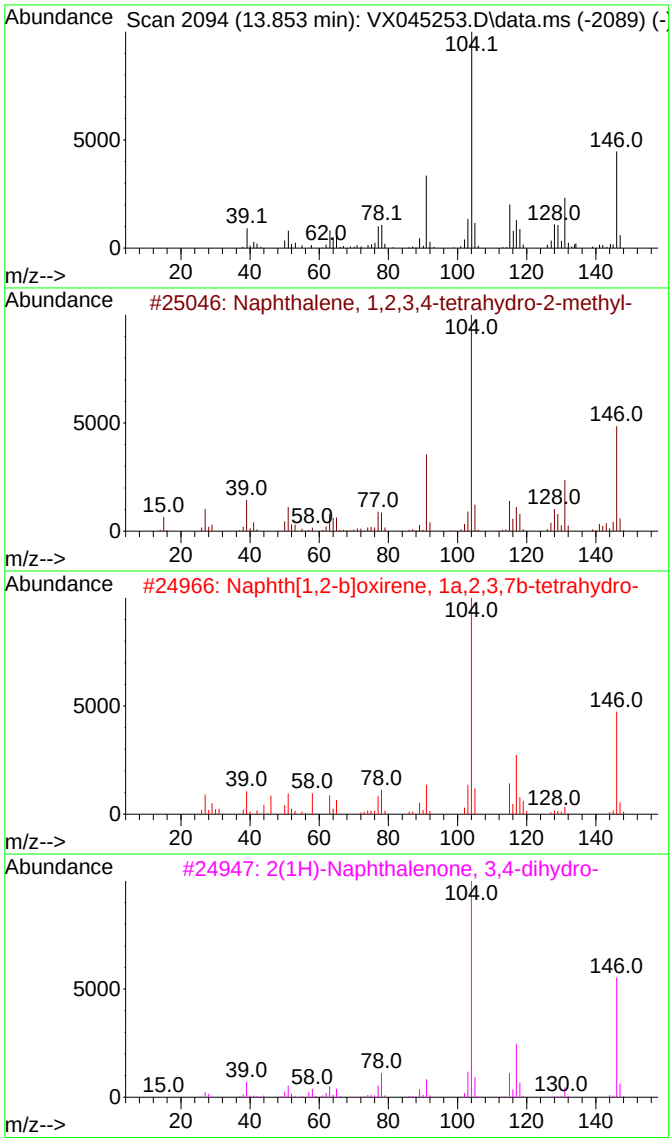
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

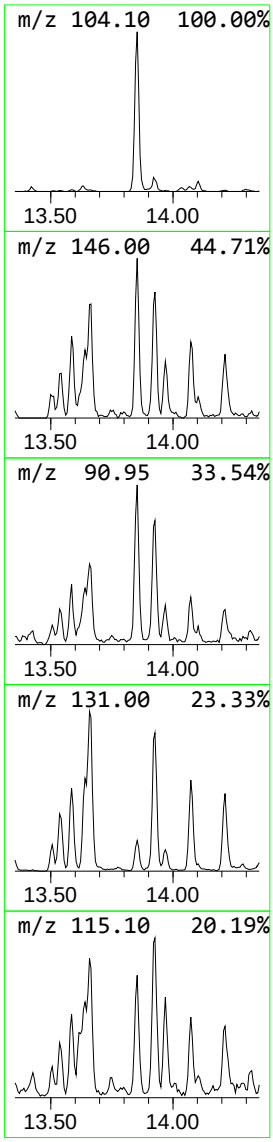
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.853	16.88 ug/l	116746	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70
3	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	62
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	50
5	7-Azabicyclo[4.2.2]deca-2,4,9-tr...	147	C9H9NO	017198-06-0	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

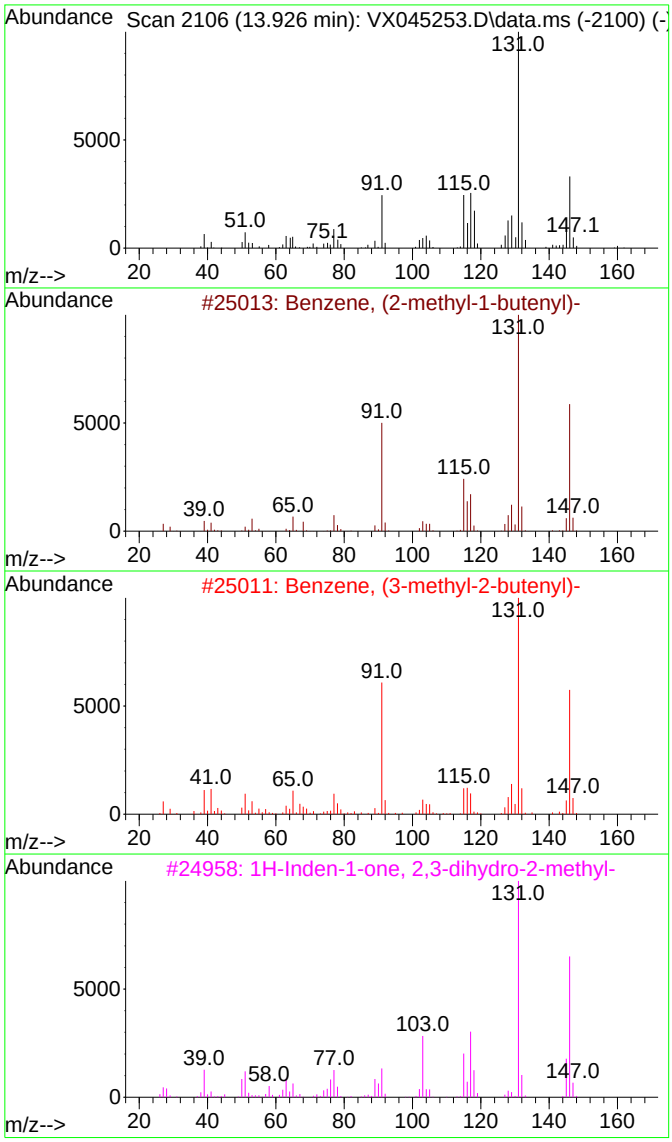
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

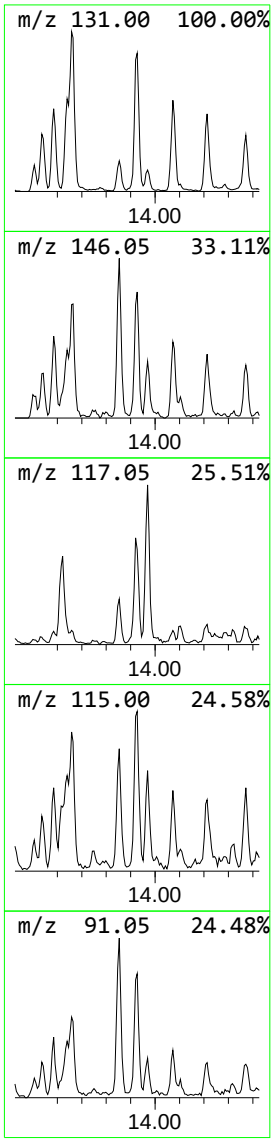
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (2-methyl-1-butenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.926	17.87 ug/l	123587	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

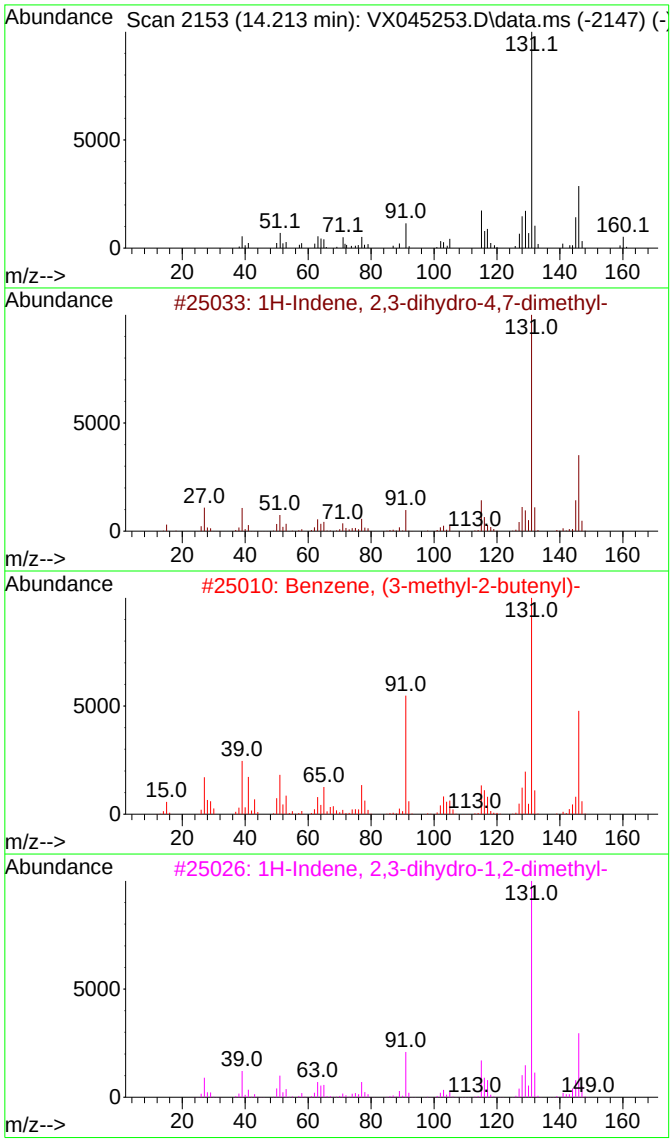
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

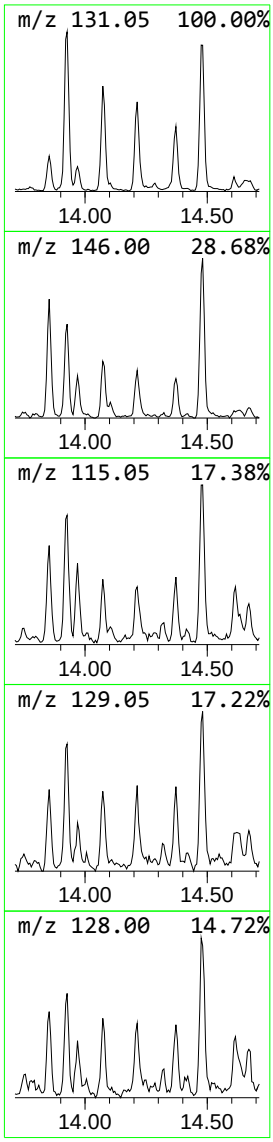
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (3-methyl-2-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.213	10.66 ug/l	73705	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

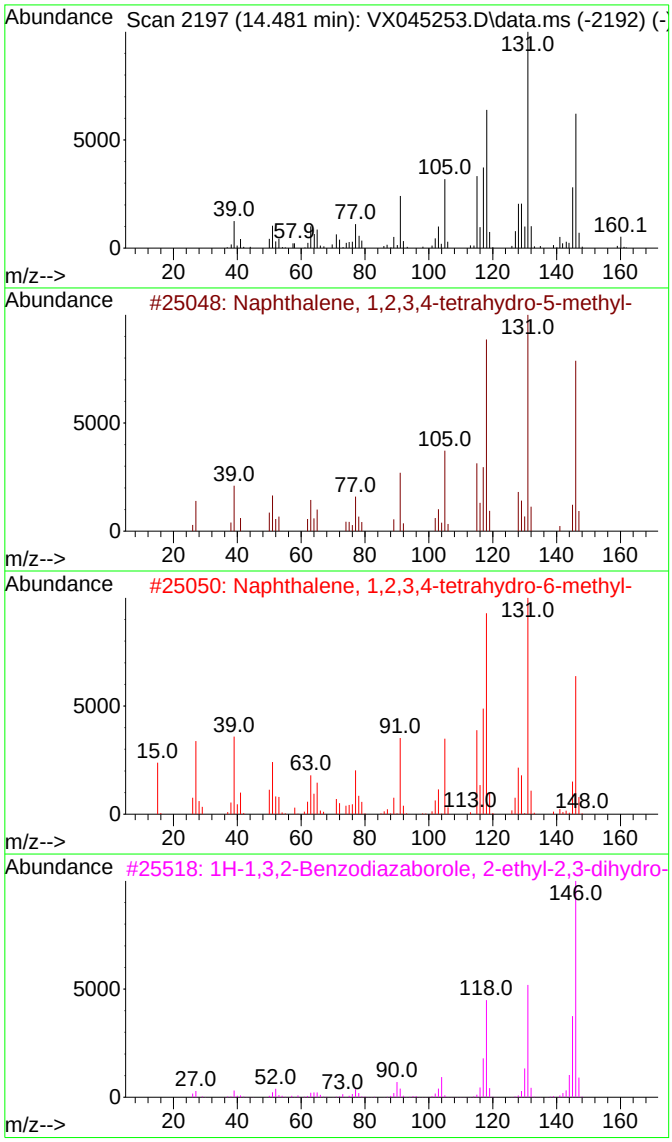
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

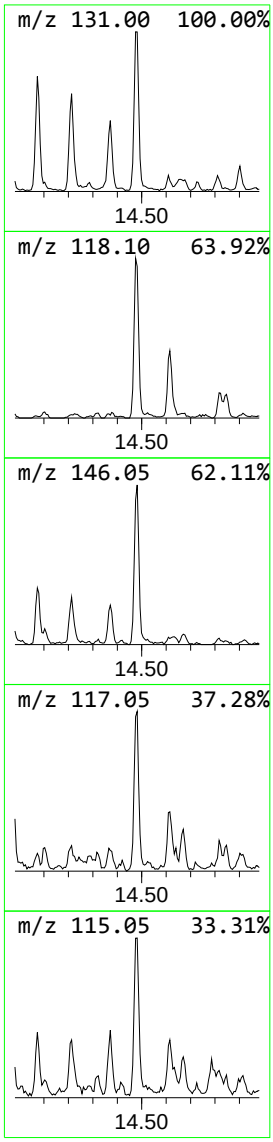
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.481	26.14 ug/l	180814	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	90
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	62
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58





```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On    : 12 Mar 2025  16:55
Operator  : JC/MD
Sample    : Q1539-01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 17   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title  : SW846 8260

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

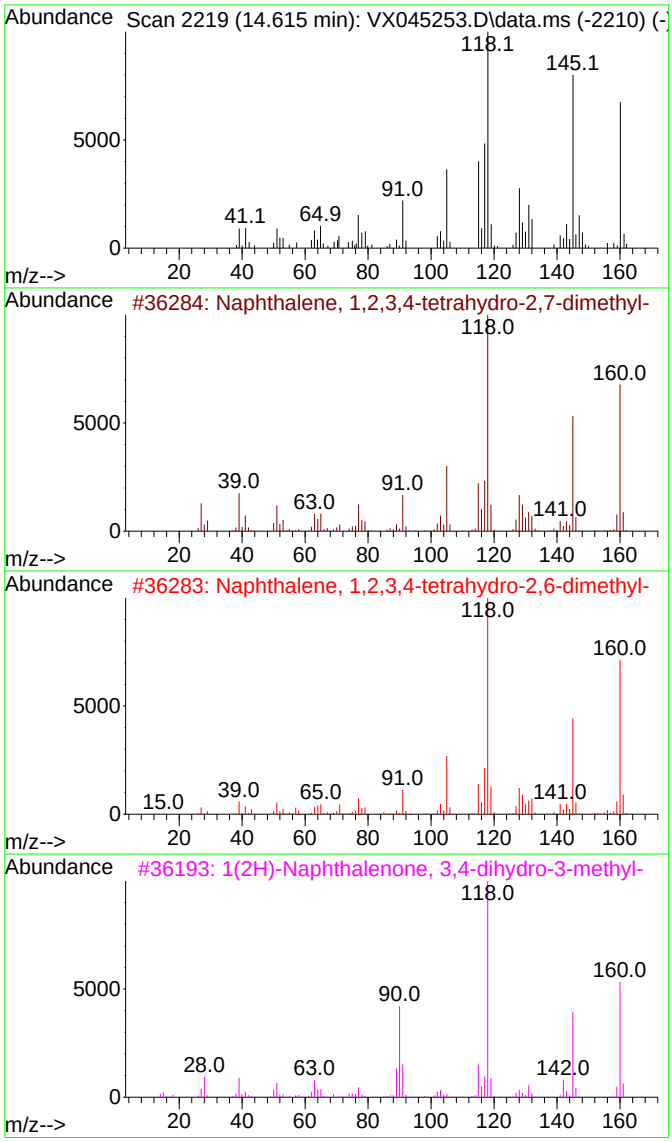
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

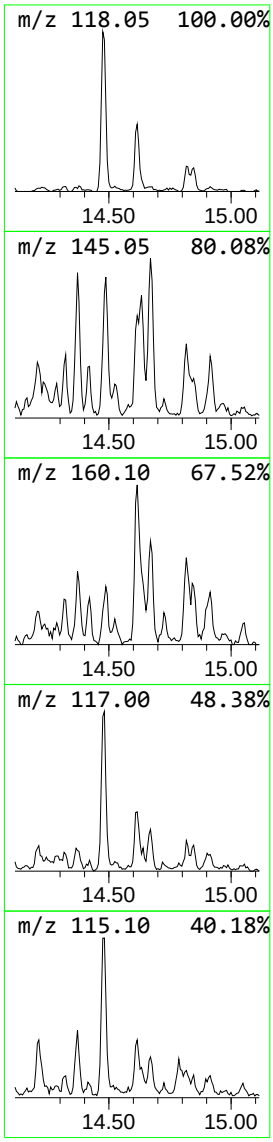
****

Peak Number 9 unknown14.615 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.615	14.61 ug/l	101069	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	49
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	46
3	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	43
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	42
5	1H-Inden-1-one, 2,3-dihydro-4,7-...	160	C11H12O	005037-60-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

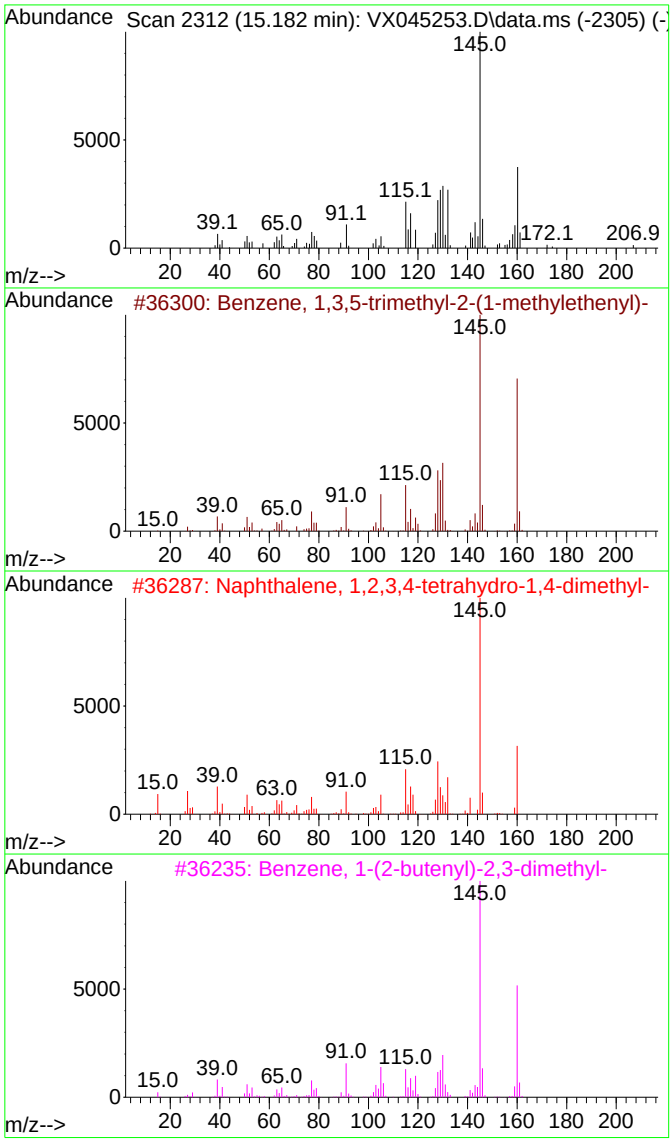
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

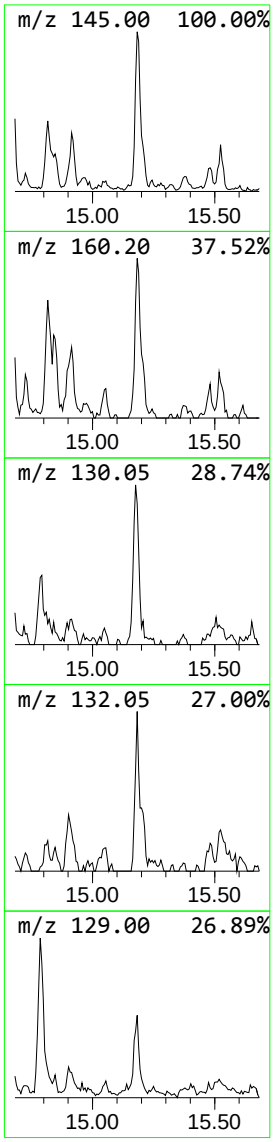
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	9.63 ug/l	66586	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	86
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045253.D
Acq On : 12 Mar 2025 16:55
Operator : JC/MD
Sample : Q1539-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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
Indane	12.244	19.8	ug/l	137032	4	12.018	345815	50.0
Benzene, 1-ethe...	13.292	37.0	ug/l	256181	4	12.018	345815	50.0
1H-Indene, 2,3-...	13.640	11.7	ug/l	80987	4	12.018	345815	50.0
1H-Indene, 2,3-...	13.658	14.9	ug/l	103336	4	12.018	345815	50.0
Naphthalene, 1,...	13.853	16.9	ug/l	116746	4	12.018	345815	50.0
Benzene, (2-met...	13.926	17.9	ug/l	123587	4	12.018	345815	50.0
Benzene, (3-met...	14.213	10.7	ug/l	73705	4	12.018	345815	50.0
Naphthalene, 1,...	14.481	26.1	ug/l	180814	4	12.018	345815	50.0
unknown14.615	14.615	14.6	ug/l	101069	4	12.018	345815	50.0
Benzene, 1,3,5-...	15.182	9.6	ug/l	66586	4	12.018	345815	50.0

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	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
VX045254.D	1		03/12/25 17:18	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	2.50	J	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	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
VX045254.D	1		03/12/25 17:18	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67900	5.55				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51900	12.018				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	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
VX045254.D	1		03/12/25 17:18	VX031225

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\VX031225\
Data File : VX045254.D
Acq On : 12 Mar 2025 17:18
Operator : JC/MD
Sample : Q1539-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Time: Mar 13 01:44:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

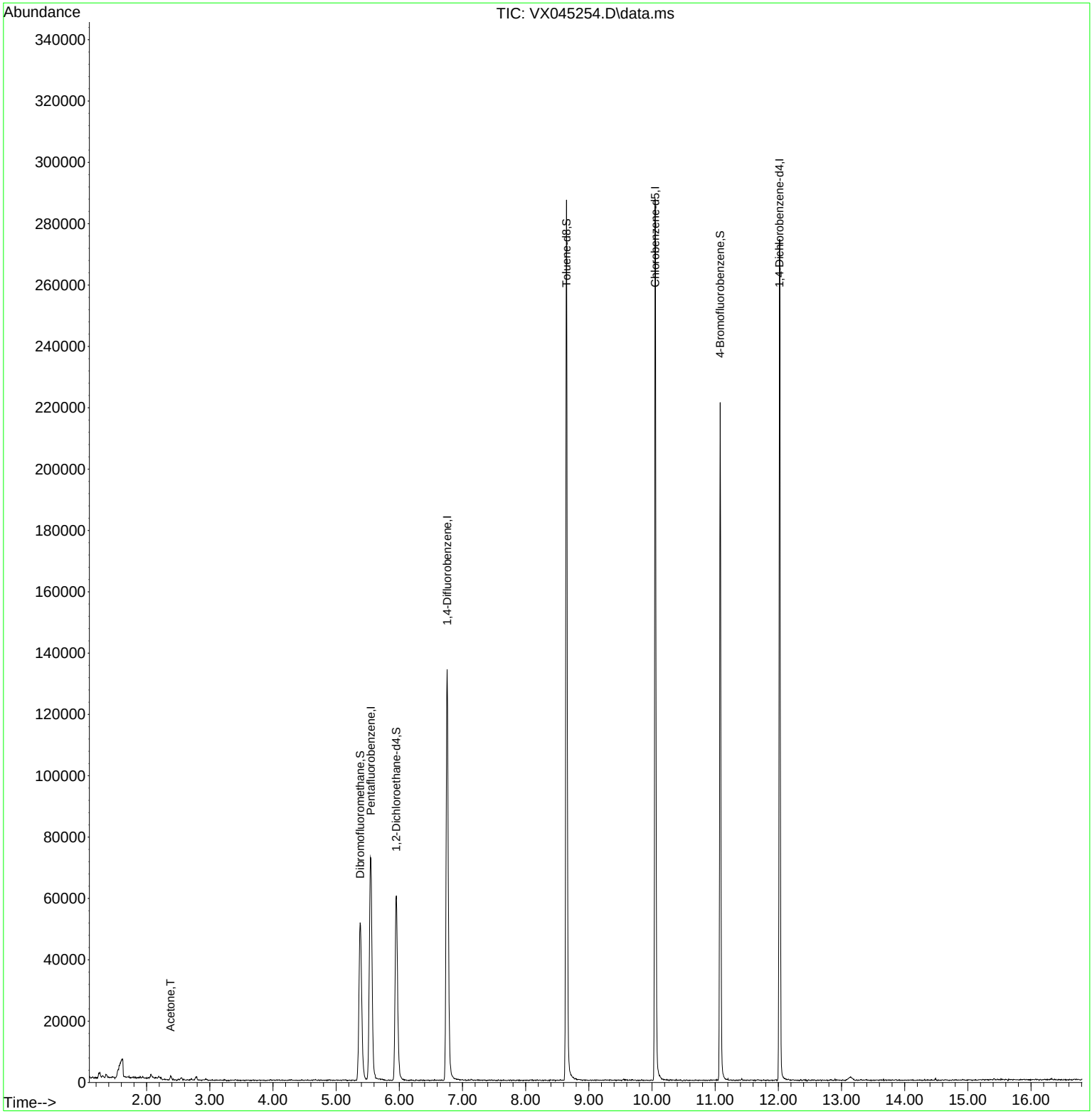
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58310	54.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.020%			
35) Dibromofluoromethane	5.379	113	46233	52.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.980%			
50) Toluene-d8	8.647	98	166005	51.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.980%			
62) 4-Bromofluorobenzene	11.079	95	58077	54.891	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.780%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1236	2.467	ug/l #	89

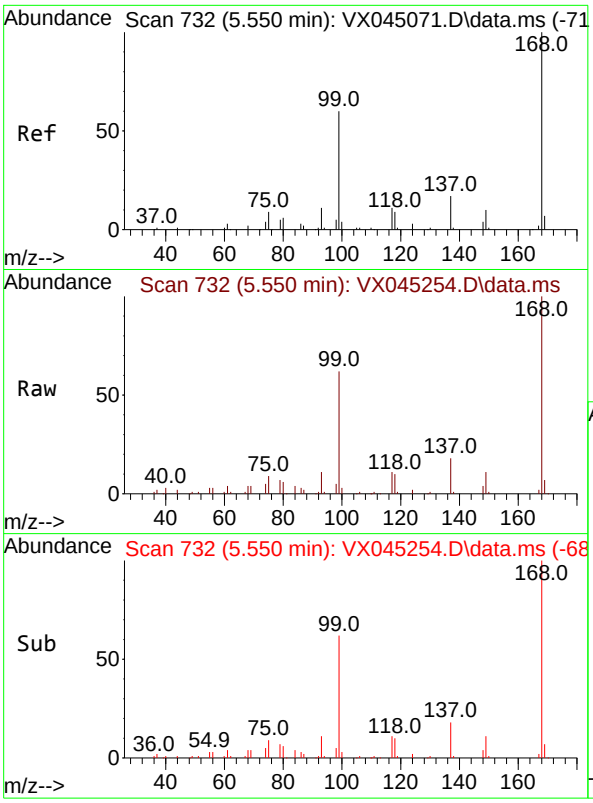
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045254.D
Acq On : 12 Mar 2025 17:18
Operator : JC/MD
Sample : Q1539-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Time: Mar 13 01:44:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



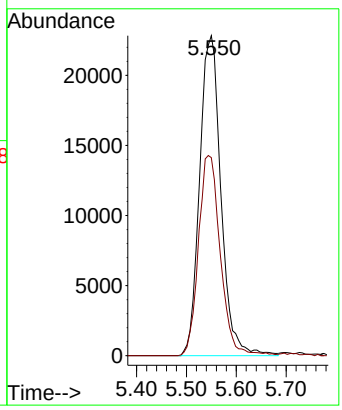


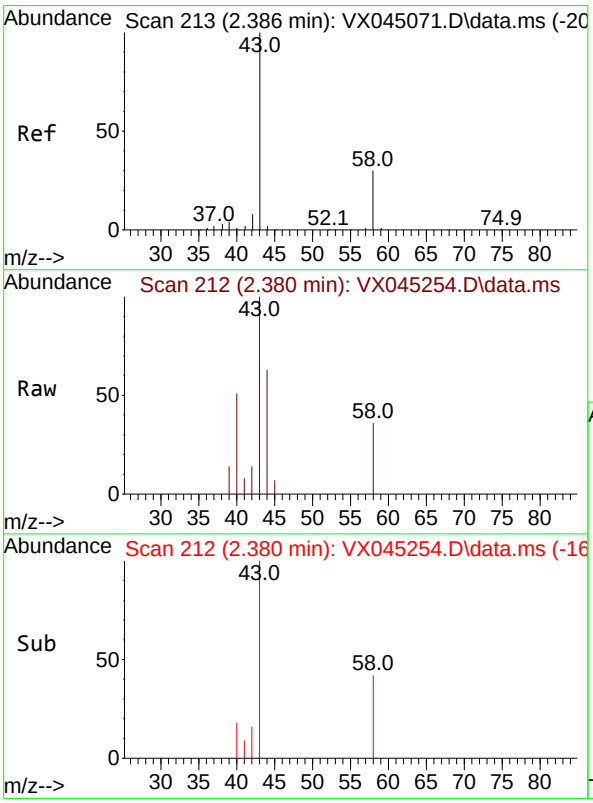
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Tgt Ion:168 Resp: 67874

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.2	72.4

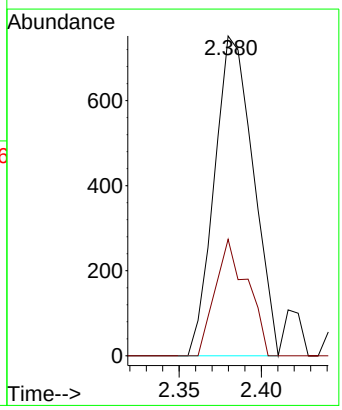


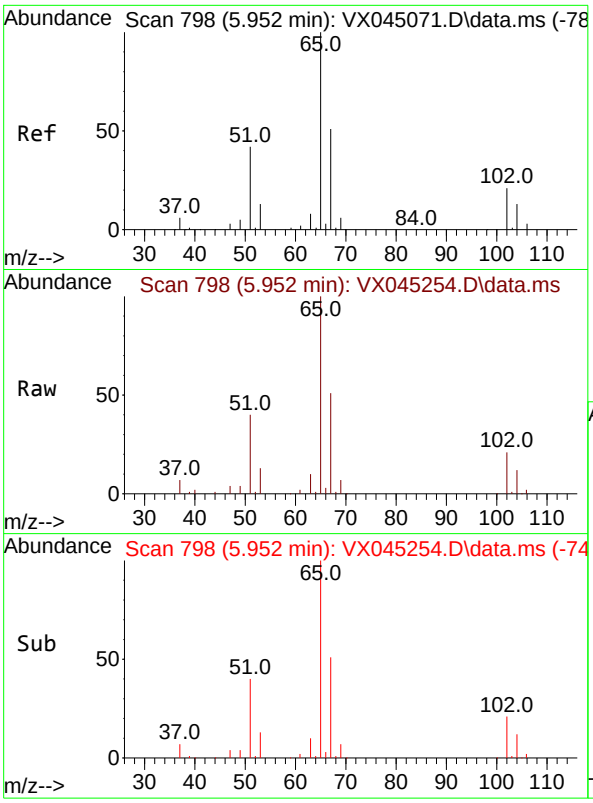


#16
Acetone
Concen: 2.467 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Tgt Ion: 43 Resp: 1236

Ion	Ratio	Lower	Upper
43	100		
58	36.4	24.2	36.4#



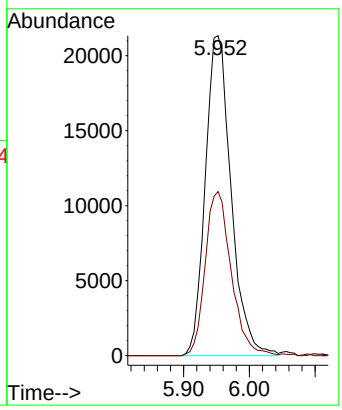


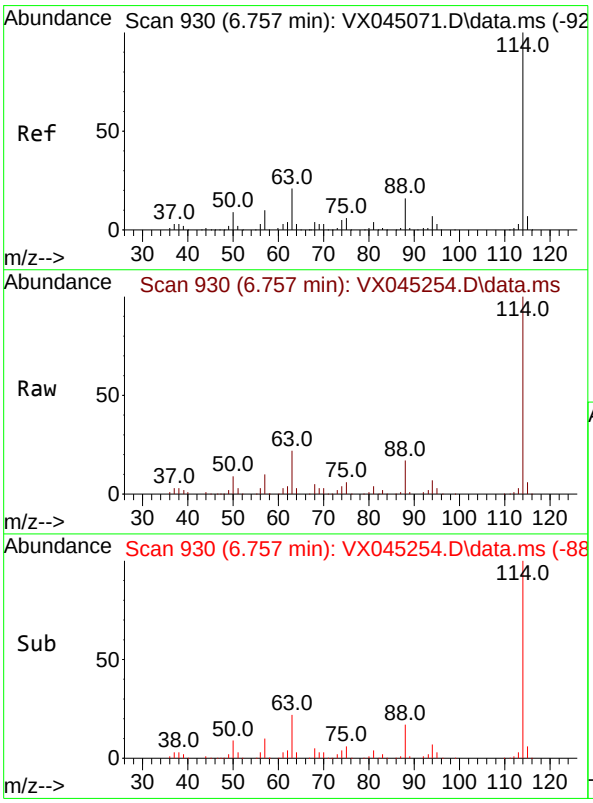
#33
1,2-Dichloroethane-d4
Concen: 54.009 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Tgt Ion: 65 Resp: 58310

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2

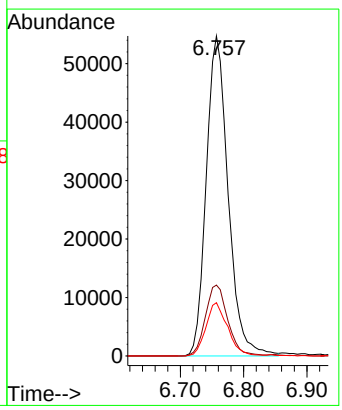


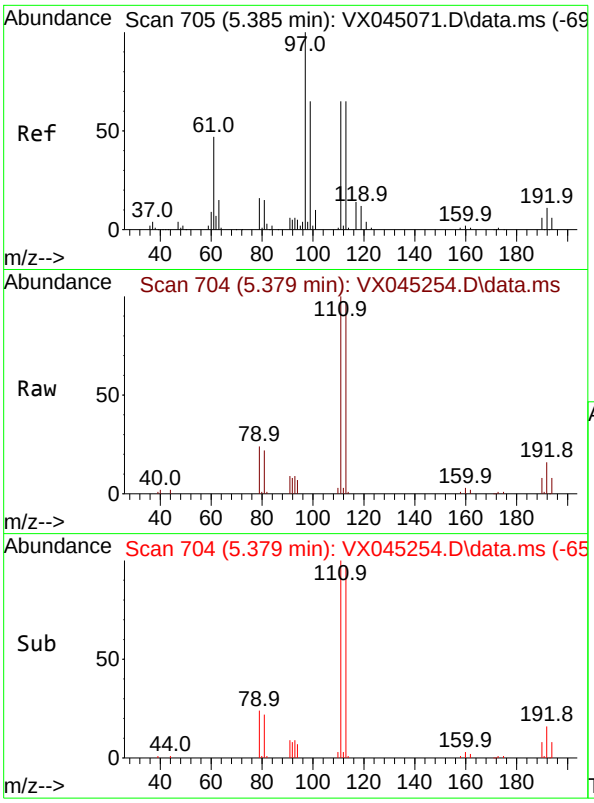


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Tgt Ion:114 Resp: 131712

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.6	0.0	32.8



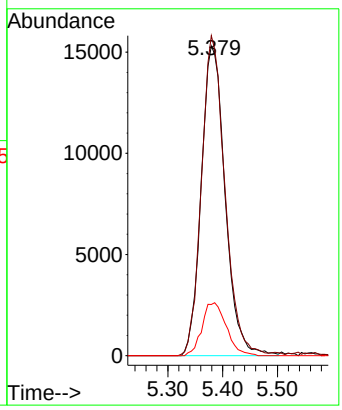


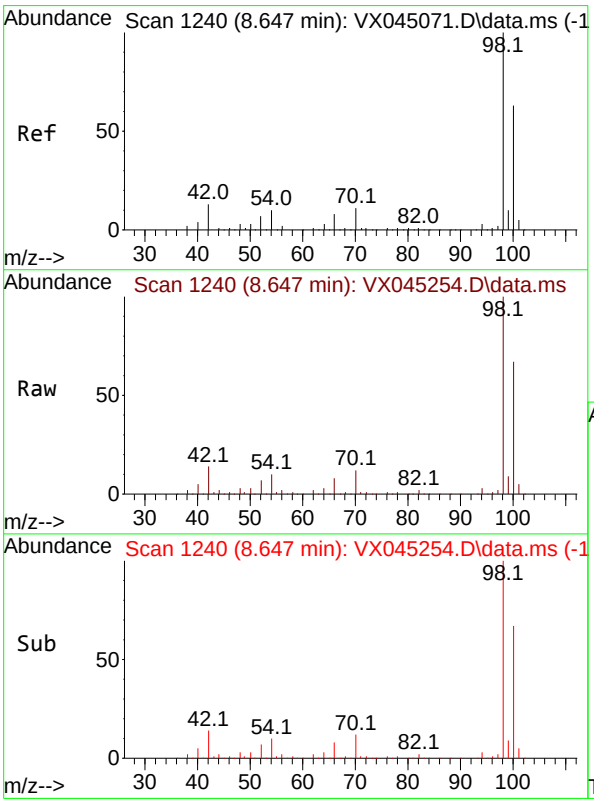
#35
Dibromofluoromethane
Concen: 52.494 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Tgt Ion:113 Resp: 46233

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	17.5	14.3	21.5

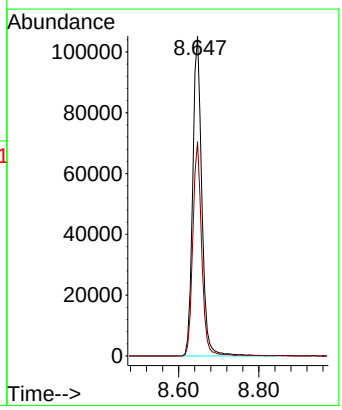


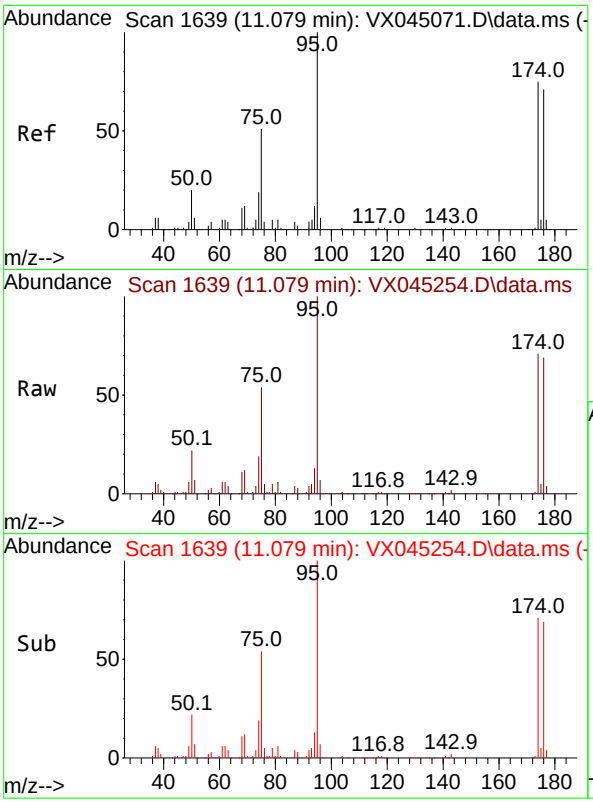


#50
Toluene-d8
Concen: 51.991 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Tgt Ion: 98 Resp: 166005

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0



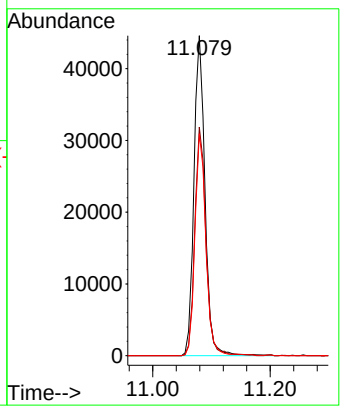


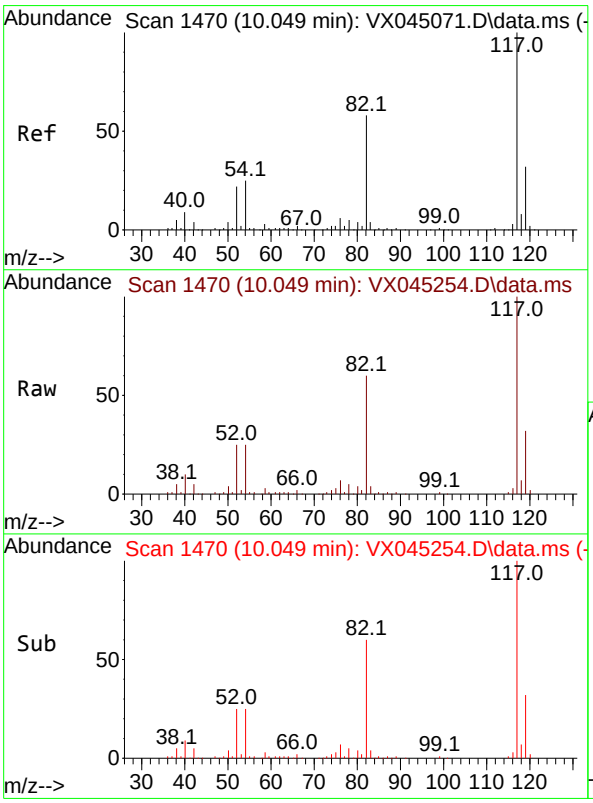
#62
4-Bromofluorobenzene
Concen: 54.891 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Tgt Ion: 95 Resp: 58077

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

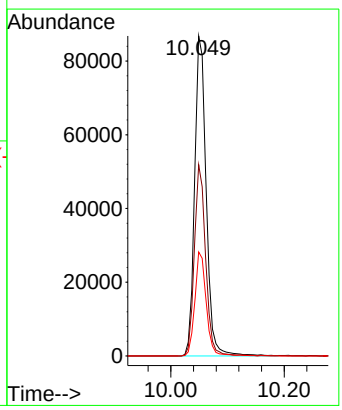


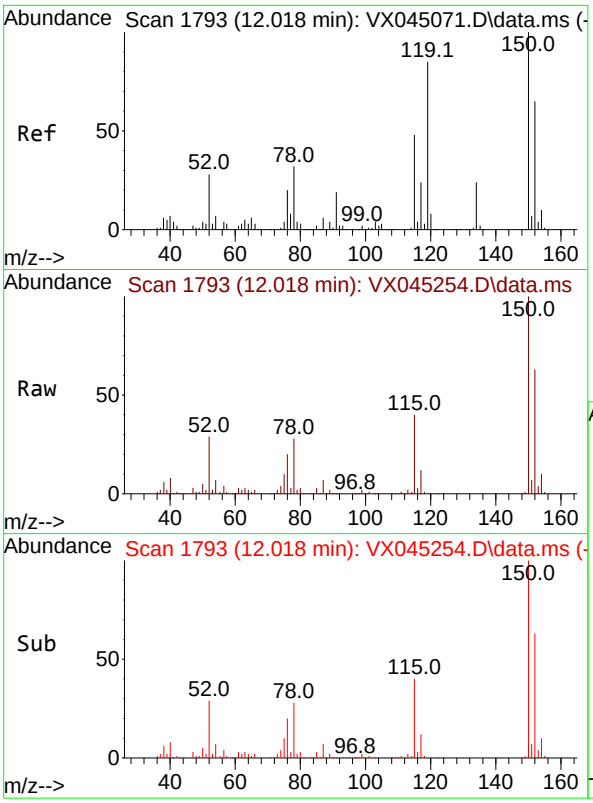


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Tgt Ion:117 Resp: 122865

Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	32.5	25.7	38.5



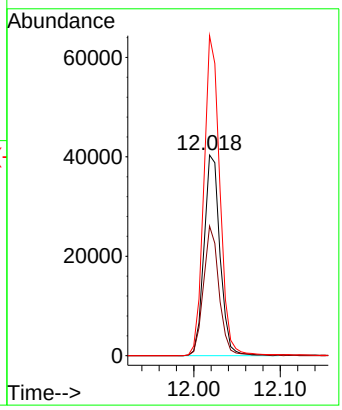


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045254.D
Acq: 12 Mar 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Tgt Ion:152 Resp: 51924

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.2	132.6
150	159.6	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045254.D
Acq On : 12 Mar 2025 17:18
Operator : JC/MD
Sample : Q1539-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

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\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045254.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.551	67	76	77	rBV4	3044	5573	1.24%	0.236%
2	1.618	79	87	90	rVB4	5762	17222	3.83%	0.728%
3	5.379	695	704	719	rBV2	51438	154673	34.36%	6.540%
4	5.544	721	731	744	rVV	72295	211384	46.95%	8.937%
5	5.952	787	798	814	rBV2	60292	165360	36.73%	6.992%
6	6.757	919	930	948	rBV	134059	325947	72.40%	13.781%
7	8.647	1233	1240	1251	rBV	287104	450188	100.00%	19.034%
8	10.049	1465	1470	1487	rBV	287347	400421	88.95%	16.930%
9	11.079	1634	1639	1655	rBV	220914	287961	63.96%	12.175%
10	12.018	1788	1793	1807	rBV	274233	346410	76.95%	14.646%

Sum of corrected areas: 2365139

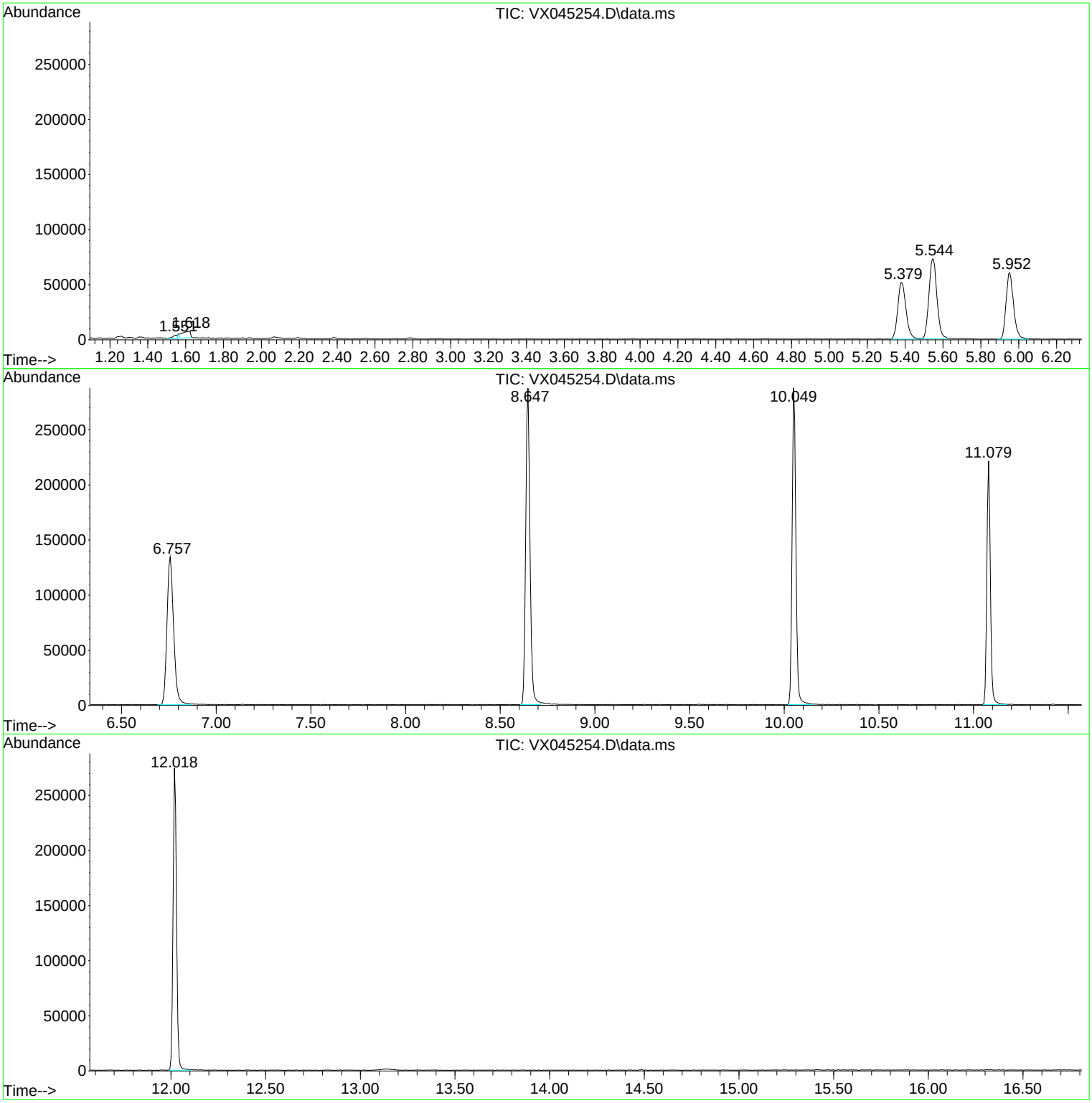
Sample Results: **VX045254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045254.D
Acq On : 12 Mar 2025 17:18
Operator : JC/MD
Sample : Q1539-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045254.D
Acq On : 12 Mar 2025 17:18
Operator : JC/MD
Sample : Q1539-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045254.D
Acq On : 12 Mar 2025 17:18
Operator : JC/MD
Sample : Q1539-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAP-TB-03-031025	SDG No.:	Q1539
Lab Sample ID:	Q1539-03	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
VX045250.D	1		03/12/25 15:45	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	1.70	J	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAP-TB-03-031025	SDG No.:	Q1539
Lab Sample ID:	Q1539-03	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
VX045250.D	1		03/12/25 15:45	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65600	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51300	12.018				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAP-TB-03-031025	SDG No.:	Q1539
Lab Sample ID:	Q1539-03	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
VX045250.D	1		03/12/25 15:45	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045250.D
Acq On : 12 Mar 2025 15:45
Operator : JC/MD
Sample : Q1539-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Quant Time: Mar 13 01:43:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

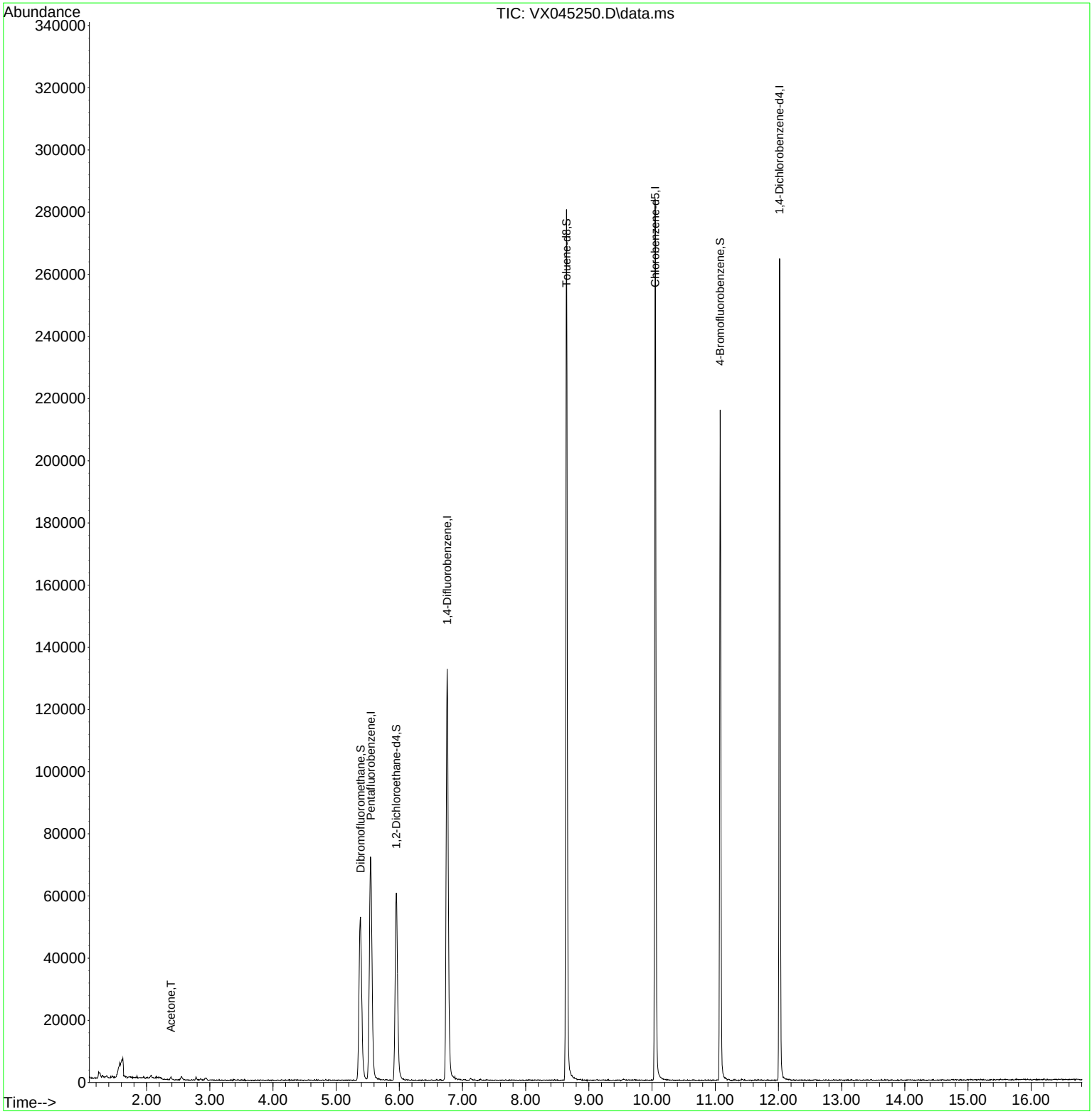
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129853	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57772	55.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	5.385	113	47155	54.308	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.620%			
50) Toluene-d8	8.647	98	164255	52.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.360%			
62) 4-Bromofluorobenzene	11.079	95	55851	53.543	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.080%			
Target Compounds						Qvalue
16) Acetone	2.386	43	830	1.714	ug/l #	78

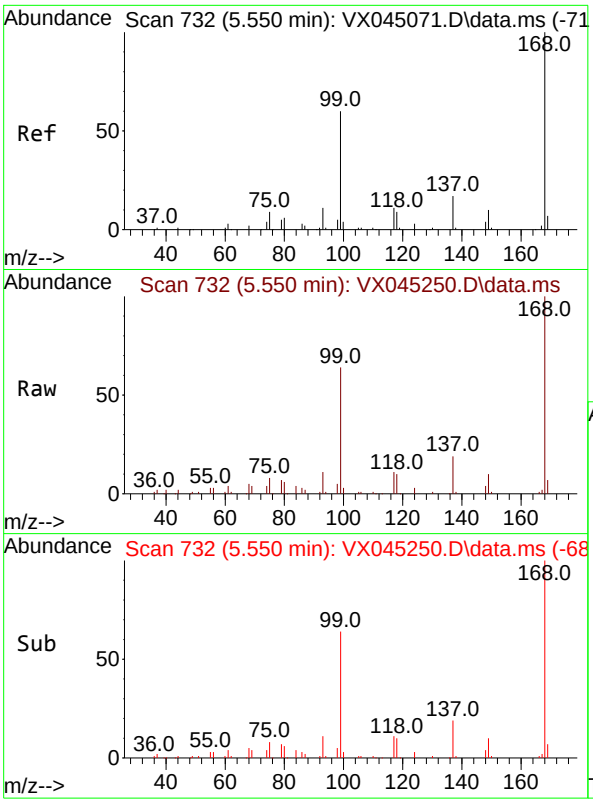
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045250.D
Acq On : 12 Mar 2025 15:45
Operator : JC/MD
Sample : Q1539-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Quant Time: Mar 13 01:43:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



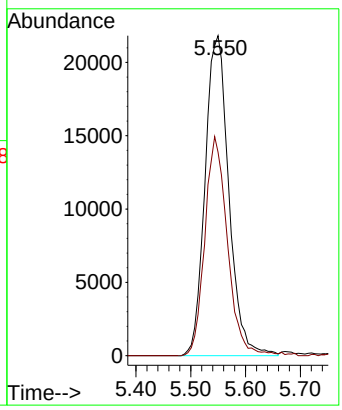


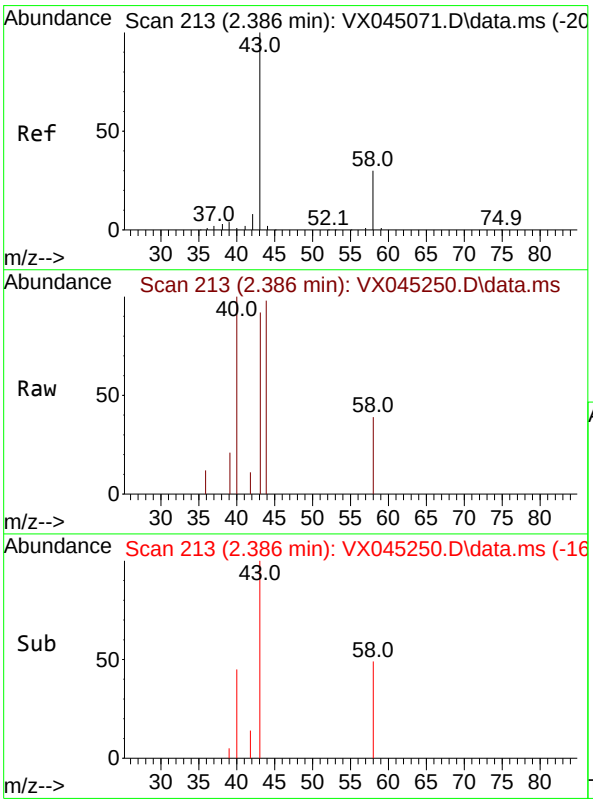
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Tgt Ion:168 Resp: 65606

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.2	72.4

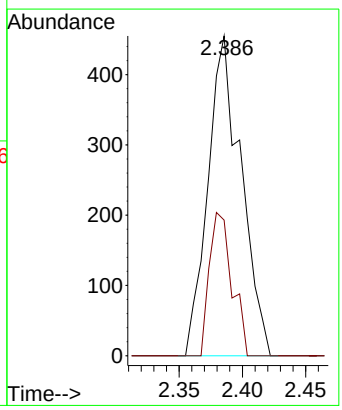


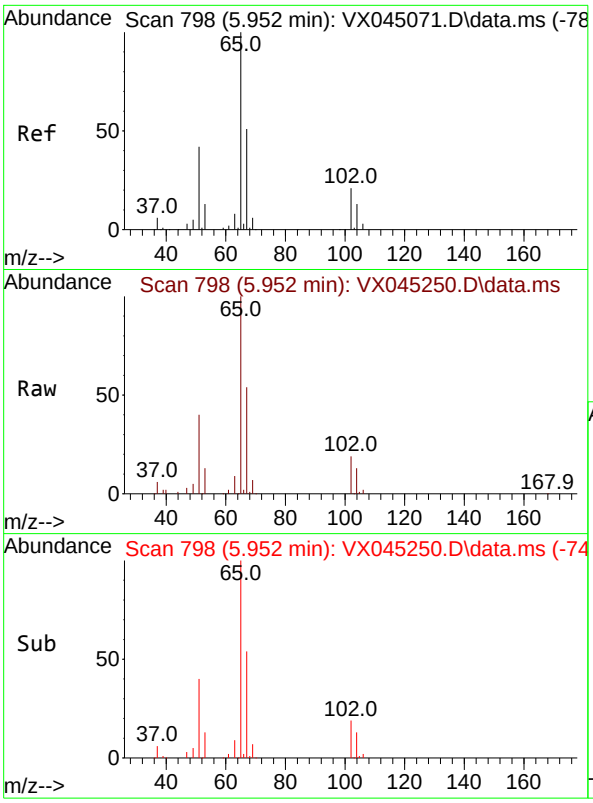


#16
Acetone
Concen: 1.714 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Tgt Ion: 43 Resp: 830

Ion	Ratio	Lower	Upper
43	100		
58	42.4	24.2	36.4#



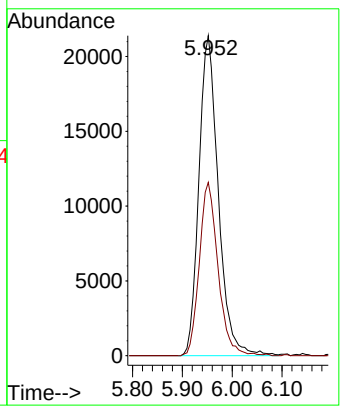


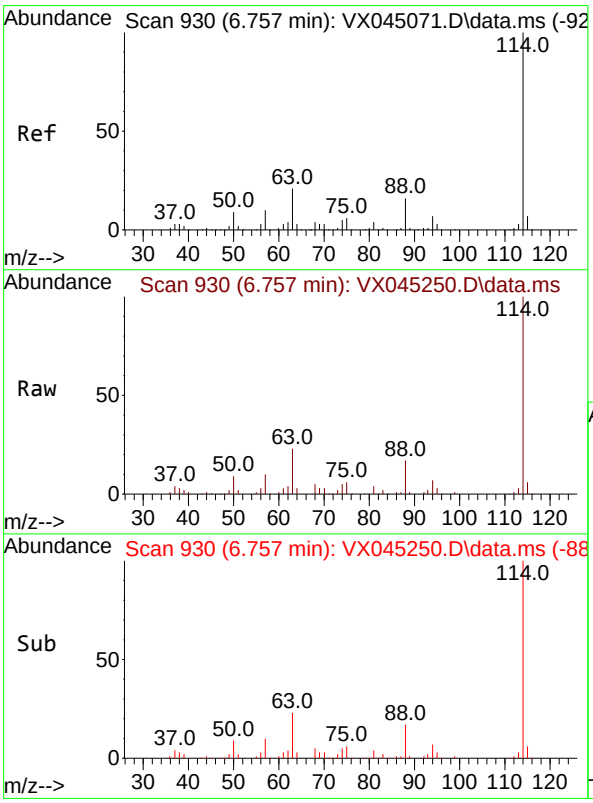
#33
1,2-Dichloroethane-d4
Concen: 55.361 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Tgt Ion: 65 Resp: 57772

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

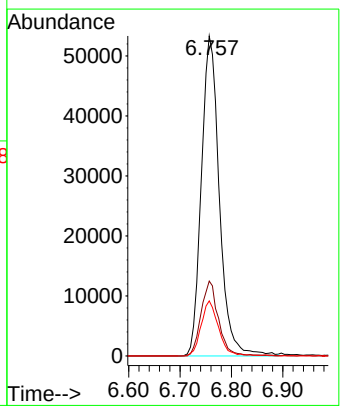


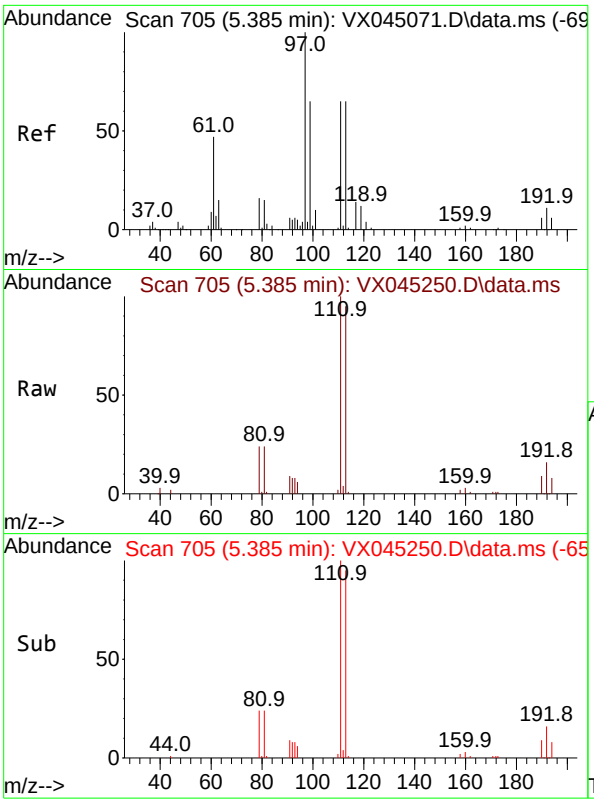


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Tgt Ion:114 Resp: 129853

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	17.2	0.0	32.8



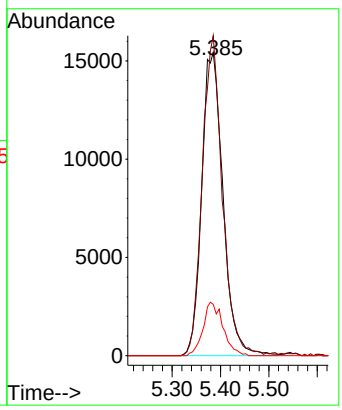


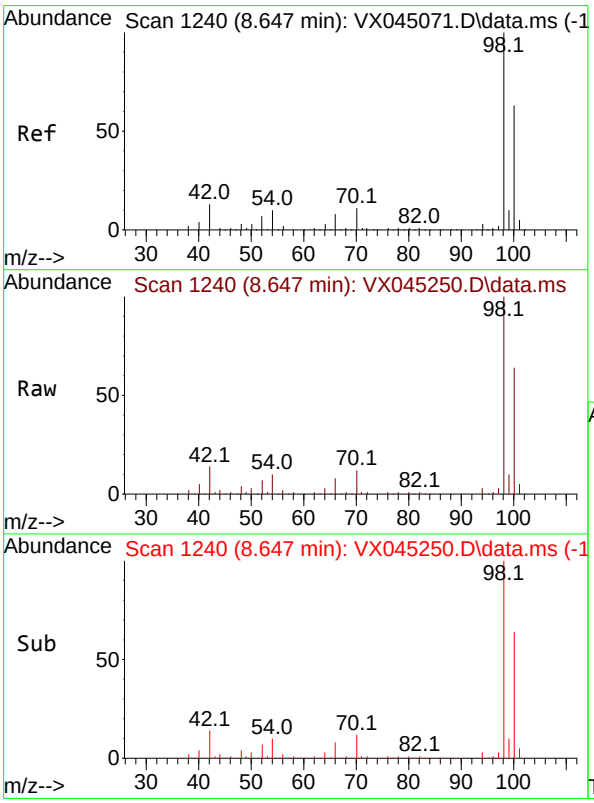
#35
Dibromofluoromethane
Concen: 54.308 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Tgt Ion:113 Resp: 47155

Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.8	122.6
192	16.5	14.3	21.5

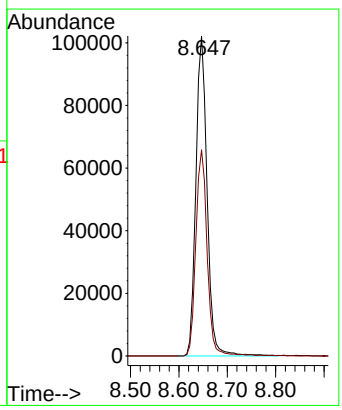


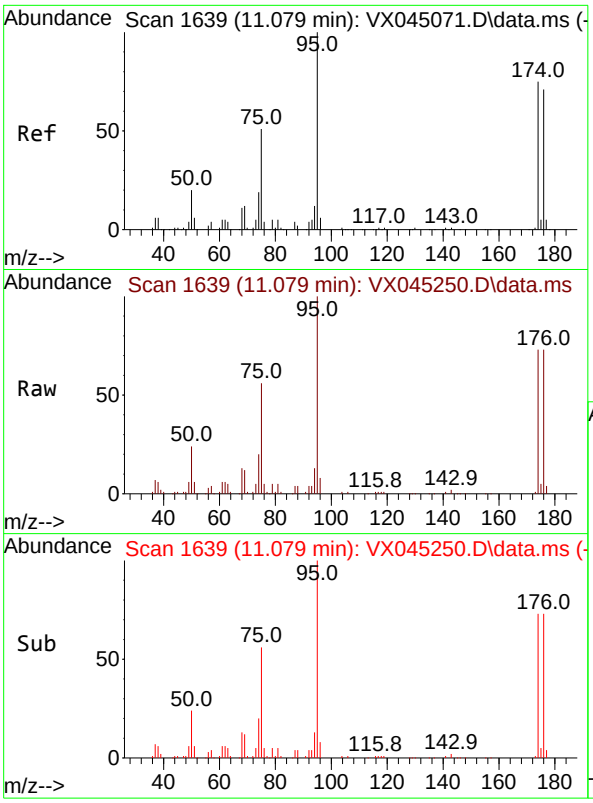


#50
Toluene-d8
Concen: 52.180 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Tgt Ion: 98 Resp: 164255

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



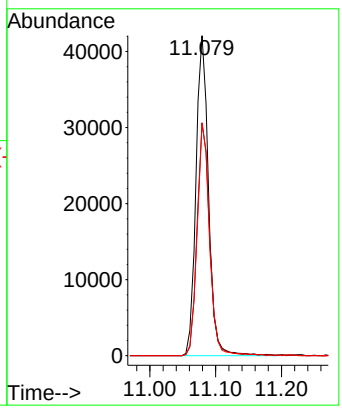


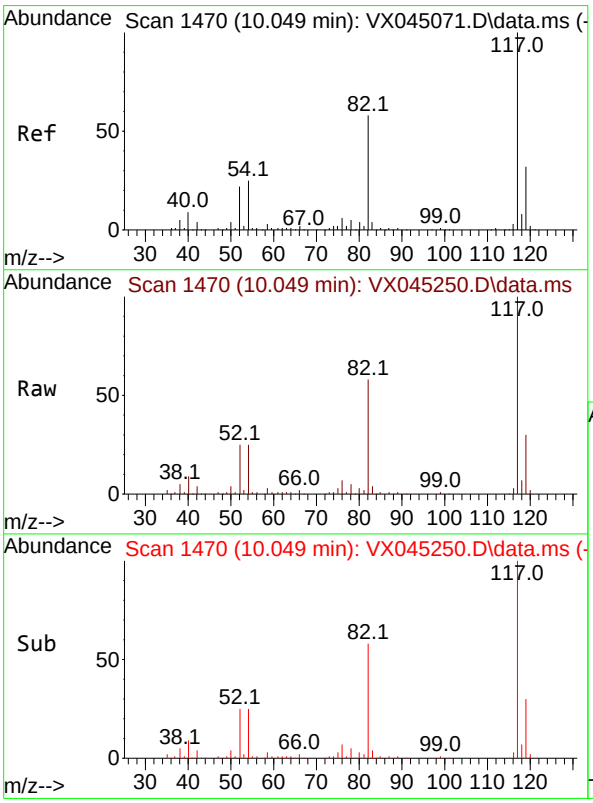
#62
4-Bromofluorobenzene
Concen: 53.543 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Tgt Ion: 95 Resp: 55851

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.2
176	71.6	0.0	141.4

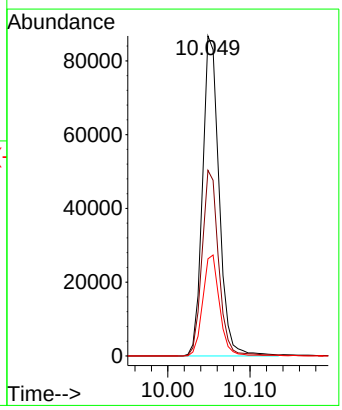


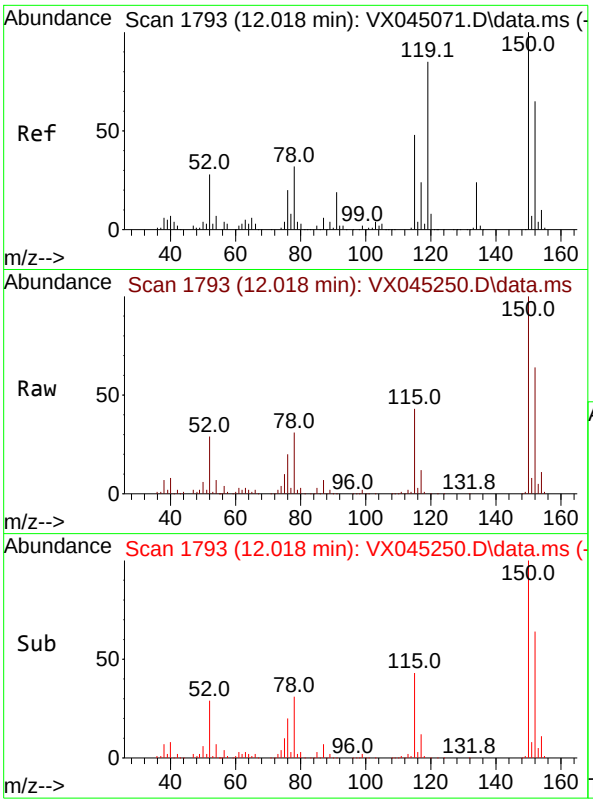


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Tgt Ion:117 Resp: 121501

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	30.4	25.7	38.5



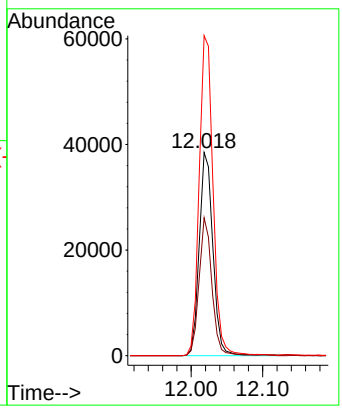


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045250.D
Acq: 12 Mar 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Tgt Ion:152 Resp: 51277

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.2	132.6
150	159.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045250.D
Acq On : 12 Mar 2025 15:45
Operator : JC/MD
Sample : Q1539-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

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\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045250.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	70	80	81	rBV4	4623	9787	2.18%	0.421%
2	5.385	693	705	721	rBV	52635	156882	34.92%	6.744%
3	5.544	721	731	745	rBV3	71490	205505	45.74%	8.834%
4	5.952	788	798	816	rBV	60360	163758	36.45%	7.040%
5	6.757	918	930	948	rBV	132429	320567	71.35%	13.780%
6	8.647	1234	1240	1253	rBV	280116	449281	100.00%	19.313%
7	10.049	1465	1470	1489	rBV	283410	398645	88.73%	17.137%
8	11.079	1634	1639	1653	rBV	215640	281754	62.71%	12.112%
9	12.018	1788	1793	1807	rBV	264349	340082	75.69%	14.619%

Sum of corrected areas: 2326261

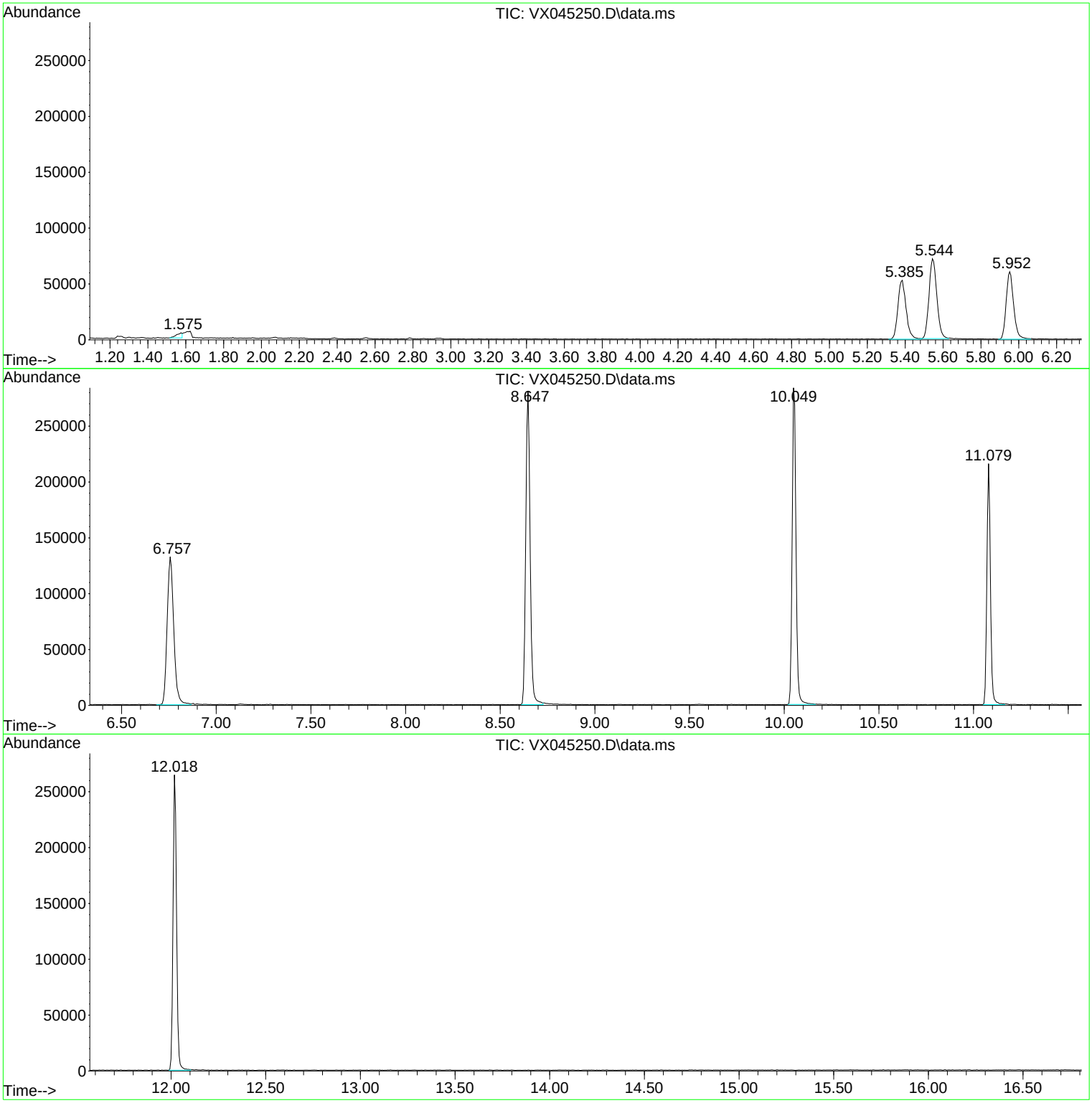
Sample Results: **VX045250.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045250.D
Acq On : 12 Mar 2025 15:45
Operator : JC/MD
Sample : Q1539-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045250.D
Acq On : 12 Mar 2025 15:45
Operator : JC/MD
Sample : Q1539-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045250.D
Acq On : 12 Mar 2025 15:45
Operator : JC/MD
Sample : Q1539-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-03-031025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAP-TB-04-031025-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-04	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
VX045251.D	1		03/12/25 16:08	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.56	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
67-64-1	Acetone	2.80	J	1.40	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.60	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.25	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.19	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	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:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAP-TB-04-031025-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-04	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
VX045251.D	1		03/12/25 16:08	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.46	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.51	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65000	5.544				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	46700	12.018				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAP-TB-04-031025-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-04	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
VX045251.D	1		03/12/25 16:08	VX031225

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\VX031225\
Data File : VX045251.D
Acq On : 12 Mar 2025 16:08
Operator : JC/MD
Sample : Q1539-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Quant Time: Mar 13 01:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

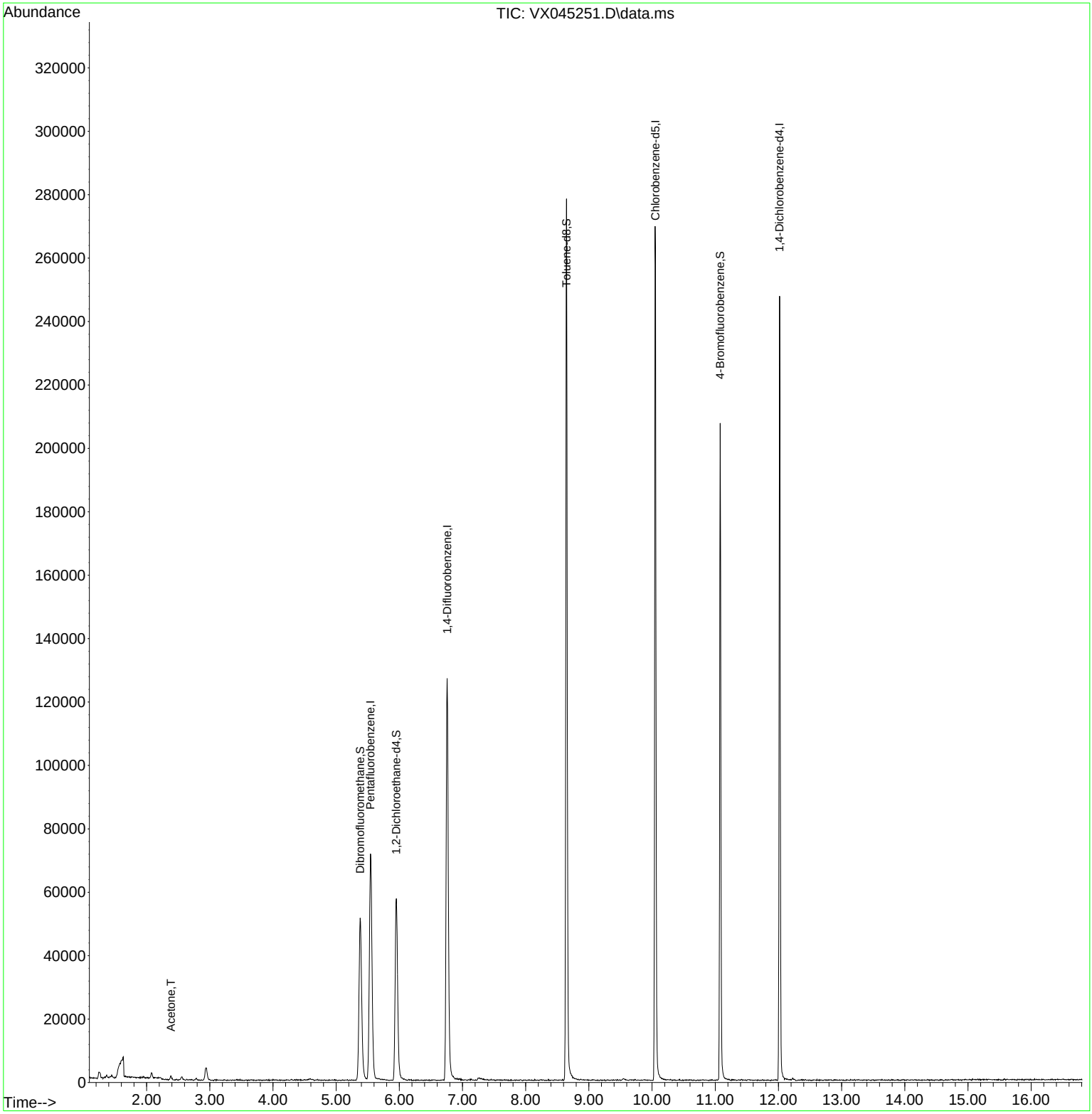
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56511	54.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.340%			
35) Dibromofluoromethane	5.379	113	44507	52.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.600%			
50) Toluene-d8	8.647	98	161479	52.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.079	95	54028	52.847	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.700%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1340	2.794	ug/l #	86

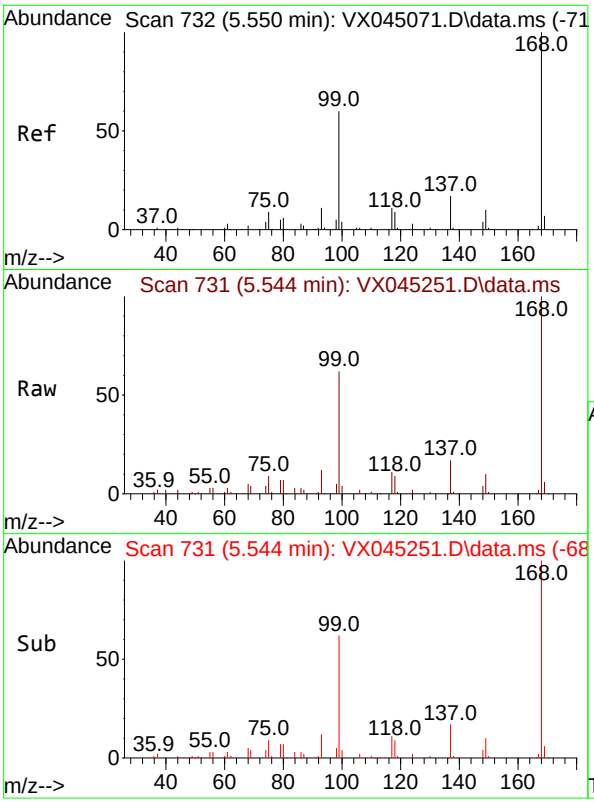
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045251.D
Acq On : 12 Mar 2025 16:08
Operator : JC/MD
Sample : Q1539-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Quant Time: Mar 13 01:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



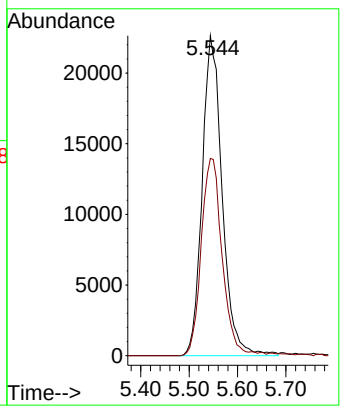


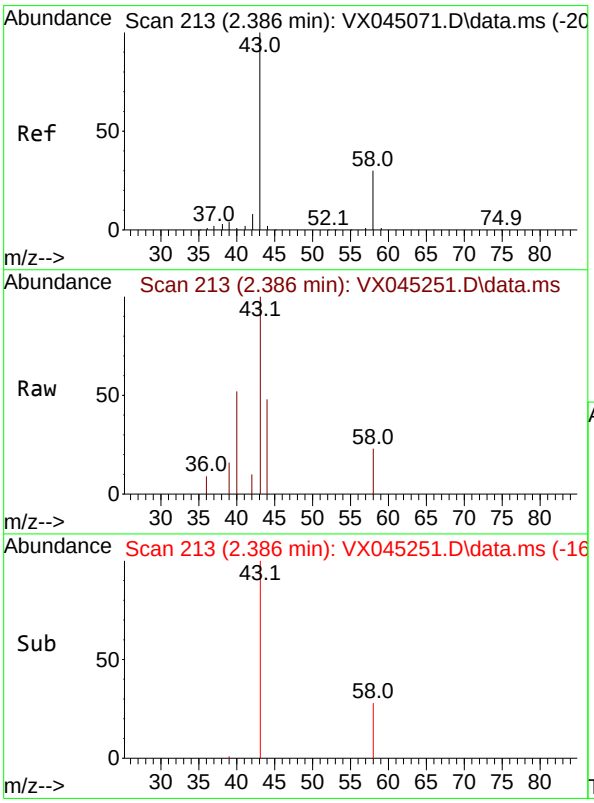
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Tgt Ion:168 Resp: 64979

Ion	Ratio	Lower	Upper
168	100		
99	61.6	48.2	72.4

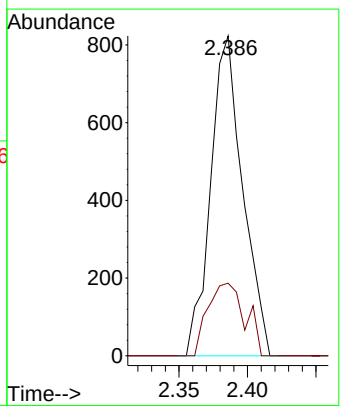


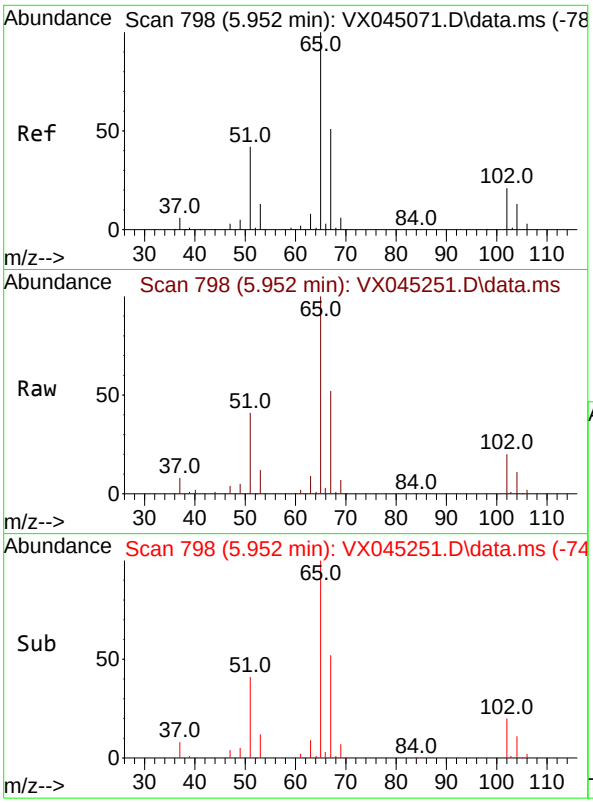


#16
Acetone
Concen: 2.794 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Tgt Ion: 43 Resp: 1340

Ion	Ratio	Lower	Upper
43	100		
58	22.7	24.2	36.4#



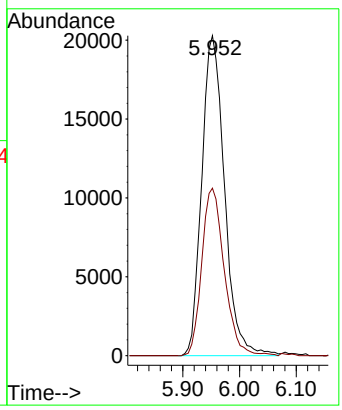


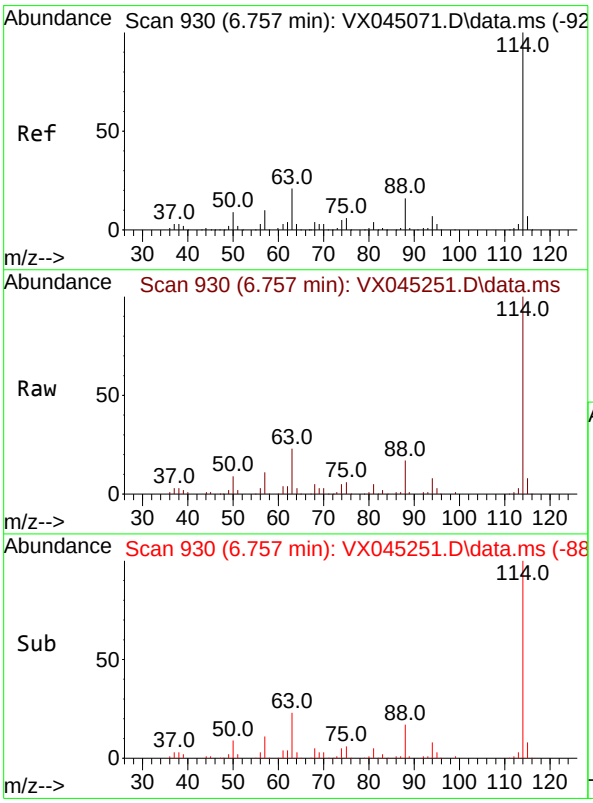
#33
1,2-Dichloroethane-d4
Concen: 54.675 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Tgt Ion: 65 Resp: 56511

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

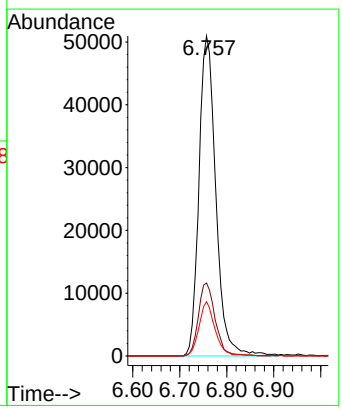


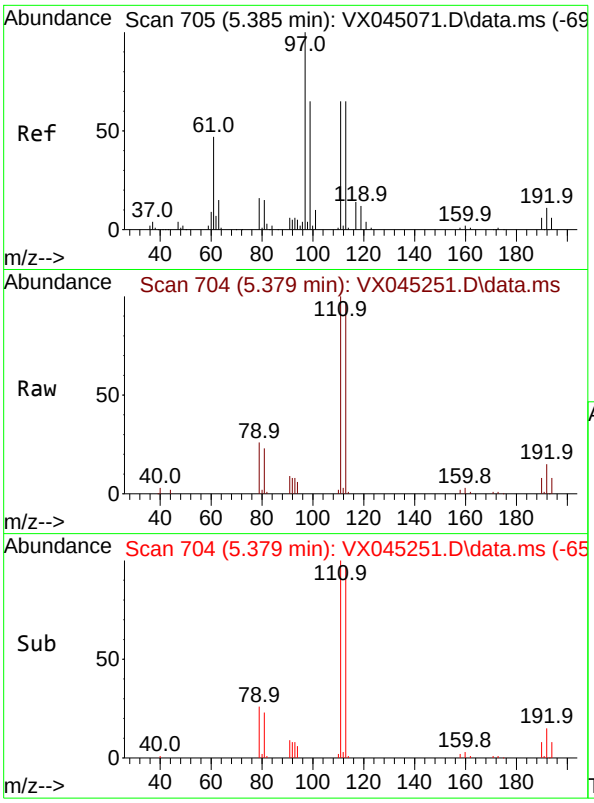


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Tgt Ion:114 Resp: 127269

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.9	0.0	32.8



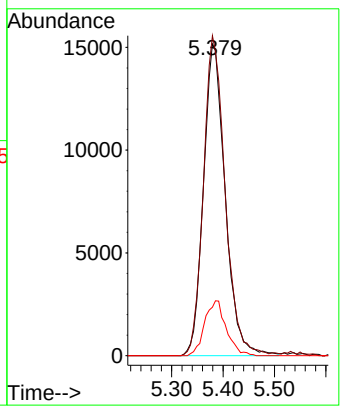


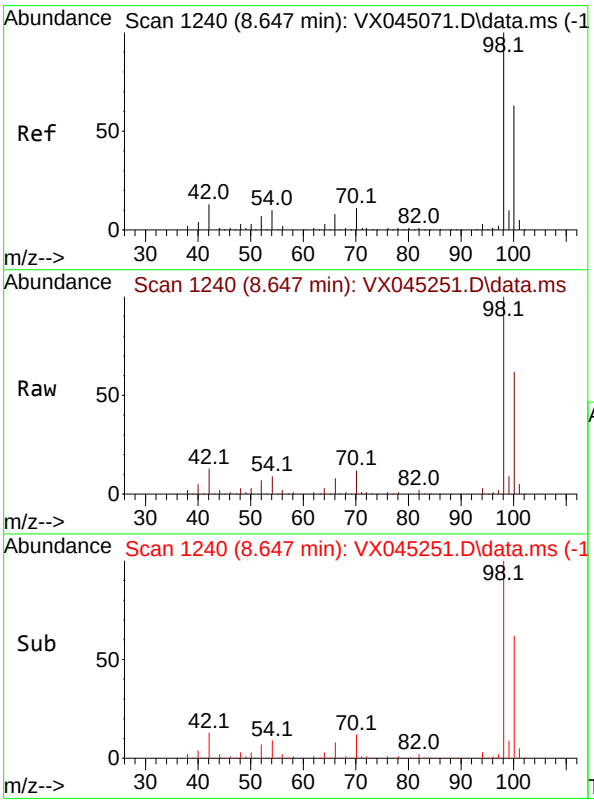
#35
Dibromofluoromethane
Concen: 52.299 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Tgt Ion:113 Resp: 44507

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.5	14.3	21.5

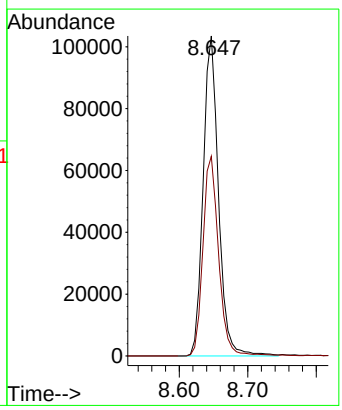


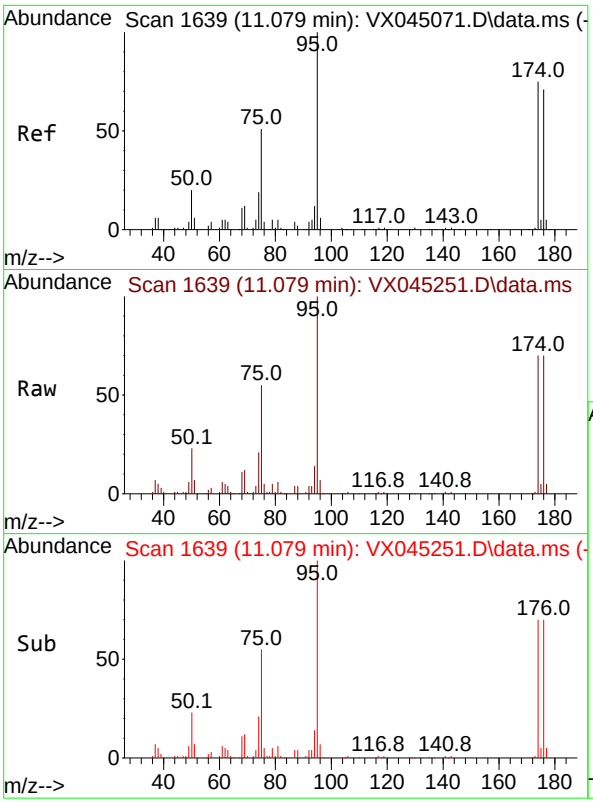


#50
Toluene-d8
Concen: 52.339 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Tgt Ion: 98 Resp: 161479

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0



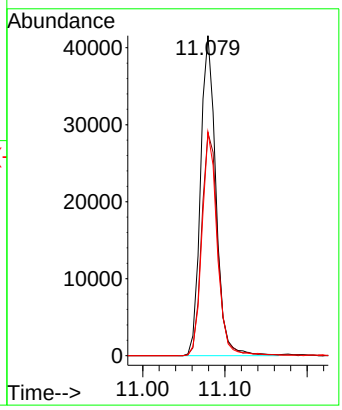


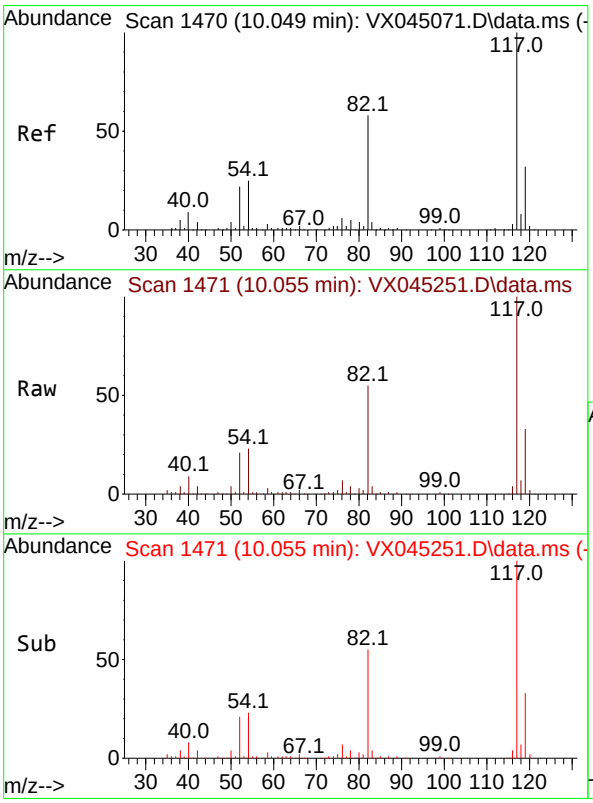
#62
4-Bromofluorobenzene
Concen: 52.847 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Tgt Ion: 95 Resp: 54028

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.3	0.0	141.4

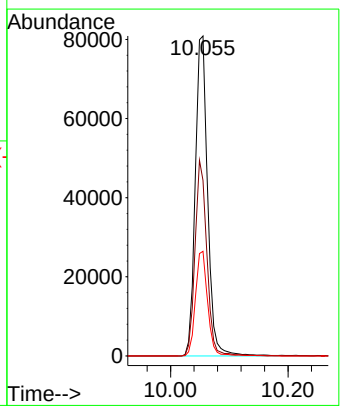


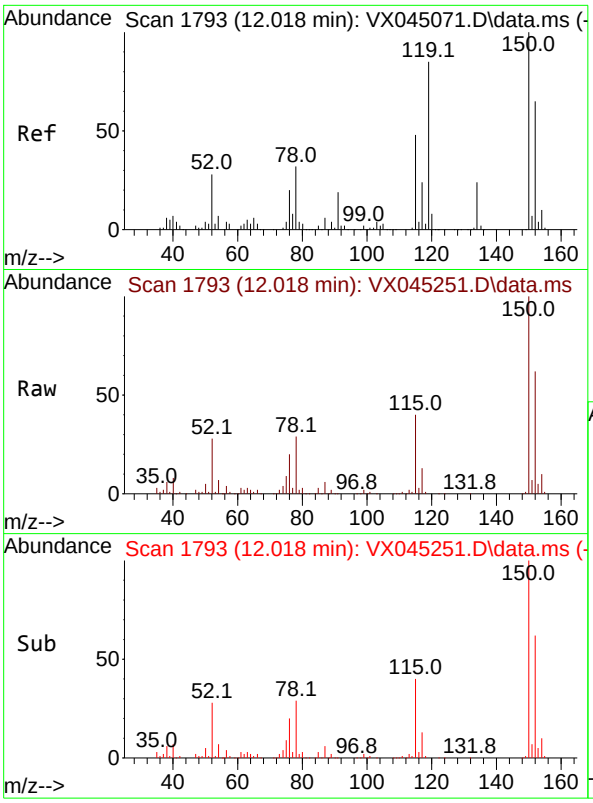


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Tgt Ion:117 Resp: 118251

Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.3	69.5
119	32.7	25.7	38.5



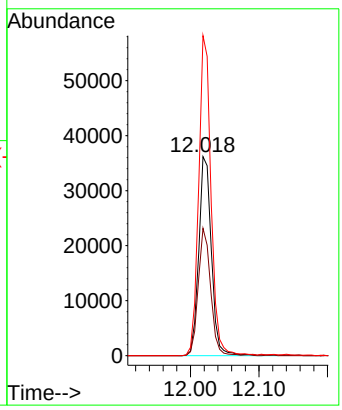


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045251.D
Acq: 12 Mar 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Tgt Ion:152 Resp: 46701

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.4	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045251.D
Acq On : 12 Mar 2025 16:08
Operator : JC/MD
Sample : Q1539-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

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\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045251.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	21	26	32	rBV4	2185	5046	1.15%	0.224%
2	1.575	69	80	82	rBV4	4635	12916	2.94%	0.572%
3	1.630	87	89	92	rVB2	6253	6221	1.41%	0.276%
4	2.941	295	304	311	rBV2	3962	9974	2.27%	0.442%
5	5.379	693	704	719	rBV2	51230	150497	34.21%	6.666%
6	5.544	722	731	746	rVV2	71068	202275	45.97%	8.960%
7	5.952	789	798	812	rBV3	57307	157304	35.75%	6.968%
8	6.757	922	930	951	rBV	126715	310300	70.53%	13.745%
9	8.647	1234	1240	1256	rBV	277773	439974	100.00%	19.488%
10	10.049	1465	1470	1483	rBV	269371	386649	87.88%	17.126%
11	11.079	1634	1639	1654	rBV	207048	267738	60.85%	11.859%
12	12.018	1788	1793	1806	rBV	247409	308726	70.17%	13.675%

Sum of corrected areas: 2257620

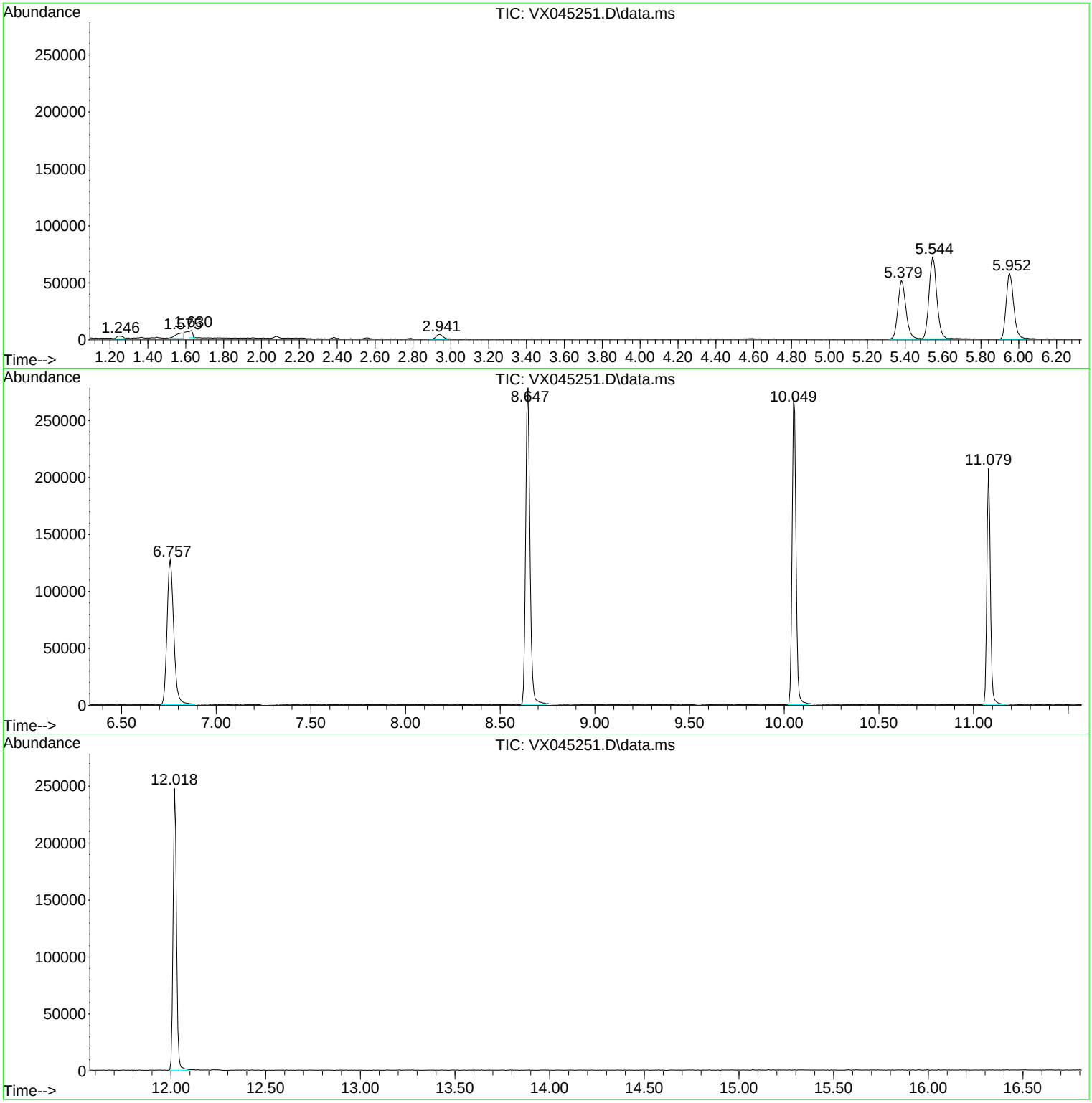
Sample Results: **VX045251.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045251.D
Acq On : 12 Mar 2025 16:08
Operator : JC/MD
Sample : Q1539-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045251.D
Acq On : 12 Mar 2025 16:08
Operator : JC/MD
Sample : Q1539-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045251.D
Acq On : 12 Mar 2025 16:08
Operator : JC/MD
Sample : Q1539-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-TB-04-031025-T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025
Response Via : Initial Calibration

Calibration Files
1 =VX045068.D 5 =VX045069.D 20 =VX045070.D 50 =VX045071.D 100 =VX045072.D 150 =VX045073.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.38
3)	P	Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.68
4)	C	Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1.03#
5)	T	Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7.01
6)	T	Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.54
7)	T	Trichlorofluor...	0.978	1.061	1.050	1.050	0.982	0.948	1.011	4.73
8)	T	Diethyl Ether	0.406	0.402	0.409	0.387	0.387	0.383	0.396	2.83
9)	T	1,1,2-Trichlor...	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.41
10)	T	Methyl Iodide		0.607	0.758	0.769	0.758	0.739	0.726	9.28
11)	T	Tert butyl alc...		0.189	0.161	0.134	0.133	0.136	0.151	16.19
12)	CM	1,1-Dichloroet...	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.27#
13)	T	Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.53
14)	T	Allyl chloride	1.140	1.047	1.104	1.107	1.091	1.072	1.094	2.92
15)	T	Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.90
16)	T	Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7.04
17)	T	Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.62
18)	T	Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.59
19)	T	Methyl tert-bu...	1.955	1.913	2.127	2.083	2.132	2.158	2.061	4.97
20)	T	Methylene Chlo...	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.84
21)	T	trans-1,2-Dich...	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.73
22)	T	Diisopropyl ether	1.959	2.156	2.321	2.291	2.310	2.307	2.224	6.46
23)	T	Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.38
24)	P	1,1-Dichloroet...	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.45
25)	T	2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.09
26)	T	2,2-Dichloropr...	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.74
27)	T	cis-1,2-Dichlo...	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.21
28)	T	Bromochloromet...	0.557	0.633	0.613	0.603	0.563	0.596	0.594	4.97
29)	T	Tetrahydrofuran	0.362	0.376	0.398	0.373	0.361	0.368	0.373	3.61
30)	C	Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	1.97#
31)	T	Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.35
32)	T	1,1,1-Trichlor...	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.83
33)	S	1,2-Dichloroet...		0.836	0.784	0.757	0.783	0.817	0.795	3.91
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.329	0.335	0.329	0.340	0.338	0.334	1.53
36)	T	1,1-Dichloropr...	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.77
37)	T	Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.53
38)	T	Carbon Tetrach...	0.463	0.463	0.447	0.468	0.489	0.463	0.465	2.96
39)	T	Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.07
40)	TM	Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.72
41)	T	Methacrylonitrile	0.284	0.293	0.337	0.340	0.332	0.330	0.319	7.59
42)	TM	1,2-Dichloroet...	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.63
43)	T	Isopropyl Acetate	0.675	0.800	0.940	0.929	0.935	0.964	0.874	12.98
44)	TM	Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.72
45)	C	1,2-Dichloropr...	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.68#
46)	T	Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.10
47)	T	Bromodichlorom...	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.23
48)	T	Methyl methacr...	0.352	0.422	0.460	0.463	0.458	0.475	0.438	10.46
49)	T	1,4-Dioxane	0.008	0.009	0.010	0.009	0.009	0.009	0.009	6.46
50)	S	Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.43
51)	T	4-Methyl-2-Pen...	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.52
52)	CM	Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8.03#
53)	T	t-1,3-Dichloro...	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.30
54)	T	cis-1,3-Dichlo...	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.80
55)	T	1,1,2-Trichlor...	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.63
56)	T	Ethyl methacry...	0.396	0.500	0.562	0.570	0.577	0.586	0.532	13.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M

57)	T	1,3-Dichloropr...	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.90
58)	T	2-Chloroethyl ...	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.71
59)	T	2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.08
60)	T	Dibromochlorom...	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9.01
61)	T	1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.73
62)	S	4-Bromofluorob...		0.383	0.393	0.402	0.410	0.421	0.402	3.67
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.33
65)	PM	Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.68
66)	T	1,1,1,2-Tetrac...	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.39
67)	C	Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.11#
68)	T	m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.27
69)	T	o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.52
70)	T	Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.75
71)	P	Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.94
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.79
74)	T	N-amyl acetate	1.349	1.578	1.890	1.977	2.078	2.116	1.831	16.62
75)	P	1,1,2,2-Tetrac...	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.60
76)	T	1,2,3-Trichlor...	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.73
77)	T	Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.57
78)	T	n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.14
79)	T	2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.45
80)	T	1,3,5-Trimethy...	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9.01
81)	T	trans-1,4-Dich...		0.268	0.313	0.339	0.376	0.405	0.340	15.78
82)	T	4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.80
83)	T	tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	3.96
84)	T	1,2,4-Trimethy...	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.57
85)	T	sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.65
86)	T	p-Isopropyltol...	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.91
87)	T	1,3-Dichlorobe...	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.40
88)	T	1,4-Dichlorobe...	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.06
89)	T	n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.67
90)	T	Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.30
91)	T	1,2-Dichlorobe...	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.50
92)	T	1,2-Dibromo-3-...	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.64
93)	T	1,2,4-Trichlor...	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.32
94)	T	Hexachlorobuta...	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.77
95)	T	Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.21
96)	T	1,2,3-Trichlor...	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.23

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l		90
3) Chloromethane	1.301	50	1552	0.975	ug/l		91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l	#	85
6) Chloroethane	1.673	64	766m	0.992	ug/l		
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l		97
8) Diethyl Ether	2.130	74	835	1.045	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l		87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l		92
14) Allyl chloride	2.660	41	2343	1.055	ug/l		93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l		99
16) Acetone	2.380	43	4259	5.635	ug/l		100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l	#	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l		91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l		98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l		91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l	#	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l		97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l	#	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l		96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l	#	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l	#	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l	#	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l	#	34
30) Chloroform	5.093	83	2478	0.978	ug/l		92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l	#	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l	#	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l		
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l		
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l		88
40) Benzene	6.031	78	4984	0.907	ug/l		99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l		
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
46) Dibromomethane	7.586	93	891	0.897 ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927 ug/l	#	85
48) Methyl methacrylate	7.714	41	1328m	0.825 ug/l		
49) 1,4-Dioxane	7.684	88	639	18.144 ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567 ug/l		95
52) Toluene	8.720	92	2700	0.841 ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700 ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804 ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004 ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748 ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920 ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320 ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153 ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835 ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890 ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986 ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908 ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978 ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846 ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630 ug/l		97
69) o-Xylene	10.640	106	1949	0.891 ug/l		95
70) Styrene	10.665	104	2810	0.802 ug/l		97
71) Bromoform	10.799	173	667	0.768 ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858 ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954 ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1531m	1.015 ug/l		
77) Bromobenzene	11.201	156	1166	0.972 ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773 ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815 ug/l		94
82) 4-Chlorotoluene	11.457	91	3631	0.904 ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929 ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827 ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752 ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797 ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913 ug/l		96
88) 1,4-Dichlorobenzene	12.043	146	2082m	0.962 ug/l		
89) n-Butylbenzene	12.335	91	2470	0.691 ug/l		93
90) Hexachloroethane	12.536	117	609	0.805 ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859 ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706 ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917 ug/l		94
95) Naphthalene	13.780	128	3337	0.707 ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759 ug/l		93

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

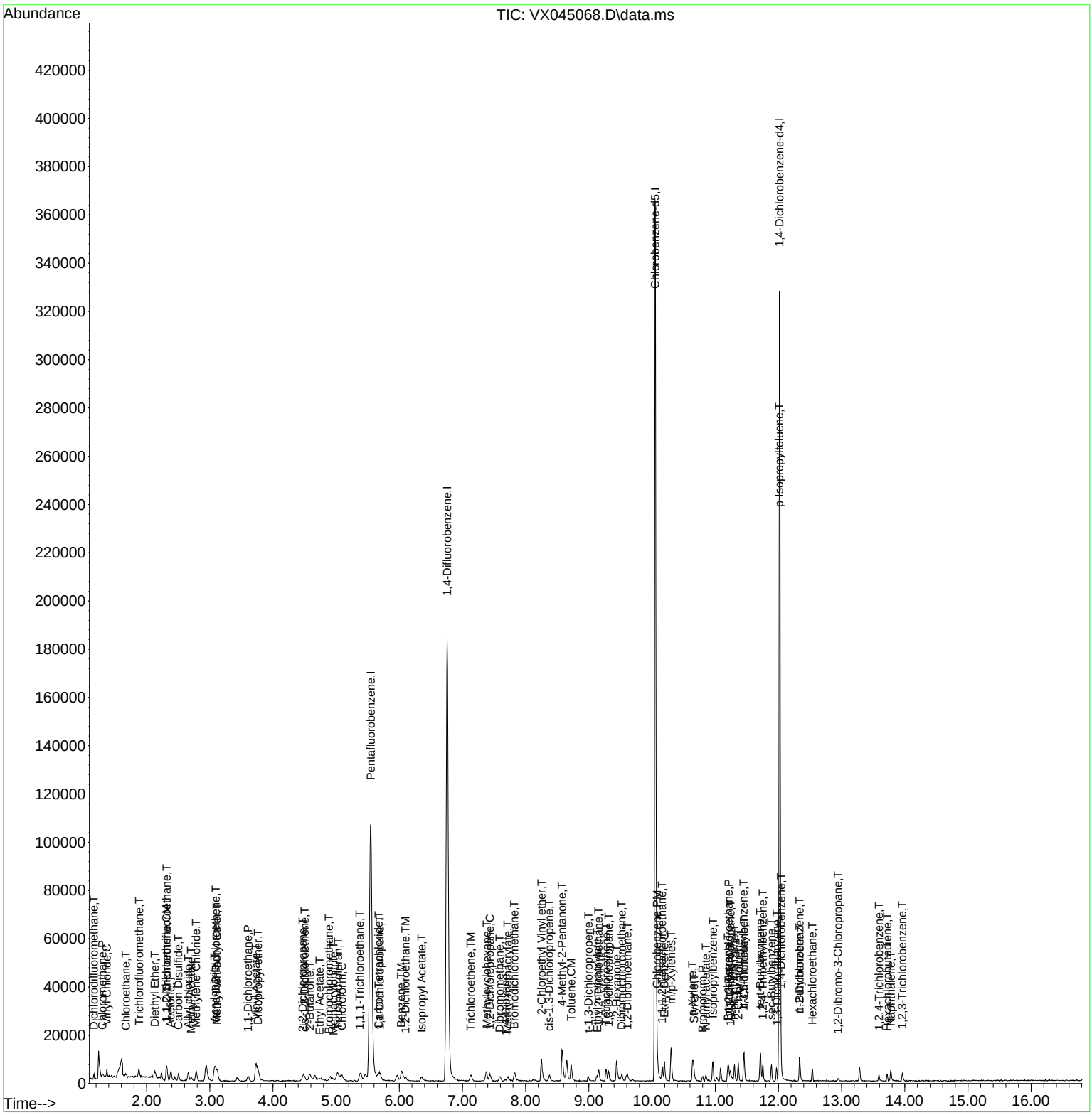
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

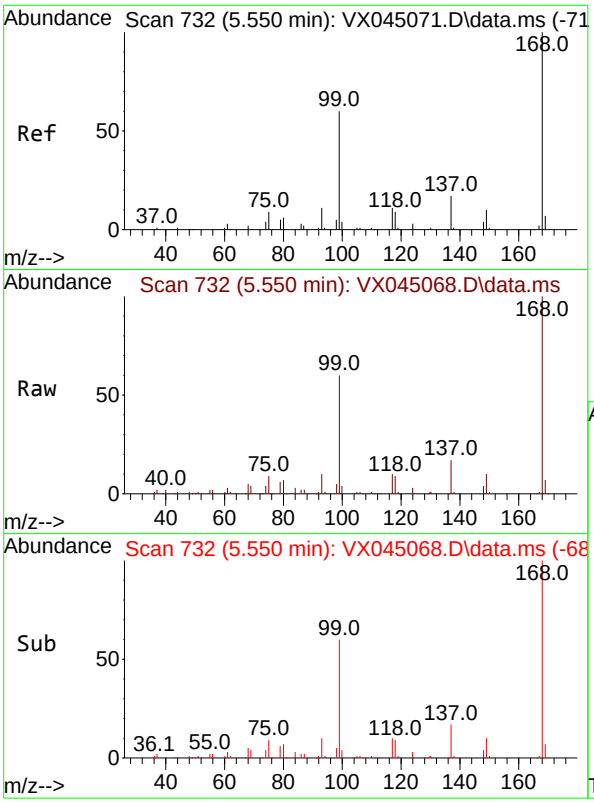
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

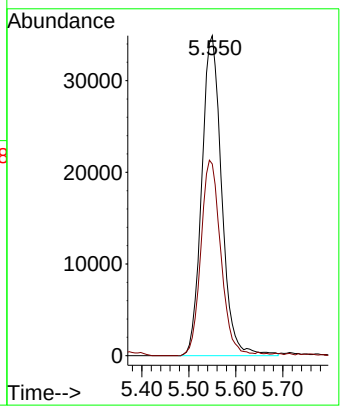




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

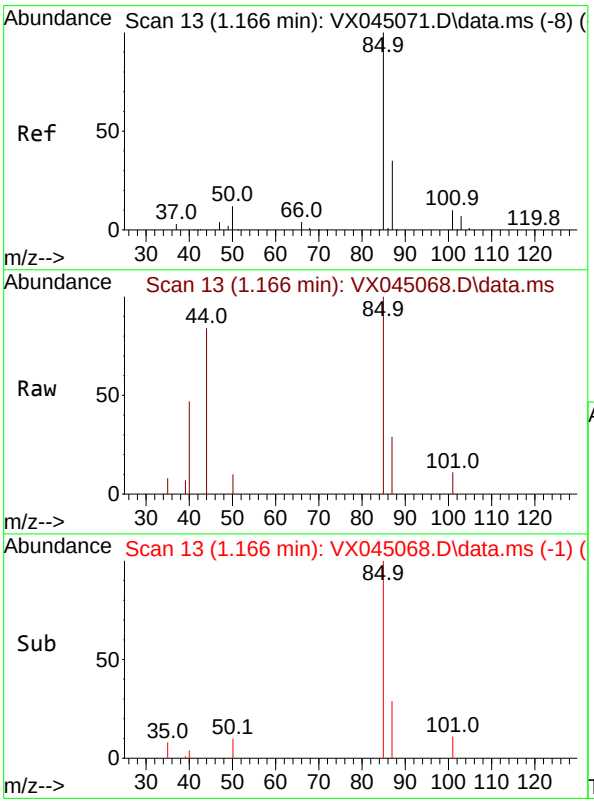
Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

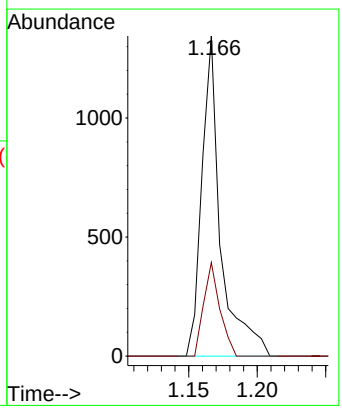
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

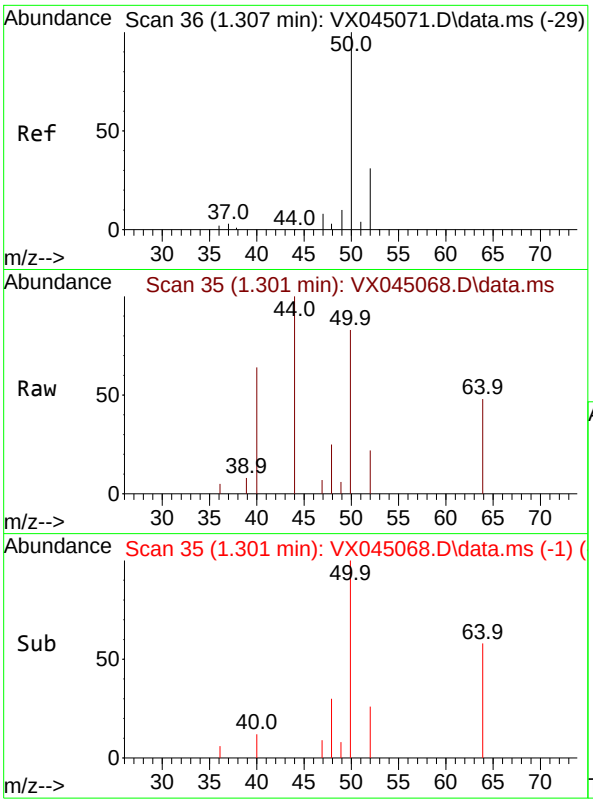


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

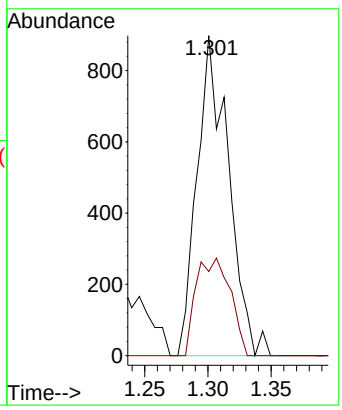




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

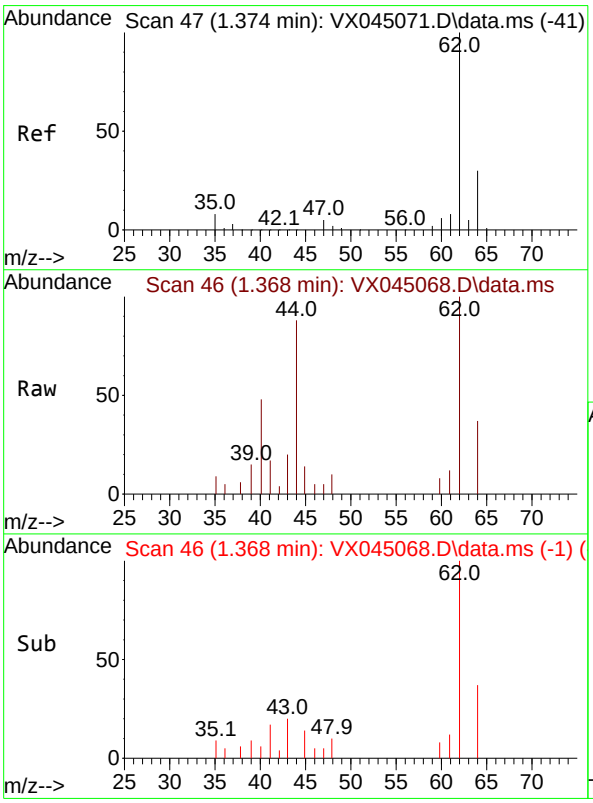
Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

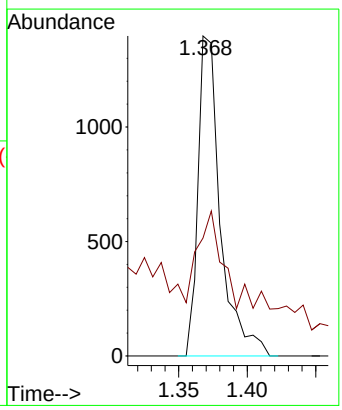
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

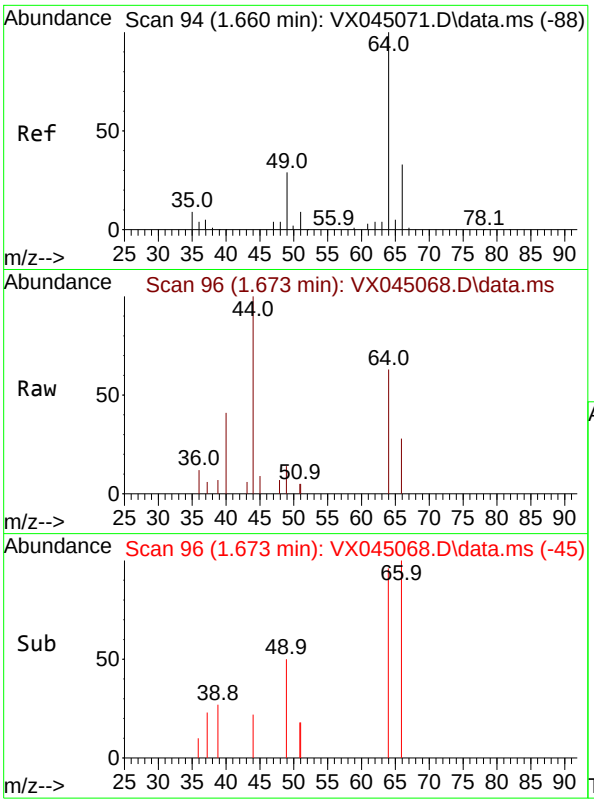


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

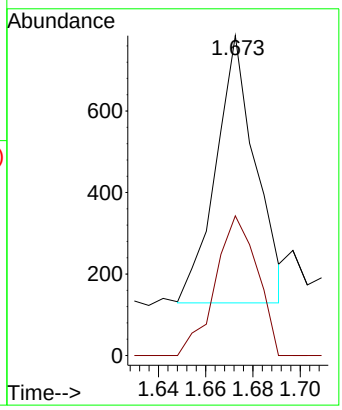




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76

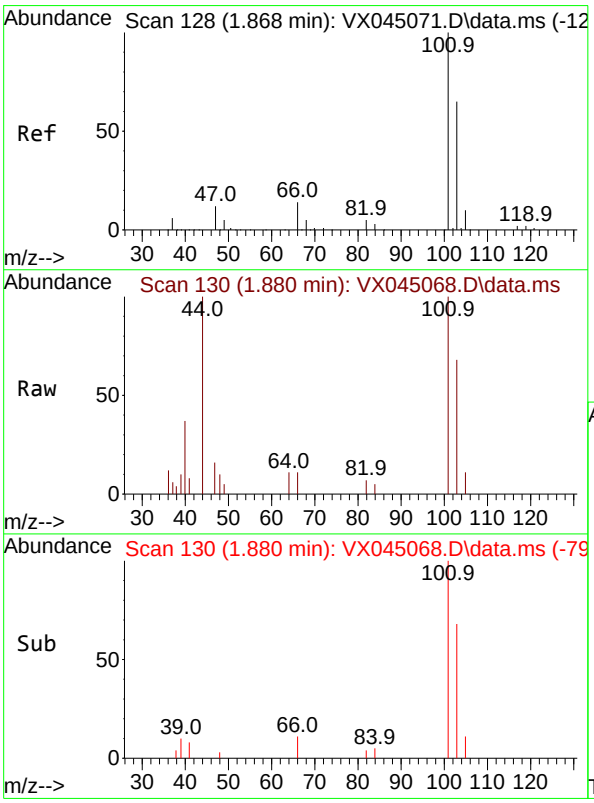
Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

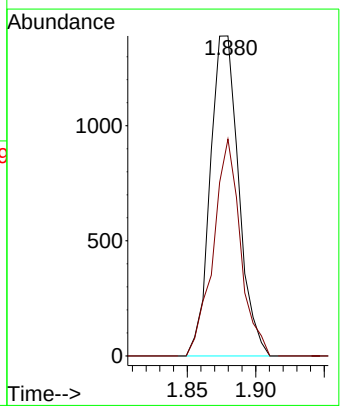
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

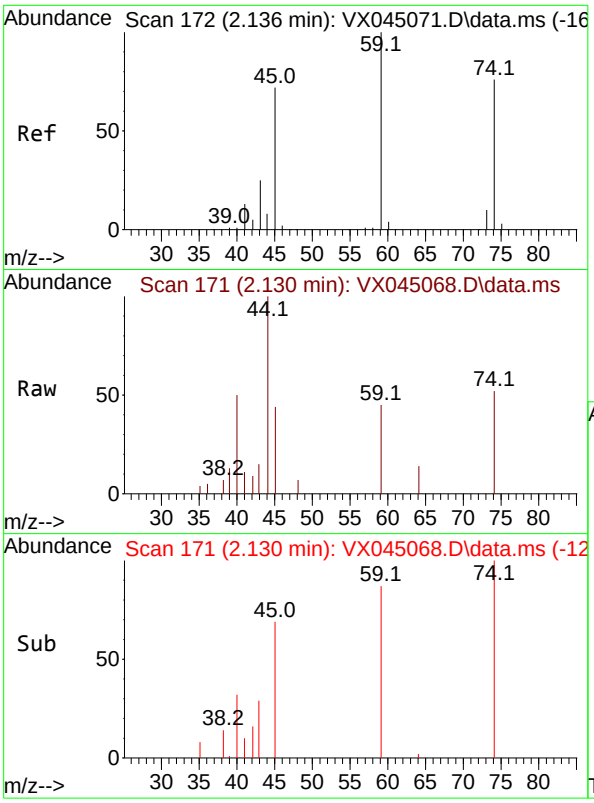


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1





#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

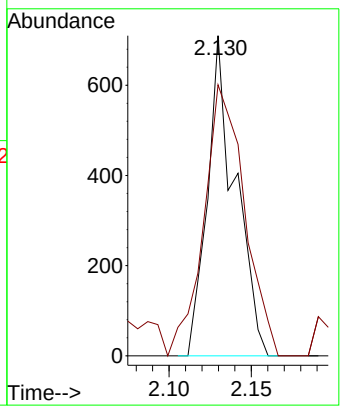
Tgt Ion: 74 Resp: 83

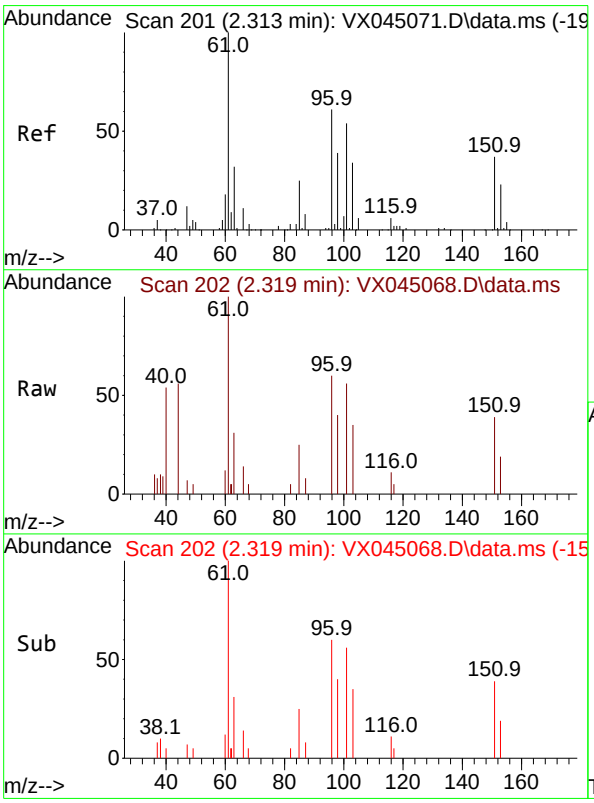
Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

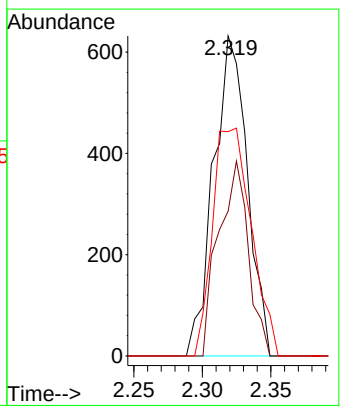


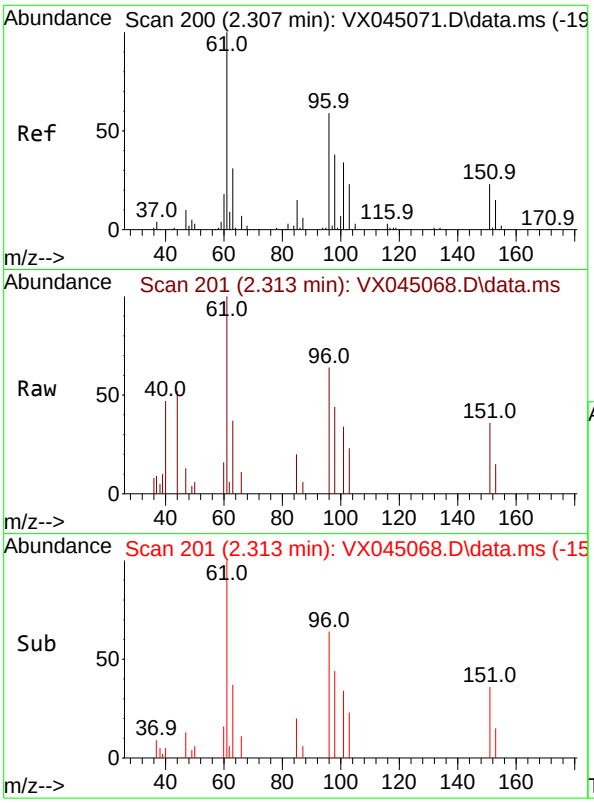


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

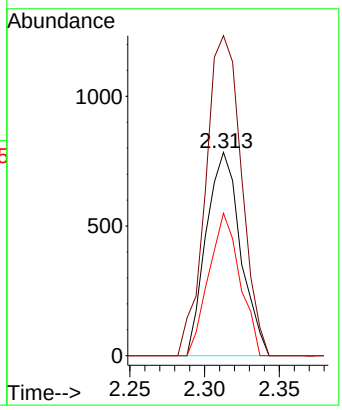




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

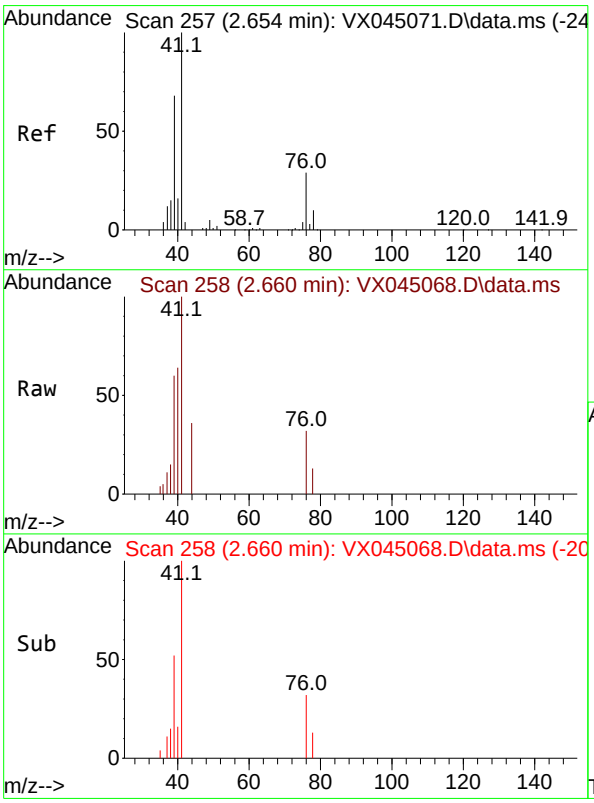
Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

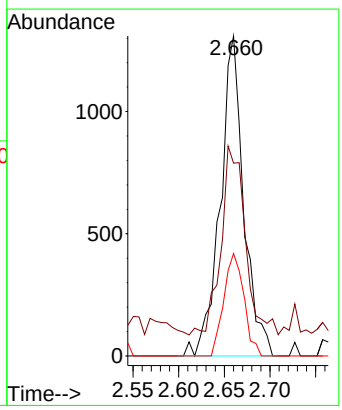
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

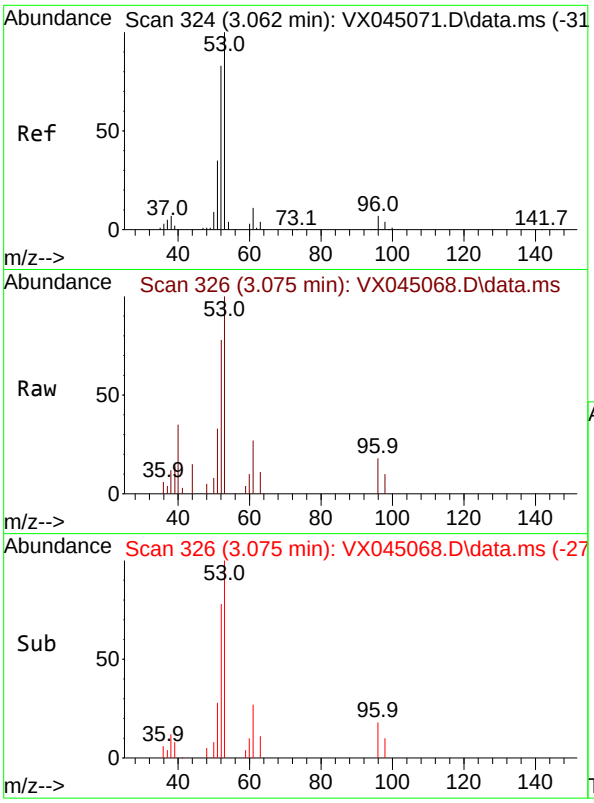


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8

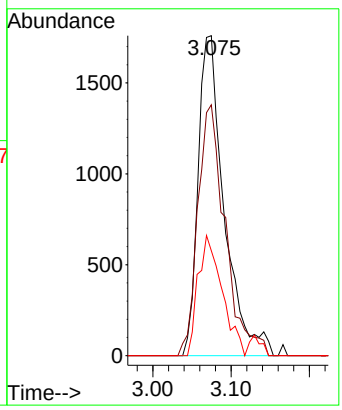




#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 53 Resp: 406

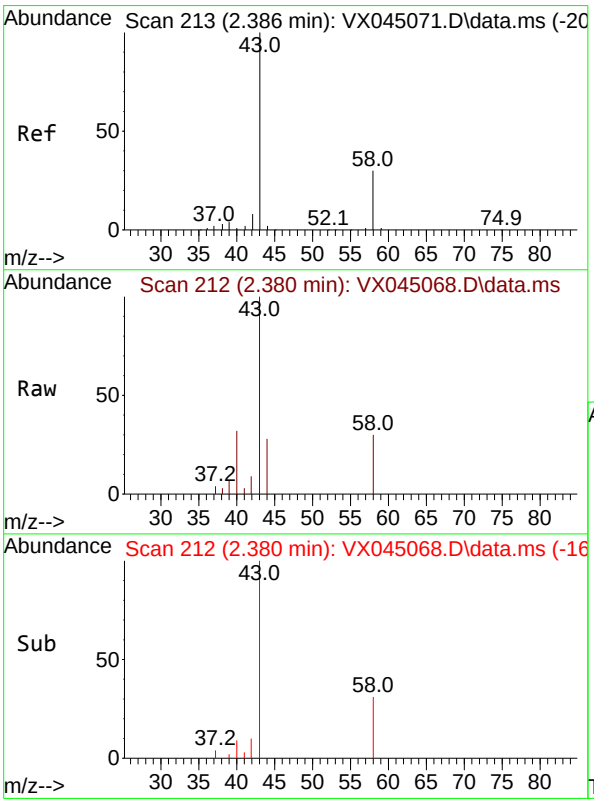
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

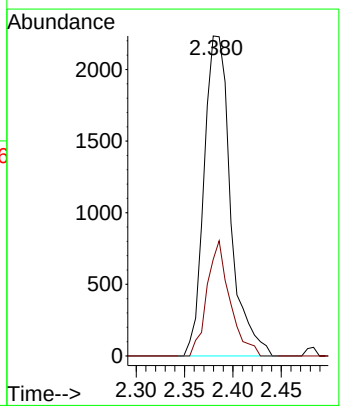
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

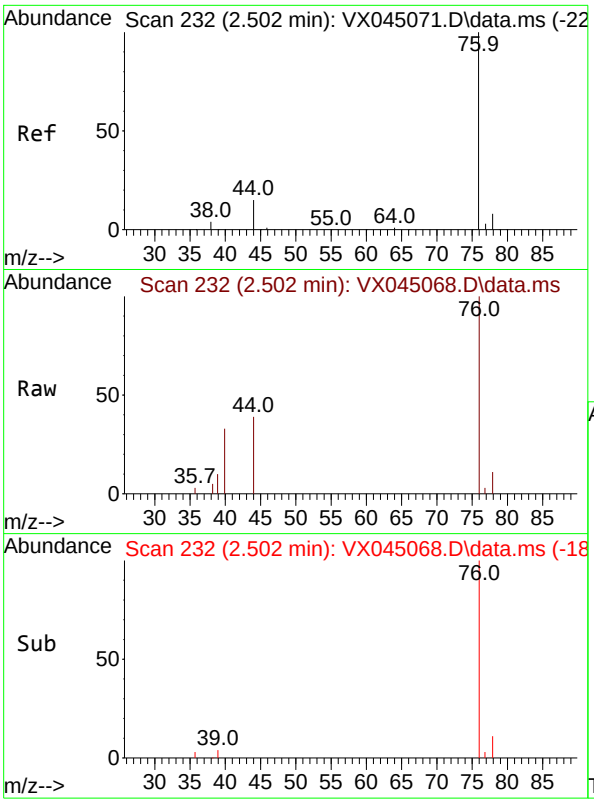


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4

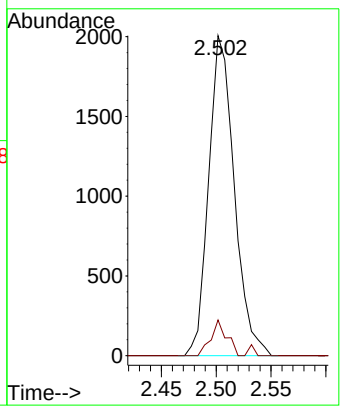




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 325

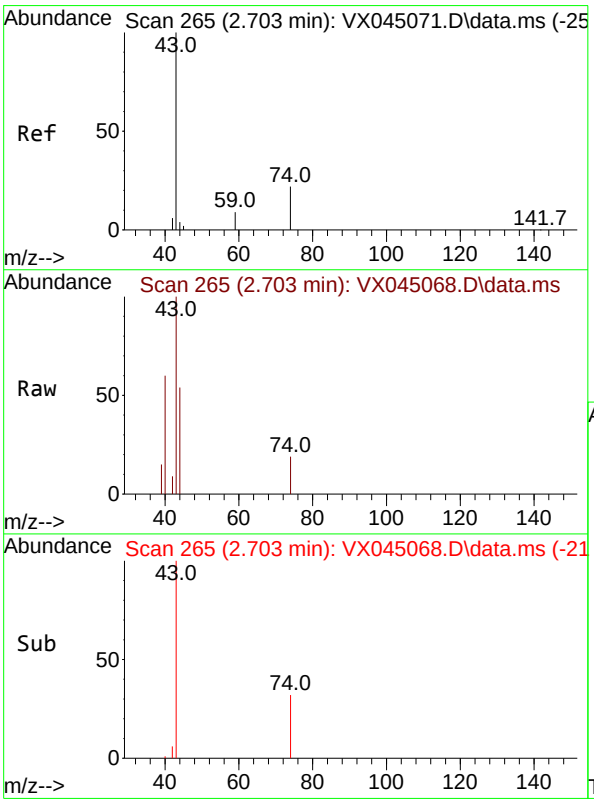
Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

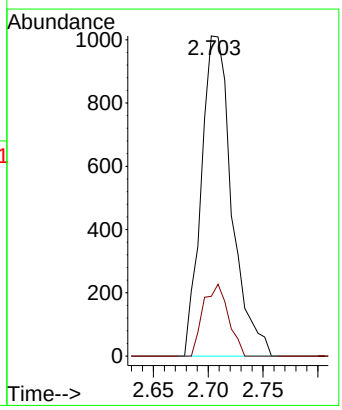
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

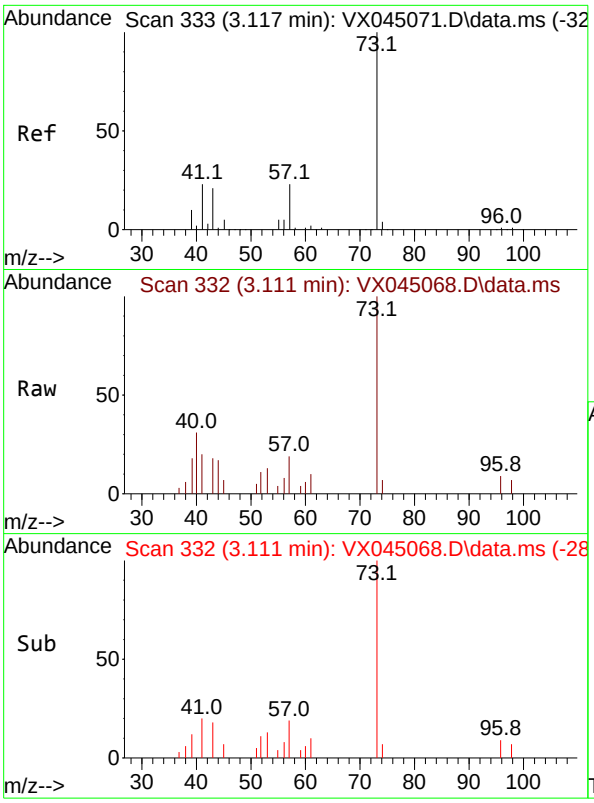


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

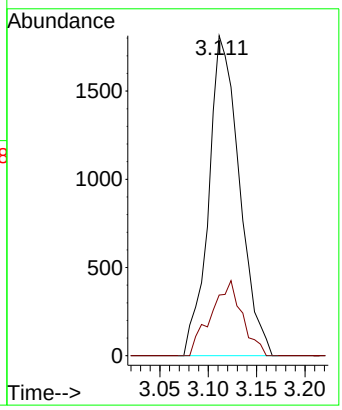




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

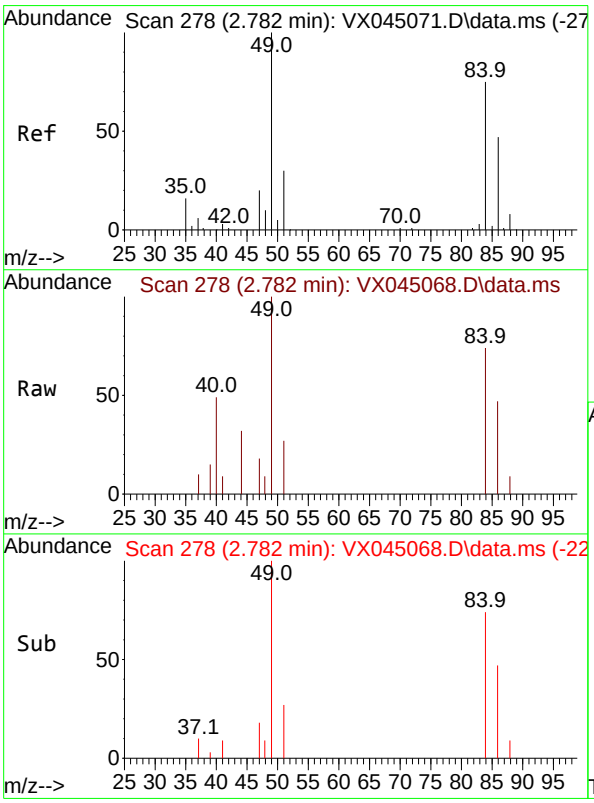
Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

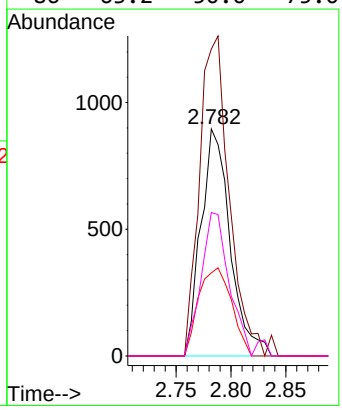
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

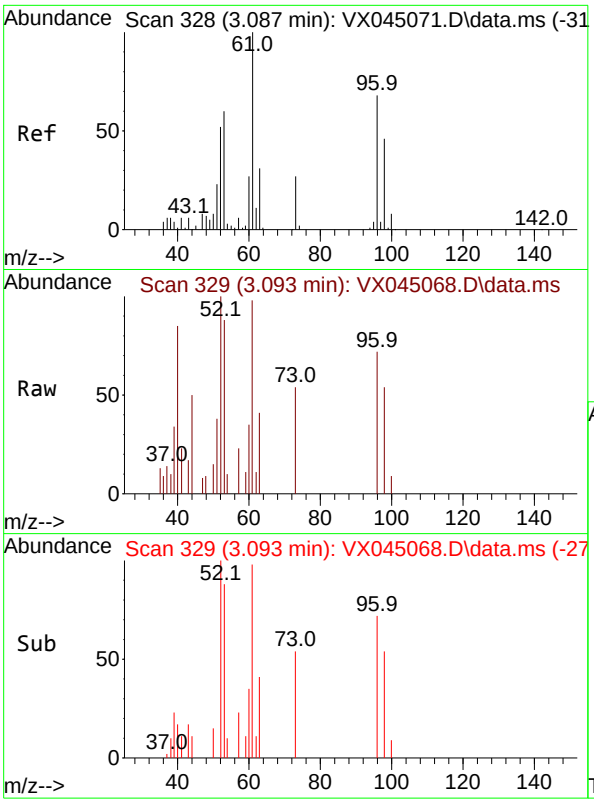


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0

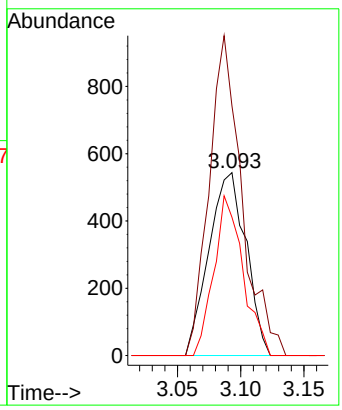




#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 110

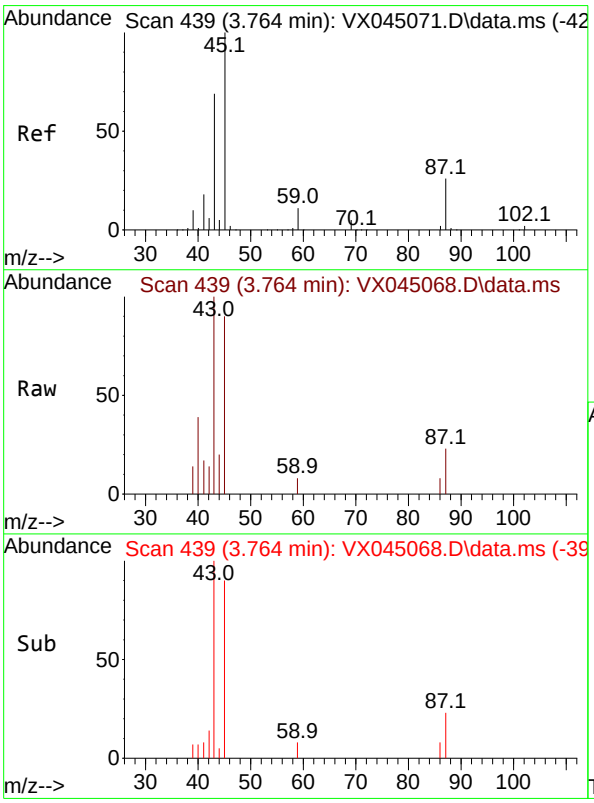
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

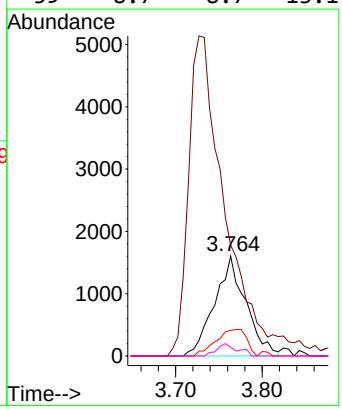
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

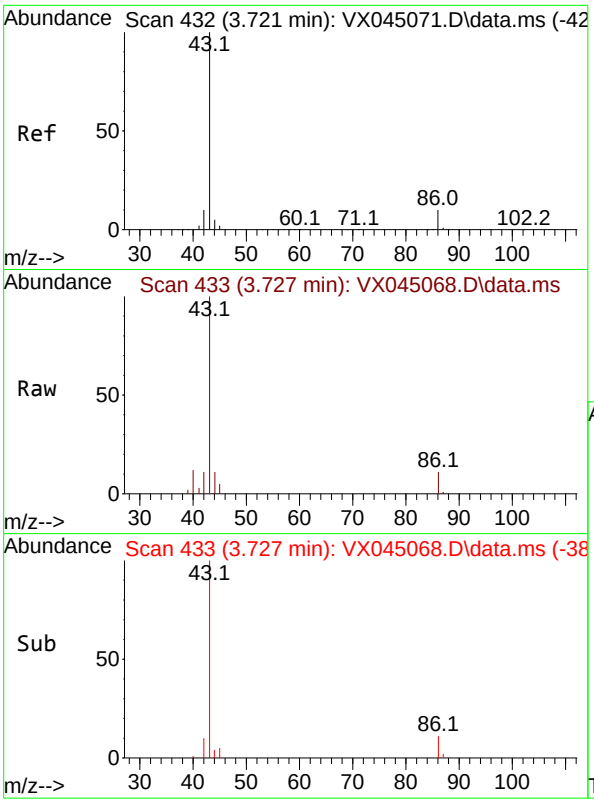


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1





#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

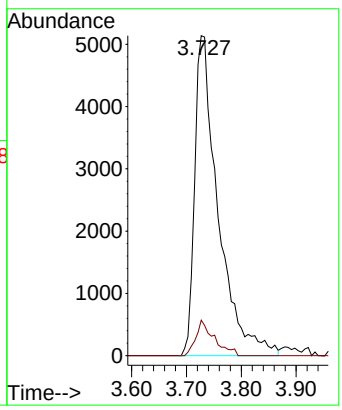
Tgt Ion: 43 Resp: 1527

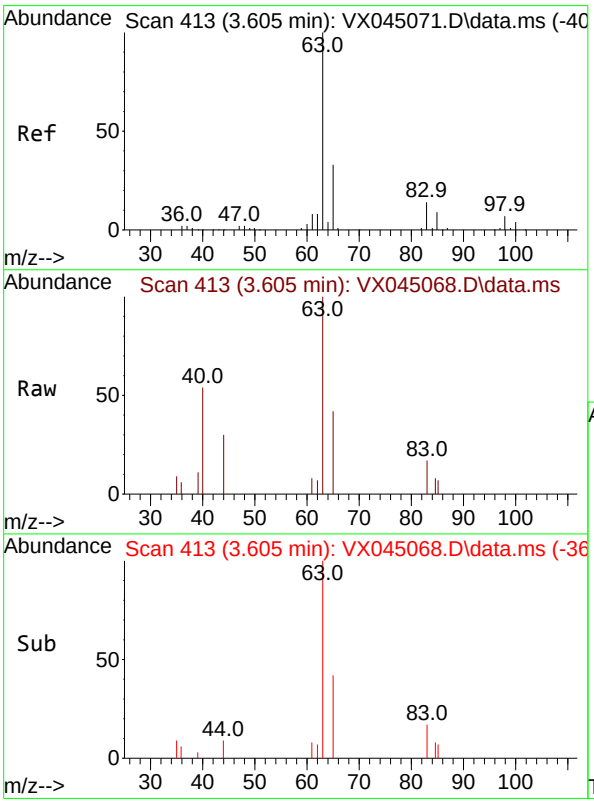
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

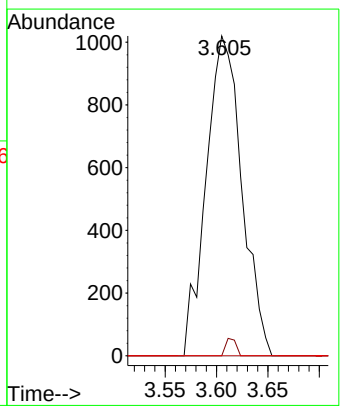


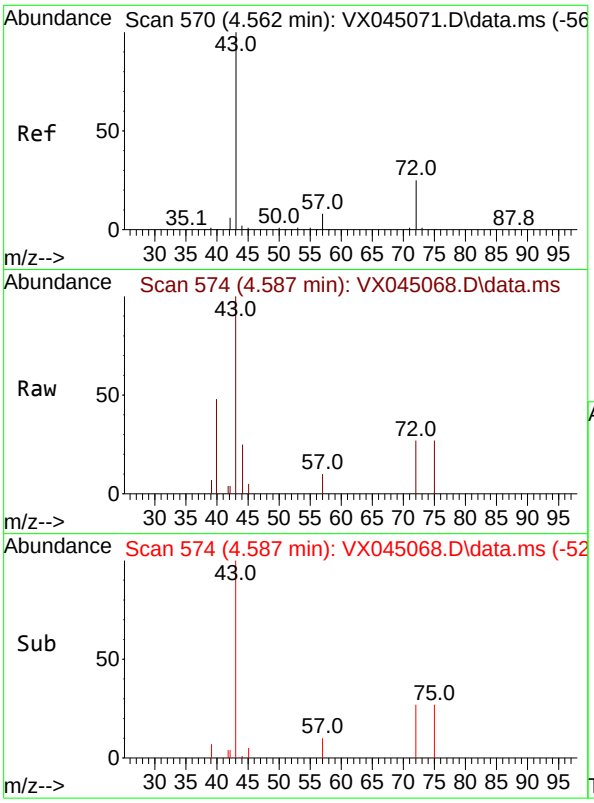


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

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





#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

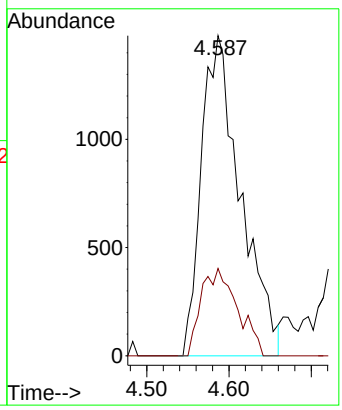
Tgt Ion: 43 Resp: 489

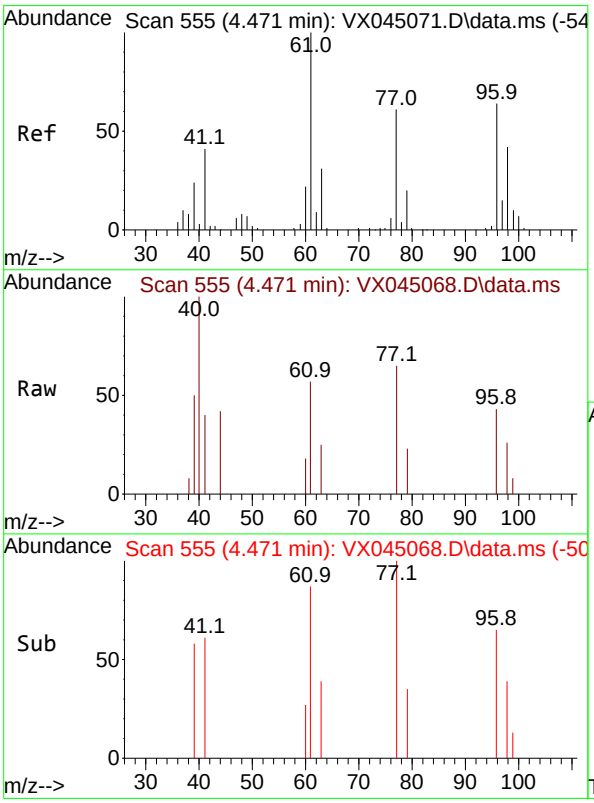
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

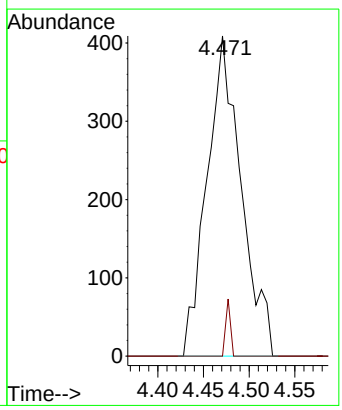


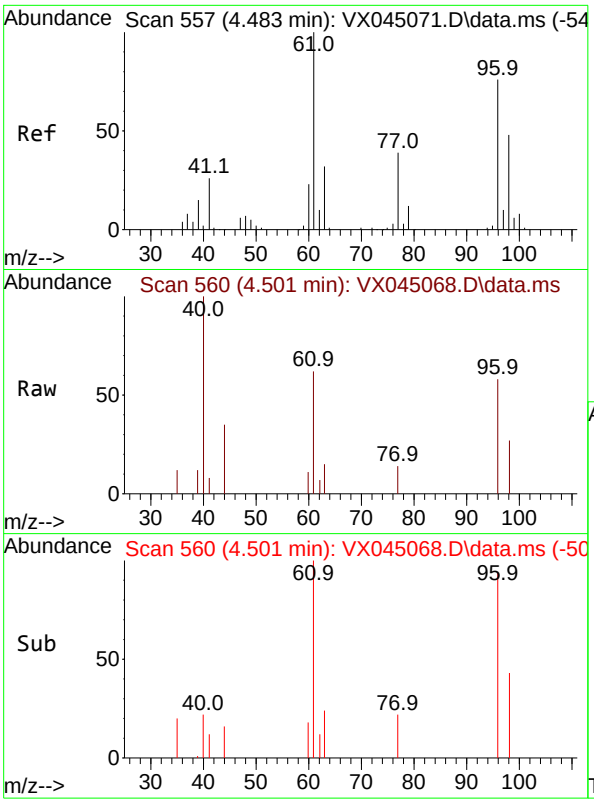


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#

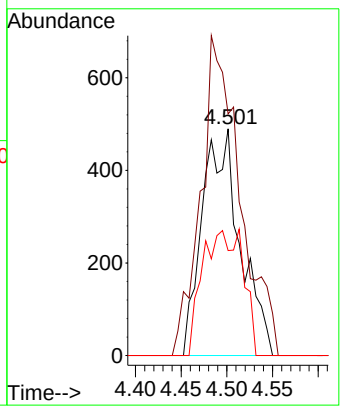




#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 141

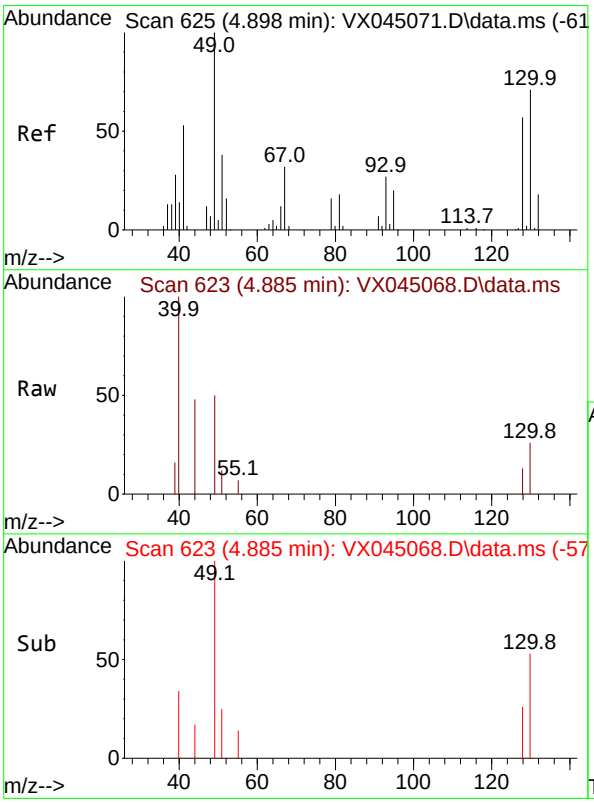
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

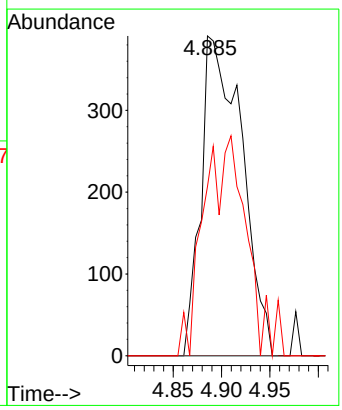
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

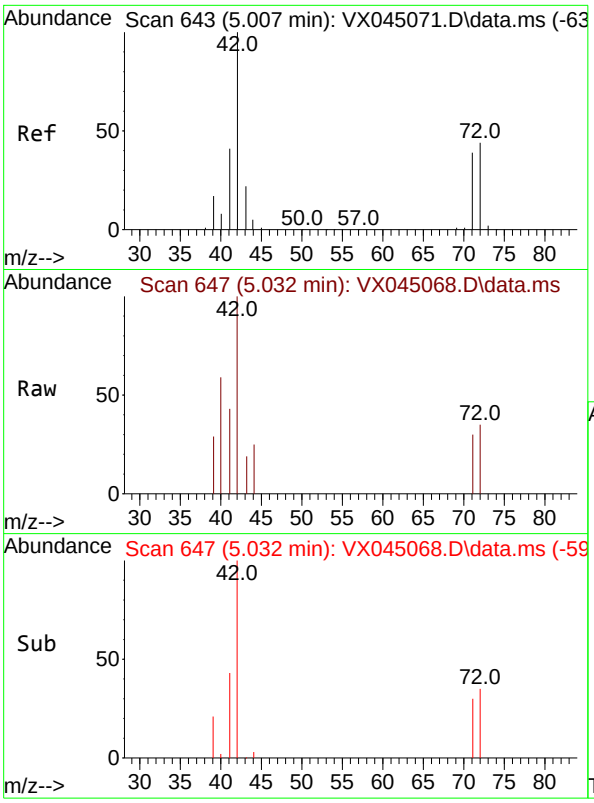


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#

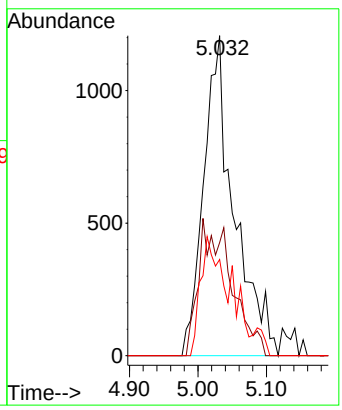




#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 42 Resp: 3719

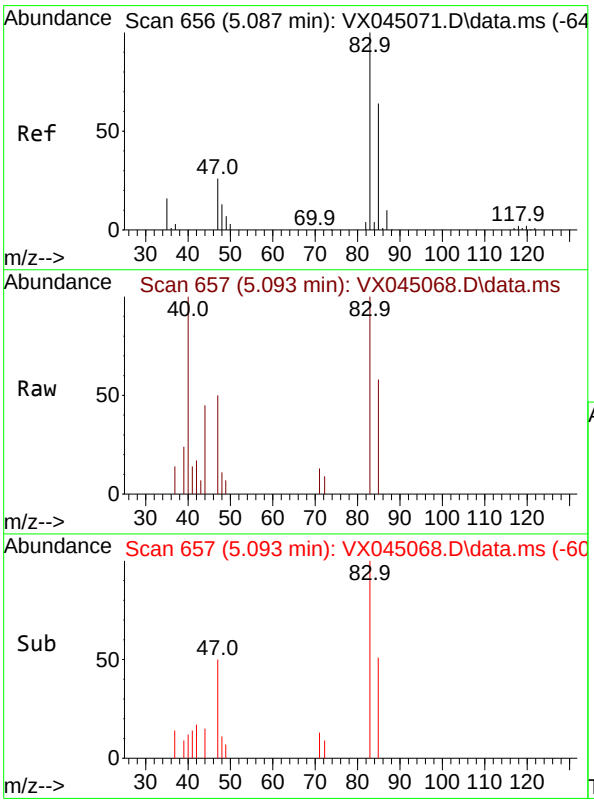
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

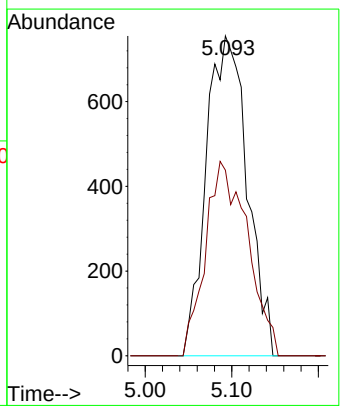
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

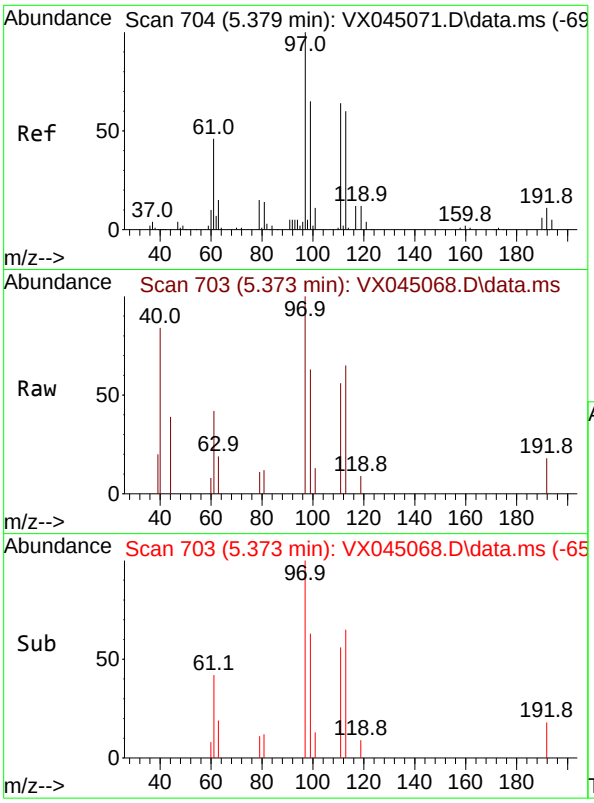


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2

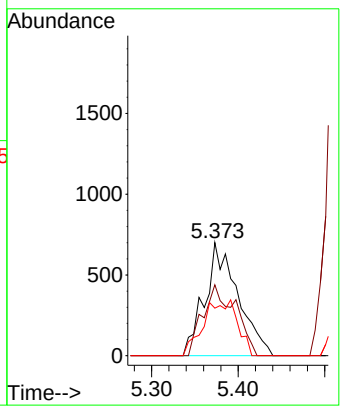




#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 186

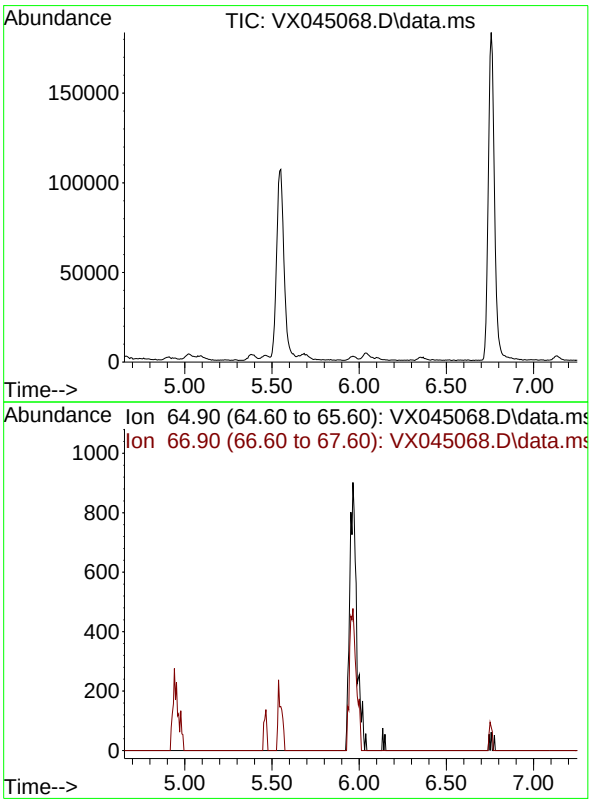
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4
61	50.0	38.4	57.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

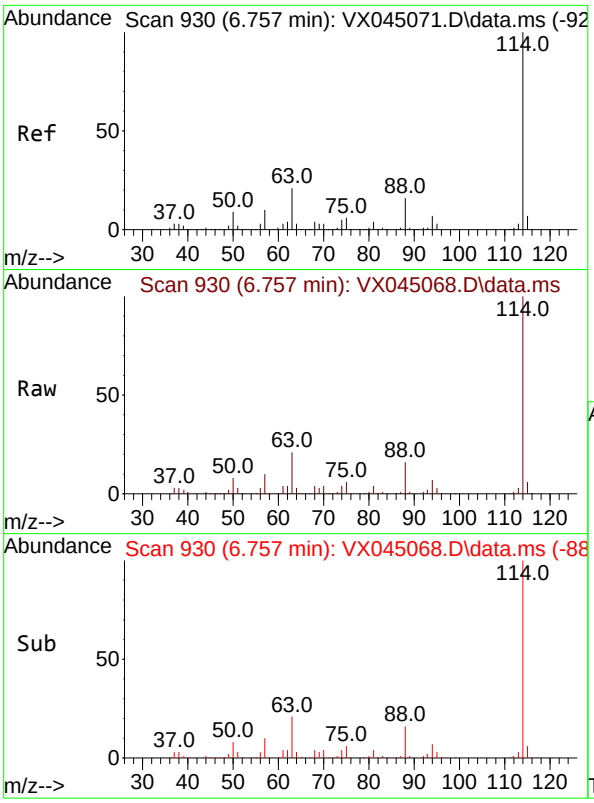


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 65

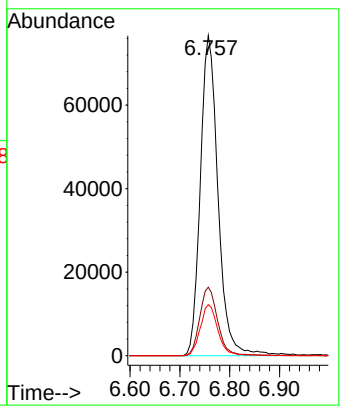
Sig	Exp Ratio
65	100
67	53.1



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 18864

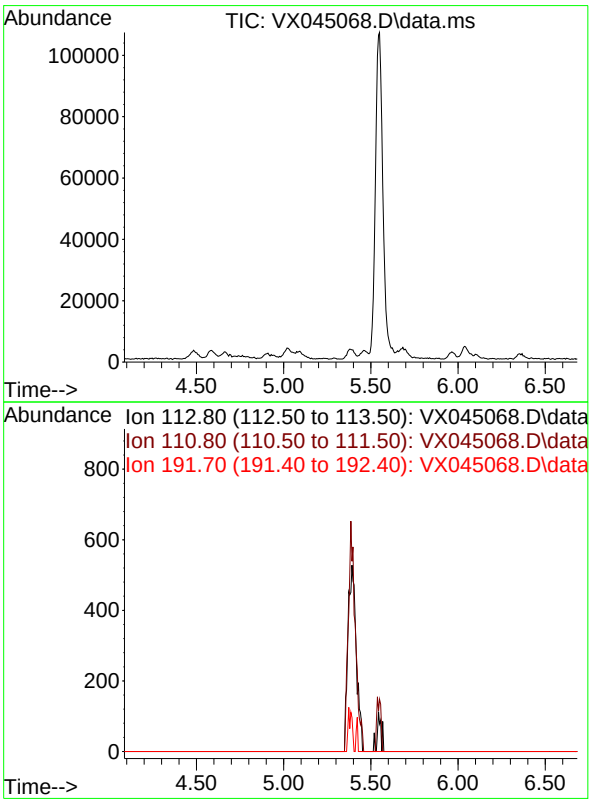
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

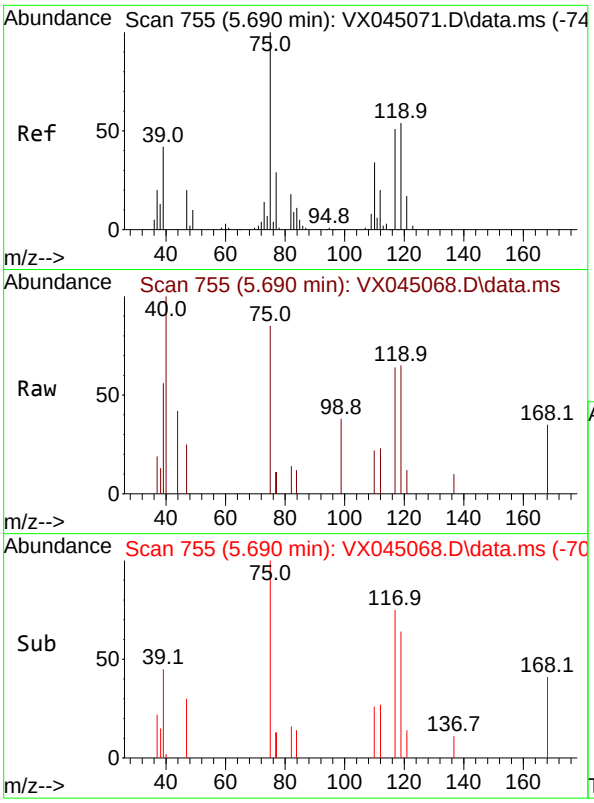


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 113

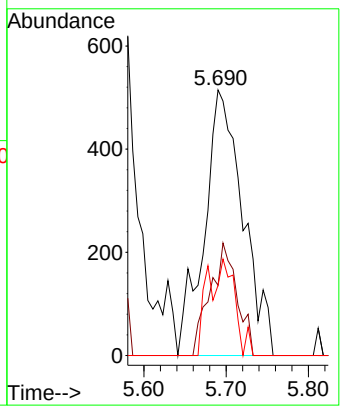
Sig	Exp Ratio
113	100
111	102.2
192	17.9



#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 168

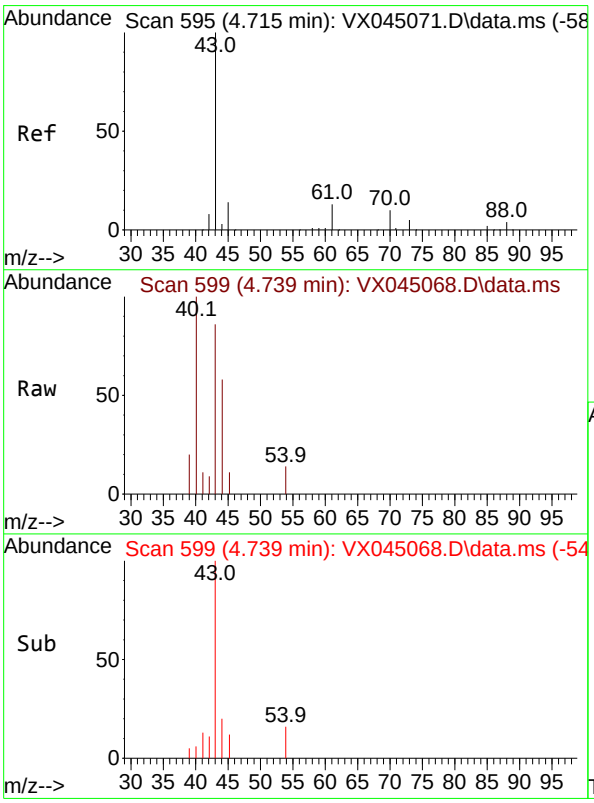
Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

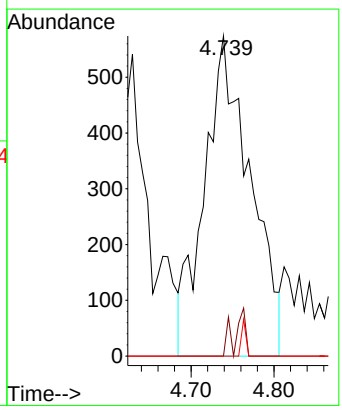
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

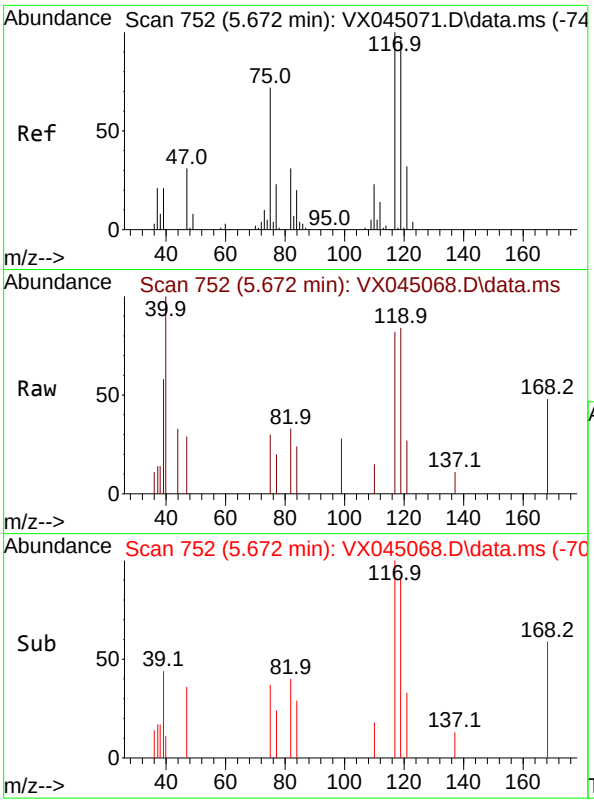


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2223

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

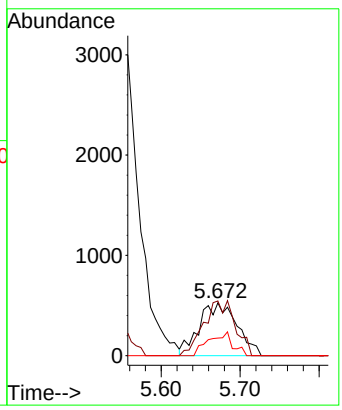




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

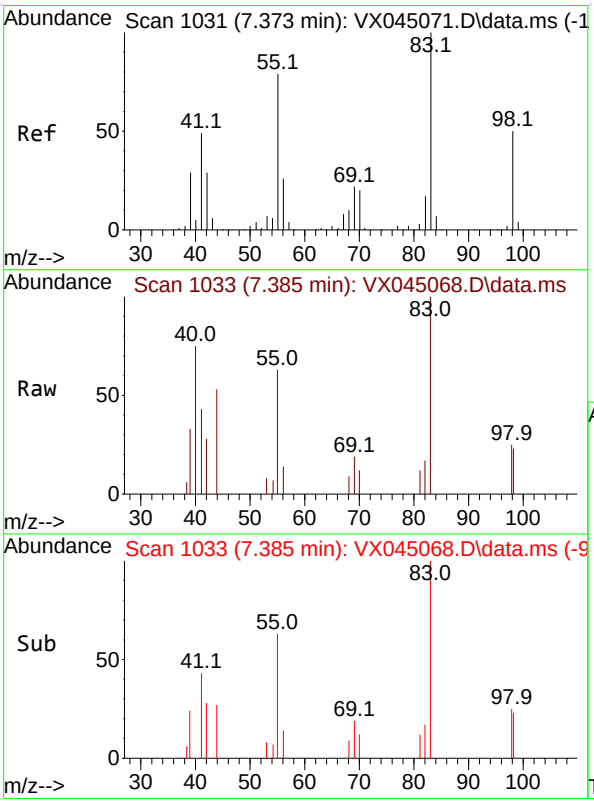
Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.7	115.1
121	33.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

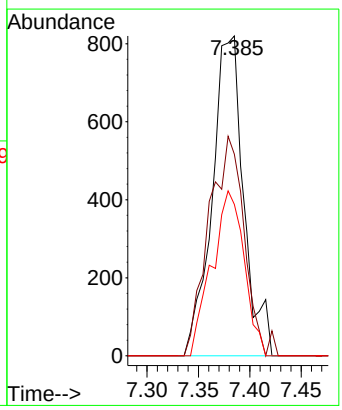
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

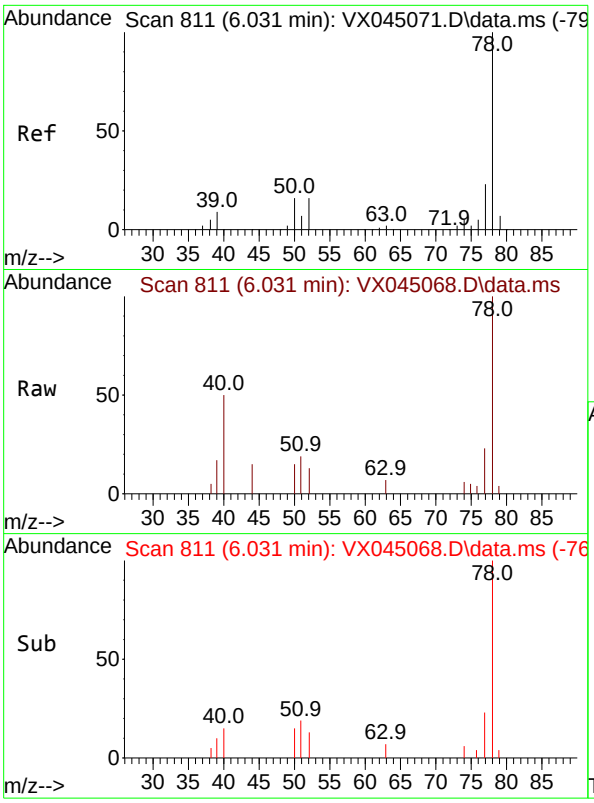


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

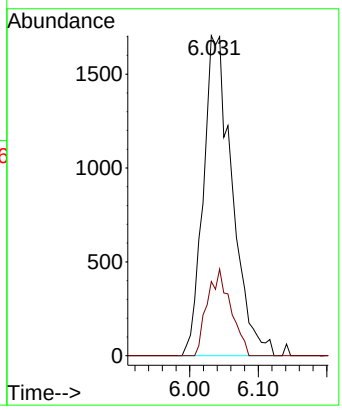




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

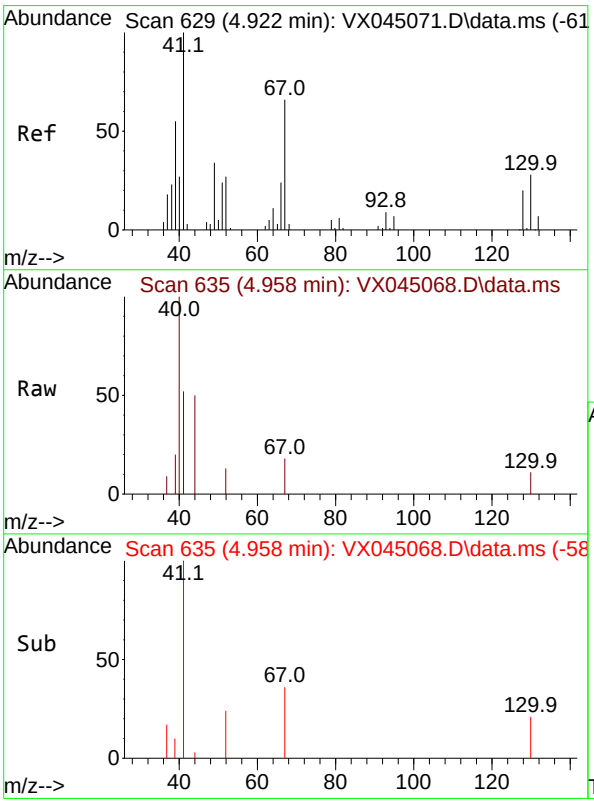
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

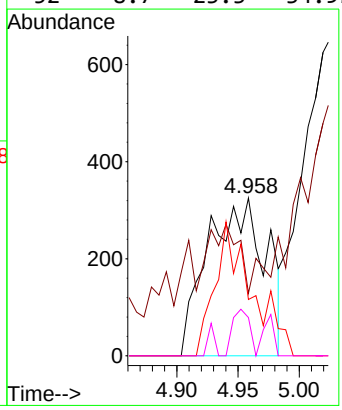
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

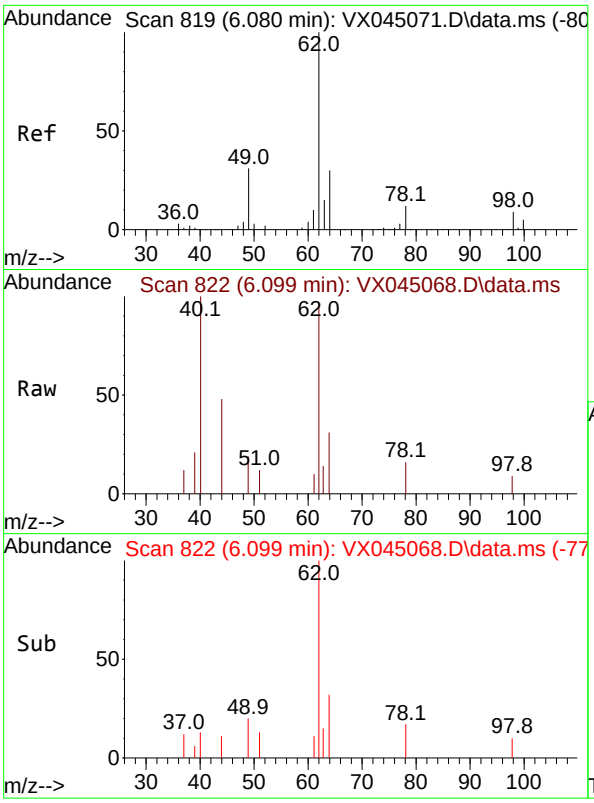


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1072

Ion	Ratio	Lower	Upper
41	100		
39	29.2	44.6	67.0#
67	53.9	53.9	80.9#
52	8.7	23.3	34.9#

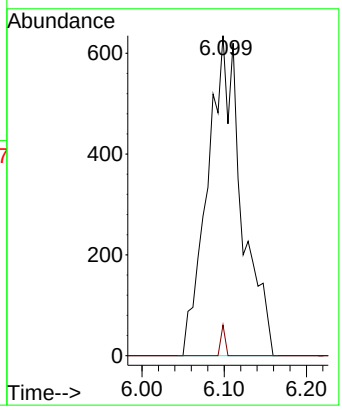




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

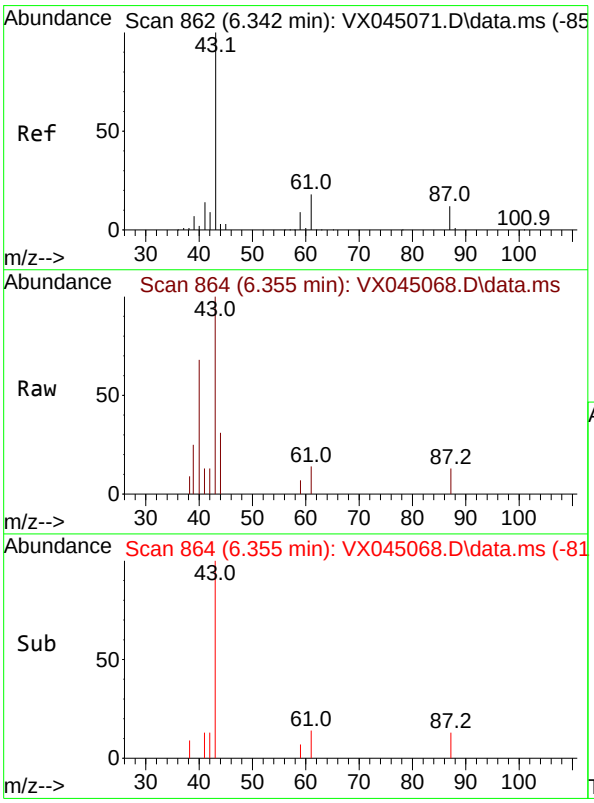
Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

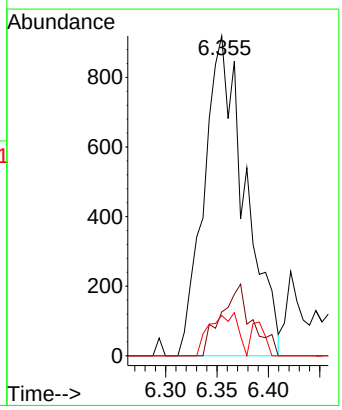
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

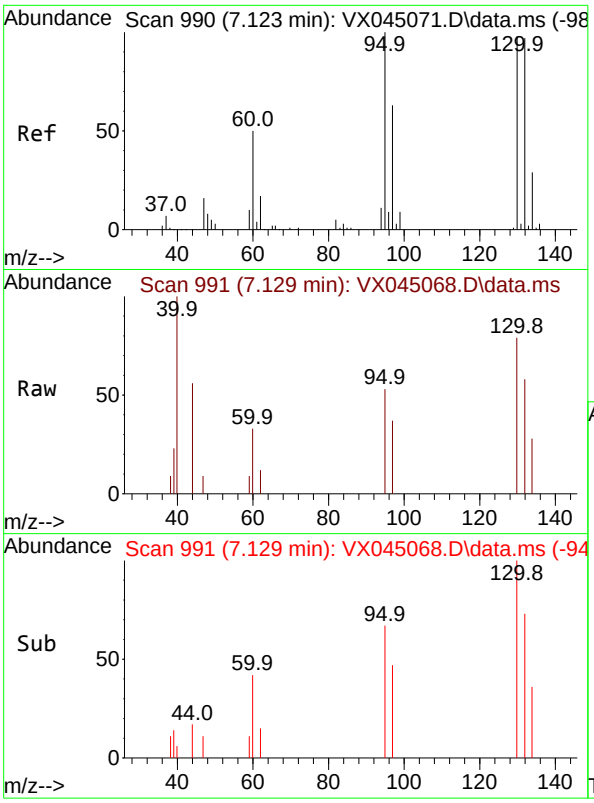


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

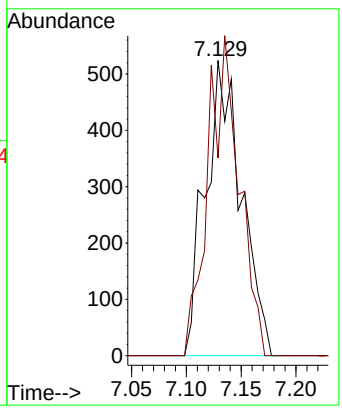




#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 120

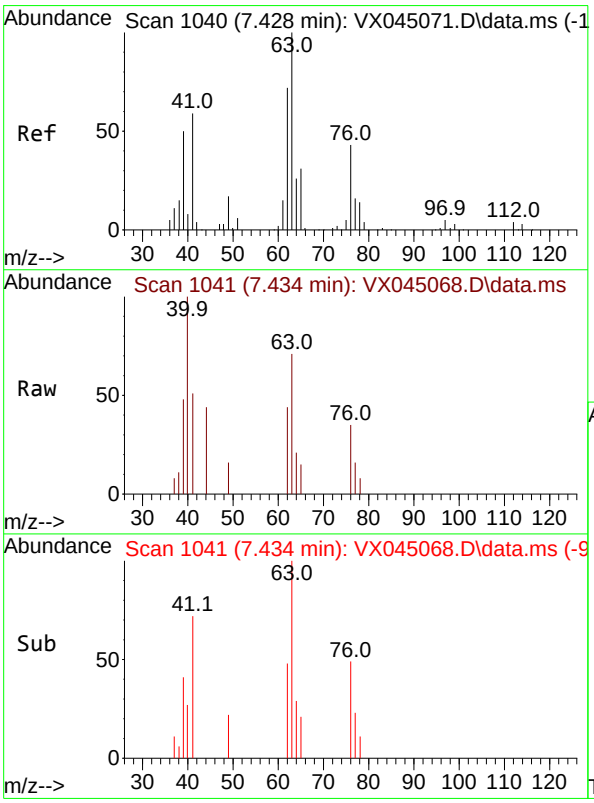
Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

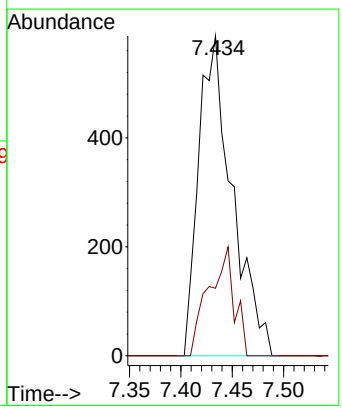
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

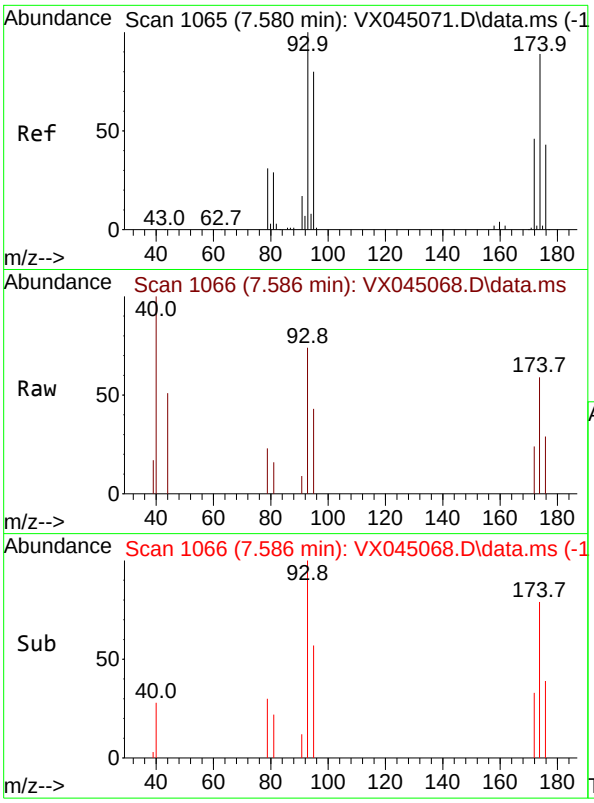


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

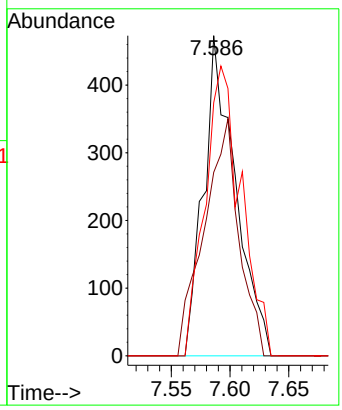




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

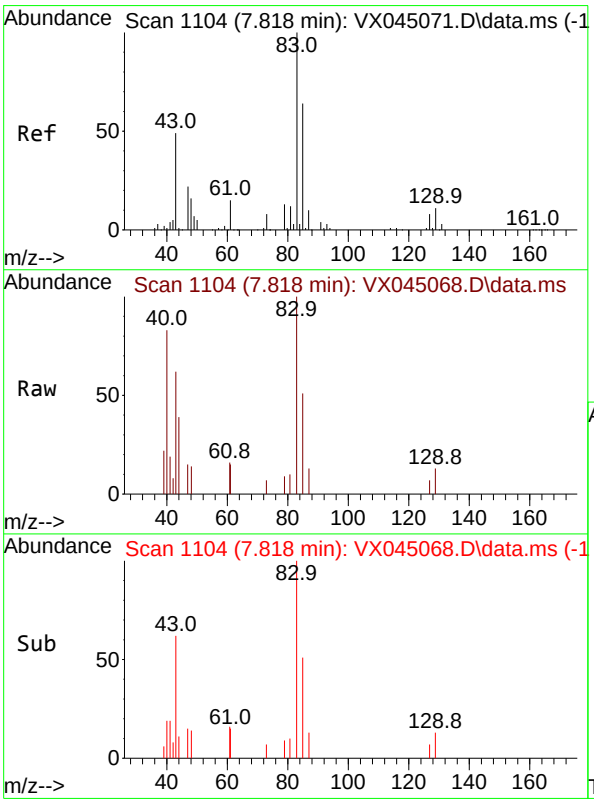
Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

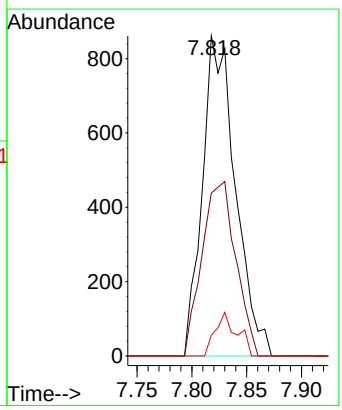
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

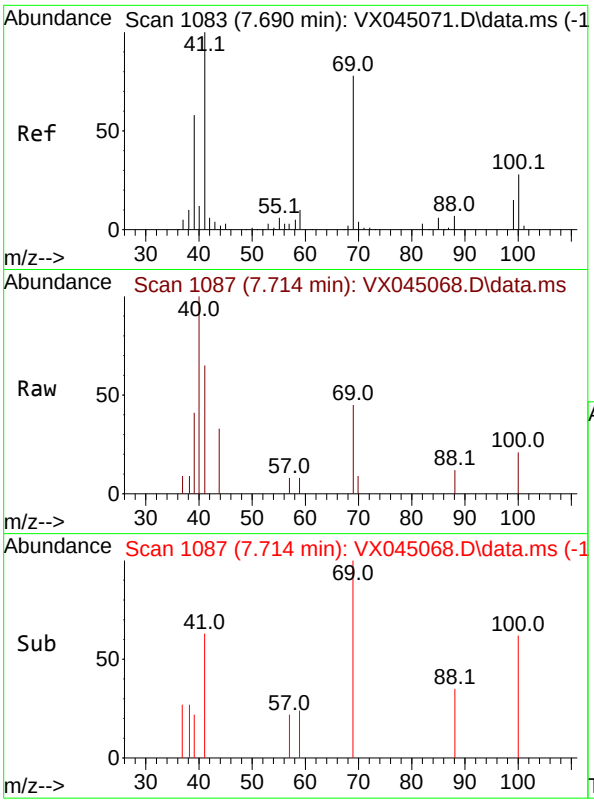


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

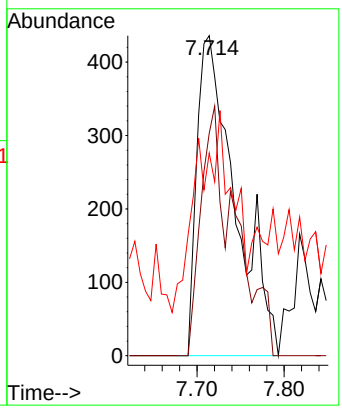




#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 132

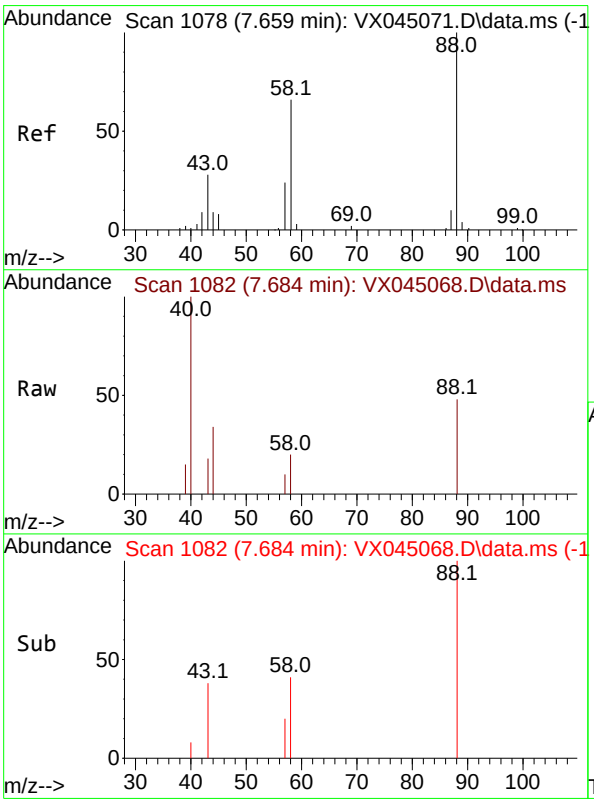
Ion	Ratio	Lower	Upper
41	100		
69	41.4	63.0	94.6#
39	20.7	47.5	71.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

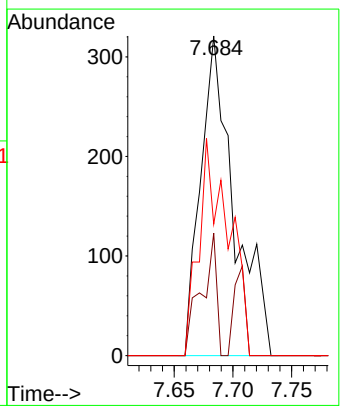
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

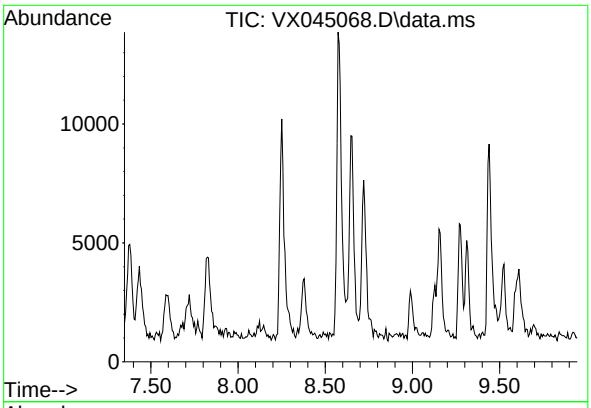


#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8





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

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

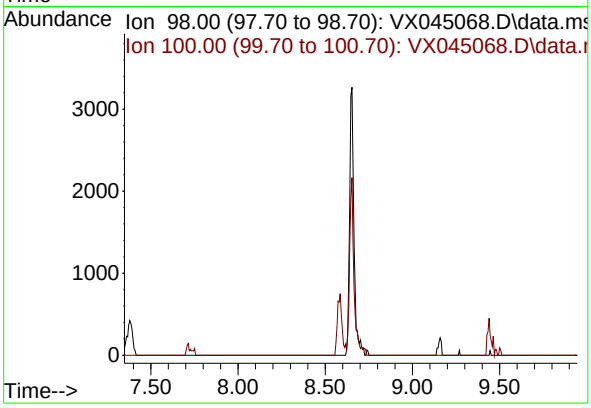
Tgt Ion: 98

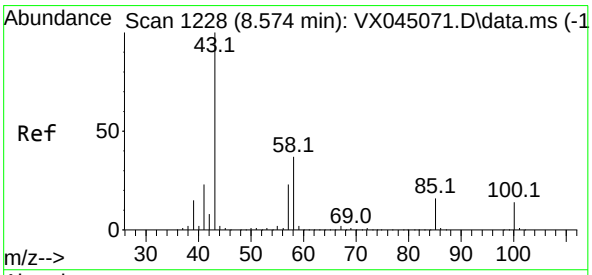
Sig	Exp Ratio
98	100
100	65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

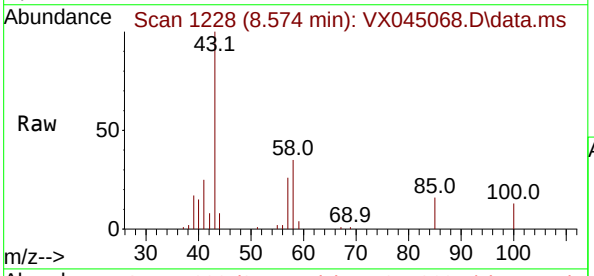


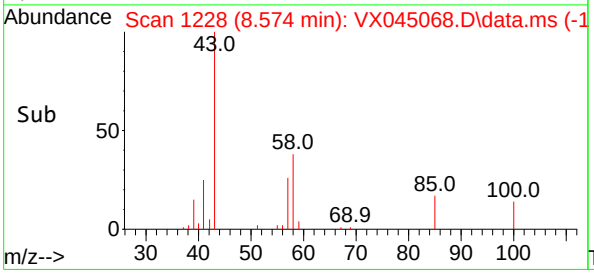


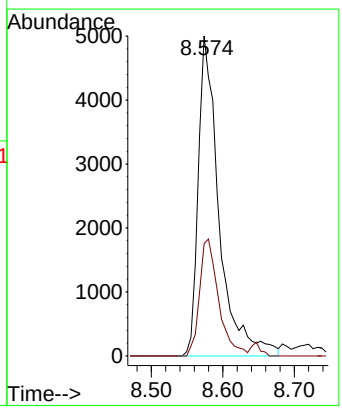
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

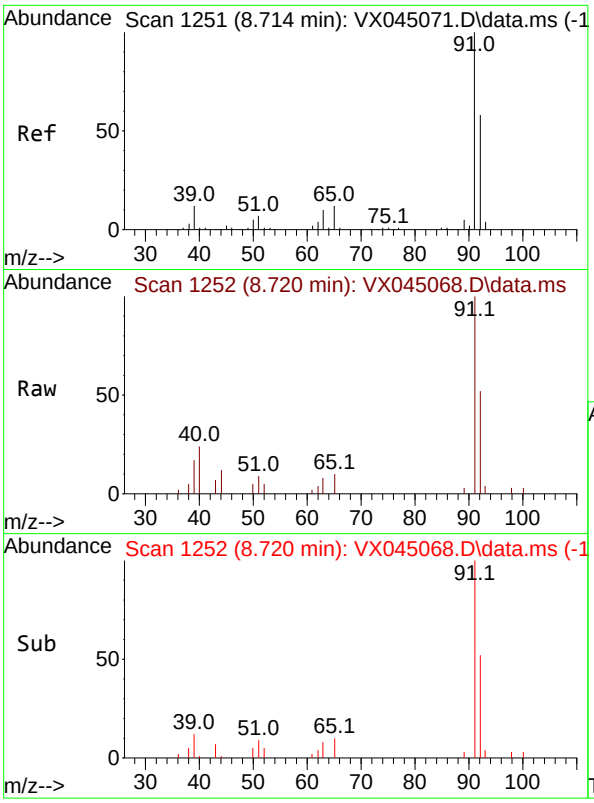
Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8





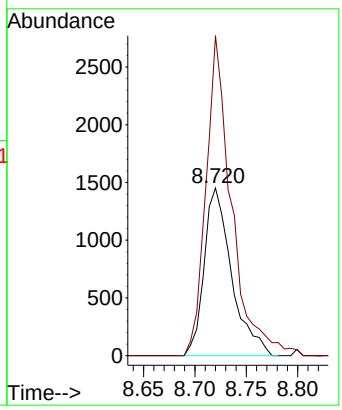




#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 270

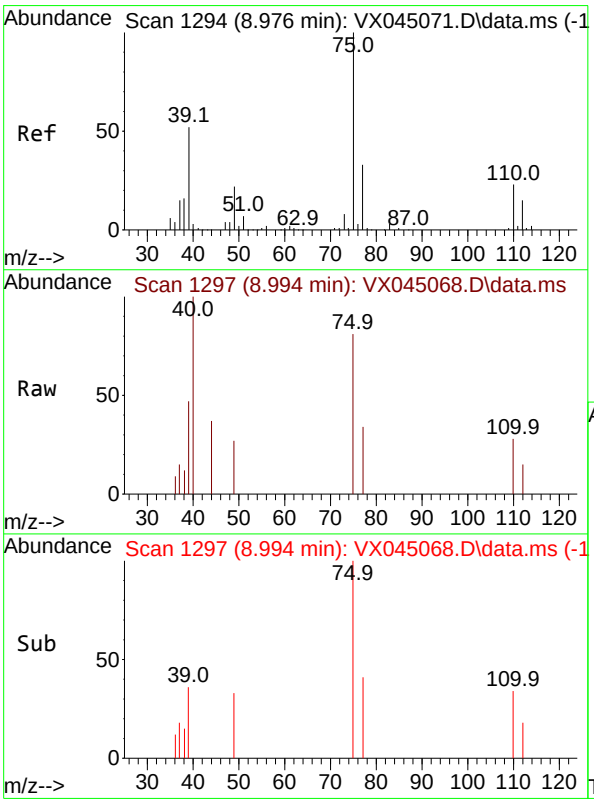
Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

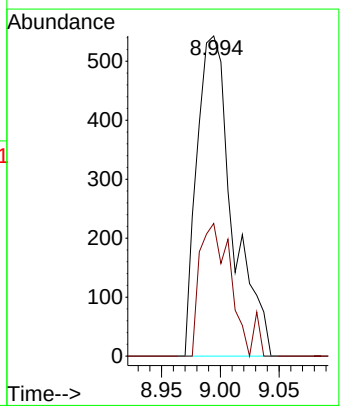
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

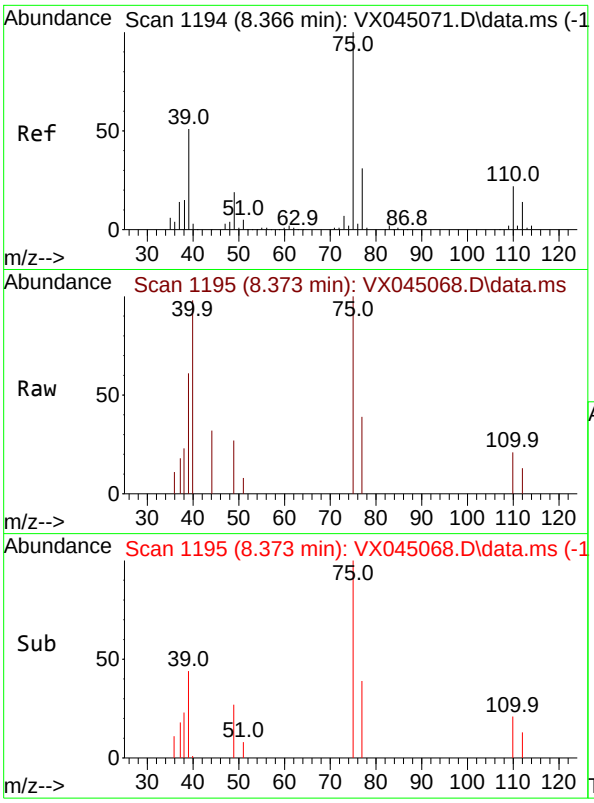


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

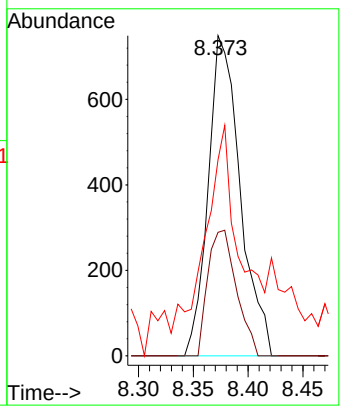




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

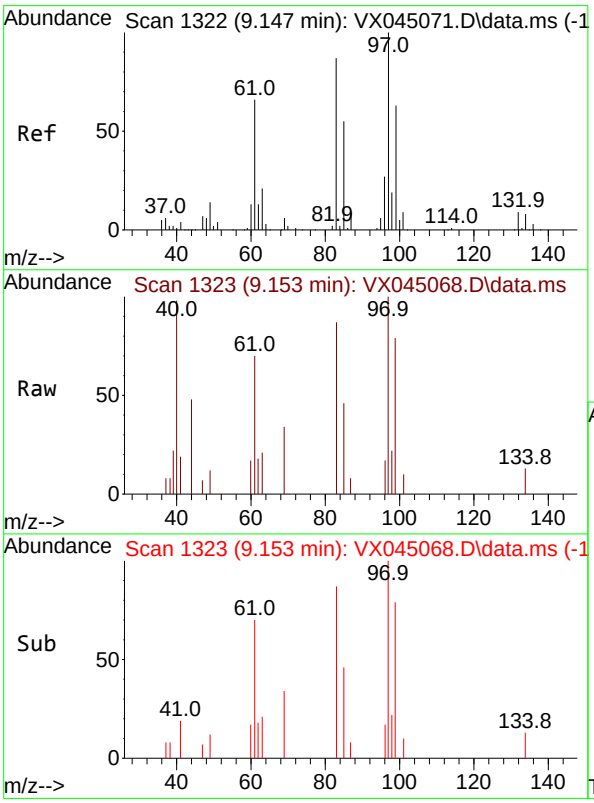
Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

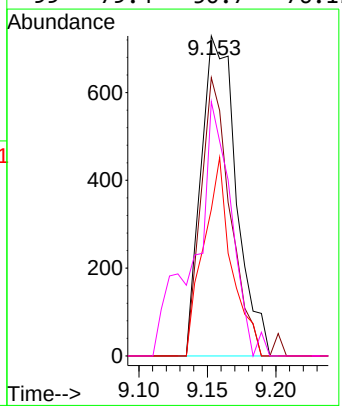
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

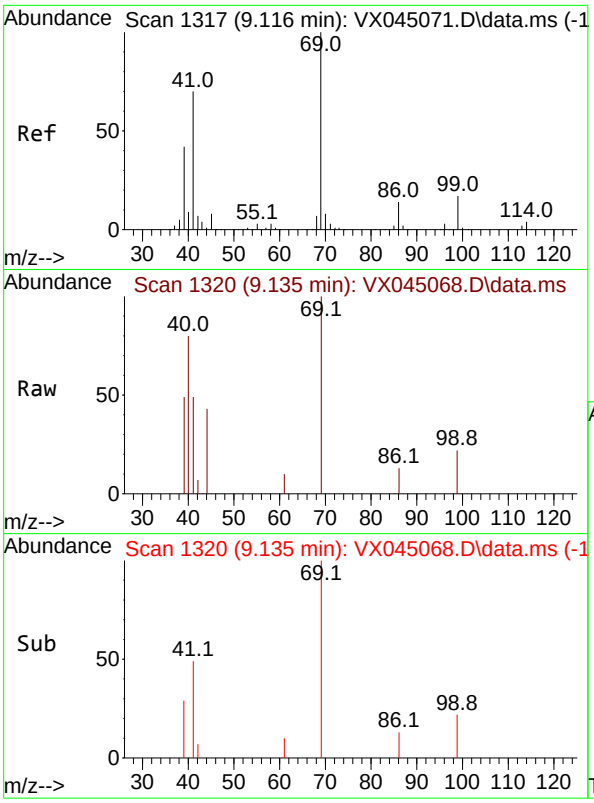


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

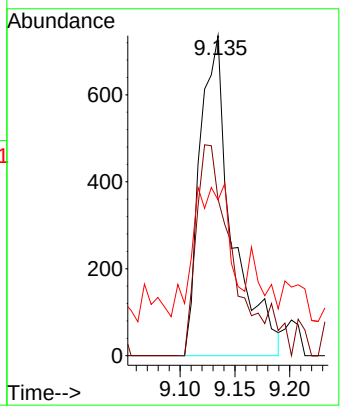




#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 149

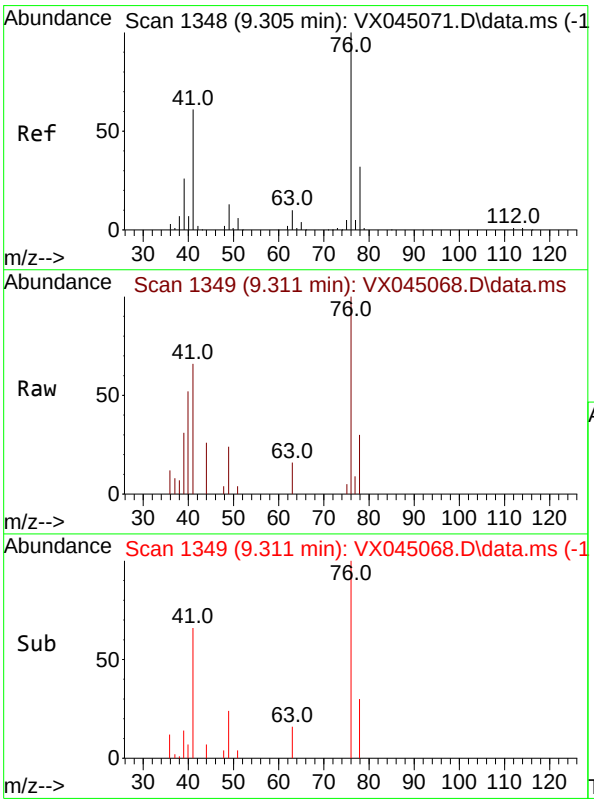
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

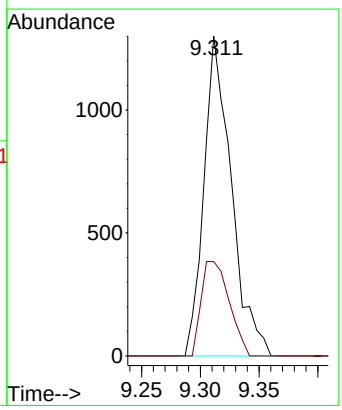
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

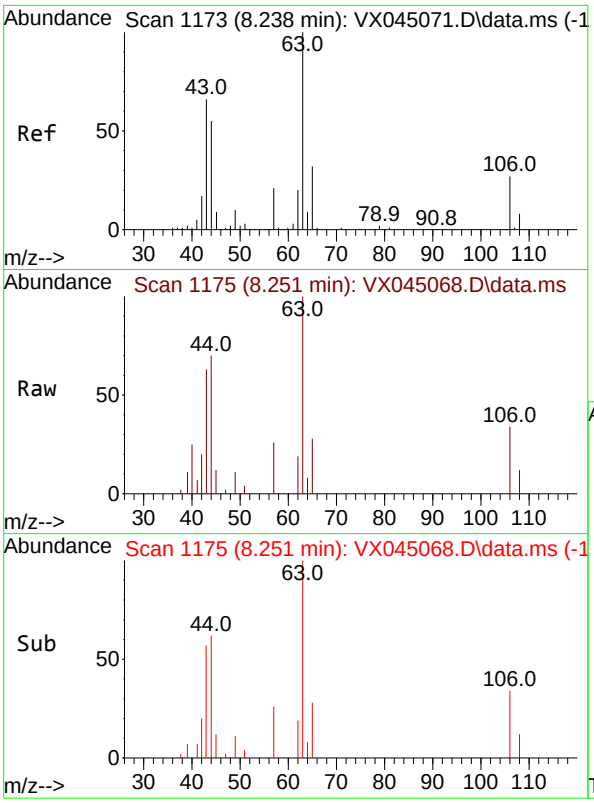


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3





#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

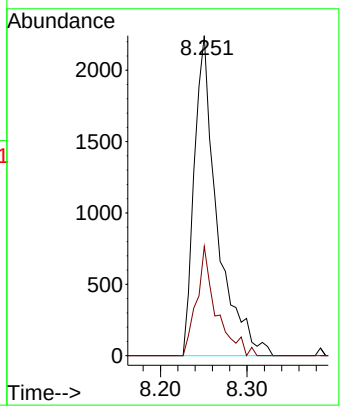
Tgt Ion: 63 Resp: 411

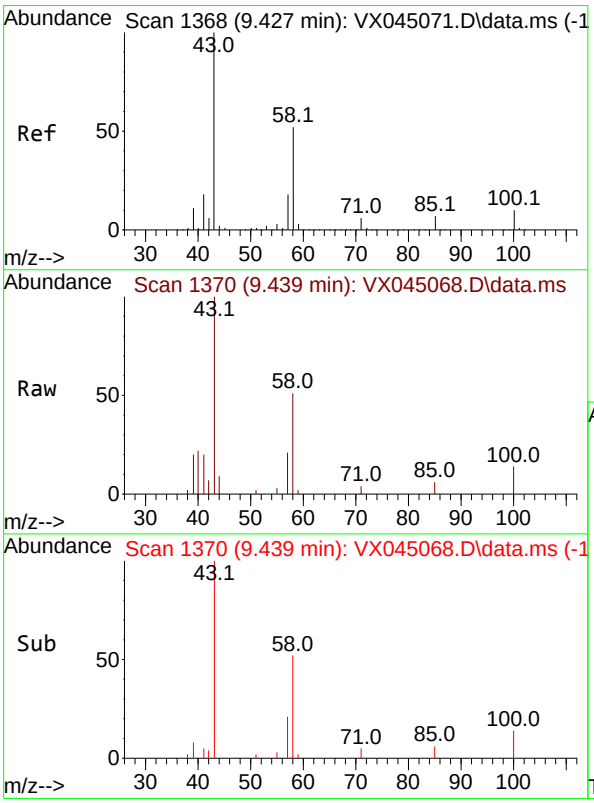
Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

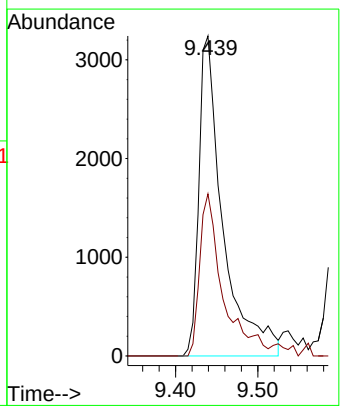


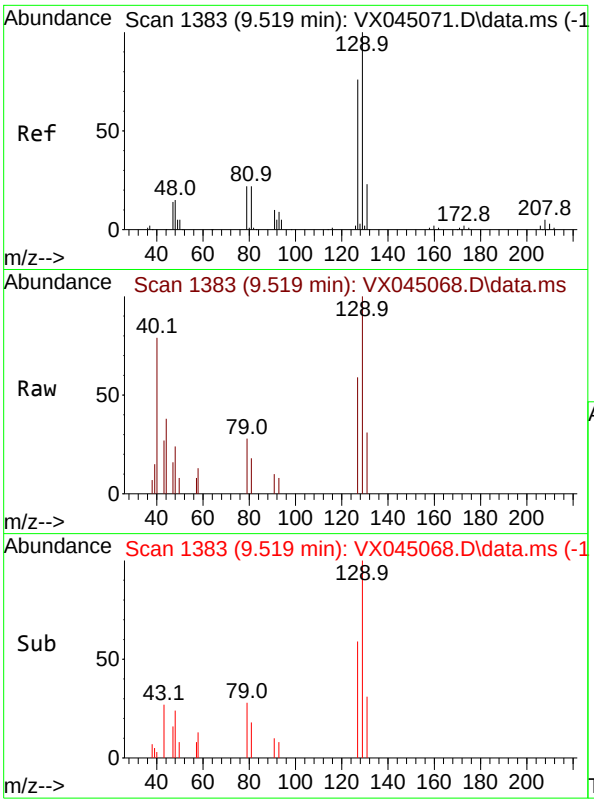


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

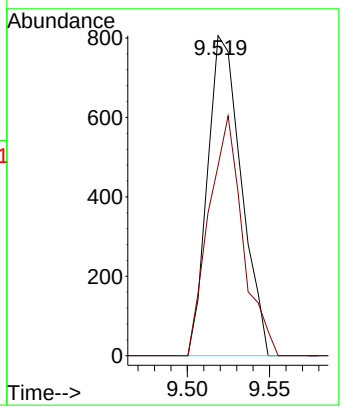




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

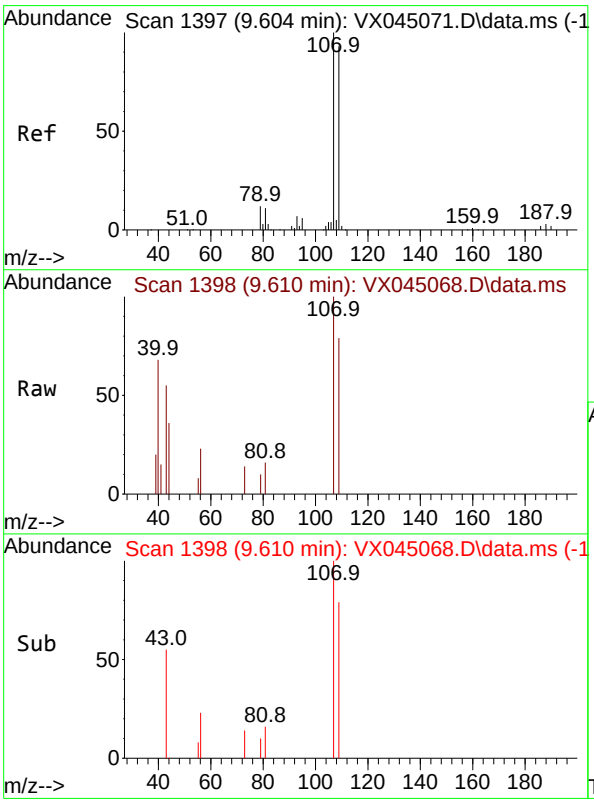
Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

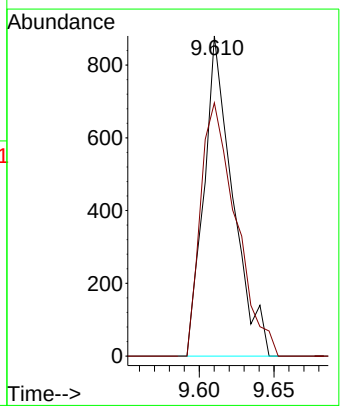
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

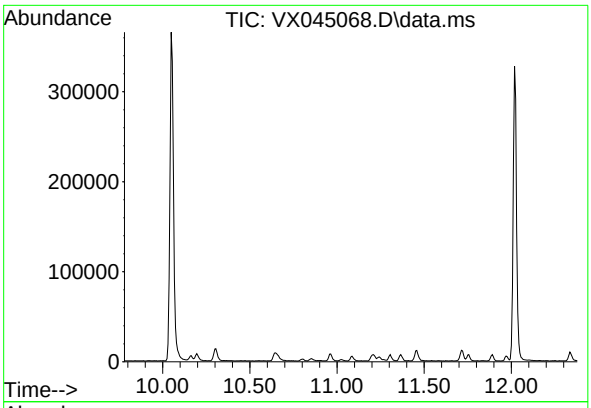


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1





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

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

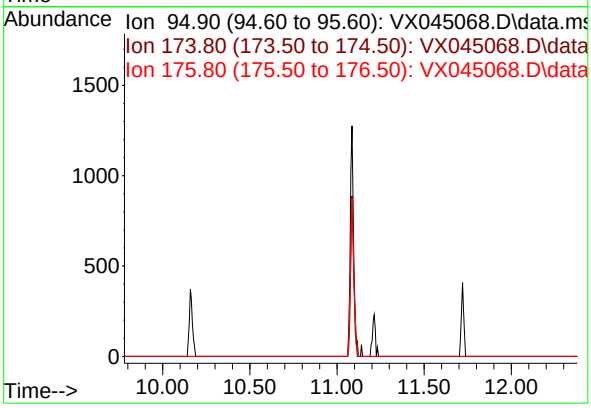
Tgt Ion: 95

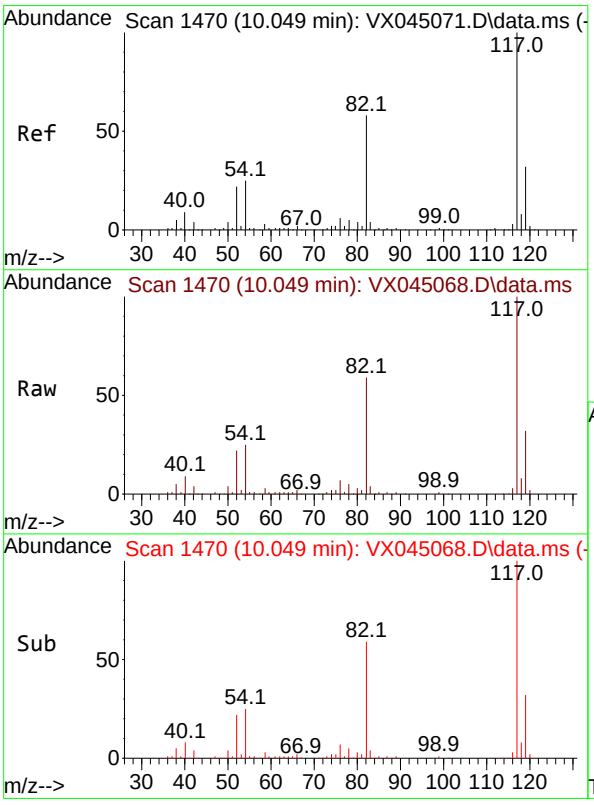
Sig	Exp Ratio
95	100
174	74.1
176	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

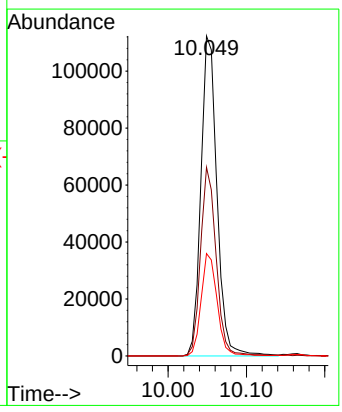


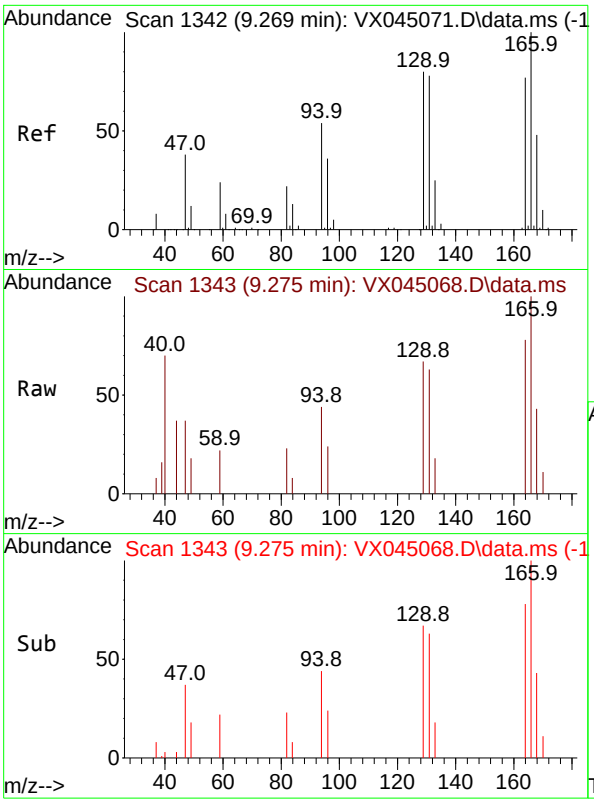


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

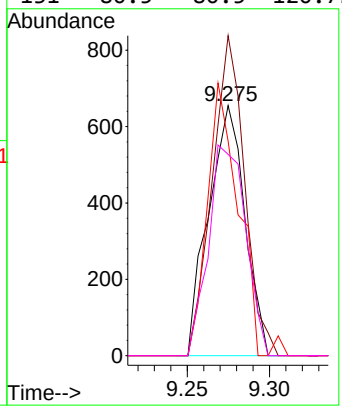




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

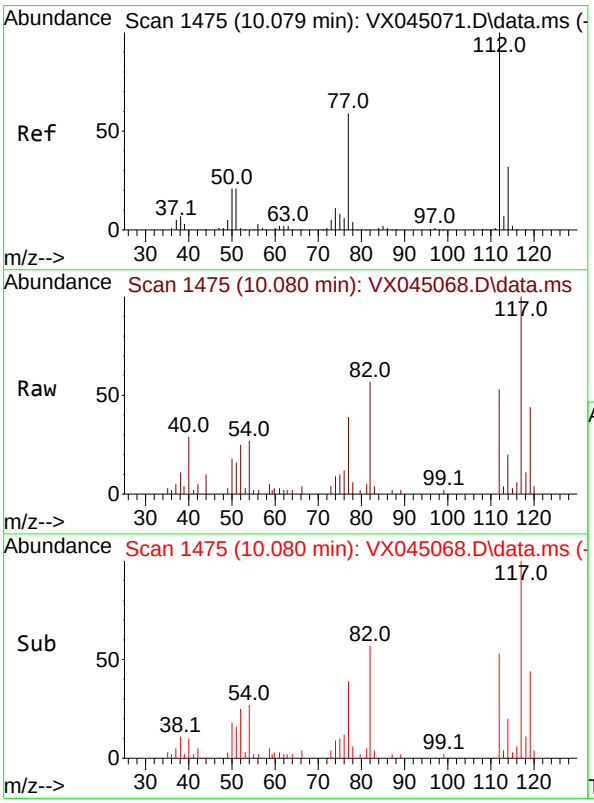
Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

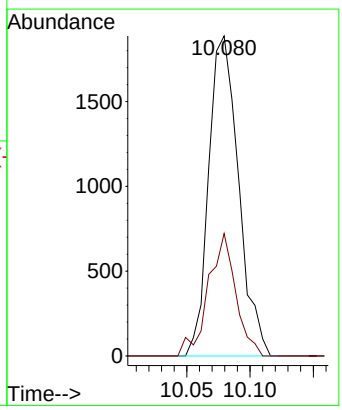
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

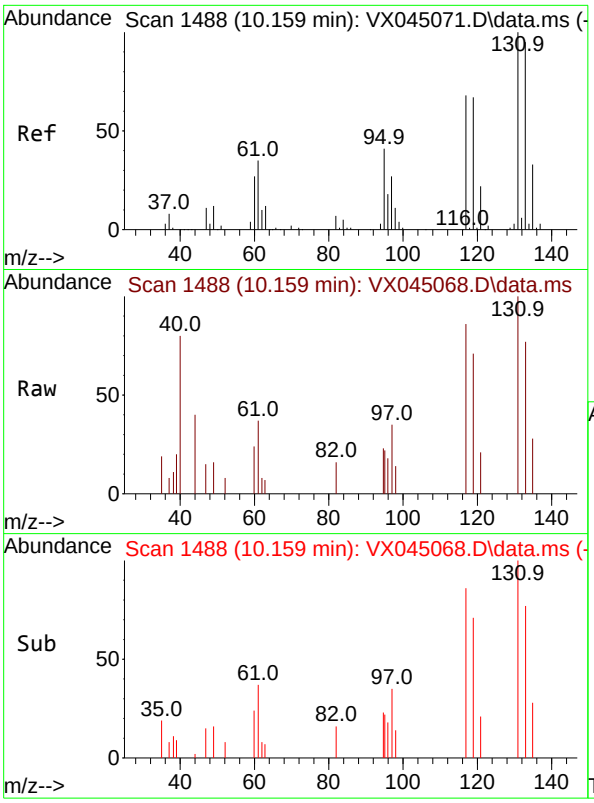


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

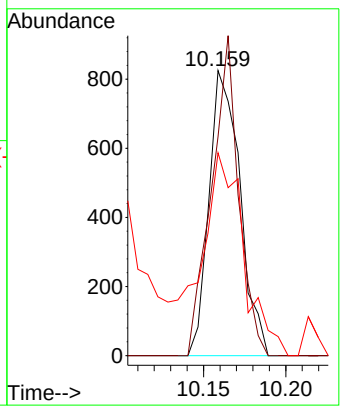
Tgt Ion:131 Resp: 107

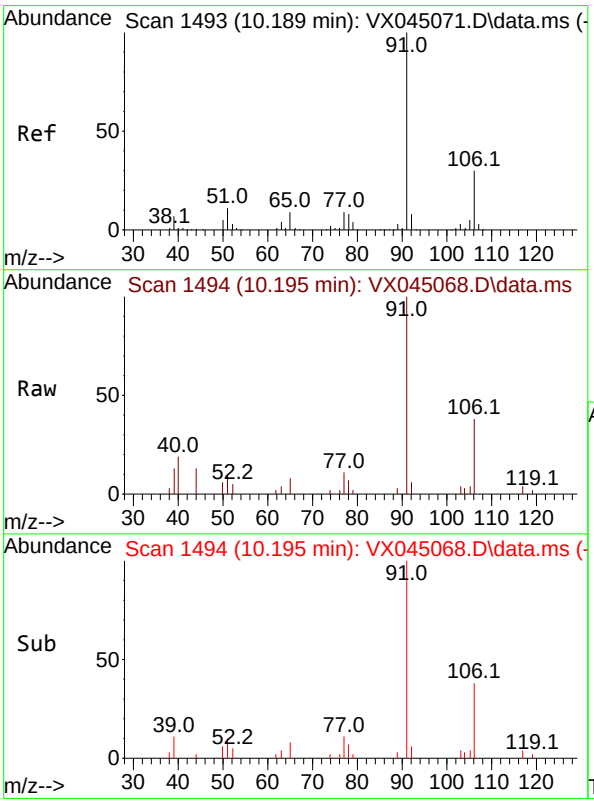
Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

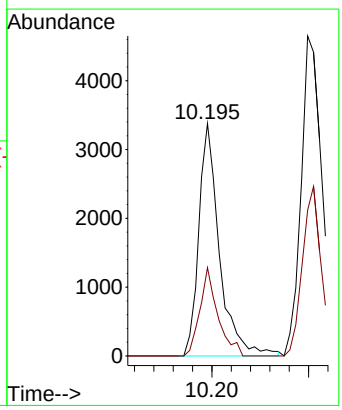


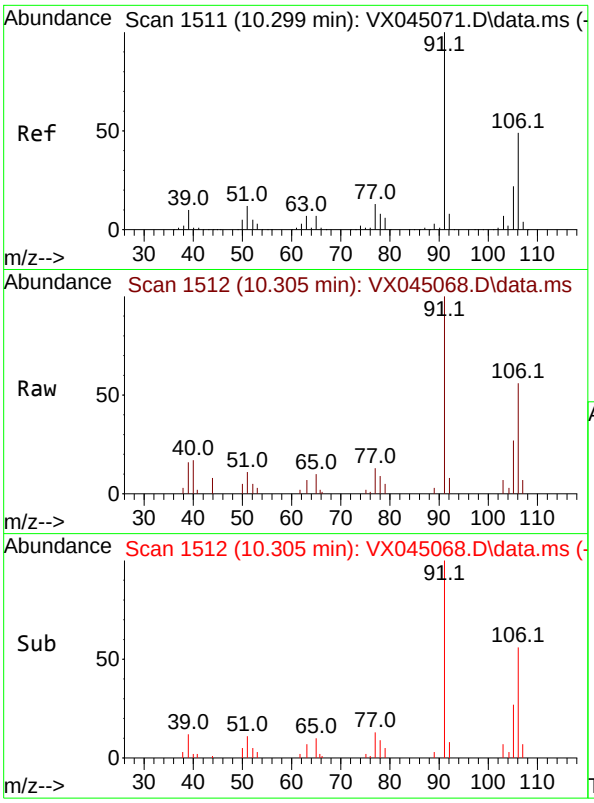


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

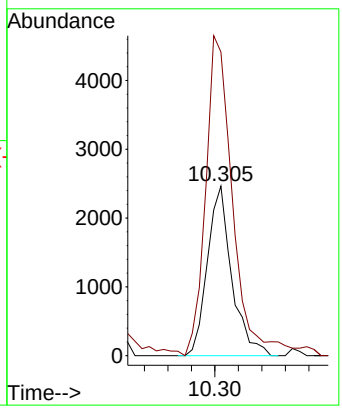




#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 355

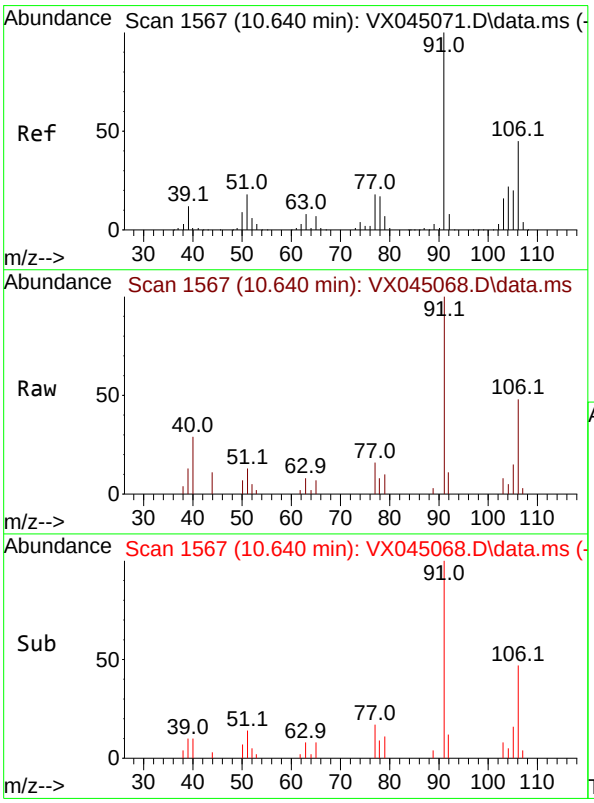
Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

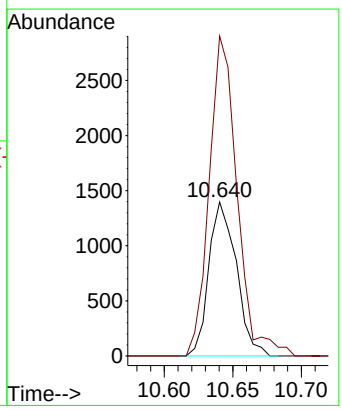
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

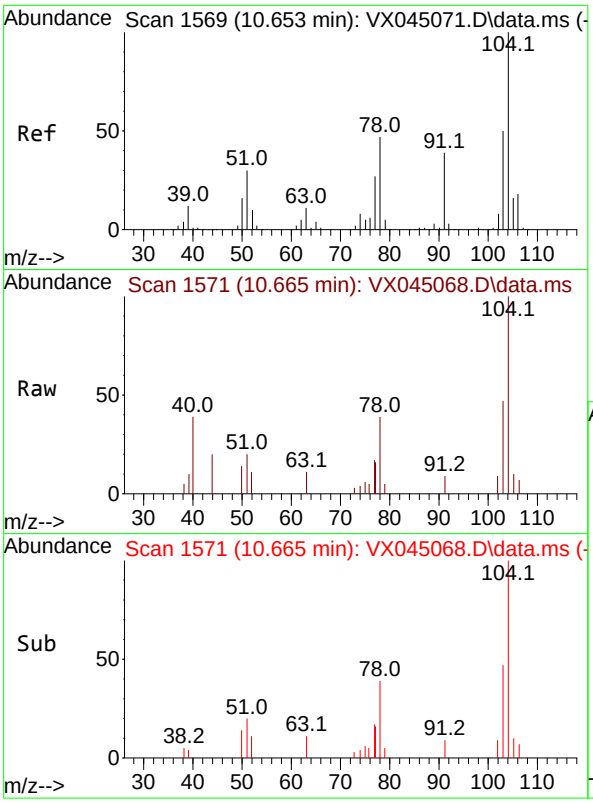


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

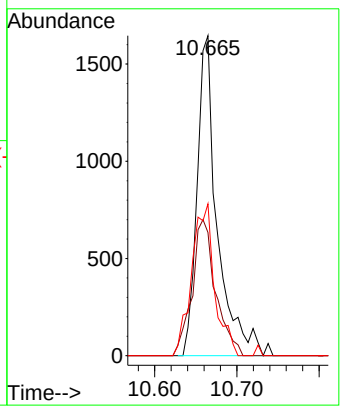




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

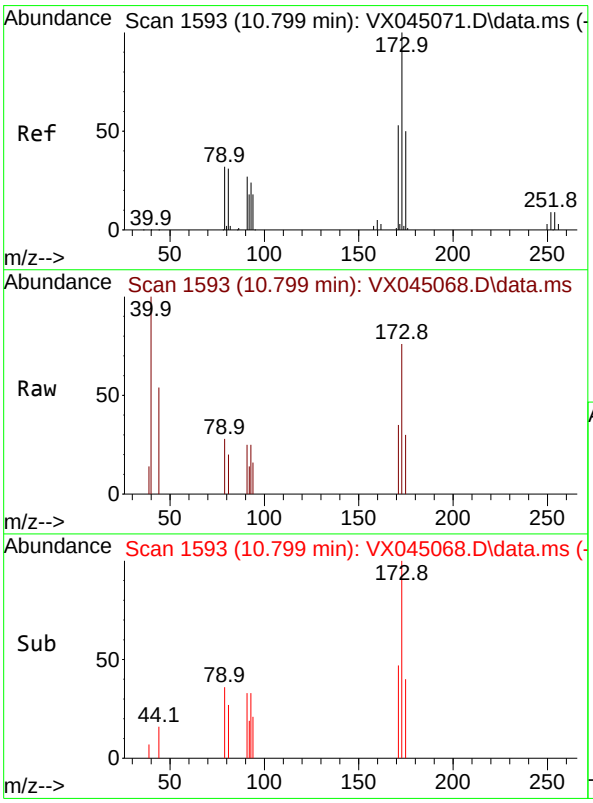
Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

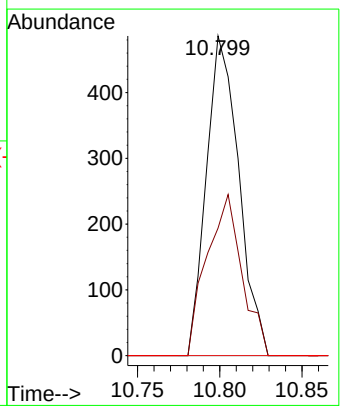
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

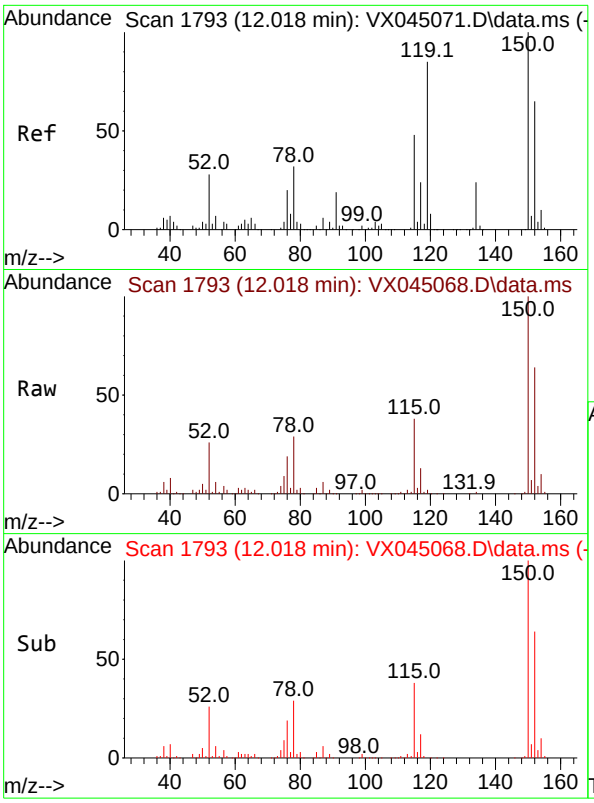


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

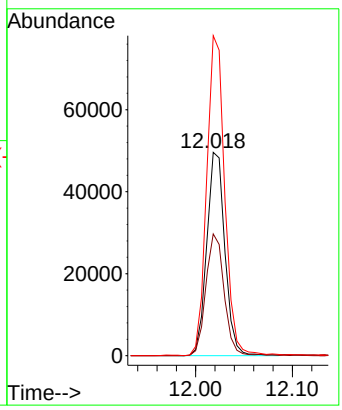




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

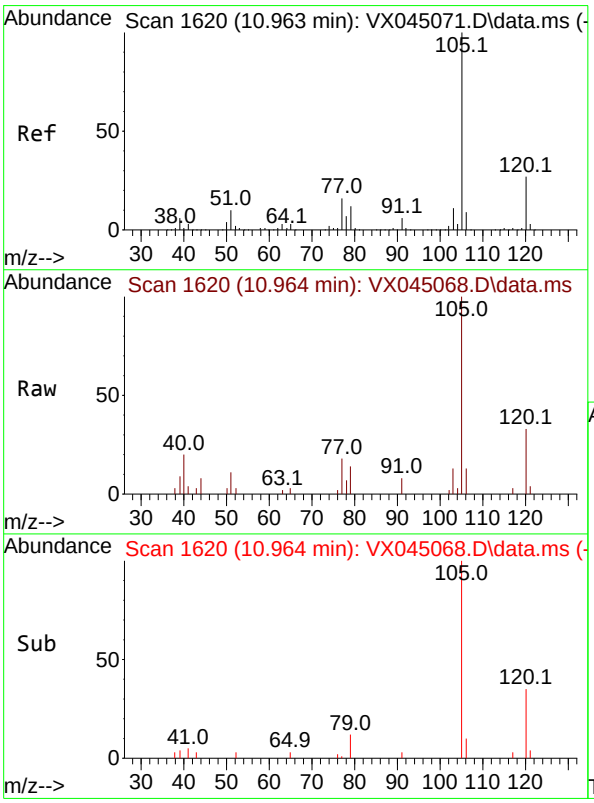
Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

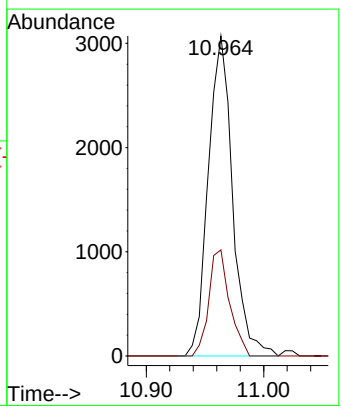
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

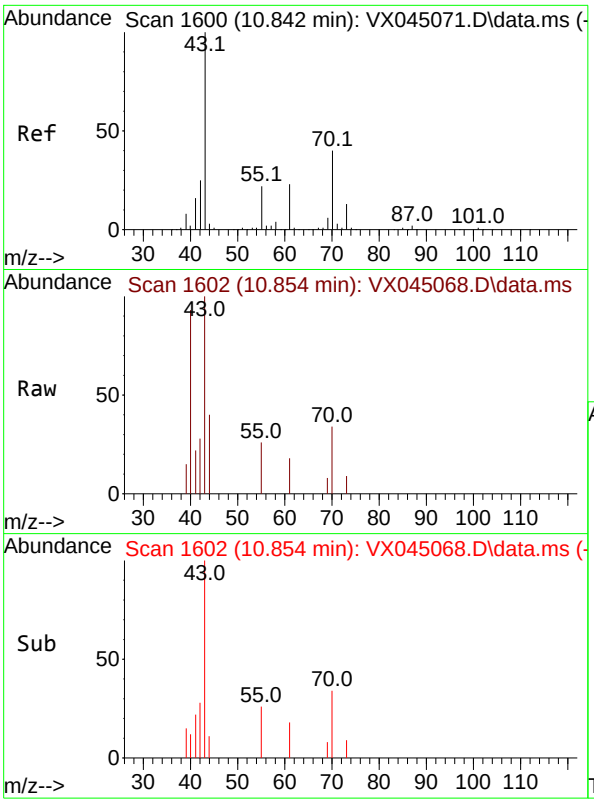


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

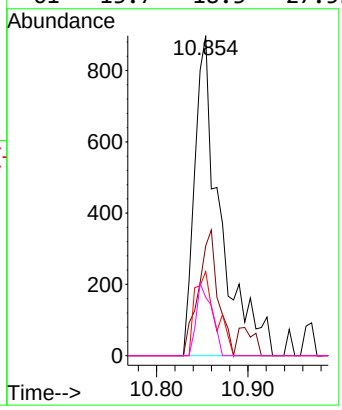




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

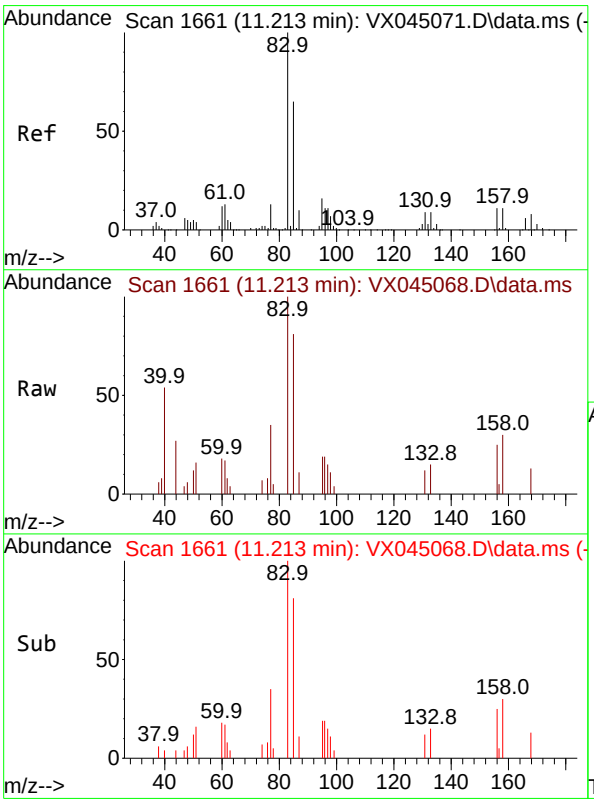
Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

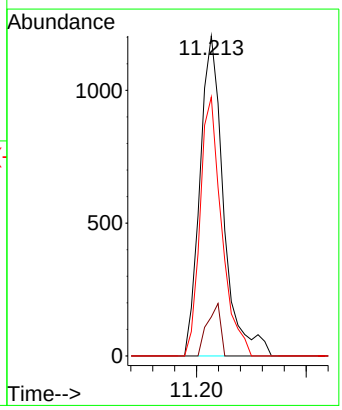
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

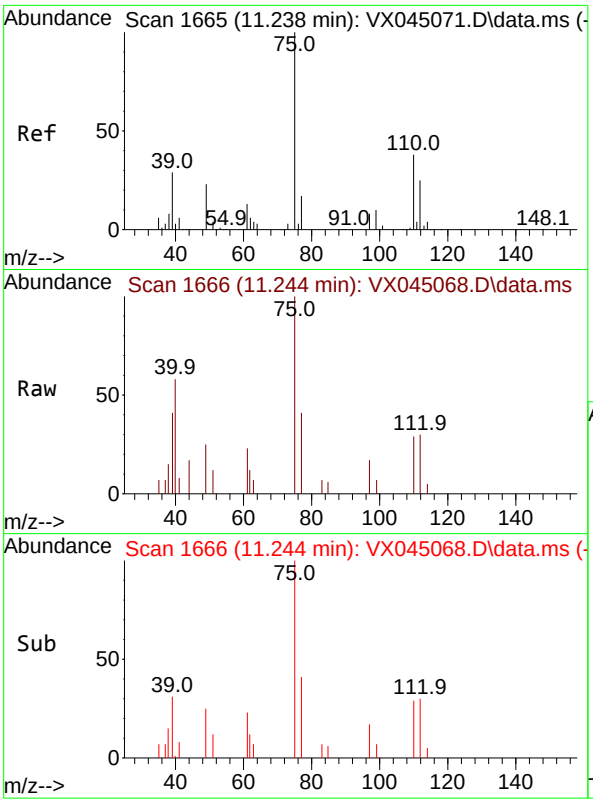


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

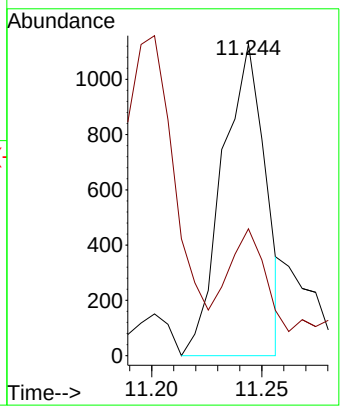




#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 153

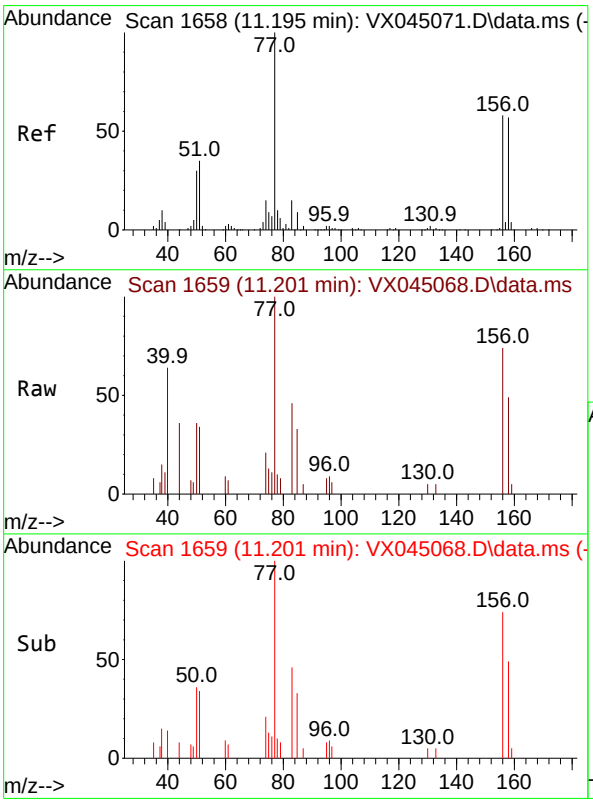
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

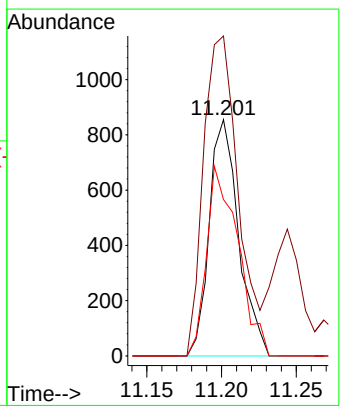
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

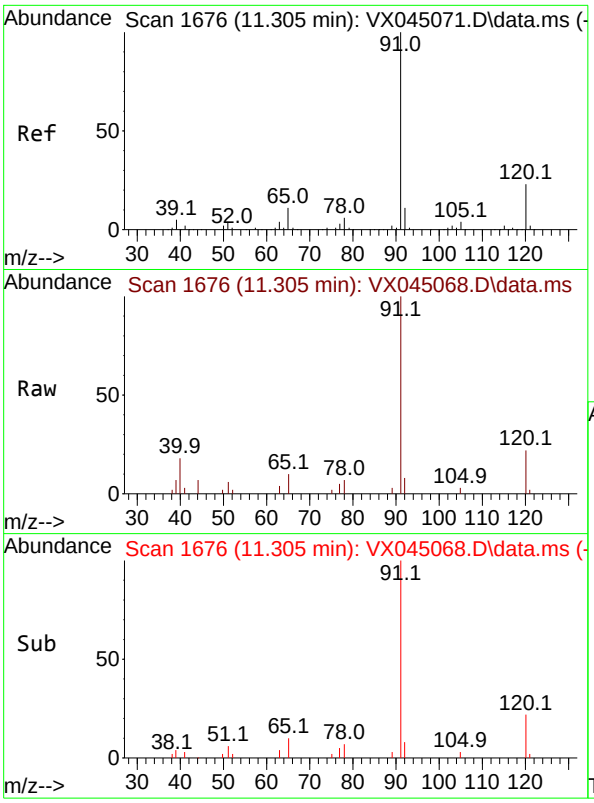


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

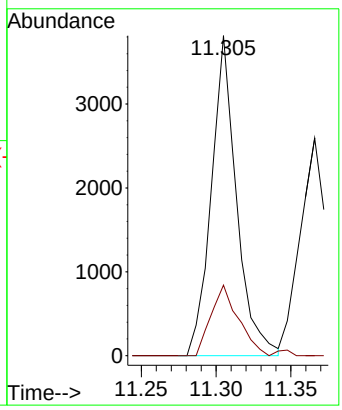




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

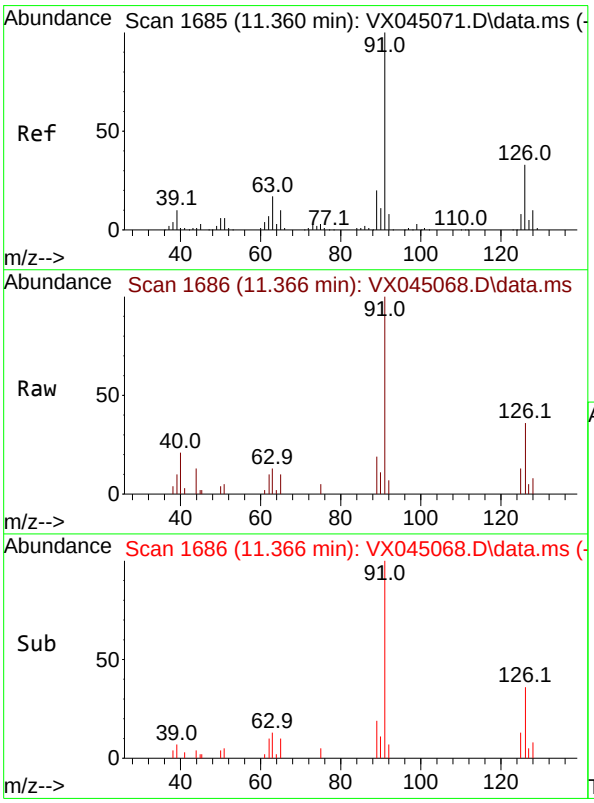
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

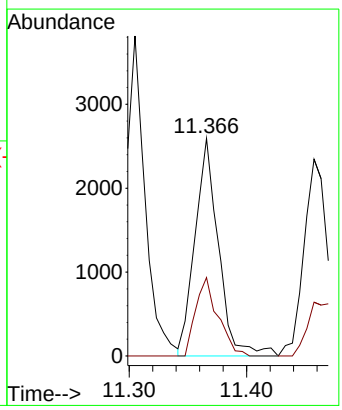
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

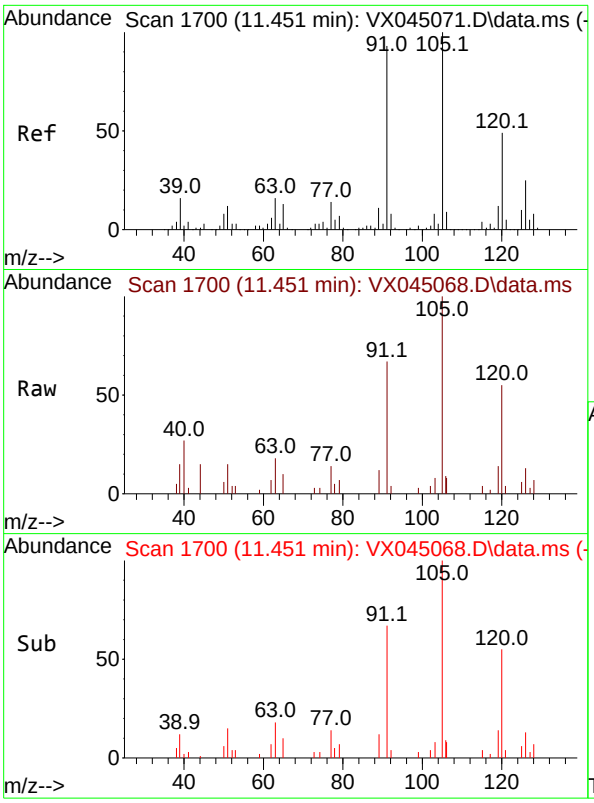


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

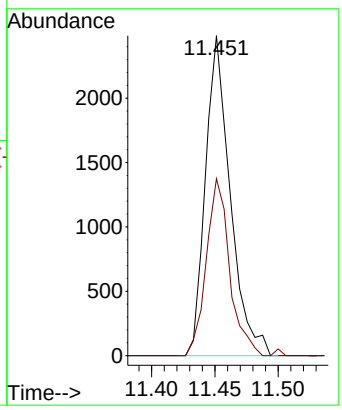




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

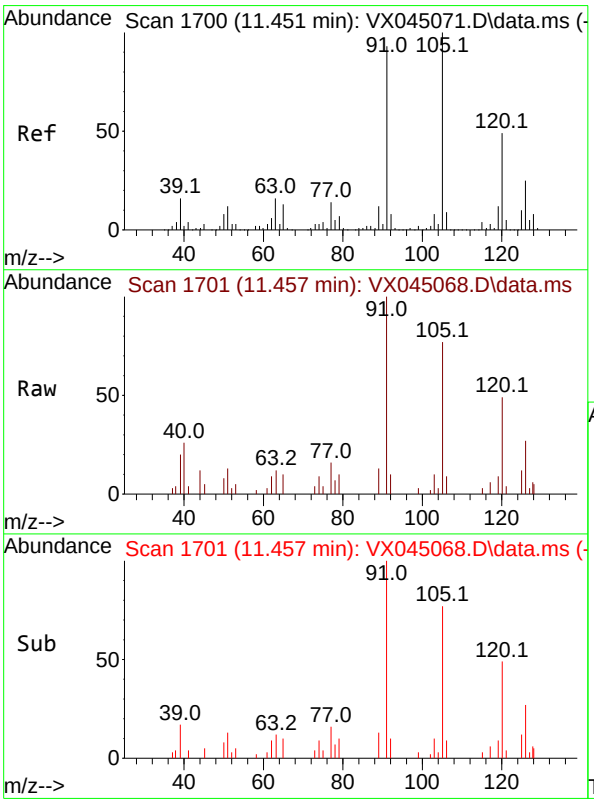
Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

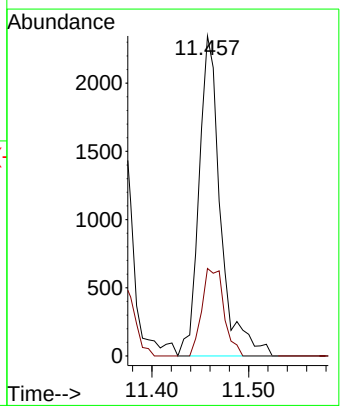
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

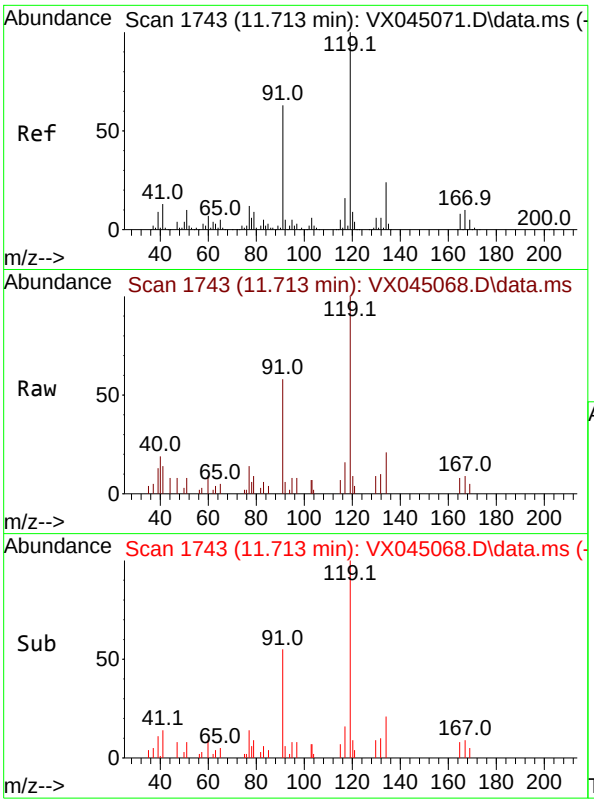


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

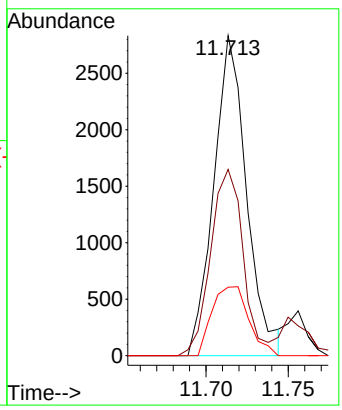




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

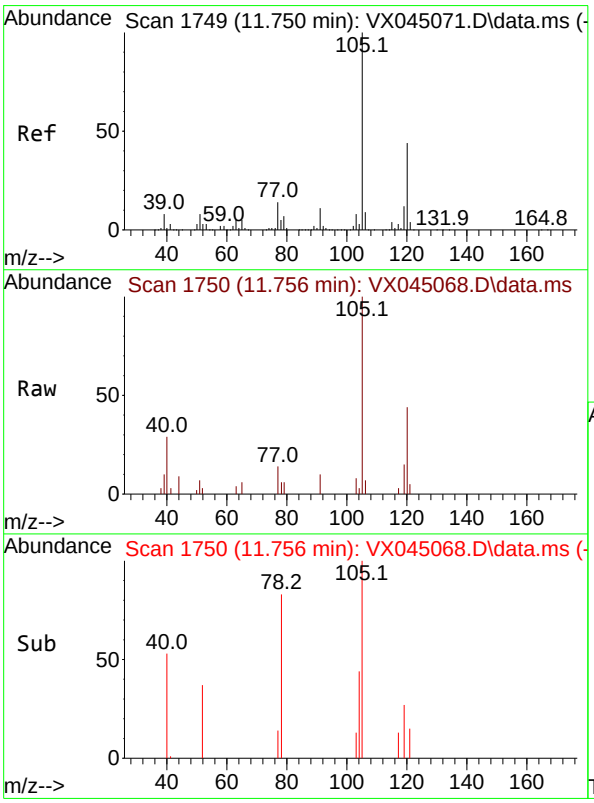
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

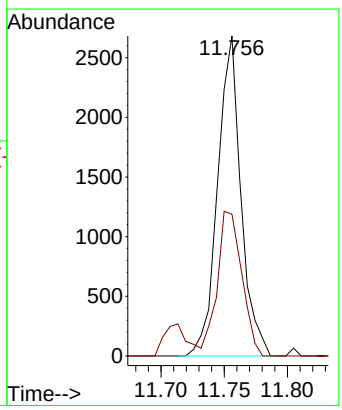
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

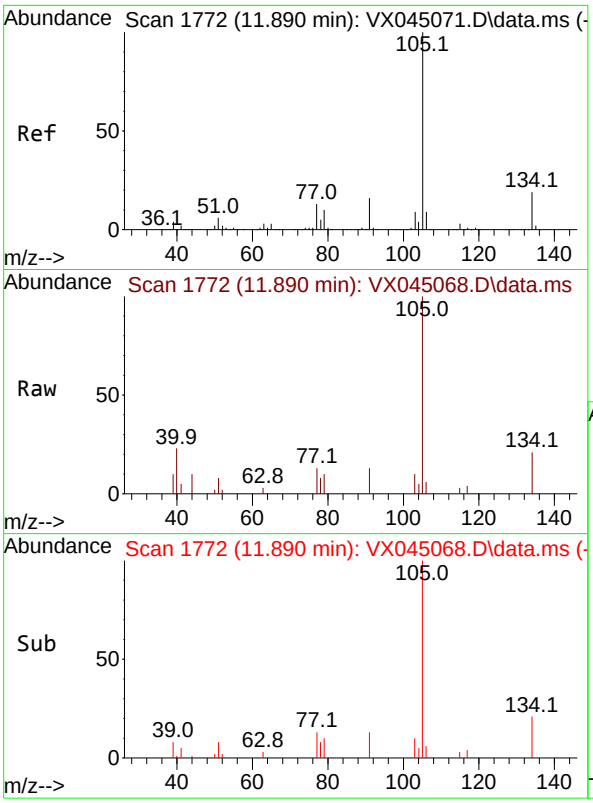


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1

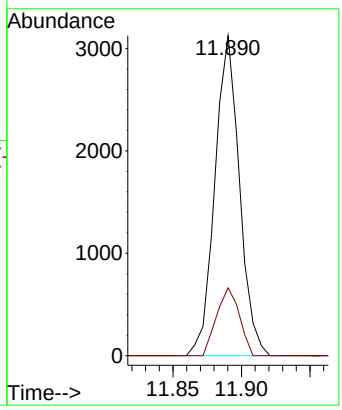




#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 389

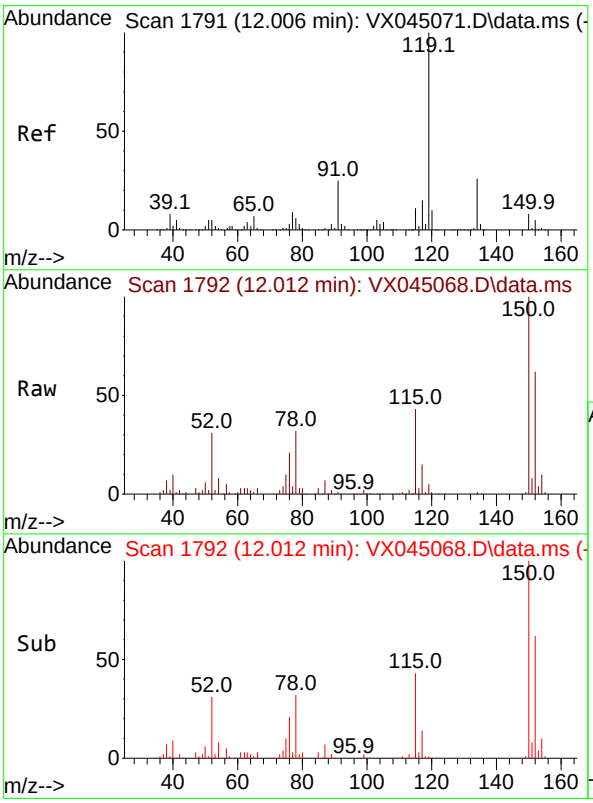
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

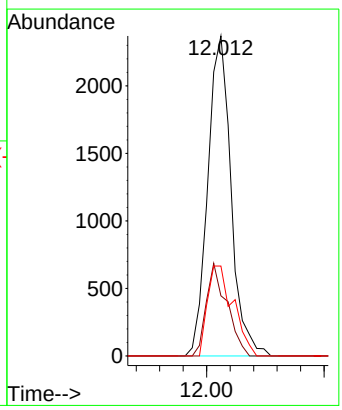
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

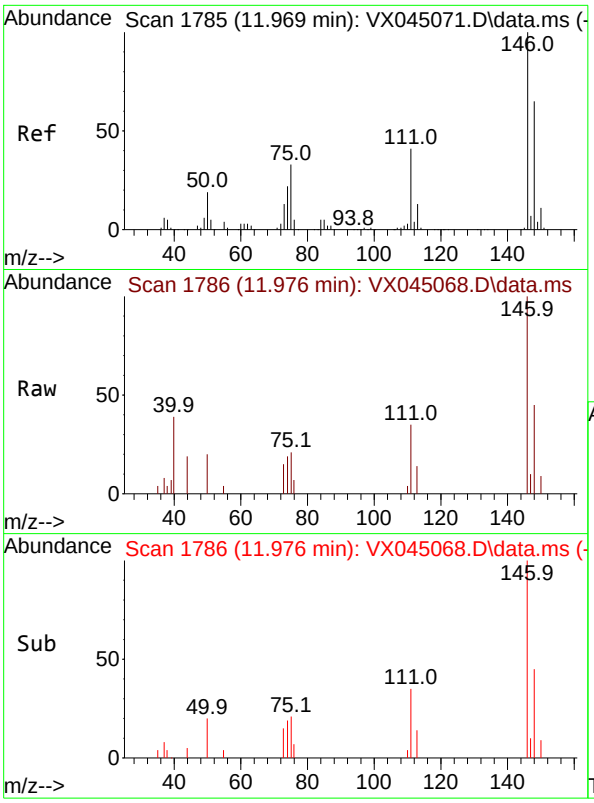


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0

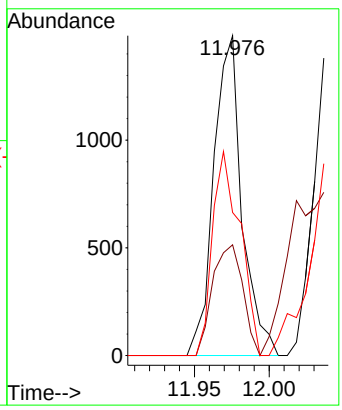




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

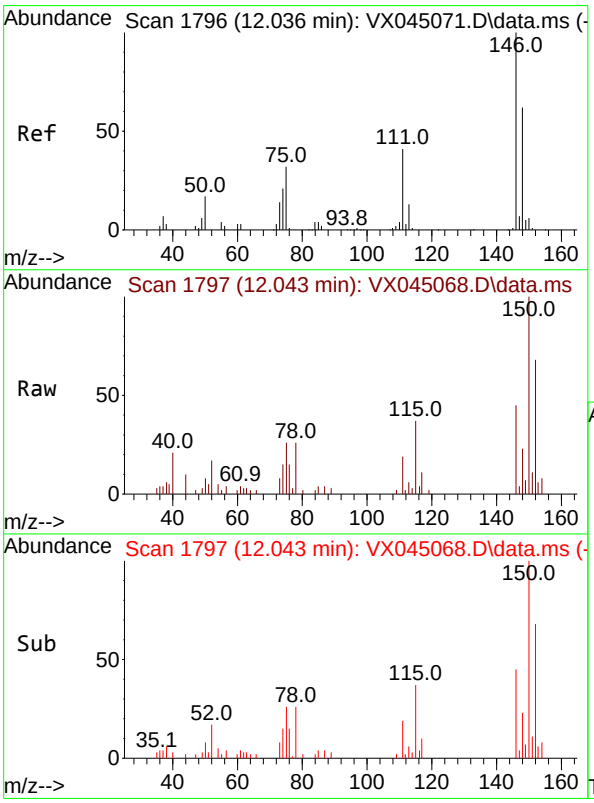
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

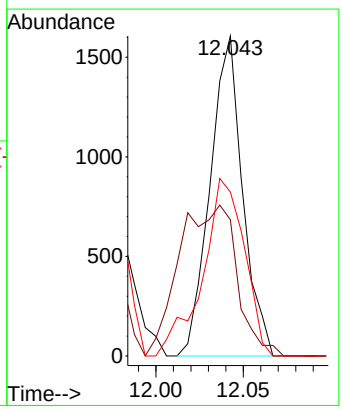
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

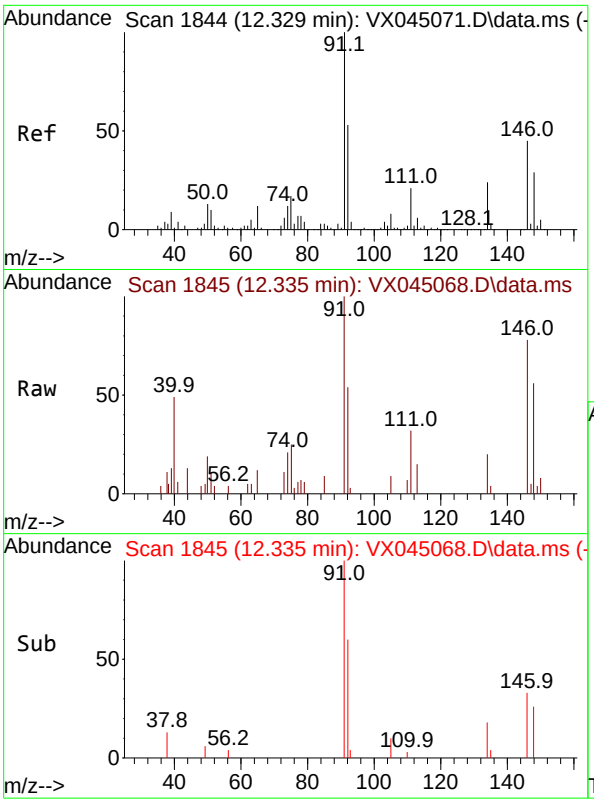


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 2082

Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.2	60.5
148	58.4	31.9	95.9

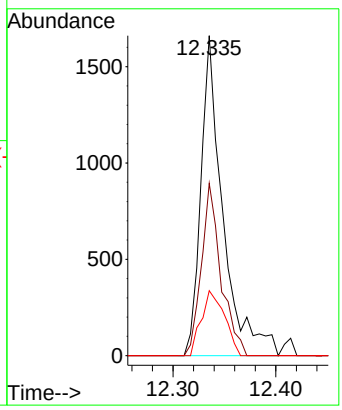




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

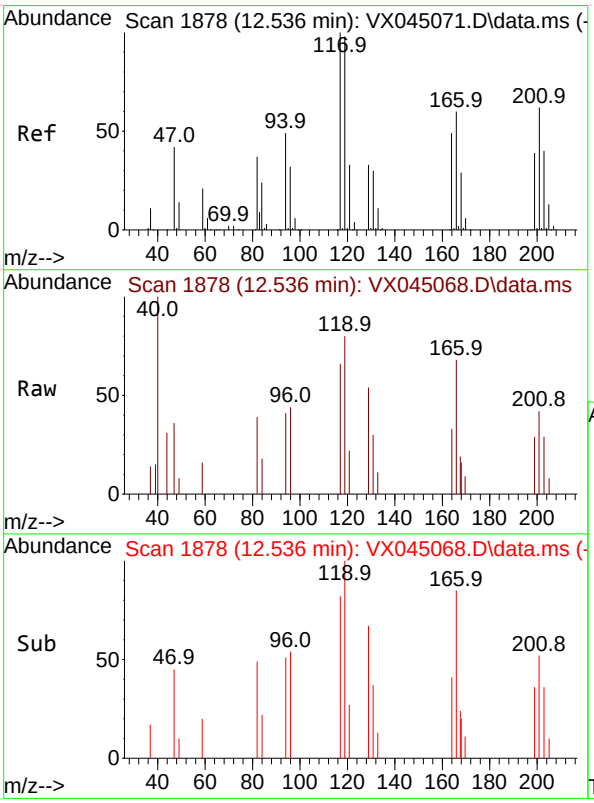
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

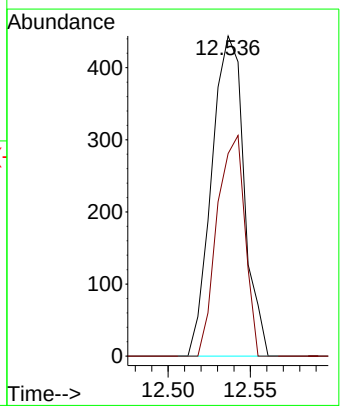
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

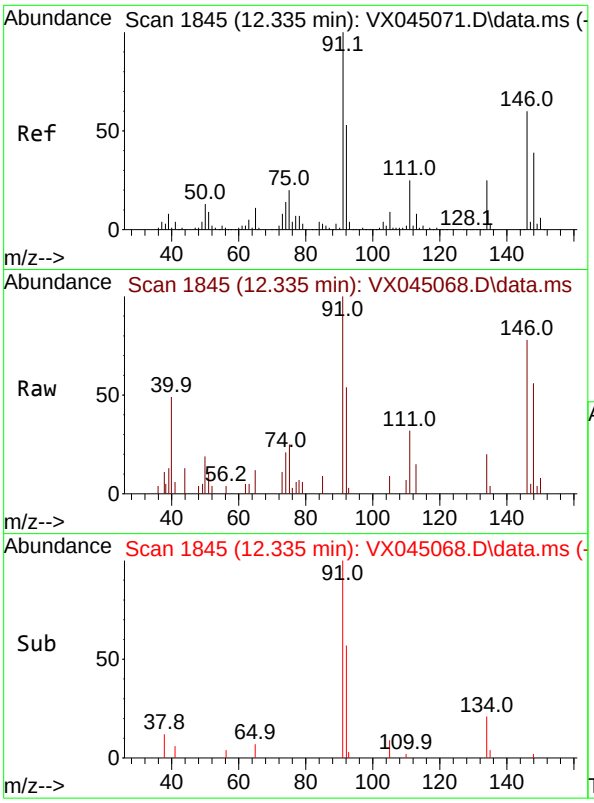


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

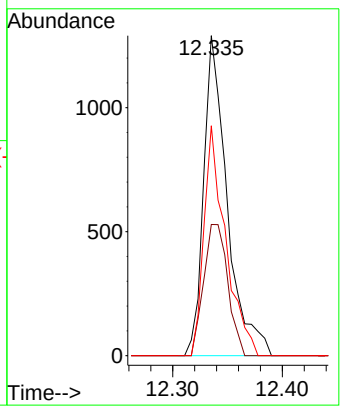




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

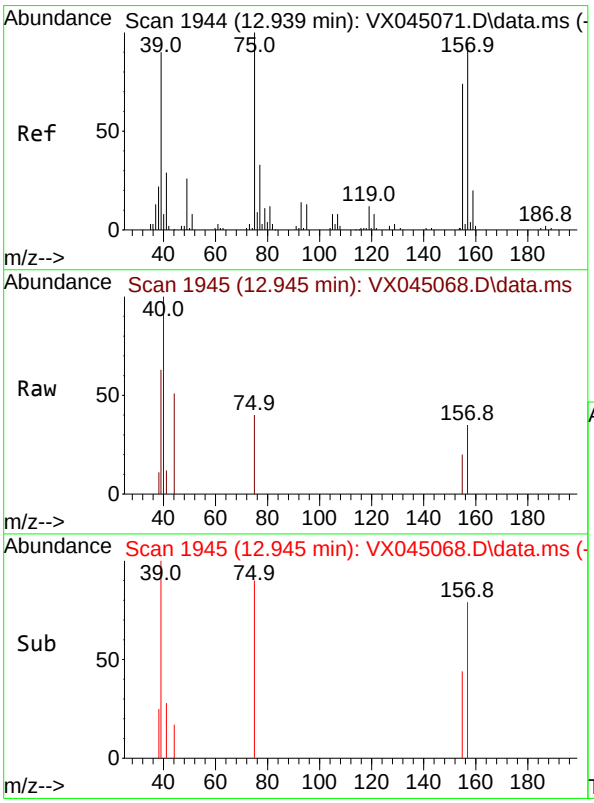
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

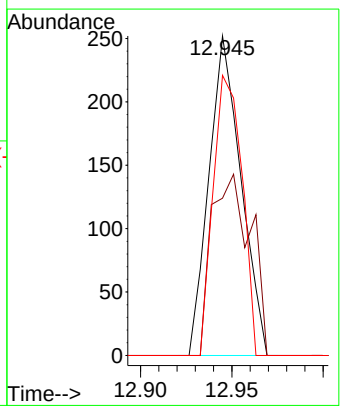
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

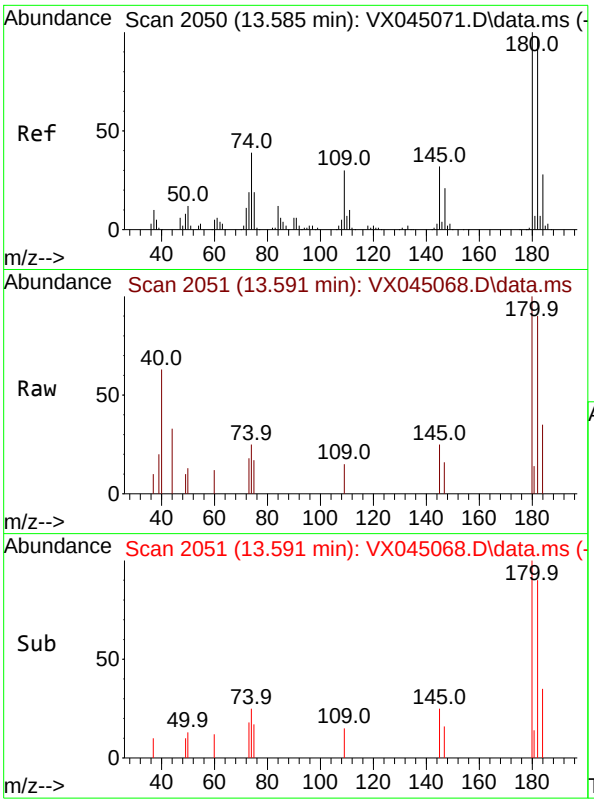


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4

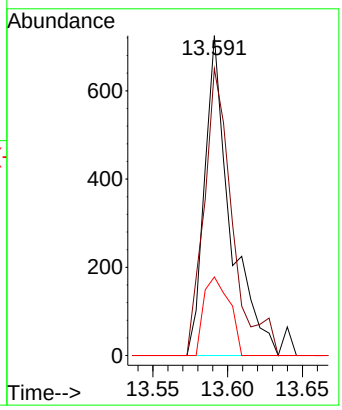




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

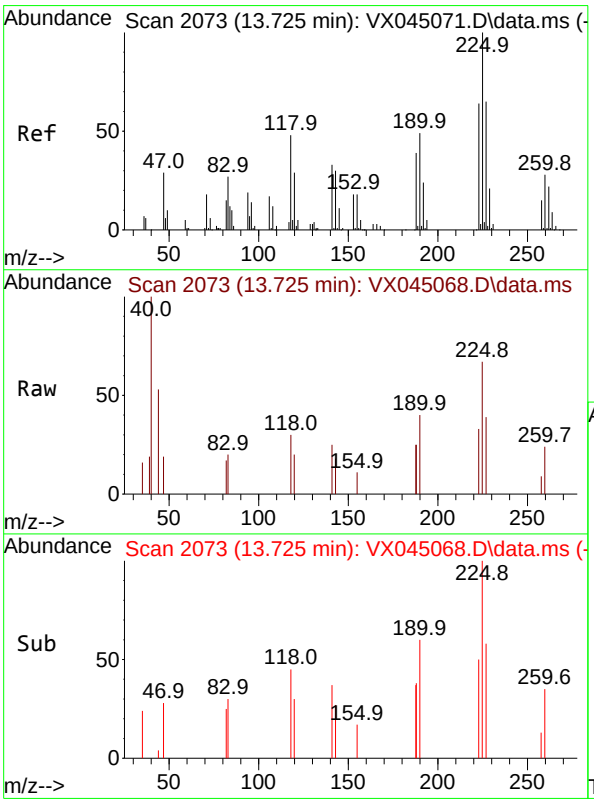
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

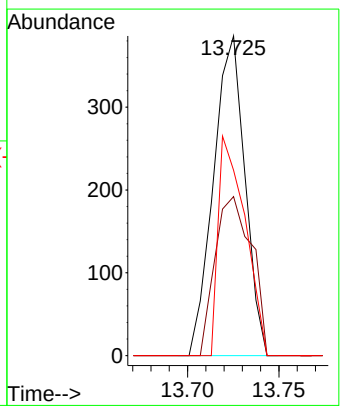
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

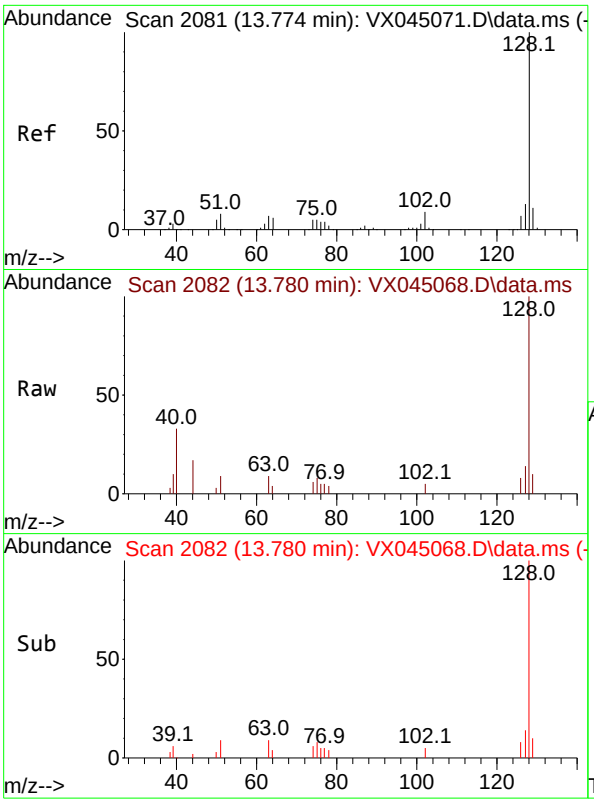


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0

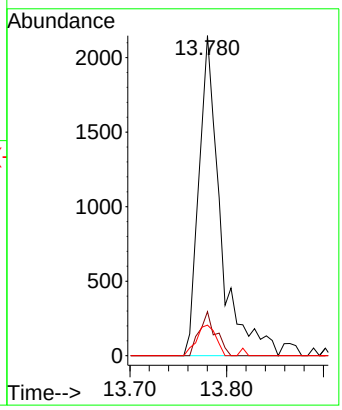




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

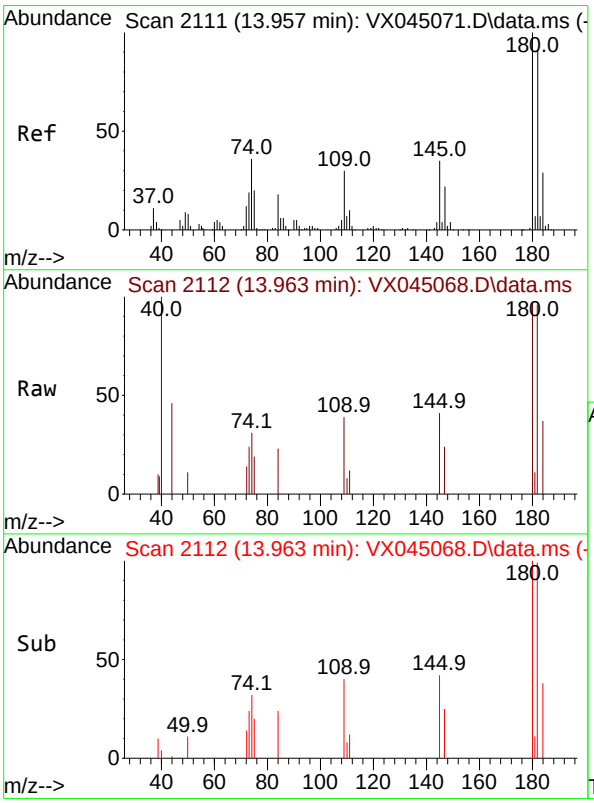
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

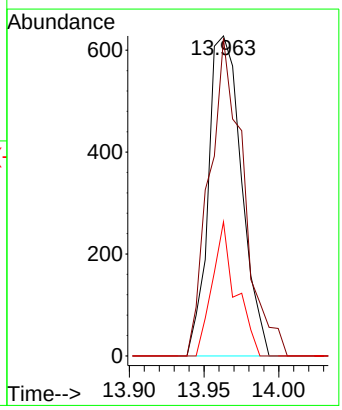
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.080%#				
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.120%#				
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.360%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l		
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l		99
44) Trichloroethene	7.129	130	6827	5.234	ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l		95
46) Dibromomethane	7.586	93	5146	5.195	ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l		99
52) Toluene	8.720	92	16933	4.997	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l		97
69) o-Xylene	10.640	106	11881	4.914	ug/l		95
70) Styrene	10.659	104	18278	4.704	ug/l		99
71) Bromoform	10.799	173	4027	4.541	ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l		
77) Bromobenzene	11.195	156	6970	5.163	ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l		97
95) Naphthalene	13.780	128	22927	4.287	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

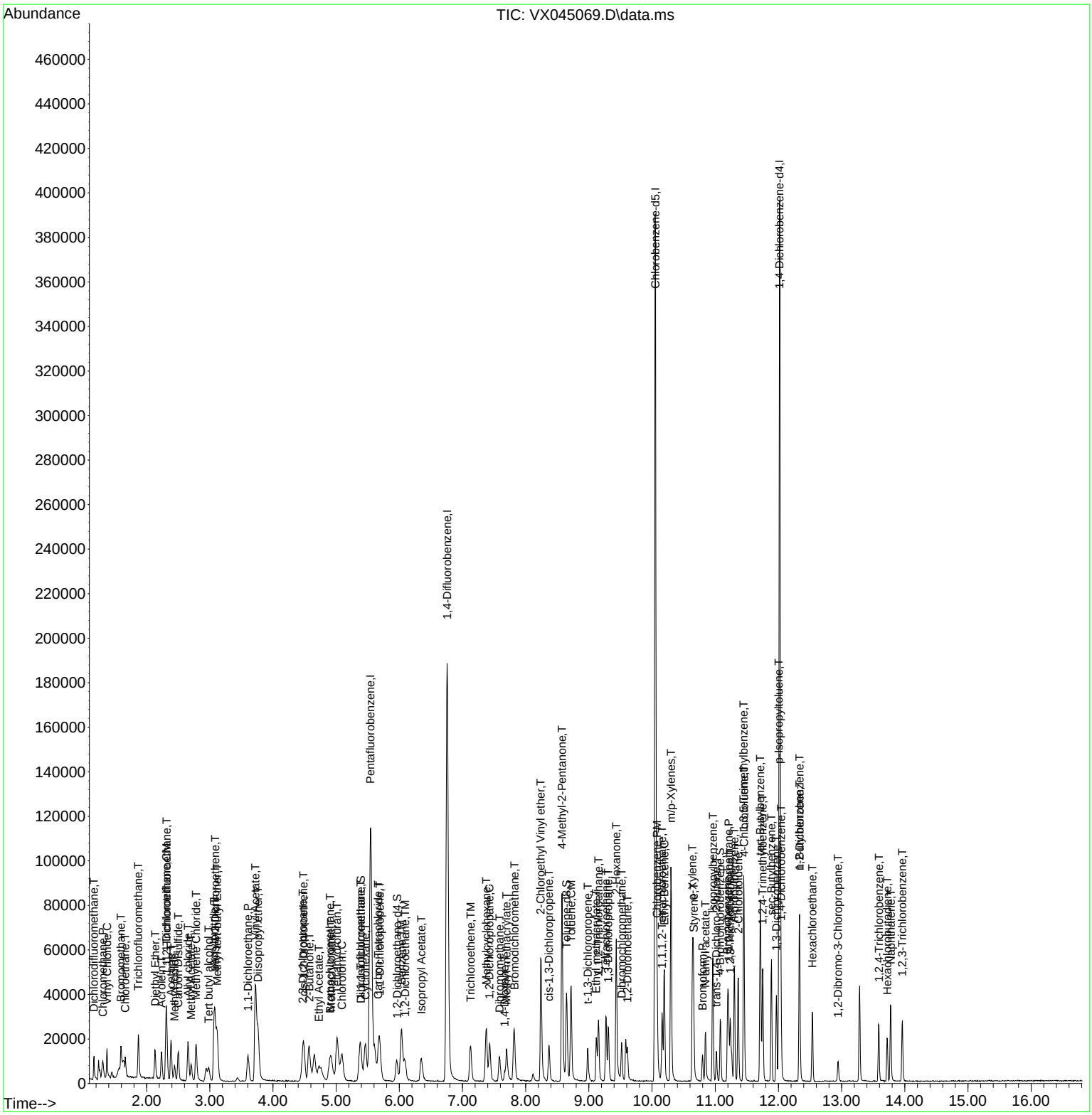
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

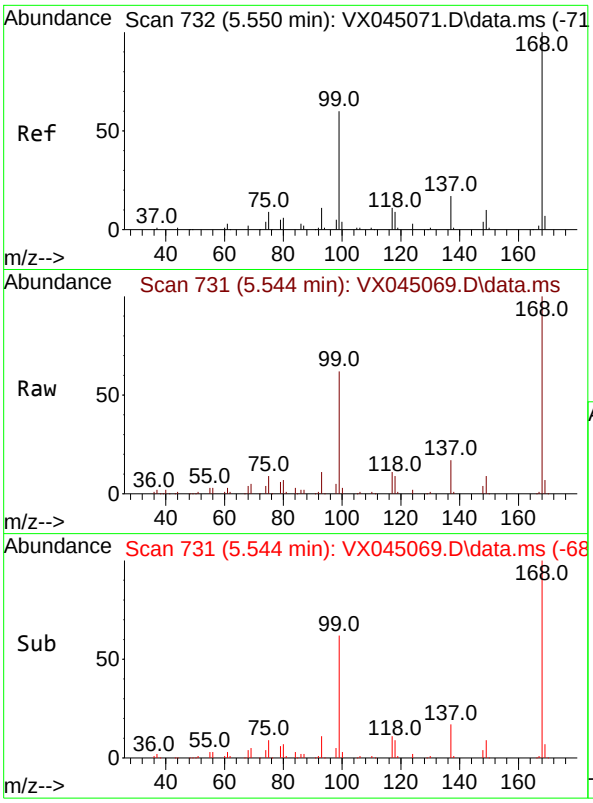
Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

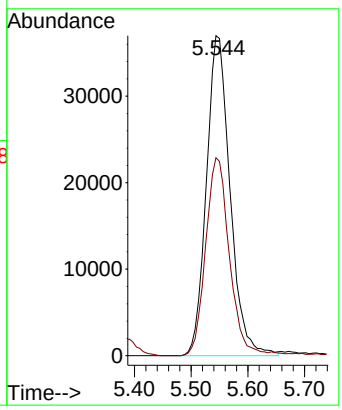




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

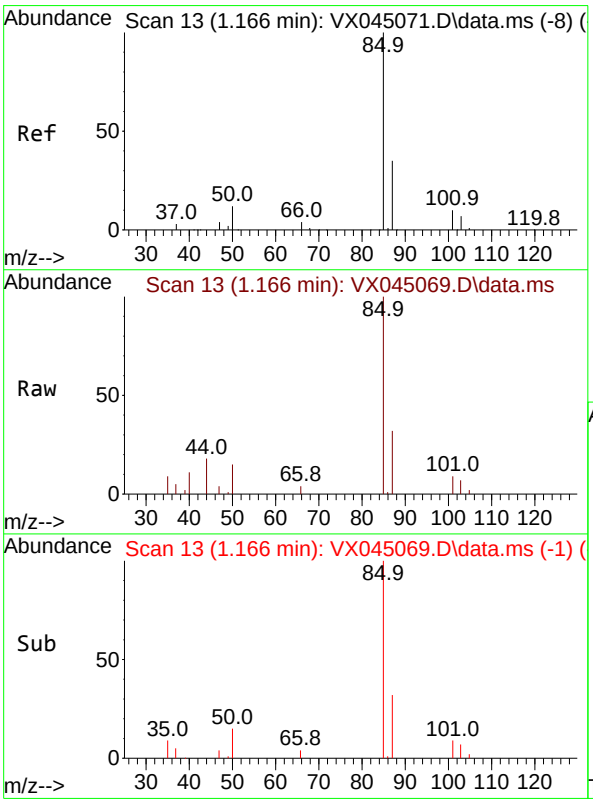
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

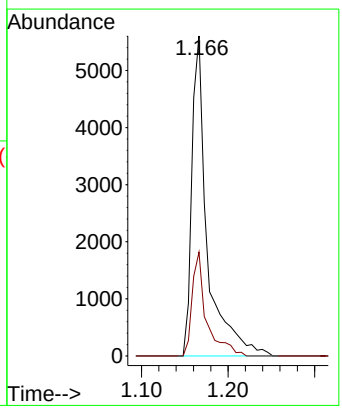
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

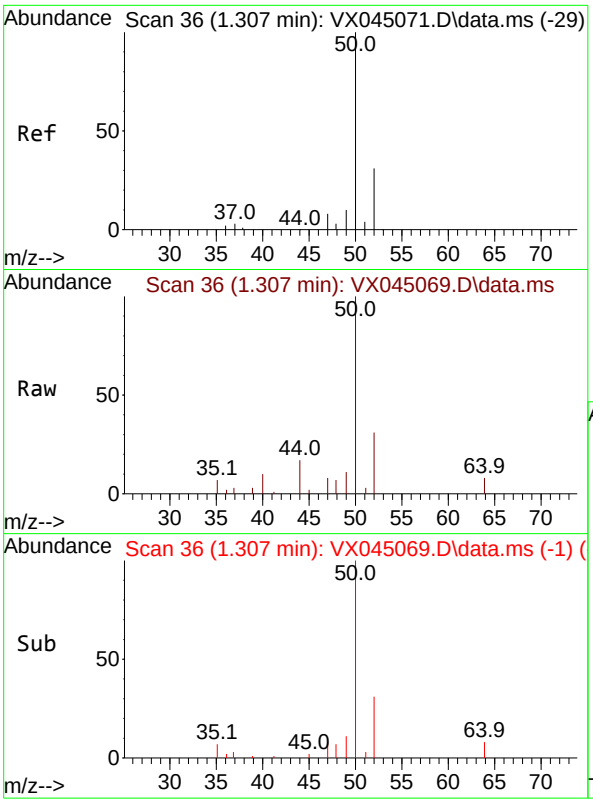


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

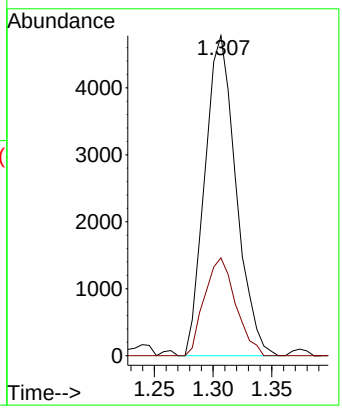




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

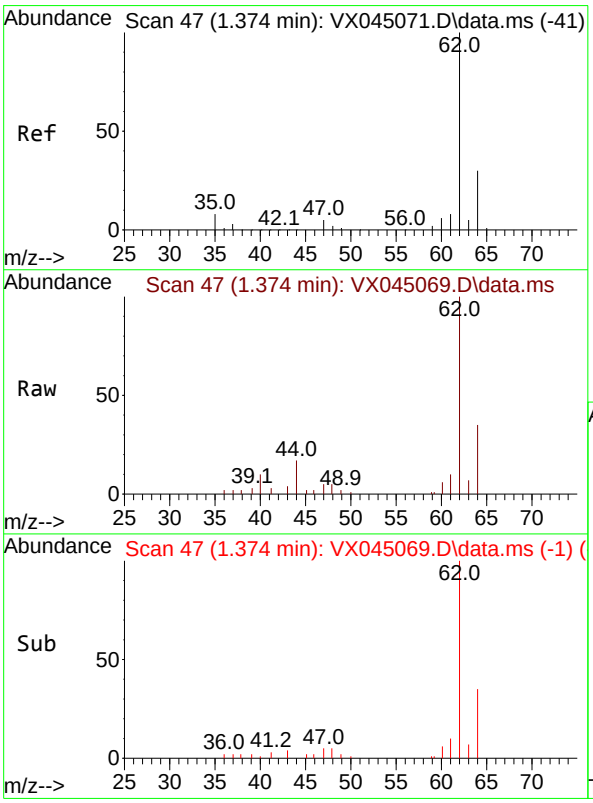
Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

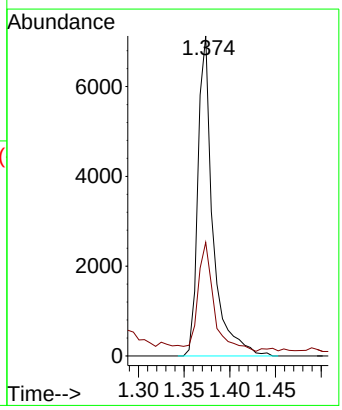
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

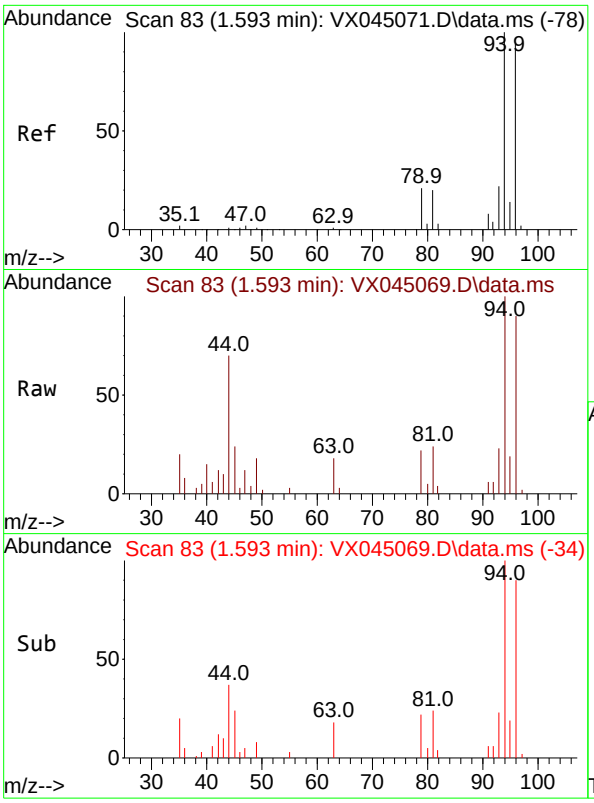


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

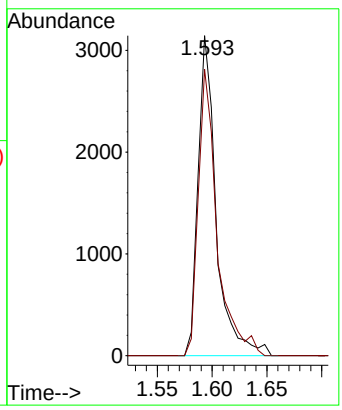




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

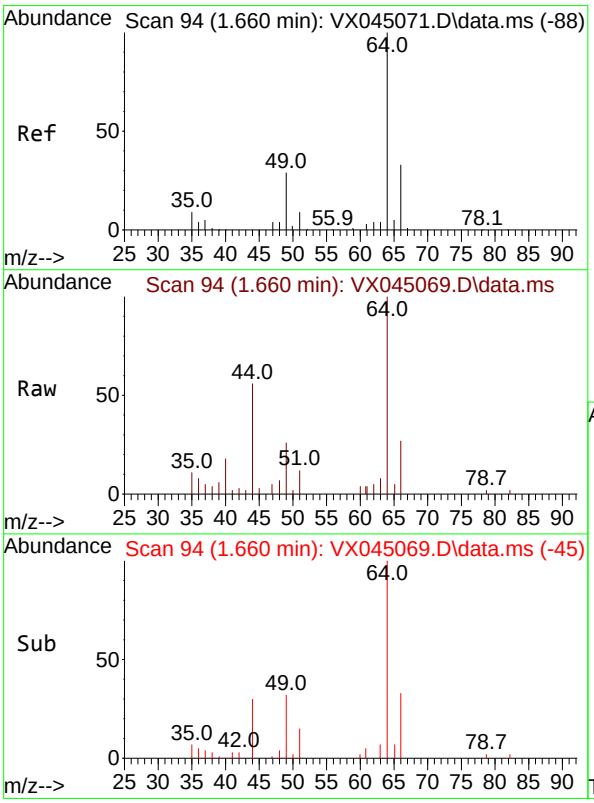
Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

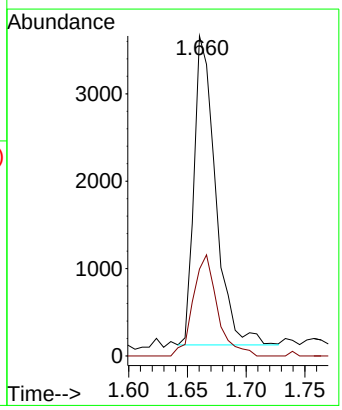
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

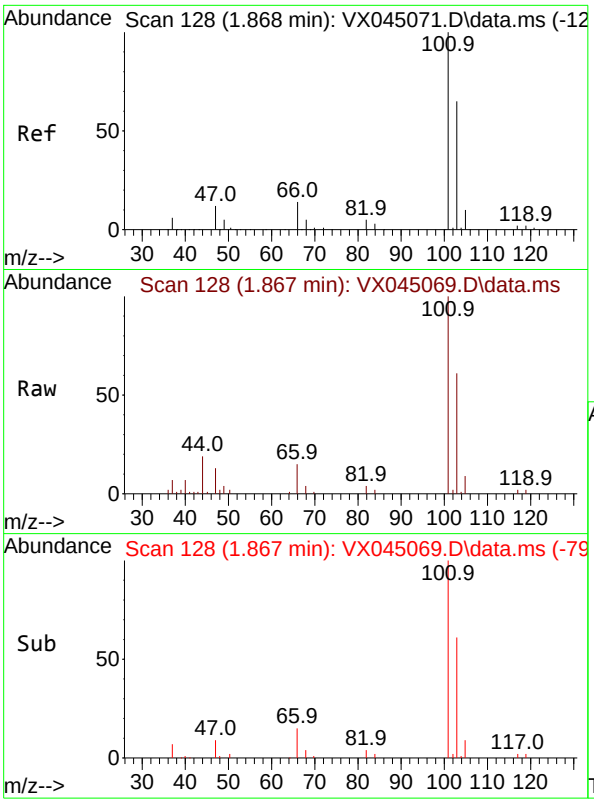


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

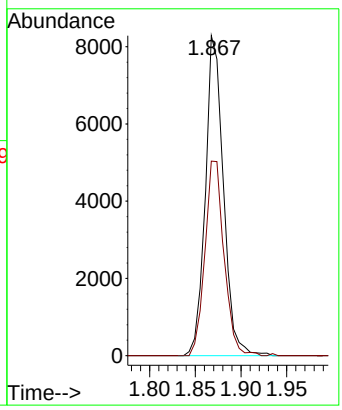




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

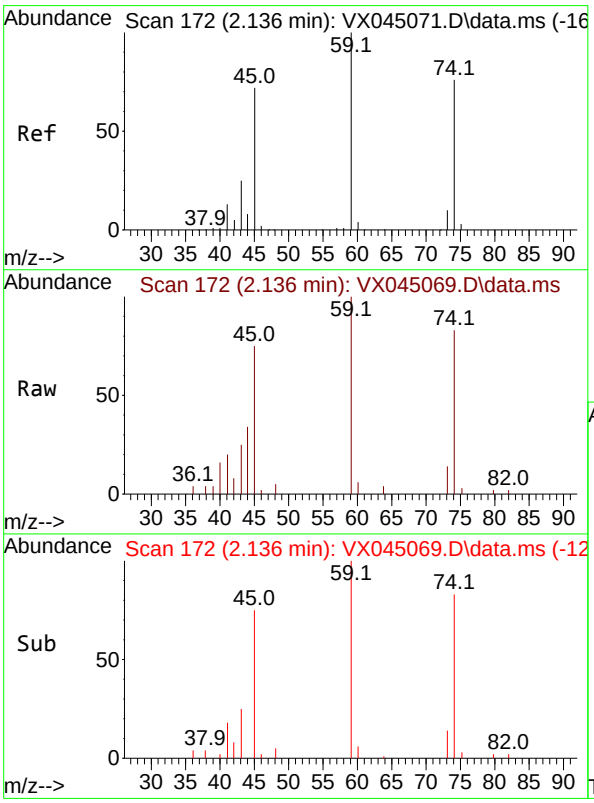
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

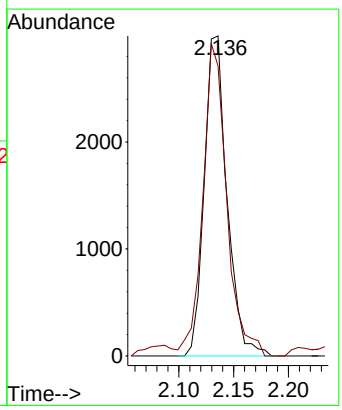
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

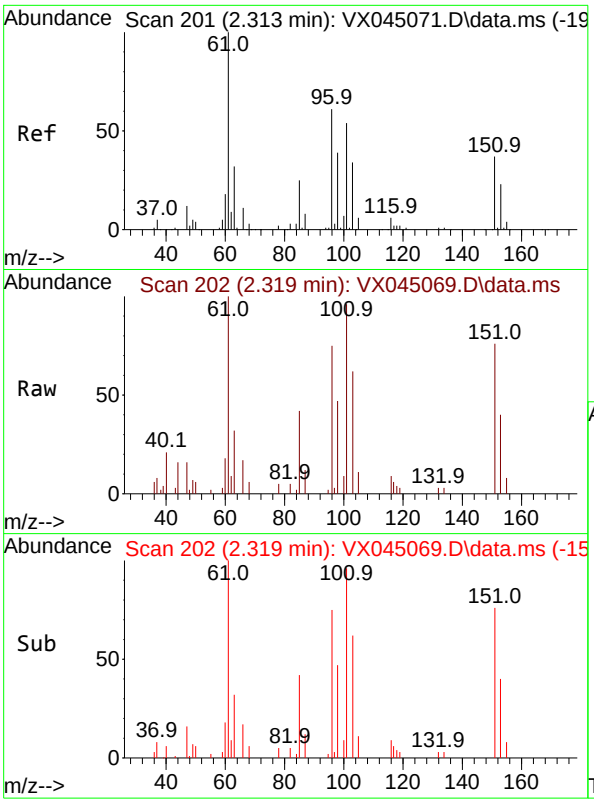


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5

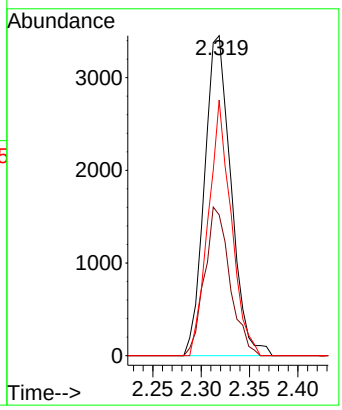




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 658

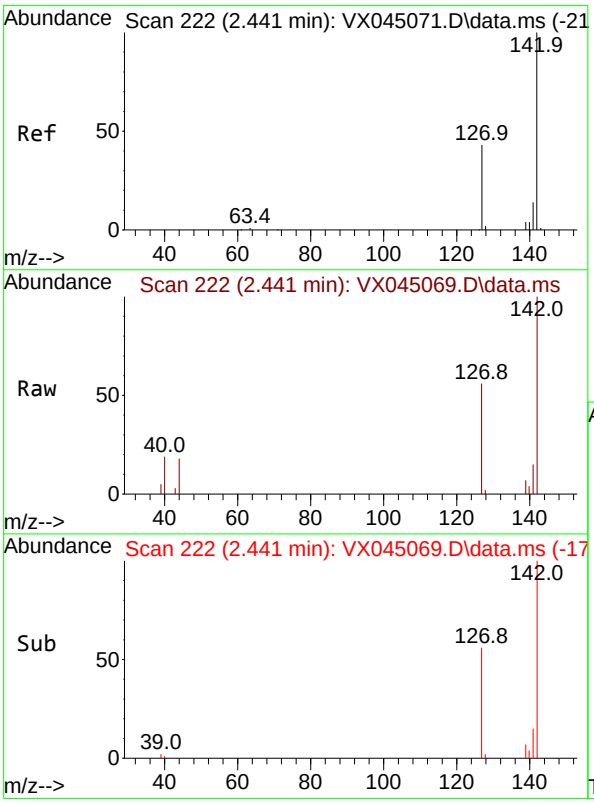
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

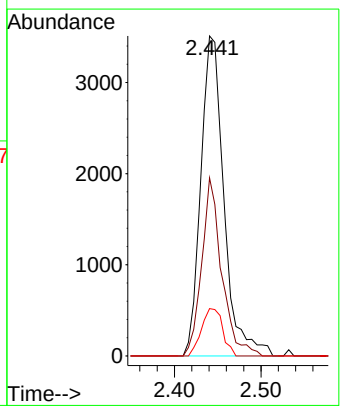
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

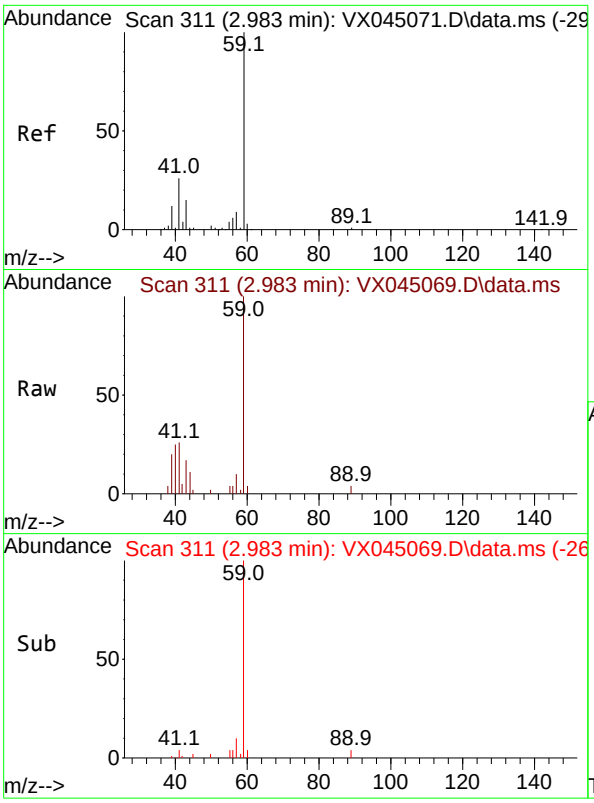


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 34.976 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

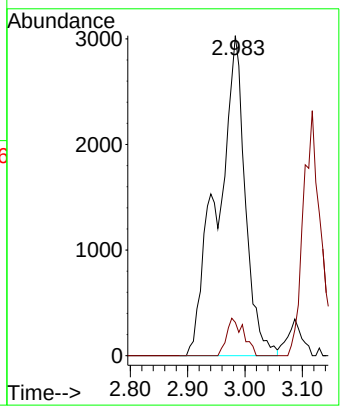
Tgt Ion: 59 Resp: 1016

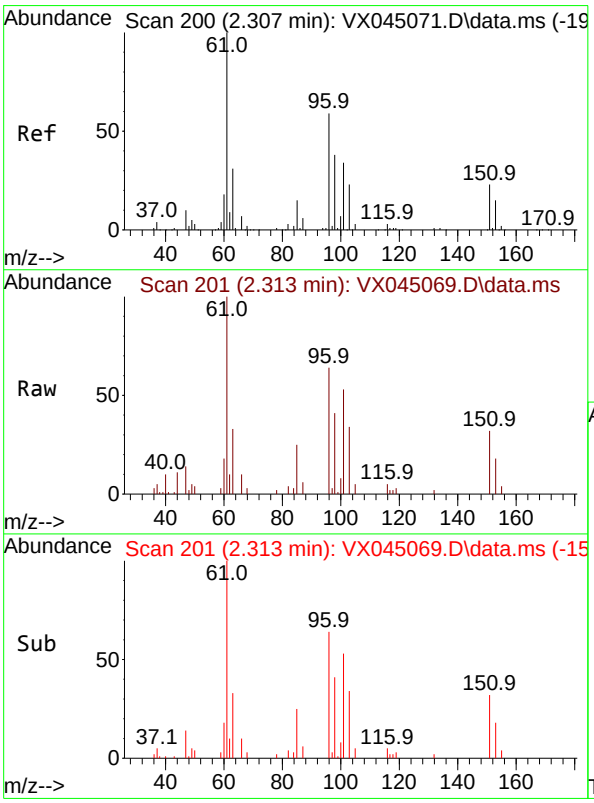
Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

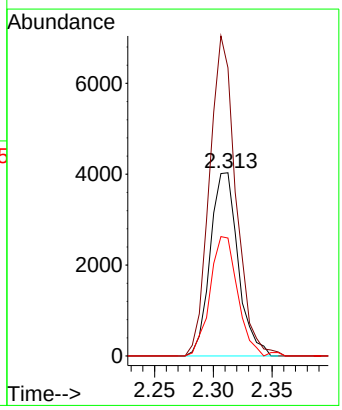


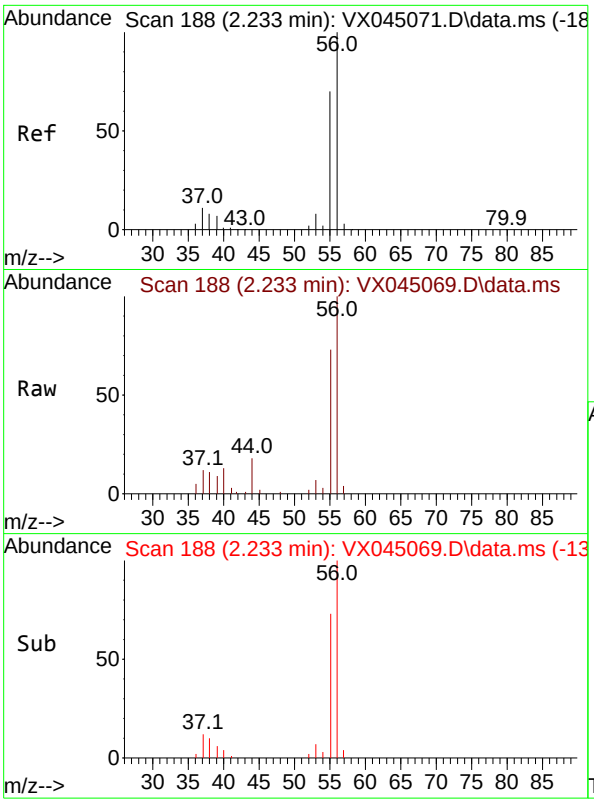


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6

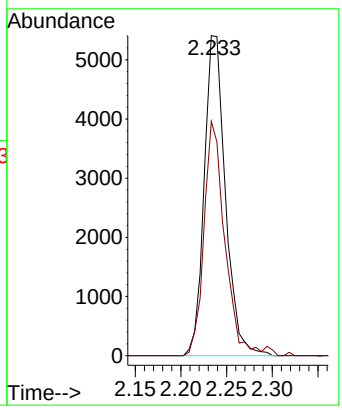




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 872

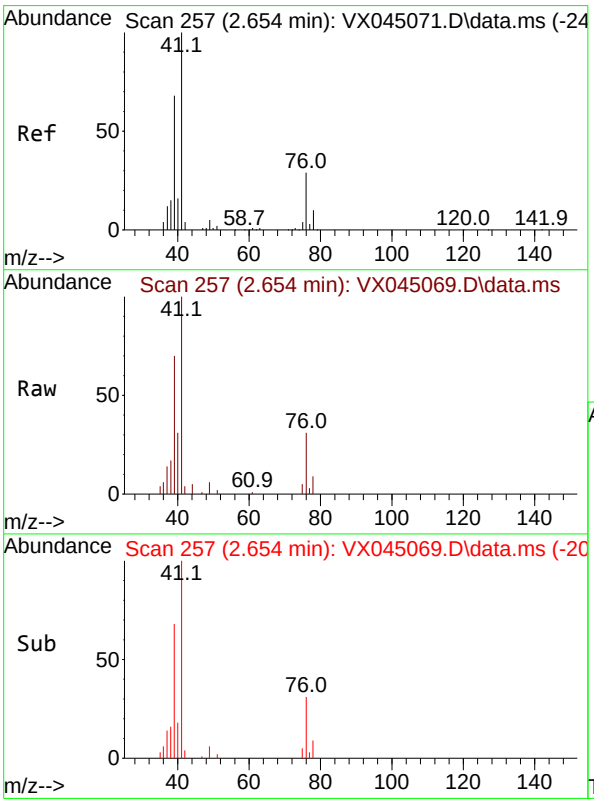
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

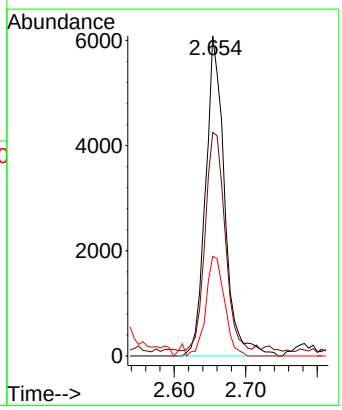
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

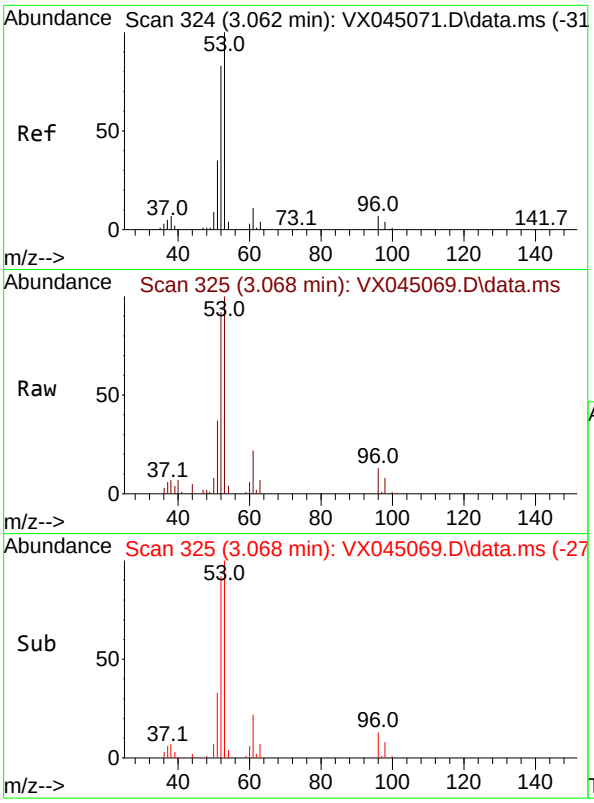


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8

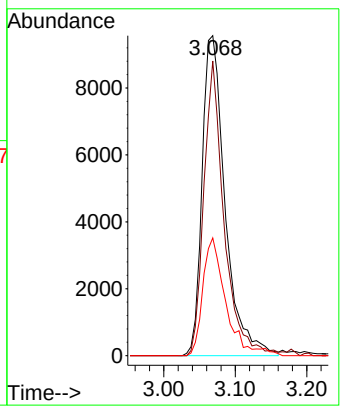




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

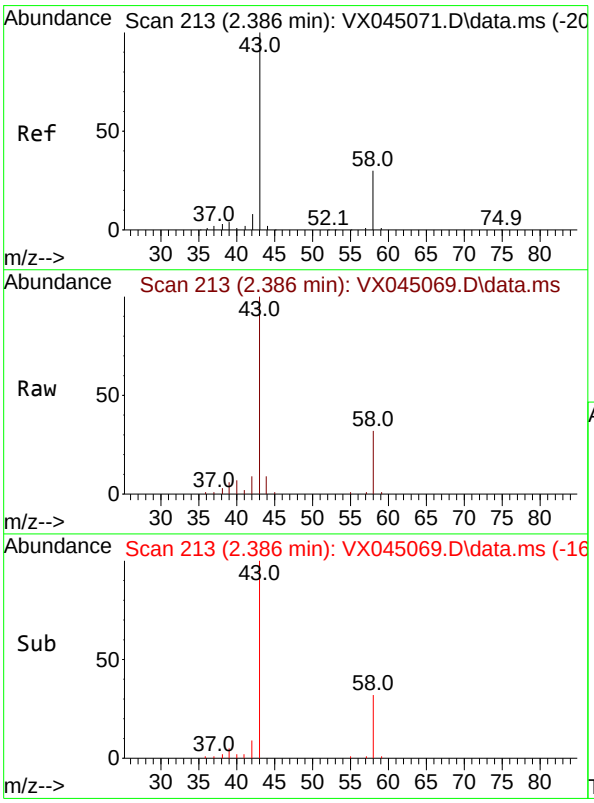
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

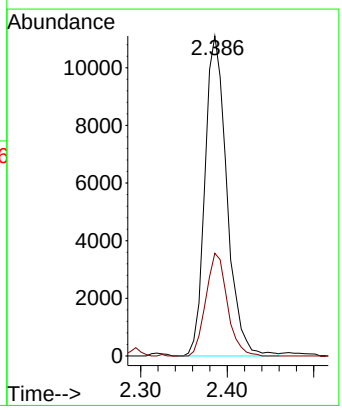
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

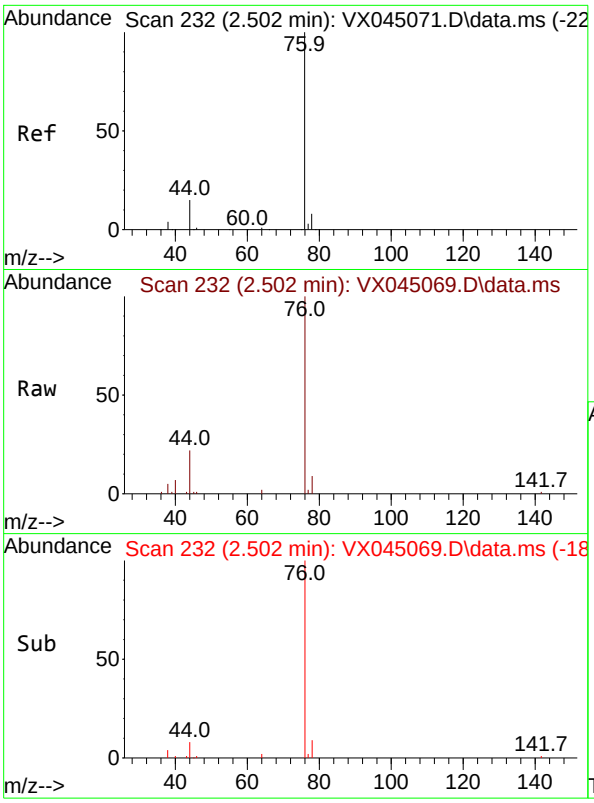


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

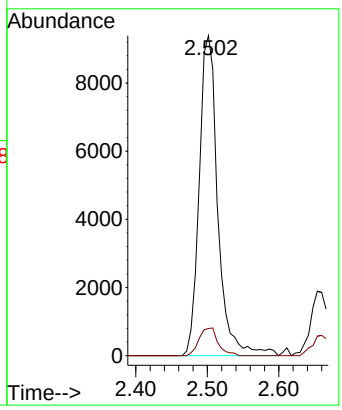
Tgt Ion: 76 Resp: 1698

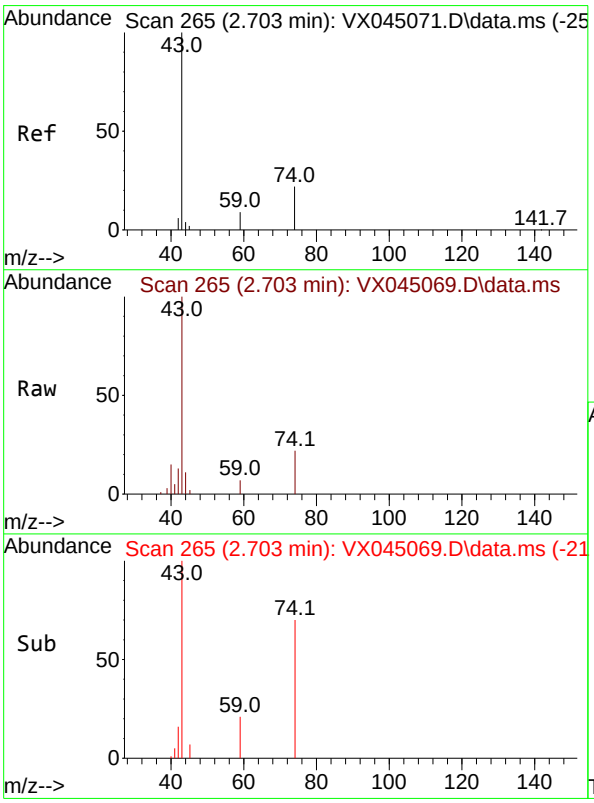
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

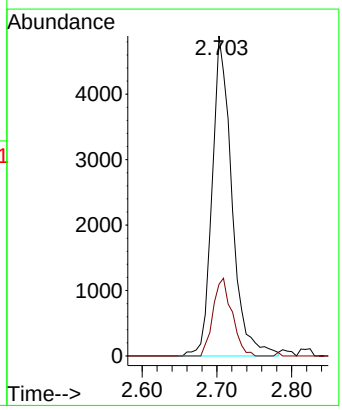


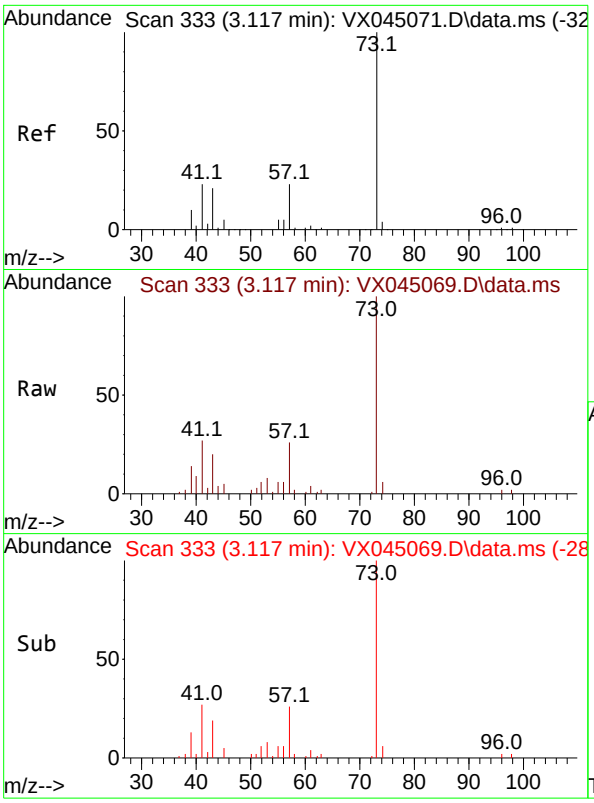


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

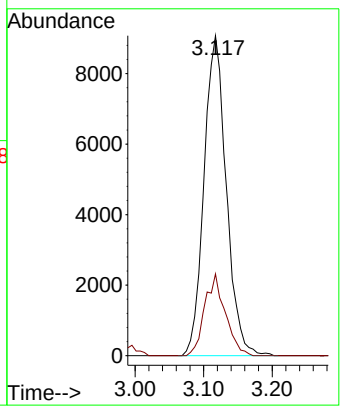
Tgt Ion: 73 Resp: 2054

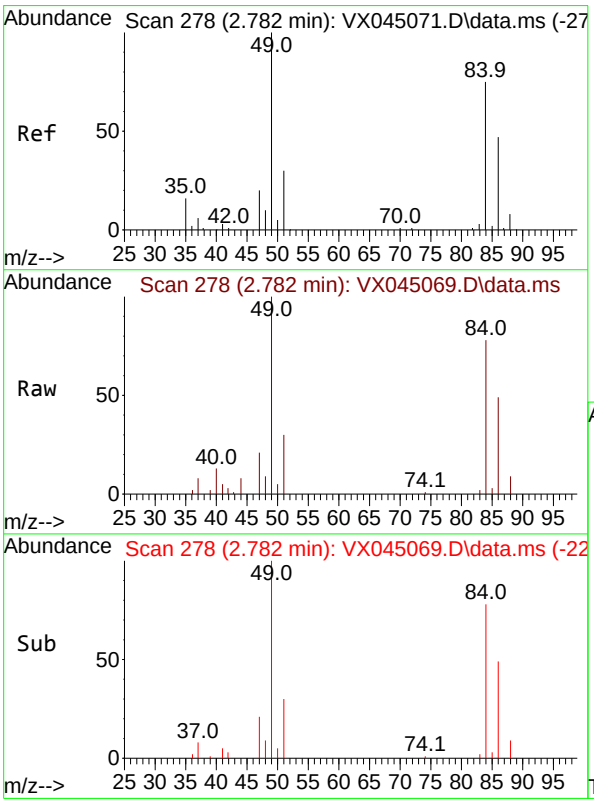
Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

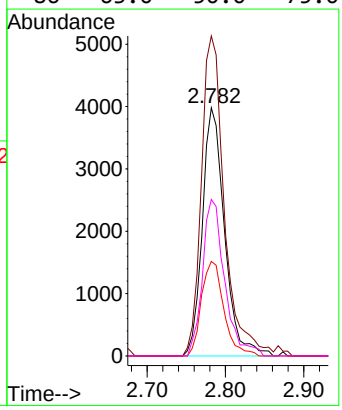


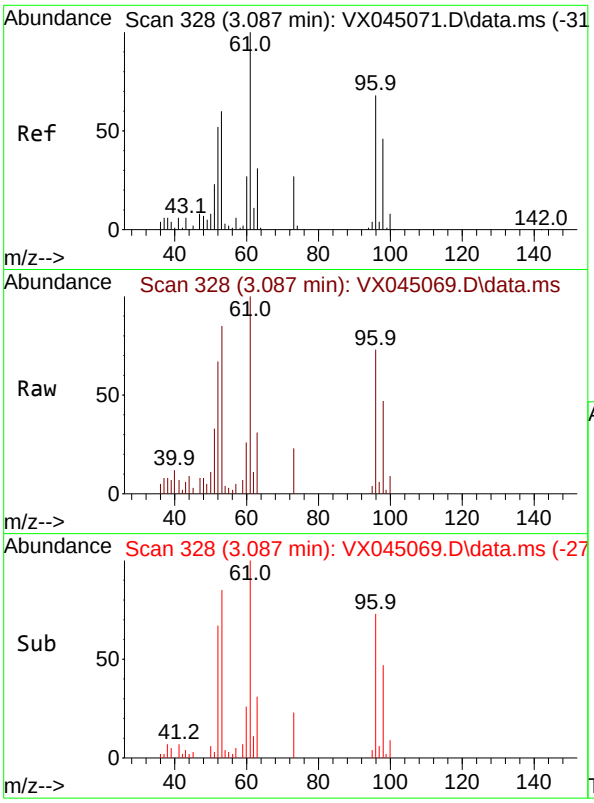


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0

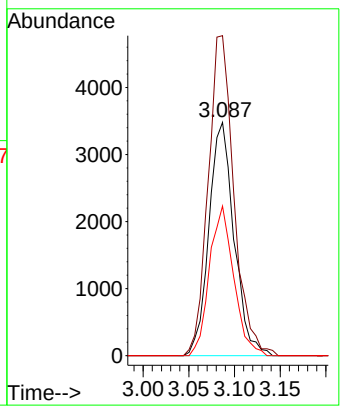




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 665

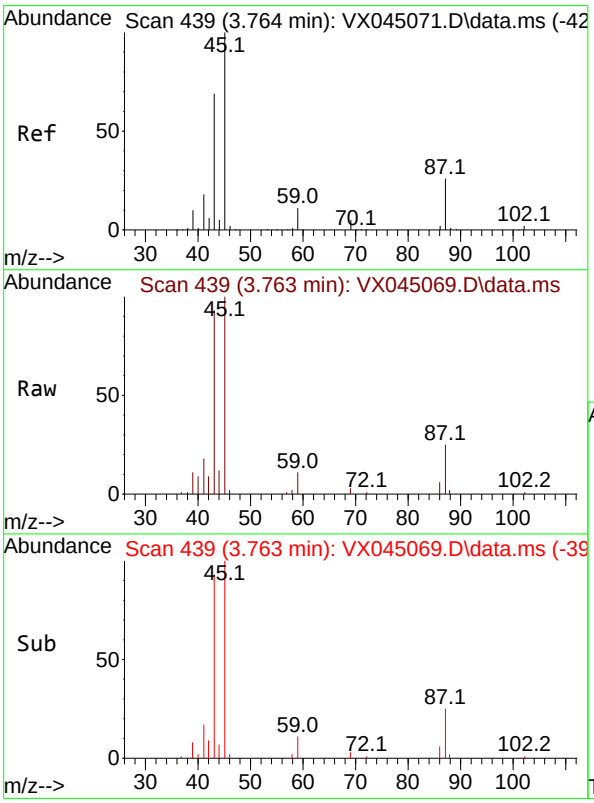
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

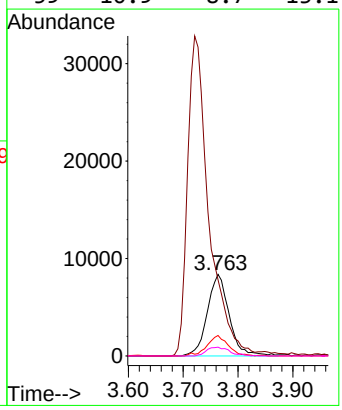
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

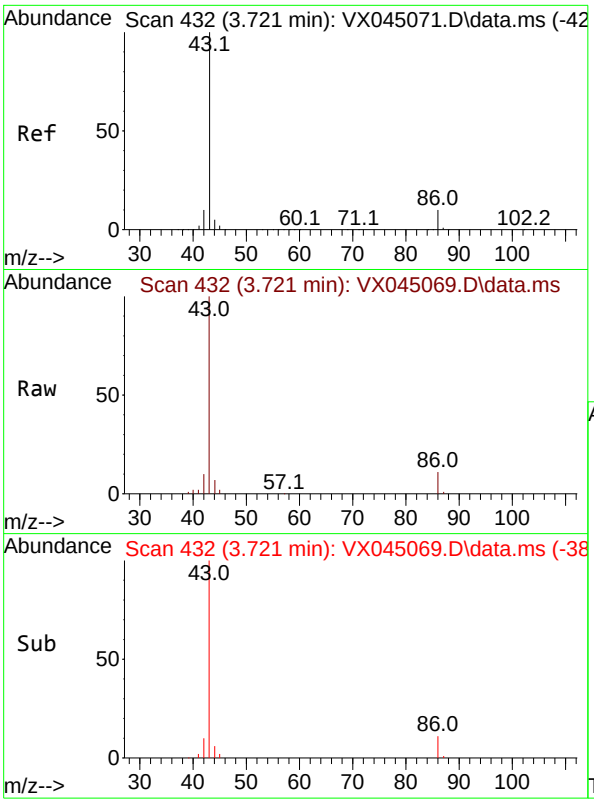


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

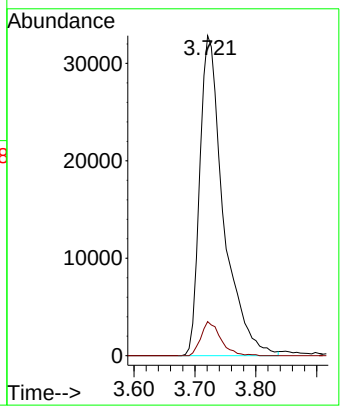
Tgt Ion: 43 Resp: 8885

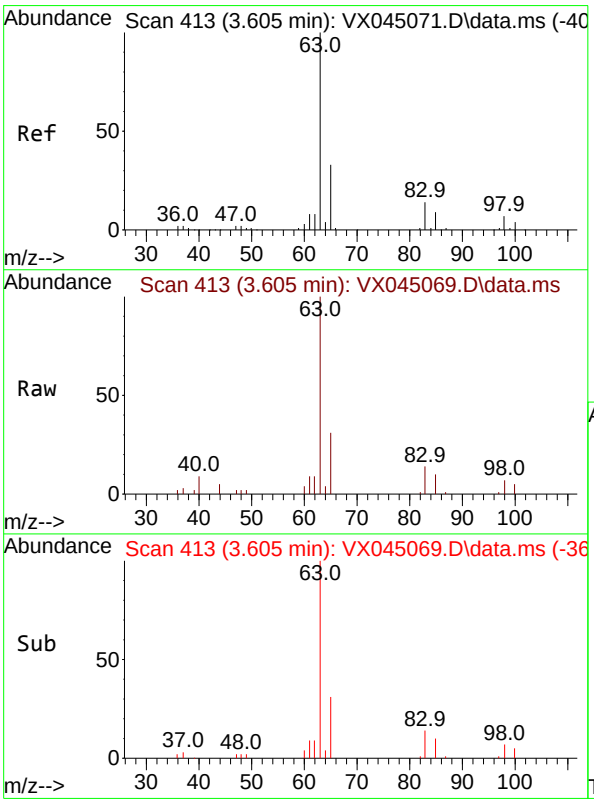
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

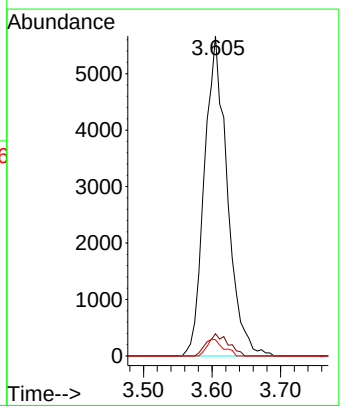


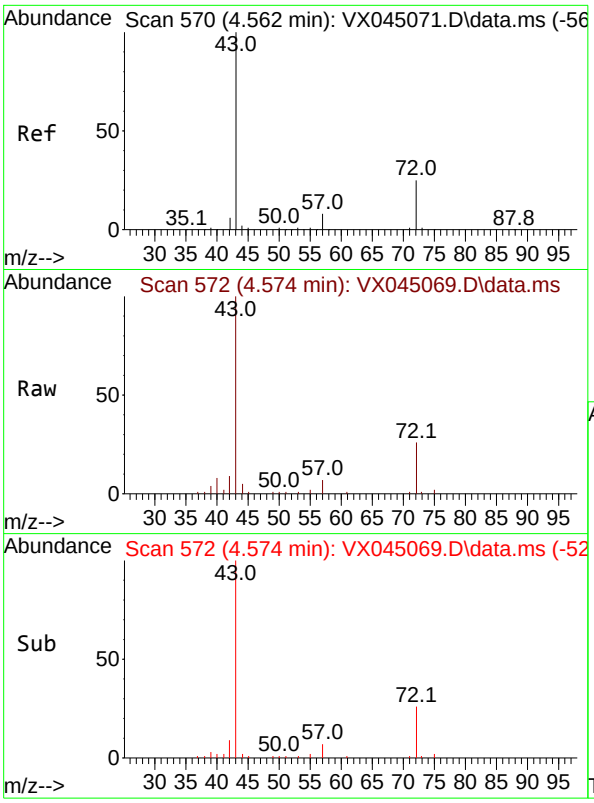


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5





#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

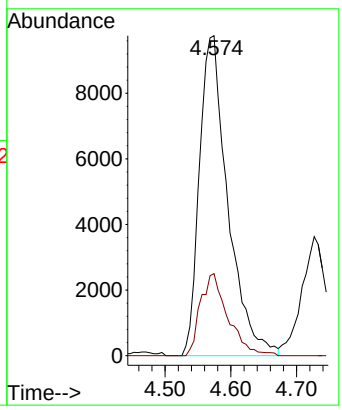
Tgt Ion: 43 Resp: 2927

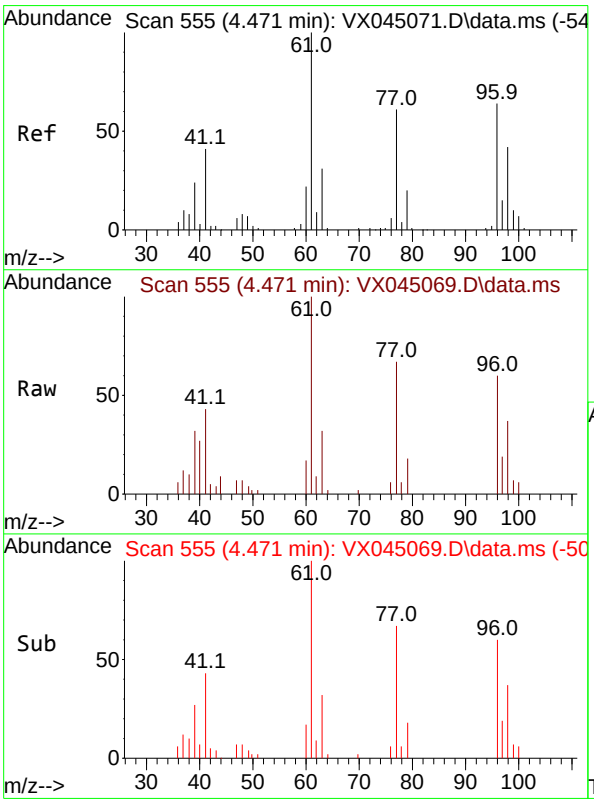
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

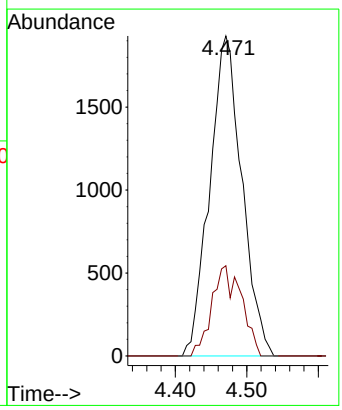


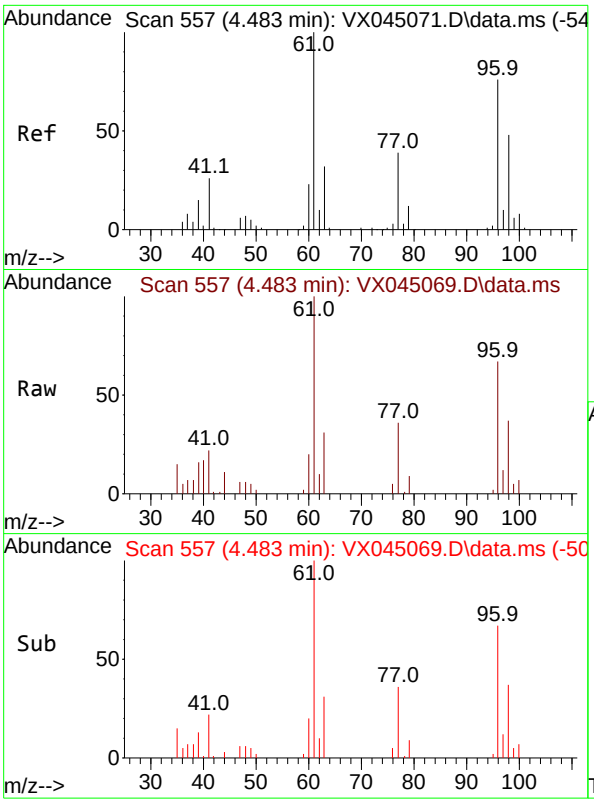


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0

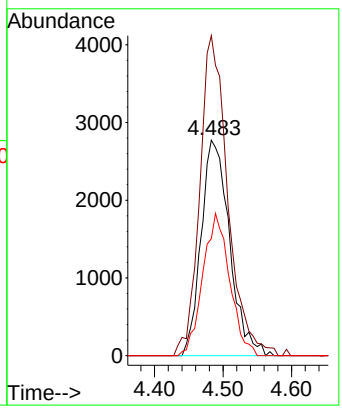




#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 801

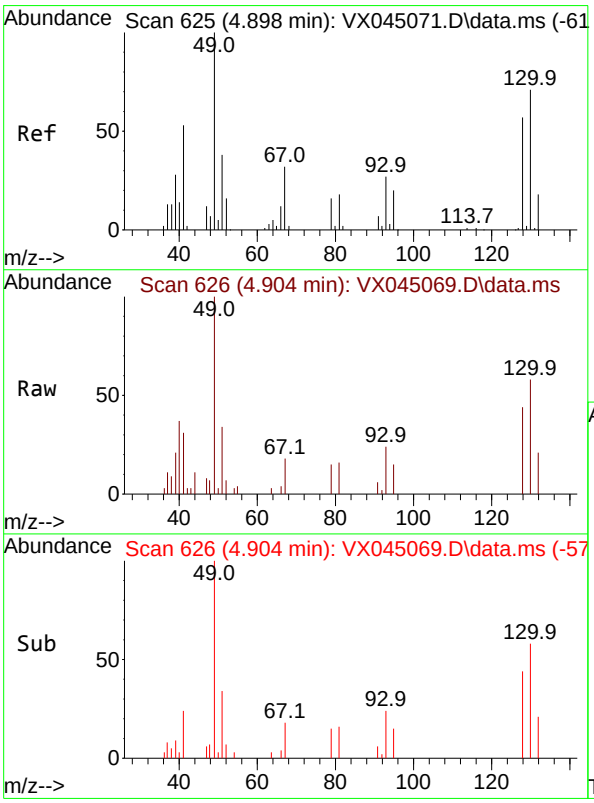
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

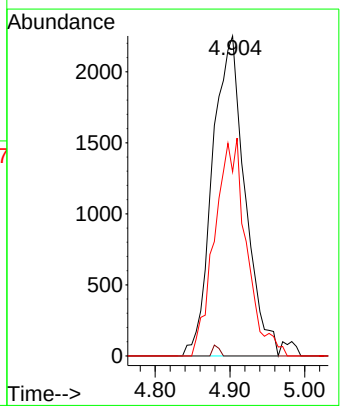
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

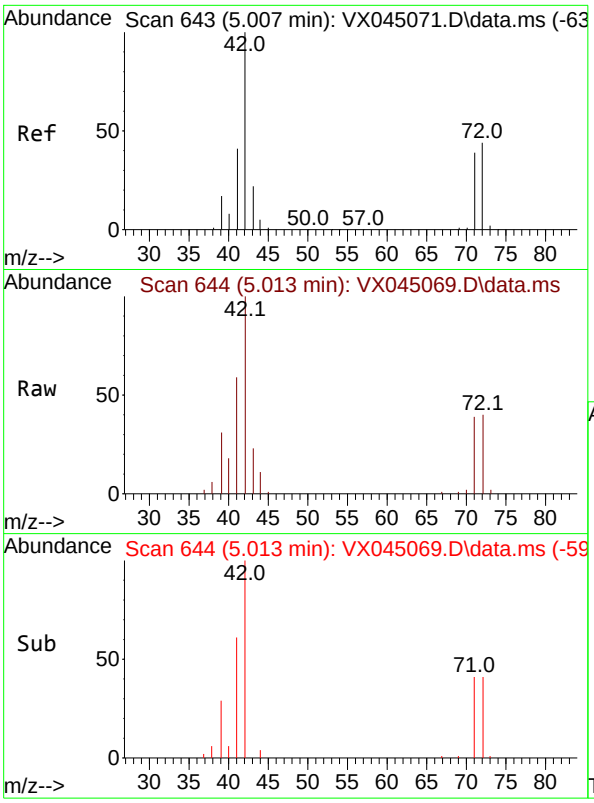


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1

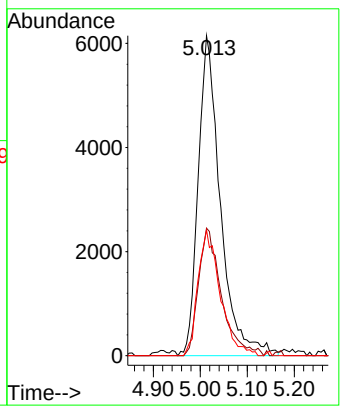




#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 42 Resp: 2018

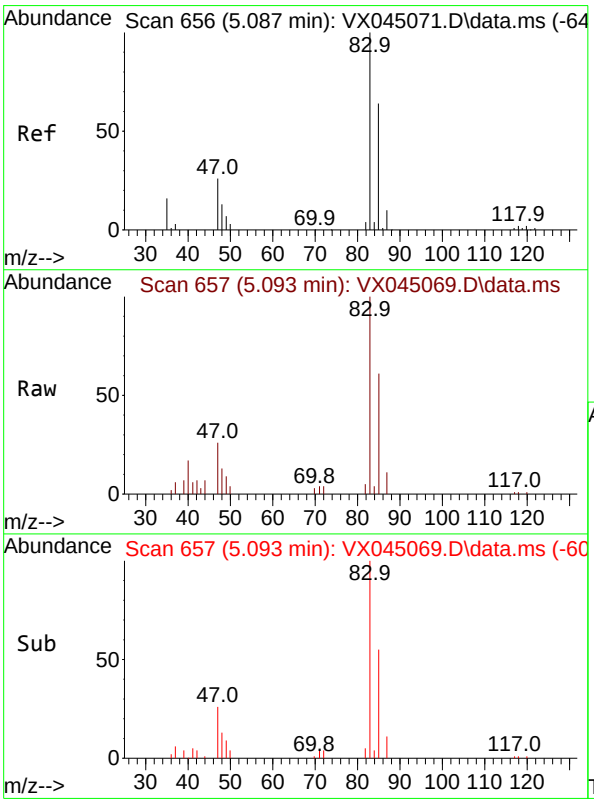
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

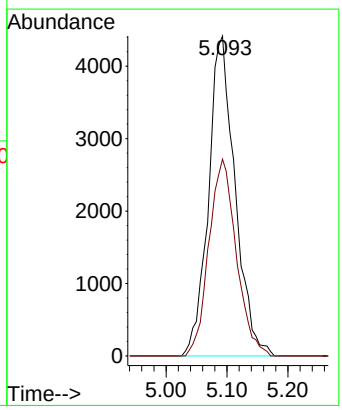
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

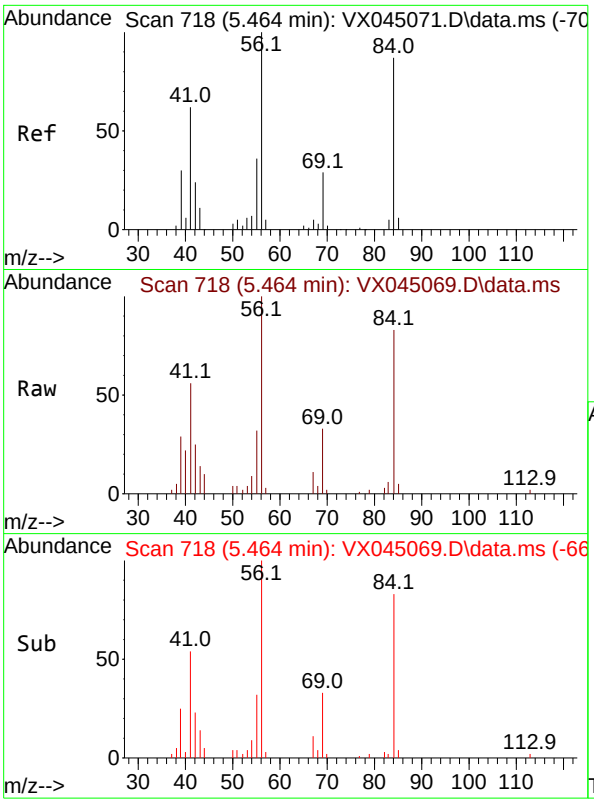


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2

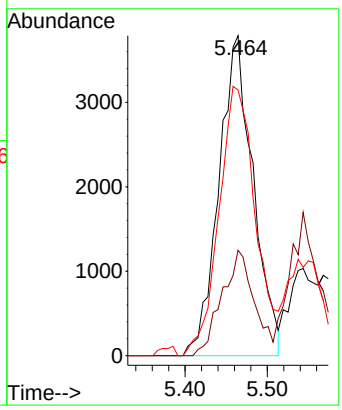




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 1096

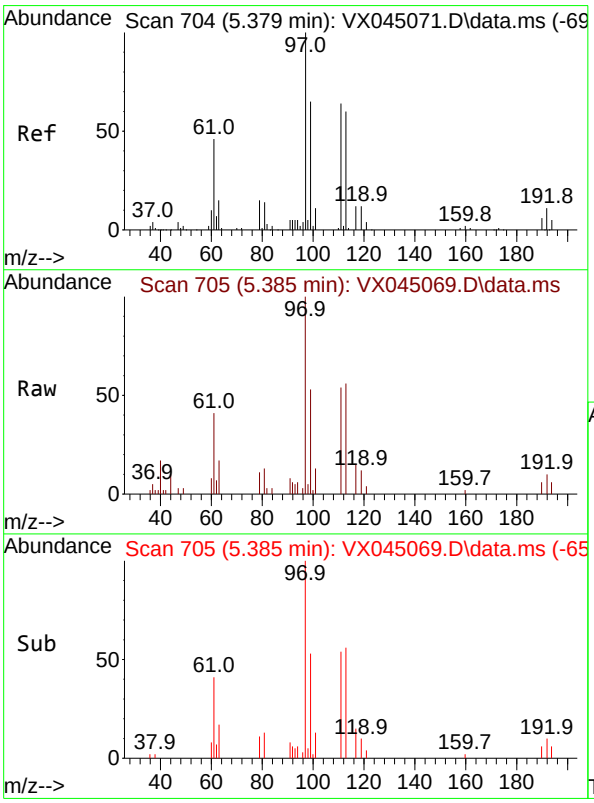
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

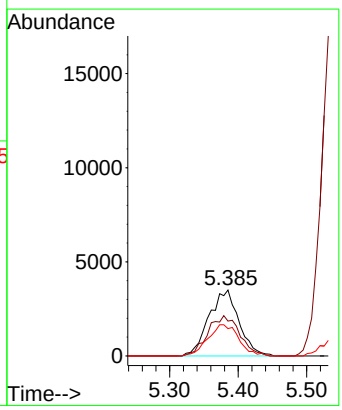
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

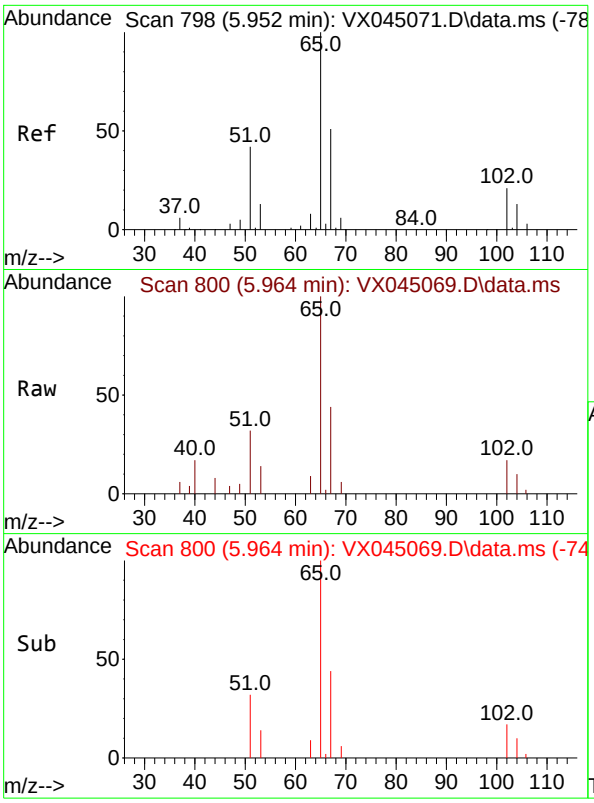


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6

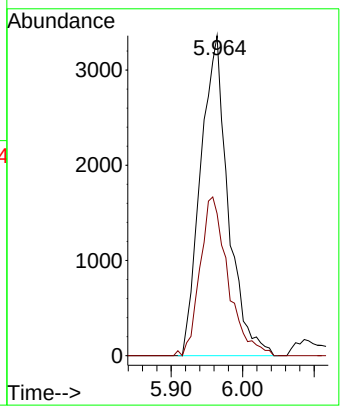




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

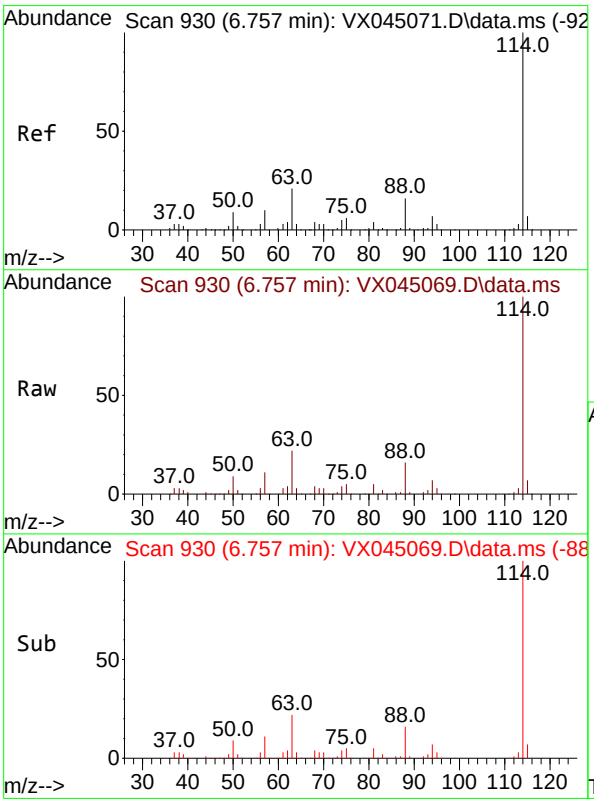
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

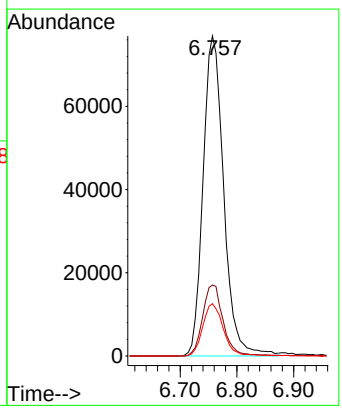
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

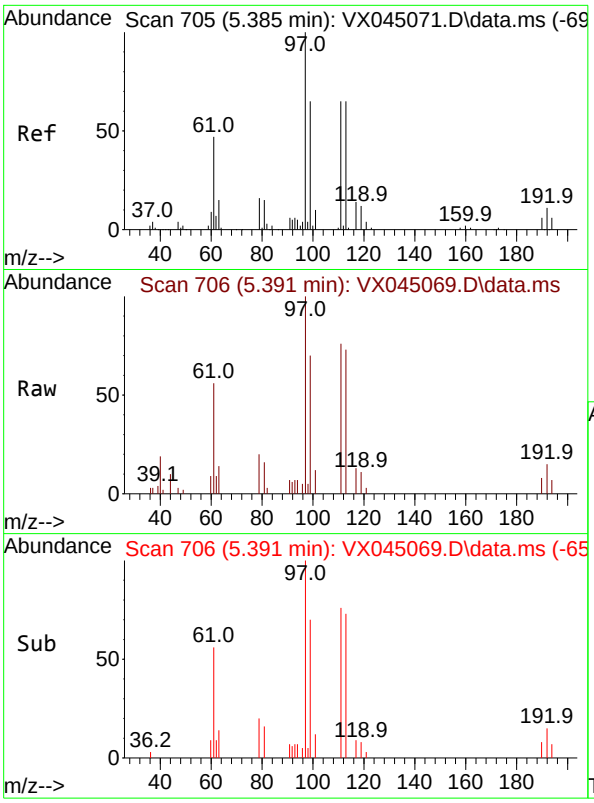


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

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

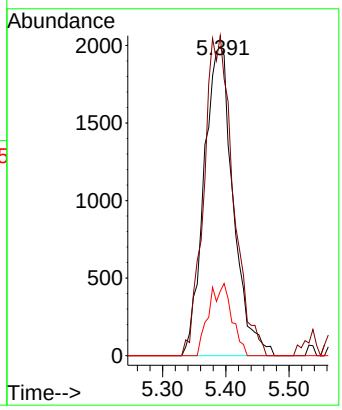




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

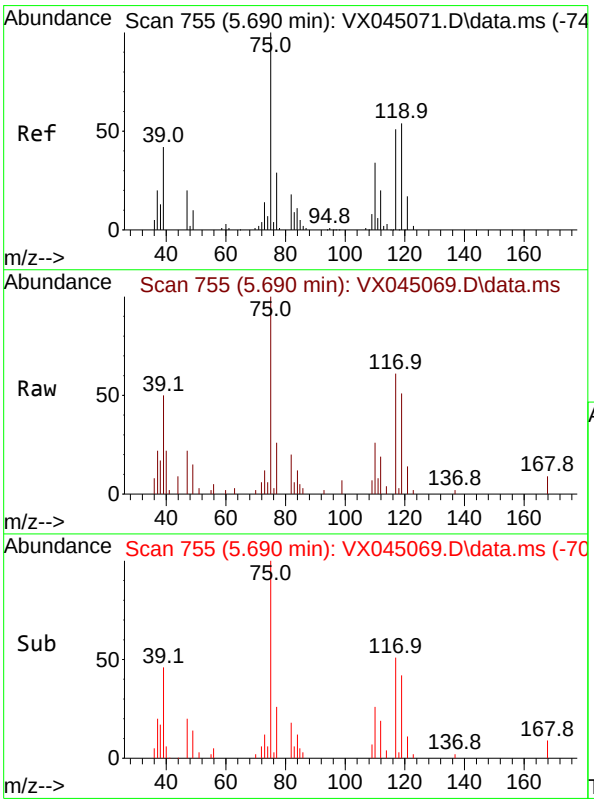
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

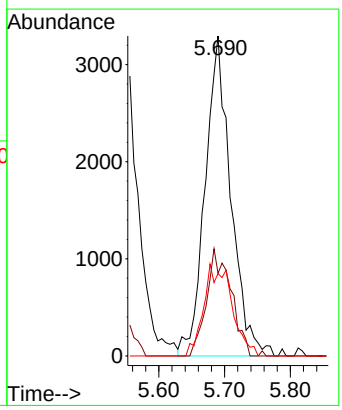
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

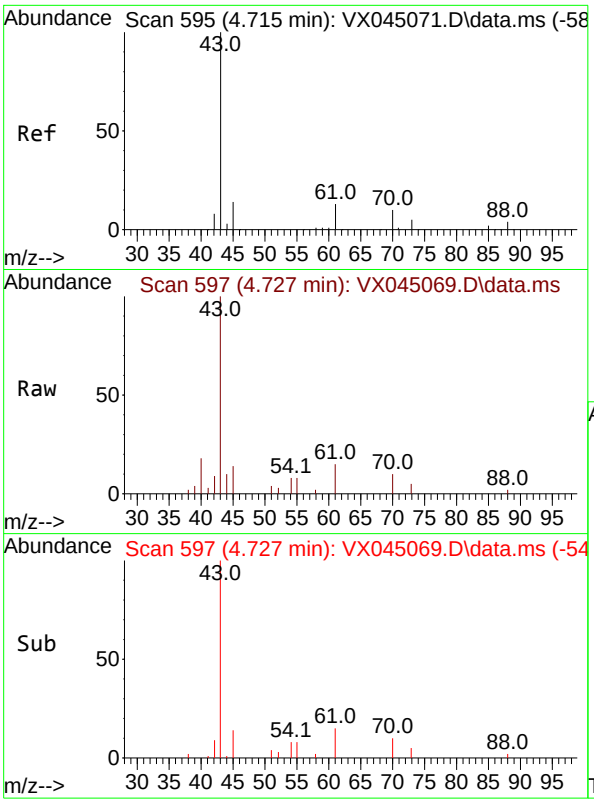


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#

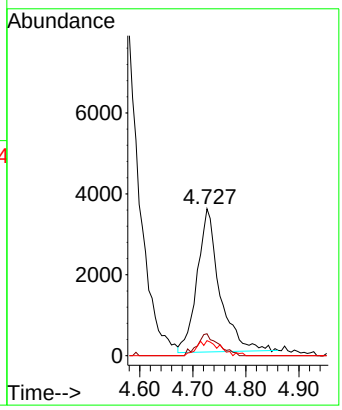




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

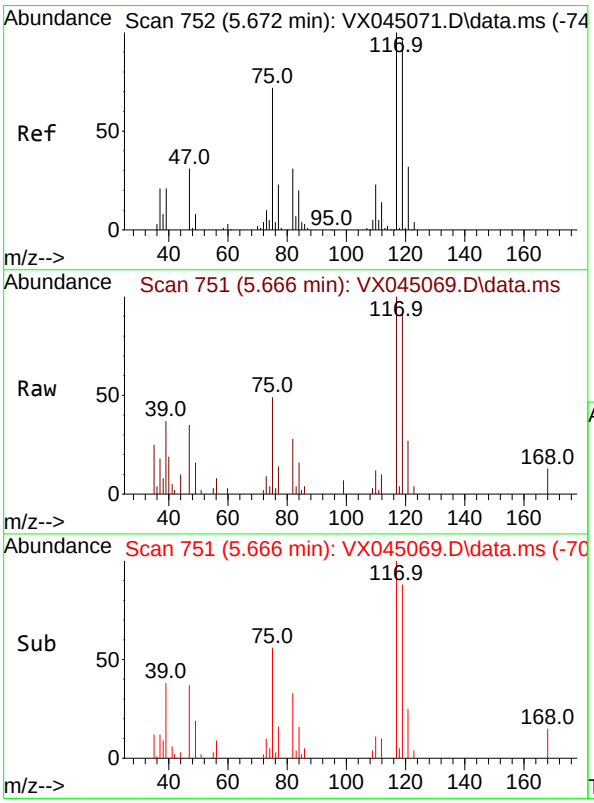
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

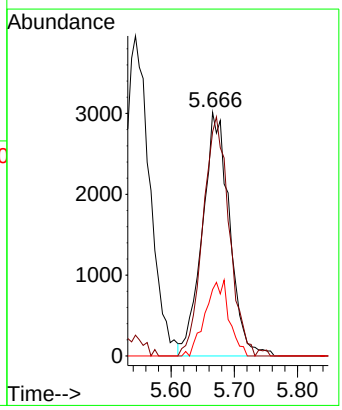
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

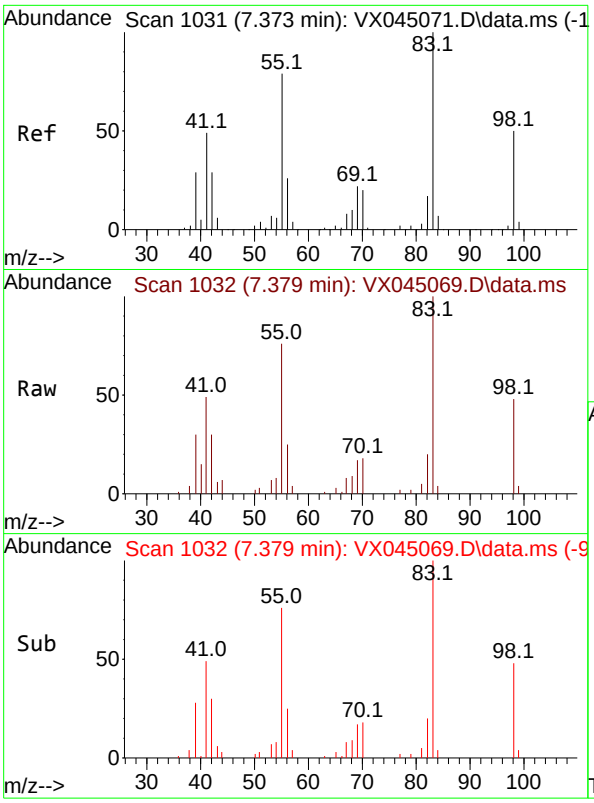


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3

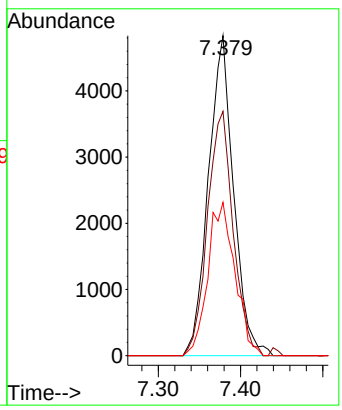




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

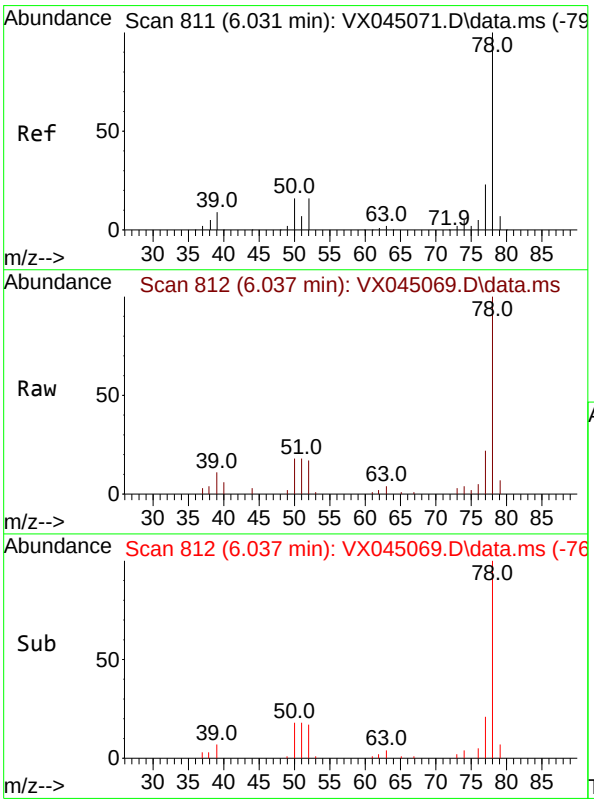
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

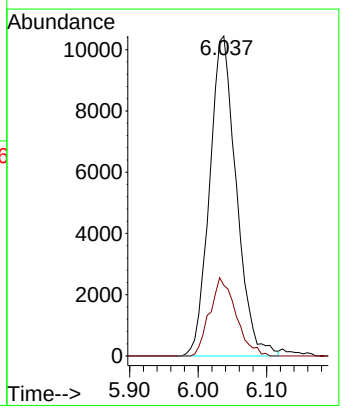
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

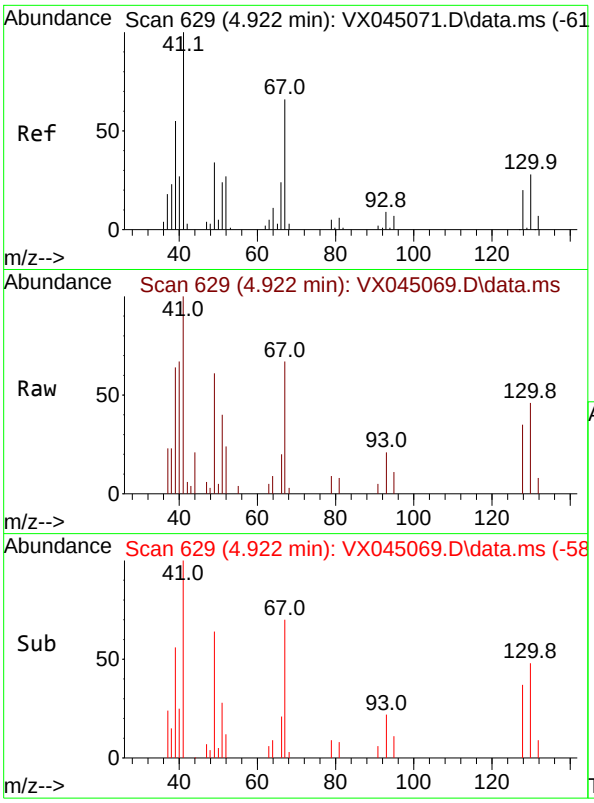


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2

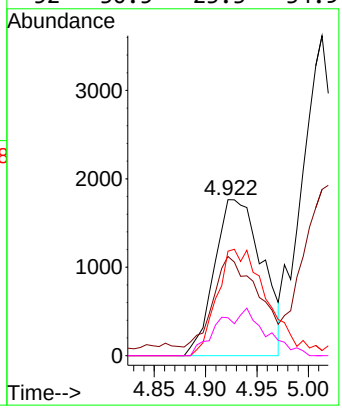




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 570

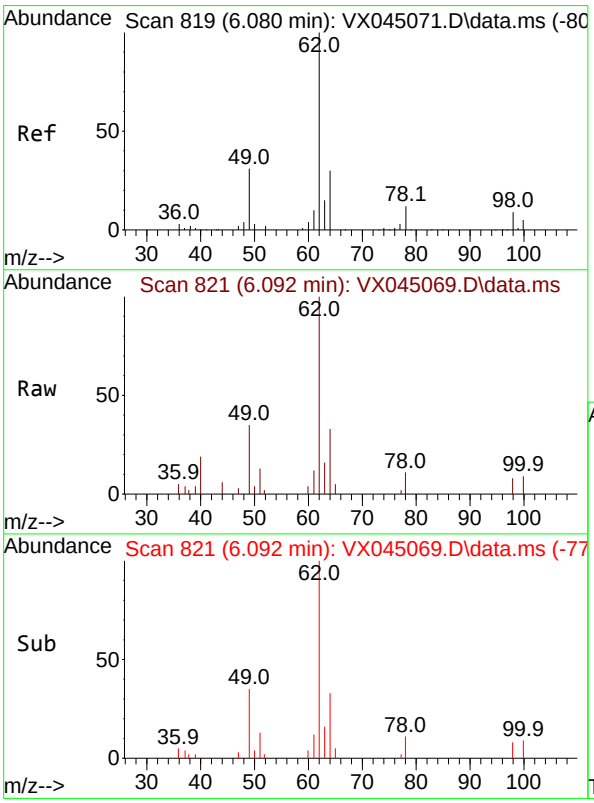
Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

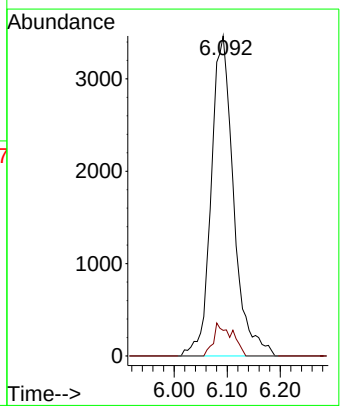
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

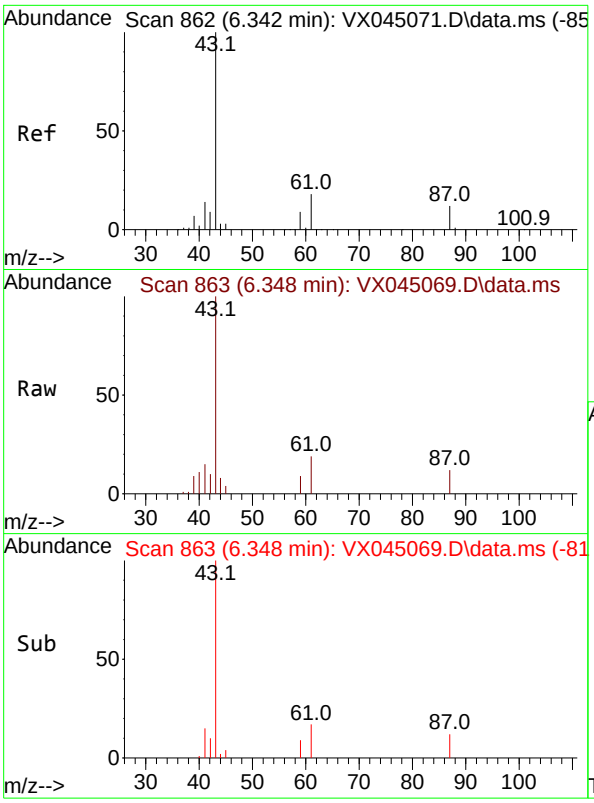


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

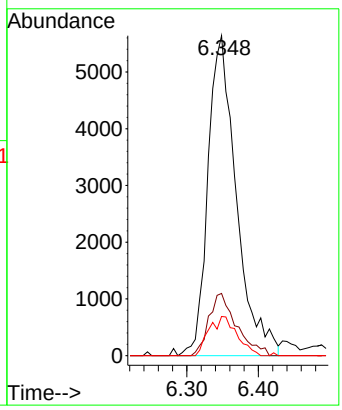




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1554

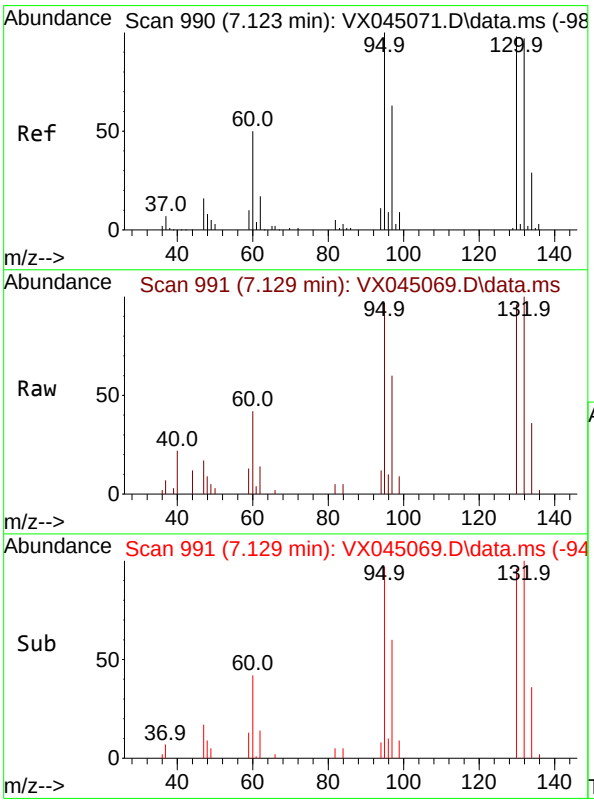
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

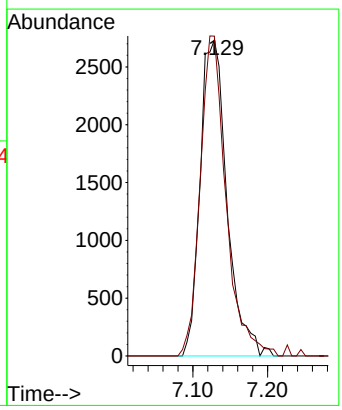
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

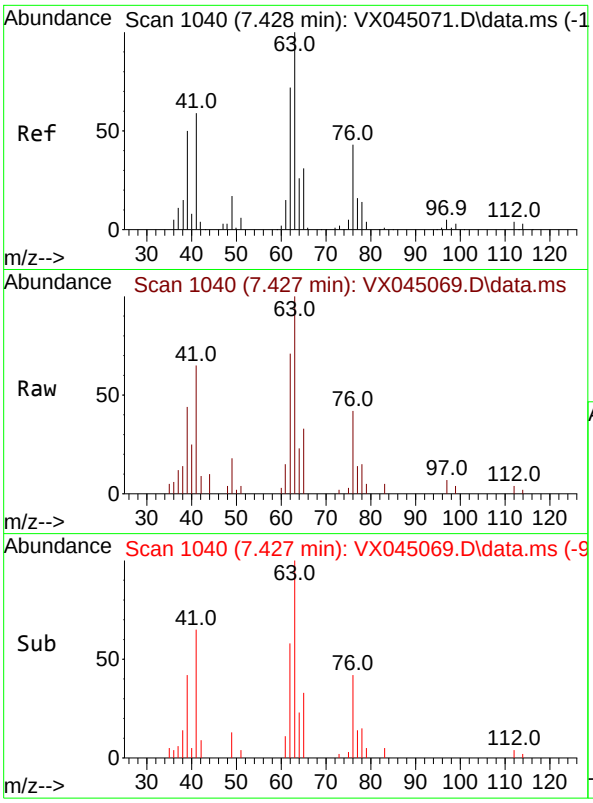


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0





#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

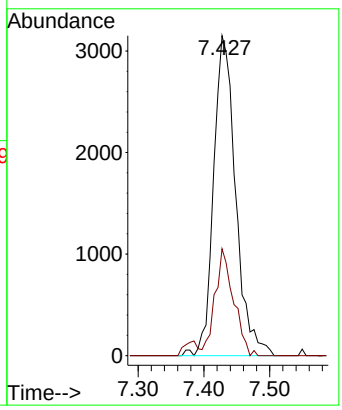
Tgt Ion: 63 Resp: 734

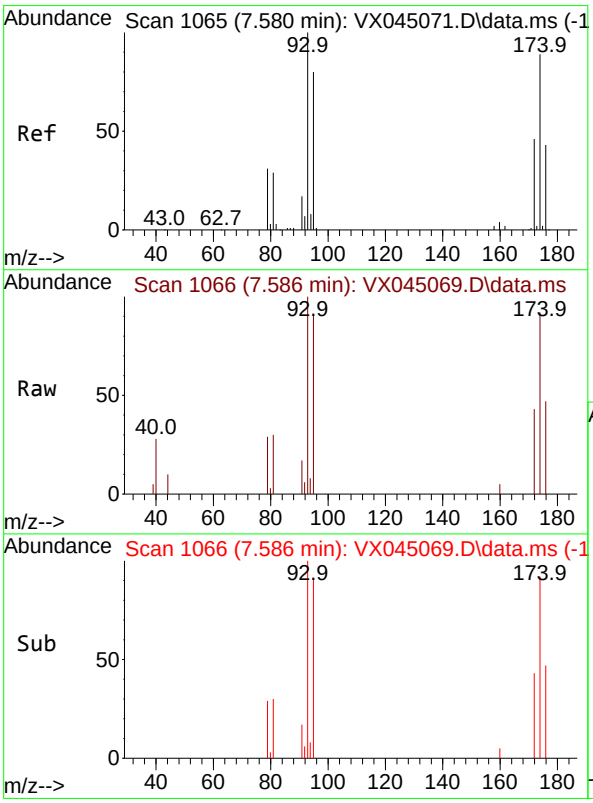
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

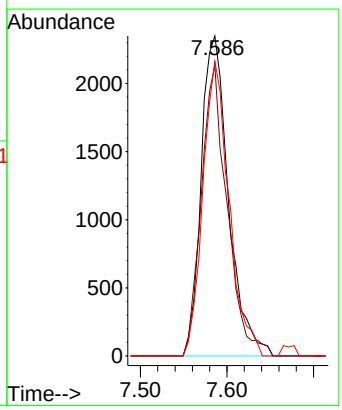


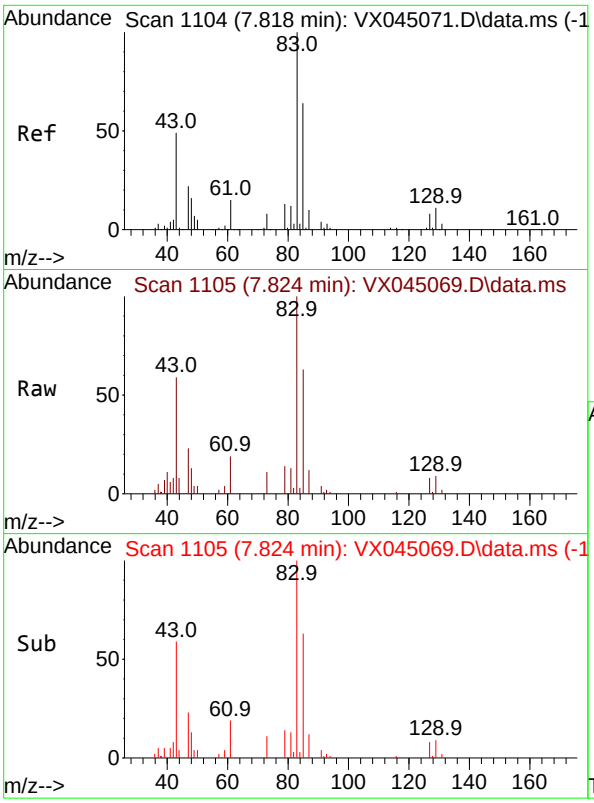


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2

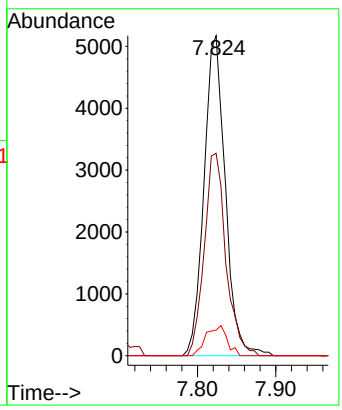




#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 977

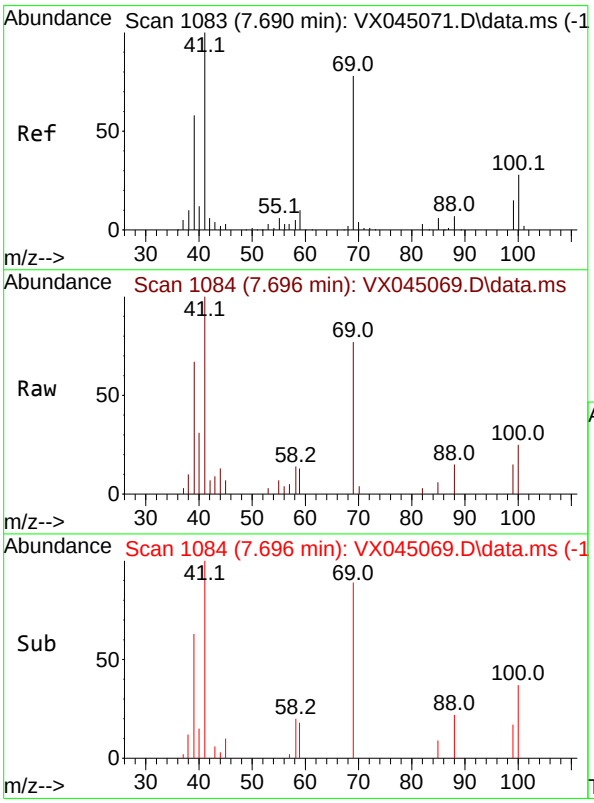
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

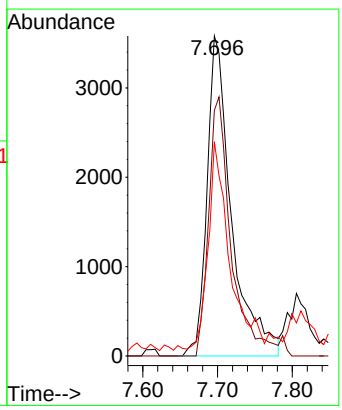
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

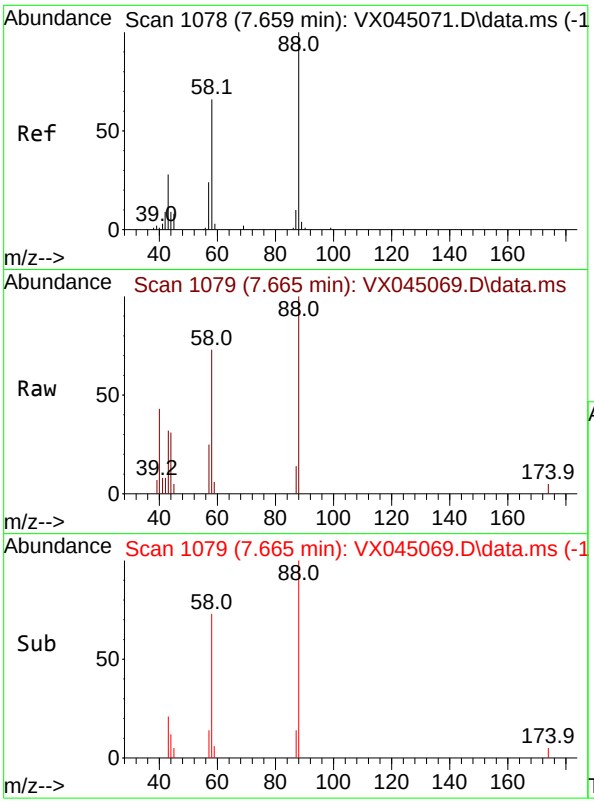


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3

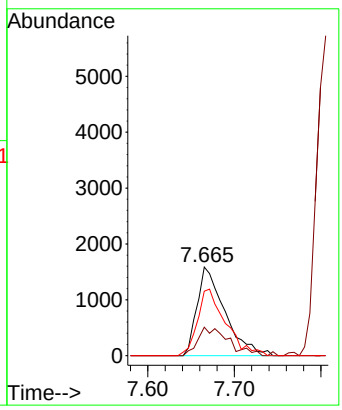




#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 88 Resp: 353

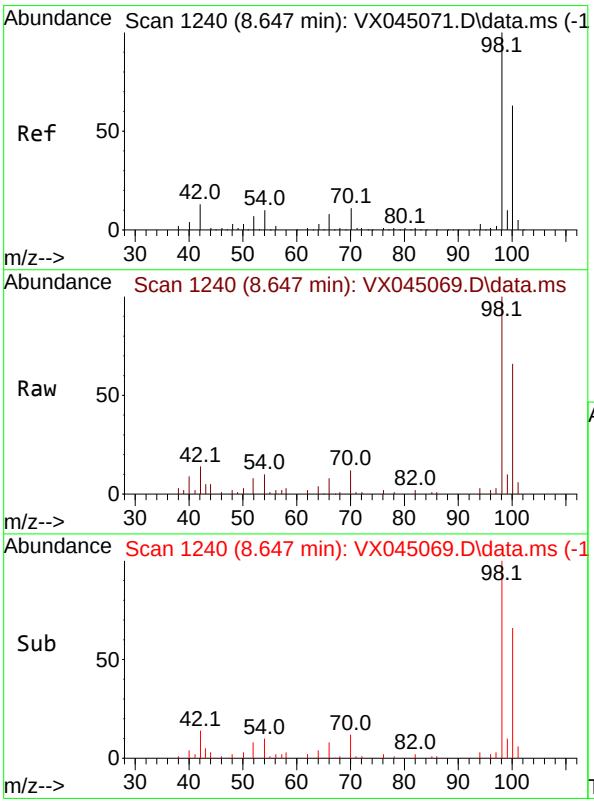
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

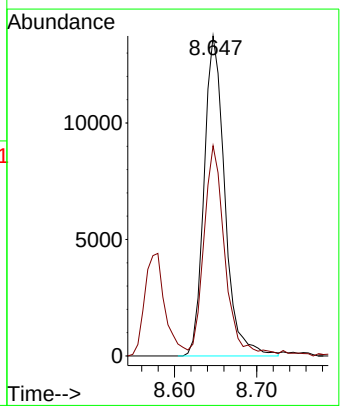
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

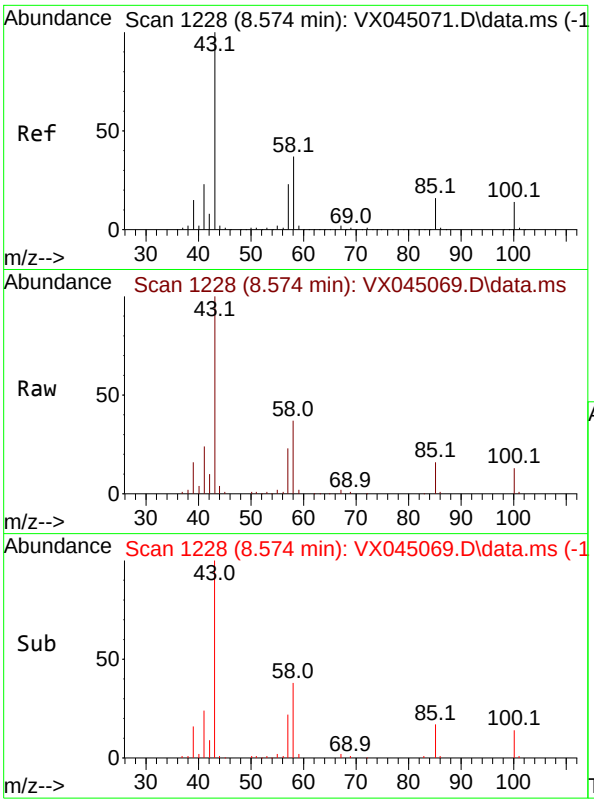


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

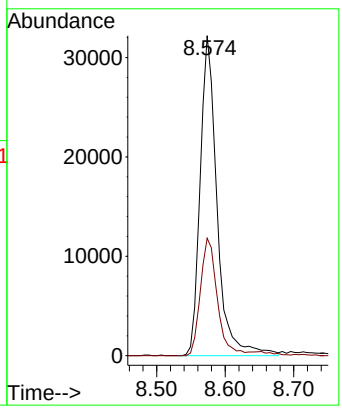




#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 5532

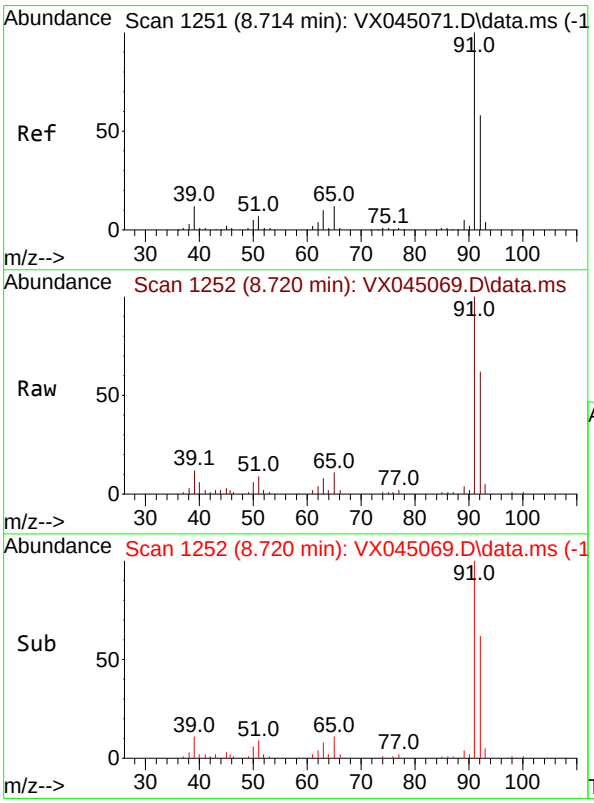
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

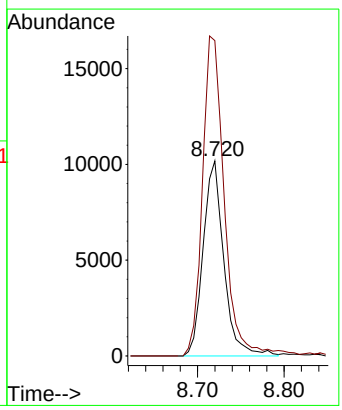
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

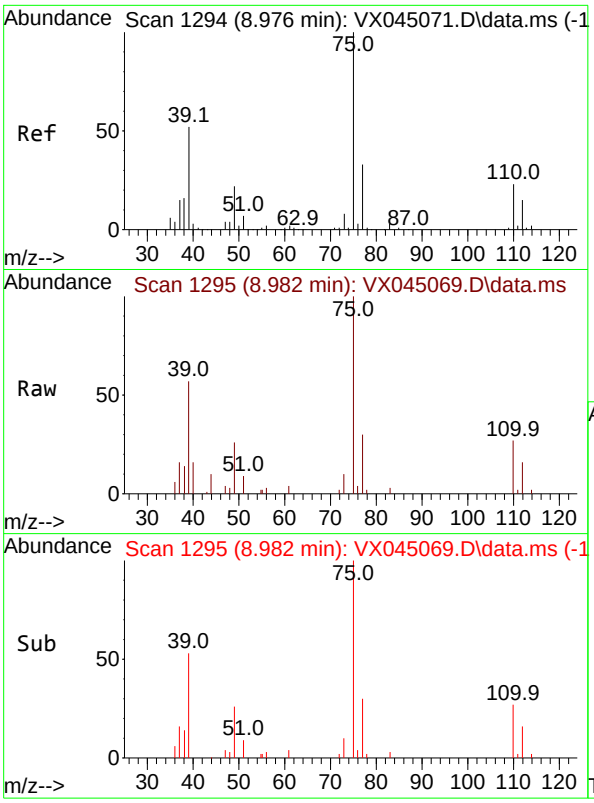


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

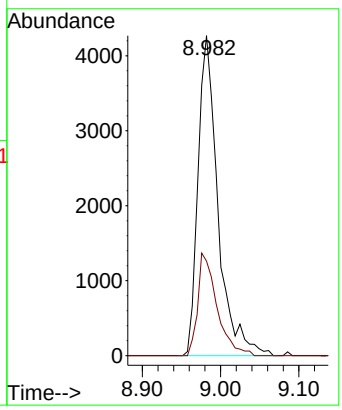




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

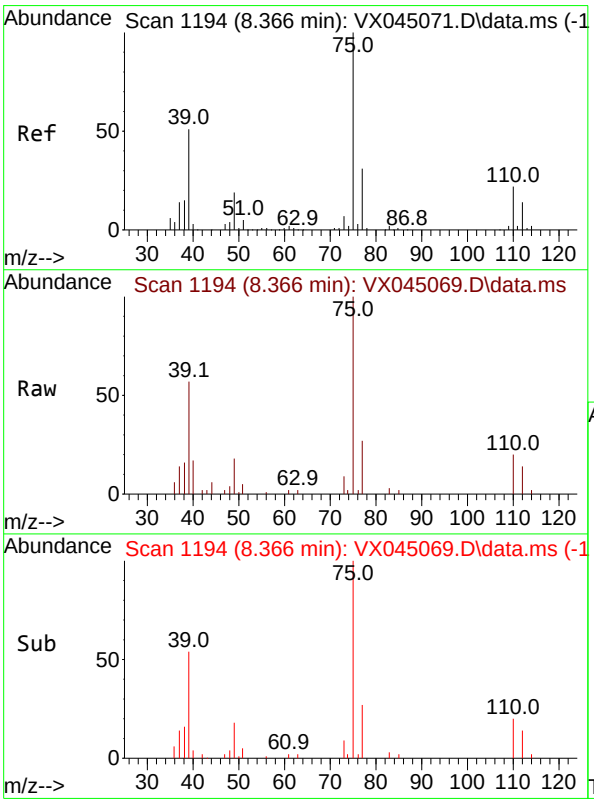
Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

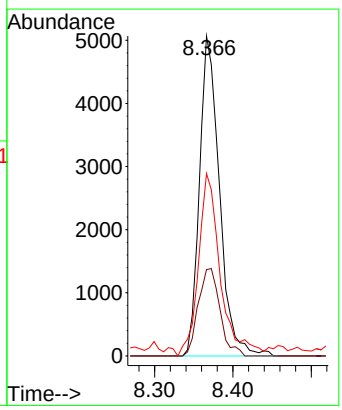
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

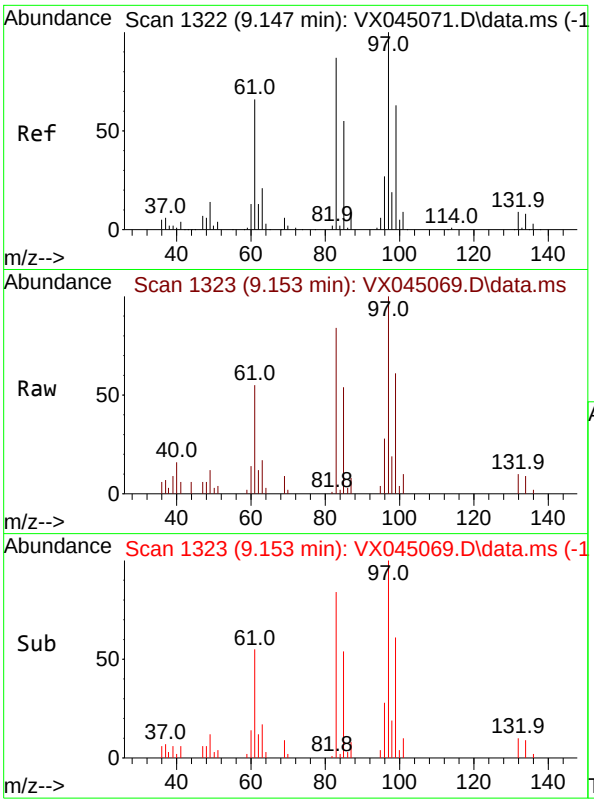


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1

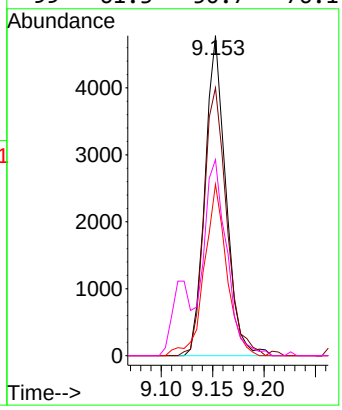




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

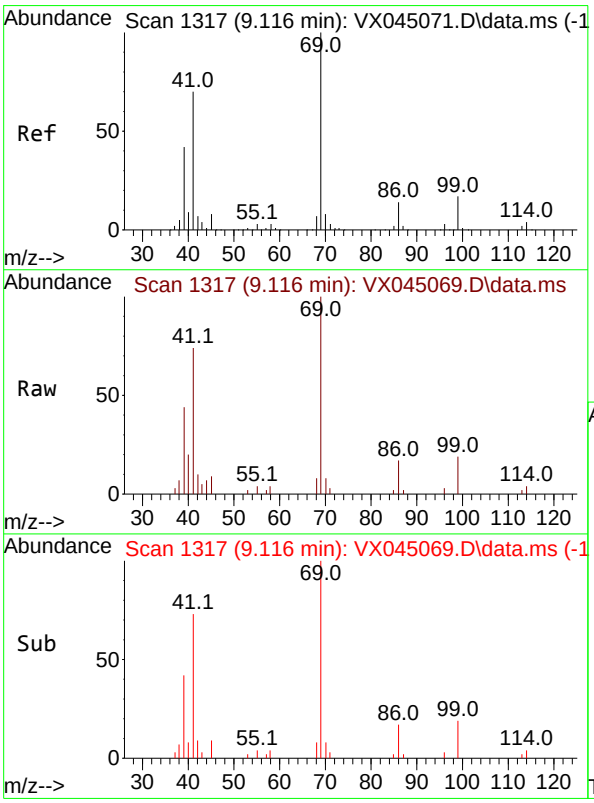
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

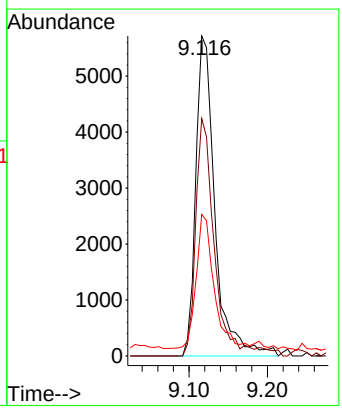
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

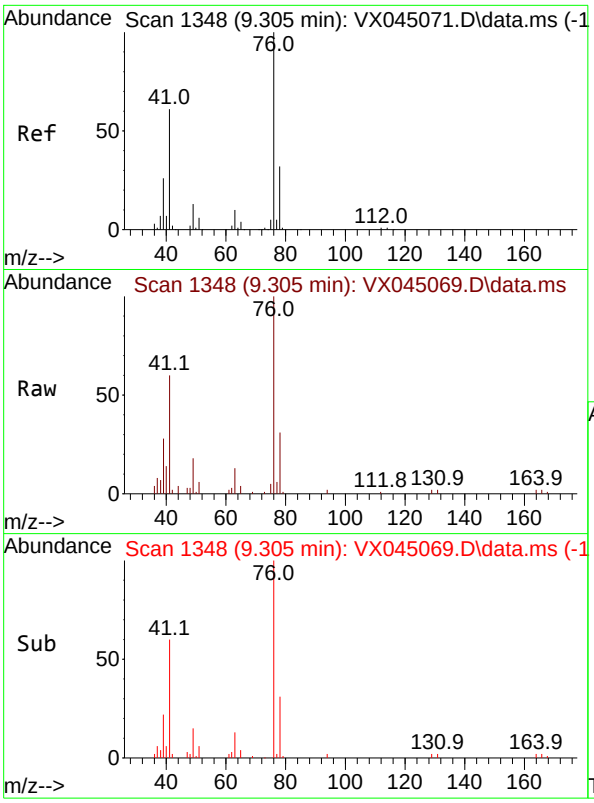


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4

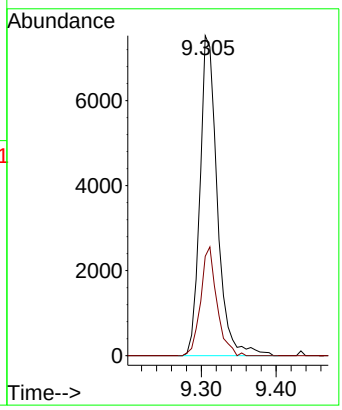




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

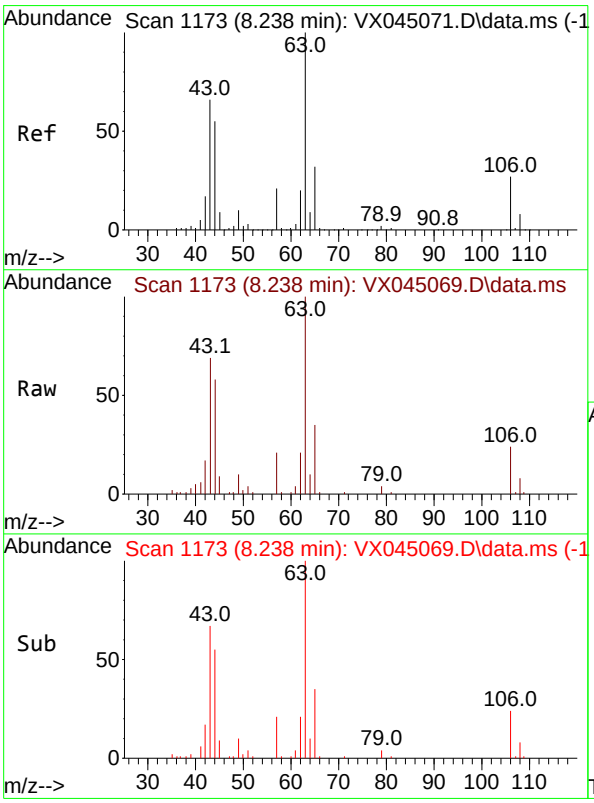
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

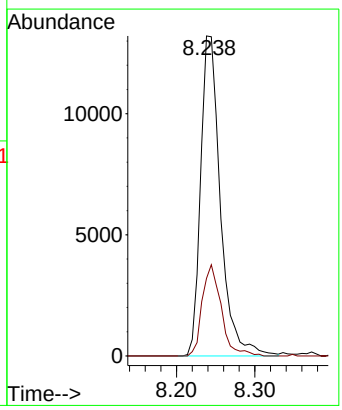
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

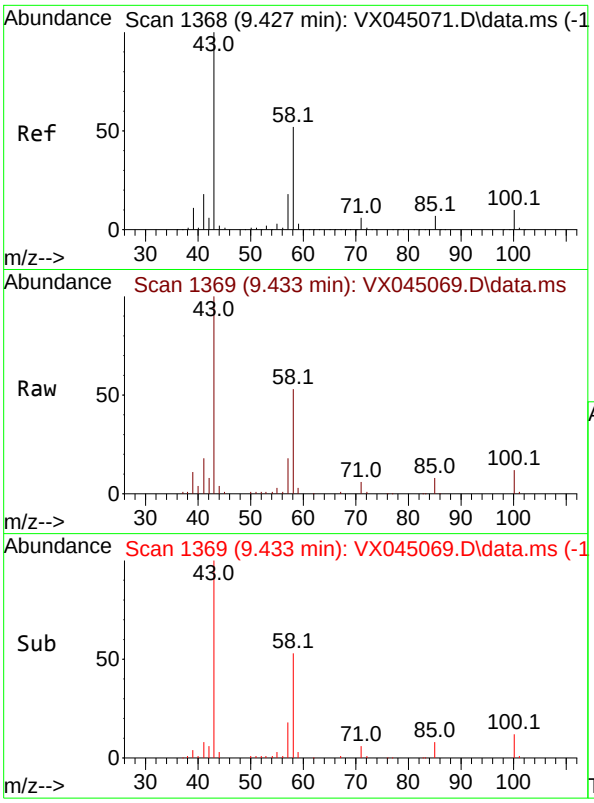


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3





#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

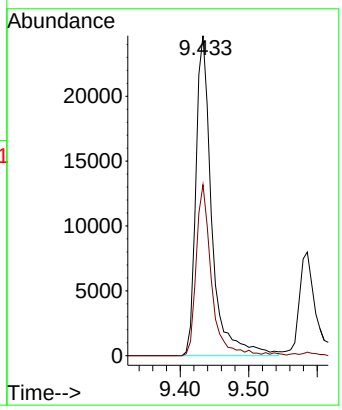
Tgt Ion: 43 Resp: 3999

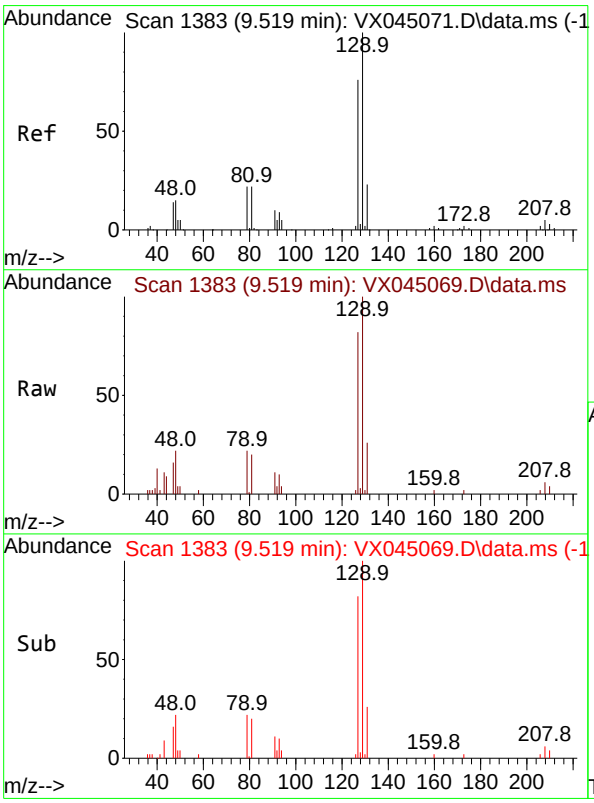
Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

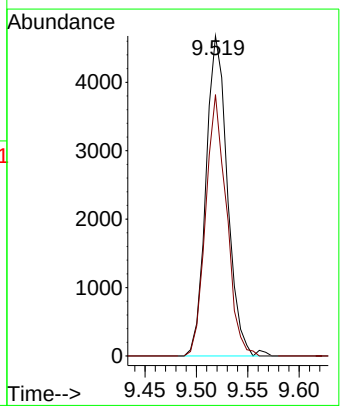


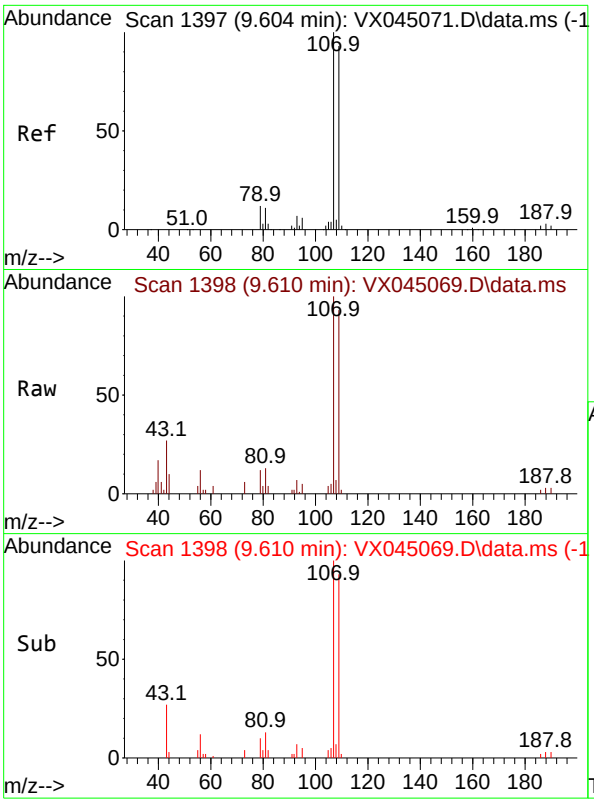


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5

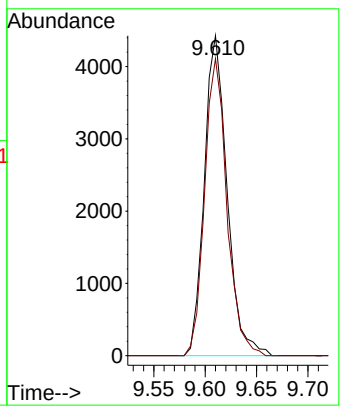




#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:107 Resp: 683

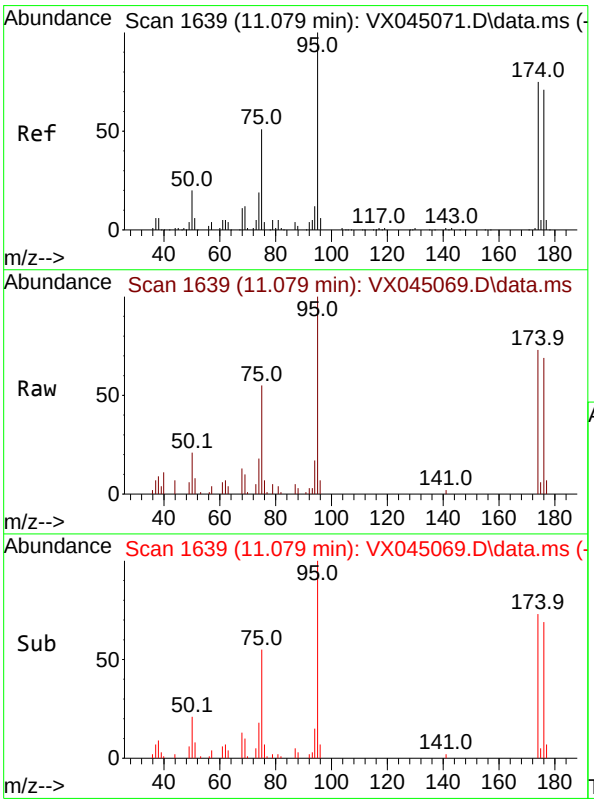
Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

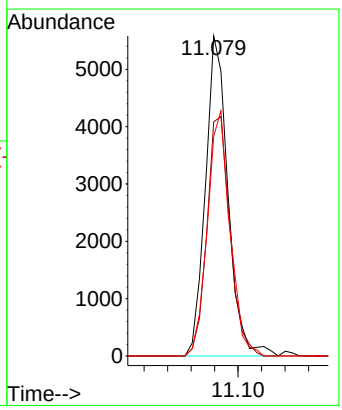
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

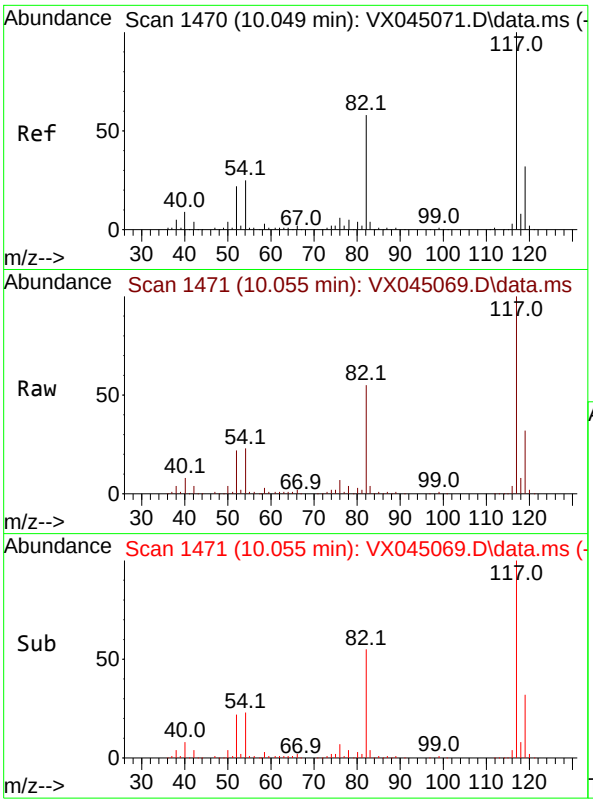


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4

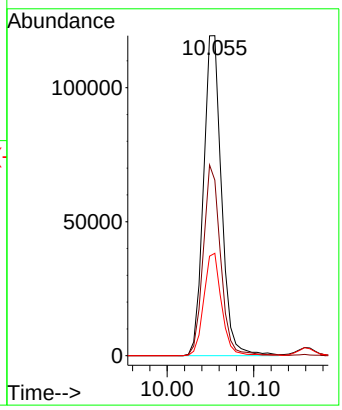




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

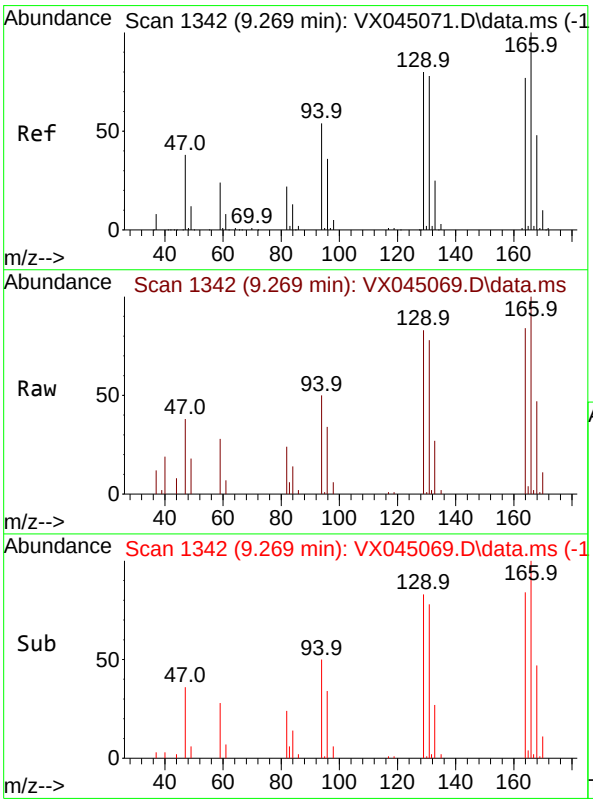
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

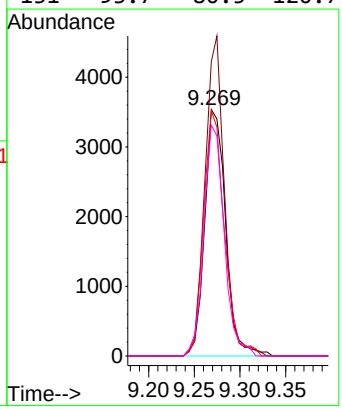
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

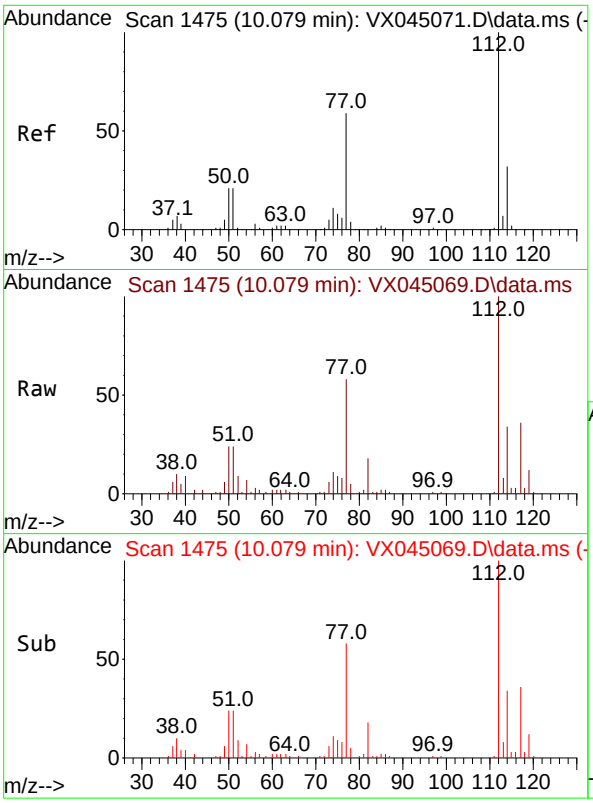


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7

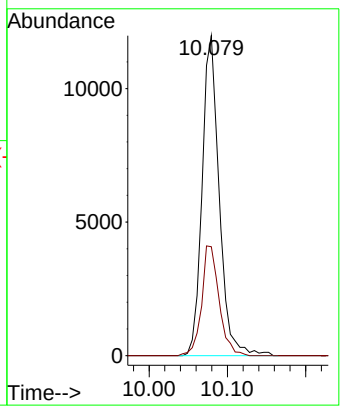




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

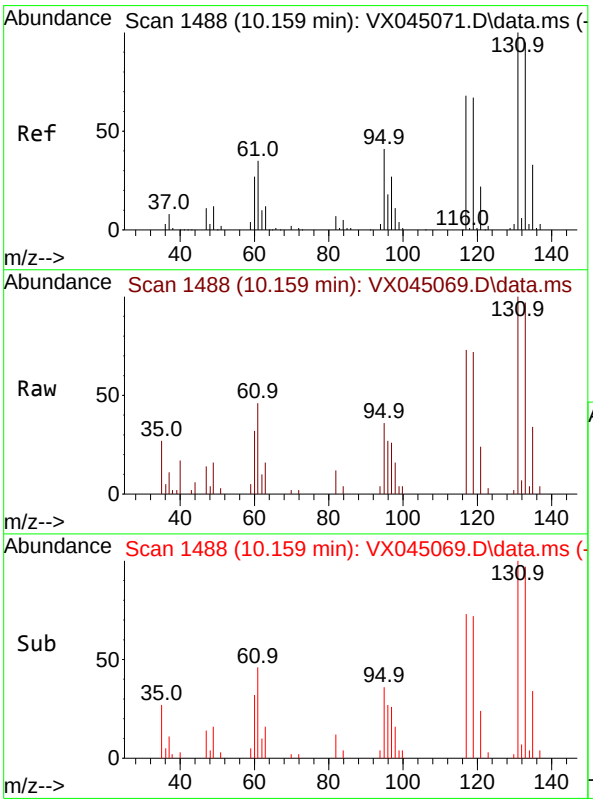
Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

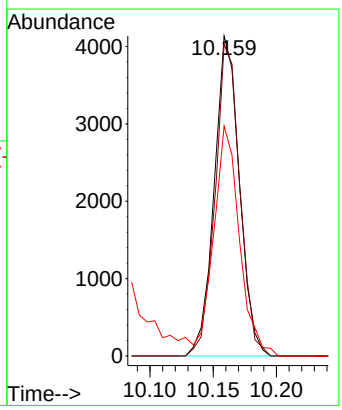
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

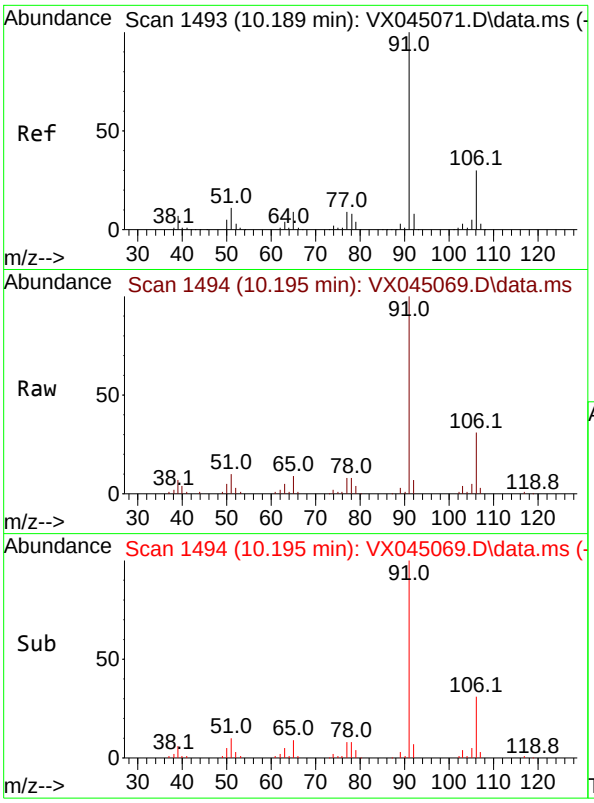


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7

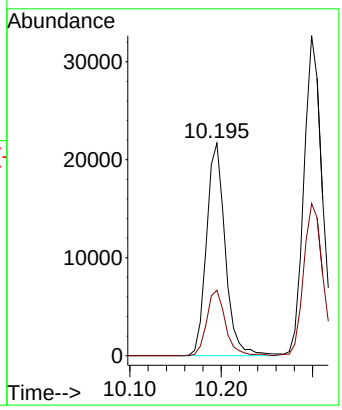




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

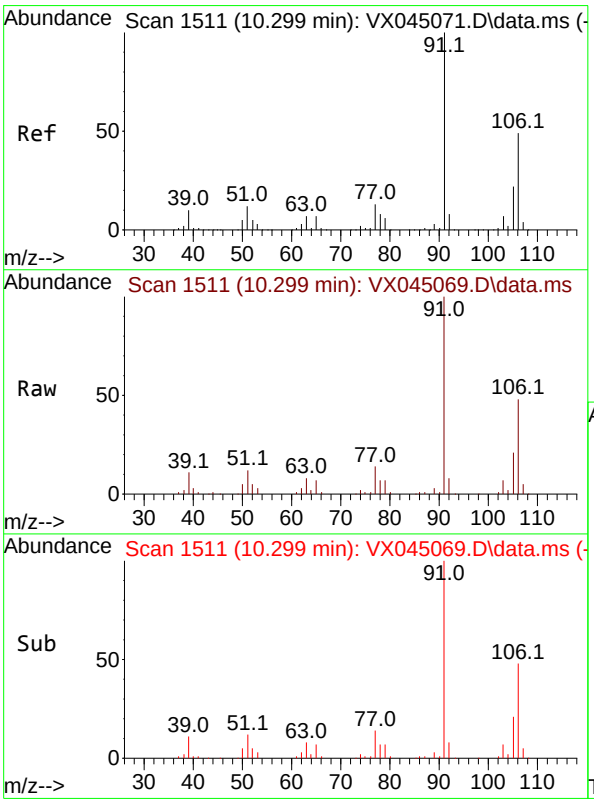
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

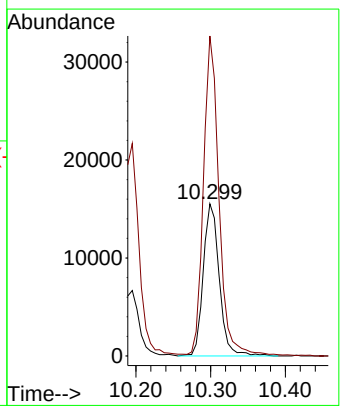
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

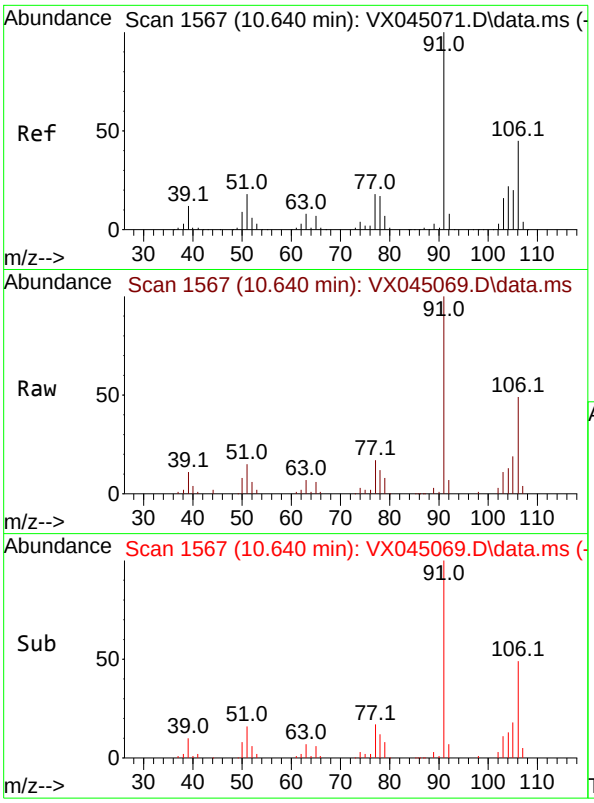


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

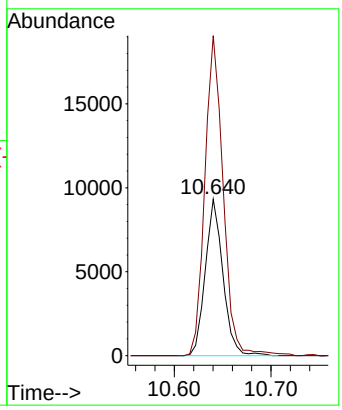




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

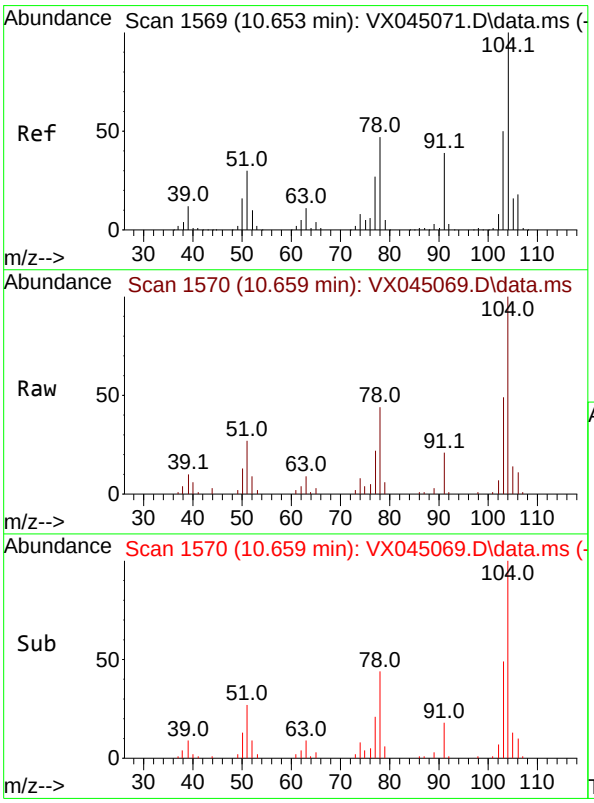
Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

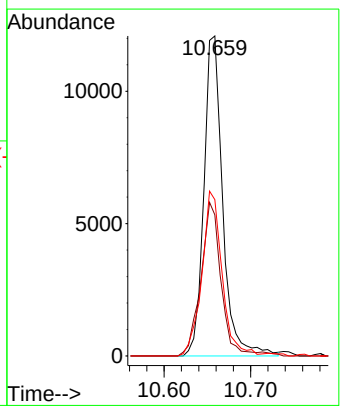
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

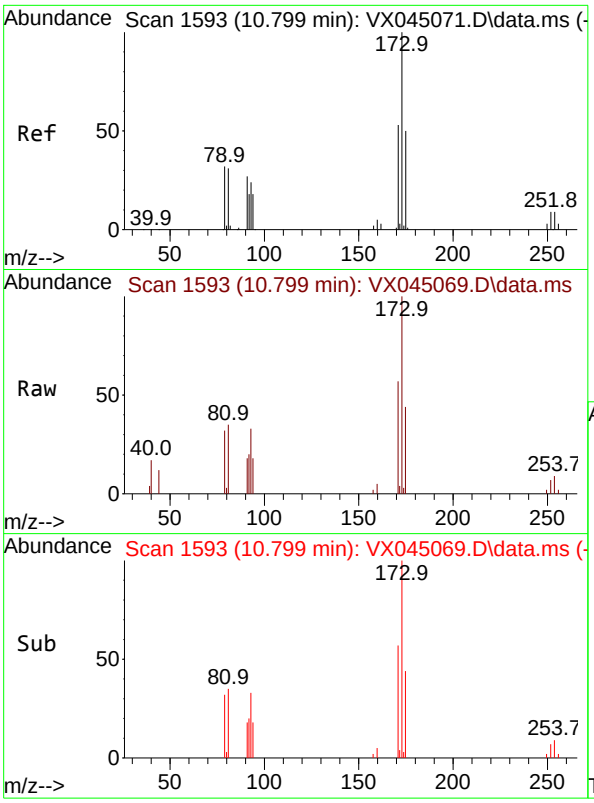


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8

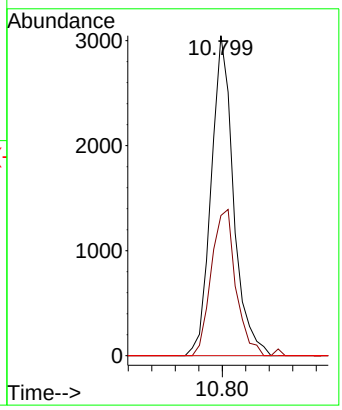




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

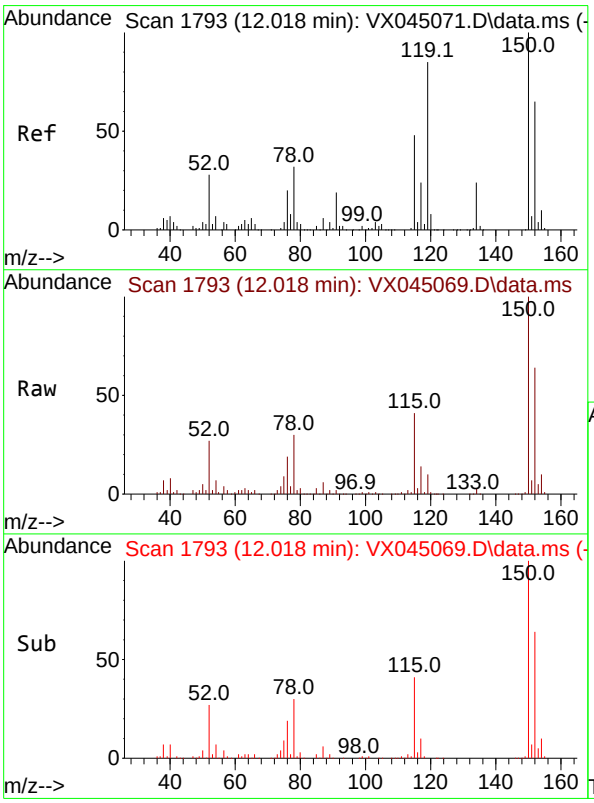
Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

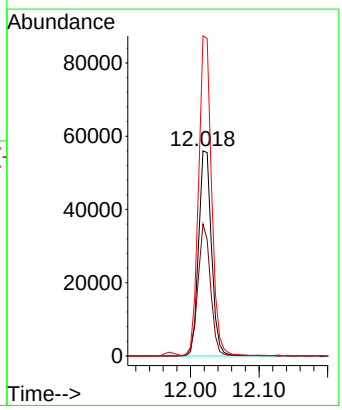
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

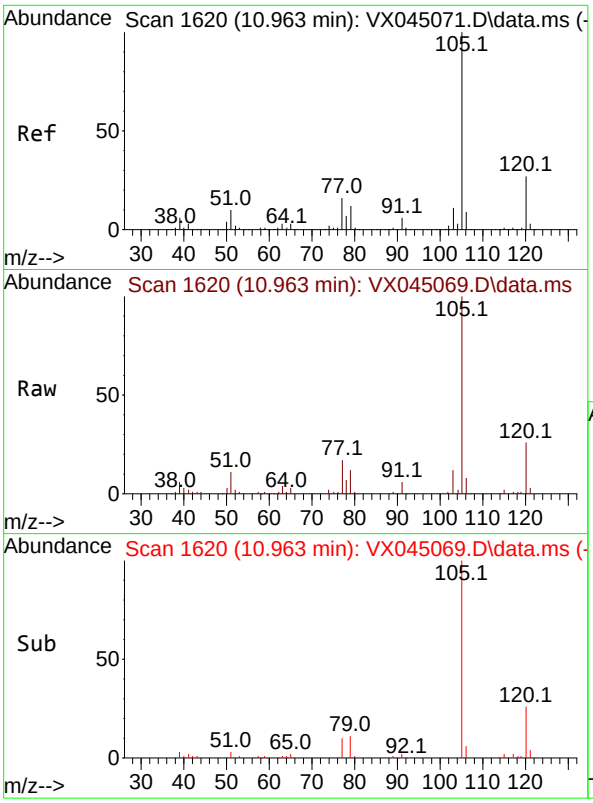


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0

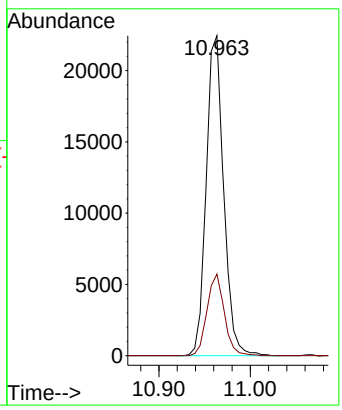




#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2968

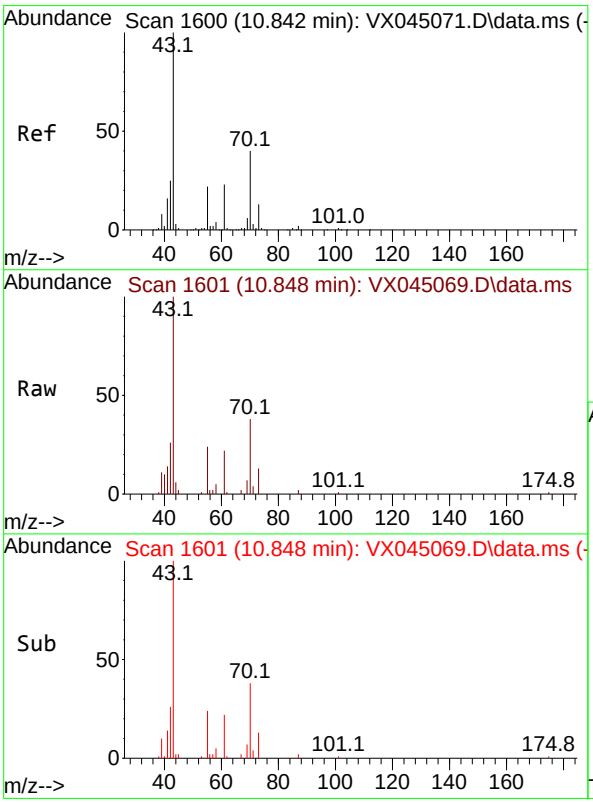
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

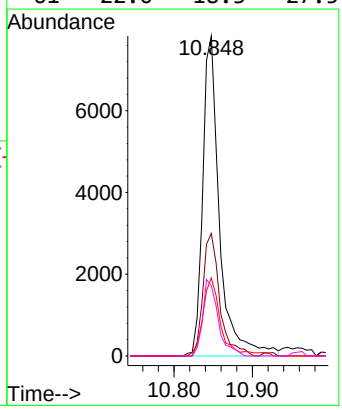
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

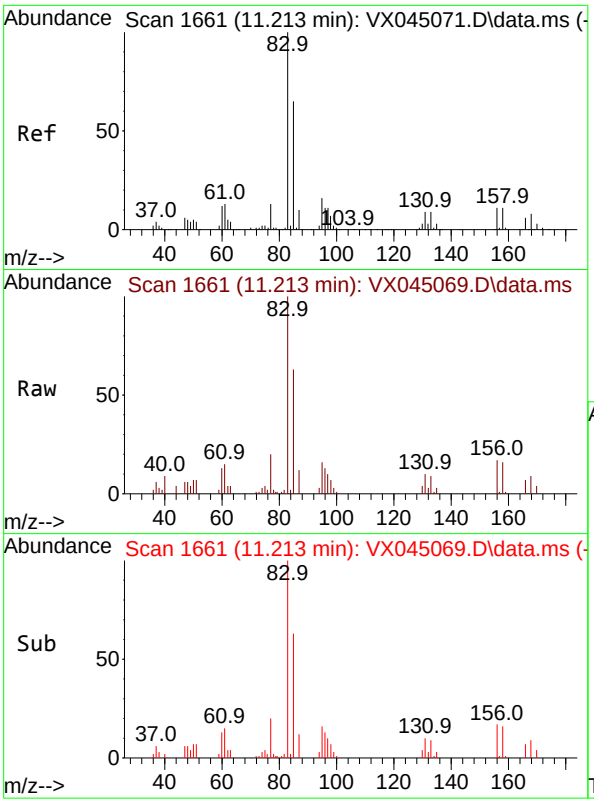


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5

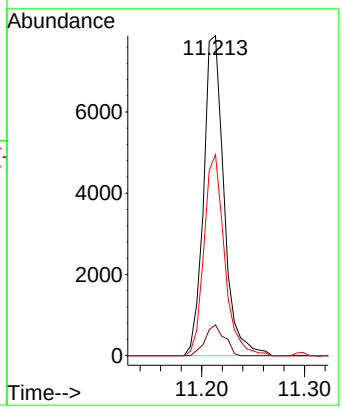




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

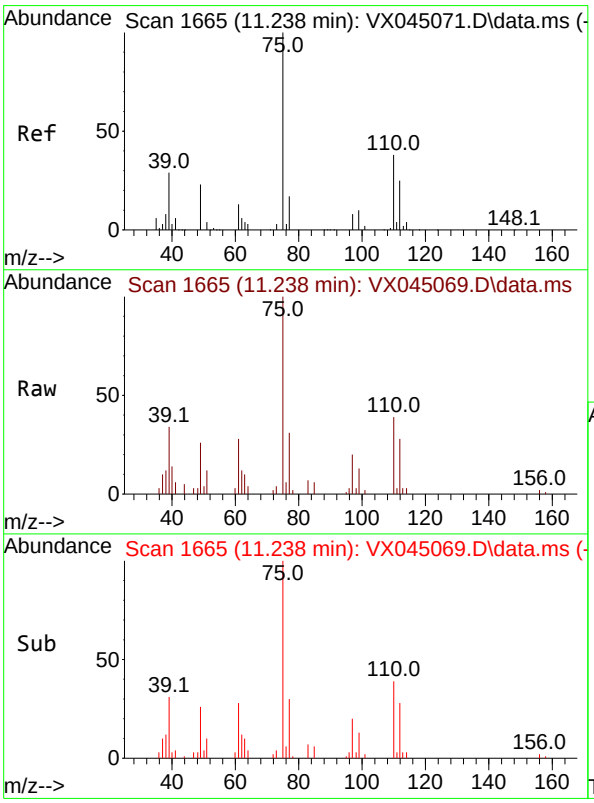
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

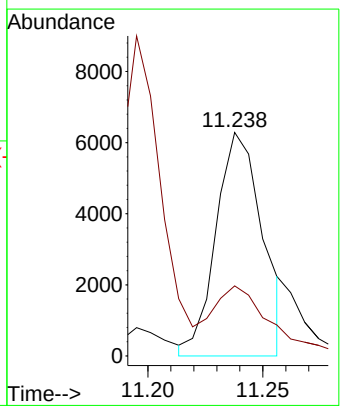
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

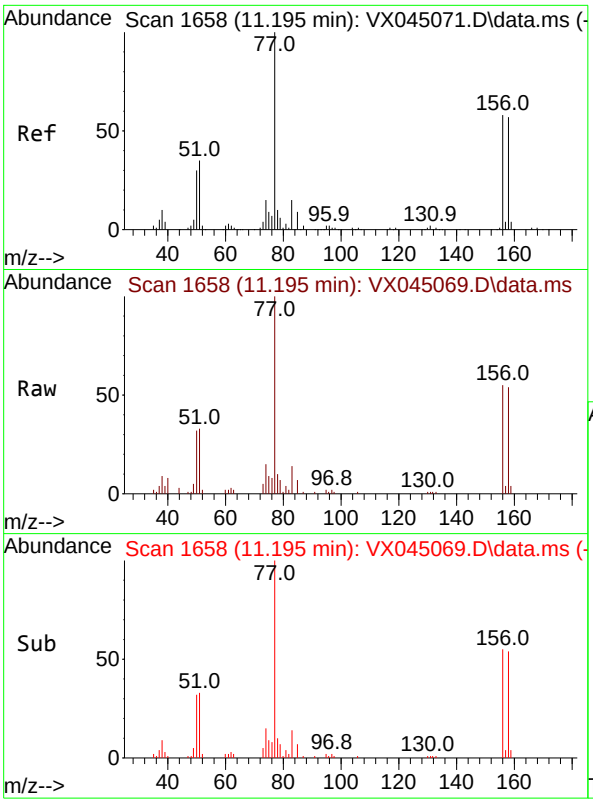


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

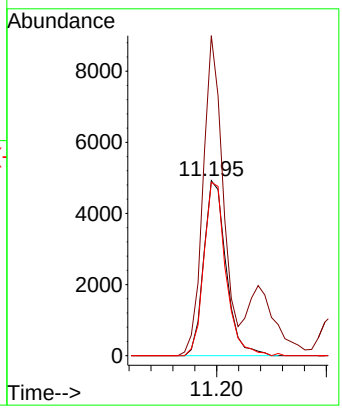




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697(

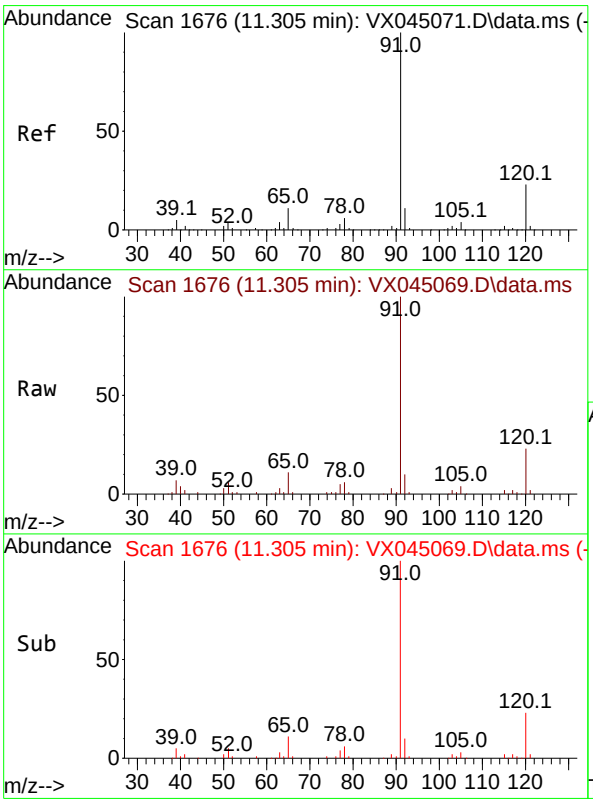
Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

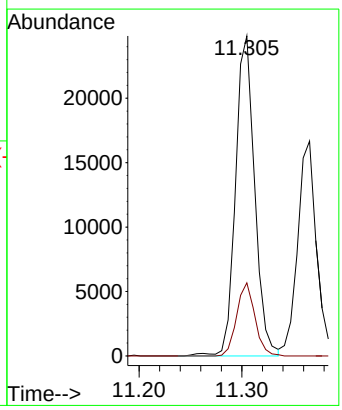
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

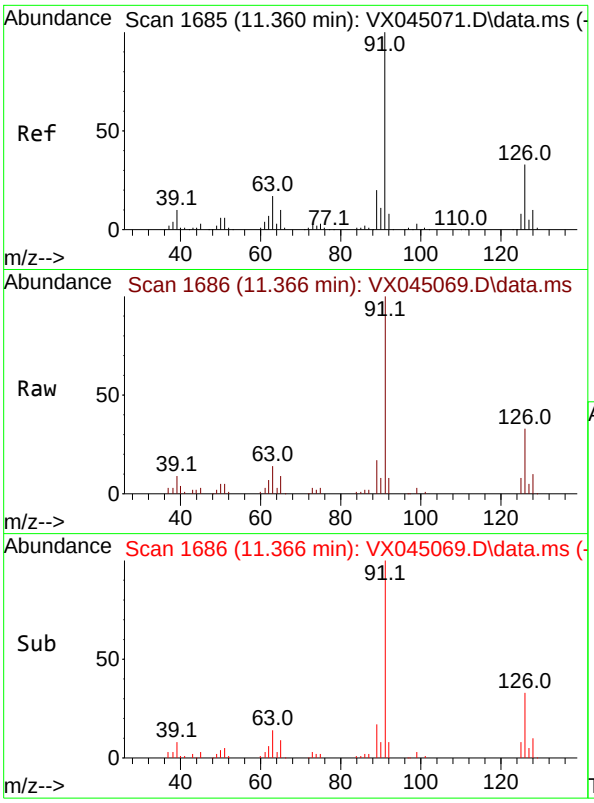


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6

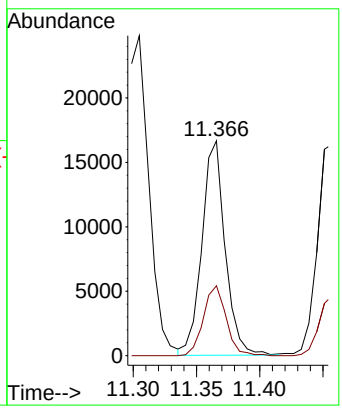




#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 2125

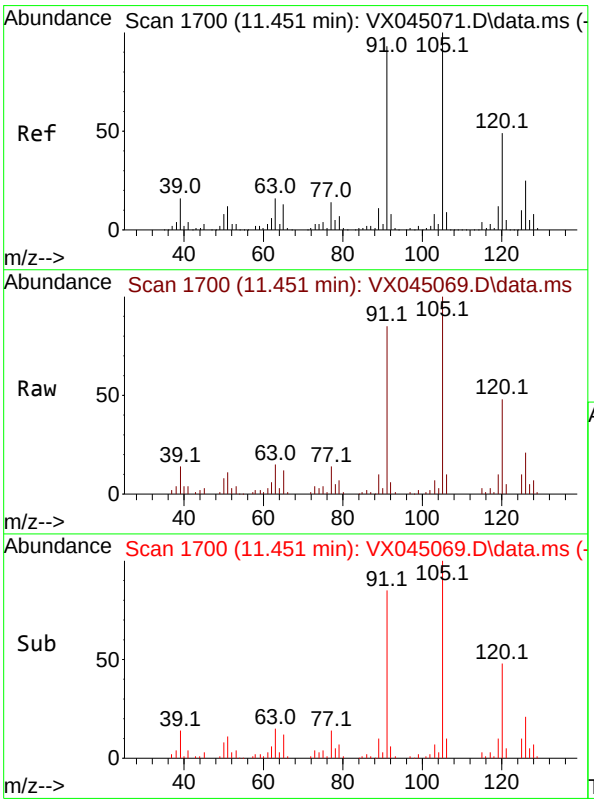
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

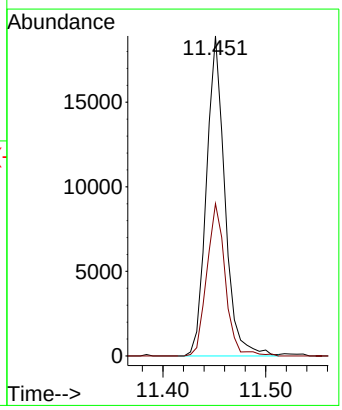
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

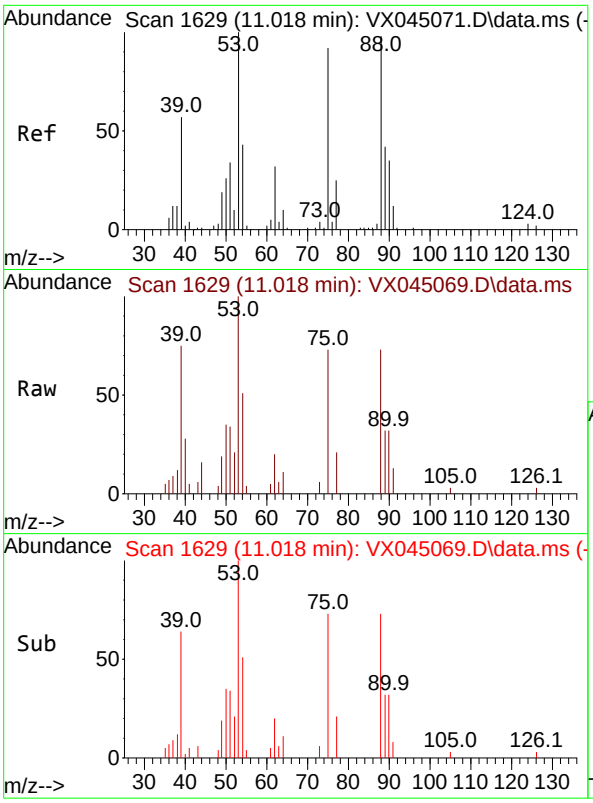


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2

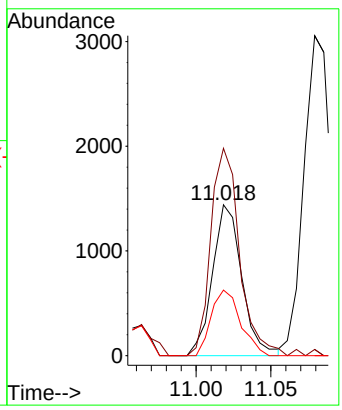




#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 197

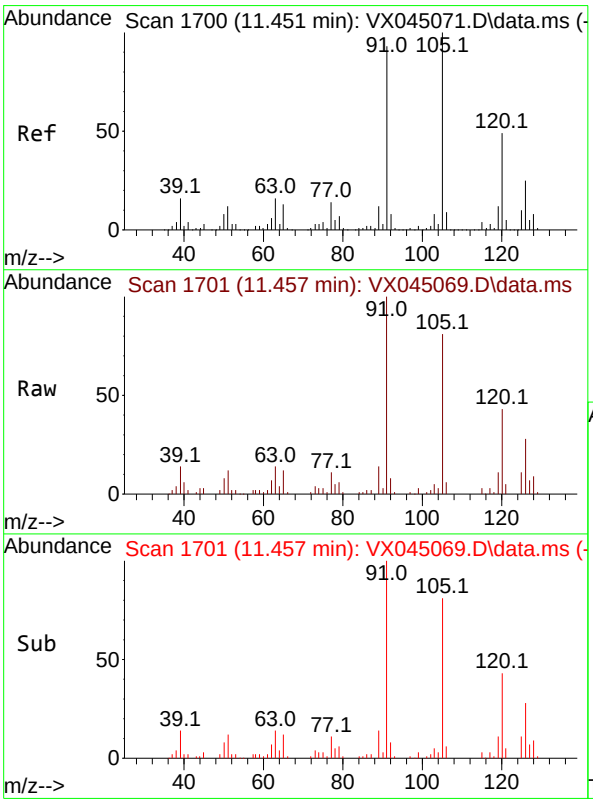
Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

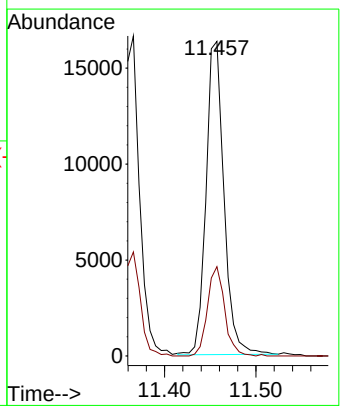
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

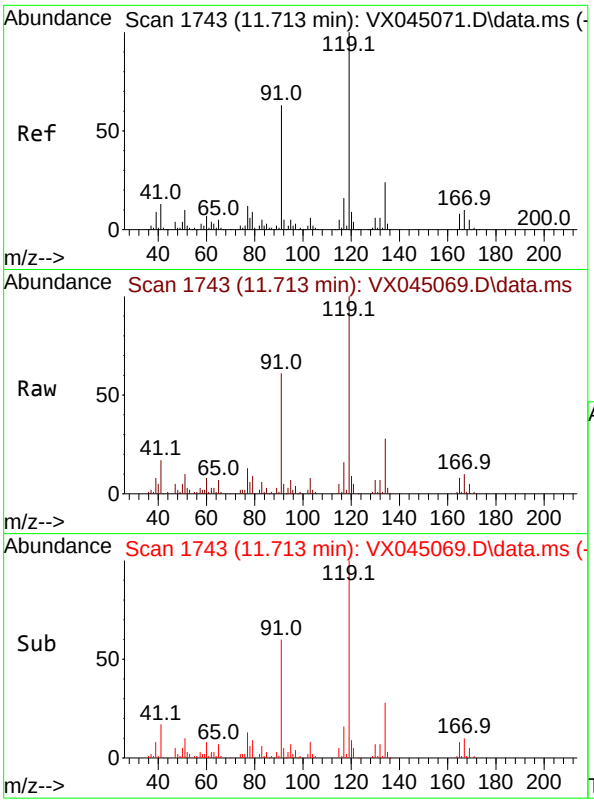


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

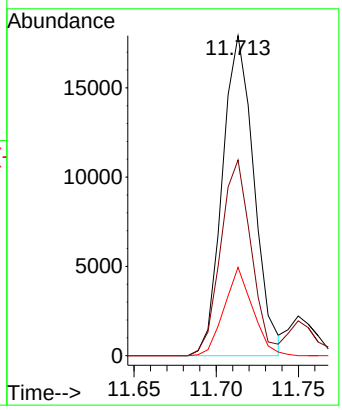




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

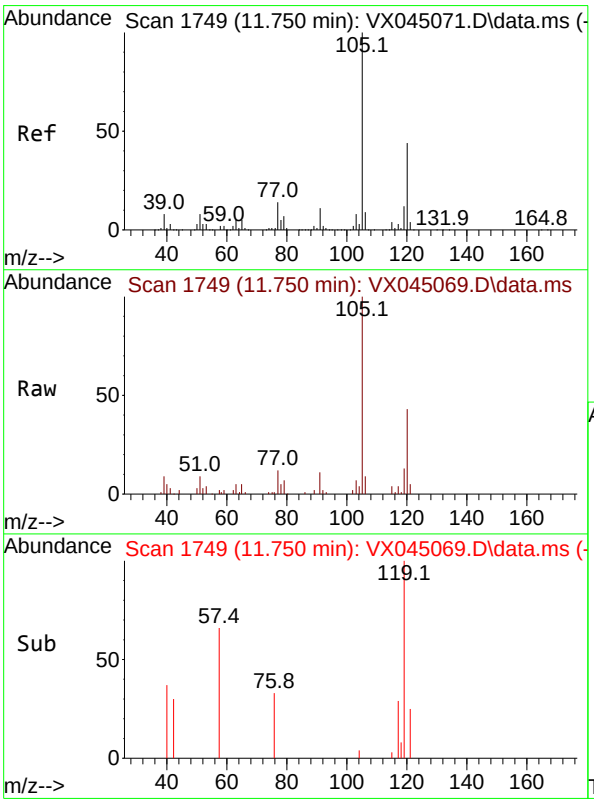
Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

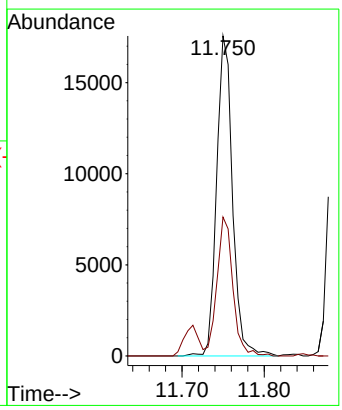
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

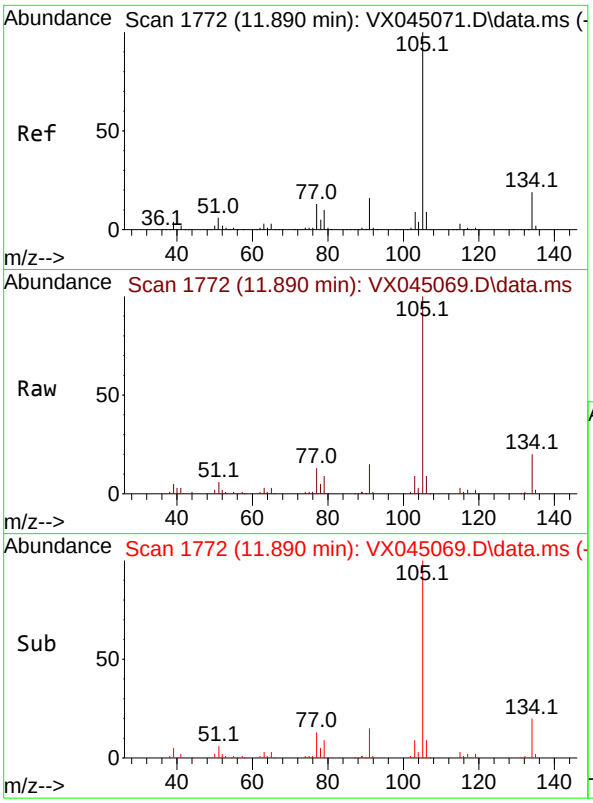


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

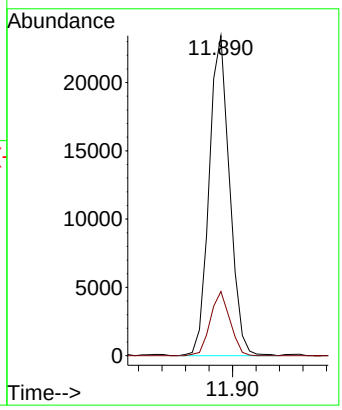




#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2831

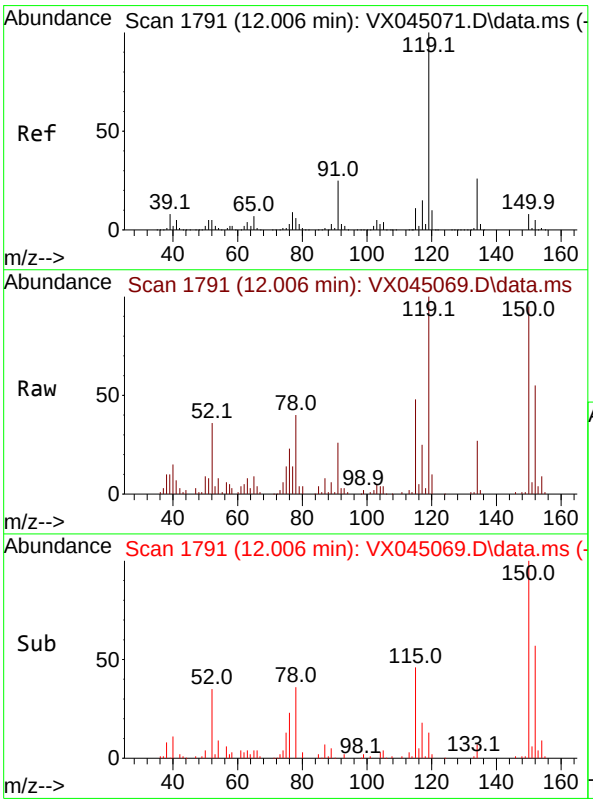
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

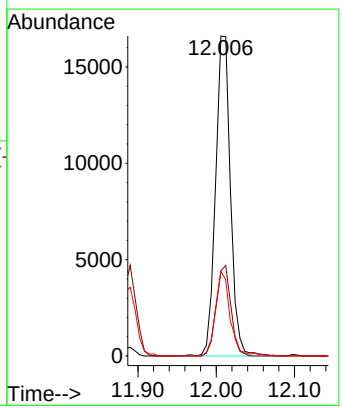
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

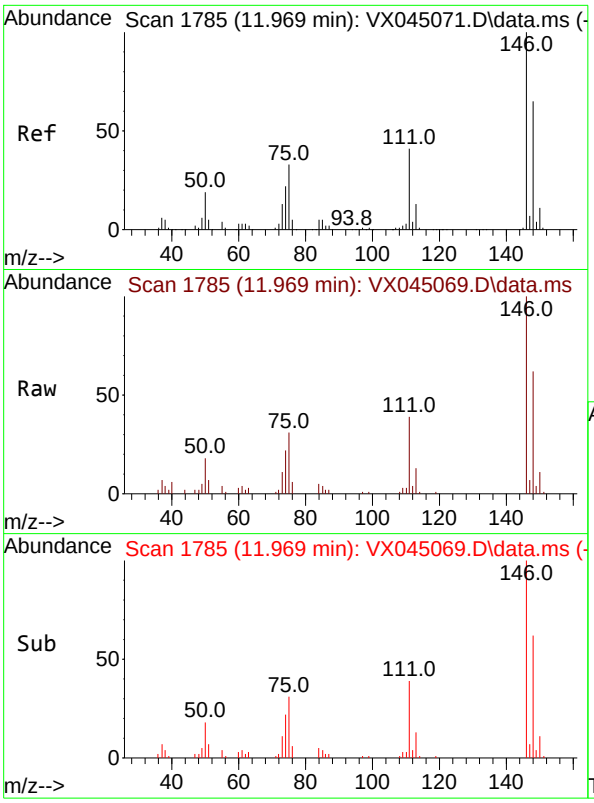


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0

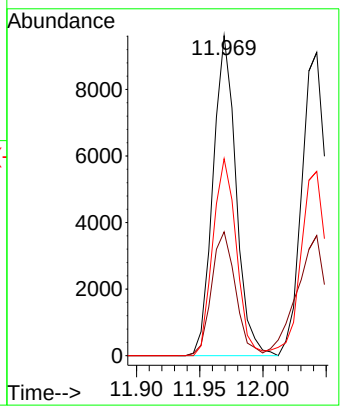




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

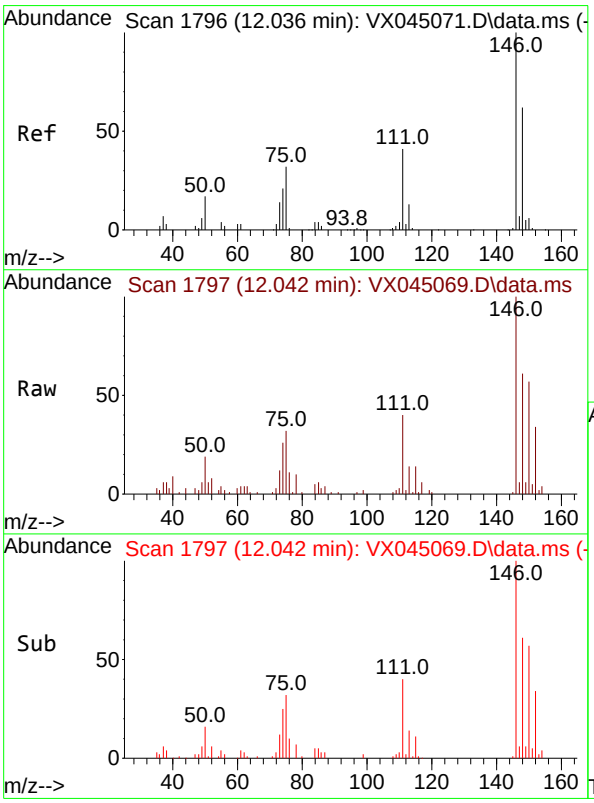
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

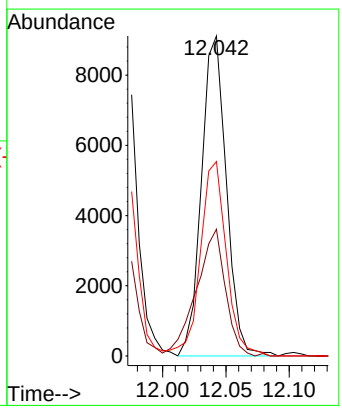
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

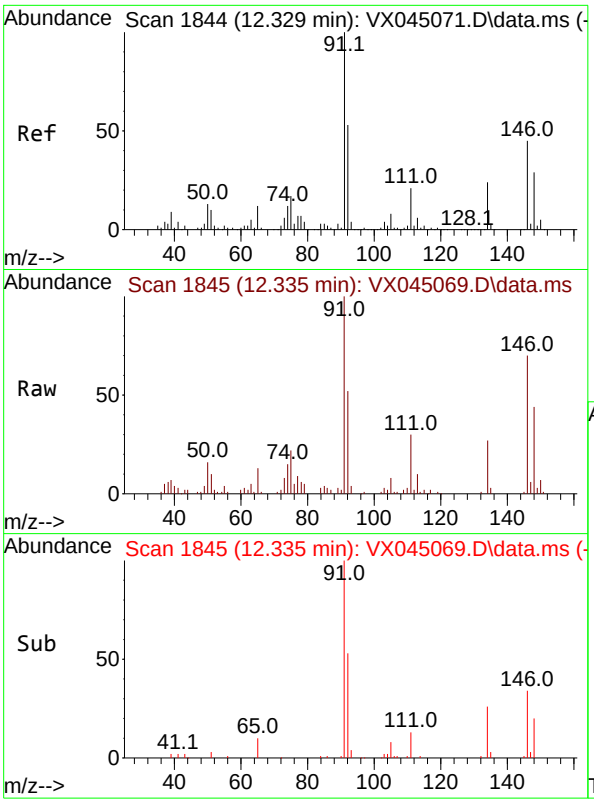


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9

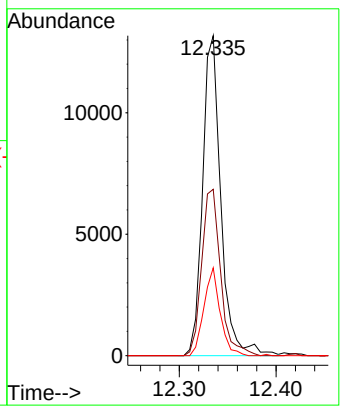




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

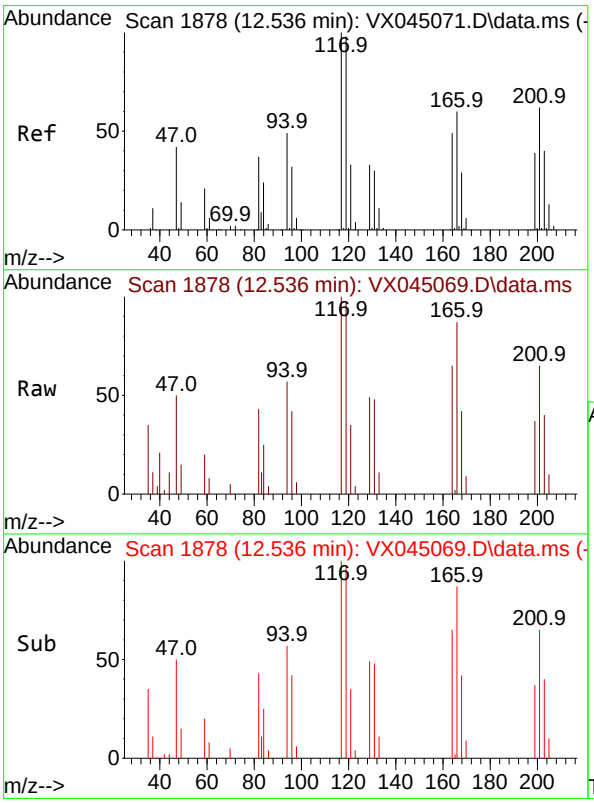
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

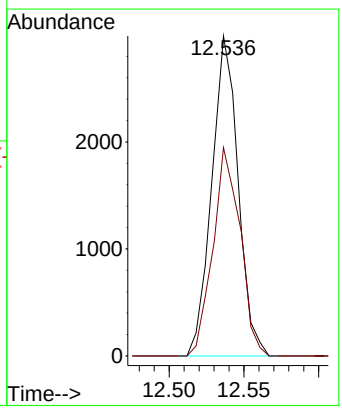
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

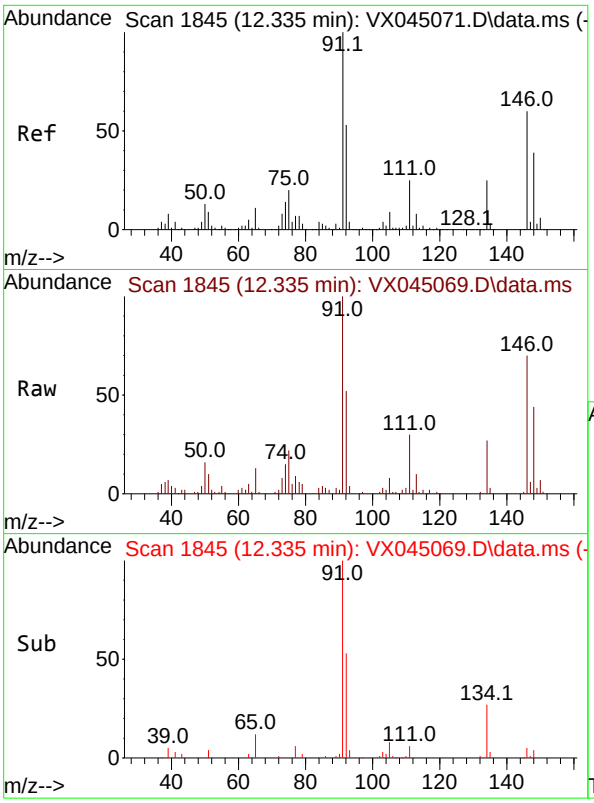


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

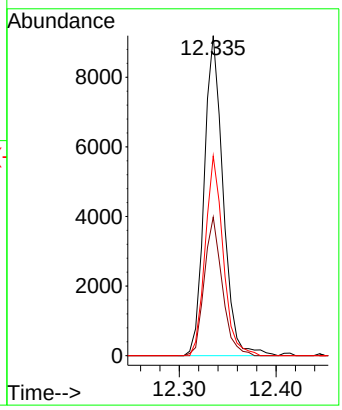




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

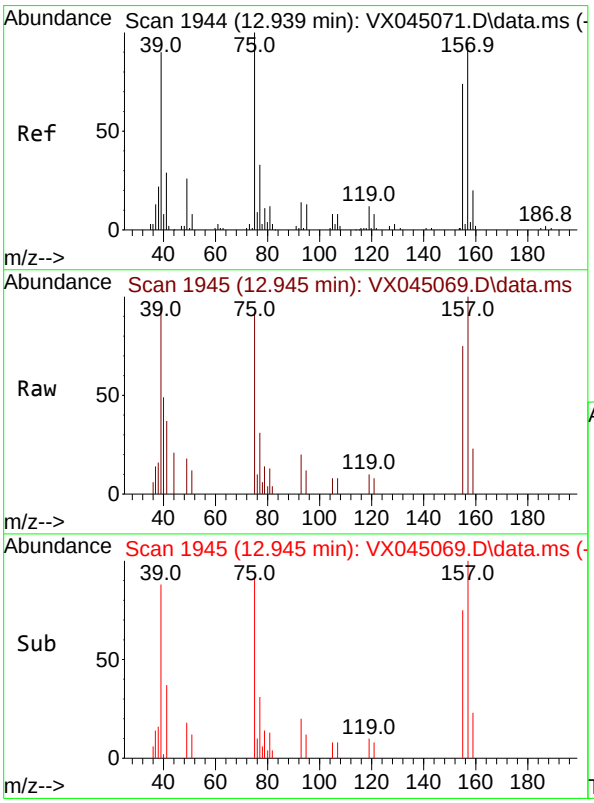
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

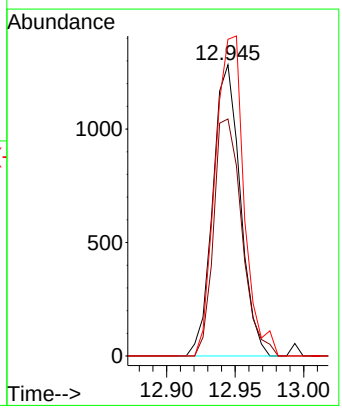
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

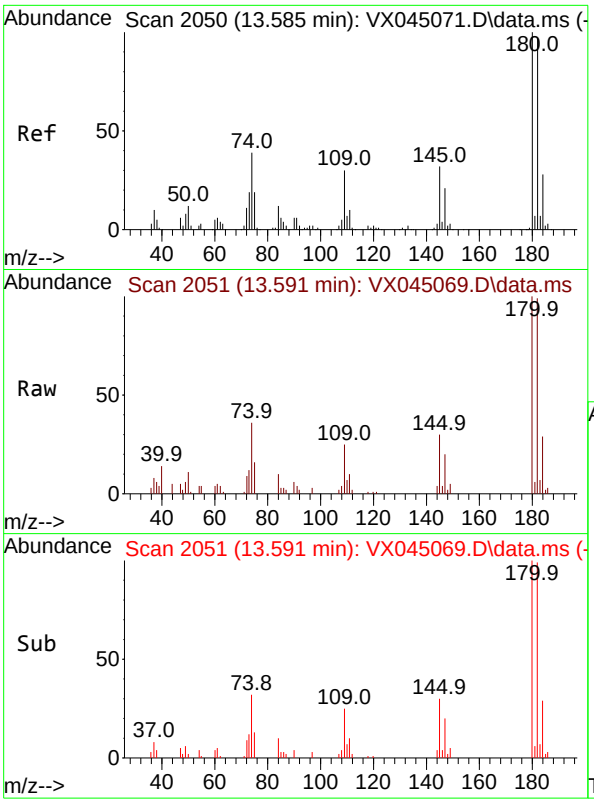


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4

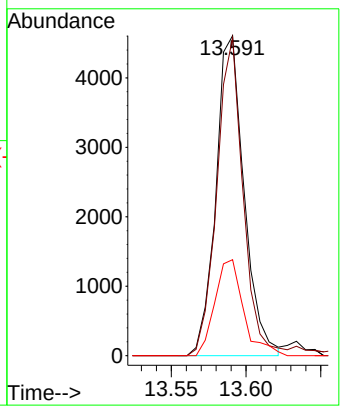




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

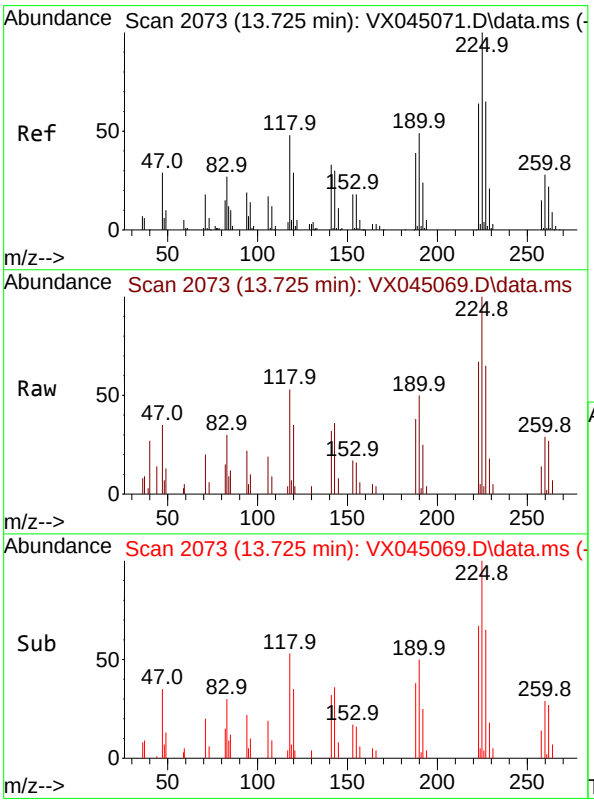
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

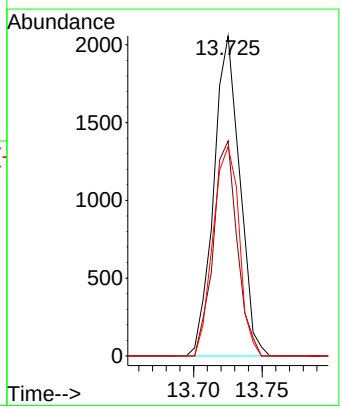
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

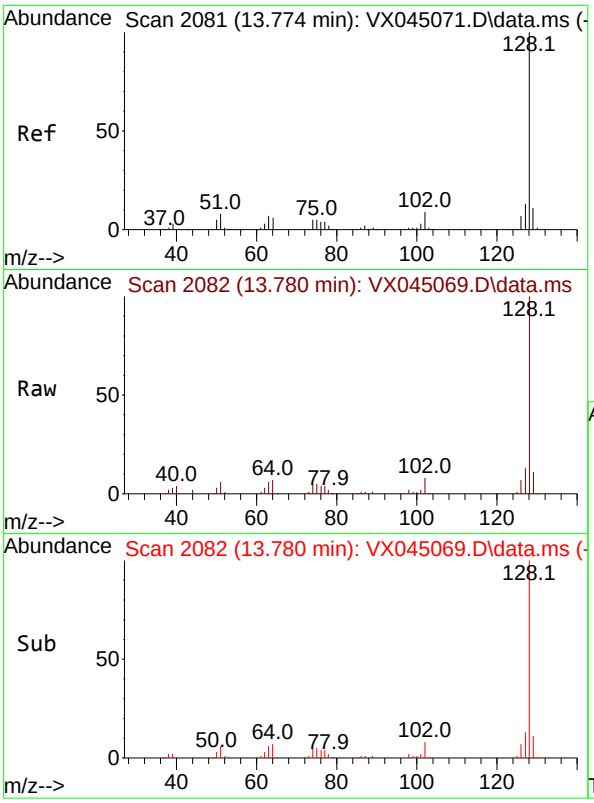


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0

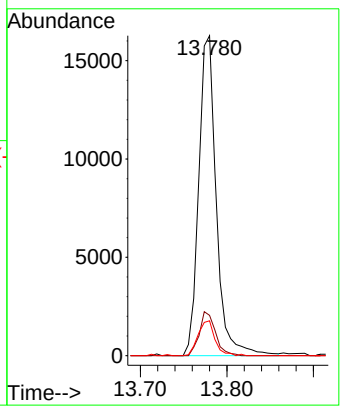




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

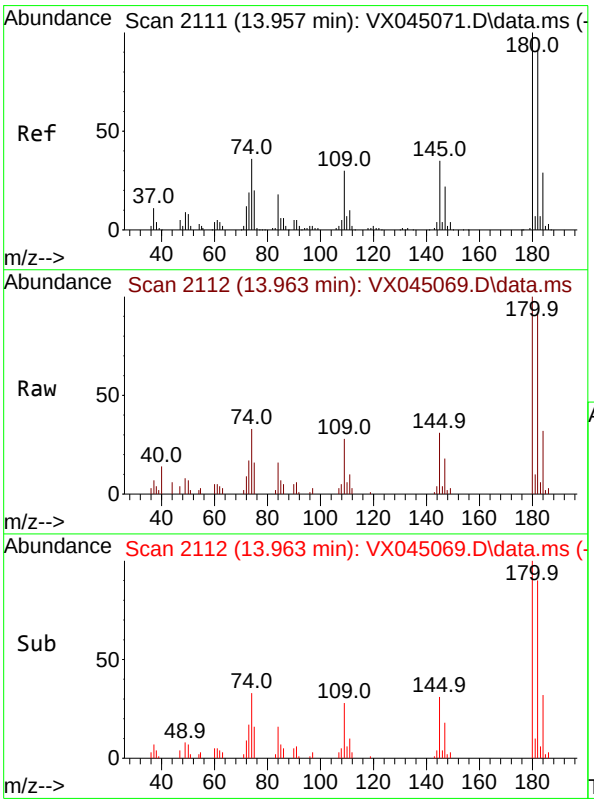
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

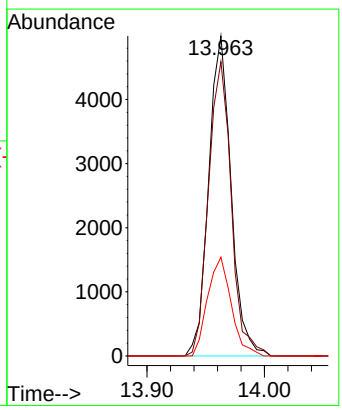
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.440%#		
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.940%#		
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.420%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l		
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

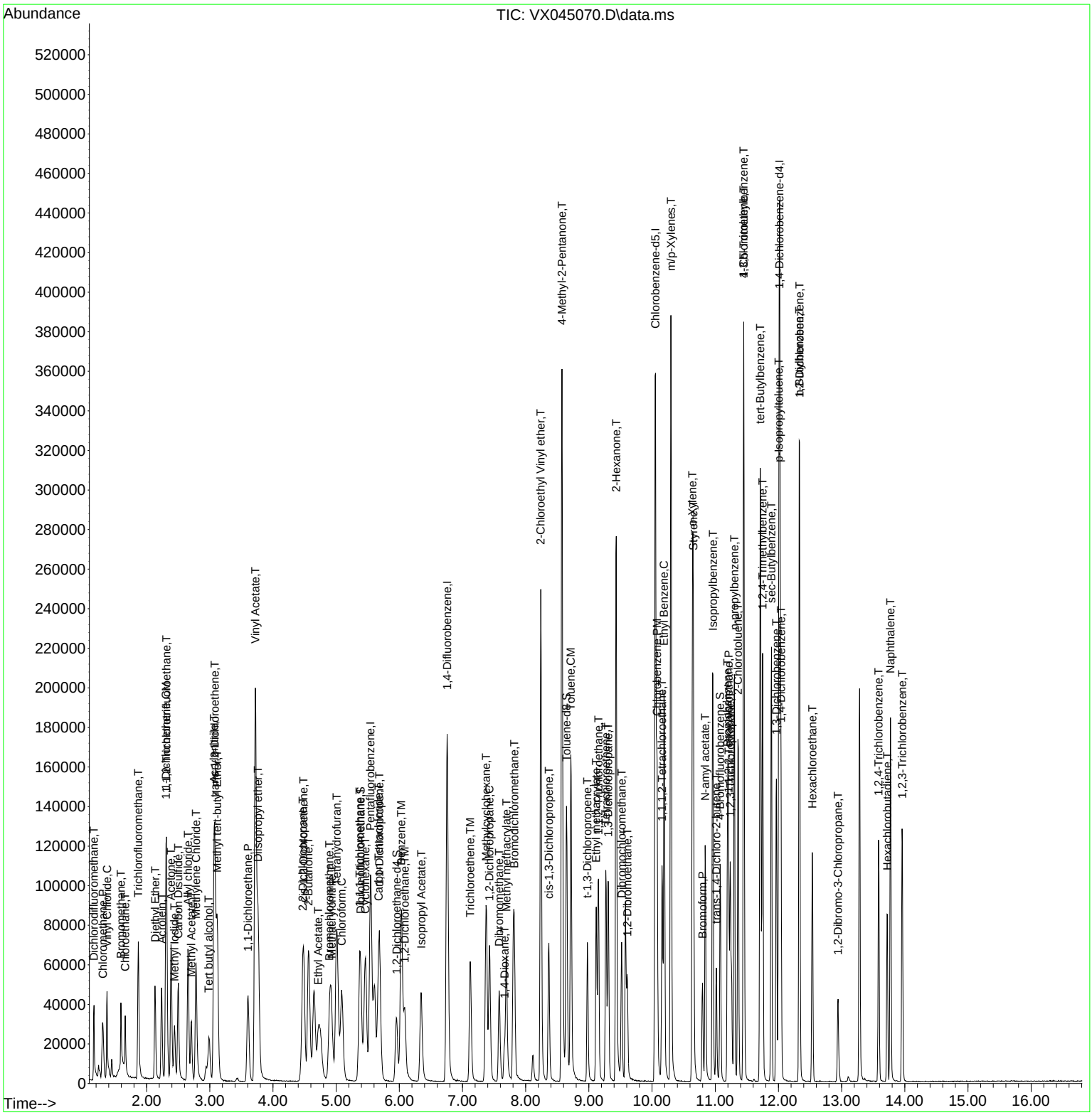
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

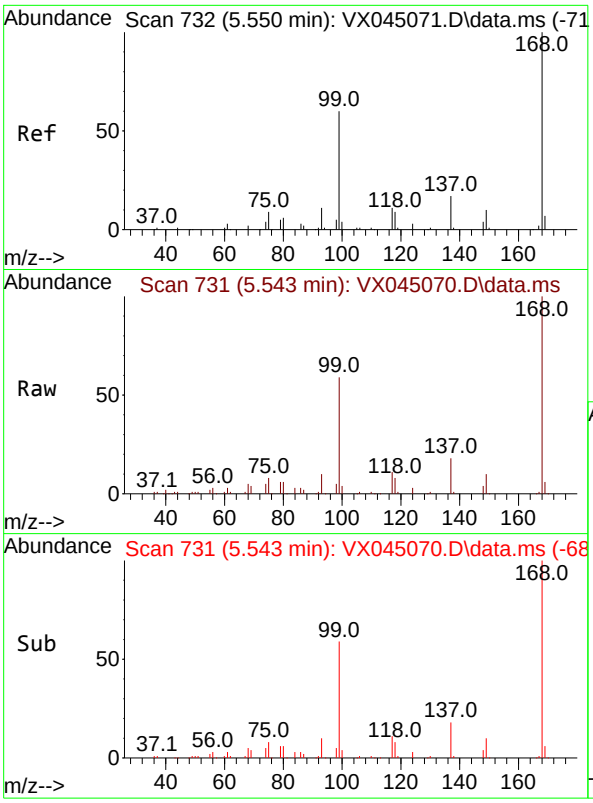
Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

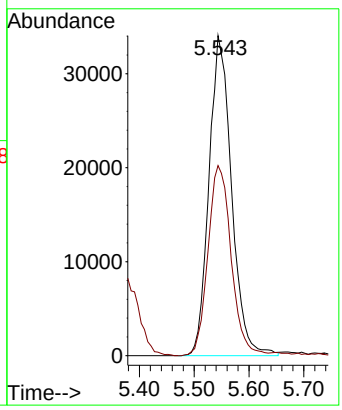




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

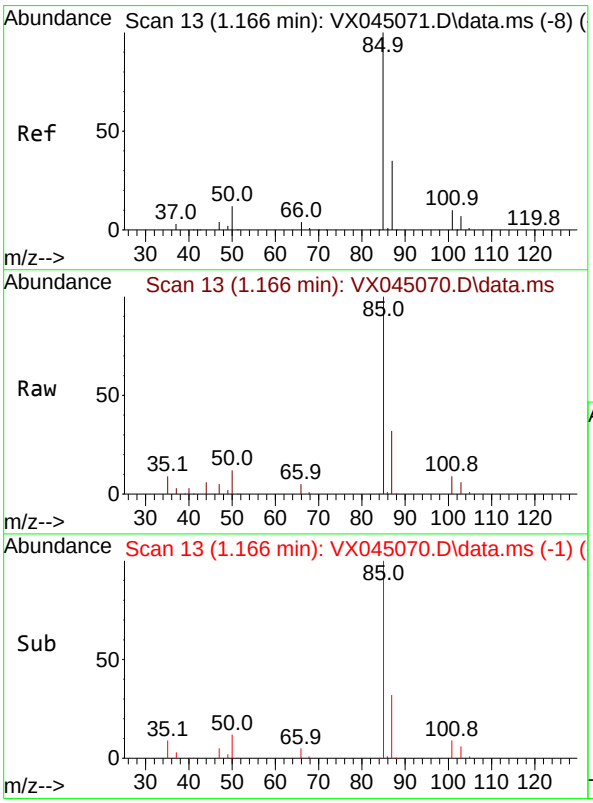
Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

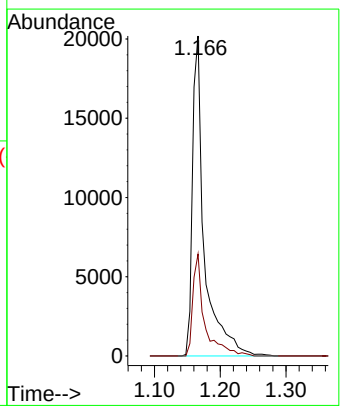
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

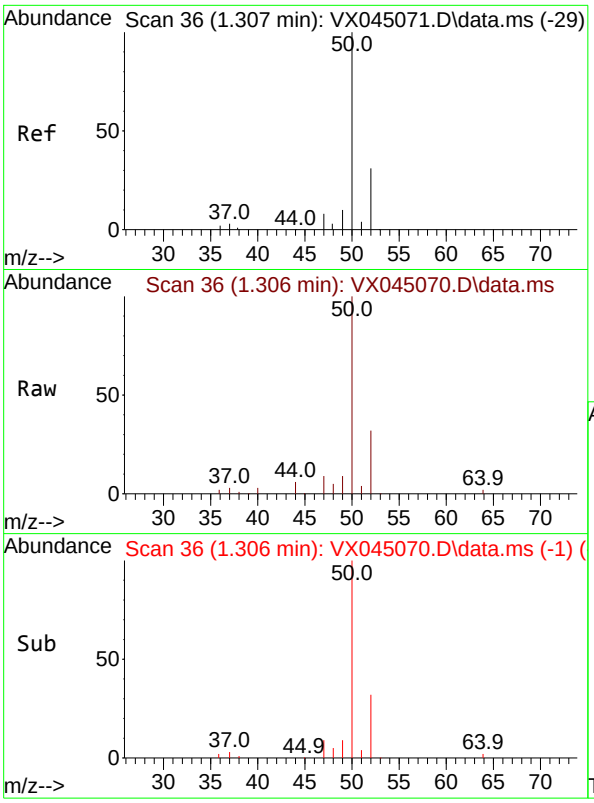


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

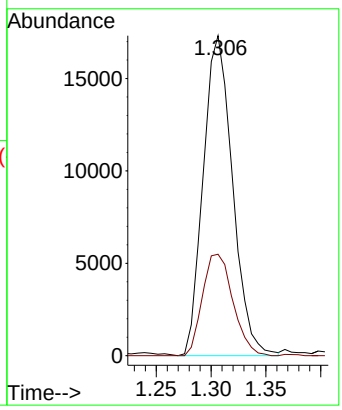




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

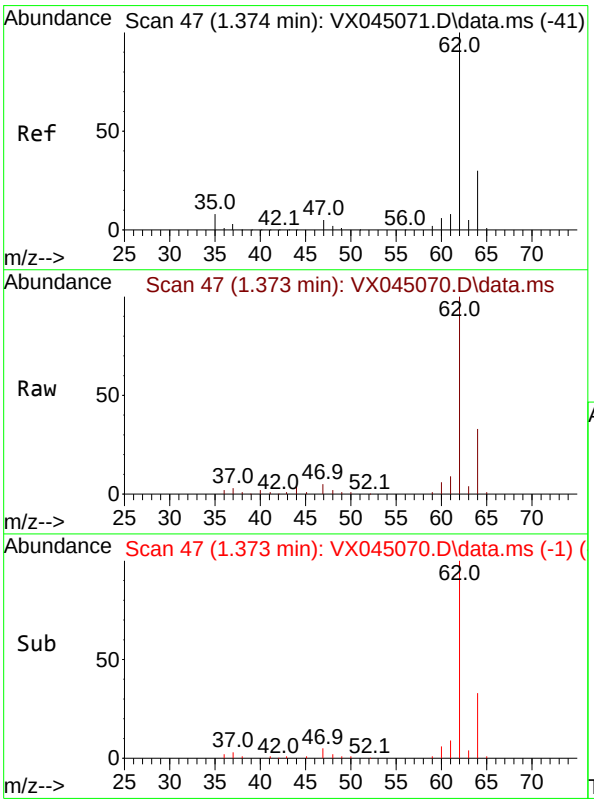
Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

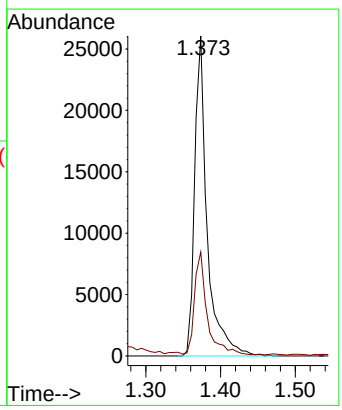
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

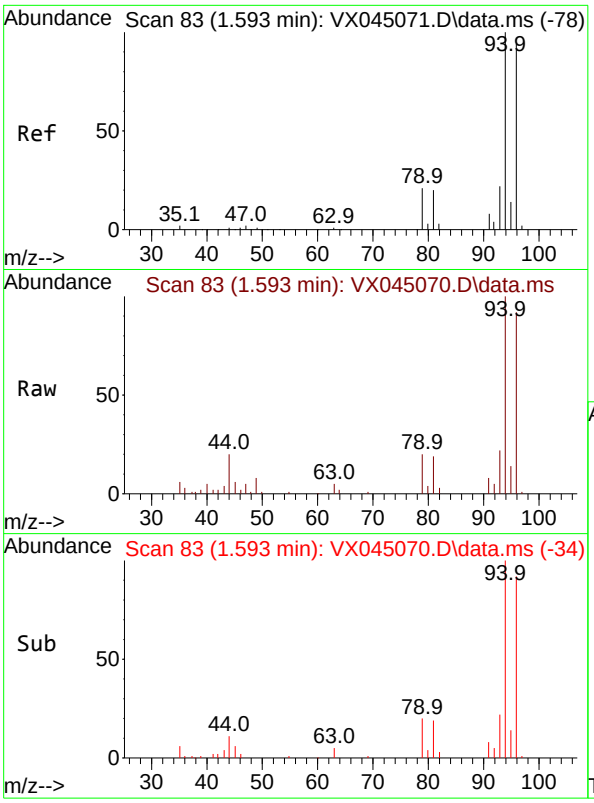


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

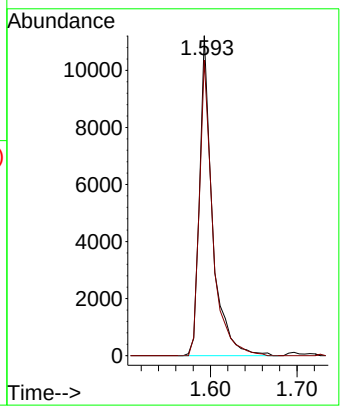




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

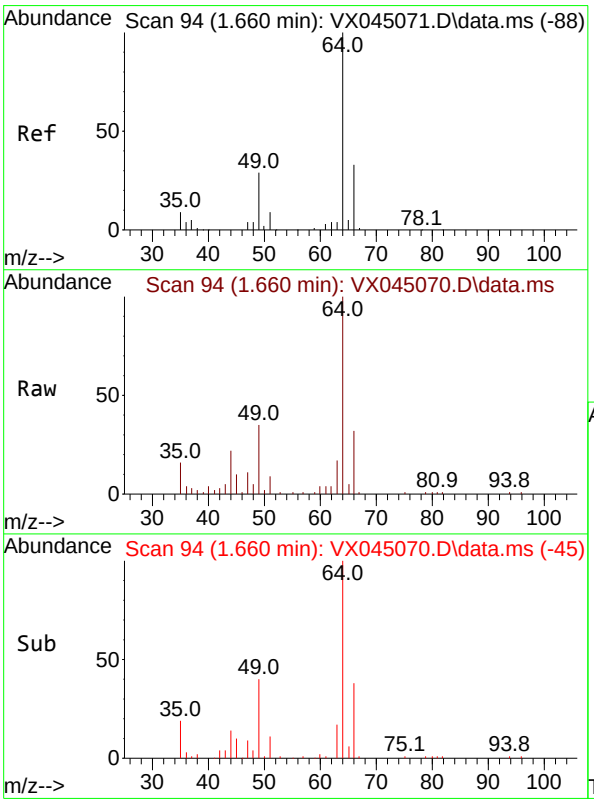
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

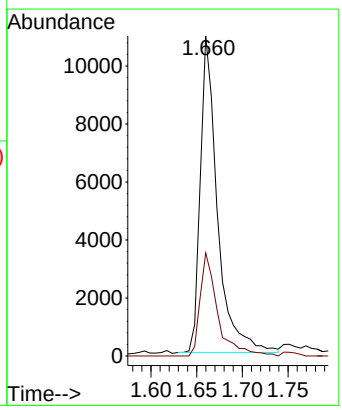
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

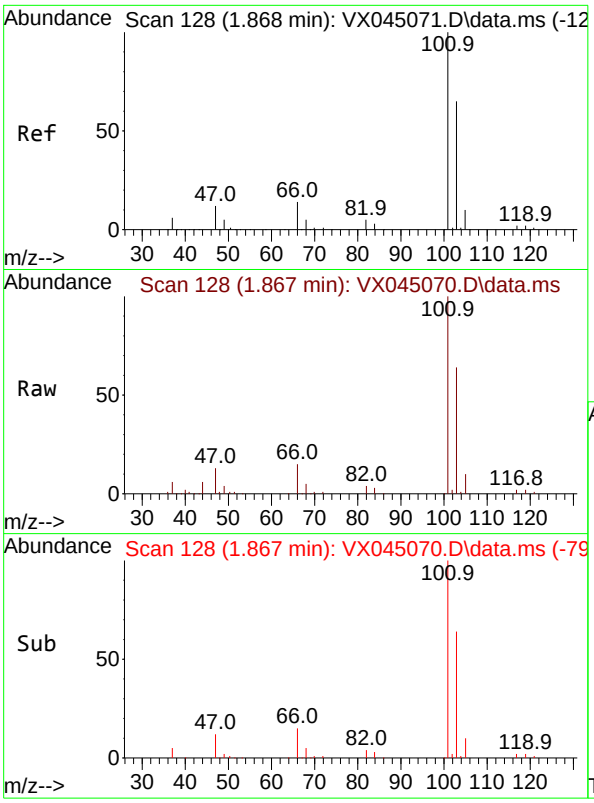


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

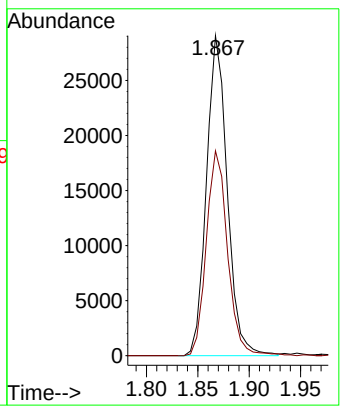




#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 4088

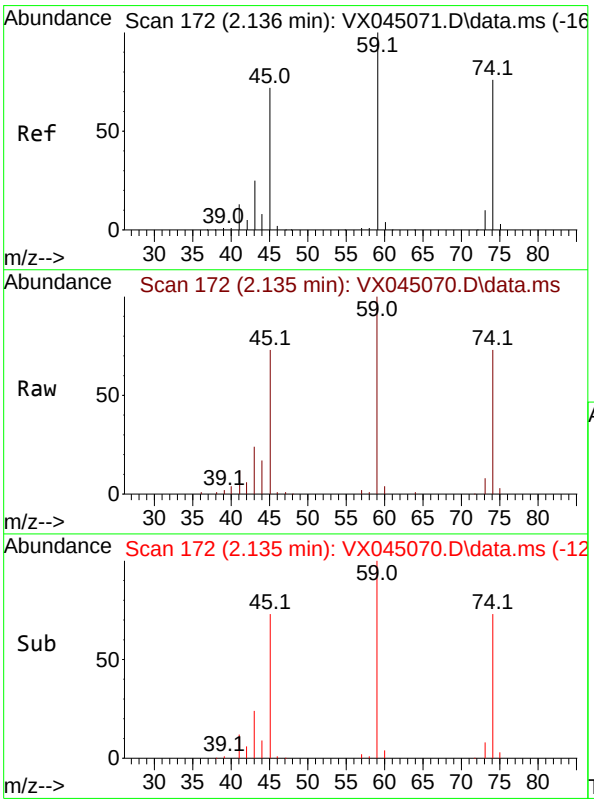
Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

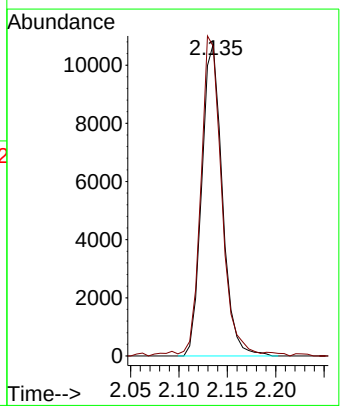
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

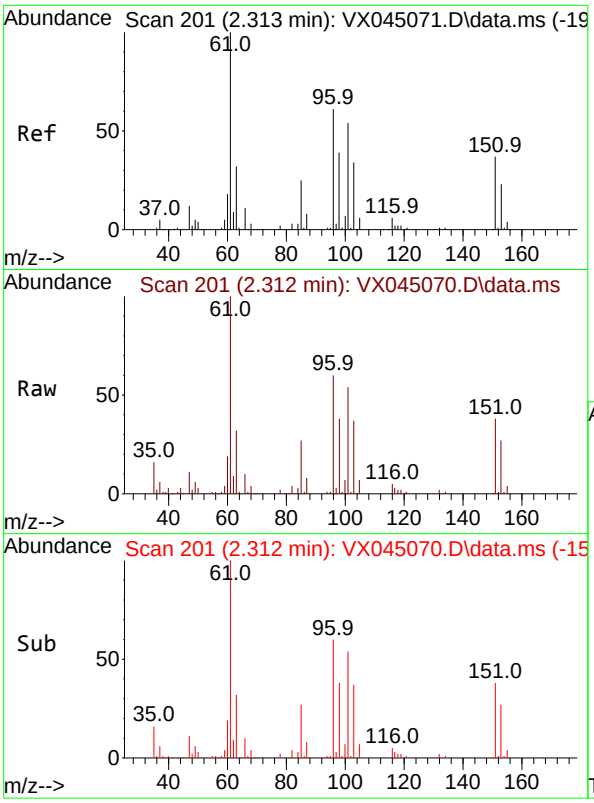


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5

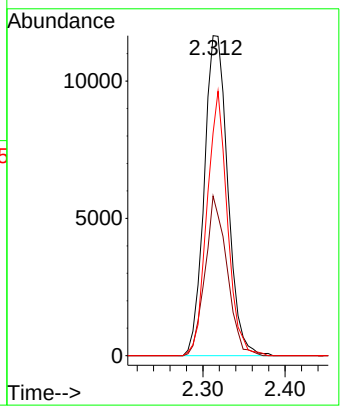




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 2315

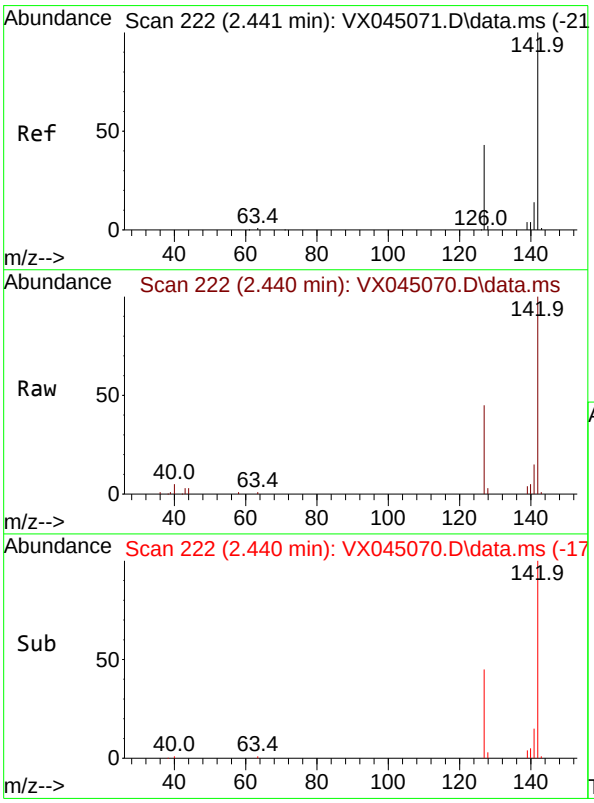
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

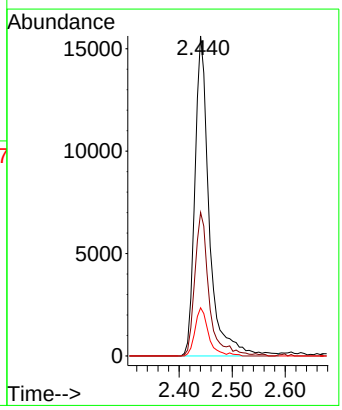
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

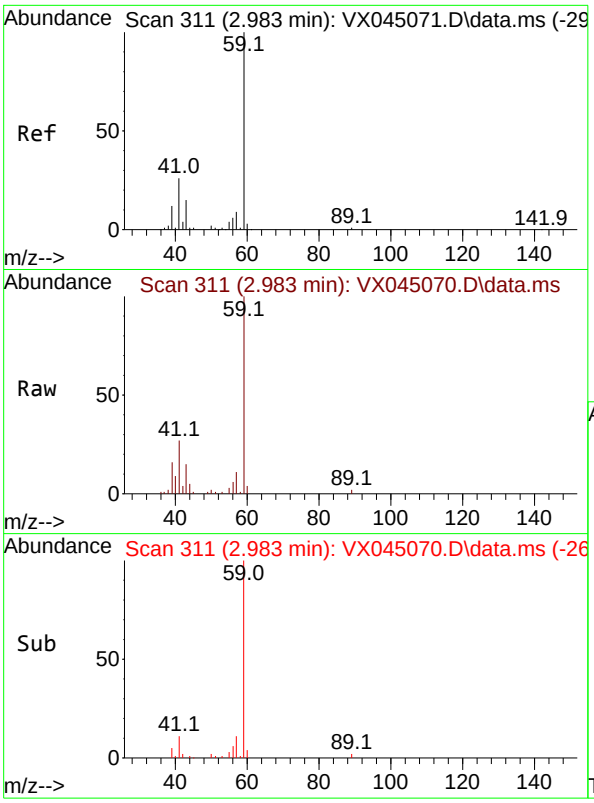


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4

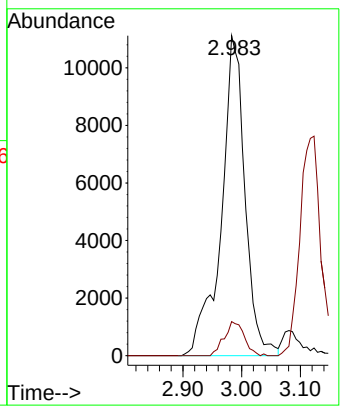




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

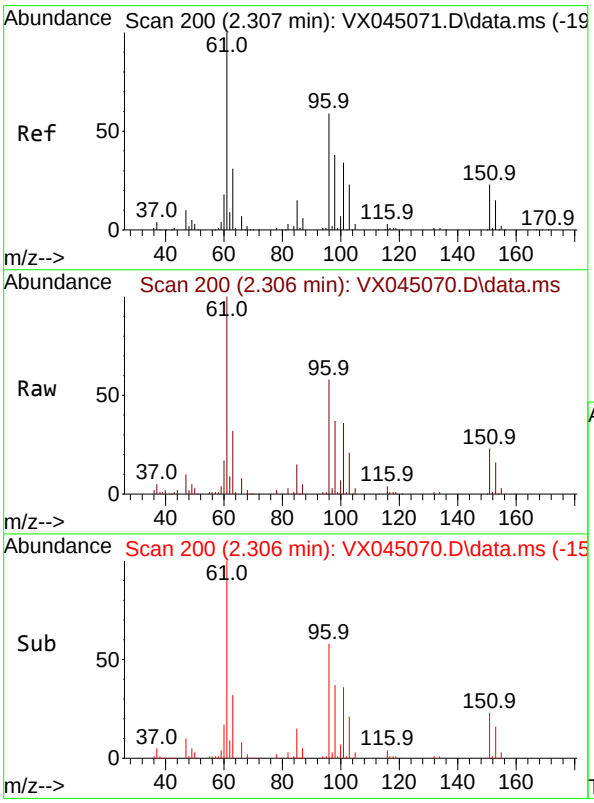
Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

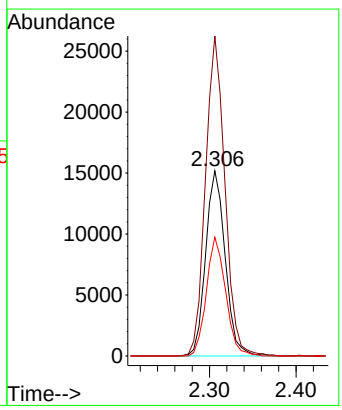
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

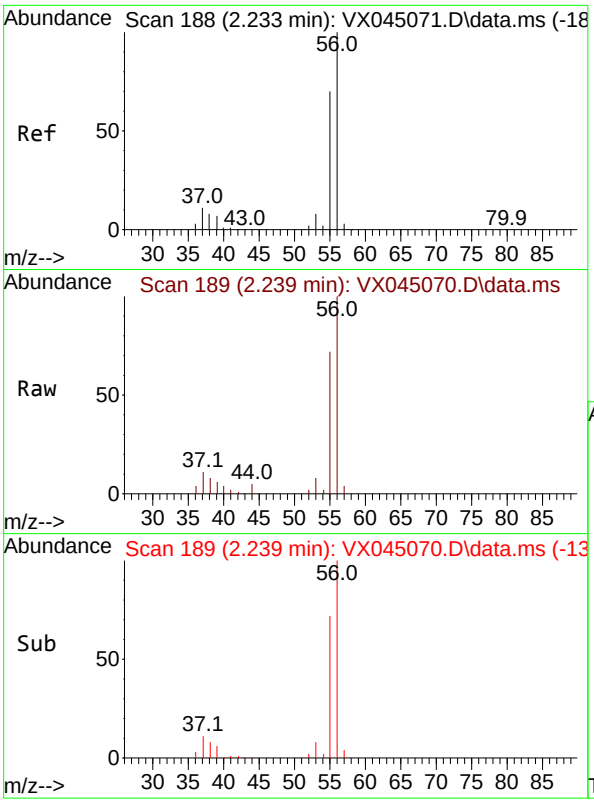


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6

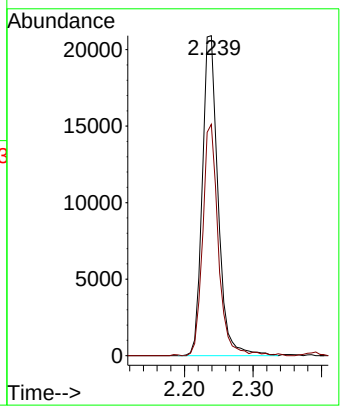




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

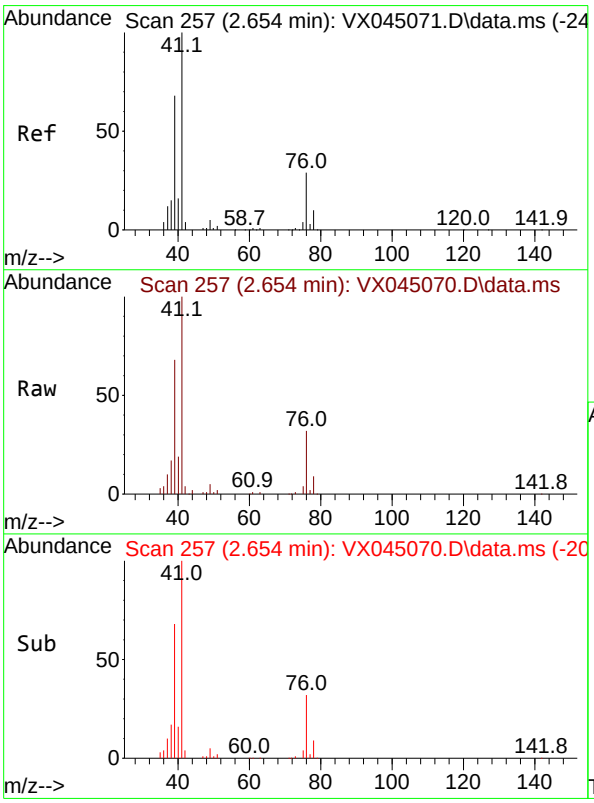
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

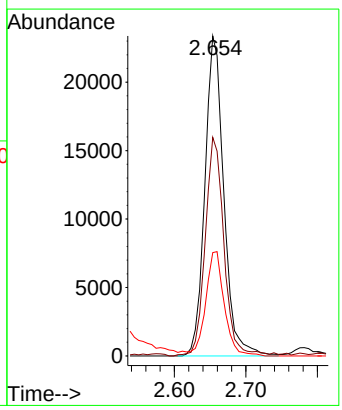
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

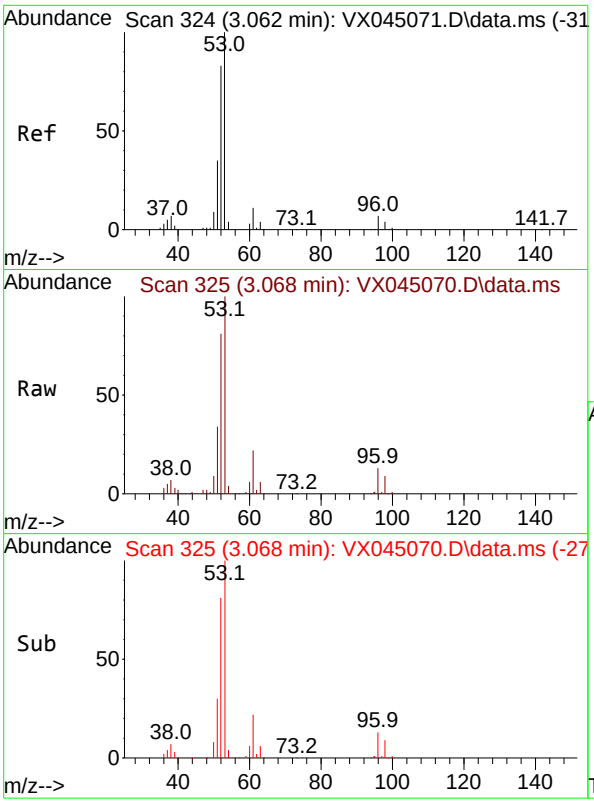


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8

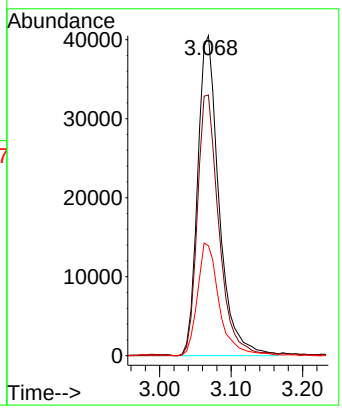




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

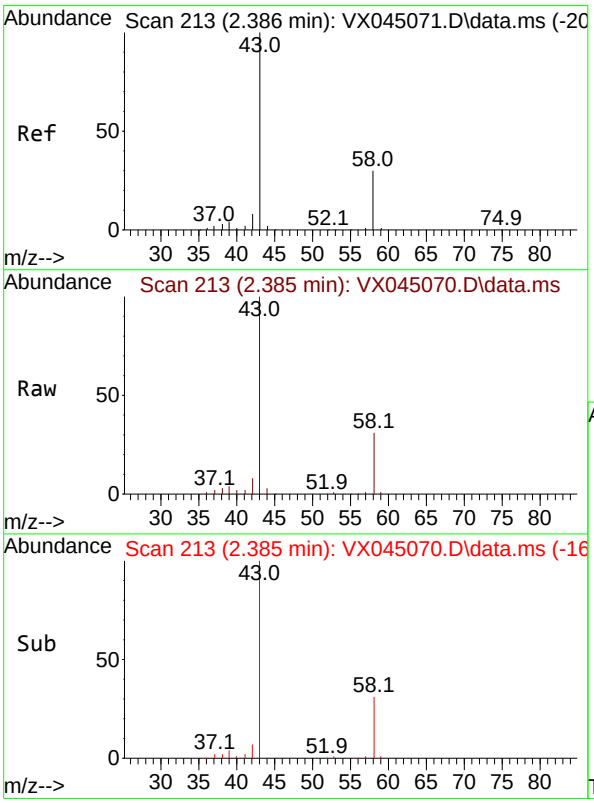
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

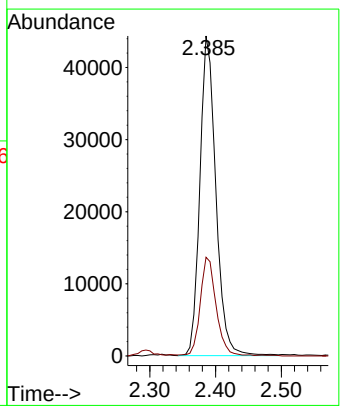
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

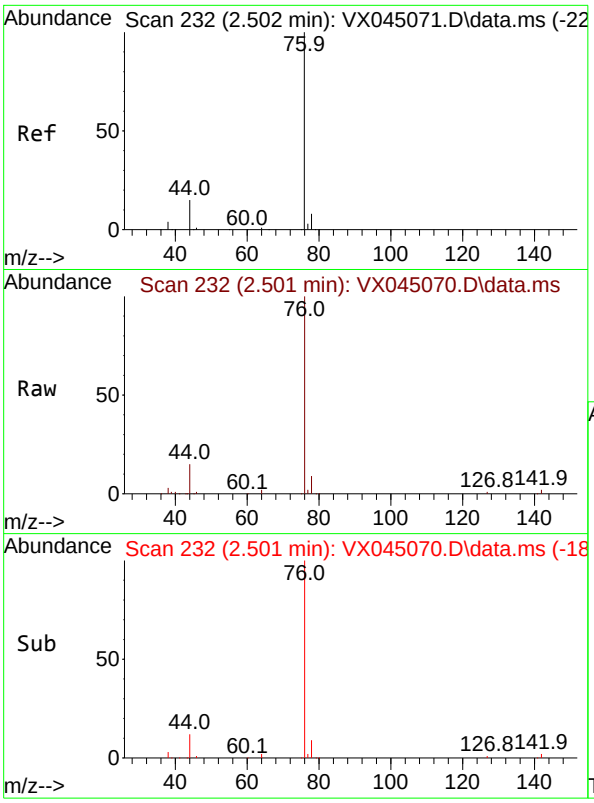


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4

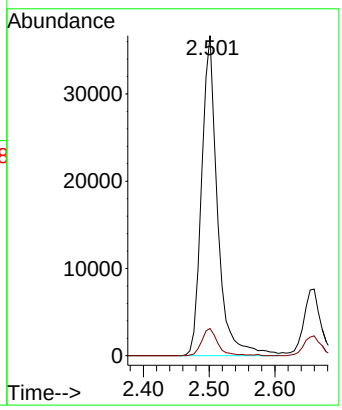




#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 6180

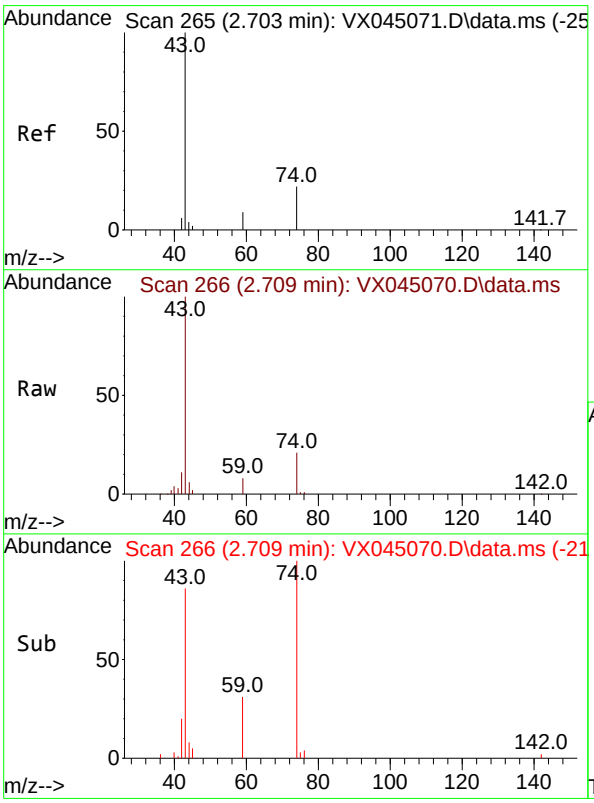
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

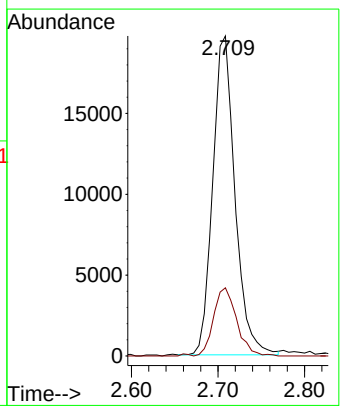
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

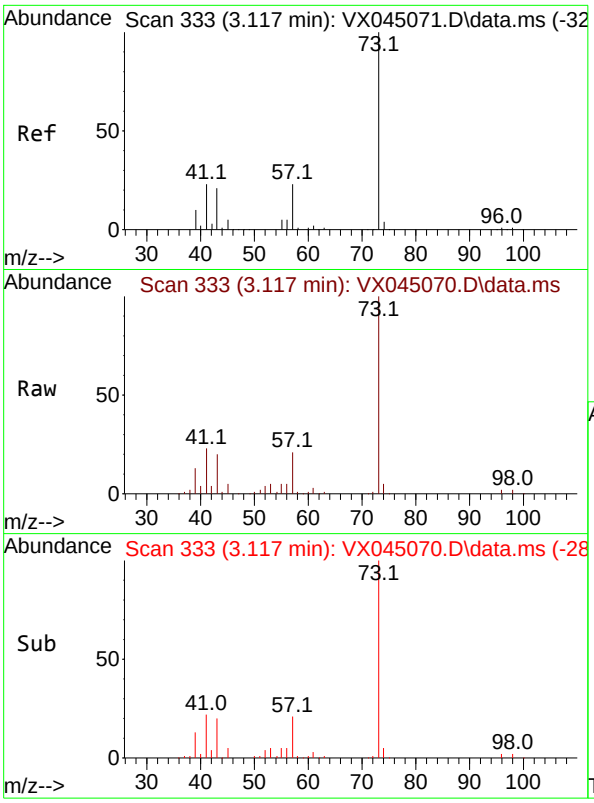


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

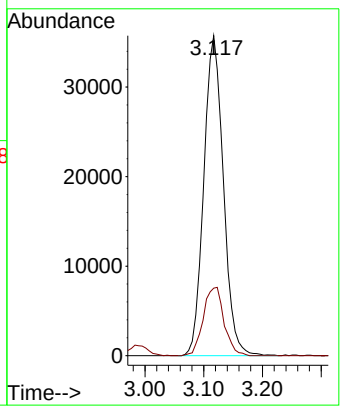




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

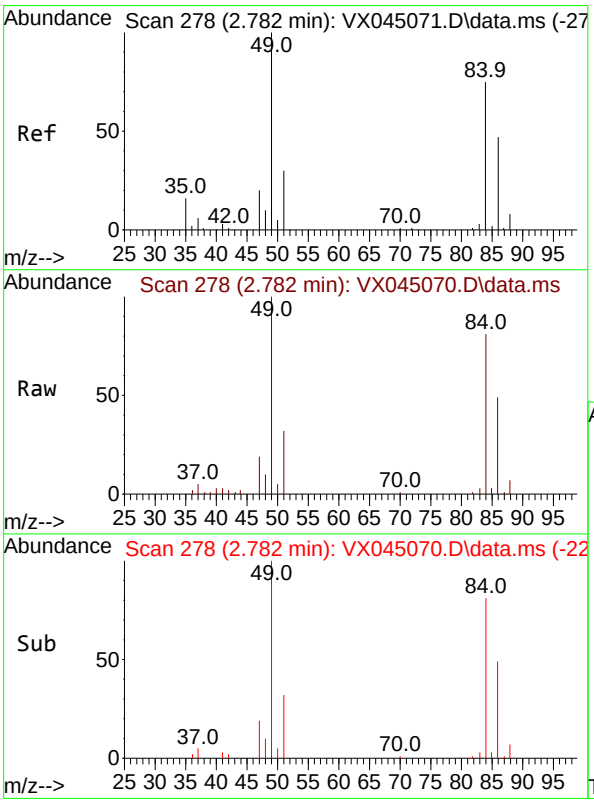
Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

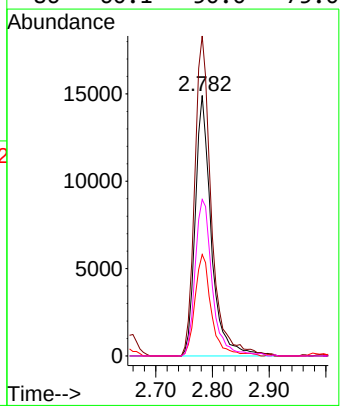
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

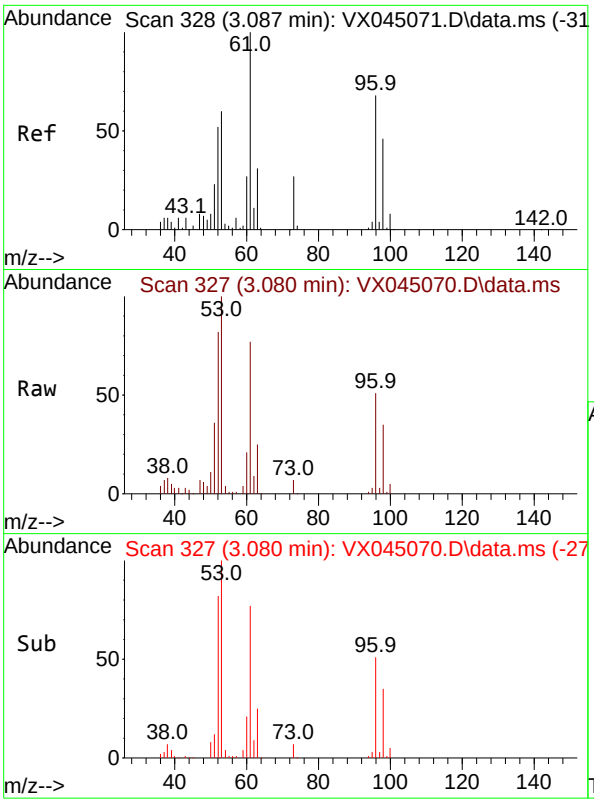


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0

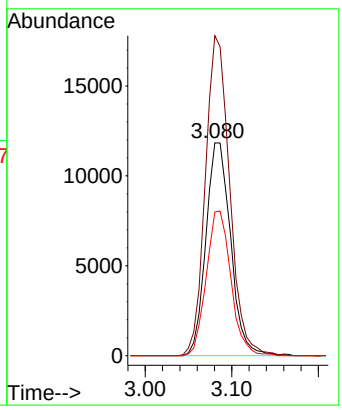




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2347

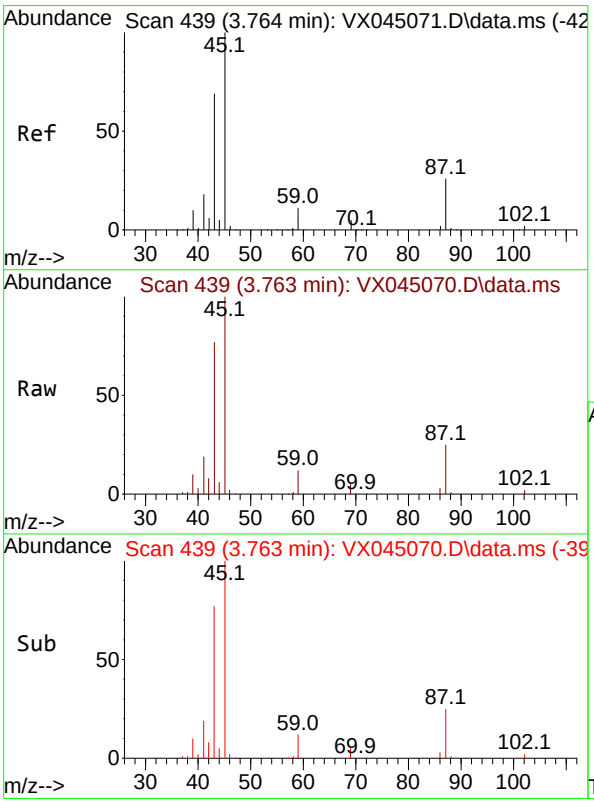
Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

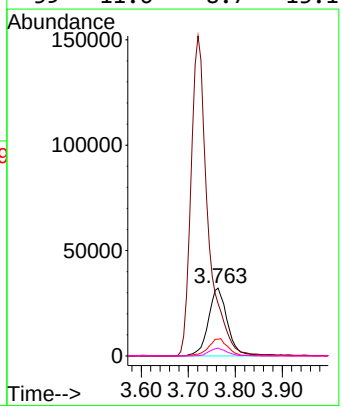
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

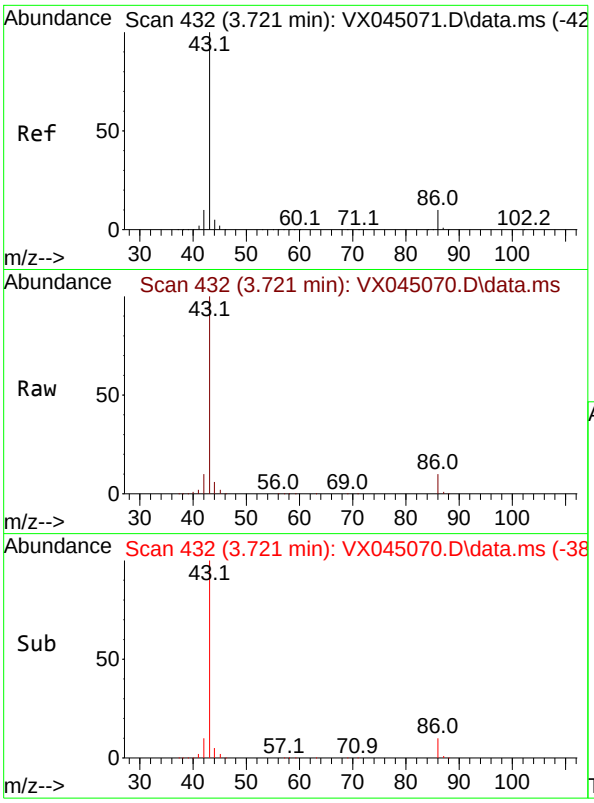


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

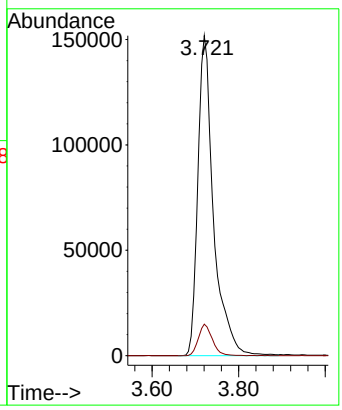
Tgt Ion: 43 Resp: 38180

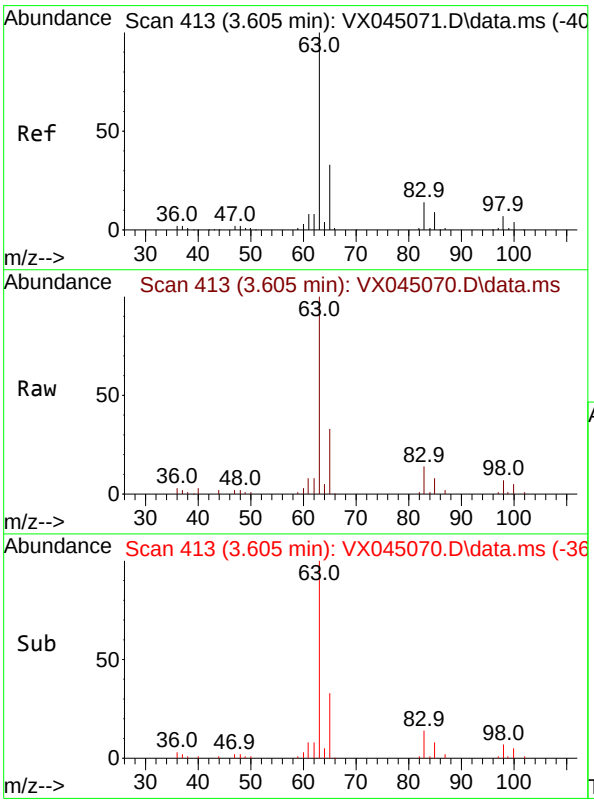
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

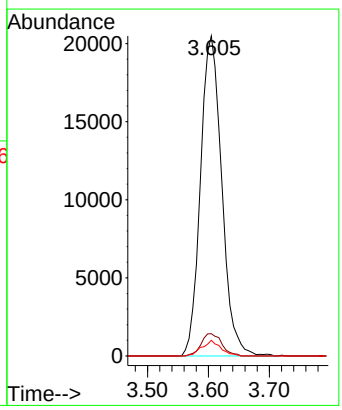


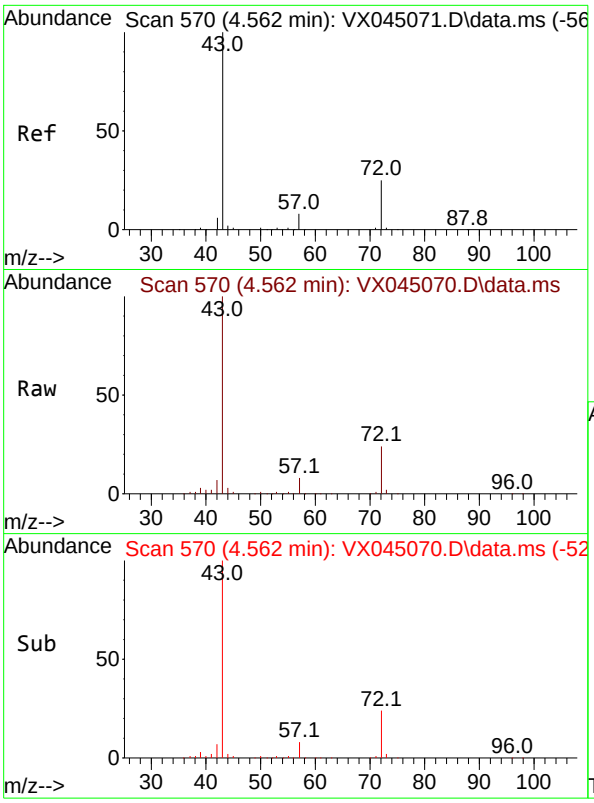


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

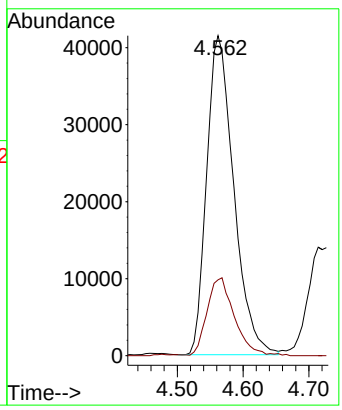
Tgt Ion: 43 Resp: 11871

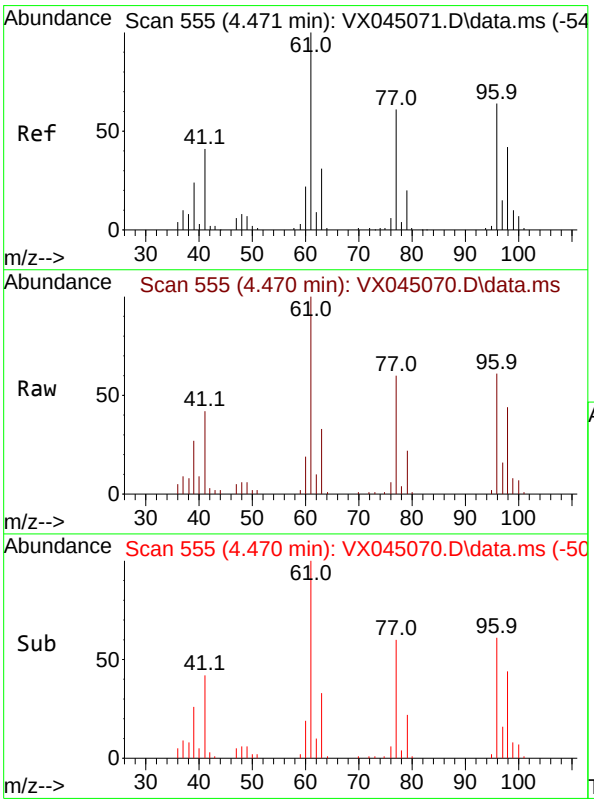
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

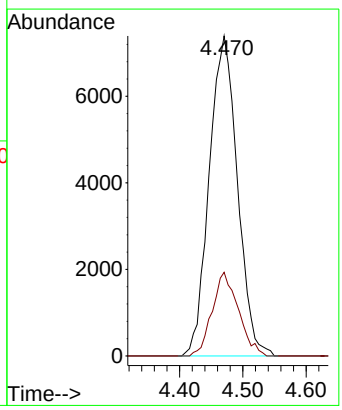


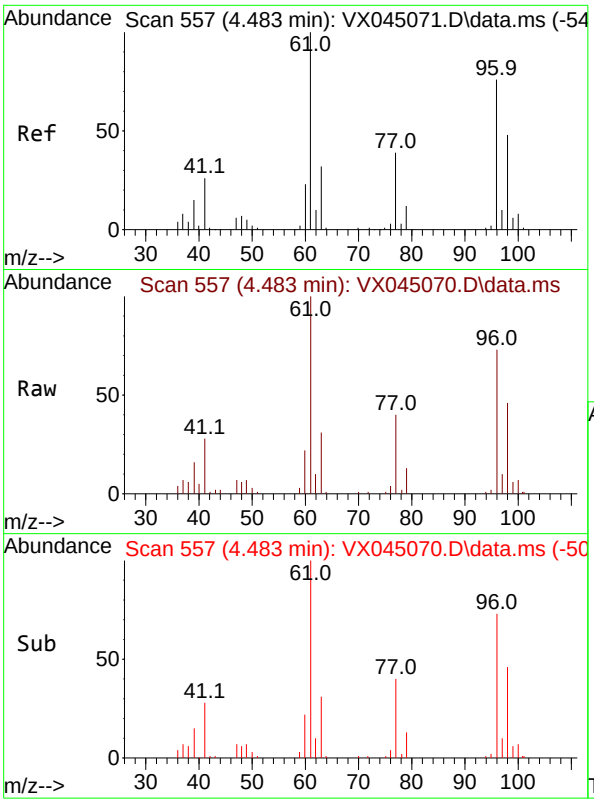


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

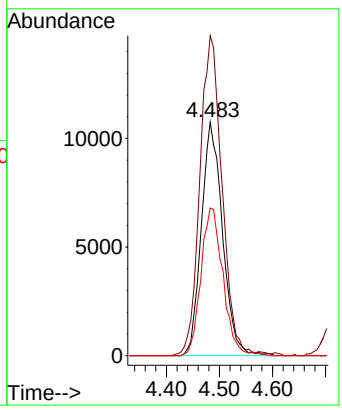




#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2978

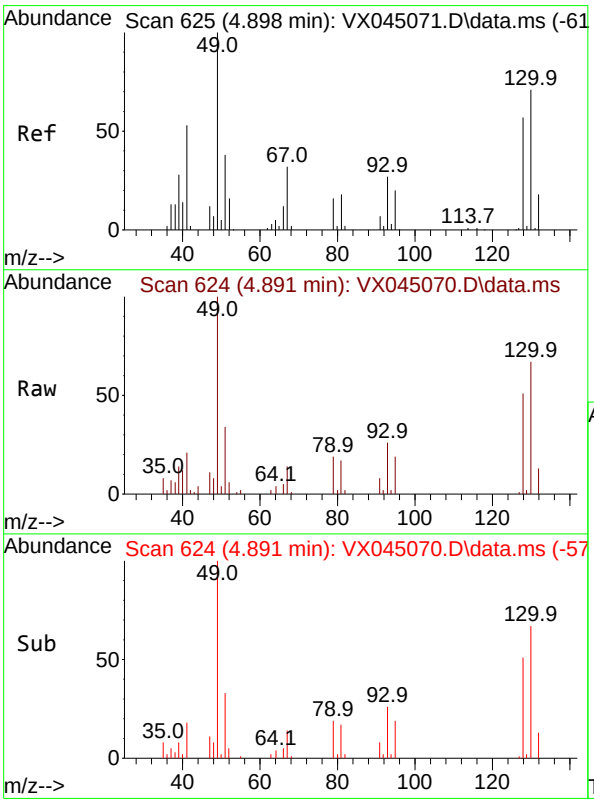
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

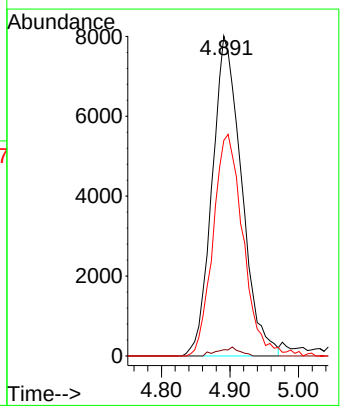
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

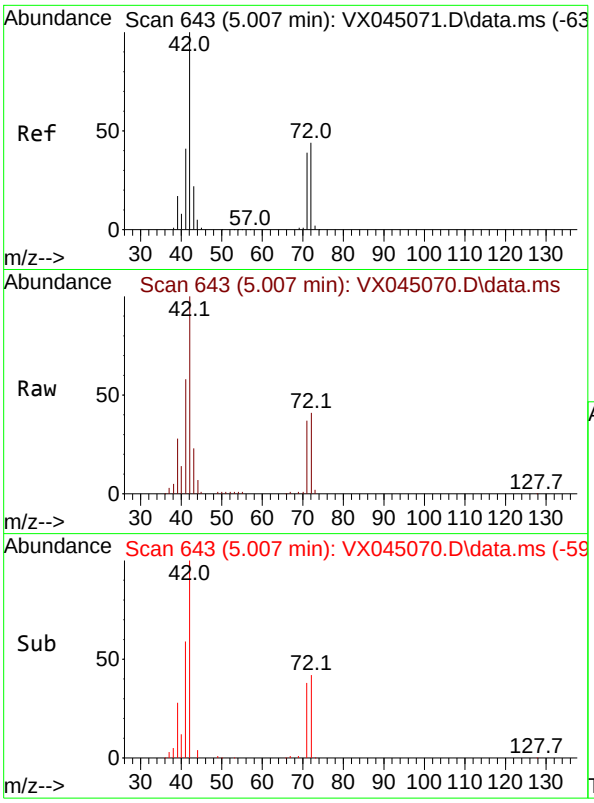


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

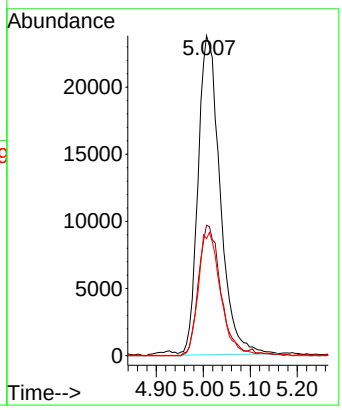
Tgt Ion: 42 Resp: 7743

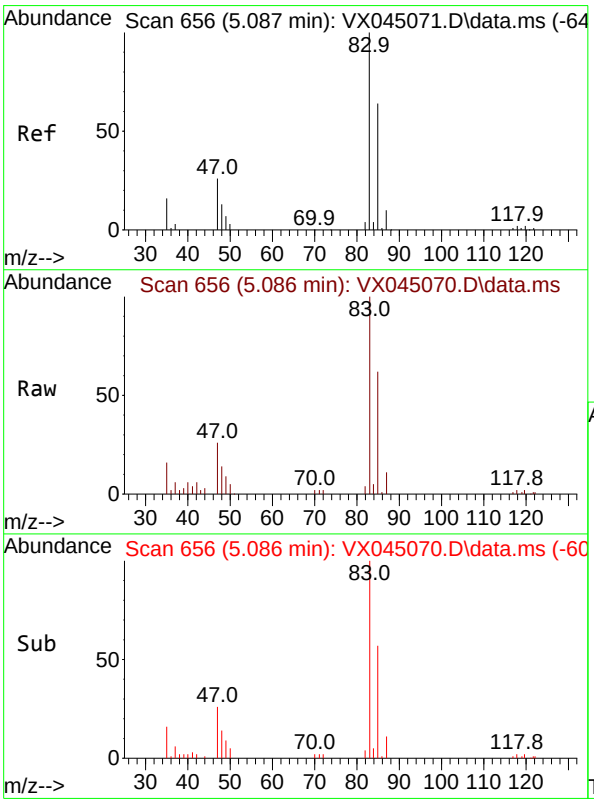
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

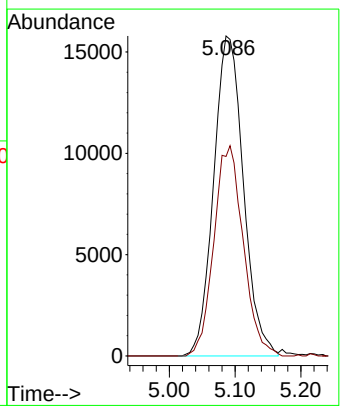


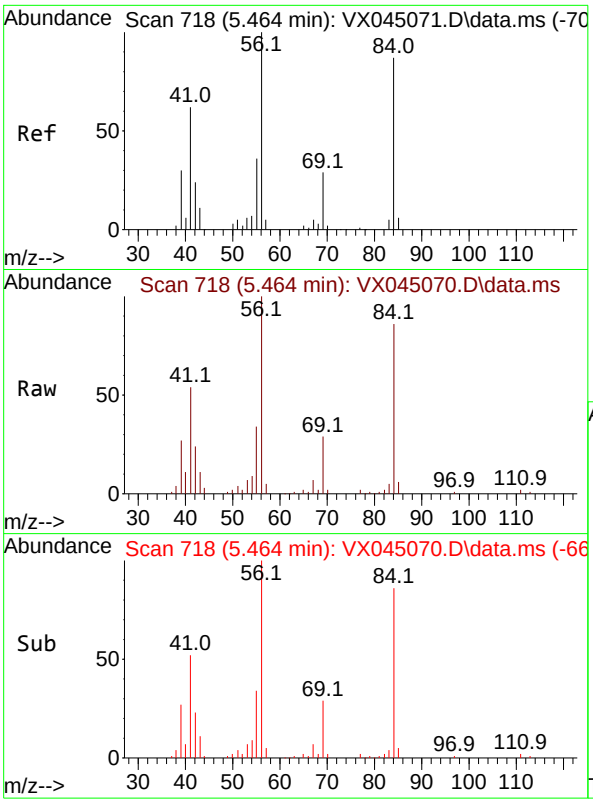


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

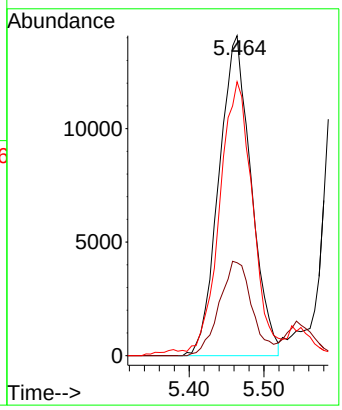




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

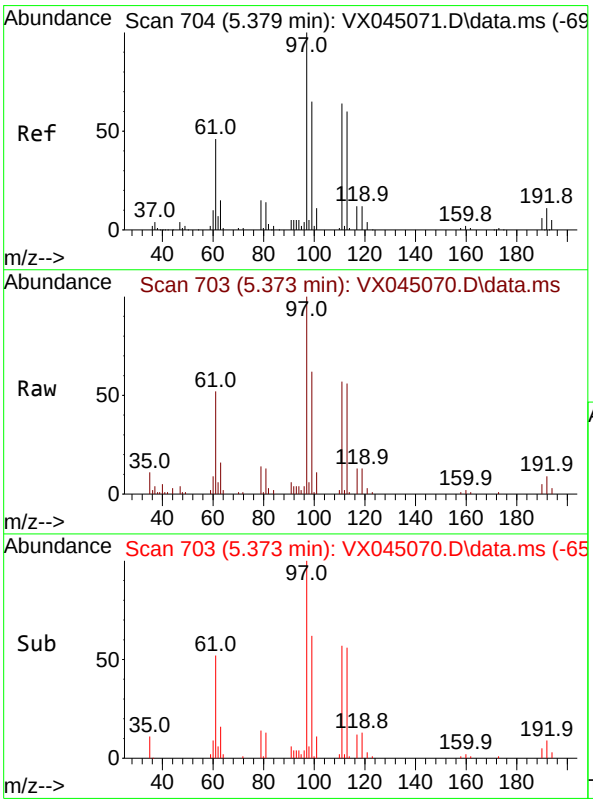
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

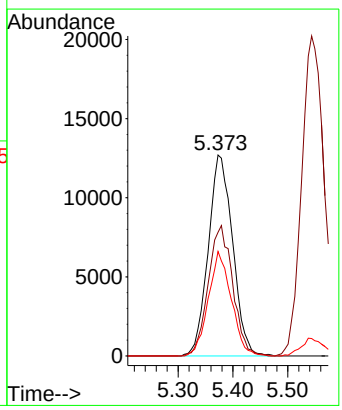
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

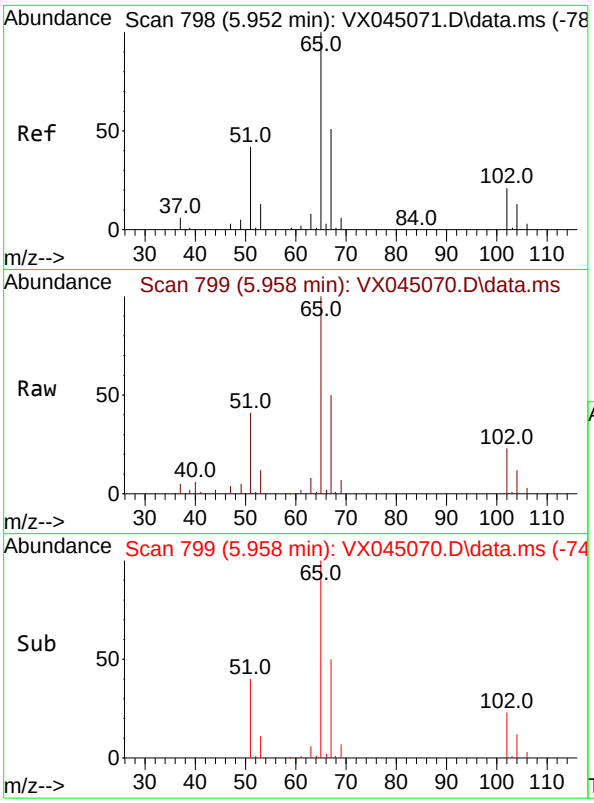


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6

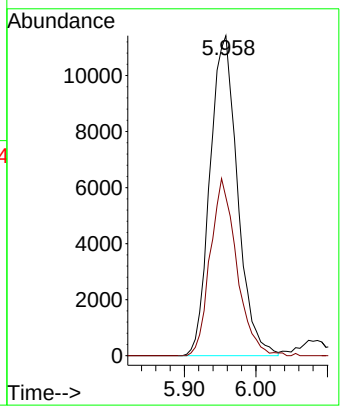




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

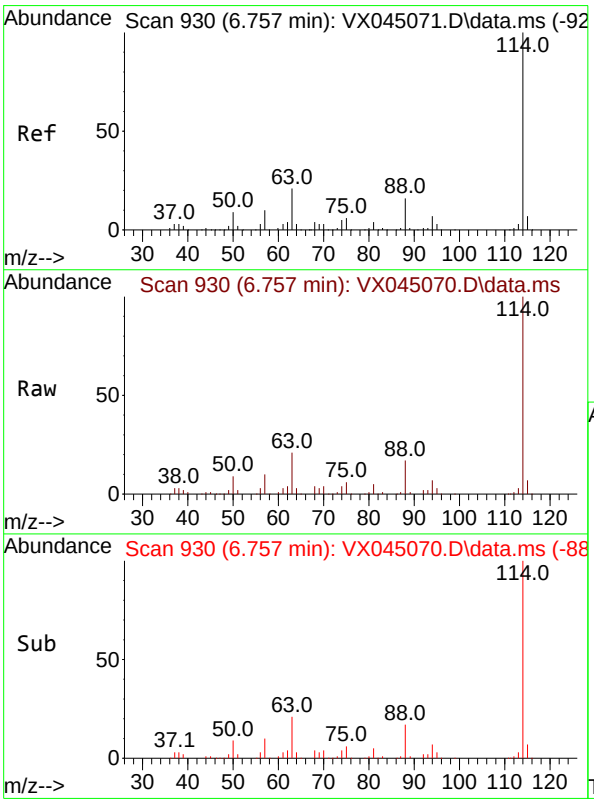
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

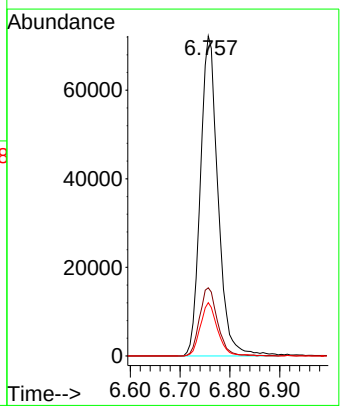
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

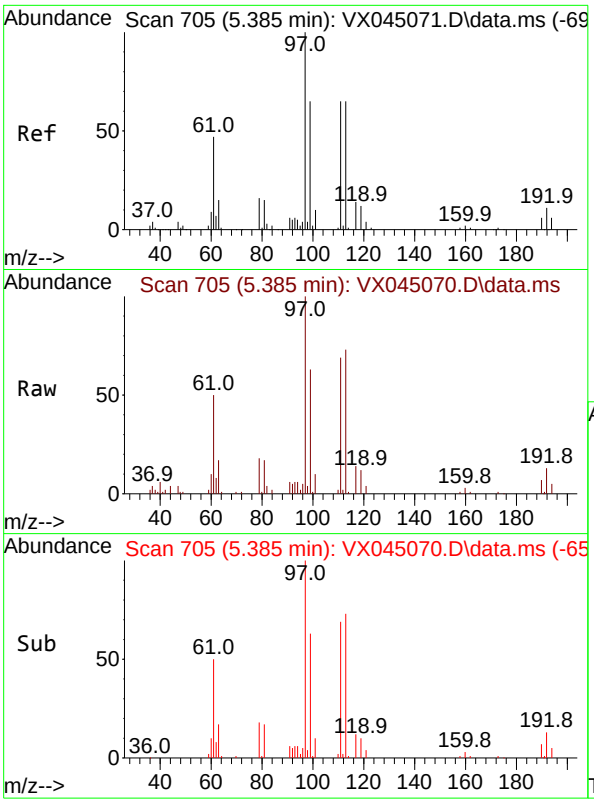


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8

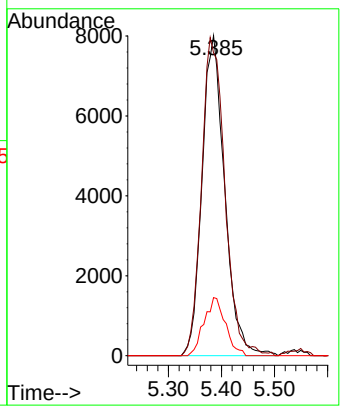




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

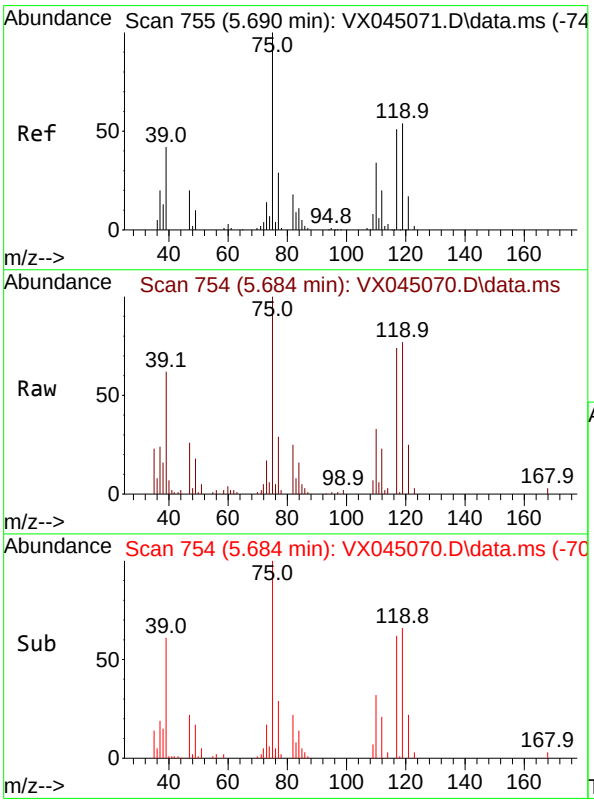
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

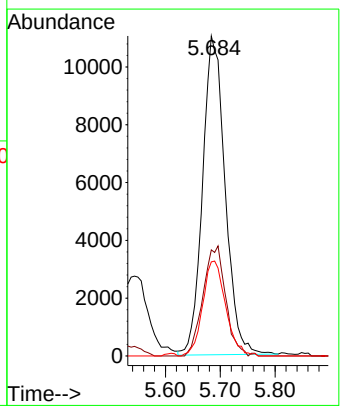
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

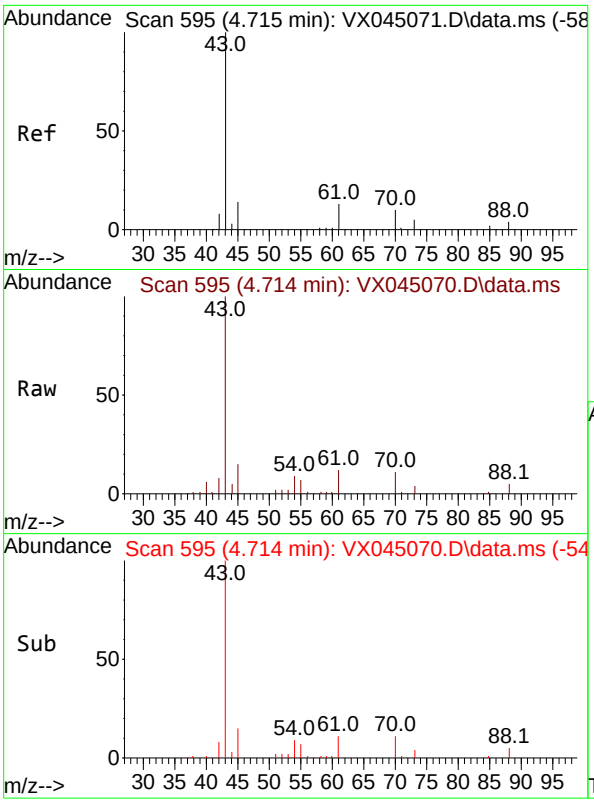


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7

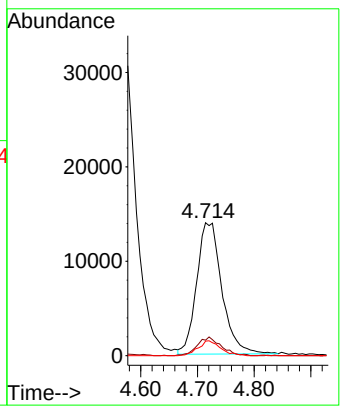




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

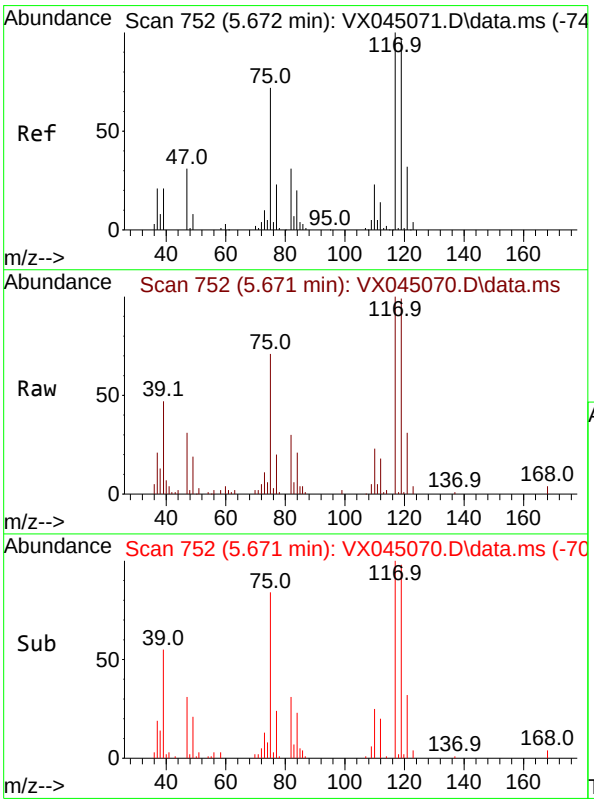
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

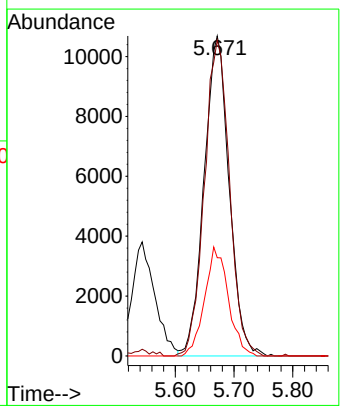
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

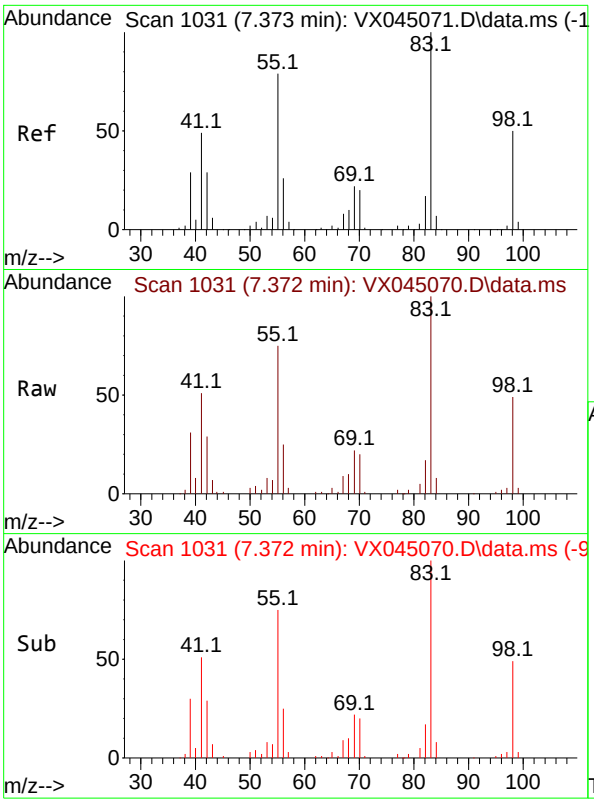


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3

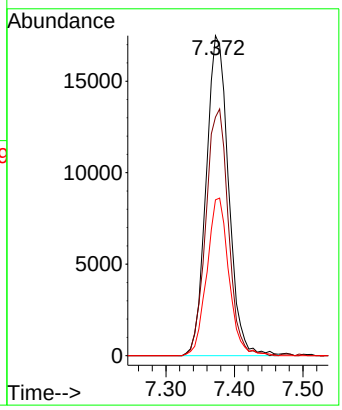




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

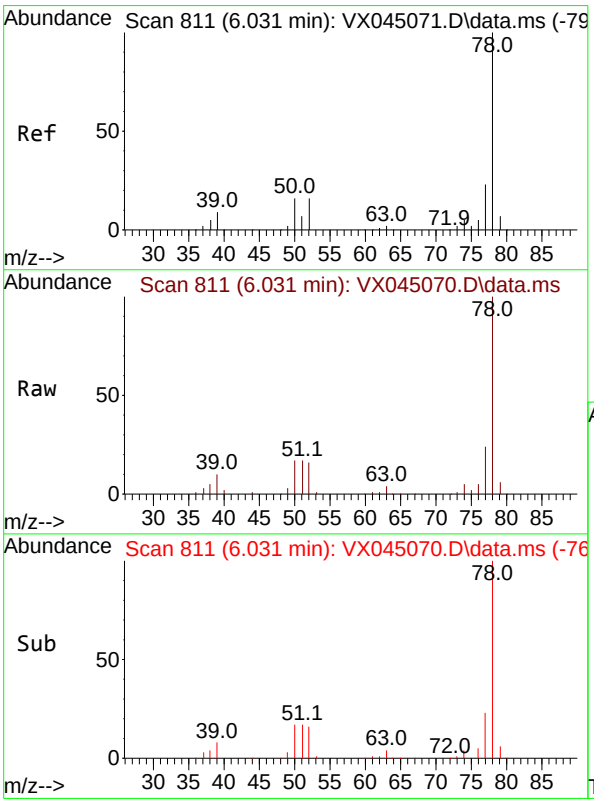
Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

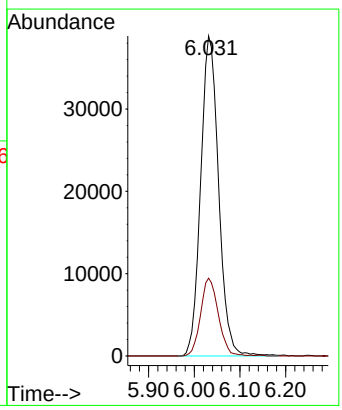
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

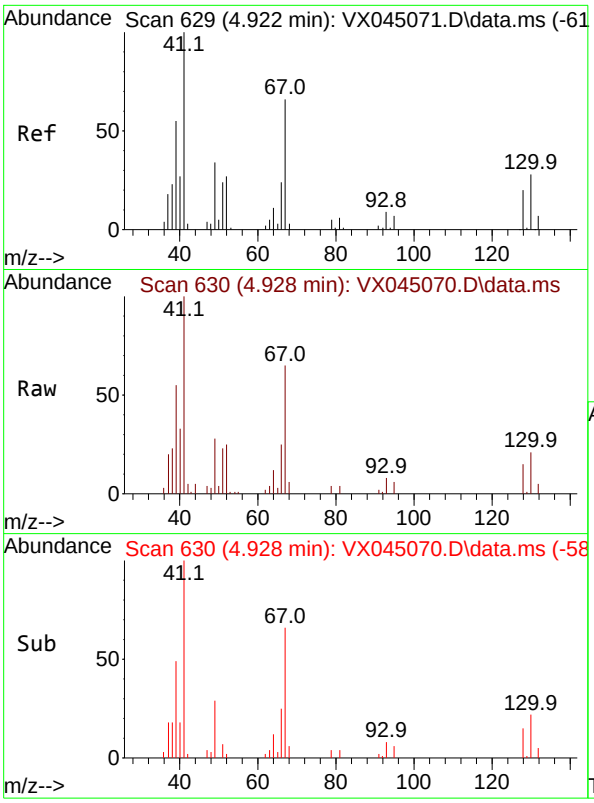


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

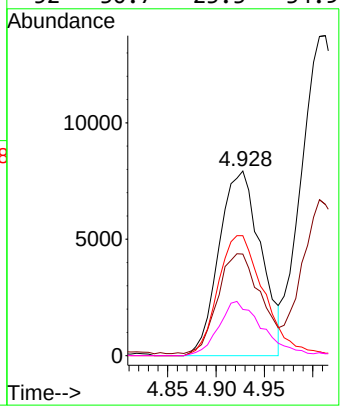




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

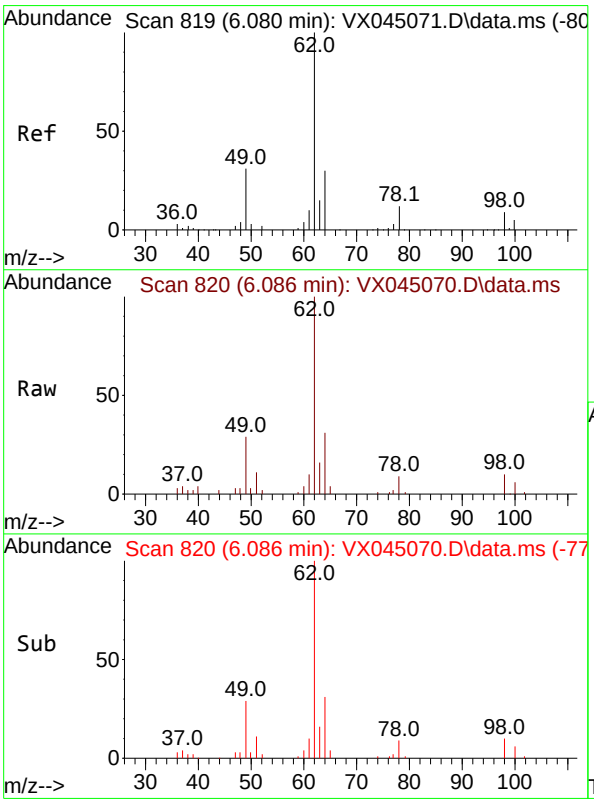
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

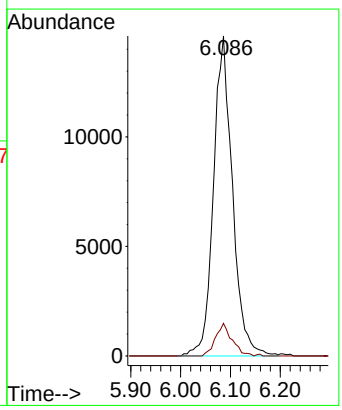
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

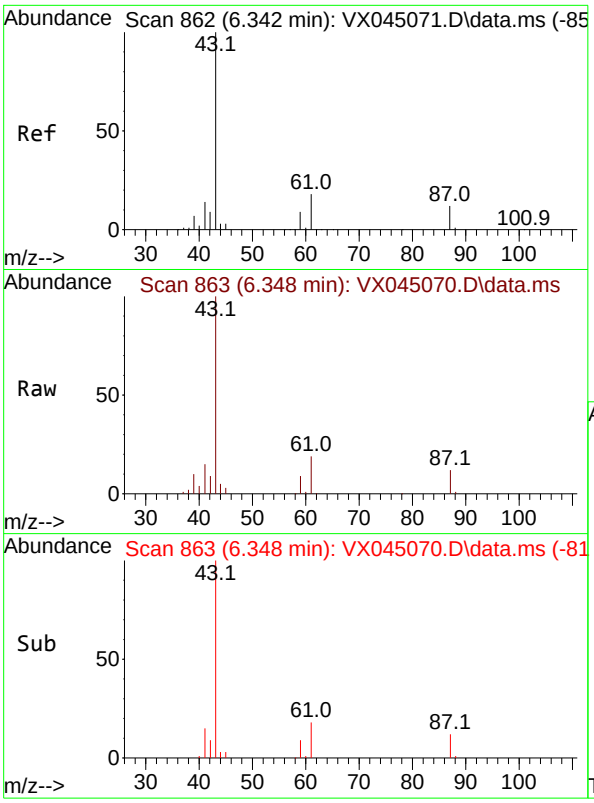


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

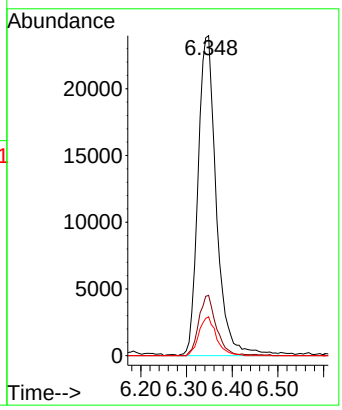
Tgt Ion: 43 Resp: 6672

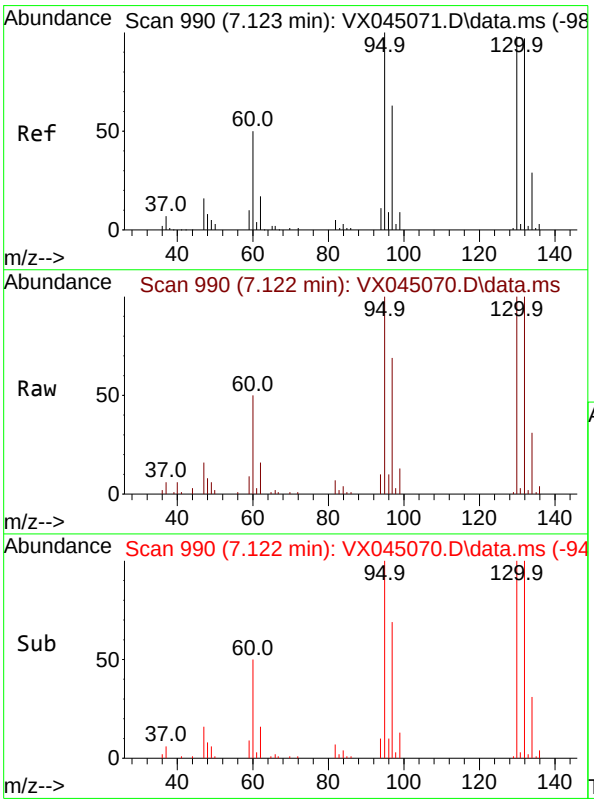
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

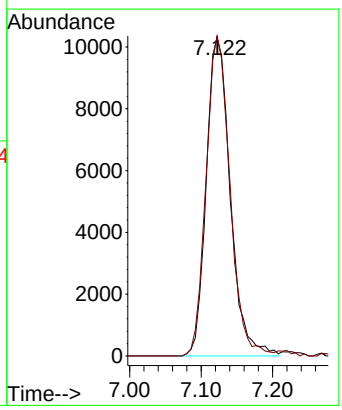


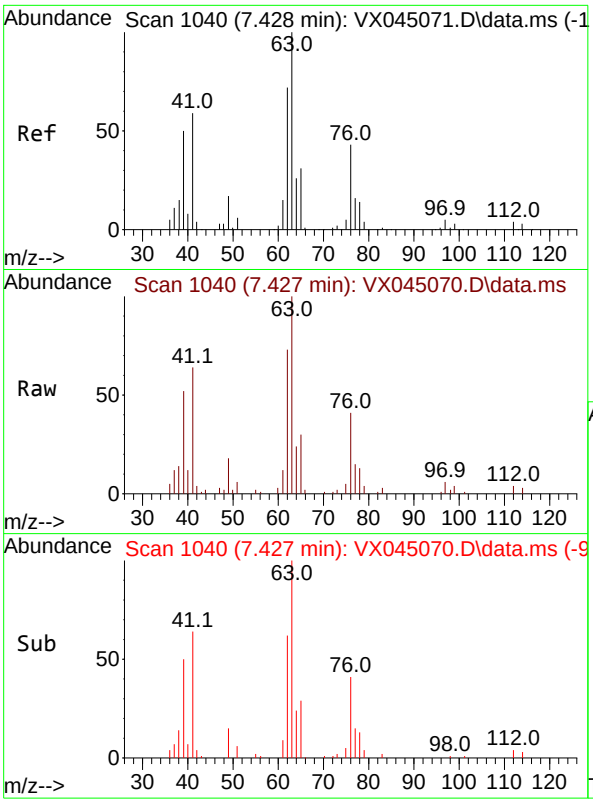


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

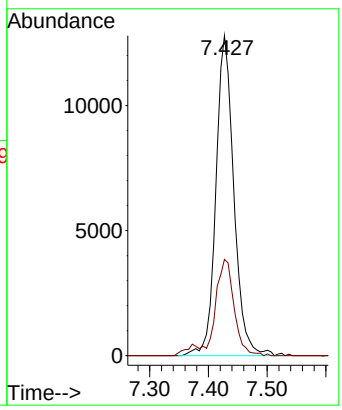




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

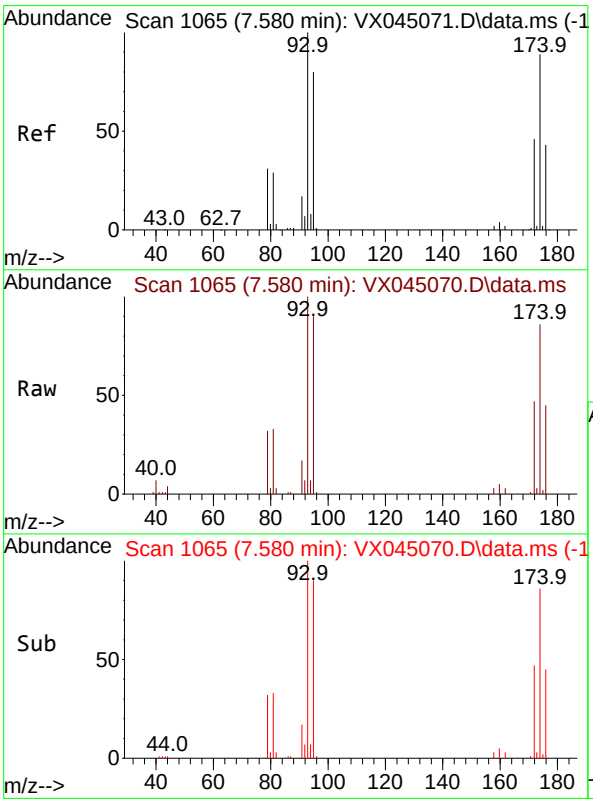
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

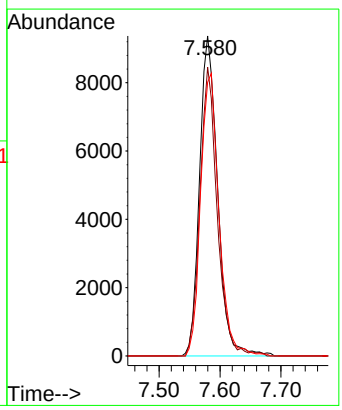
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

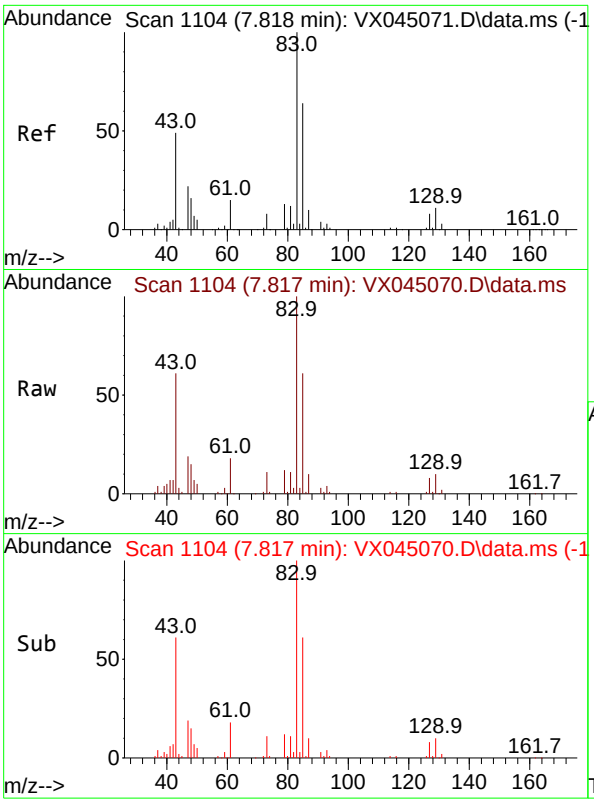


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2

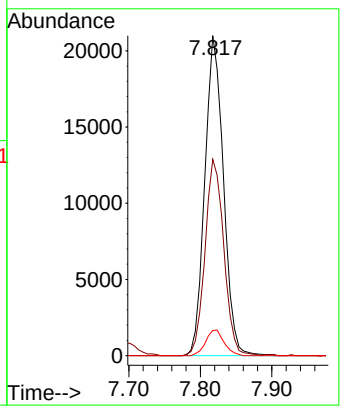




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

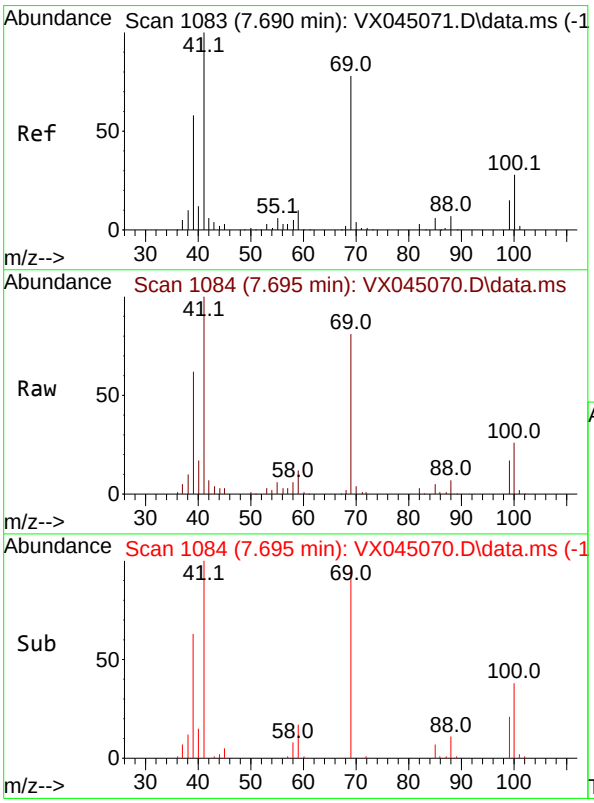
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

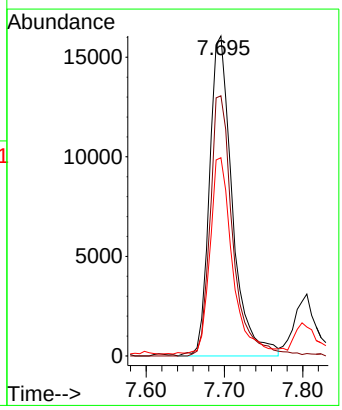
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

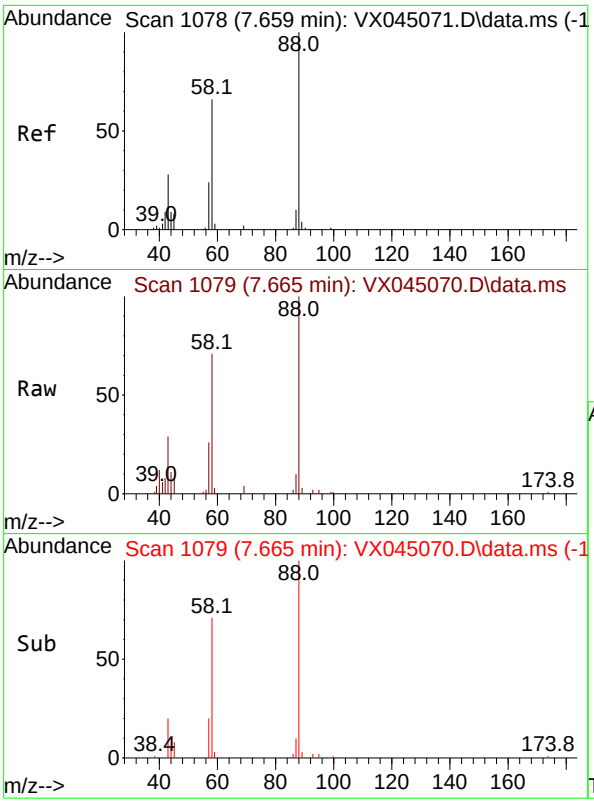


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3

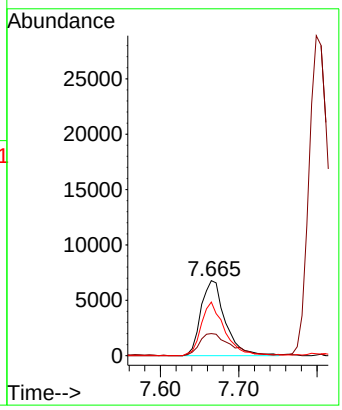




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

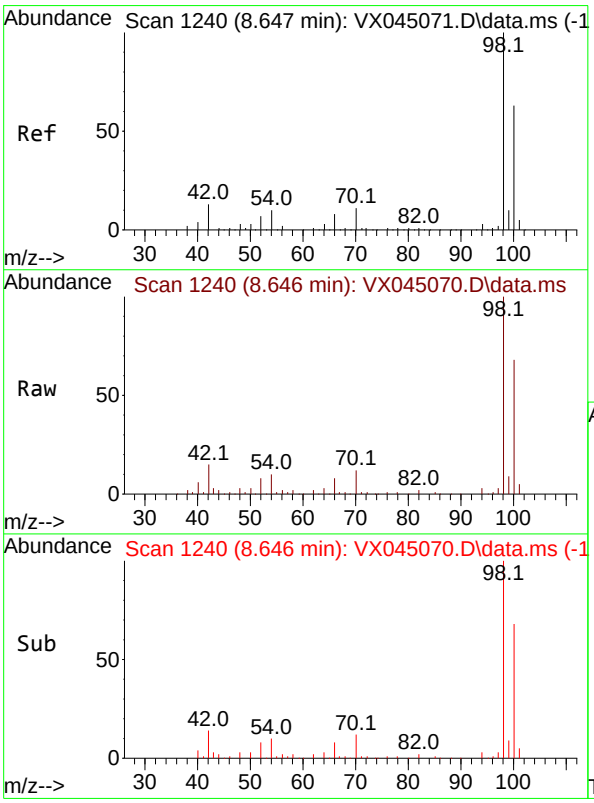
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

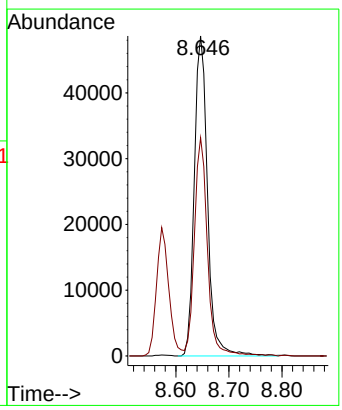
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

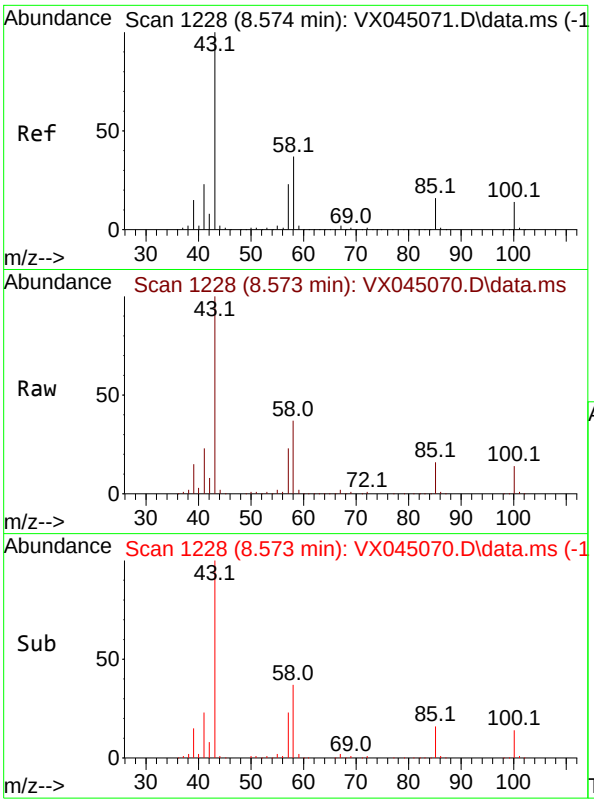


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0

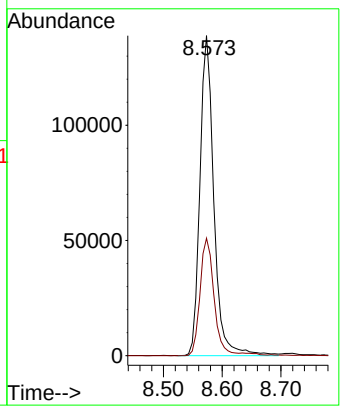




#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 22961

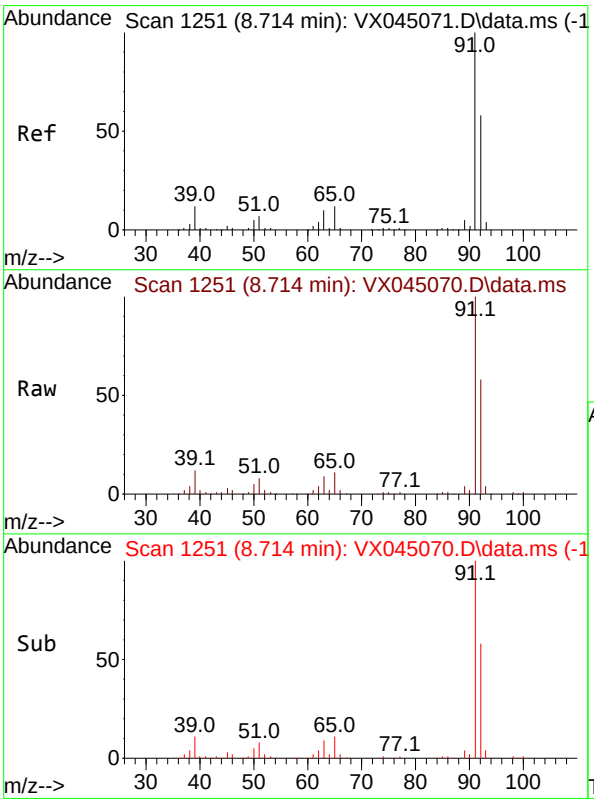
Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

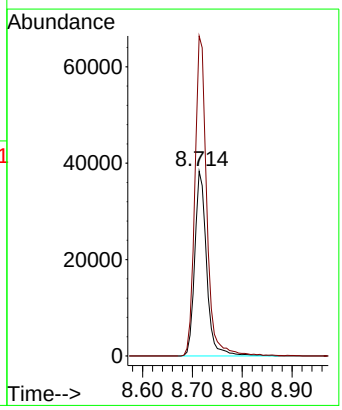
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

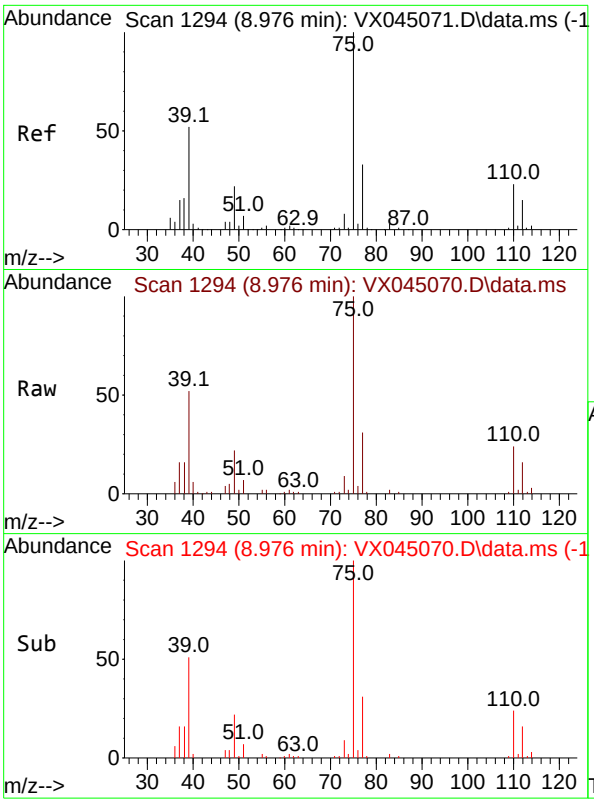


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

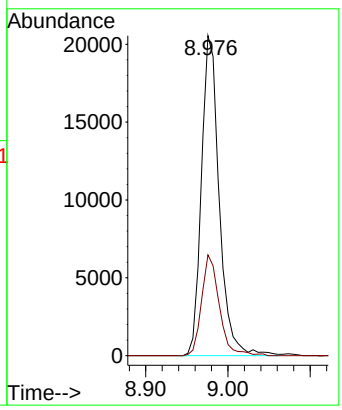




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

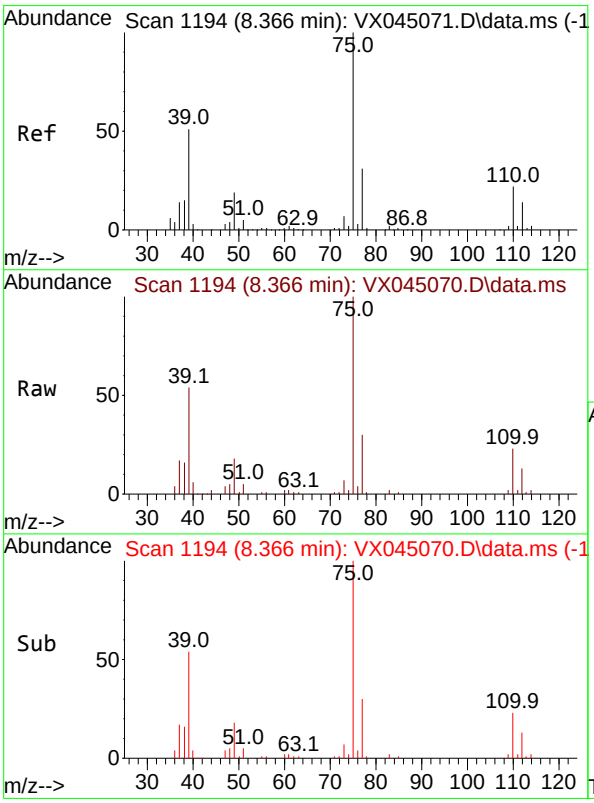
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

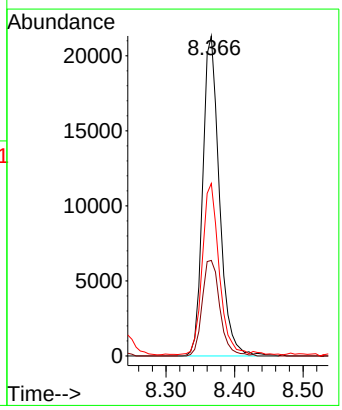
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

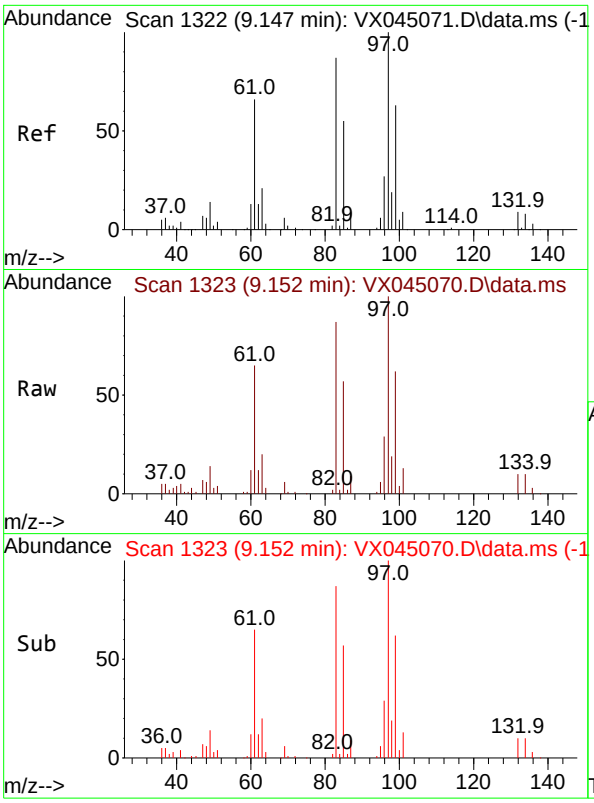


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1

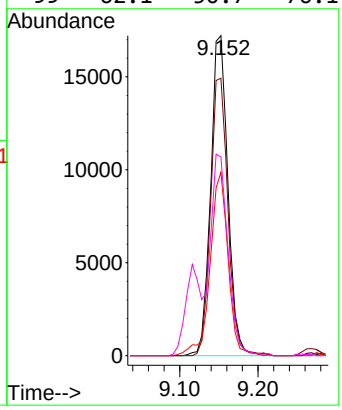




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

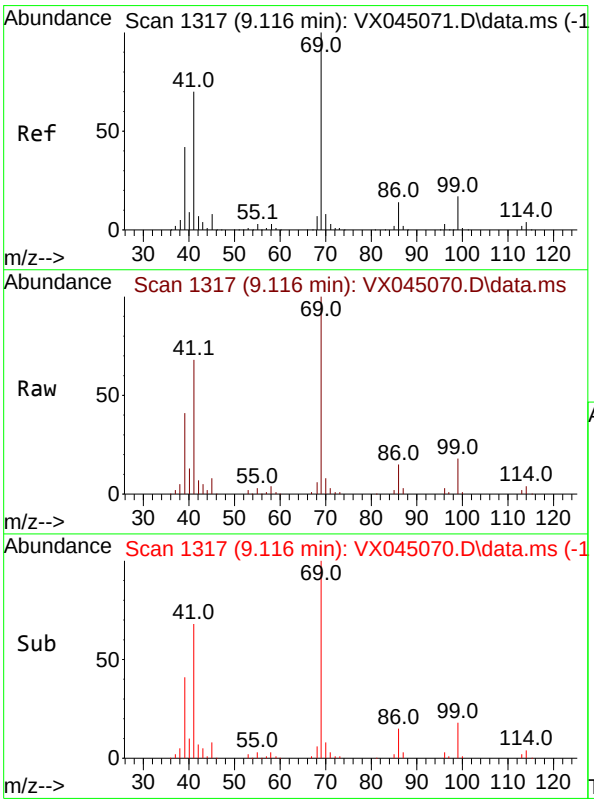
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

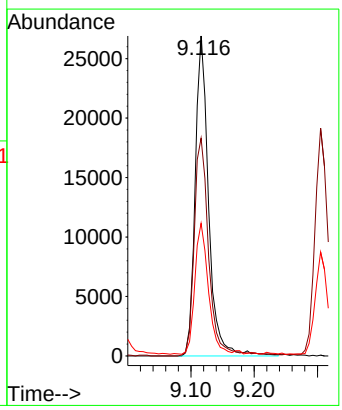
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

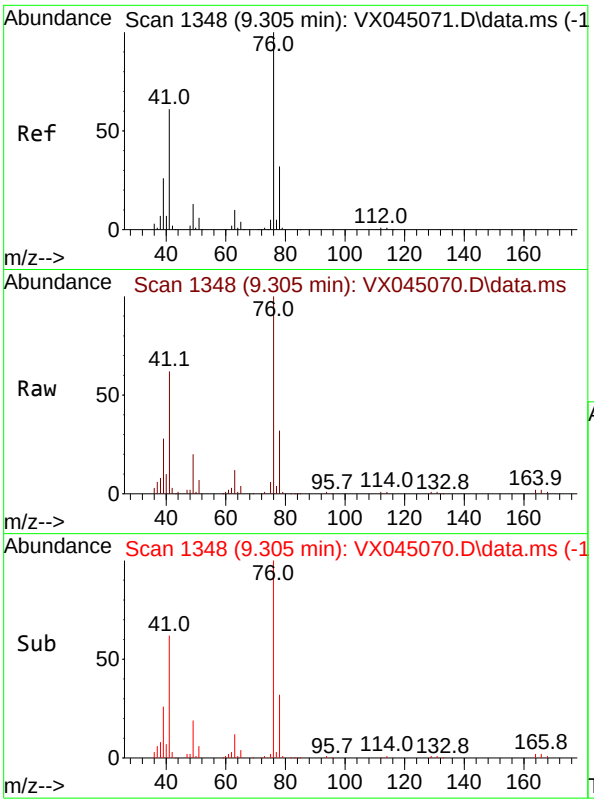


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4

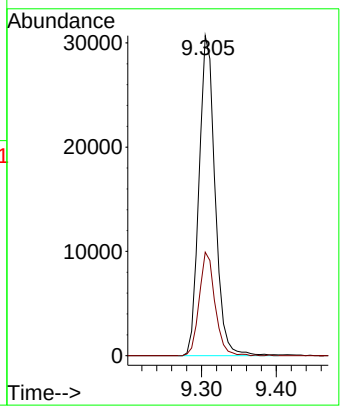




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

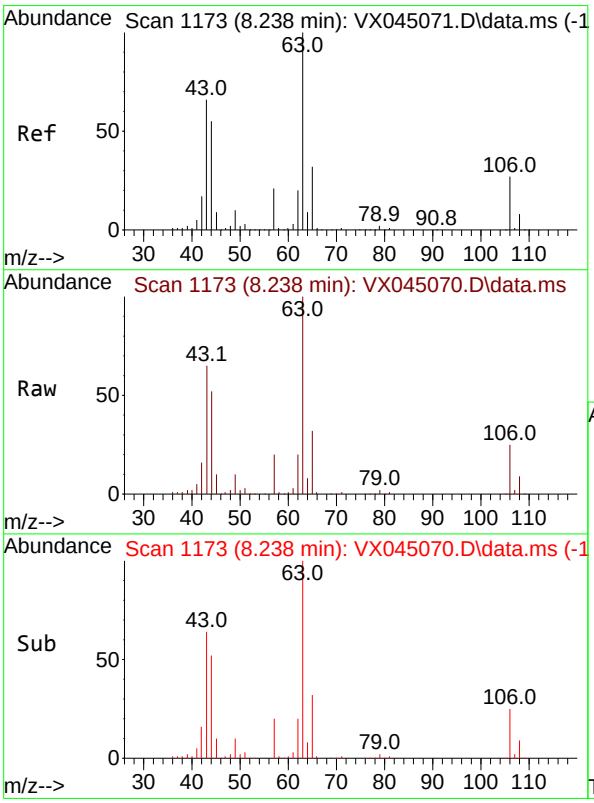
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

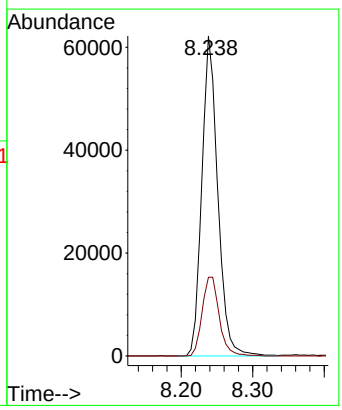
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

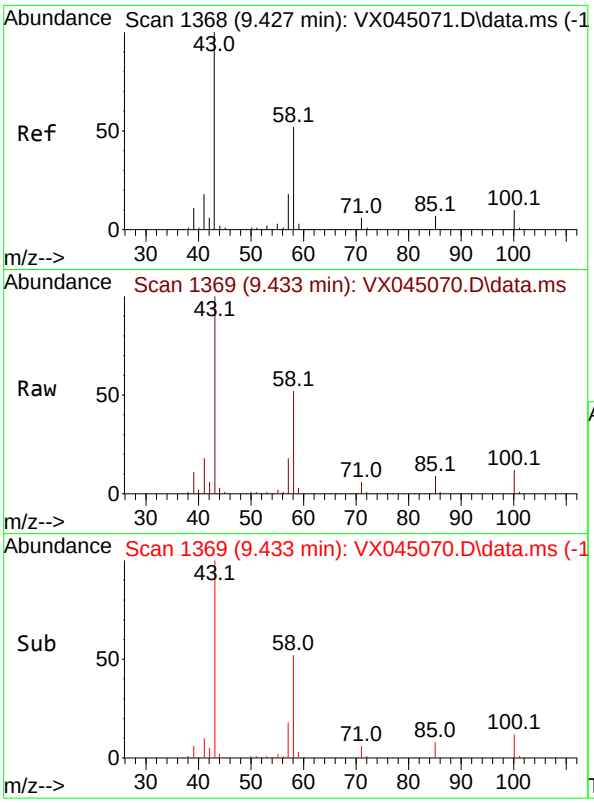


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

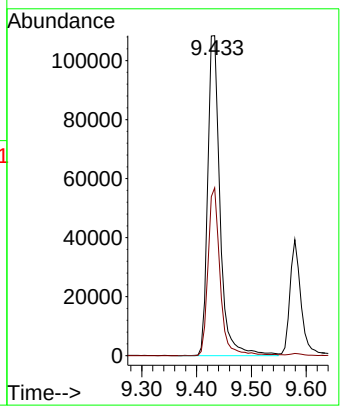
Tgt Ion: 43 Resp: 16876

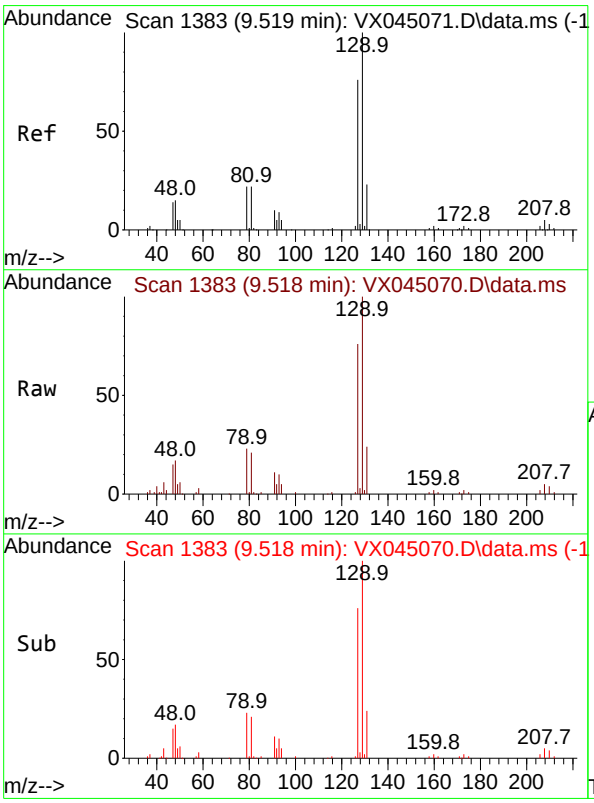
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

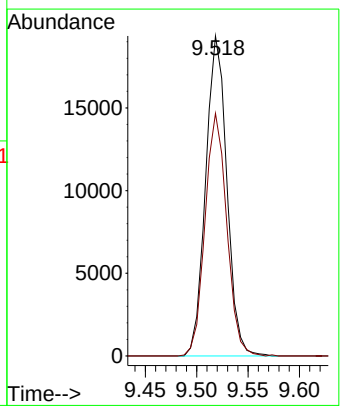


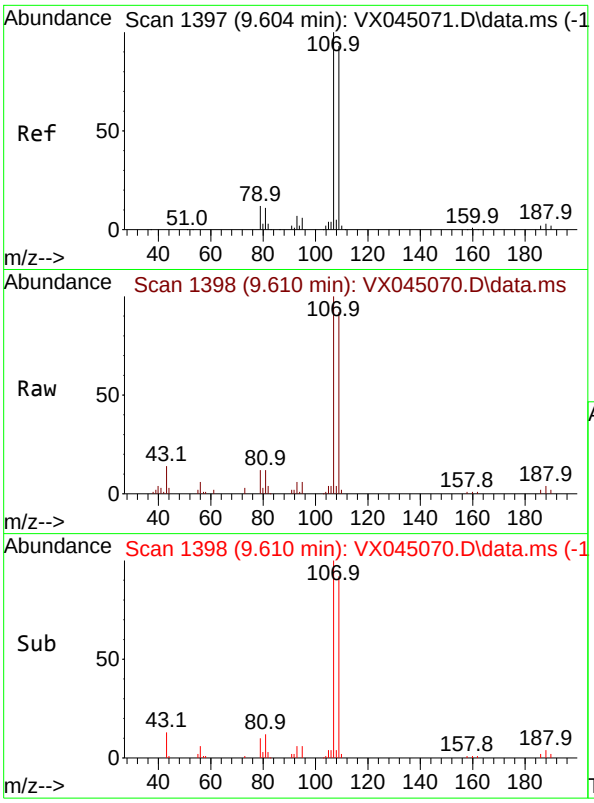


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5

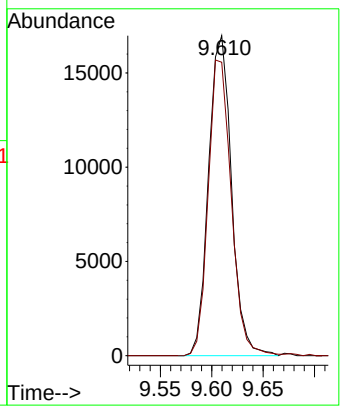




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:107 Resp: 2631

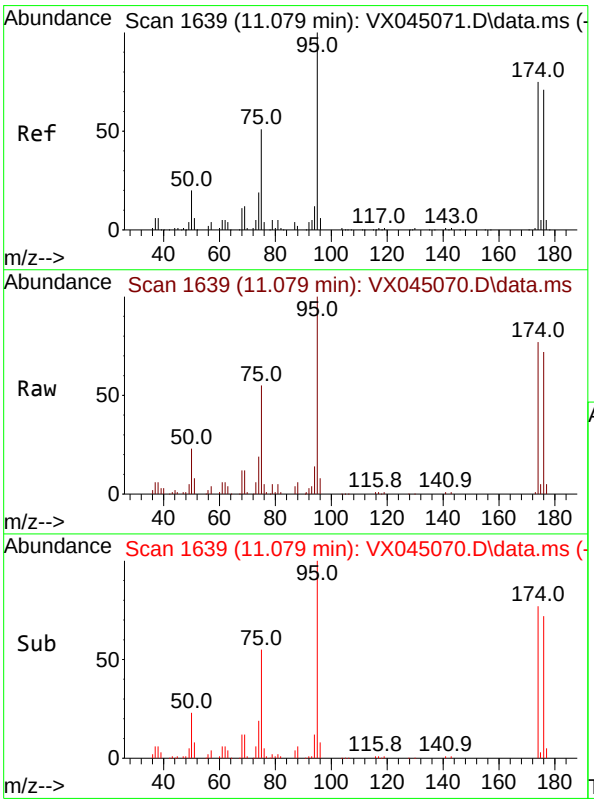
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

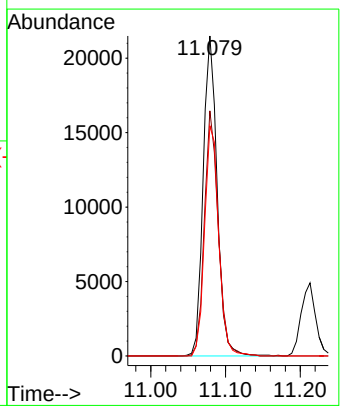
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

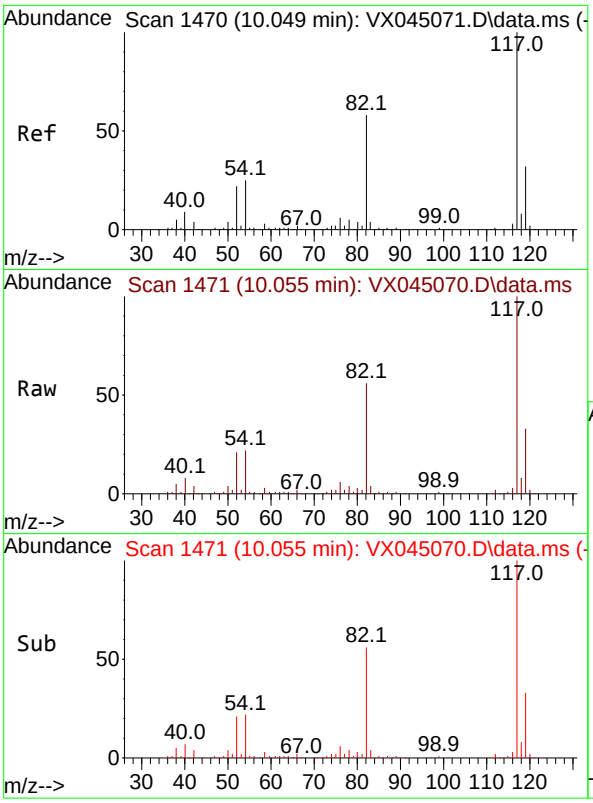


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4

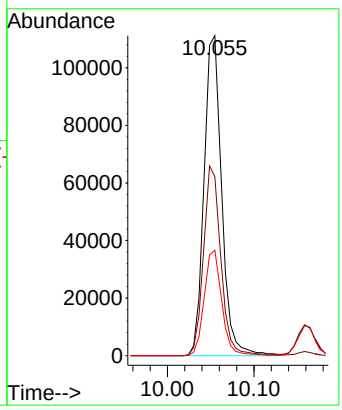




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

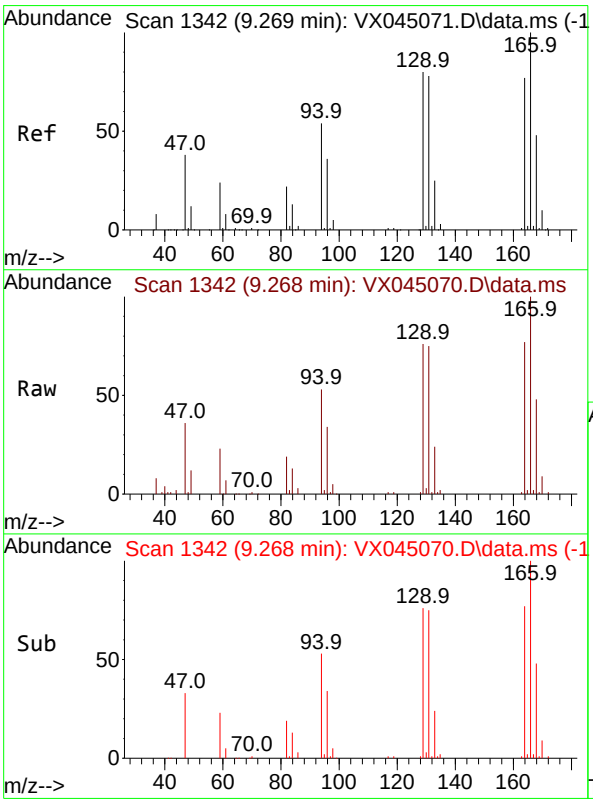
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

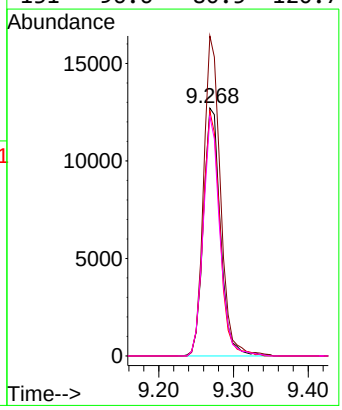
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

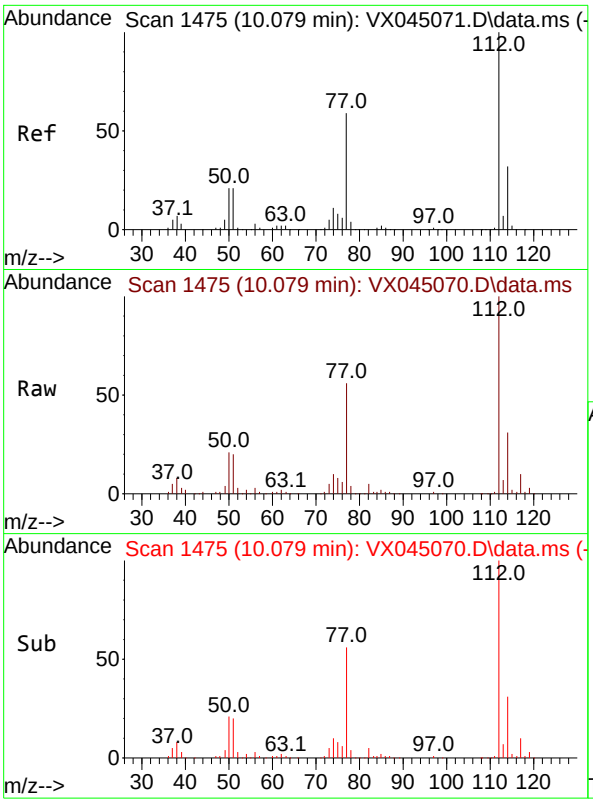


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7

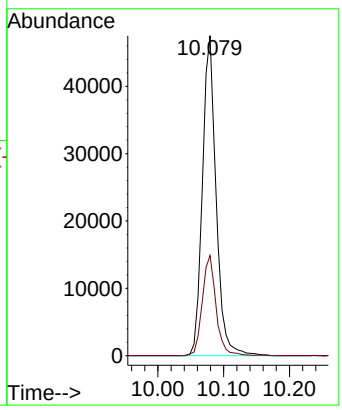




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

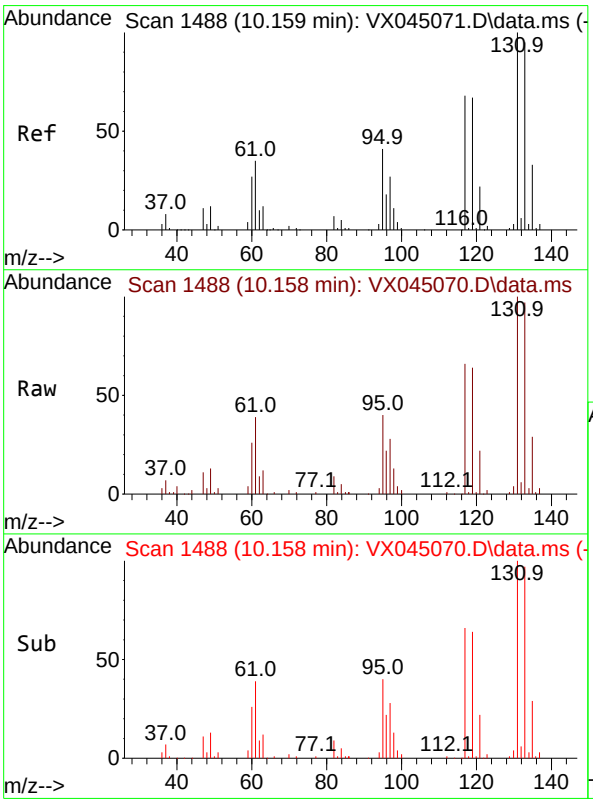
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

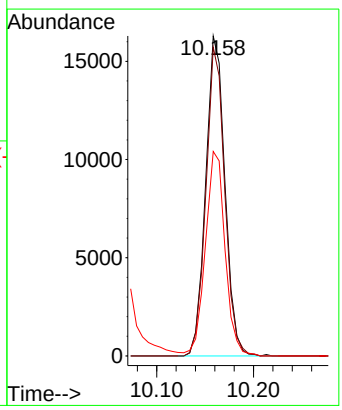
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

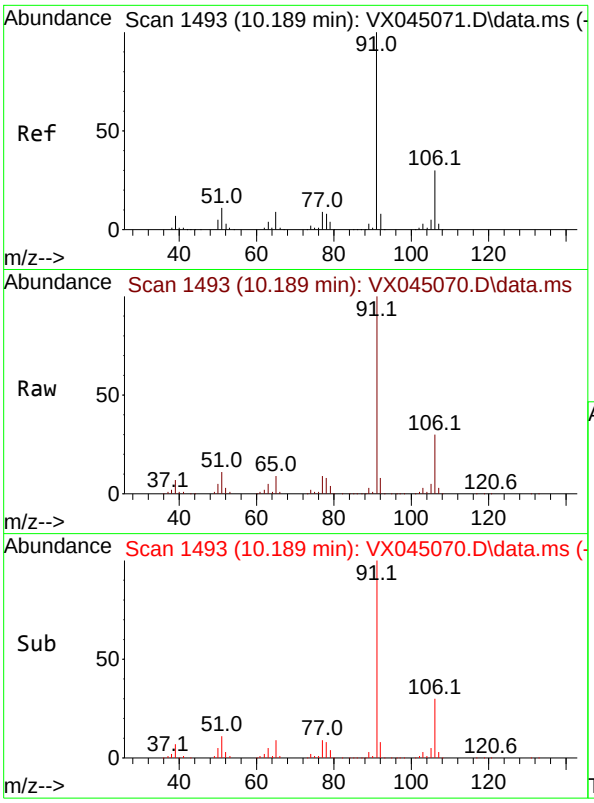


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7

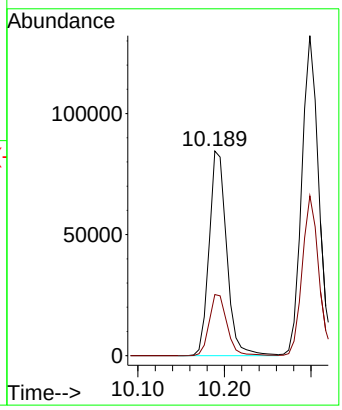




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 11916

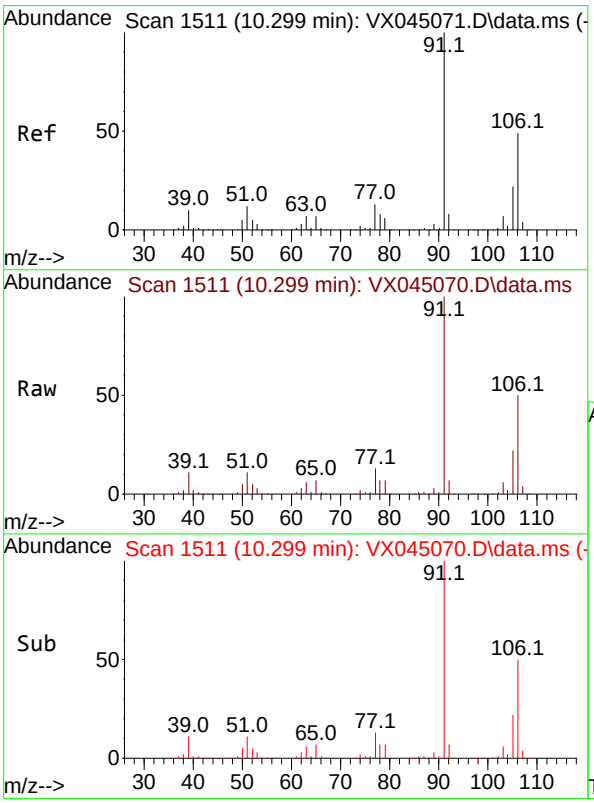
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

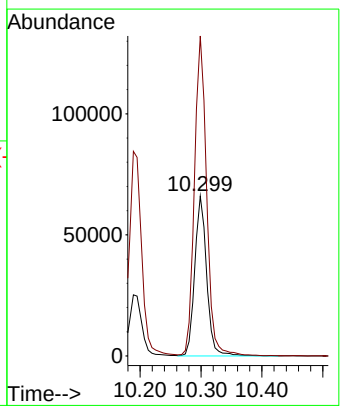
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

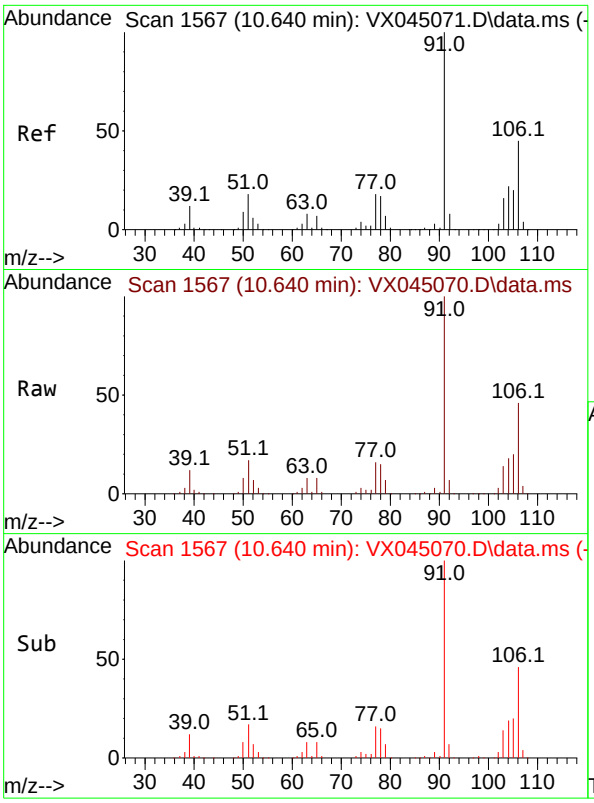


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

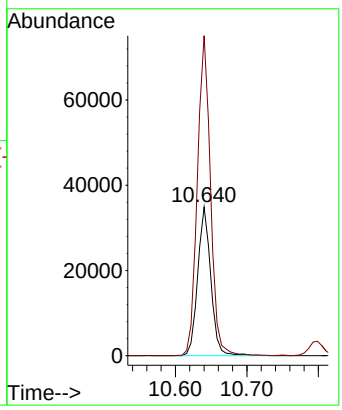




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

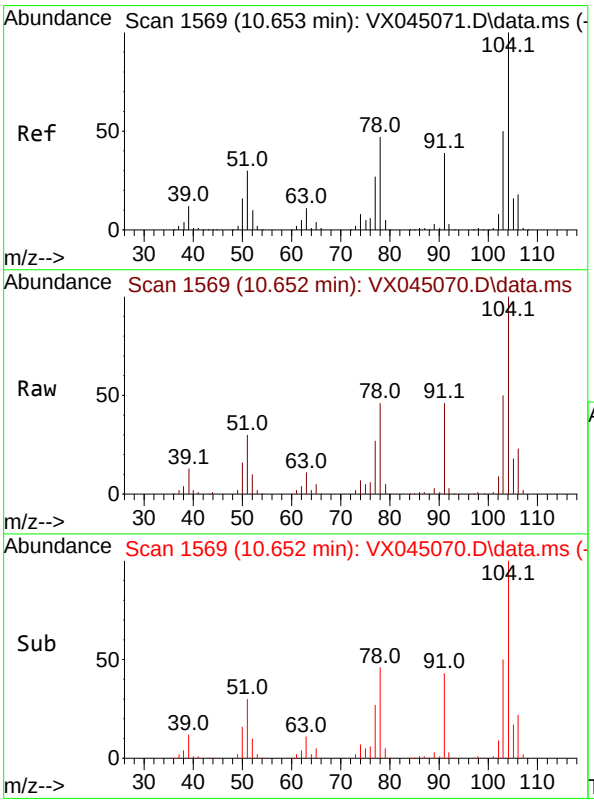
Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

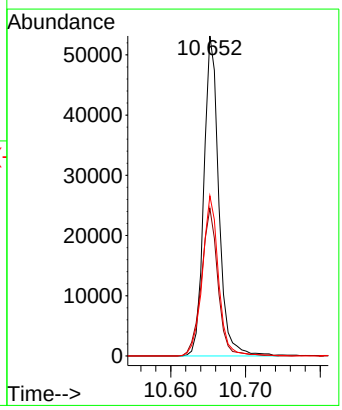
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

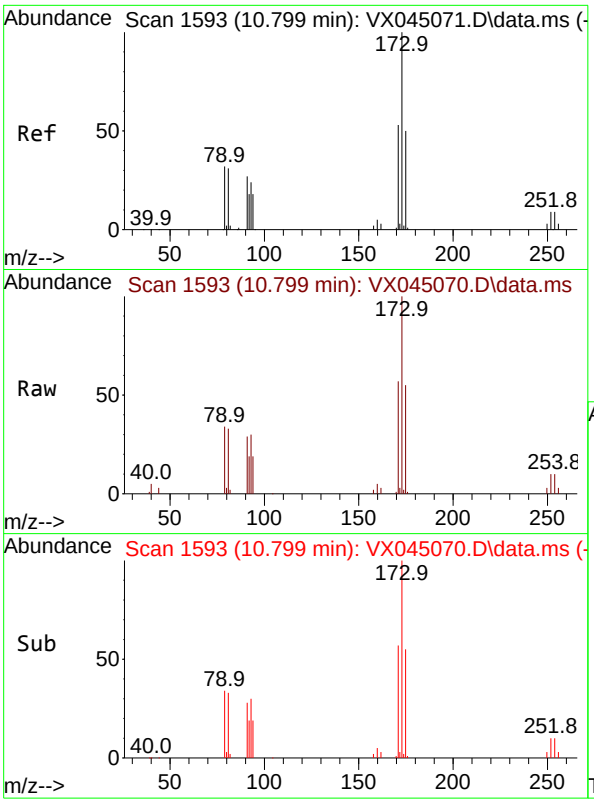


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8

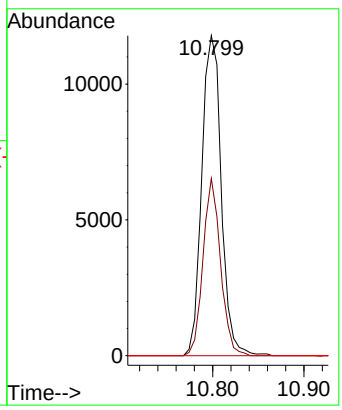




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

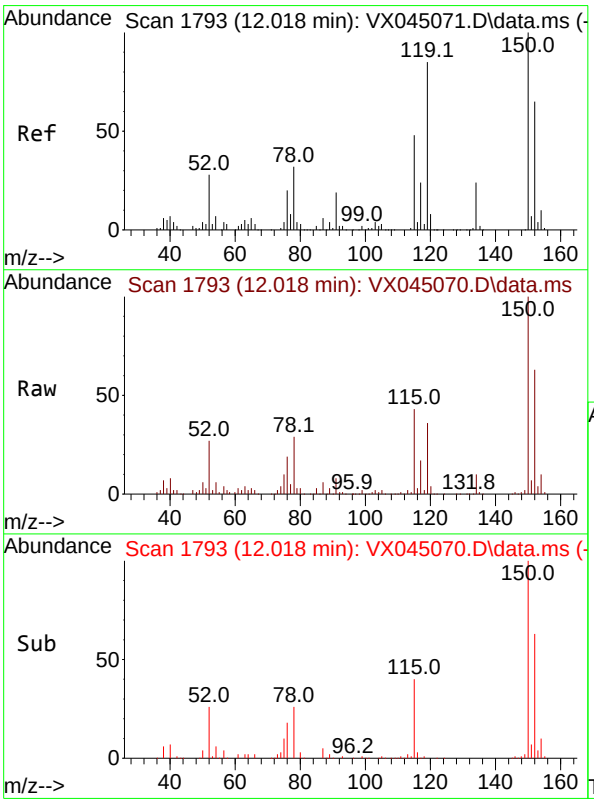
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

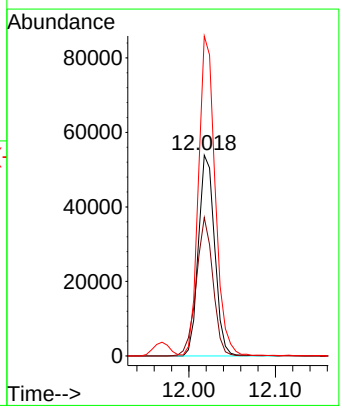
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

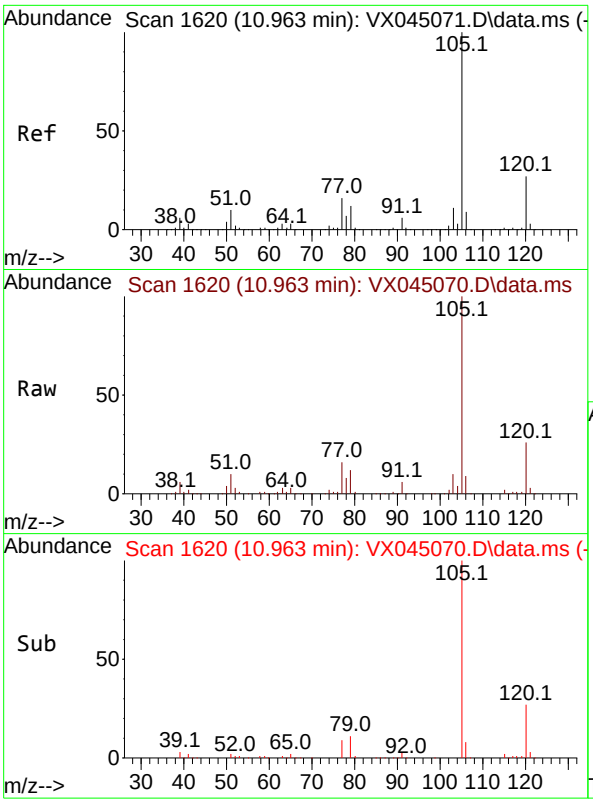


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0

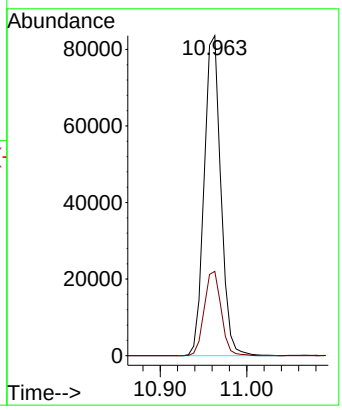




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

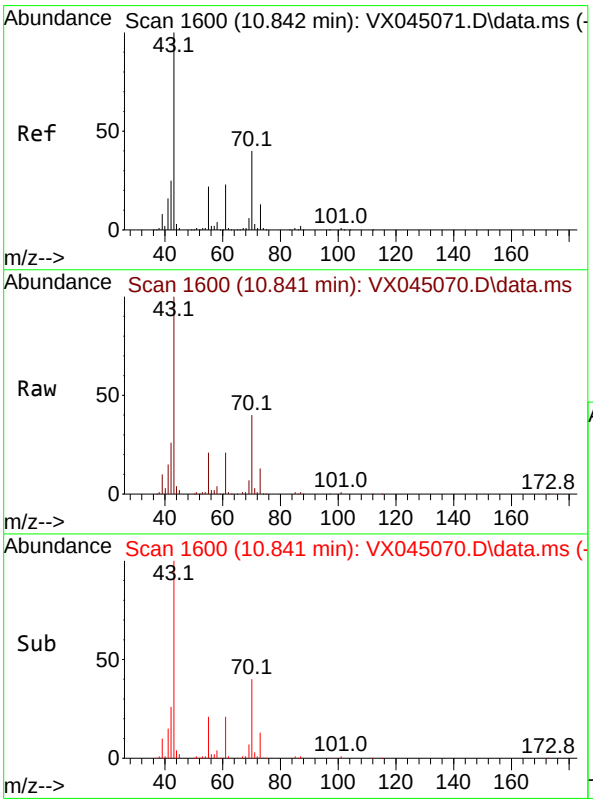
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

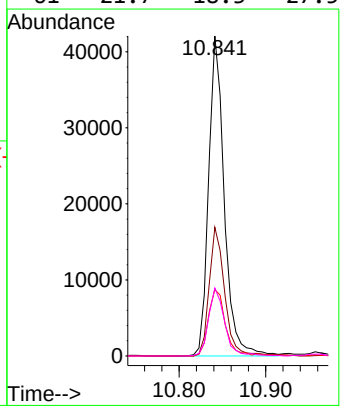
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

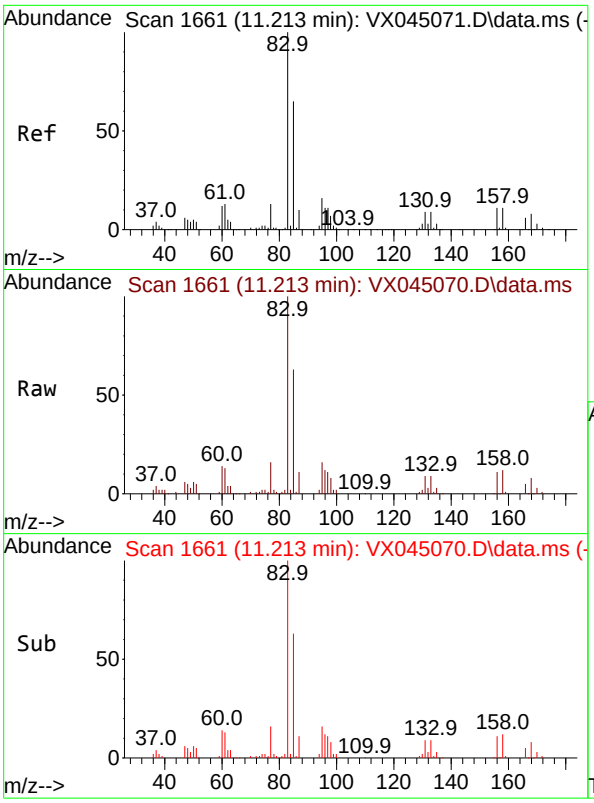


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5

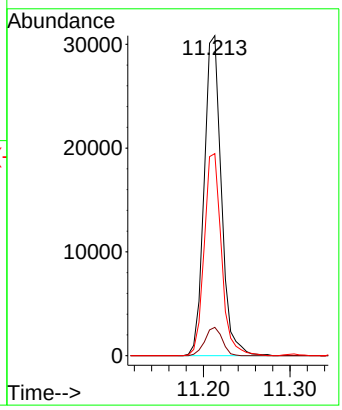




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

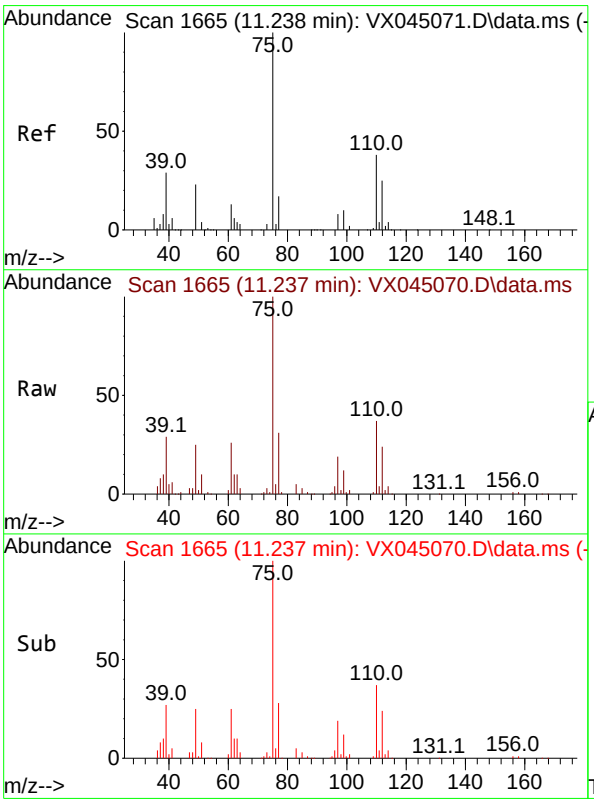
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

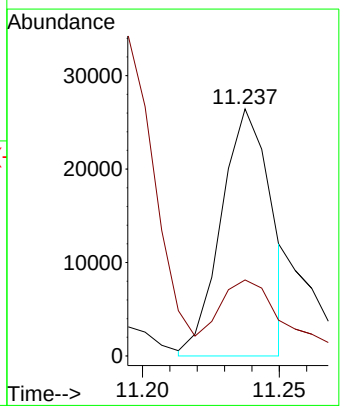
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

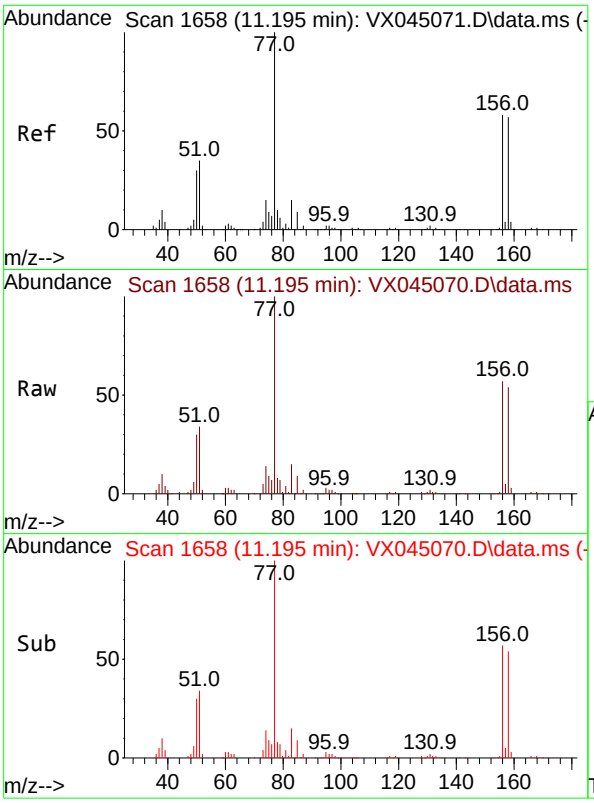


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

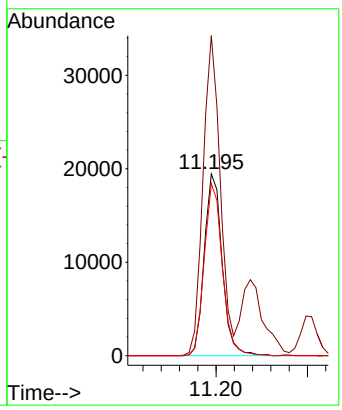




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

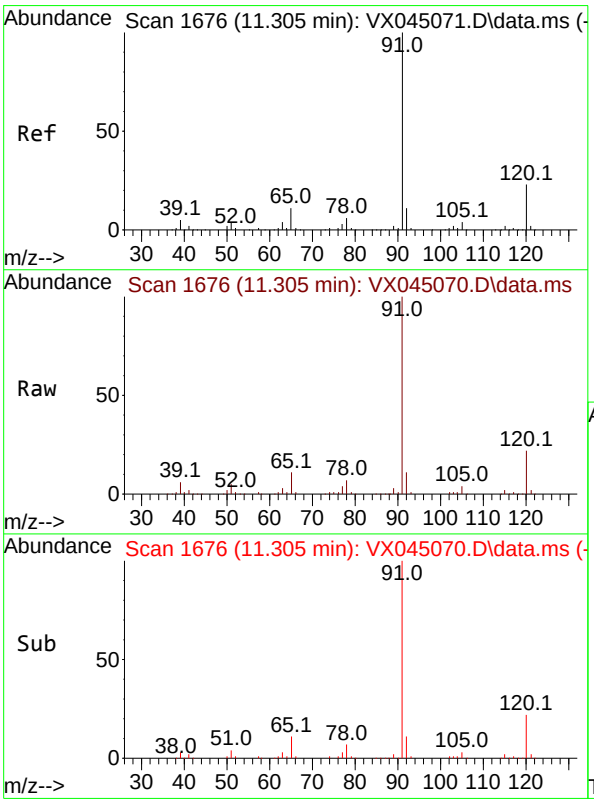
Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

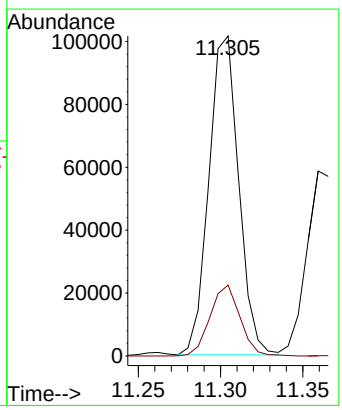
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

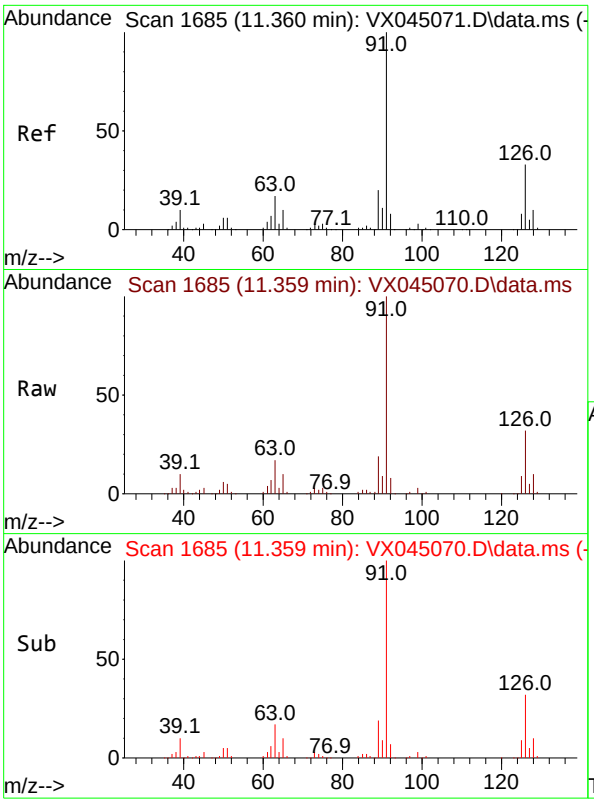


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6

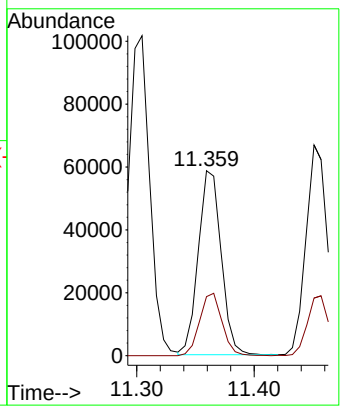




#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7927

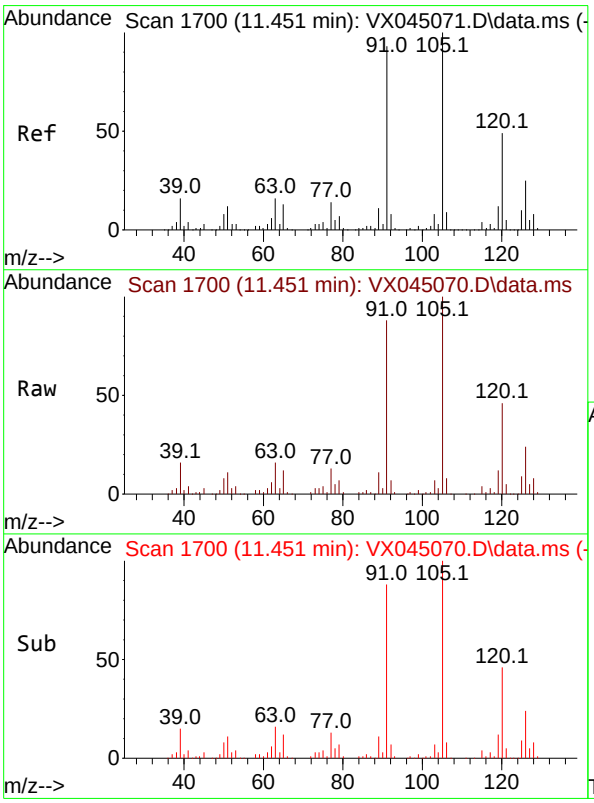
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

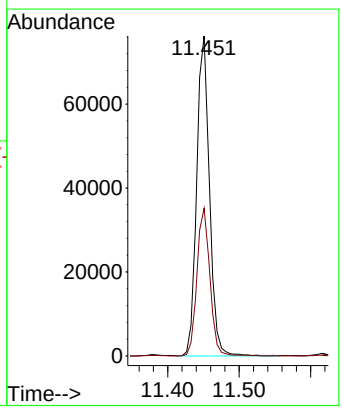
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

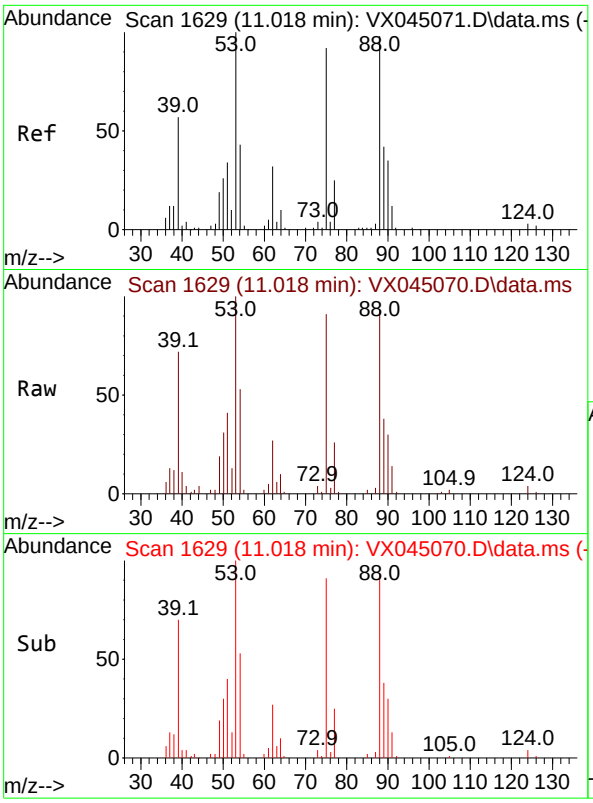


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

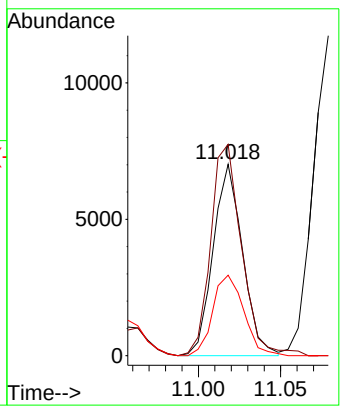
Tgt Ion: 75 Resp: 875

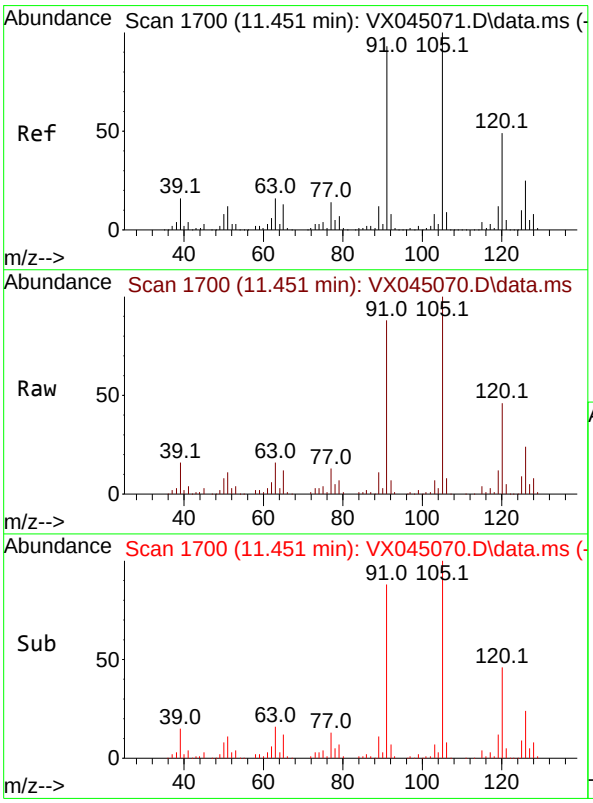
Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

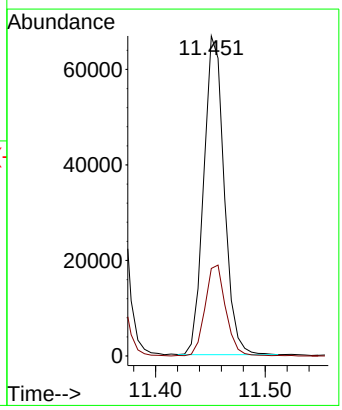


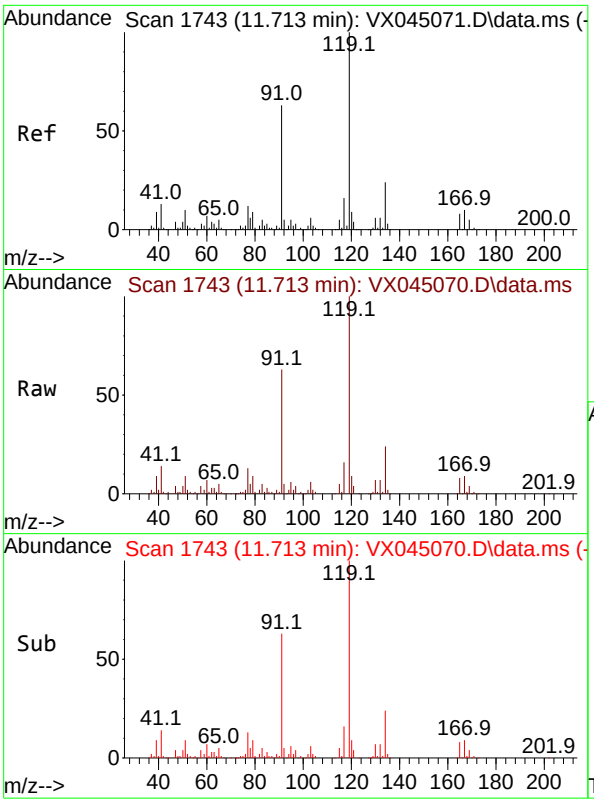


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

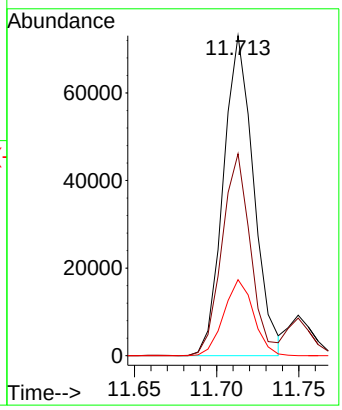




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

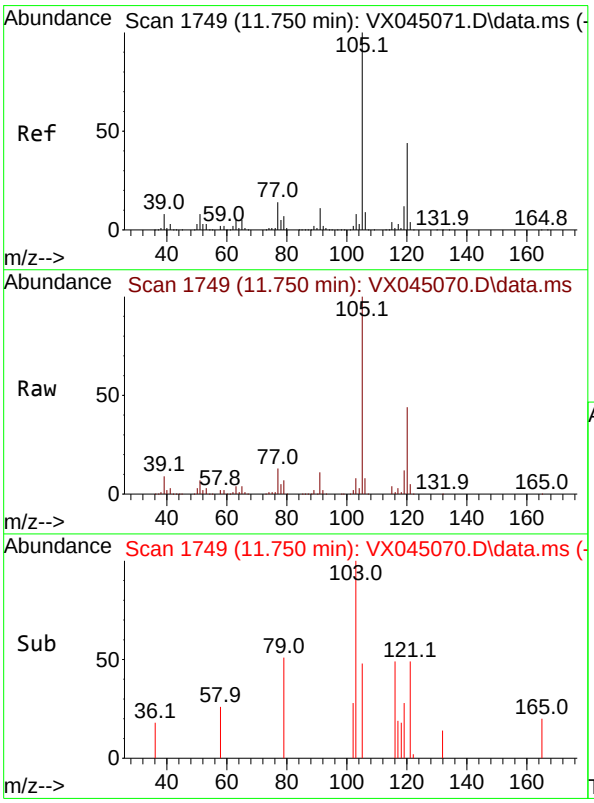
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

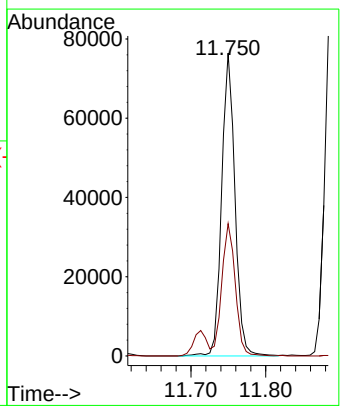
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

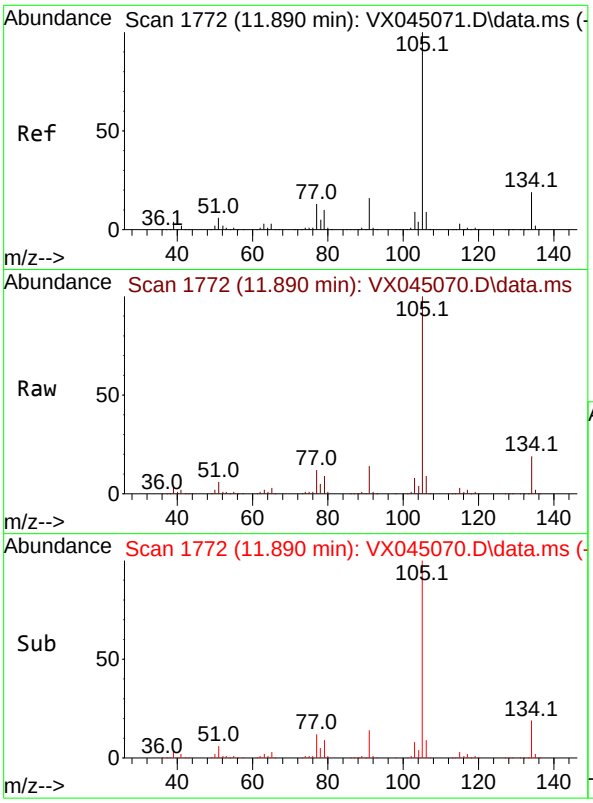


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

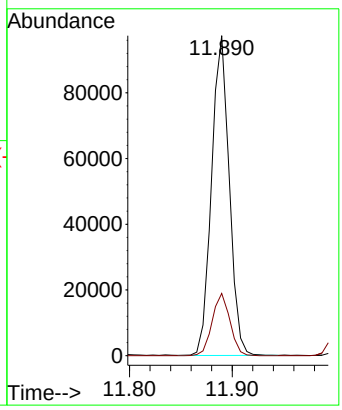
Tgt Ion:105 Resp: 11595

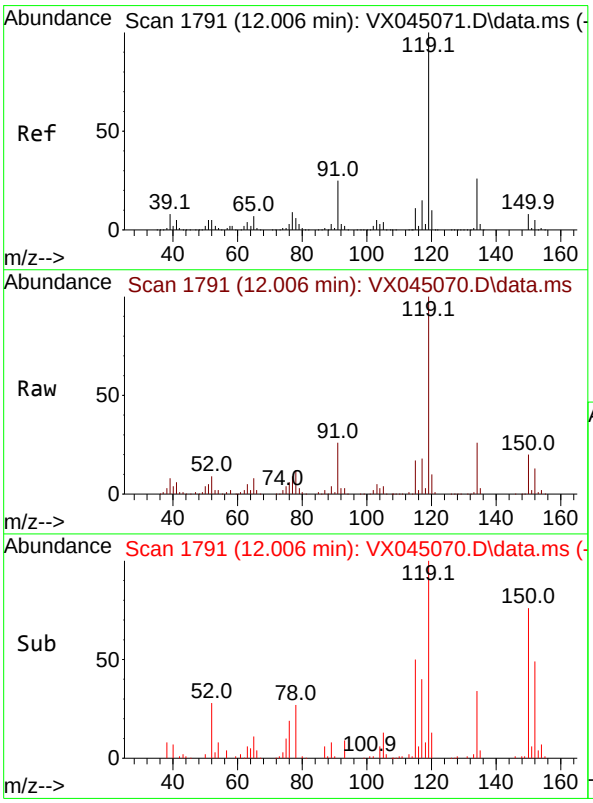
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

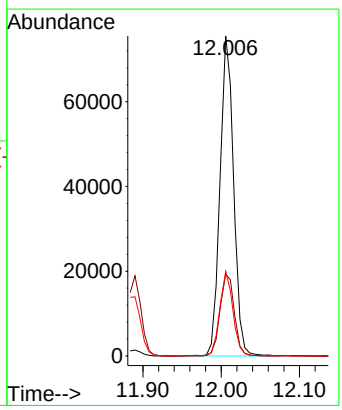


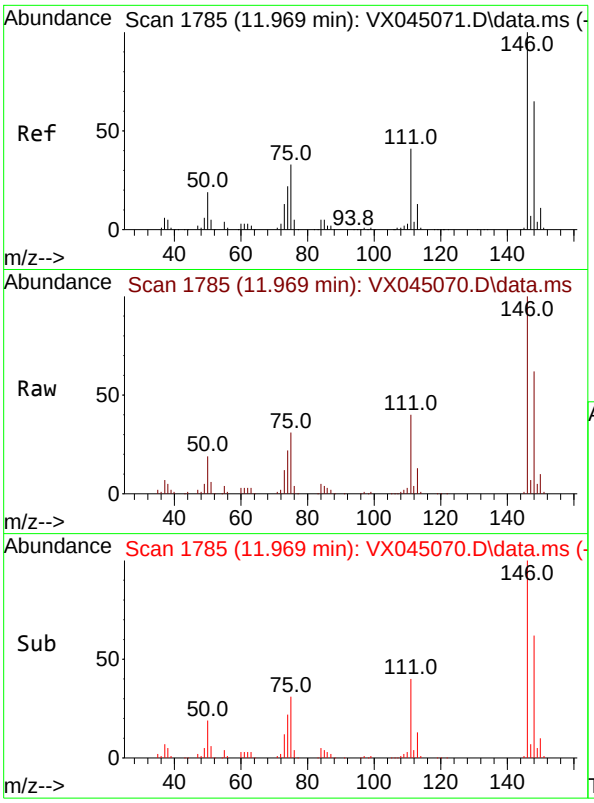


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0

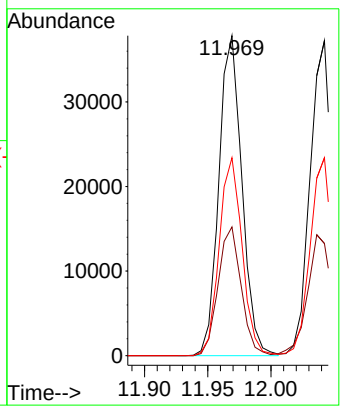




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

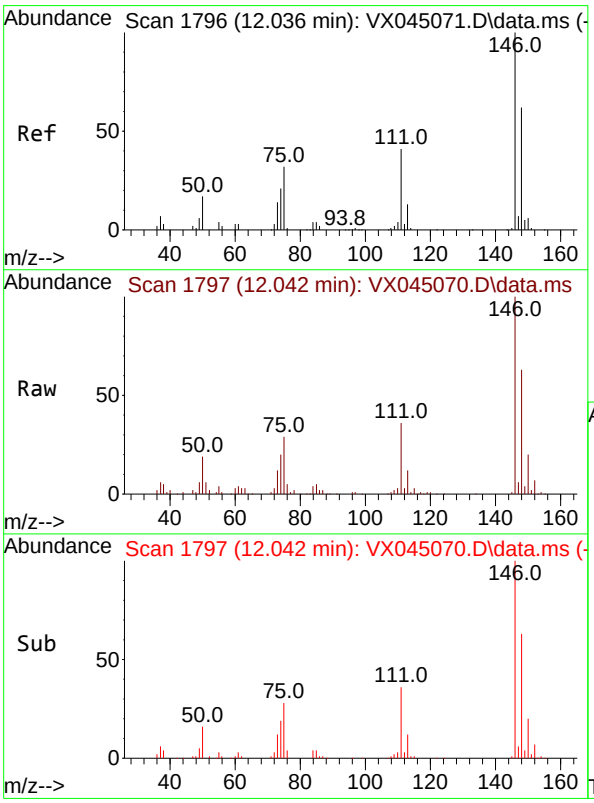
Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

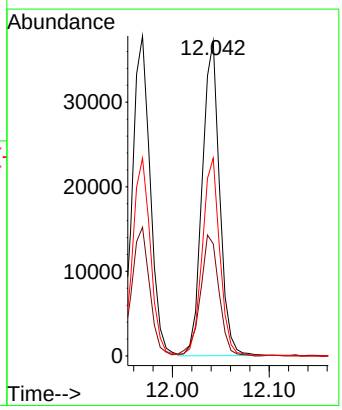
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

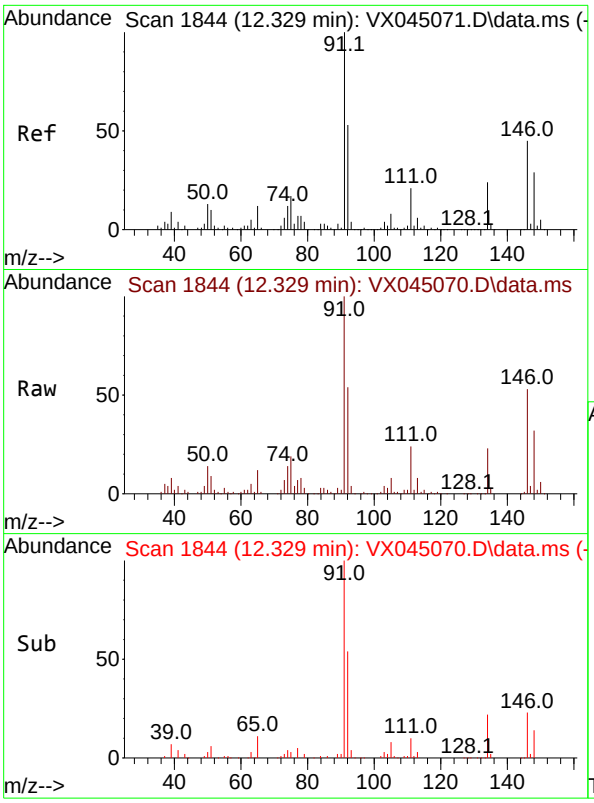


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9

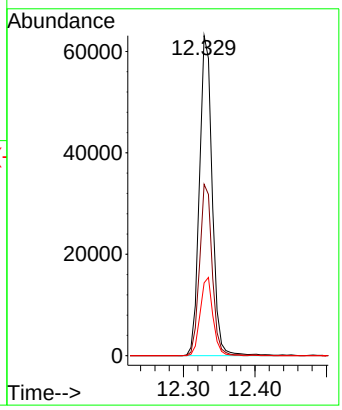




#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7813

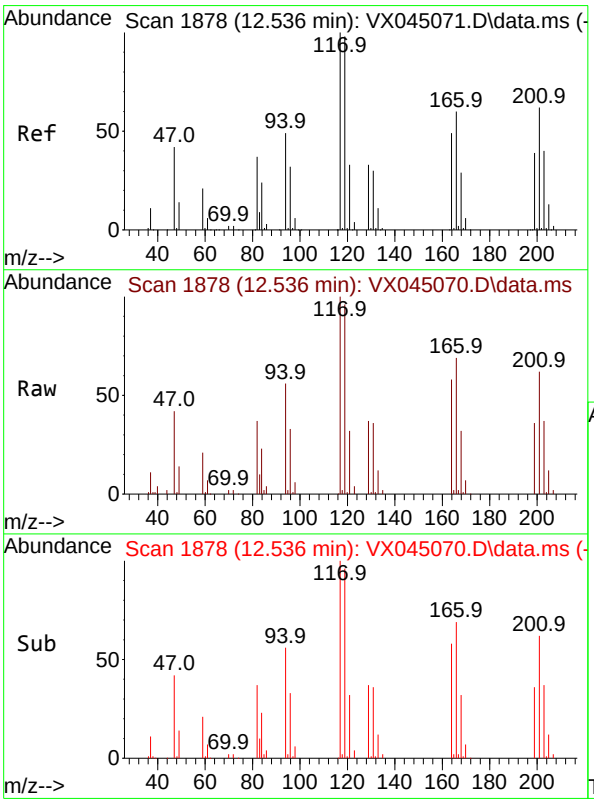
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

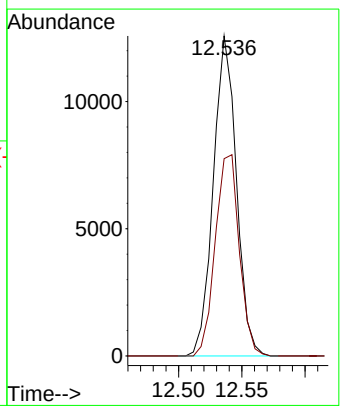
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

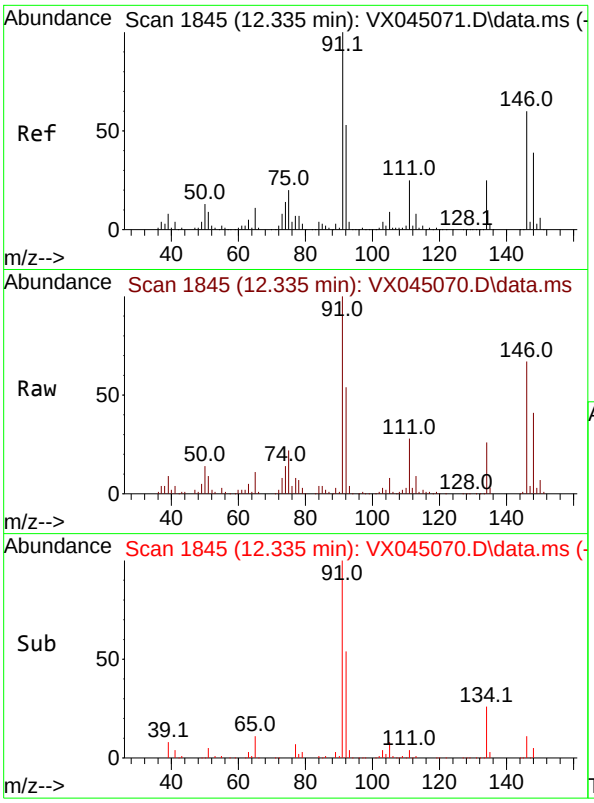


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

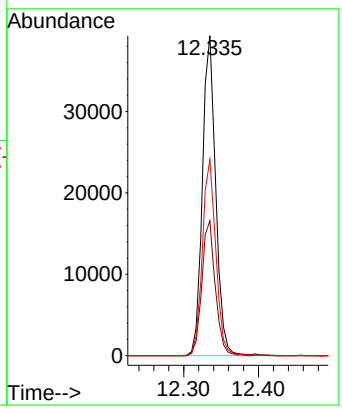




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

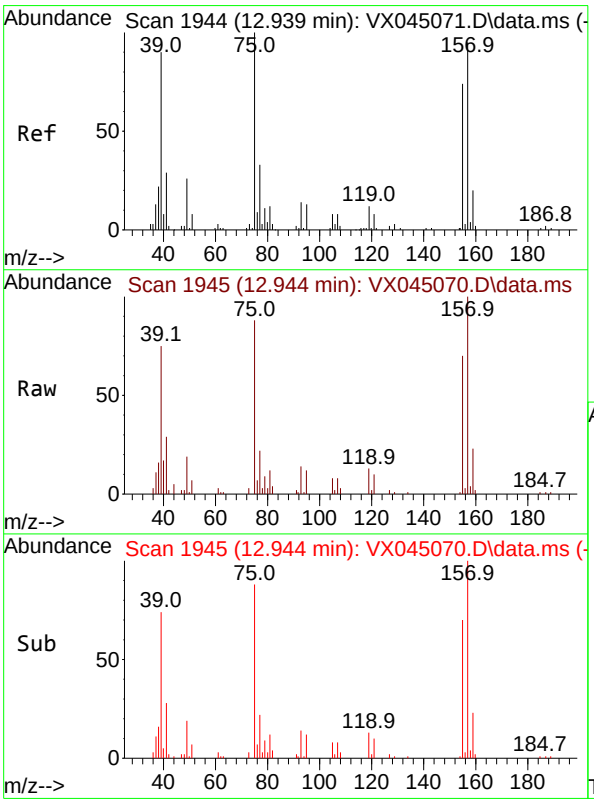
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

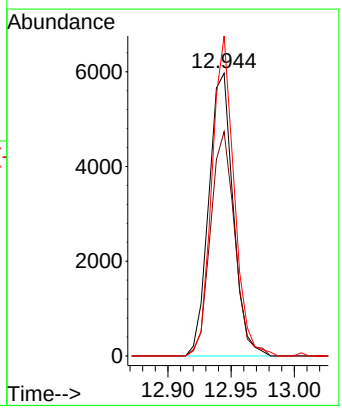
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

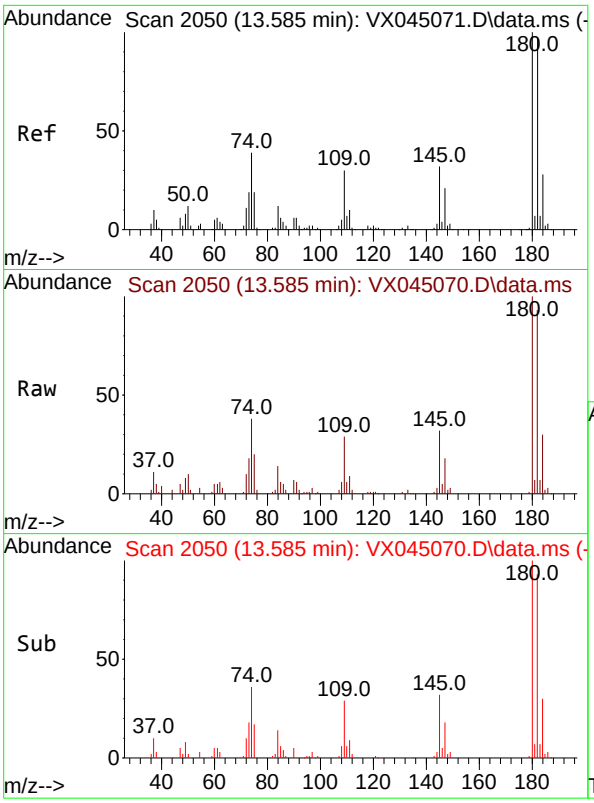


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4

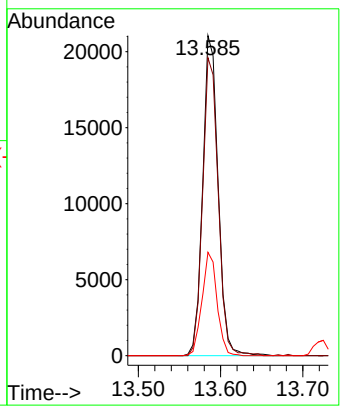




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

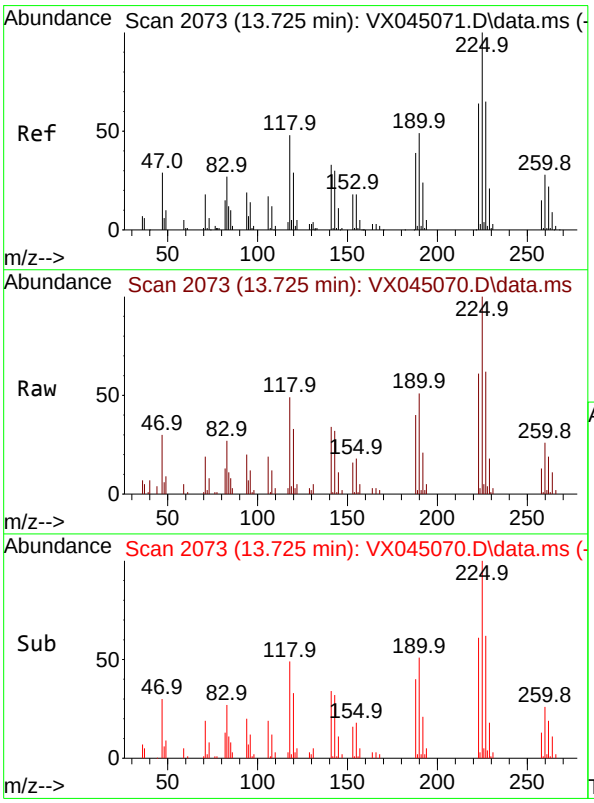
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

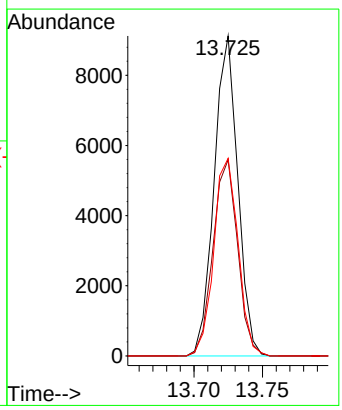
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

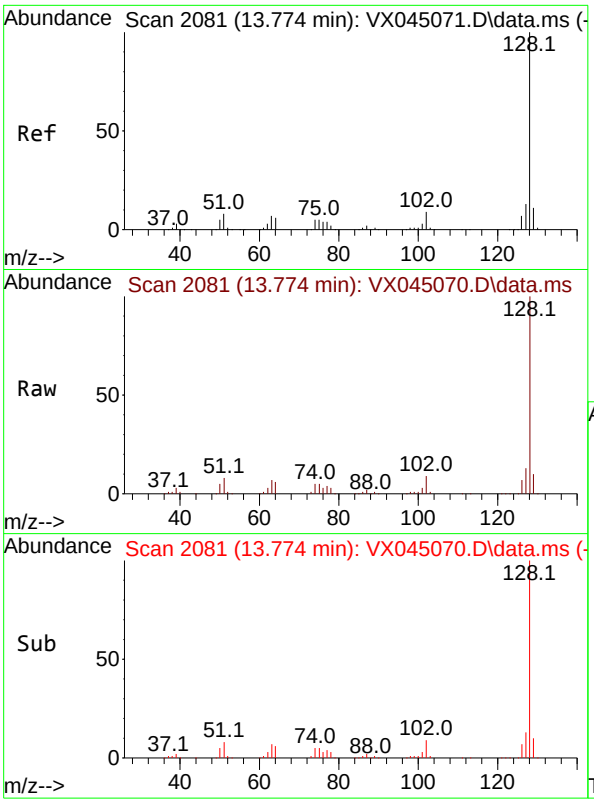


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0

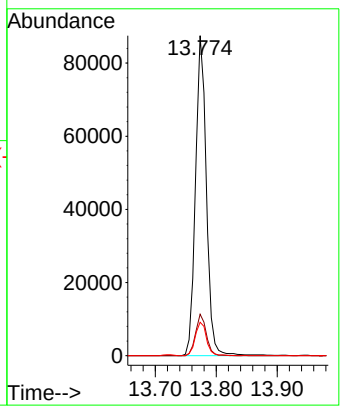




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

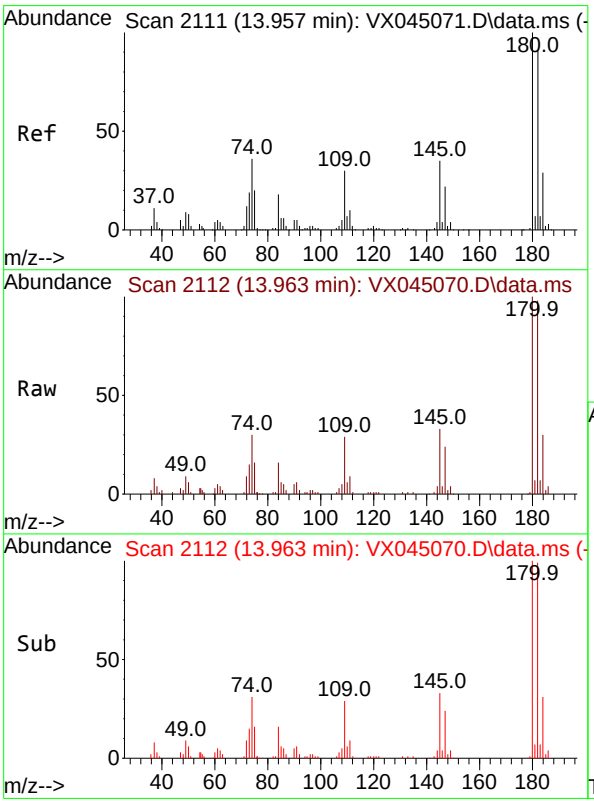
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

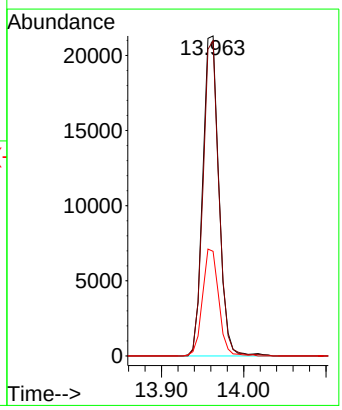
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l		
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

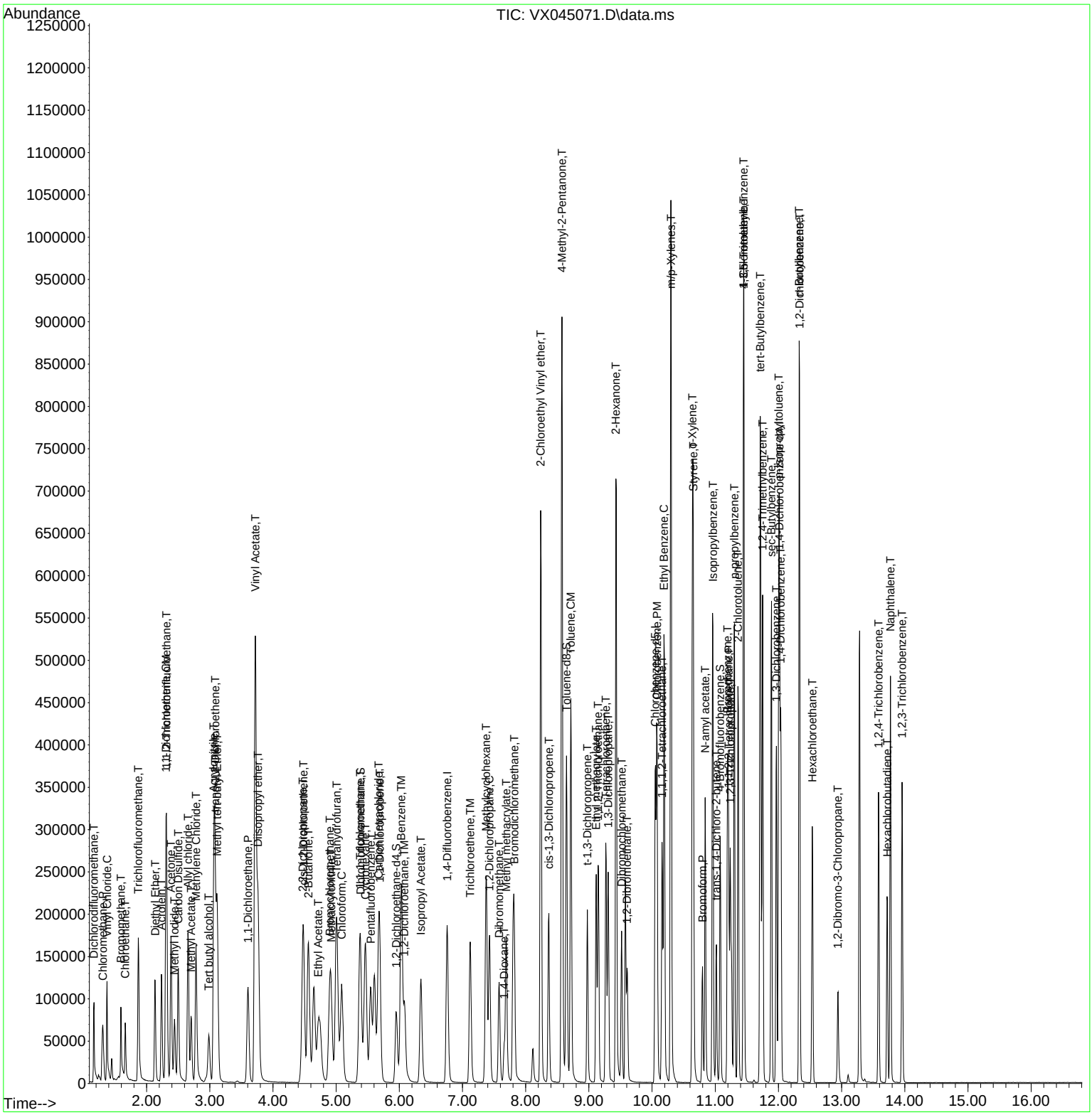
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

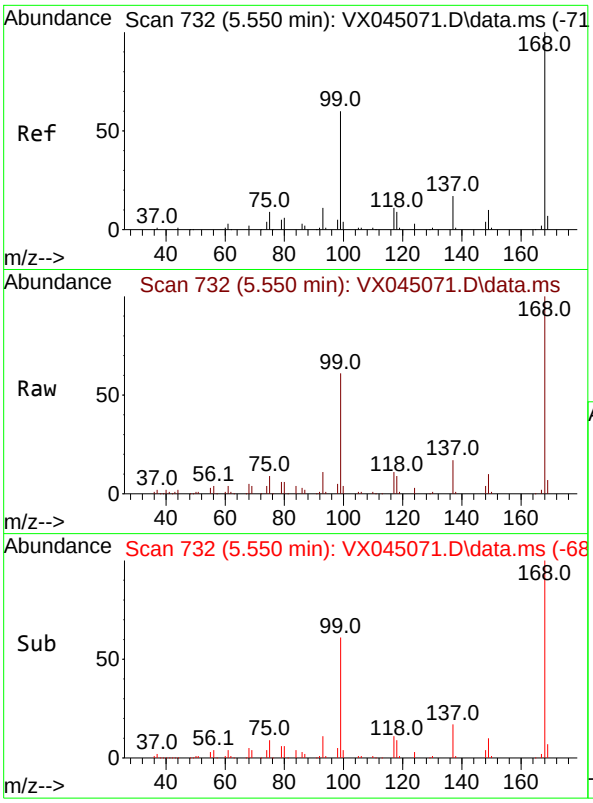
Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

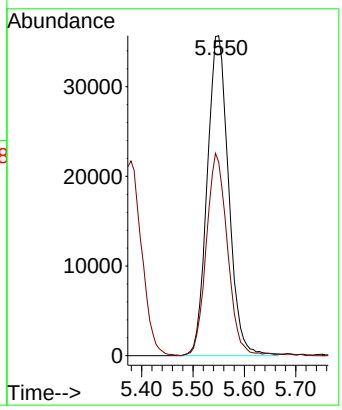




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

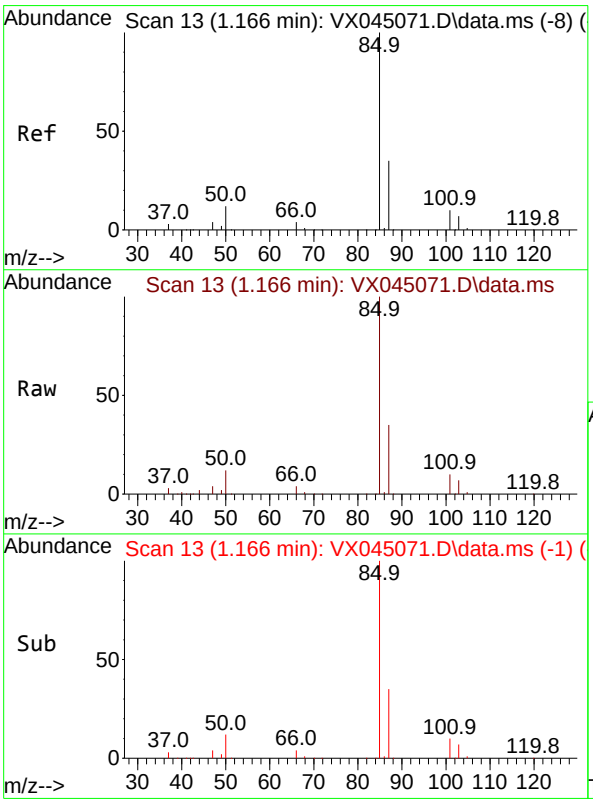
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

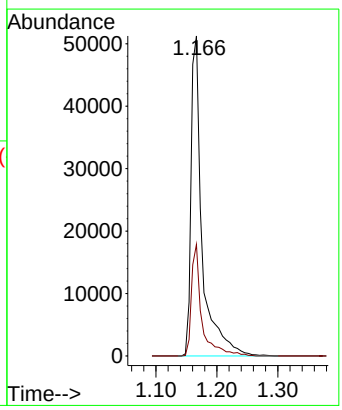
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

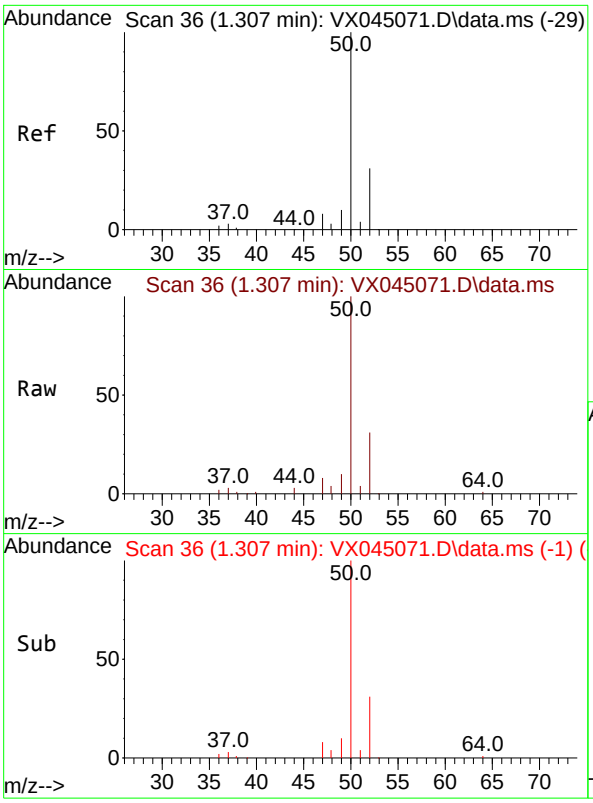


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

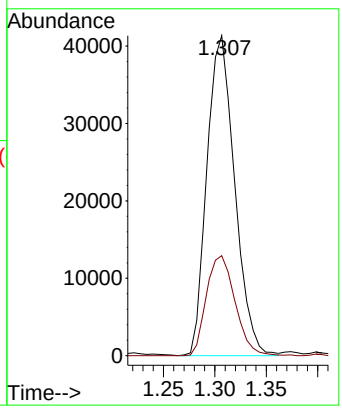




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

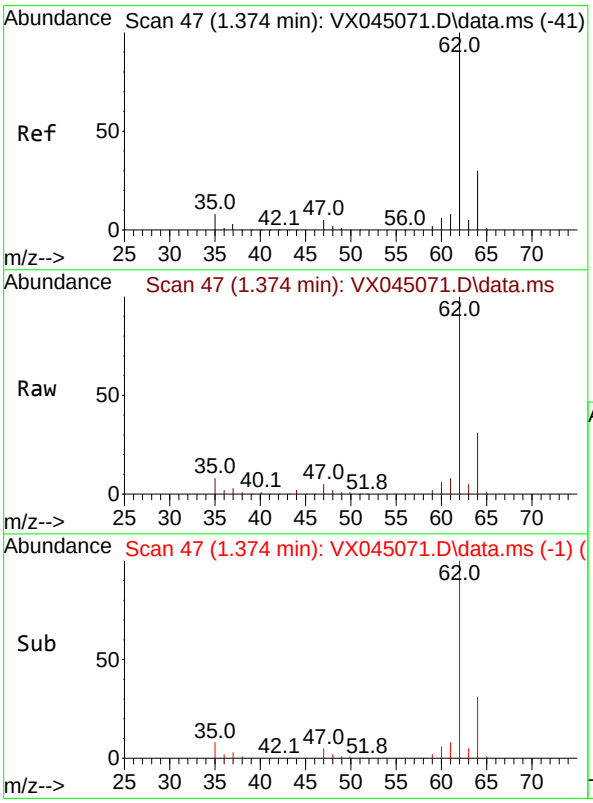
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

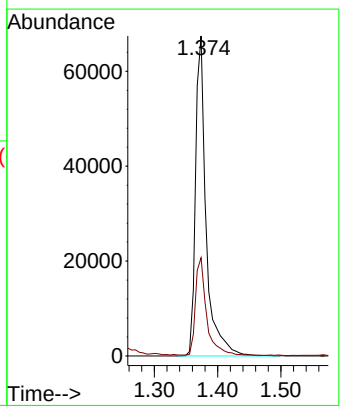
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

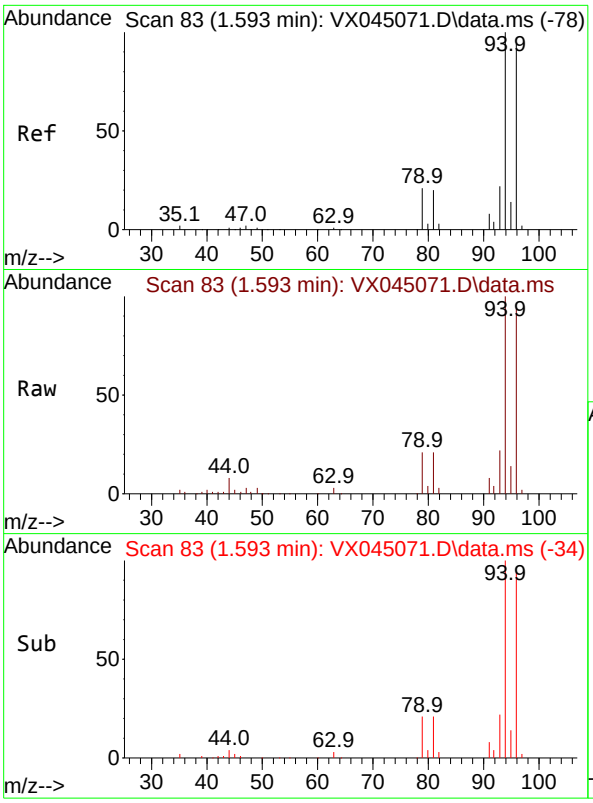


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

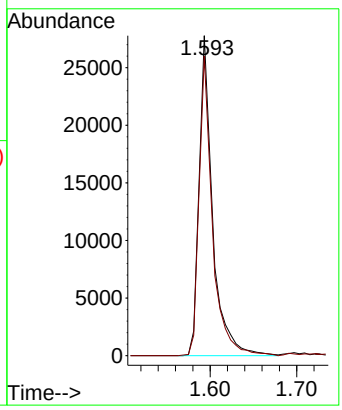




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

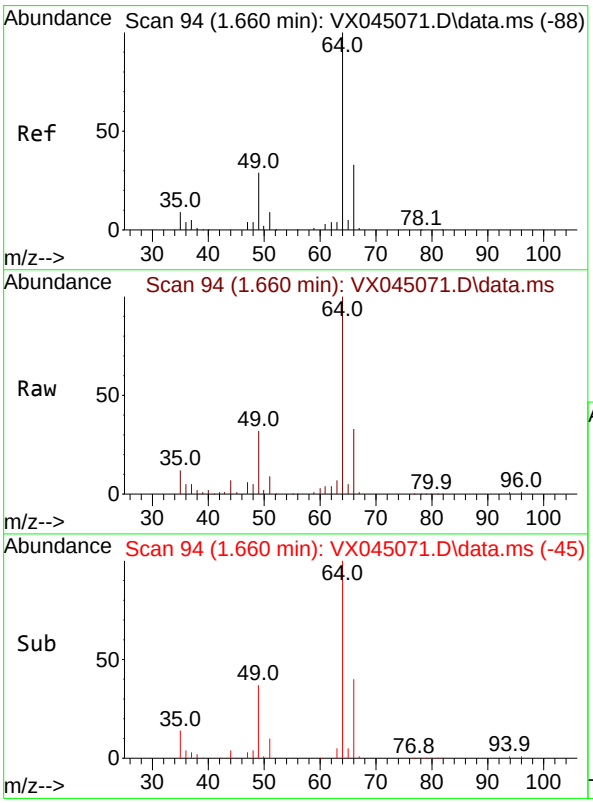
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

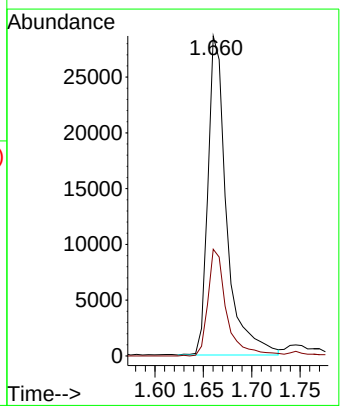
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

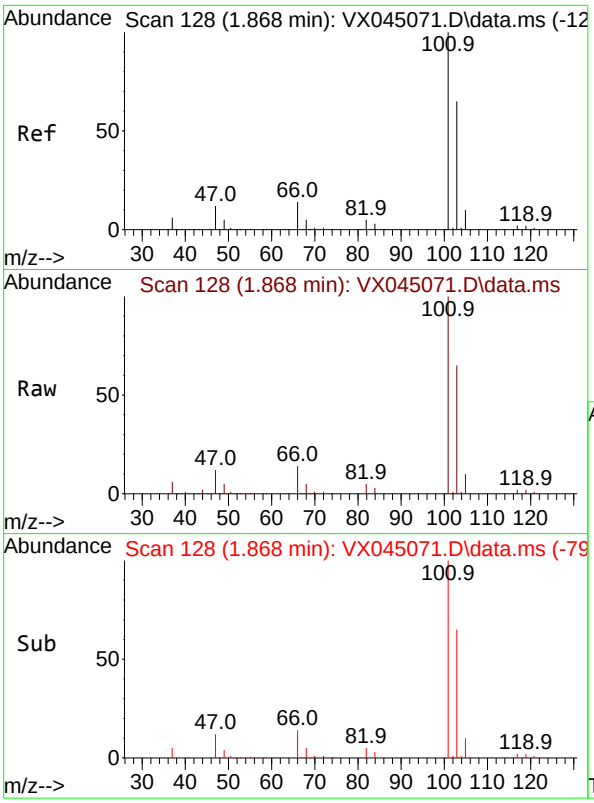


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

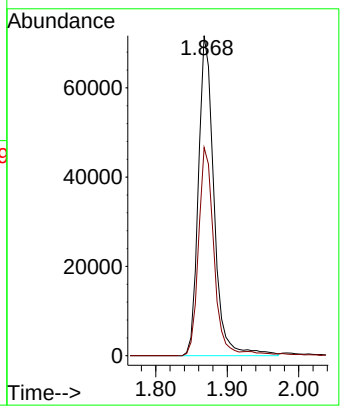




#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 10841

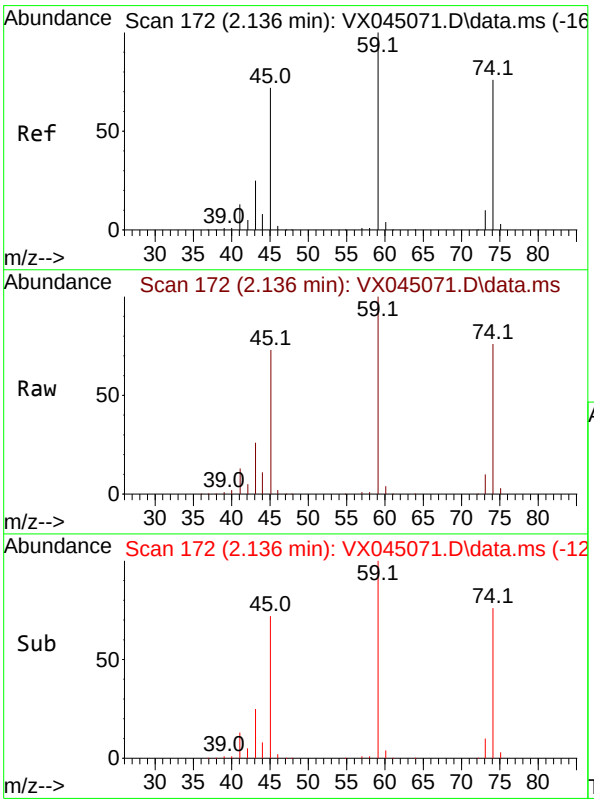
Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

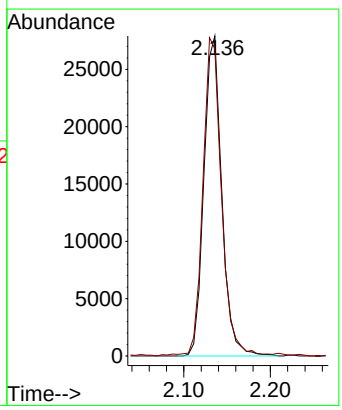
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

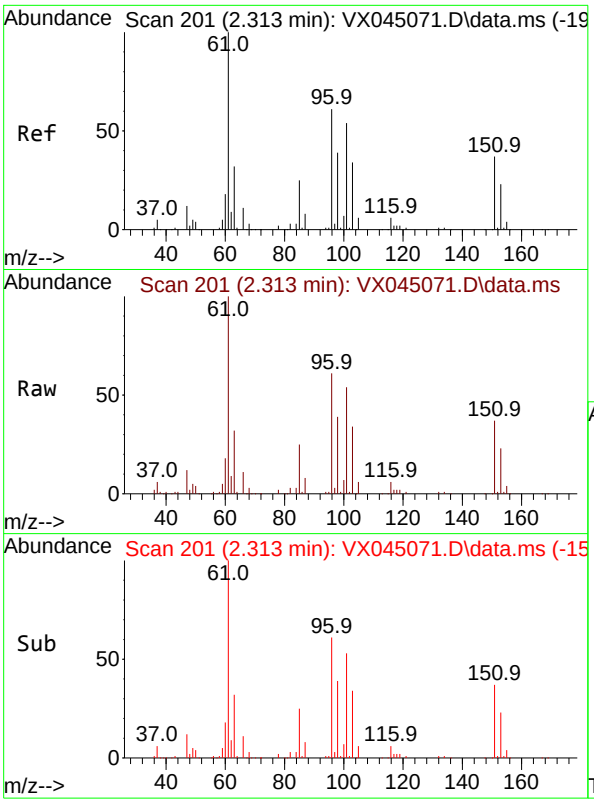


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

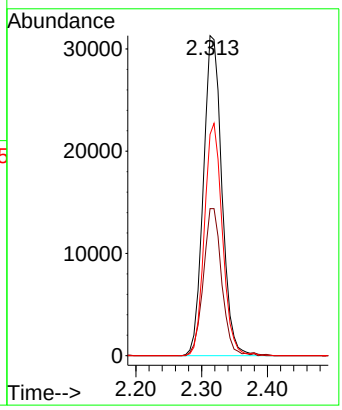
Tgt Ion:101 Resp: 6131

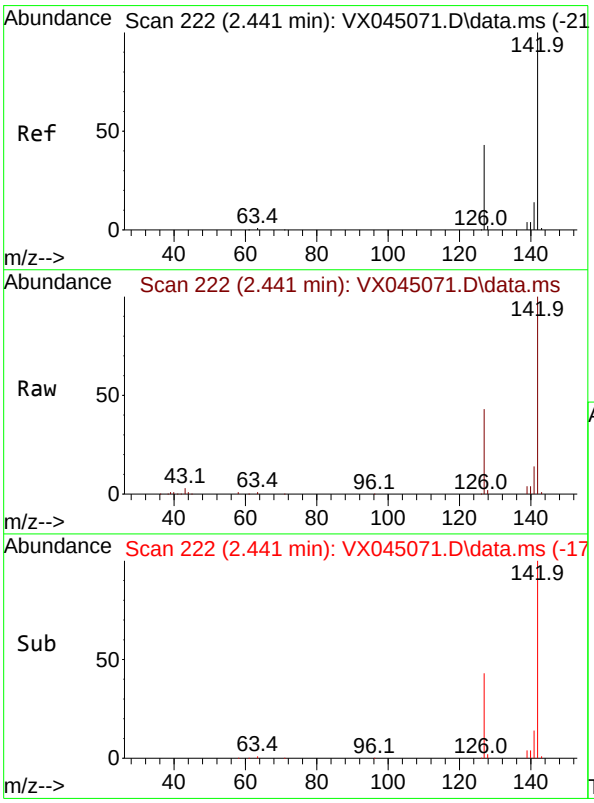
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

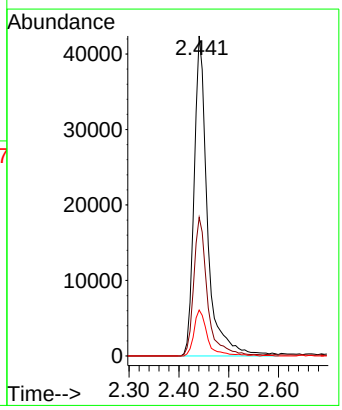


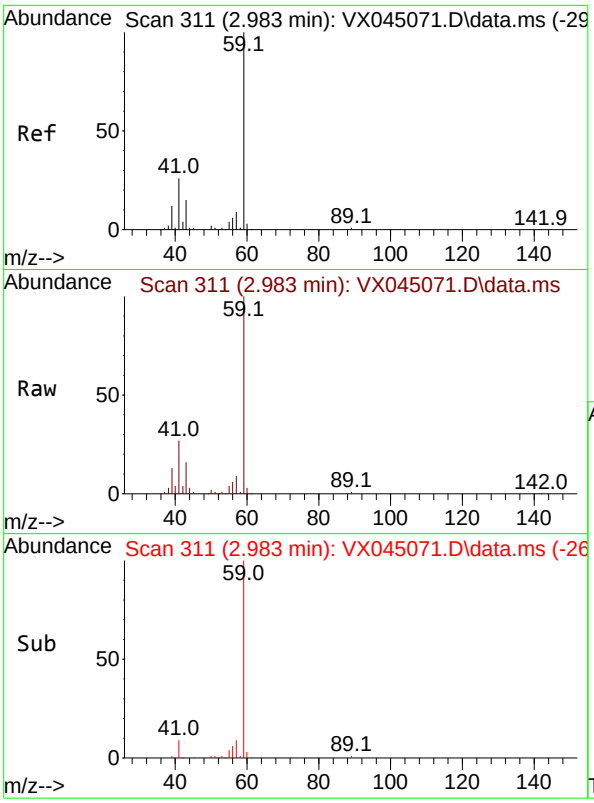


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4

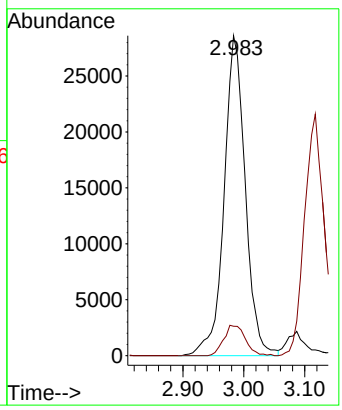




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

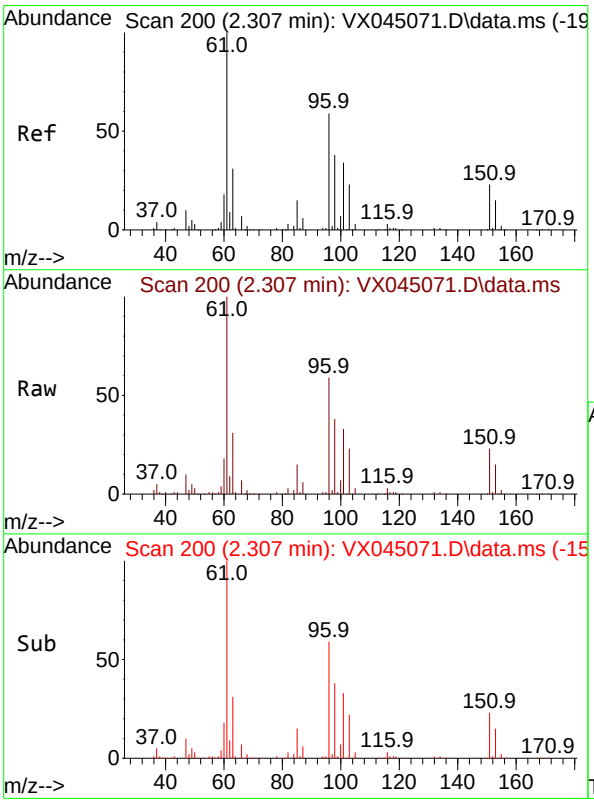
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

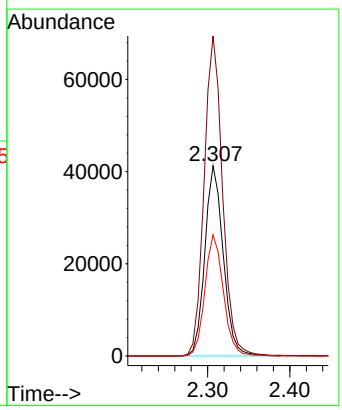
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

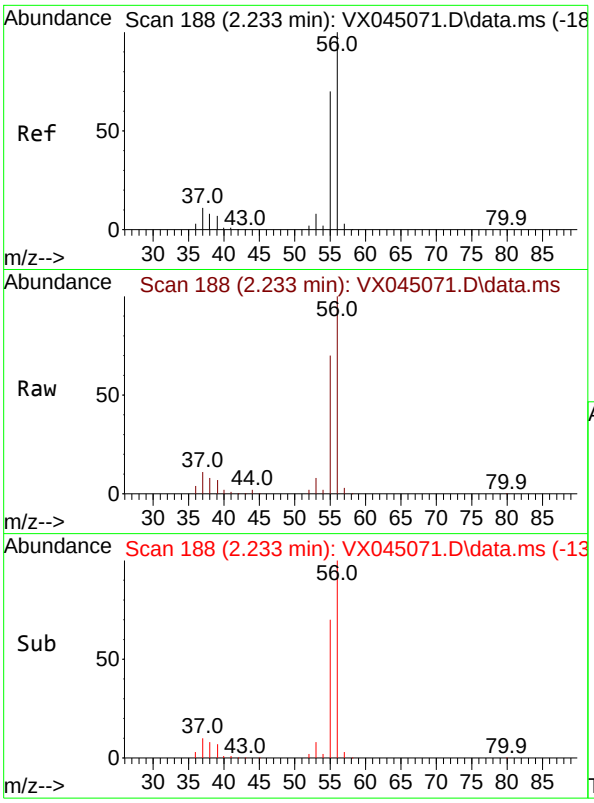


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6

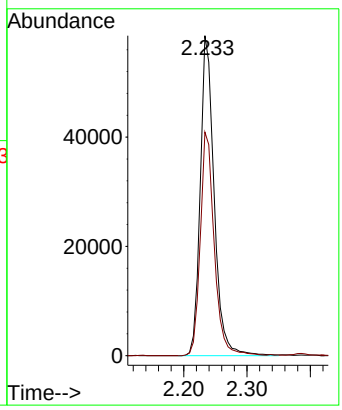




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

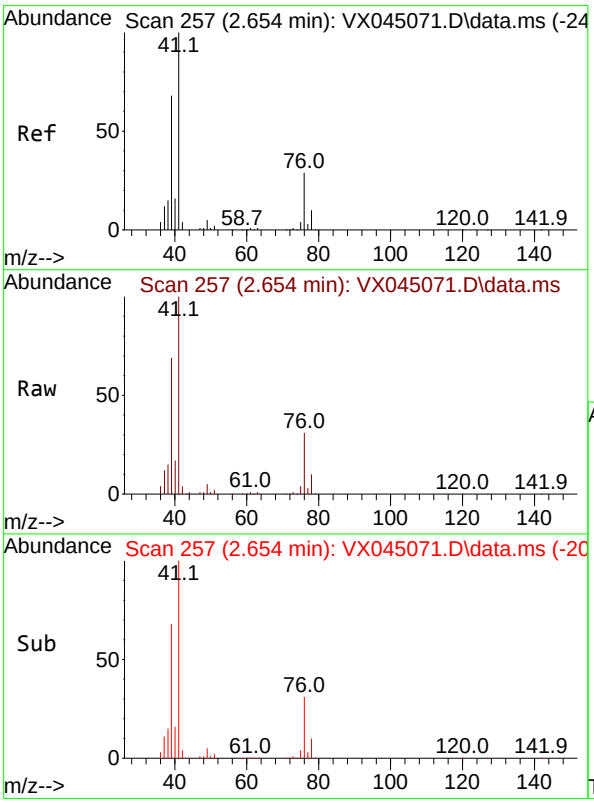
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

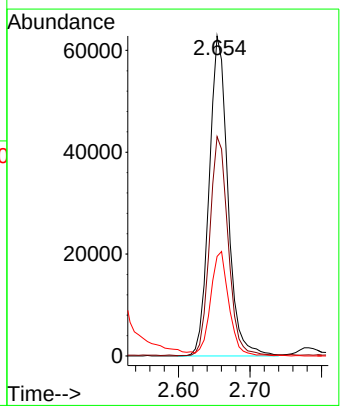
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

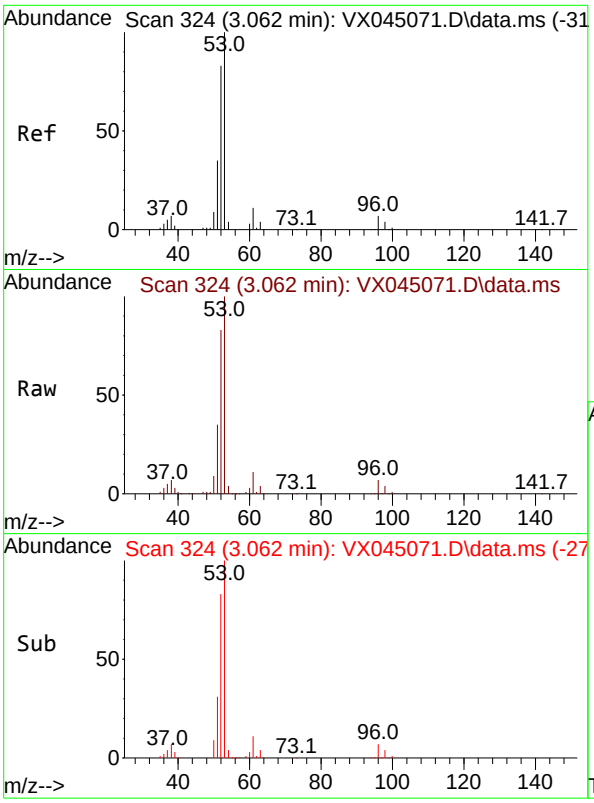


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8

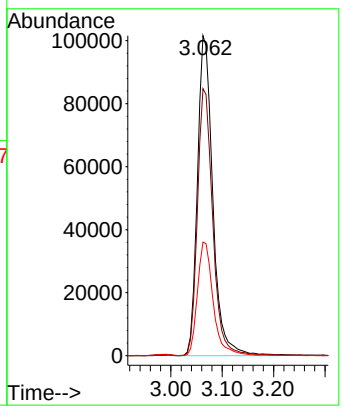




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

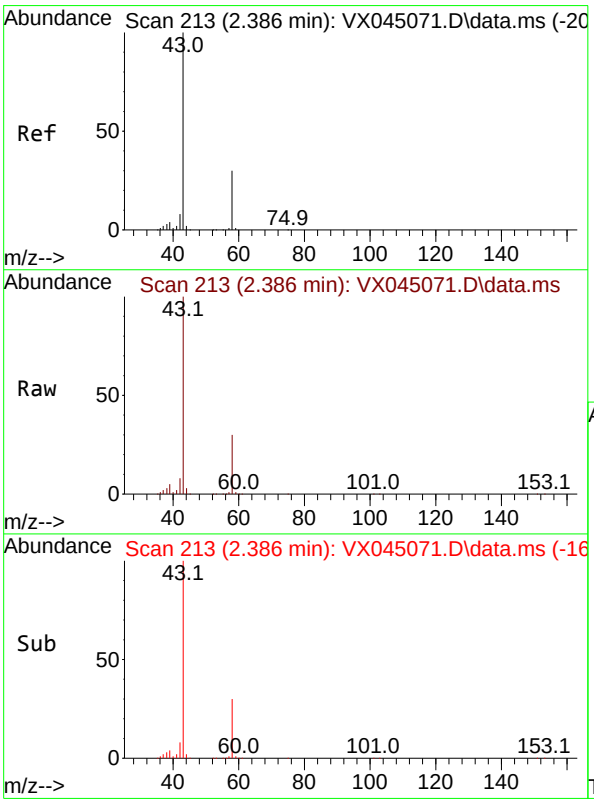
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

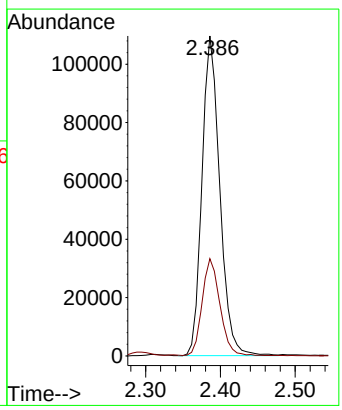
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

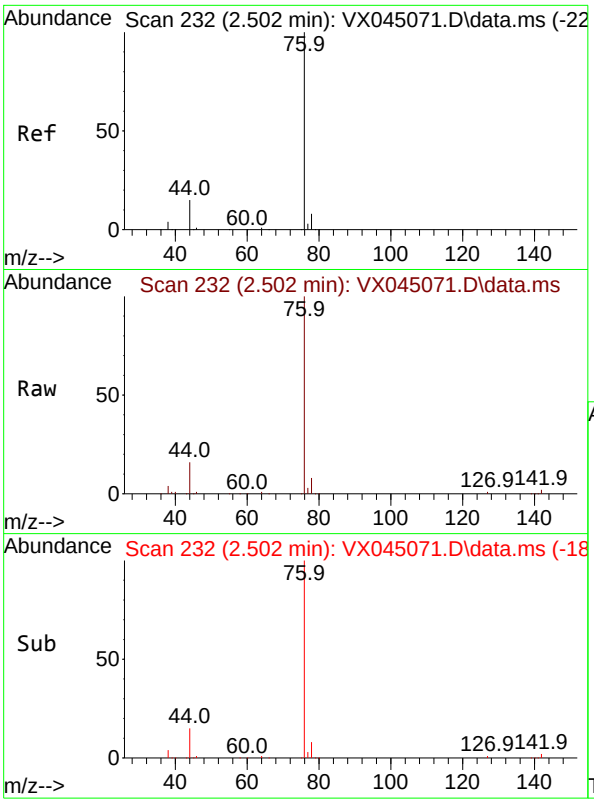


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

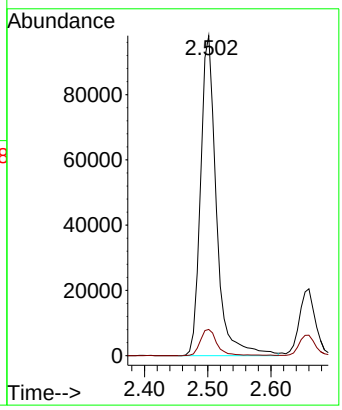
Tgt Ion: 76 Resp: 17135

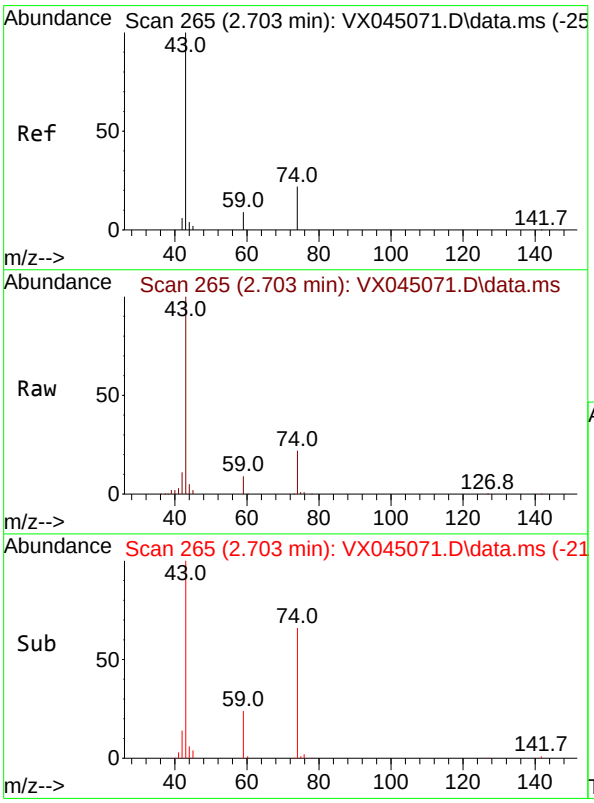
Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

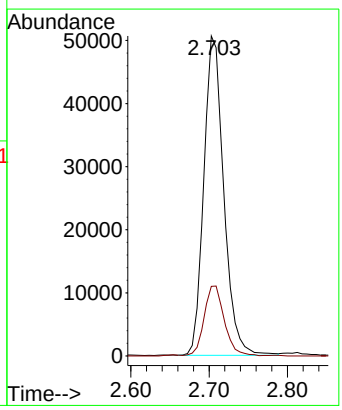


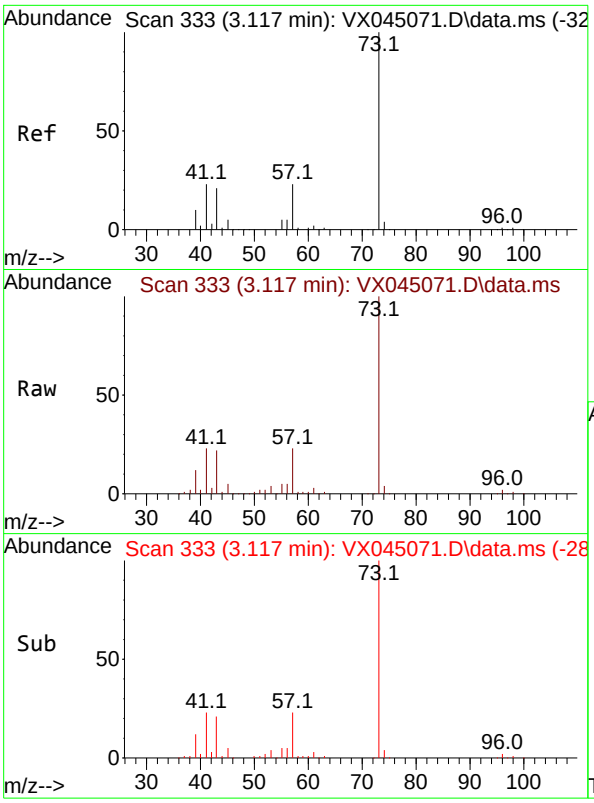


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

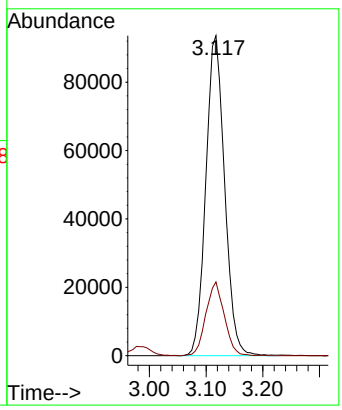




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

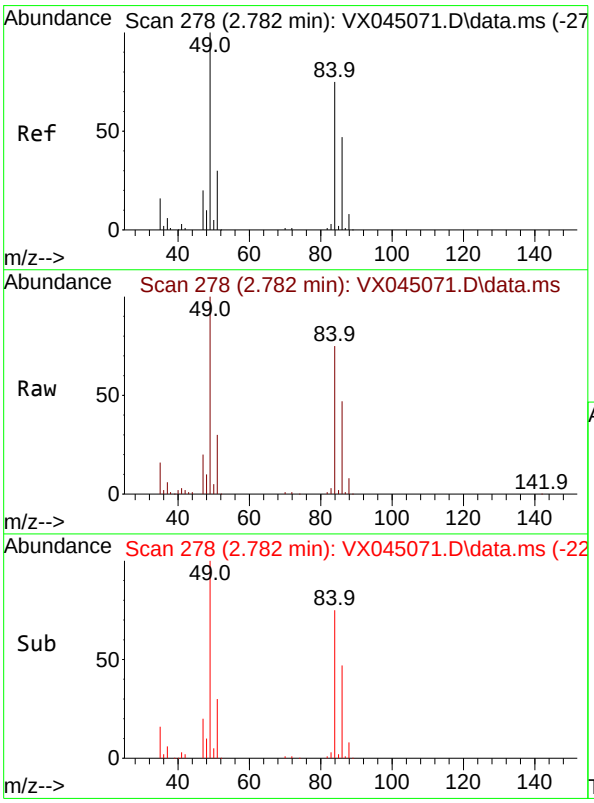
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

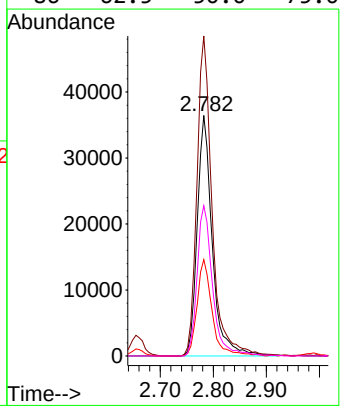
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

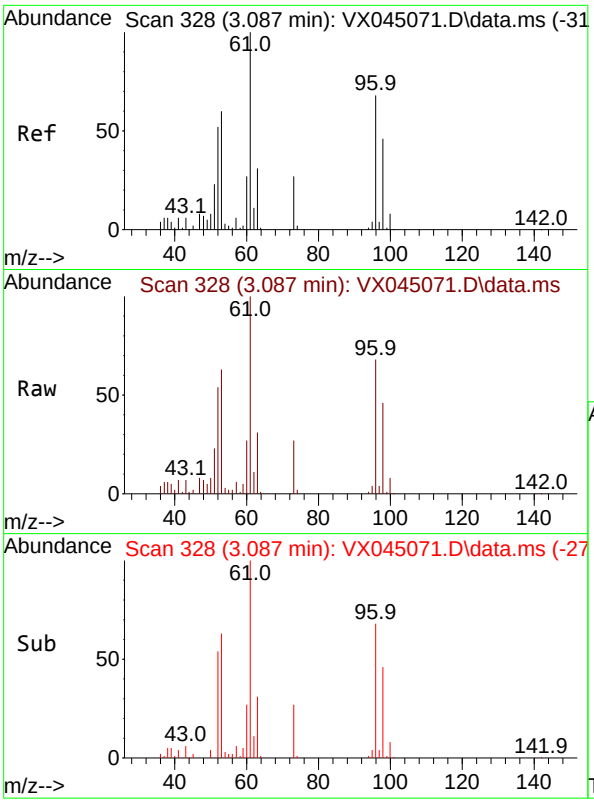


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

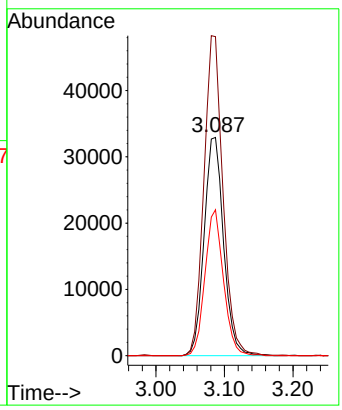
Tgt Ion: 96 Resp: 6509

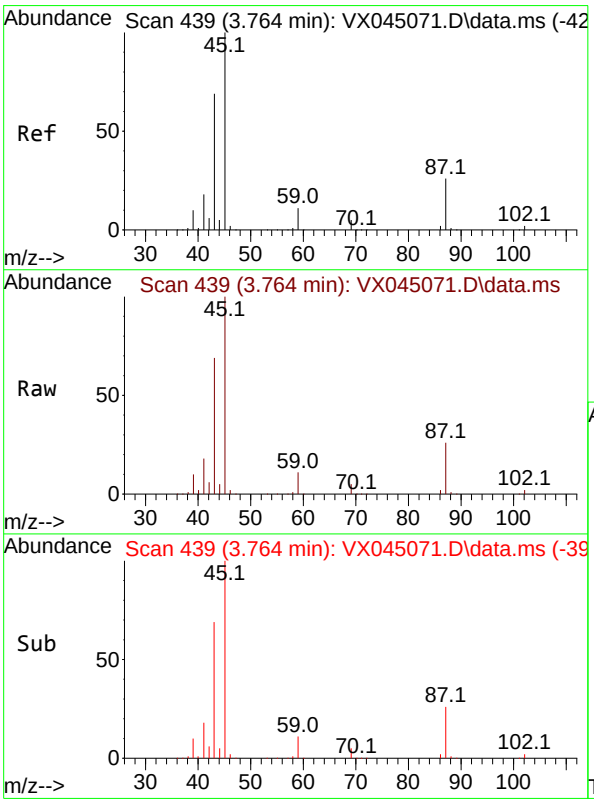
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

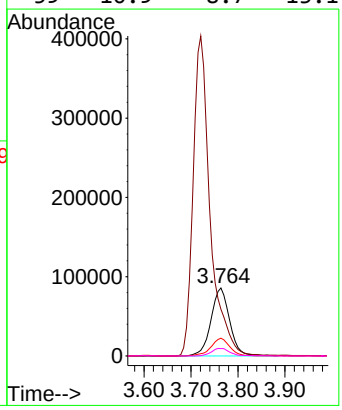


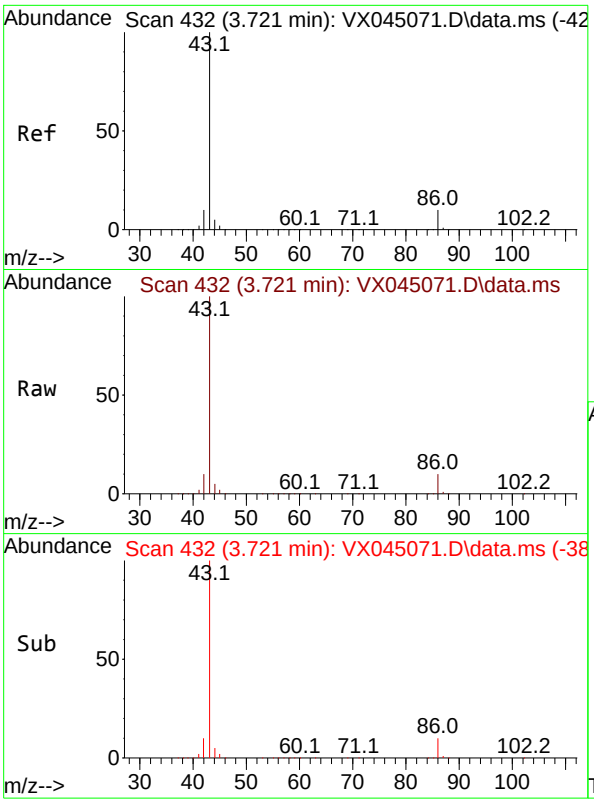


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1

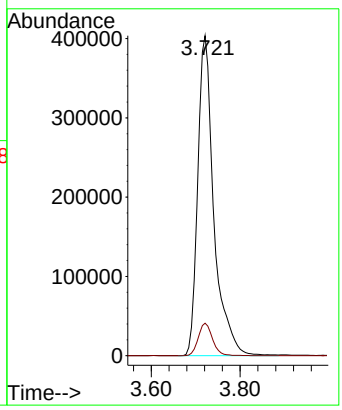




#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 101863

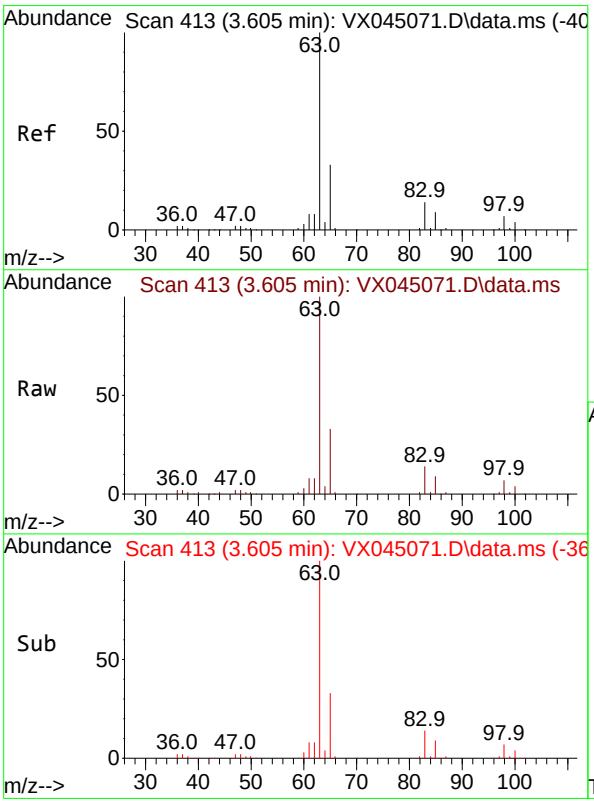
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

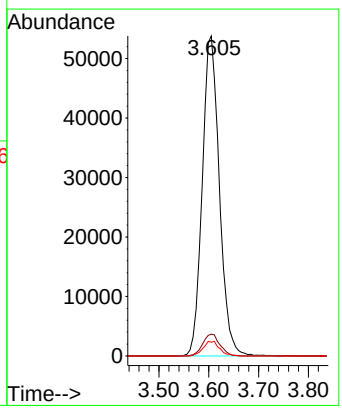
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

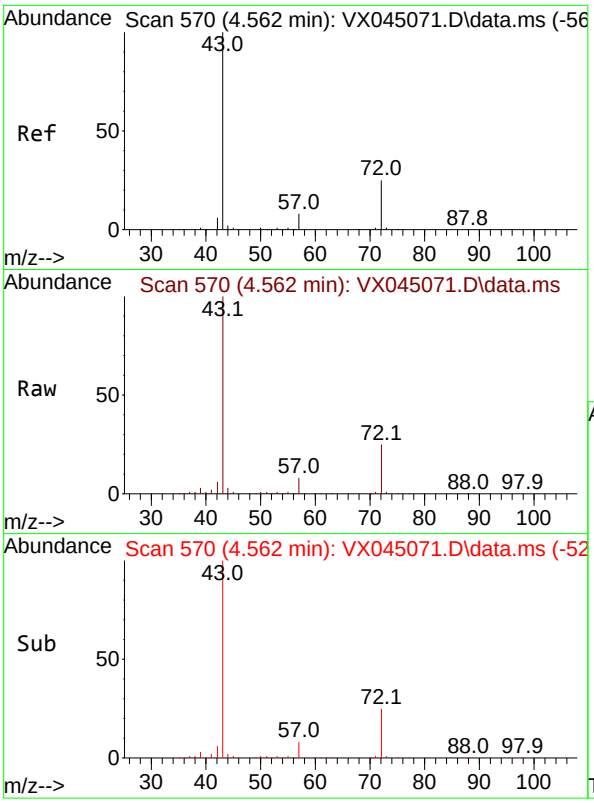


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5

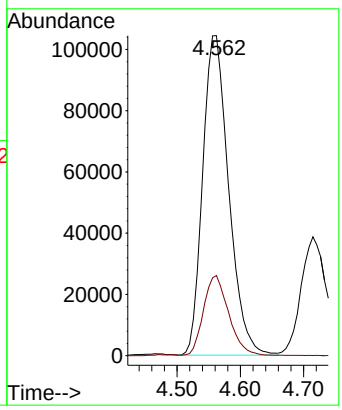




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

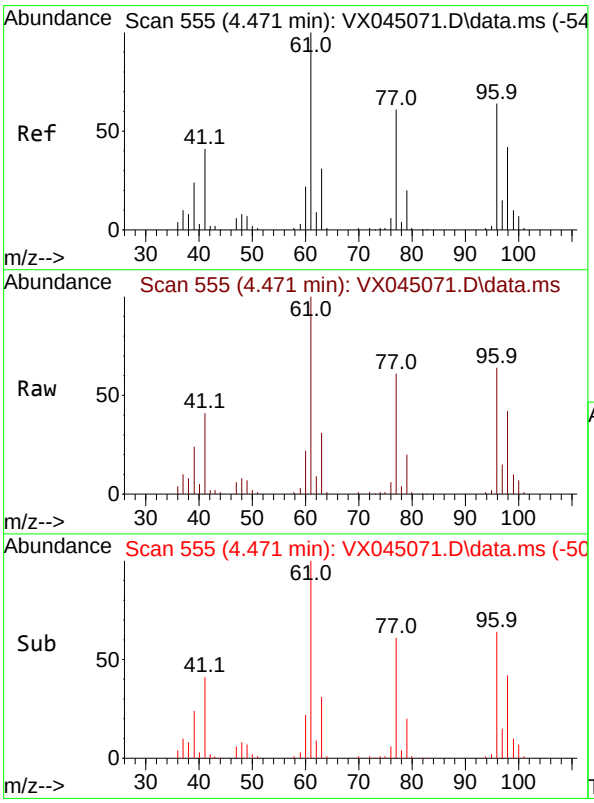
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

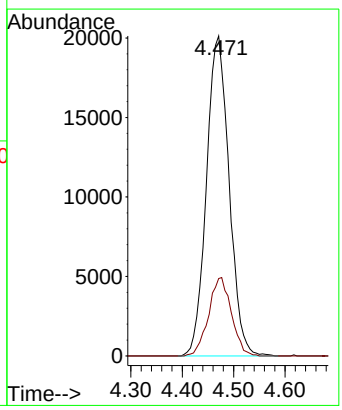
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

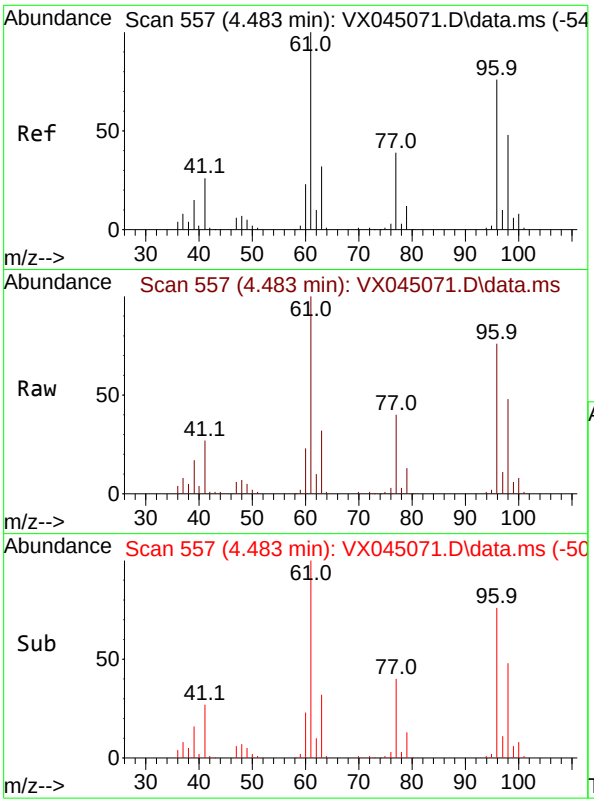


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0

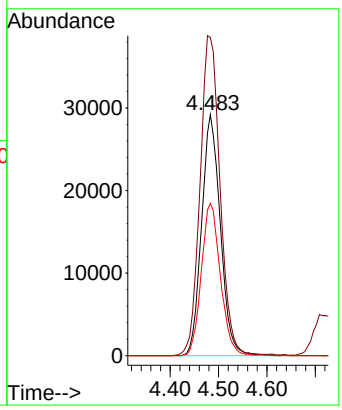




#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 7865

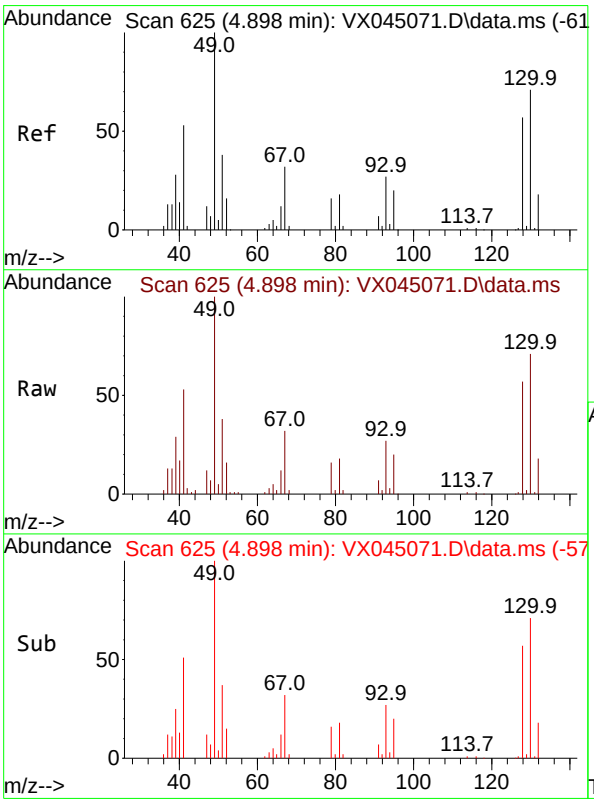
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

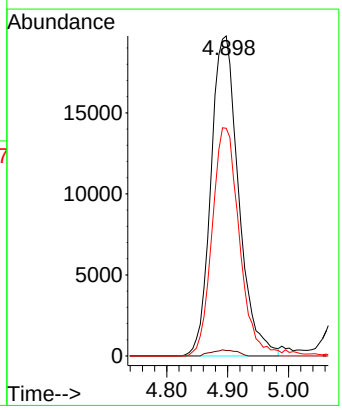
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

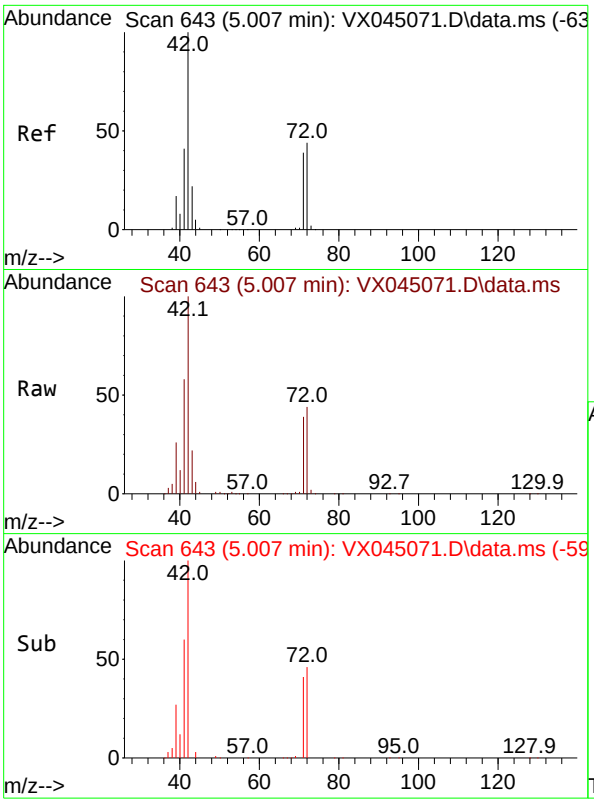


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

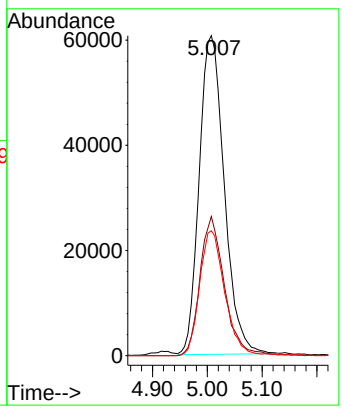




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

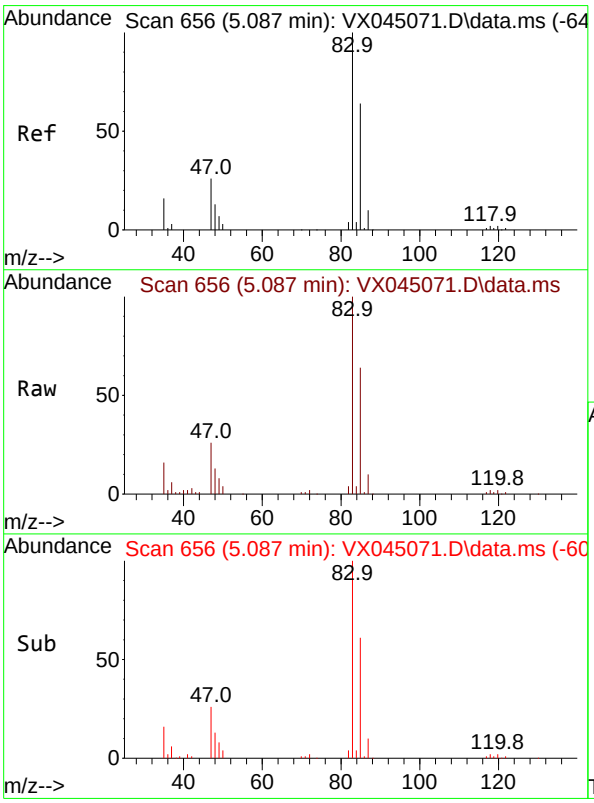
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

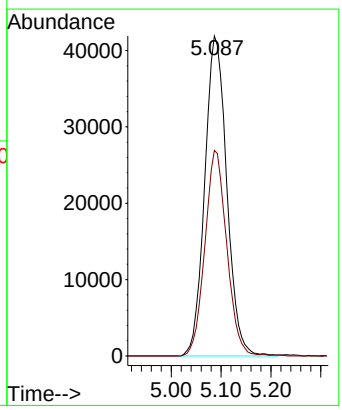
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

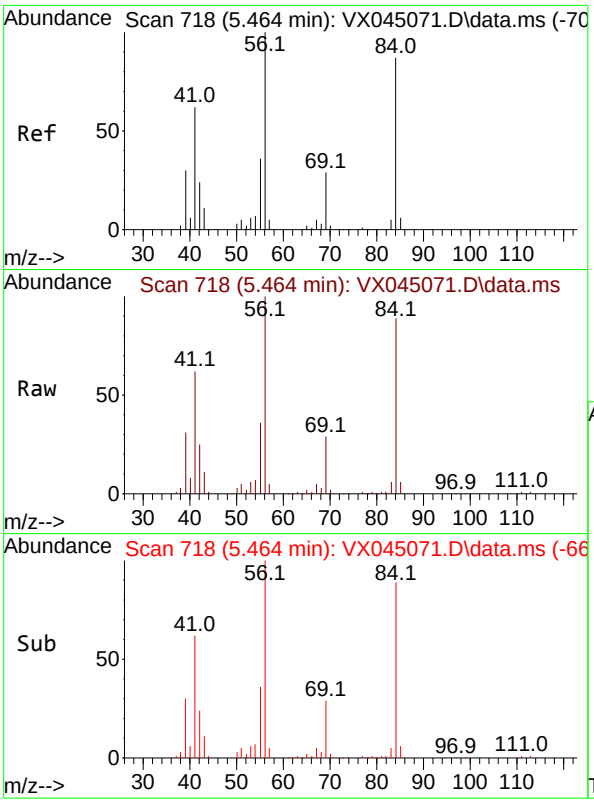


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

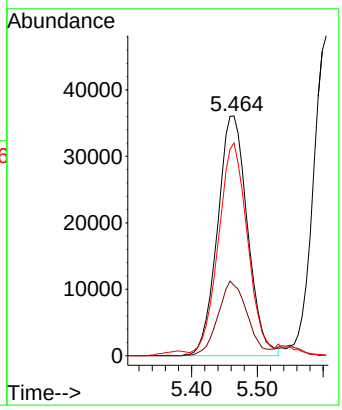




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

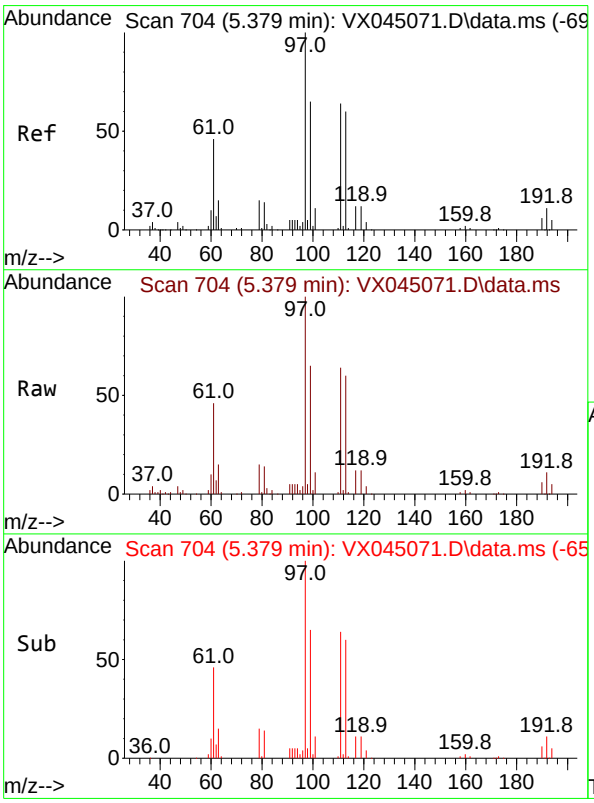
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

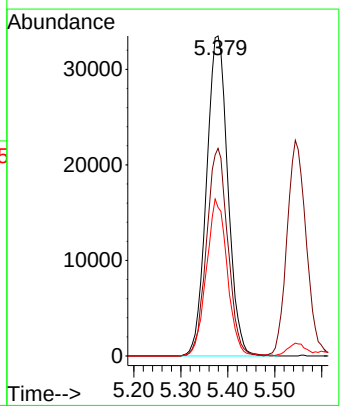
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

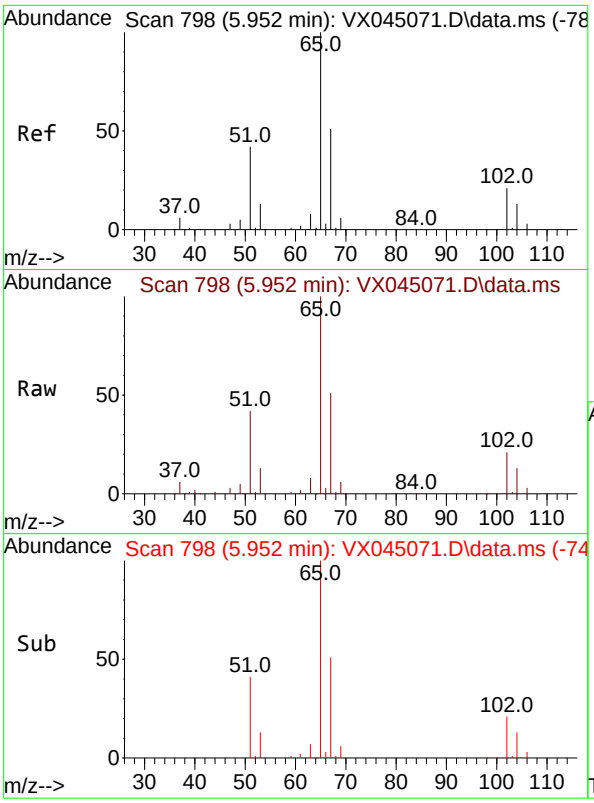


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6

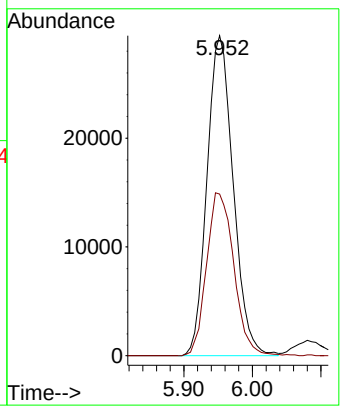




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

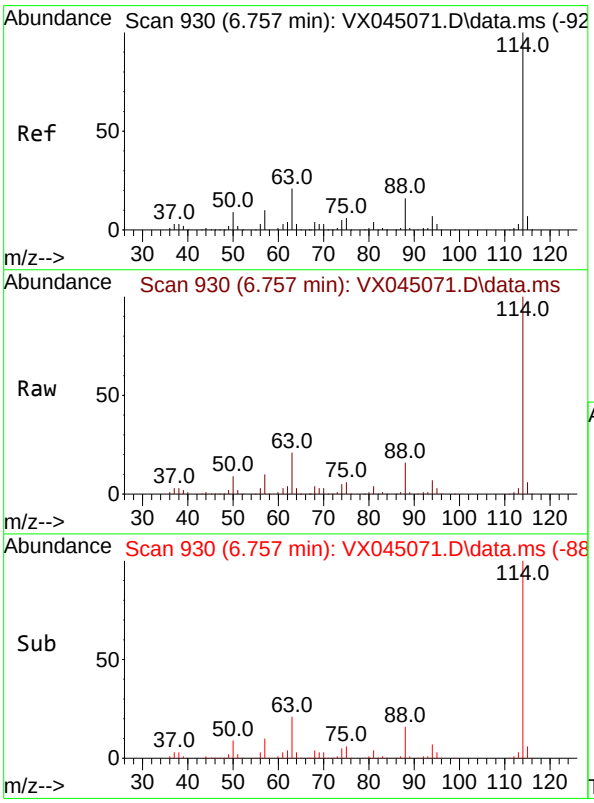
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

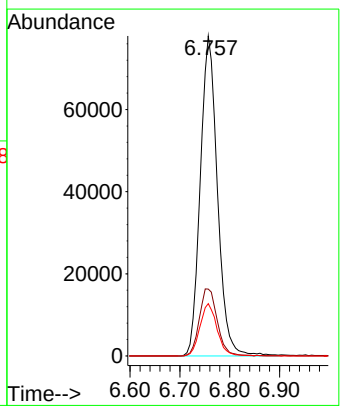
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

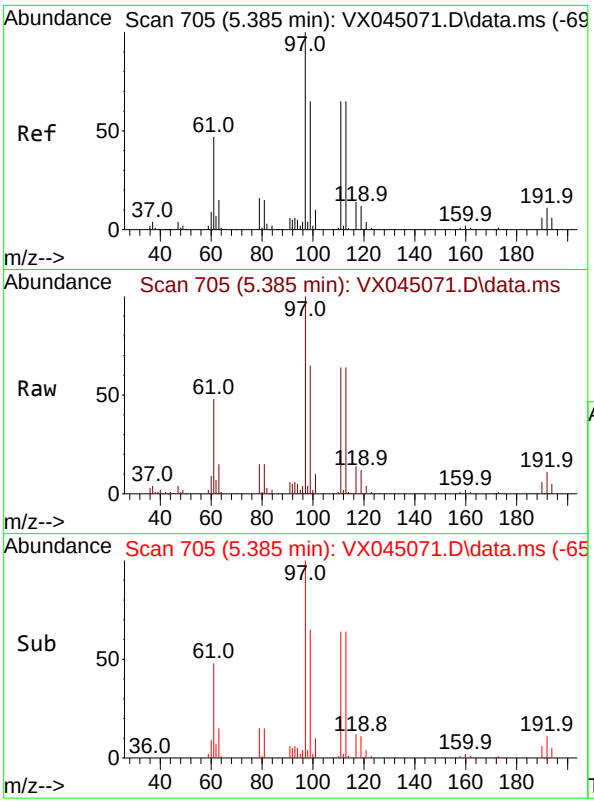


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8

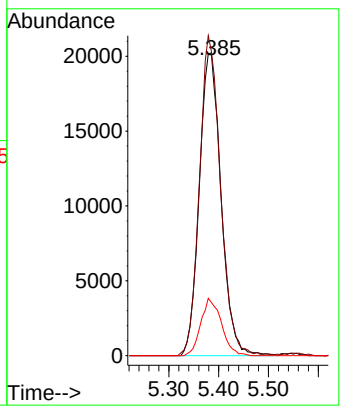




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

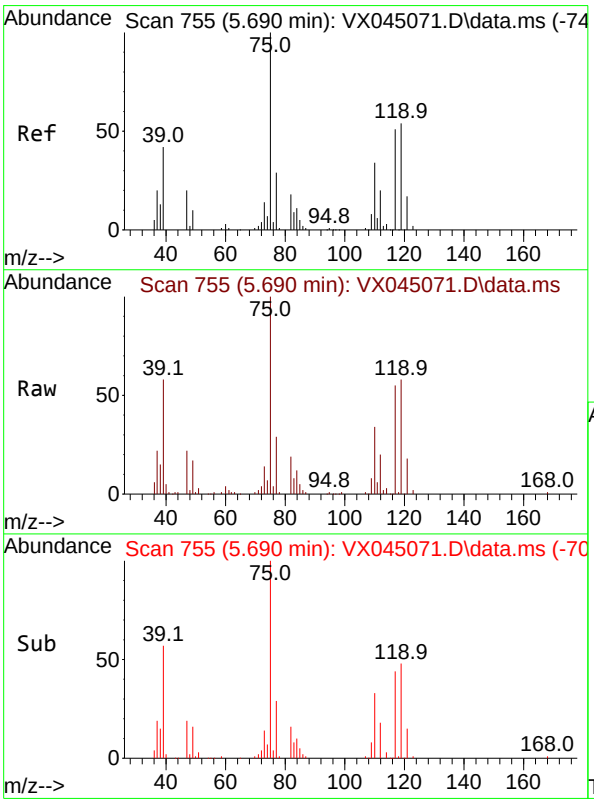
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

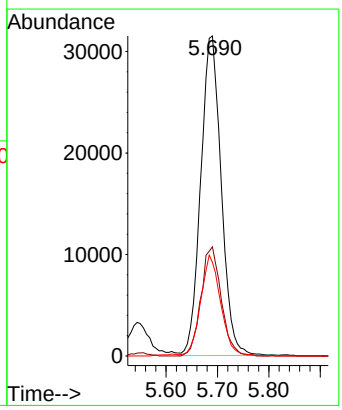
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

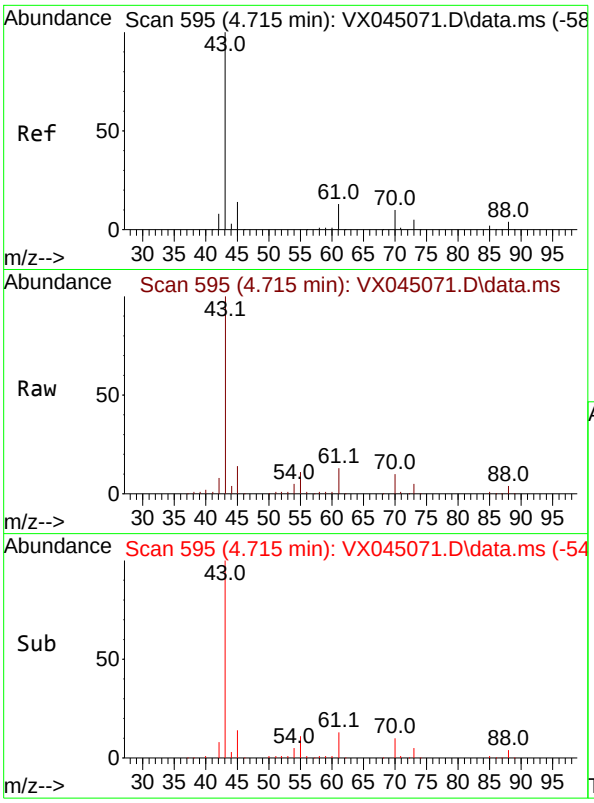


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7

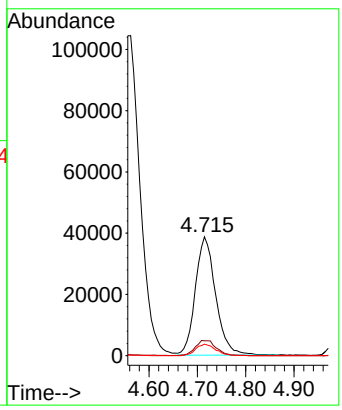




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

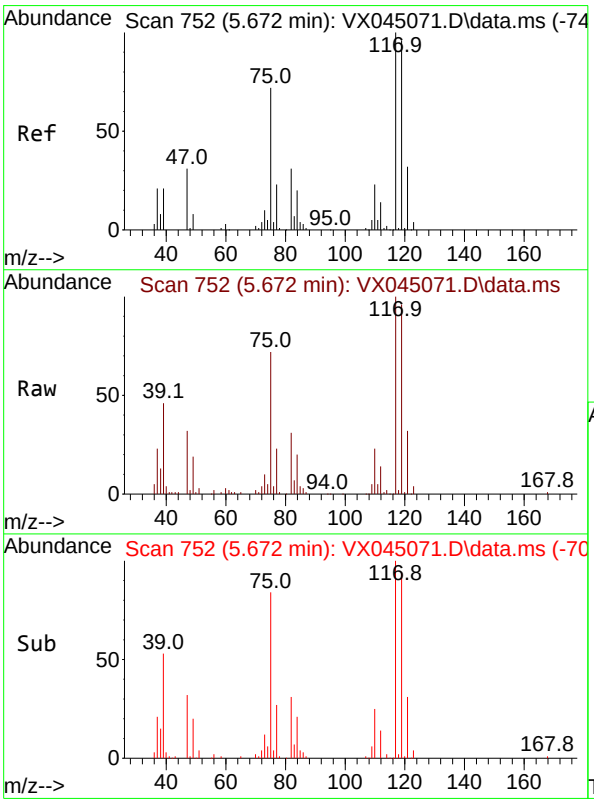
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

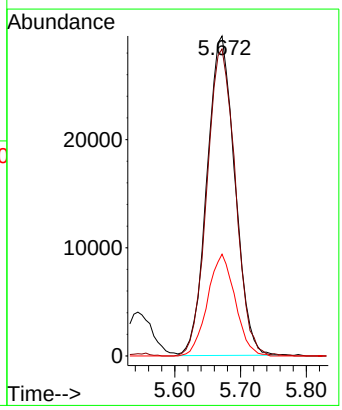
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

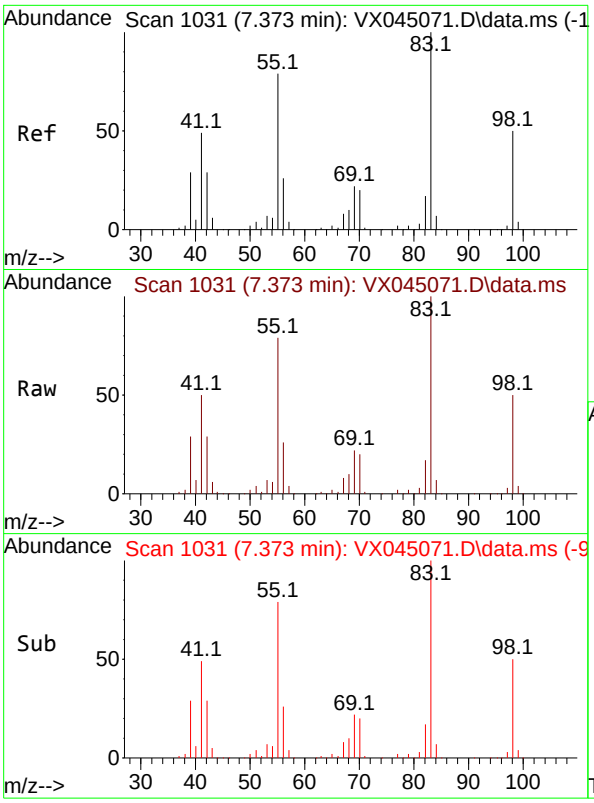


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3

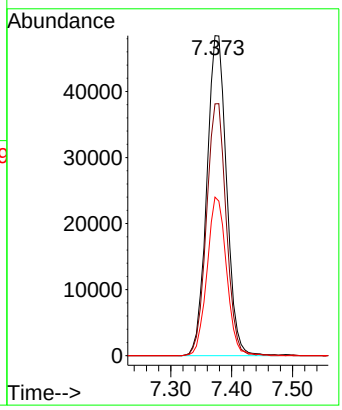




#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10897

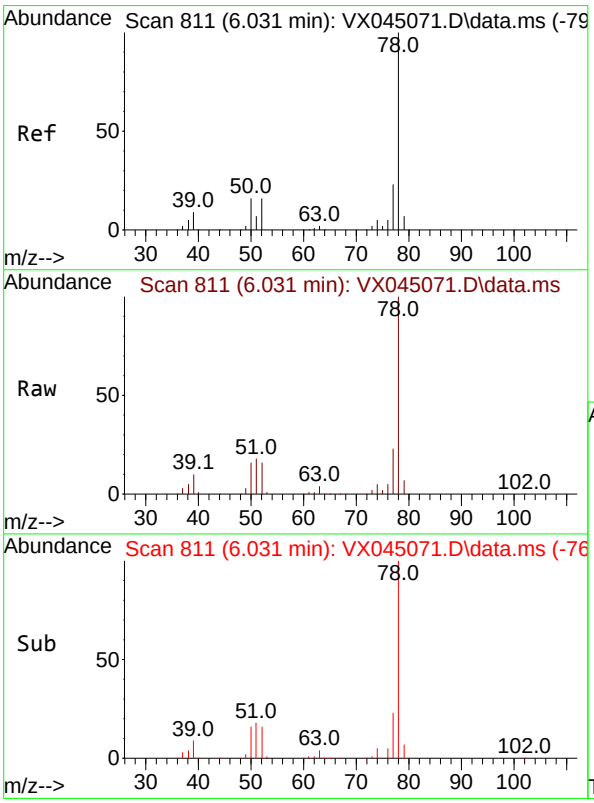
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

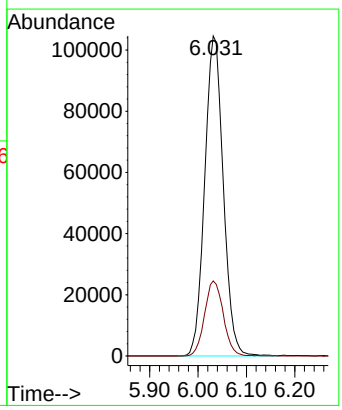
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

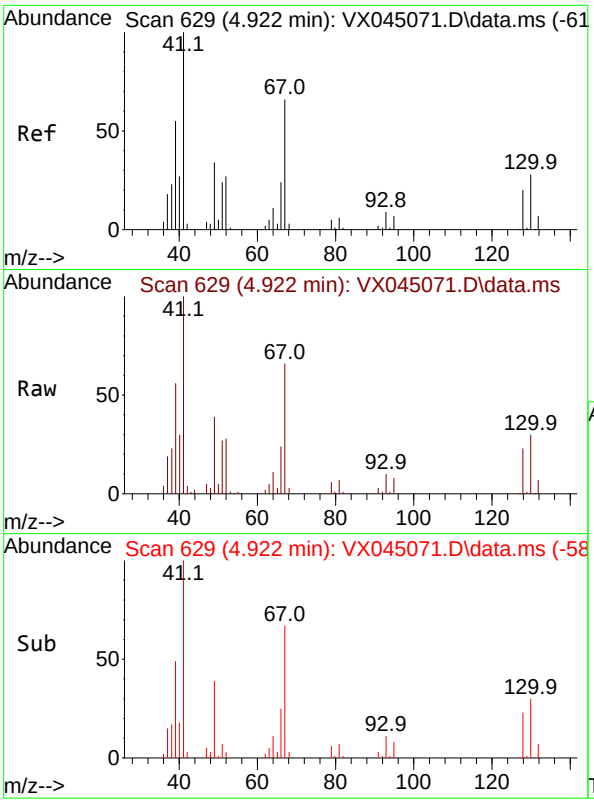


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

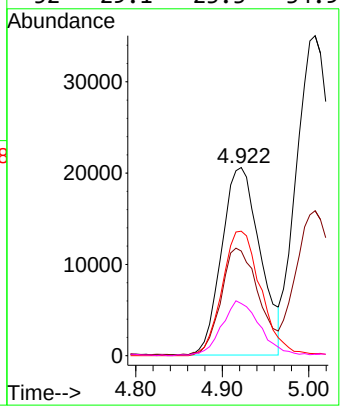




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

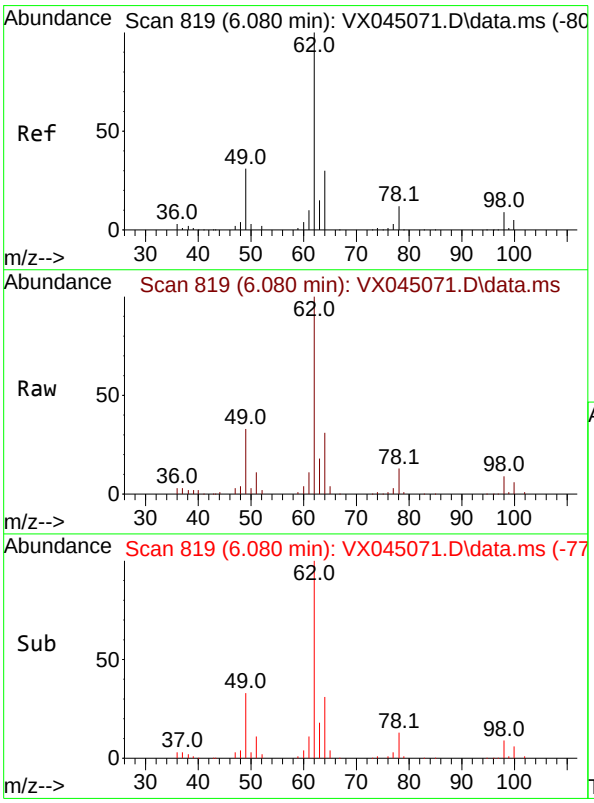
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

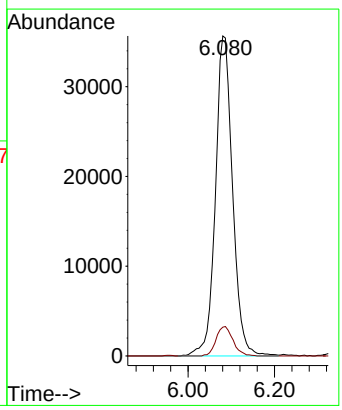
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

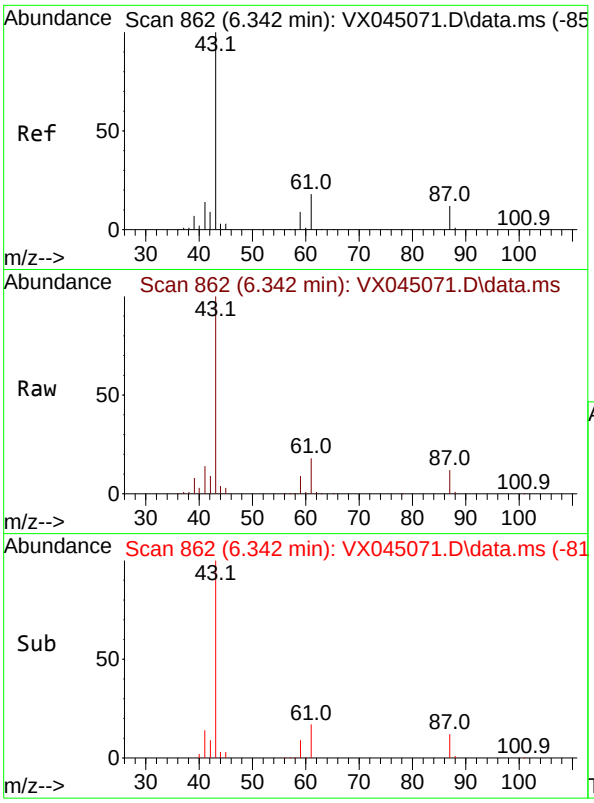


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

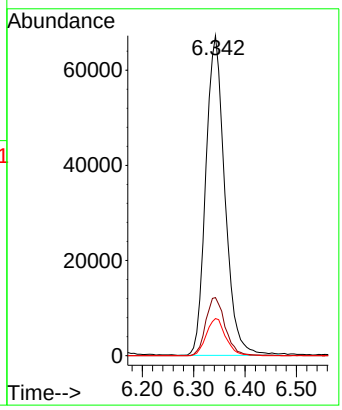
Tgt Ion: 43 Resp: 17304

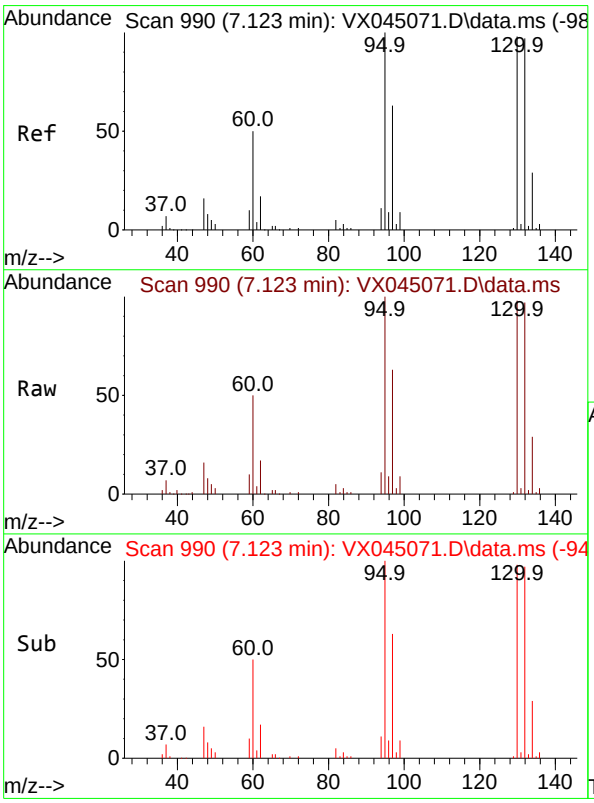
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

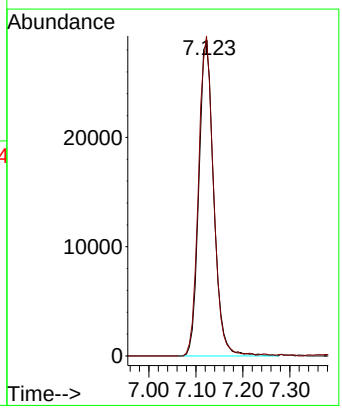


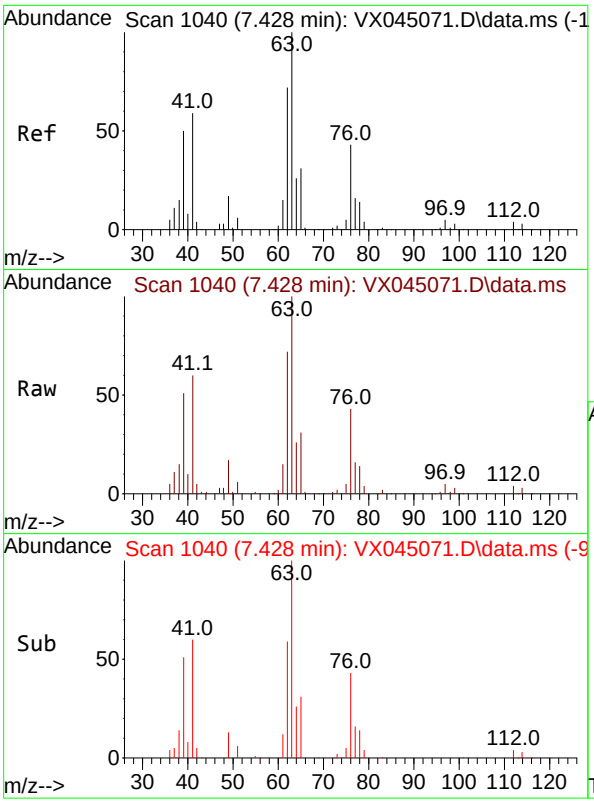


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

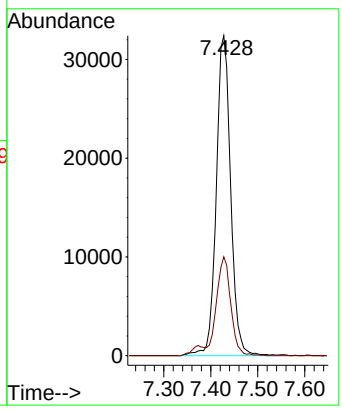




#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 6912

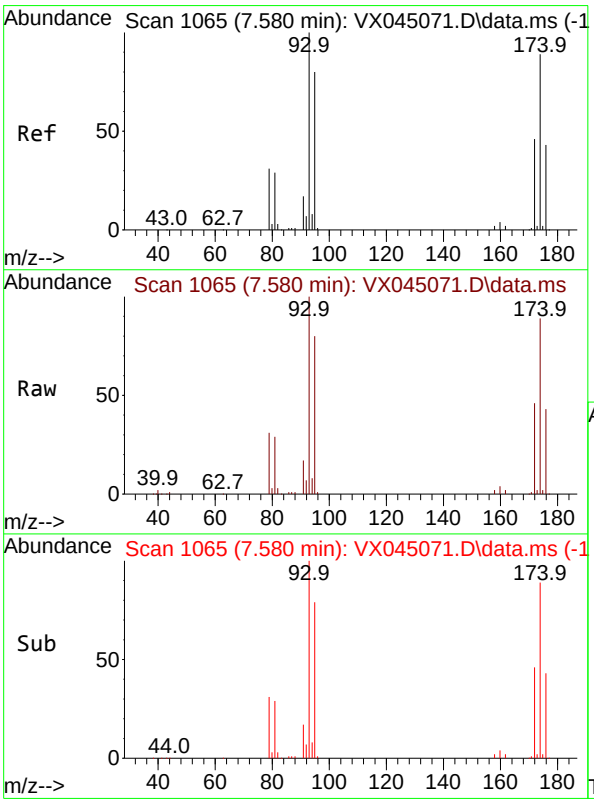
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

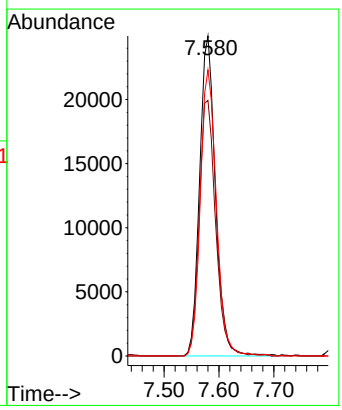
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

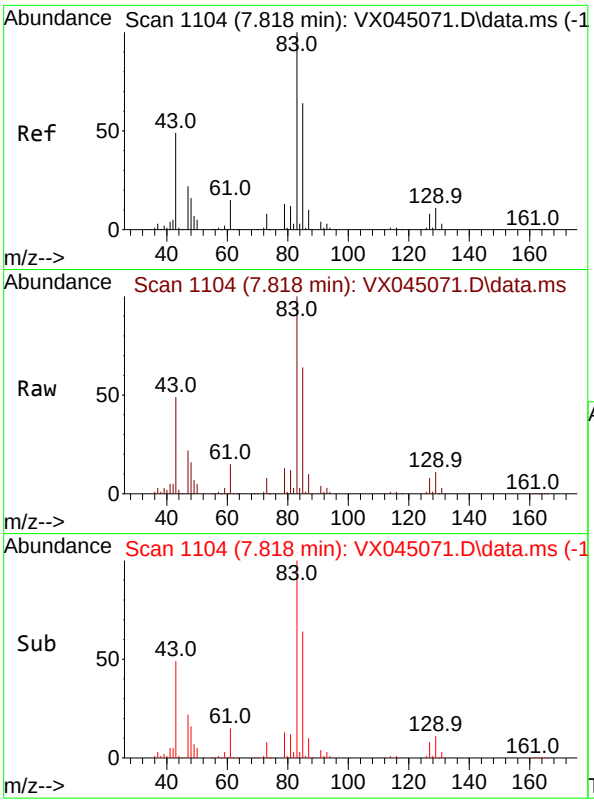


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2

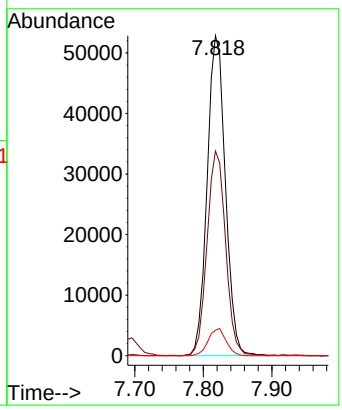




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

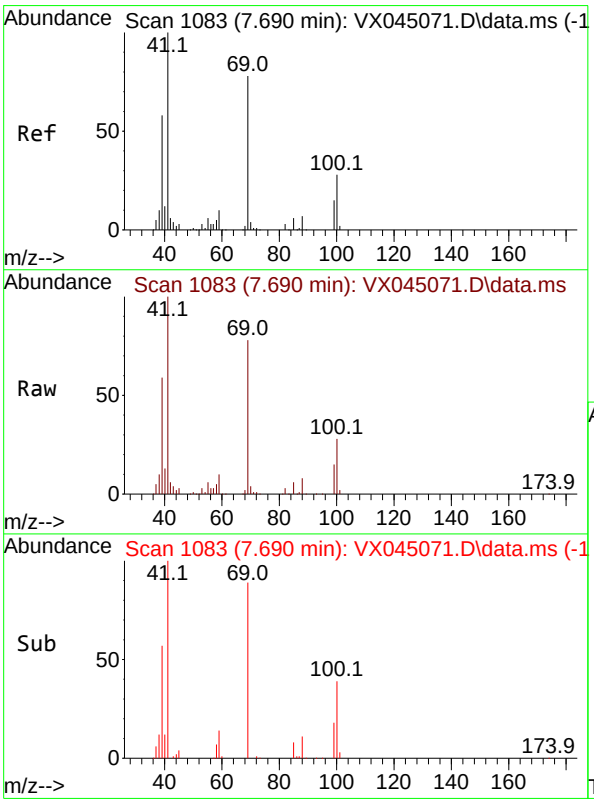
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

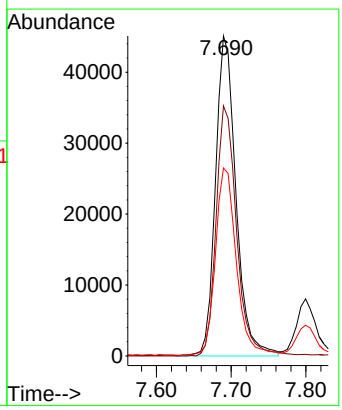
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

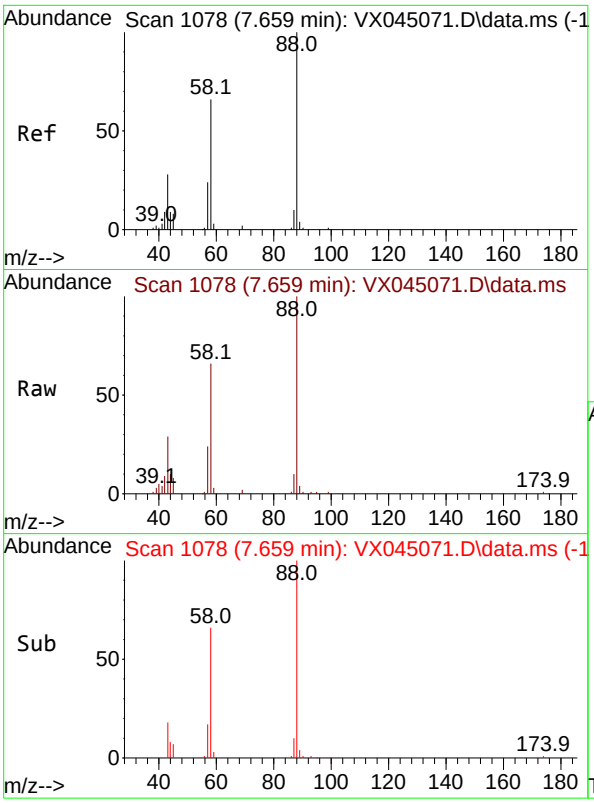


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3

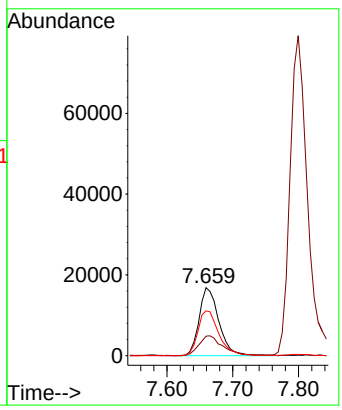




#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 88 Resp: 3505

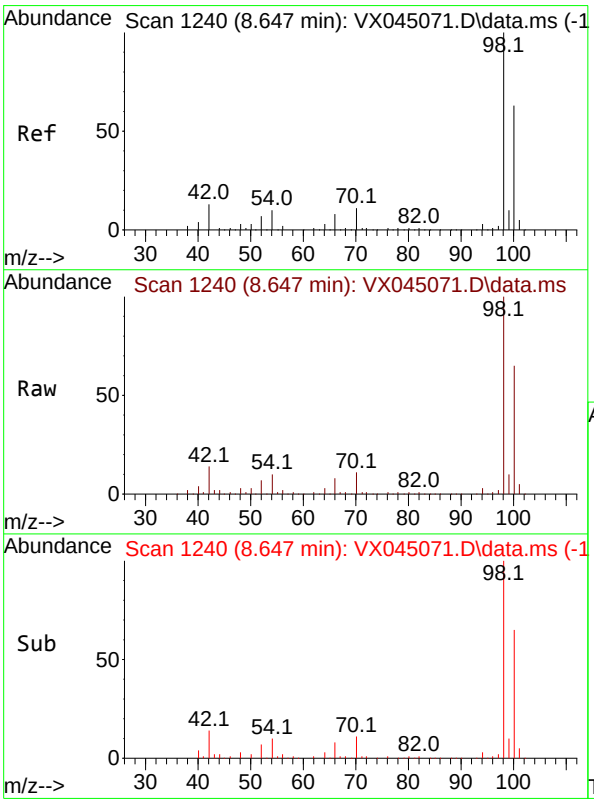
Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

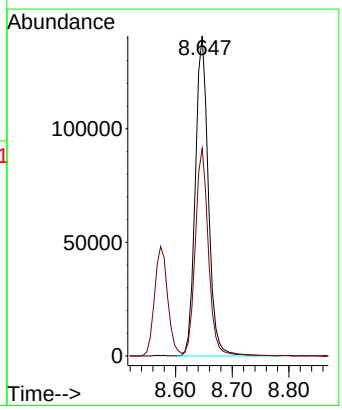
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

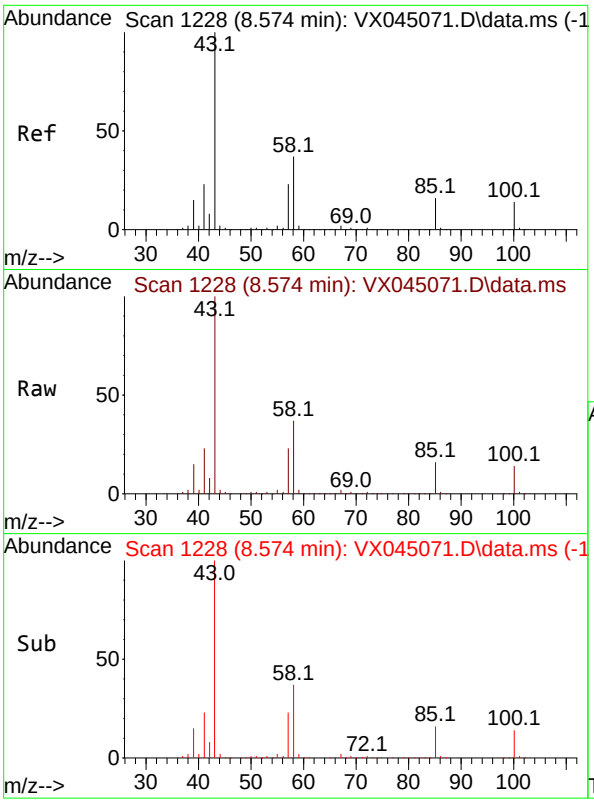


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

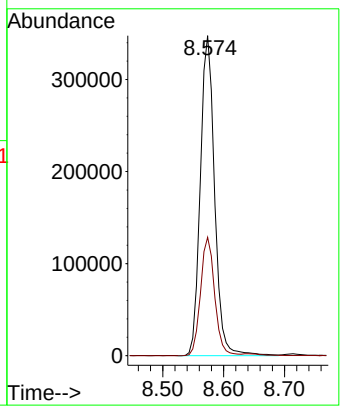




#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 56873

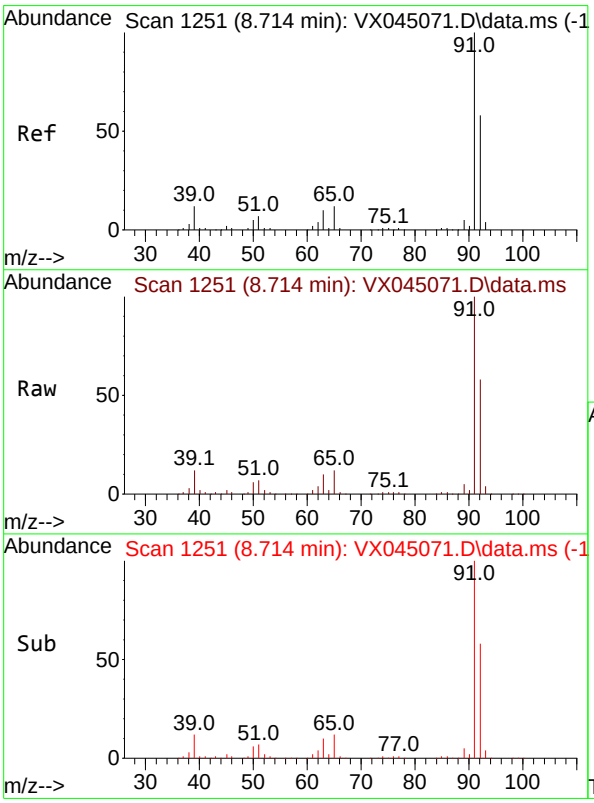
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

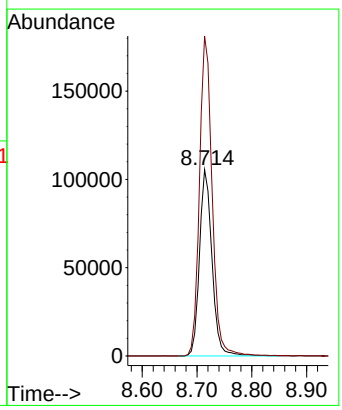
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

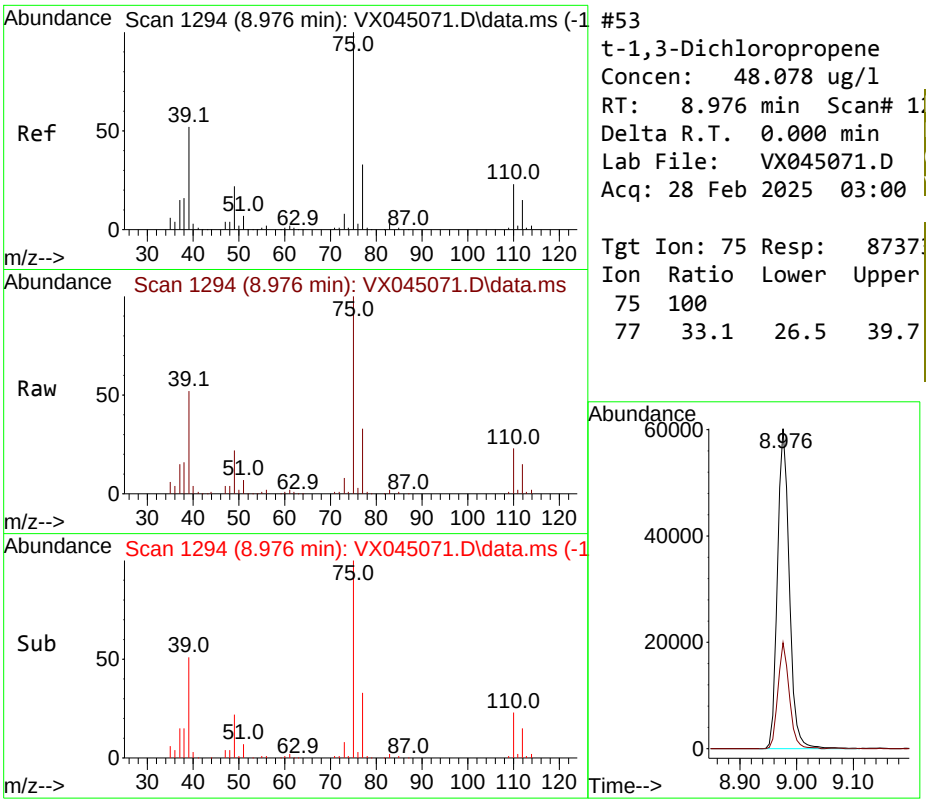


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3





#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

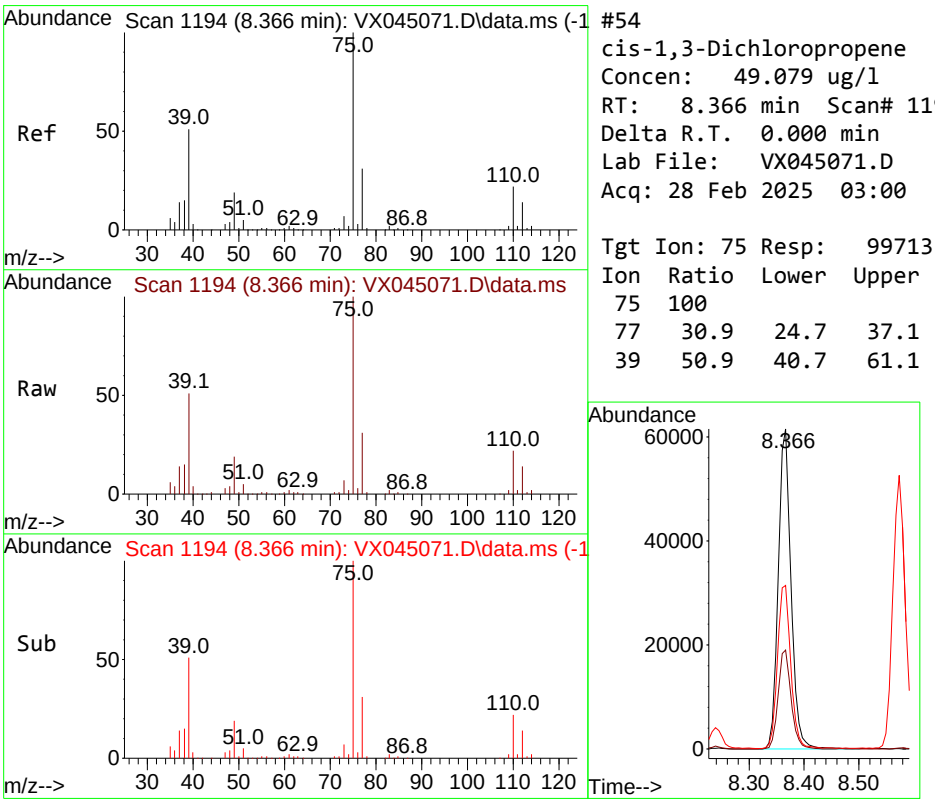
Tgt Ion: 75 Resp: 8737

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

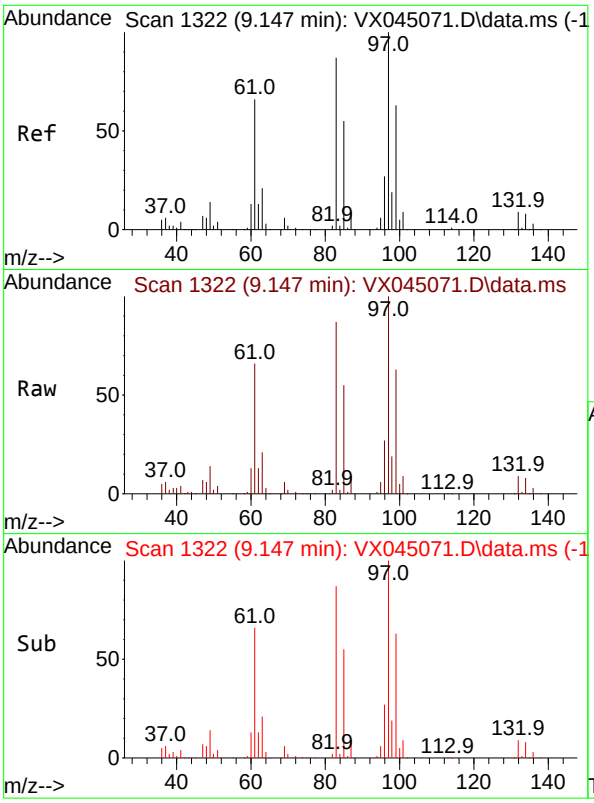
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

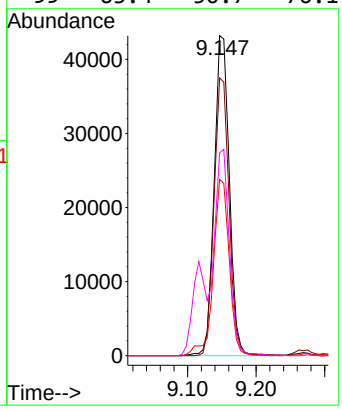
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 6637

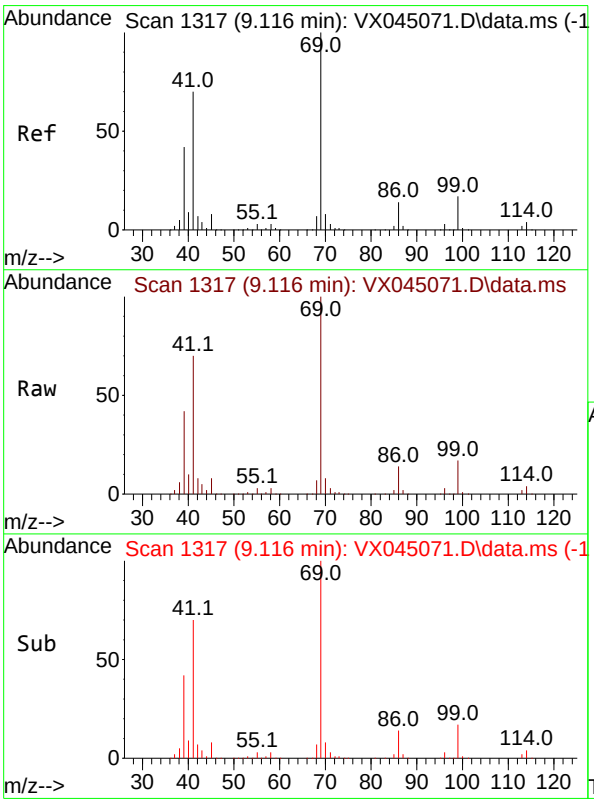
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

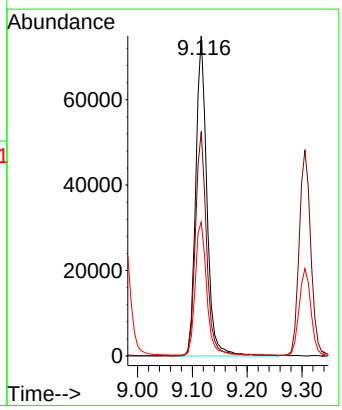
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

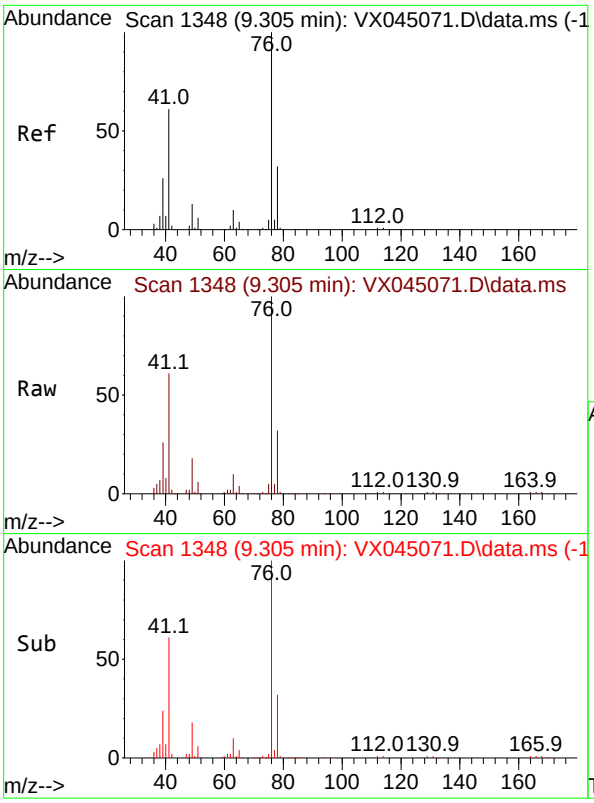


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4





#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

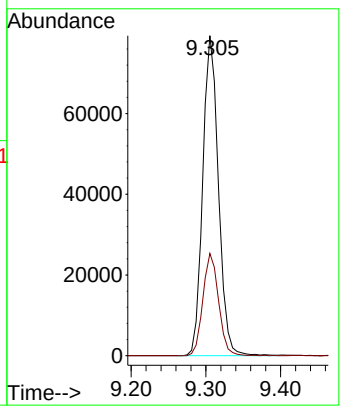
Tgt Ion: 76 Resp: 11548

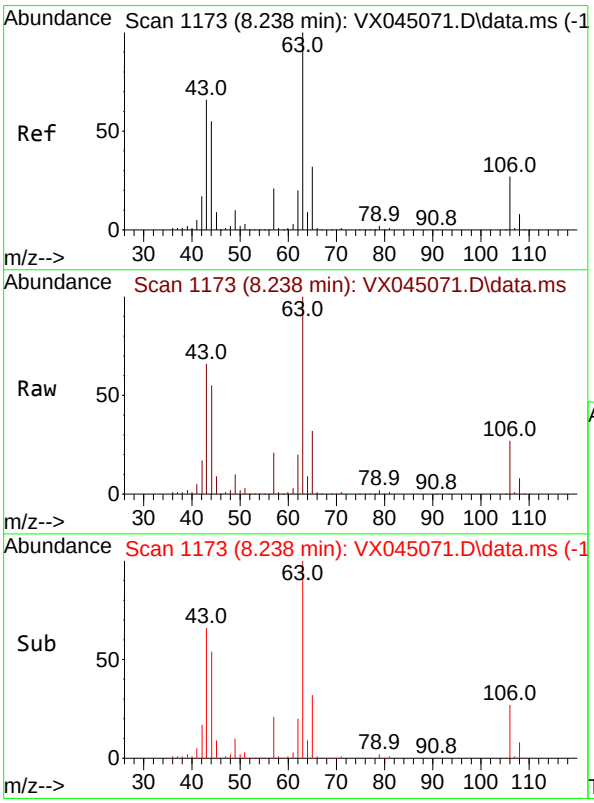
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

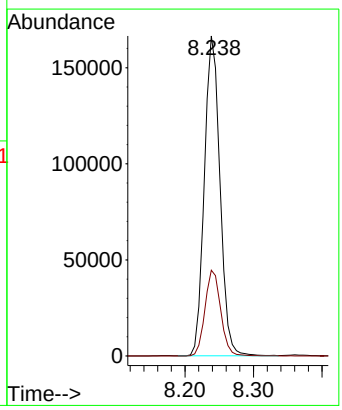


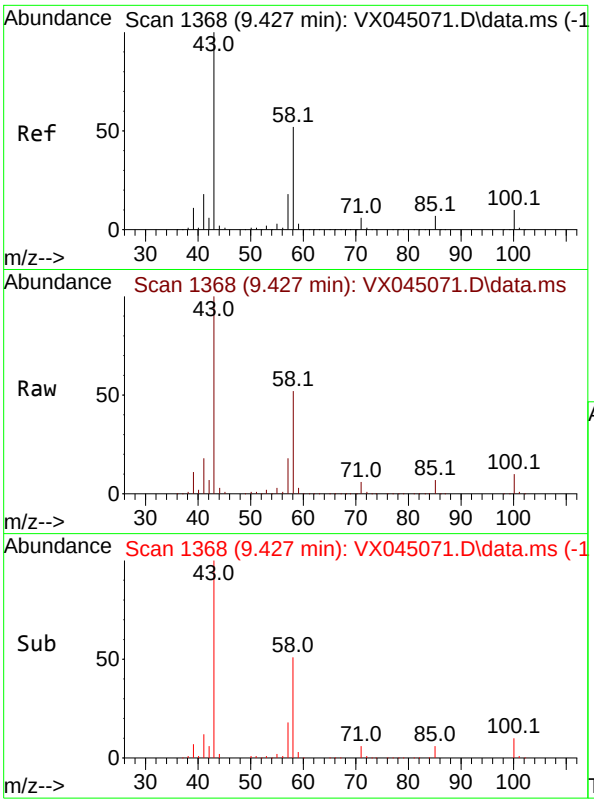


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3

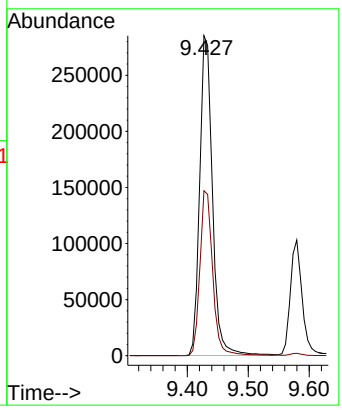




#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 41698

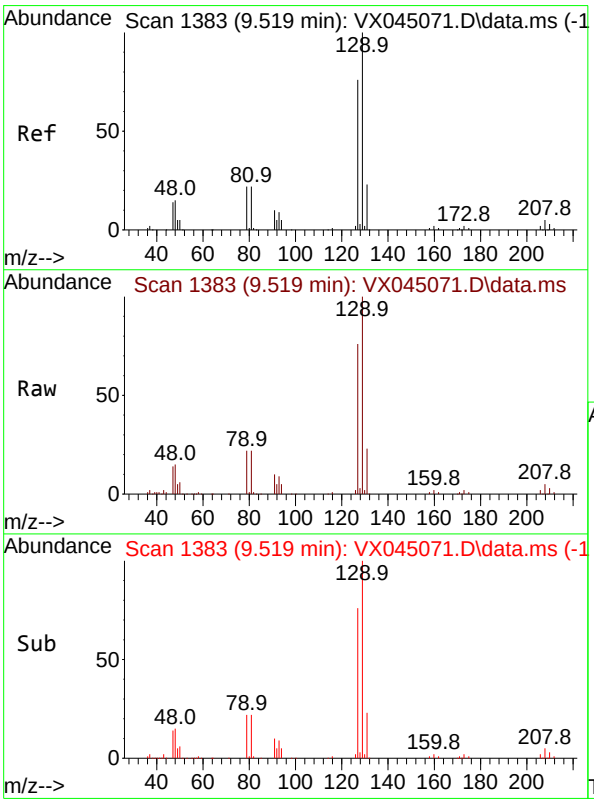
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

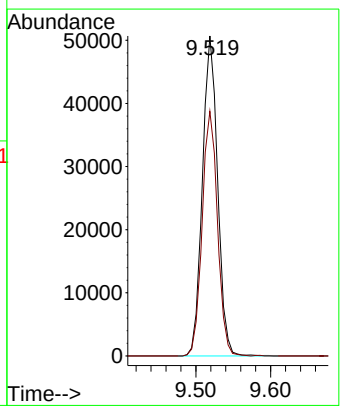
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

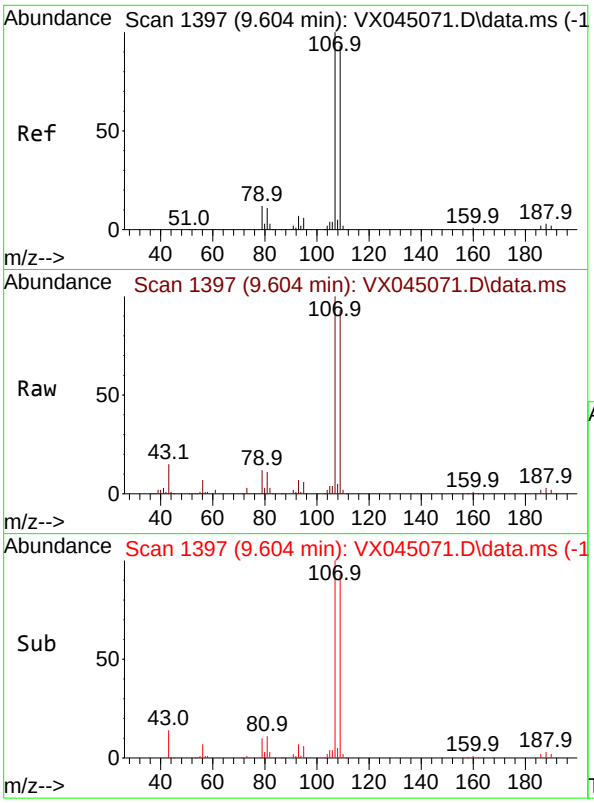


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

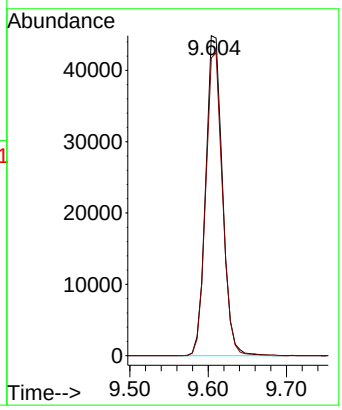




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

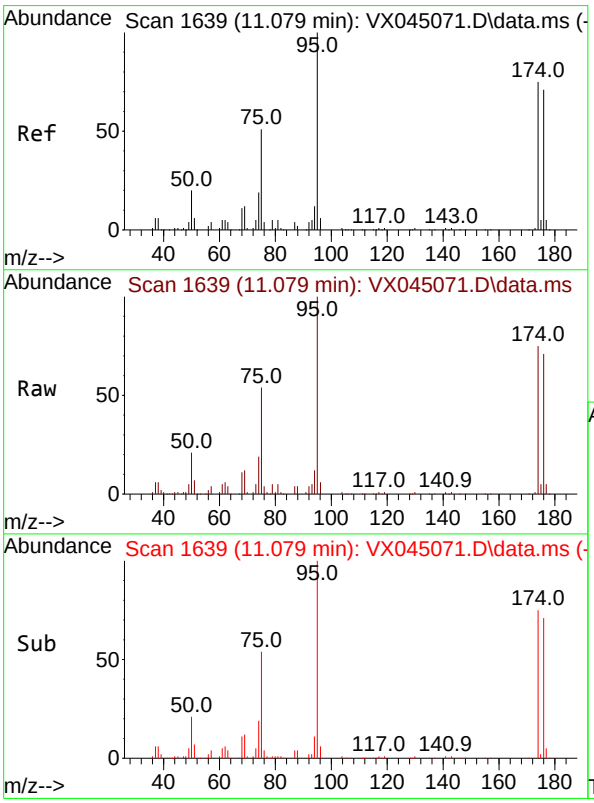
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

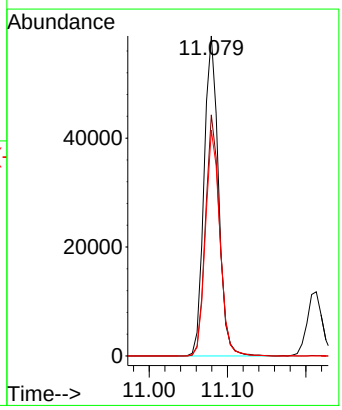
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

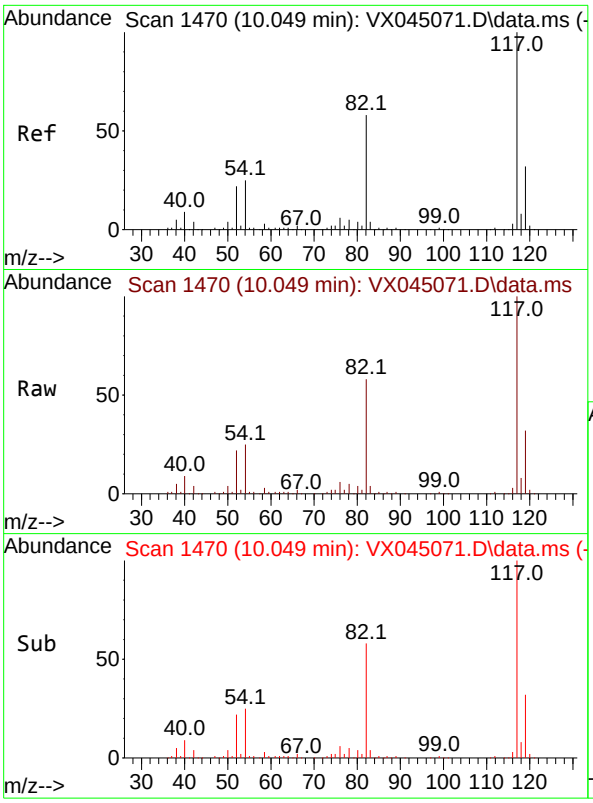


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4

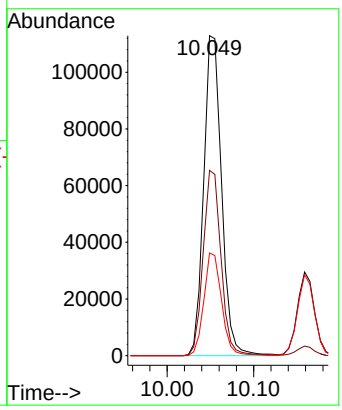




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 16207

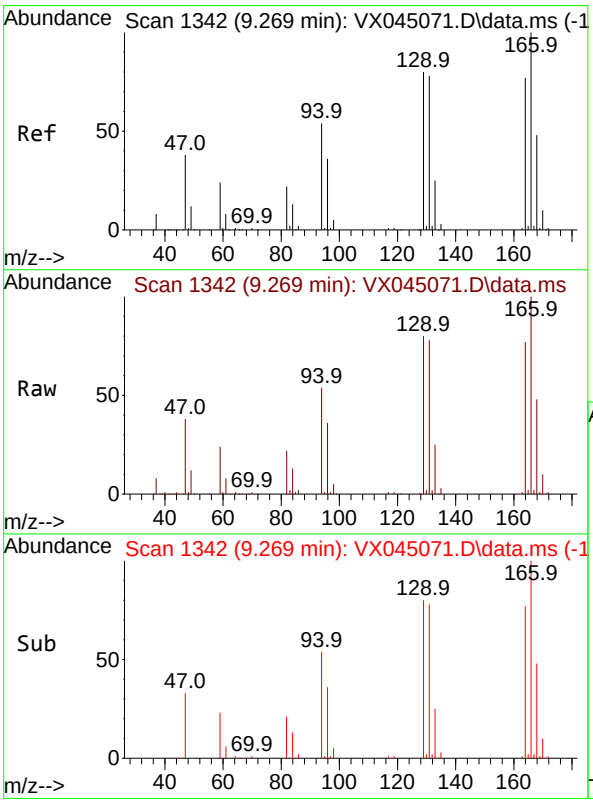
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

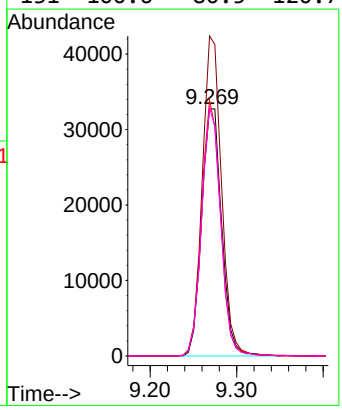
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

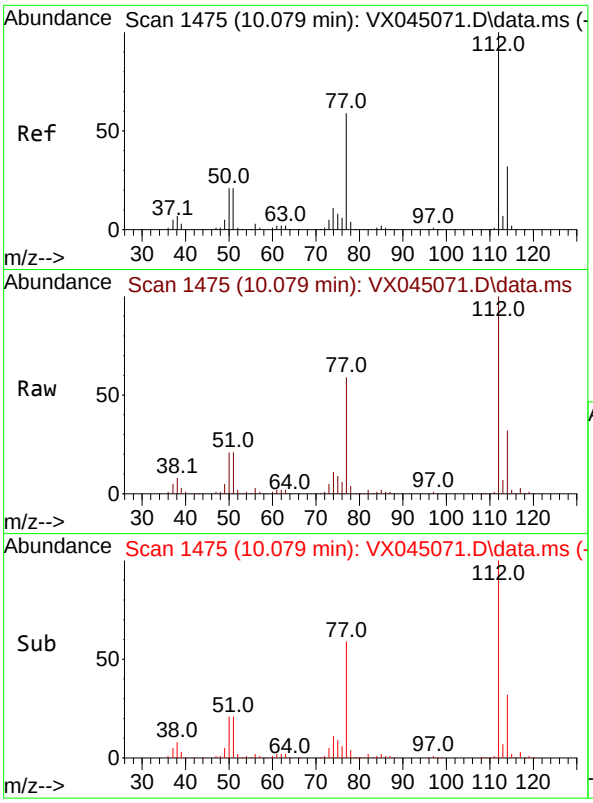


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7





#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

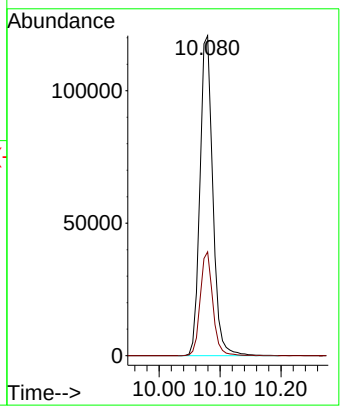
Tgt Ion:112 Resp: 17692

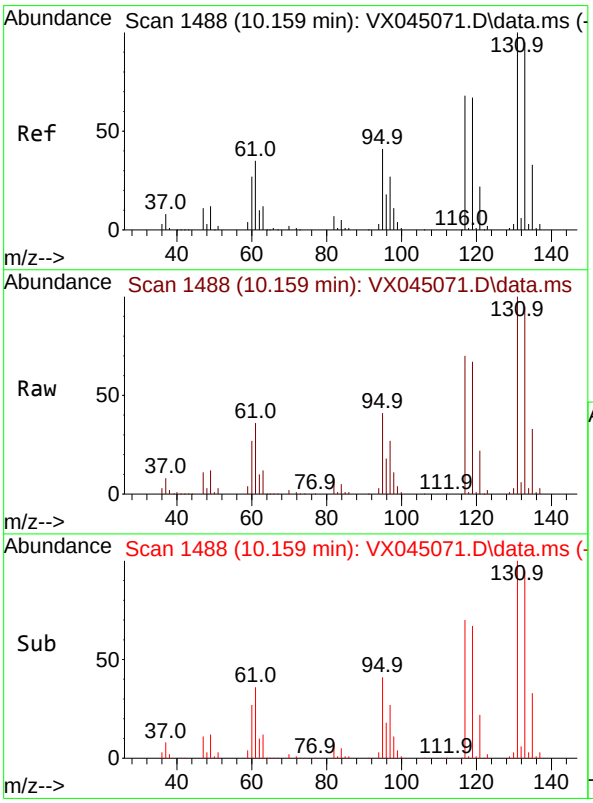
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

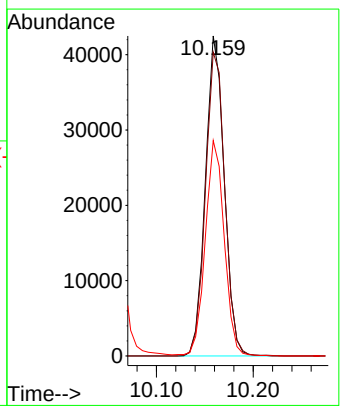


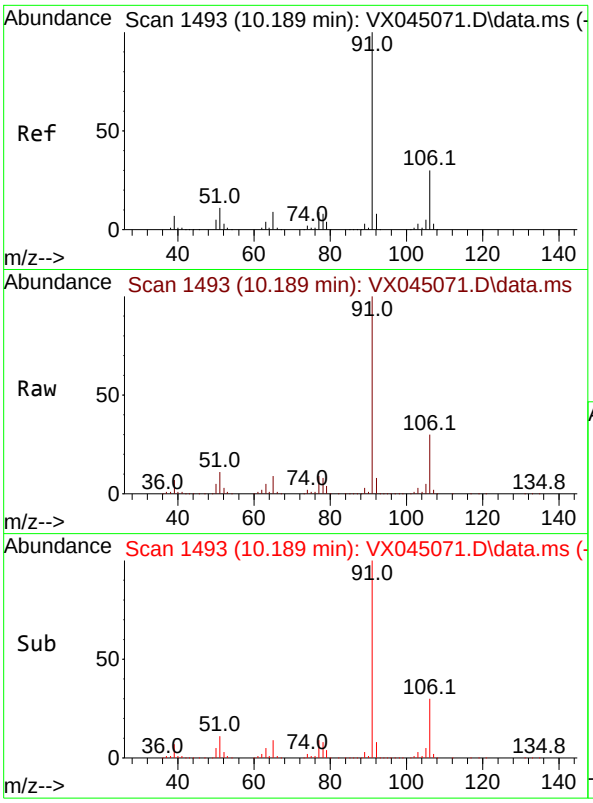


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7

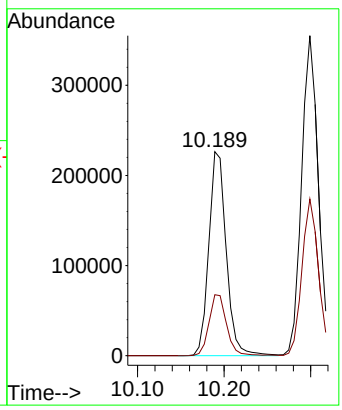




#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 31642

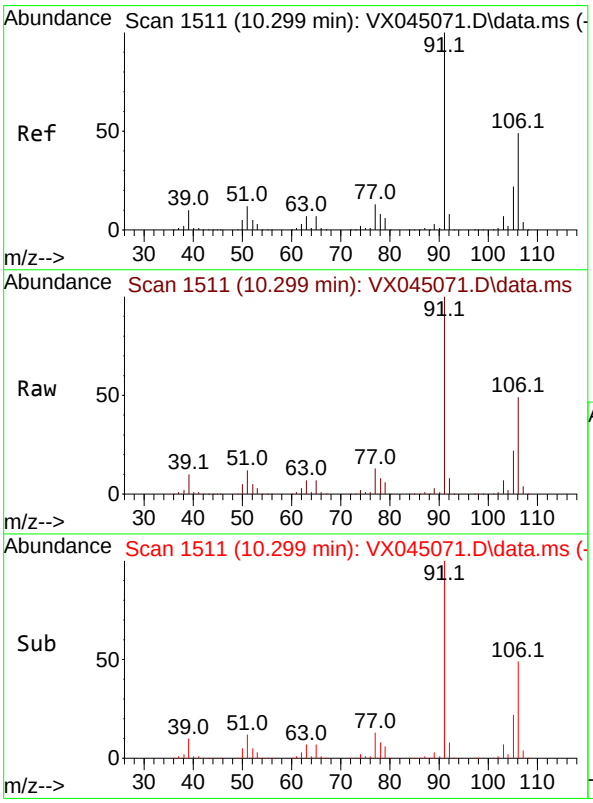
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

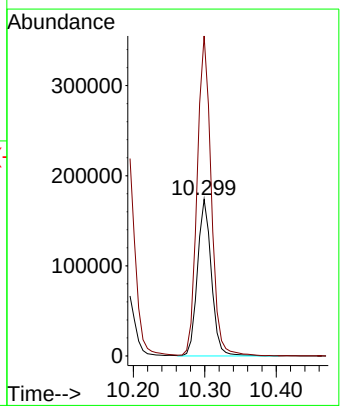
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

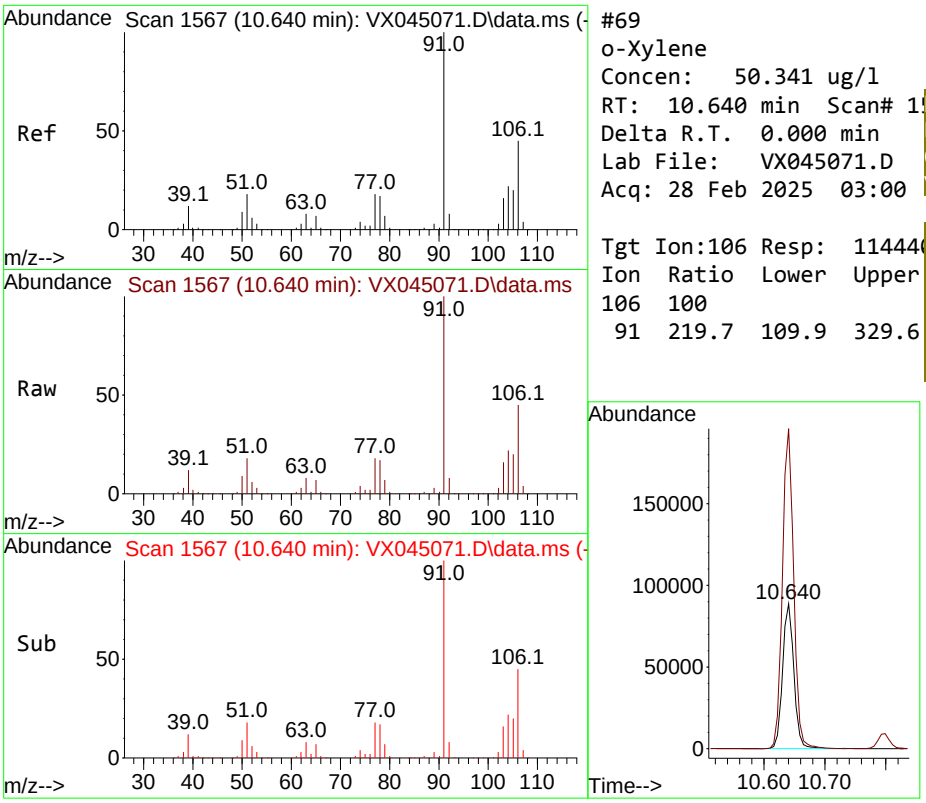


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0





#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

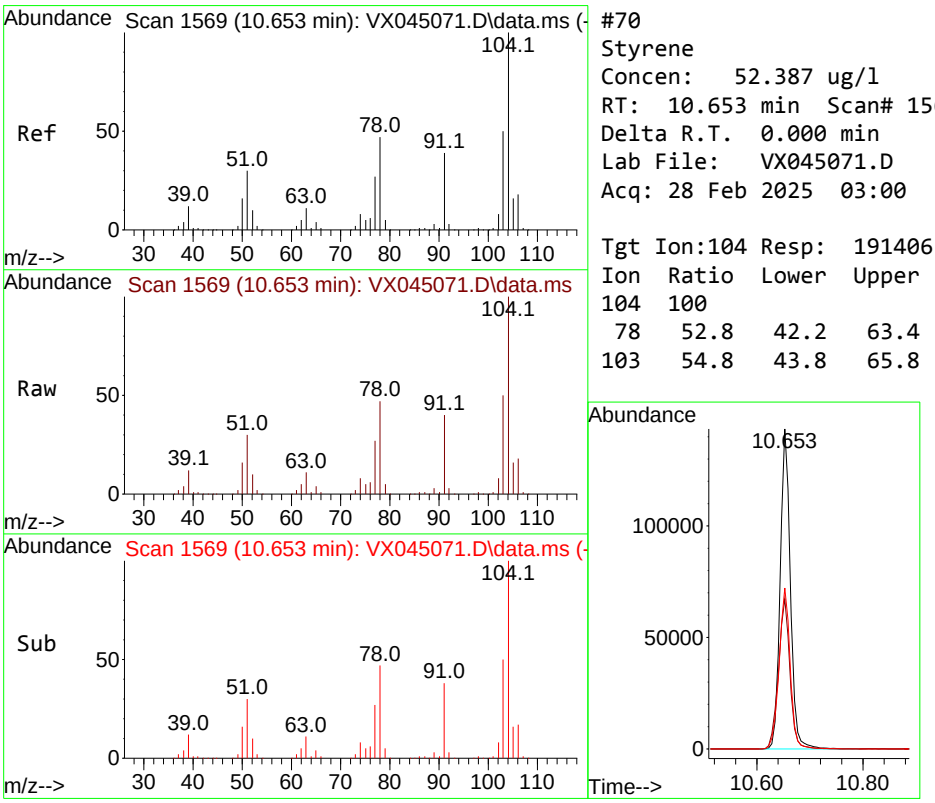
Tgt Ion:106 Resp: 11444

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

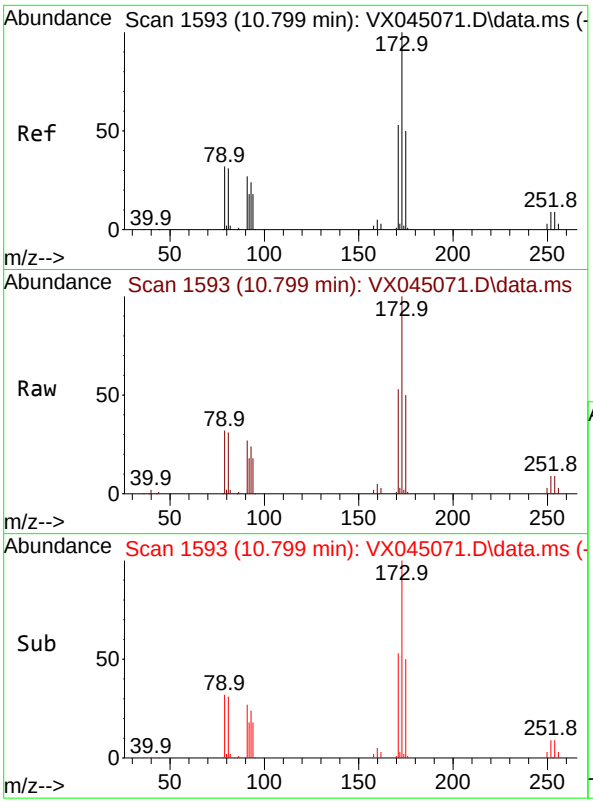
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

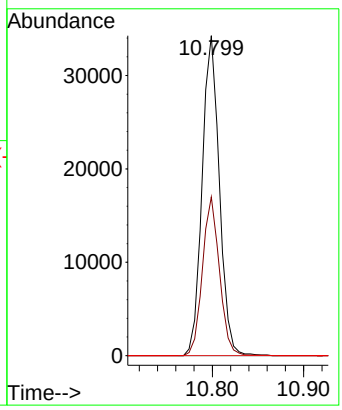
Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8



#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:173 Resp: 4473

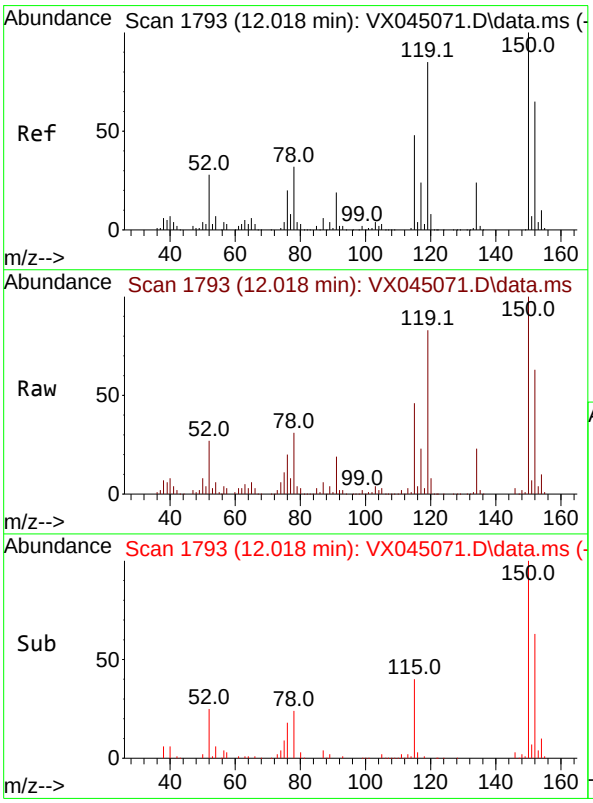
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

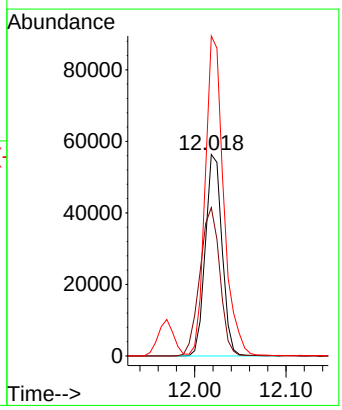
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

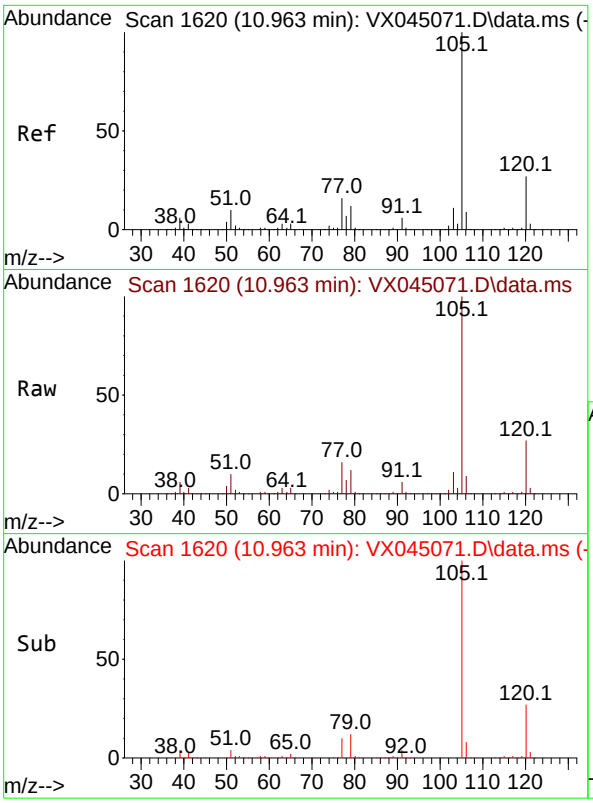


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0

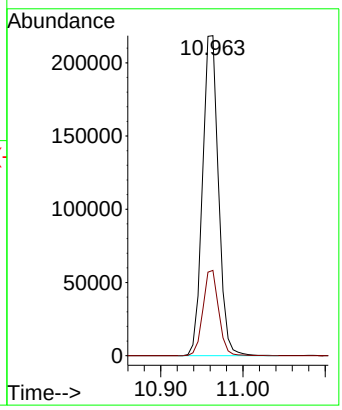




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

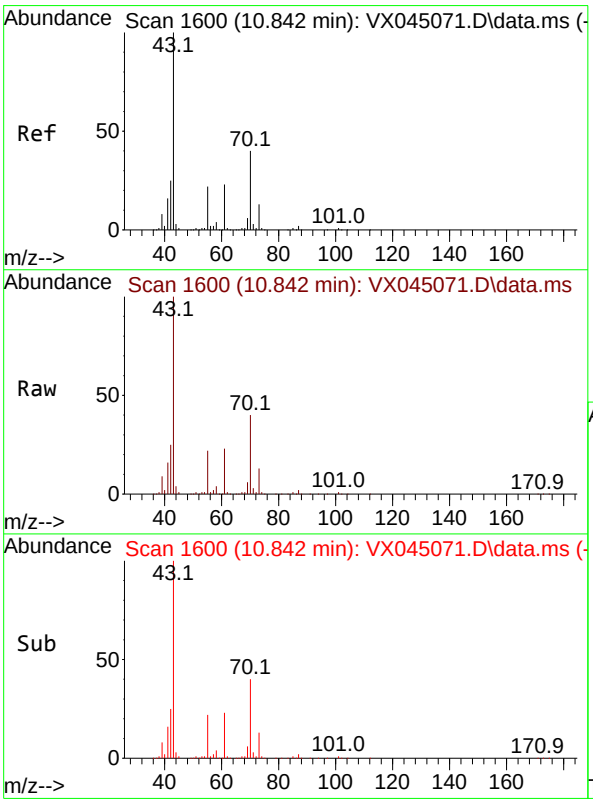
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

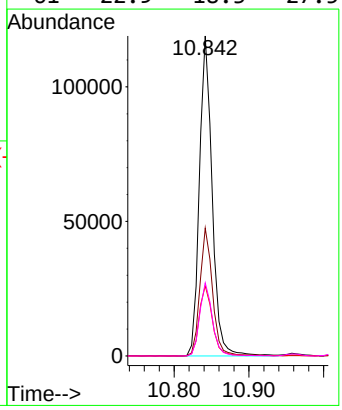
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

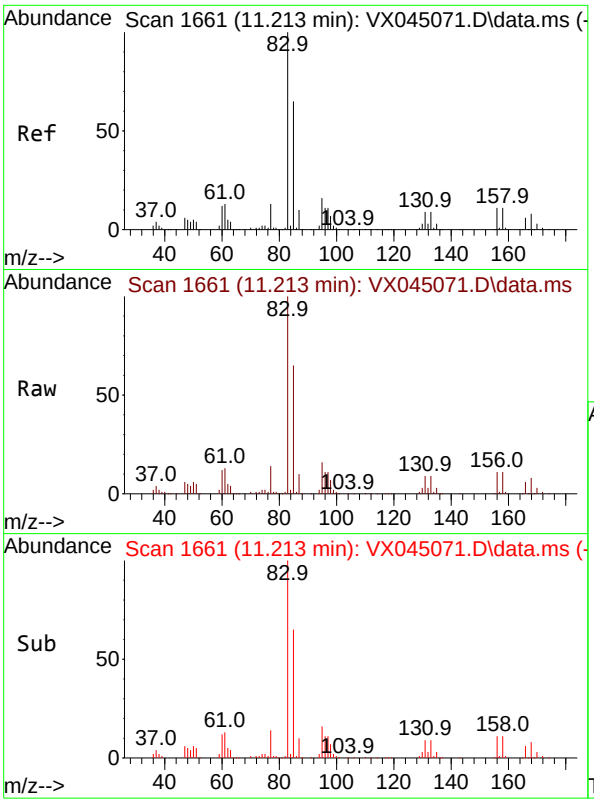


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5

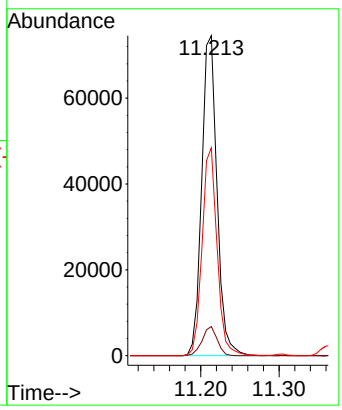




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

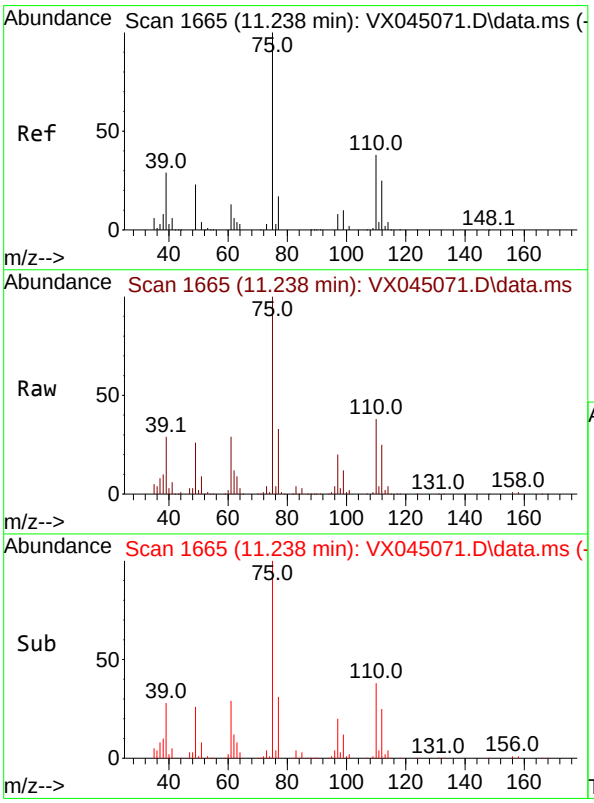
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

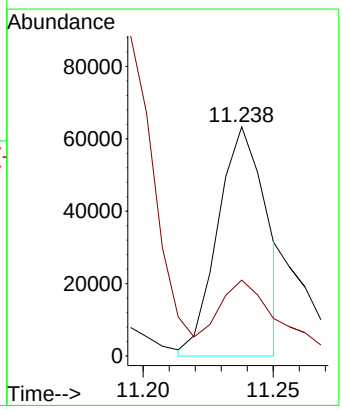
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

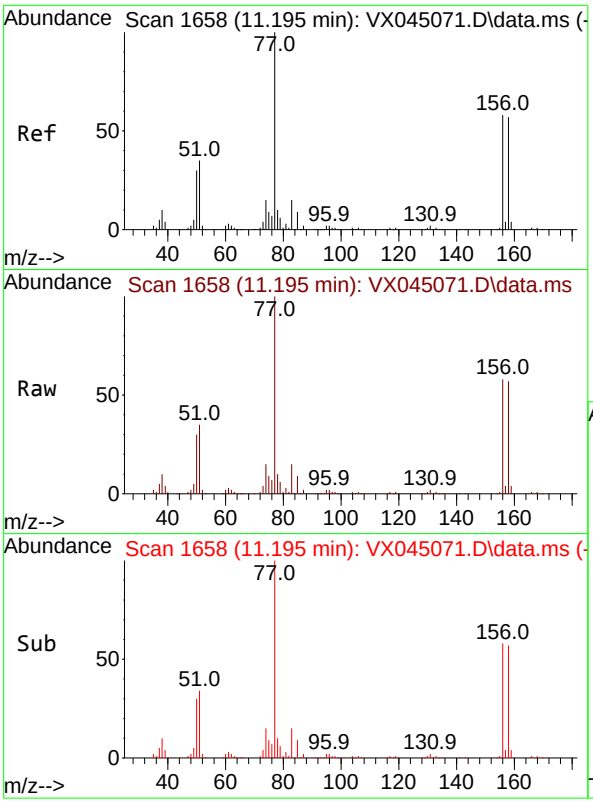


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 81743

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.7	62.1

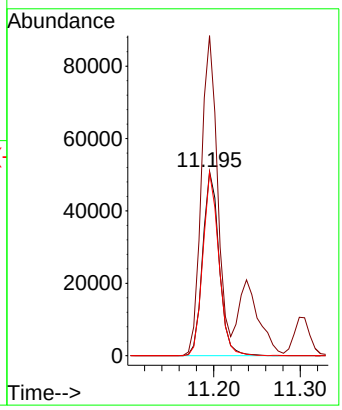




#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:156 Resp: 6690

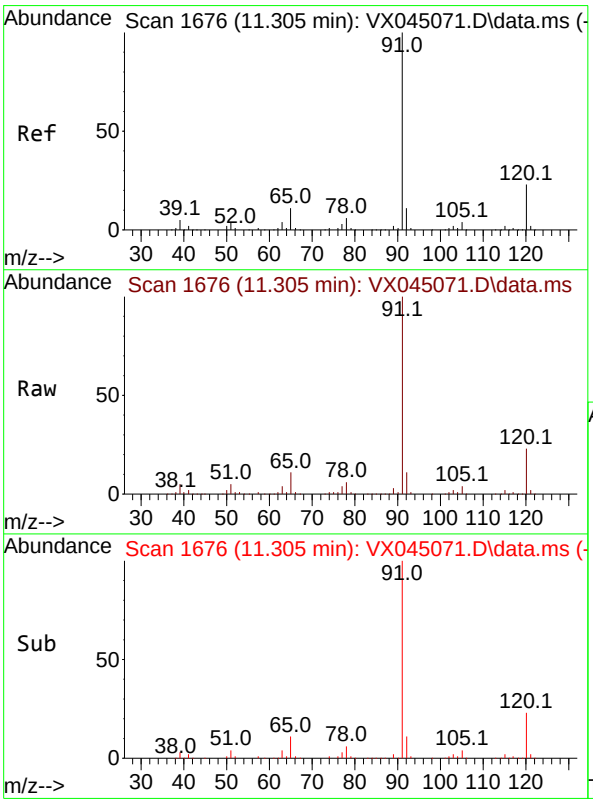
Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

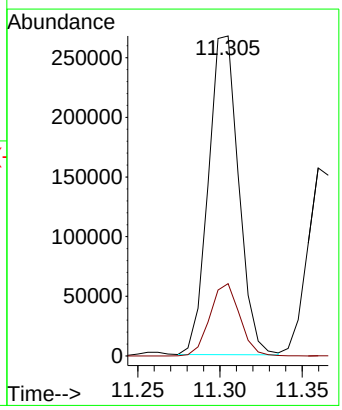
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

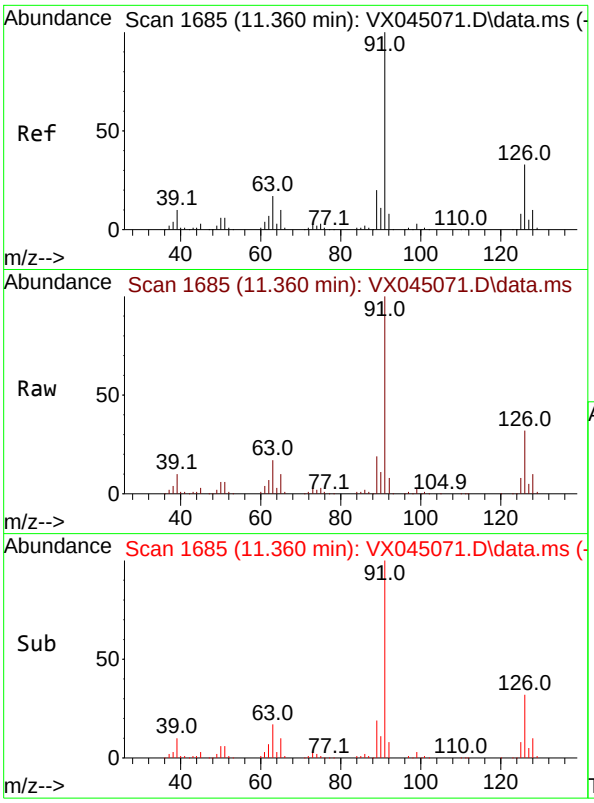


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

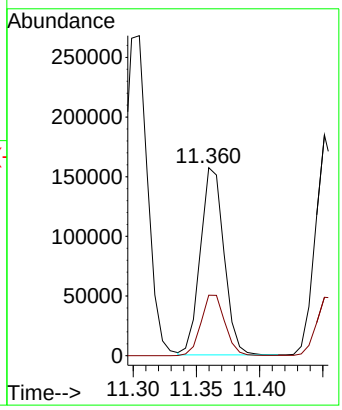




#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 20448

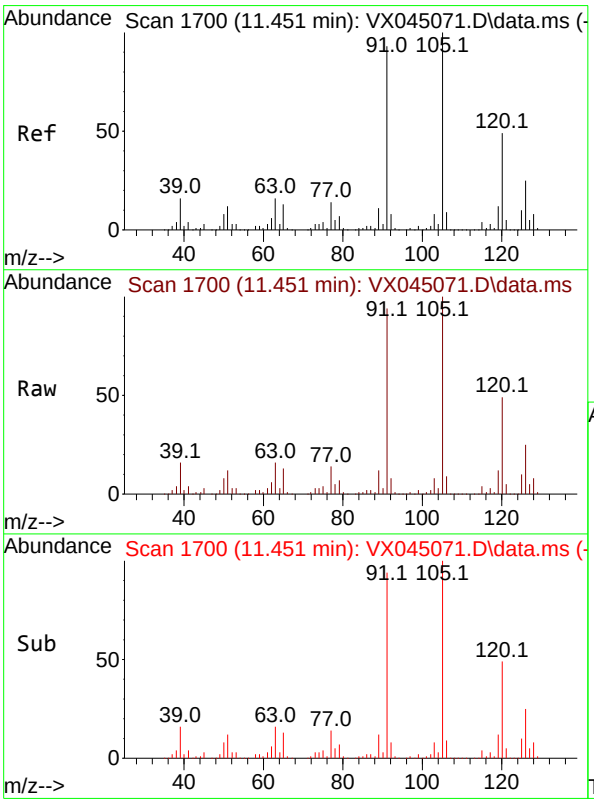
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

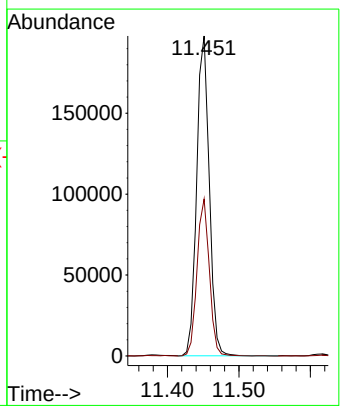
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

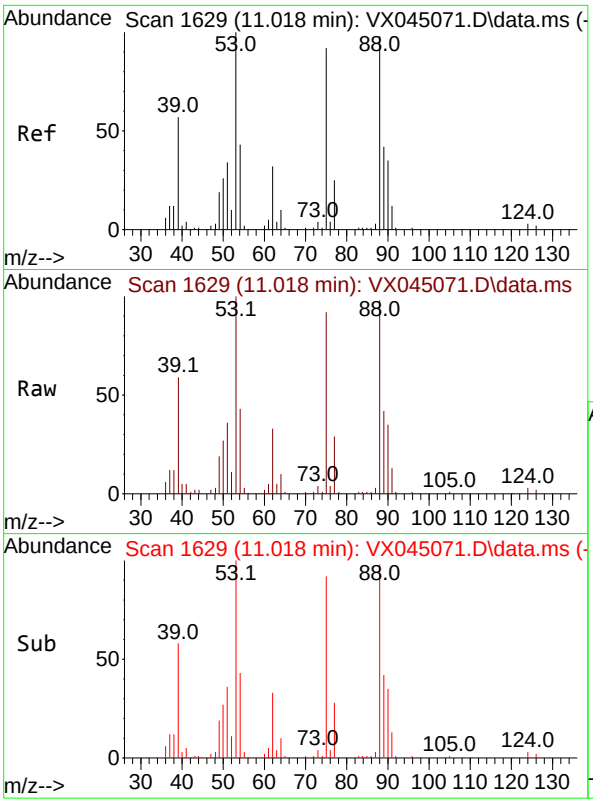


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

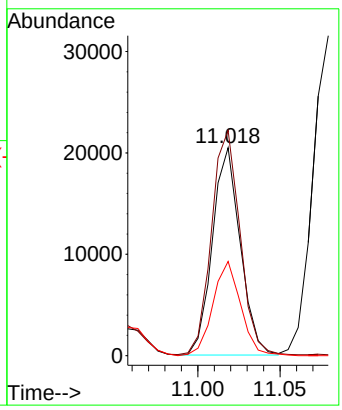
Tgt Ion: 75 Resp: 2413

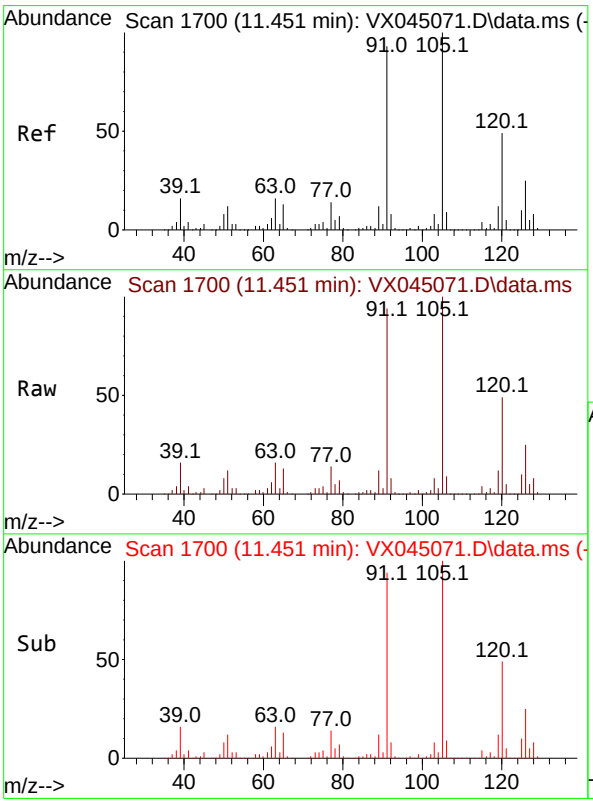
Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

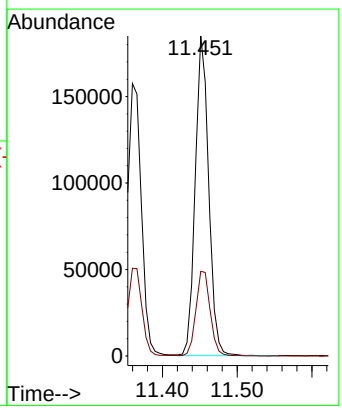


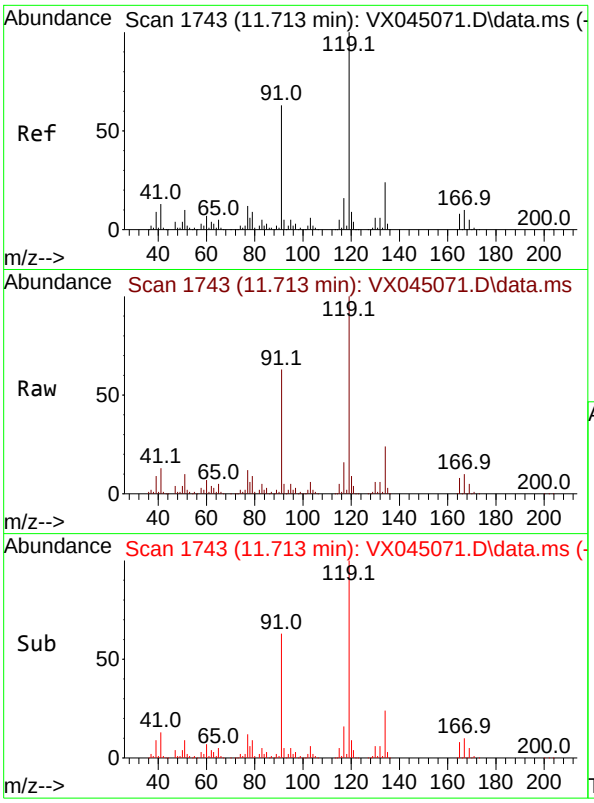


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

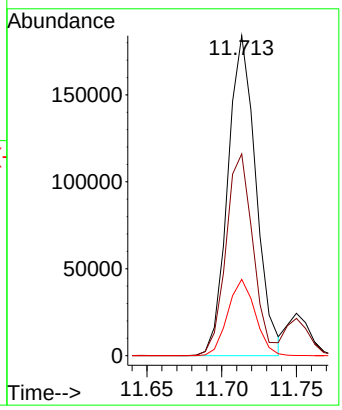




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

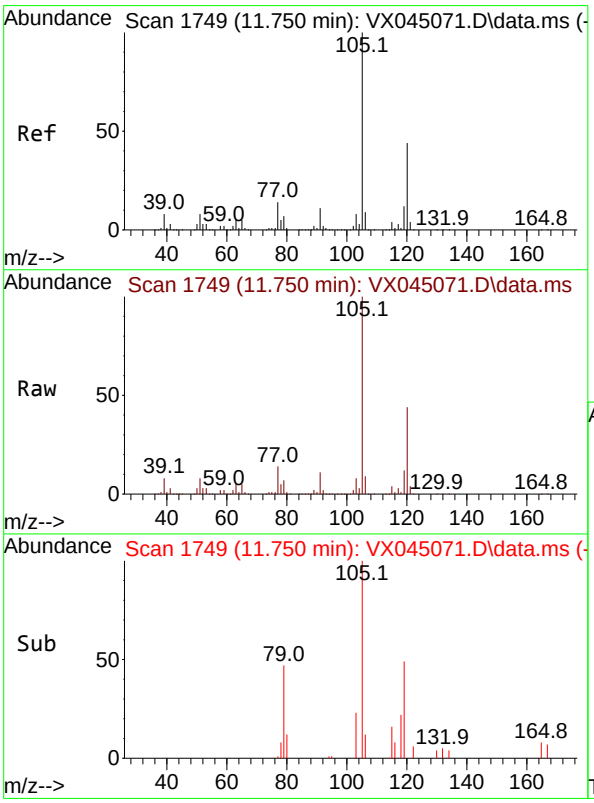
Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

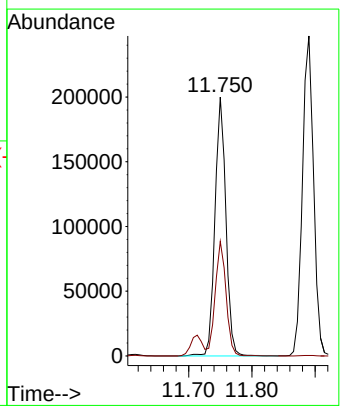
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

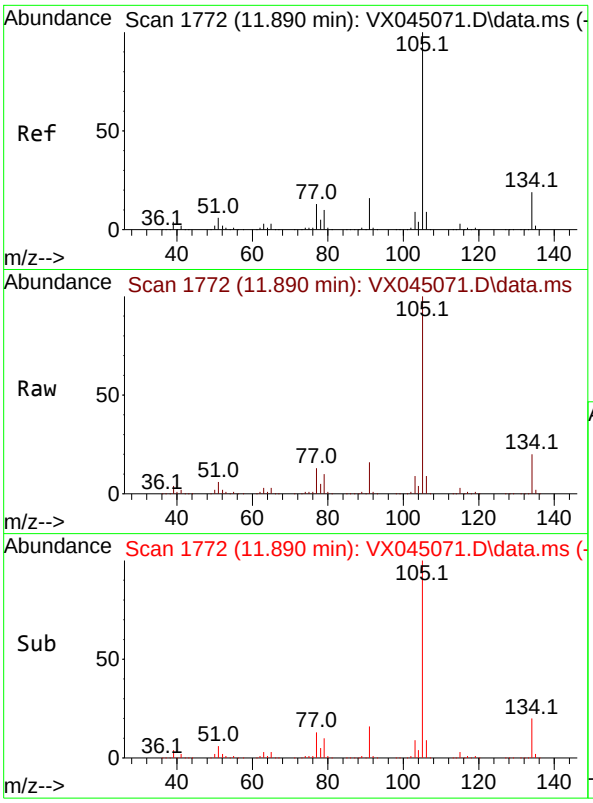


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

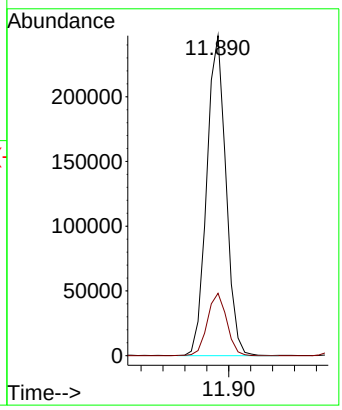




#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 30039

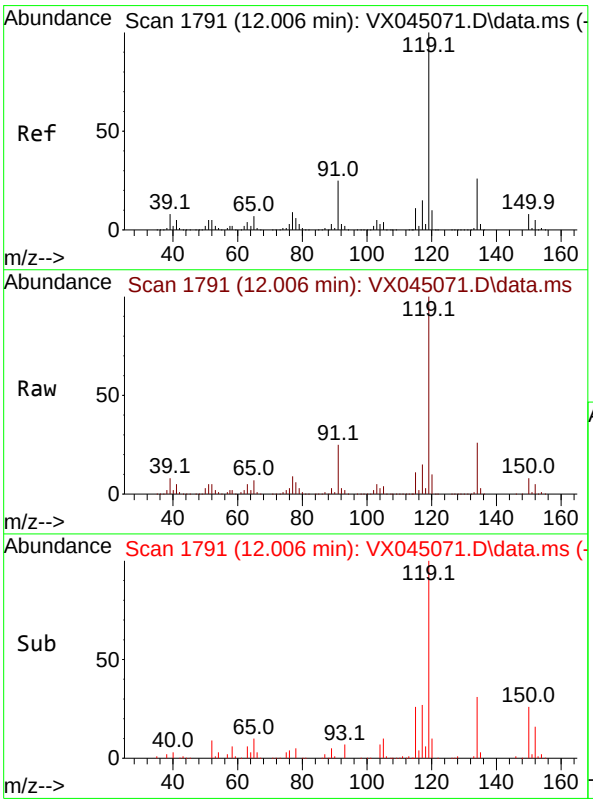
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

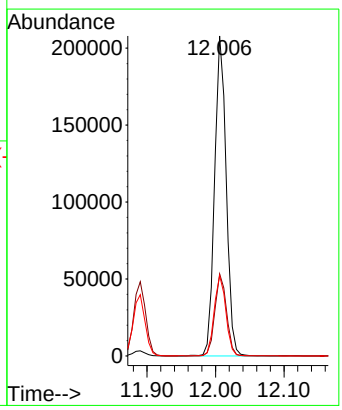
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

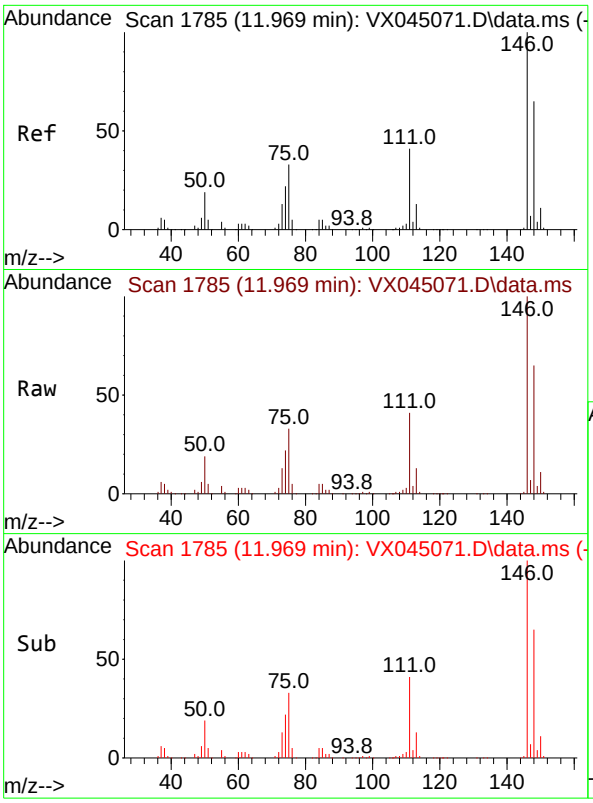


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0

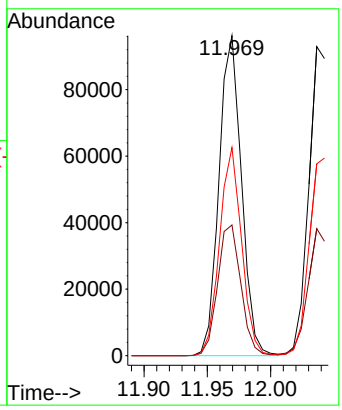




#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11887

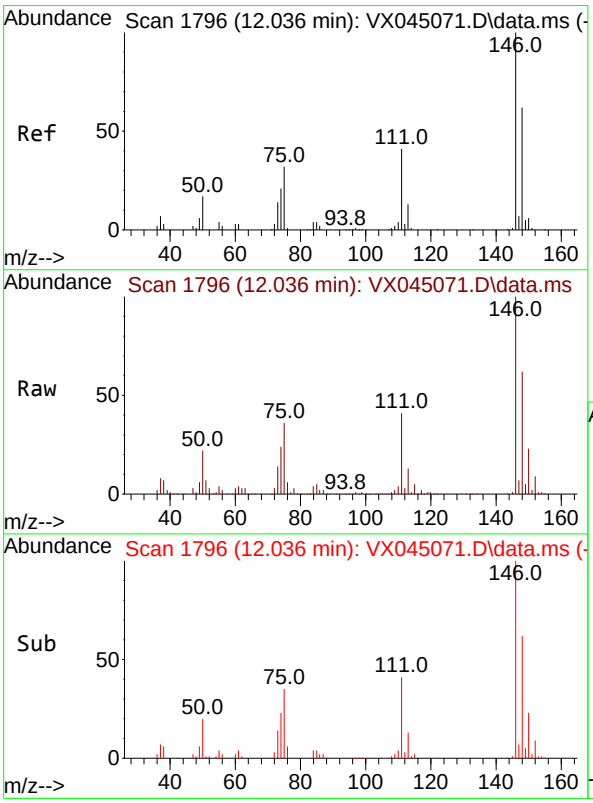
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

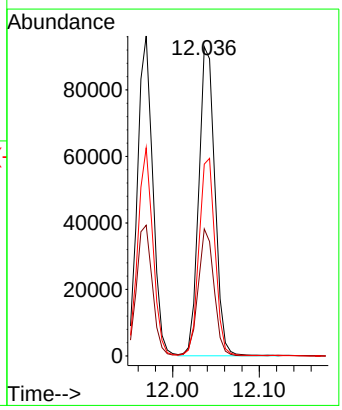
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

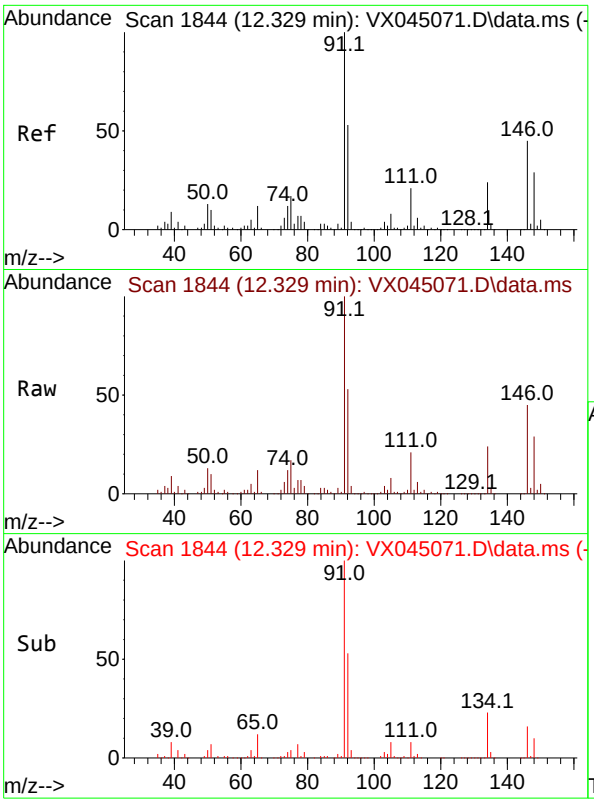


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9

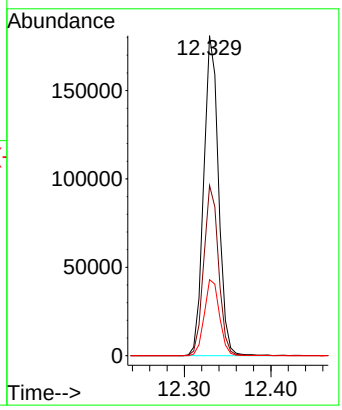




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

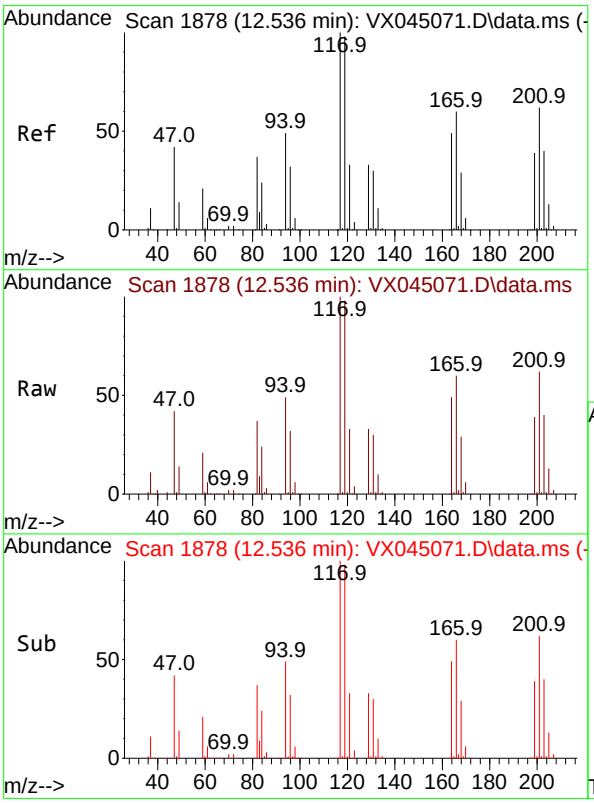
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

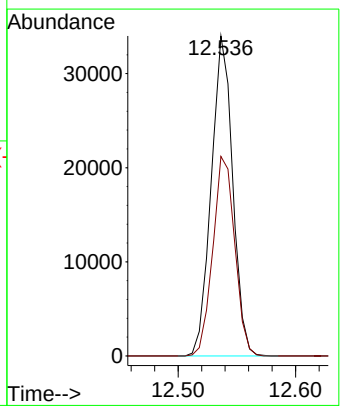
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

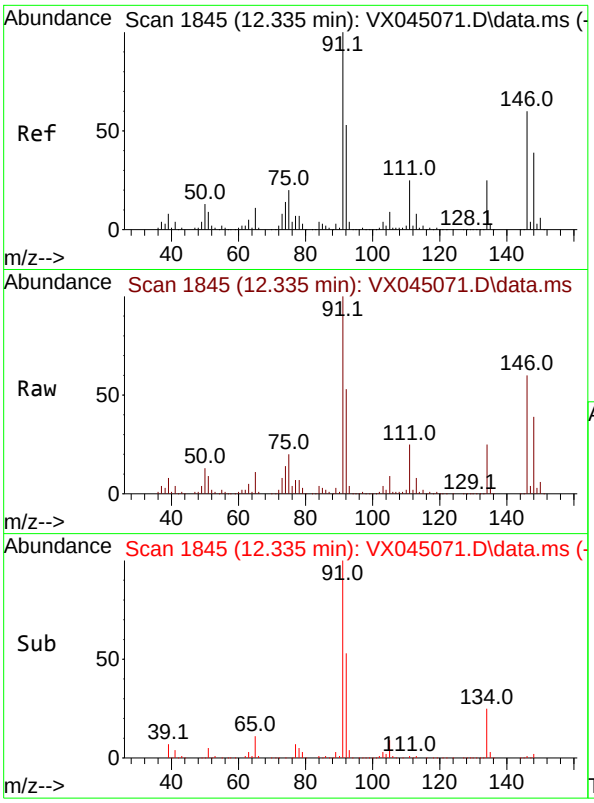


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

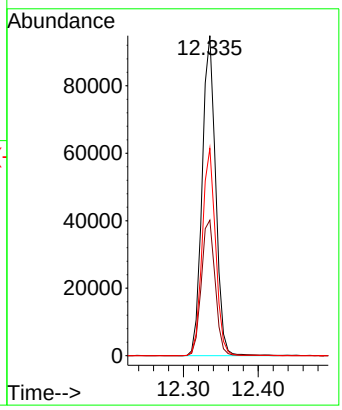




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

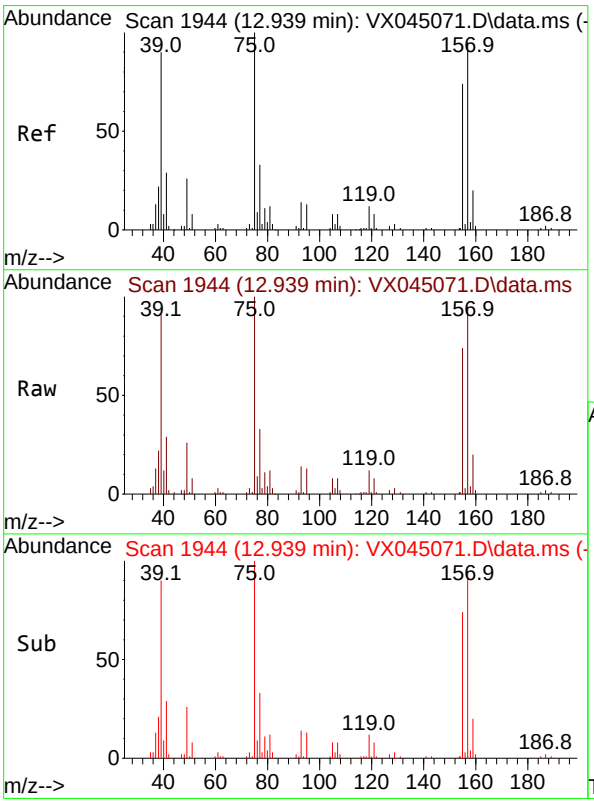
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

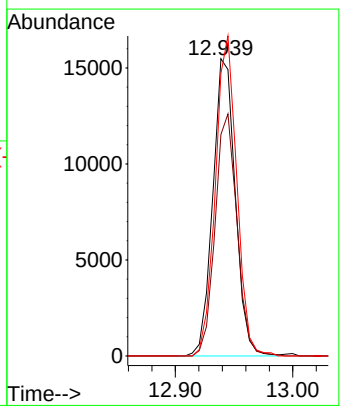
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

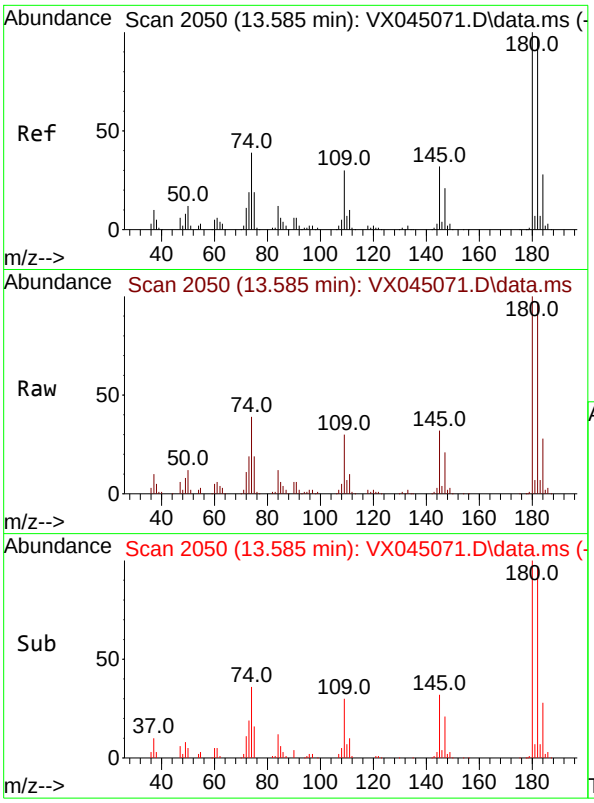


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4

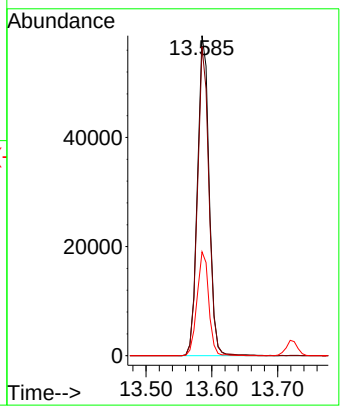




#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 7189

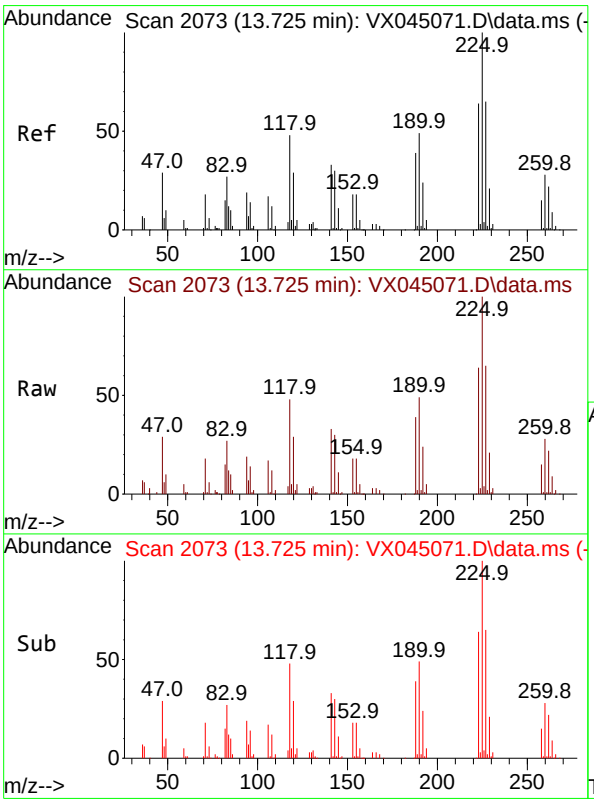
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

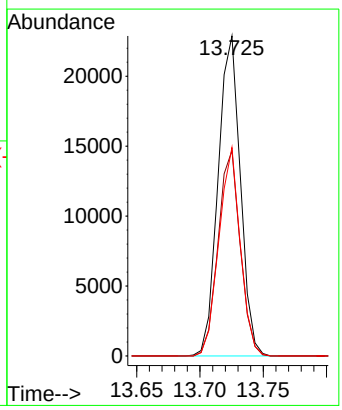
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

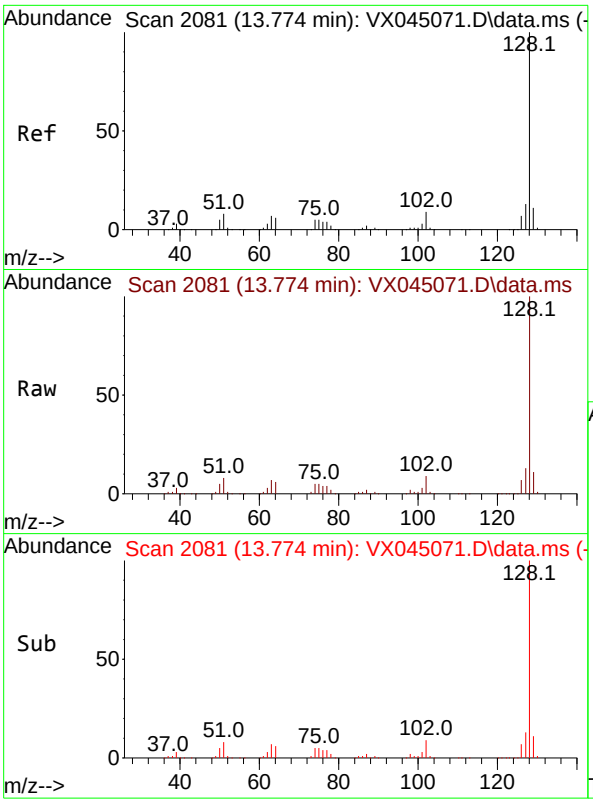


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0

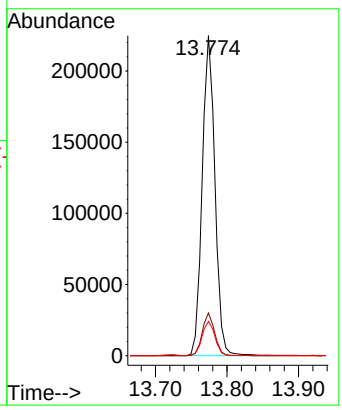




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

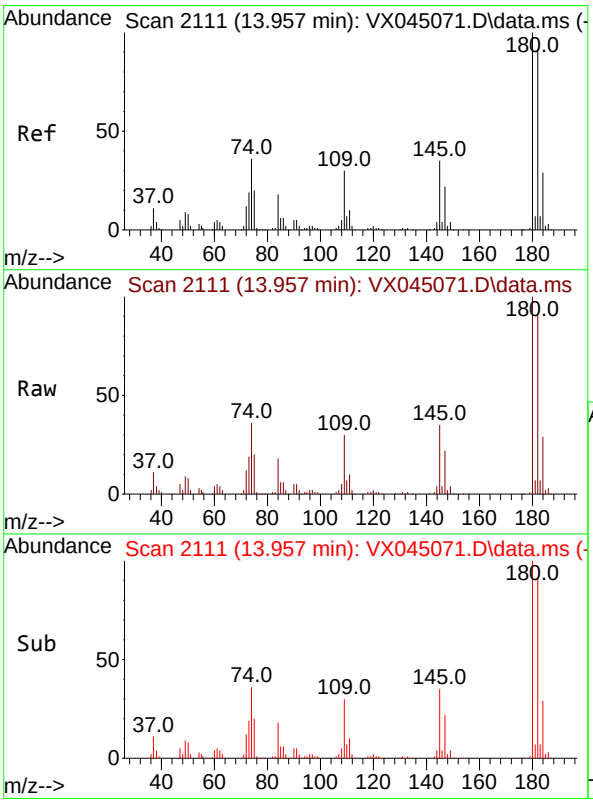
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

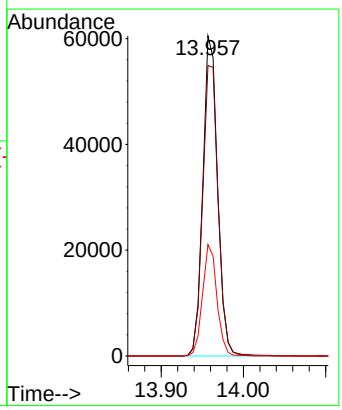
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l		98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l		99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l		99
44) Trichloroethene	7.122	130	128124	105.402 ug/l		96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l		100
46) Dibromomethane	7.580	93	97248	105.329 ug/l		99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l		97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l		99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l		99
52) Toluene	8.714	92	316349	100.178 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l		99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l		100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l		99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l		99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l		99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l		99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l		98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l		96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l		100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l		99
69) o-Xylene	10.640	106	213835	100.849 ug/l		99
70) Styrene	10.652	104	357649	104.948 ug/l		99
71) Bromoform	10.799	173	90800	116.751 ug/l	#	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l		99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395 ug/l		
77) Bromobenzene	11.195	156	125700	99.175 ug/l		97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l		99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l		99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l		100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l		99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l		100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l		99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l		99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l		99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l		99
95) Naphthalene	13.774	128	565250	112.593 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

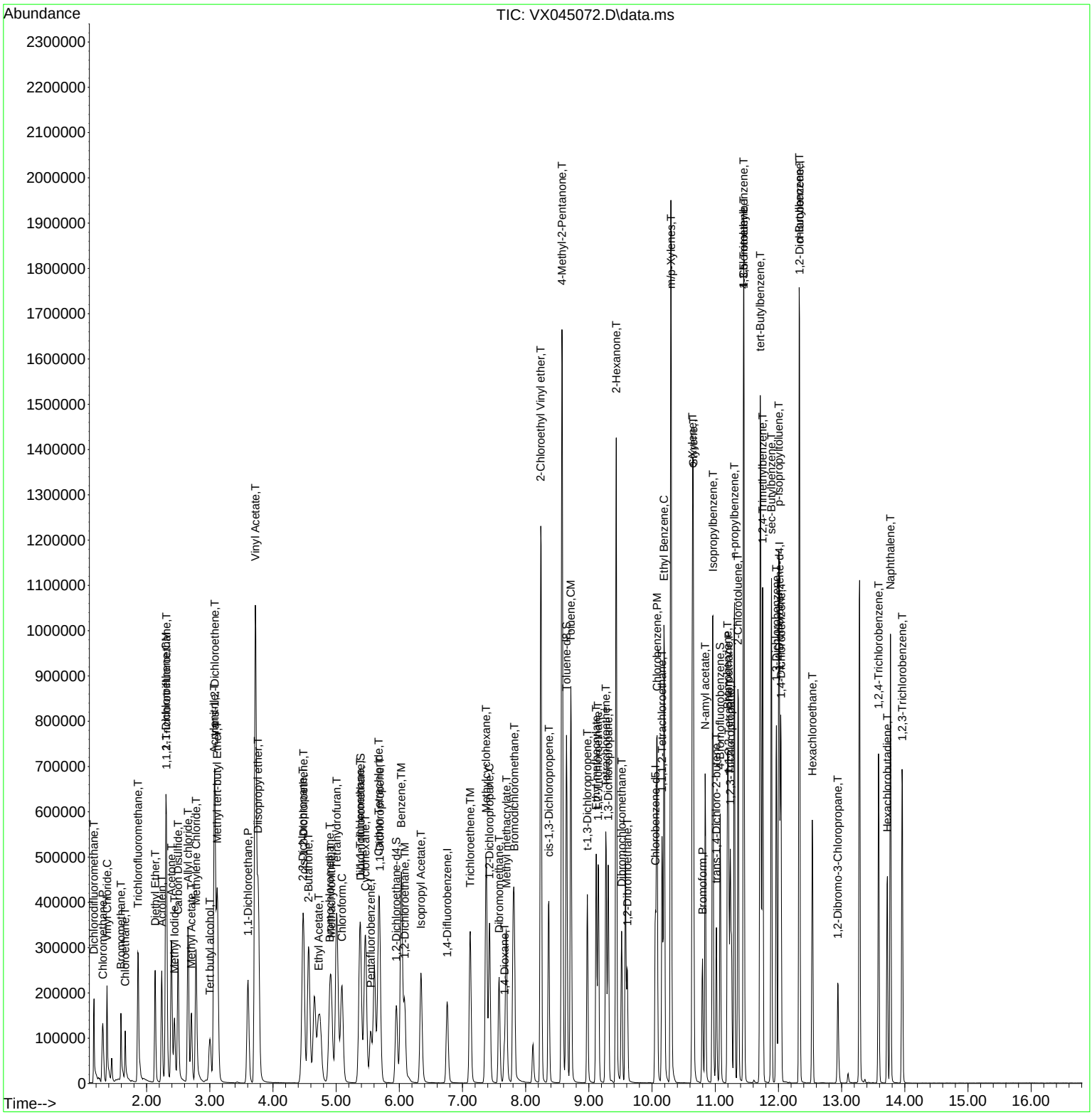
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

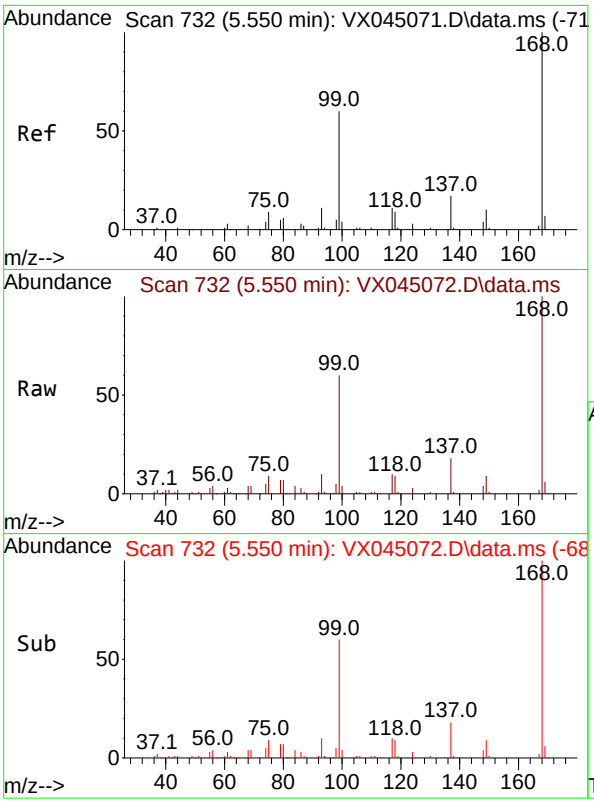
Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

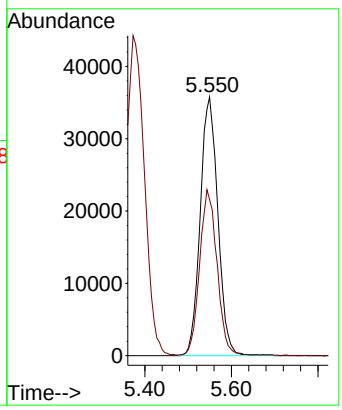




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

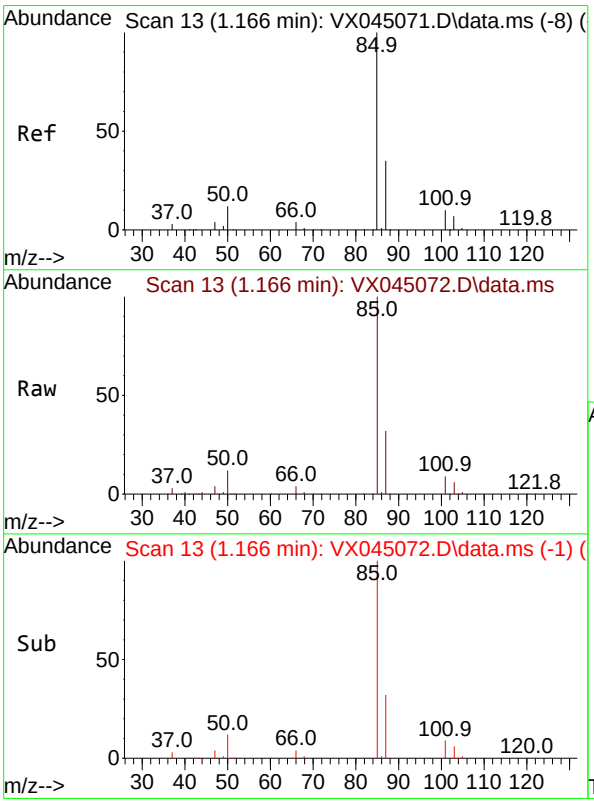
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

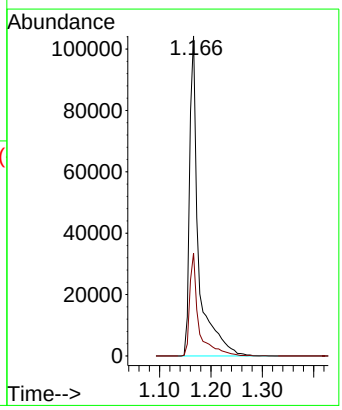
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

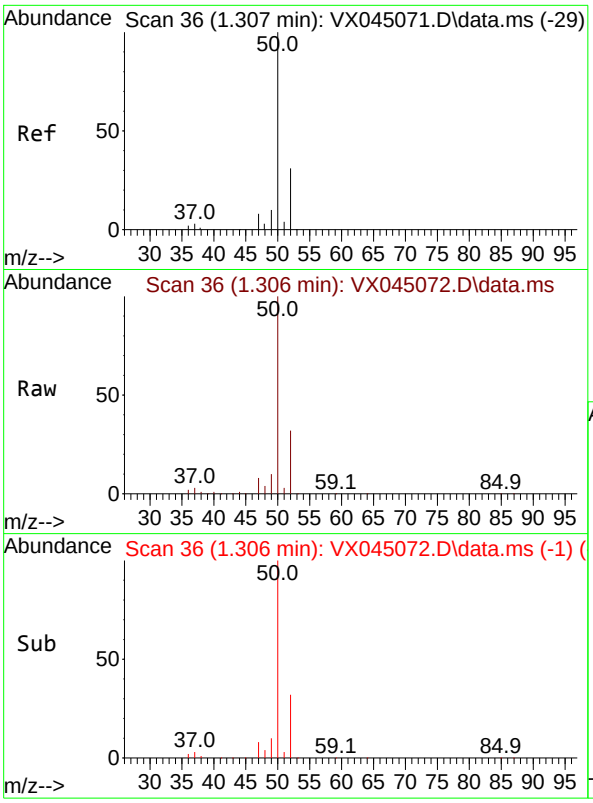


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3





#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

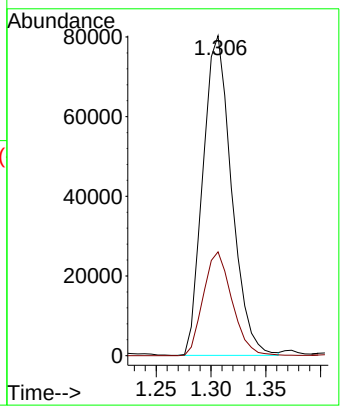
Tgt Ion: 50 Resp: 14582

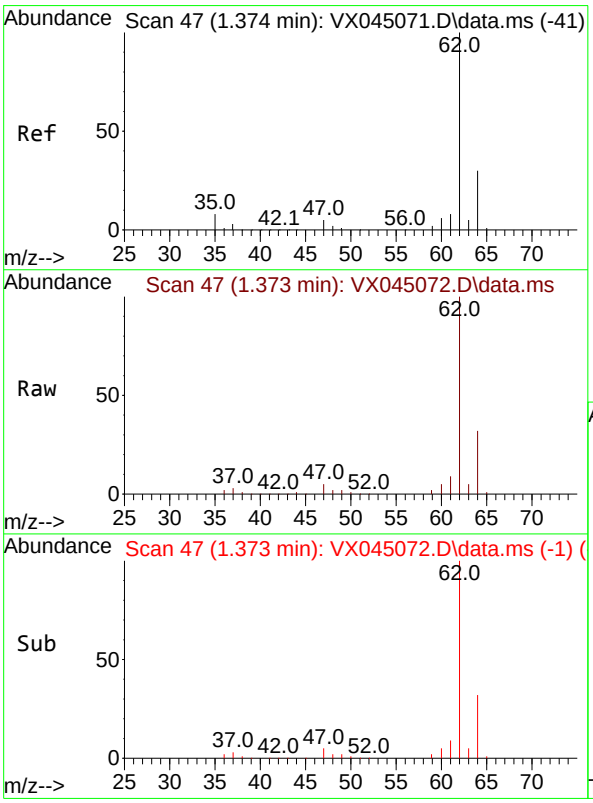
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

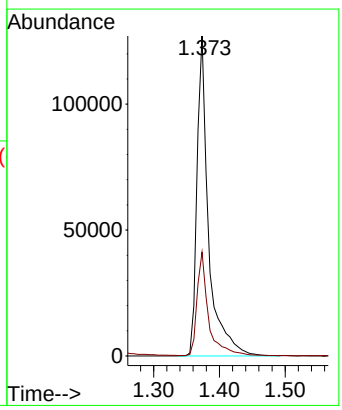


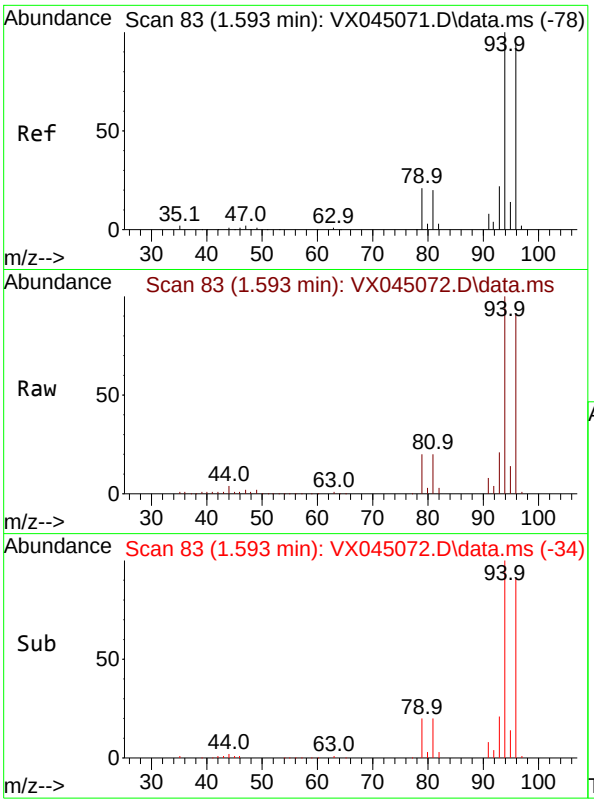


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

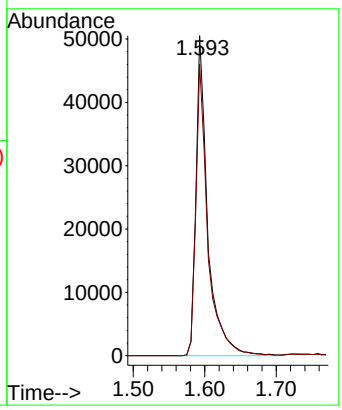




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

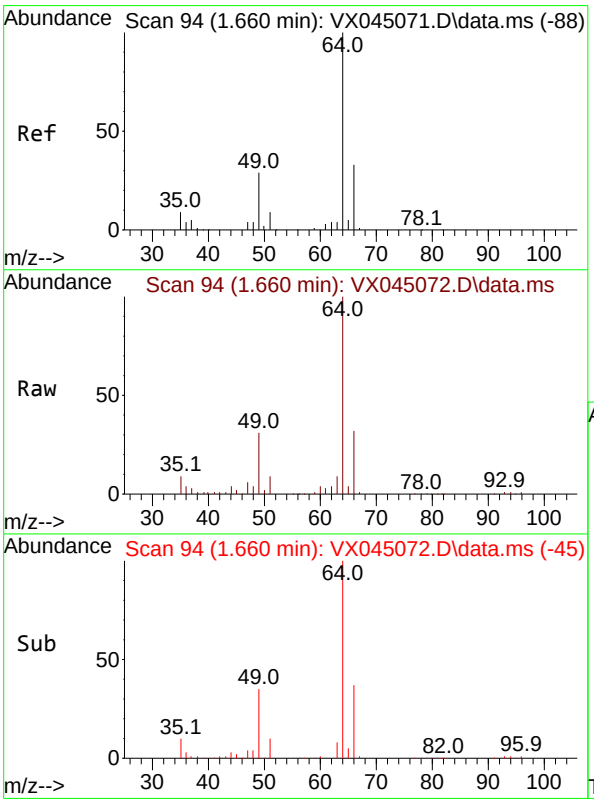
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

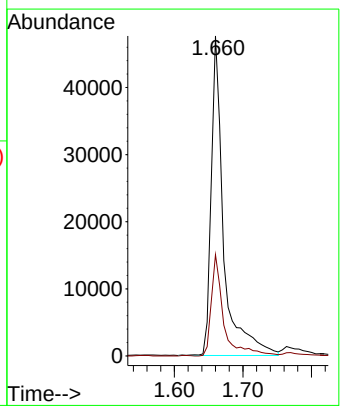
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

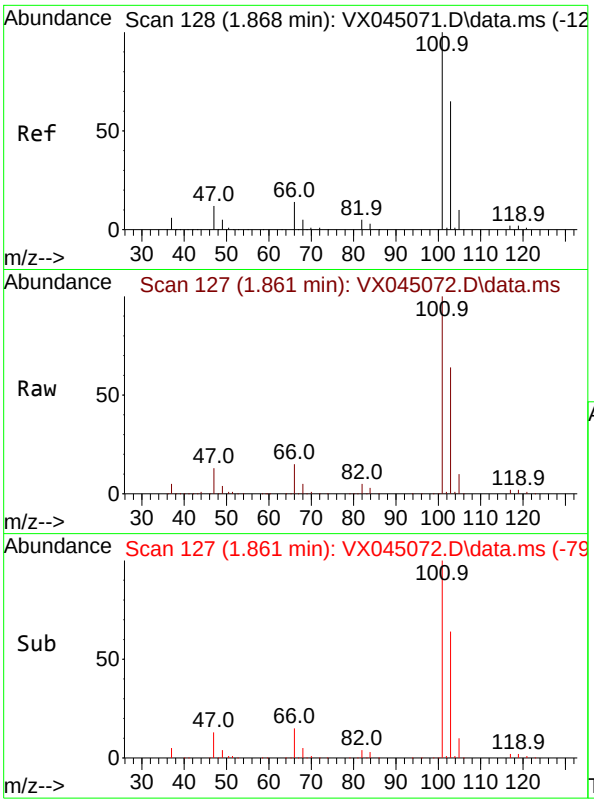


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1

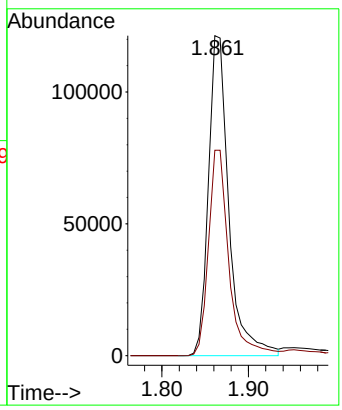




#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:101 Resp: 19870

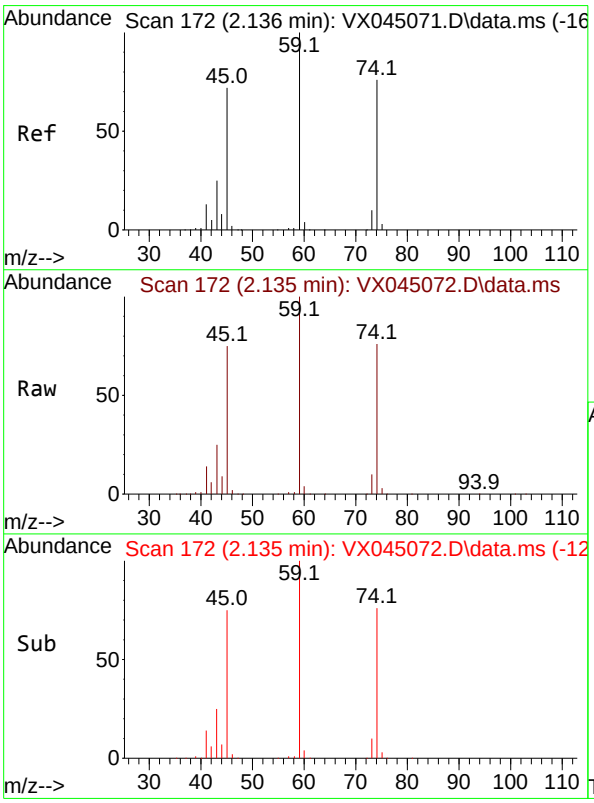
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

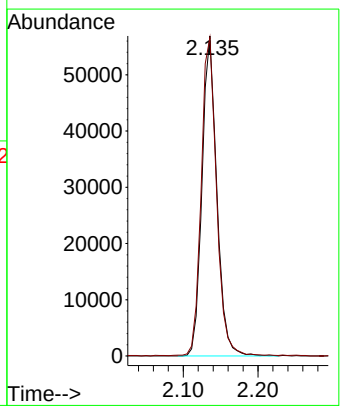
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

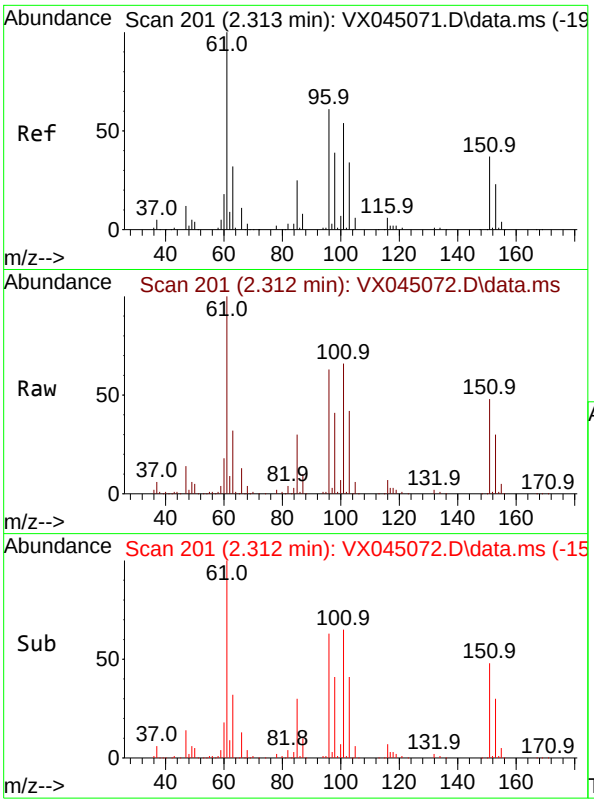


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

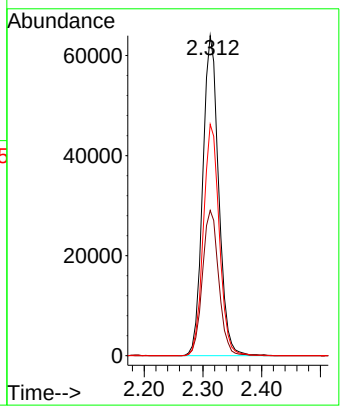
Tgt Ion:101 Resp: 12051

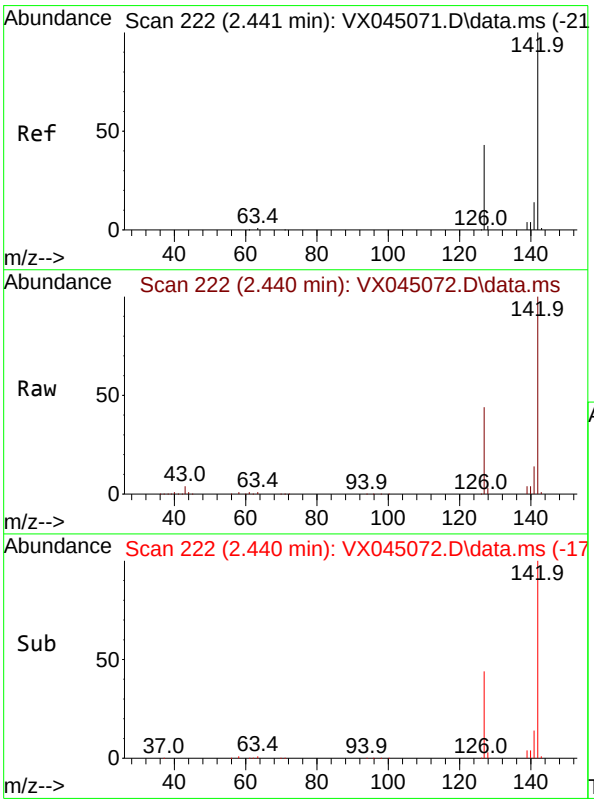
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

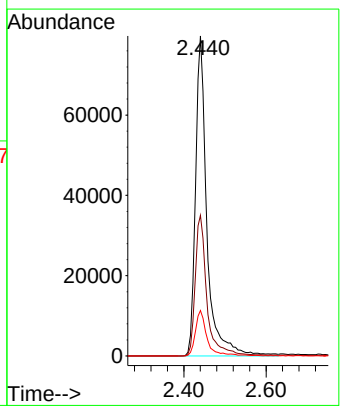


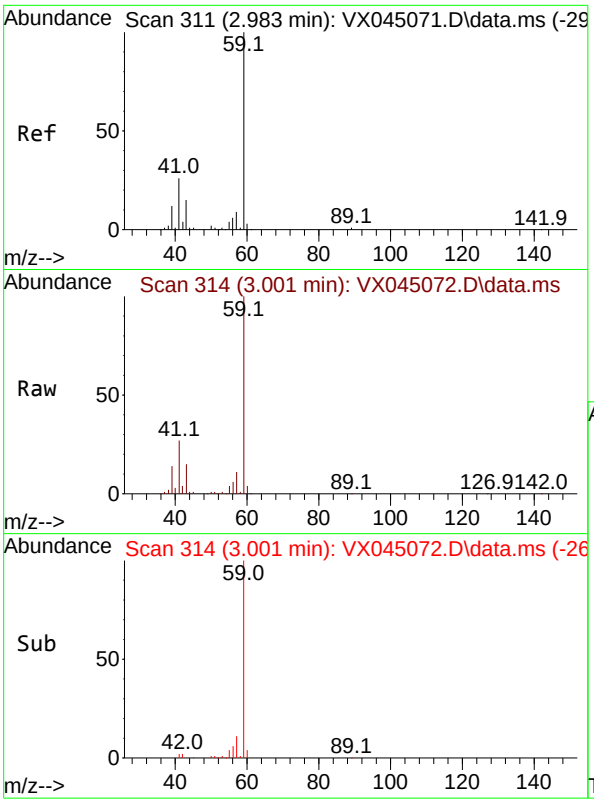


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4

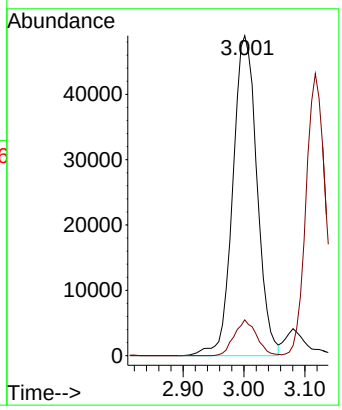




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

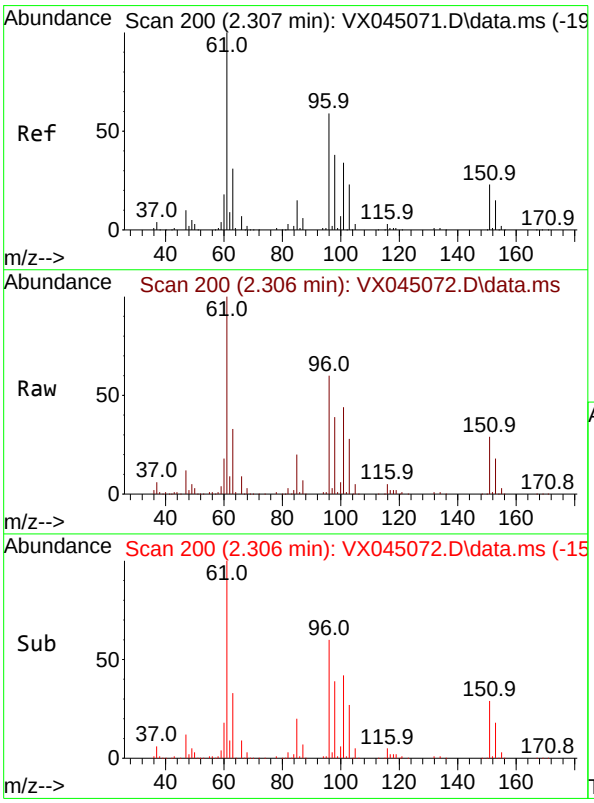
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

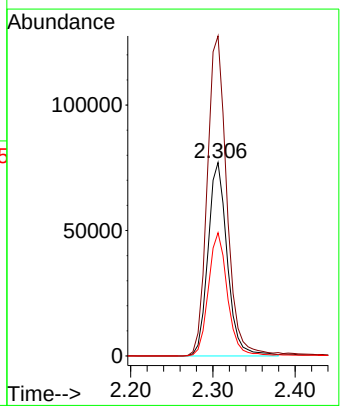
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

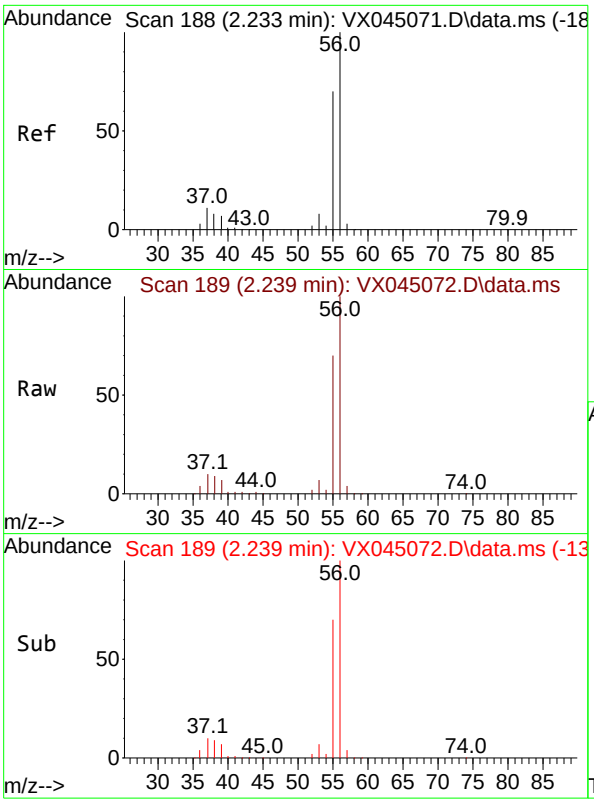


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6

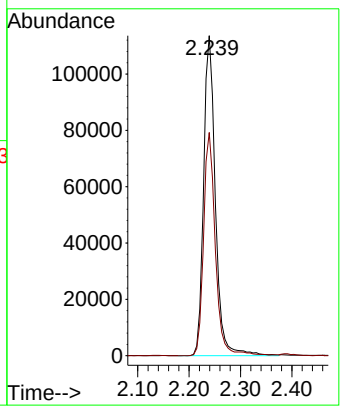




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

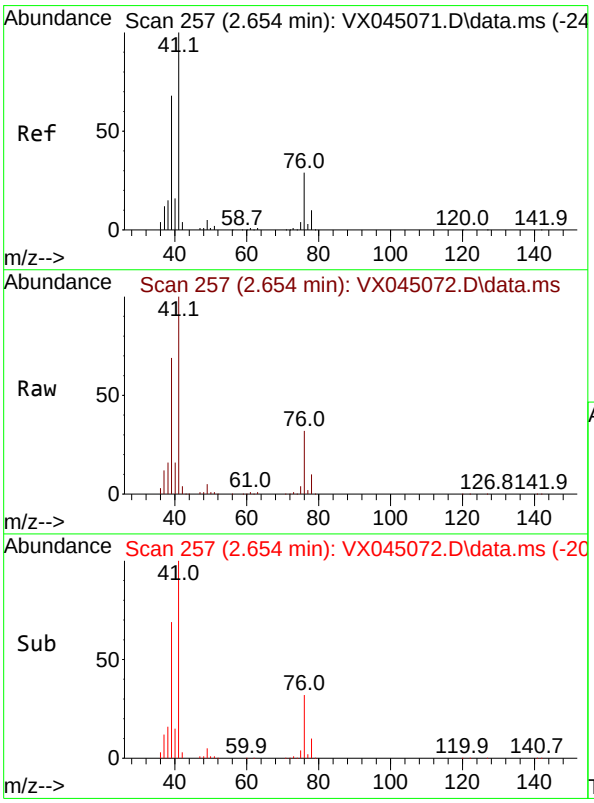
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

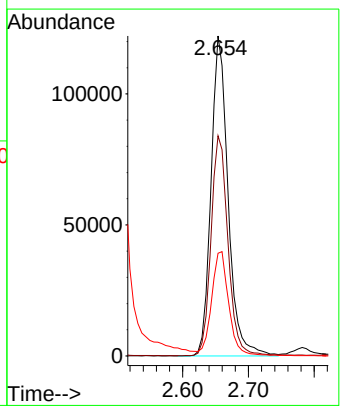
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

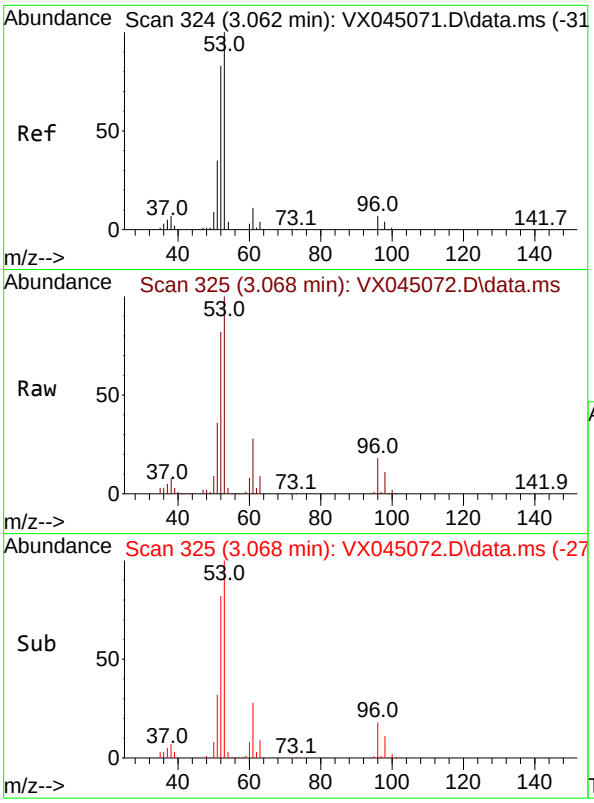


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8

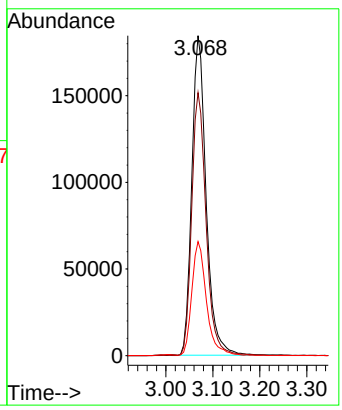




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

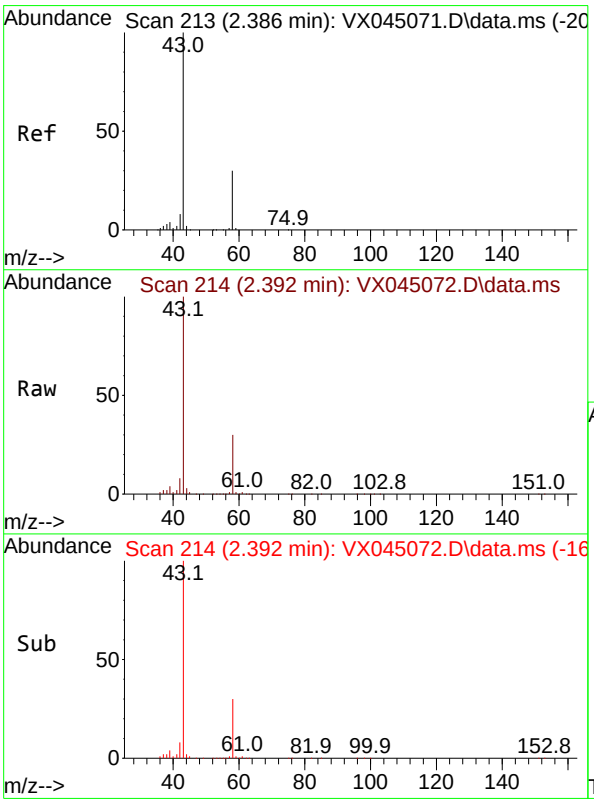
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

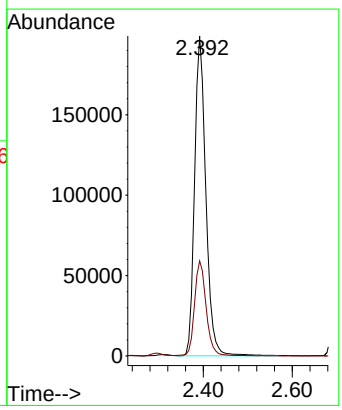
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

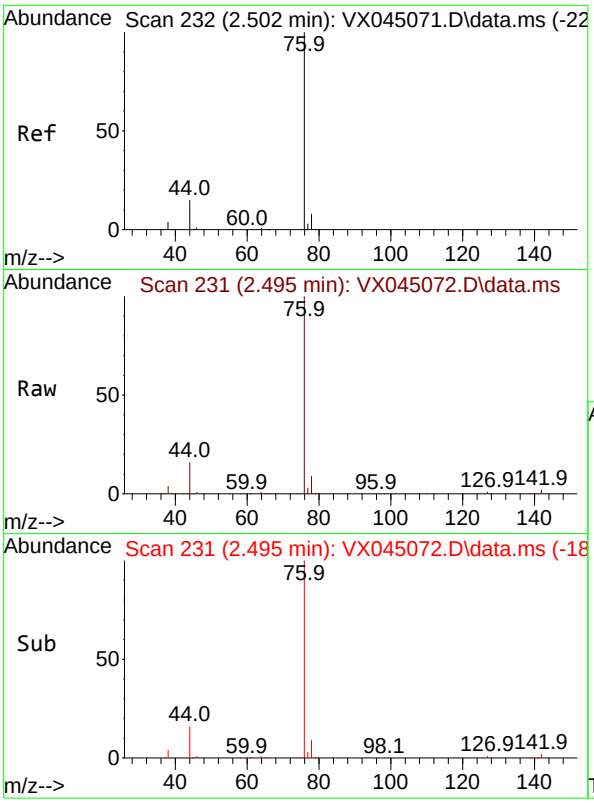


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4

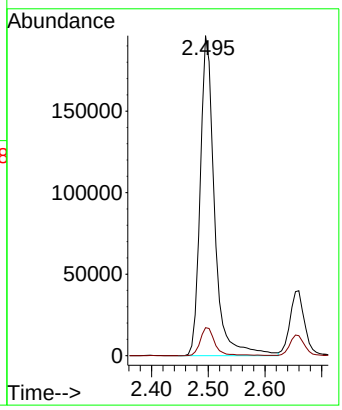




#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 34557

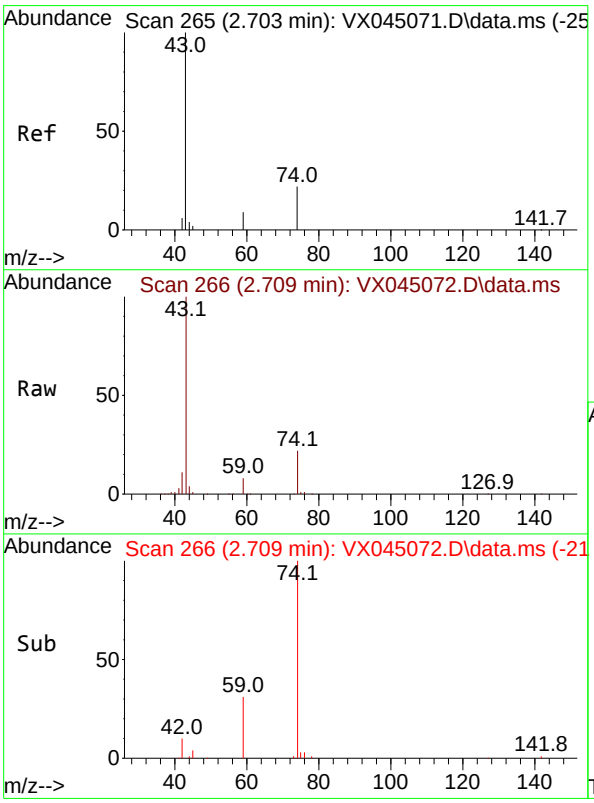
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

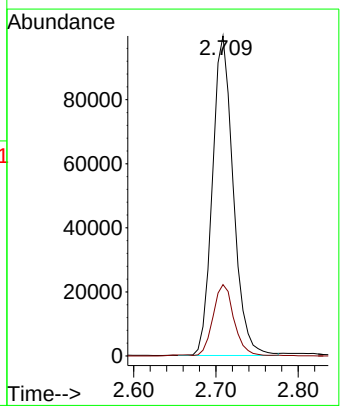
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

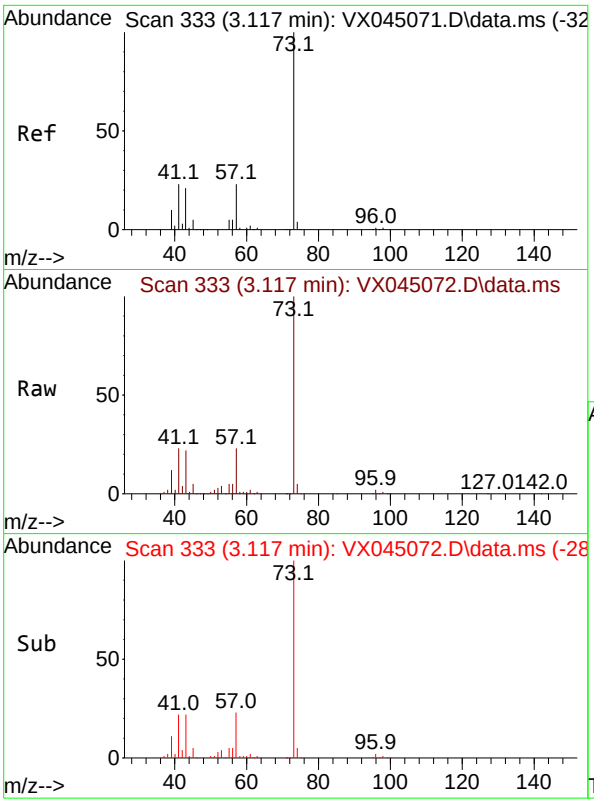


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

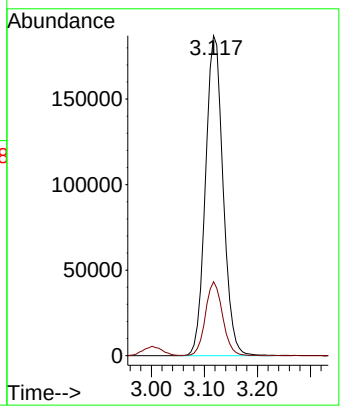




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

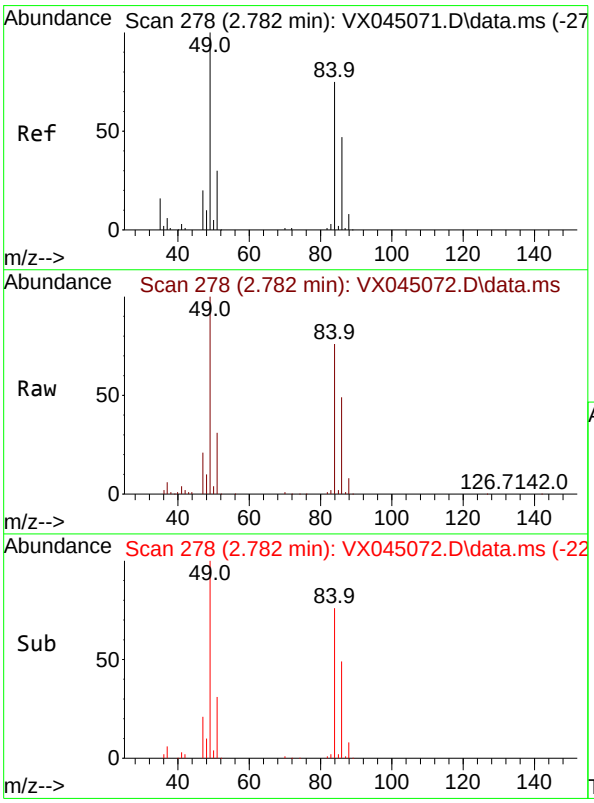
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

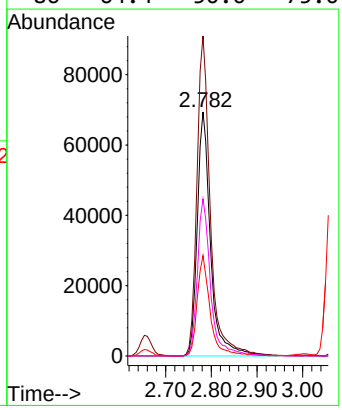
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

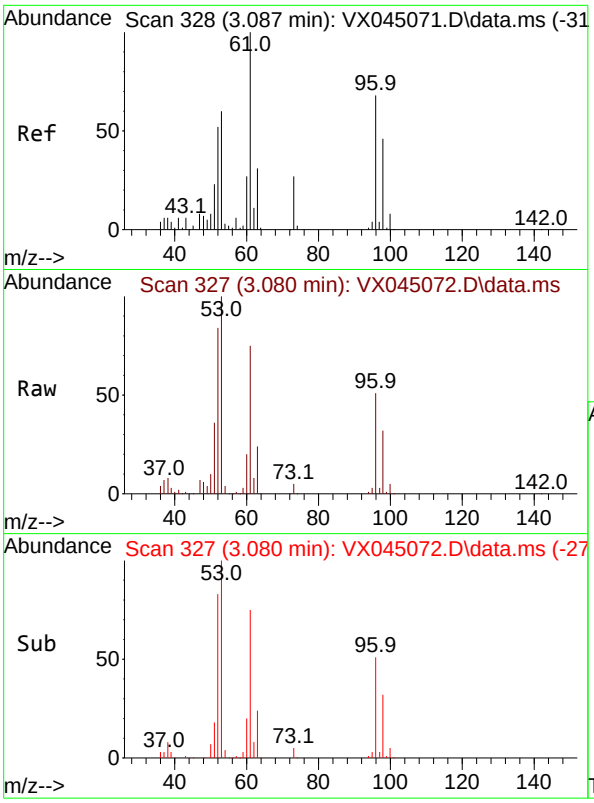


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0

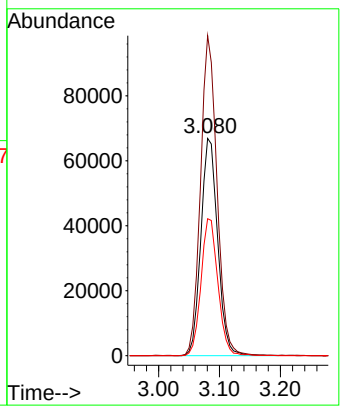




#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 12823

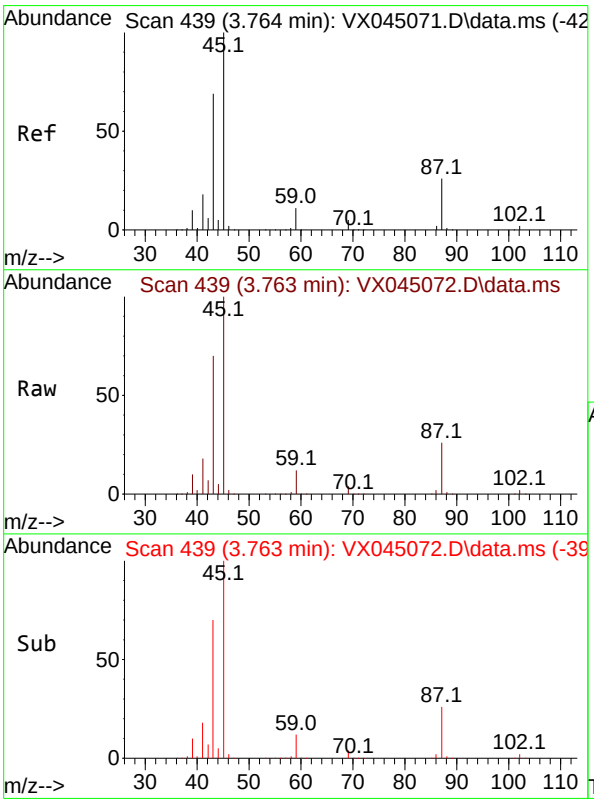
Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

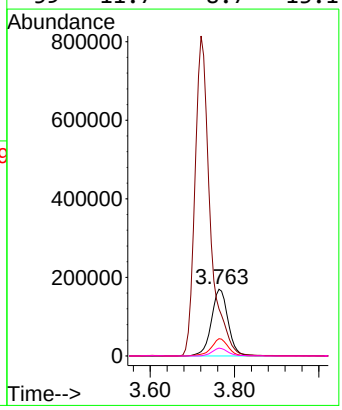
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

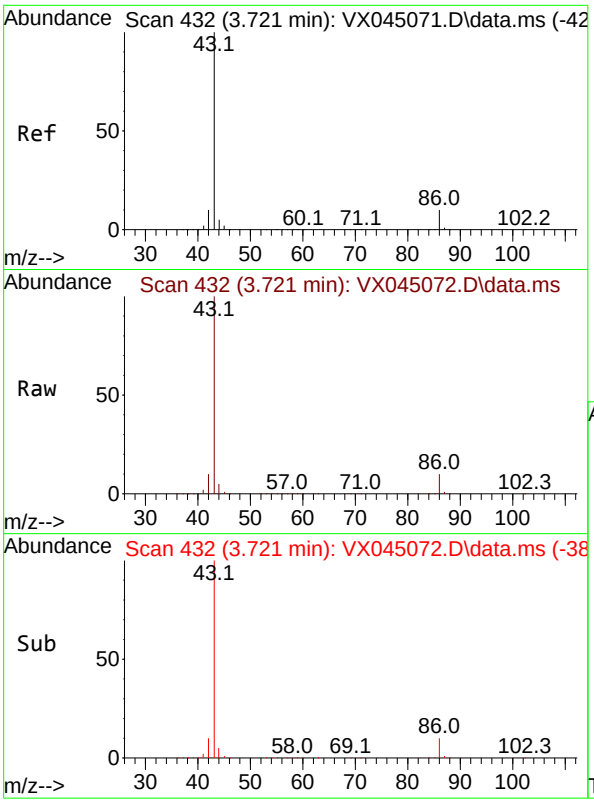


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1





#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

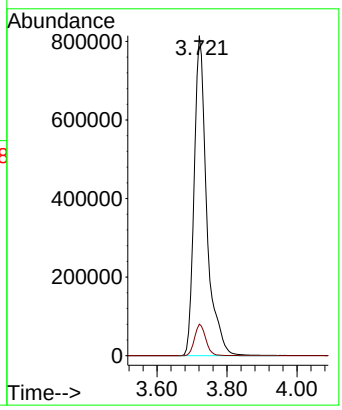
Tgt Ion: 43 Resp: 203588

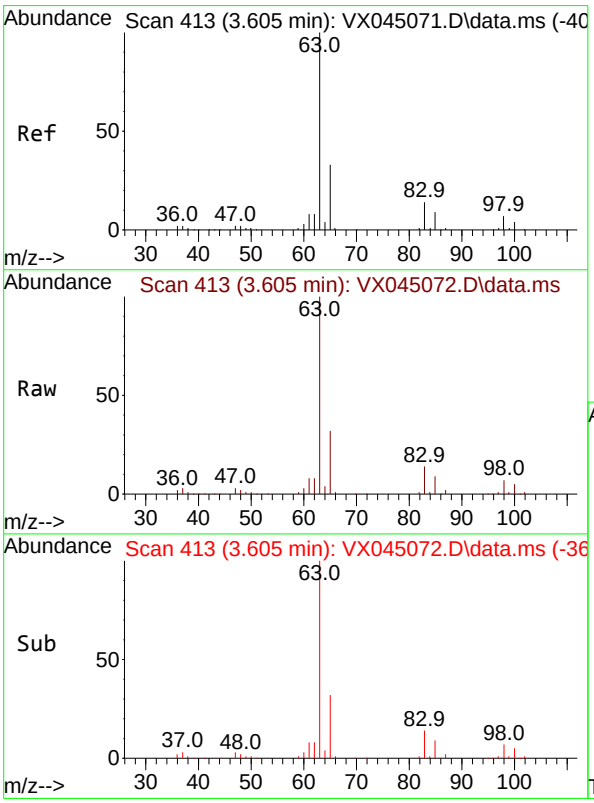
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

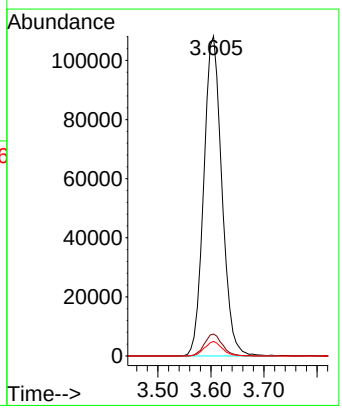


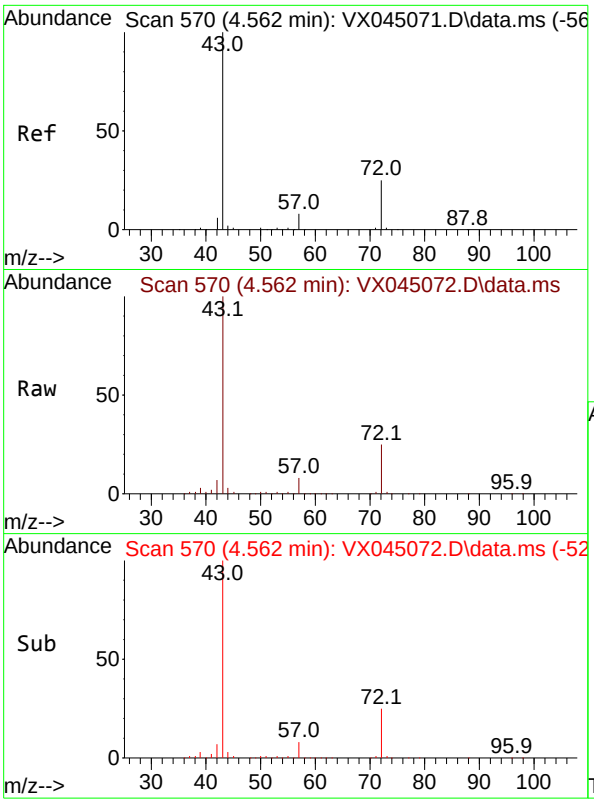


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5

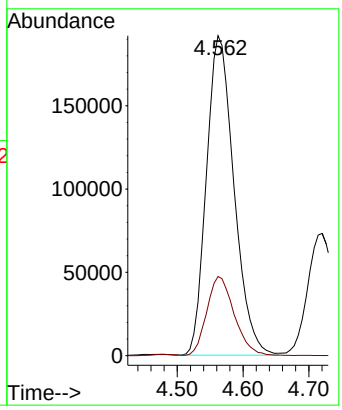




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

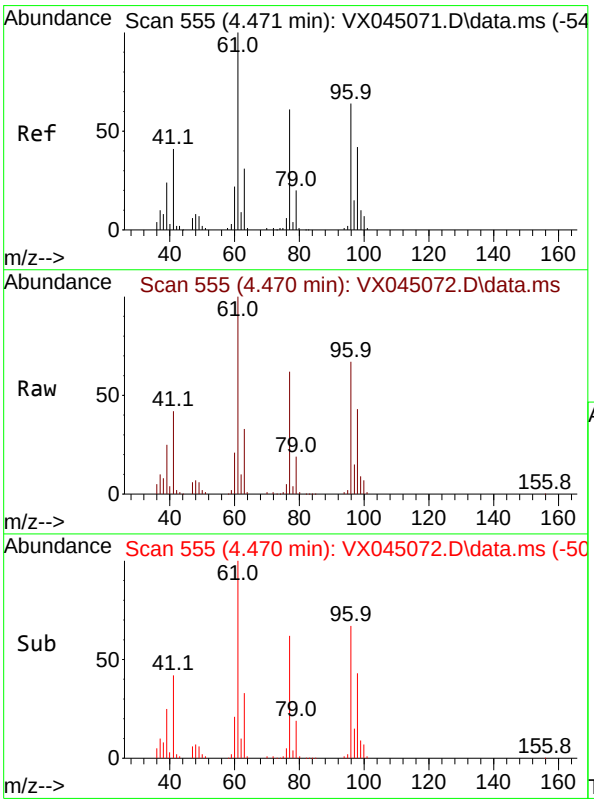
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

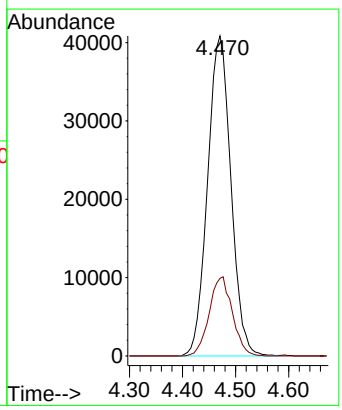
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

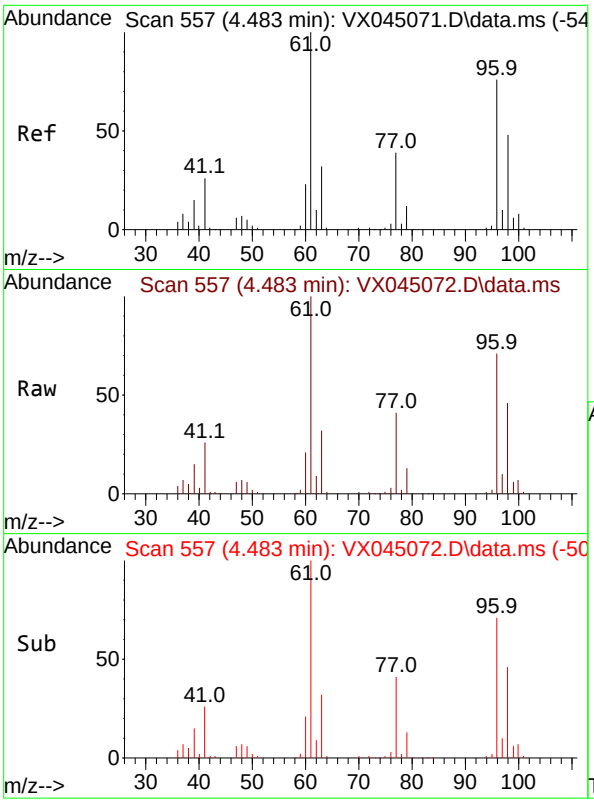


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0

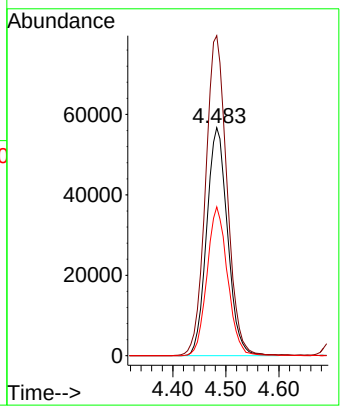




#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 15519

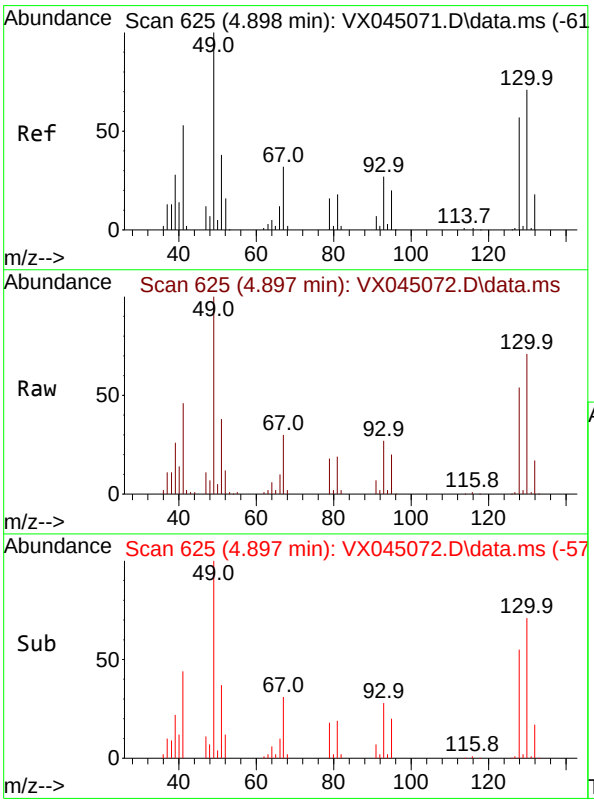
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

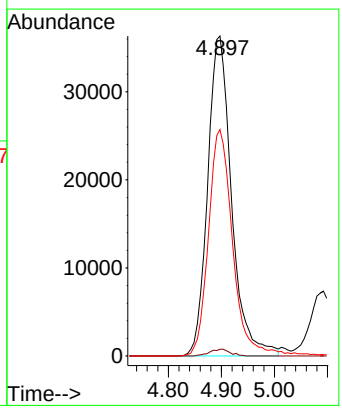
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

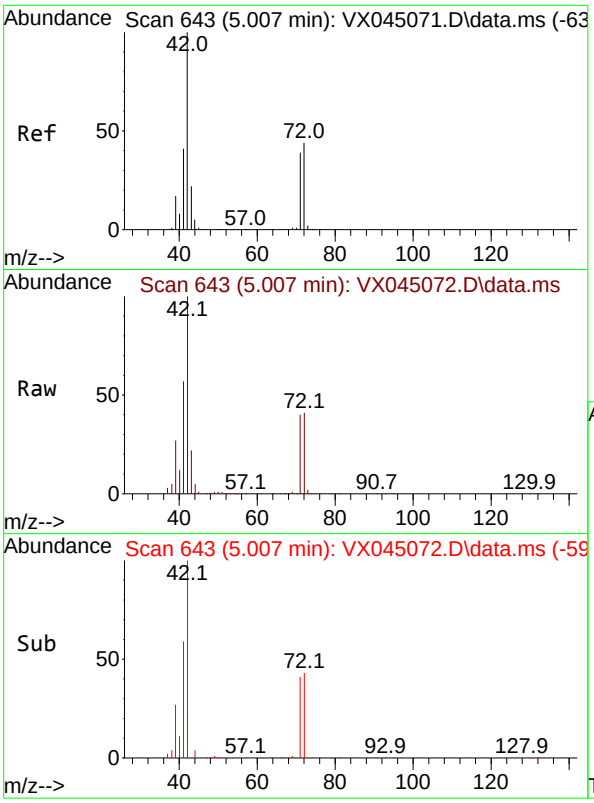


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

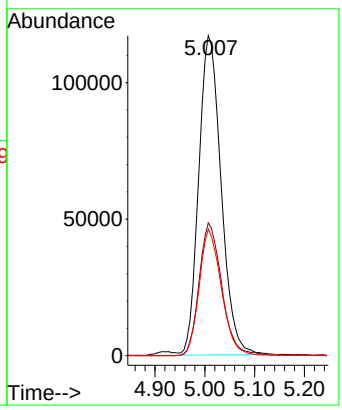
Tgt Ion: 42 Resp: 36556

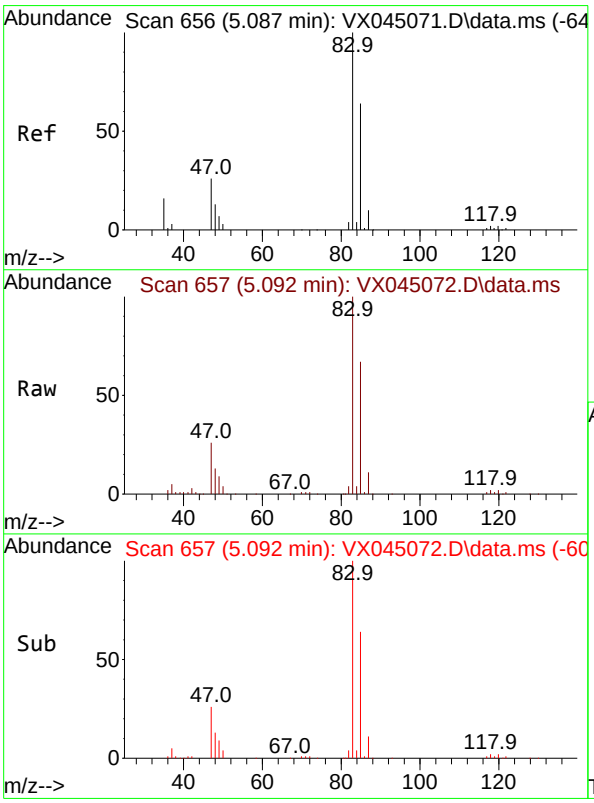
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

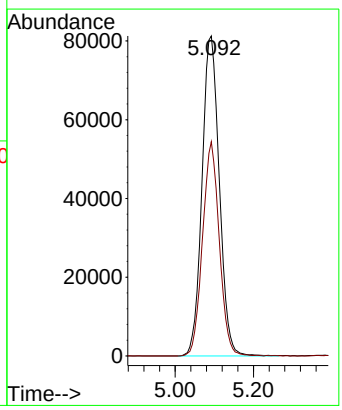


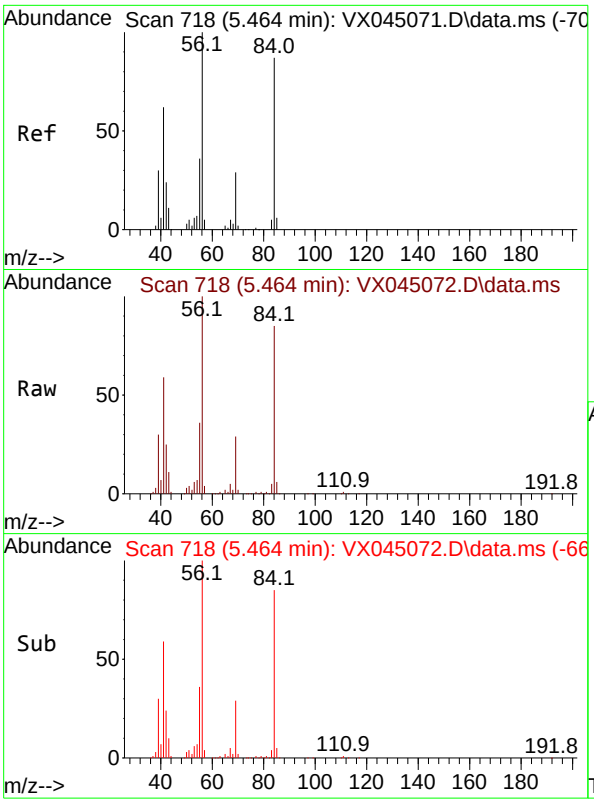


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

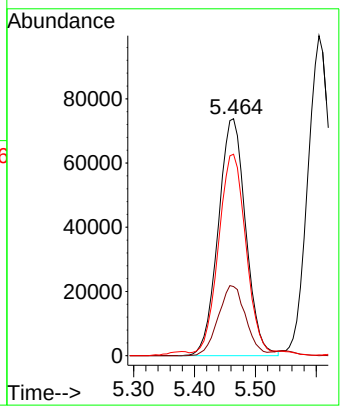




#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 23108

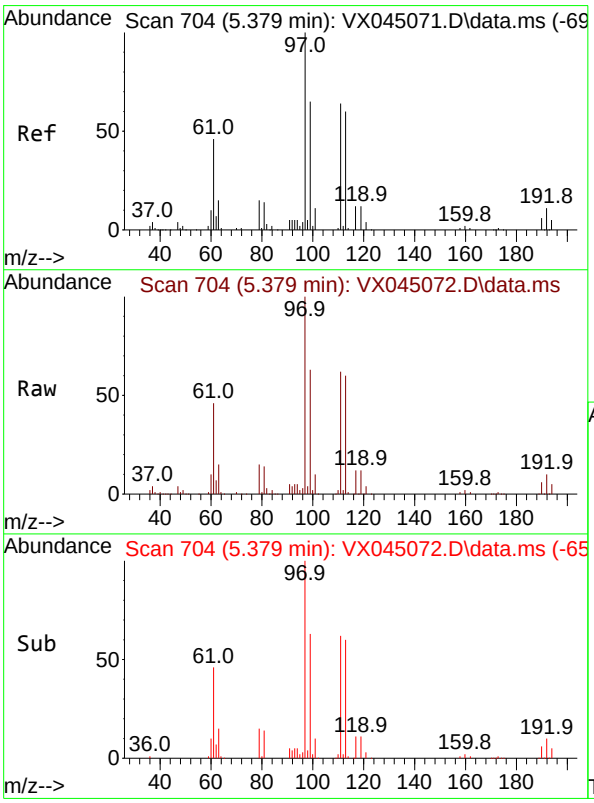
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

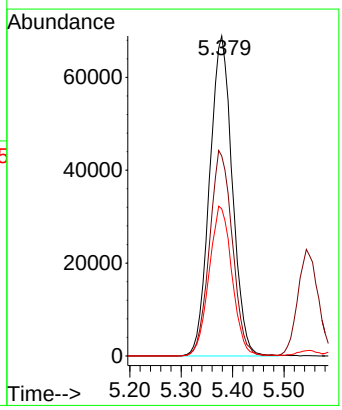
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

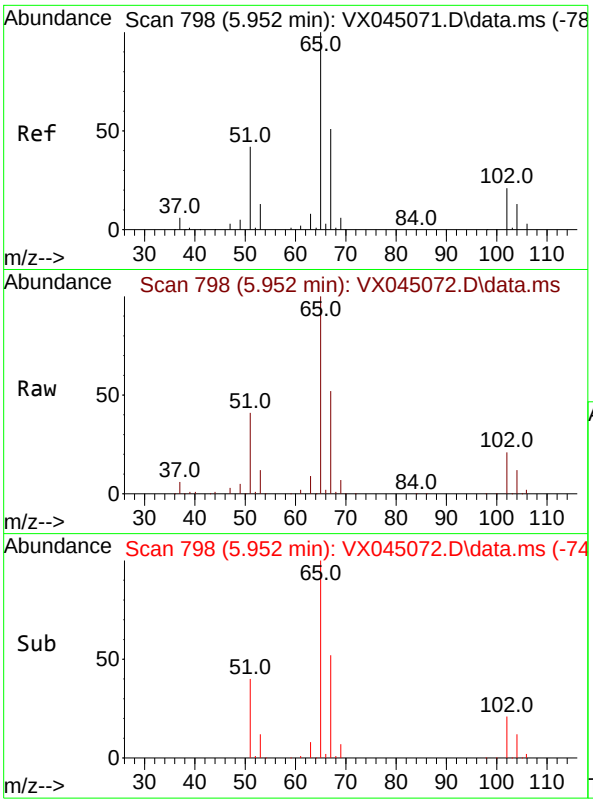


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6

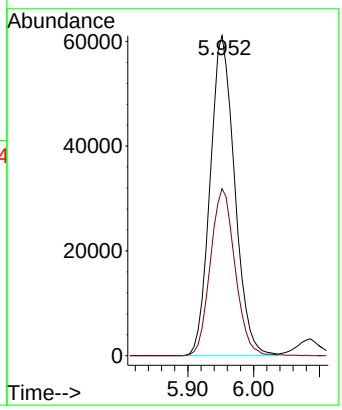




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

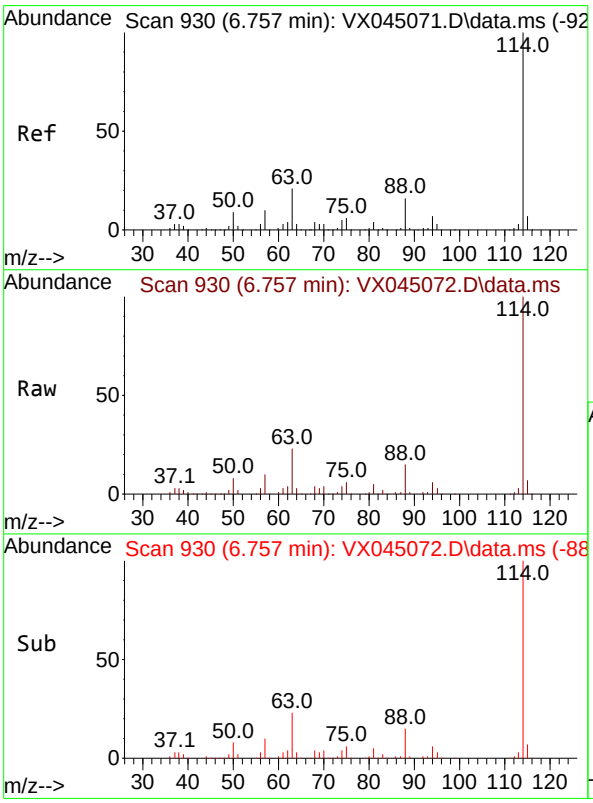
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

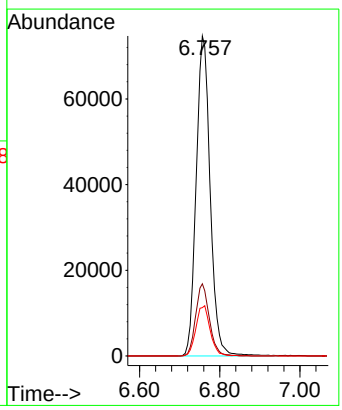
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

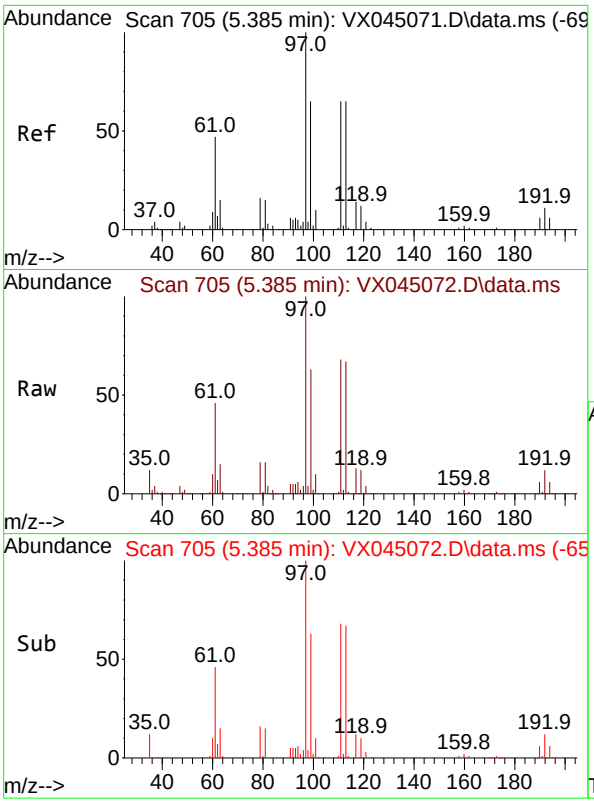


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8

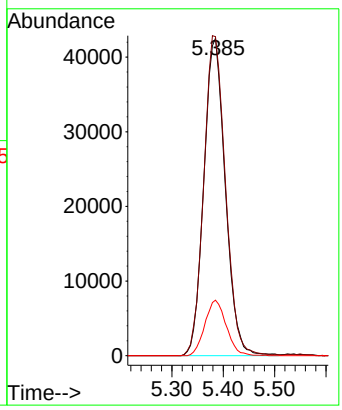




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

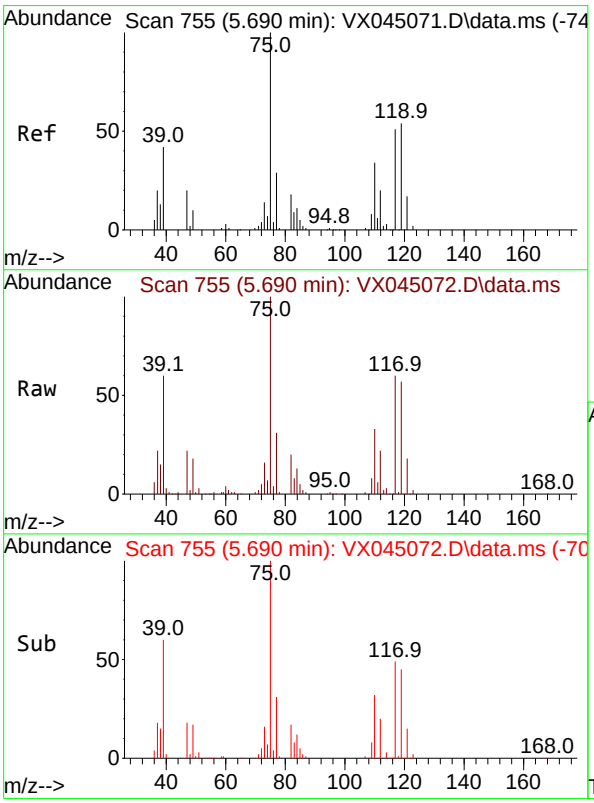
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

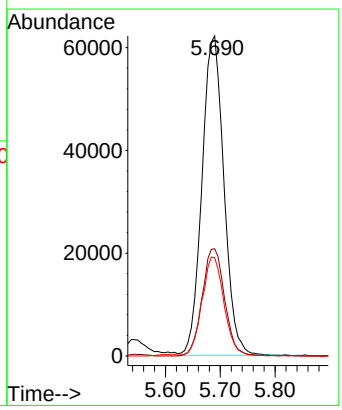
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

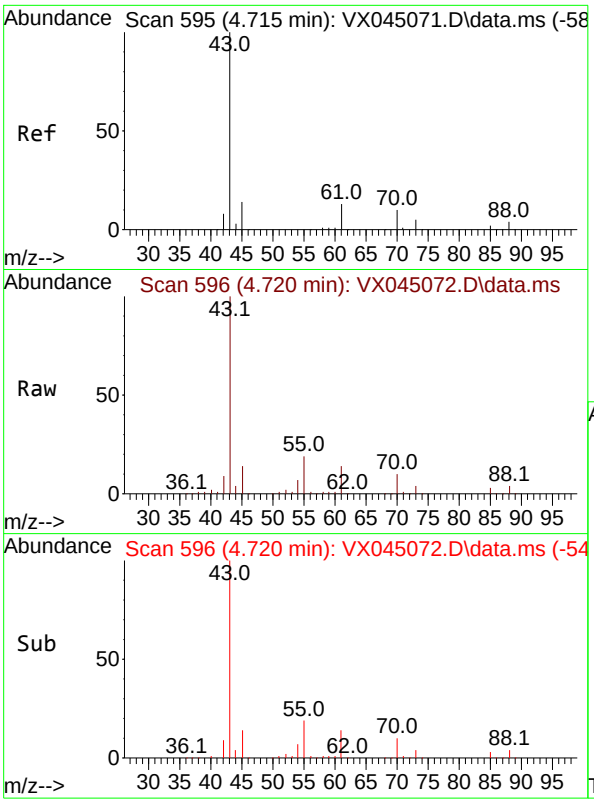


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7

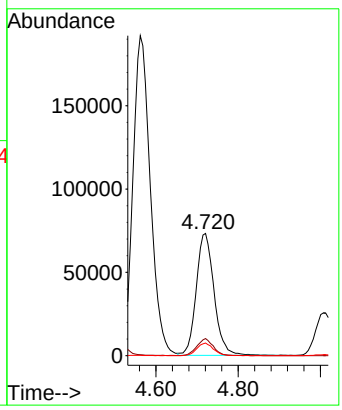




#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 22032

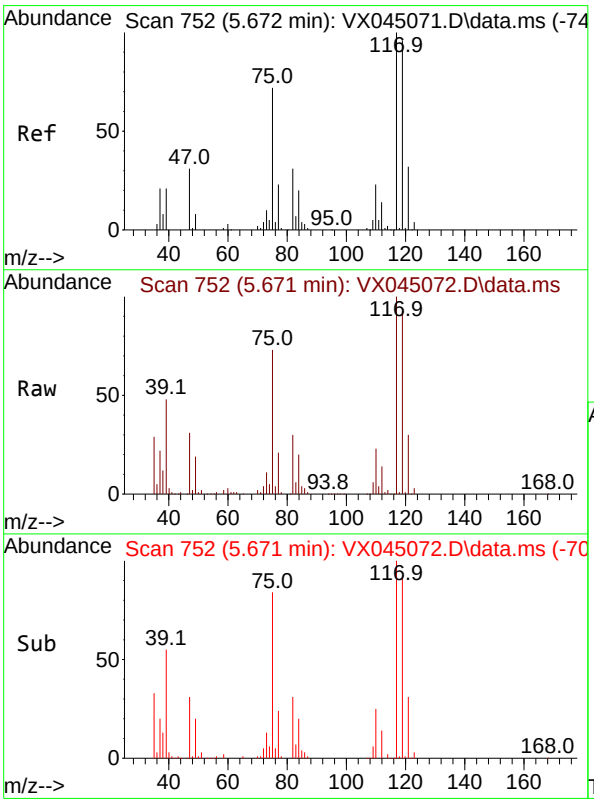
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

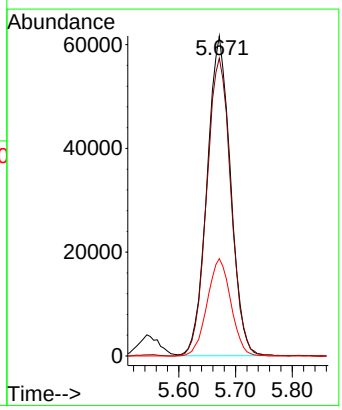
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

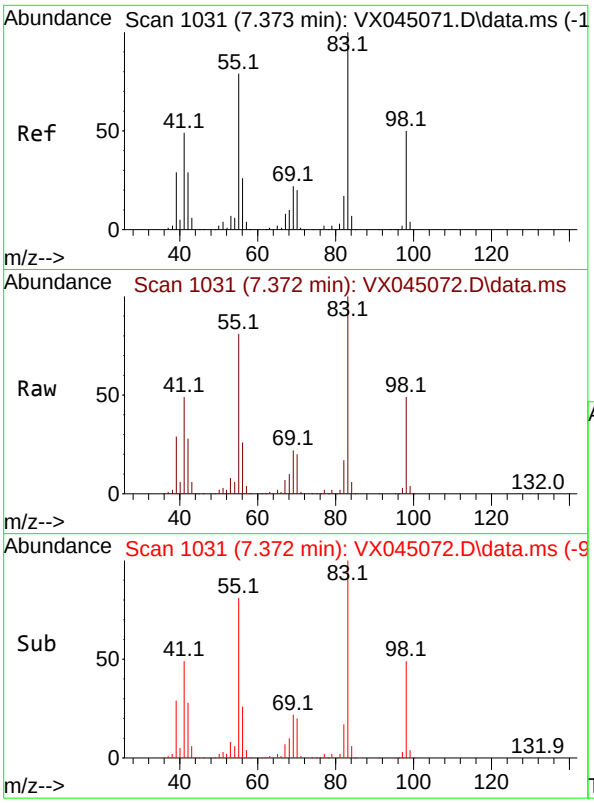


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3

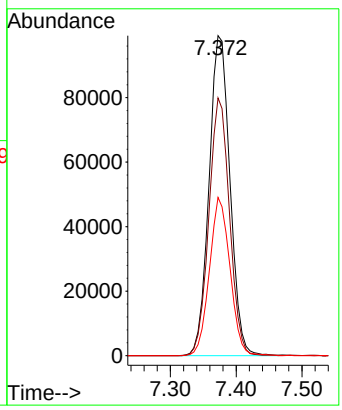




#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 21985

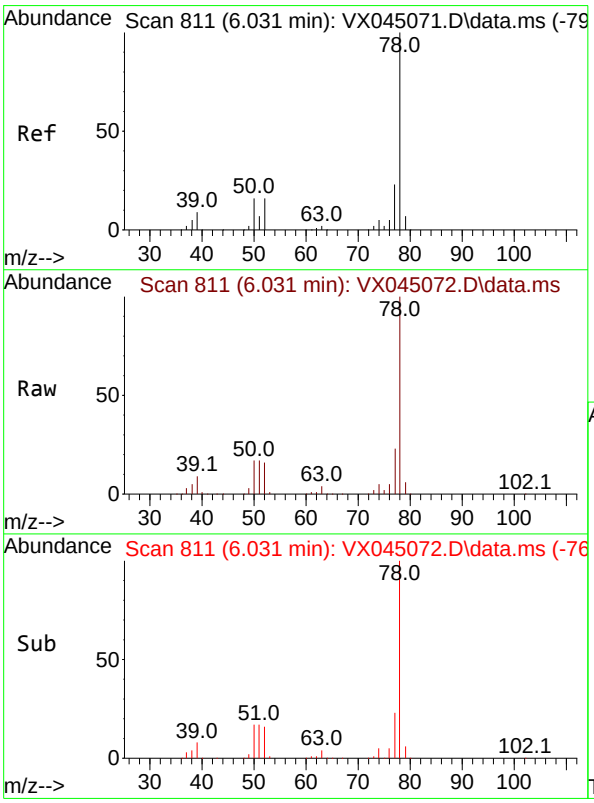
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

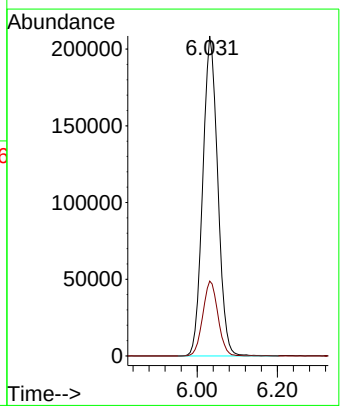
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

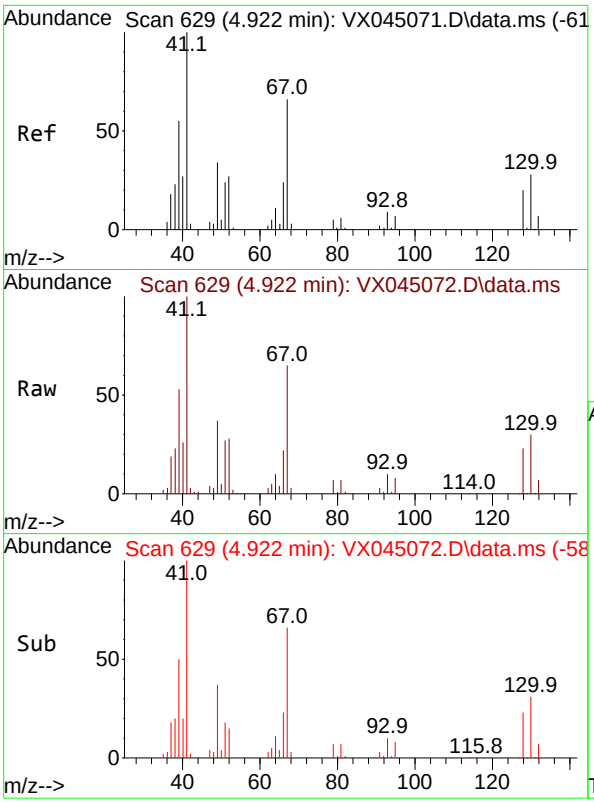


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

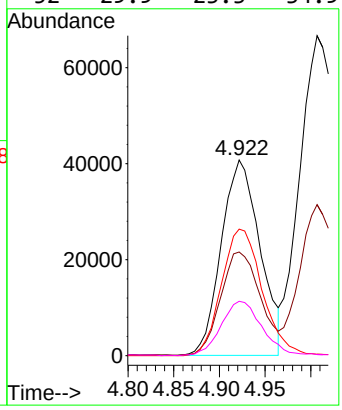




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

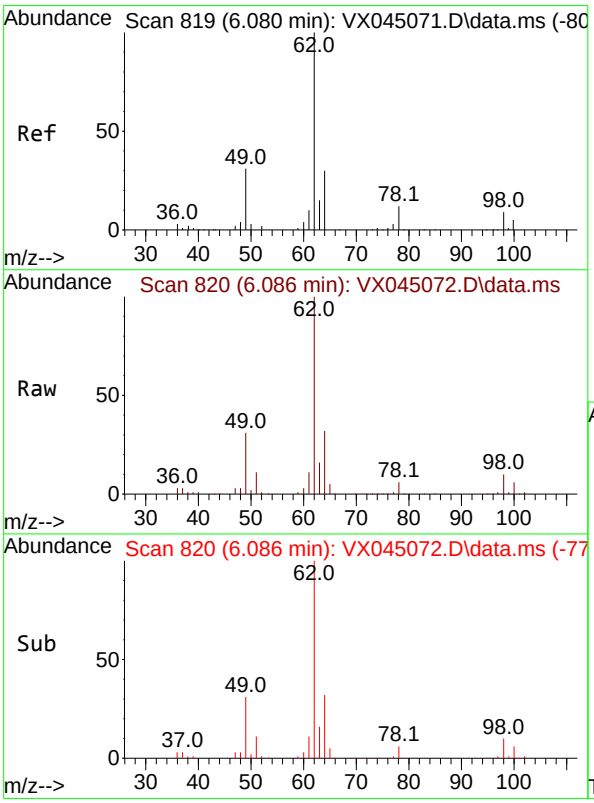
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

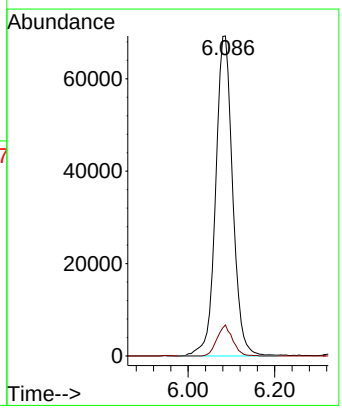
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

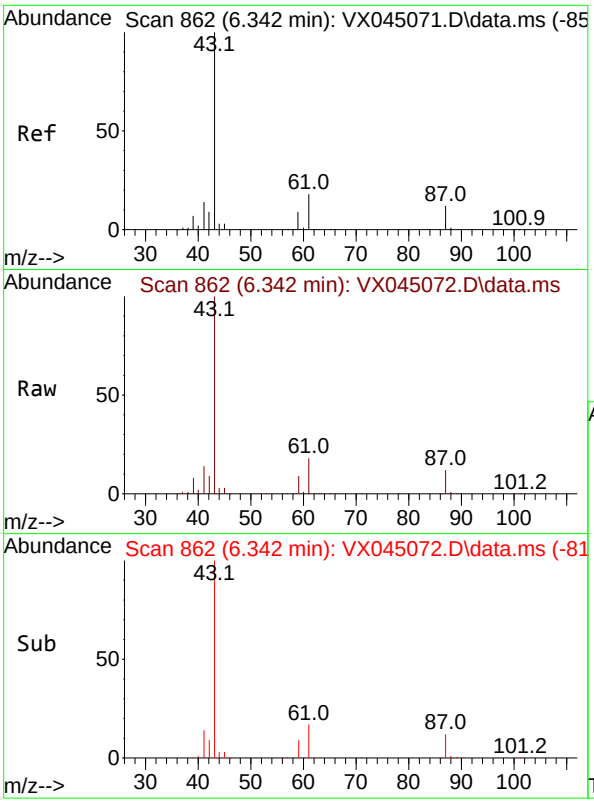


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

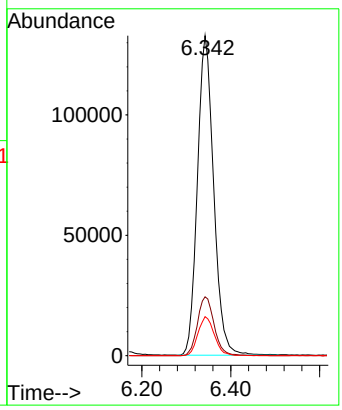
Tgt Ion: 43 Resp: 33841

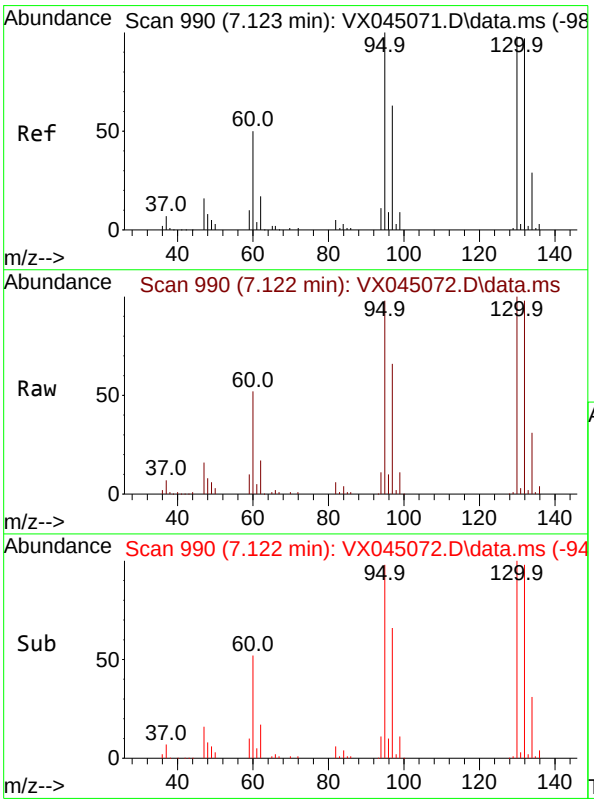
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

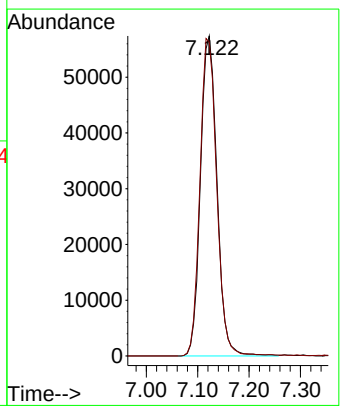


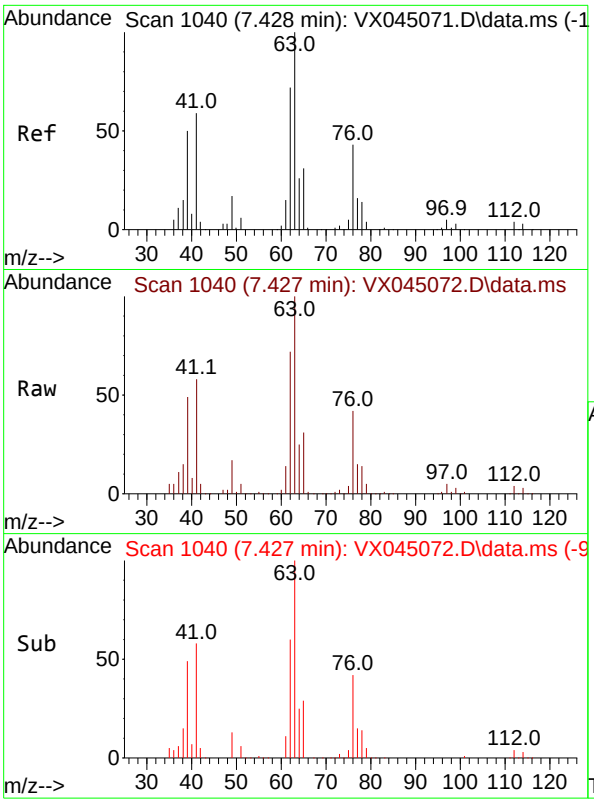


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0

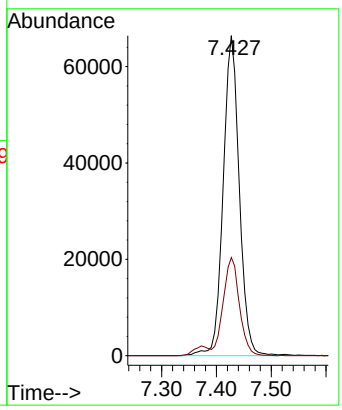




#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 13599

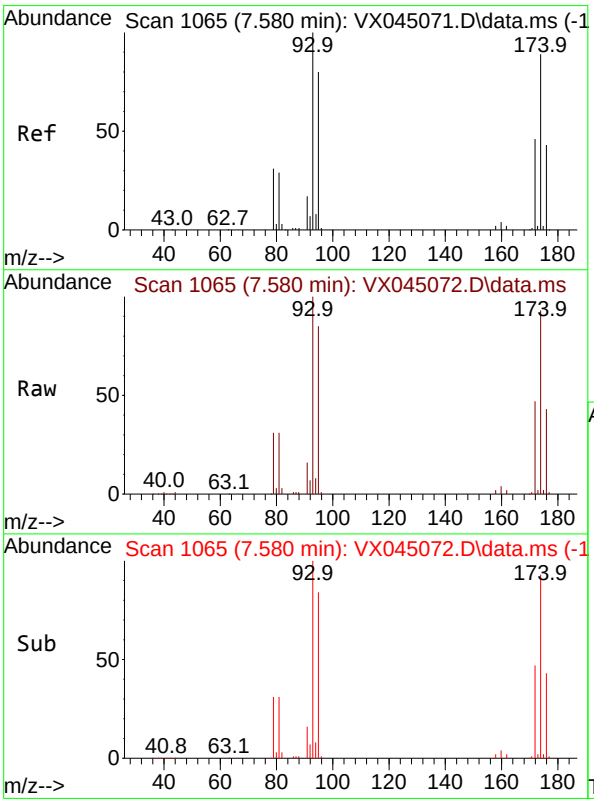
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

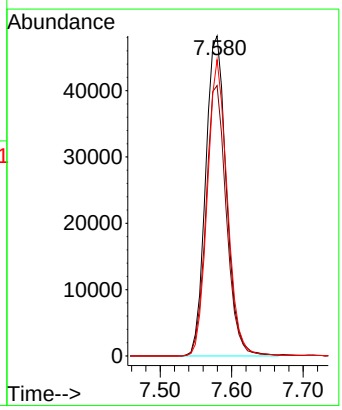
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

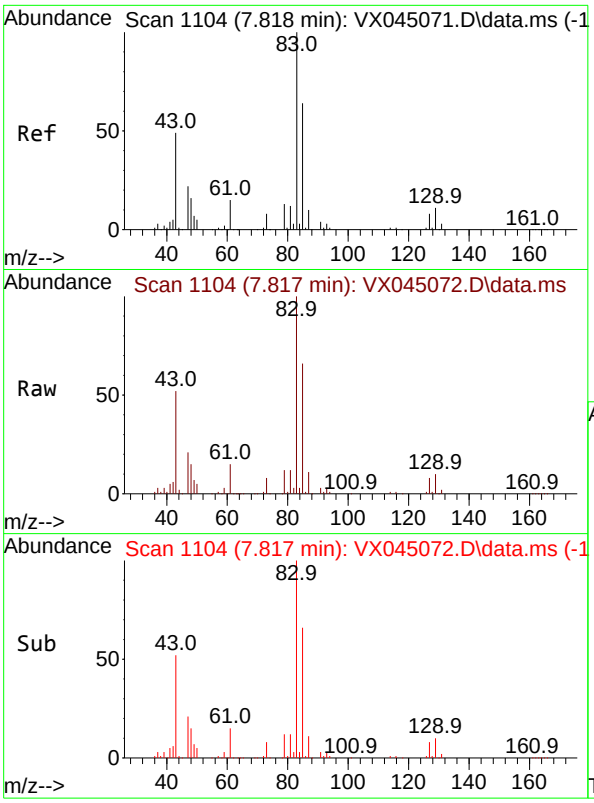


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2

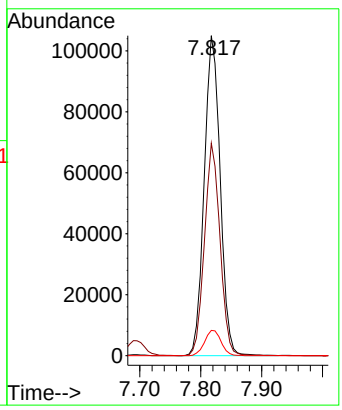




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

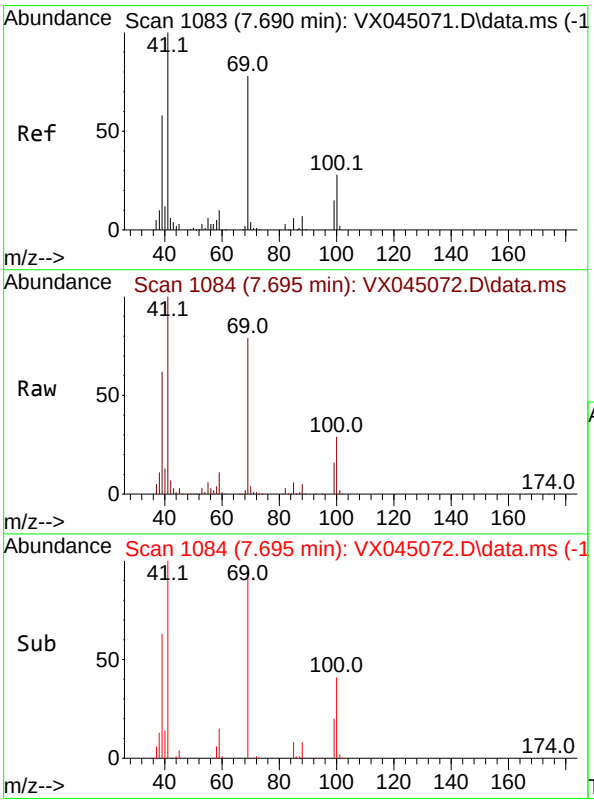
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

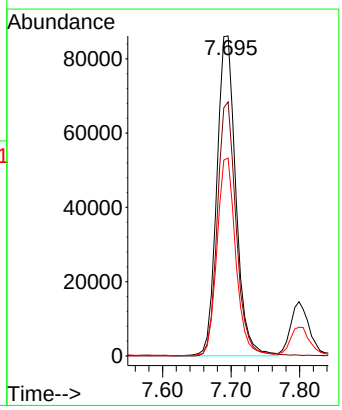
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

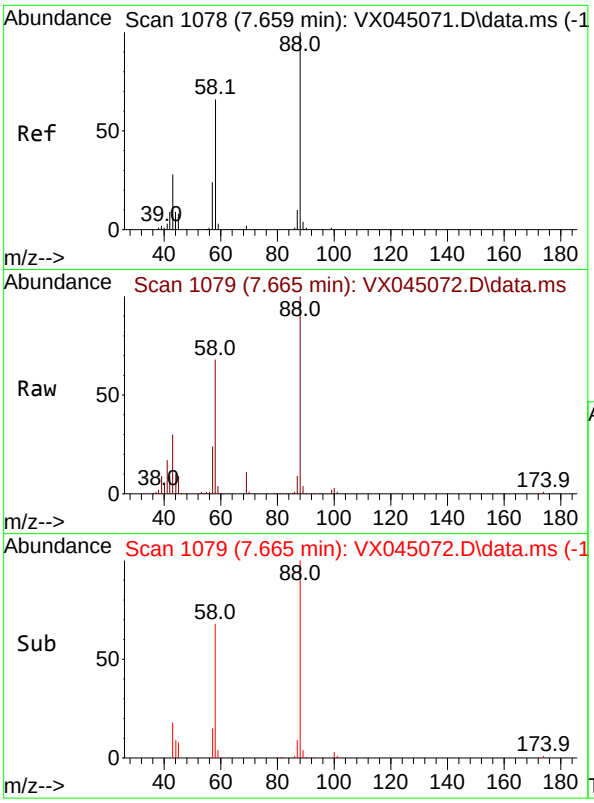


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3





#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

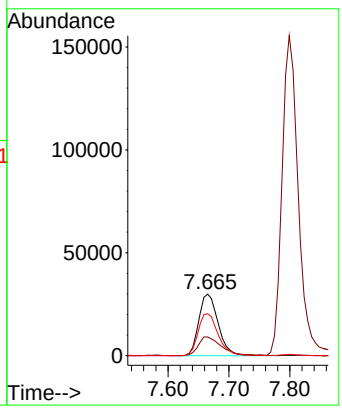
Tgt Ion: 88 Resp: 6630

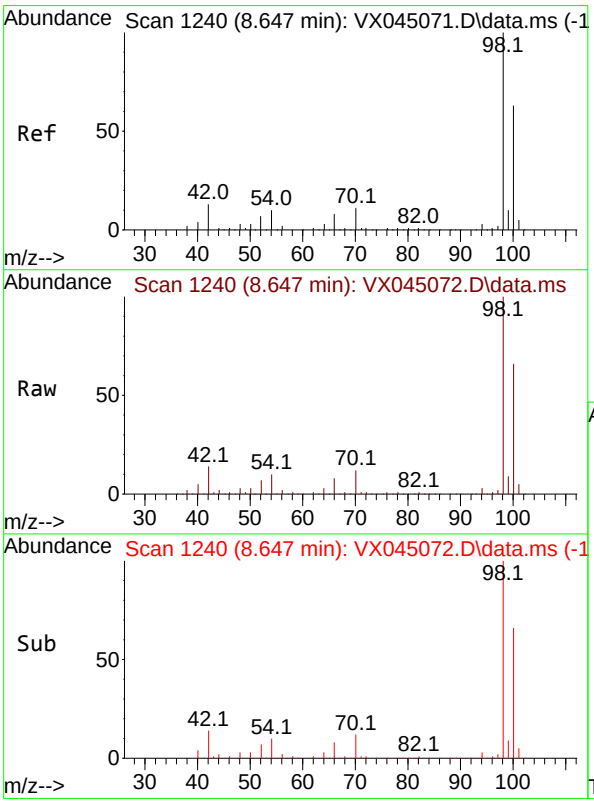
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

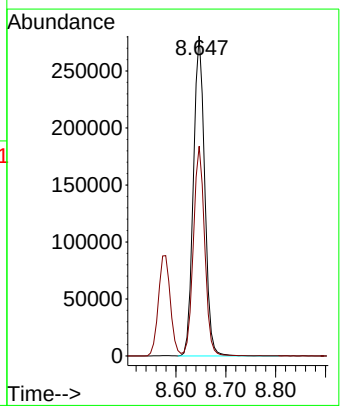


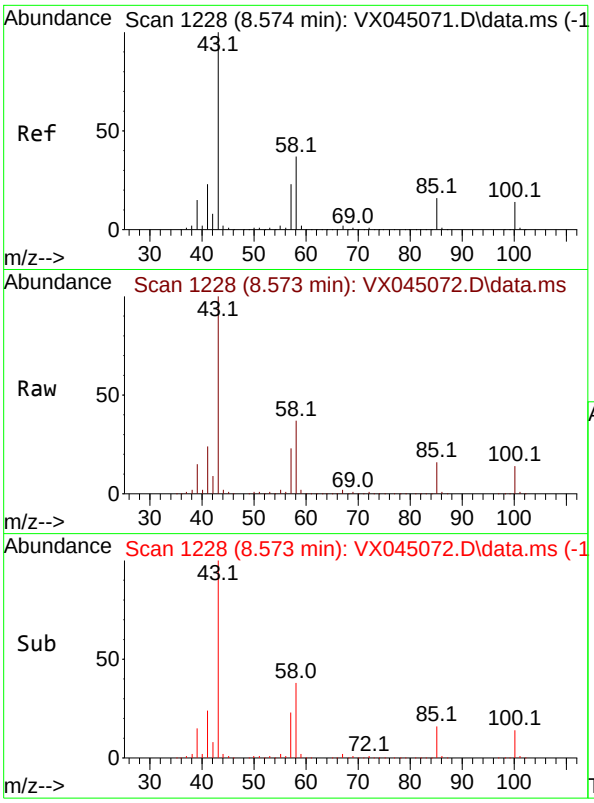


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

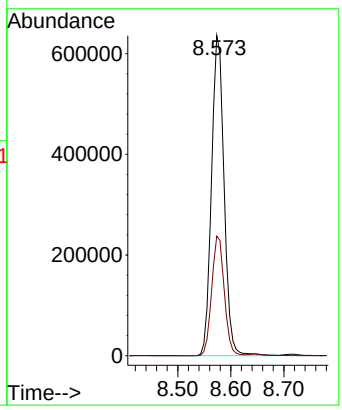




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

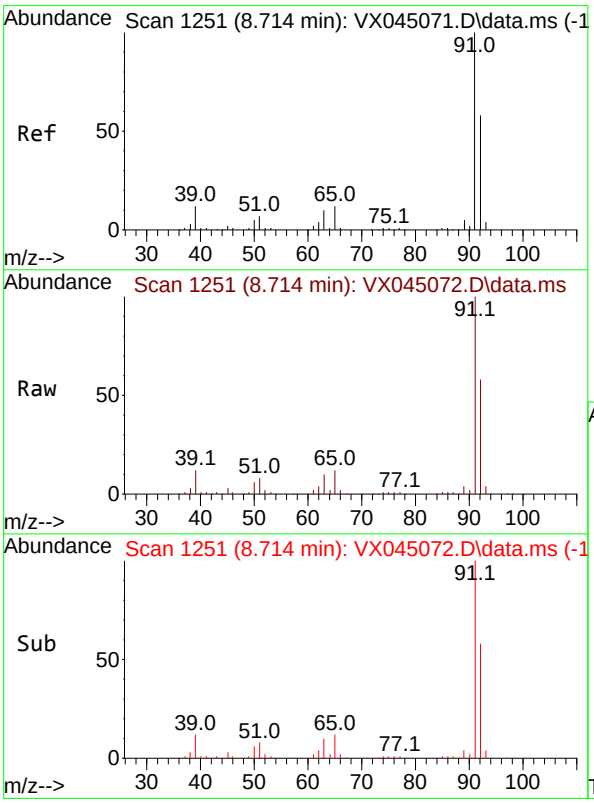
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

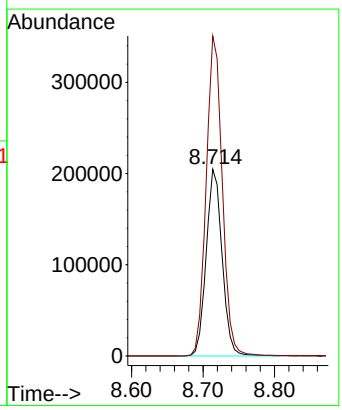
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

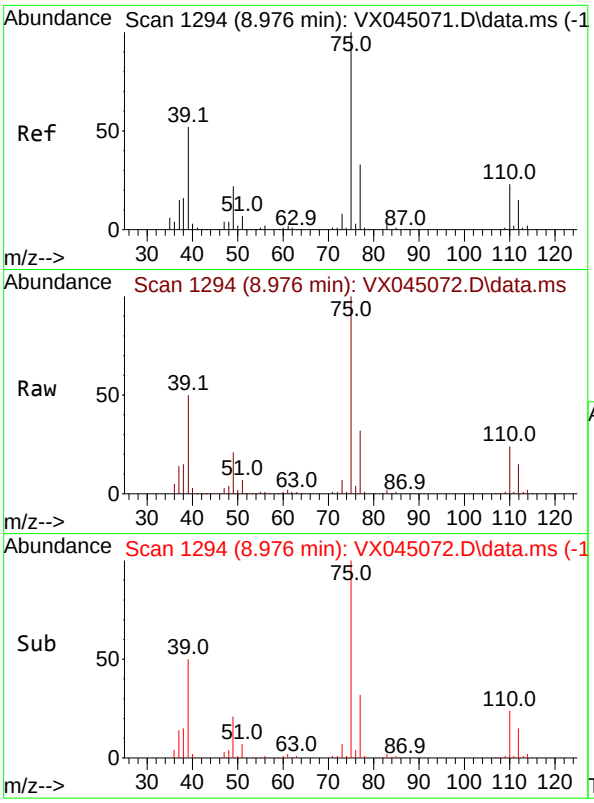


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

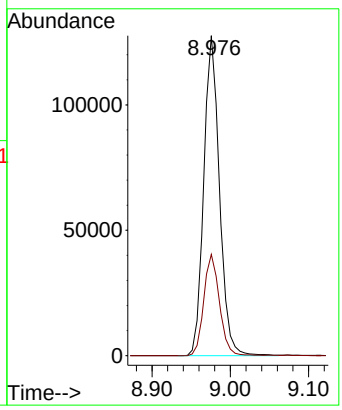




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

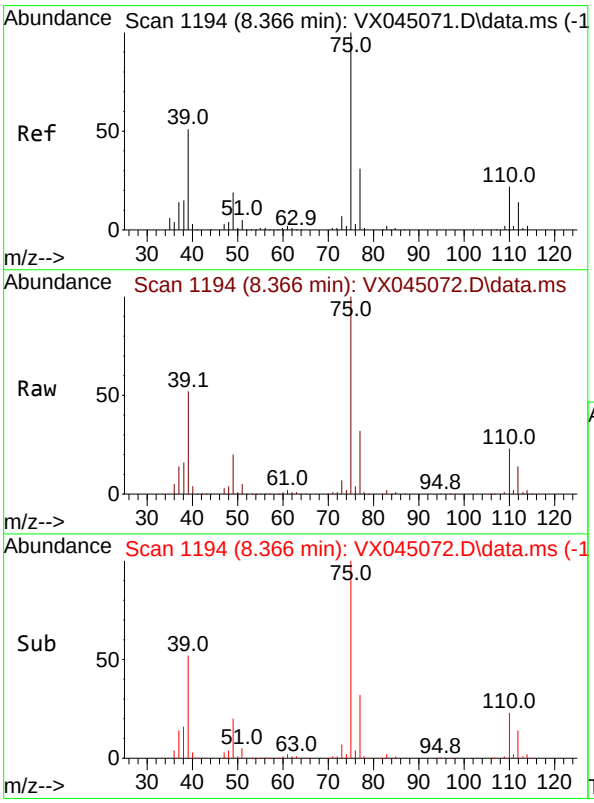
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

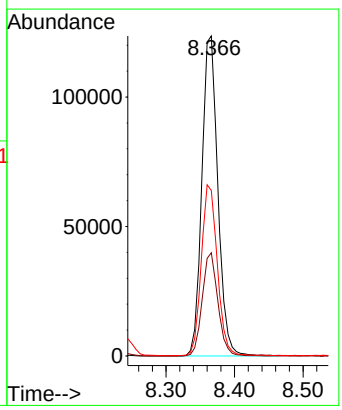
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

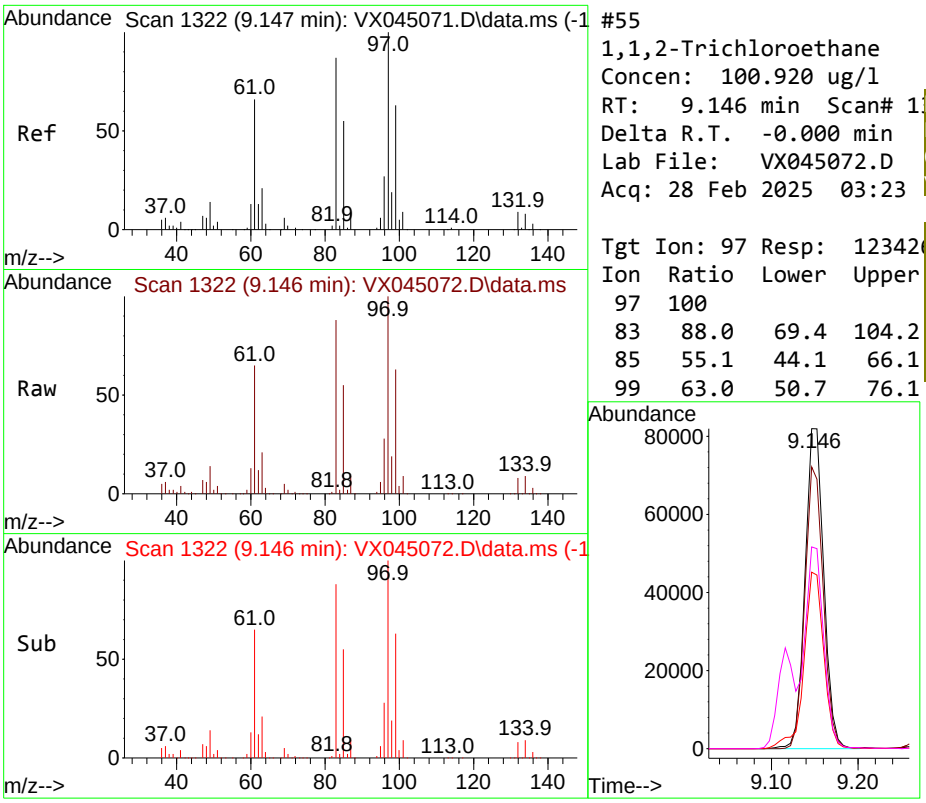


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1





#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

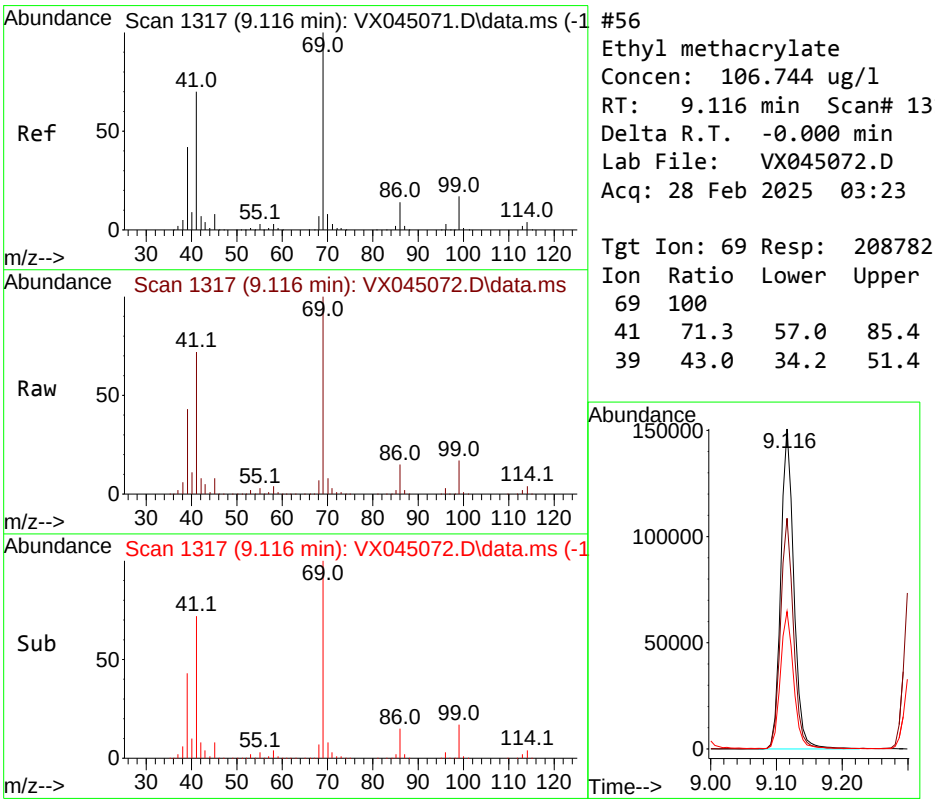
Tgt Ion: 97 Resp: 12342

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

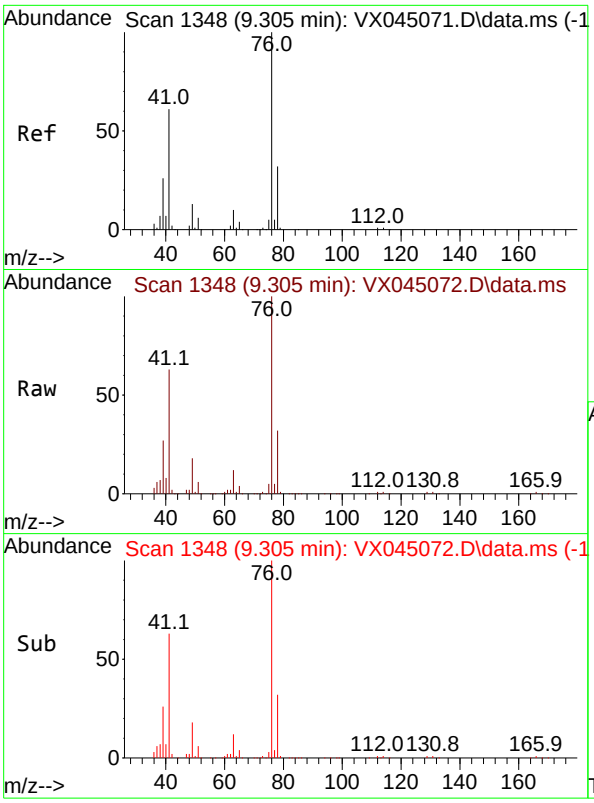
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

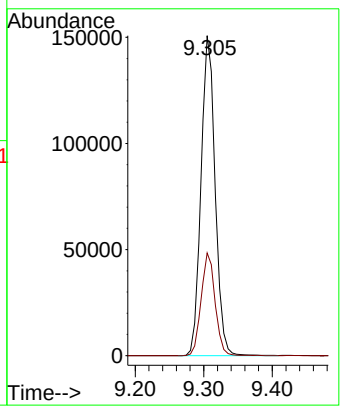
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 21626

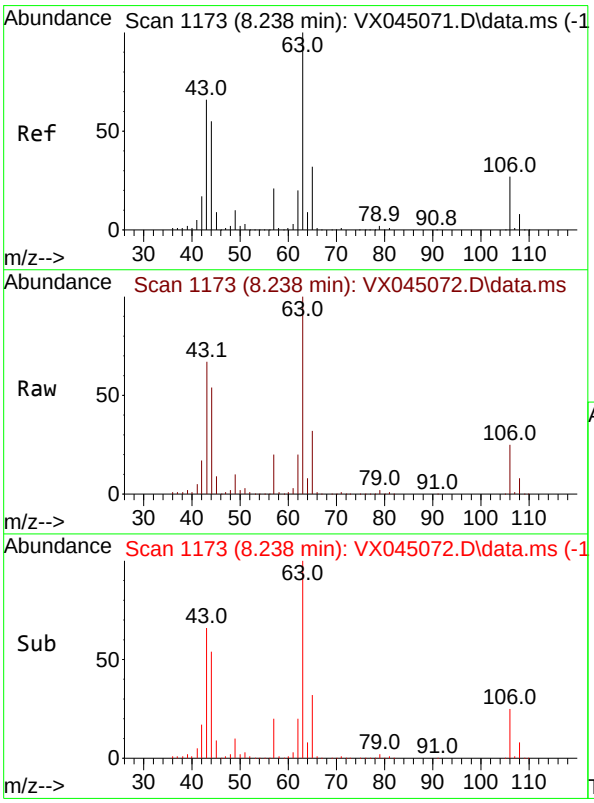
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

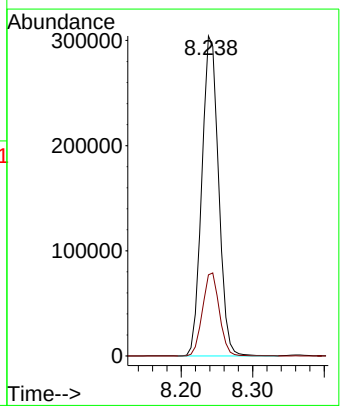
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

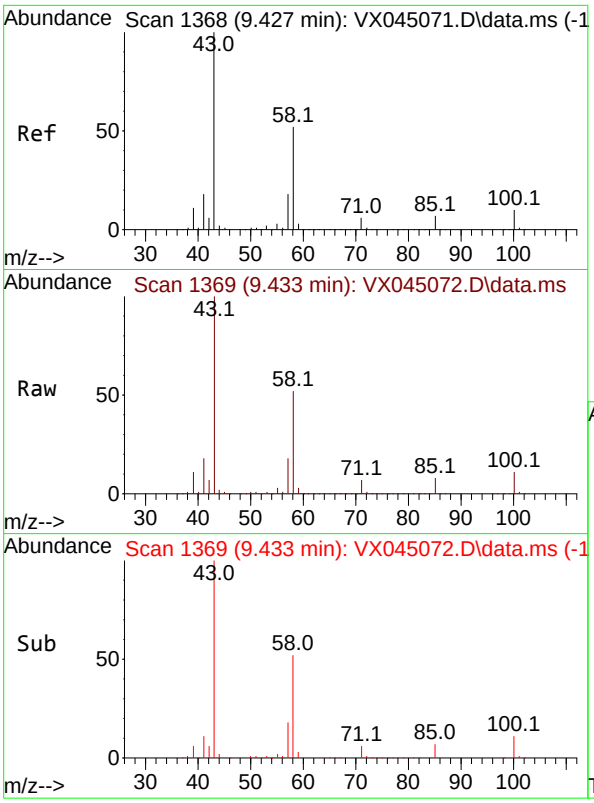


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3





#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

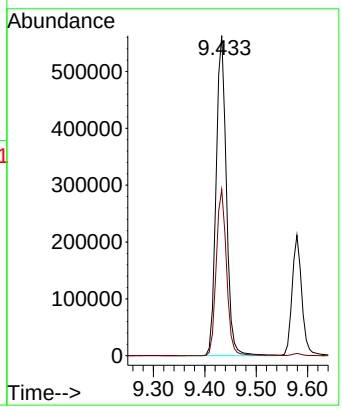
Tgt Ion: 43 Resp: 77949

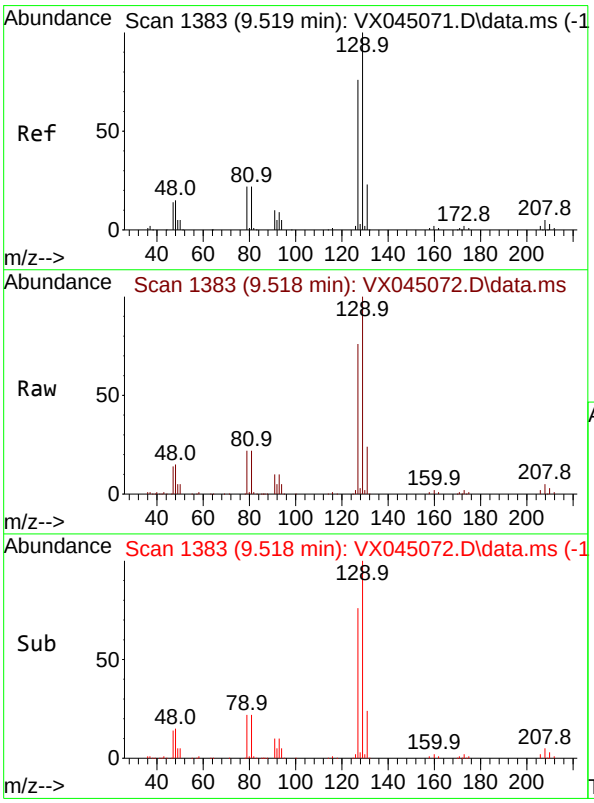
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

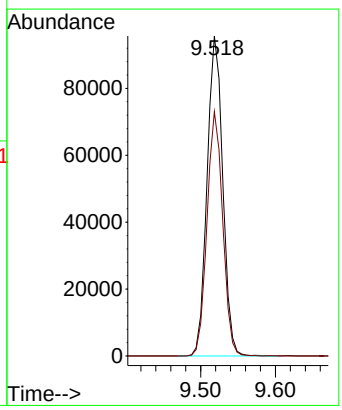


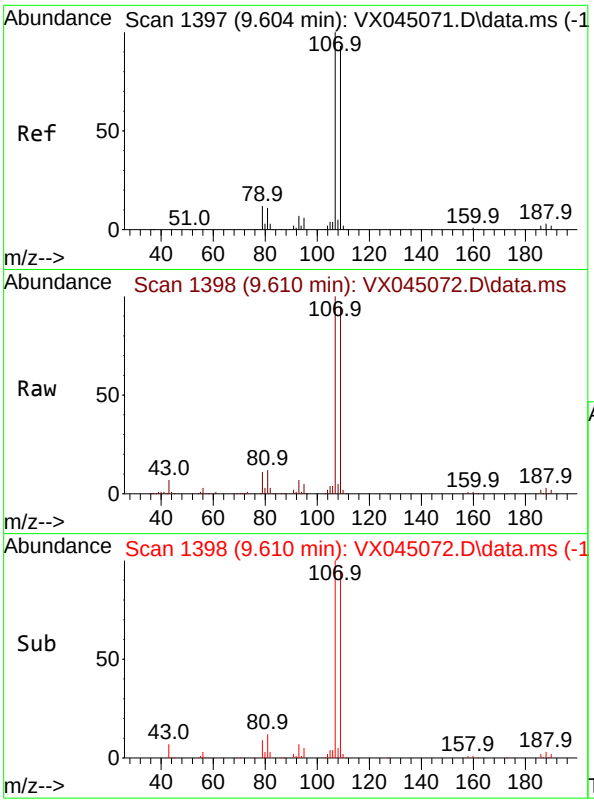


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

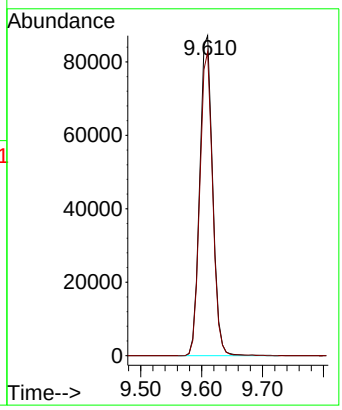




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

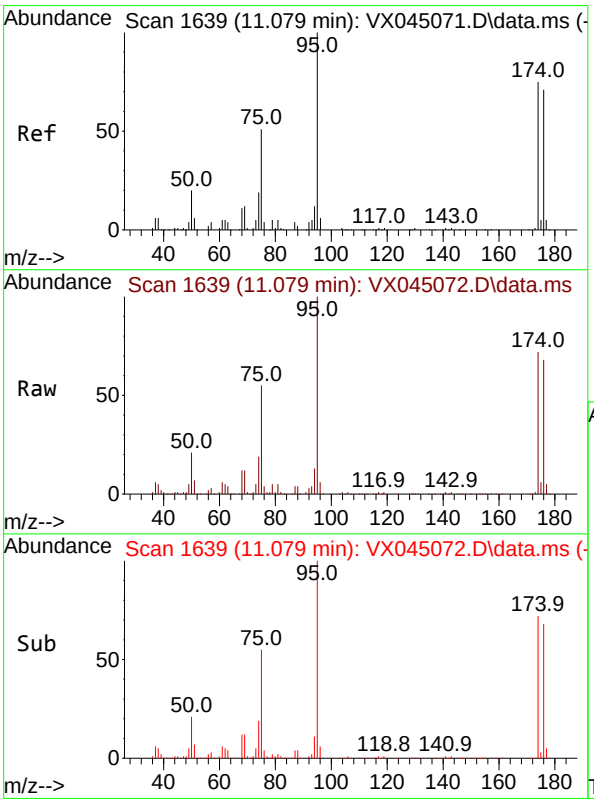
Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

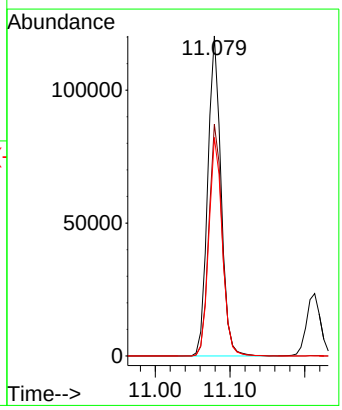
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

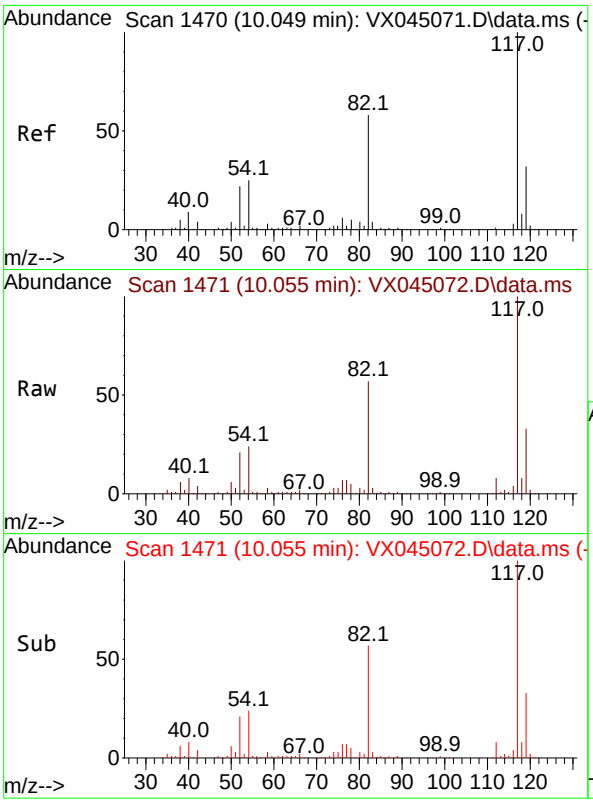


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4

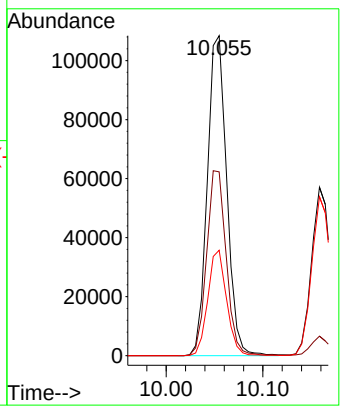




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 15117

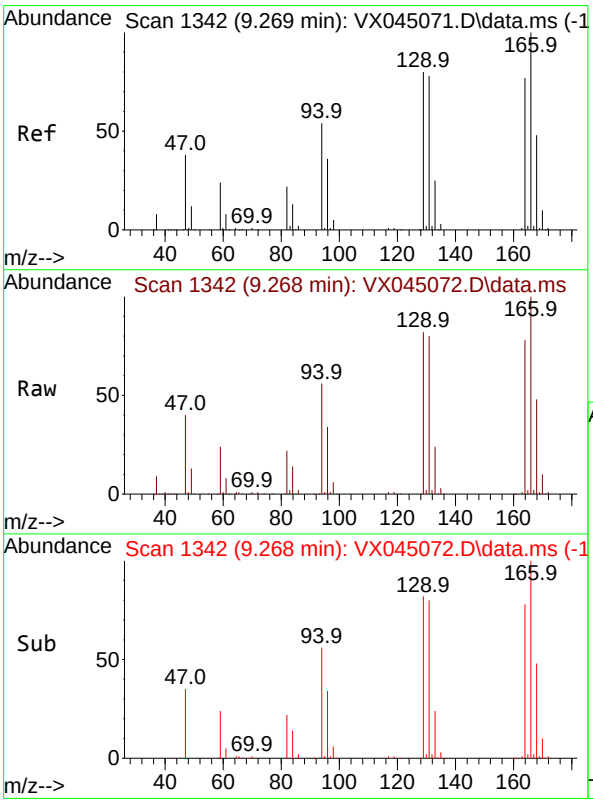
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

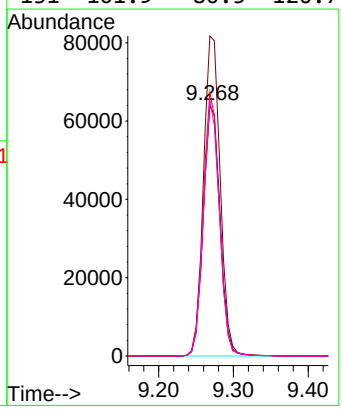
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

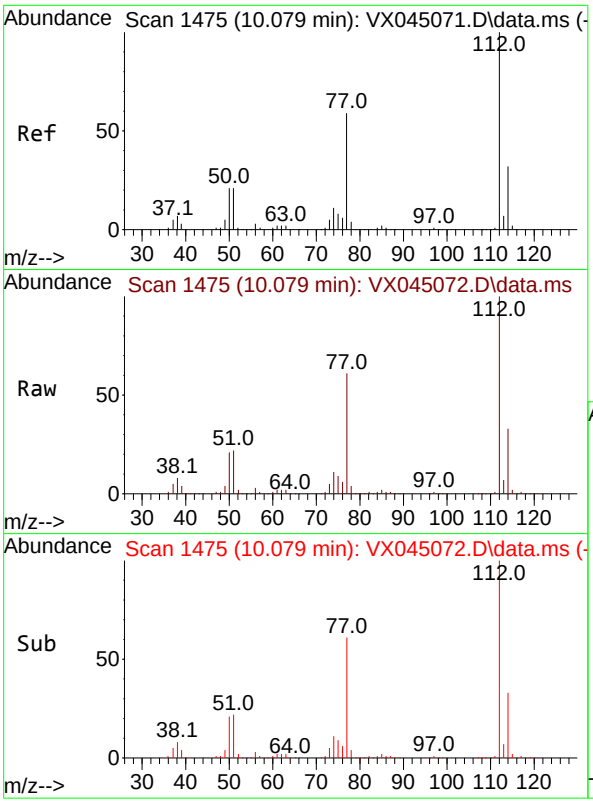


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7

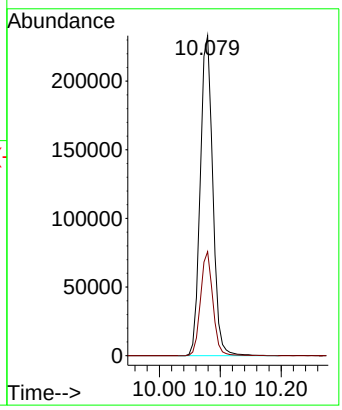




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

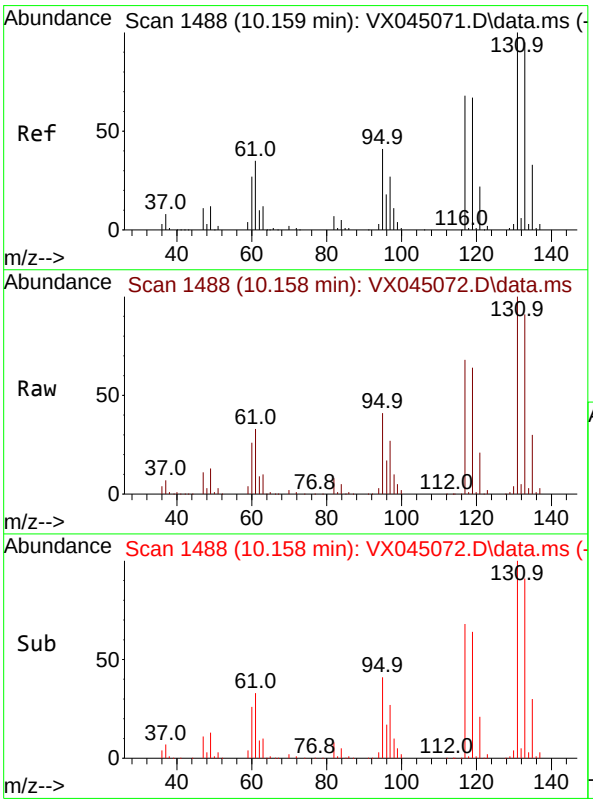
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

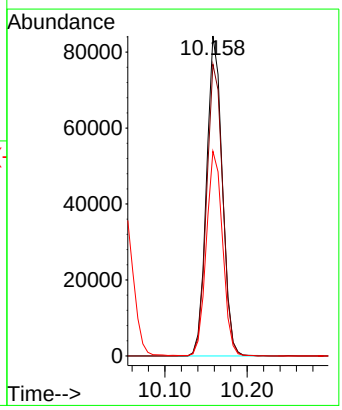
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

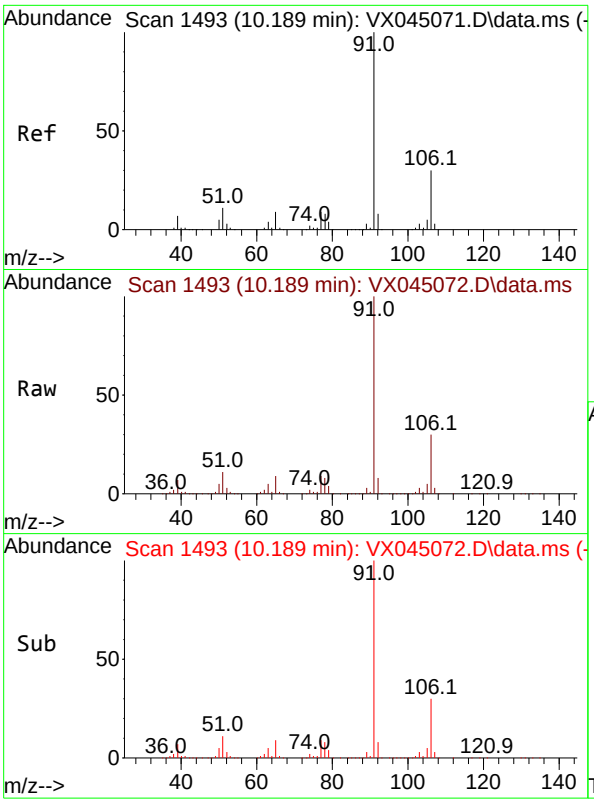


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7

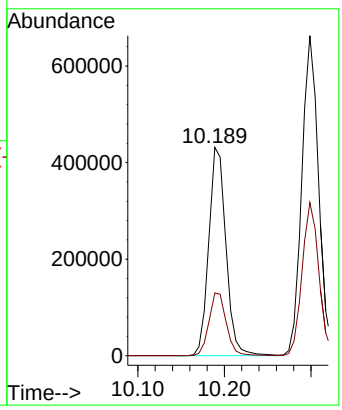




#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 59625

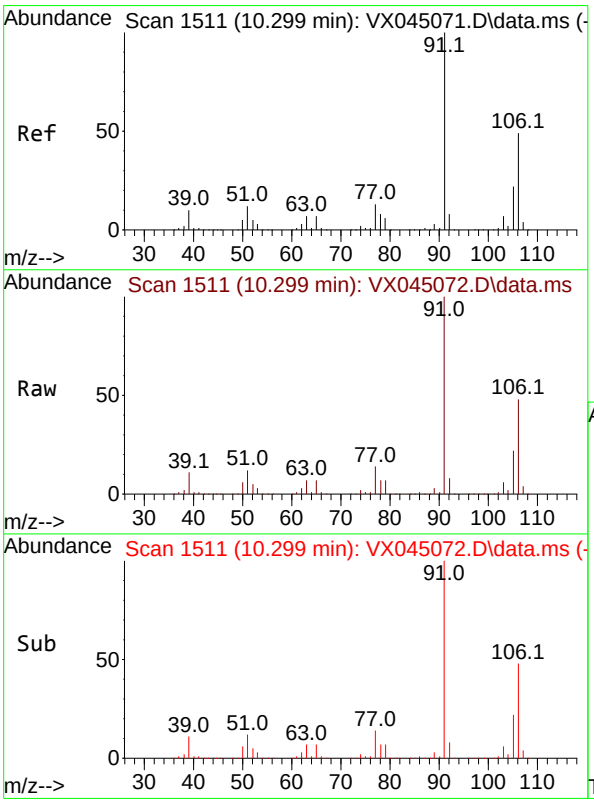
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

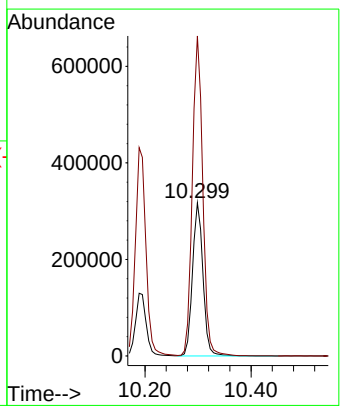
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

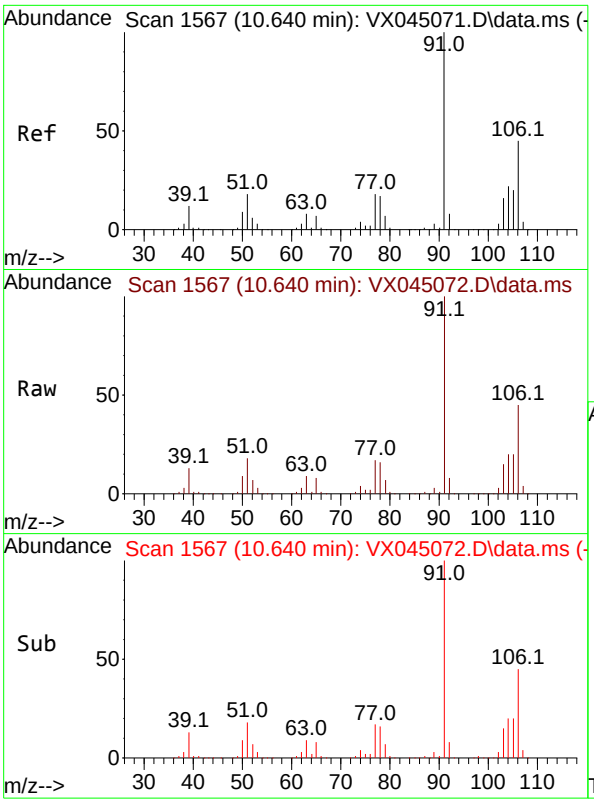


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

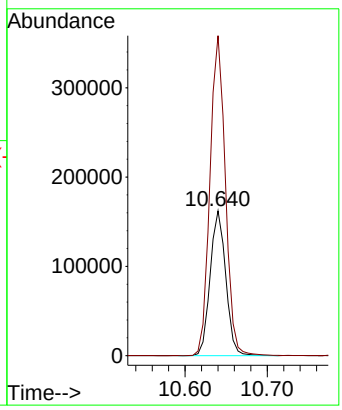




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

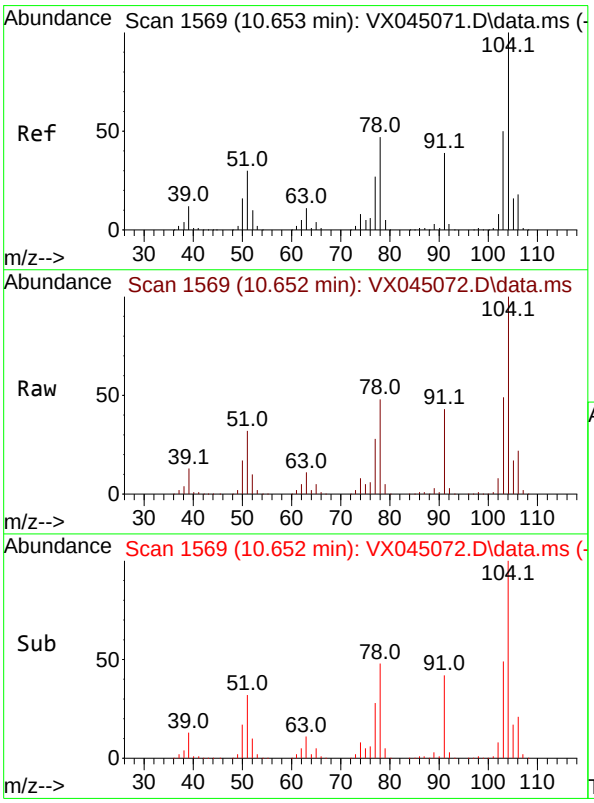
Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

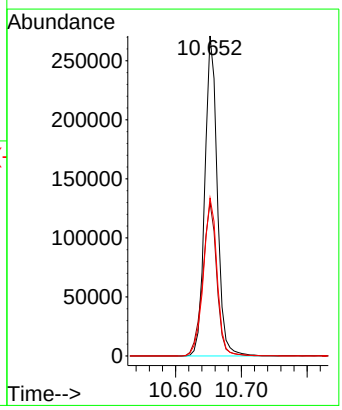
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

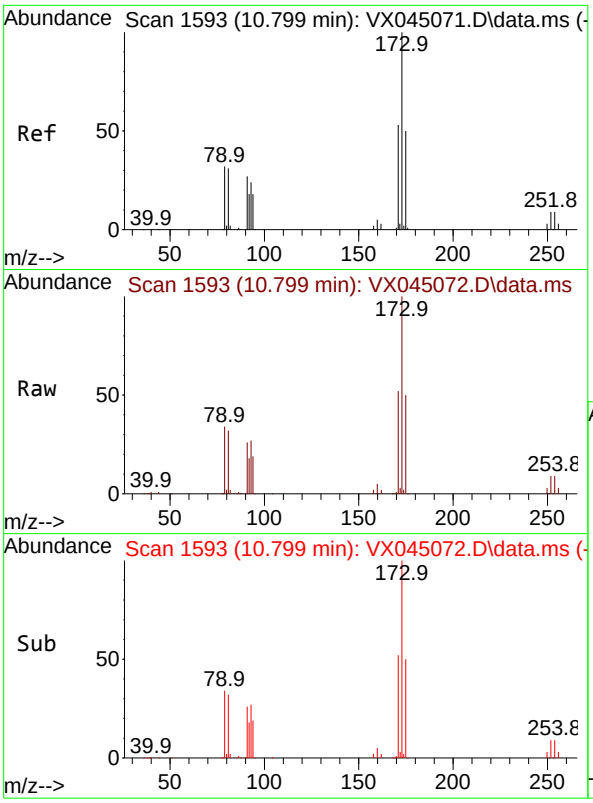


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8

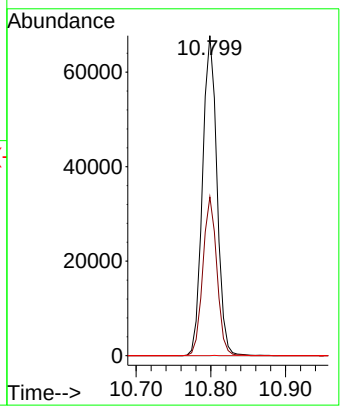




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

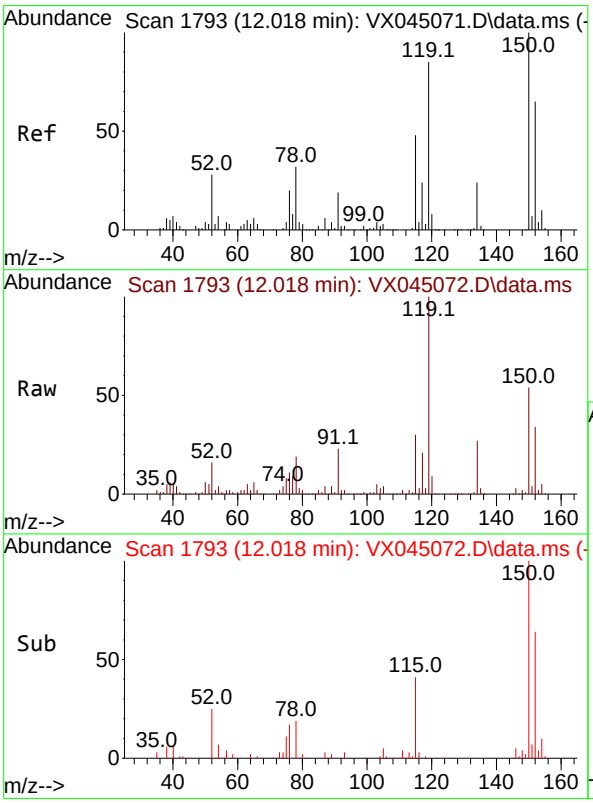
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

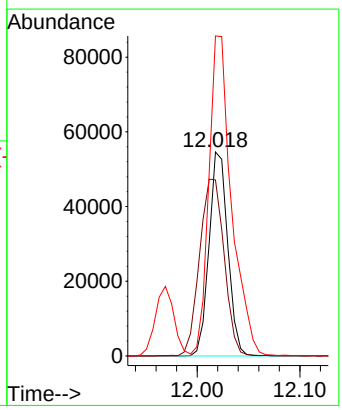
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

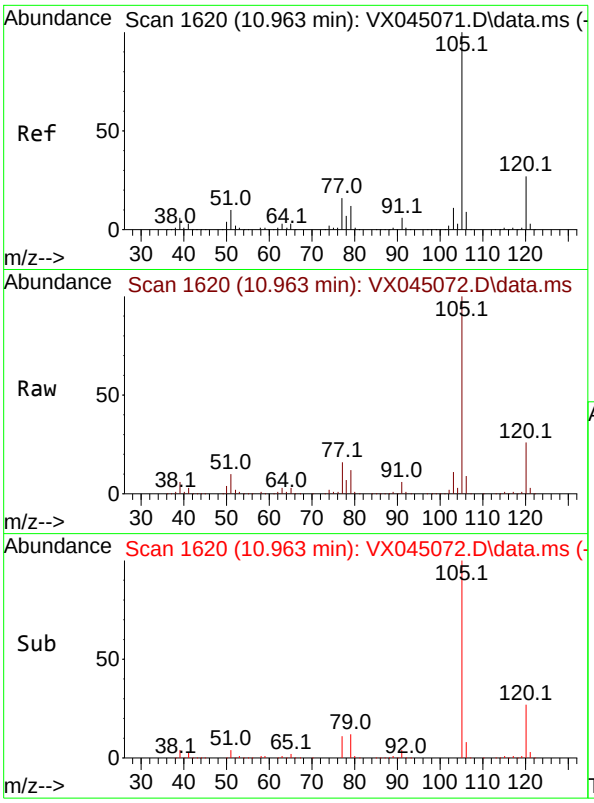


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0

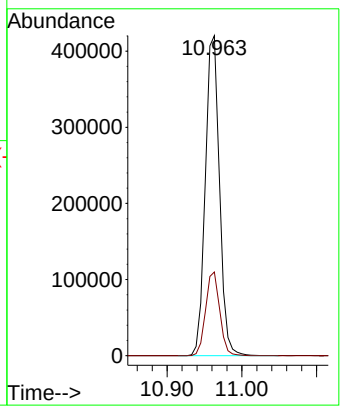




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

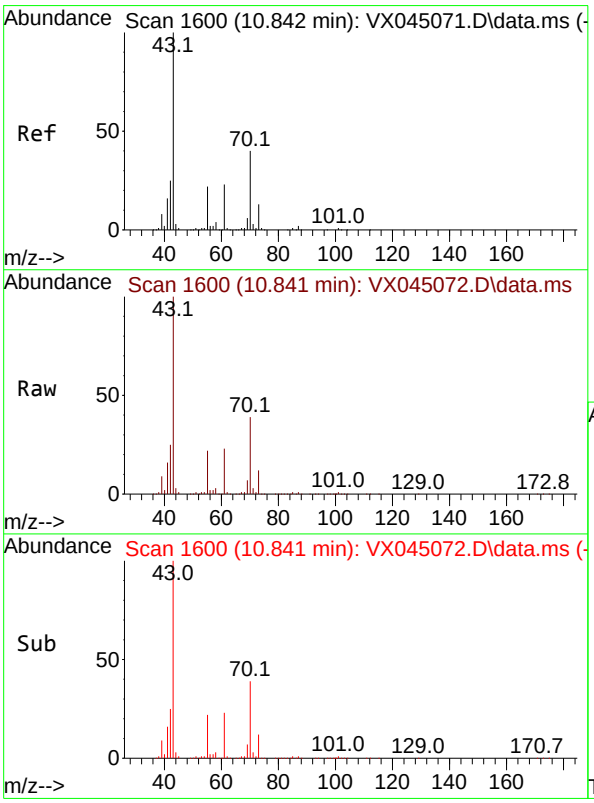
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

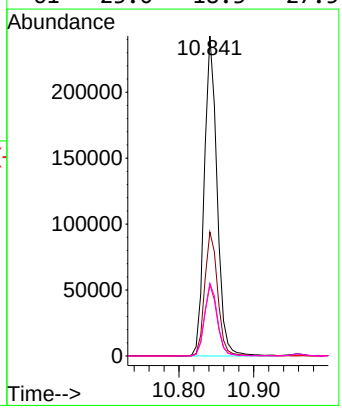
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

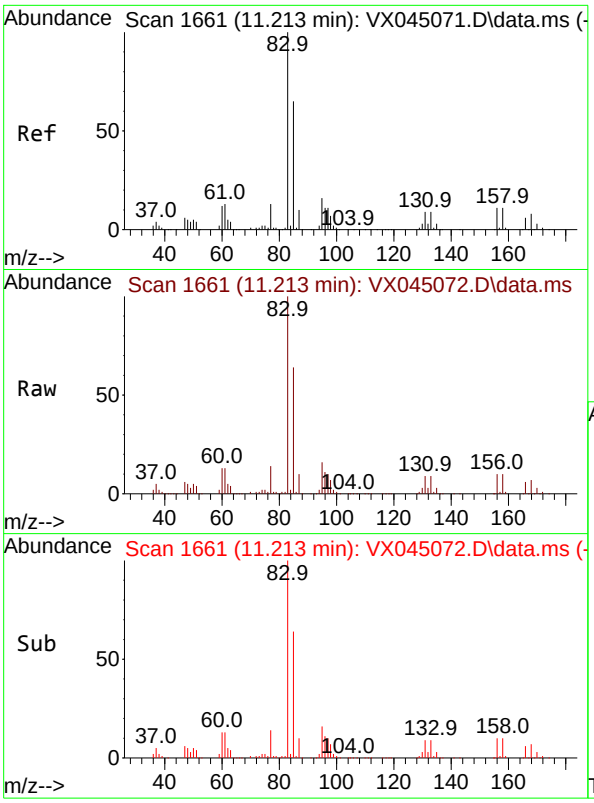


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

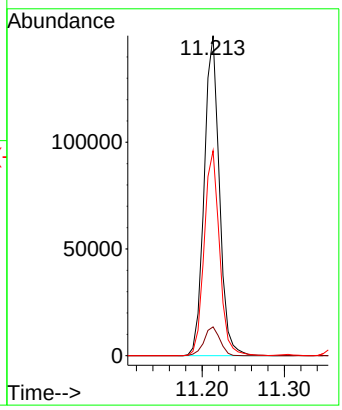




#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19221

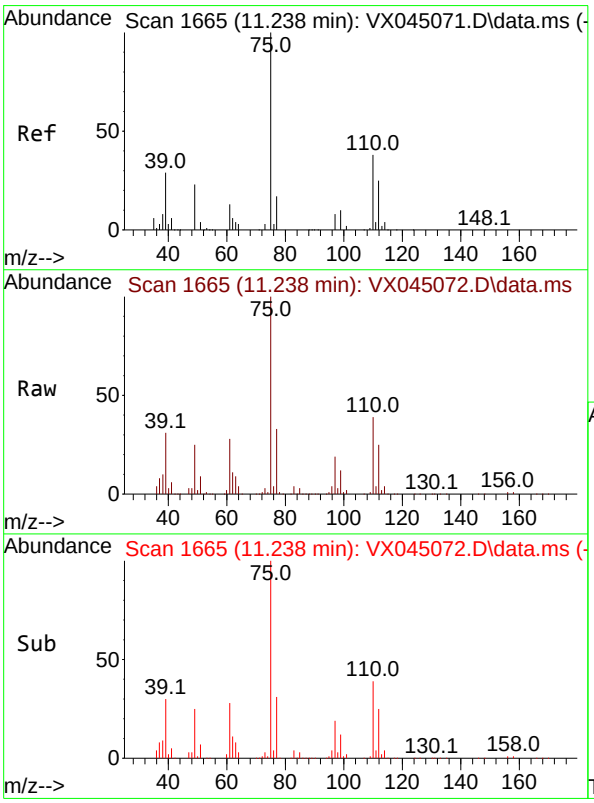
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

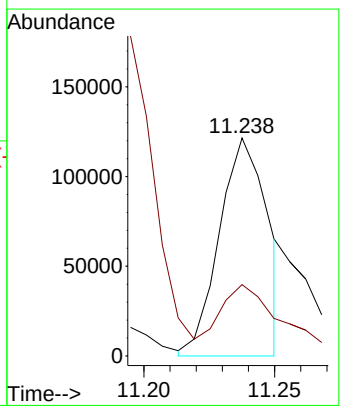
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

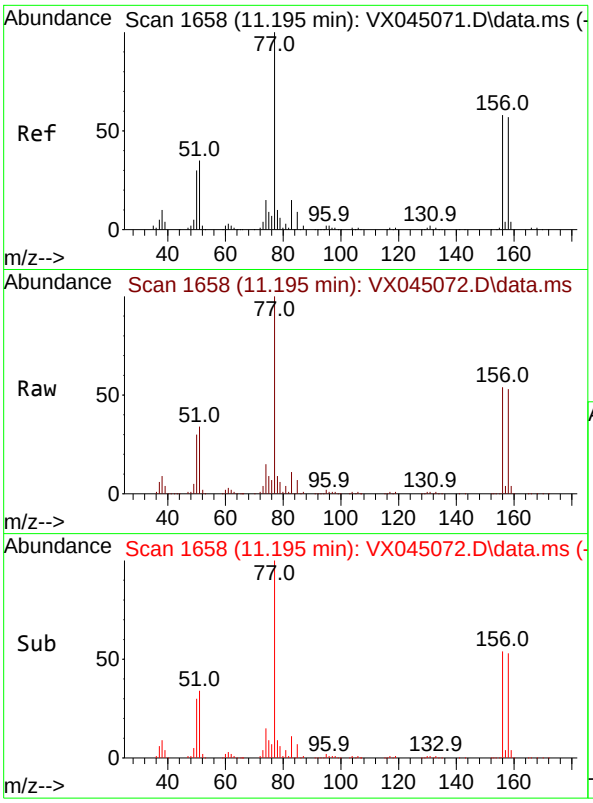


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 156259

Ion	Ratio	Lower	Upper
75	100		
77	42.7	20.7	62.1

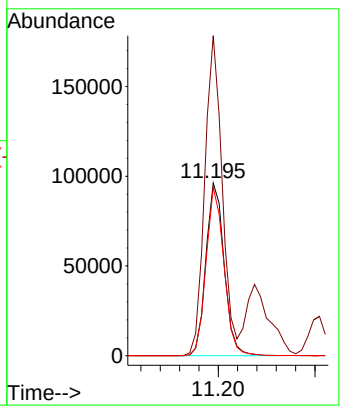




#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:156 Resp: 12570(

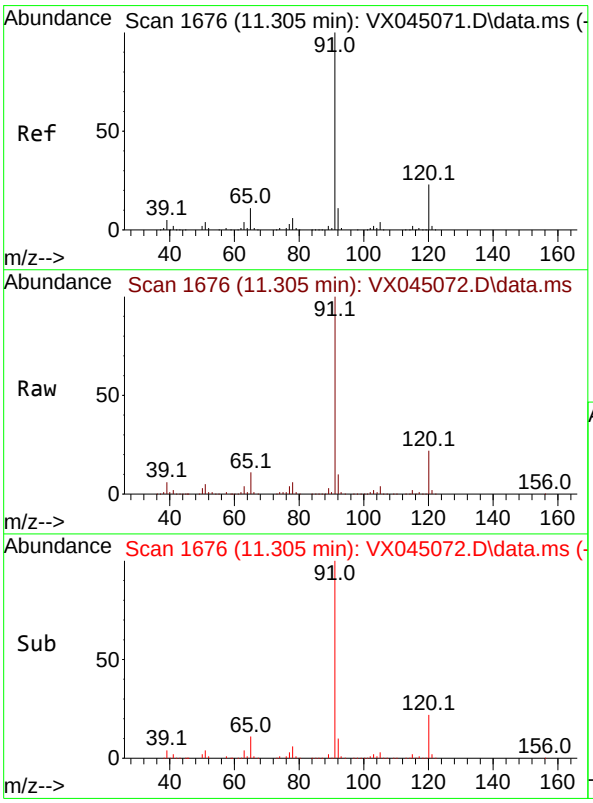
Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

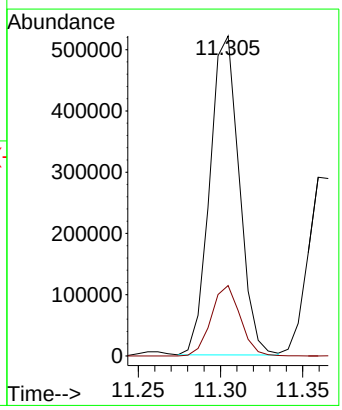
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

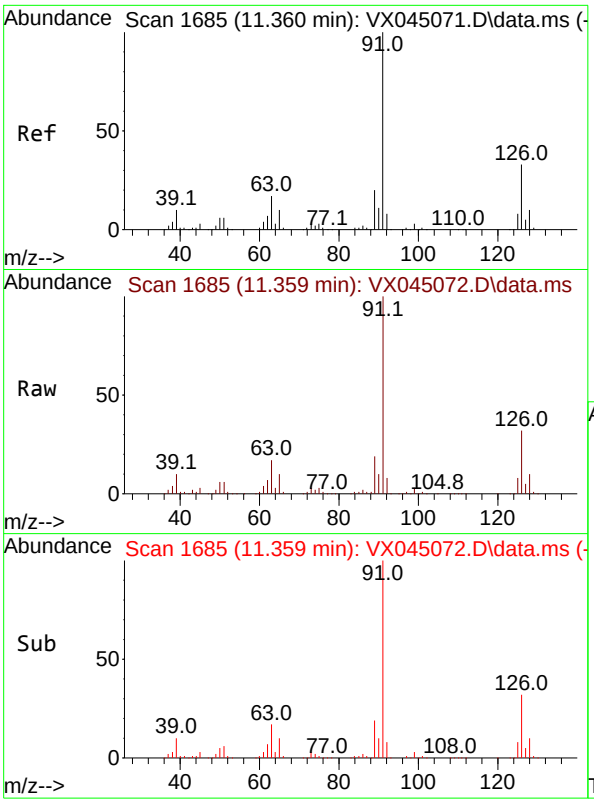


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

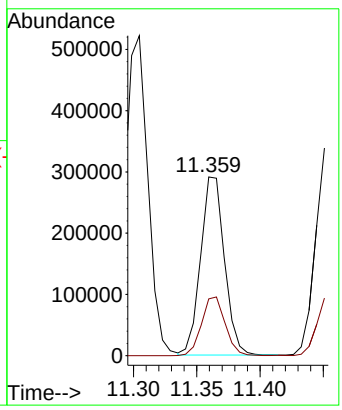
Tgt Ion: 91 Resp: 38270

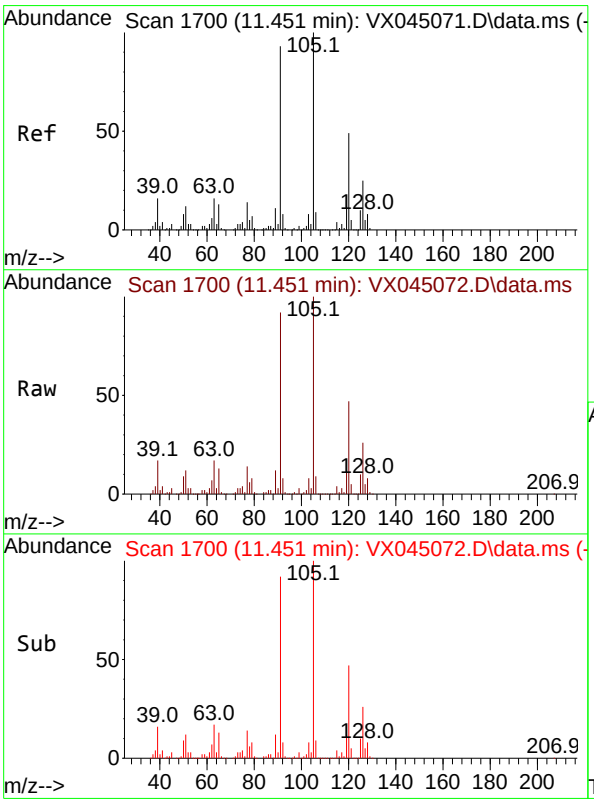
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

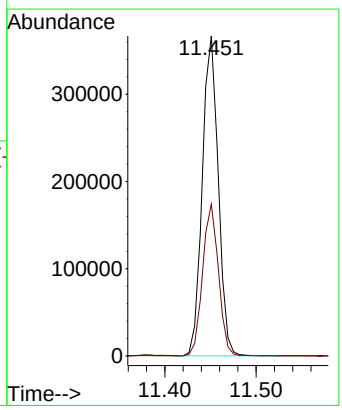


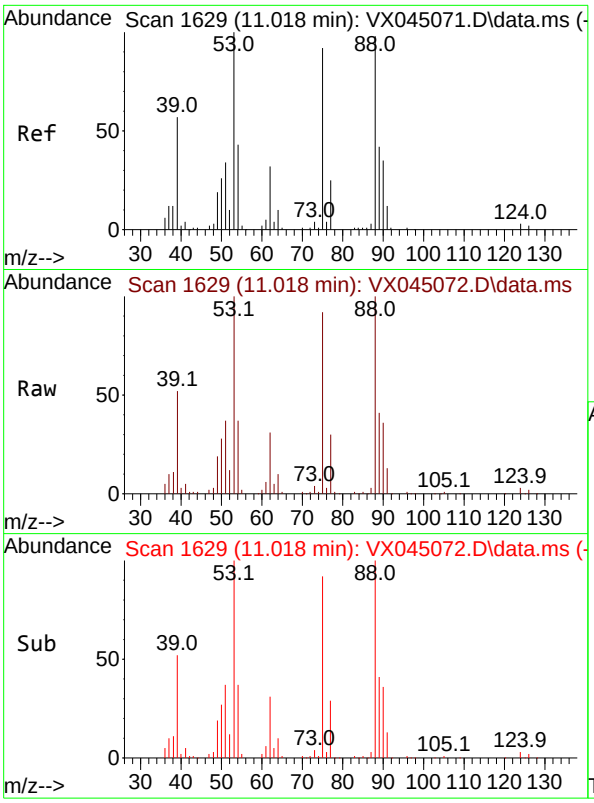


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

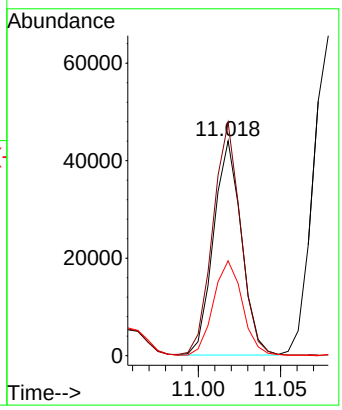




#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 5197

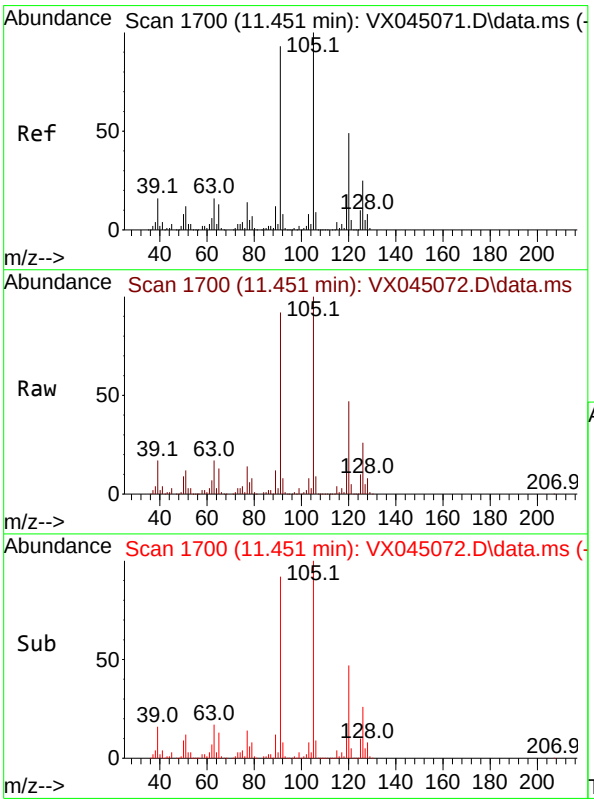
Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

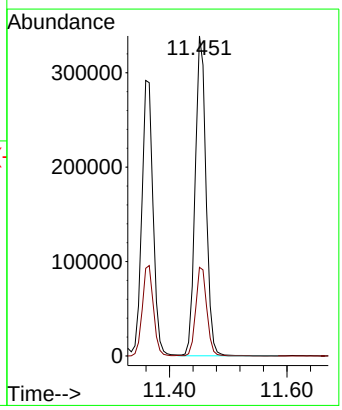
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

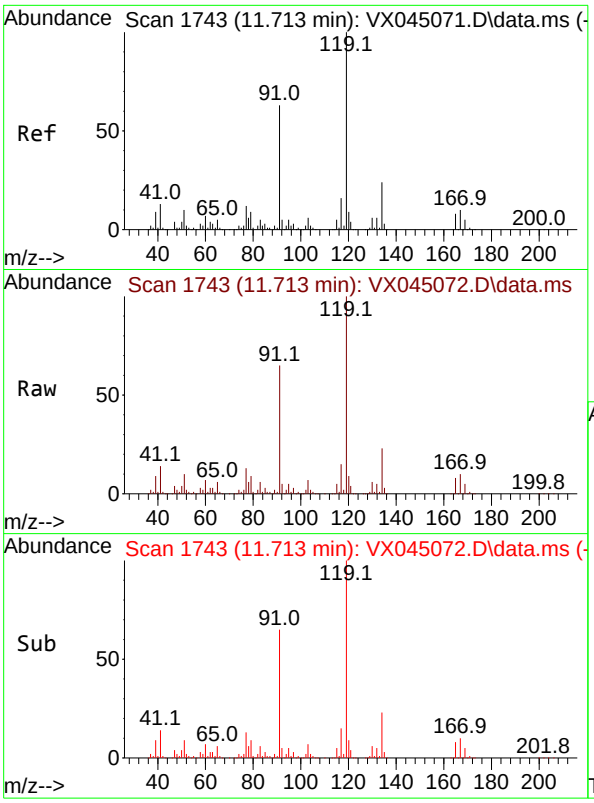


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

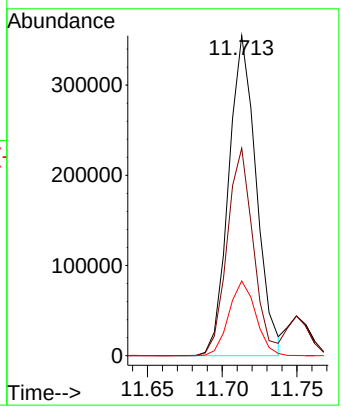




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

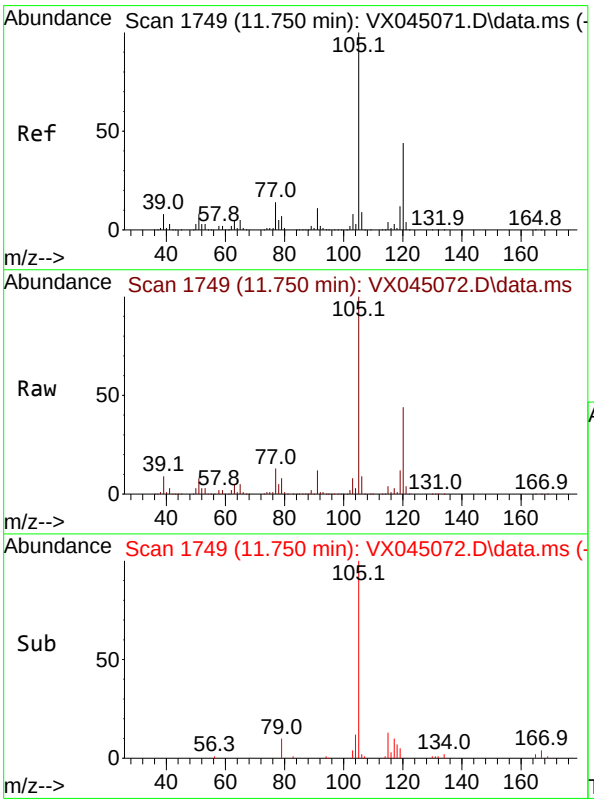
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

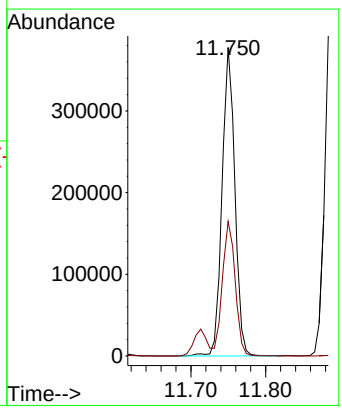
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

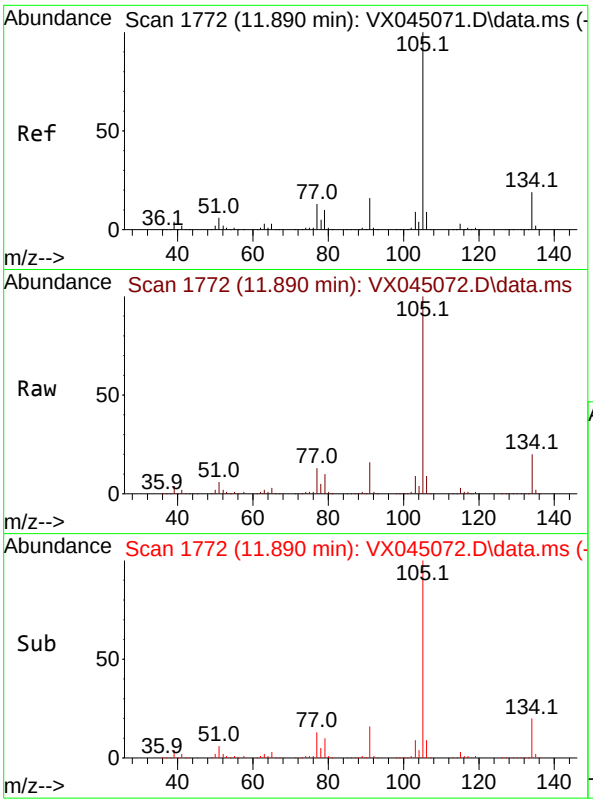


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

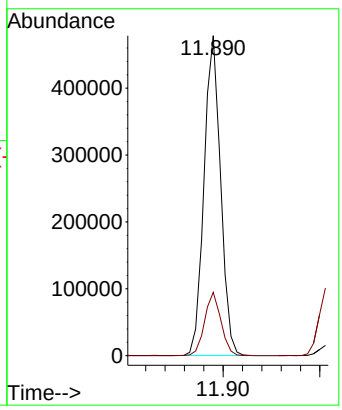
Tgt Ion:105 Resp: 57000

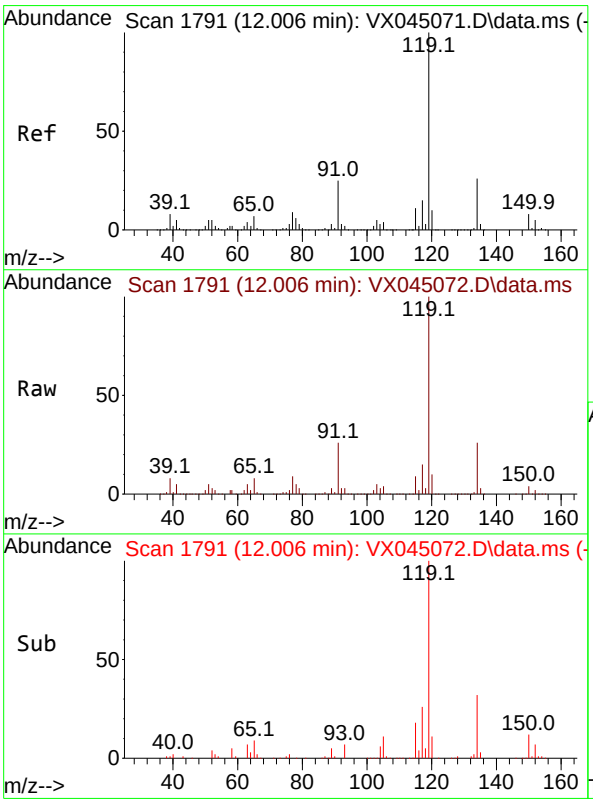
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

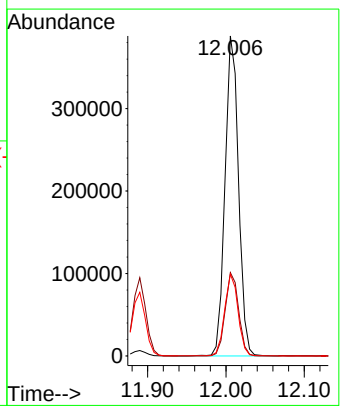


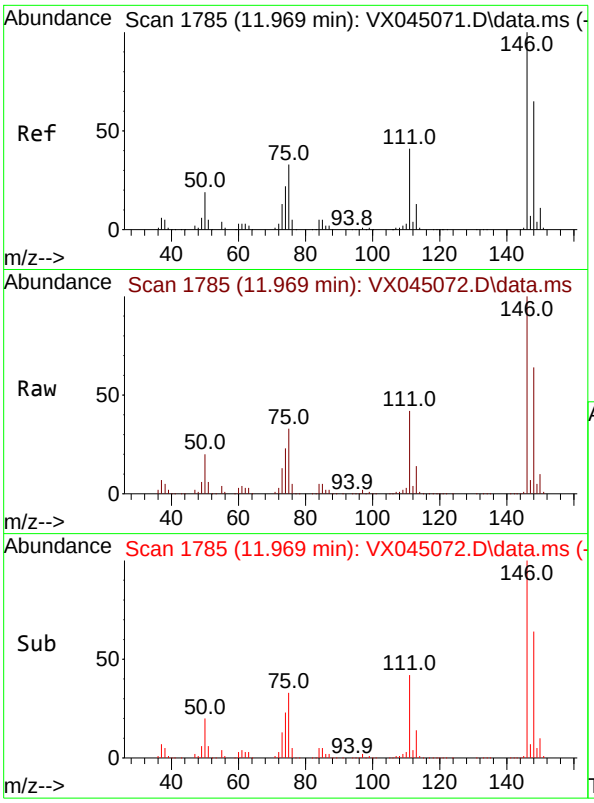


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0

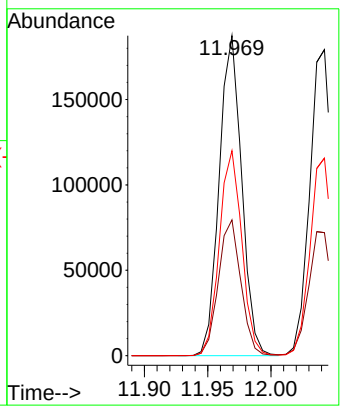




#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23144

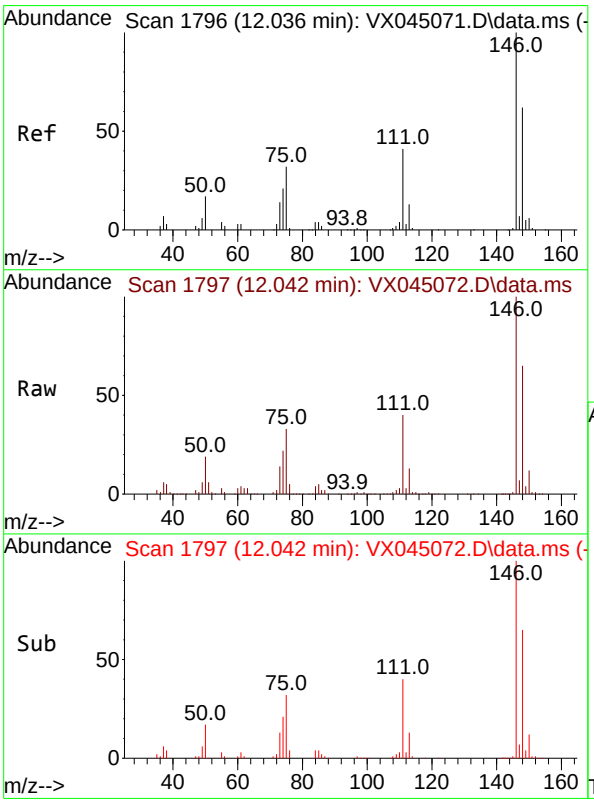
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

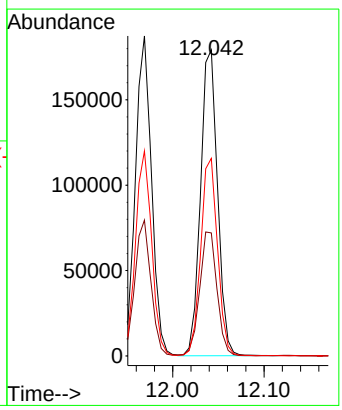
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

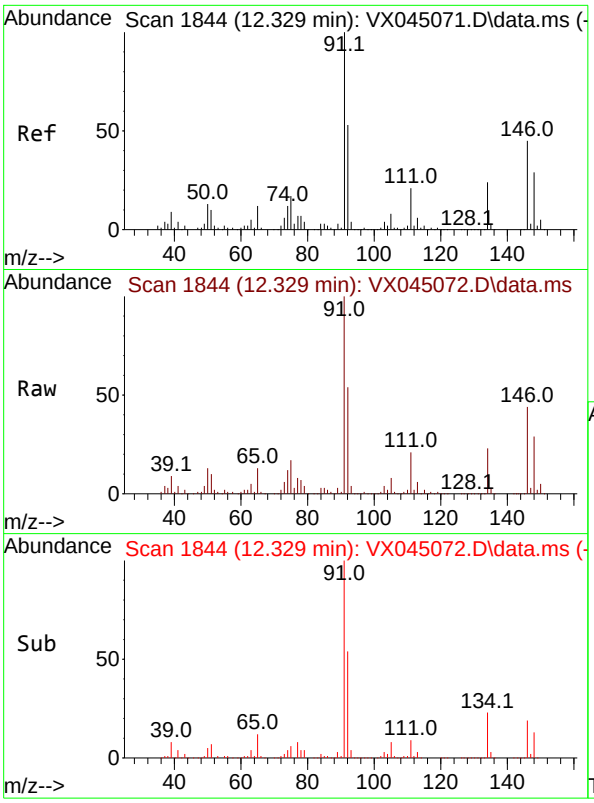


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9

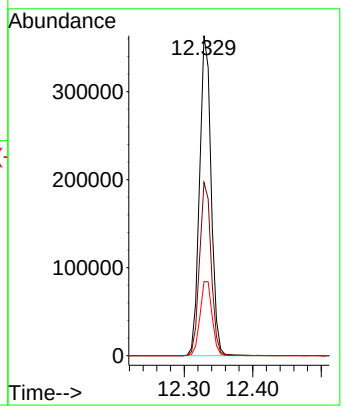




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

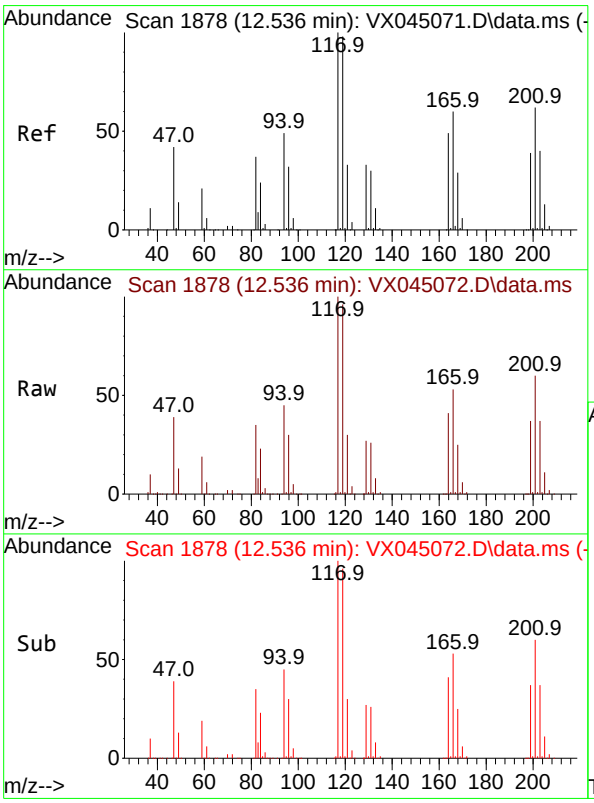
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

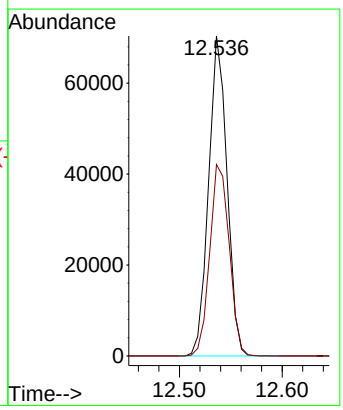
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

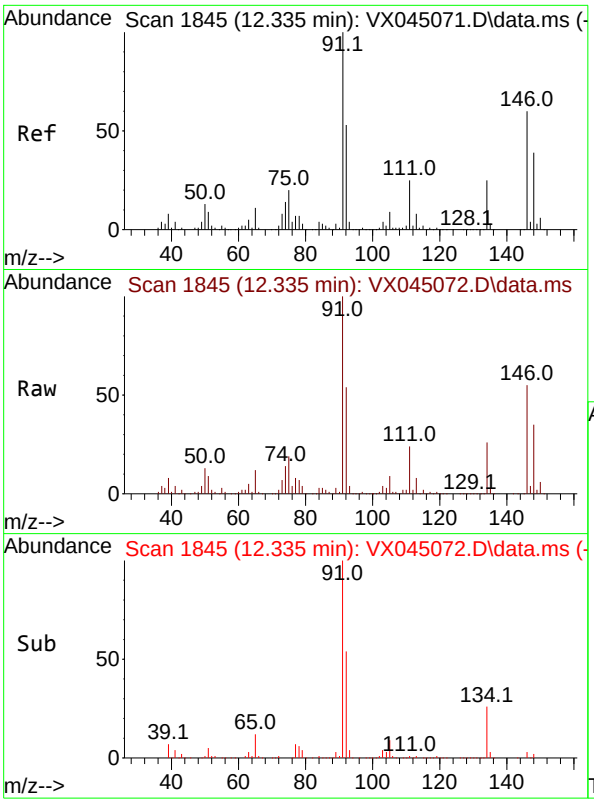


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

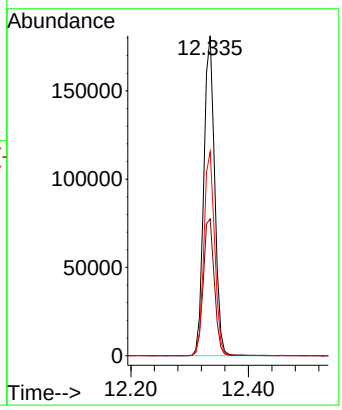




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

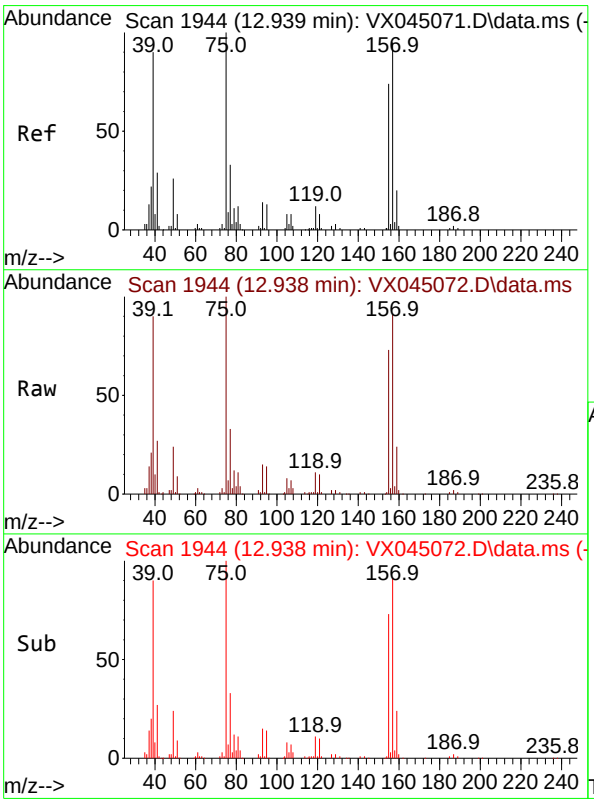
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

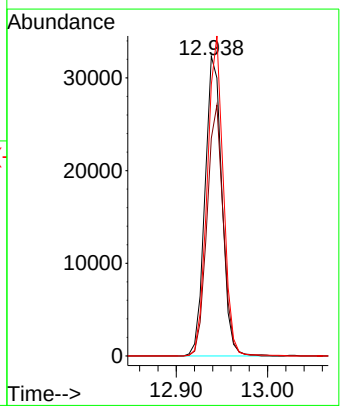
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

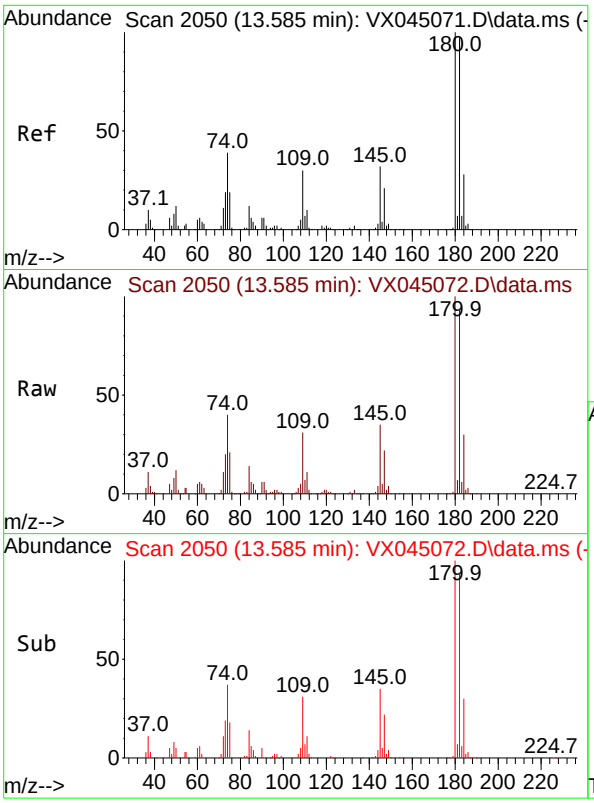


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4

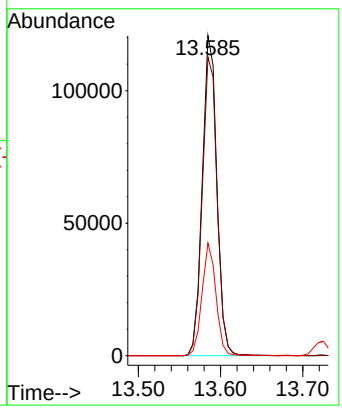




#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 14836

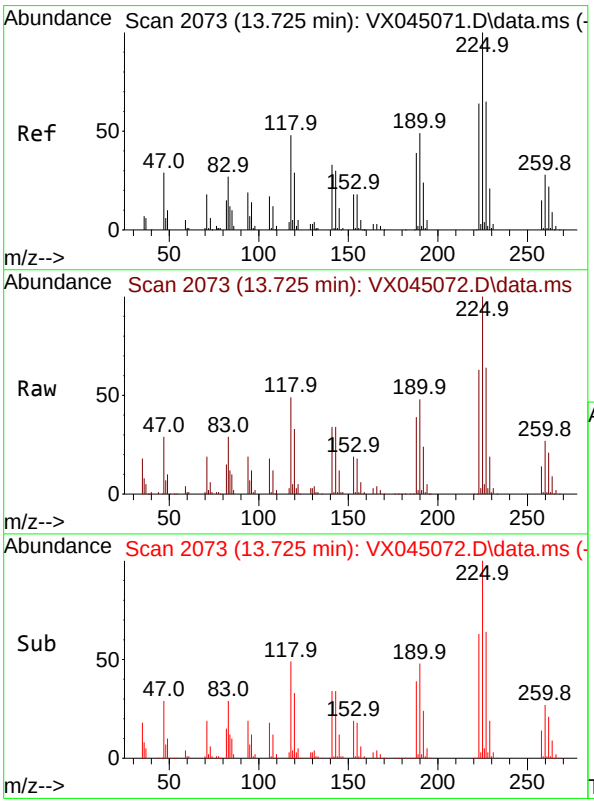
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

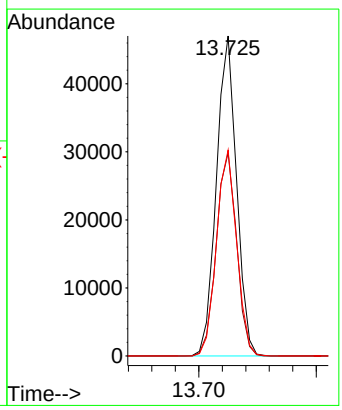
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

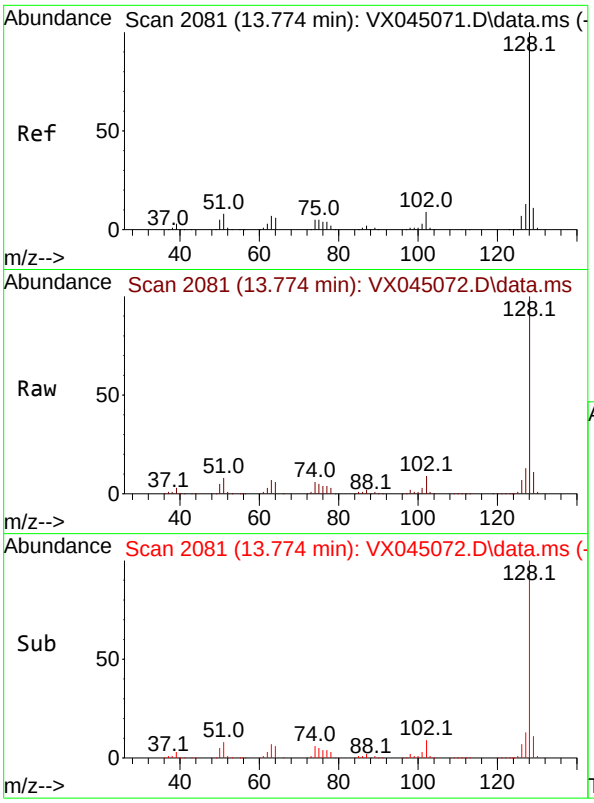


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0

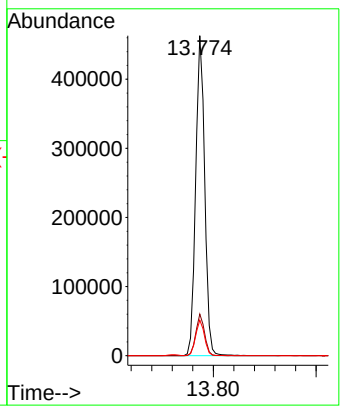




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

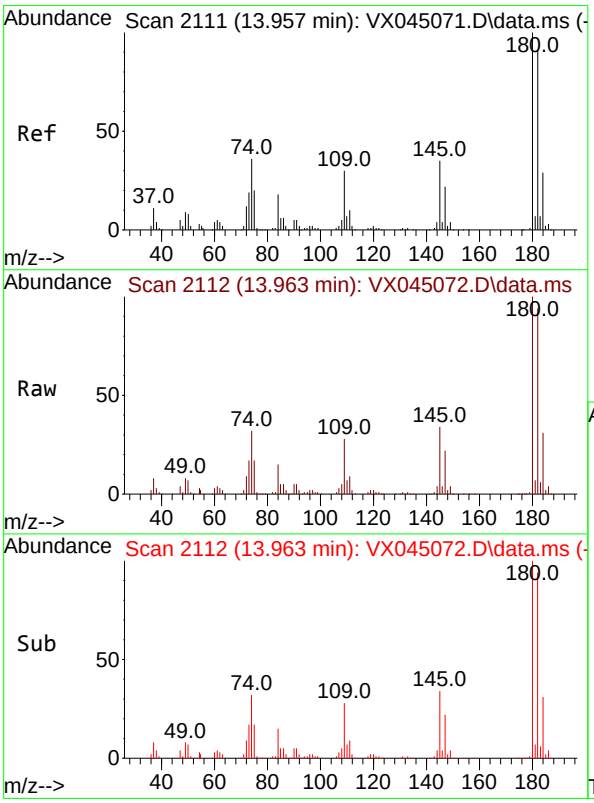
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

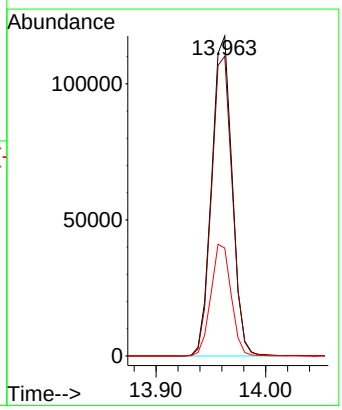
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088 ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872 ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804 ug/l		99
44) Trichloroethene	7.123	130	178483	150.181 ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334 ug/l		100
46) Dibromomethane	7.580	93	142119	157.443 ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492 ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370 ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423 ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051 ug/l		99
52) Toluene	8.714	92	448664	145.321 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373 ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117 ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046 ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631 ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019 ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492 ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276 ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074 ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906 ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845 ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191 ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655 ug/l		97
69) o-Xylene	10.640	106	302495	143.259 ug/l		99
70) Styrene	10.653	104	512379	150.979 ug/l		99
71) Bromoform	10.799	173	135388	174.808 ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719 ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960 ug/l		
77) Bromobenzene	11.195	156	180997	145.760 ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395 ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761 ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464 ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135 ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383 ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488 ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189 ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324 ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416 ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034 ug/l		99
95) Naphthalene	13.774	128	828949	168.538 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

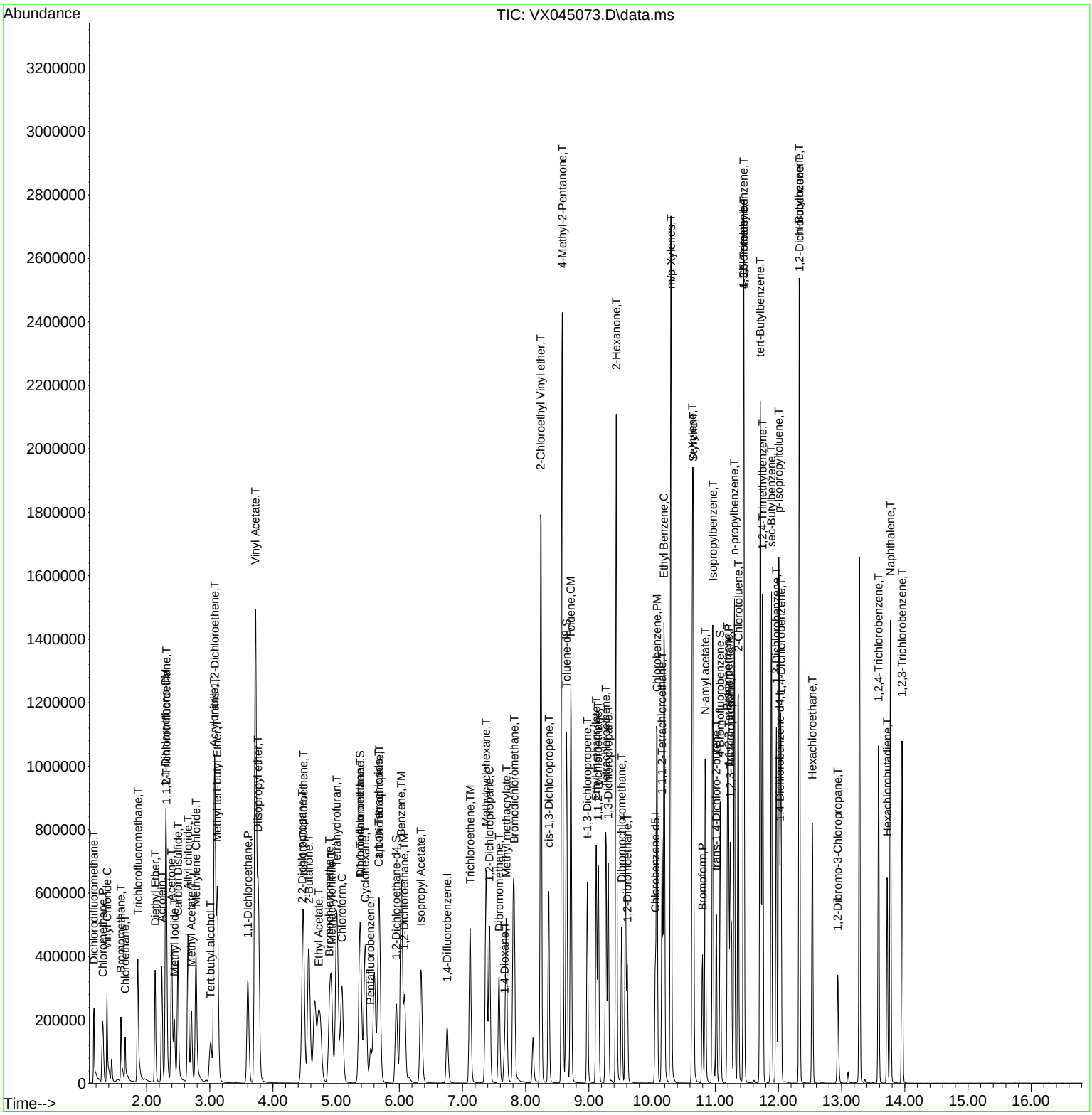
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

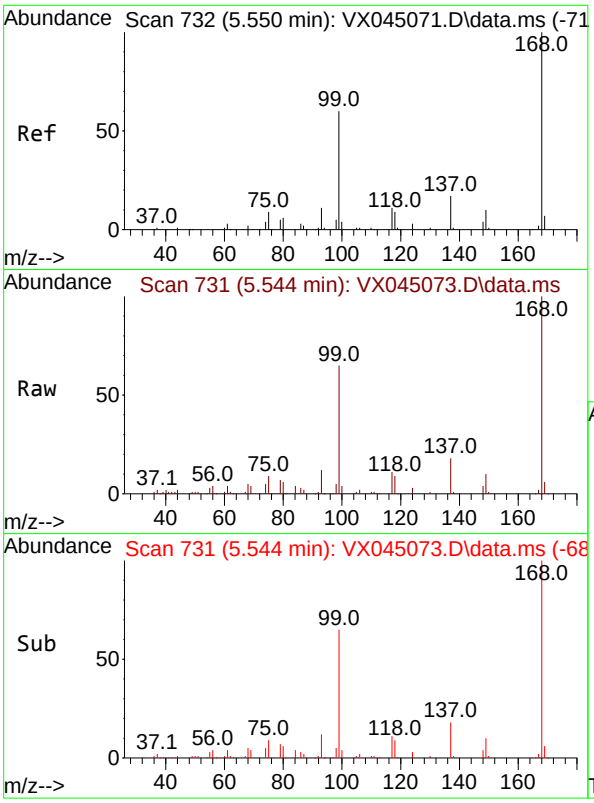
Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

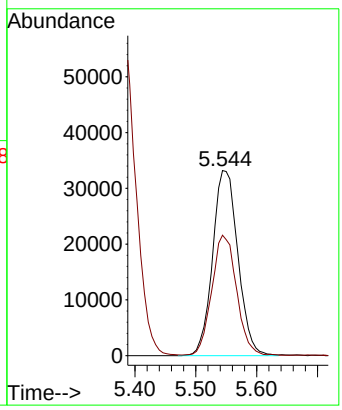




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

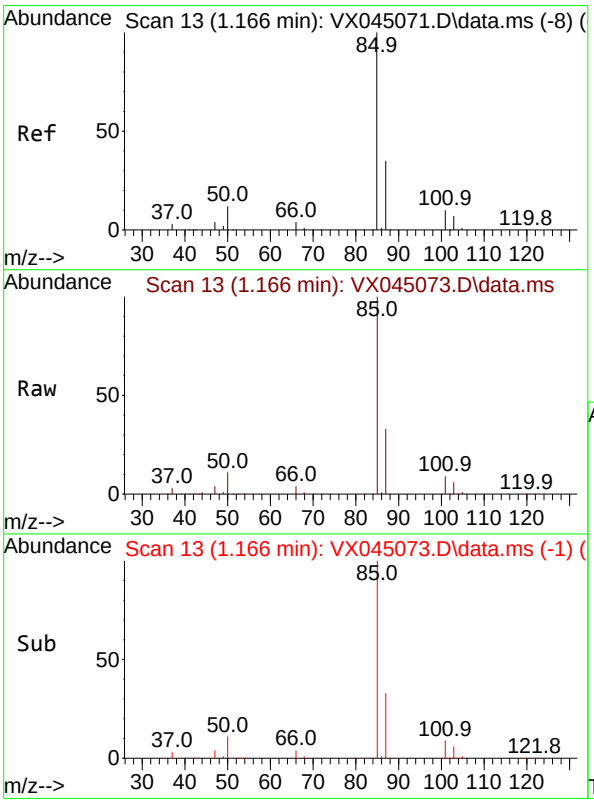
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

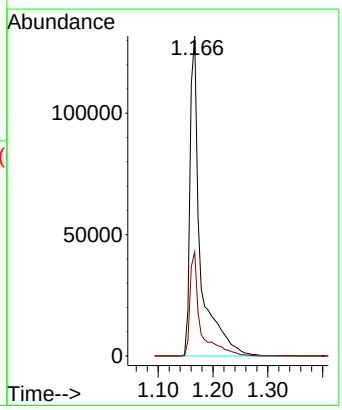
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

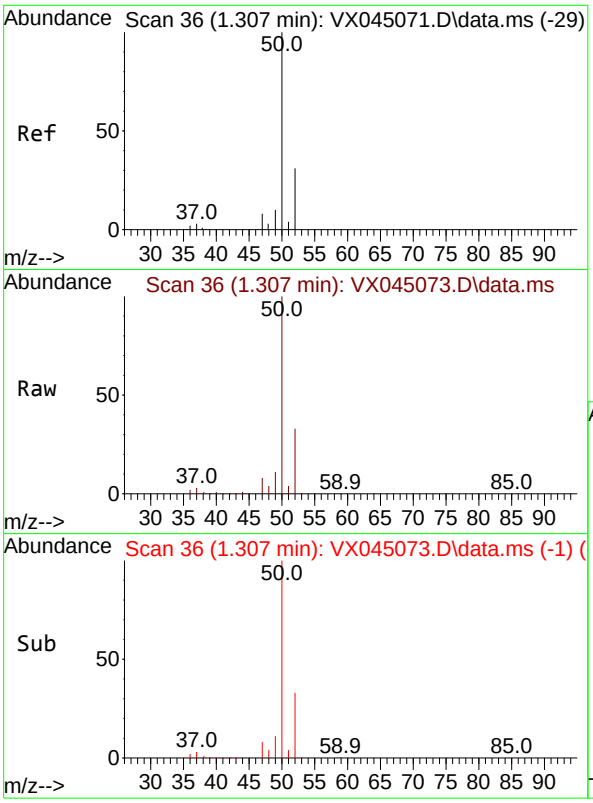


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3

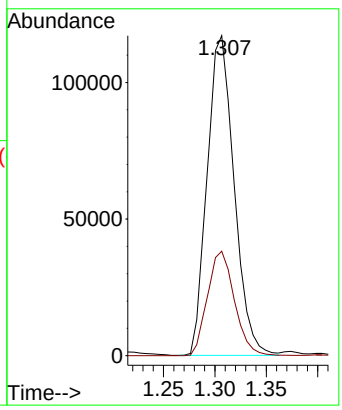




#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 50 Resp: 21370

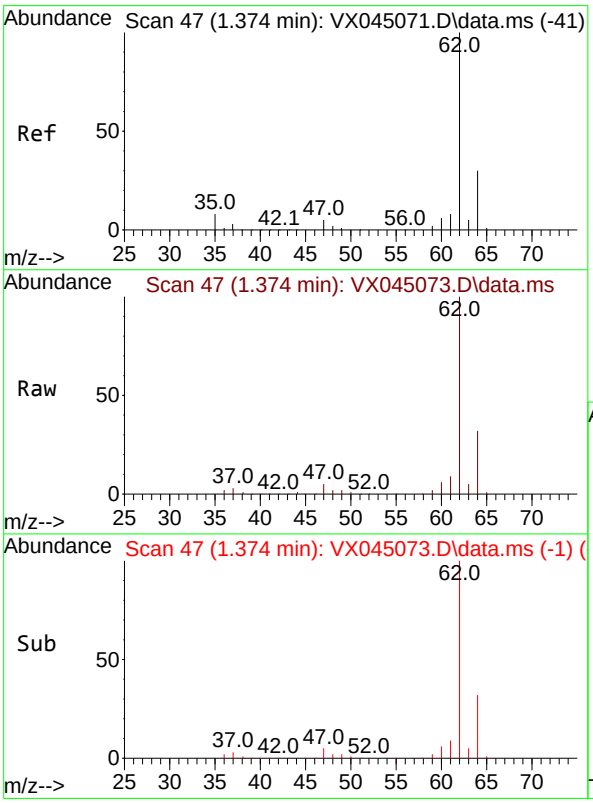
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

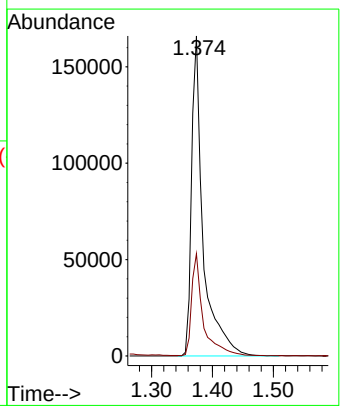
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

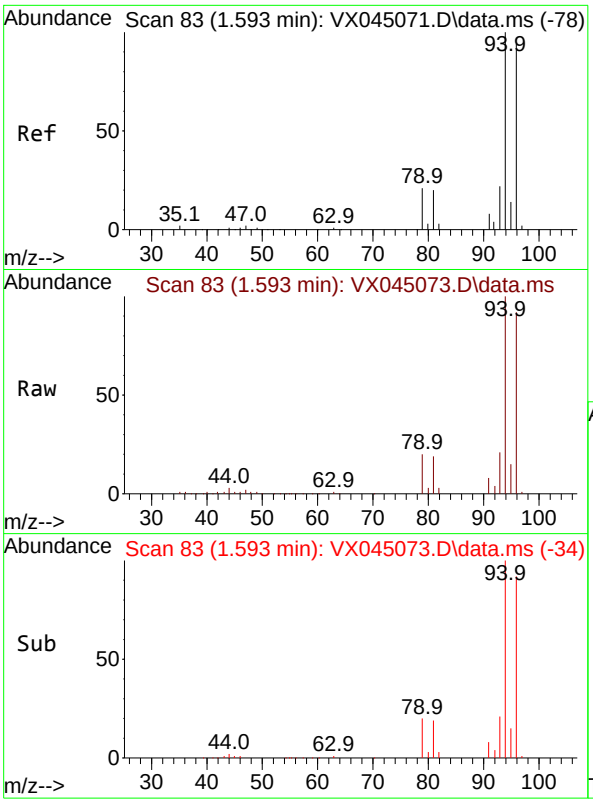


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5

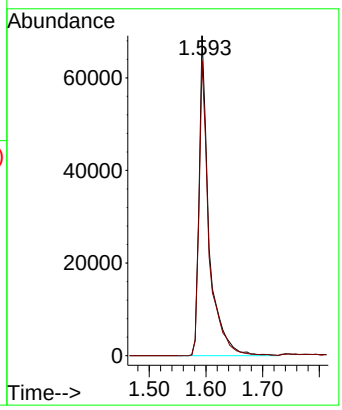




#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 94 Resp: 8354

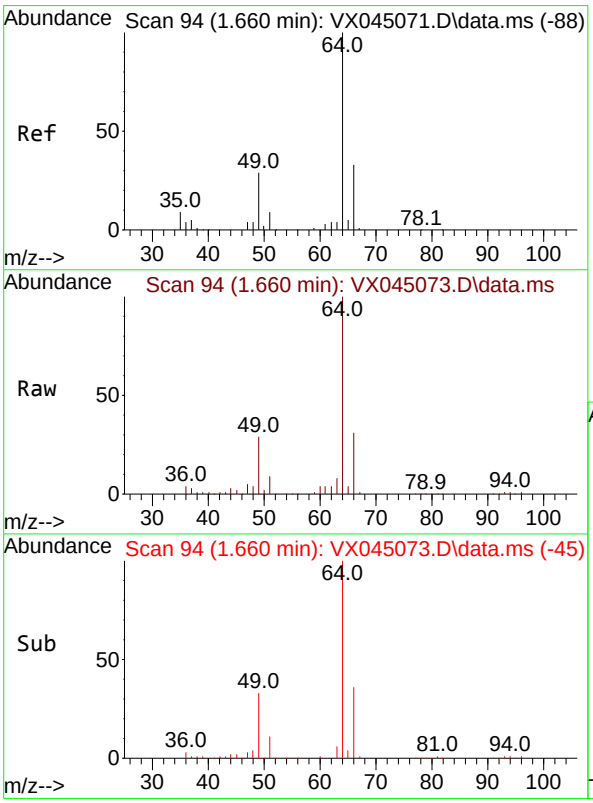
Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

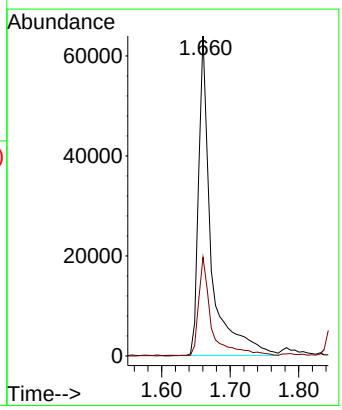
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

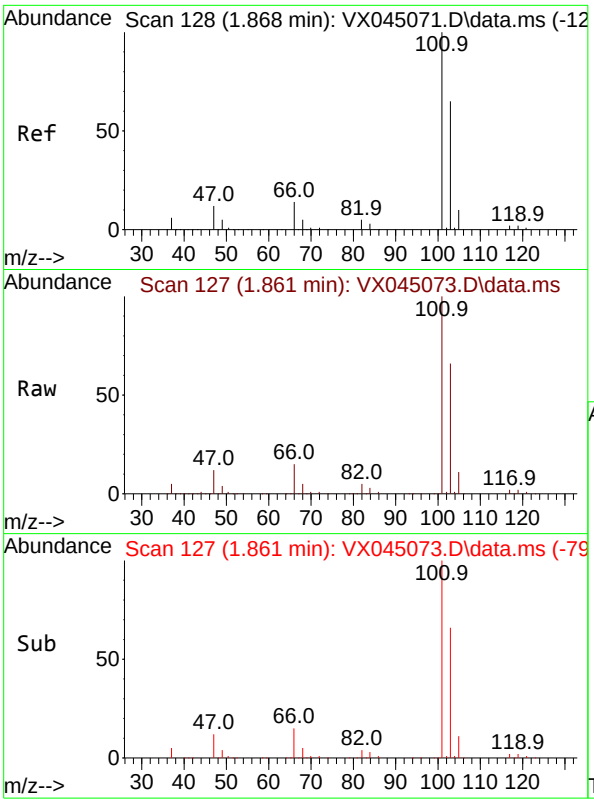


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

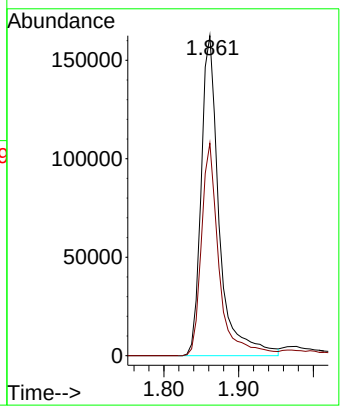




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

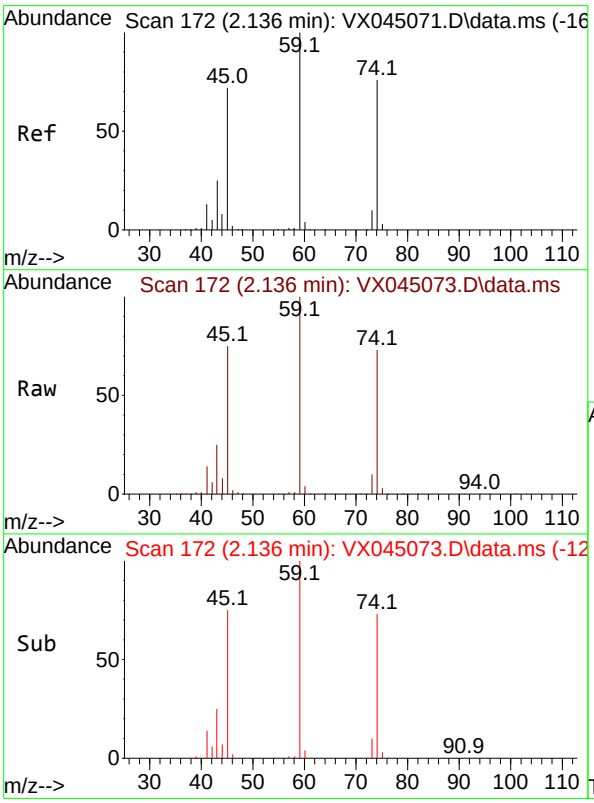
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

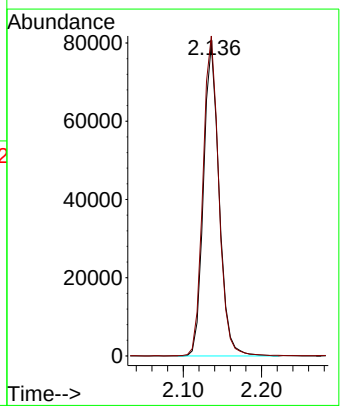
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

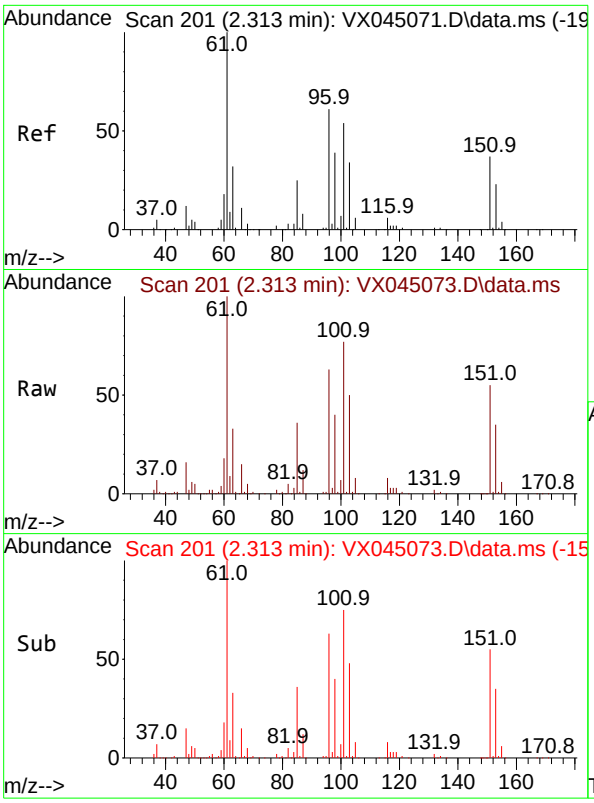


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5

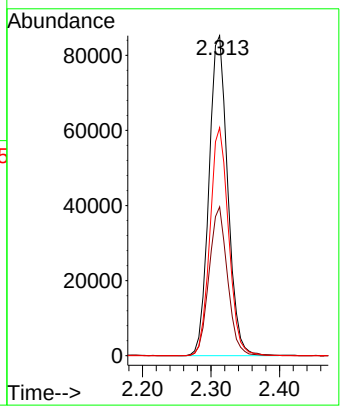




#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 16182

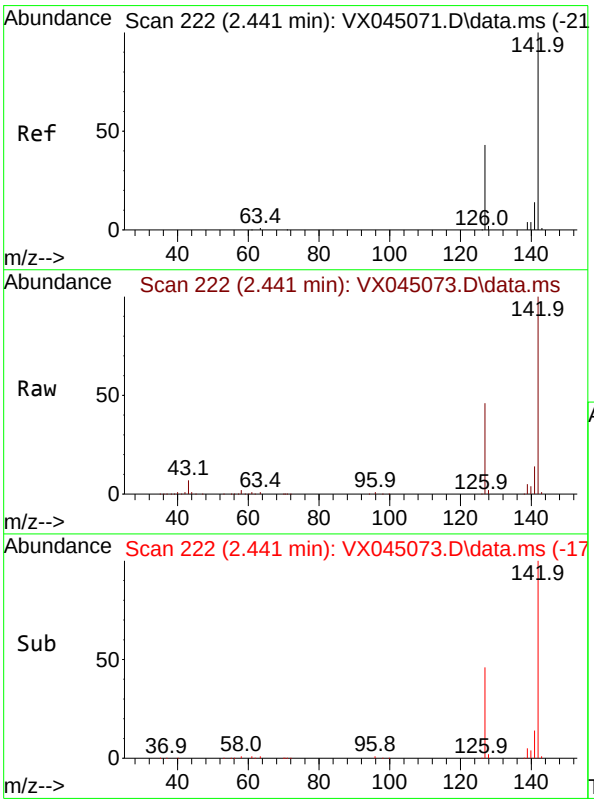
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

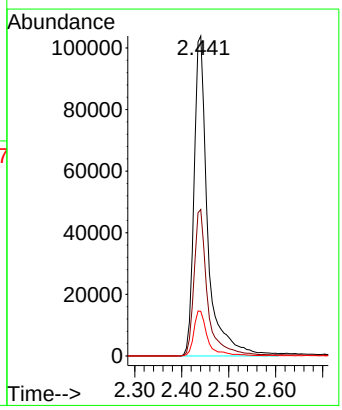
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

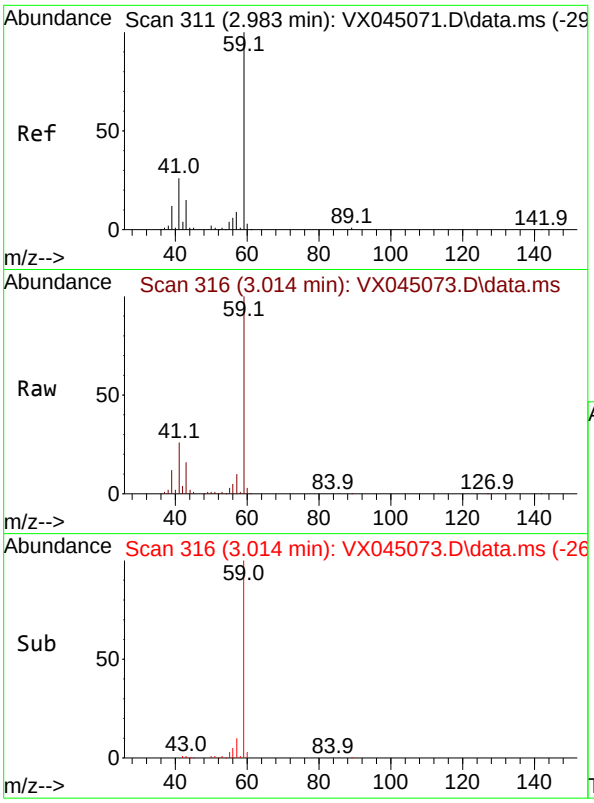


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4

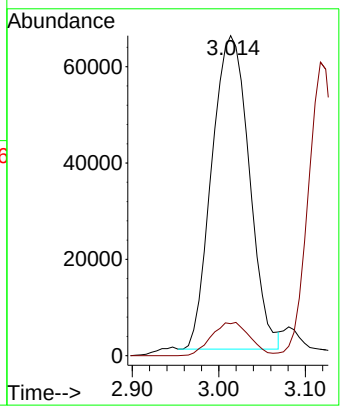




#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 59 Resp: 19541

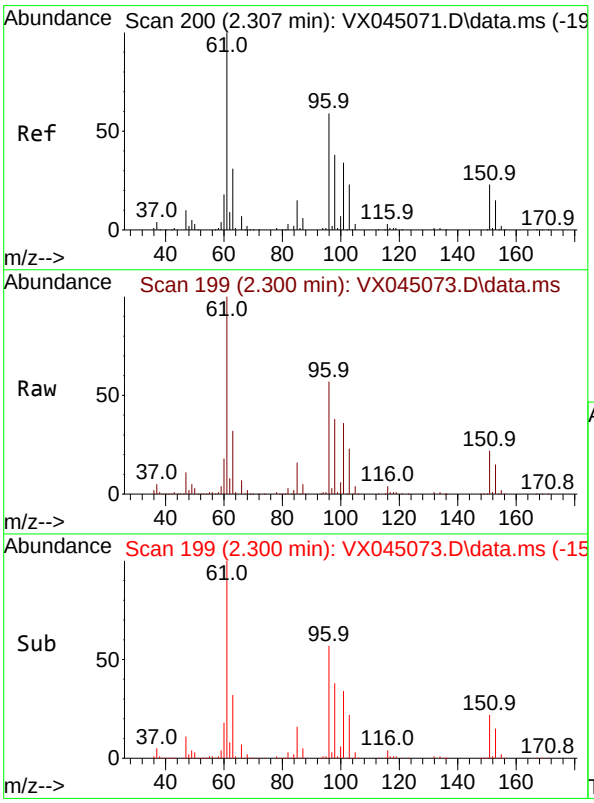
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

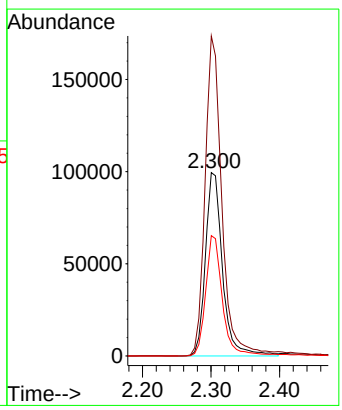
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

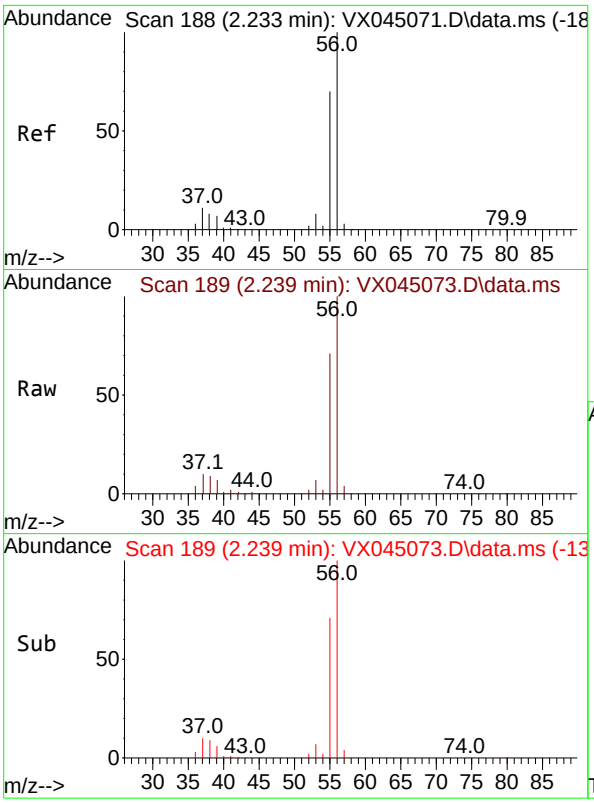


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6

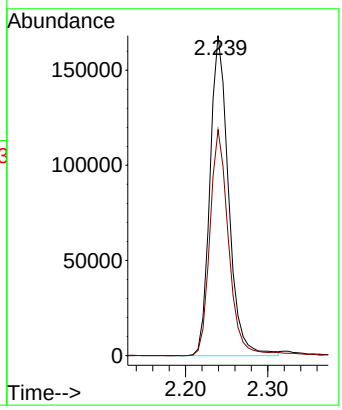




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

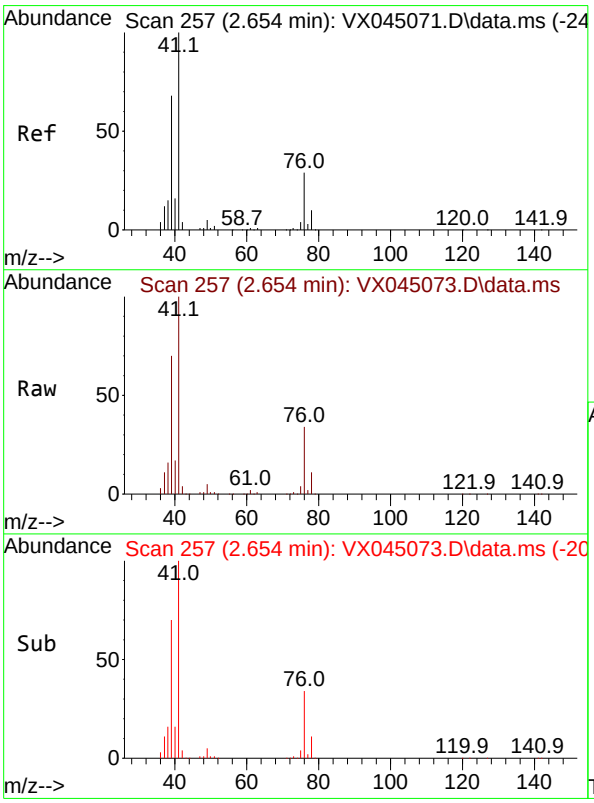
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

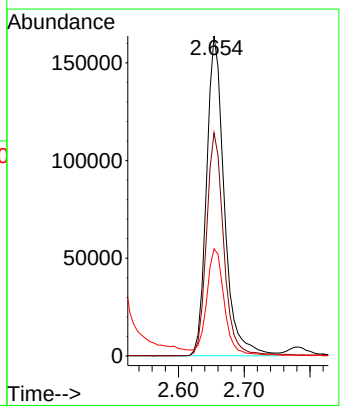
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

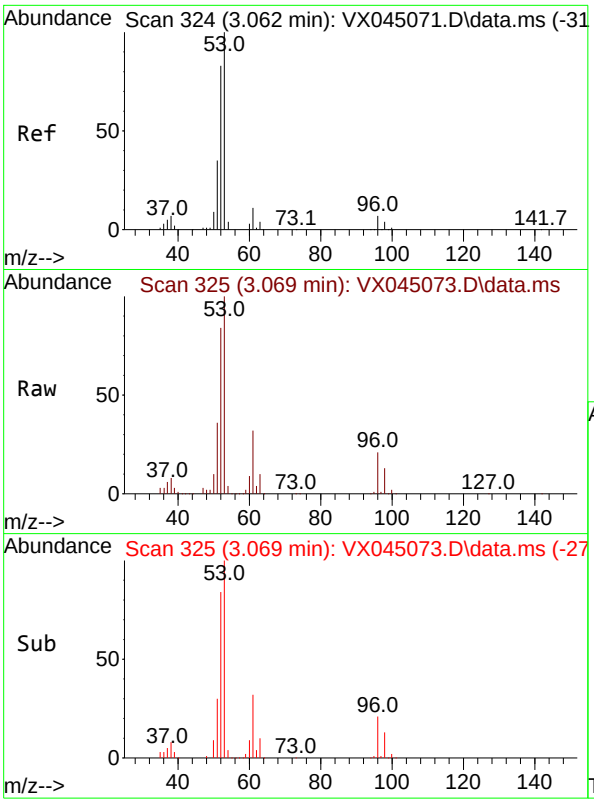


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8

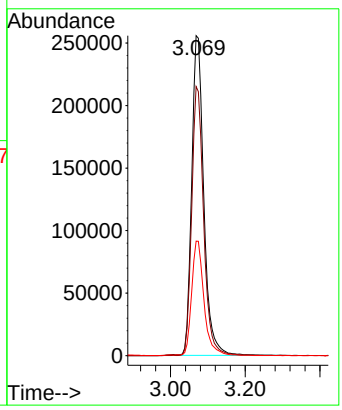




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

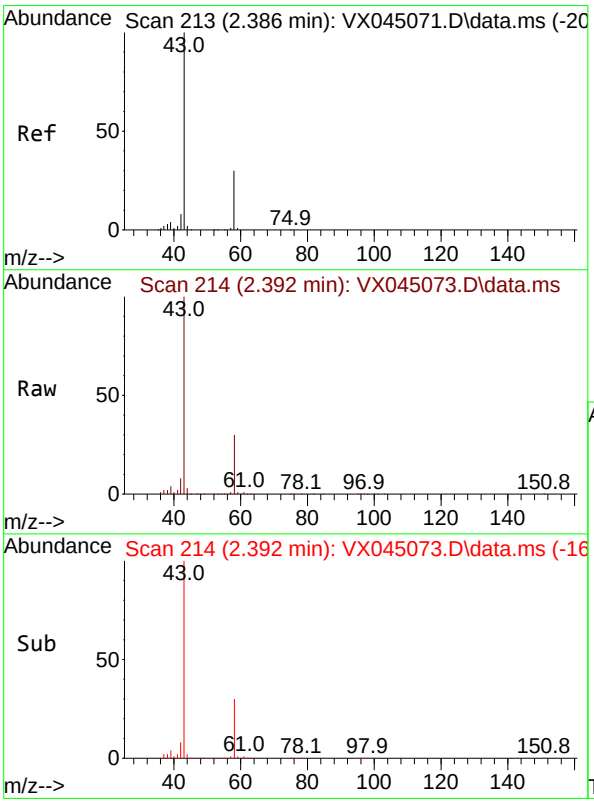
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

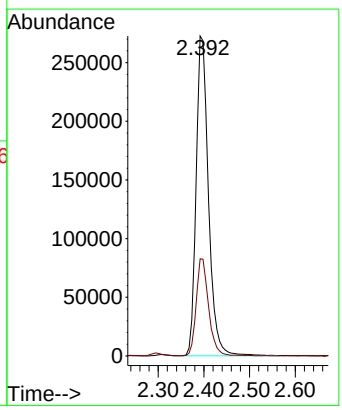
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

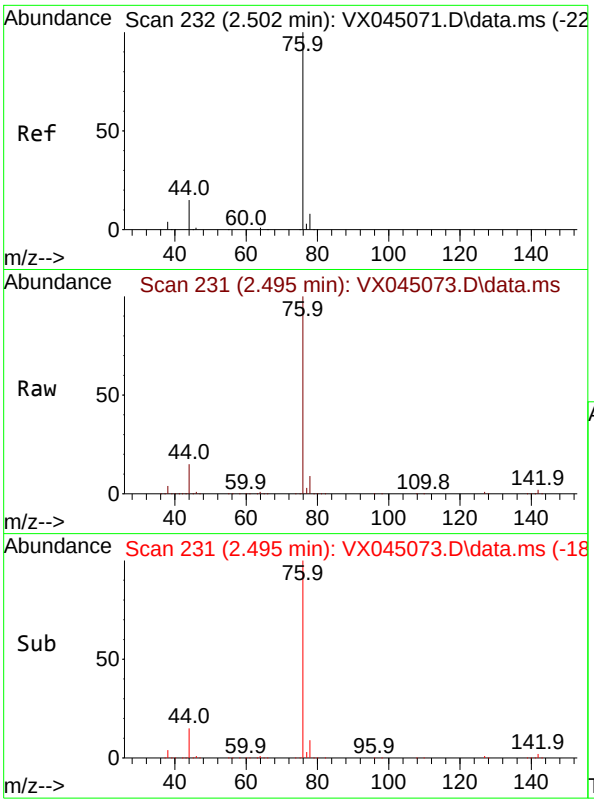


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

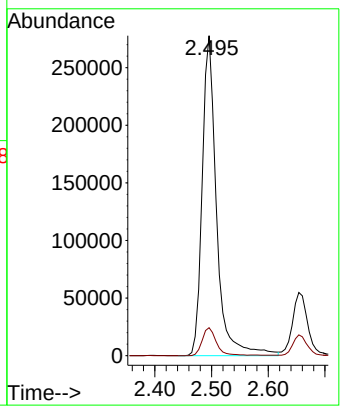




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

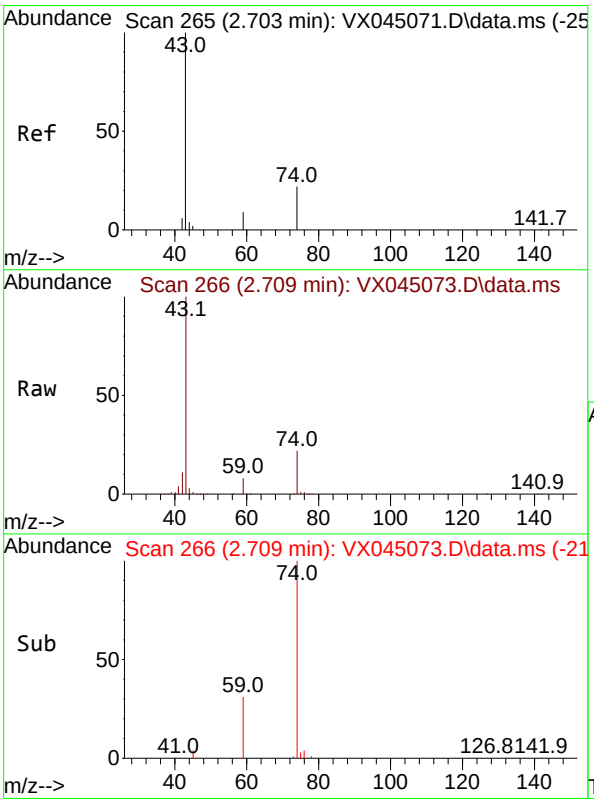
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

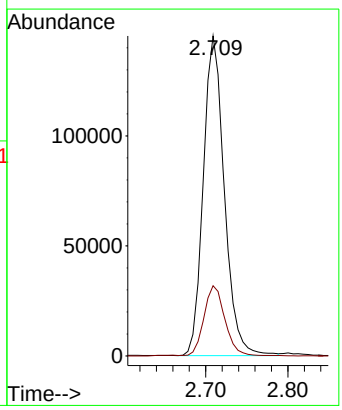
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

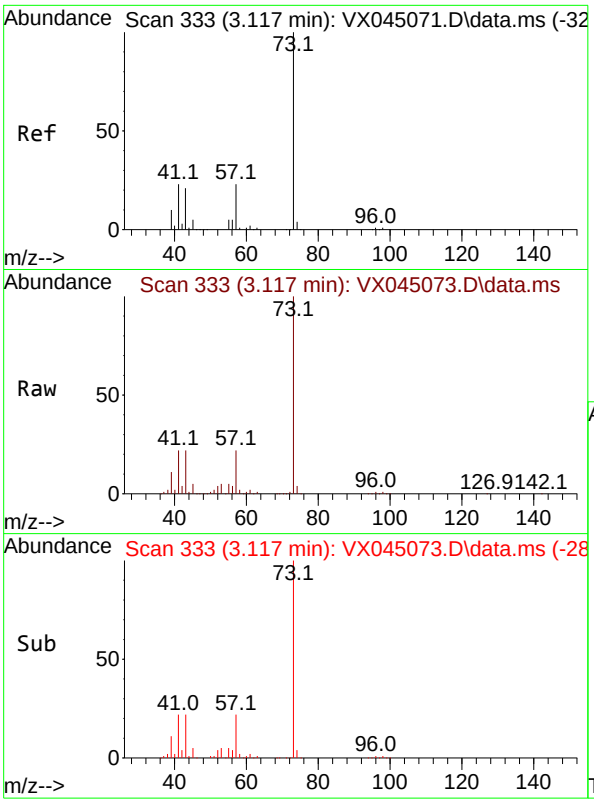


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

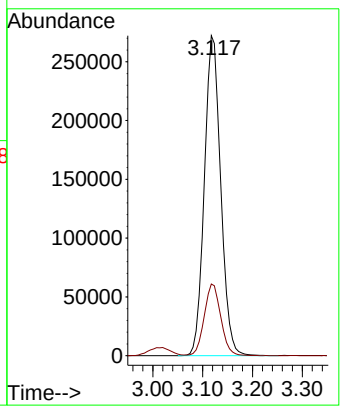




#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 73 Resp: 61977

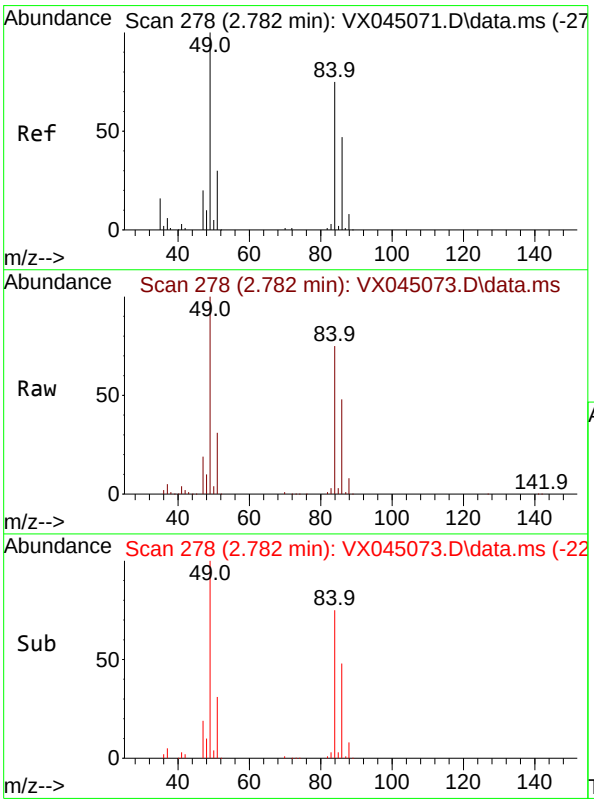
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

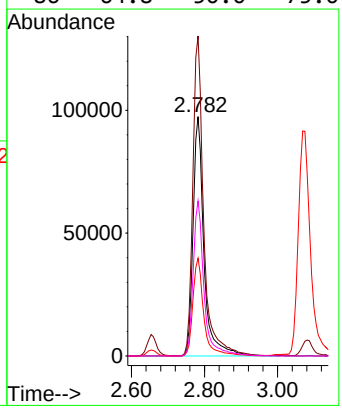
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

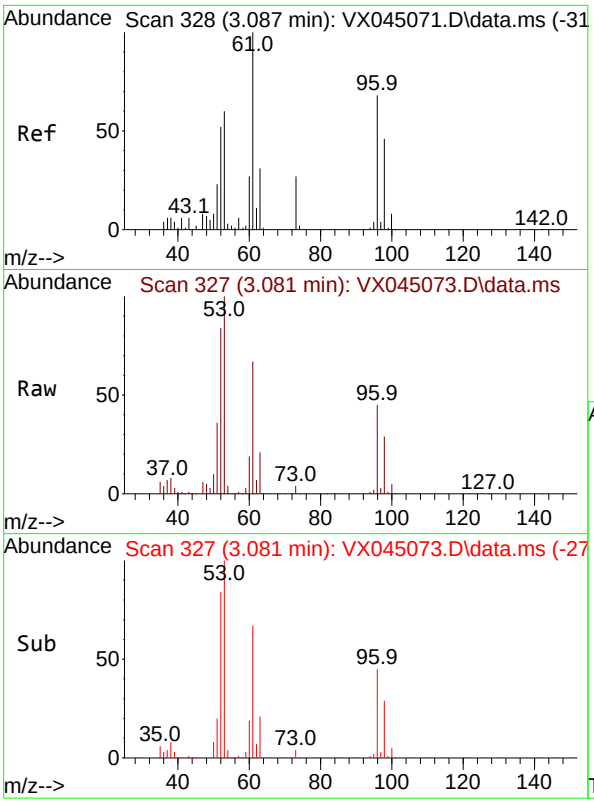


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0

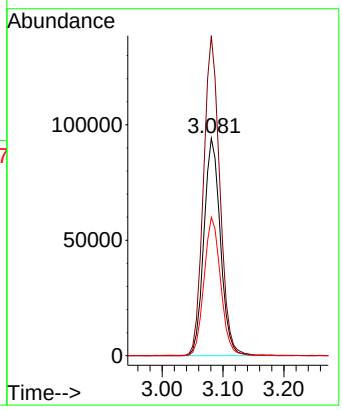




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

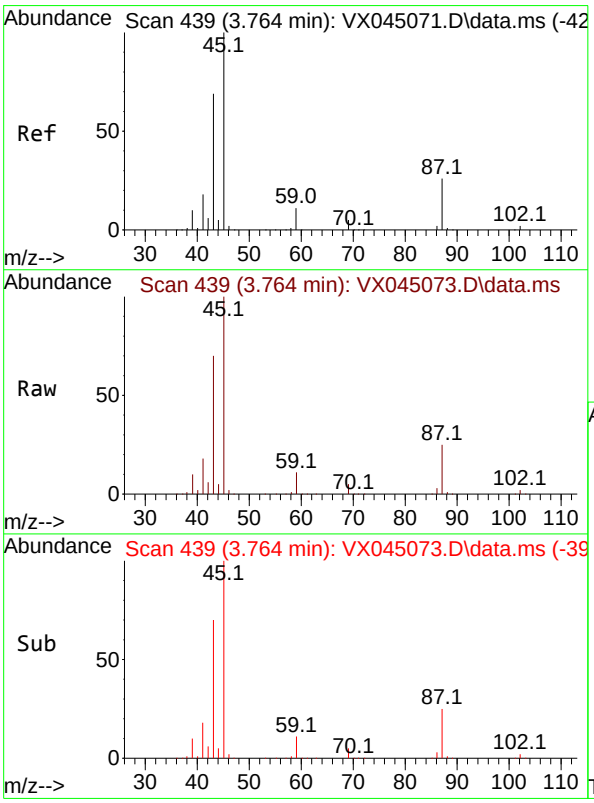
Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

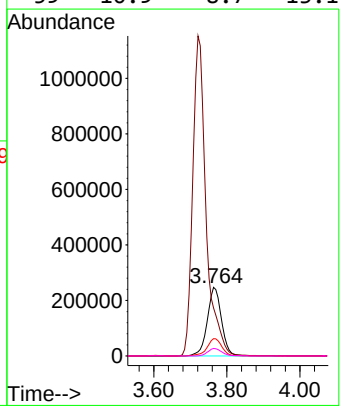
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

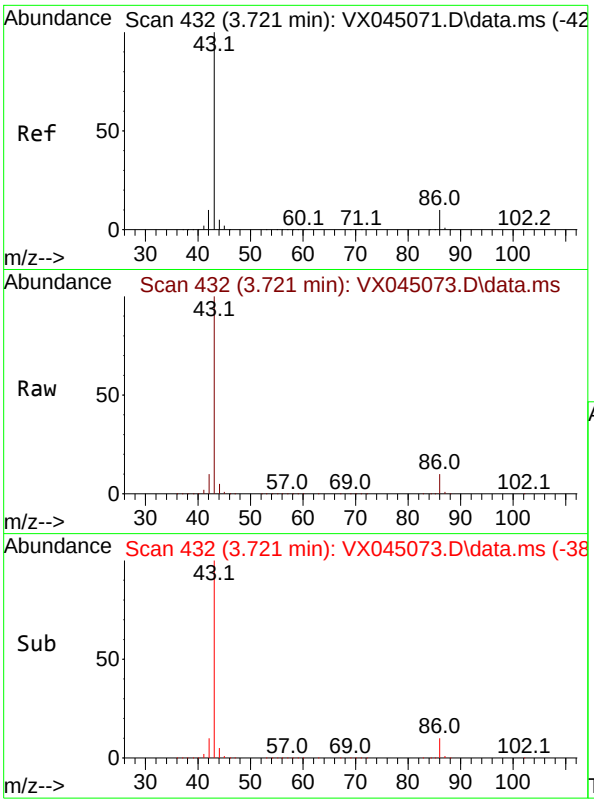


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1

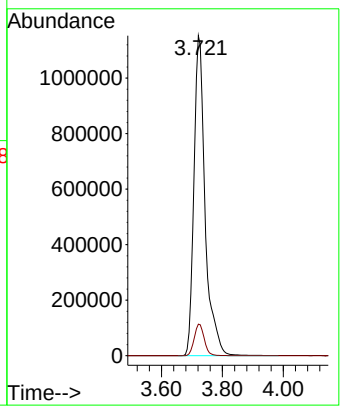




#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 294315

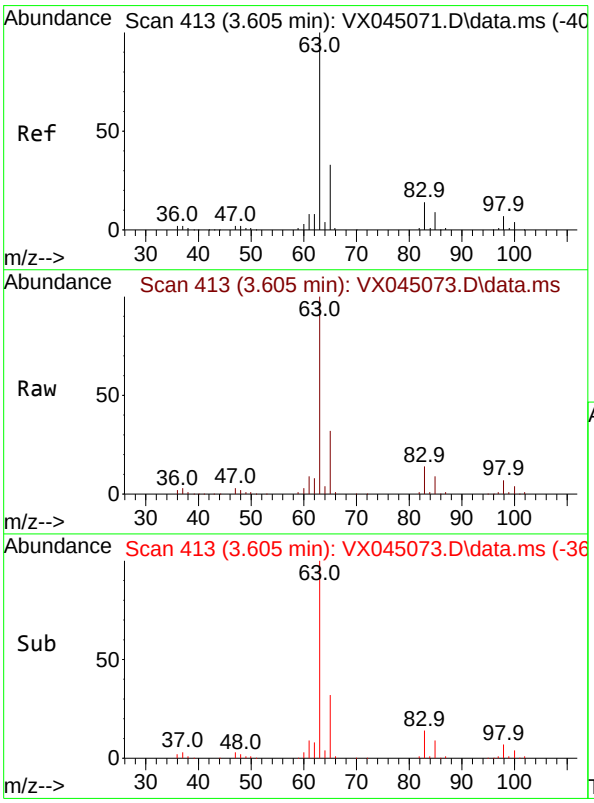
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

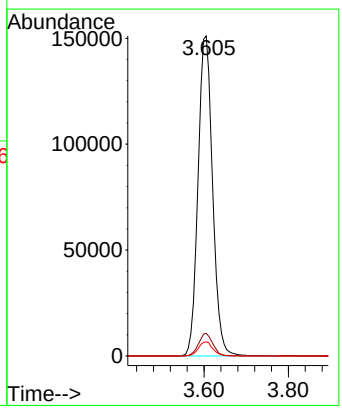
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

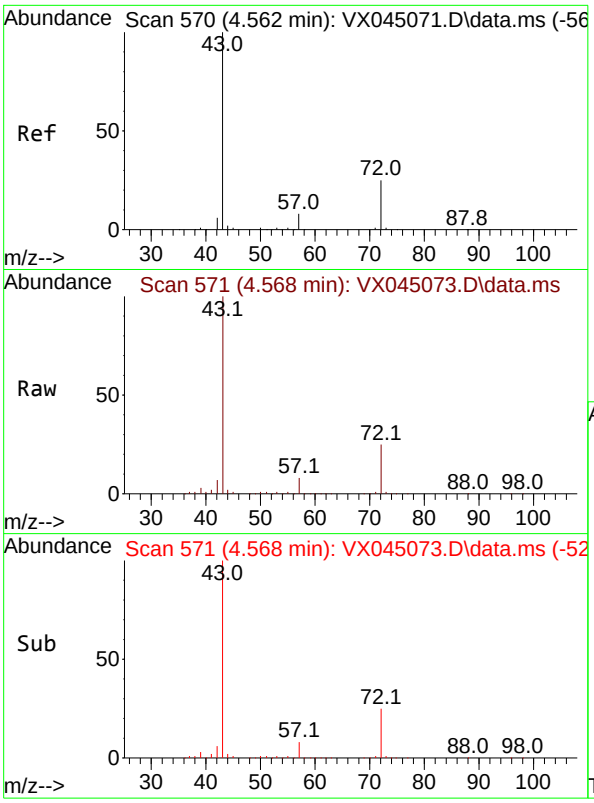


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5

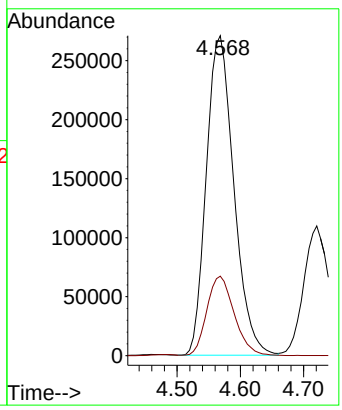




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

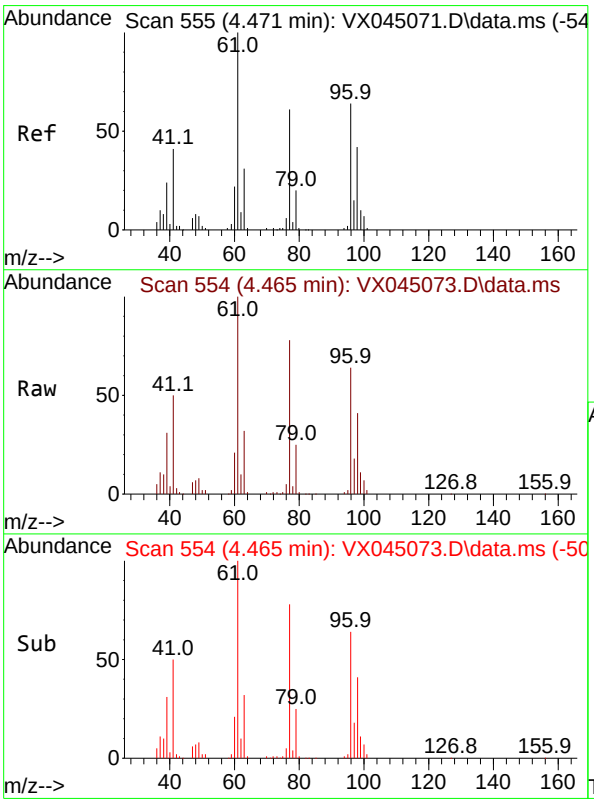
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

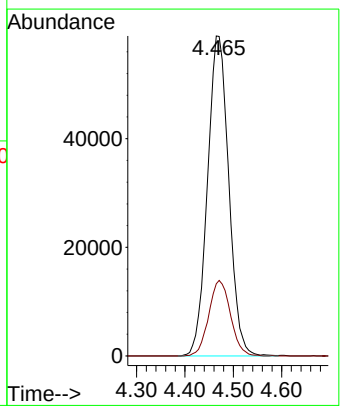
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

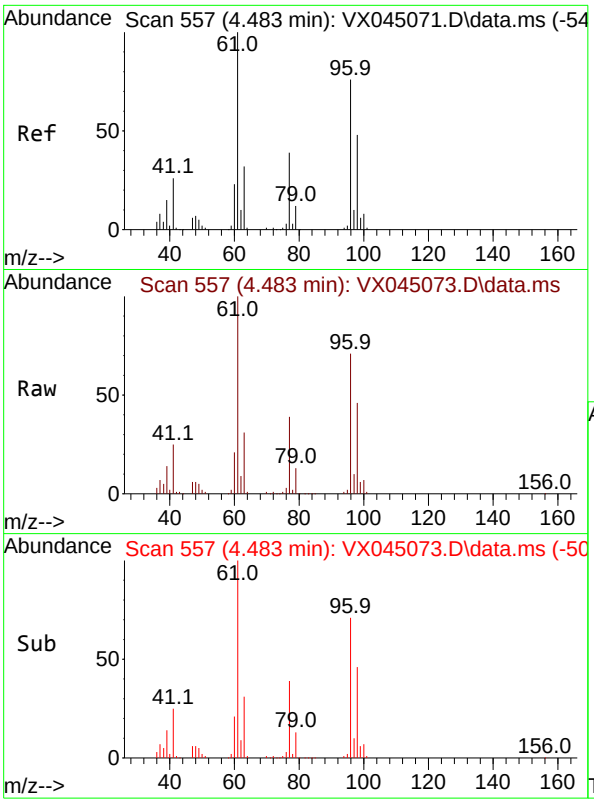


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

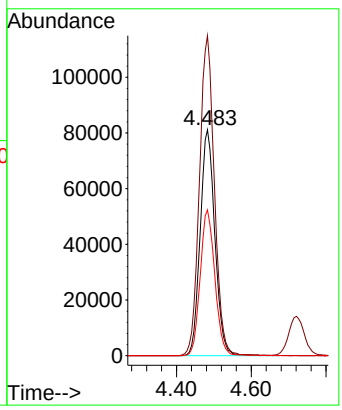




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

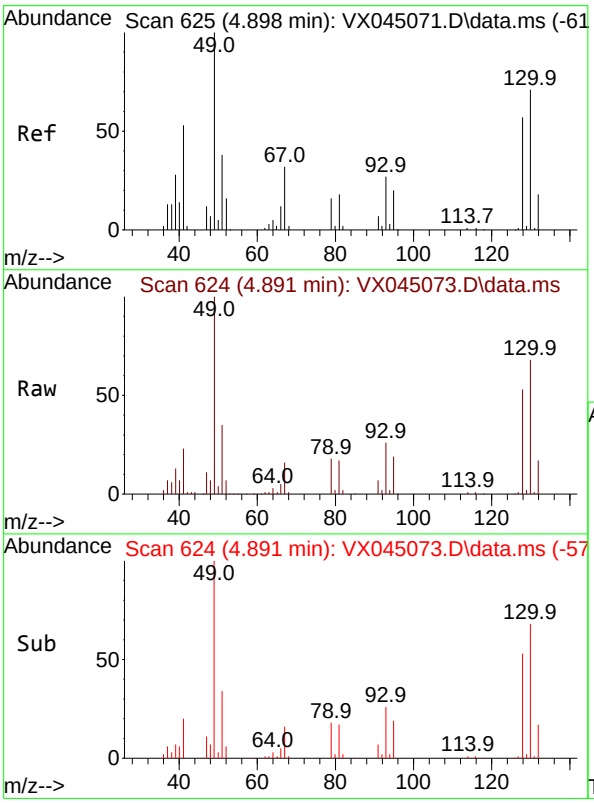
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

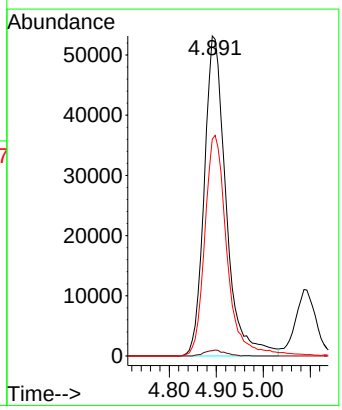
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

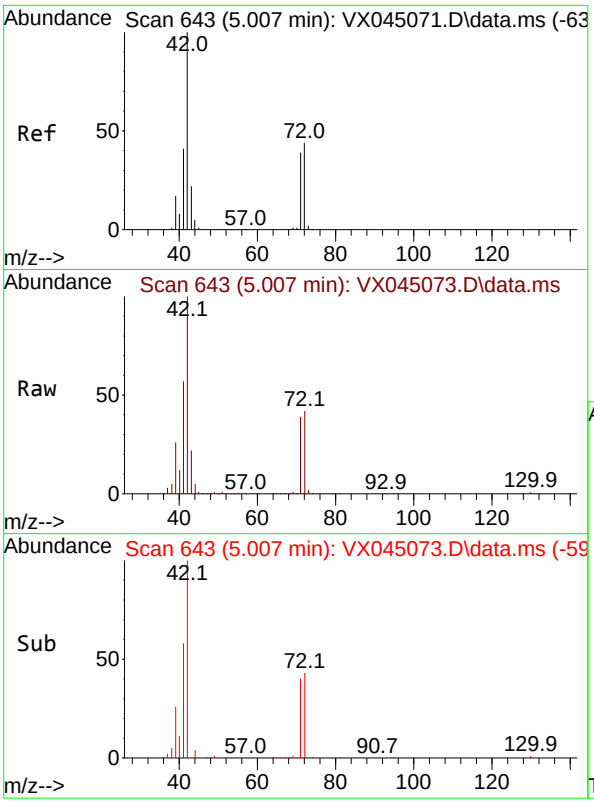


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1





#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

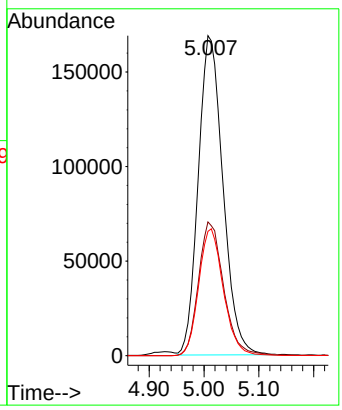
Tgt Ion: 42 Resp: 52857

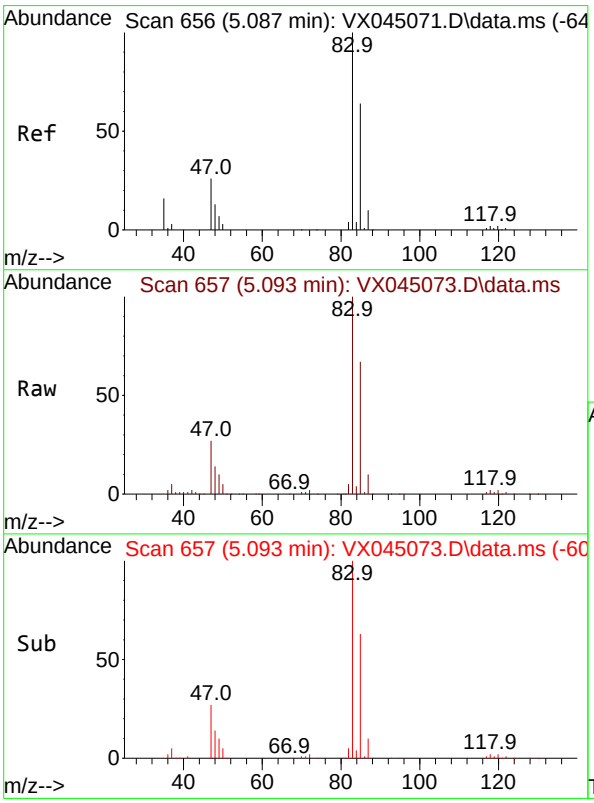
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

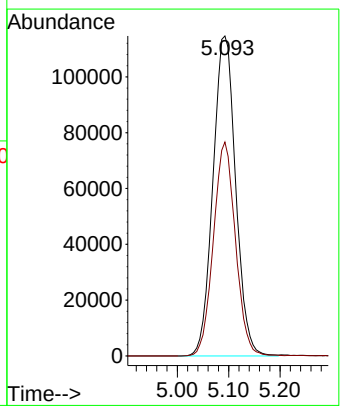


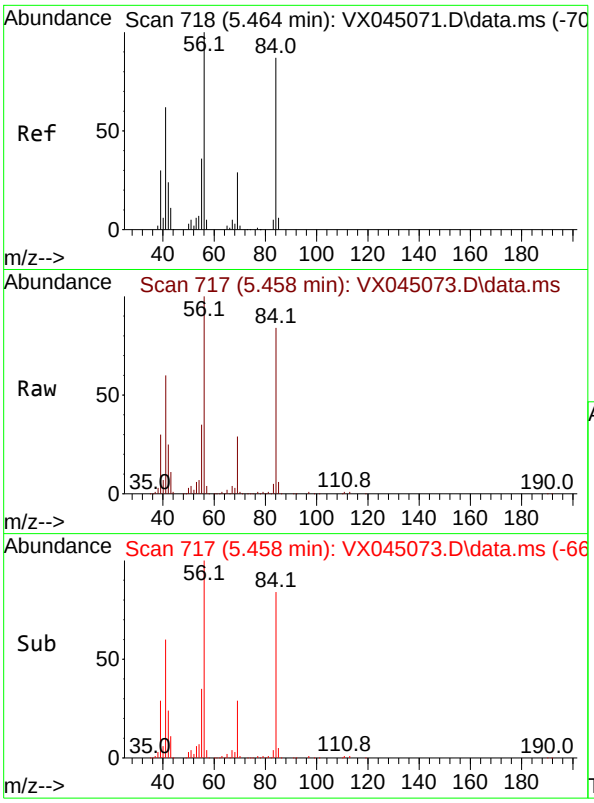


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

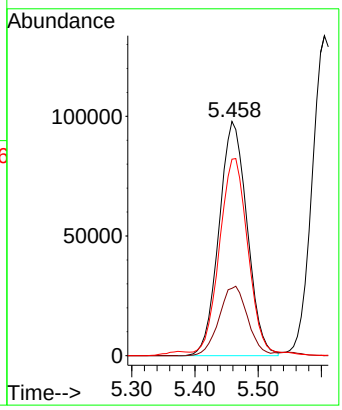




#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 30221

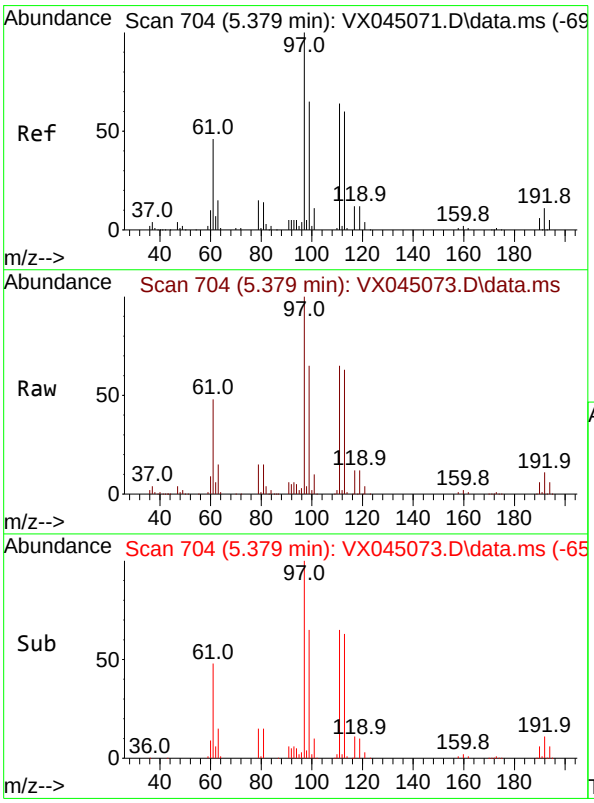
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

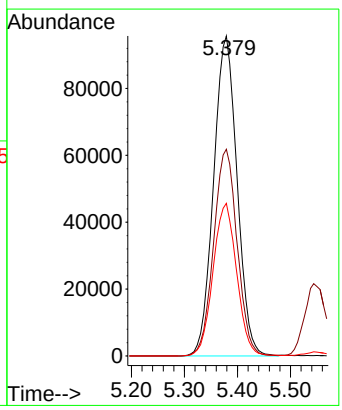
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

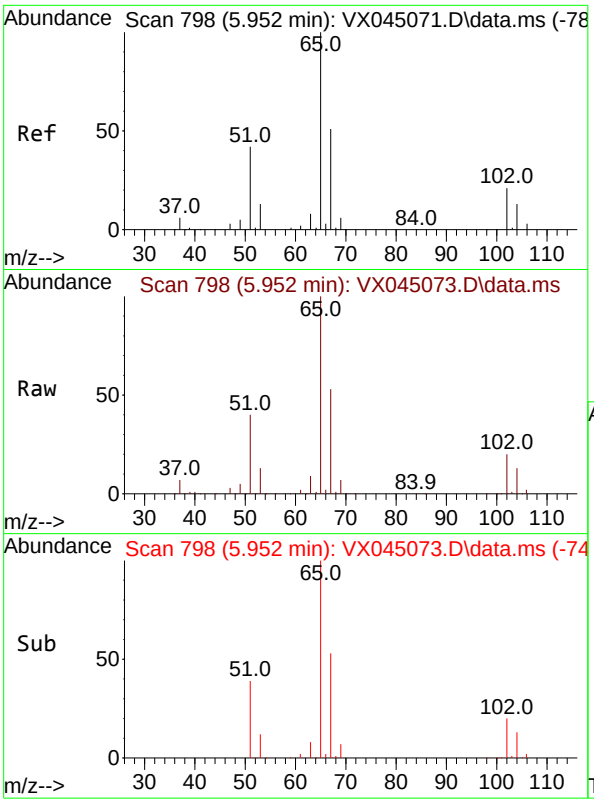


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6

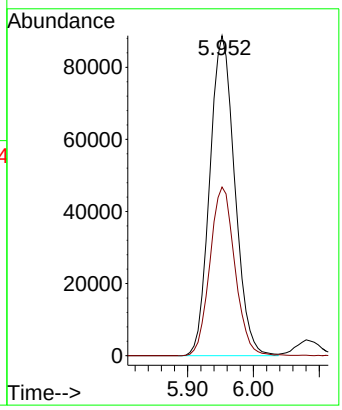




#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

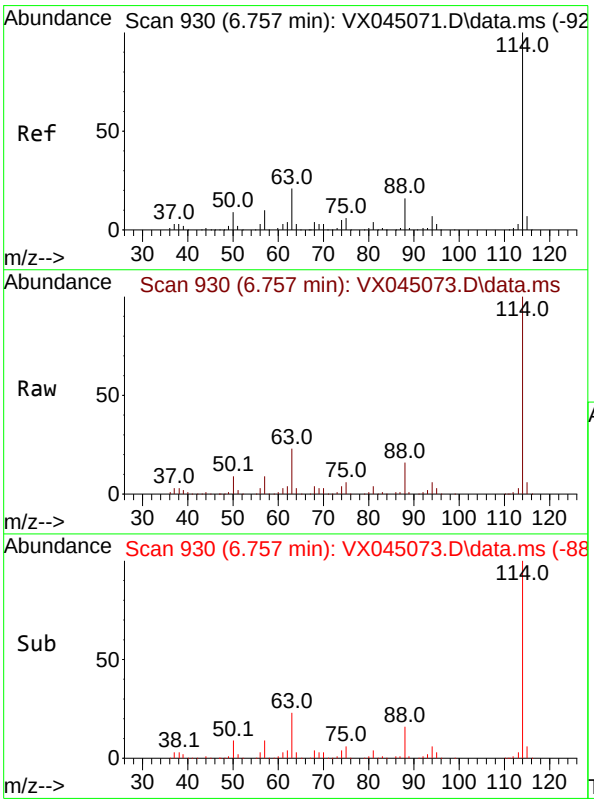
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

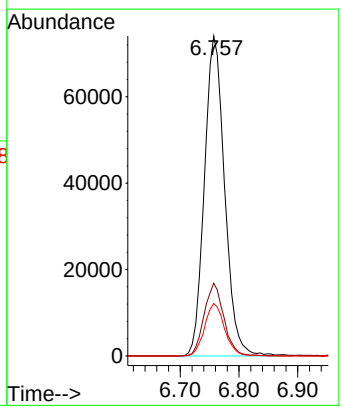
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

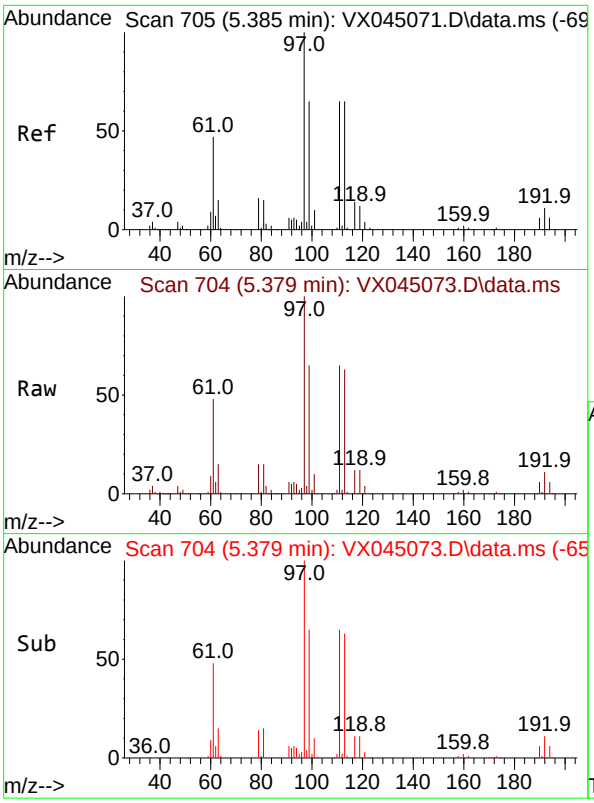


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8

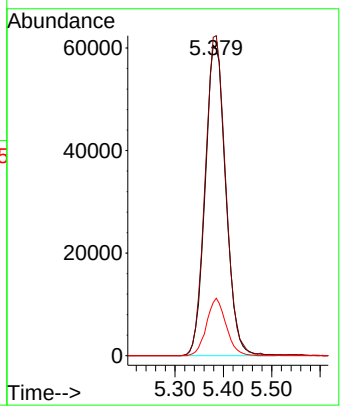




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

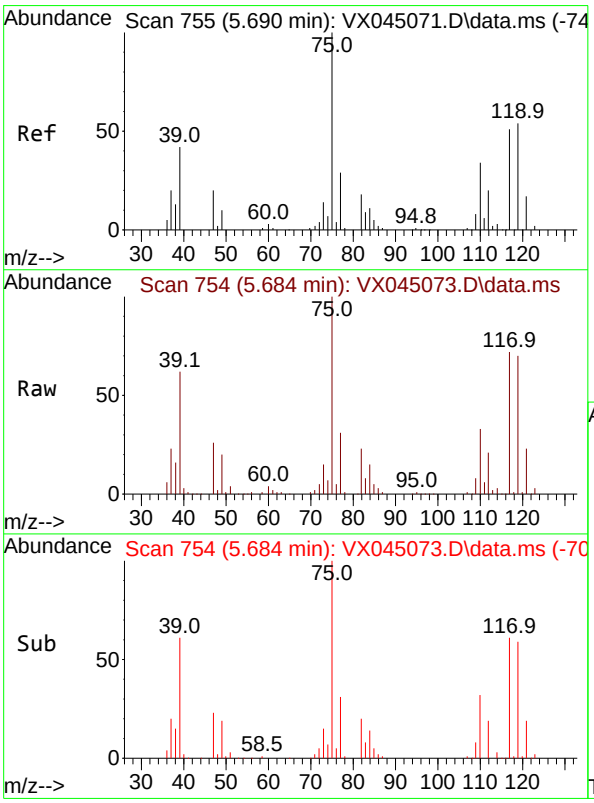
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

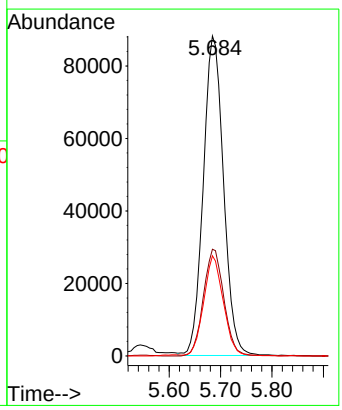
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

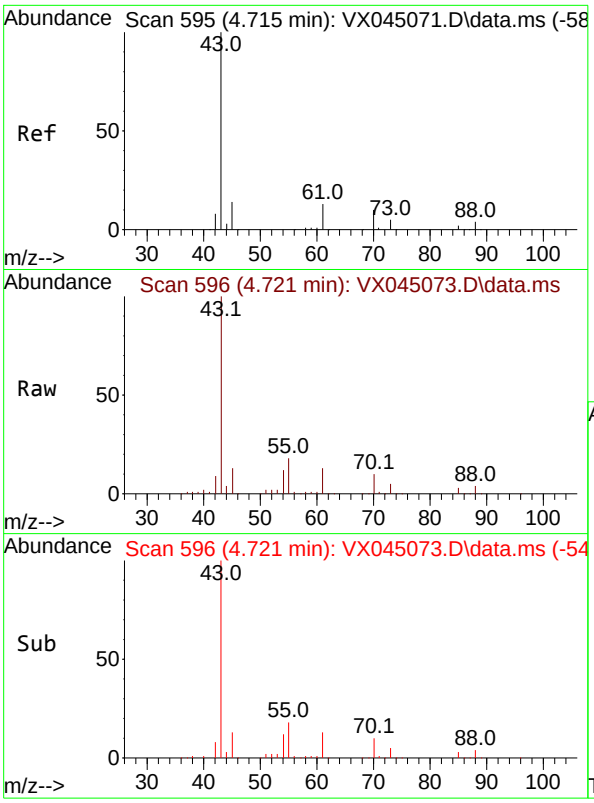


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7

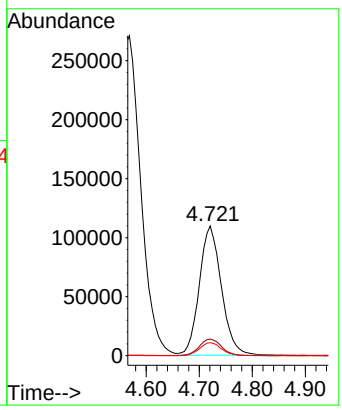




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

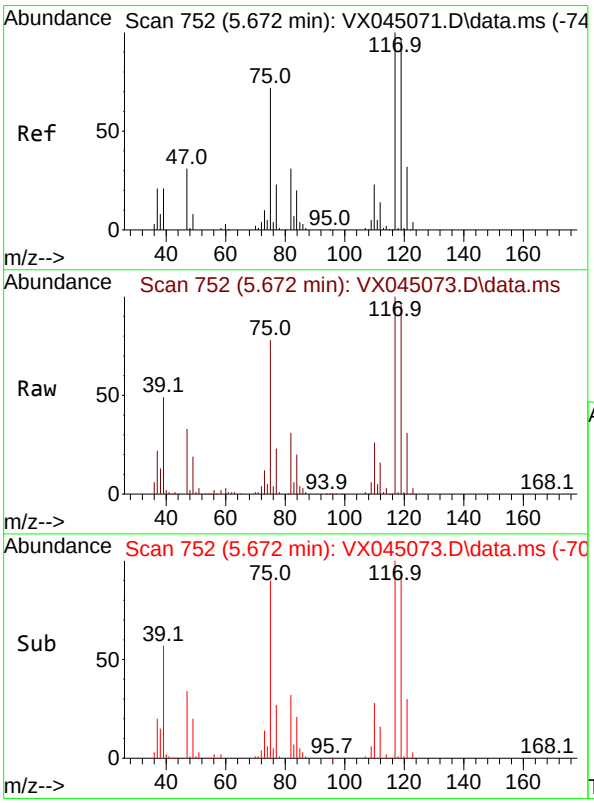
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

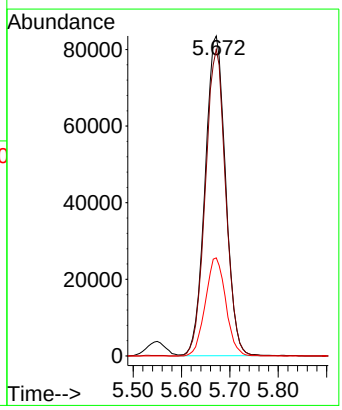
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

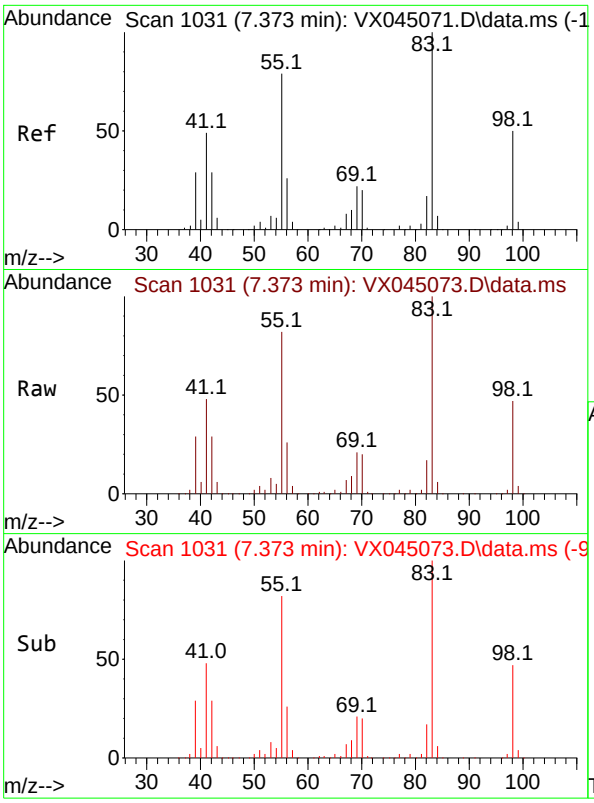


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3

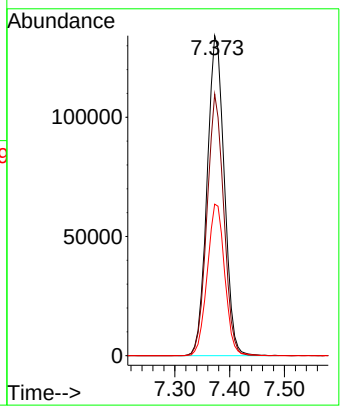




#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 29221(

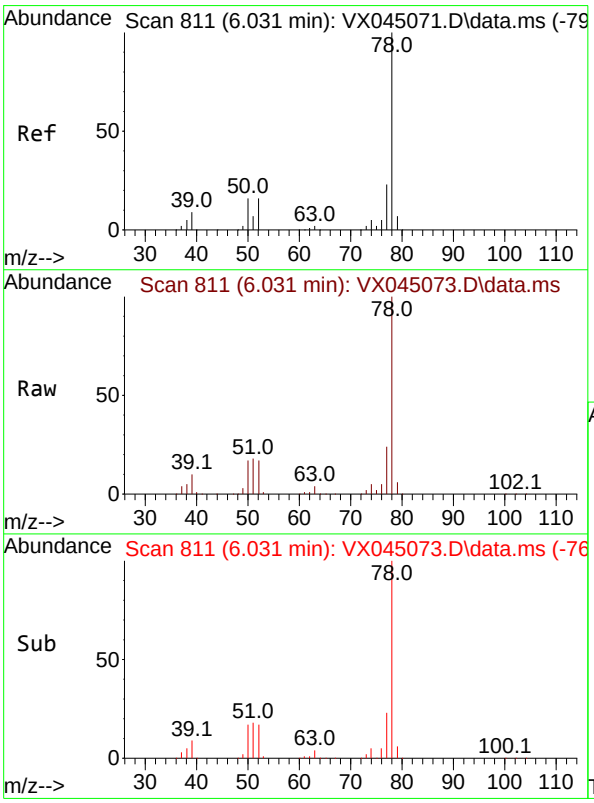
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

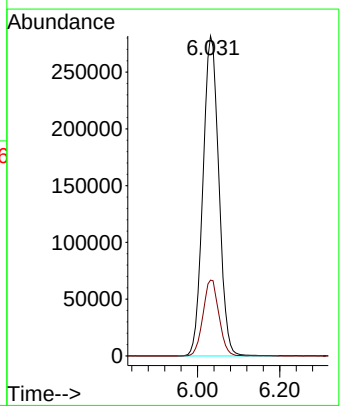
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

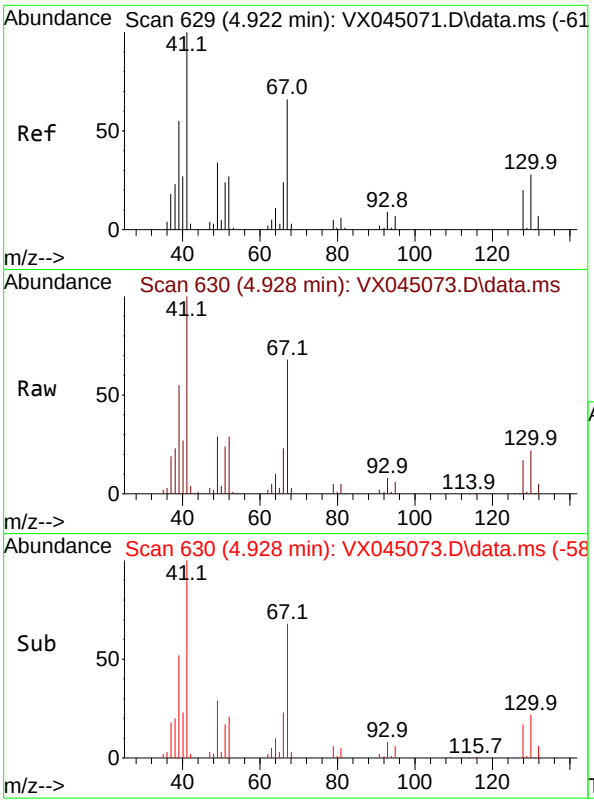


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

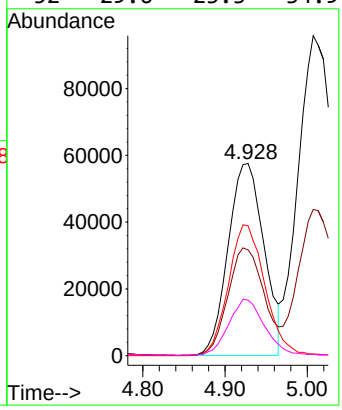




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

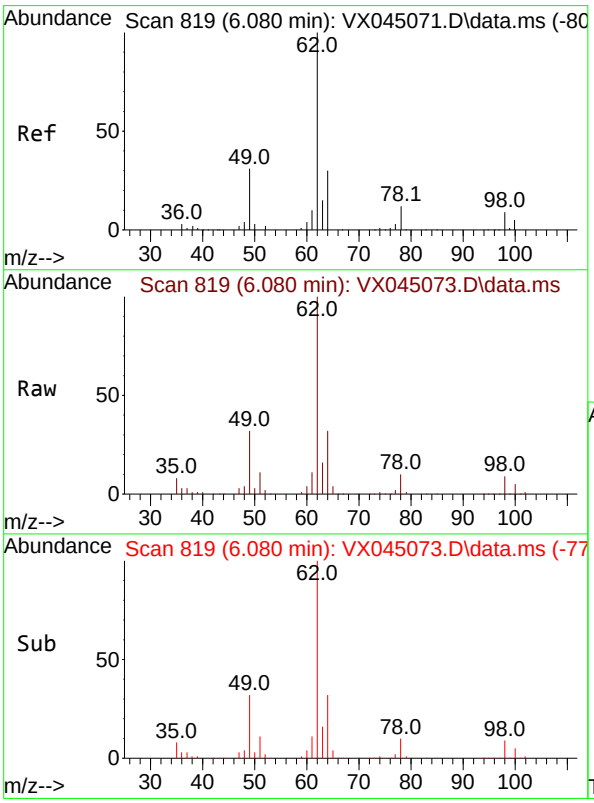
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

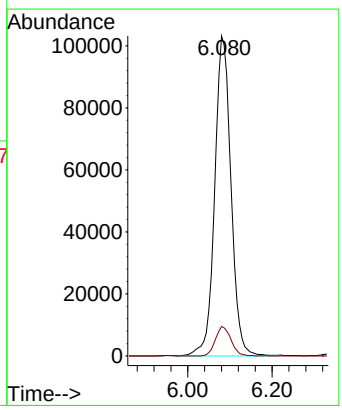
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

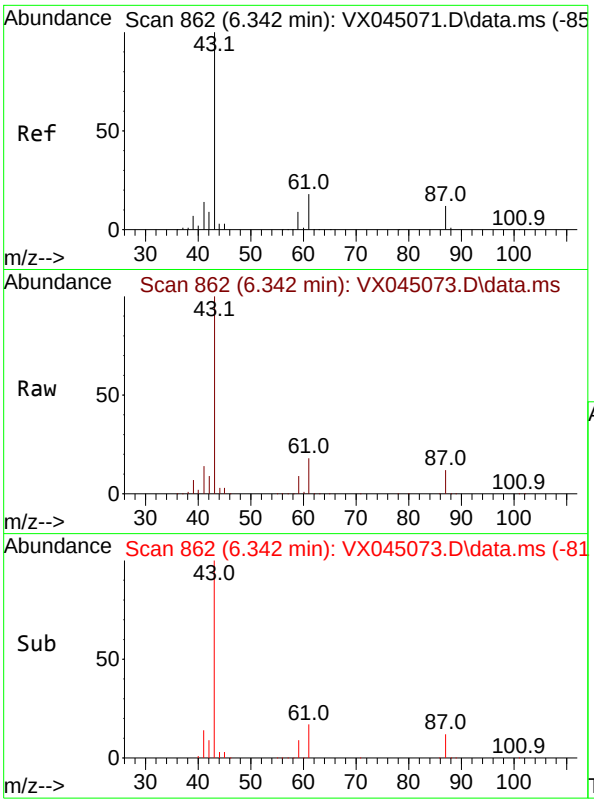


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

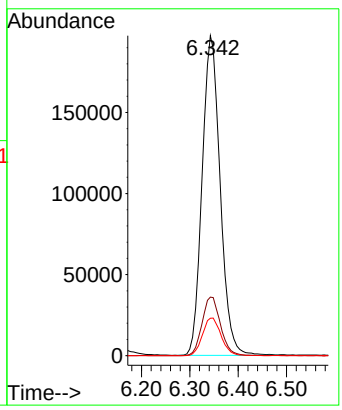




#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 51164

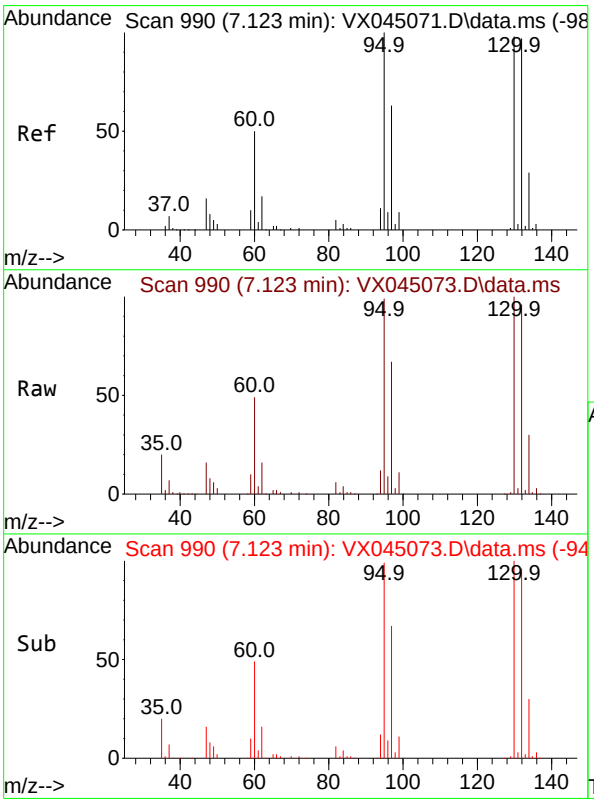
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

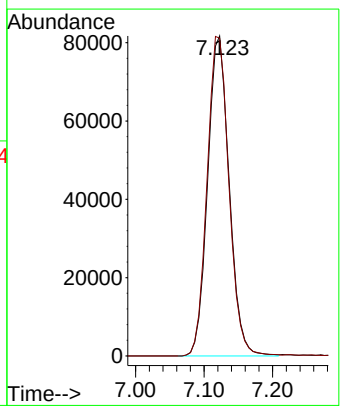
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

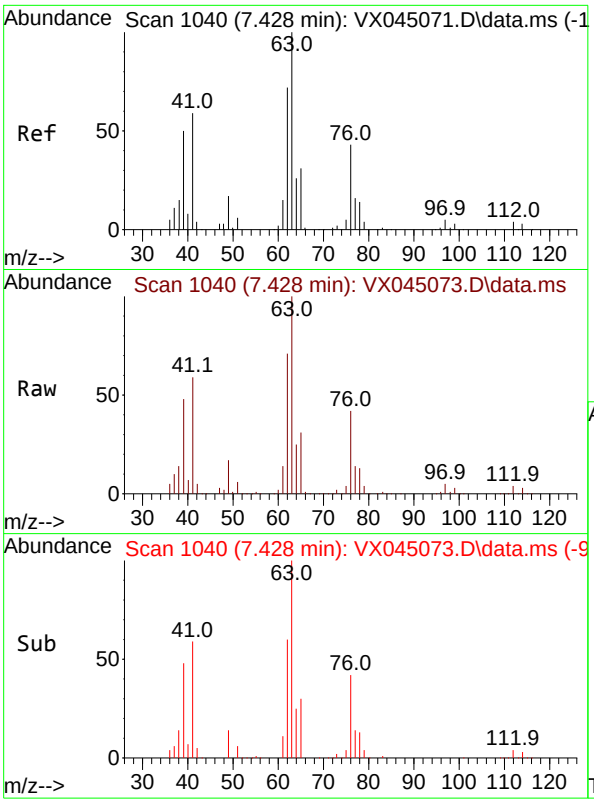


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0

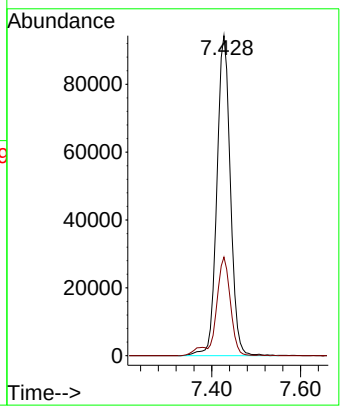




#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 19813

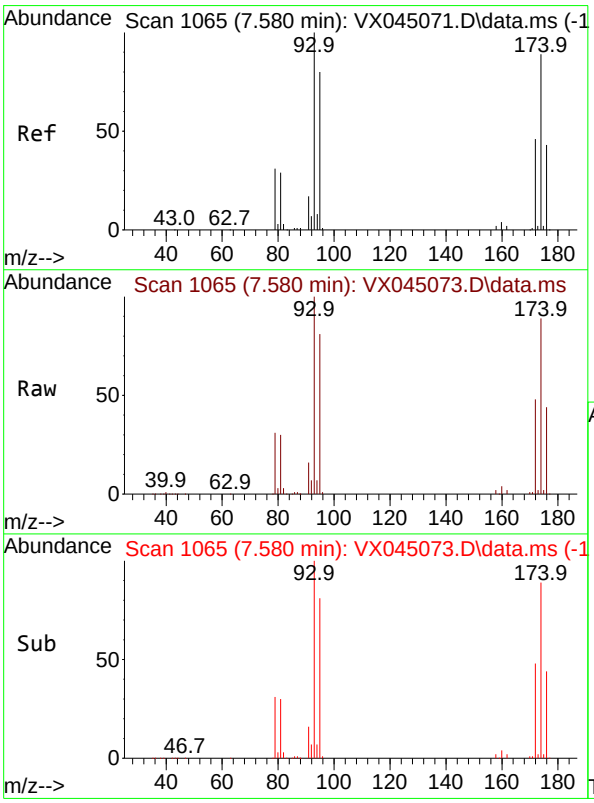
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

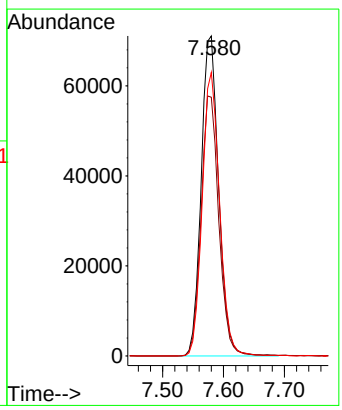
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

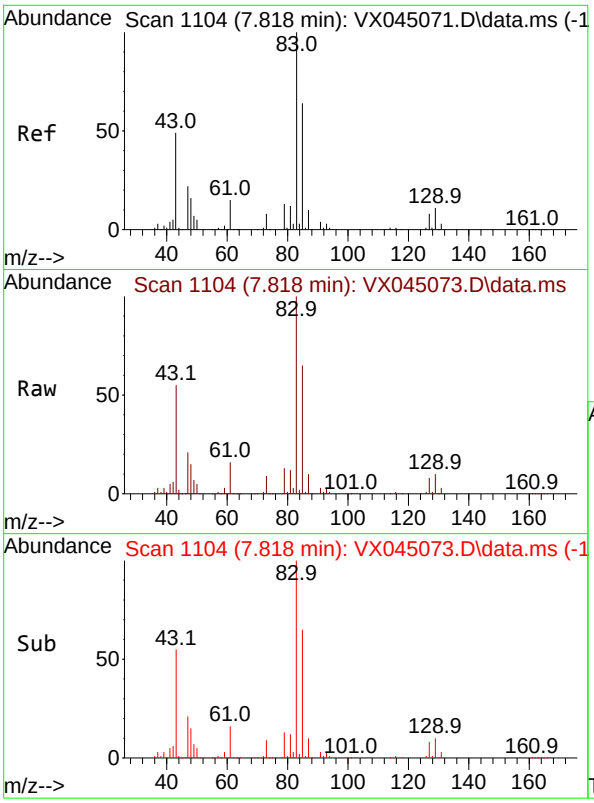


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2

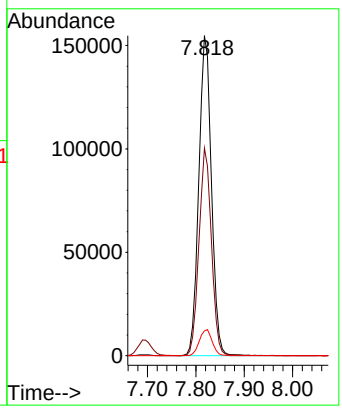




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

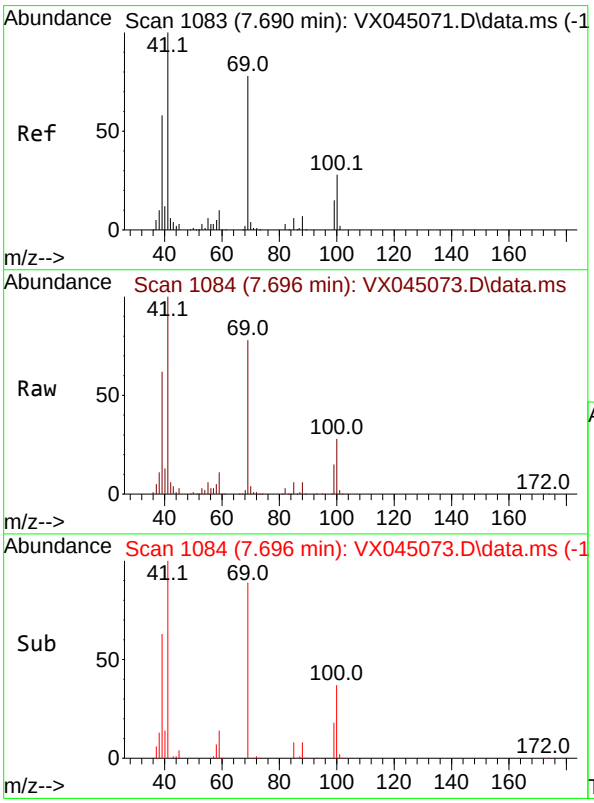
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

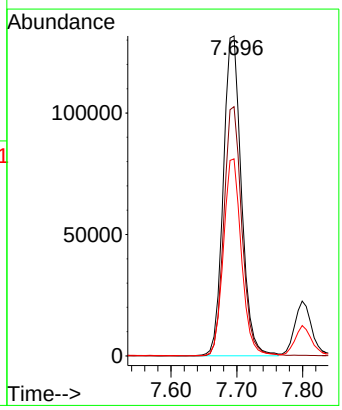
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

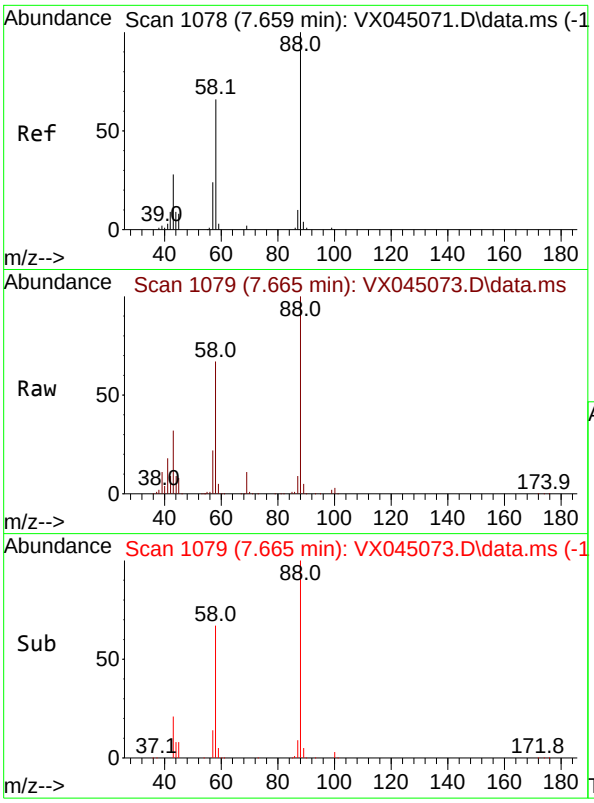


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3

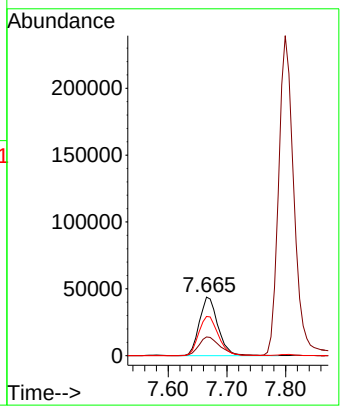




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

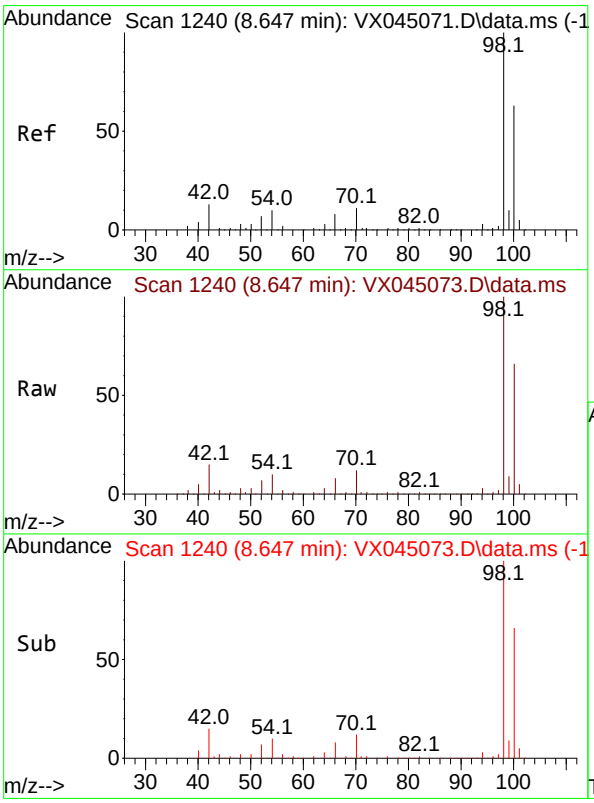
Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

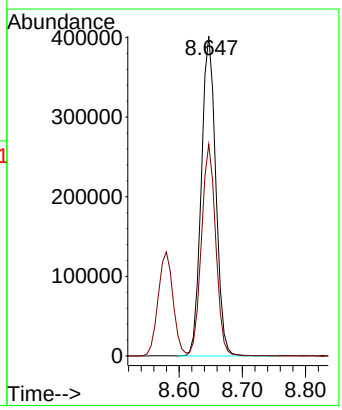
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

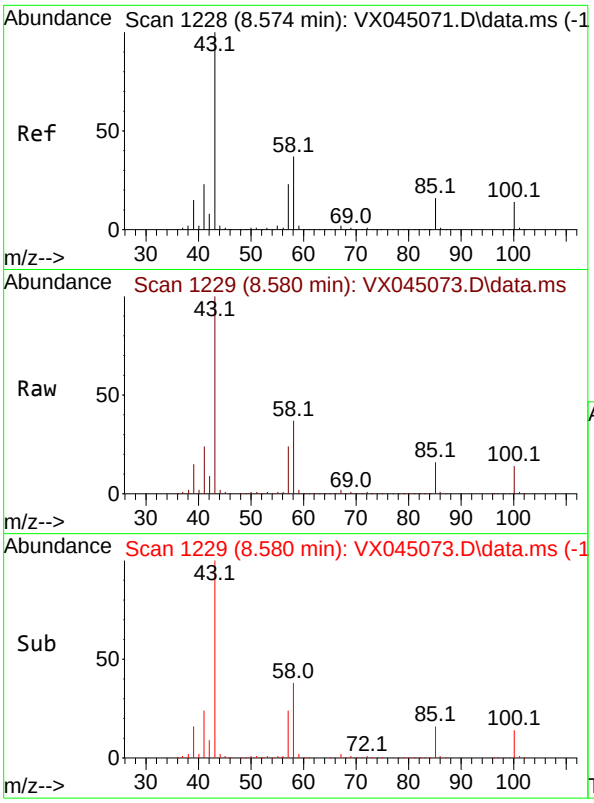


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

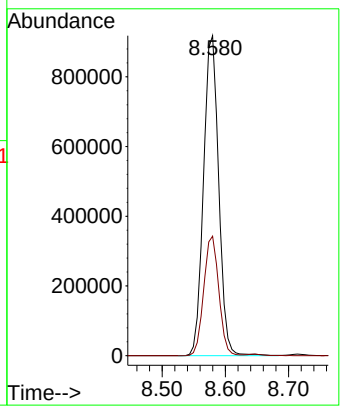
Tgt Ion: 43 Resp: 153615

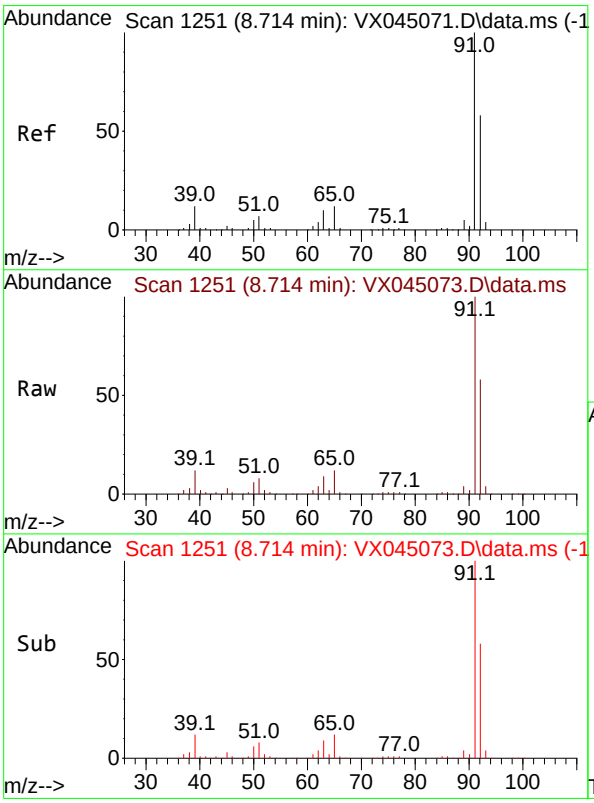
Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

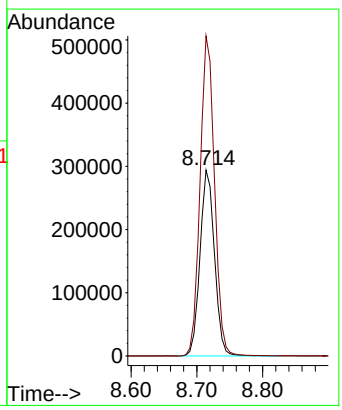


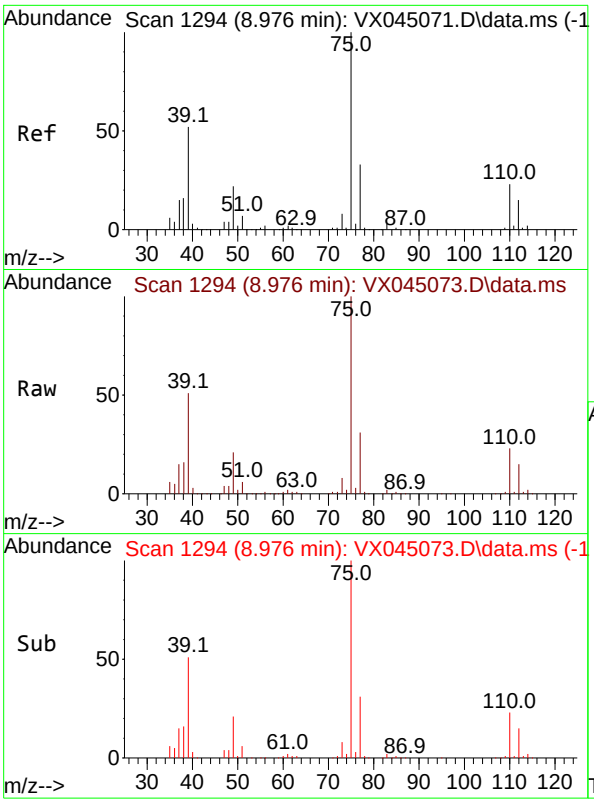


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

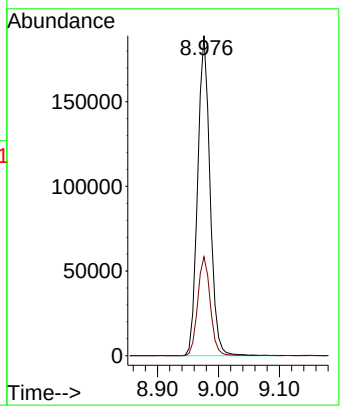




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

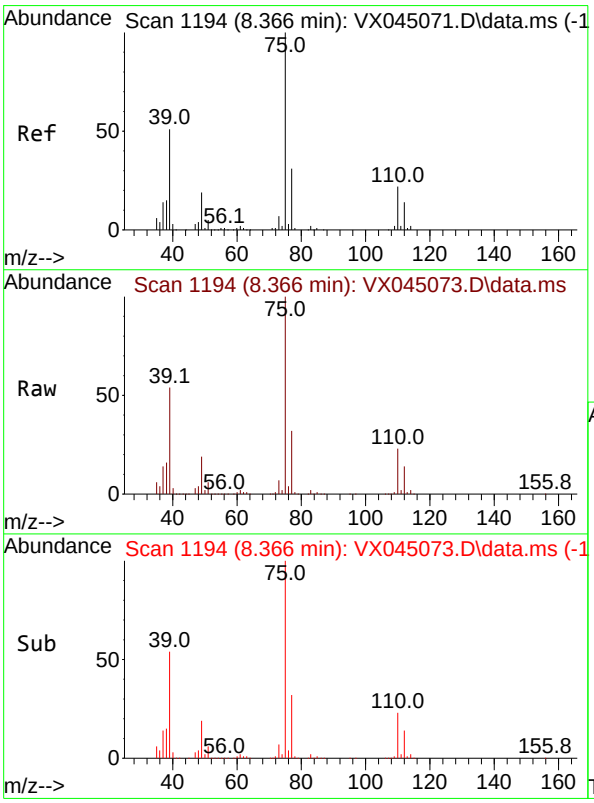
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

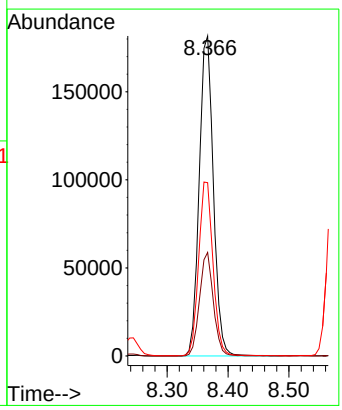
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

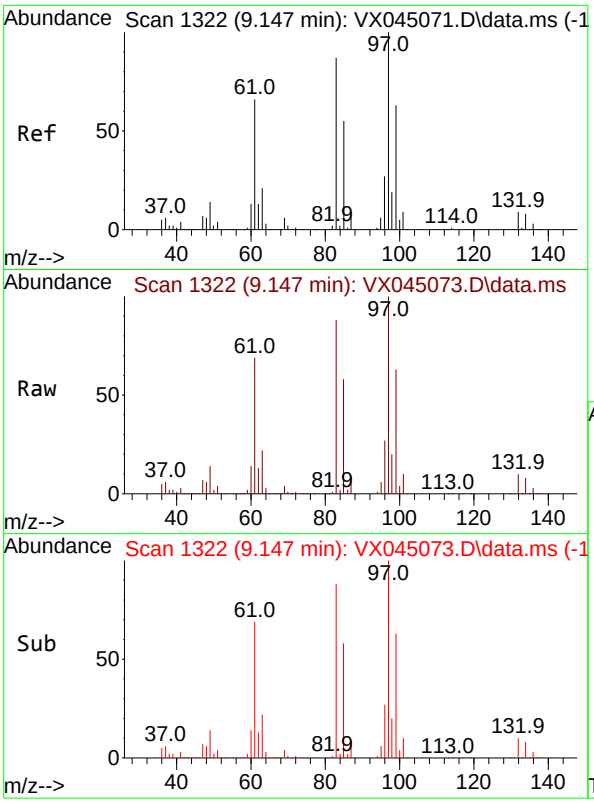


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1

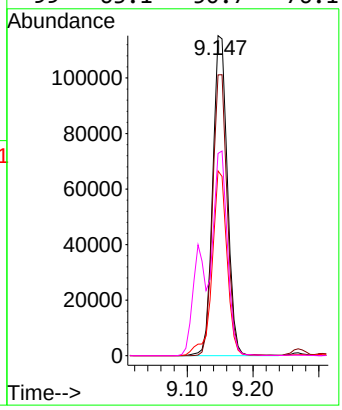




#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 17821

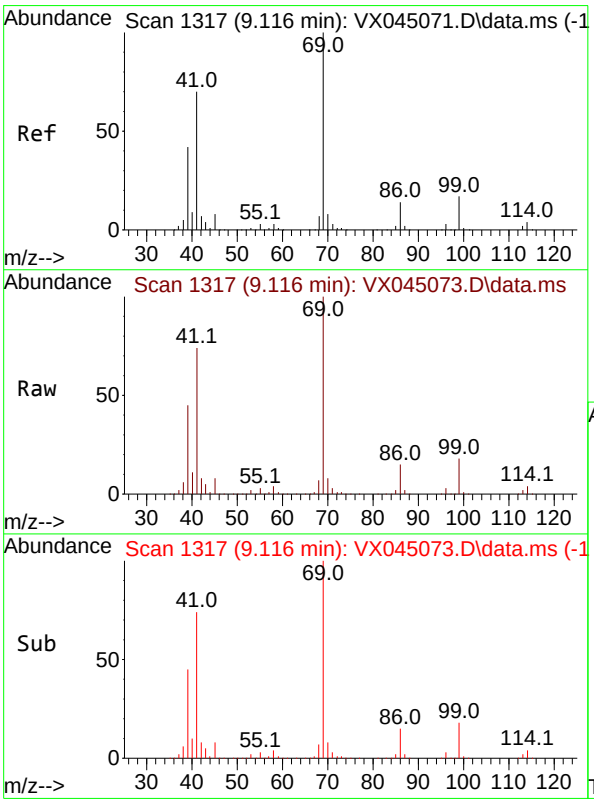
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

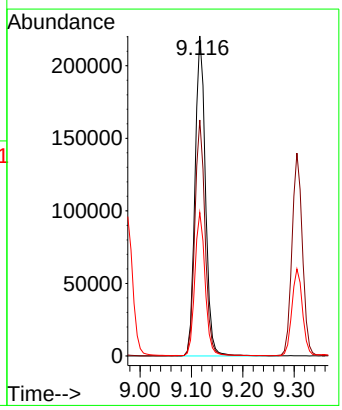
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

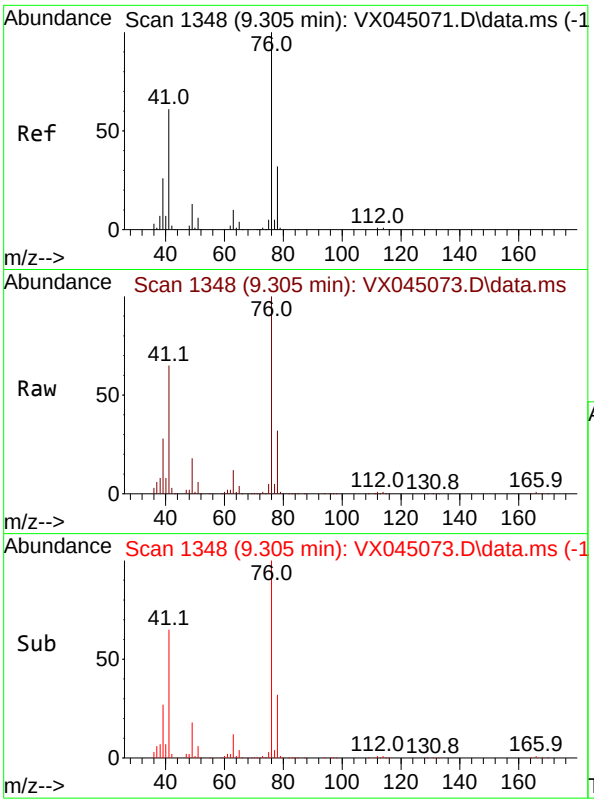


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4

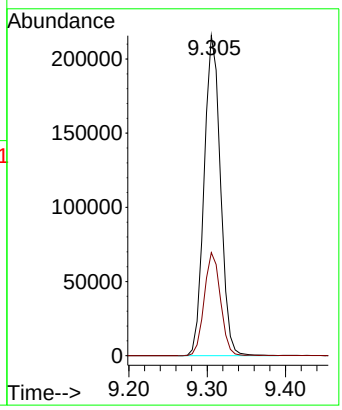




#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

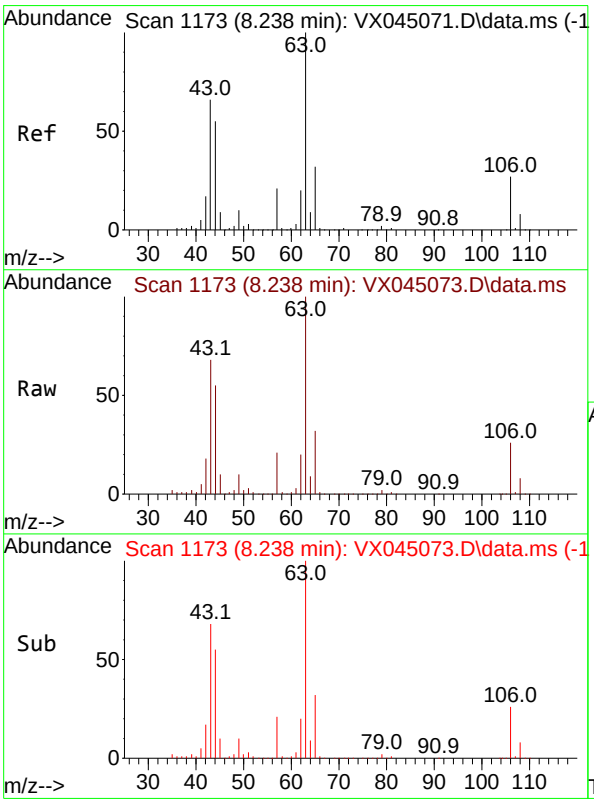
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

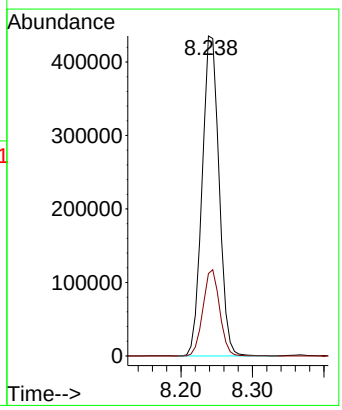
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

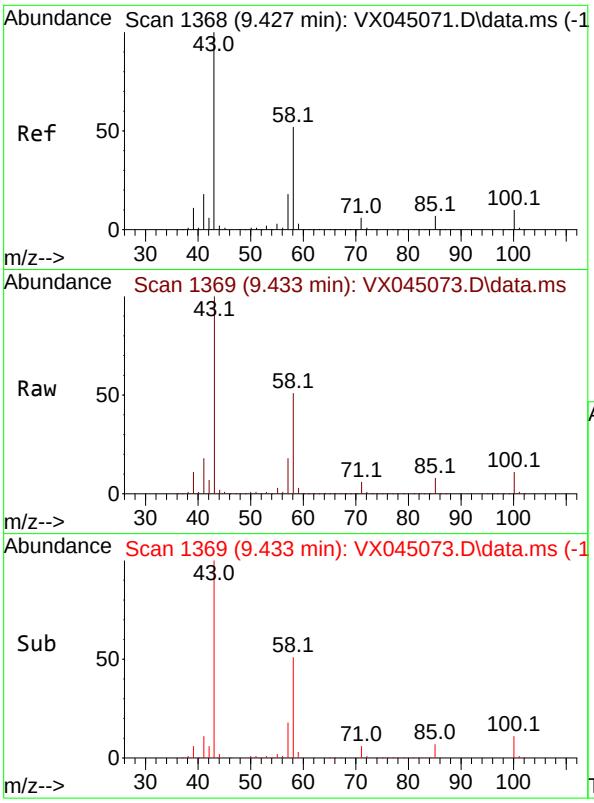


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

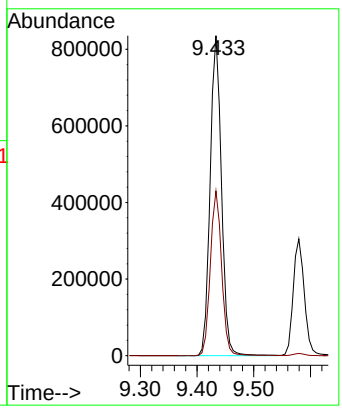
Tgt Ion: 43 Resp: 115665

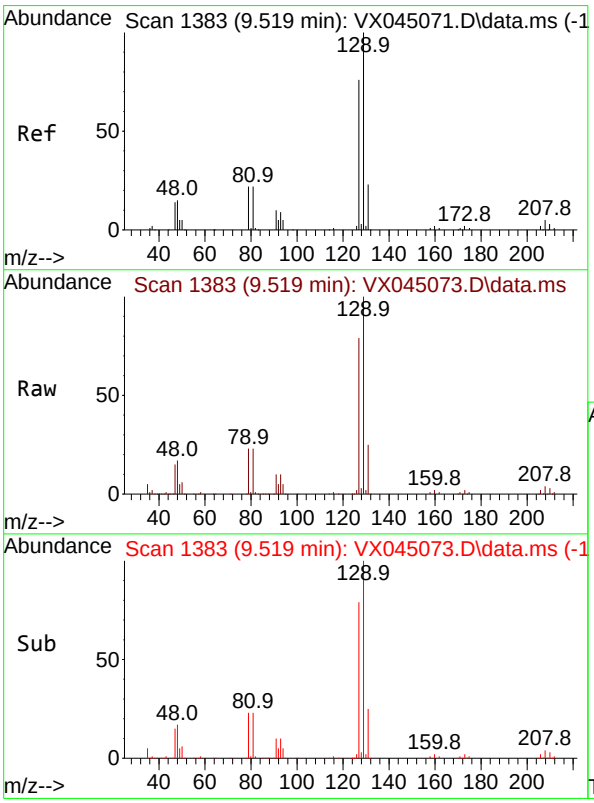
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

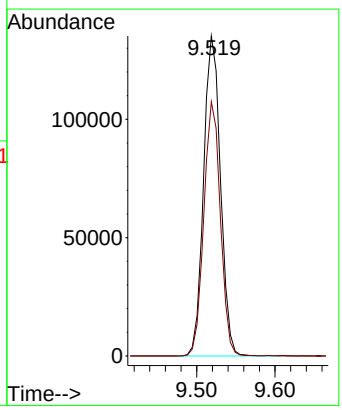


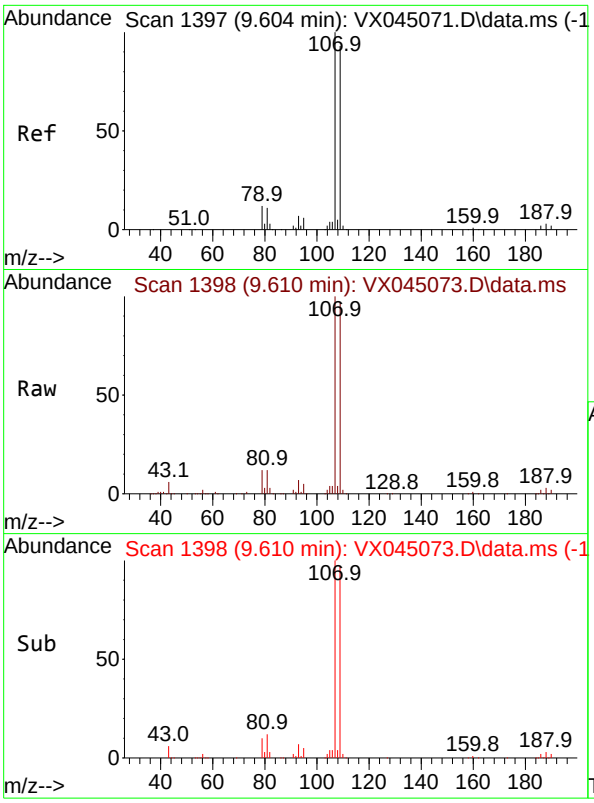


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

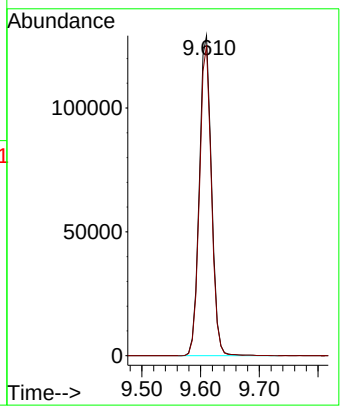




#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:107 Resp: 18582

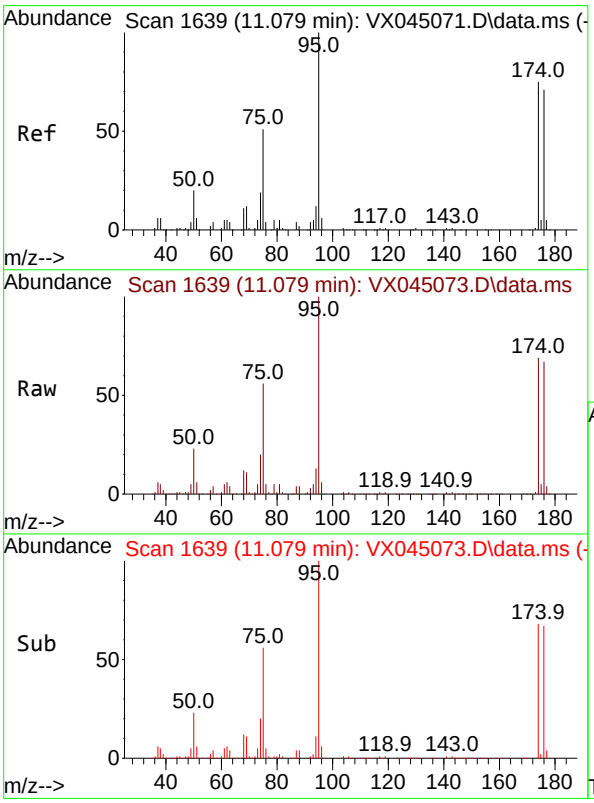
Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

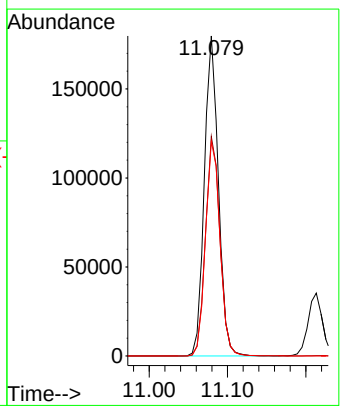
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

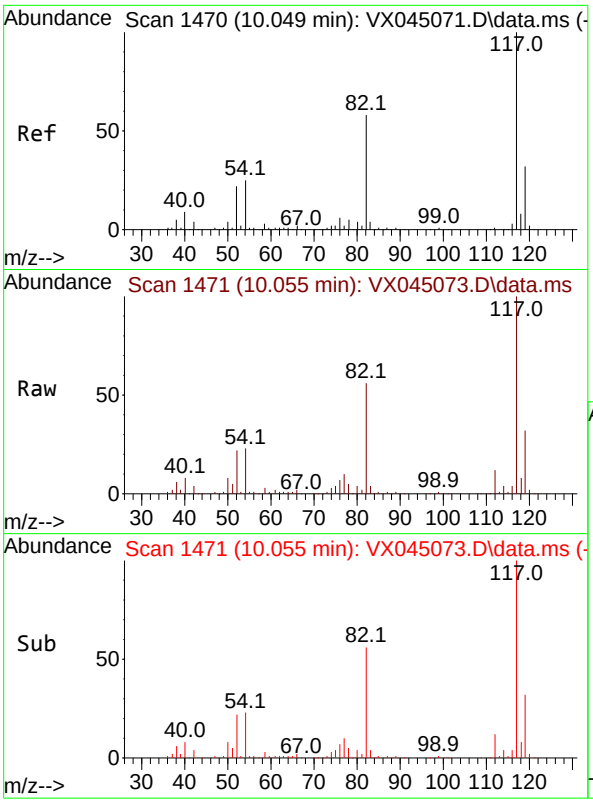


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4

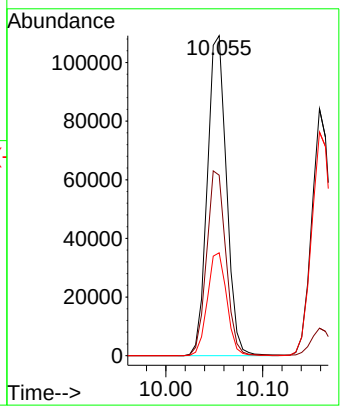




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

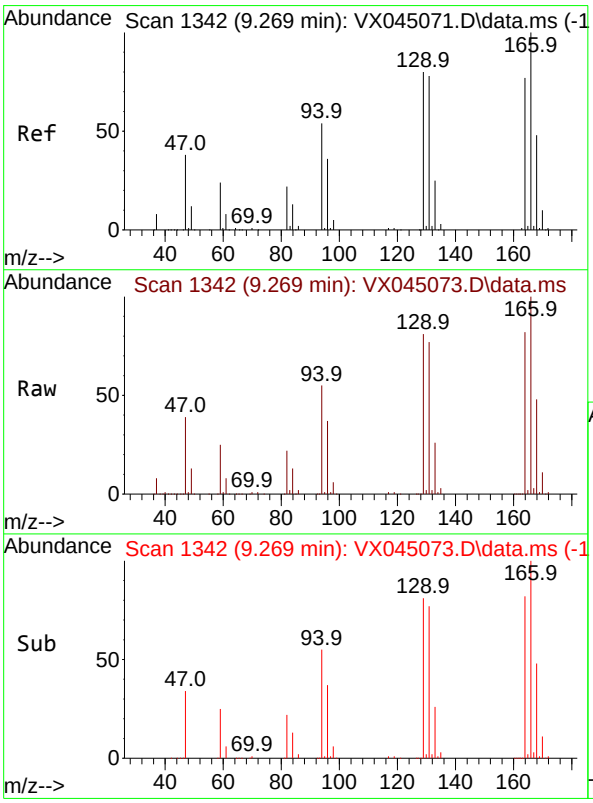
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

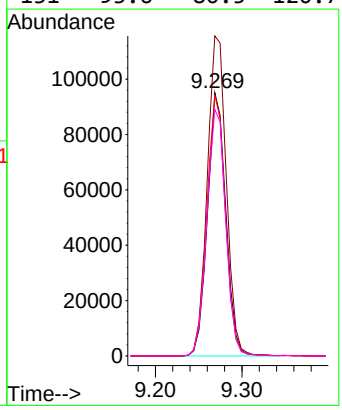
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

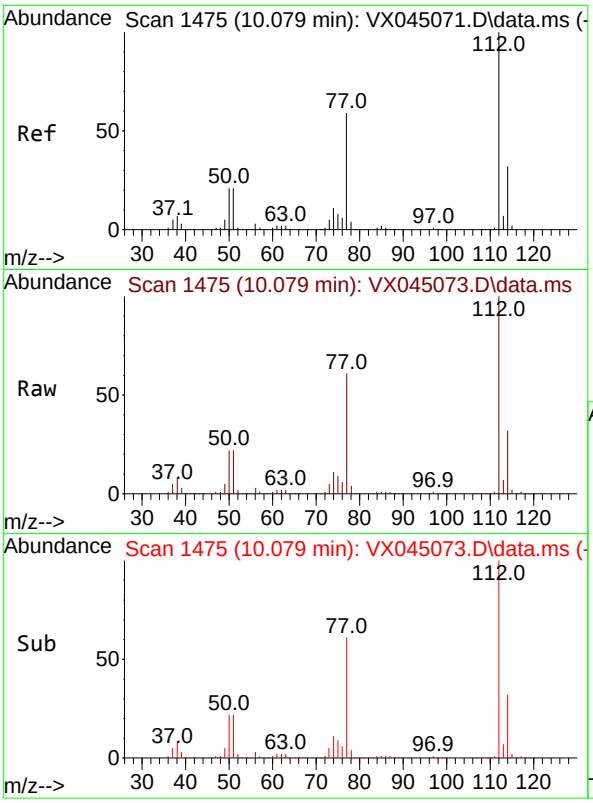


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7





#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

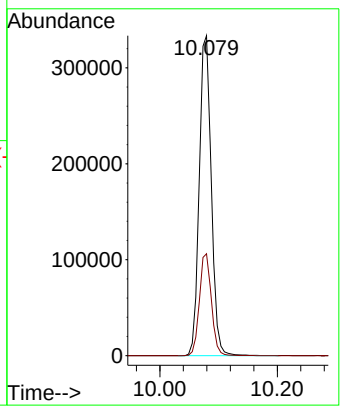
Tgt Ion:112 Resp: 47211

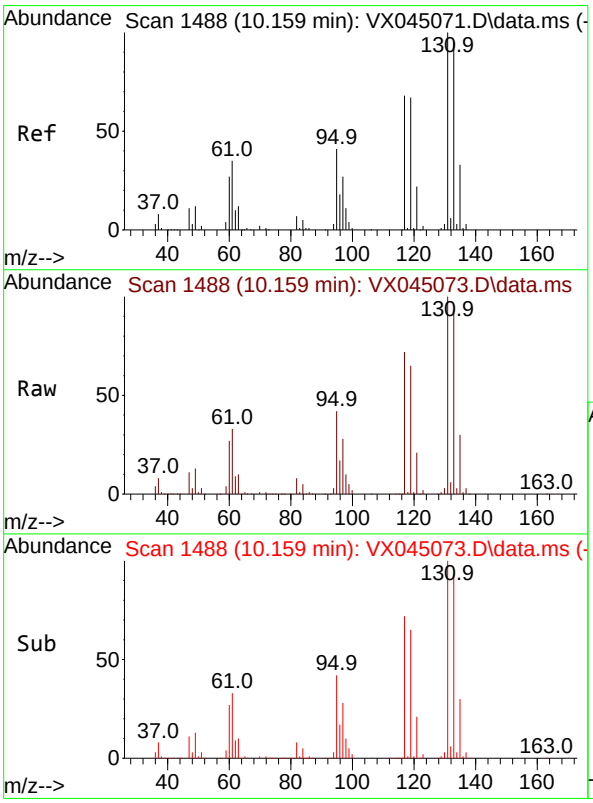
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

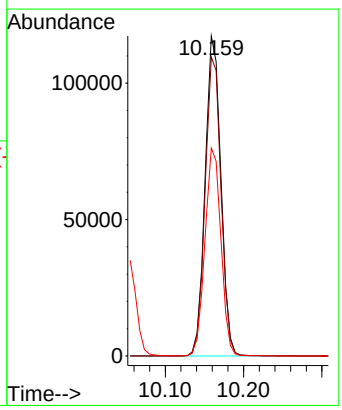


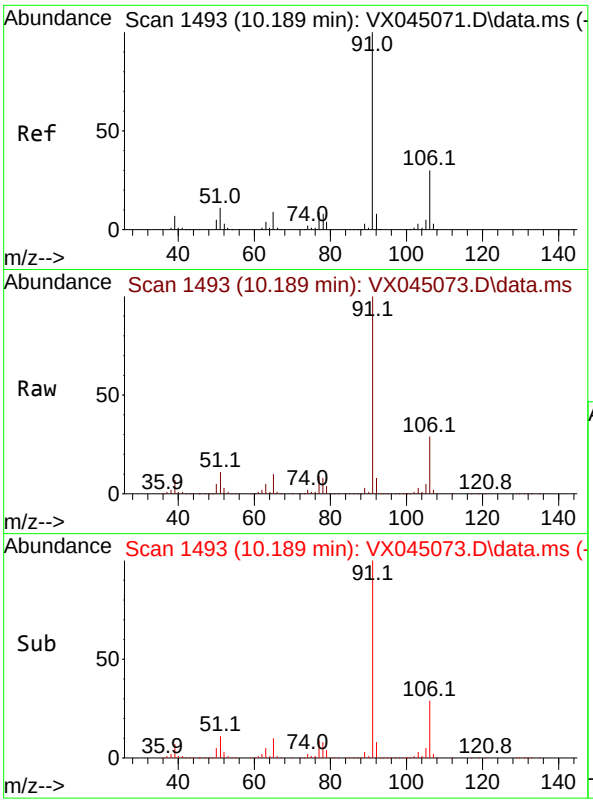


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7

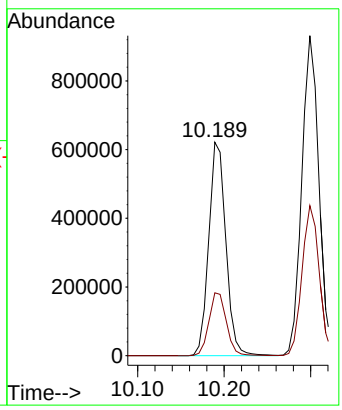




#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 85257

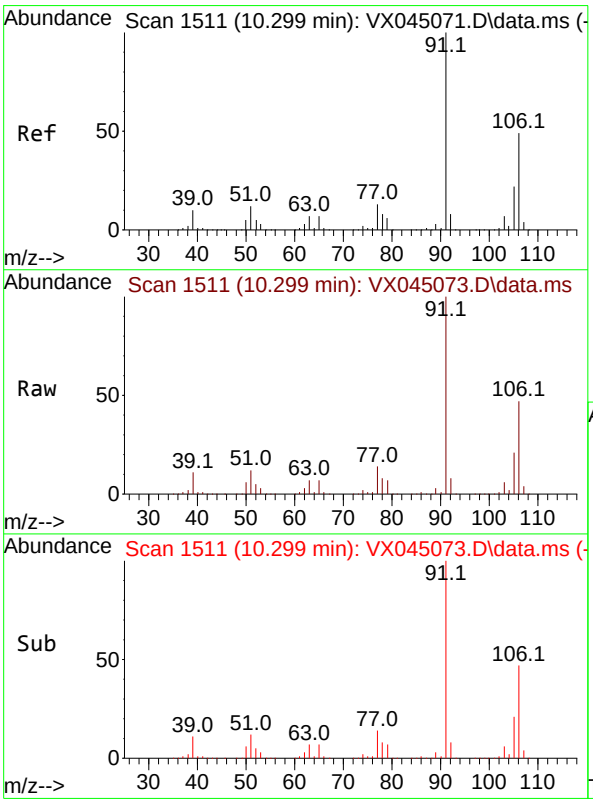
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

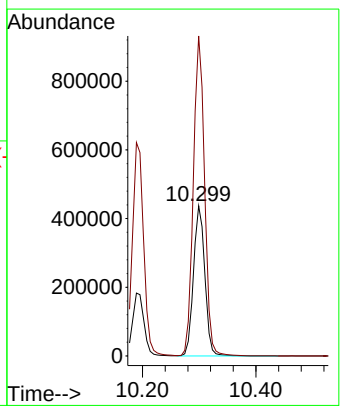
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

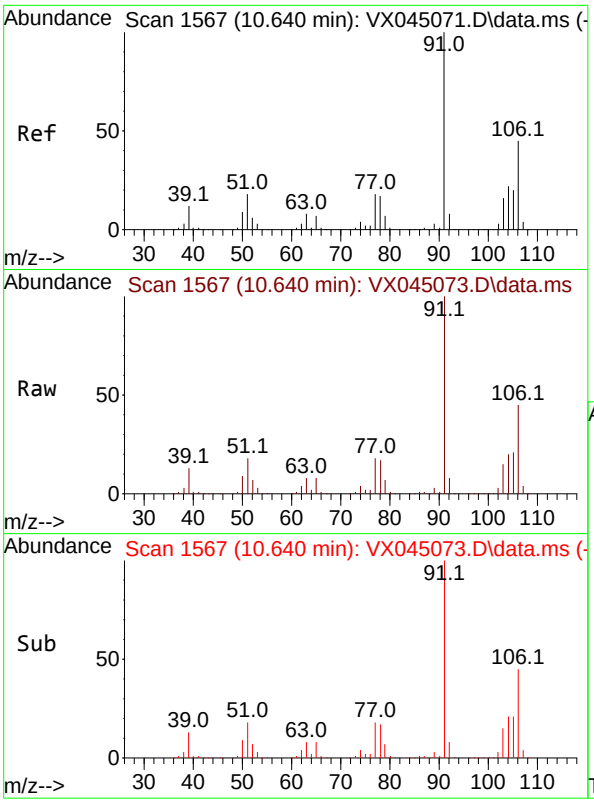


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

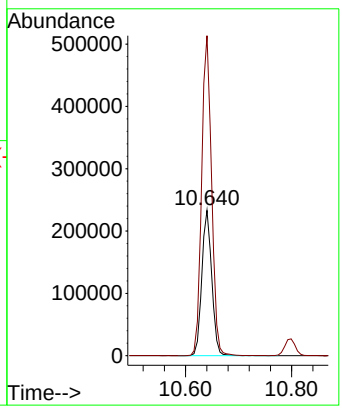




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 30249

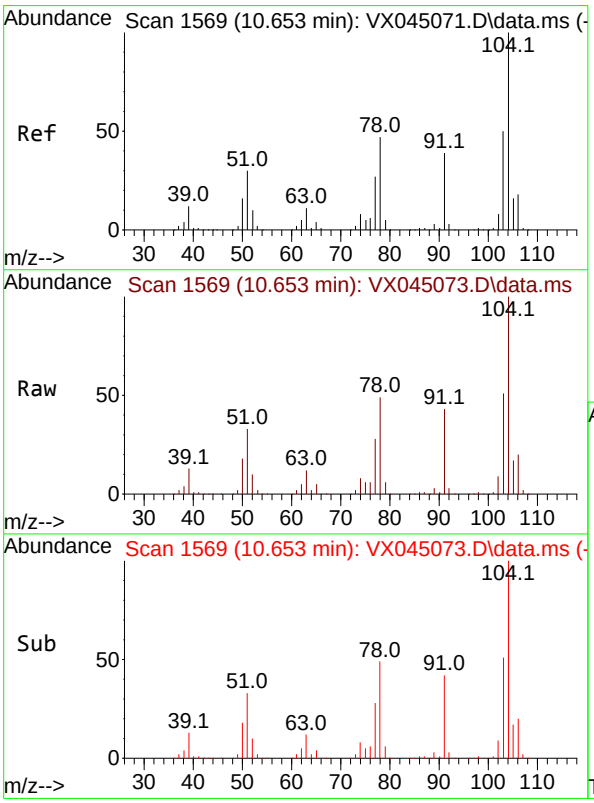
Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

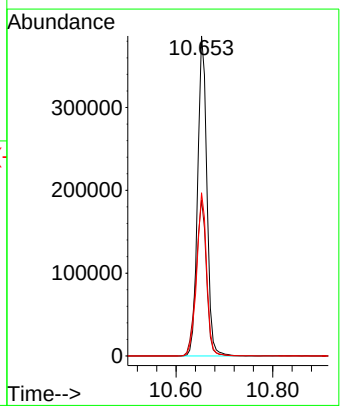
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

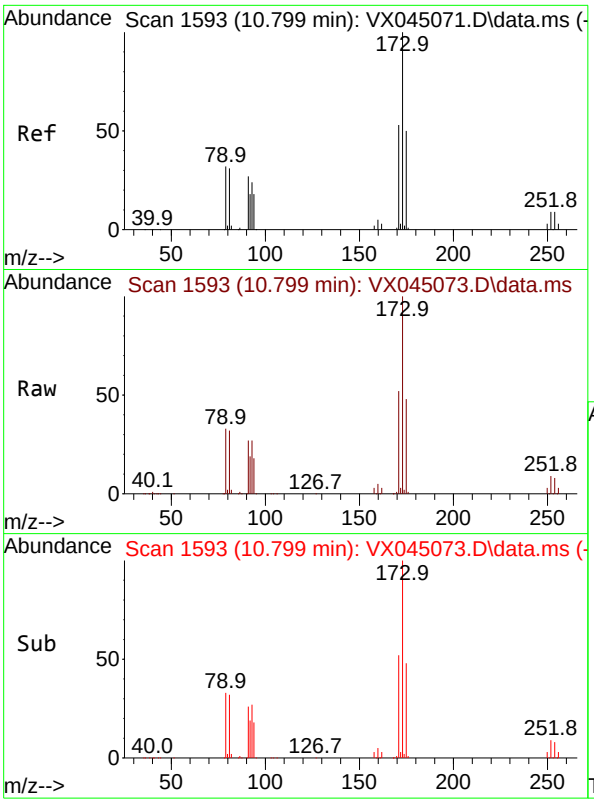


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8

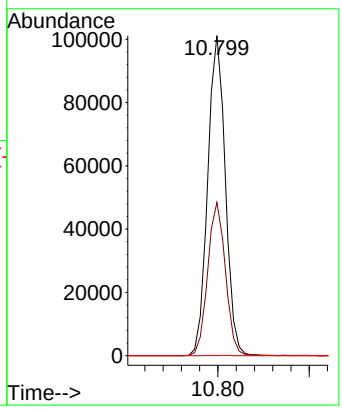




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

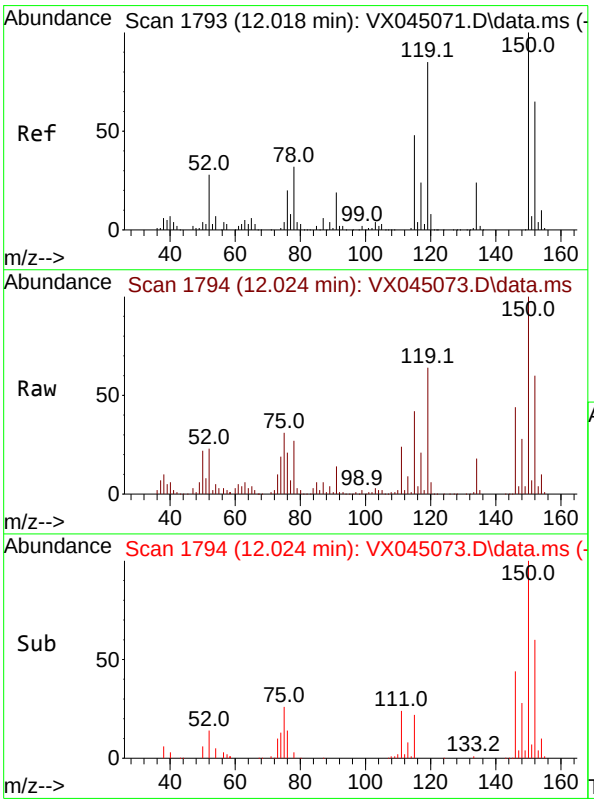
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

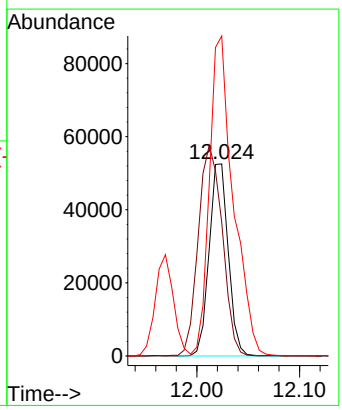
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

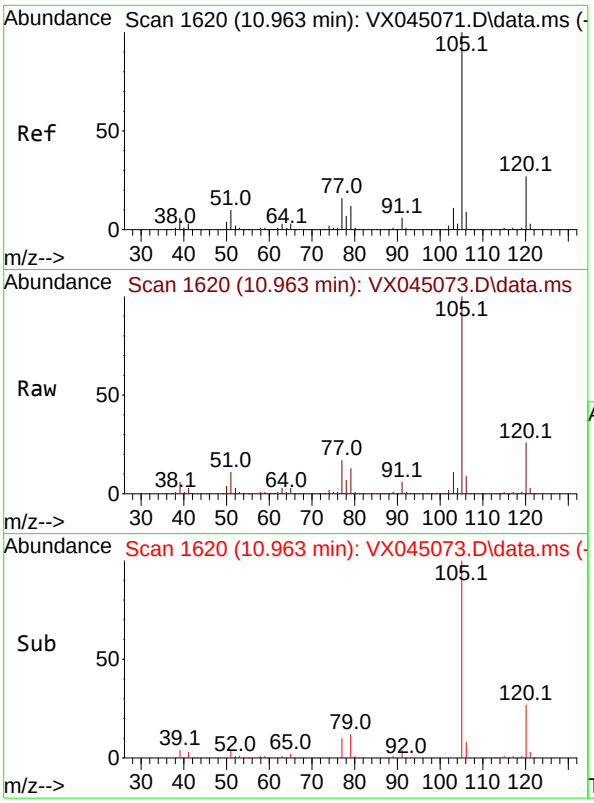


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0

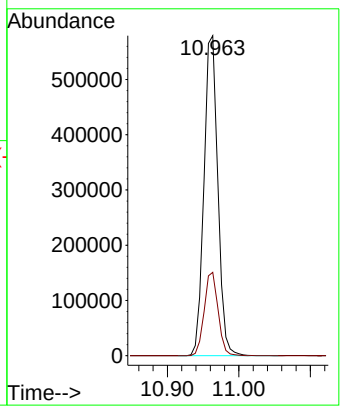




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

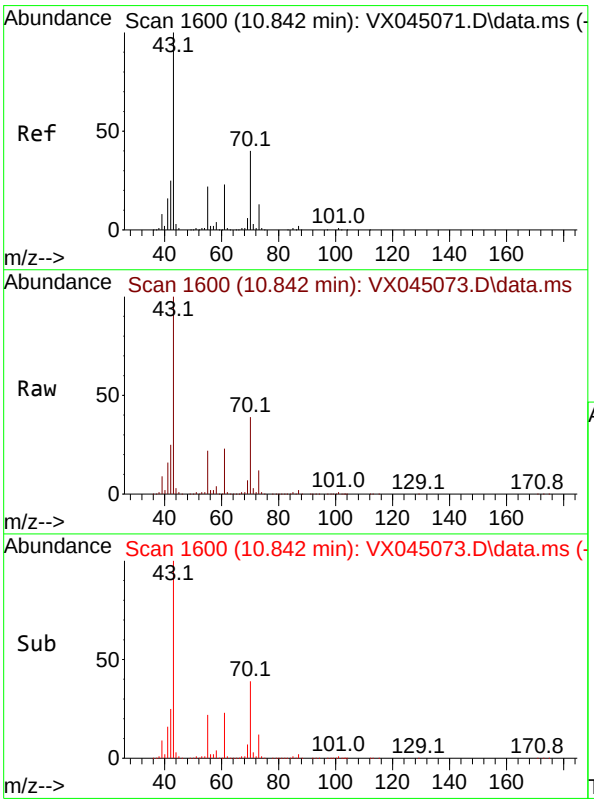
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

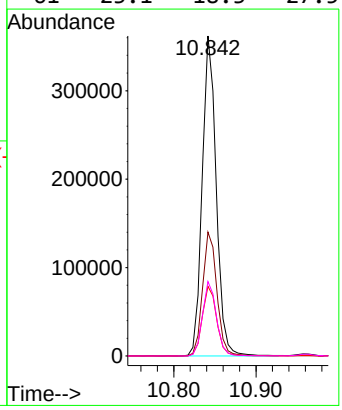
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

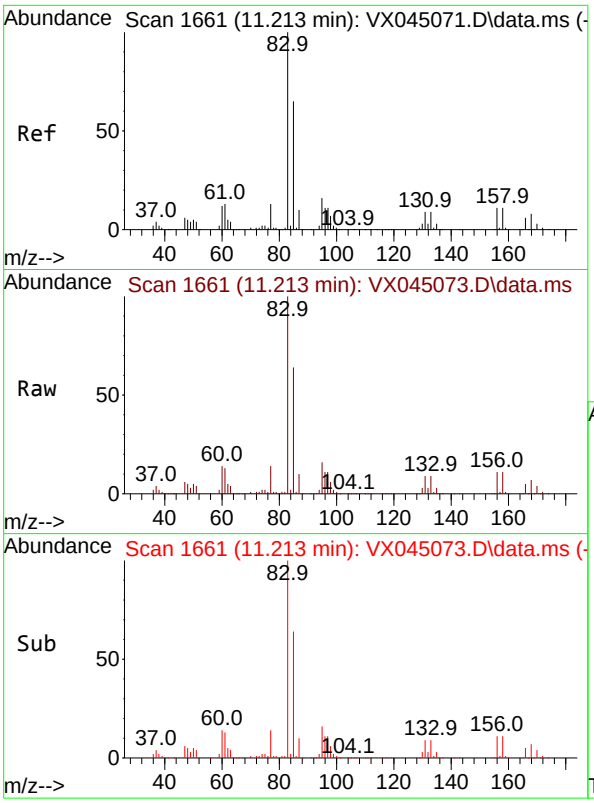


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5

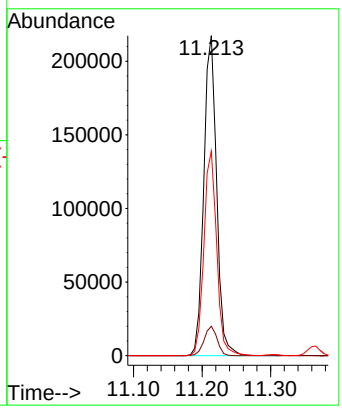




#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28355

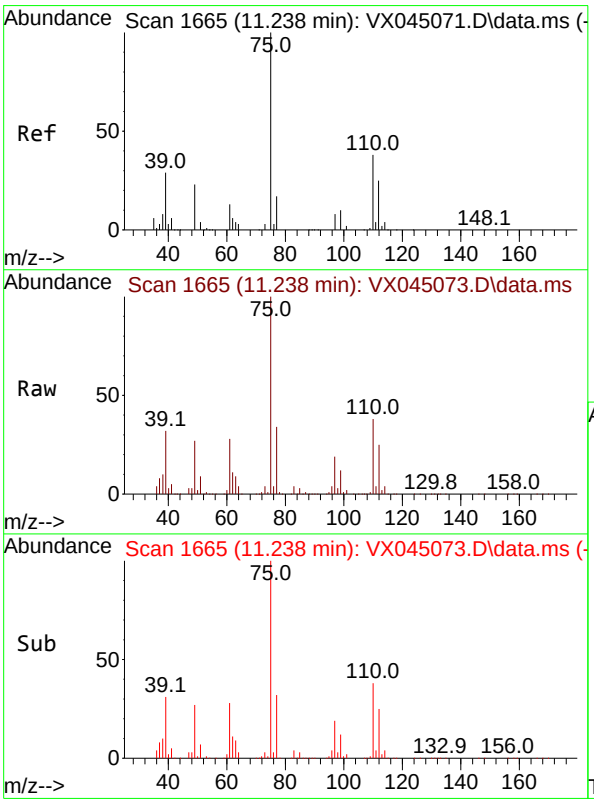
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

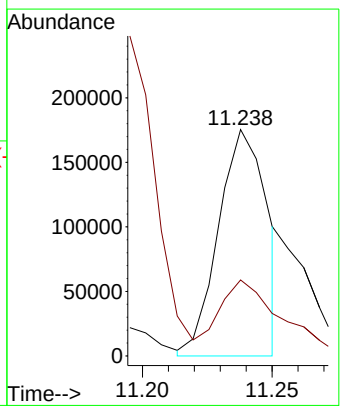
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

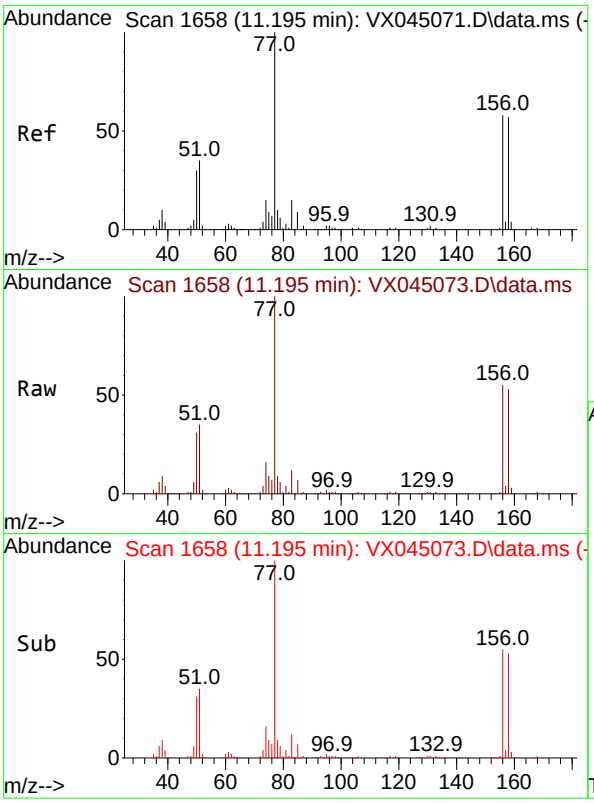


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 229435

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.7	62.1

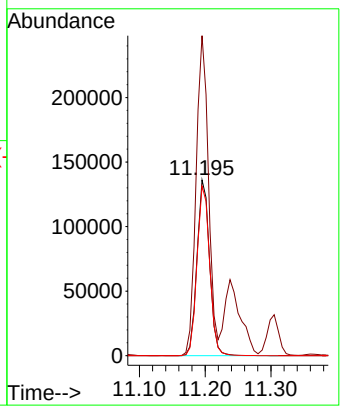




#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:156 Resp: 18099

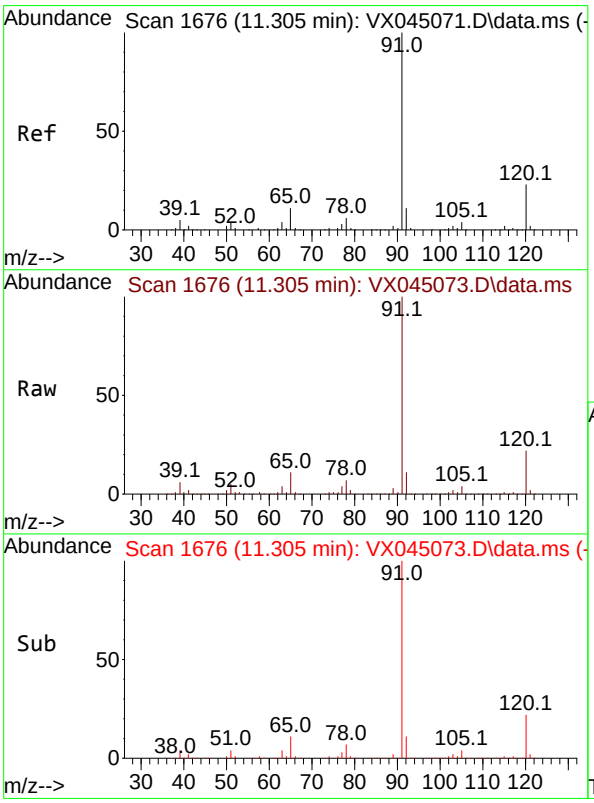
Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

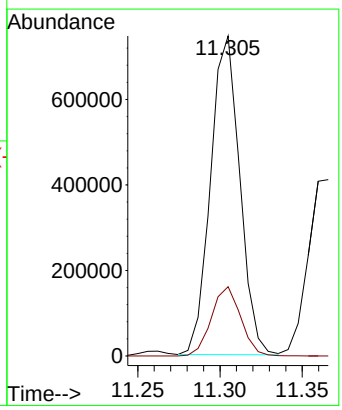
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

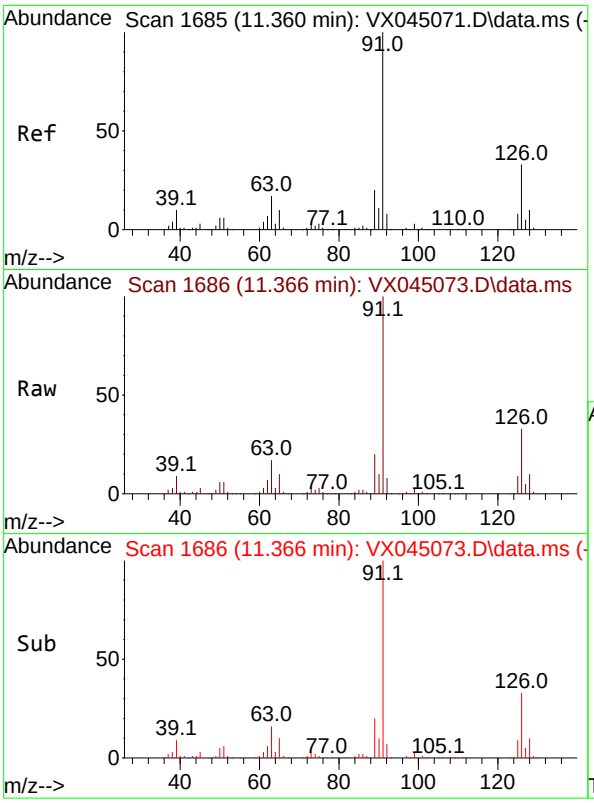


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

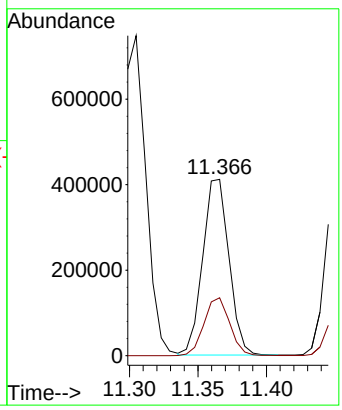




#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 54869

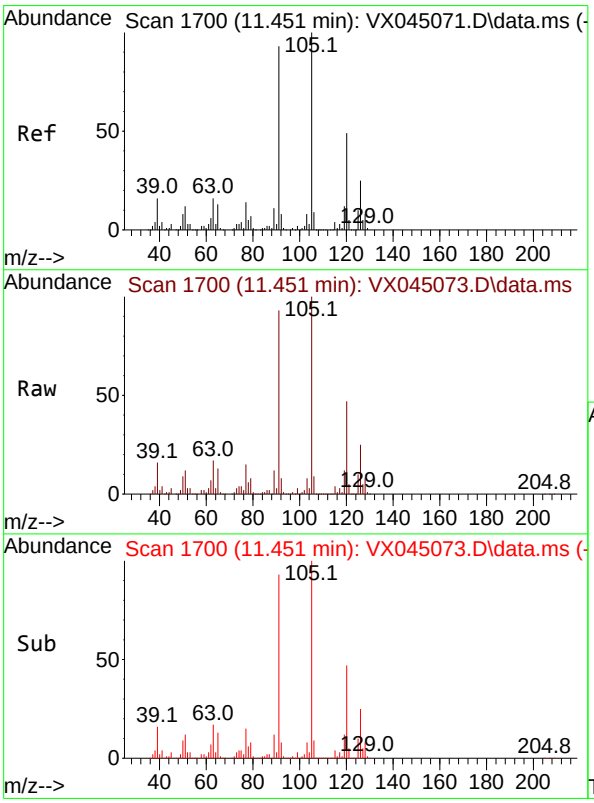
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

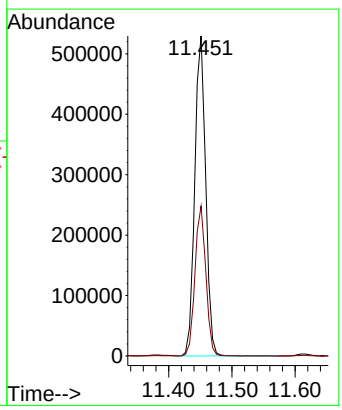
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

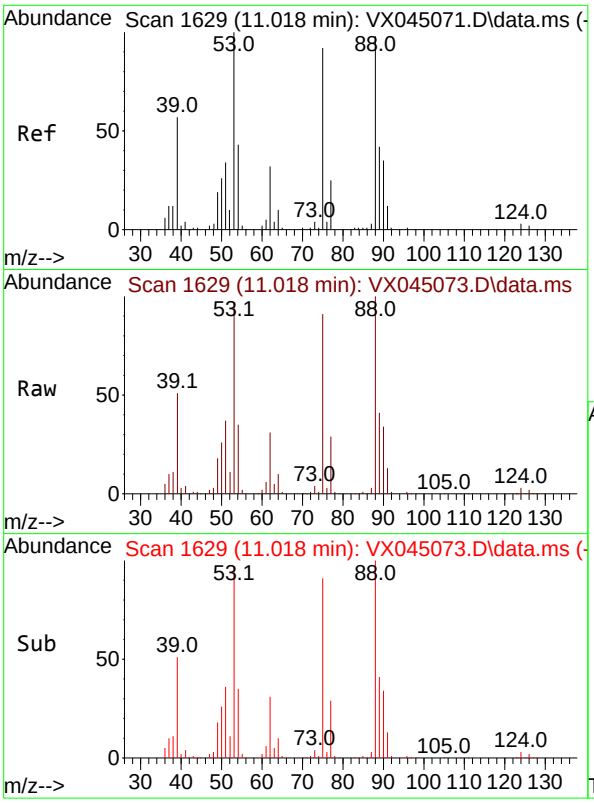


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2

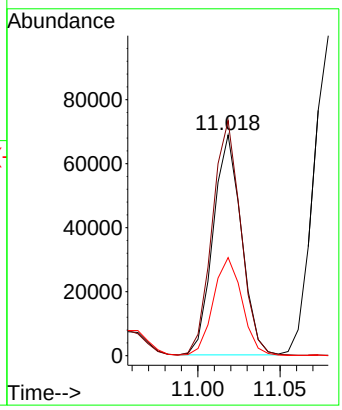




#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 8226

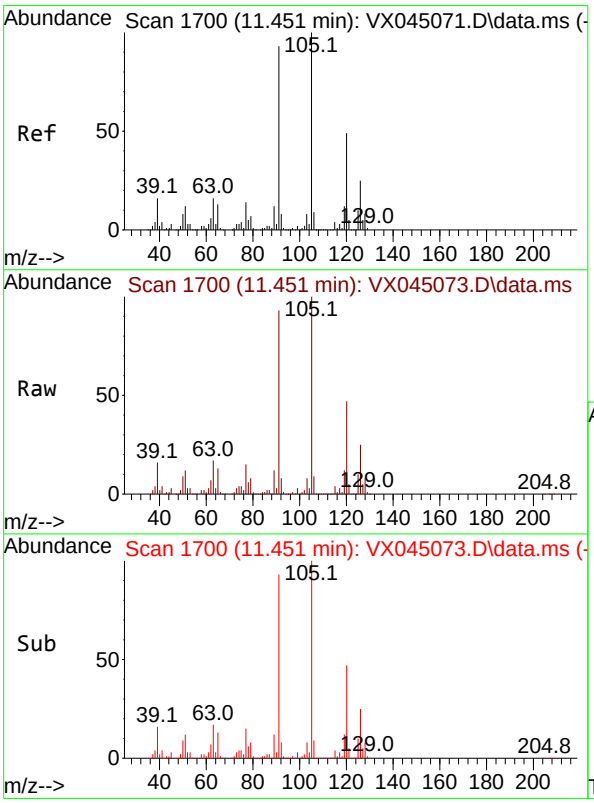
Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

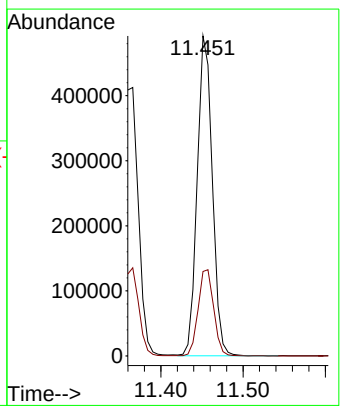
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

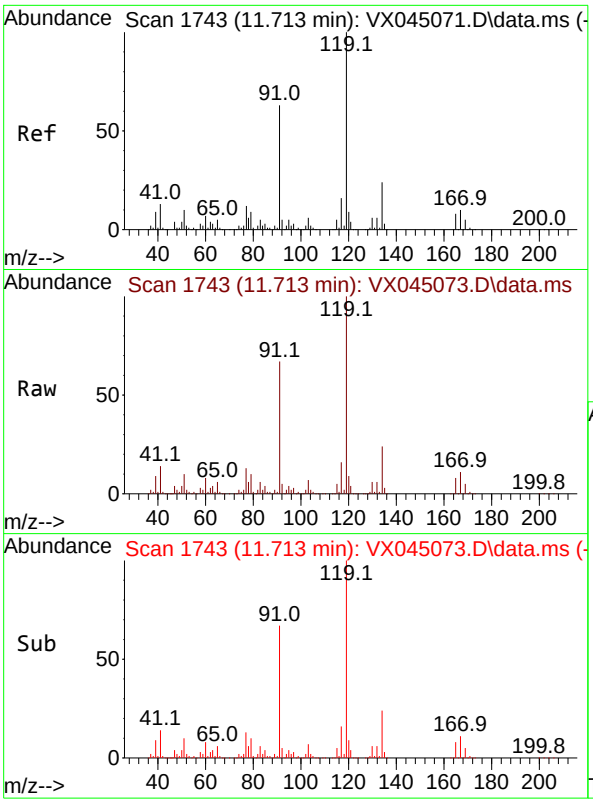


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

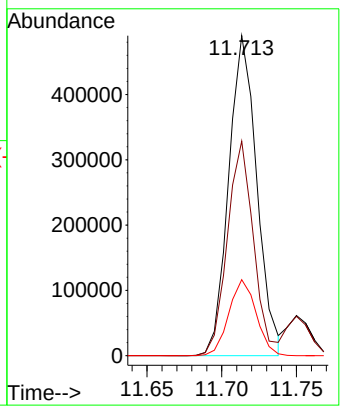




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

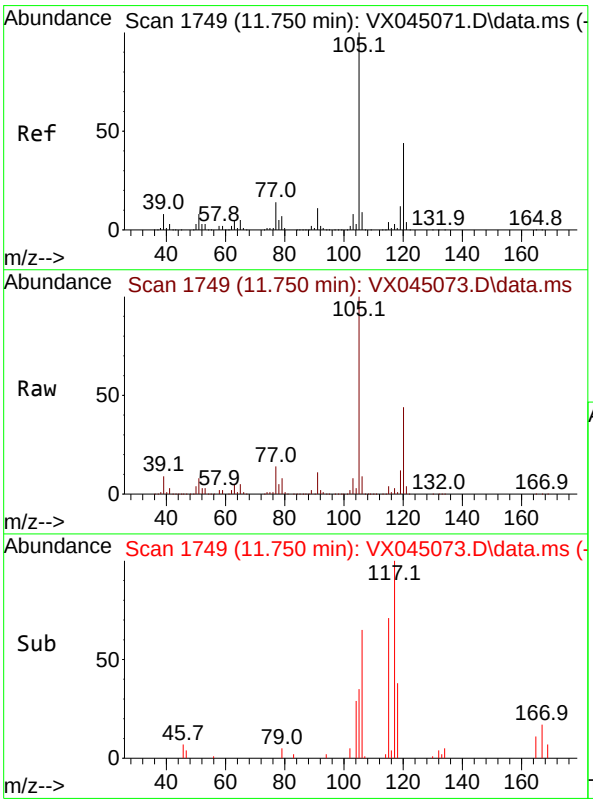
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

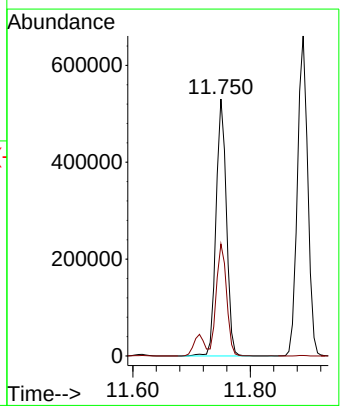
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

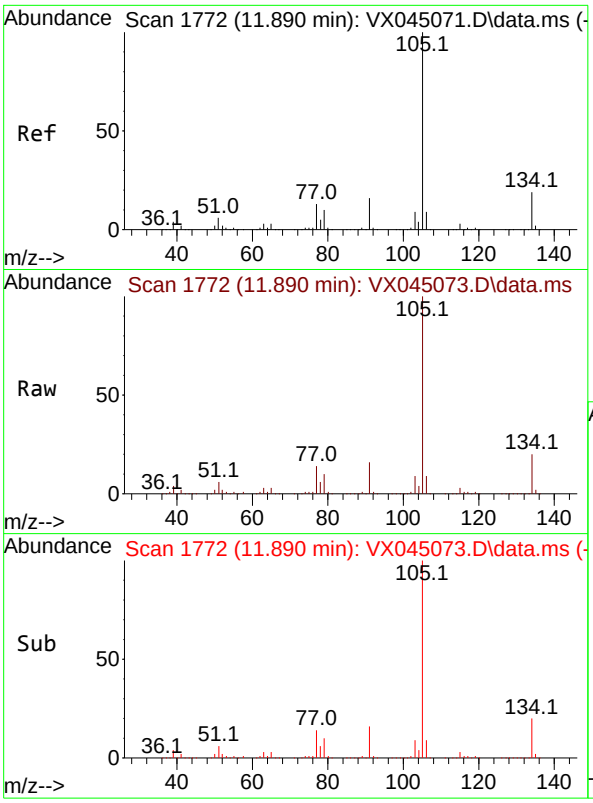


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

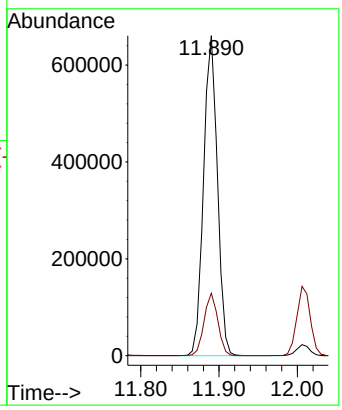
Tgt Ion:105 Resp: 80771

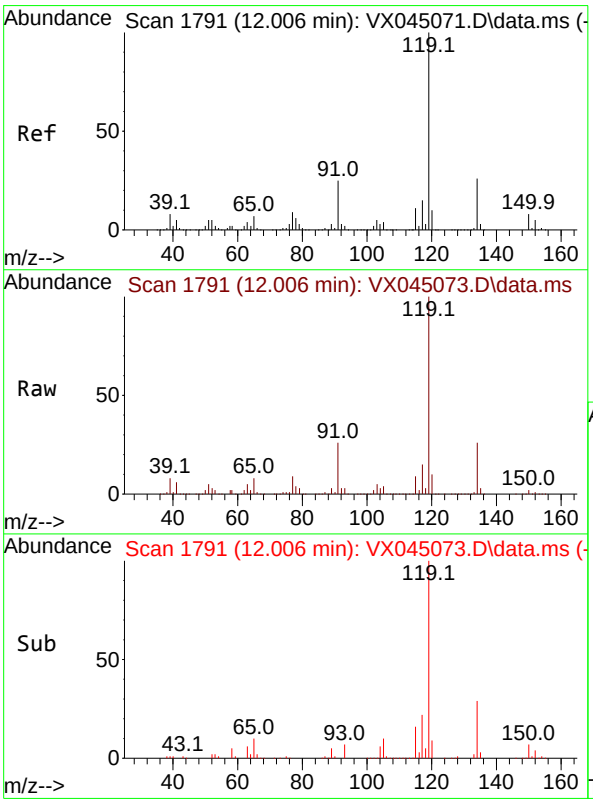
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

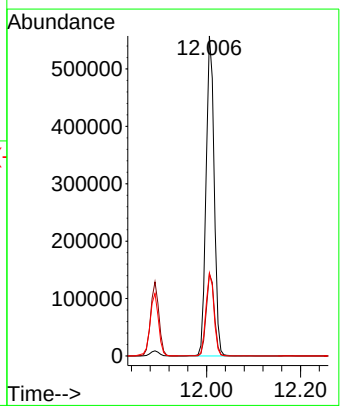


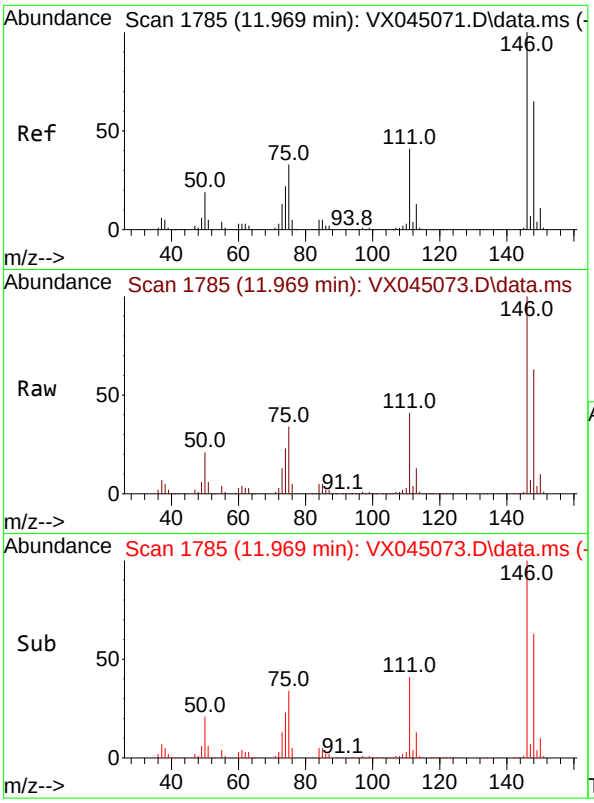


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0

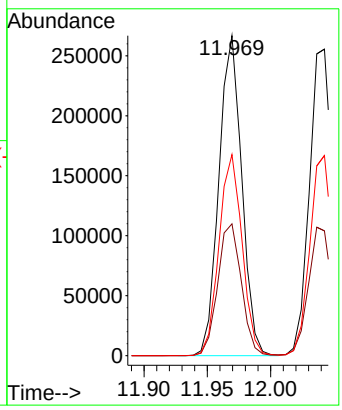




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

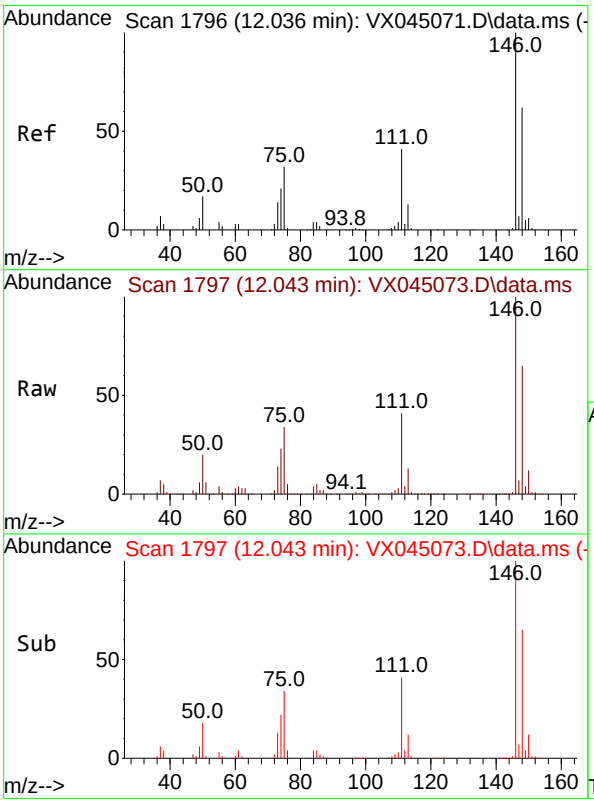
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

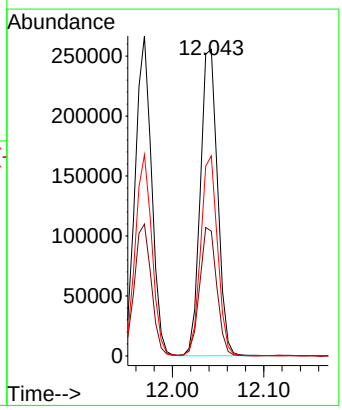
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

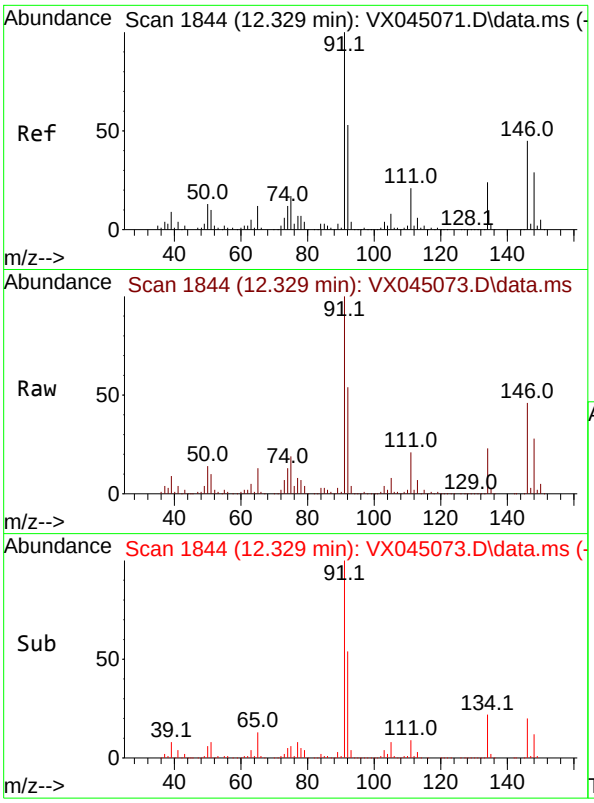


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9

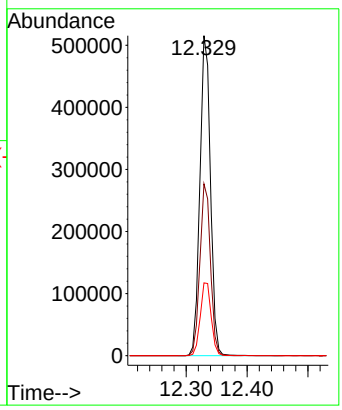




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

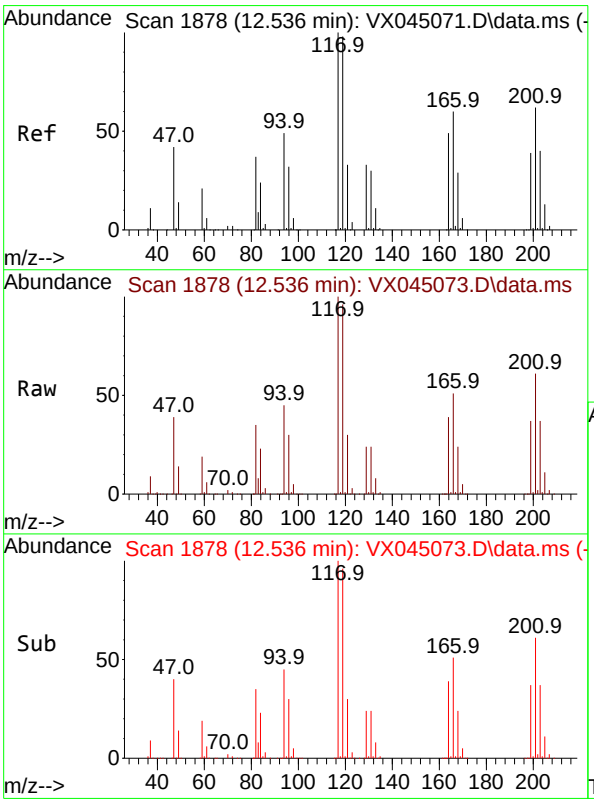
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

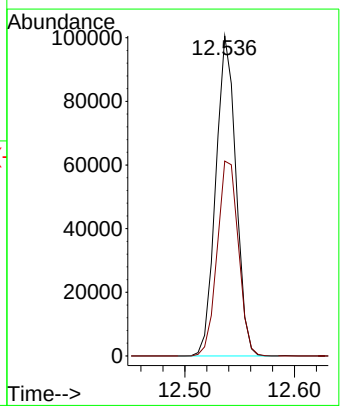
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

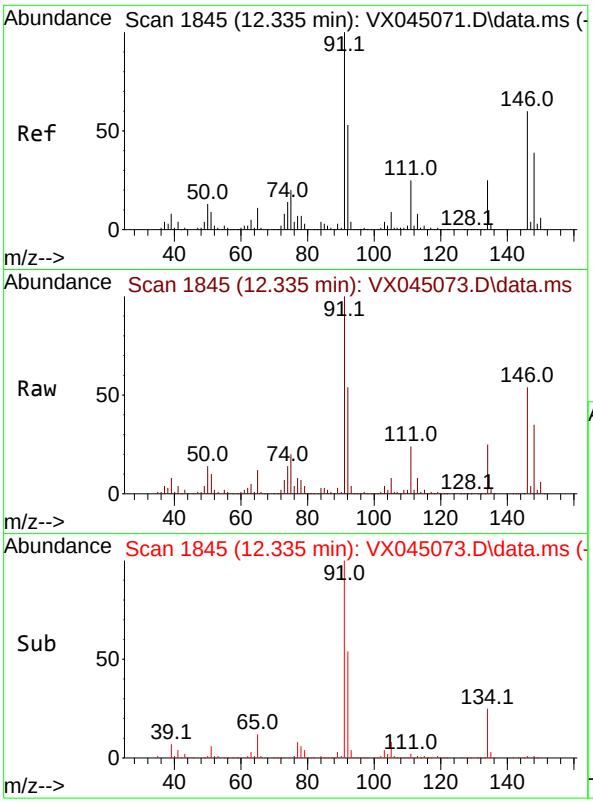


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

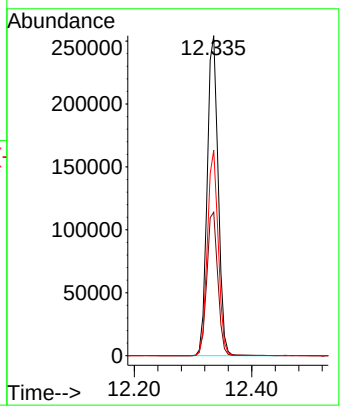




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

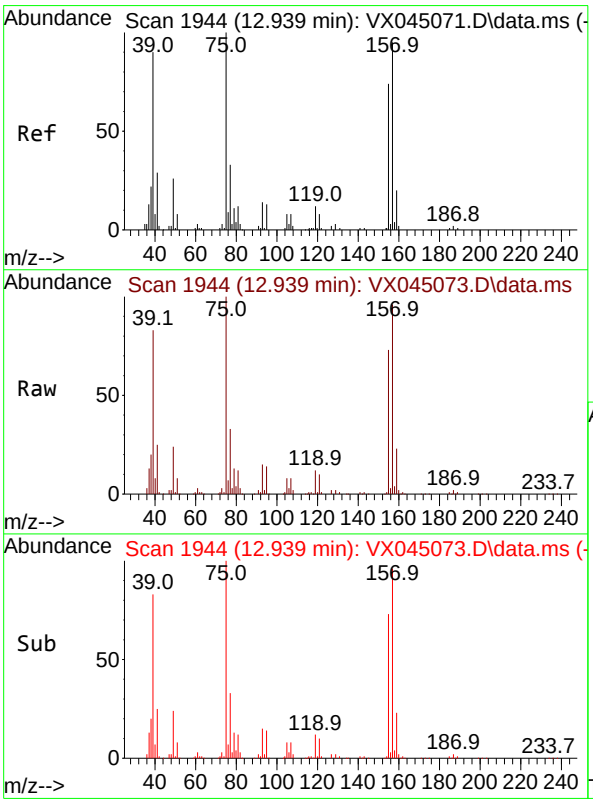
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

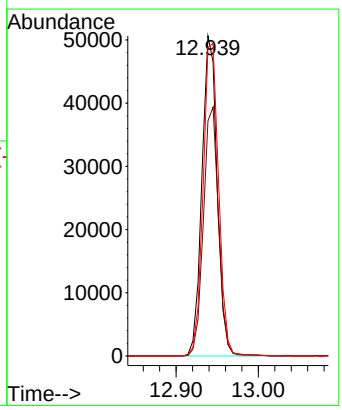
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

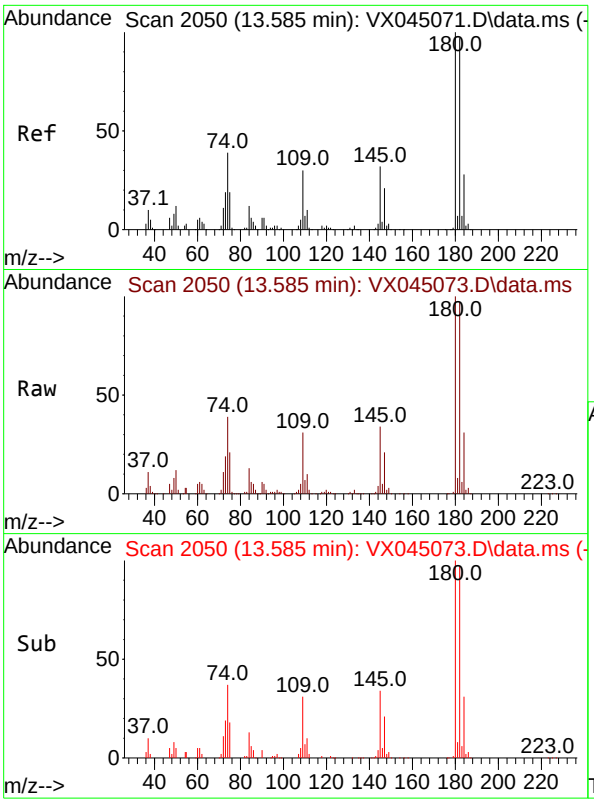


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4

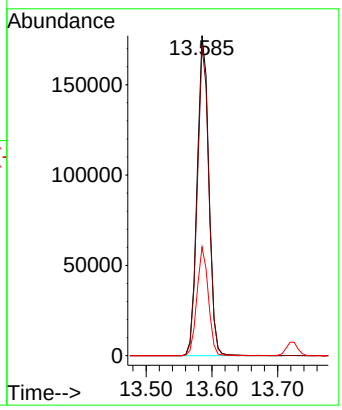




#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 21931

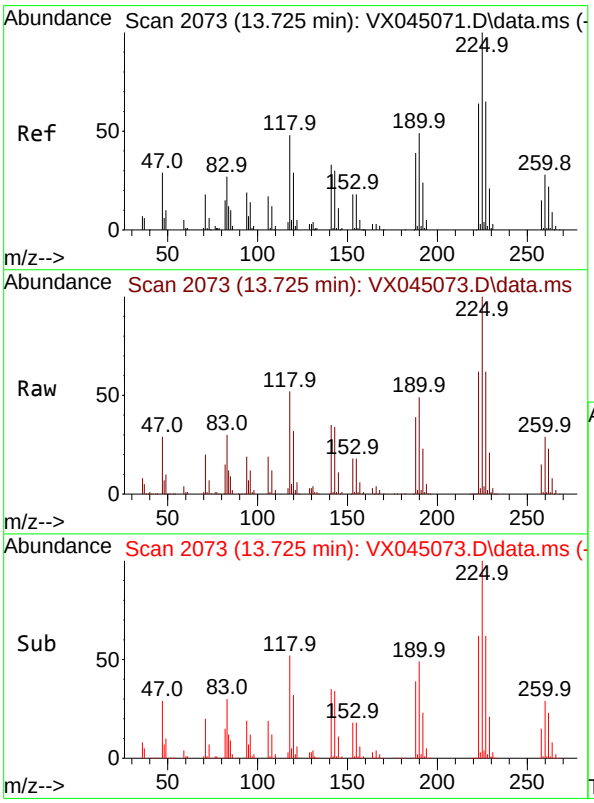
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

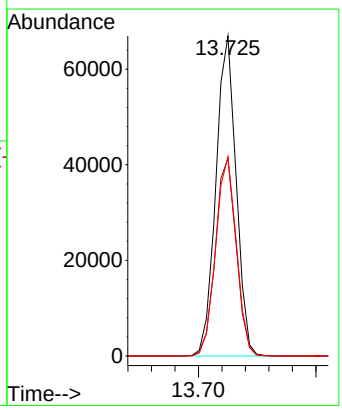
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

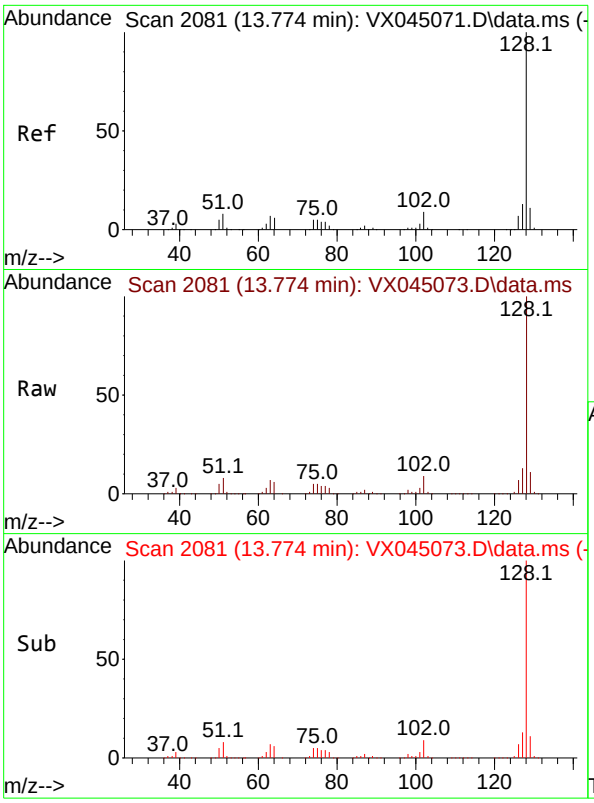


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0

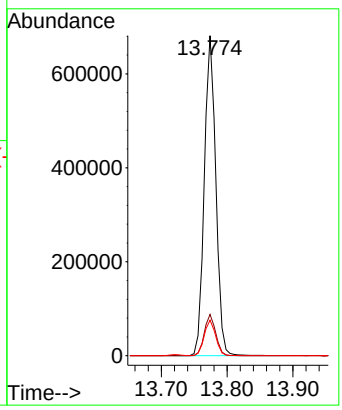




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 82894

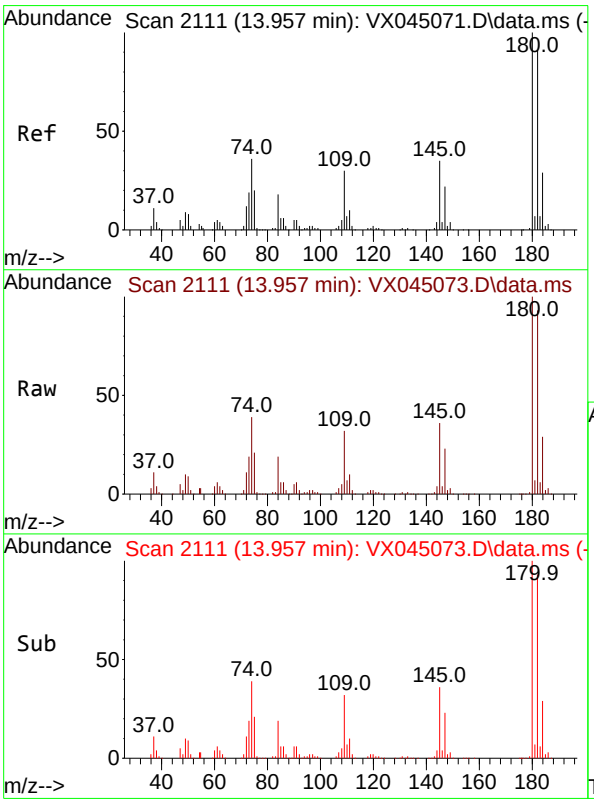
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

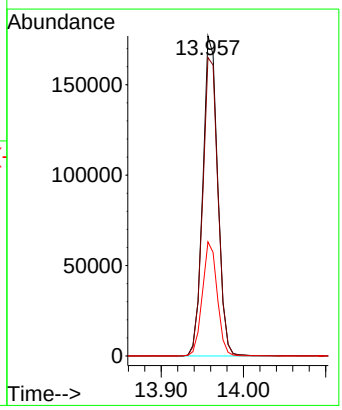
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l		
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

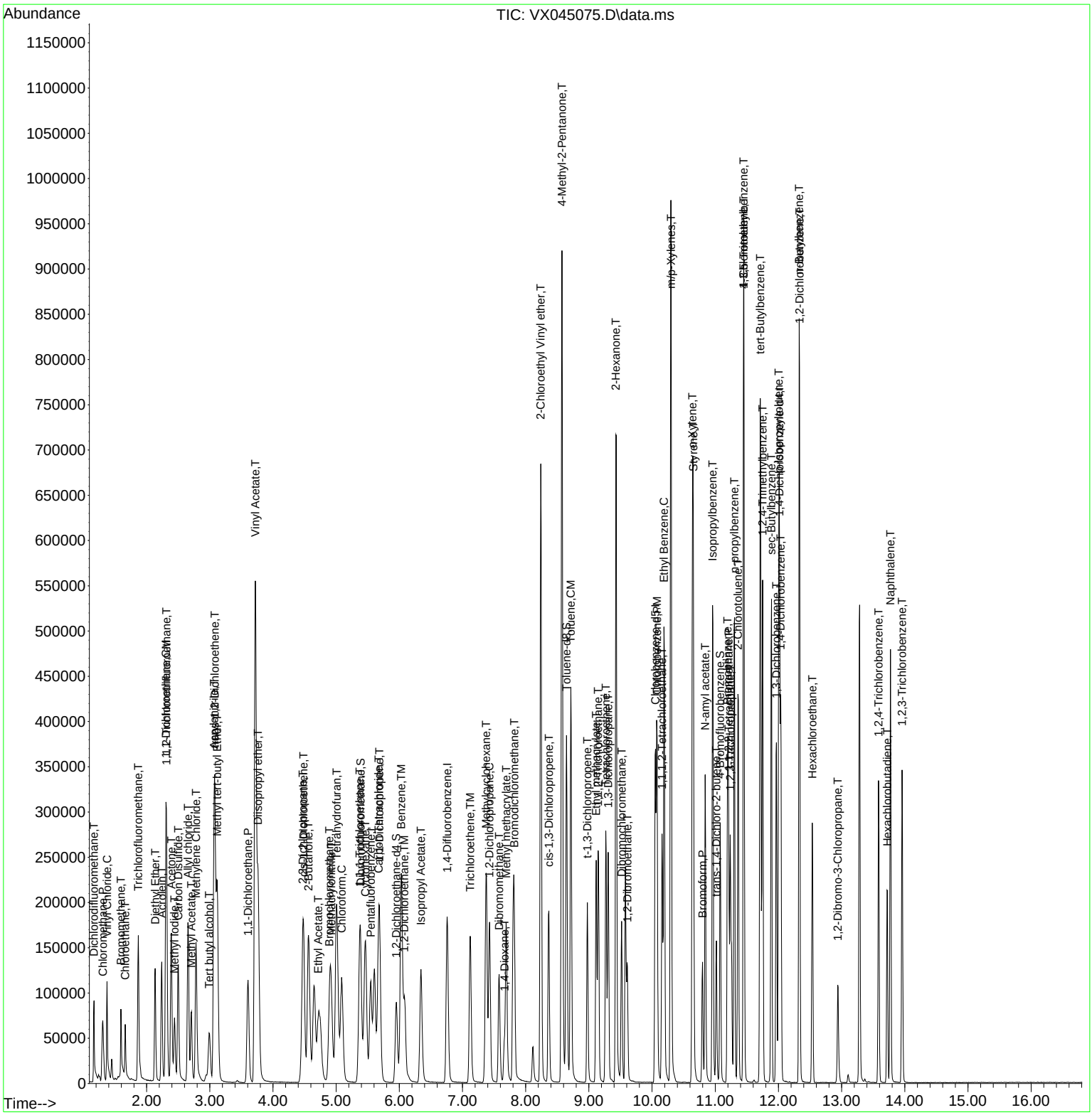
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

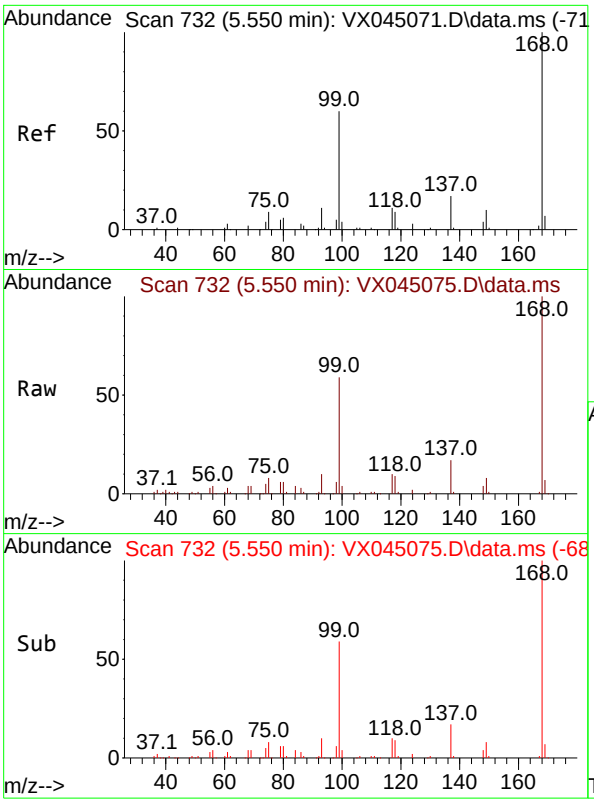
Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

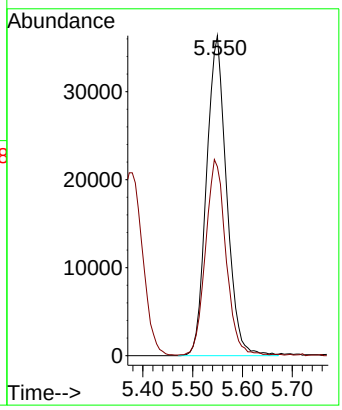




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

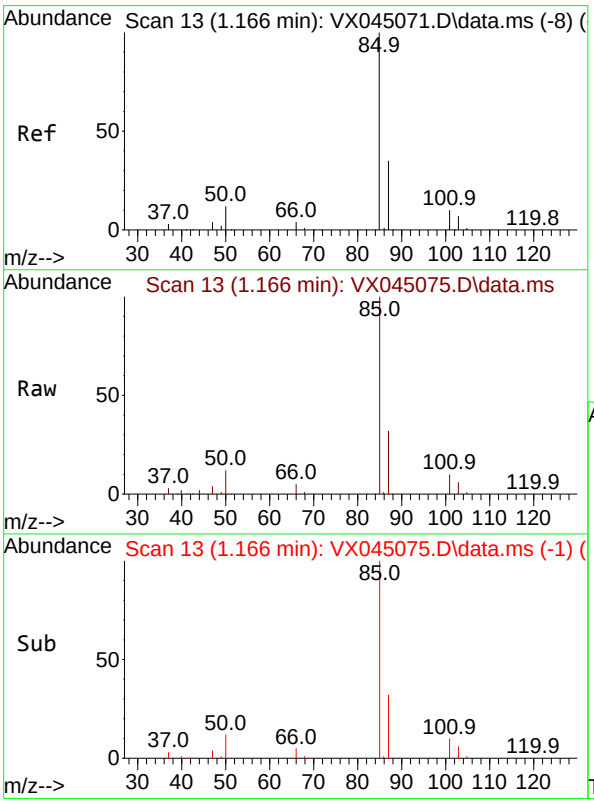
Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

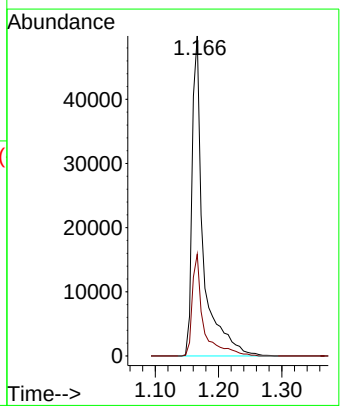
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

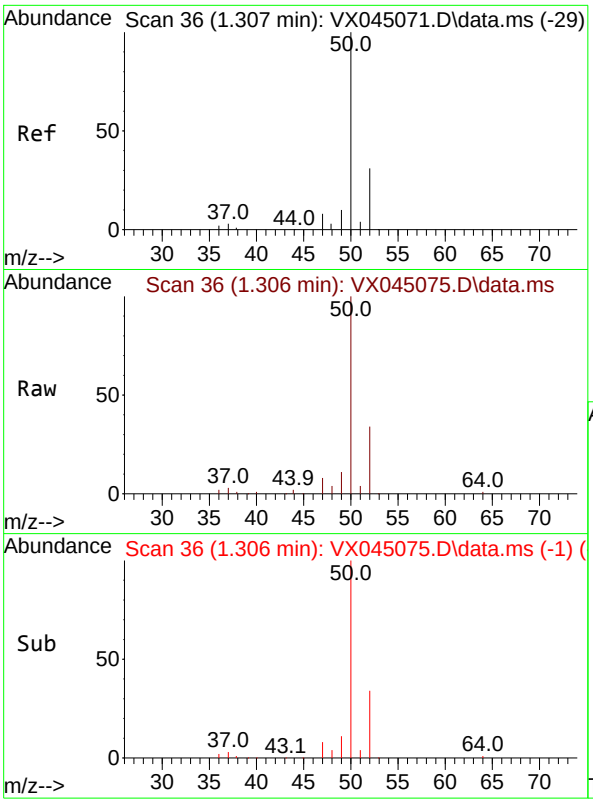


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

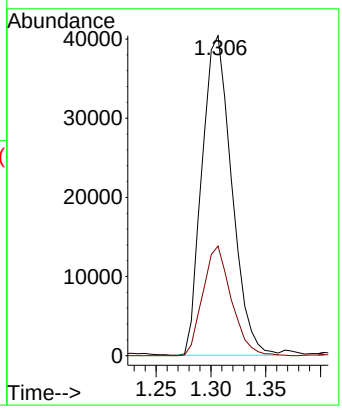




#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 50 Resp: 7621(

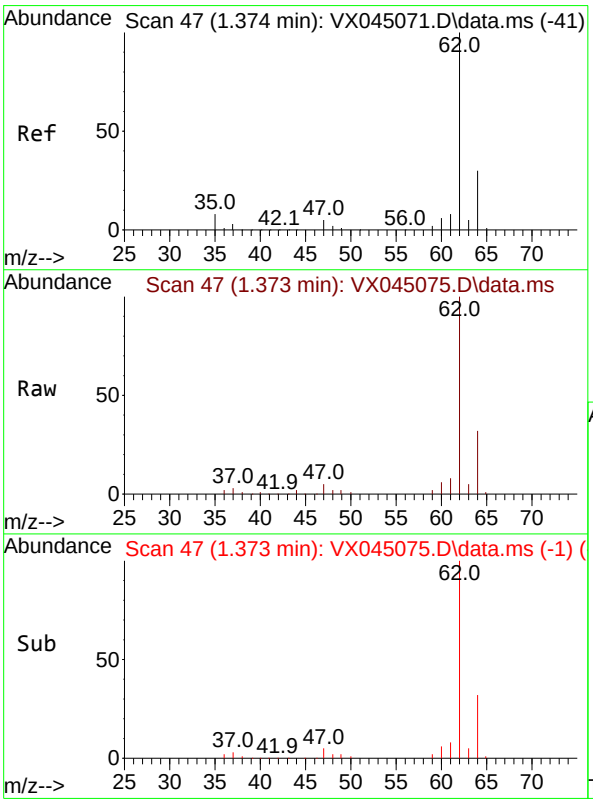
Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

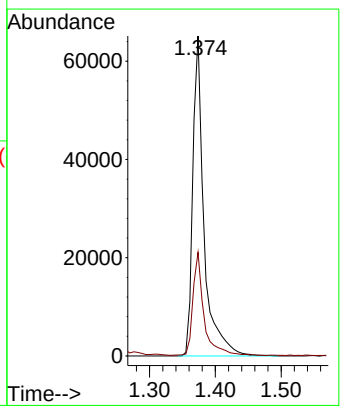
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

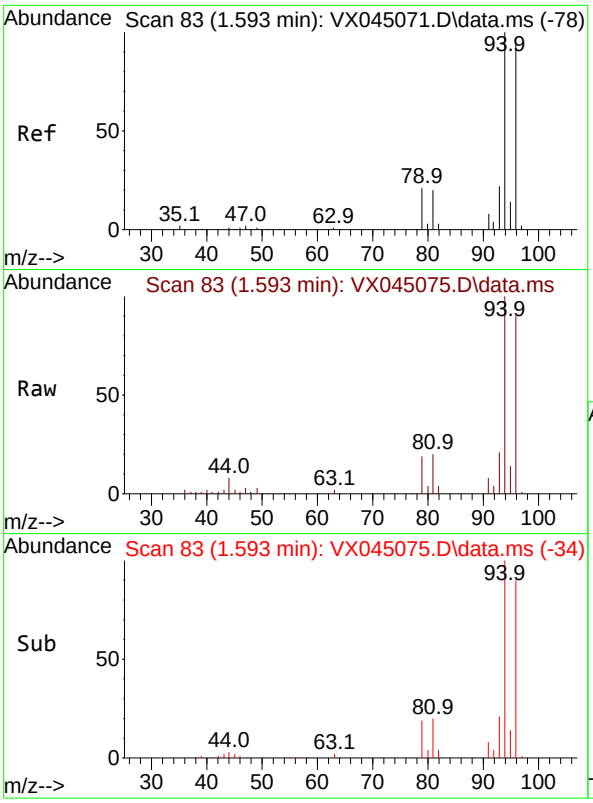


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

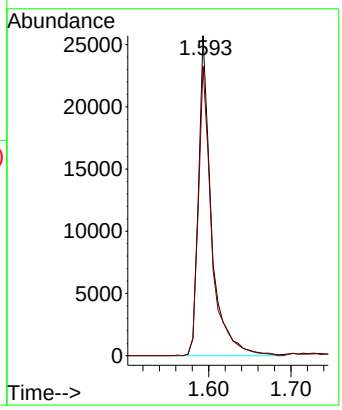




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

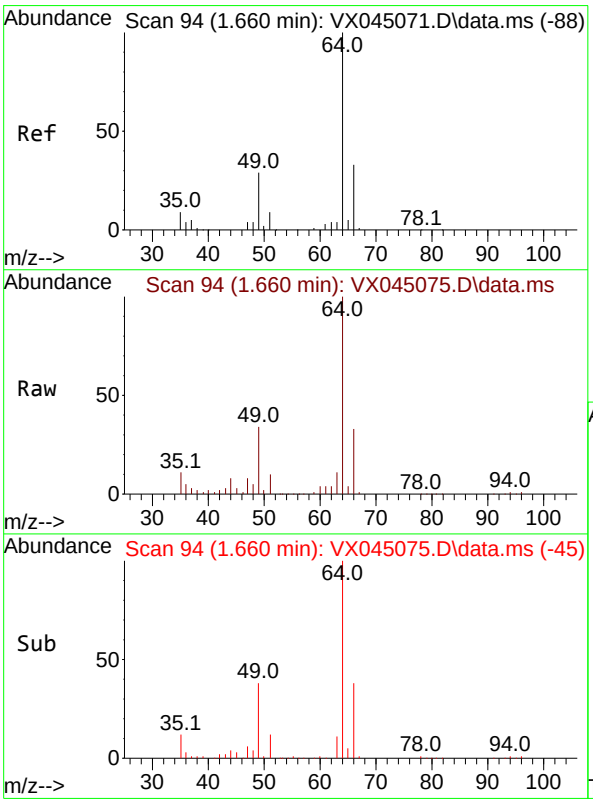
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

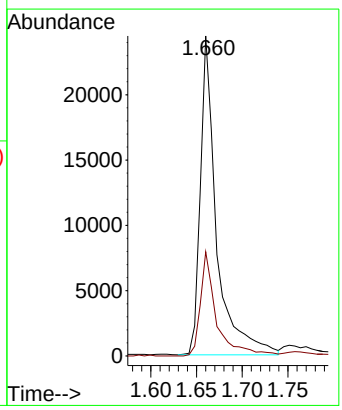
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

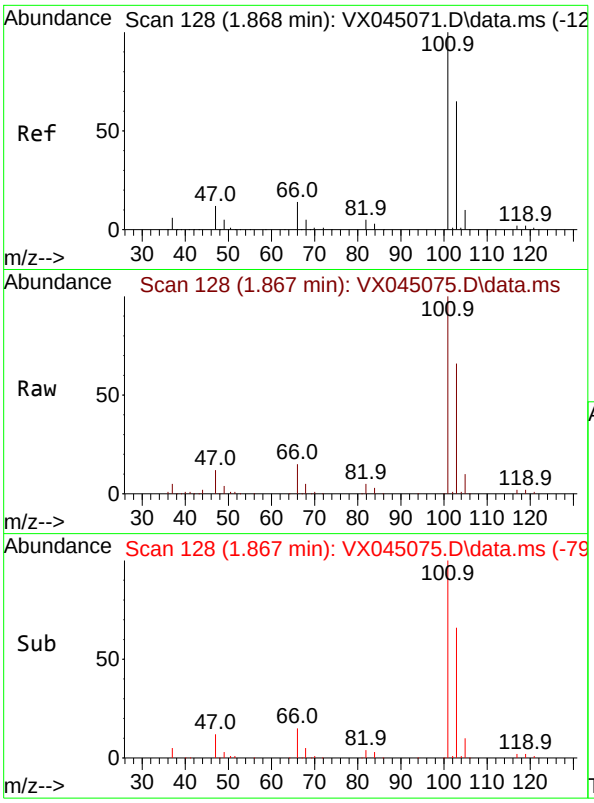


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

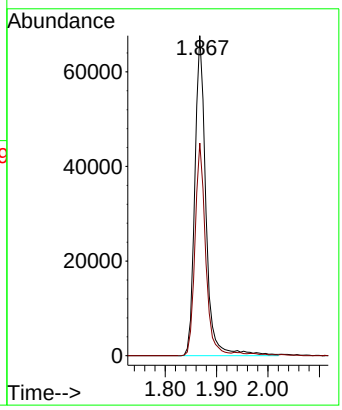




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

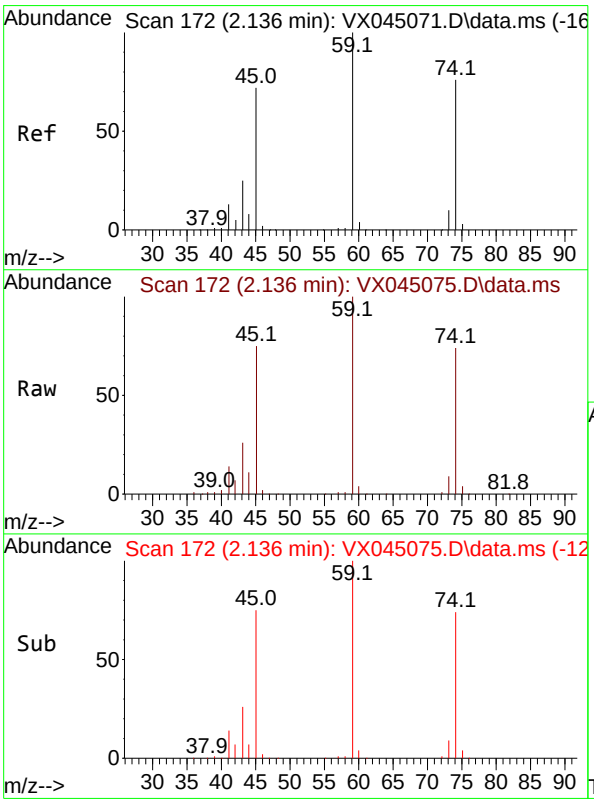
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

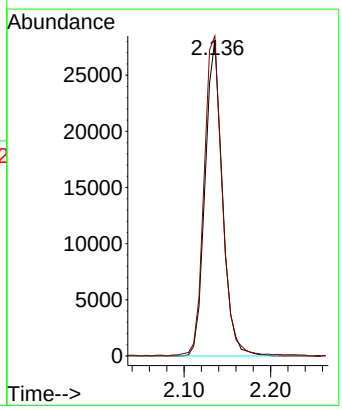
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

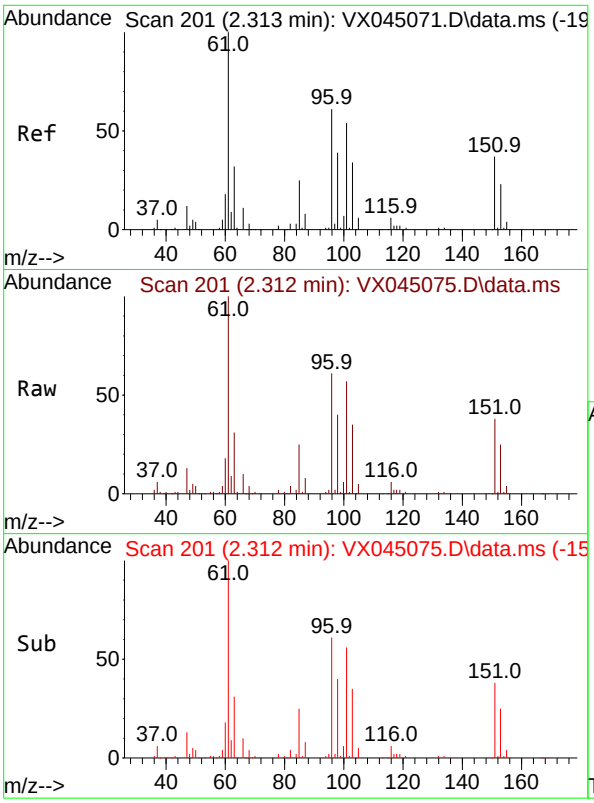


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

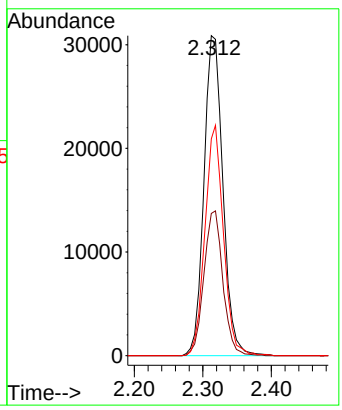
Tgt Ion:101 Resp: 5947

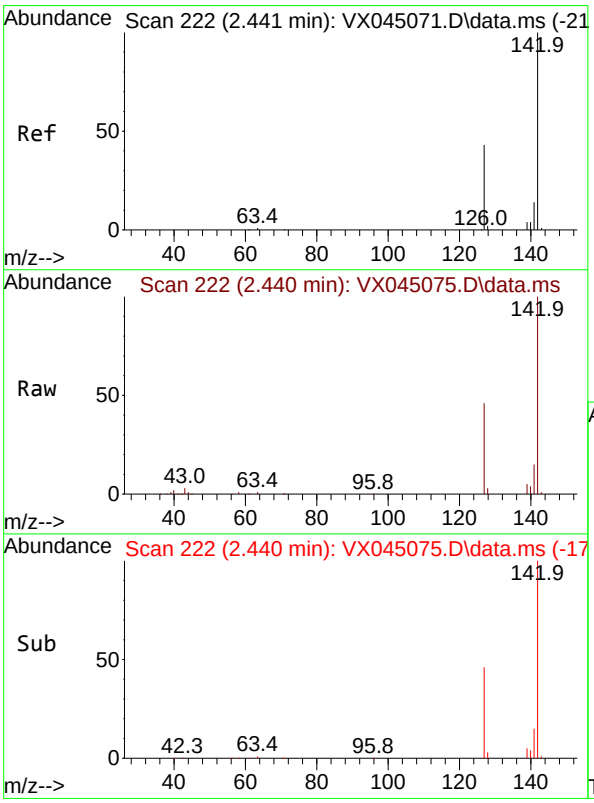
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

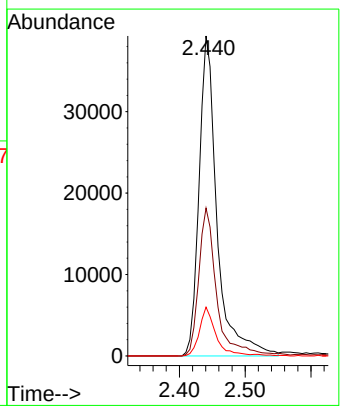


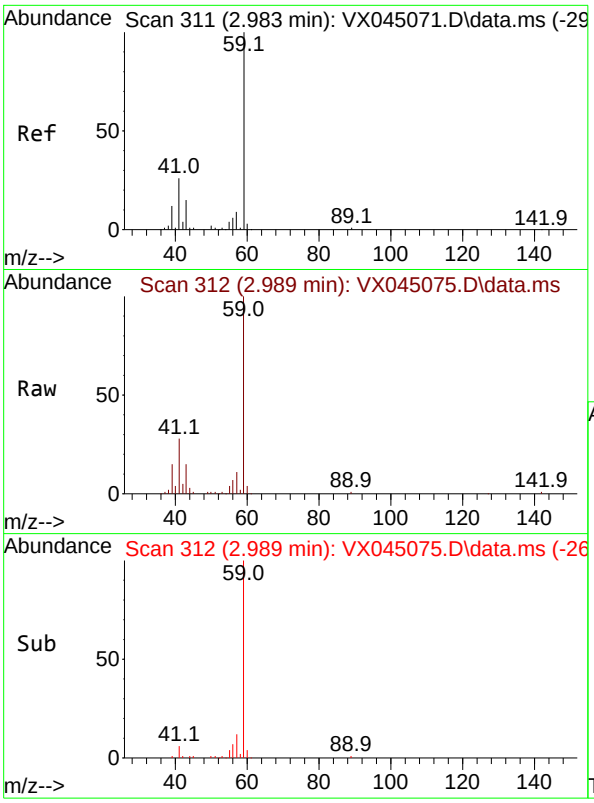


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4

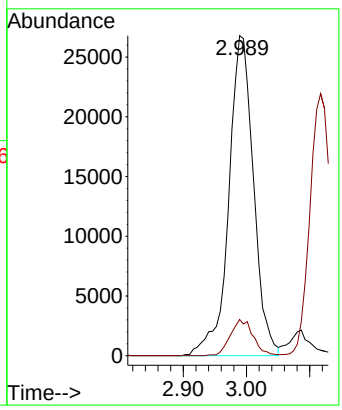




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

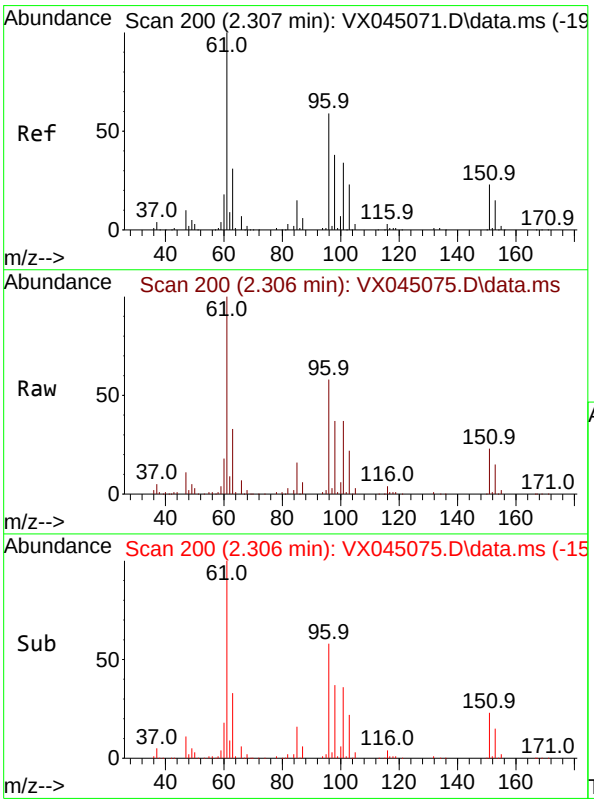
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

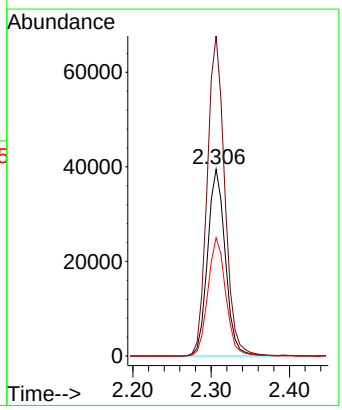
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

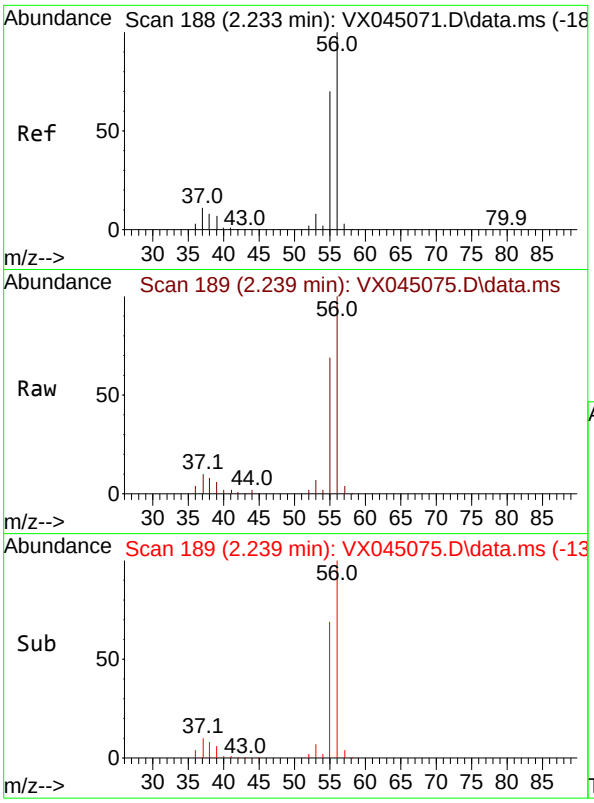


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6

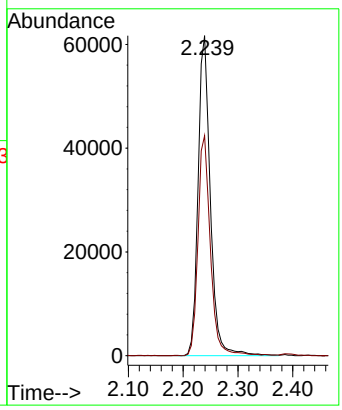




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

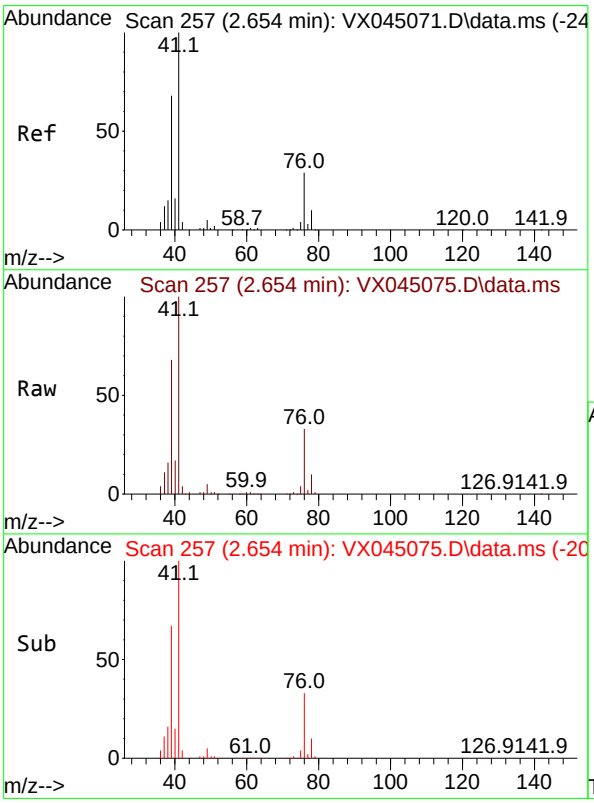
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

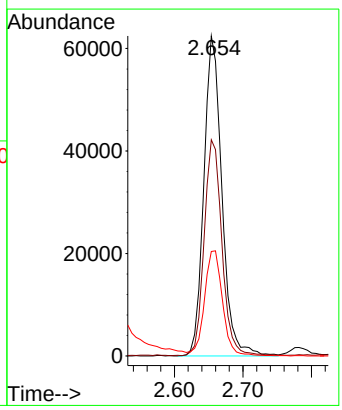
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

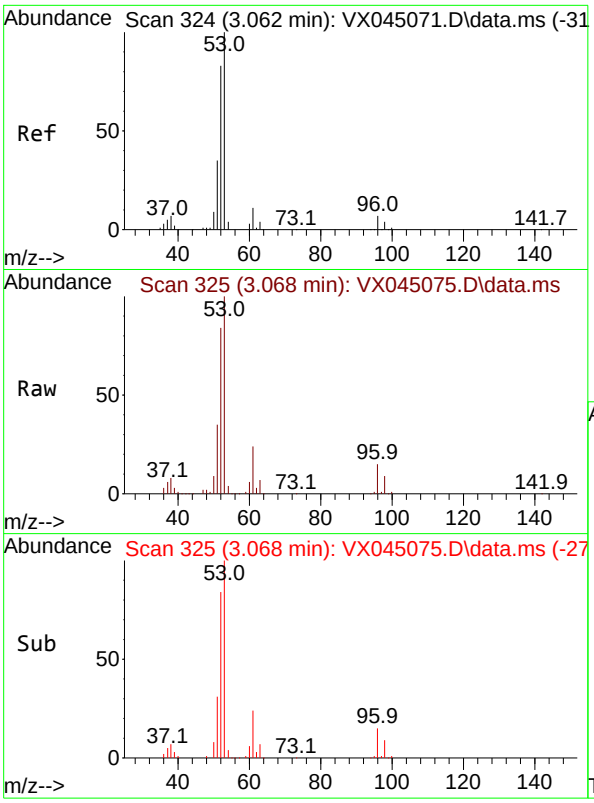


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8

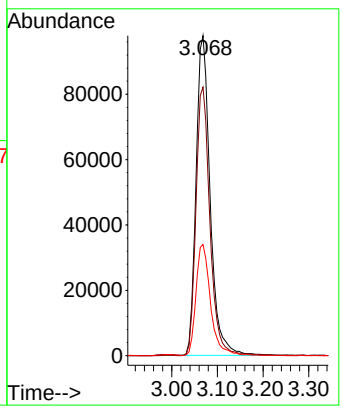




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

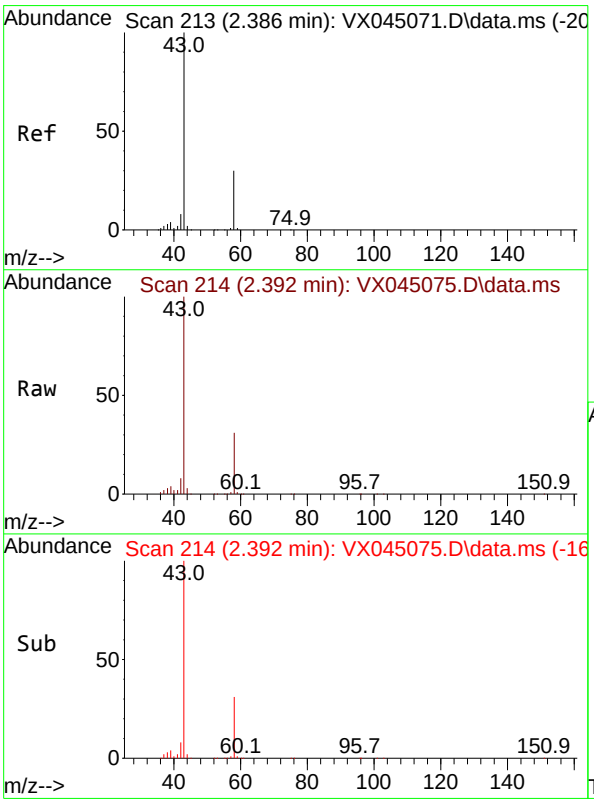
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

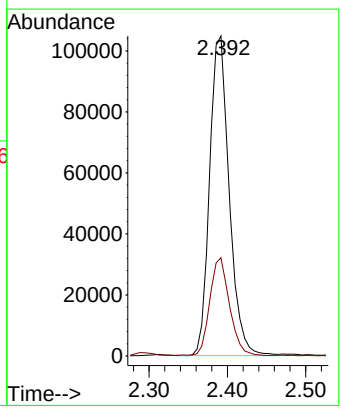
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

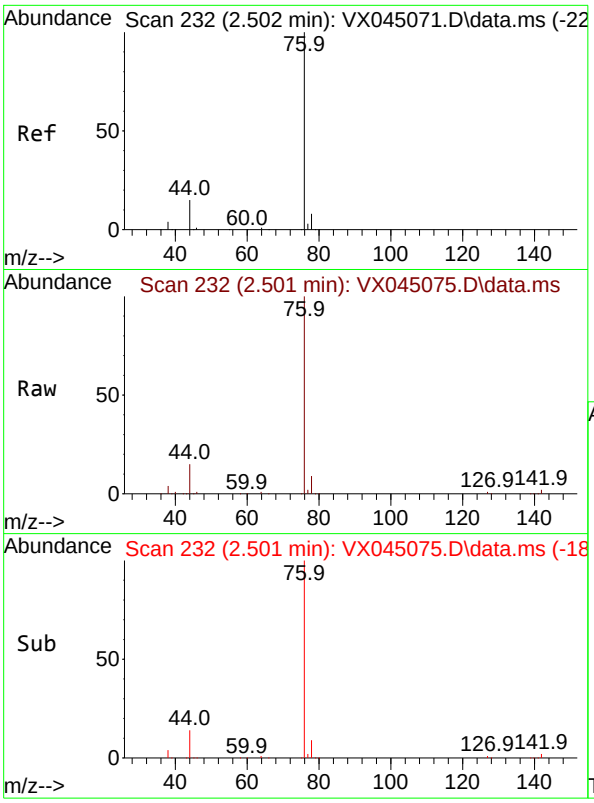


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

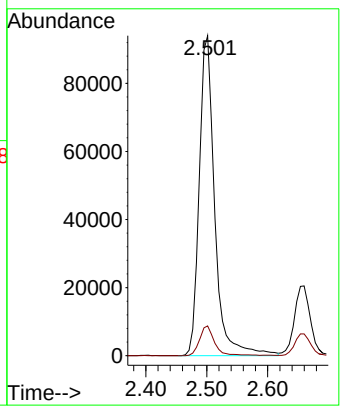




#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 16610

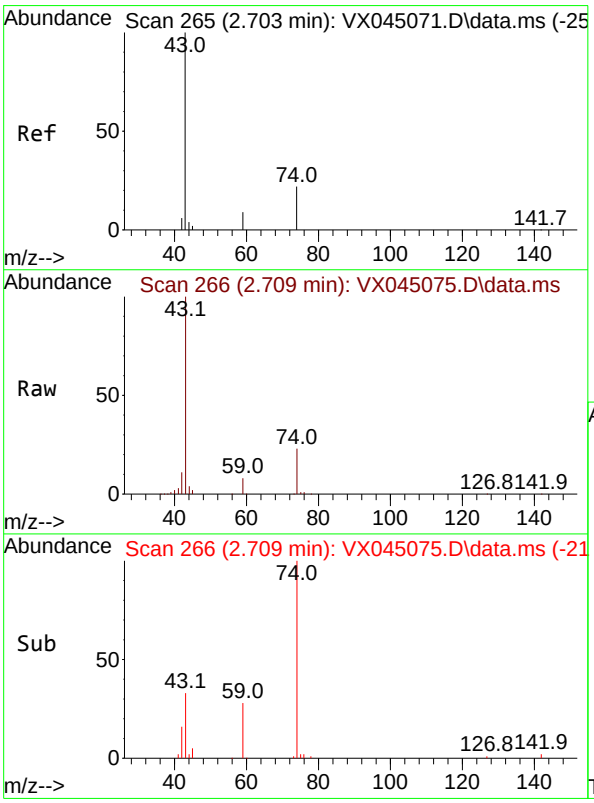
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

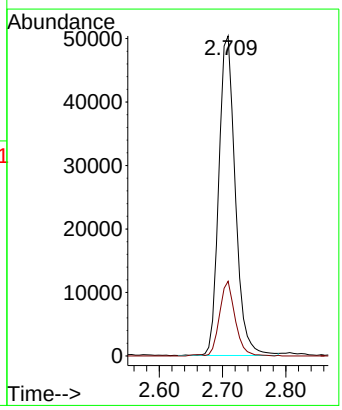
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

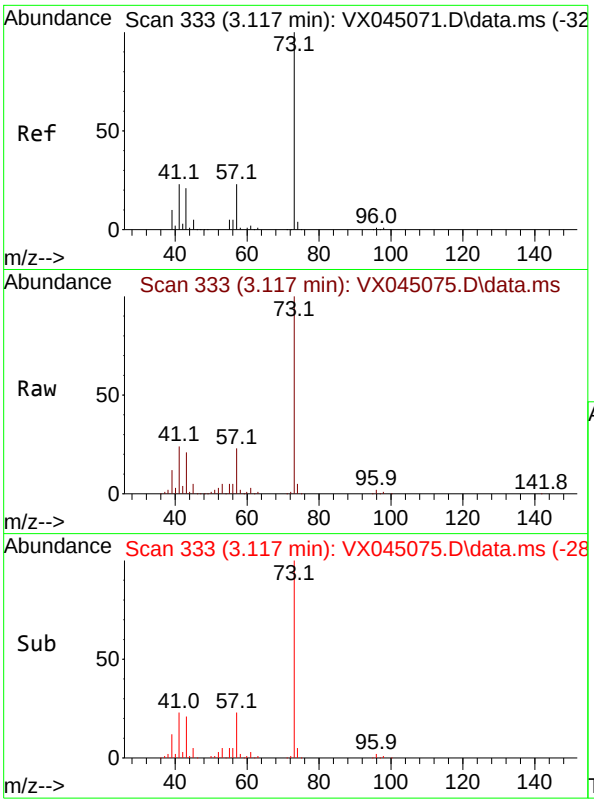


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

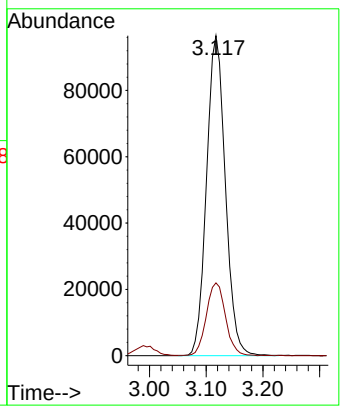




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

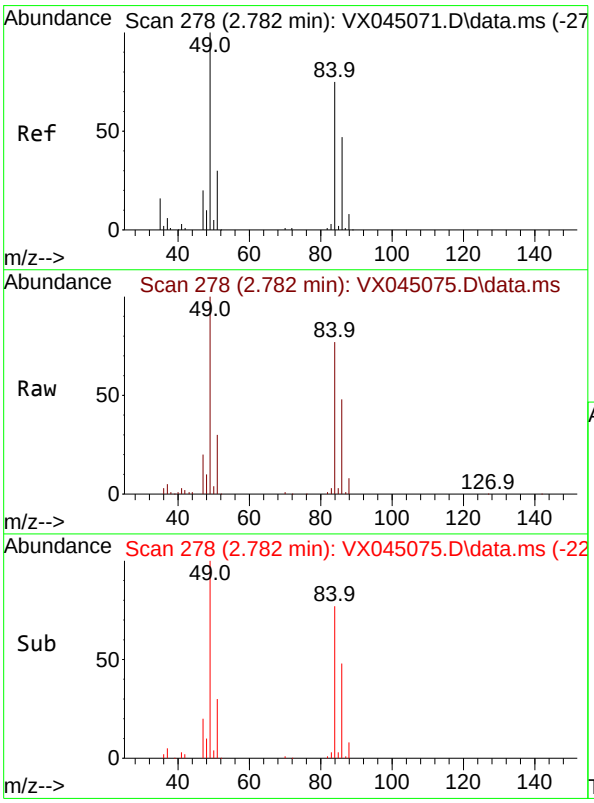
Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

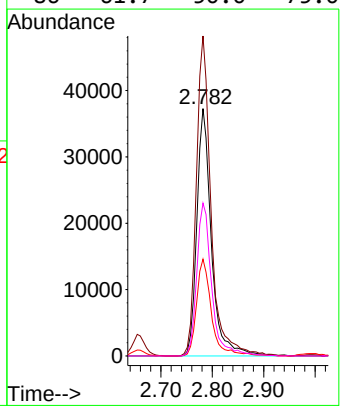
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

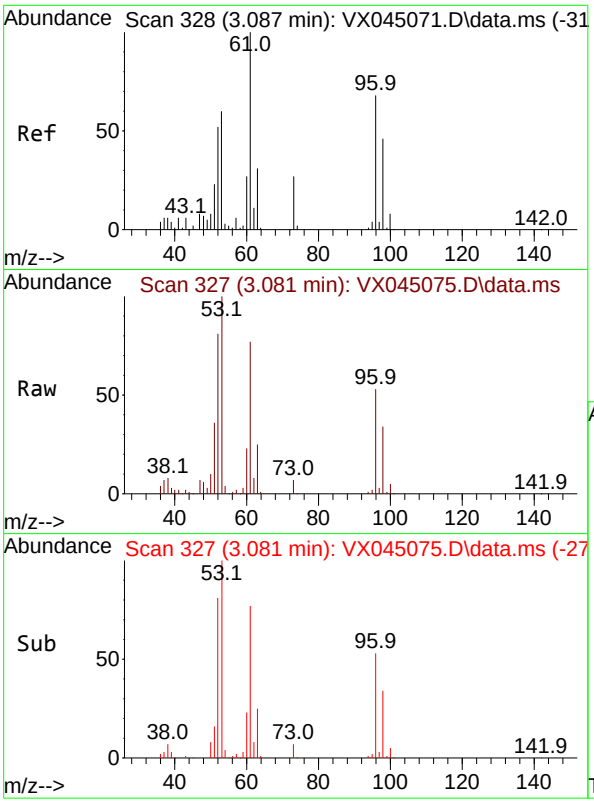


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0

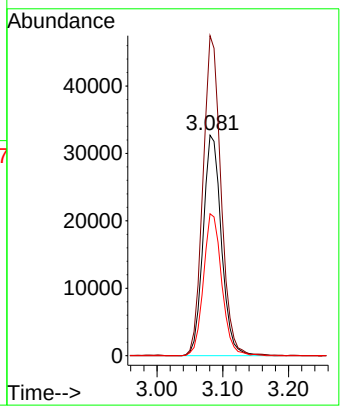




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

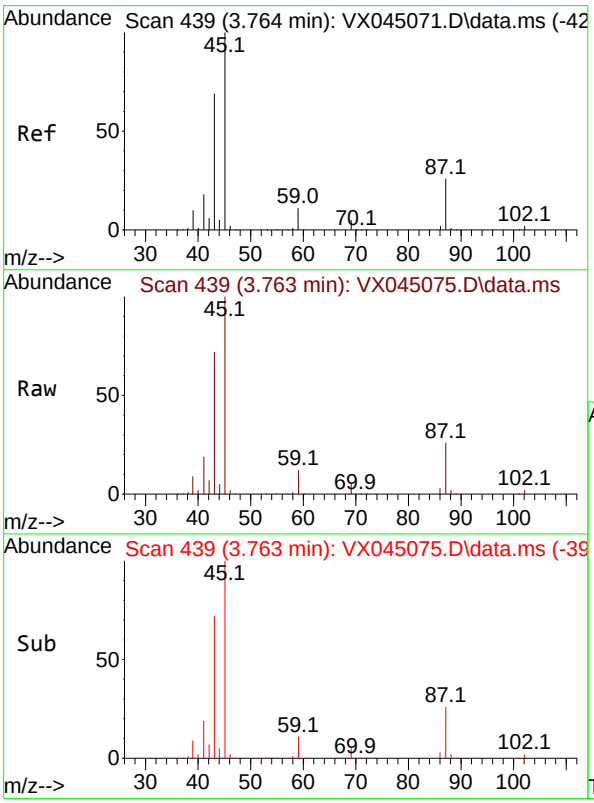
Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

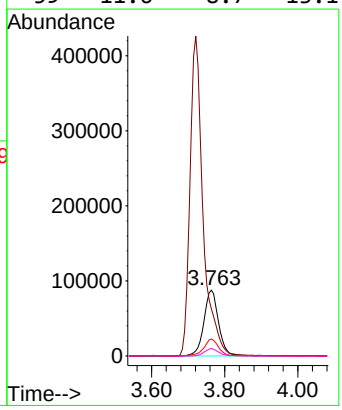
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

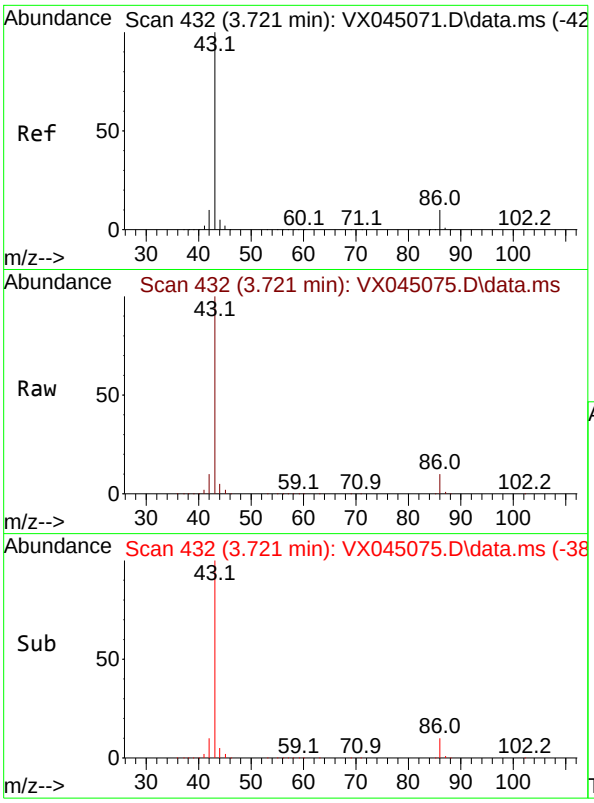


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1

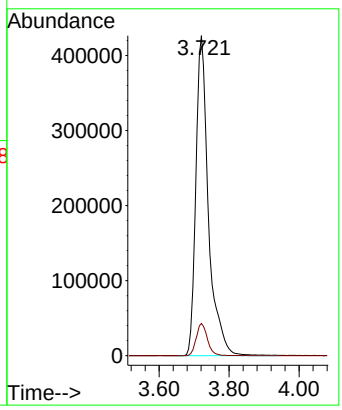




#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 106481

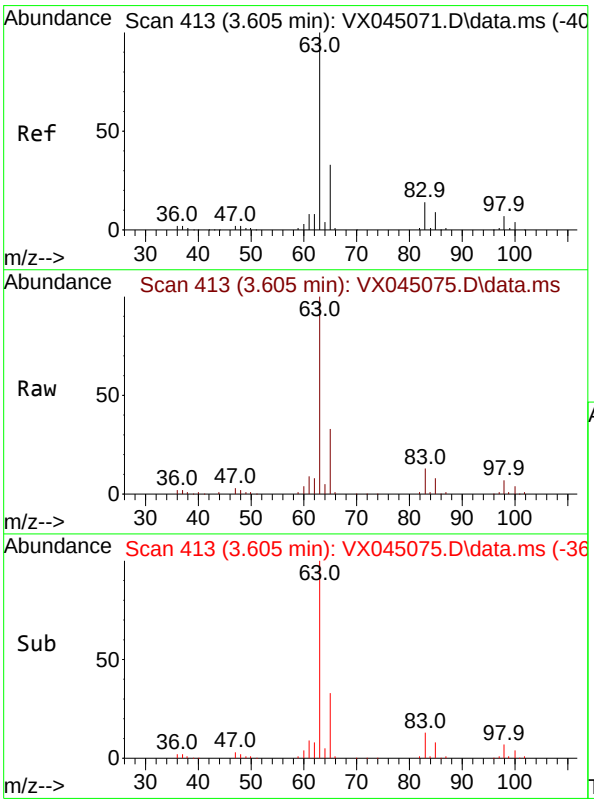
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

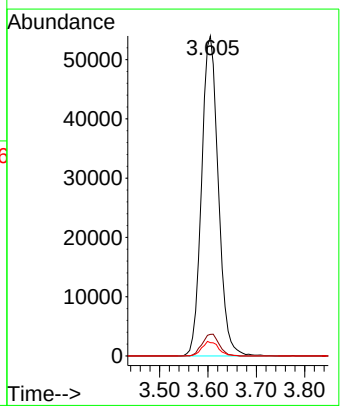
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

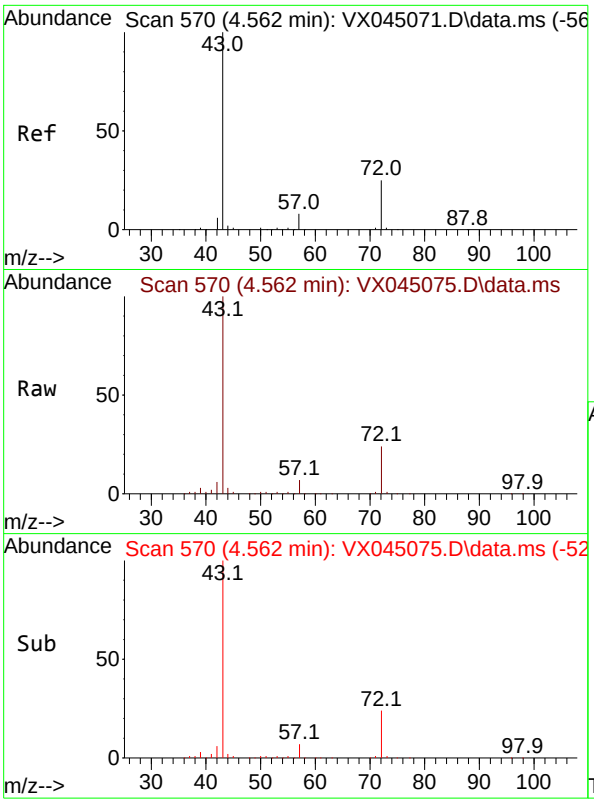


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

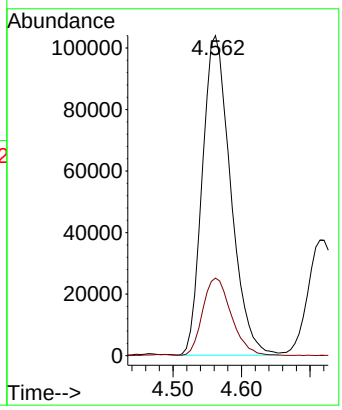
Tgt Ion: 43 Resp: 29802

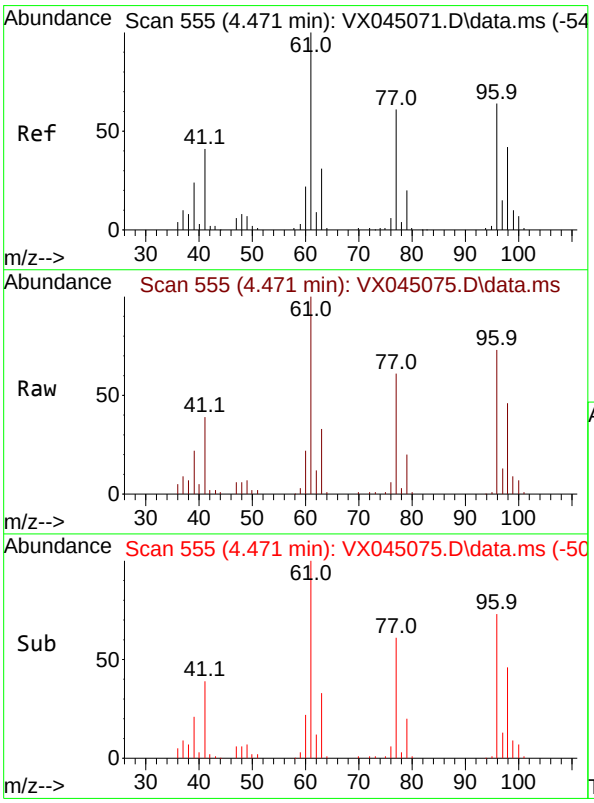
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

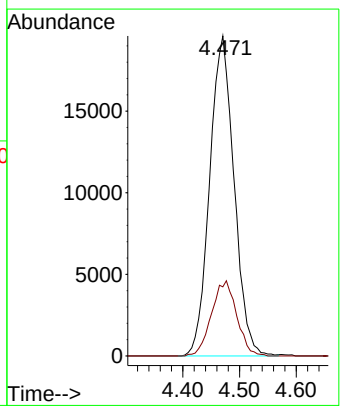


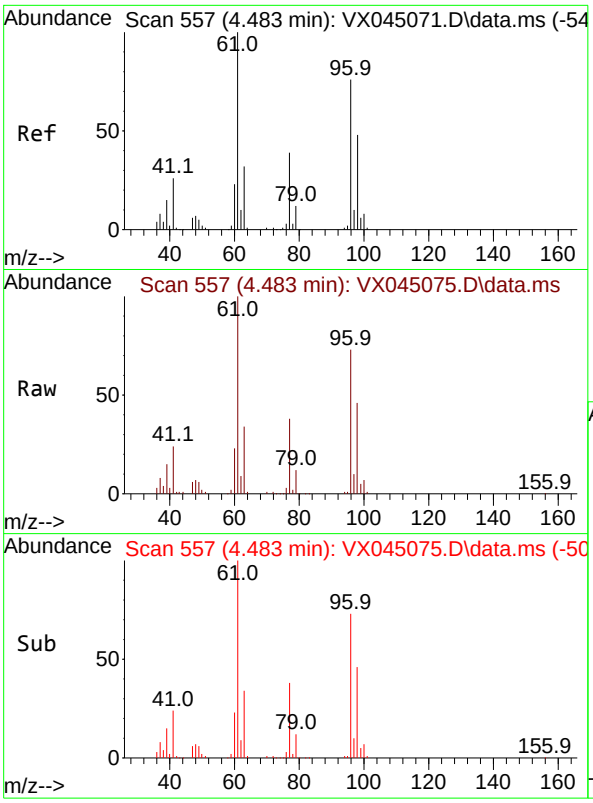


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

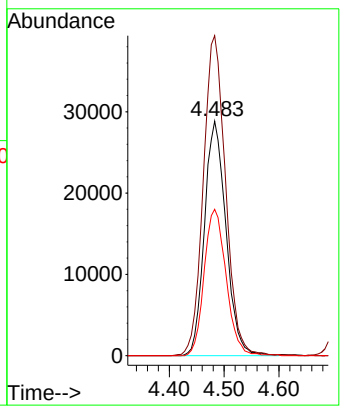




#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

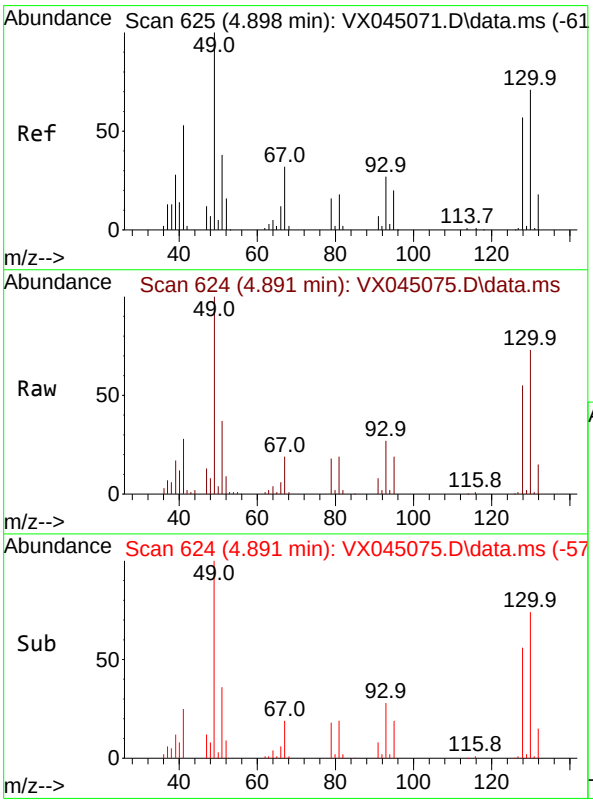
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

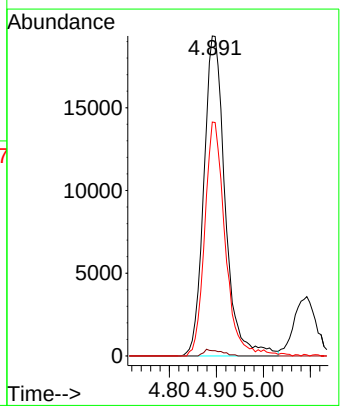
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

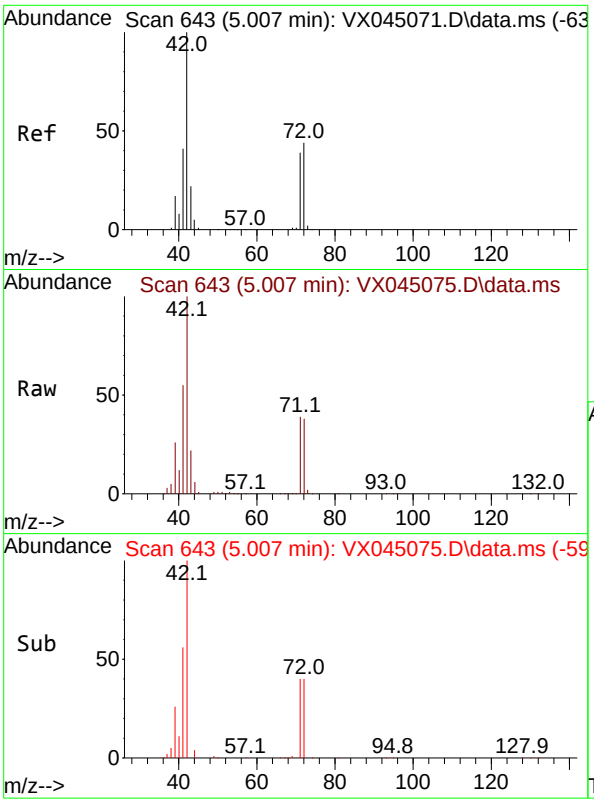


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1

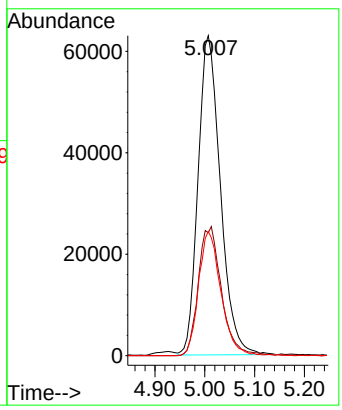




#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 42 Resp: 19576

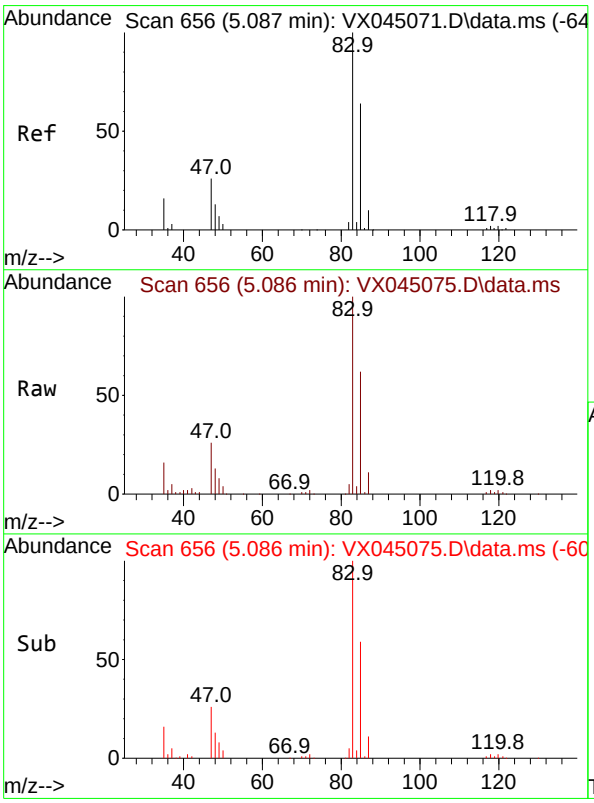
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

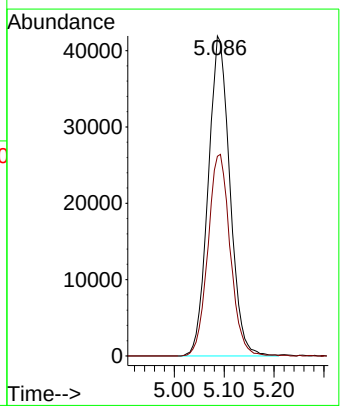
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

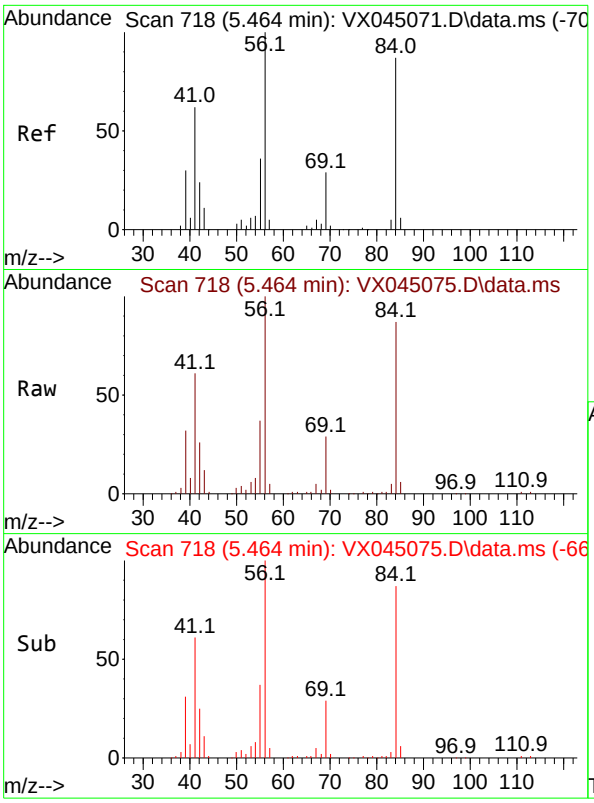


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

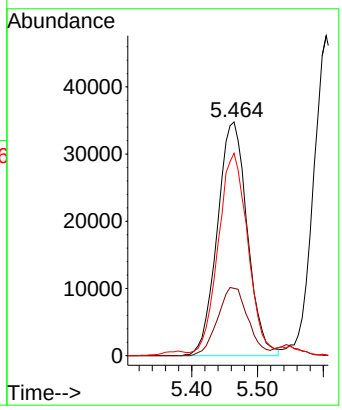




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

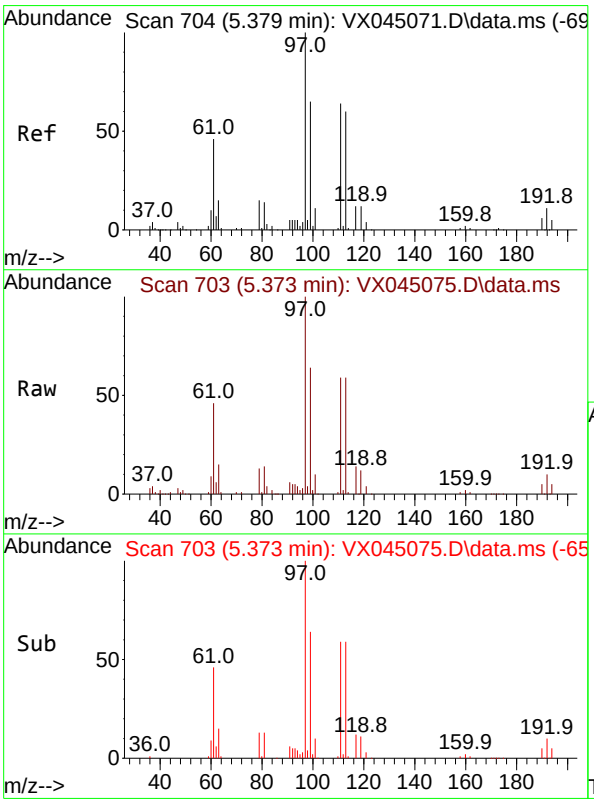
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

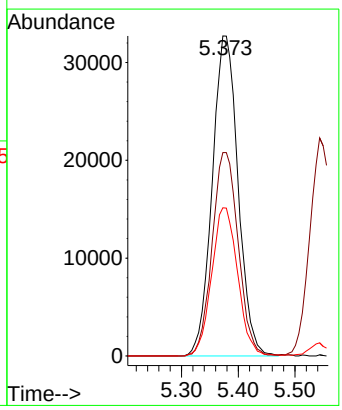
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

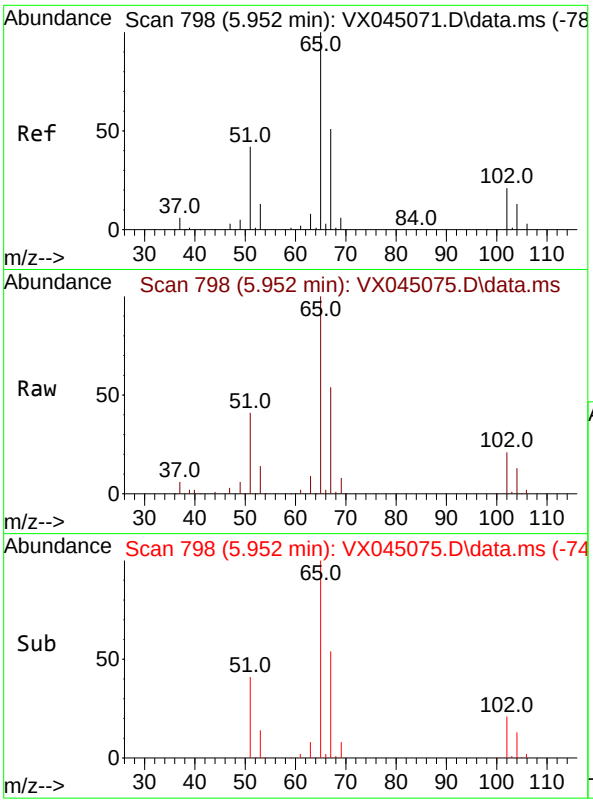


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6

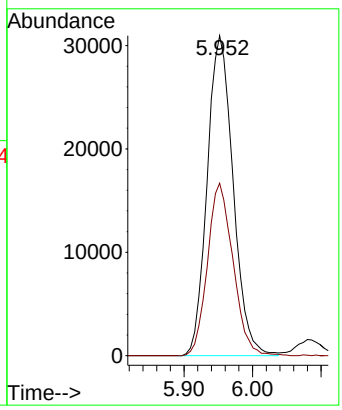




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

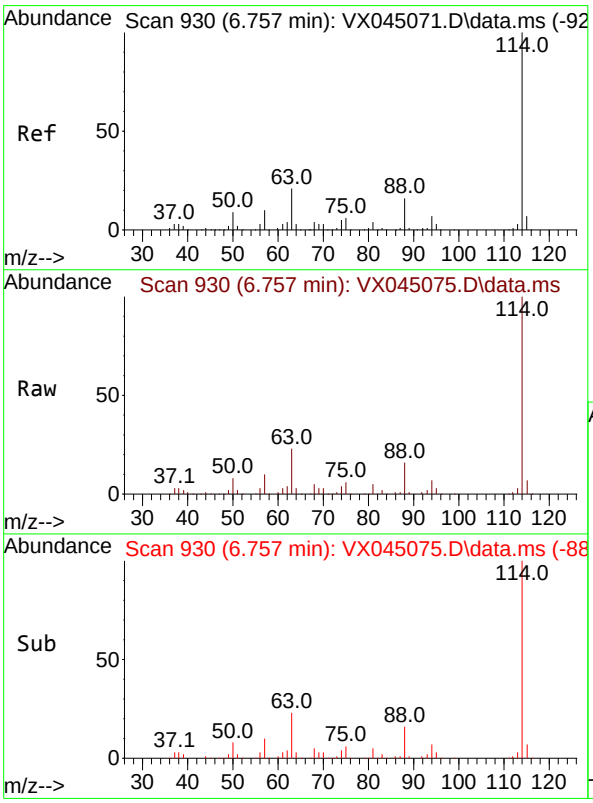
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

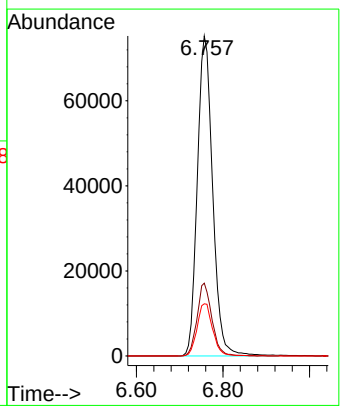
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

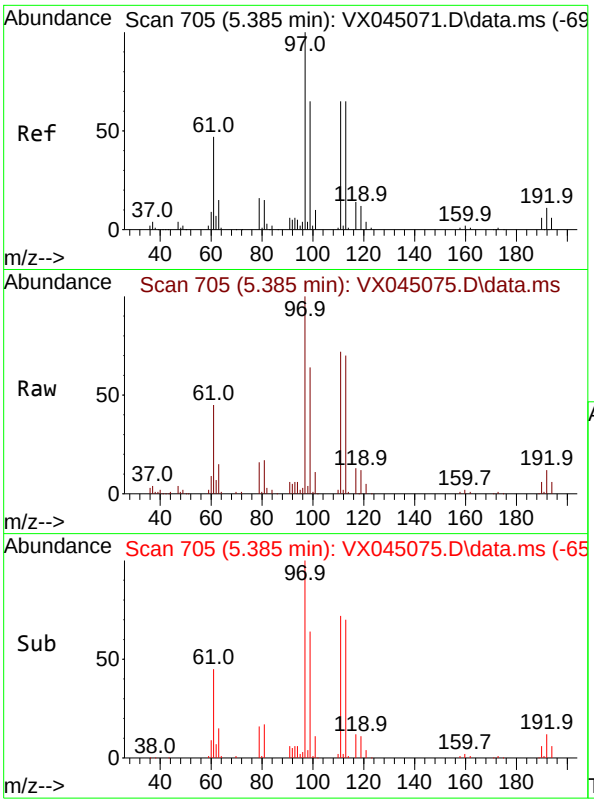


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8

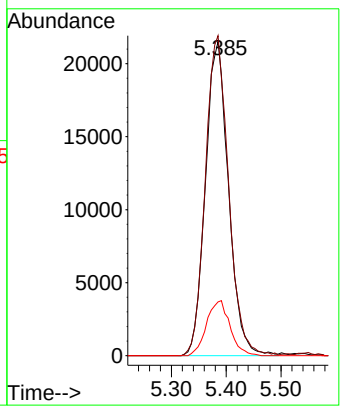




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

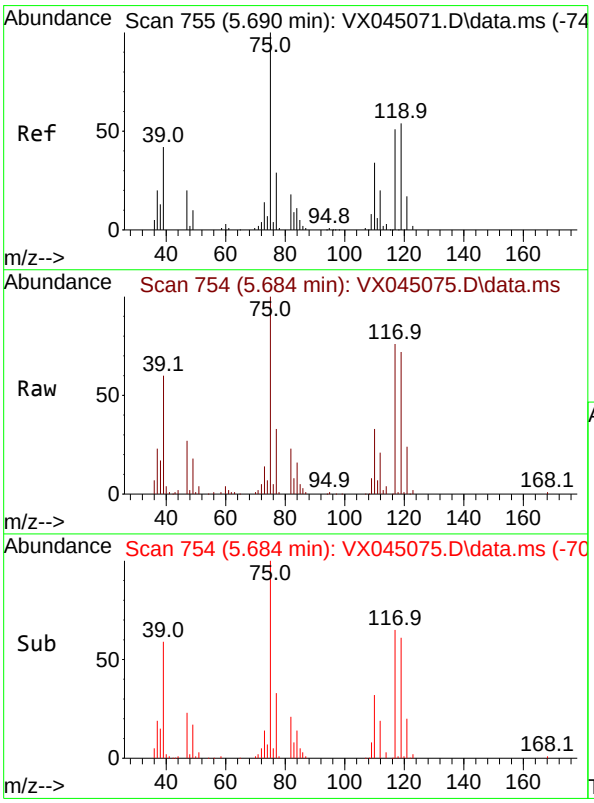
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

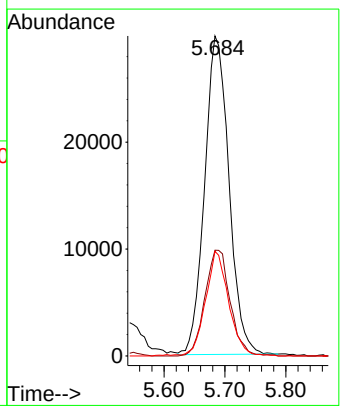
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

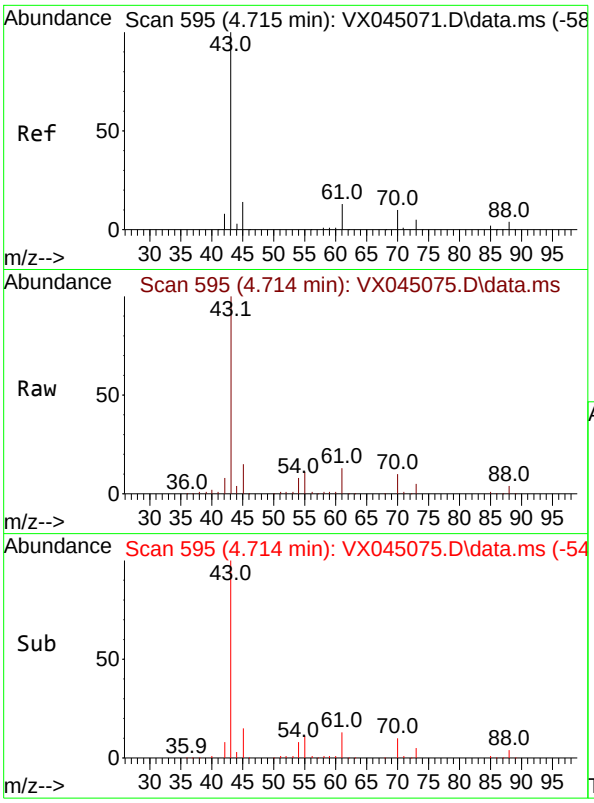


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7

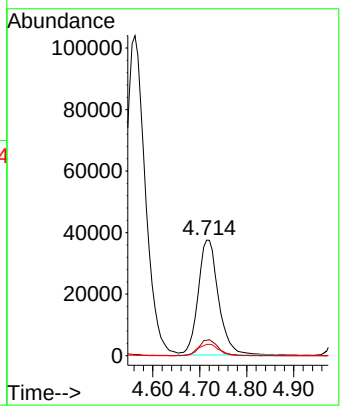




#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 11276

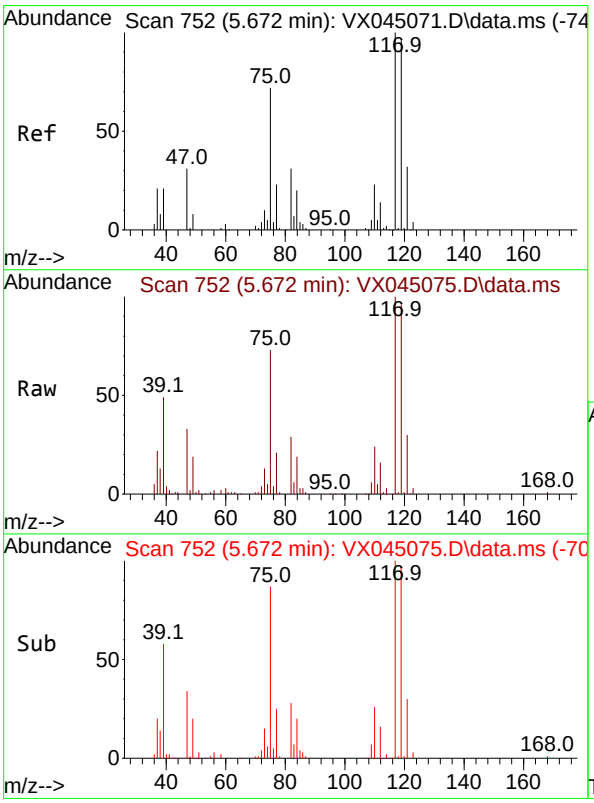
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

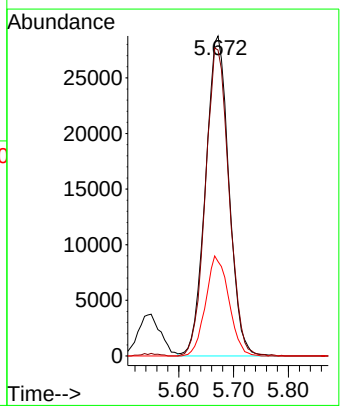
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

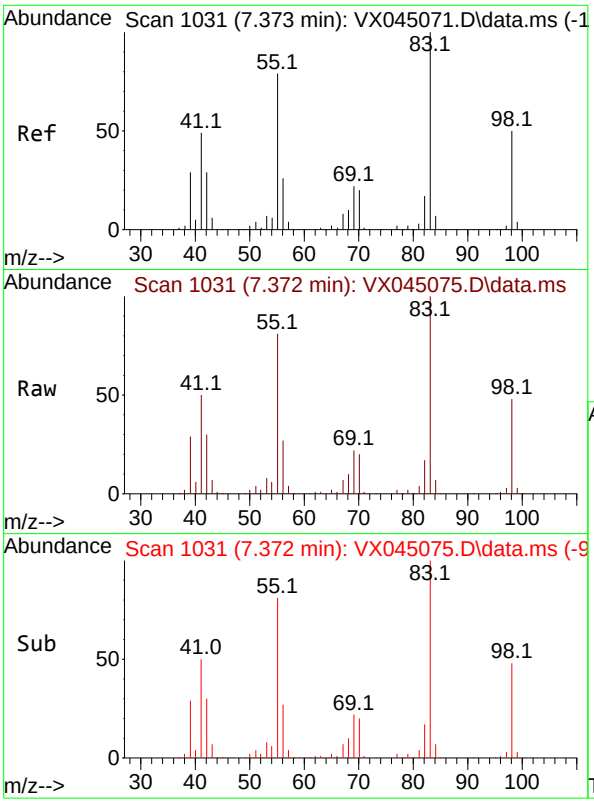


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3

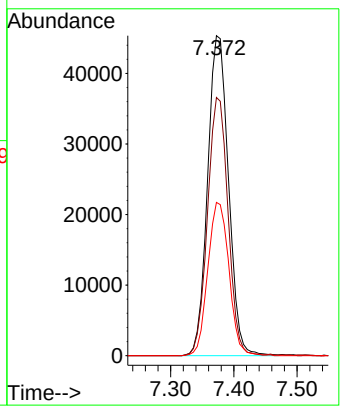




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

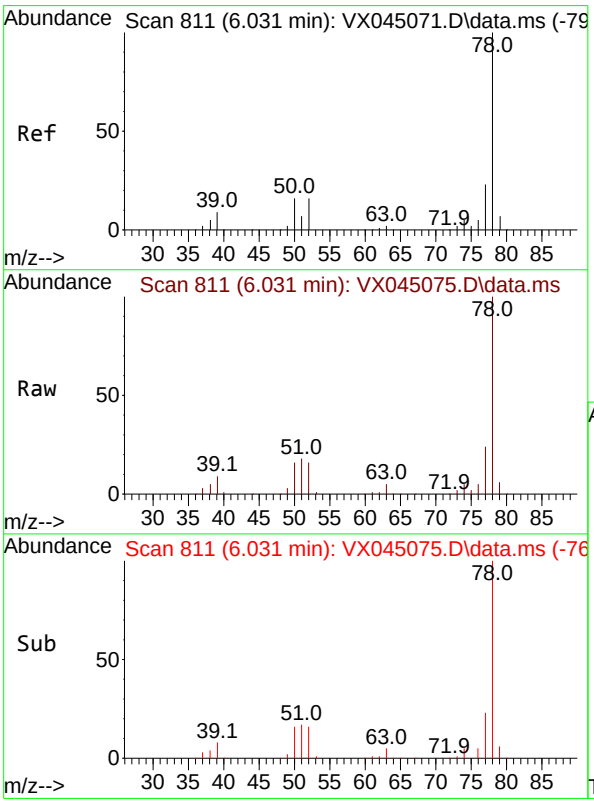
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

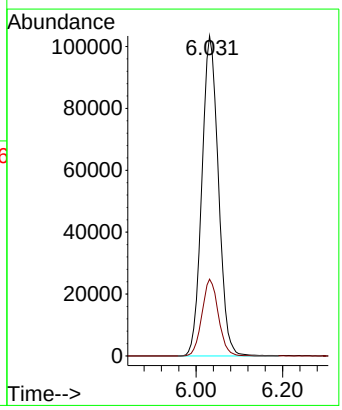
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

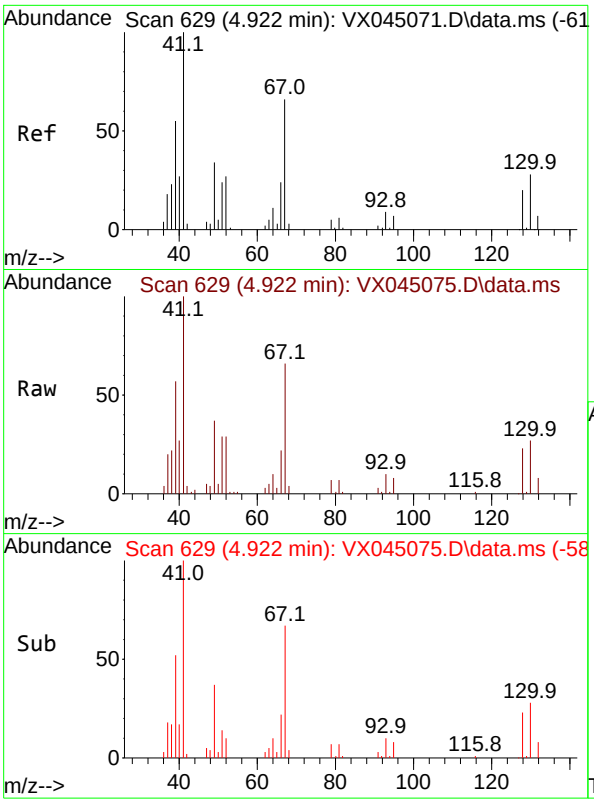


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

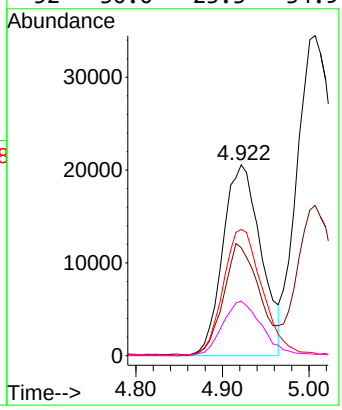




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

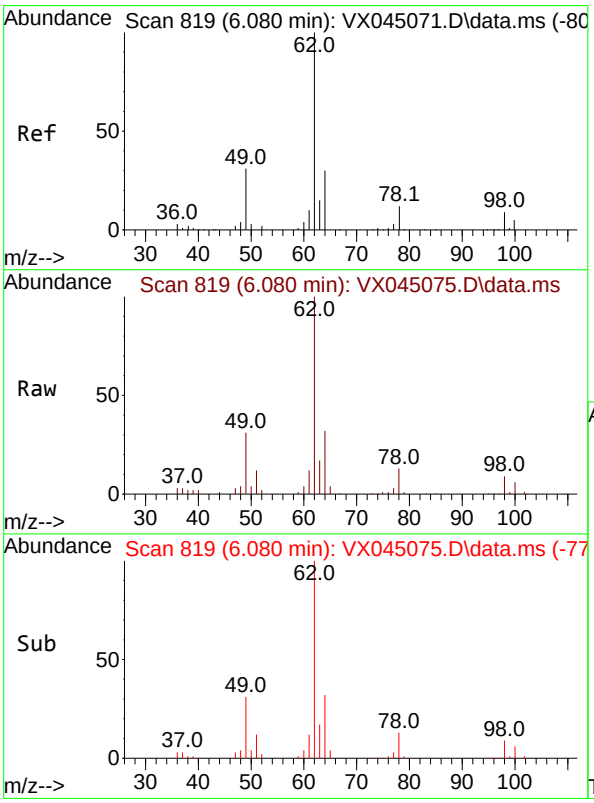
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

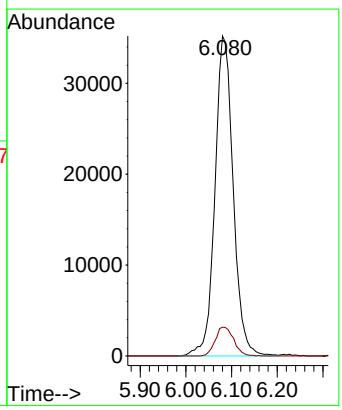
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

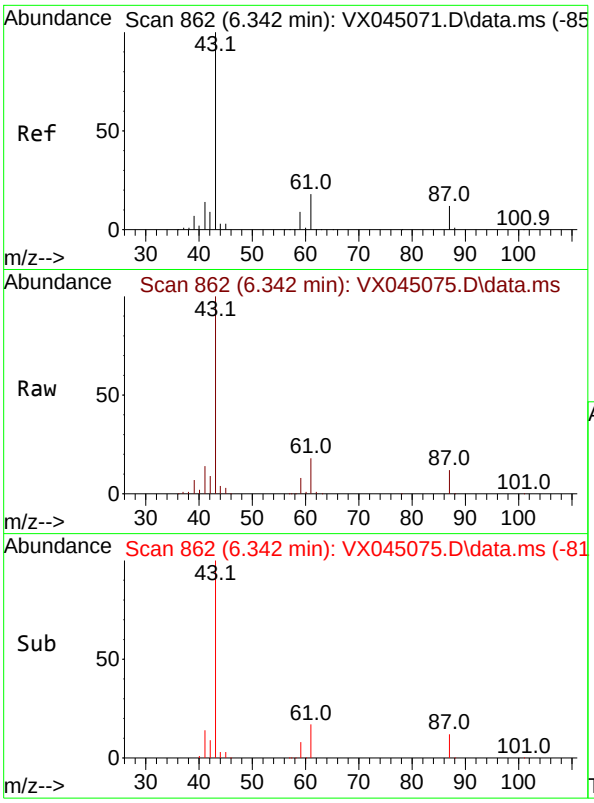


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

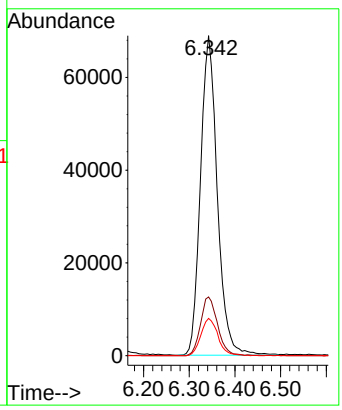




#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 17598

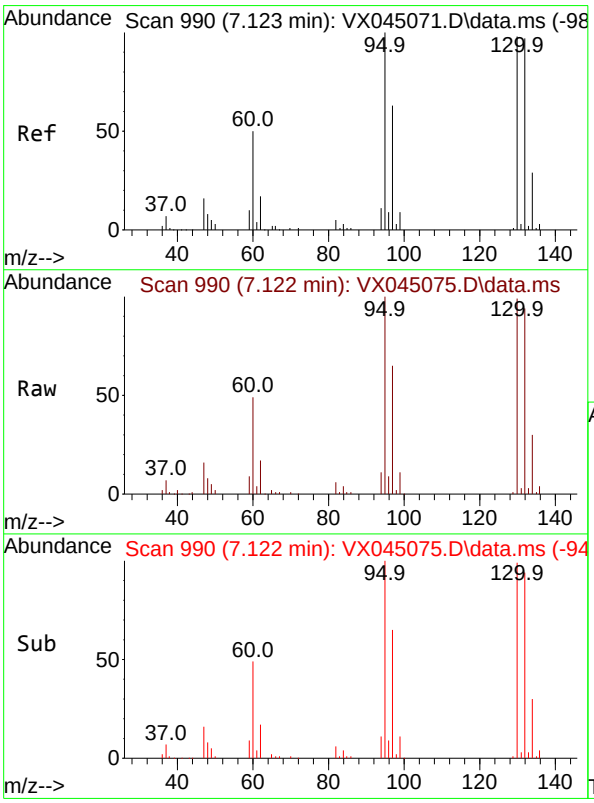
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

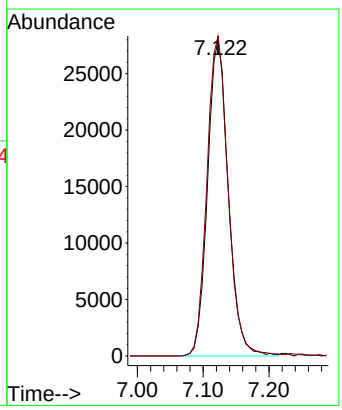
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

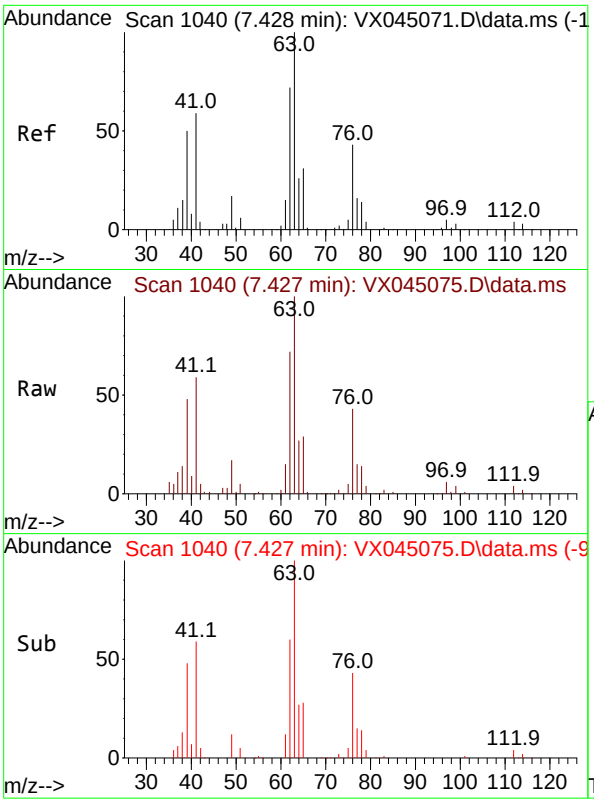


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

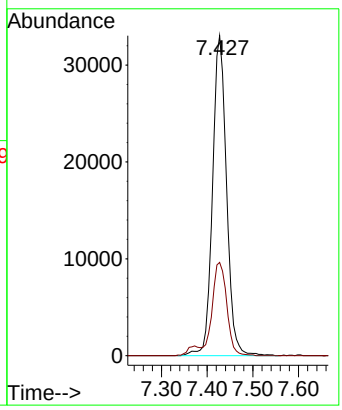




#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 7035

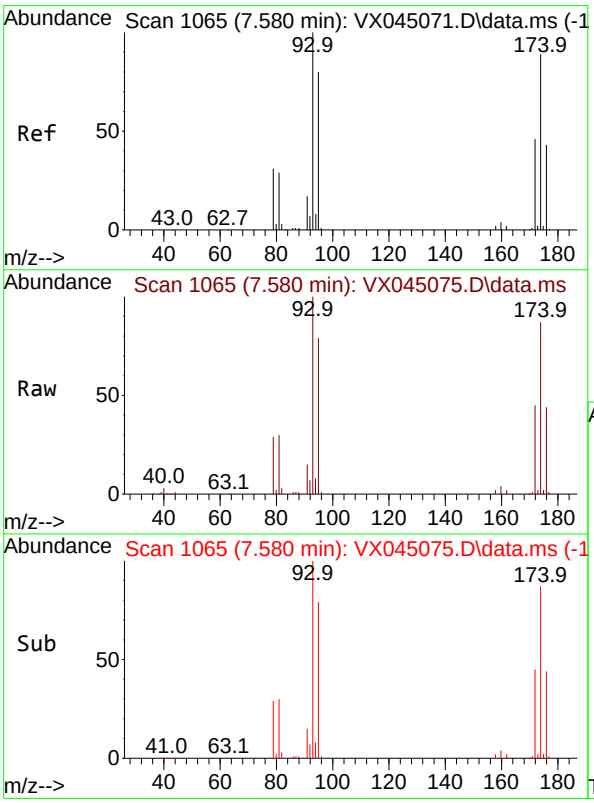
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

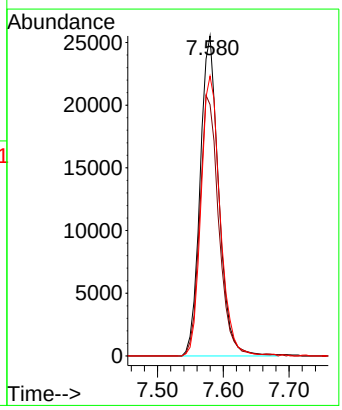
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

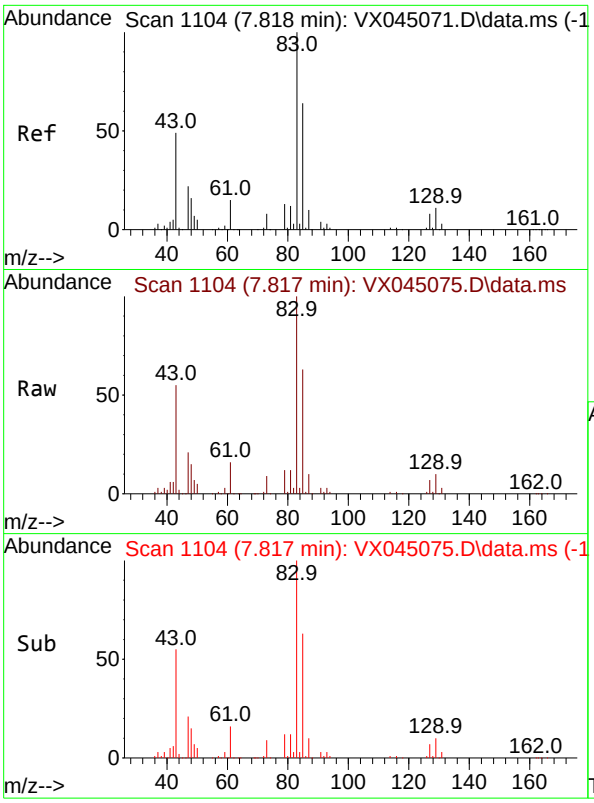


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2

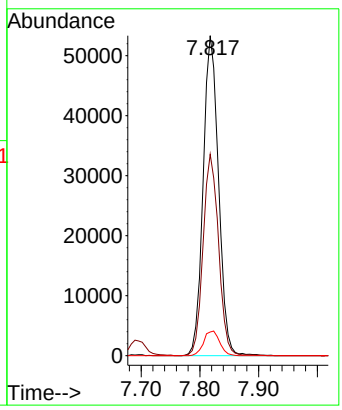




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

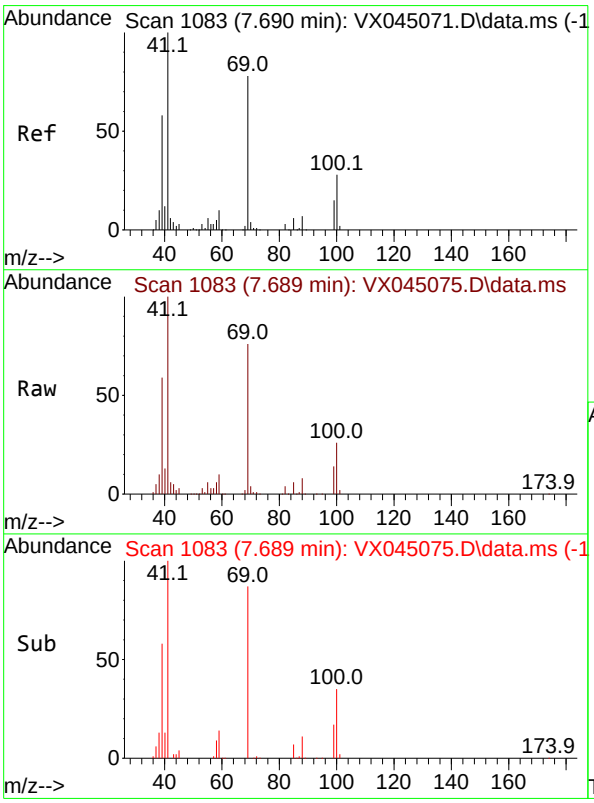
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

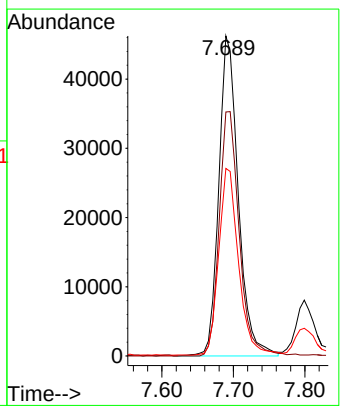
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

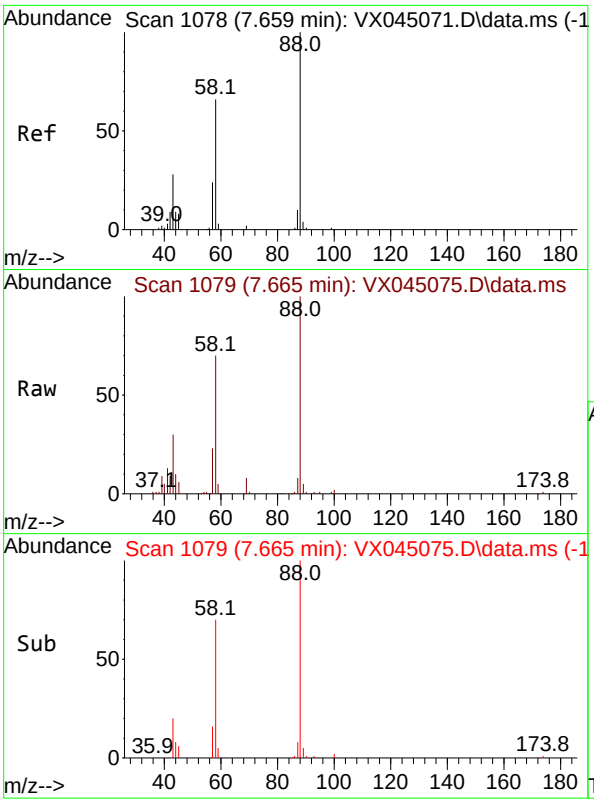


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

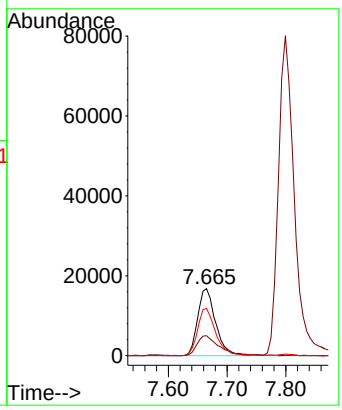
Tgt Ion: 88 Resp: 3587

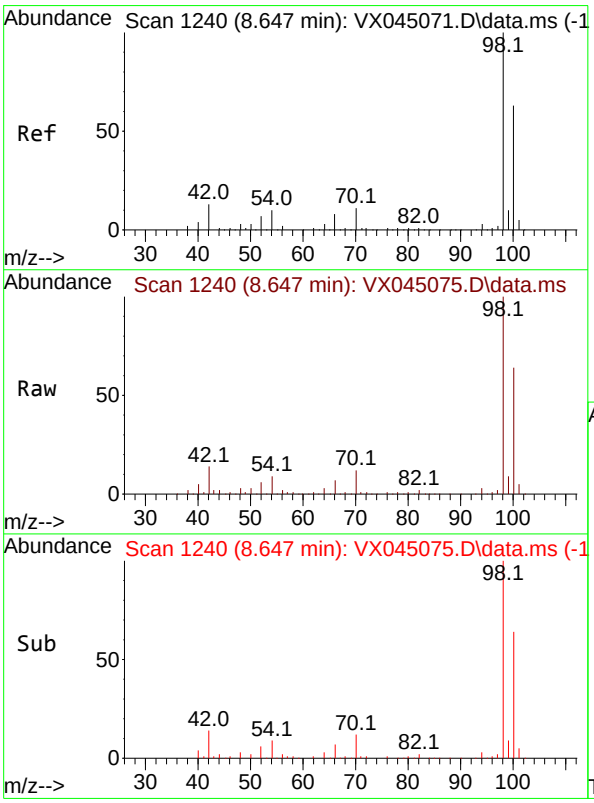
Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

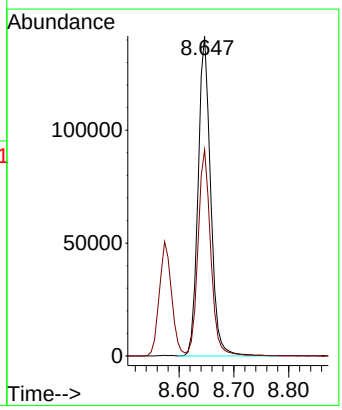


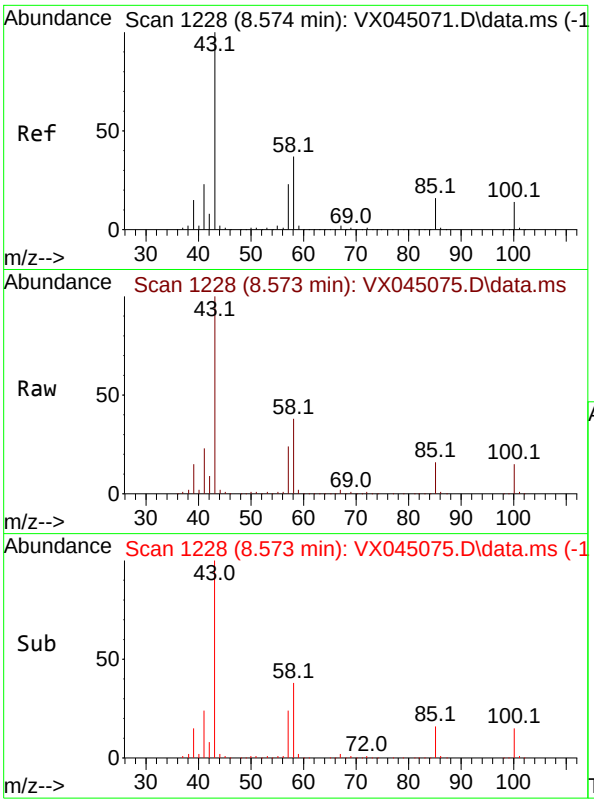


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

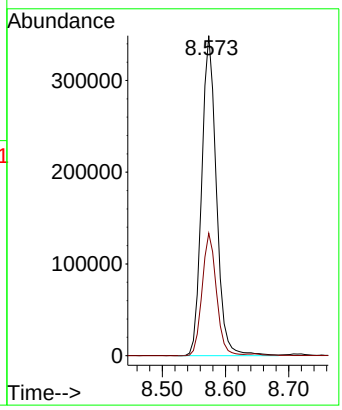




#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 56419

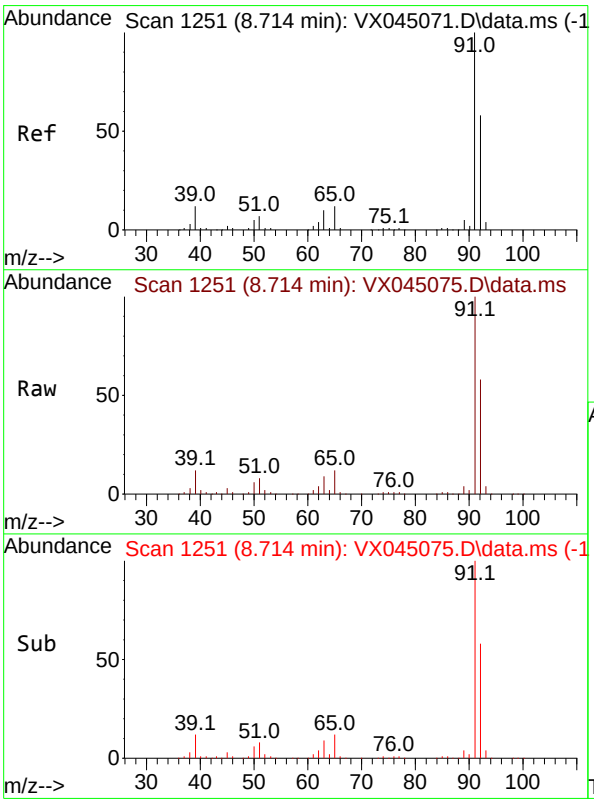
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

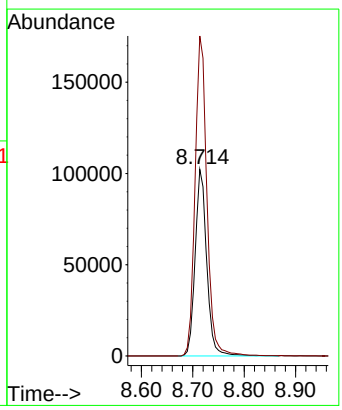
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

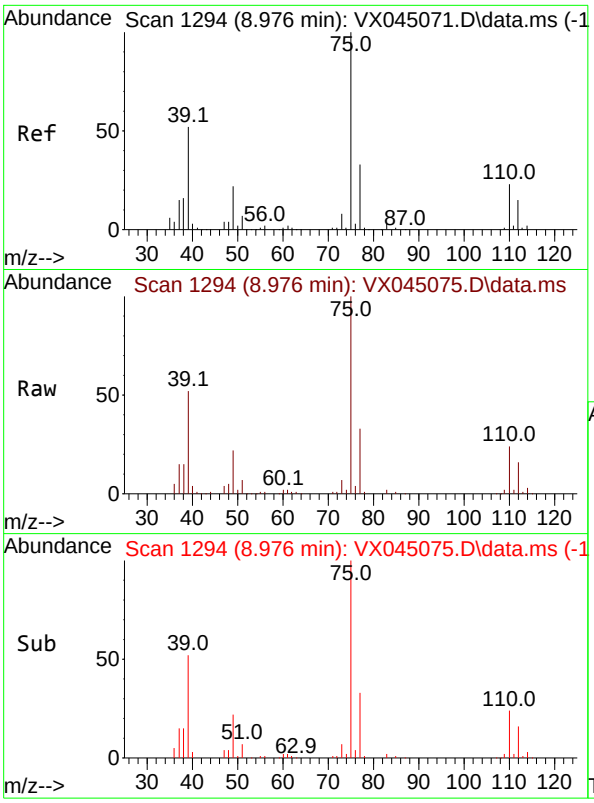


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

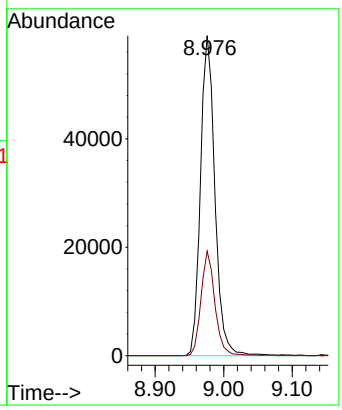




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

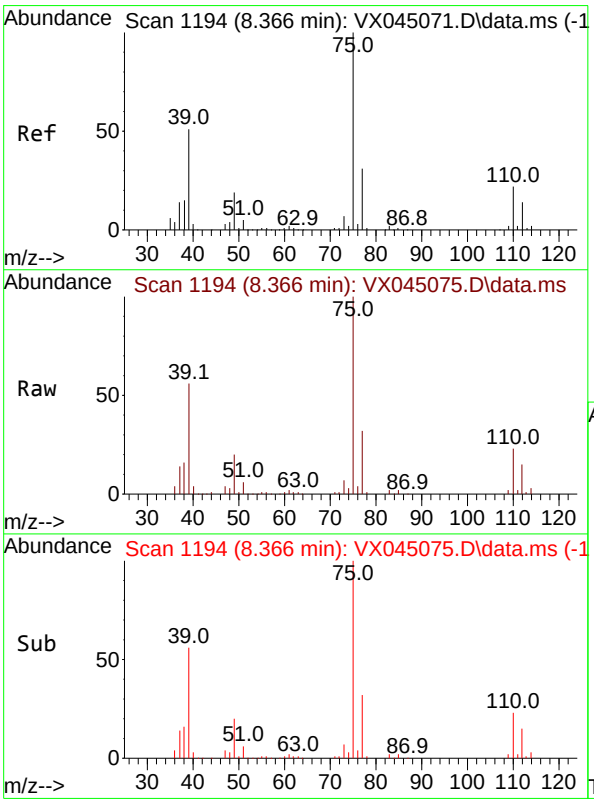
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

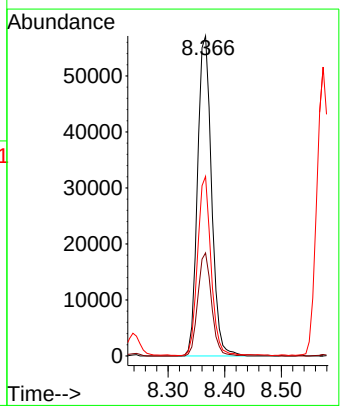
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

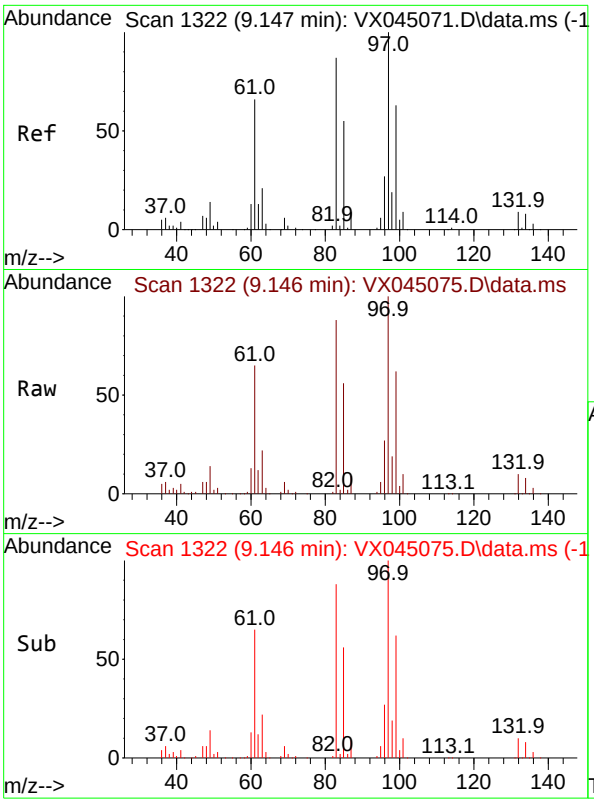


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1

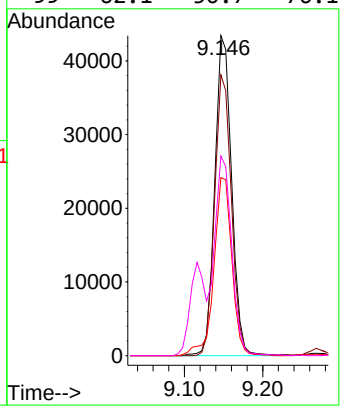




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

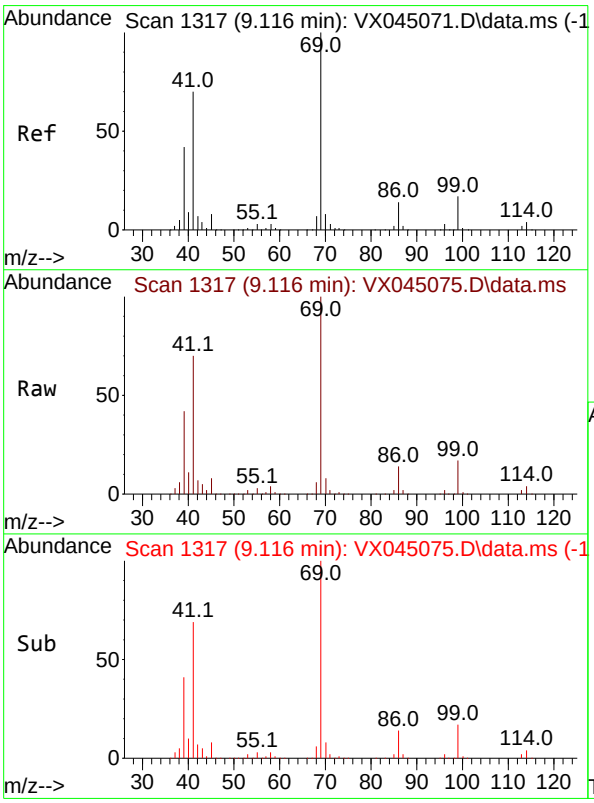
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

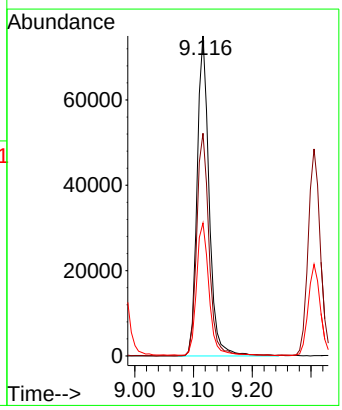
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

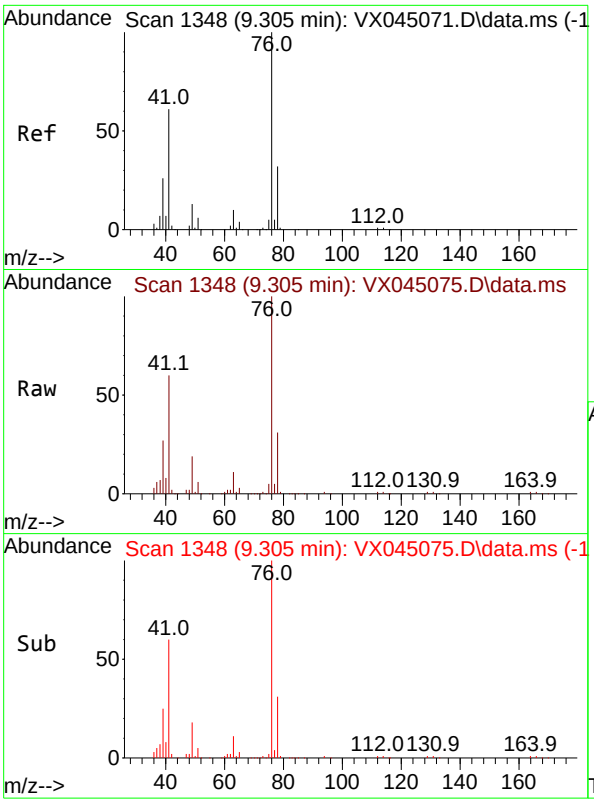


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4

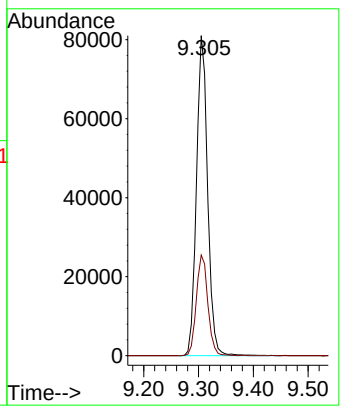




#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 11488

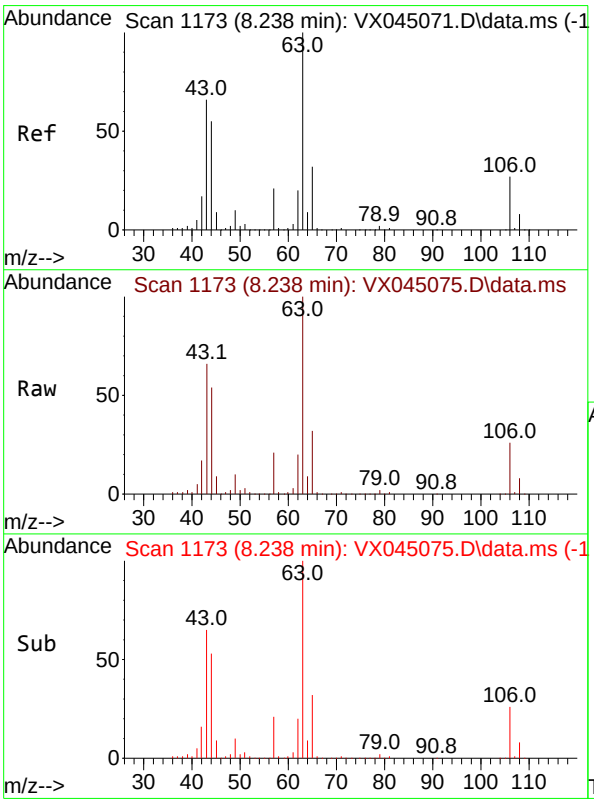
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

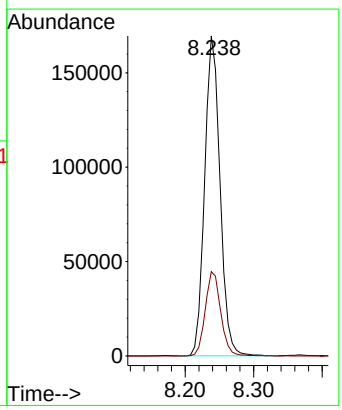
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

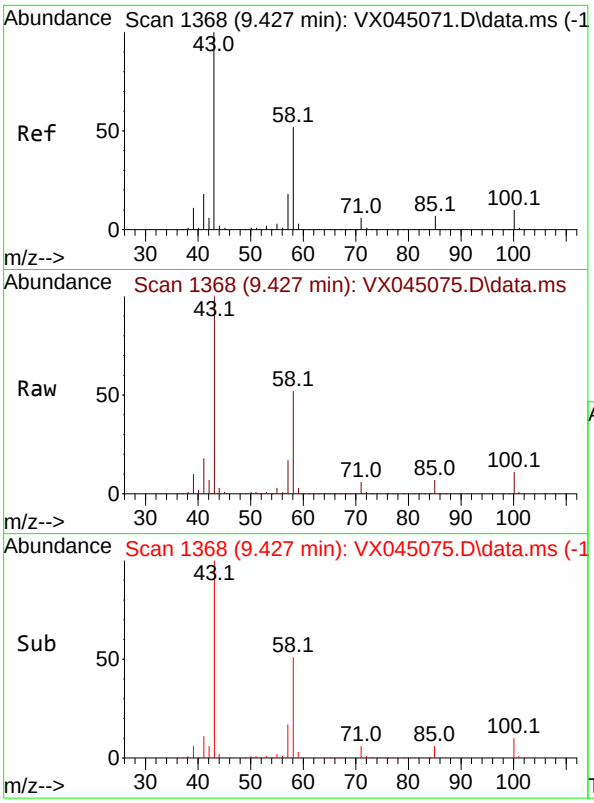


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

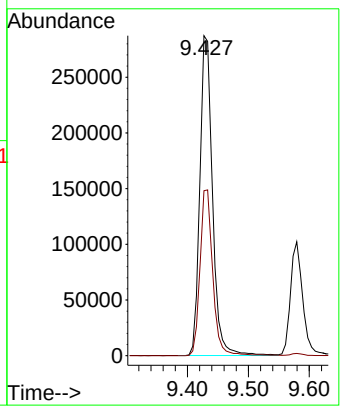




#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 41673

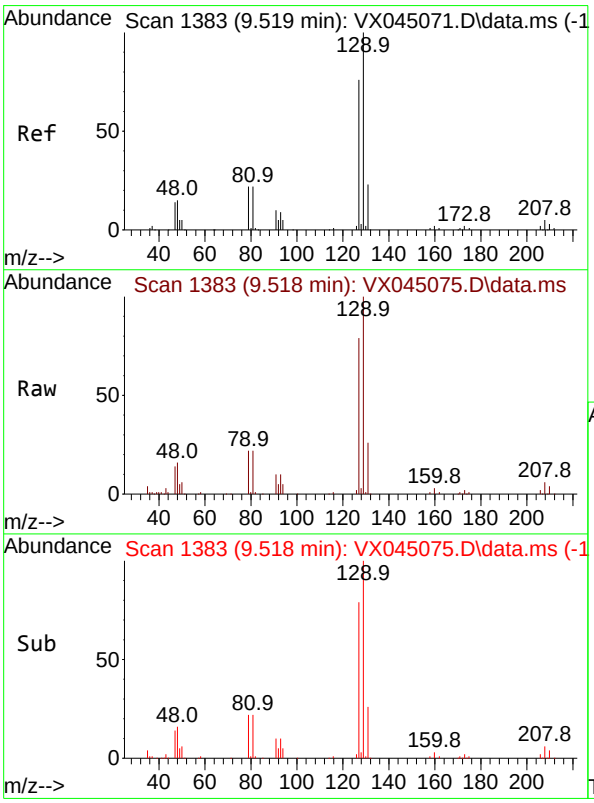
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

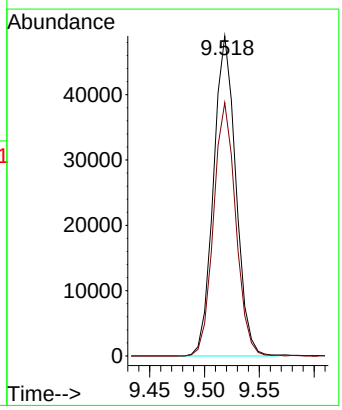
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

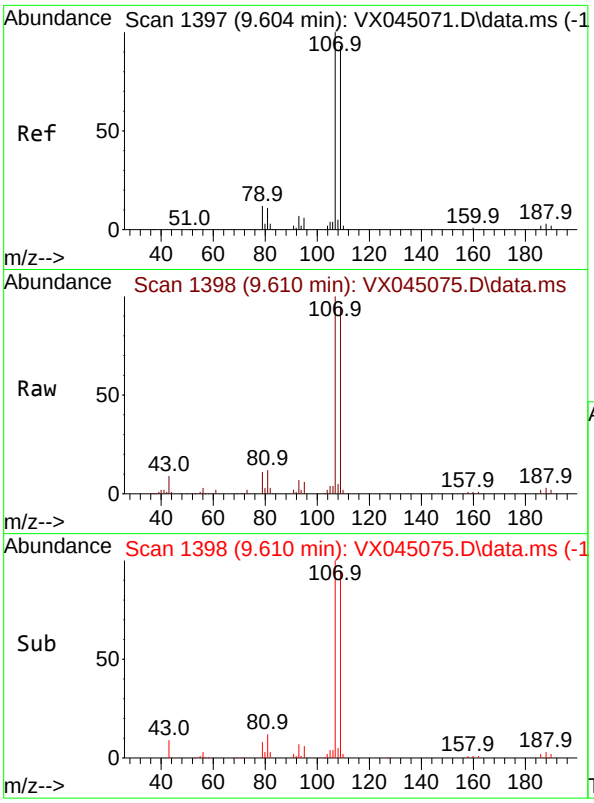


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

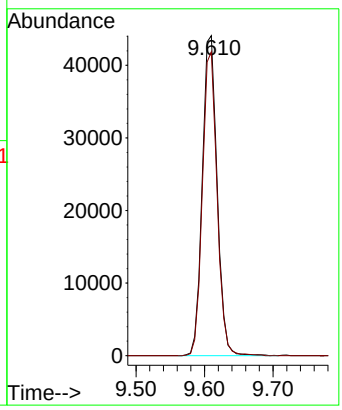




#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:107 Resp: 6650

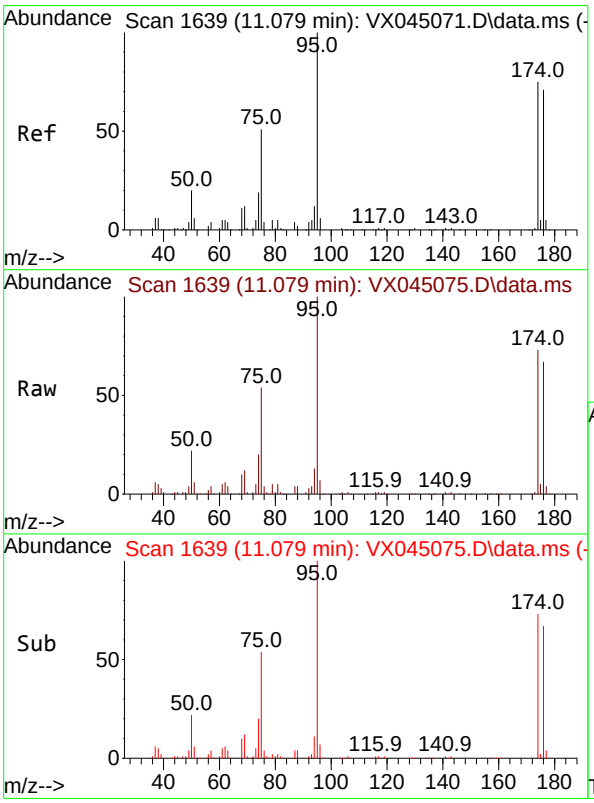
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

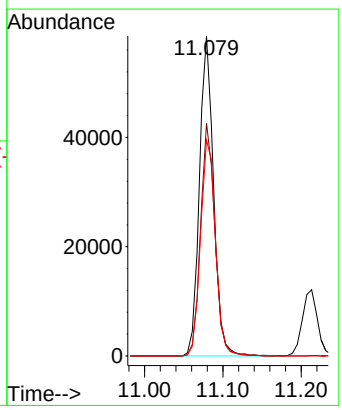
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

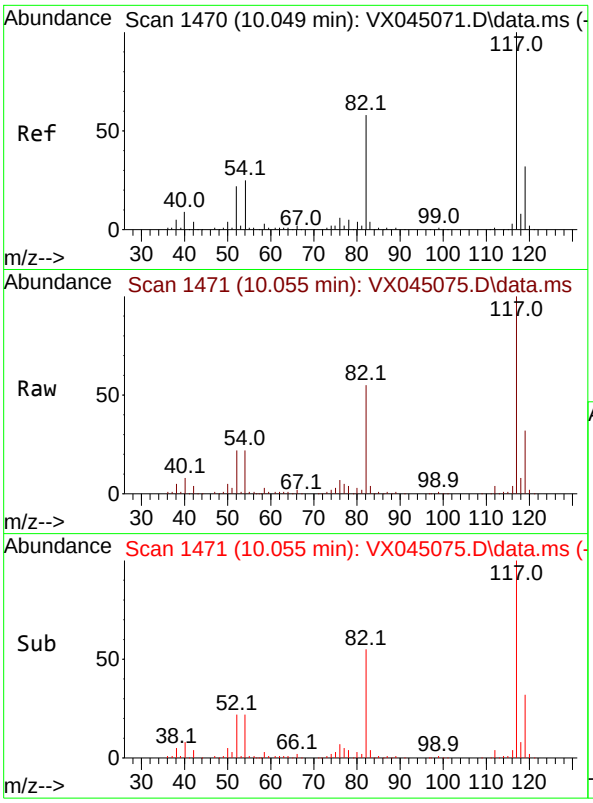


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4

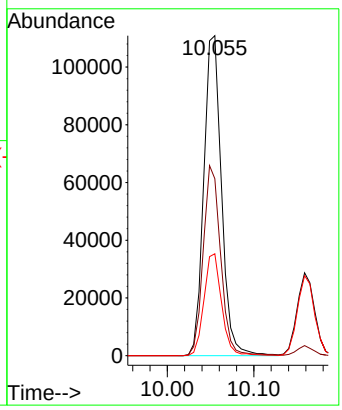




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 15779

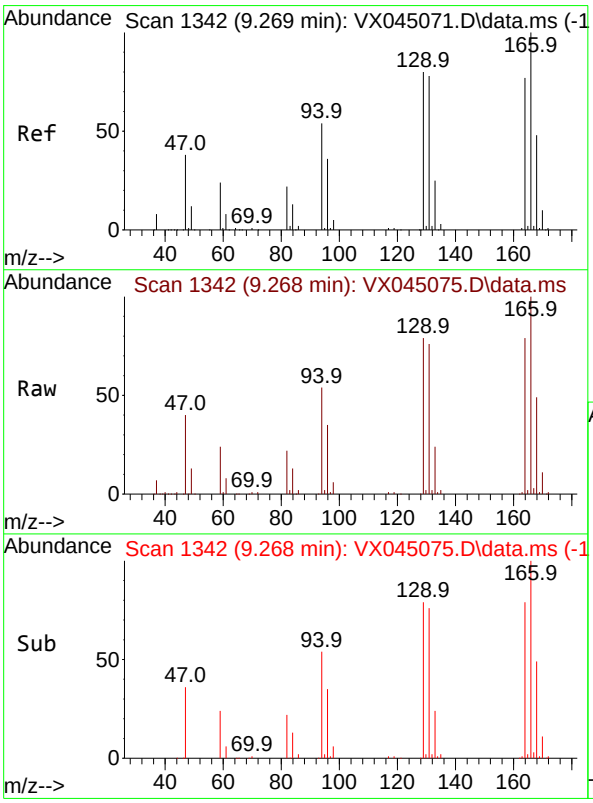
Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

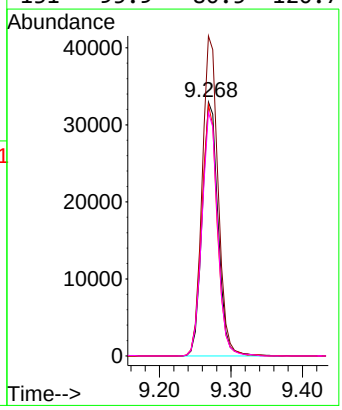
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

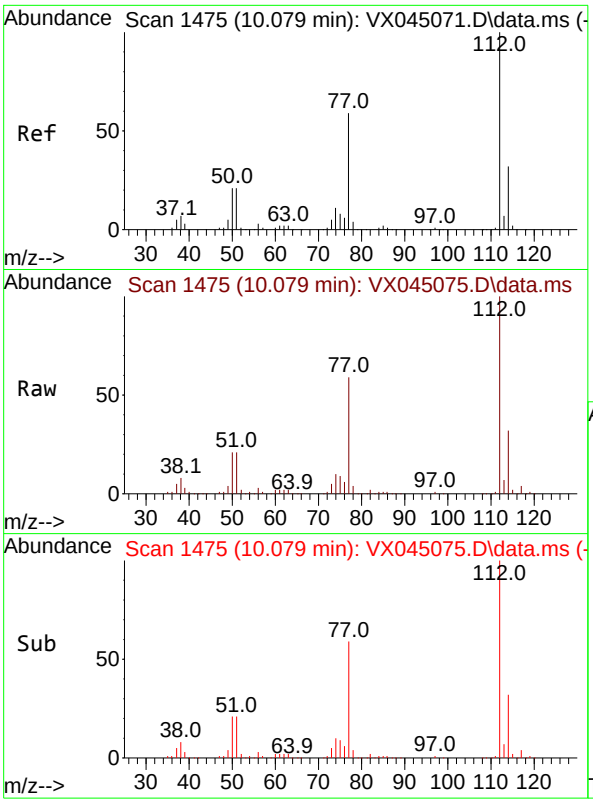


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7

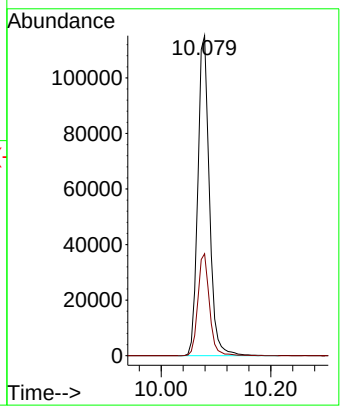




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

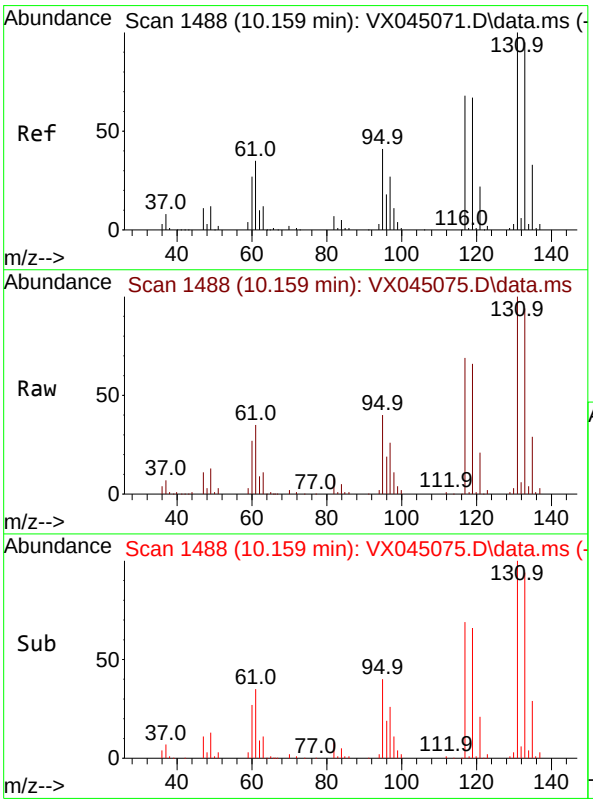
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

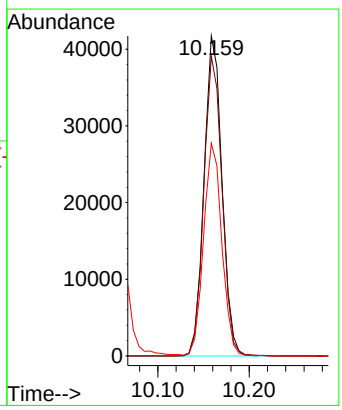
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

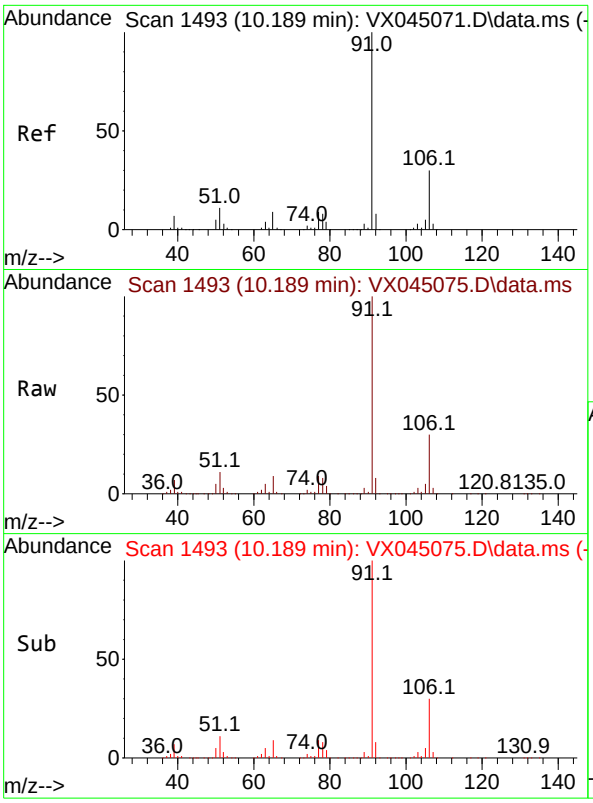


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7

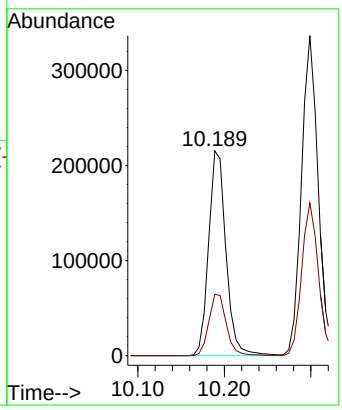




#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 30032

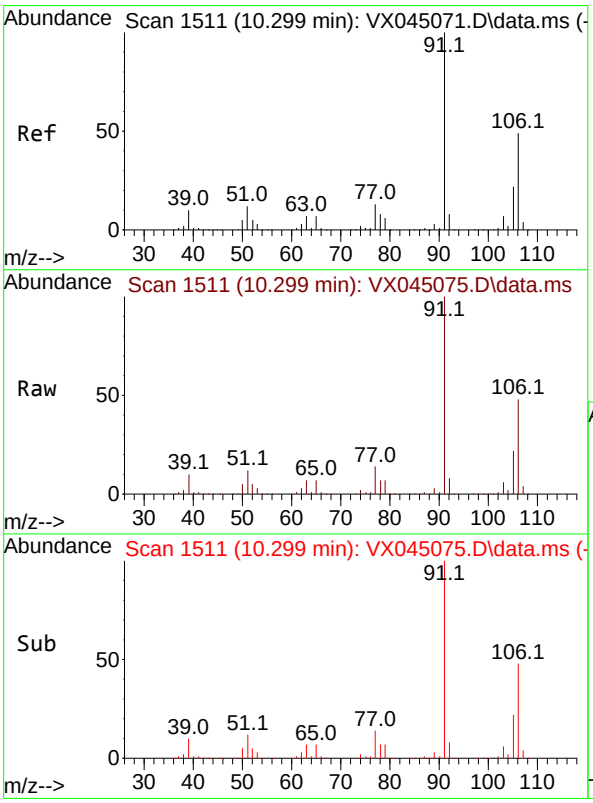
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

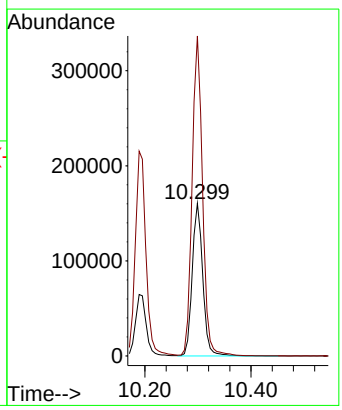
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

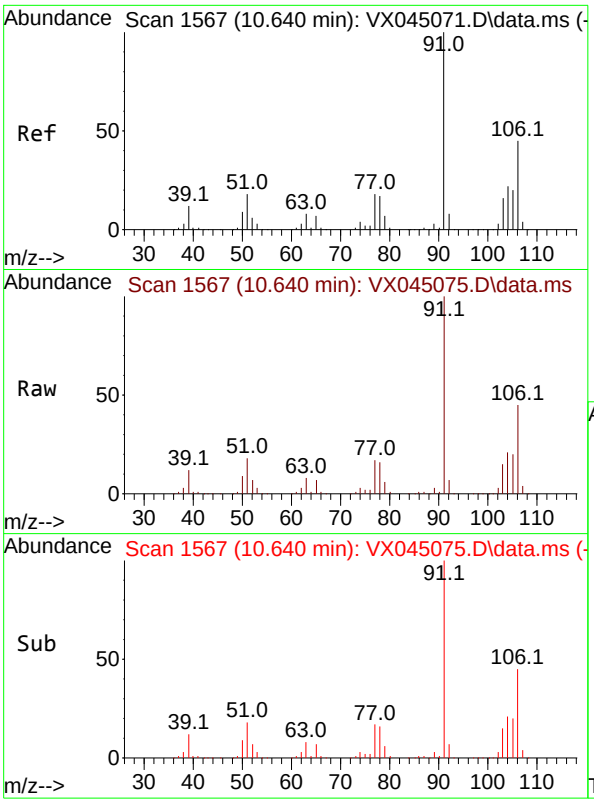


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0

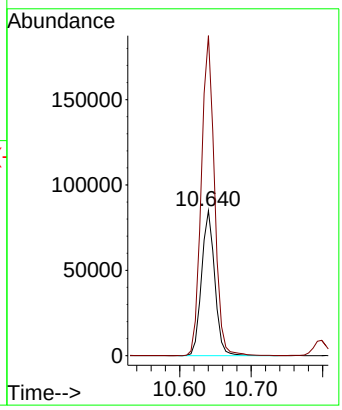




#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 10883

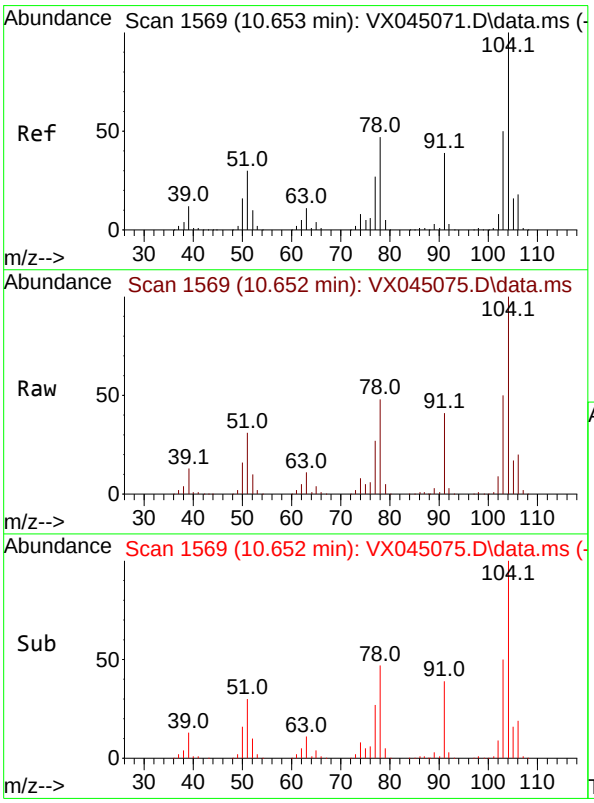
Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

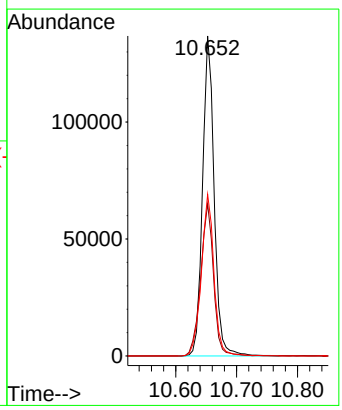
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

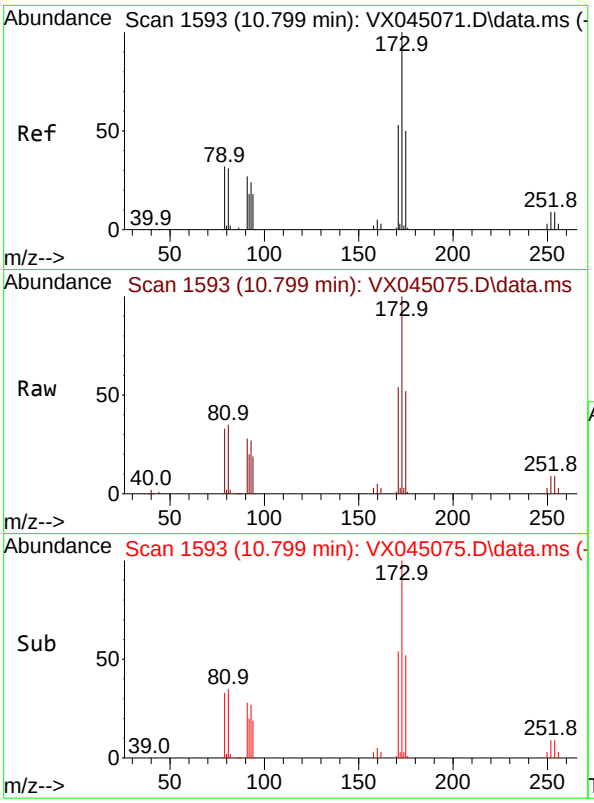


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8

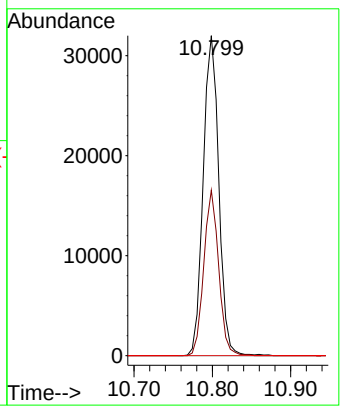




#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

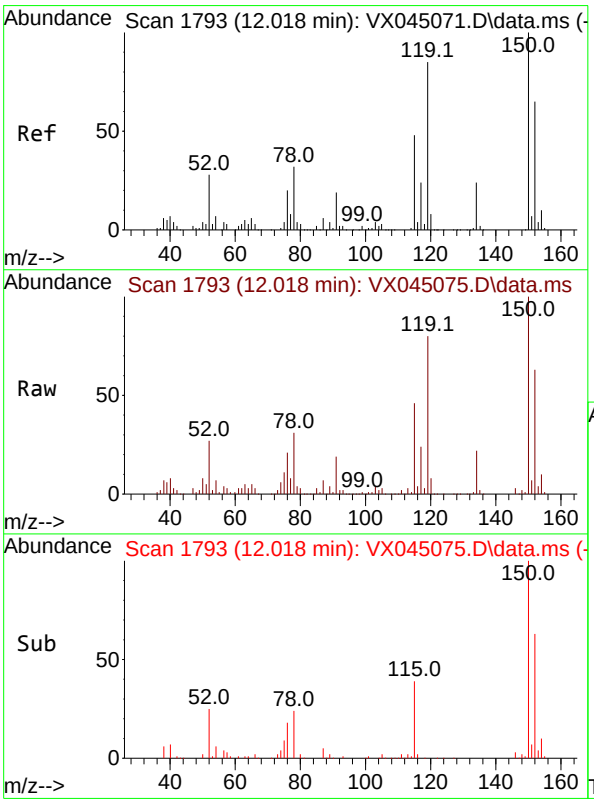
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

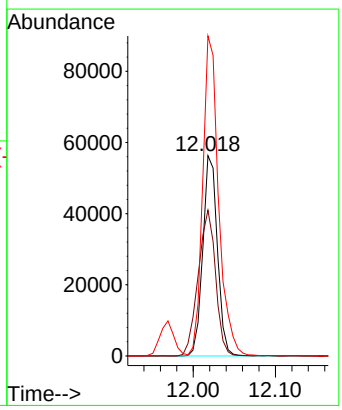
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

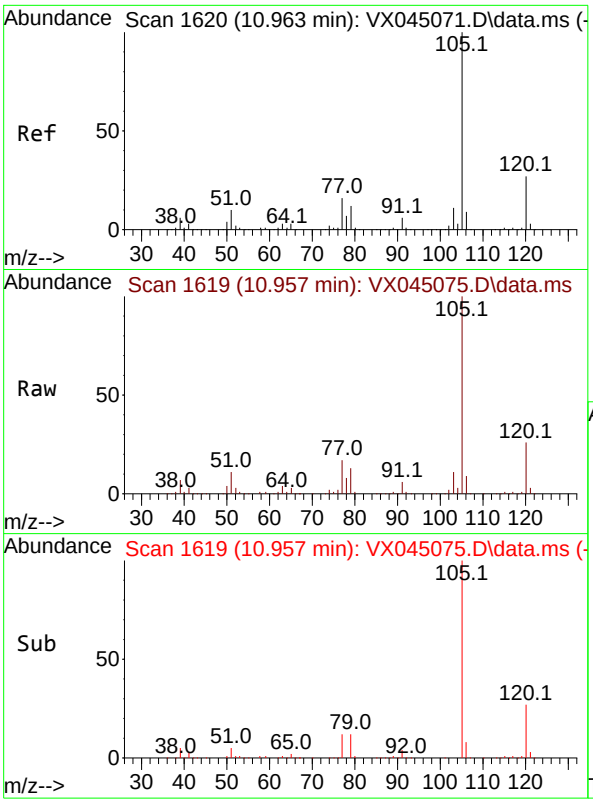


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0

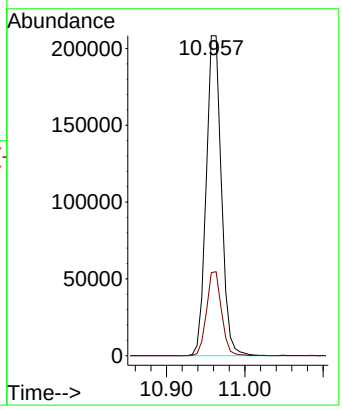




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

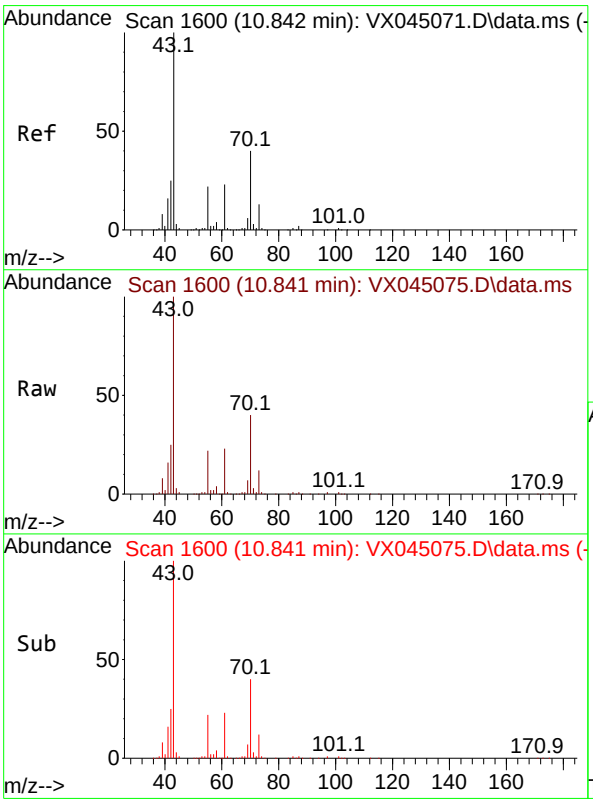
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

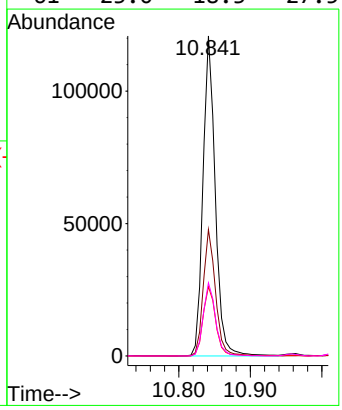
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

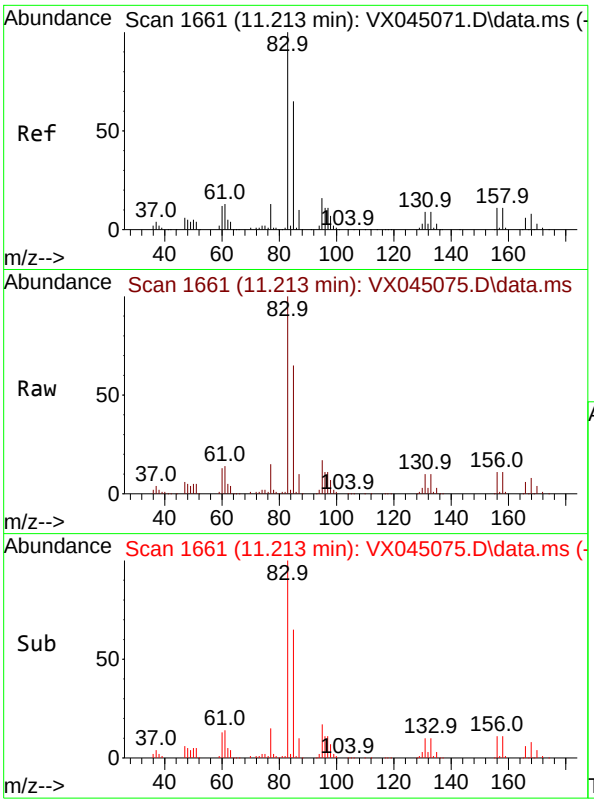


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

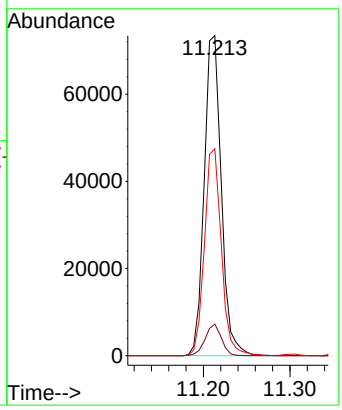




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

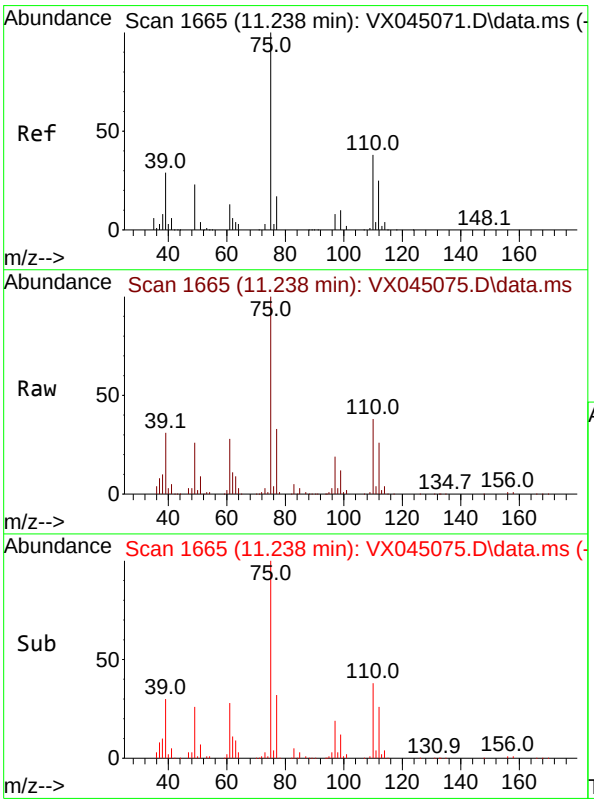
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

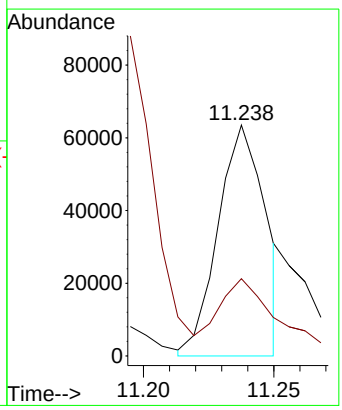
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

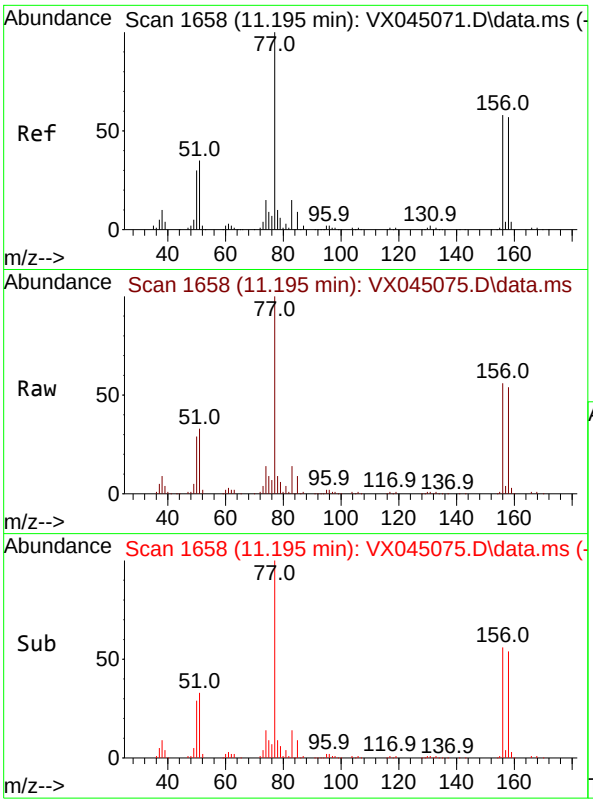


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

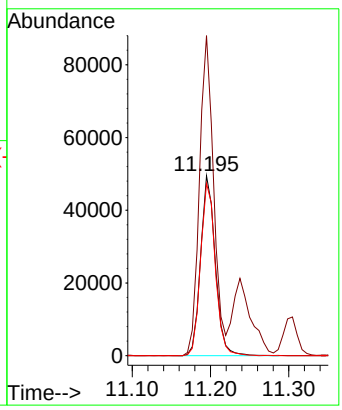




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

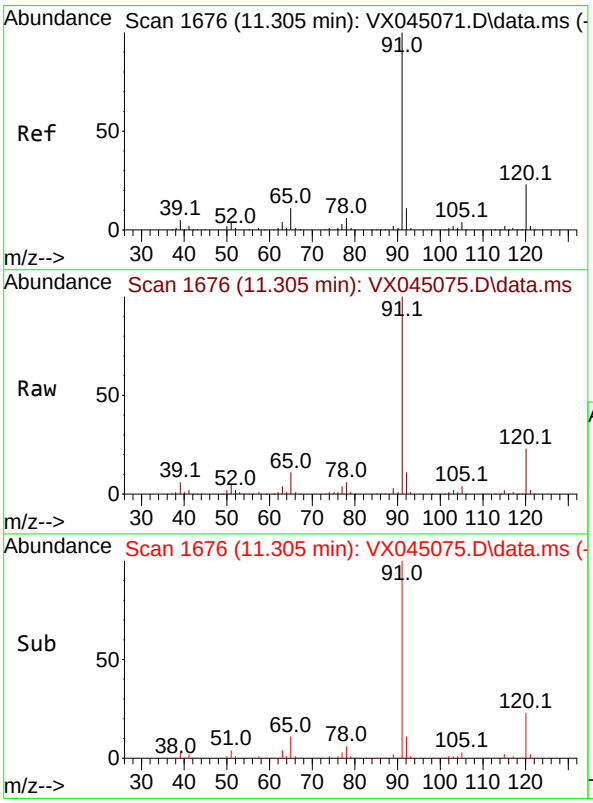
Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

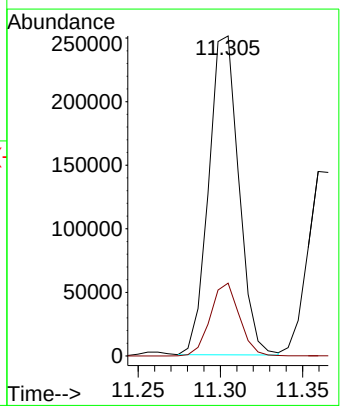
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

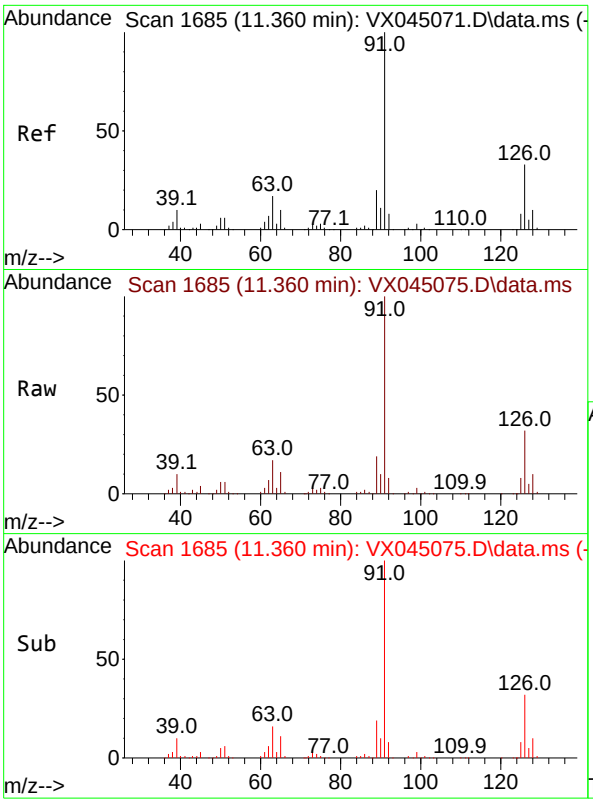


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

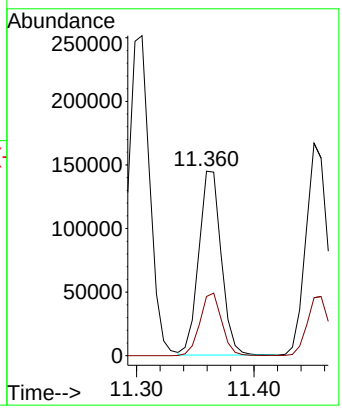
Tgt Ion: 91 Resp: 19215

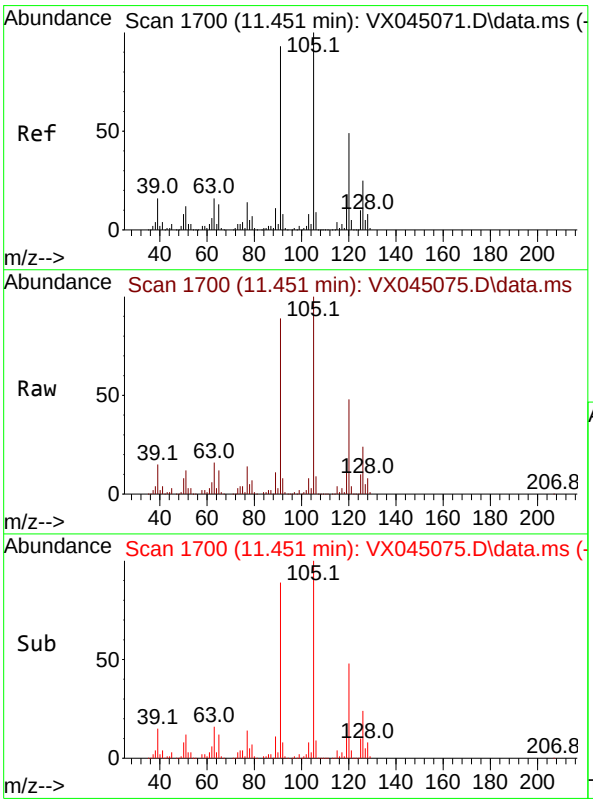
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

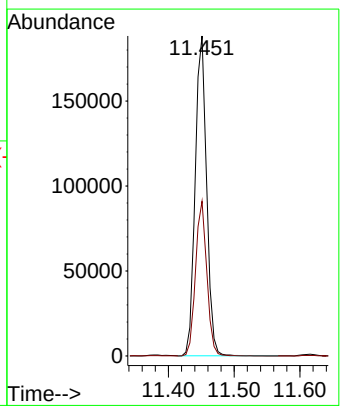


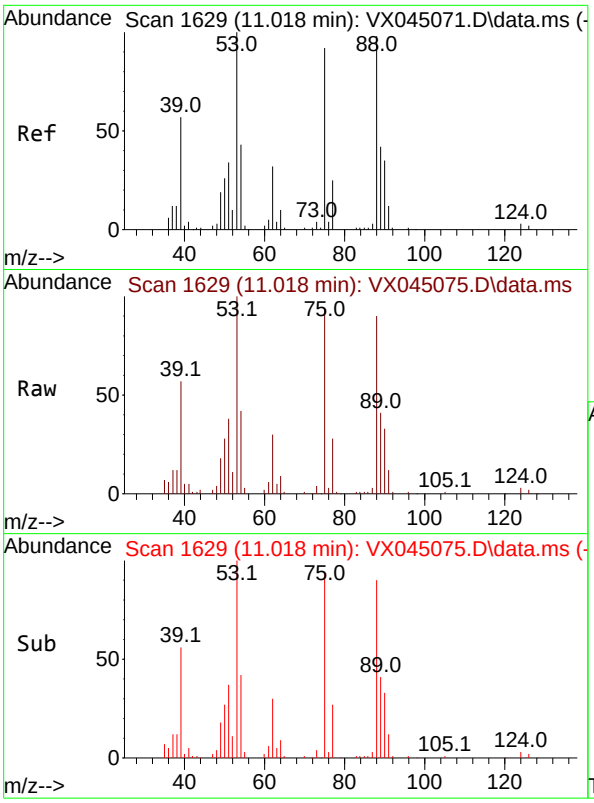


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2

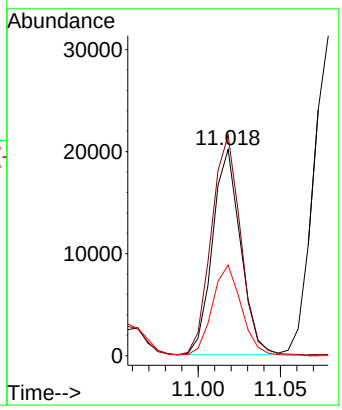




#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 2394

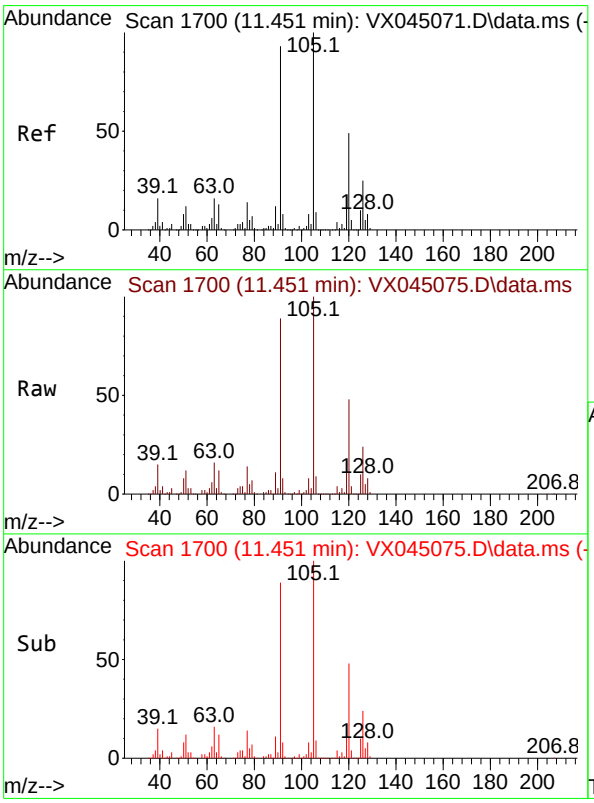
Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

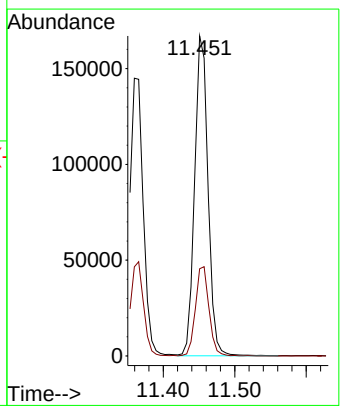
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

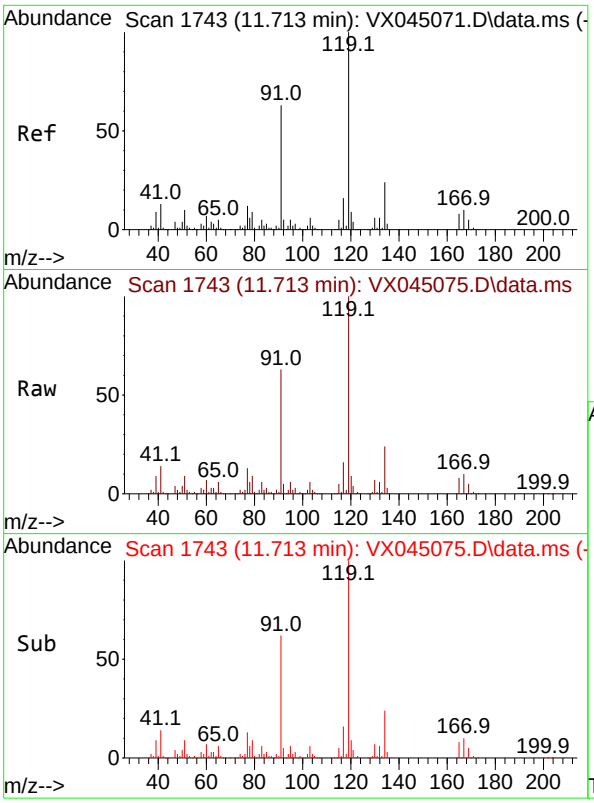


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

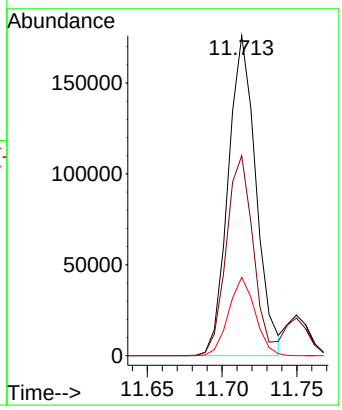




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

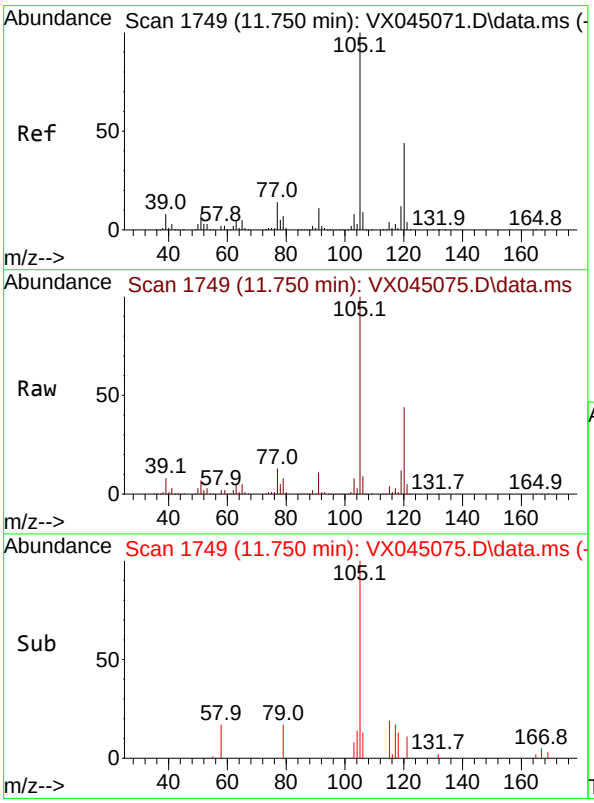
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

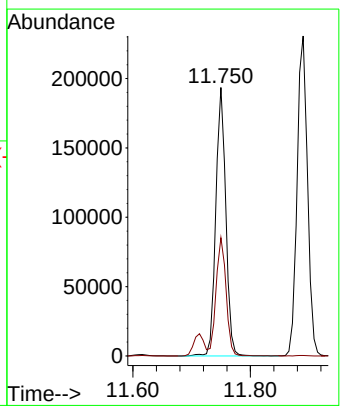
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

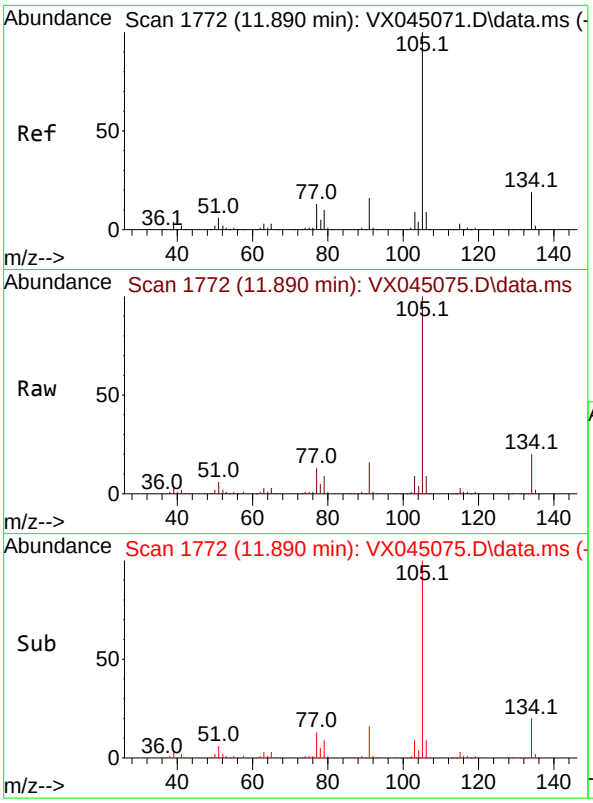


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

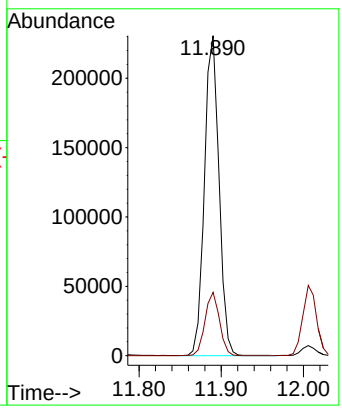
Tgt Ion:105 Resp: 28393

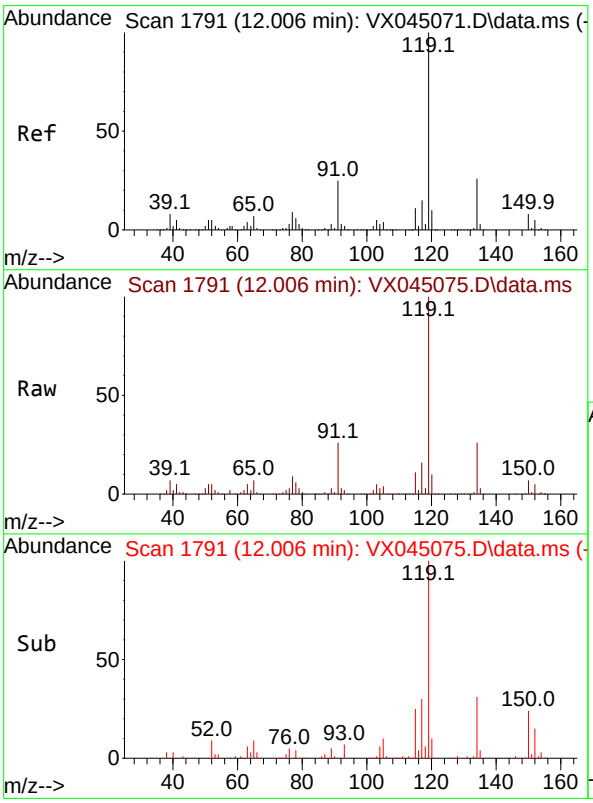
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

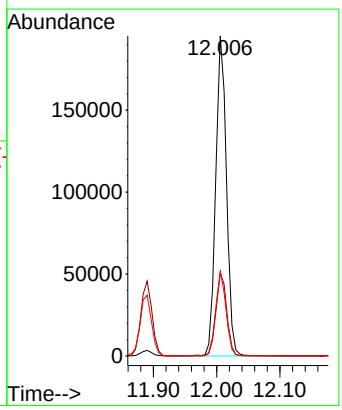


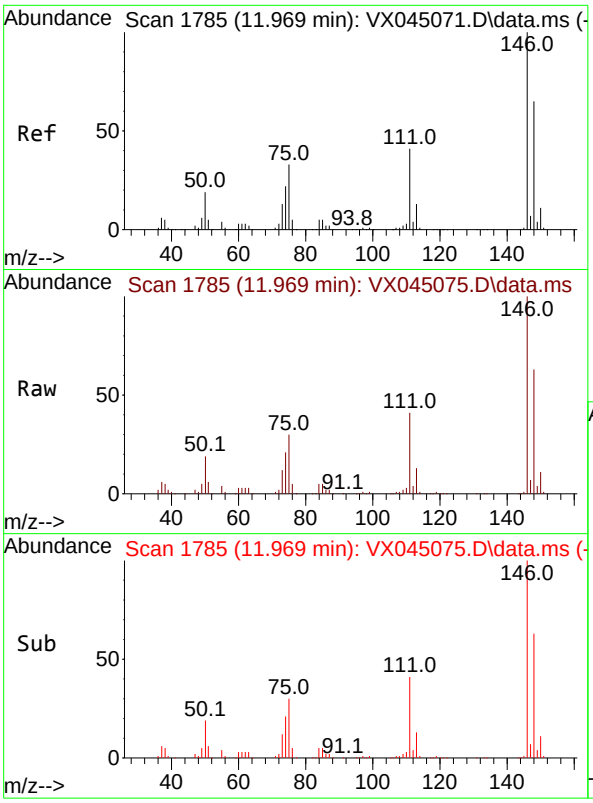


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0

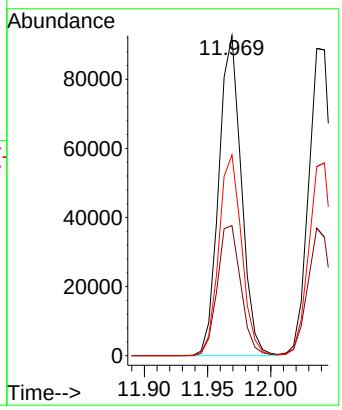




#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11477

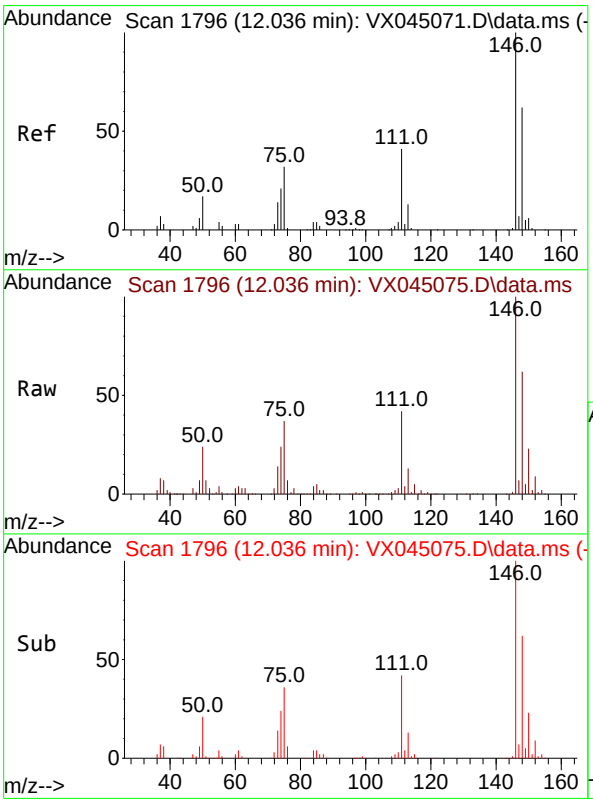
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

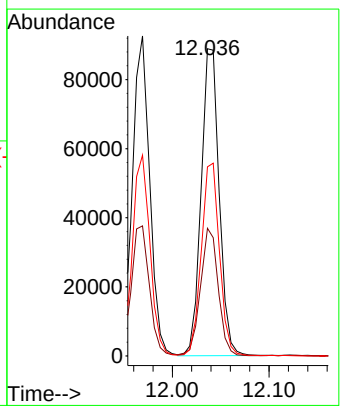
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

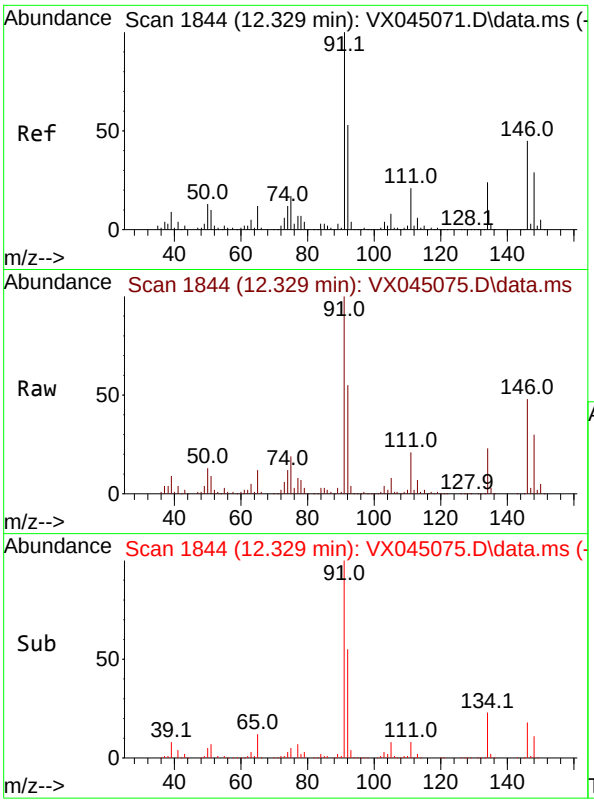


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9

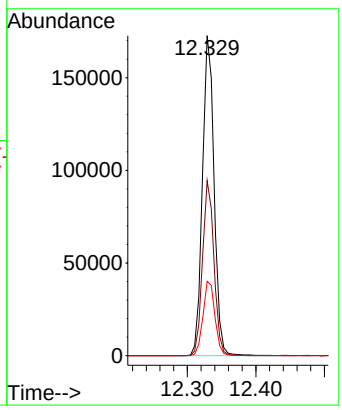




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

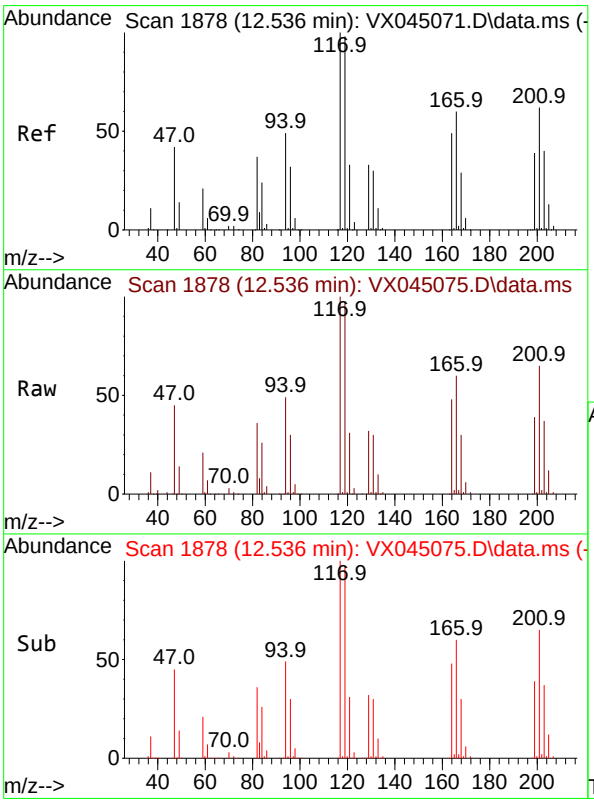
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

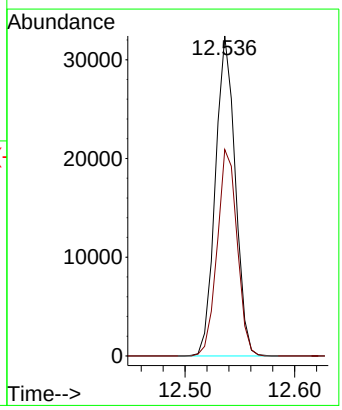
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

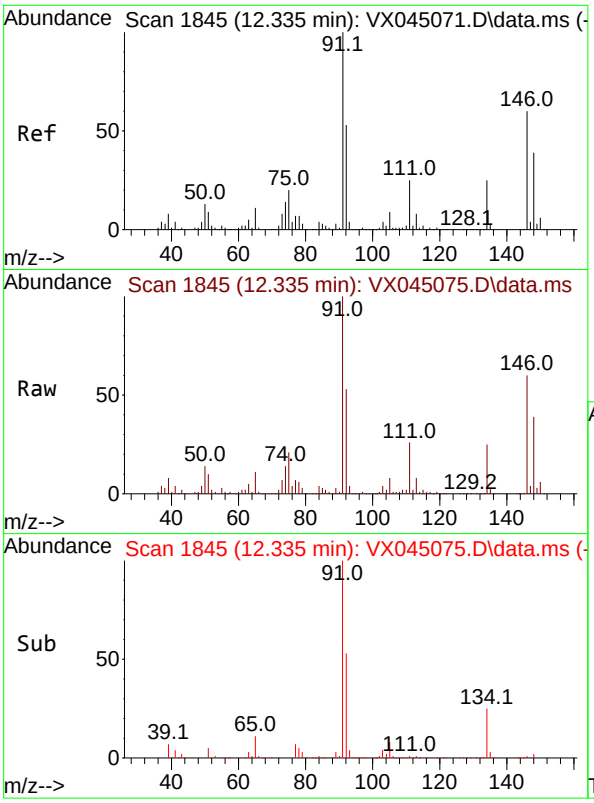


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

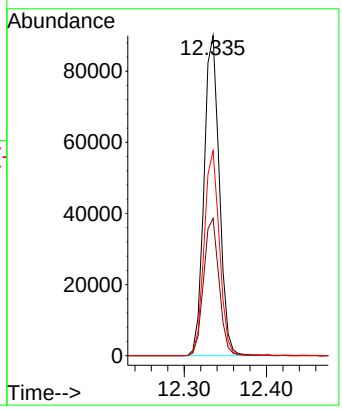




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

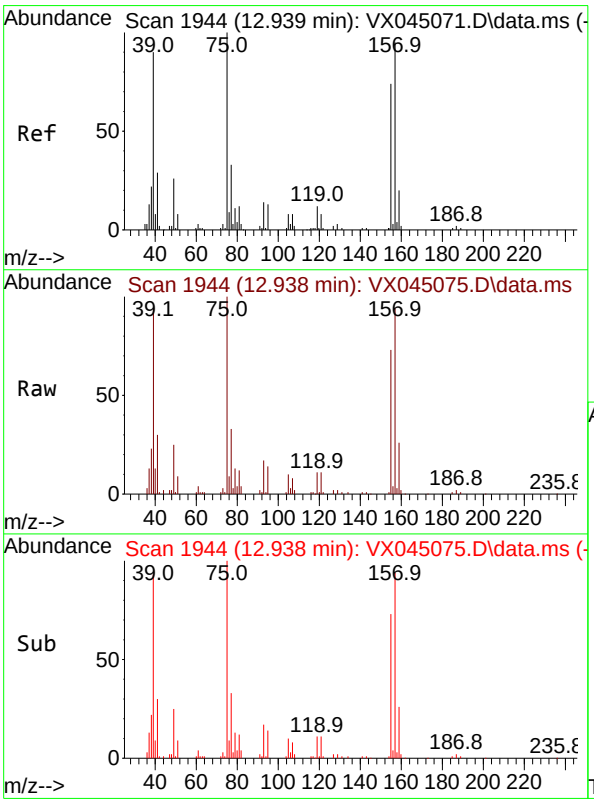
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

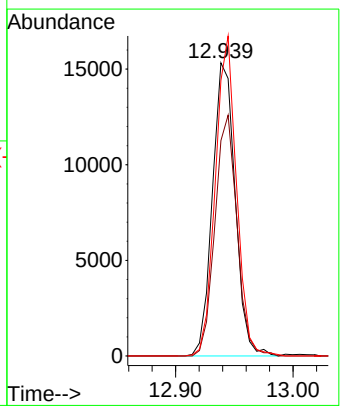
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

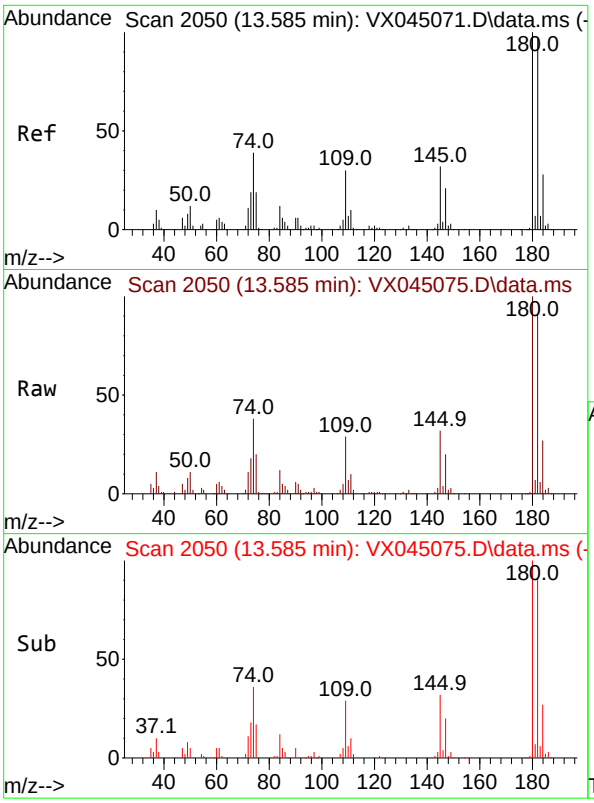


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4

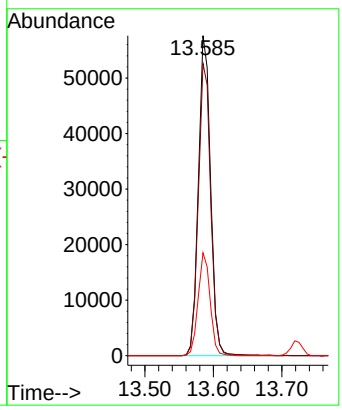




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

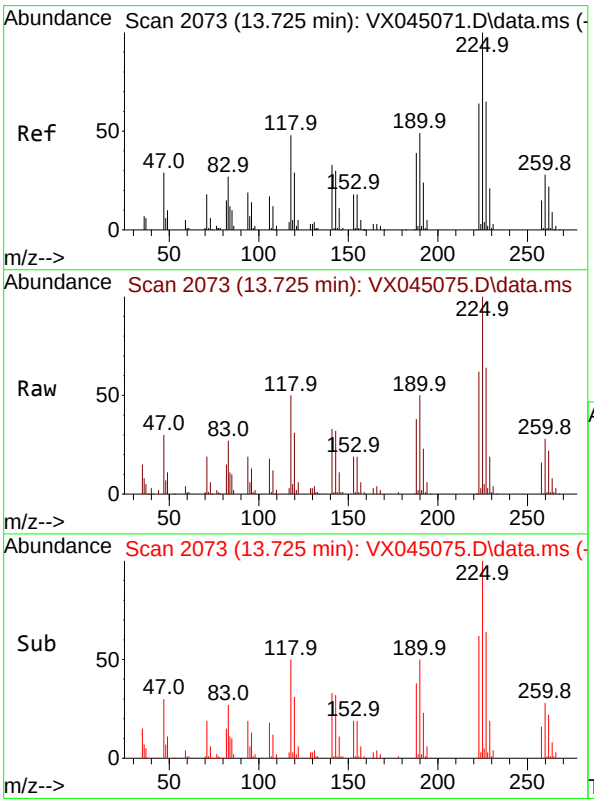
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

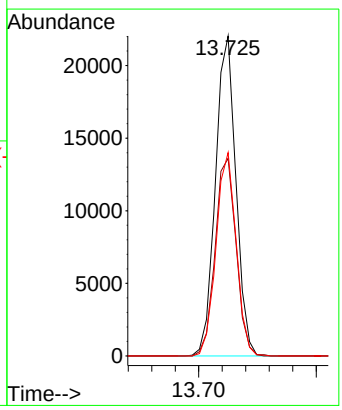
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

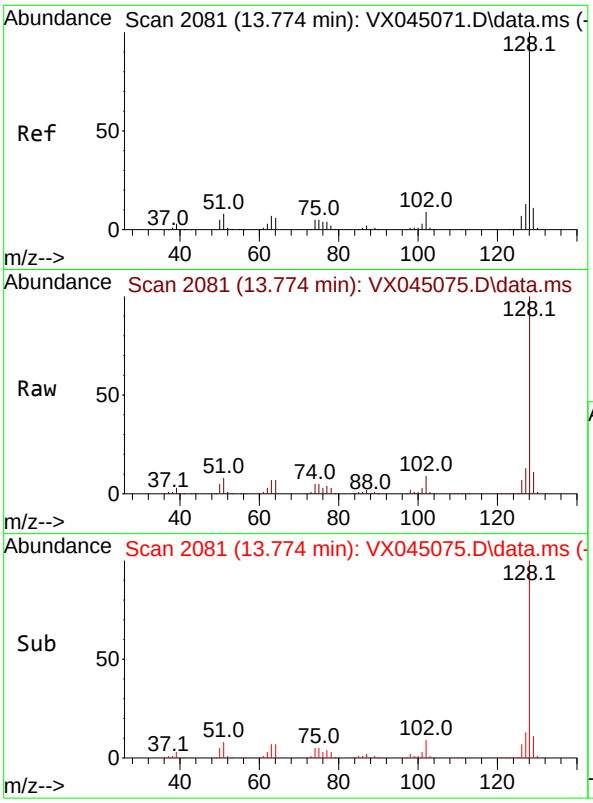


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0

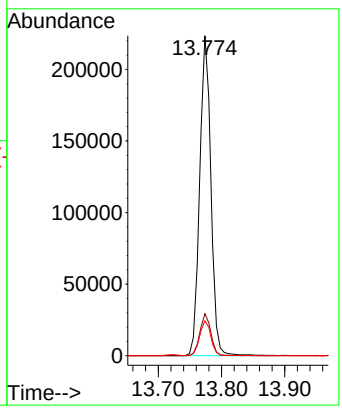




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

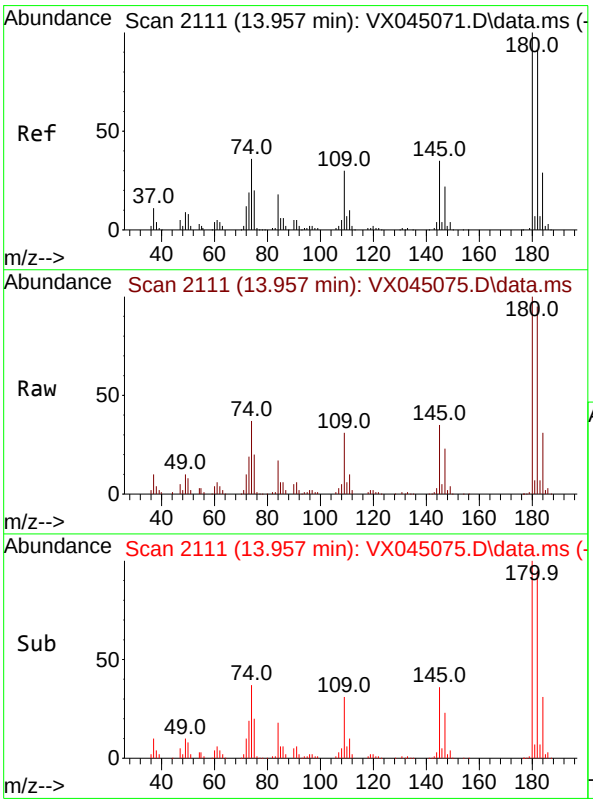
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

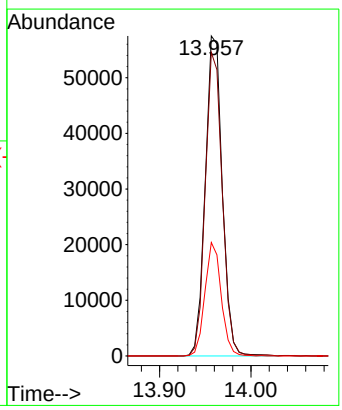
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3	P	Chloromethane	0.770	0.750	2.6	98	0.00
4	C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5	T	Bromomethane	0.300	0.277	7.7	93	0.00
6	T	Chloroethane	0.352	0.296	15.9	78	0.00
7	T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8	T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10	T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11	T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12	CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13	T	Acrolein	0.174	0.189	-8.6	107	0.00
14	T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15	T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16	T	Acetone	0.369	0.358	3.0	100	0.00
17	T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18	T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20	T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22	T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23	T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24	P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25	T	2-Butanone	0.555	0.587	-5.8	100	0.00
26	T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28	T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29	T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30	C	Chloroform	1.239	1.244	-0.4#	98	0.00
31	T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36	T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37	T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38	T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39	T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40	TM	Benzene	1.448	1.482	-2.3	98	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42	TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43	T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44	TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45	C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46	T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48	T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.010	-11.1	102	0.00
50	S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52	CM	Toluene	0.849	0.867	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55	T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56	T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57	T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59	T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60	T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61	T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62	S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65	PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67	C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68	T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69	T	o-Xylene	0.681	0.690	-1.3	95	0.00
70	T	Styrene	1.101	1.149	-4.4	95	0.00
71	P	Bromoform	0.266	0.280	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74	T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77	T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78	T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79	T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82	T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83	T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85	T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86	T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89	T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90	T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94	T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95	T	Naphthalene	3.605	3.977	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.070	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3	P	Chloromethane	50.000	48.696	2.6	98	0.00
4	C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5	T	Bromomethane	50.000	46.190	7.6	93	0.00
6	T	Chloroethane	50.000	41.948	16.1	78	0.00
7	T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8	T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10	T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11	T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12	CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13	T	Acrolein	250.000	271.255	-8.5	107	0.00
14	T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15	T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16	T	Acetone	250.000	242.877	2.8	100	0.00
17	T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18	T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20	T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22	T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23	T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24	P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25	T	2-Butanone	250.000	264.040	-5.6	100	0.00
26	T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28	T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29	T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30	C	Chloroform	50.000	50.236	-0.5#	98	0.00
31	T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36	T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37	T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38	T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39	T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40	TM	Benzene	50.000	51.195	-2.4	98	0.00
41	T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42	TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43	T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44	TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45	C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46	T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47	T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48	T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1049.007	-4.9	102	0.00
50	S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52	CM	Toluene	50.000	51.020	-2.0#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56	T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57	T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59	T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60	T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61	T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65	PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67	C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68	T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69	T	o-Xylene	50.000	50.668	-1.3	95	0.00
70	T	Styrene	50.000	52.177	-4.4	95	0.00
71	P	Bromoform	50.000	52.636	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74	T	N-amyl acetate	50.000	56.851	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77	T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78	T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79	T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82	T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83	T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85	T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86	T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89	T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90	T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94	T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95	T	Naphthalene	50.000	55.163	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.049	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: MSVOA_X Calibration Date/Time: 03/12/2025 10:58

Lab File ID: VX045238.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.623		-0.95	20
Chloromethane	0.770	0.686	0.1	-10.91	20
Vinyl Chloride	0.764	0.686		-10.21	20
Bromomethane	0.300	0.278		-7.33	20
Chloroethane	0.352	0.332		-5.68	20
Trichlorofluoromethane	1.012	0.980		-3.16	20
1,1,2-Trichlorotrifluoroethane	0.581	0.630		8.43	20
1,1-Dichloroethene	0.614	0.599		-2.44	20
Acetone	0.369	0.345		-6.5	20
Carbon Disulfide	1.636	1.414		-13.57	20
Methyl tert-butyl Ether	2.061	2.012		-2.38	20
Methyl Acetate	0.888	1.013		14.08	20
Methylene Chloride	0.731	0.691		-5.47	20
trans-1,2-Dichloroethene	0.607	0.596		-1.81	20
1,1-Dichloroethane	1.247	1.215	0.1	-2.57	20
Cyclohexane	1.082	1.062		-1.85	20
2-Butanone	0.555	0.558		0.54	20
Carbon Tetrachloride	0.465	0.482		3.66	20
cis-1,2-Dichloroethene	0.749	0.743		-0.8	20
Bromochloromethane	0.594	0.588		-1.01	20
Chloroform	1.239	1.231		-0.65	20
1,1,1-Trichloroethane	1.000	0.992		-0.8	20
Methylcyclohexane	0.549	0.607		10.56	20
Benzene	1.448	1.476		1.93	20
1,2-Dichloroethane	0.521	0.550		5.57	20
Trichloroethene	0.340	0.350		2.94	20
1,2-Dichloropropane	0.372	0.378		1.61	20
Bromodichloromethane	0.516	0.551		6.78	20
4-Methyl-2-Pentanone	0.587	0.627		6.81	20
Toluene	0.849	0.884		4.12	20
t-1,3-Dichloropropene	0.431	0.489		13.46	20
cis-1,3-Dichloropropene	0.503	0.560		11.33	20
1,1,2-Trichloroethane	0.350	0.360		2.86	20
2-Hexanone	0.425	0.450		5.88	20
Dibromochloromethane	0.366	0.392		7.1	20
1,2-Dibromoethane	0.349	0.365		4.59	20
Tetrachloroethene	0.320	0.335		4.69	20
Chlorobenzene	1.058	1.098	0.3	3.78	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: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: MSVOA_X Calibration Date/Time: 03/12/2025 10:58

Lab File ID: VX045238.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.969		6.84	20
m/p-Xylenes	0.675	0.729		8	20
o-Xylene	0.681	0.719		5.58	20
Styrene	1.101	1.194		8.45	20
Bromoform	0.266	0.281	0.1	5.64	20
Isopropylbenzene	3.903	4.189		7.33	20
1,1,2,2-Tetrachloroethane	1.432	1.430	0.3	-0.14	20
1,3-Dichlorobenzene	1.643	1.719		4.63	20
1,4-Dichlorobenzene	1.662	1.666		0.24	20
1,2-Dichlorobenzene	1.648	1.691		2.61	20
1,2-Dibromo-3-Chloropropane	0.279	0.292		4.66	20
1,2,4-Trichlorobenzene	0.938	1.031		9.91	20
1,2,3-Trichlorobenzene	0.990	1.071		8.18	20
1,2-Dichloroethane-d4	0.795	0.751		-5.53	20
Dibromofluoromethane	0.334	0.337		0.9	20
Toluene-d8	1.212	1.179		-2.72	20
4-Bromofluorobenzene	0.402	0.405		0.75	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\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	103487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	178691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77670	47.184	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.360%			
35) Dibromofluoromethane	5.379	113	60262	50.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	8.647	98	210656	48.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	72321	50.383	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64428	49.459	ug/l	97
3) Chloromethane	1.306	50	70980	44.525	ug/l	100
4) Vinyl Chloride	1.373	62	71024	44.911	ug/l	98
5) Bromomethane	1.593	94	28738	46.226	ug/l	100
6) Chloroethane	1.660	64	34403	47.163	ug/l	99
7) Trichlorofluoromethane	1.867	101	101402	48.436	ug/l	100
8) Diethyl Ether	2.129	74	35526	43.384	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	65247	54.247	ug/l	100
10) Methyl Iodide	2.440	142	77742	51.721	ug/l	98
11) Tert butyl alcohol	2.983	59	57025	182.890	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61960	48.725	ug/l	95
13) Acrolein	2.233	56	72068	199.949	ug/l	100
14) Allyl chloride	2.654	41	115209	50.897	ug/l	98
15) Acrylonitrile	3.062	53	206979	247.683	ug/l	99
16) Acetone	2.385	43	178769	234.069	ug/l	98
17) Carbon Disulfide	2.501	76	146295	43.194	ug/l	96
18) Methyl Acetate	2.702	43	104831	57.056	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	208220	48.805	ug/l	98
20) Methylene Chloride	2.782	84	71555	47.297	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	61640	49.065	ug/l	98
22) Diisopropyl ether	3.757	45	230699	50.113	ug/l	91
23) Vinyl Acetate	3.721	43	982839	255.834	ug/l	100
24) 1,1-Dichloroethane	3.605	63	125762	48.745	ug/l	99
25) 2-Butanone	4.556	43	288524	250.972	ug/l	98
26) 2,2-Dichloropropane	4.464	77	84970	70.215	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76911	49.593	ug/l	96
28) Bromochloromethane	4.891	49	60817	49.455	ug/l	98
29) Tetrahydrofuran	5.007	42	183826	238.107	ug/l	99
30) Chloroform	5.086	83	127343	49.675	ug/l	99
31) Cyclohexane	5.458	56	109954	49.096	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	102657	49.582	ug/l	98
36) 1,1-Dichloropropene	5.684	75	82200	50.164	ug/l	99
37) Ethyl Acetate	4.714	43	106925	50.640	ug/l	99
38) Carbon Tetrachloride	5.665	117	86162	51.792	ug/l	98
39) Methylcyclohexane	7.372	83	108454	55.236	ug/l	96
40) Benzene	6.031	78	263814	50.984	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	62075	54.370	ug/l		99
42) 1,2-Dichloroethane	6.080	62	98340	52.777	ug/l		98
43) Isopropyl Acetate	6.336	43	165899	53.134	ug/l		100
44) Trichloroethene	7.122	130	62545	51.477	ug/l		93
45) 1,2-Dichloropropane	7.427	63	67501	50.738	ug/l		100
46) Dibromomethane	7.574	93	49669	52.820	ug/l		97
47) Bromodichloromethane	7.817	83	98418	53.359	ug/l		97
48) Methyl methacrylate	7.689	41	84926	54.217	ug/l		97
49) 1,4-Dioxane	7.665	88	29129	881.577	ug/l		96
51) 4-Methyl-2-Pentanone	8.573	43	560361	267.292	ug/l		100
52) Toluene	8.714	92	158015	52.048	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87297	56.614	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	100008	55.619	ug/l		92
55) 1,1,2-Trichloroethane	9.146	97	64282	51.433	ug/l		99
56) Ethyl methacrylate	9.116	69	103151	54.295	ug/l		98
57) 1,3-Dichloropropane	9.305	76	110498	51.088	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	252540	272.503	ug/l		99
59) 2-Hexanone	9.427	43	402089	264.714	ug/l		99
60) Dibromochloromethane	9.518	129	70119	53.657	ug/l		98
61) 1,2-Dibromoethane	9.610	107	65196	52.253	ug/l		98
64) Tetrachloroethene	9.268	164	51914	52.291	ug/l		93
65) Chlorobenzene	10.079	112	170219	51.896	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	56871	52.065	ug/l		97
67) Ethyl Benzene	10.189	91	305213	53.404	ug/l		98
68) m/p-Xylenes	10.299	106	226136	108.086	ug/l		100
69) o-Xylene	10.640	106	111458	52.821	ug/l		99
70) Styrene	10.652	104	185074	54.206	ug/l		99
71) Bromoform	10.799	173	43586	52.915	ug/l	#	99
73) Isopropylbenzene	10.957	105	289454	53.664	ug/l		99
74) N-amyl acetate	10.841	43	135717	53.623	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	98799	49.915	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	79716m	49.562	ug/l		
77) Bromobenzene	11.195	156	63463	49.867	ug/l		96
78) n-propylbenzene	11.305	91	339244	55.677	ug/l		99
79) 2-Chlorotoluene	11.359	91	199628	51.445	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	233921	53.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26430	56.234	ug/l		95
82) 4-Chlorotoluene	11.451	91	224700	53.131	ug/l		99
83) tert-Butylbenzene	11.713	119	234893	52.418	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	232840	53.059	ug/l		99
85) sec-Butylbenzene	11.890	105	299296	55.757	ug/l		98
86) p-Isopropyltoluene	12.006	119	242520	55.906	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	118773	52.316	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	115129	50.124	ug/l		98
89) n-Butylbenzene	12.329	91	222544	59.564	ug/l		99
90) Hexachloroethane	12.536	117	41457	52.836	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	116879	51.320	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20186	52.348	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	71214	54.915	ug/l		100
94) Hexachlorobutadiene	13.725	225	29653	55.774	ug/l		99
95) Naphthalene	13.774	128	264311	53.049	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	73996	54.089	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

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

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

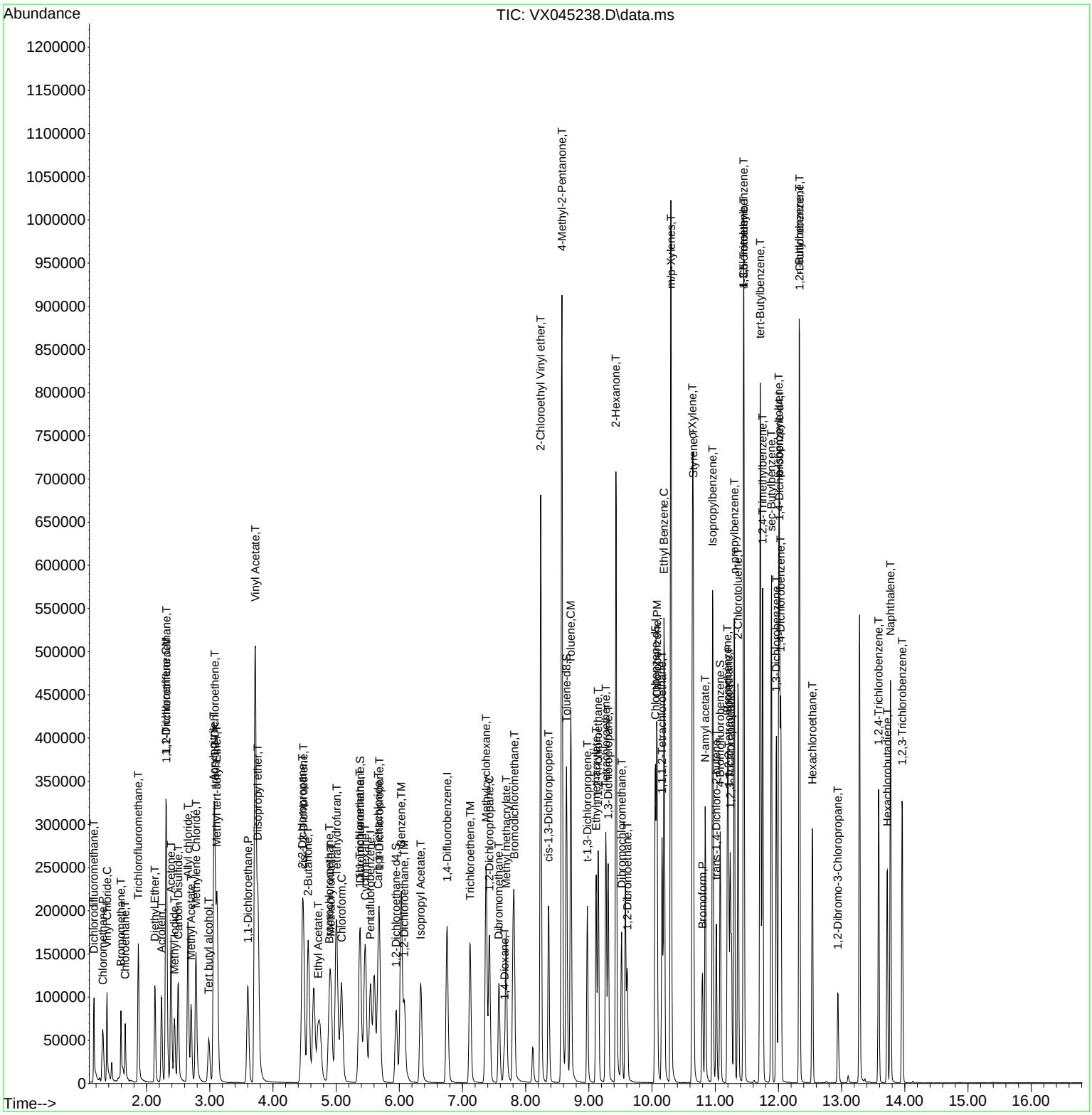
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

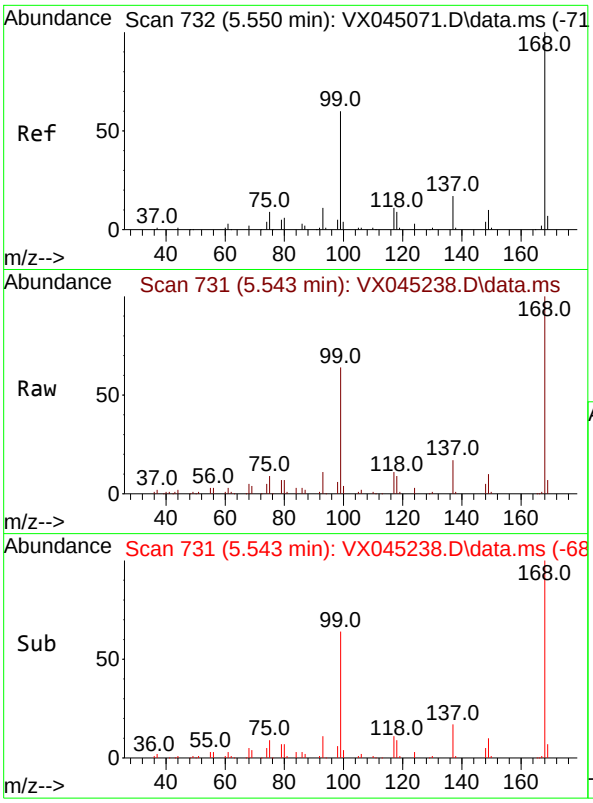
Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

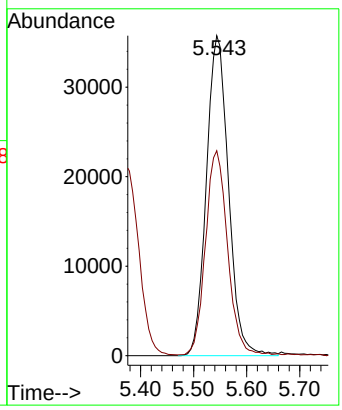




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:168 Resp: 10348

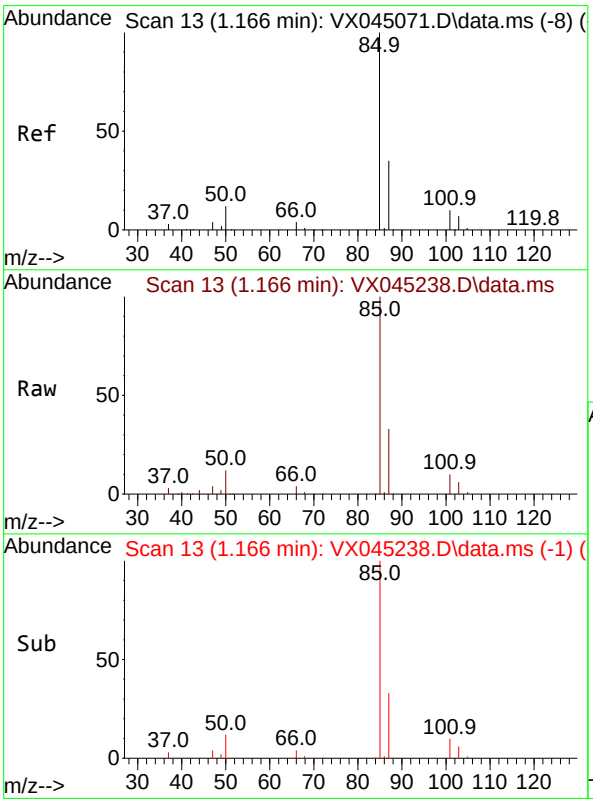
Ion	Ratio	Lower	Upper
168	100		
99	63.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

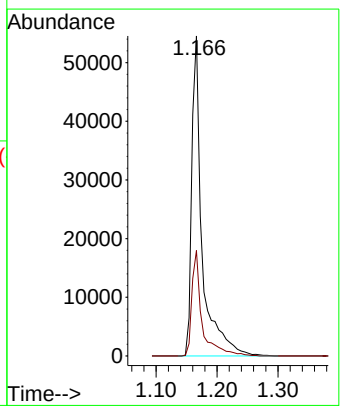
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

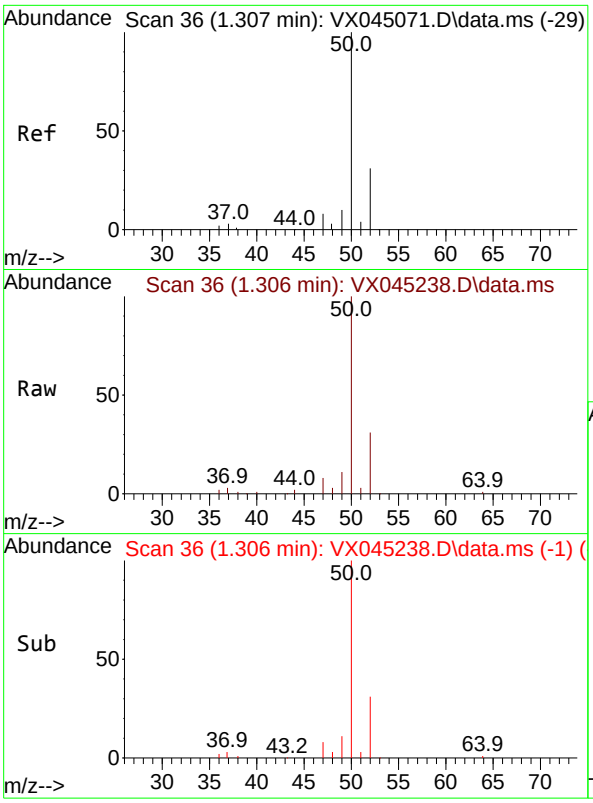


#2
Dichlorodifluoromethane
Concen: 49.459 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 85 Resp: 64428

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3

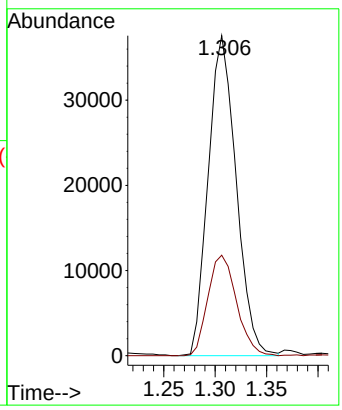




#3
Chloromethane
Concen: 44.525 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 50 Resp: 7098

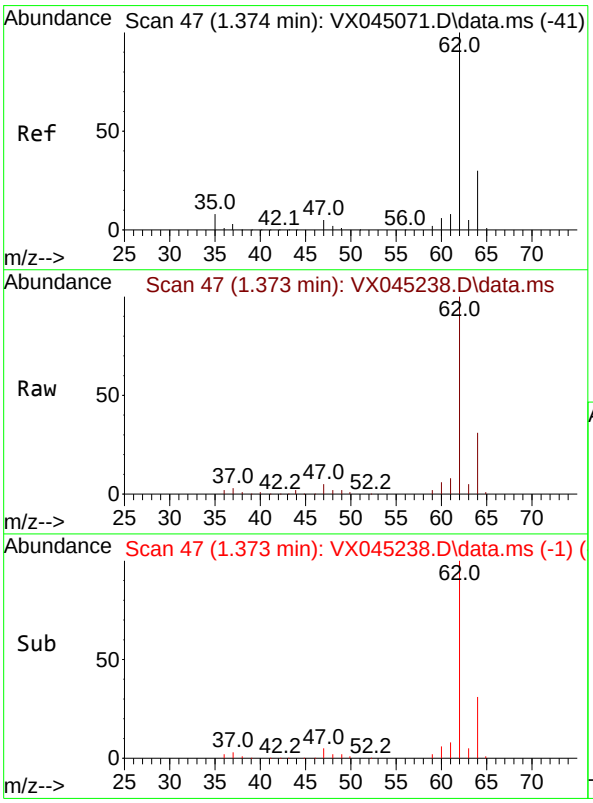
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

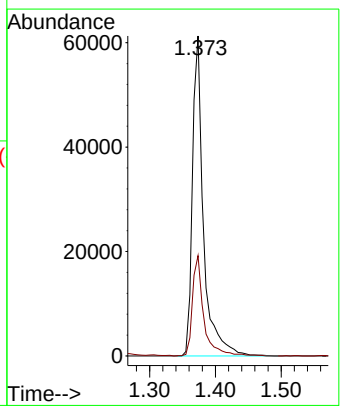
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

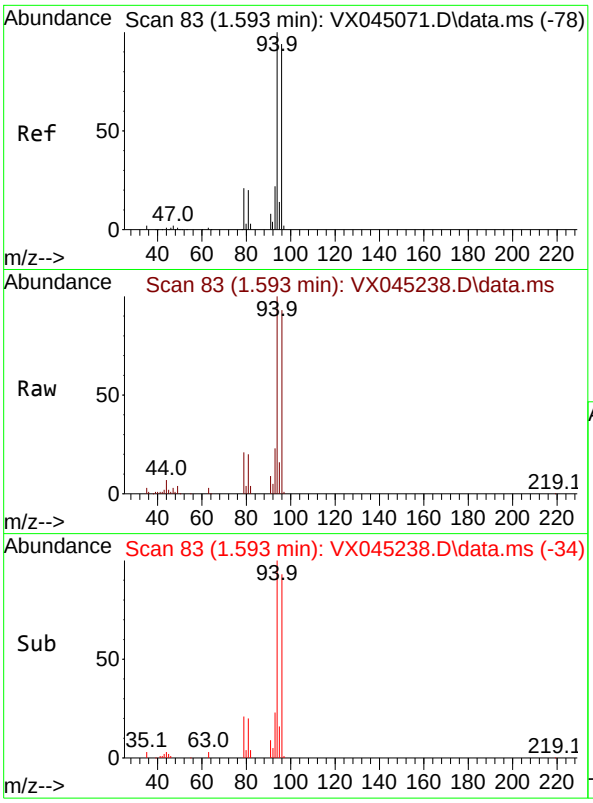


#4
Vinyl Chloride
Concen: 44.911 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 62 Resp: 71024

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5

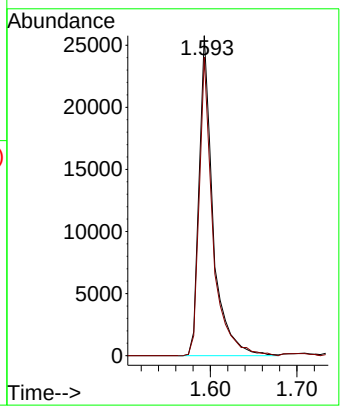




#5
Bromomethane
Concen: 46.226 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 94 Resp: 2873

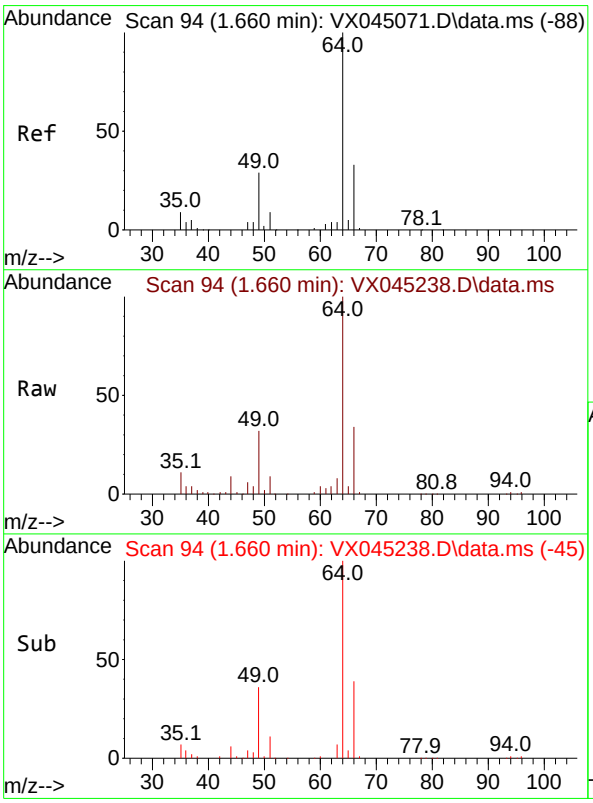
Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

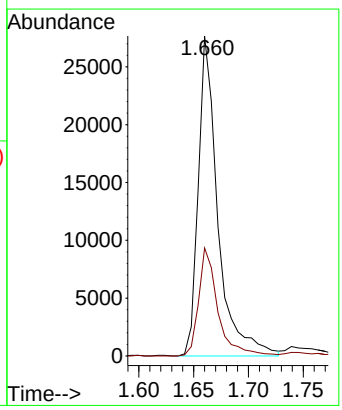
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

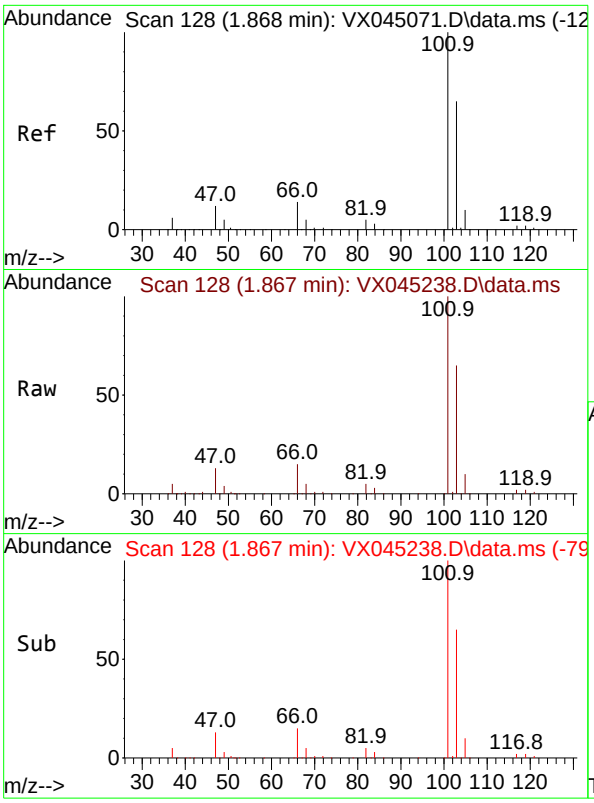


#6
Chloroethane
Concen: 47.163 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 64 Resp: 34403

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.7	40.1





#7
Trichlorofluoromethane
Concen: 48.436 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

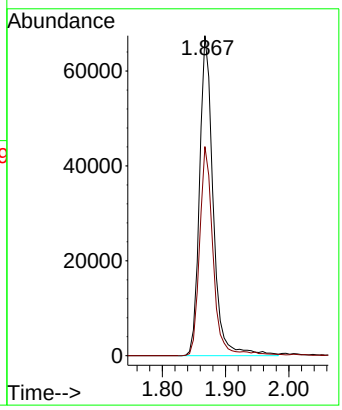
Tgt Ion:101 Resp: 10140

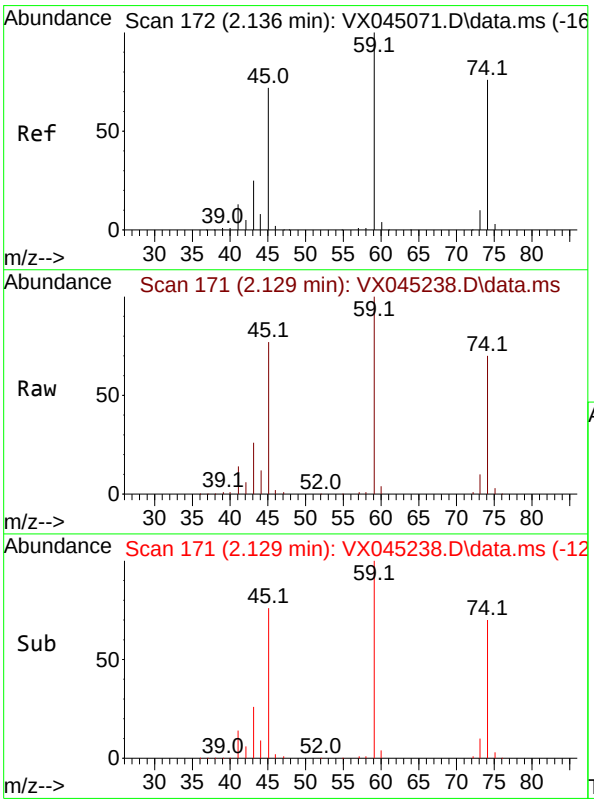
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

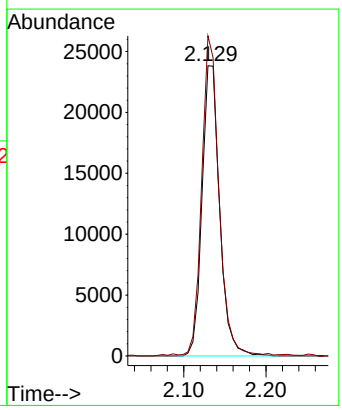


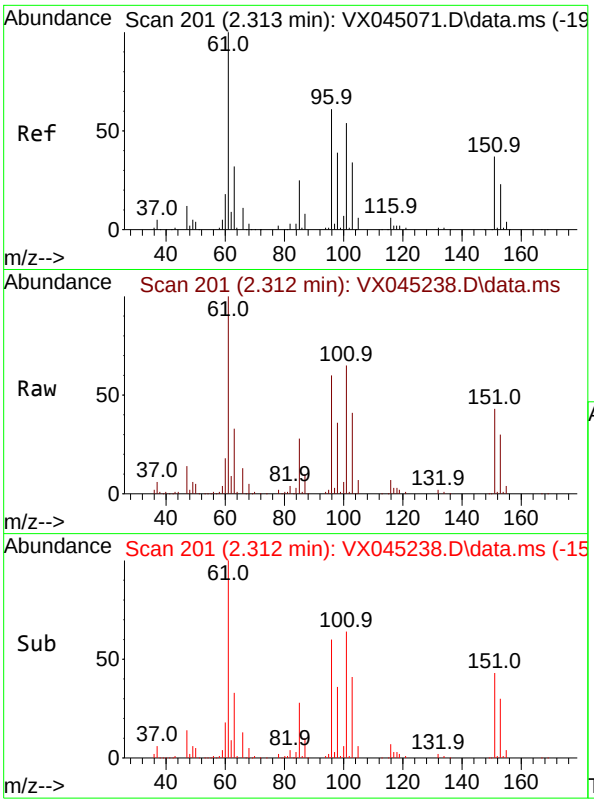


#8
Diethyl Ether
Concen: 43.384 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 74 Resp: 35526

Ion	Ratio	Lower	Upper
74	100		
45	108.6	51.5	154.5

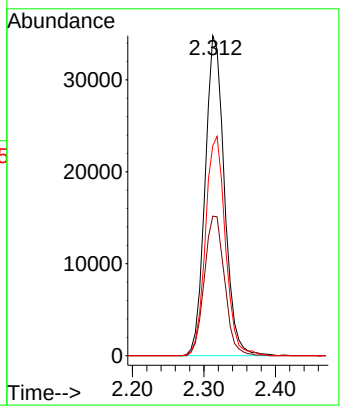




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.247 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:101 Resp: 6524

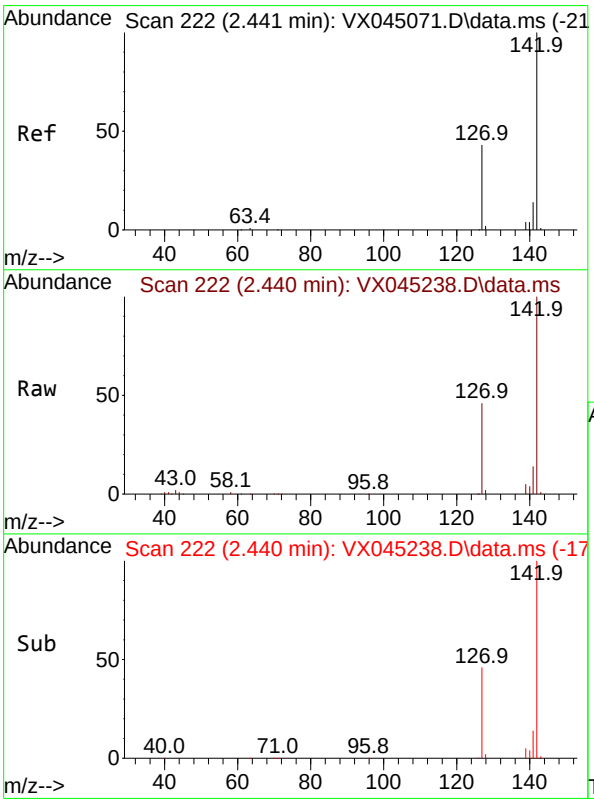
Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

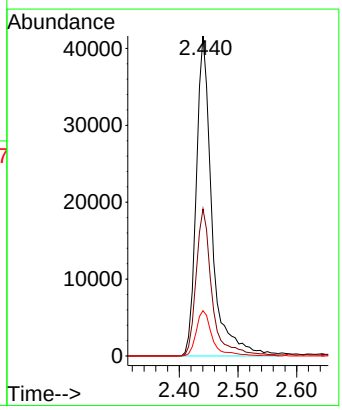
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

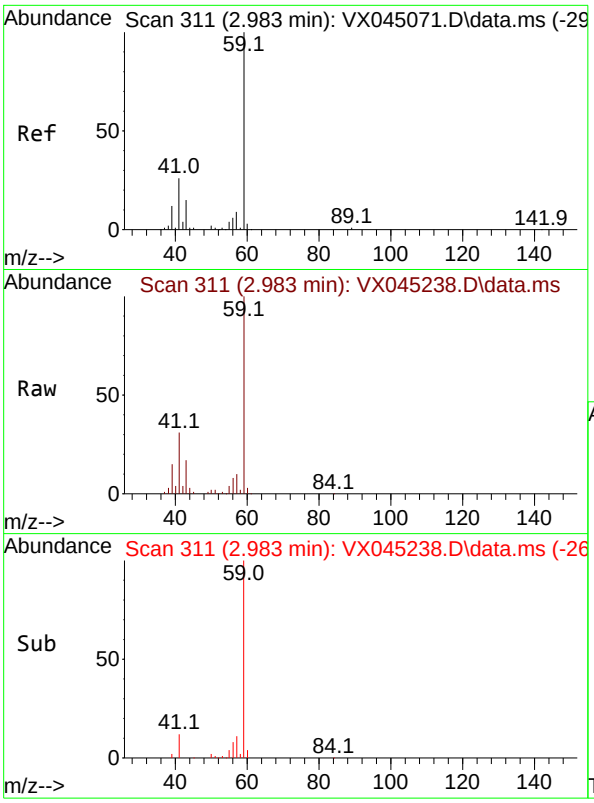


#10
Methyl Iodide
Concen: 51.721 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:142 Resp: 77742

Ion	Ratio	Lower	Upper
142	100		
127	46.2	35.4	53.2
141	14.3	11.6	17.4

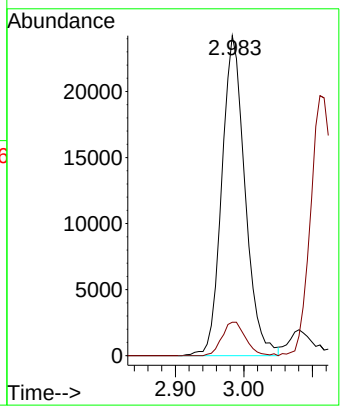




#11
Tert butyl alcohol
Concen: 182.890 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 59 Resp: 5702

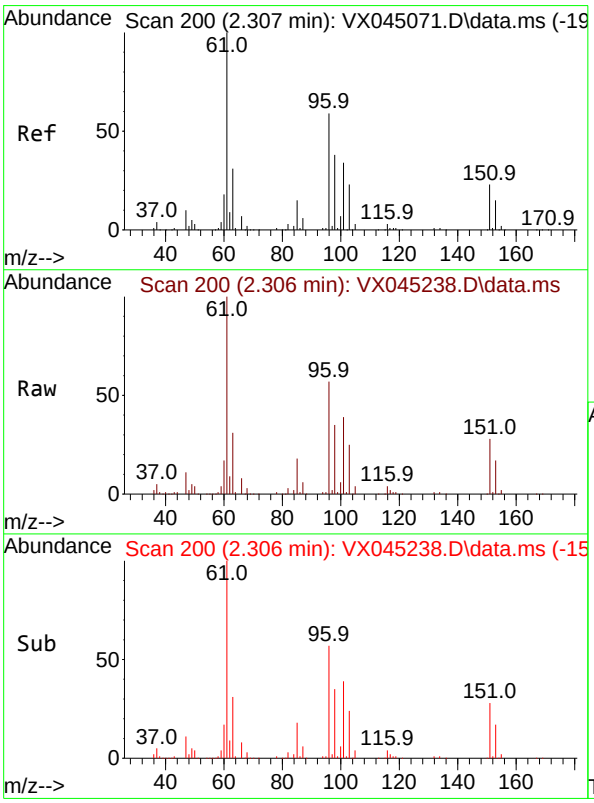
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

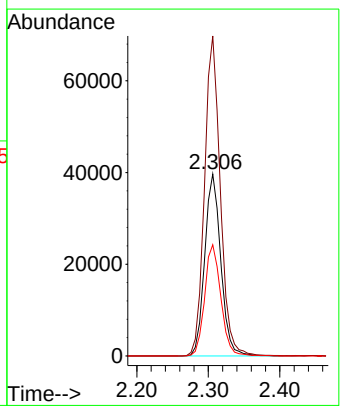
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

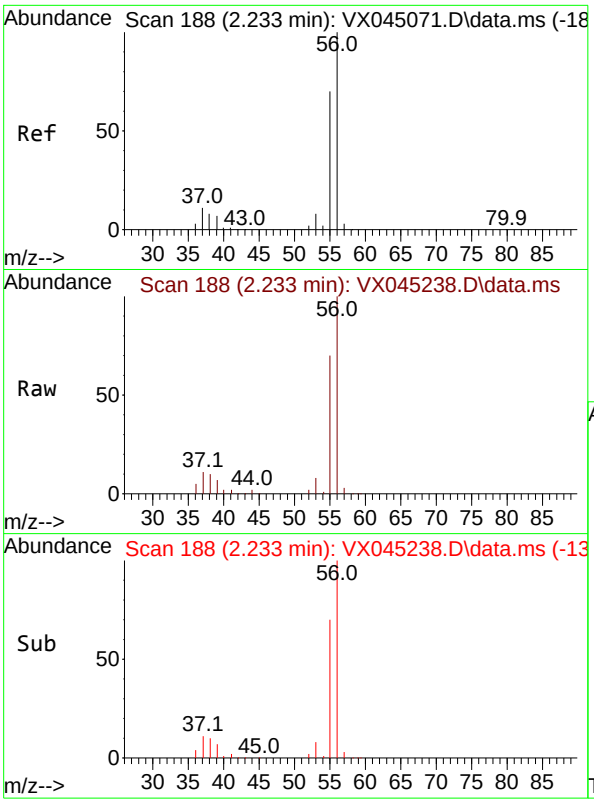


#12
1,1-Dichloroethene
Concen: 48.725 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 96 Resp: 61960

Ion	Ratio	Lower	Upper
96	100		
61	175.8	134.6	202.0
98	61.1	51.0	76.6

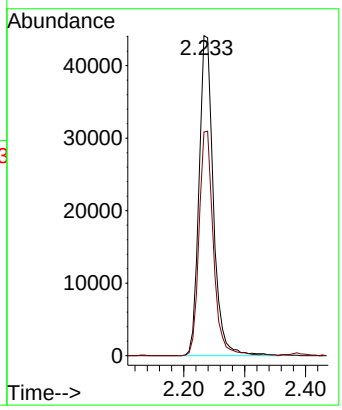




#13
Acrolein
Concen: 199.949 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 56 Resp: 7206

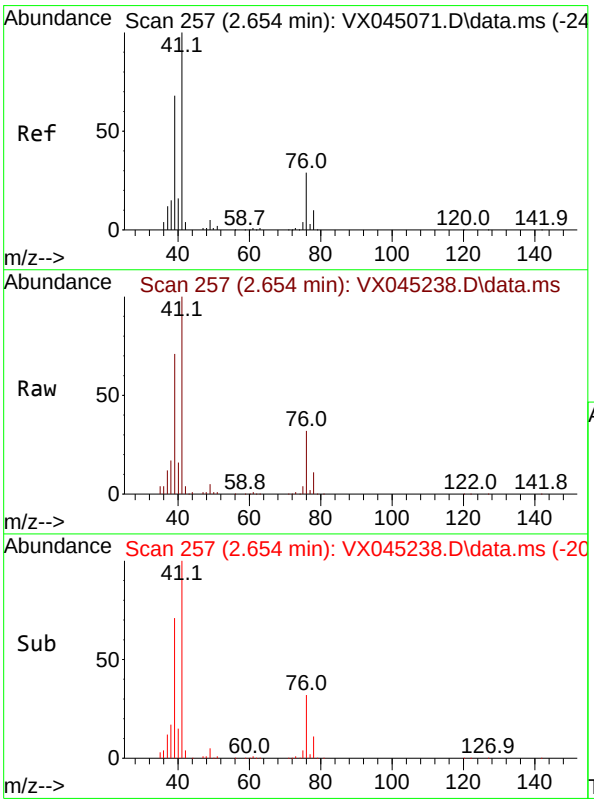
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

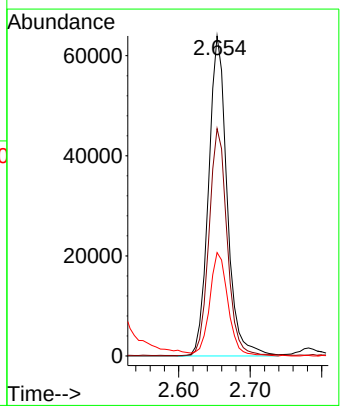
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

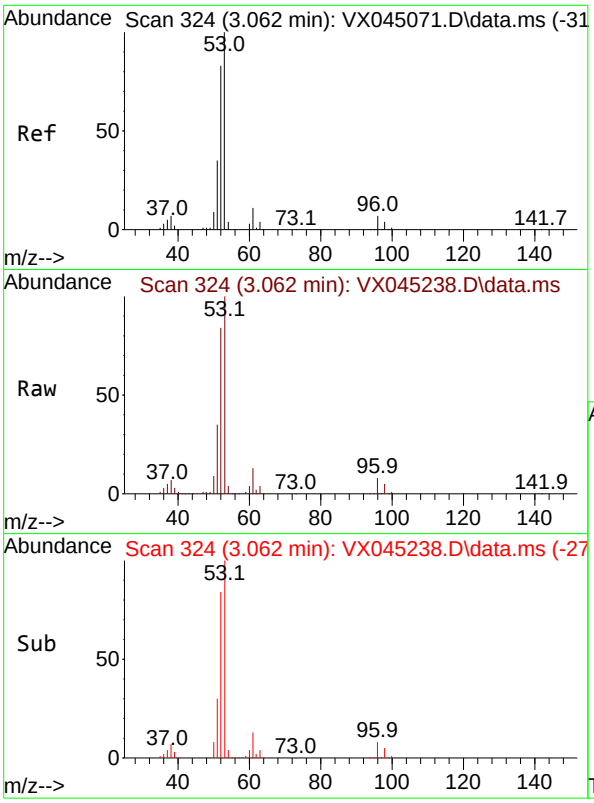


#14
Allyl chloride
Concen: 50.897 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 41 Resp: 115209

Ion	Ratio	Lower	Upper
41	100		
39	69.2	53.8	80.8
76	32.0	25.2	37.8





#15
Acrylonitrile
Concen: 247.683 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

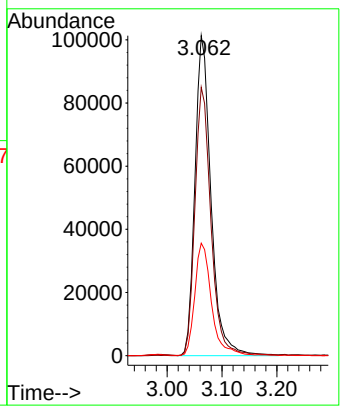
Tgt Ion: 53 Resp: 20697

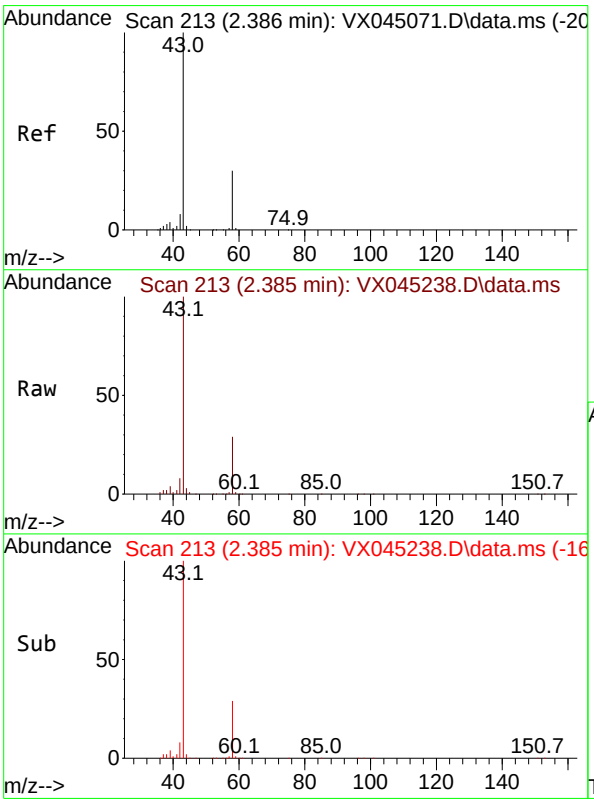
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.3	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

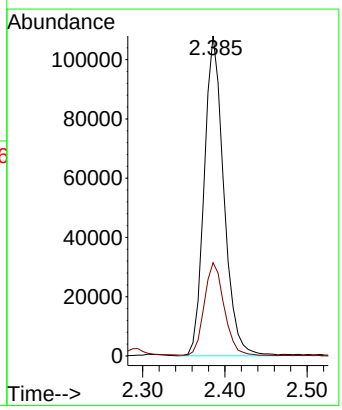


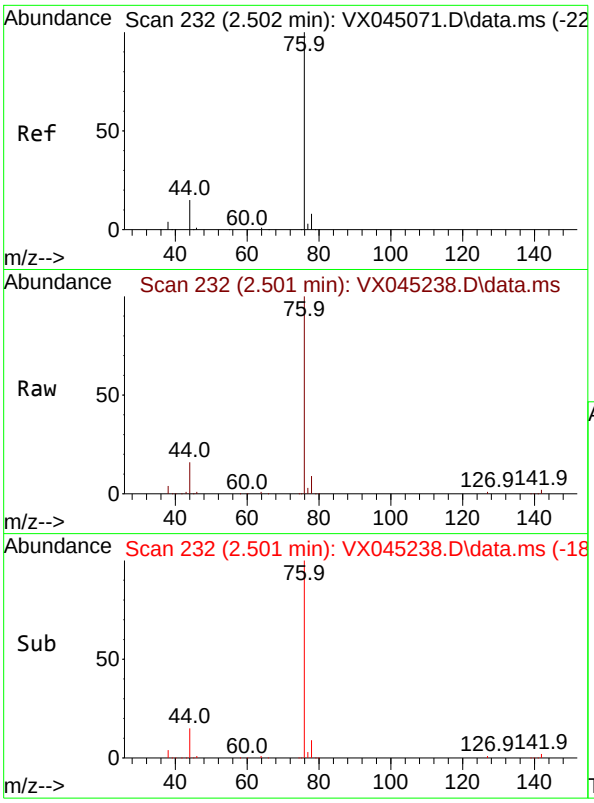


#16
Acetone
Concen: 234.069 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 178769

Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.2	36.4

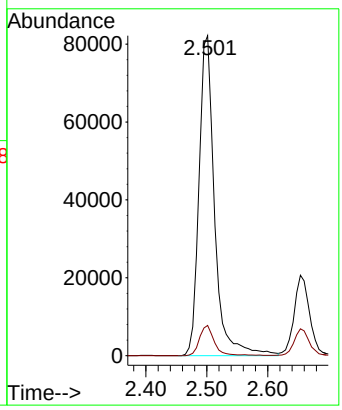




#17
Carbon Disulfide
Concen: 43.194 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 76 Resp: 14629

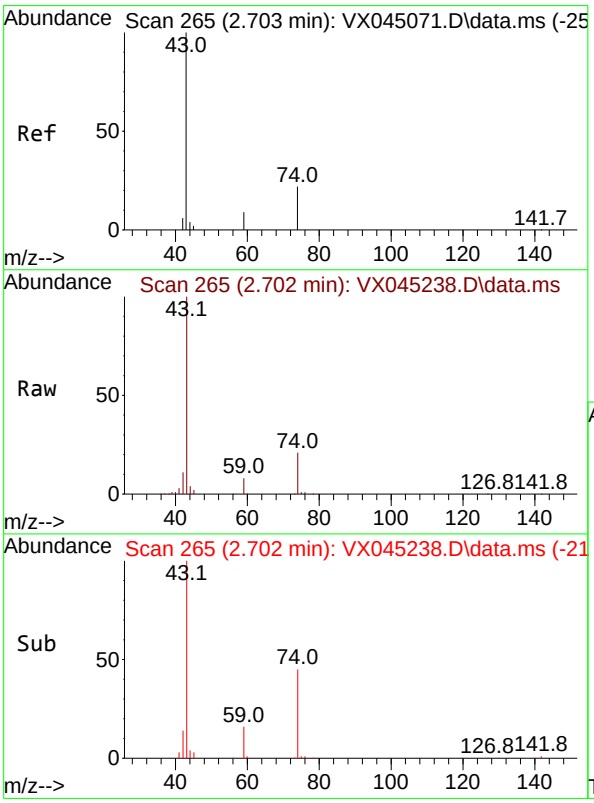
Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

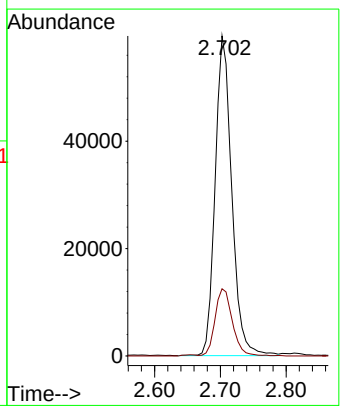
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

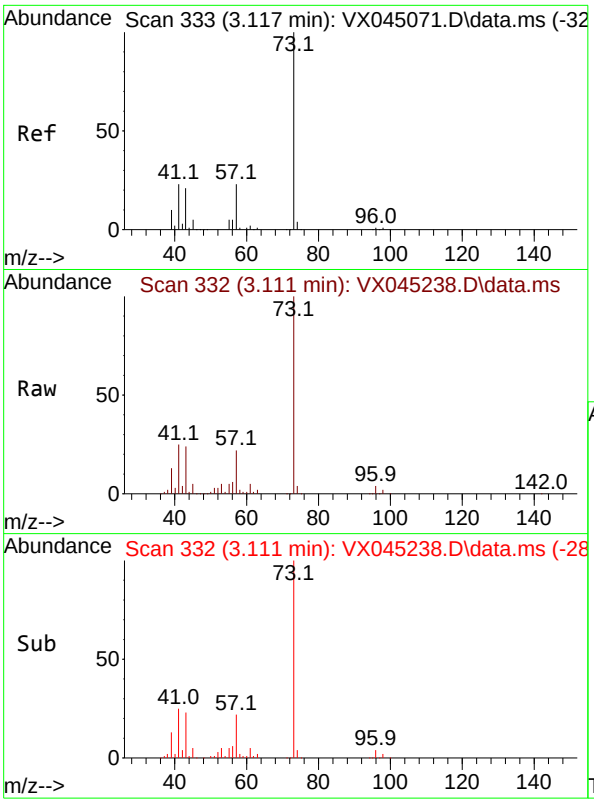


#18
Methyl Acetate
Concen: 57.056 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 104831

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

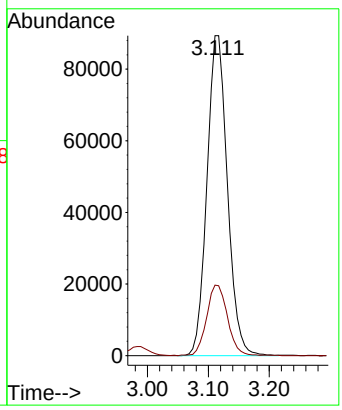




#19
Methyl tert-butyl Ether
Concen: 48.805 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 73 Resp: 20822

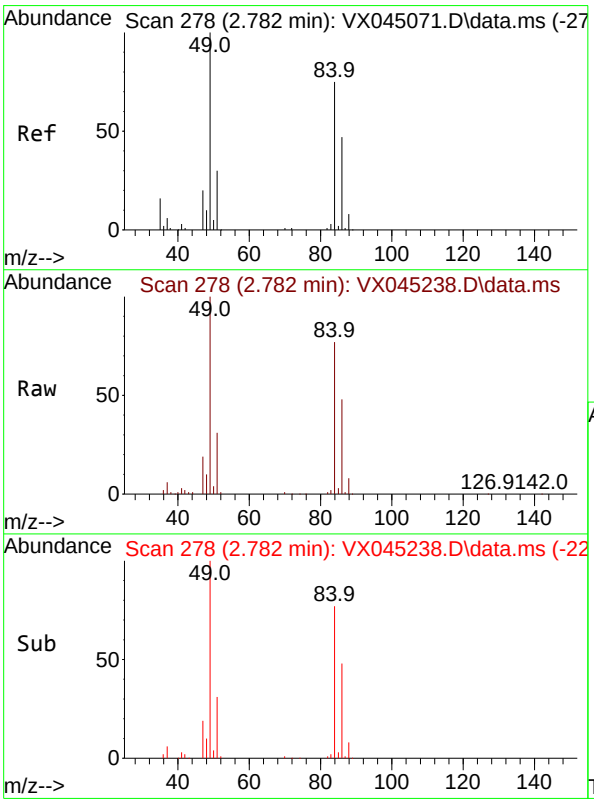
Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

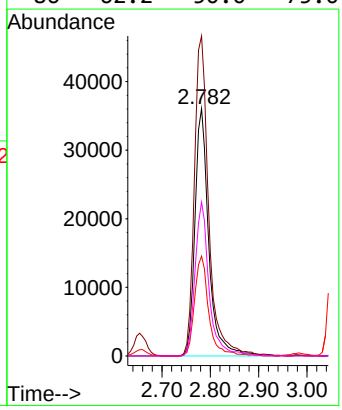
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

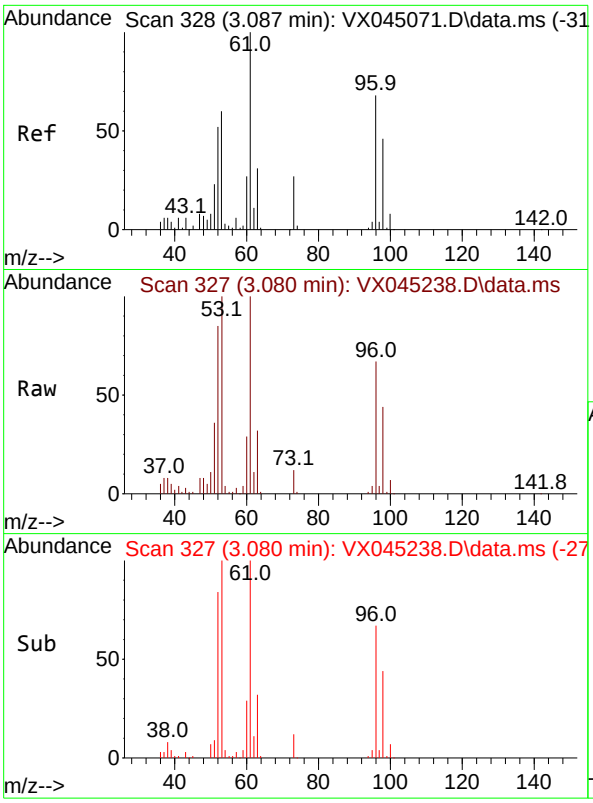


#20
Methylene Chloride
Concen: 47.297 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 84 Resp: 71555

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	40.3	32.1	48.1
86	62.2	50.0	75.0

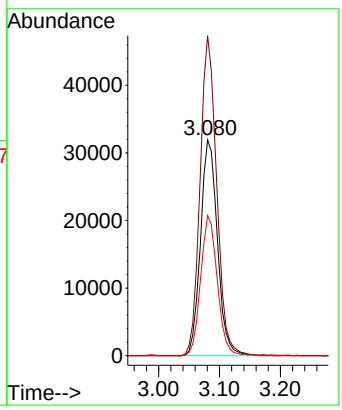




#21
trans-1,2-Dichloroethene
Concen: 49.065 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 96 Resp: 6164

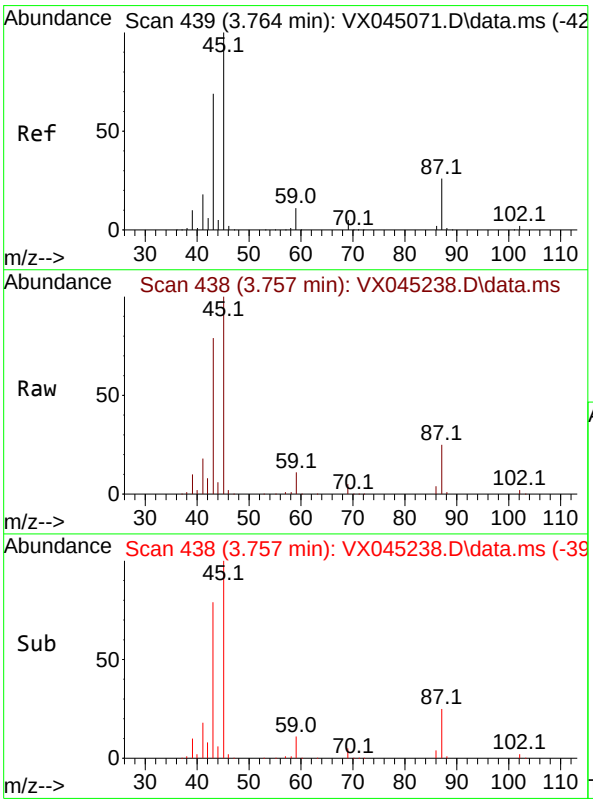
Ion	Ratio	Lower	Upper
96	100		
61	148.4	117.0	175.4
98	64.9	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

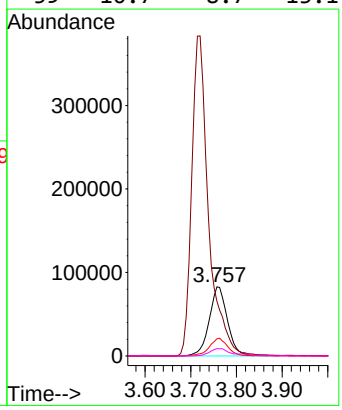
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

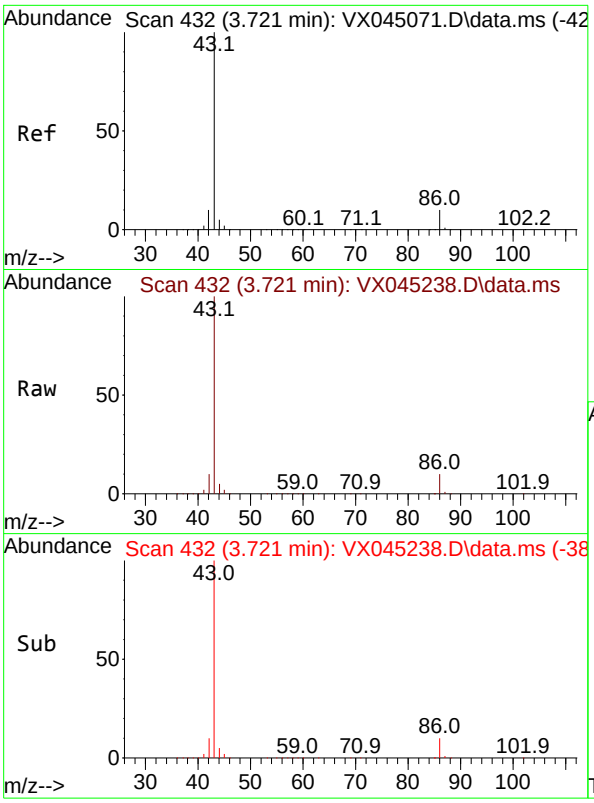


#22
Diisopropyl ether
Concen: 50.113 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 45 Resp: 230699

Ion	Ratio	Lower	Upper
45	100		
43	78.8	54.9	82.3
87	24.8	21.0	31.4
59	10.7	8.7	13.1

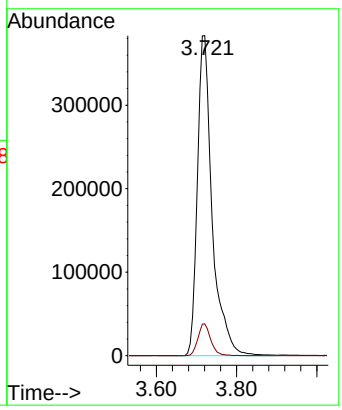




#23
Vinyl Acetate
Concen: 255.834 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 98283

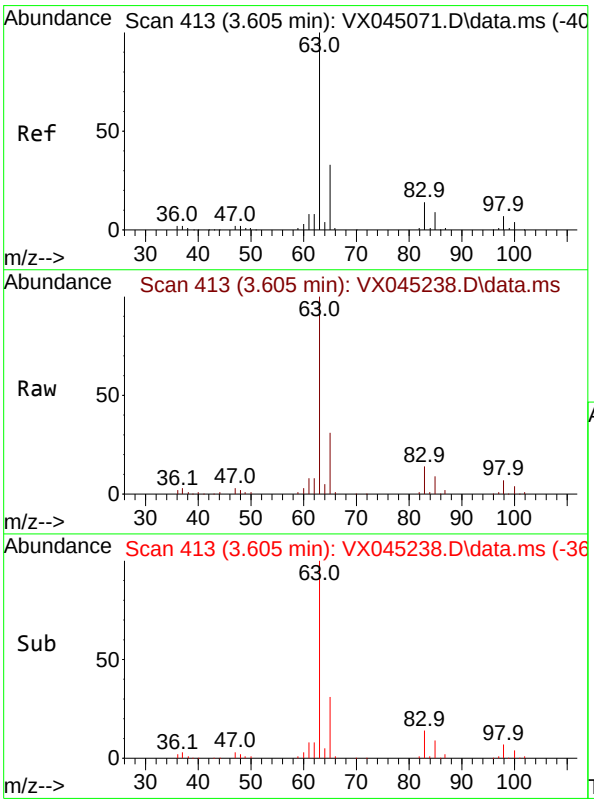
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

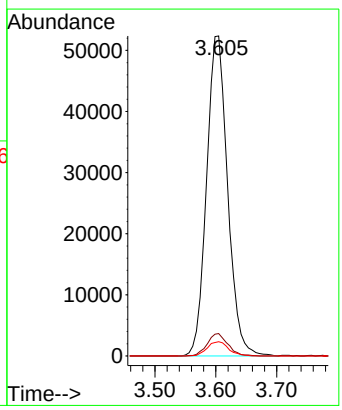
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

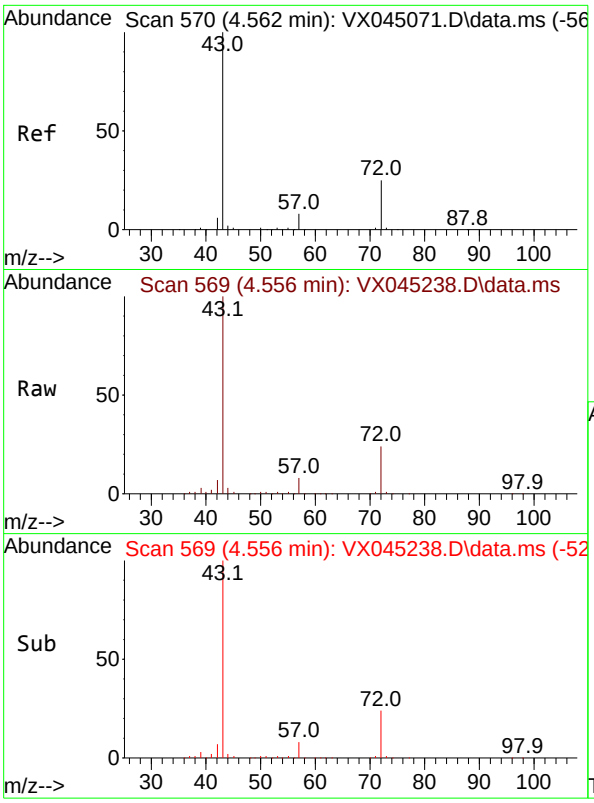


#24
1,1-Dichloroethane
Concen: 48.745 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 63 Resp: 125762

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 250.972 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

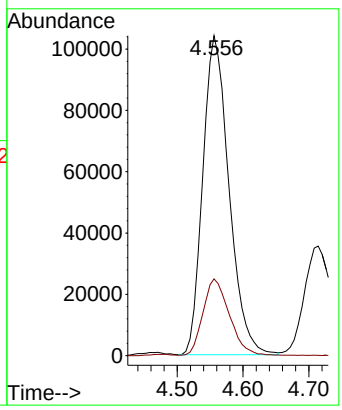
Tgt Ion: 43 Resp: 28852

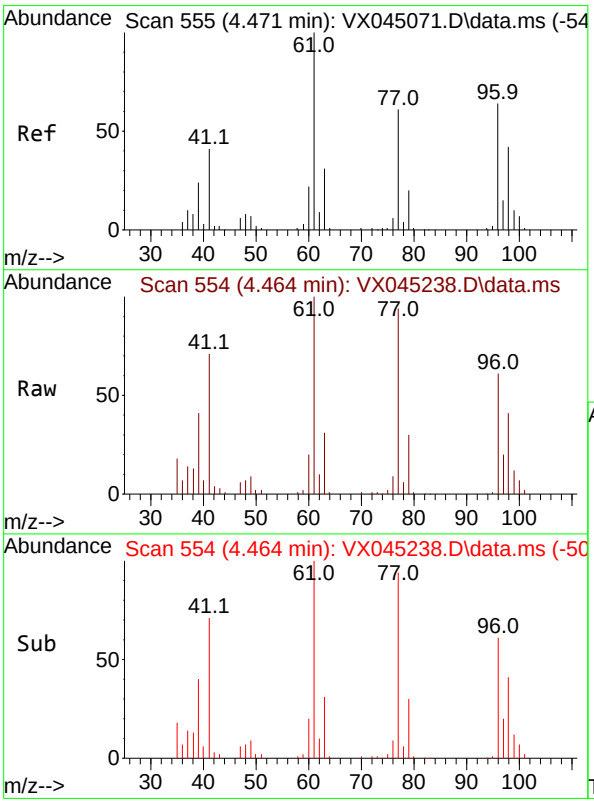
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

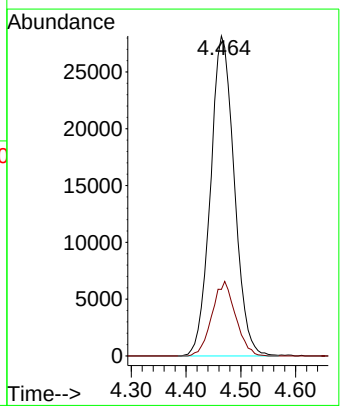


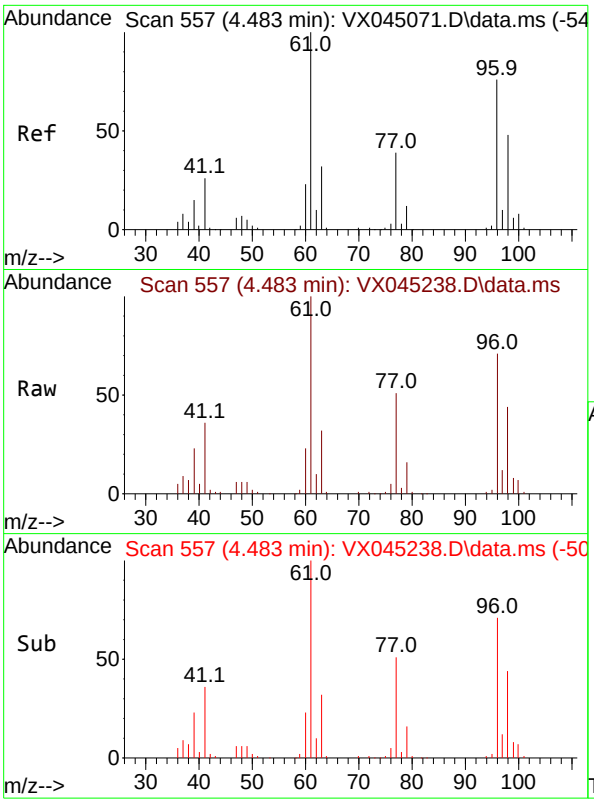


#26
2,2-Dichloropropane
Concen: 70.215 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 77 Resp: 84970

Ion	Ratio	Lower	Upper
77	100		
97	23.1	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 49.593 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

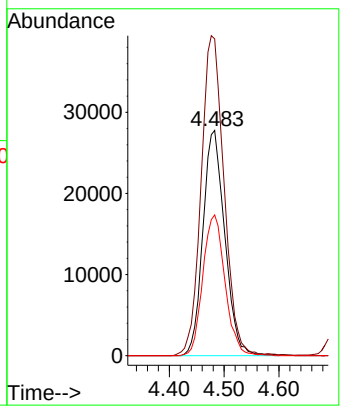
Tgt Ion: 96 Resp: 7691

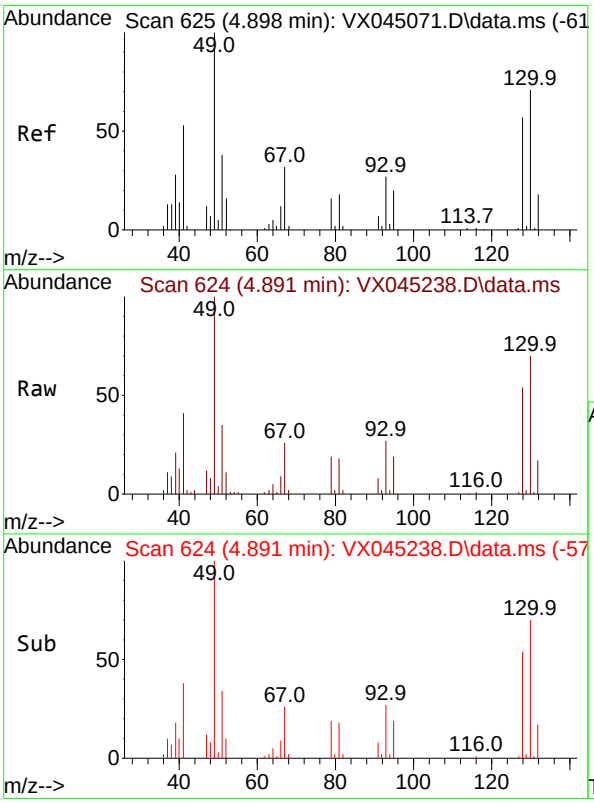
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	283.2
98	63.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

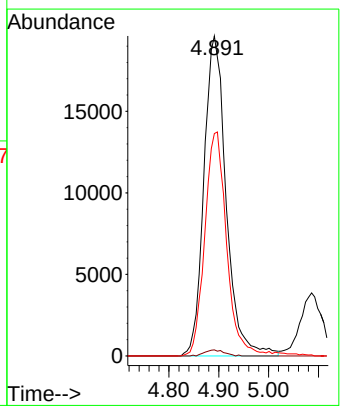


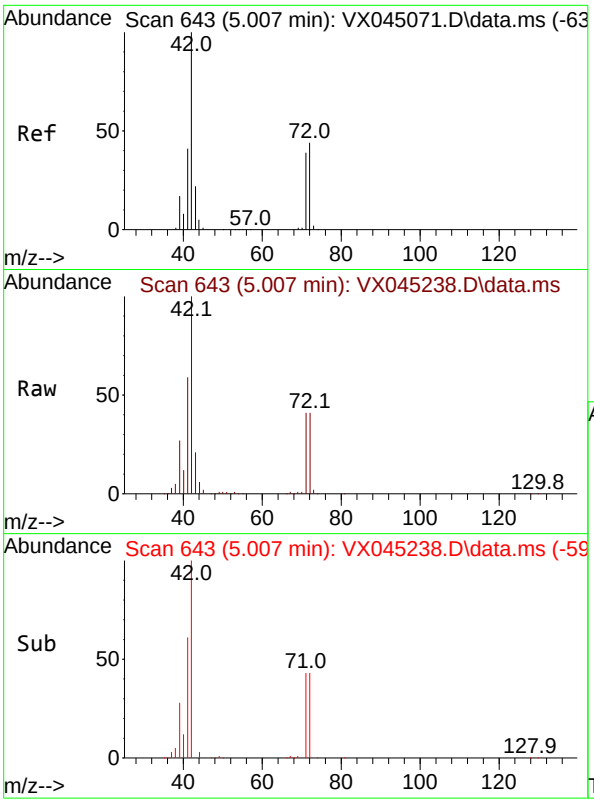


#28
Bromochloromethane
Concen: 49.455 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 49 Resp: 60817

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.2	56.1	84.1

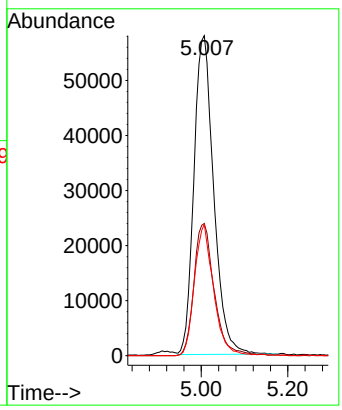




#29
Tetrahydrofuran
Concen: 238.107 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 42 Resp: 18382

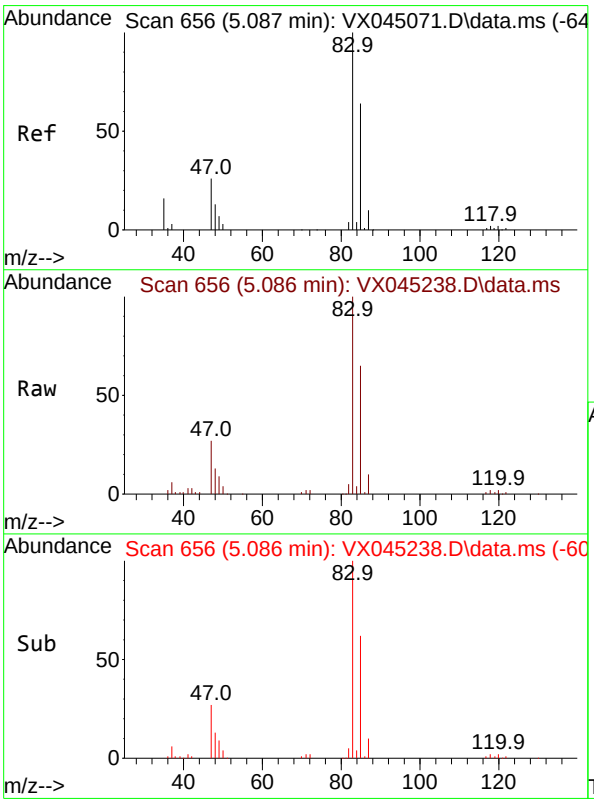
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.6	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

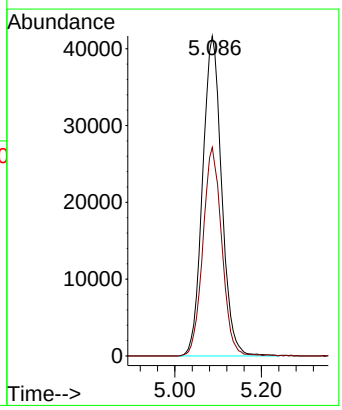
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

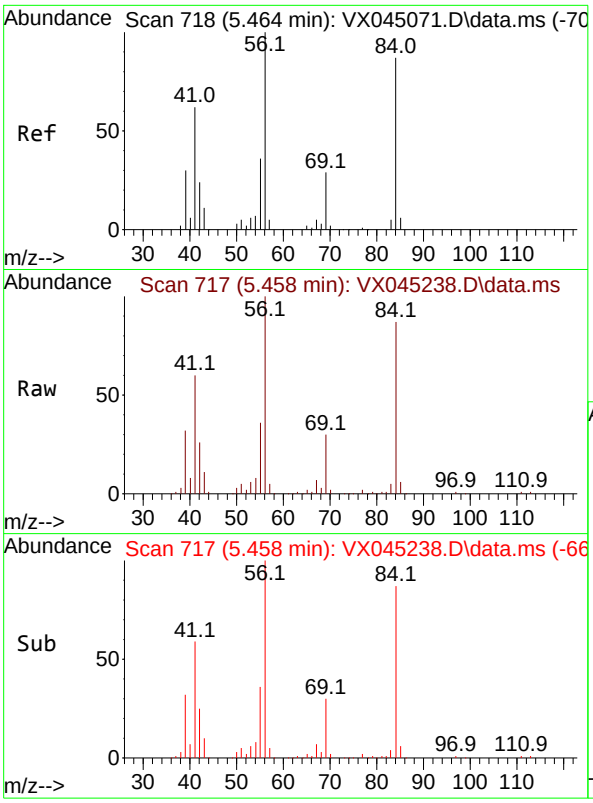


#30
Chloroform
Concen: 49.675 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 83 Resp: 127343

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2

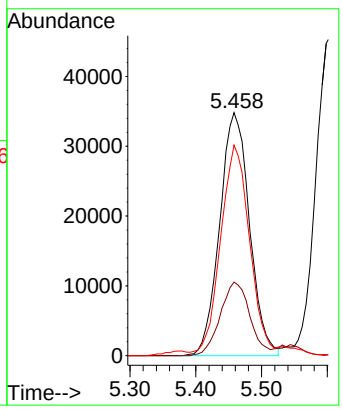




#31
Cyclohexane
Concen: 49.096 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 56 Resp: 10995

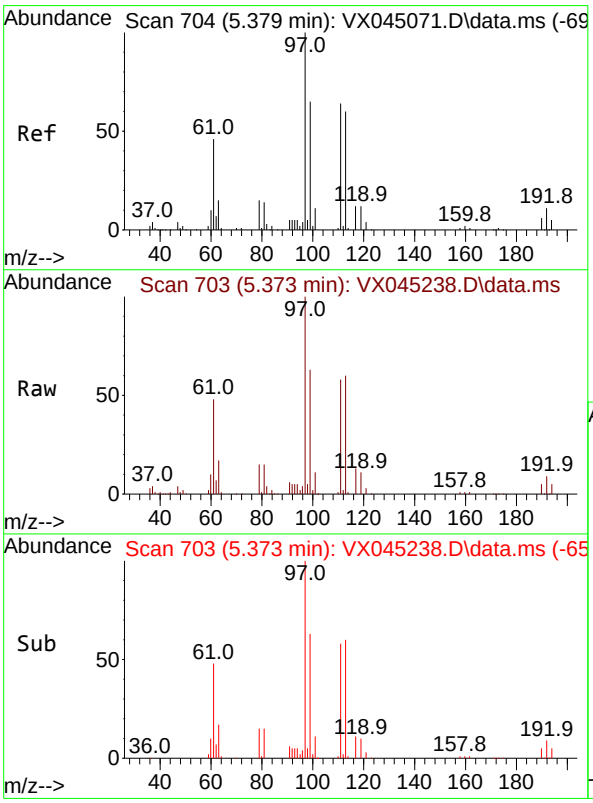
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.4	35.2
84	84.7	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

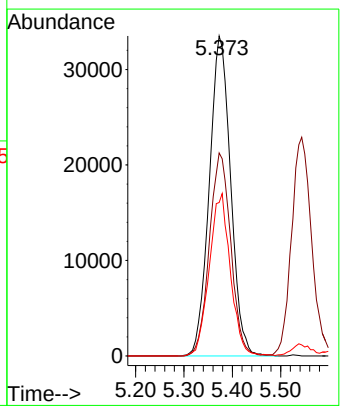
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

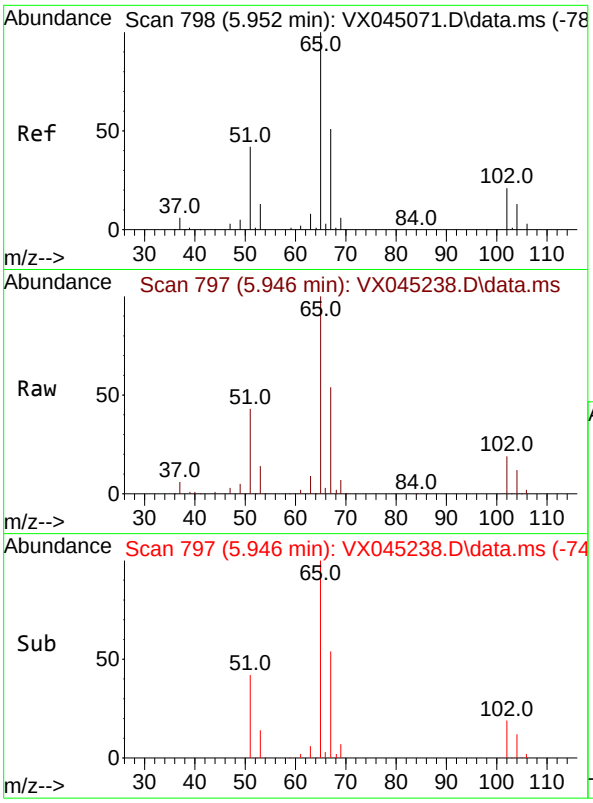


#32
1,1,1-Trichloroethane
Concen: 49.582 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 97 Resp: 102657

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	50.4	38.4	57.6

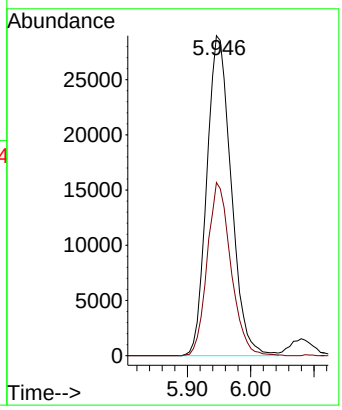




#33
1,2-Dichloroethane-d4
Concen: 47.184 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 65 Resp: 7767

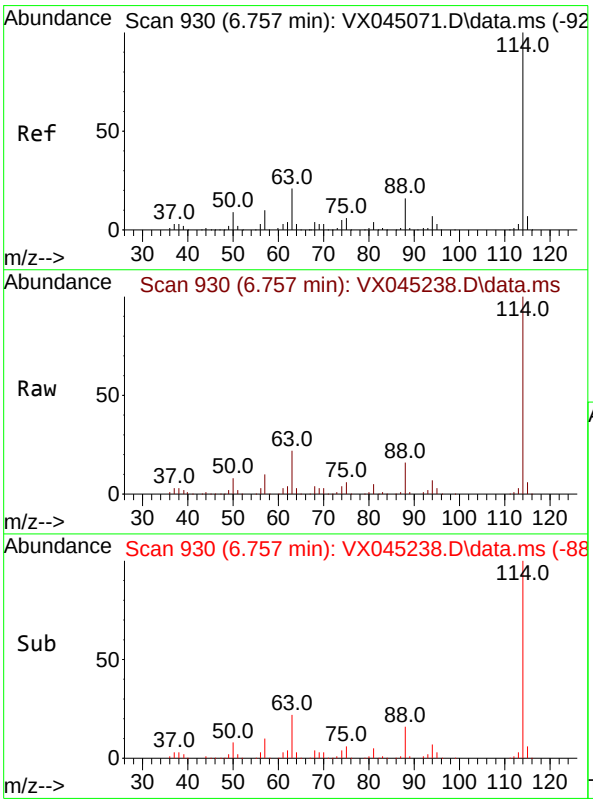
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

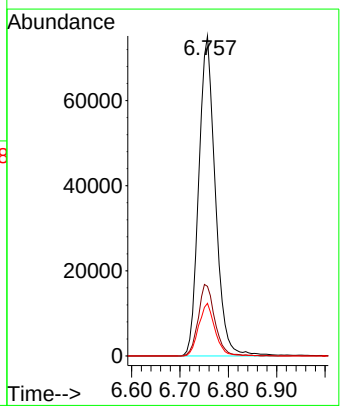
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

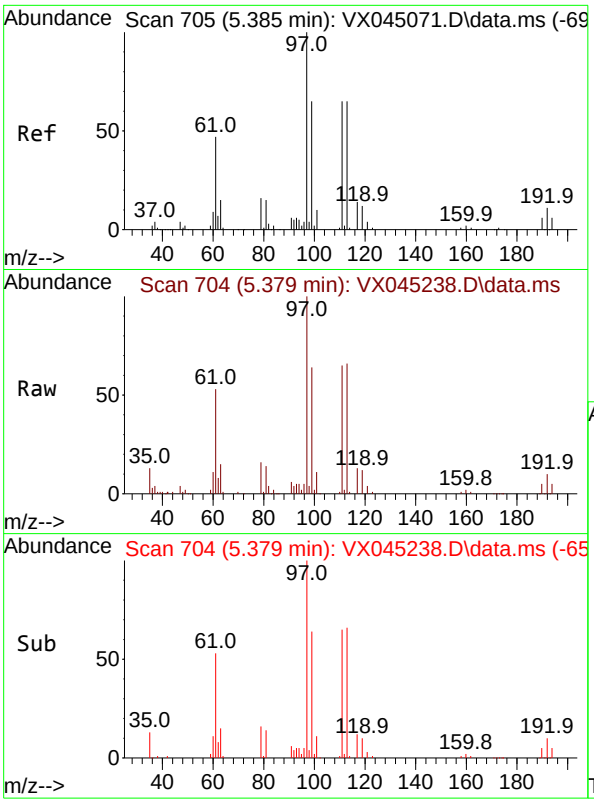


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:114 Resp: 178691

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.4	0.0	32.8

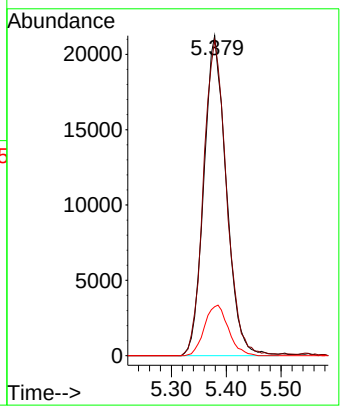




#35
Dibromofluoromethane
Concen: 50.434 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:113 Resp: 6026

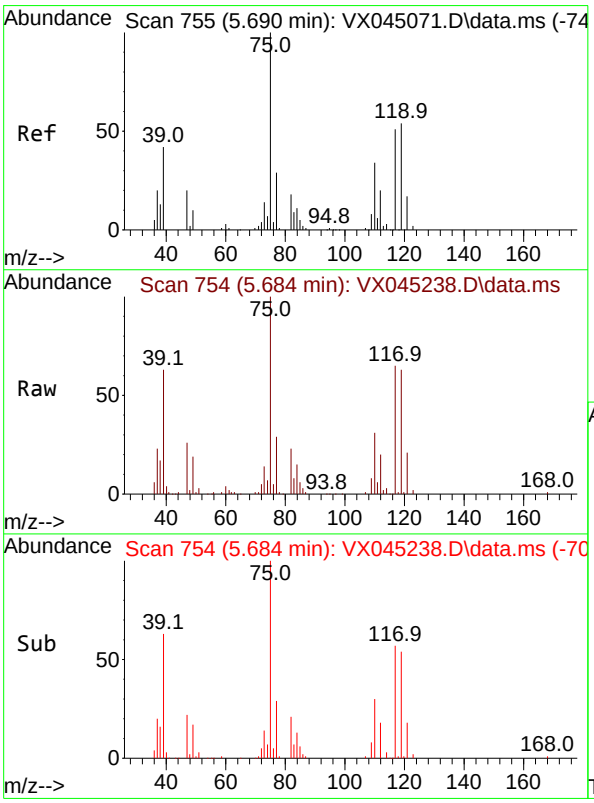
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	16.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

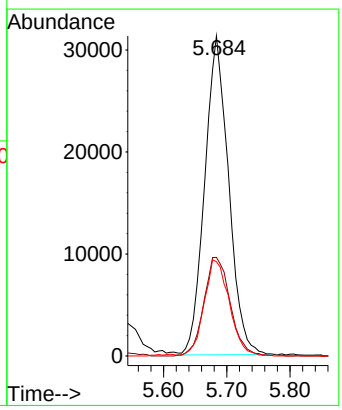
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

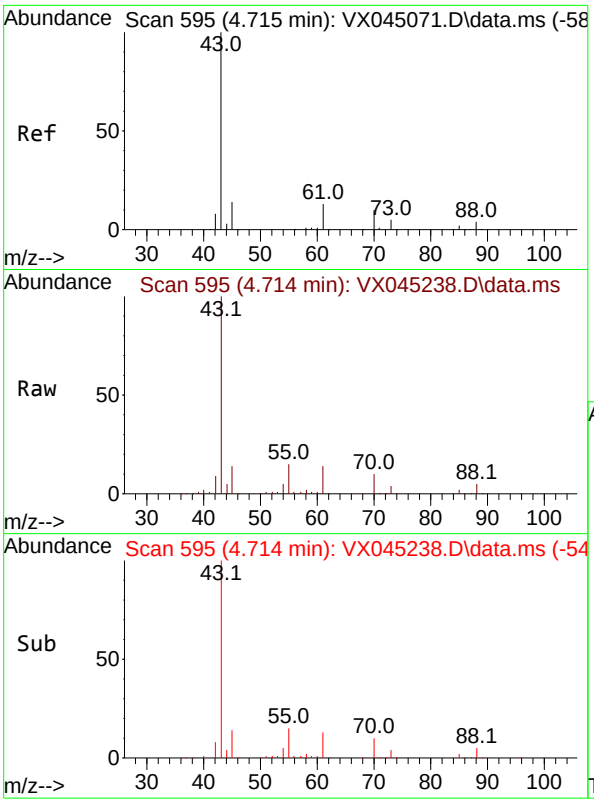


#36
1,1-Dichloropropene
Concen: 50.164 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 82200

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.9	24.5	36.7





#37
Ethyl Acetate
Concen: 50.640 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

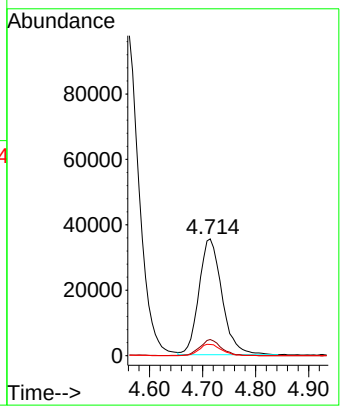
Tgt Ion: 43 Resp: 10692

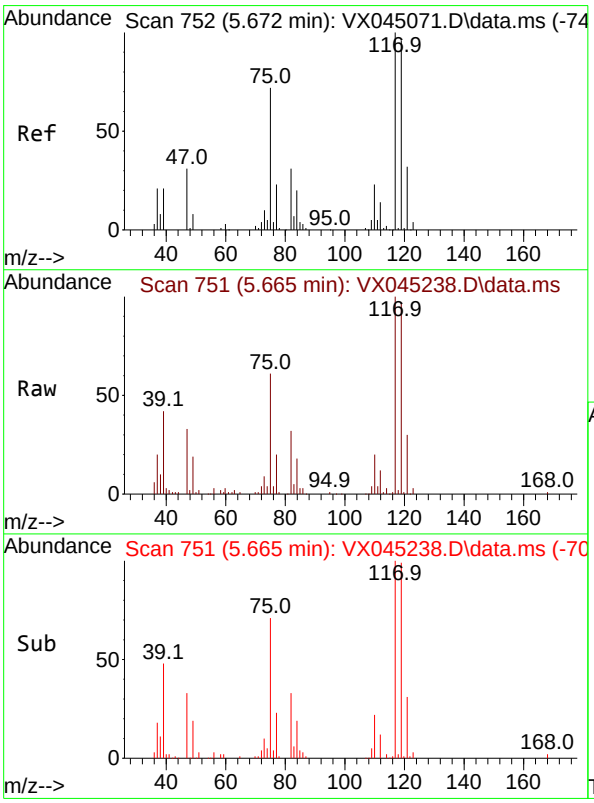
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.5	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

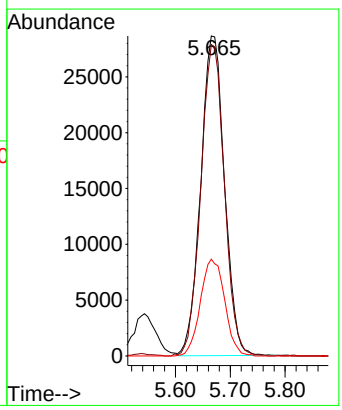


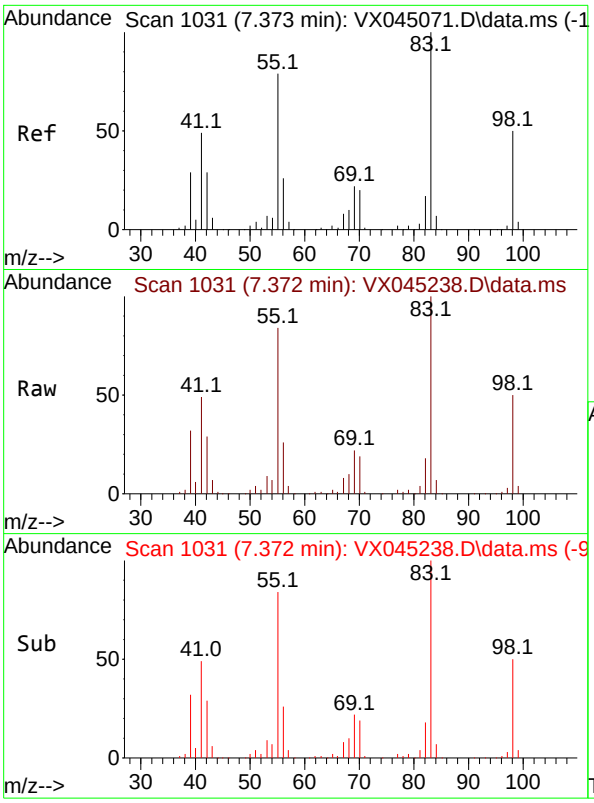


#38
Carbon Tetrachloride
Concen: 51.792 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:117 Resp: 86162

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	30.3	25.5	38.3

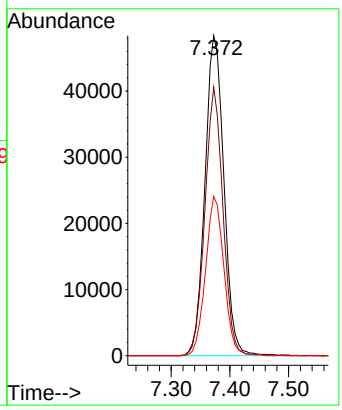




#39
Methylcyclohexane
Concen: 55.236 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 83 Resp: 10845

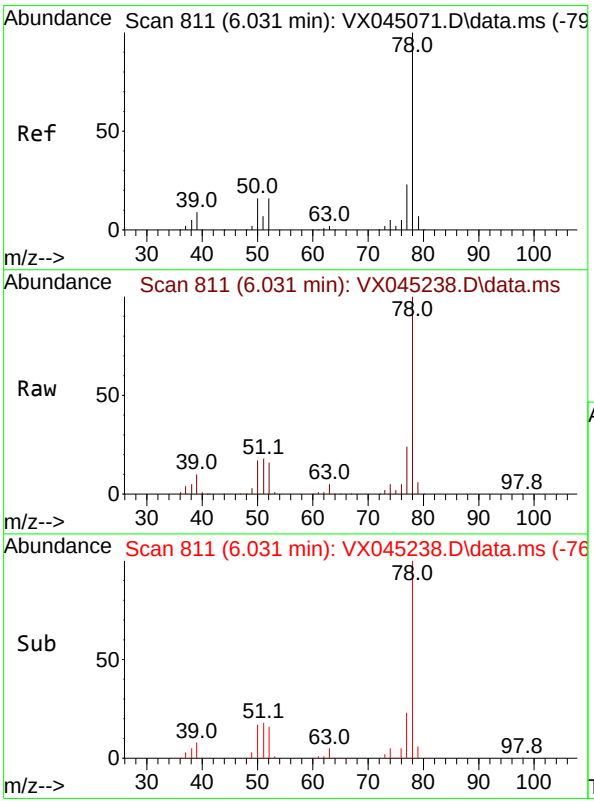
Ion	Ratio	Lower	Upper
83	100		
55	83.9	63.0	94.4
98	49.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

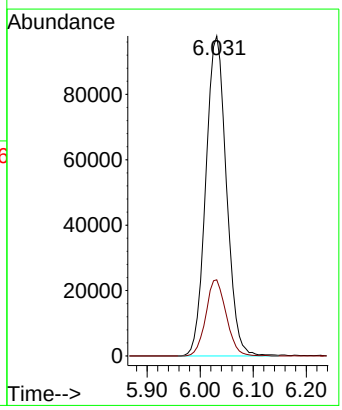
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

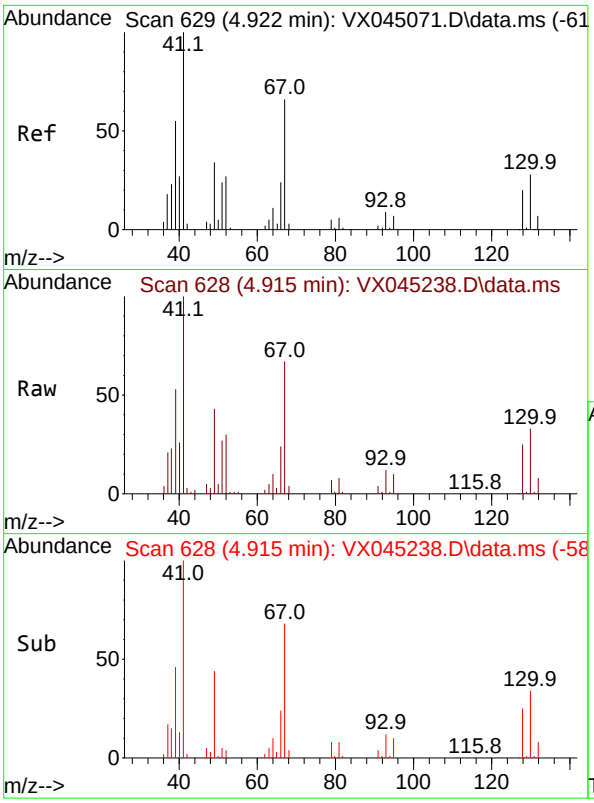


#40
Benzene
Concen: 50.984 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 78 Resp: 263814

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

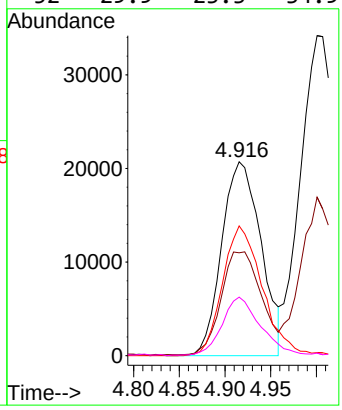




#41
Methacrylonitrile
Concen: 54.370 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 41 Resp: 6207

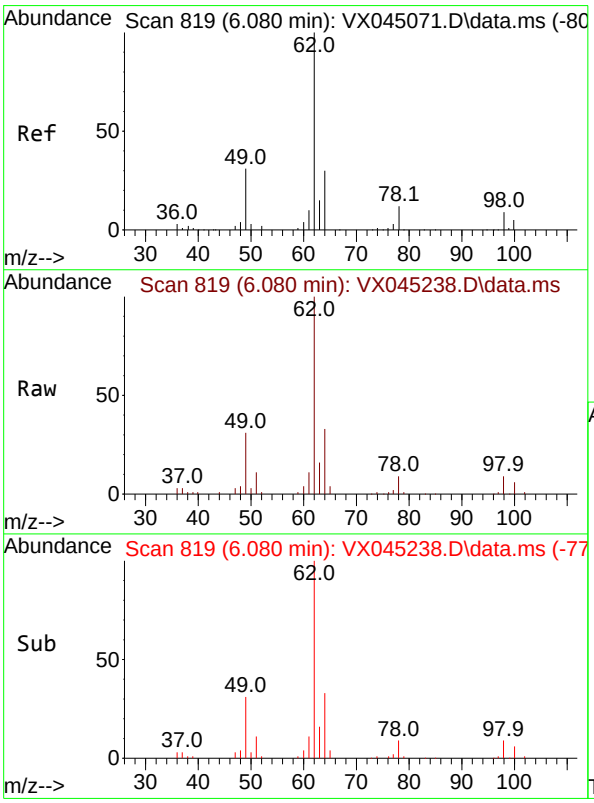
Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.6	67.0
67	68.1	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

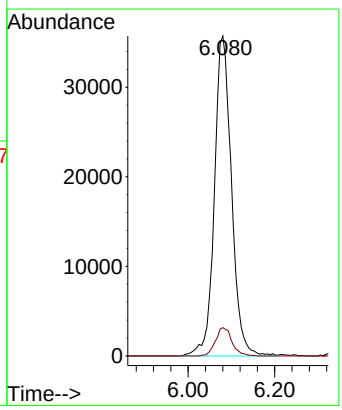
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

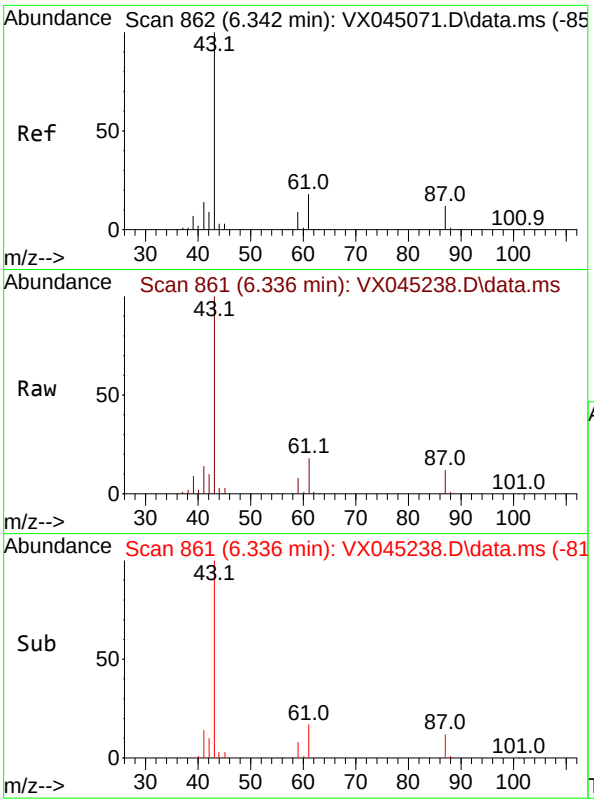


#42
1,2-Dichloroethane
Concen: 52.777 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

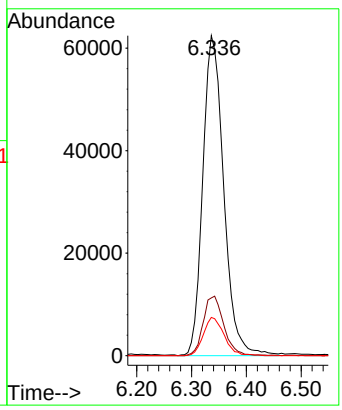




#43
Isopropyl Acetate
Concen: 53.134 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 16589

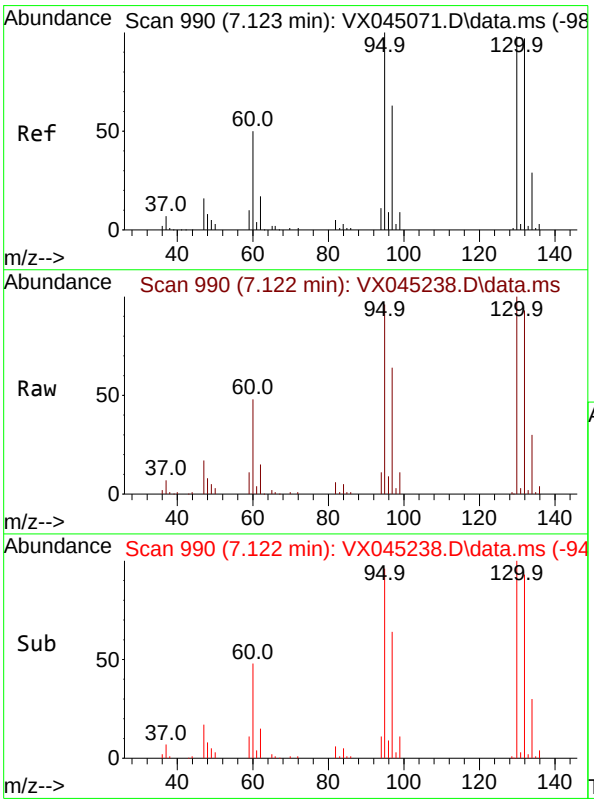
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

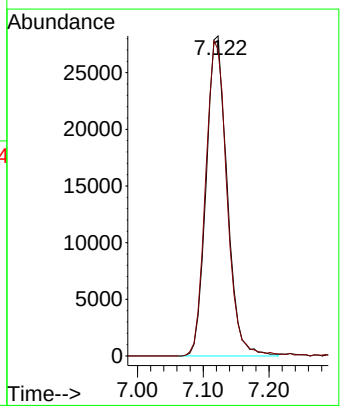
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

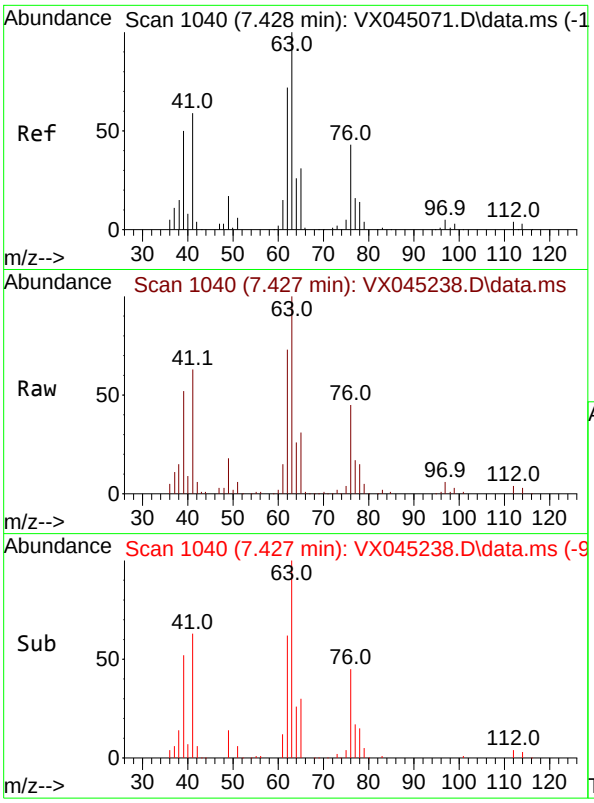


#44
Trichloroethene
Concen: 51.477 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:130 Resp: 62545

Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	205.0

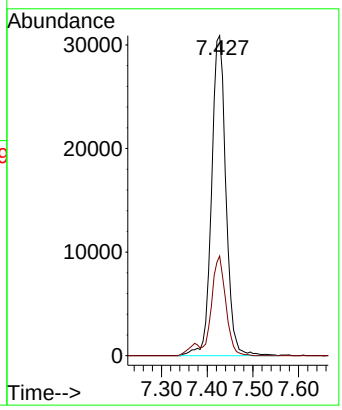




#45
1,2-Dichloropropane
Concen: 50.738 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 63 Resp: 6750

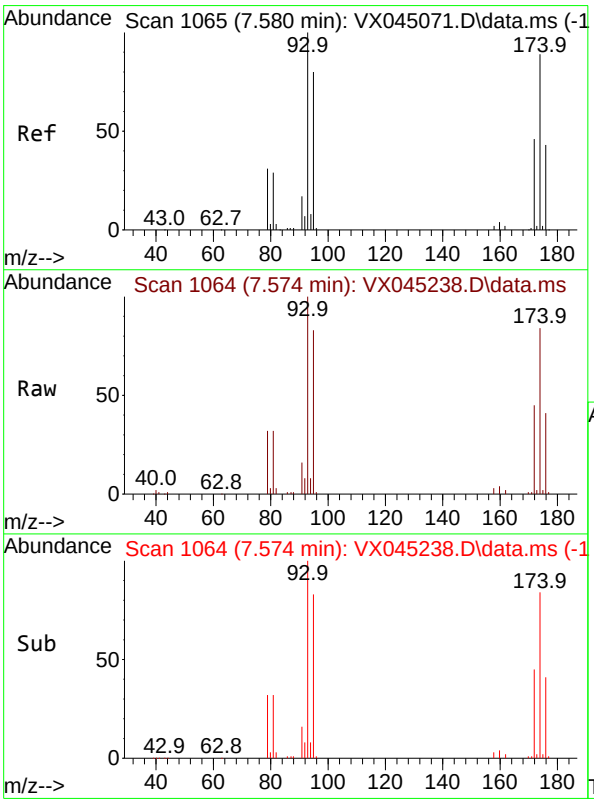
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

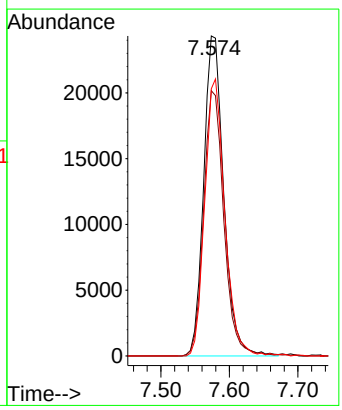
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

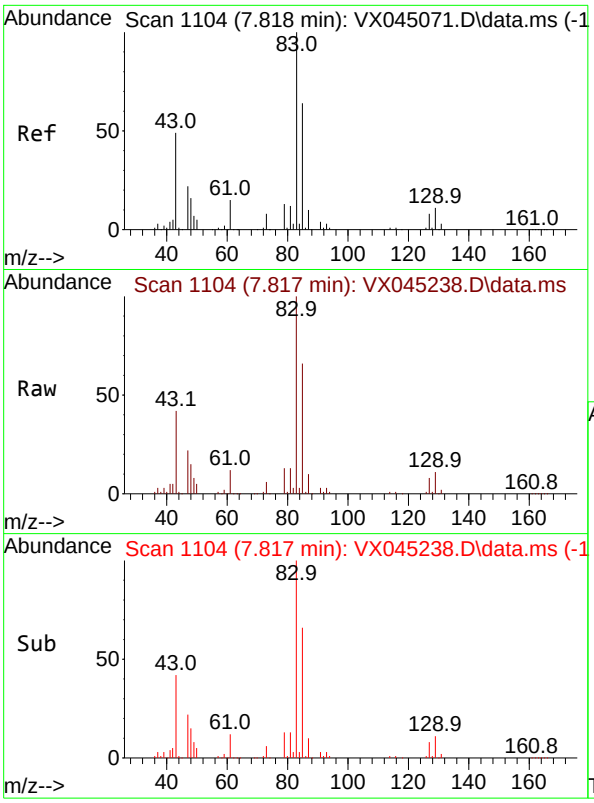


#46
Dibromomethane
Concen: 52.820 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 93 Resp: 49669

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.8	98.8
174	86.6	72.2	108.2

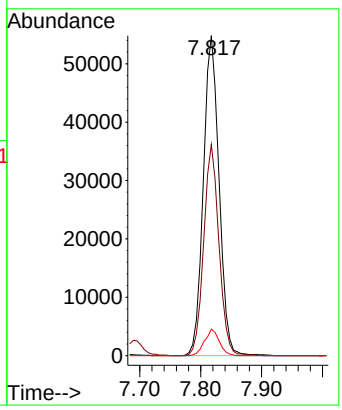




#47
Bromodichloromethane
Concen: 53.359 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 83 Resp: 9841

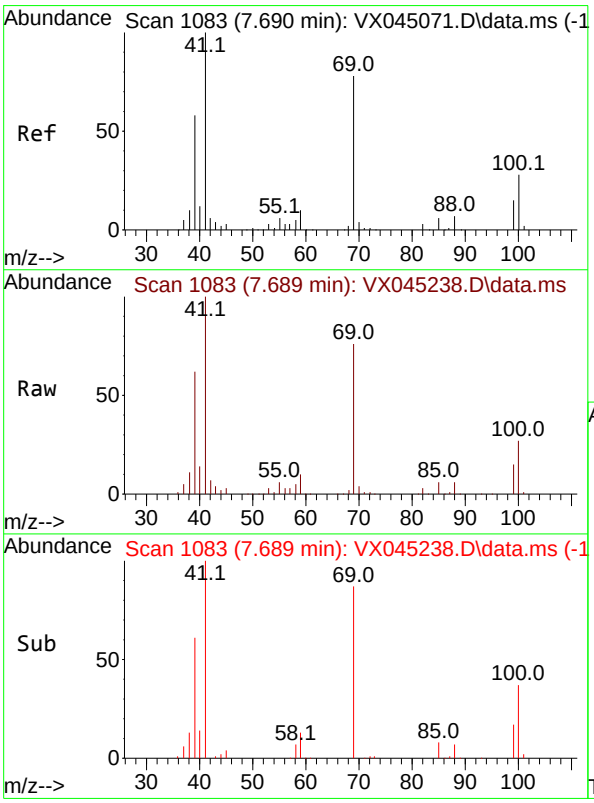
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

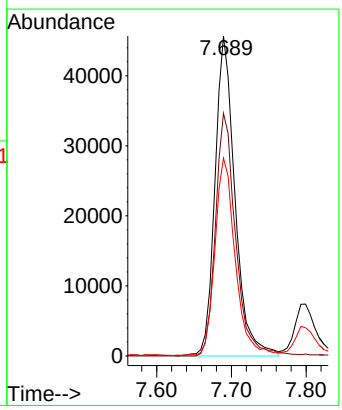
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

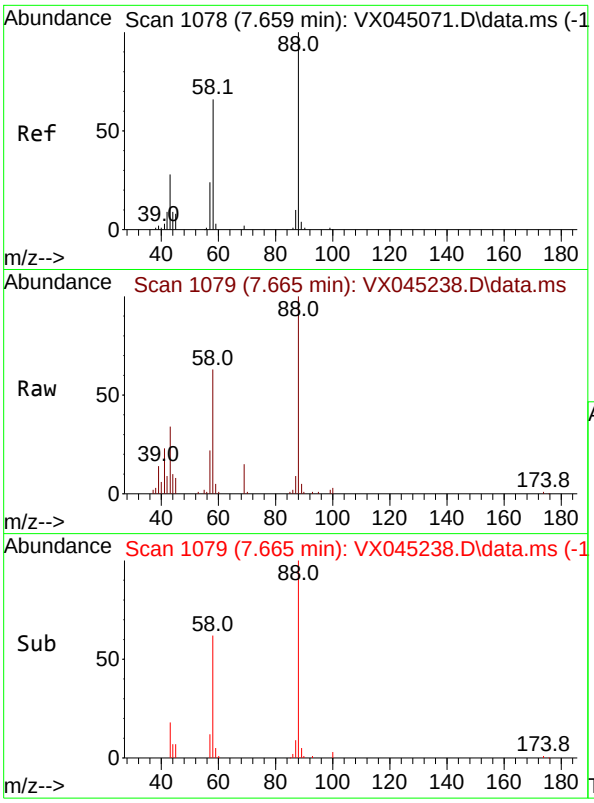


#48
Methyl methacrylate
Concen: 54.217 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 41 Resp: 84926

Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.0	94.6
39	62.4	47.5	71.3

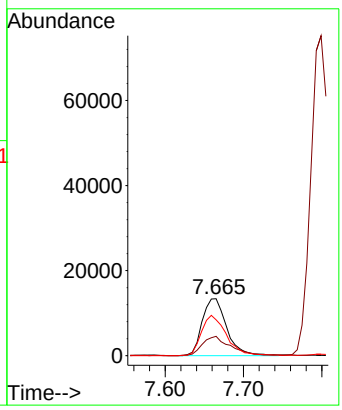




#49
1,4-Dioxane
Concen: 881.577 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 88 Resp: 2912

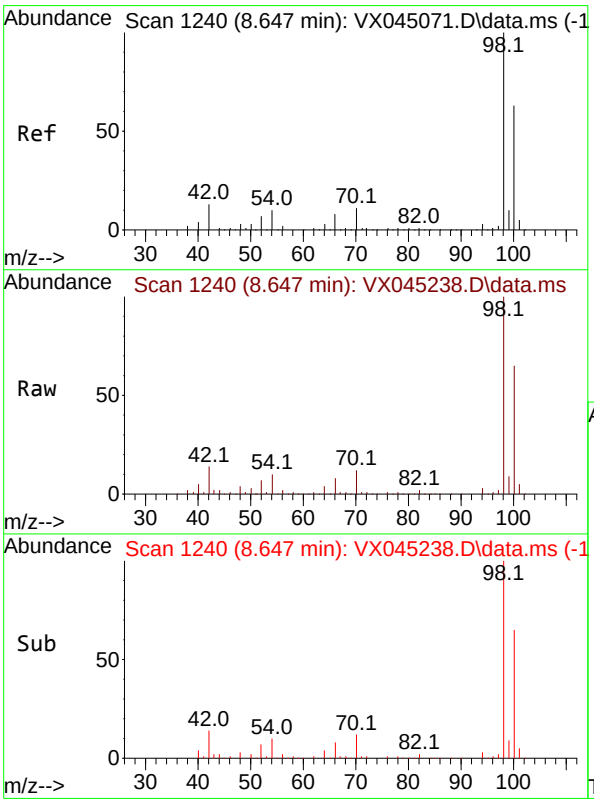
Ion	Ratio	Lower	Upper
88	100		
43	39.4	28.7	43.1
58	72.7	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

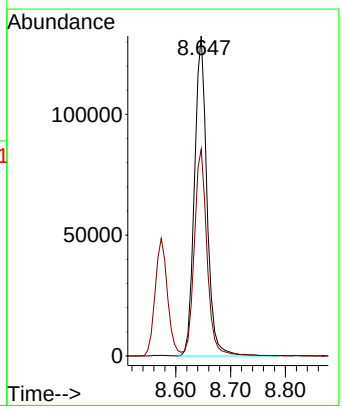
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

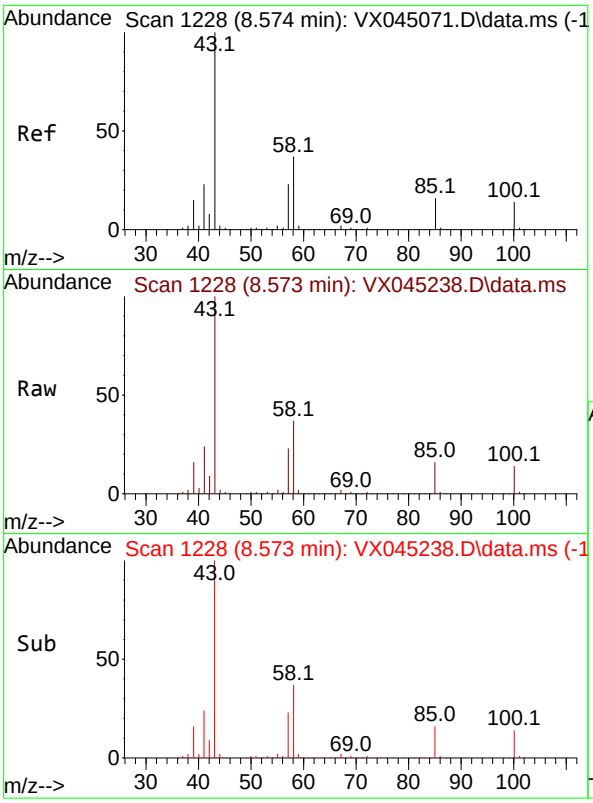


#50
Toluene-d8
Concen: 48.630 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 98 Resp: 210656

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

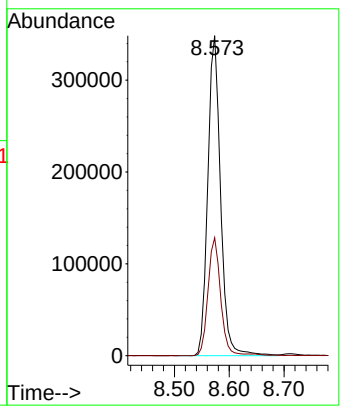




#51
4-Methyl-2-Pentanone
Concen: 267.292 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 56036

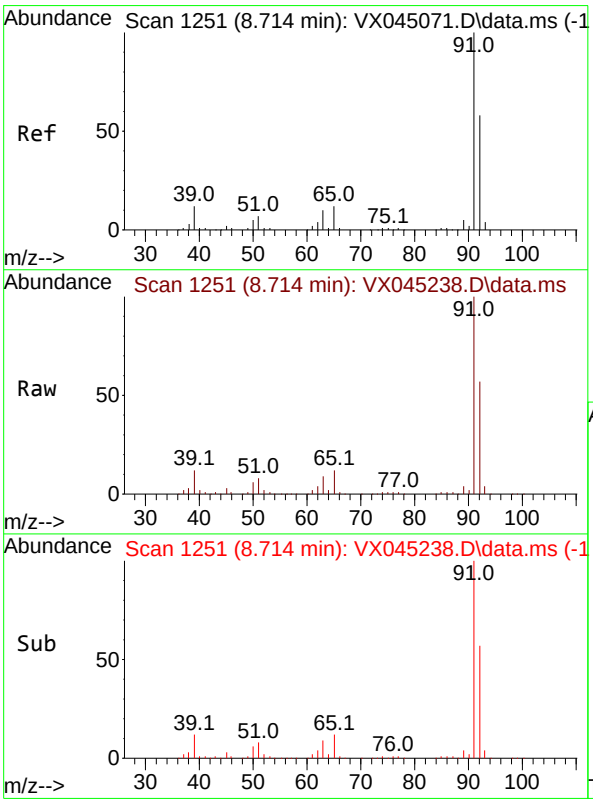
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

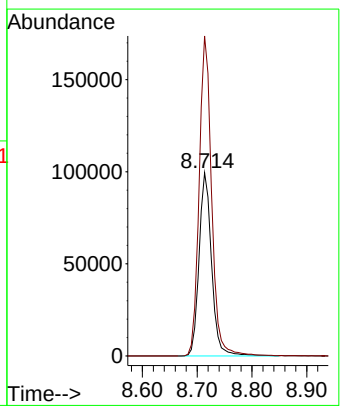
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

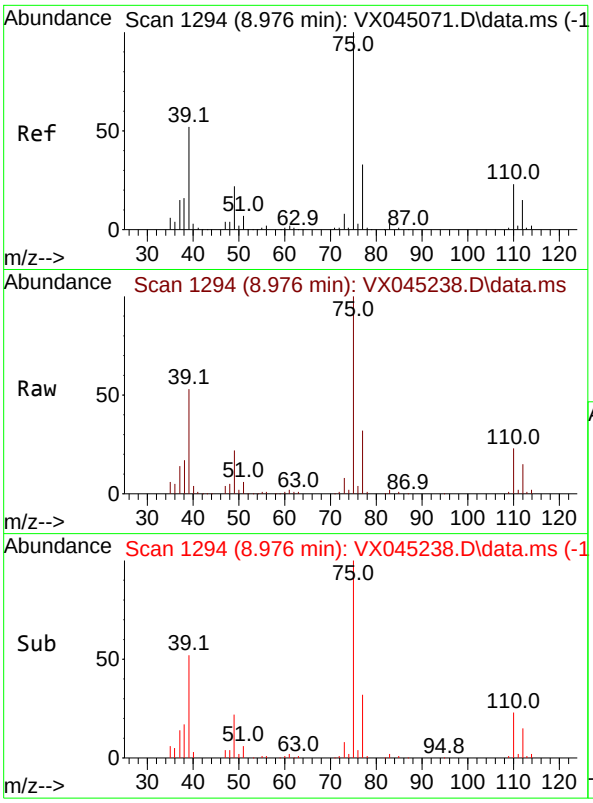


#52
Toluene
Concen: 52.048 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 92 Resp: 158015

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

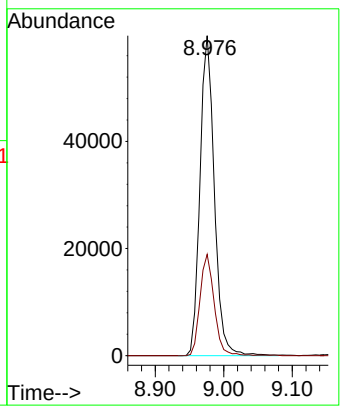




#53
t-1,3-Dichloropropene
Concen: 56.614 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 8729

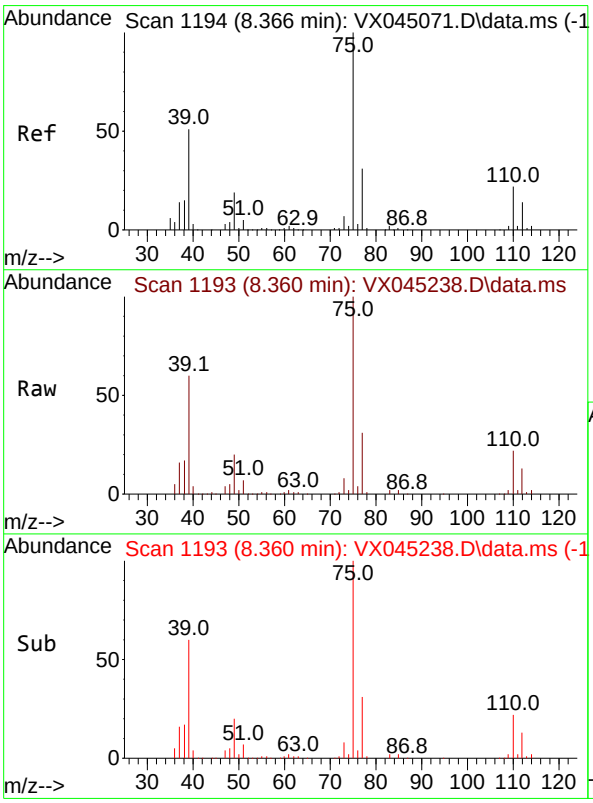
Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

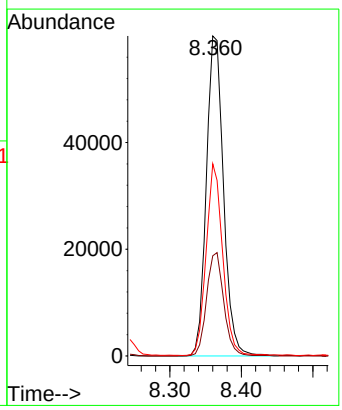
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

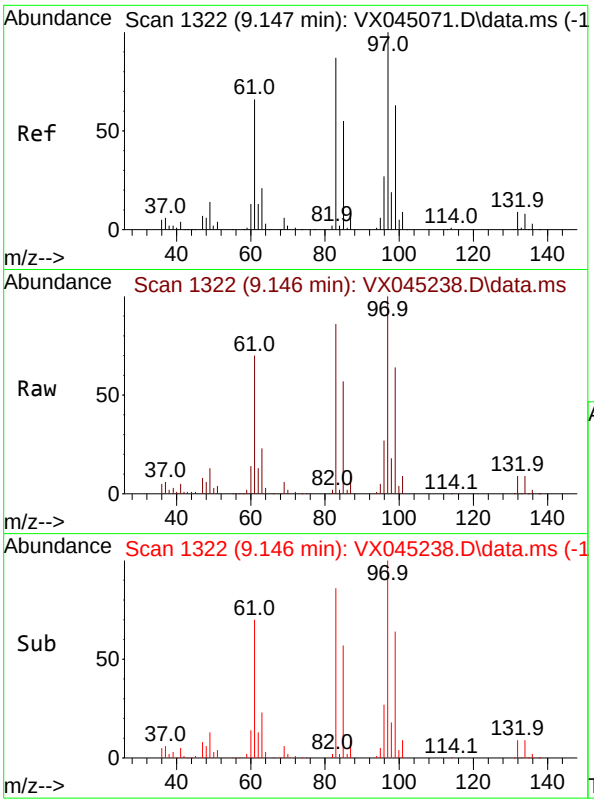


#54
cis-1,3-Dichloropropene
Concen: 55.619 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 100008

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	59.9	40.7	61.1

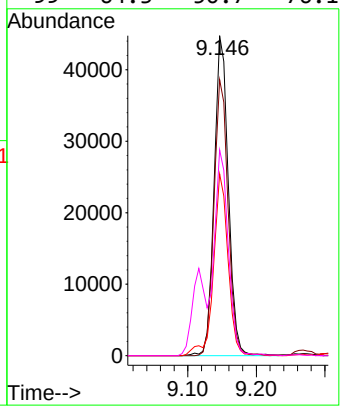




#55
1,1,2-Trichloroethane
Concen: 51.433 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 97 Resp: 6428

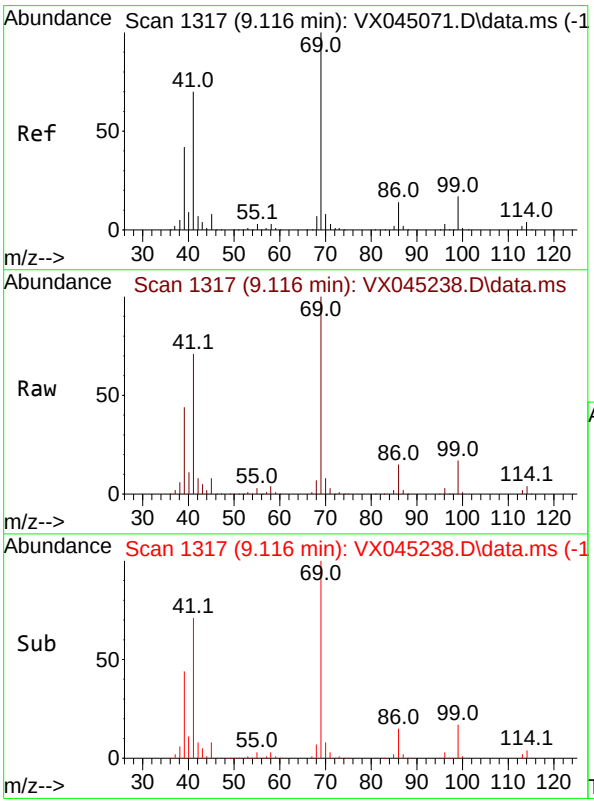
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.2
85	56.8	44.1	66.1
99	64.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

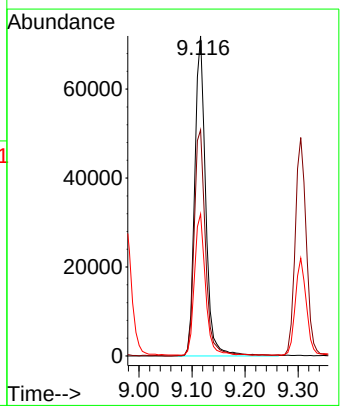
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

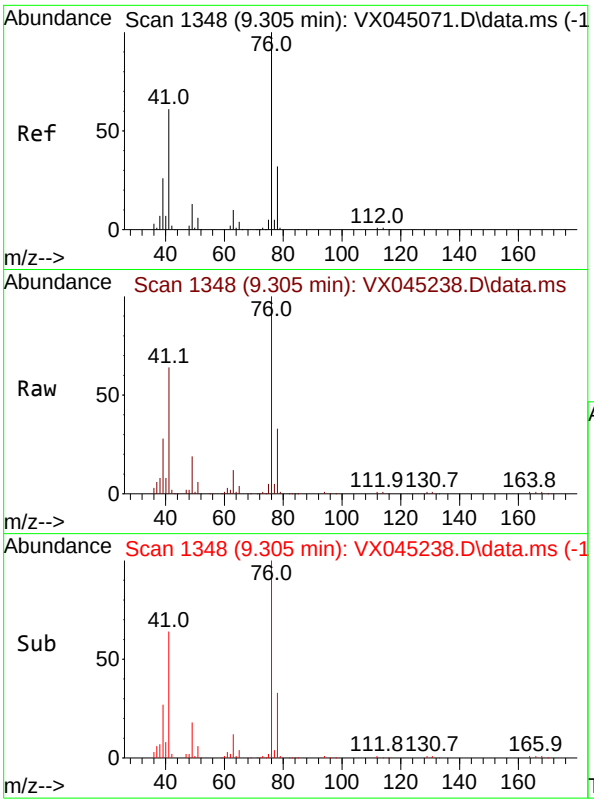


#56
Ethyl methacrylate
Concen: 54.295 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 69 Resp: 103151

Ion	Ratio	Lower	Upper
69	100		
41	73.1	57.0	85.4
39	44.4	34.2	51.4

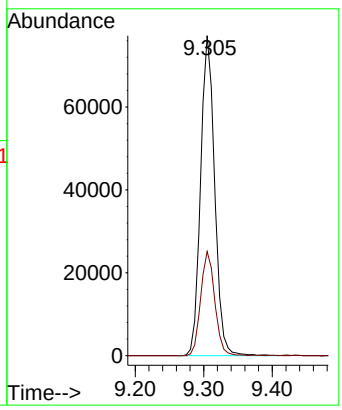




#57
1,3-Dichloropropane
Concen: 51.088 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 76 Resp: 11049

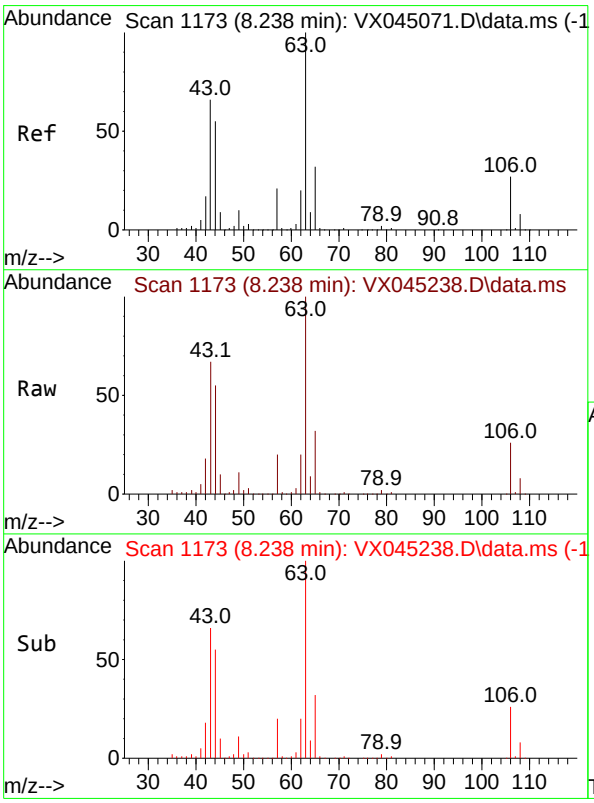
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

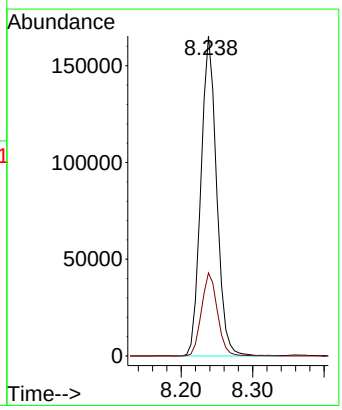
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

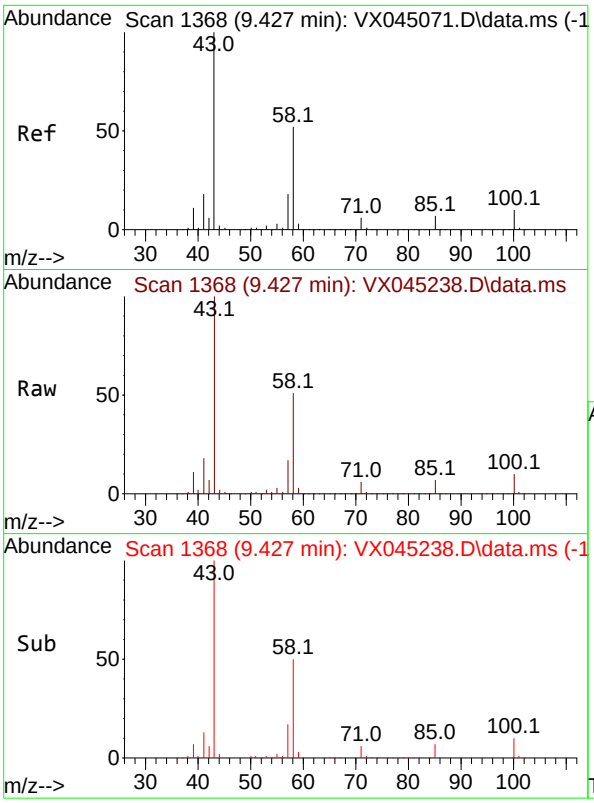


#58
2-Chloroethyl Vinyl ether
Concen: 272.503 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 63 Resp: 252540

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3

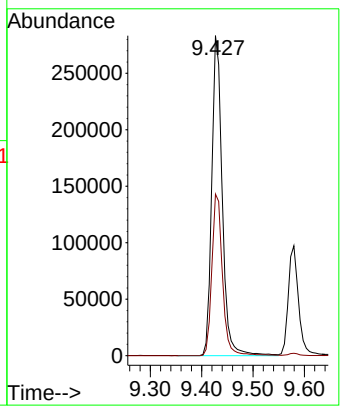




#59
2-Hexanone
Concen: 264.714 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 40208

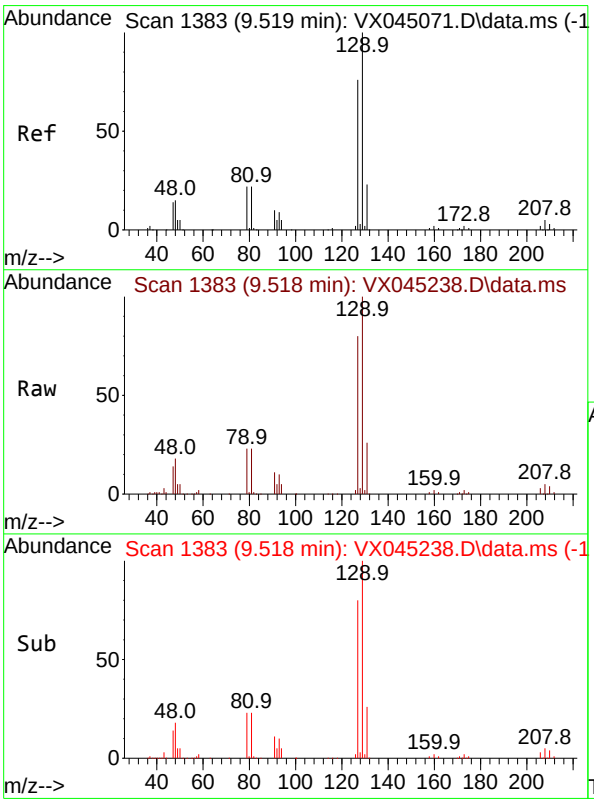
Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

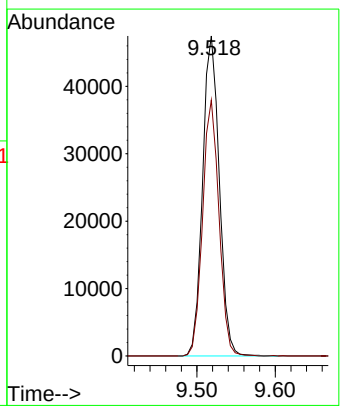
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

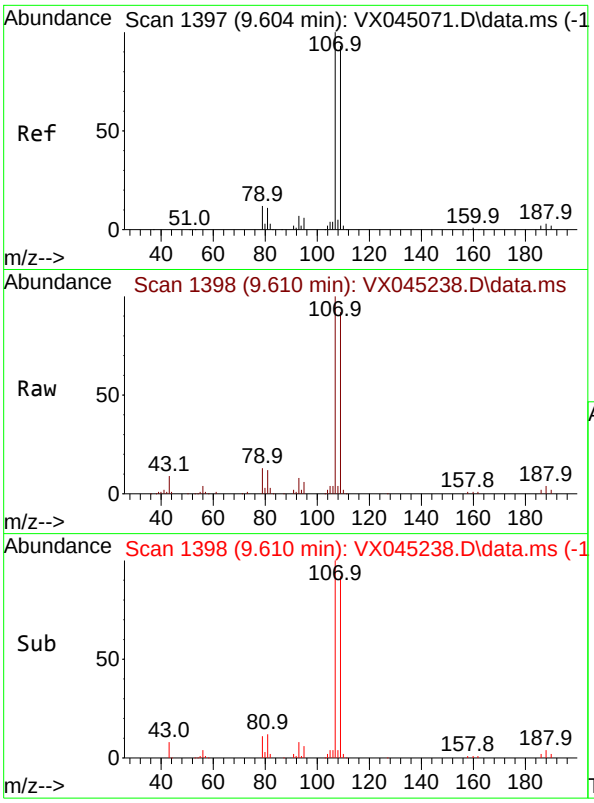


#60
Dibromochloromethane
Concen: 53.657 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:129 Resp: 70119

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.5	115.5

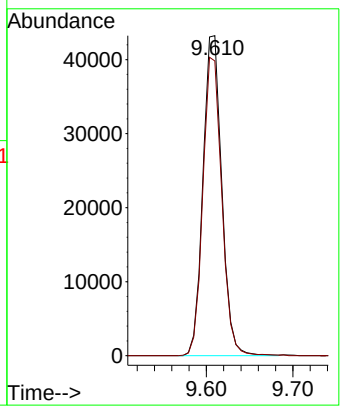




#61
1,2-Dibromoethane
Concen: 52.253 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:107 Resp: 6519

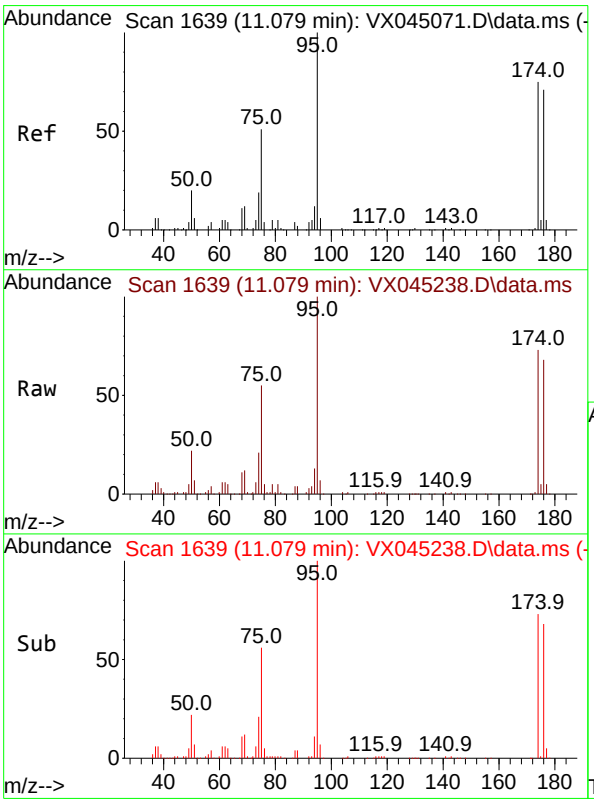
Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

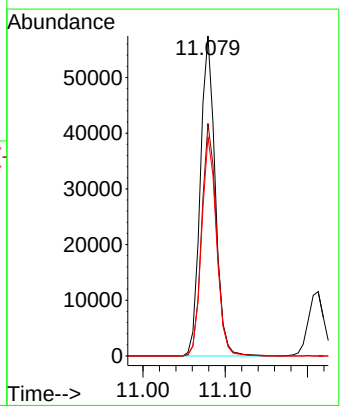
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

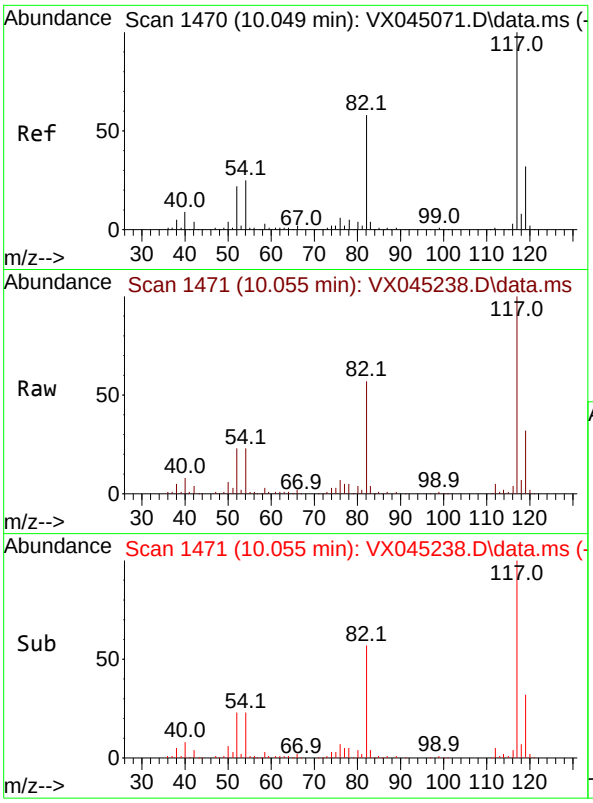


#62
4-Bromofluorobenzene
Concen: 50.383 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 95 Resp: 72321

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	68.3	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

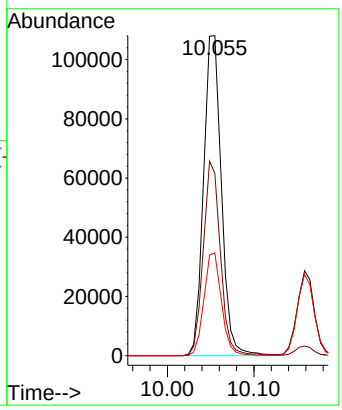
Tgt Ion:117 Resp: 15501

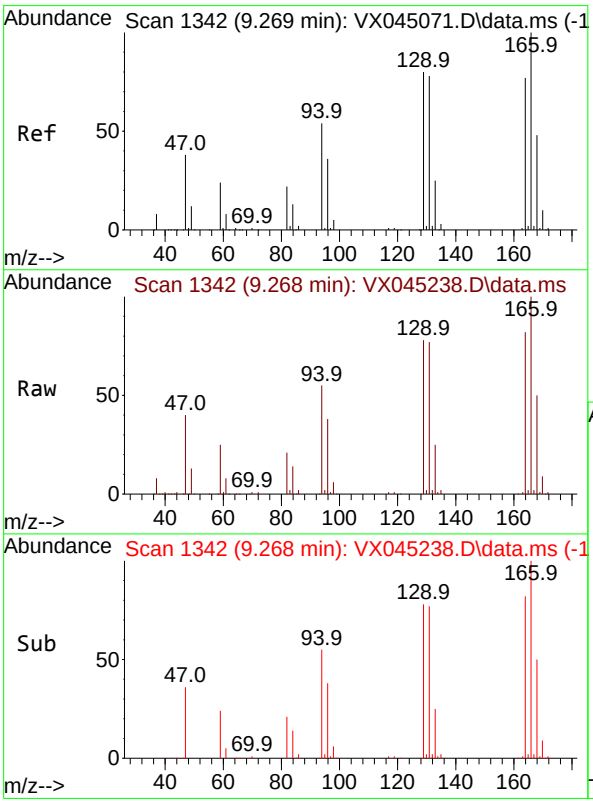
Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.3	69.5
119	32.1	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

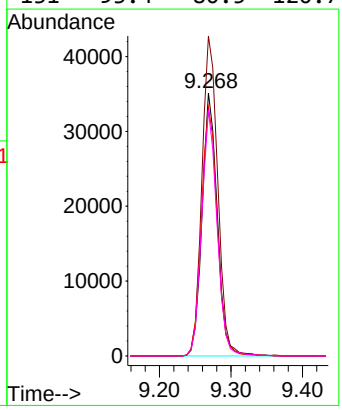


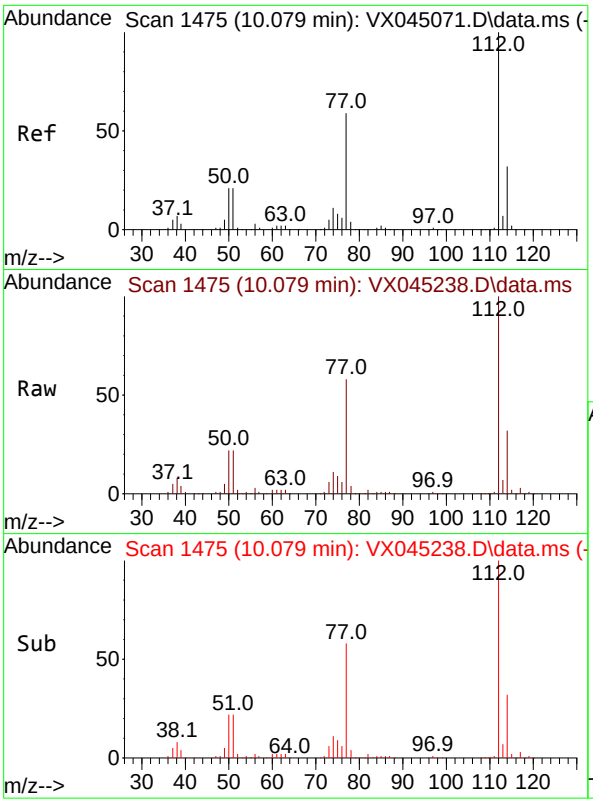


#64
Tetrachloroethene
Concen: 52.291 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:164 Resp: 51914

Ion	Ratio	Lower	Upper
164	100		
166	121.7	103.6	155.4
129	94.7	82.7	124.1
131	93.4	80.5	120.7

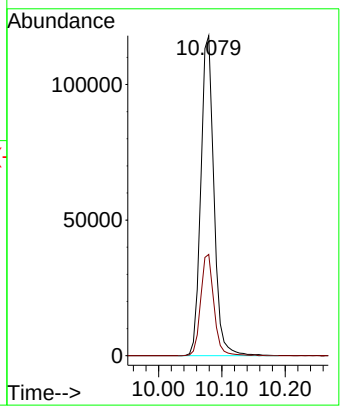




#65
Chlorobenzene
Concen: 51.896 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:112 Resp: 17021

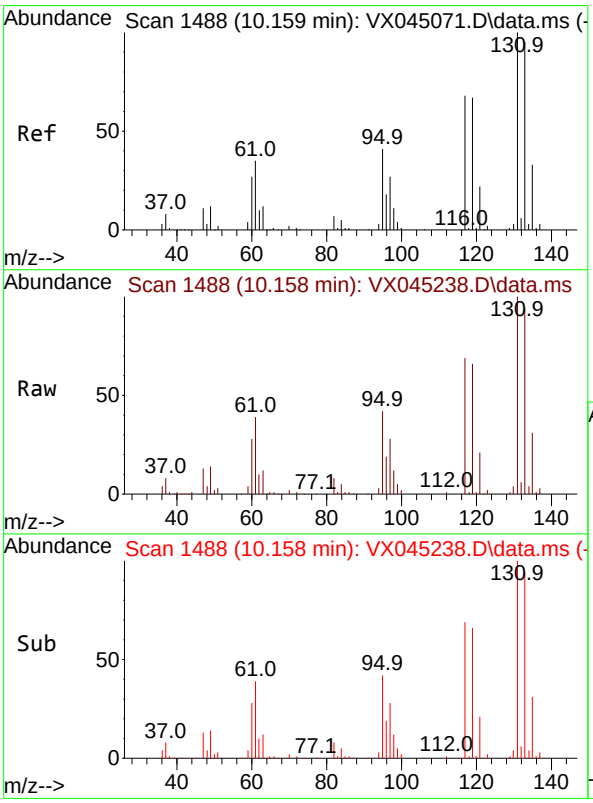
Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

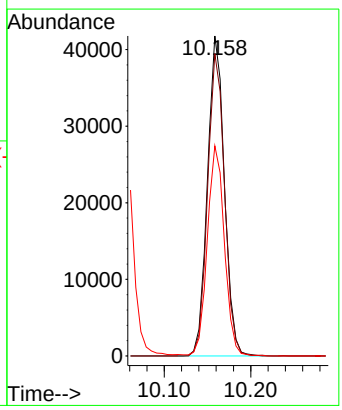
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

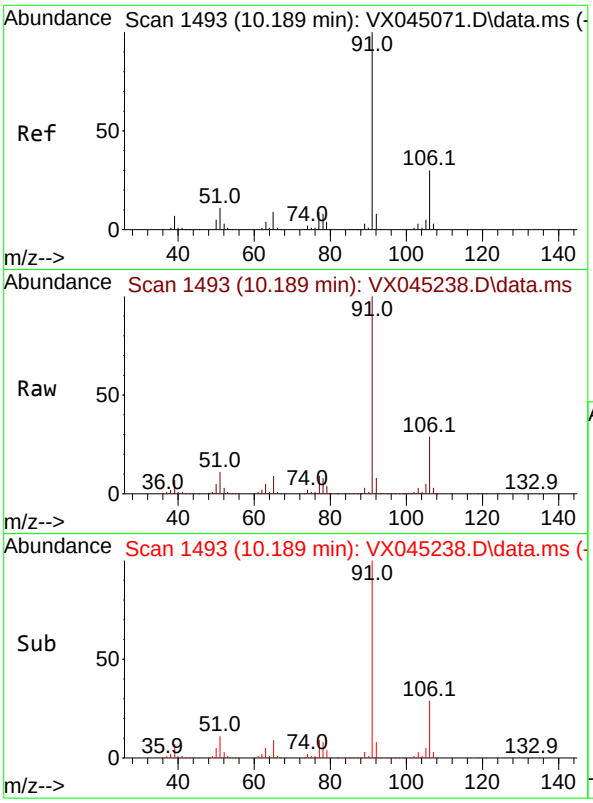


#66
1,1,1,2-Tetrachloroethane
Concen: 52.065 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:131 Resp: 56871

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.6	145.9
119	66.1	33.9	101.7





#67
Ethyl Benzene
Concen: 53.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

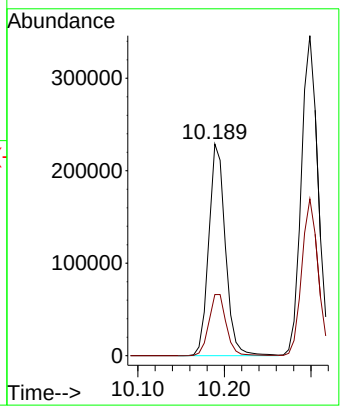
Tgt Ion: 91 Resp: 30521

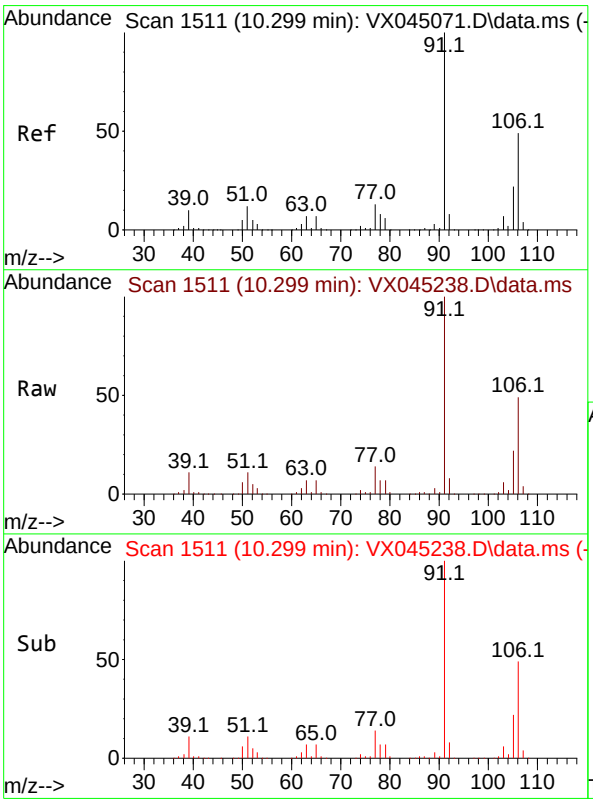
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

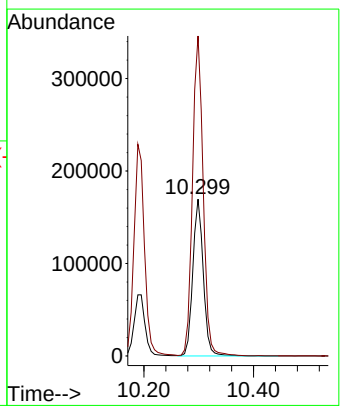


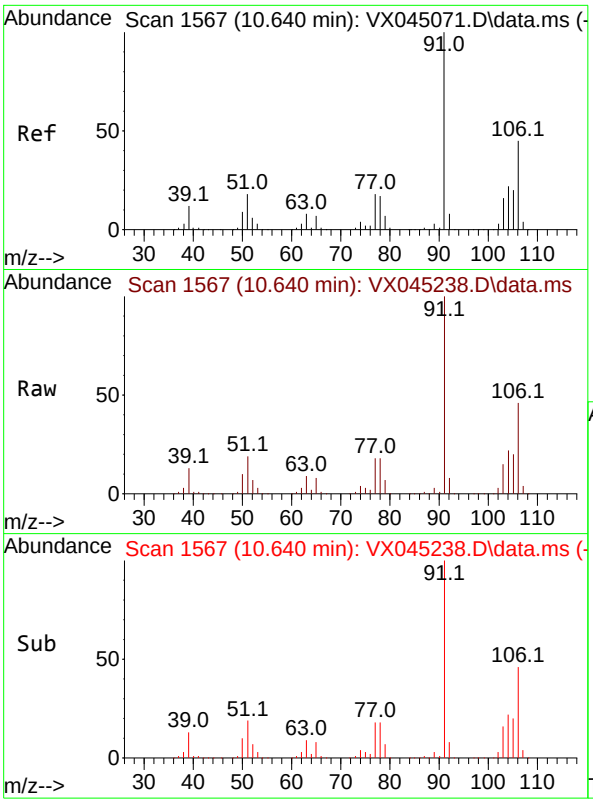


#68
m/p-Xylenes
Concen: 108.086 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:106 Resp: 226136

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.4	248.0

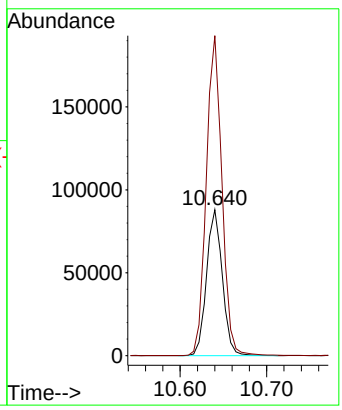




#69
o-Xylene
Concen: 52.821 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:106 Resp: 11145

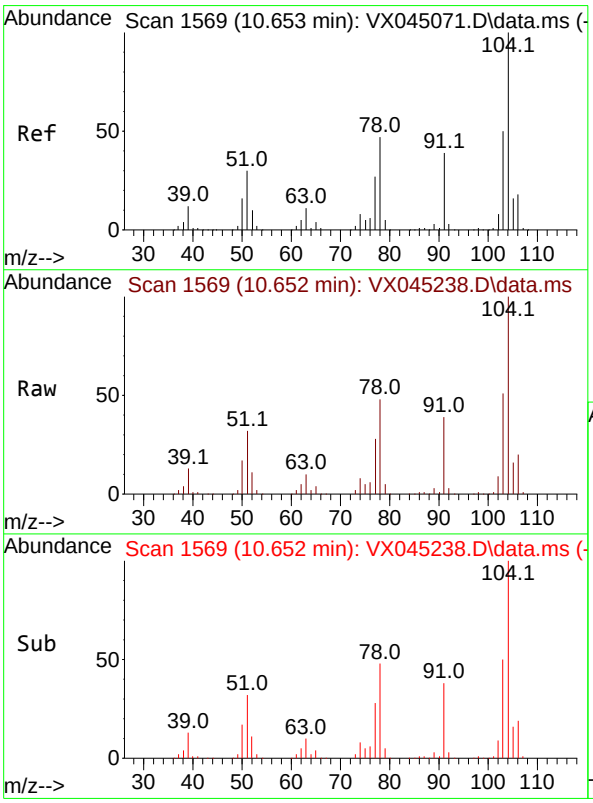
Ion	Ratio	Lower	Upper
106	100		
91	217.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

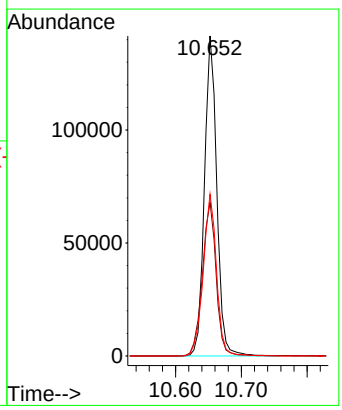
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

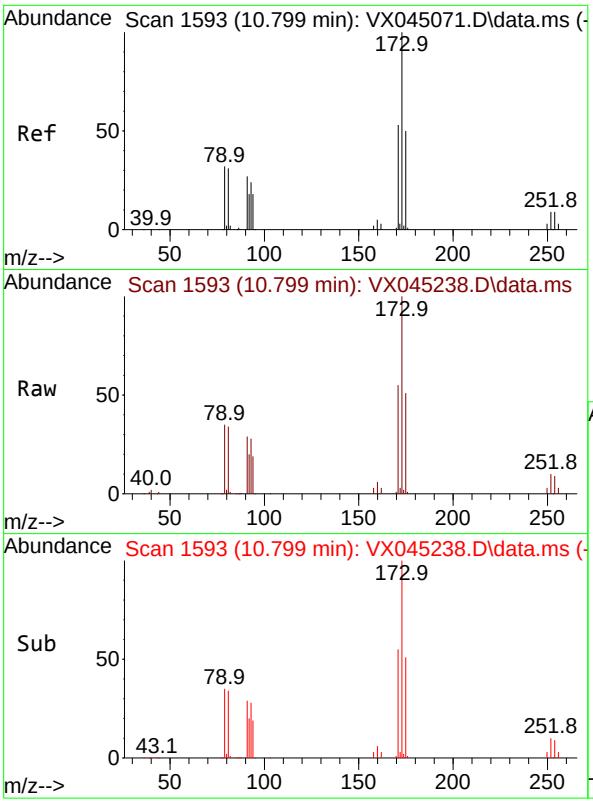


#70
Styrene
Concen: 54.206 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:104 Resp: 185074

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.8	43.8	65.8

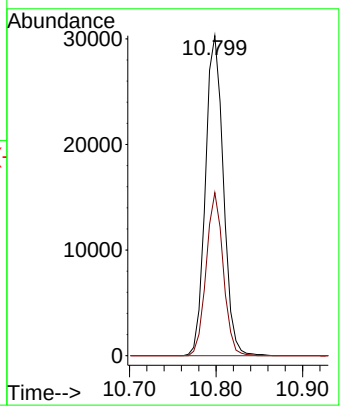




#71
Bromoform
Concen: 52.915 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:173 Resp: 4358

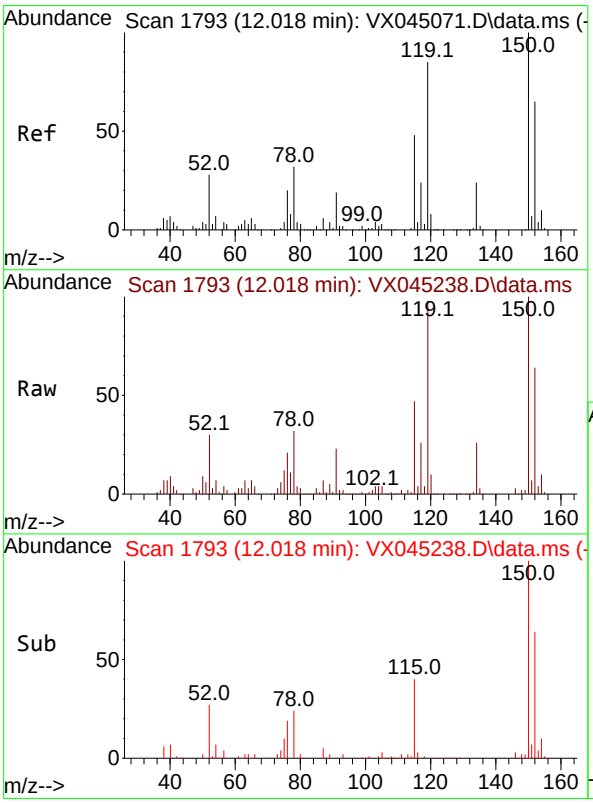
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

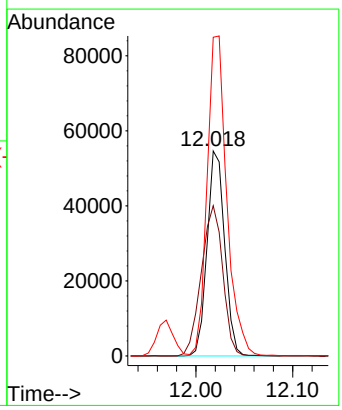
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

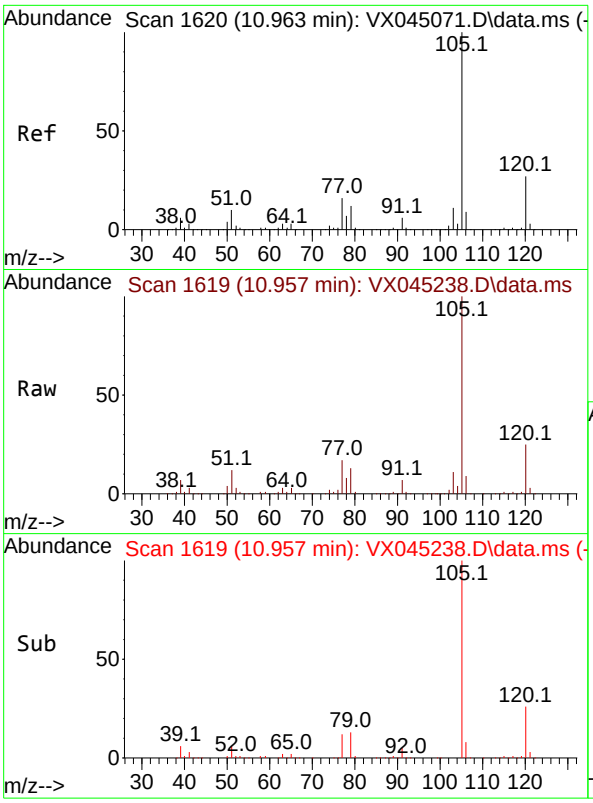


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:152 Resp: 69105

Ion	Ratio	Lower	Upper
152	100		
115	89.5	44.2	132.6
150	174.2	0.0	349.0

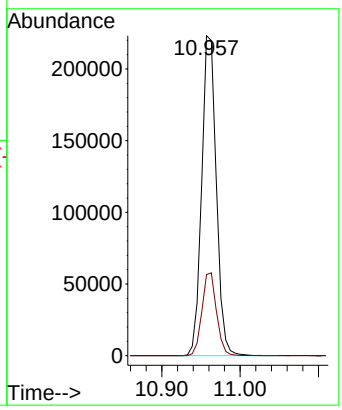




#73
Isopropylbenzene
Concen: 53.664 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:105 Resp: 28945

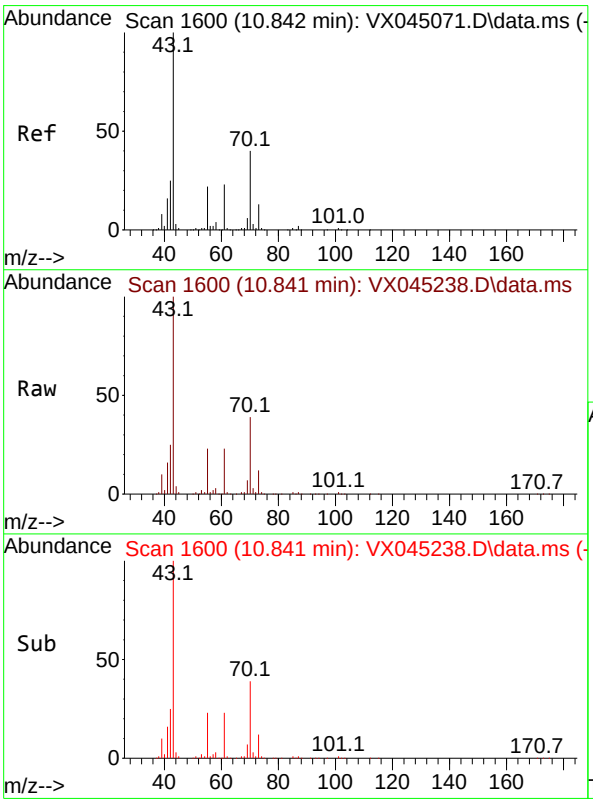
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

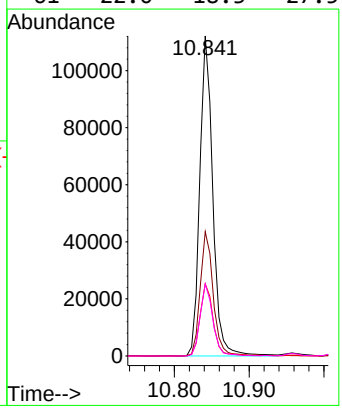
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

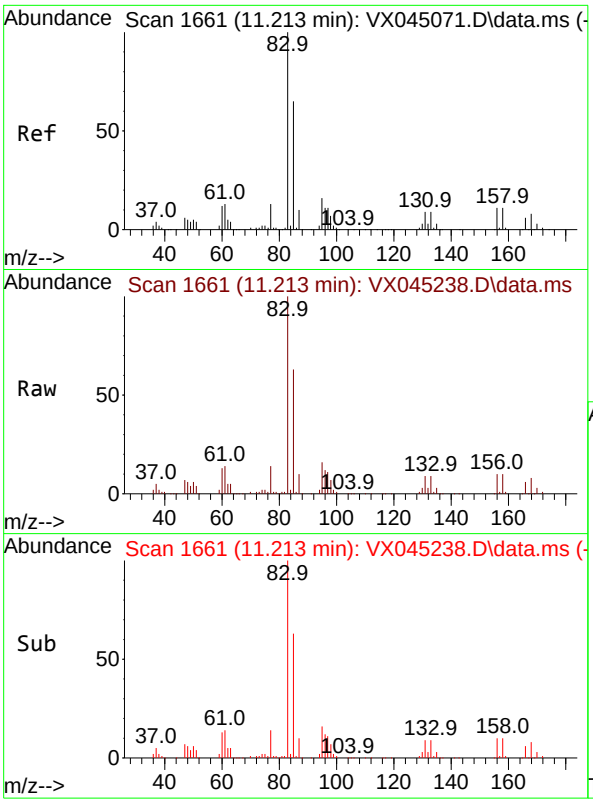


#74
N-amyl acetate
Concen: 53.623 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 135717

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.8	47.6
55	23.0	18.3	27.5
61	22.0	18.3	27.5

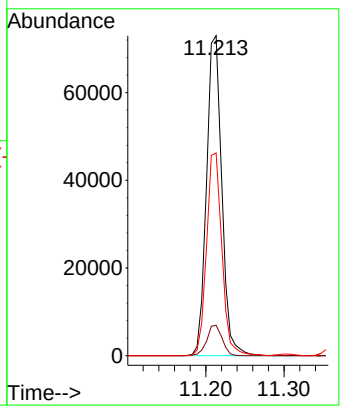




#75
1,1,2,2-Tetrachloroethane
Concen: 49.915 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 83 Resp: 9879

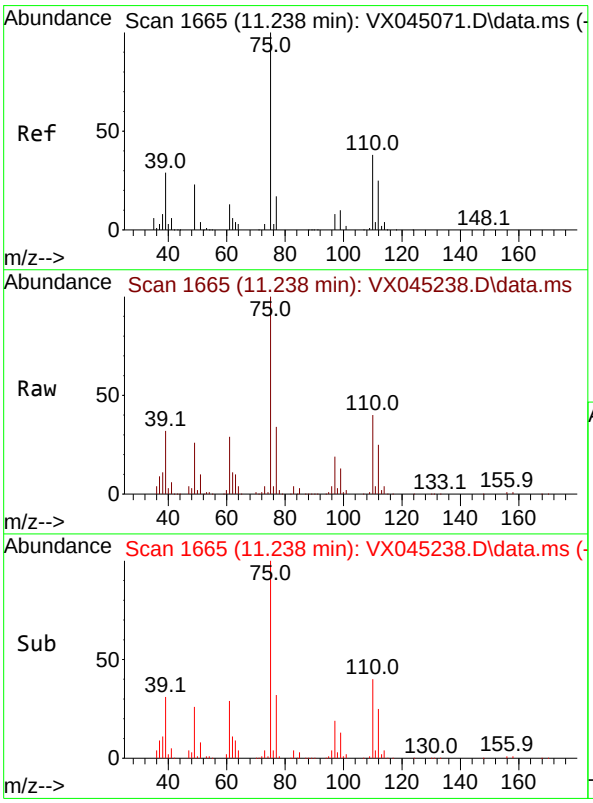
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

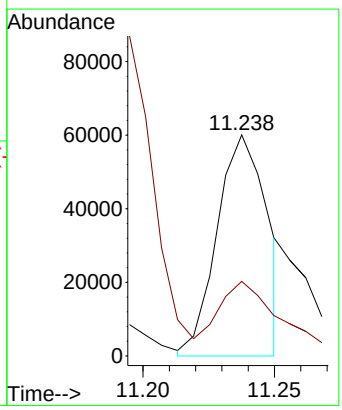
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

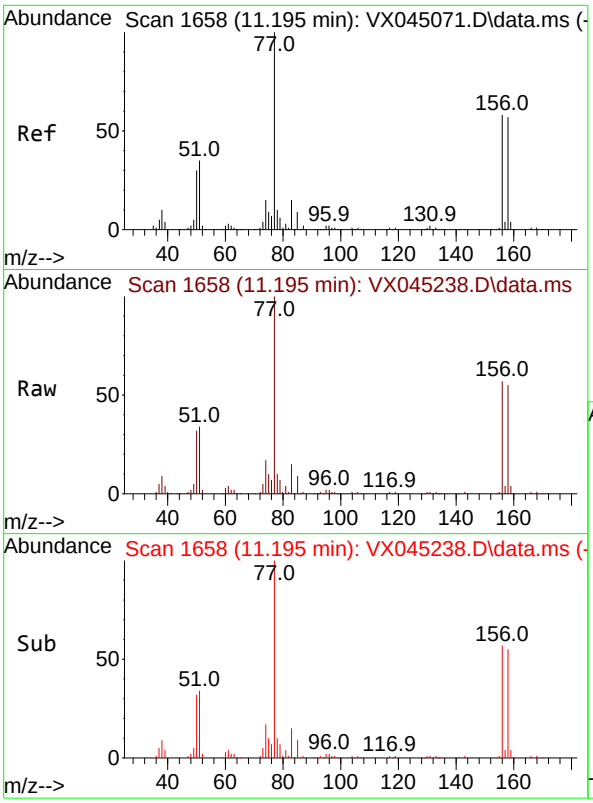


#76
1,2,3-Trichloropropane
Concen: 49.562 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 79716

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.7	62.1





#77
Bromobenzene
Concen: 49.867 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

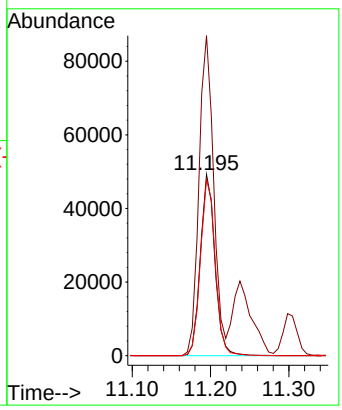
Tgt Ion:156 Resp: 6346

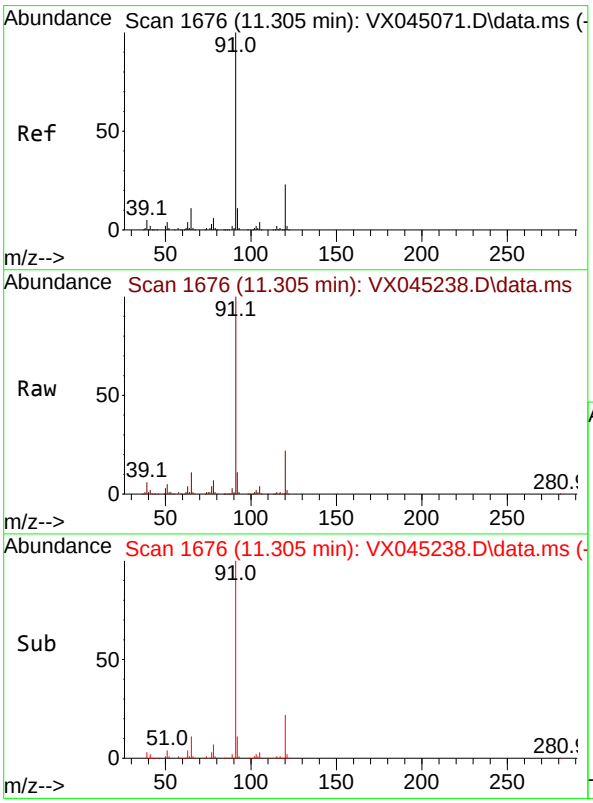
Ion	Ratio	Lower	Upper
156	100		
77	177.6	85.8	257.4
158	98.9	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

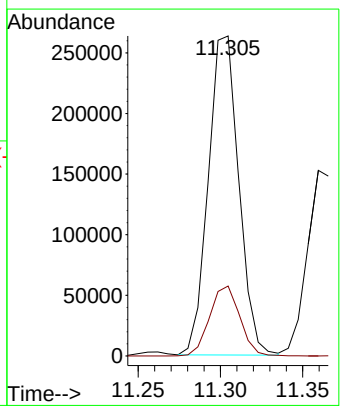


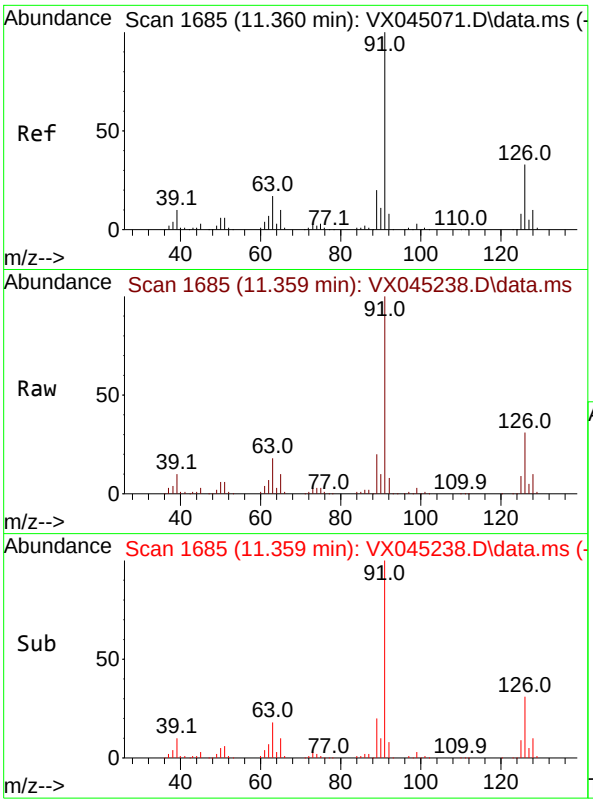


#78
n-propylbenzene
Concen: 55.677 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 91 Resp: 339244

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

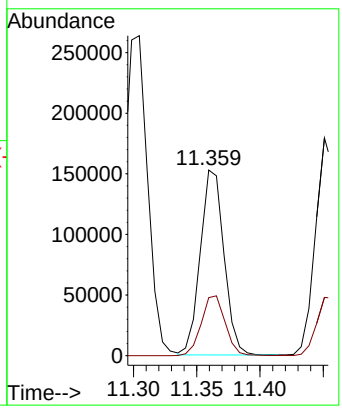




#79
2-Chlorotoluene
Concen: 51.445 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 91 Resp: 19962

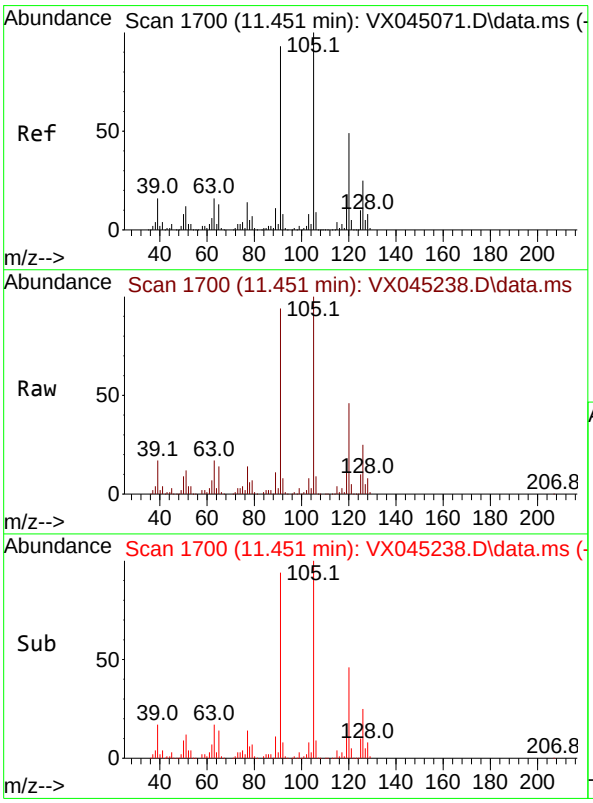
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

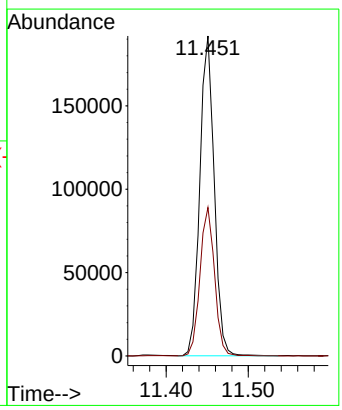
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

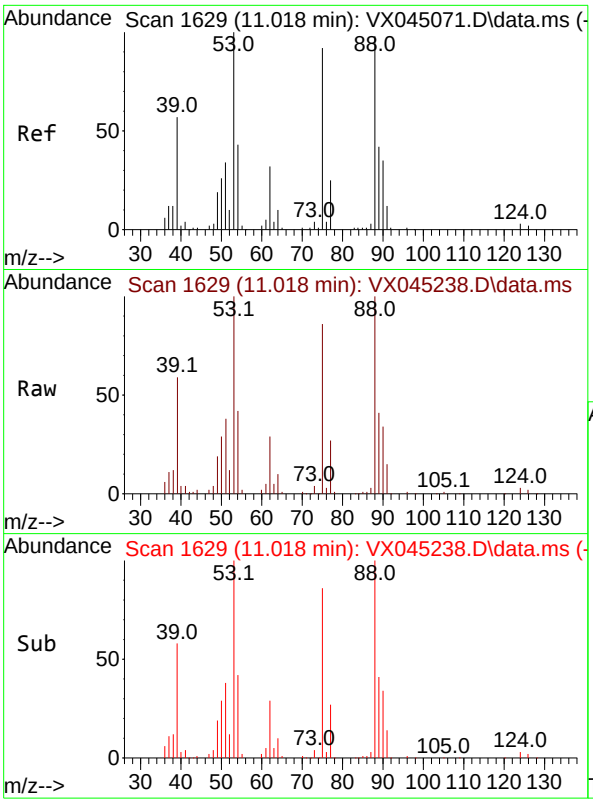


#80
1,3,5-Trimethylbenzene
Concen: 53.635 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:105 Resp: 233921

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

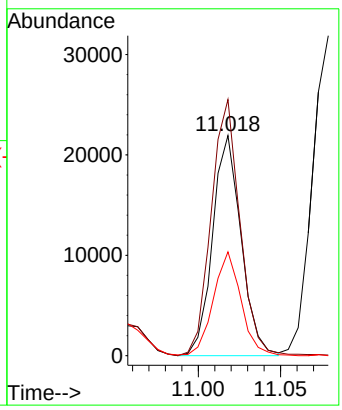




#81
trans-1,4-Dichloro-2-butene
Concen: 56.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 2643

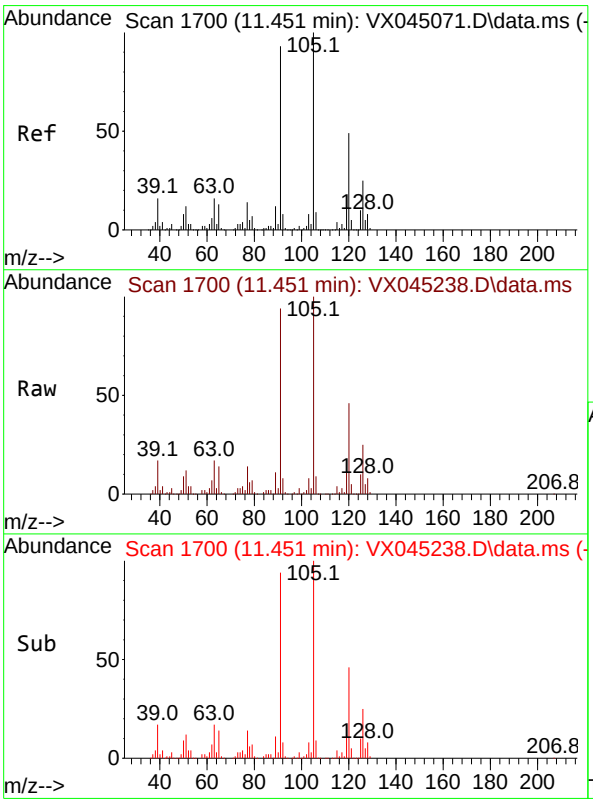
Ion	Ratio	Lower	Upper
75	100		
53	117.6	88.5	132.7
89	45.8	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

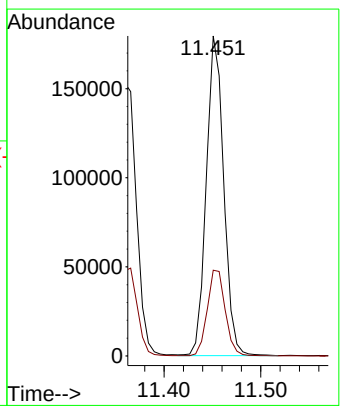
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

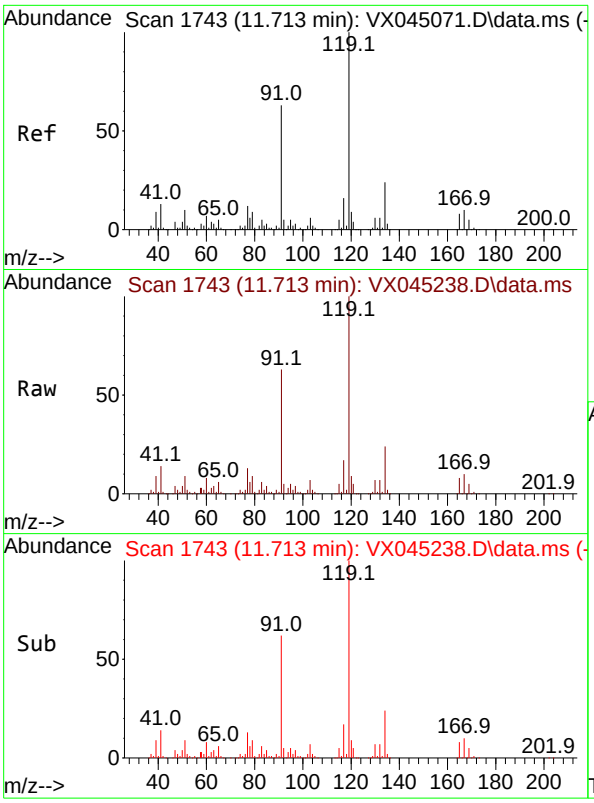


#82
4-Chlorotoluene
Concen: 53.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 91 Resp: 224700

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

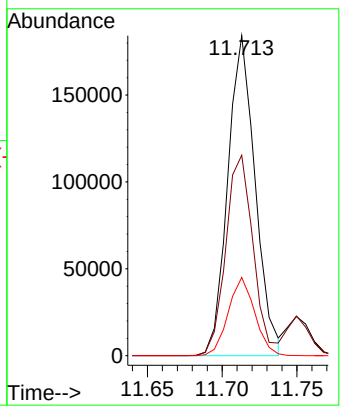




#83
tert-Butylbenzene
Concen: 52.418 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:119 Resp: 23489

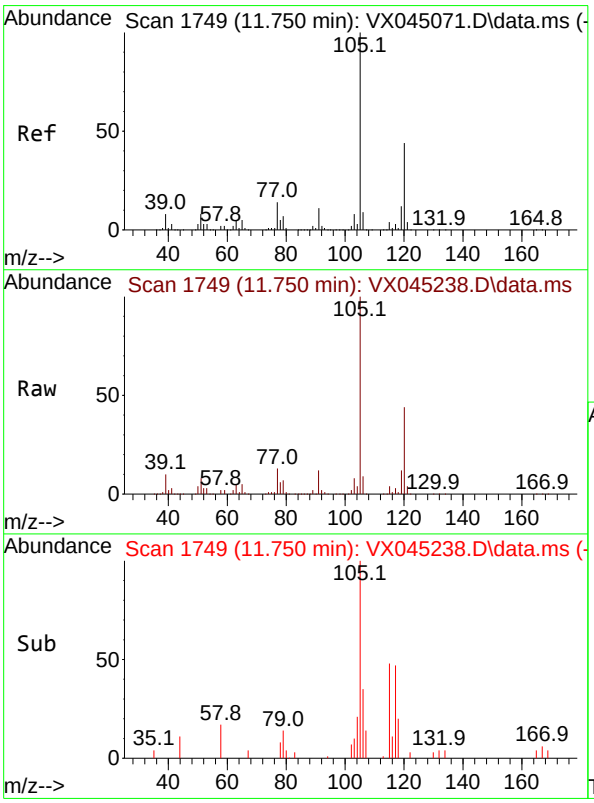
Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.7	92.1
134	23.7	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

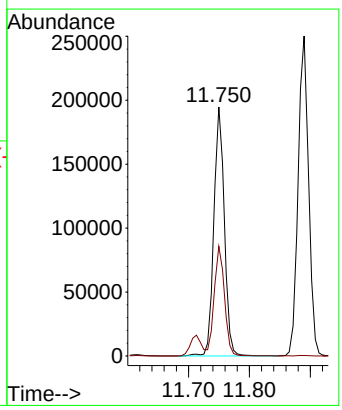
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

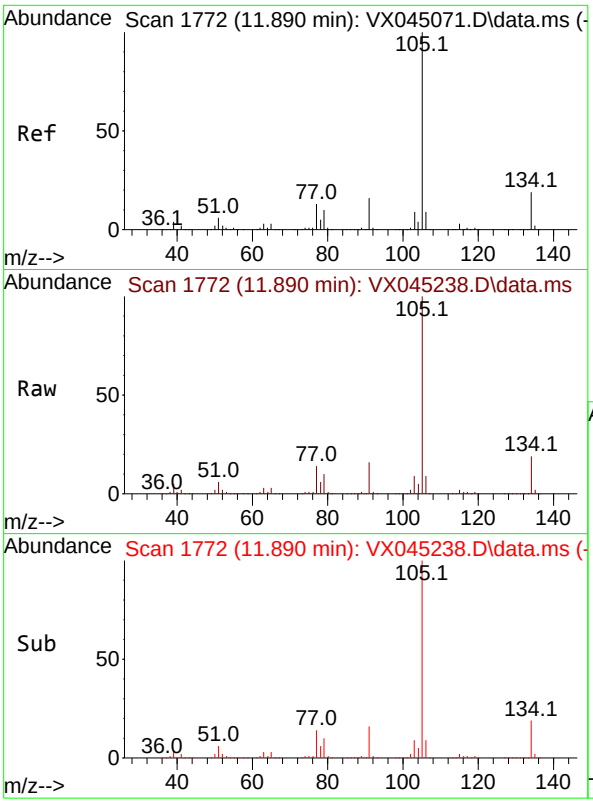


#84
1,2,4-Trimethylbenzene
Concen: 53.059 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:105 Resp: 232840

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

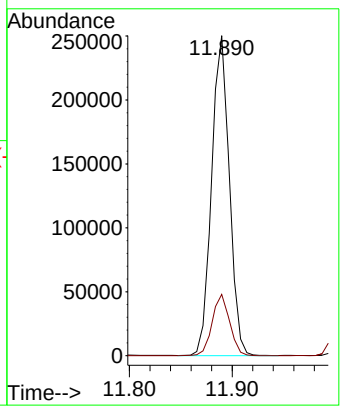




#85
sec-Butylbenzene
Concen: 55.757 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:105 Resp: 29929

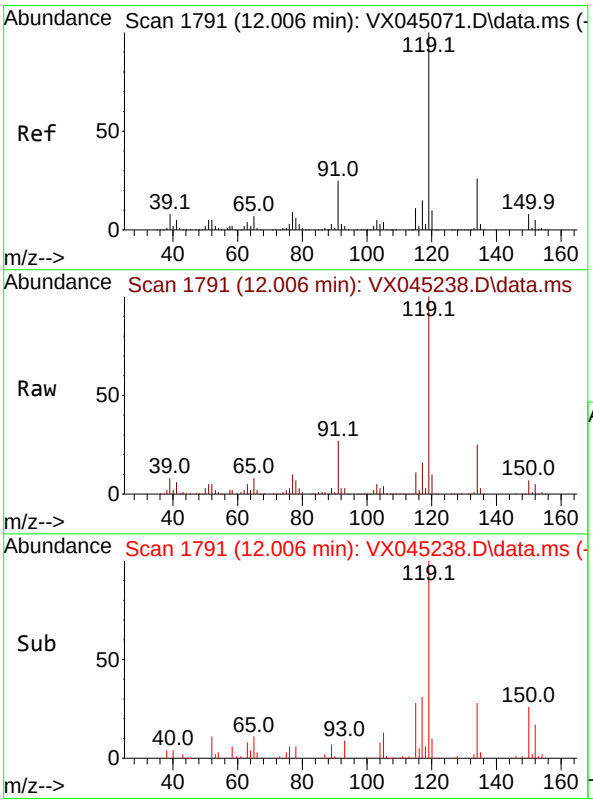
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

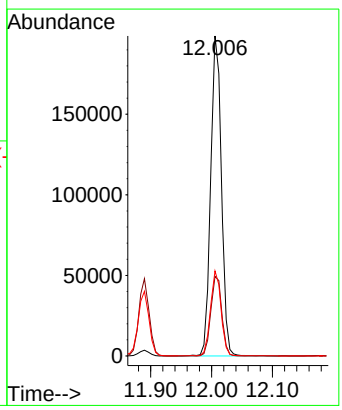
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

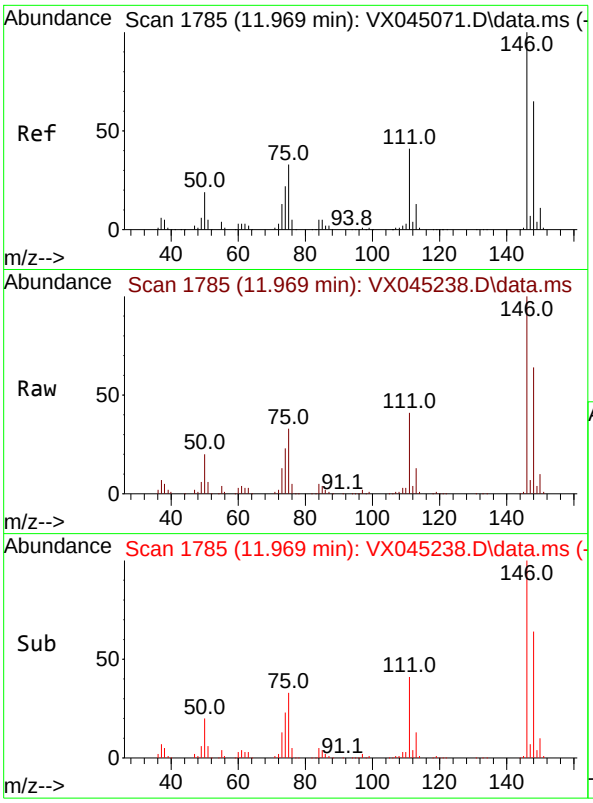


#86
p-Isopropyltoluene
Concen: 55.906 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:119 Resp: 242520

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	26.0	12.7	38.0

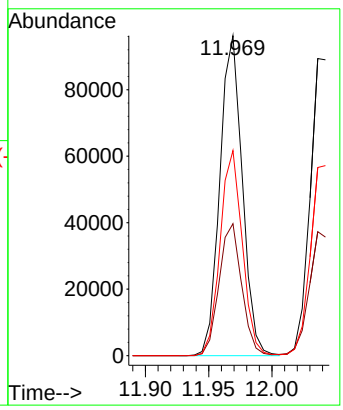




#87
1,3-Dichlorobenzene
Concen: 52.316 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:146 Resp: 11877

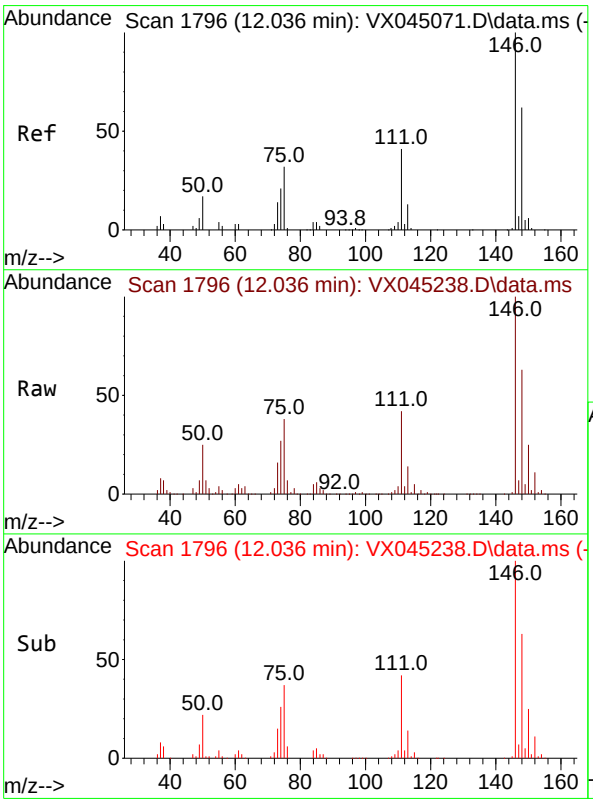
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	63.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

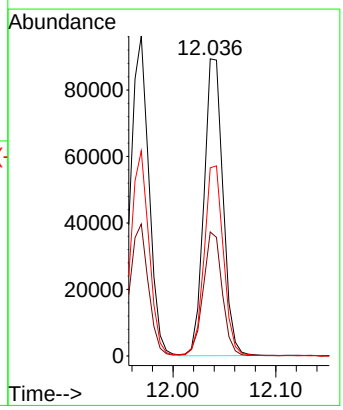
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

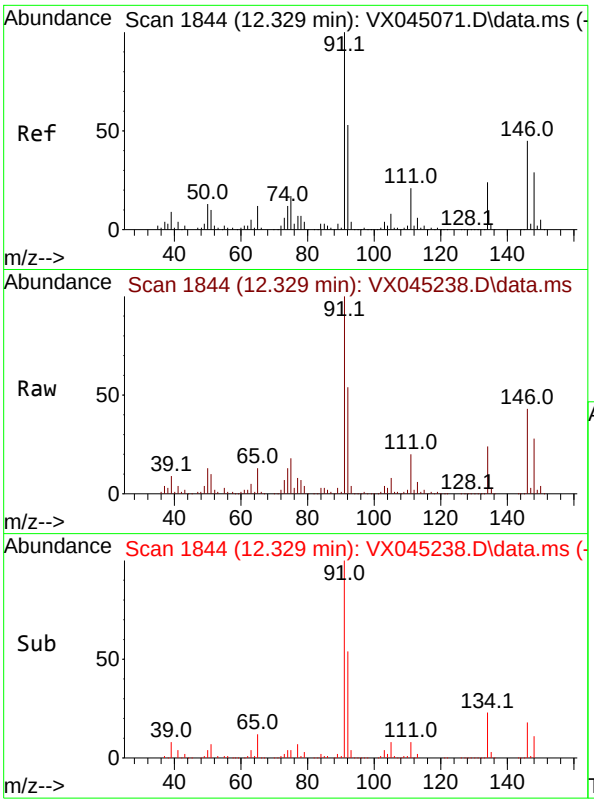


#88
1,4-Dichlorobenzene
Concen: 50.124 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:146 Resp: 115129

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	65.2	31.9	95.9

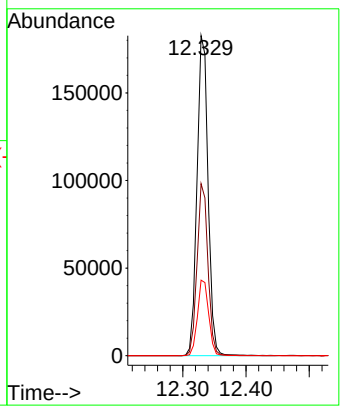




#89
n-Butylbenzene
Concen: 59.564 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 91 Resp: 22254

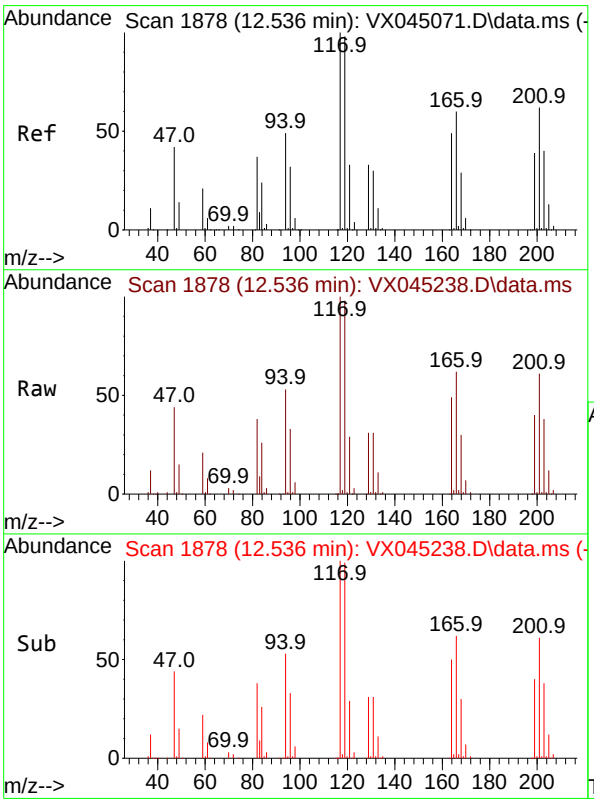
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

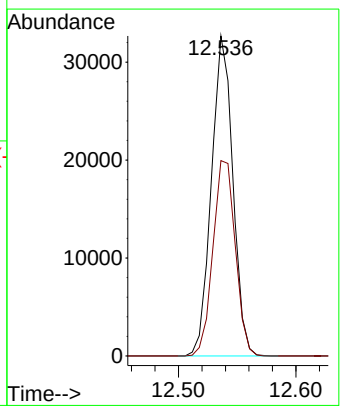
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

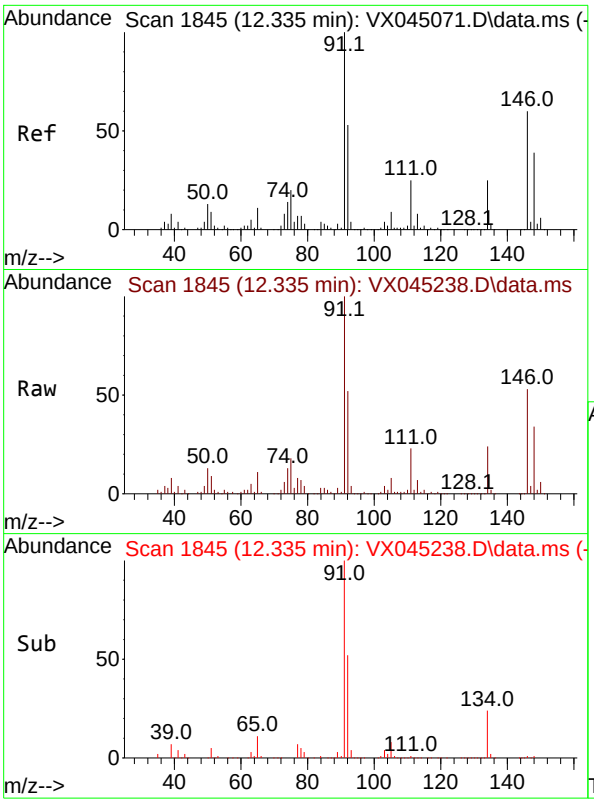


#90
Hexachloroethane
Concen: 52.836 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:117 Resp: 41457

Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.9	95.9

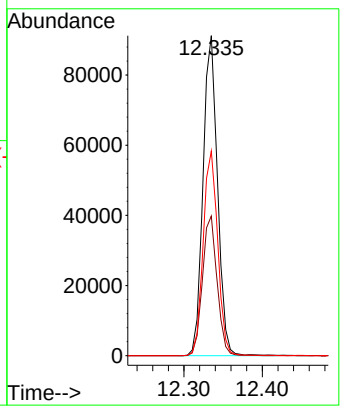




#91
1,2-Dichlorobenzene
Concen: 51.320 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:146 Resp: 11687

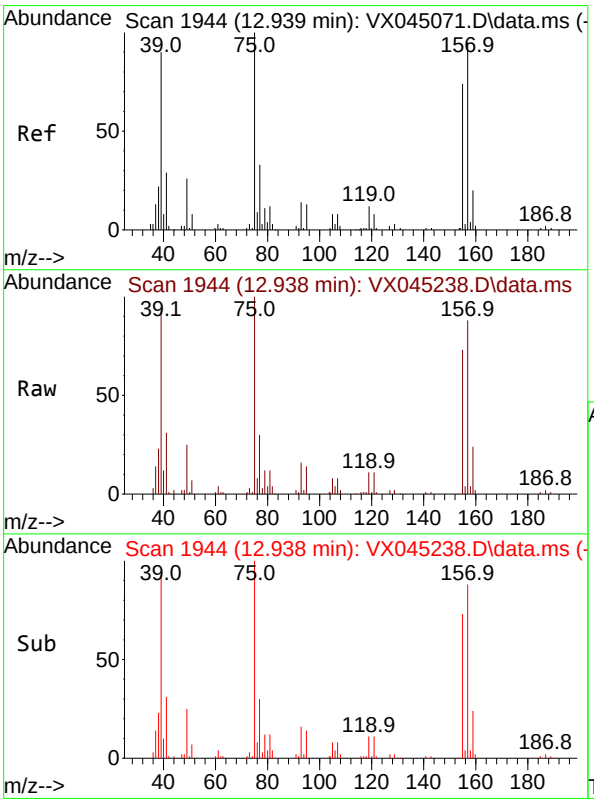
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	65.0
148	64.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

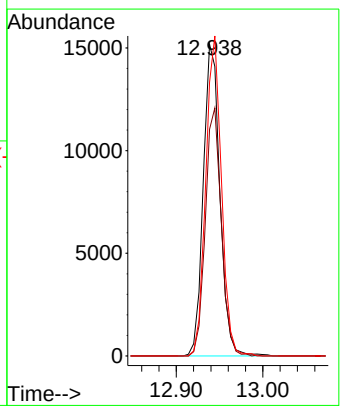
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

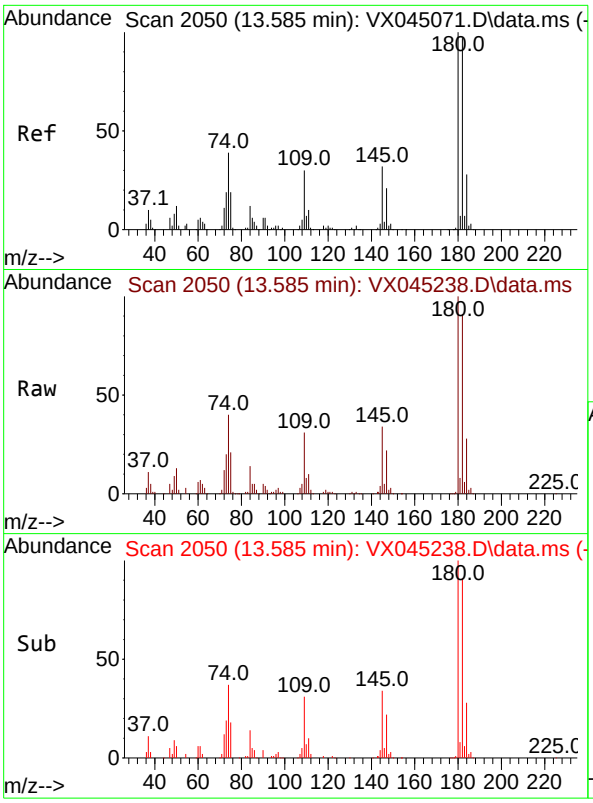


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.348 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 20186

Ion	Ratio	Lower	Upper
75	100		
155	76.7	39.6	118.7
157	97.1	51.1	153.4

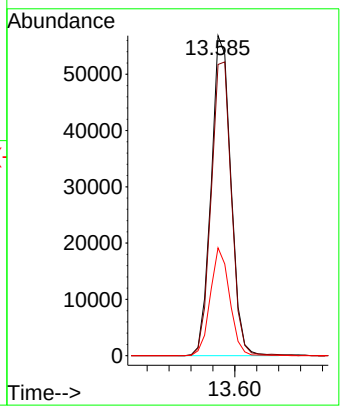




#93
1,2,4-Trichlorobenzene
Concen: 54.915 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:180 Resp: 7121

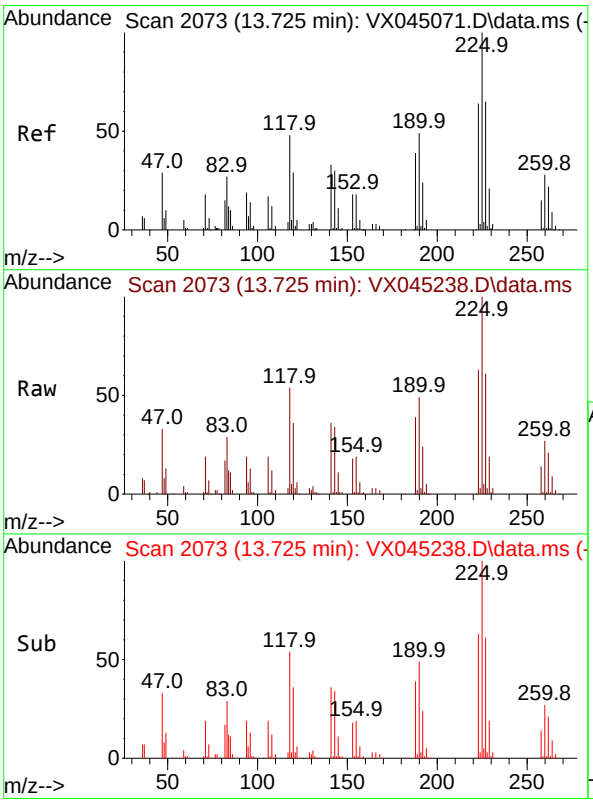
Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	33.0	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

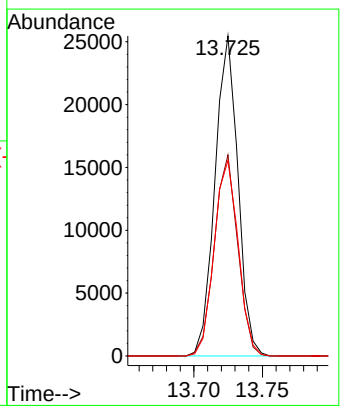
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

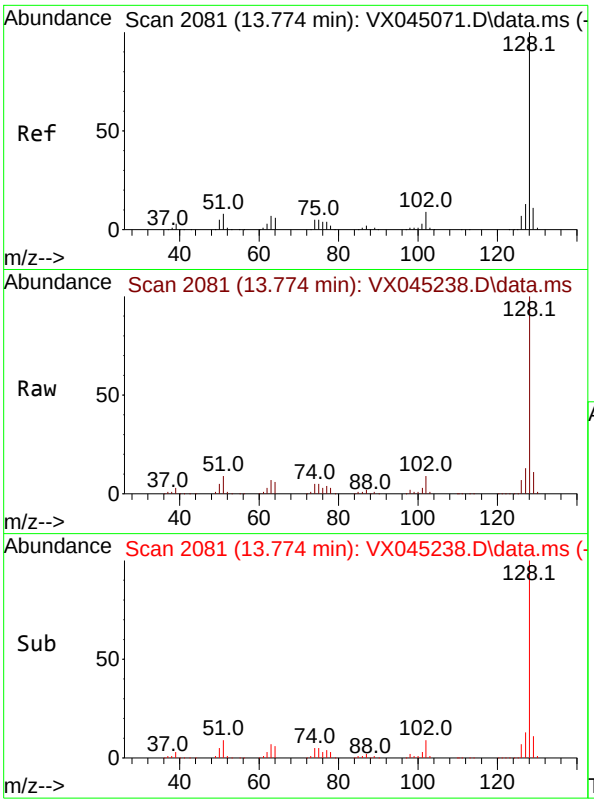


#94
Hexachlorobutadiene
Concen: 55.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:225 Resp: 29653

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.0	31.4	94.0

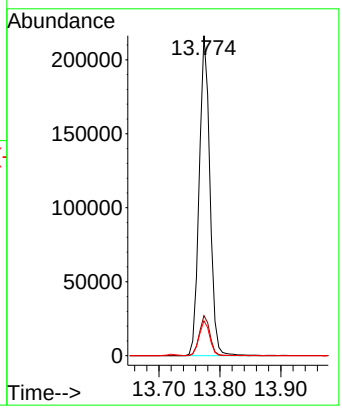




#95
Naphthalene
Concen: 53.049 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:128 Resp: 26431

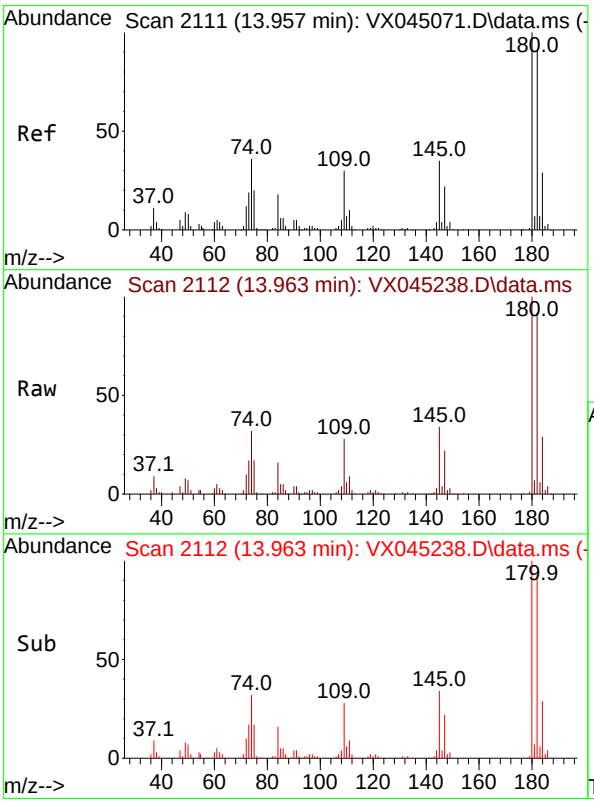
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

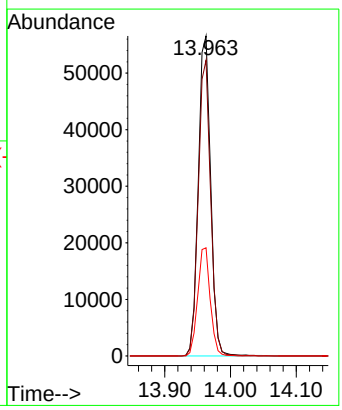
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.089 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:180 Resp: 73996

Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.5	142.6
145	34.3	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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	100	0.00
2	T	Dichlorodifluoromethane	0.629	0.623	1.0	100	0.00
3	P	Chloromethane	0.770	0.686	10.9	91	0.00
4	C	Vinyl Chloride	0.764	0.686	10.2#	90	0.00
5	T	Bromomethane	0.300	0.278	7.3	95	0.00
6	T	Chloroethane	0.352	0.332	5.7	89	0.00
7	T	Trichlorofluoromethane	1.011	0.980	3.1	94	0.00
8	T	Diethyl Ether	0.396	0.343	13.4	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.630	-8.4	106	0.00
10	T	Methyl Iodide	0.726	0.751	-3.4	98	0.00
11	T	Tert butyl alcohol	0.151	0.110	27.2#	82	0.00
12	CM	1,1-Dichloroethene	0.614	0.599	2.4#	96	0.00
13	T	Acrolein	0.174	0.139	20.1	80	0.00
14	T	Allyl chloride	1.094	1.113	-1.7	101	0.00
15	T	Acrylonitrile	0.404	0.400	1.0	98	0.00
16	T	Acetone	0.369	0.345	6.5	99	0.00
17	T	Carbon Disulfide	1.636	1.414	13.6	85	0.00
18	T	Methyl Acetate	0.888	1.013	-14.1	117	0.00
19	T	Methyl tert-butyl Ether	2.061	2.012	2.4	97	0.00
20	T	Methylene Chloride	0.731	0.691	5.5	99	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.596	1.8	95	0.00
22	T	Diisopropyl ether	2.224	2.229	-0.2	98	0.00
23	T	Vinyl Acetate	1.856	1.899	-2.3	96	0.00
24	P	1,1-Dichloroethane	1.247	1.215	2.6	98	0.00
25	T	2-Butanone	0.555	0.558	-0.5	97	0.00
26	T	2,2-Dichloropropane	0.585	0.821	-40.3#	138	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.743	0.8	98	0.00
28	T	Bromochloromethane	0.594	0.588	1.0	98	0.00
29	T	Tetrahydrofuran	0.373	0.355	4.8	95	0.00
30	C	Chloroform	1.239	1.231	0.6#	99	0.00
31	T	Cyclohexane	1.082	1.062	1.8	96	0.00
32	T	1,1,1-Trichloroethane	1.000	0.992	0.8	97	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.751	5.5	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.334	0.337	-0.9	98	0.00
36	T	1,1-Dichloropropene	0.459	0.460	-0.2	94	0.00
37	T	Ethyl Acetate	0.591	0.598	-1.2	95	0.00
38	T	Carbon Tetrachloride	0.465	0.482	-3.7	99	0.00
39	T	Methylcyclohexane	0.549	0.607	-10.6	100	0.00
40	TM	Benzene	1.448	1.476	-1.9	95	0.00
41	T	Methacrylonitrile	0.319	0.347	-8.8	98	0.00
42	TM	1,2-Dichloroethane	0.521	0.550	-5.6	100	0.00
43	T	Isopropyl Acetate	0.874	0.928	-6.2	96	0.00
44	TM	Trichloroethene	0.340	0.350	-2.9	98	0.00
45	C	1,2-Dichloropropane	0.372	0.378	-1.6#	98	0.00
46	T	Dibromomethane	0.263	0.278	-5.7	99	0.00
47	T	Bromodichloromethane	0.516	0.551	-6.8	101	0.00
48	T	Methyl methacrylate	0.438	0.475	-8.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.008	11.1	83	0.00
50	S	Toluene-d8	1.212	1.179	2.7	93	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.627	-6.8	99	0.00
52	CM	Toluene	0.849	0.884	-4.1#	94	0.00
53	T	t-1,3-Dichloropropene	0.431	0.489	-13.5	100	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.560	-11.3	100	0.00
55	T	1,1,2-Trichloroethane	0.350	0.360	-2.9	97	0.00
56	T	Ethyl methacrylate	0.532	0.577	-8.5	97	0.00
57	T	1,3-Dichloropropane	0.605	0.618	-2.1	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.283	-9.3	95	0.00
59	T	2-Hexanone	0.425	0.450	-5.9	96	0.00
60	T	Dibromochloromethane	0.366	0.392	-7.1	98	0.00
61	T	1,2-Dibromoethane	0.349	0.365	-4.6	98	0.00
62	S	4-Bromofluorobenzene	0.402	0.405	-0.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.320	0.335	-4.7	99	0.00
65	PM	Chlorobenzene	1.058	1.098	-3.8	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.367	-4.3	99	0.00
67	C	Ethyl Benzene	1.843	1.969	-6.8#	96	0.00
68	T	m/p-Xylenes	0.675	0.729	-8.0	96	0.00
69	T	o-Xylene	0.681	0.719	-5.6	97	0.00
70	T	Styrene	1.101	1.194	-8.4	97	0.00
71	P	Bromoform	0.266	0.281	-5.6	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	4.189	-7.3	98	0.00
74	T	N-amyl acetate	1.831	1.964	-7.3	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.430	0.1	98	0.00
76	T	1,2,3-Trichloropropane	1.164	1.154	0.9	98	0.00
77	T	Bromobenzene	0.921	0.918	0.3	95	0.00
78	T	n-propylbenzene	4.409	4.909	-11.3	99	0.00
79	T	2-Chlorotoluene	2.808	2.889	-2.9	98	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.385	-7.3	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.382	-12.4	110	0.00
82	T	4-Chlorotoluene	3.060	3.252	-6.3	97	0.00
83	T	tert-Butylbenzene	3.242	3.399	-4.8	98	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.369	-6.1	97	0.00
85	T	sec-Butylbenzene	3.884	4.331	-11.5	100	0.00
86	T	p-Isopropyltoluene	3.139	3.509	-11.8	99	0.00
87	T	1,3-Dichlorobenzene	1.643	1.719	-4.6	100	0.00
88	T	1,4-Dichlorobenzene	1.662	1.666	-0.2	96	0.00
89	T	n-Butylbenzene	2.703	3.220	-19.1	104	0.00
90	T	Hexachloroethane	0.568	0.600	-5.6	96	0.00
91	T	1,2-Dichlorobenzene	1.648	1.691	-2.6	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.292	-4.7	98	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.031	-9.9	99	0.00
94	T	Hexachlorobutadiene	0.385	0.429	-11.4	106	0.00
95	T	Naphthalene	3.605	3.825	-6.1	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.071	-8.2	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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	100	0.00
2	T	Dichlorodifluoromethane	50.000	49.459	1.1	100	0.00
3	P	Chloromethane	50.000	44.525	11.0	91	0.00
4	C	Vinyl Chloride	50.000	44.911	10.2#	90	0.00
5	T	Bromomethane	50.000	46.226	7.5	95	0.00
6	T	Chloroethane	50.000	47.163	5.7	89	0.00
7	T	Trichlorofluoromethane	50.000	48.436	3.1	94	0.00
8	T	Diethyl Ether	50.000	43.384	13.2	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.247	-8.5	106	0.00
10	T	Methyl Iodide	50.000	51.721	-3.4	98	0.00
11	T	Tert butyl alcohol	250.000	182.890	26.8#	82	0.00
12	CM	1,1-Dichloroethene	50.000	48.725	2.5#	96	0.00
13	T	Acrolein	250.000	199.949	20.0	80	0.00
14	T	Allyl chloride	50.000	50.897	-1.8	101	0.00
15	T	Acrylonitrile	250.000	247.683	0.9	98	0.00
16	T	Acetone	250.000	234.069	6.4	99	0.00
17	T	Carbon Disulfide	50.000	43.194	13.6	85	0.00
18	T	Methyl Acetate	50.000	57.056	-14.1	117	0.00
19	T	Methyl tert-butyl Ether	50.000	48.805	2.4	97	0.00
20	T	Methylene Chloride	50.000	47.297	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.065	1.9	95	0.00
22	T	Diisopropyl ether	50.000	50.113	-0.2	98	0.00
23	T	Vinyl Acetate	250.000	255.834	-2.3	96	0.00
24	P	1,1-Dichloroethane	50.000	48.745	2.5	98	0.00
25	T	2-Butanone	250.000	250.972	-0.4	97	0.00
26	T	2,2-Dichloropropane	50.000	70.215	-40.4#	138	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.593	0.8	98	0.00
28	T	Bromochloromethane	50.000	49.455	1.1	98	0.00
29	T	Tetrahydrofuran	250.000	238.107	4.8	95	0.00
30	C	Chloroform	50.000	49.675	0.7#	99	0.00
31	T	Cyclohexane	50.000	49.096	1.8	96	0.00
32	T	1,1,1-Trichloroethane	50.000	49.582	0.8	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.184	5.6	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	50.434	-0.9	98	0.00
36	T	1,1-Dichloropropene	50.000	50.164	-0.3	94	0.00
37	T	Ethyl Acetate	50.000	50.640	-1.3	95	0.00
38	T	Carbon Tetrachloride	50.000	51.792	-3.6	99	0.00
39	T	Methylcyclohexane	50.000	55.236	-10.5	100	0.00
40	TM	Benzene	50.000	50.984	-2.0	95	0.00
41	T	Methacrylonitrile	50.000	54.370	-8.7	98	0.00
42	TM	1,2-Dichloroethane	50.000	52.777	-5.6	100	0.00
43	T	Isopropyl Acetate	50.000	53.134	-6.3	96	0.00
44	TM	Trichloroethene	50.000	51.477	-3.0	98	0.00
45	C	1,2-Dichloropropane	50.000	50.738	-1.5#	98	0.00
46	T	Dibromomethane	50.000	52.820	-5.6	99	0.00
47	T	Bromodichloromethane	50.000	53.359	-6.7	101	0.00
48	T	Methyl methacrylate	50.000	54.217	-8.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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	881.577	11.8	83	0.00
50	S	Toluene-d8	50.000	48.630	2.7	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.292	-6.9	99	0.00
52	CM	Toluene	50.000	52.048	-4.1#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	56.614	-13.2	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.619	-11.2	100	0.00
55	T	1,1,2-Trichloroethane	50.000	51.433	-2.9	97	0.00
56	T	Ethyl methacrylate	50.000	54.295	-8.6	97	0.00
57	T	1,3-Dichloropropane	50.000	51.088	-2.2	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.503	-9.0	95	0.00
59	T	2-Hexanone	250.000	264.714	-5.9	96	0.00
60	T	Dibromochloromethane	50.000	53.657	-7.3	98	0.00
61	T	1,2-Dibromoethane	50.000	52.253	-4.5	98	0.00
62	S	4-Bromofluorobenzene	50.000	50.383	-0.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	52.291	-4.6	99	0.00
65	PM	Chlorobenzene	50.000	51.896	-3.8	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.065	-4.1	99	0.00
67	C	Ethyl Benzene	50.000	53.404	-6.8#	96	0.00
68	T	m/p-Xylenes	100.000	108.086	-8.1	96	0.00
69	T	o-Xylene	50.000	52.821	-5.6	97	0.00
70	T	Styrene	50.000	54.206	-8.4	97	0.00
71	P	Bromoform	50.000	52.915	-5.8	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	53.664	-7.3	98	0.00
74	T	N-amyl acetate	50.000	53.623	-7.2	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.915	0.2	98	0.00
76	T	1,2,3-Trichloropropane	50.000	49.562	0.9	98	0.00
77	T	Bromobenzene	50.000	49.867	0.3	95	0.00
78	T	n-propylbenzene	50.000	55.677	-11.4	99	0.00
79	T	2-Chlorotoluene	50.000	51.445	-2.9	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.635	-7.3	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.234	-12.5	110	0.00
82	T	4-Chlorotoluene	50.000	53.131	-6.3	97	0.00
83	T	tert-Butylbenzene	50.000	52.418	-4.8	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.059	-6.1	97	0.00
85	T	sec-Butylbenzene	50.000	55.757	-11.5	100	0.00
86	T	p-Isopropyltoluene	50.000	55.906	-11.8	99	0.00
87	T	1,3-Dichlorobenzene	50.000	52.316	-4.6	100	0.00
88	T	1,4-Dichlorobenzene	50.000	50.124	-0.2	96	0.00
89	T	n-Butylbenzene	50.000	59.564	-19.1	104	0.00
90	T	Hexachloroethane	50.000	52.836	-5.7	96	0.00
91	T	1,2-Dichlorobenzene	50.000	51.320	-2.6	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.348	-4.7	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.915	-9.8	99	0.00
94	T	Hexachlorobutadiene	50.000	55.774	-11.5	106	0.00
95	T	Naphthalene	50.000	53.049	-6.1	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.089	-8.2	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: MSVOA_X Calibration Date/Time: 03/12/2025 17:41

Lab File ID: VX045255.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.617		-1.91	50
Chloromethane	0.770	0.716	0.1	-7.01	50
Vinyl Chloride	0.764	0.685		-10.34	50
Bromomethane	0.300	0.303		1	50
Chloroethane	0.352	0.378		7.39	50
Trichlorofluoromethane	1.012	1.023		1.09	50
1,1,2-Trichlorotrifluoroethane	0.581	0.634		9.12	50
1,1-Dichloroethene	0.614	0.615		0.16	50
Acetone	0.369	0.383		3.79	50
Carbon Disulfide	1.636	1.424		-12.96	50
Methyl tert-butyl Ether	2.061	2.128		3.25	50
Methyl Acetate	0.888	1.055		18.81	50
Methylene Chloride	0.731	0.732		0.14	50
trans-1,2-Dichloroethene	0.607	0.616		1.48	50
1,1-Dichloroethane	1.247	1.296	0.1	3.93	50
Cyclohexane	1.082	1.095		1.2	50
2-Butanone	0.555	0.601		8.29	50
Carbon Tetrachloride	0.465	0.490		5.38	50
cis-1,2-Dichloroethene	0.749	0.770		2.8	50
Bromochloromethane	0.594	0.594		0	50
Chloroform	1.239	1.288		3.95	50
1,1,1-Trichloroethane	1.000	1.053		5.3	50
Methylcyclohexane	0.549	0.605		10.2	50
Benzene	1.448	1.521		5.04	50
1,2-Dichloroethane	0.521	0.576		10.56	50
Trichloroethene	0.340	0.352		3.53	50
1,2-Dichloropropane	0.372	0.384		3.23	50
Bromodichloromethane	0.516	0.572		10.85	50
4-Methyl-2-Pentanone	0.587	0.664		13.12	50
Toluene	0.849	0.928		9.31	50
t-1,3-Dichloropropene	0.431	0.499		15.78	50
cis-1,3-Dichloropropene	0.503	0.580		15.31	50
1,1,2-Trichloroethane	0.350	0.380		8.57	50
2-Hexanone	0.425	0.480		12.94	50
Dibromochloromethane	0.366	0.410		12.02	50
1,2-Dibromoethane	0.349	0.379		8.6	50
Tetrachloroethene	0.320	0.332		3.75	50
Chlorobenzene	1.058	1.108	0.3	4.73	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: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: MSVOA_X Calibration Date/Time: 03/12/2025 17:41

Lab File ID: VX045255.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.008		8.95	50
m/p-Xylenes	0.675	0.740		9.63	50
o-Xylene	0.681	0.741		8.81	50
Styrene	1.101	1.227		11.44	50
Bromoform	0.266	0.284	0.1	6.77	50
Isopropylbenzene	3.903	4.390		12.48	50
1,1,2,2-Tetrachloroethane	1.432	1.462	0.3	2.1	50
1,3-Dichlorobenzene	1.643	1.759		7.06	50
1,4-Dichlorobenzene	1.662	1.748		5.17	50
1,2-Dichlorobenzene	1.648	1.740		5.58	50
1,2-Dibromo-3-Chloropropane	0.279	0.301		7.89	50
1,2,4-Trichlorobenzene	0.938	1.020		8.74	50
1,2,3-Trichlorobenzene	0.990	1.039		4.95	50
1,2-Dichloroethane-d4	0.795	0.851		7.04	50
Dibromofluoromethane	0.334	0.366		9.58	50
Toluene-d8	1.212	1.297		7.01	50
4-Bromofluorobenzene	0.402	0.461		14.68	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	93396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79500	53.514	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.020%			
35) Dibromofluoromethane	5.379	113	60174	54.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.500%			
50) Toluene-d8	8.647	98	213132	53.489	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	11.079	95	75812	57.417	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	57591	48.987	ug/l	93
3) Chloromethane	1.307	50	66918	46.512	ug/l	96
4) Vinyl Chloride	1.374	62	64013	44.851	ug/l	98
5) Bromomethane	1.593	94	28286	50.415	ug/l	100
6) Chloroethane	1.666	64	35330	53.667	ug/l	97
7) Trichlorofluoromethane	1.874	101	95550	50.572	ug/l	98
8) Diethyl Ether	2.130	74	34106	46.150	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59218	54.554	ug/l	99
10) Methyl Iodide	2.447	142	74674	55.048	ug/l	97
11) Tert butyl alcohol	2.977	59	58436	207.664	ug/l	99
12) 1,1-Dichloroethene	2.313	96	57422	50.035	ug/l	99
13) Acrolein	2.233	56	80984	248.962	ug/l	98
14) Allyl chloride	2.654	41	110910	54.292	ug/l	97
15) Acrylonitrile	3.062	53	201614	267.331	ug/l	100
16) Acetone	2.380	43	178671	259.217	ug/l	98
17) Carbon Disulfide	2.502	76	133037	43.523	ug/l	97
18) Methyl Acetate	2.703	43	98551	59.434	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	198728	51.613	ug/l	99
20) Methylene Chloride	2.782	84	68354	50.063	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	57514	50.727	ug/l	99
22) Diisopropyl ether	3.757	45	219898	52.928	ug/l	90
23) Vinyl Acetate	3.721	43	917878	264.740	ug/l	99
24) 1,1-Dichloroethane	3.605	63	121070	51.997	ug/l	98
25) 2-Butanone	4.556	43	280679	270.527	ug/l	100
26) 2,2-Dichloropropane	4.465	77	78898	72.241	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	71890	51.364	ug/l	93
28) Bromochloromethane	4.891	49	55439	49.953	ug/l	99
29) Tetrahydrofuran	5.001	42	177084	254.157	ug/l	100
30) Chloroform	5.086	83	120307	52.001	ug/l	100
31) Cyclohexane	5.458	56	102229	50.579	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	98373	52.647	ug/l	98
36) 1,1-Dichloropropene	5.690	75	78386	52.005	ug/l	99
37) Ethyl Acetate	4.708	43	102503	52.776	ug/l	99
38) Carbon Tetrachloride	5.672	117	80618	52.683	ug/l	99
39) Methylcyclohexane	7.373	83	99499	55.091	ug/l	99
40) Benzene	6.031	78	250003	52.525	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	59513	56.668	ug/l		99
42) 1,2-Dichloroethane	6.080	62	94681	55.241	ug/l		99
43) Isopropyl Acetate	6.336	43	159069	55.386	ug/l		100
44) Trichloroethene	7.123	130	57915	51.820	ug/l		100
45) 1,2-Dichloropropane	7.428	63	63147	51.601	ug/l		99
46) Dibromomethane	7.574	93	47112	54.467	ug/l		97
47) Bromodichloromethane	7.818	83	94011	55.411	ug/l		100
48) Methyl methacrylate	7.690	41	80635	55.963	ug/l		97
49) 1,4-Dioxane	7.659	88	26677	877.723	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	545448	282.851	ug/l		100
52) Toluene	8.714	92	152454	54.592	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	81984	57.801	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	95282	57.608	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	62455	54.326	ug/l		99
56) Ethyl methacrylate	9.116	69	99307	56.827	ug/l		96
57) 1,3-Dichloropropane	9.305	76	108760	54.666	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257633	302.223	ug/l		99
59) 2-Hexanone	9.427	43	394107	282.068	ug/l		100
60) Dibromochloromethane	9.519	129	67396	56.067	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62339	54.317	ug/l		98
64) Tetrachloroethene	9.269	164	48618	51.818	ug/l		98
65) Chlorobenzene	10.079	112	162262	52.346	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54040	52.349	ug/l		97
67) Ethyl Benzene	10.189	91	294120	54.454	ug/l		99
68) m/p-Xylenes	10.299	106	216917	109.706	ug/l		99
69) o-Xylene	10.640	106	108543	54.430	ug/l		99
70) Styrene	10.653	104	179718	55.697	ug/l		99
71) Bromoform	10.799	173	41558	53.386	ug/l	#	99
73) Isopropylbenzene	10.957	105	281848	56.246	ug/l		99
74) N-amyl acetate	10.842	43	131774	56.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93844	51.034	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79124m	52.952	ug/l		
77) Bromobenzene	11.195	156	63287	53.528	ug/l		98
78) n-propylbenzene	11.299	91	327763	57.903	ug/l		98
79) 2-Chlorotoluene	11.360	91	193334	53.629	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	226942	56.011	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	24319	55.696	ug/l		93
82) 4-Chlorotoluene	11.451	91	219795	55.942	ug/l		99
83) tert-Butylbenzene	11.713	119	229318	55.084	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	227959	55.915	ug/l		99
85) sec-Butylbenzene	11.890	105	289541	58.061	ug/l		98
86) p-Isopropyltoluene	12.006	119	230863	57.285	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	112951	53.552	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112234	52.597	ug/l		99
89) n-Butylbenzene	12.329	91	208311	60.015	ug/l		100
90) Hexachloroethane	12.536	117	39749	54.530	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111724	52.805	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19355	54.028	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	65467	54.341	ug/l		99
94) Hexachlorobutadiene	13.725	225	26325	53.298	ug/l		98
95) Naphthalene	13.774	128	248016	53.582	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66692	52.474	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

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

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

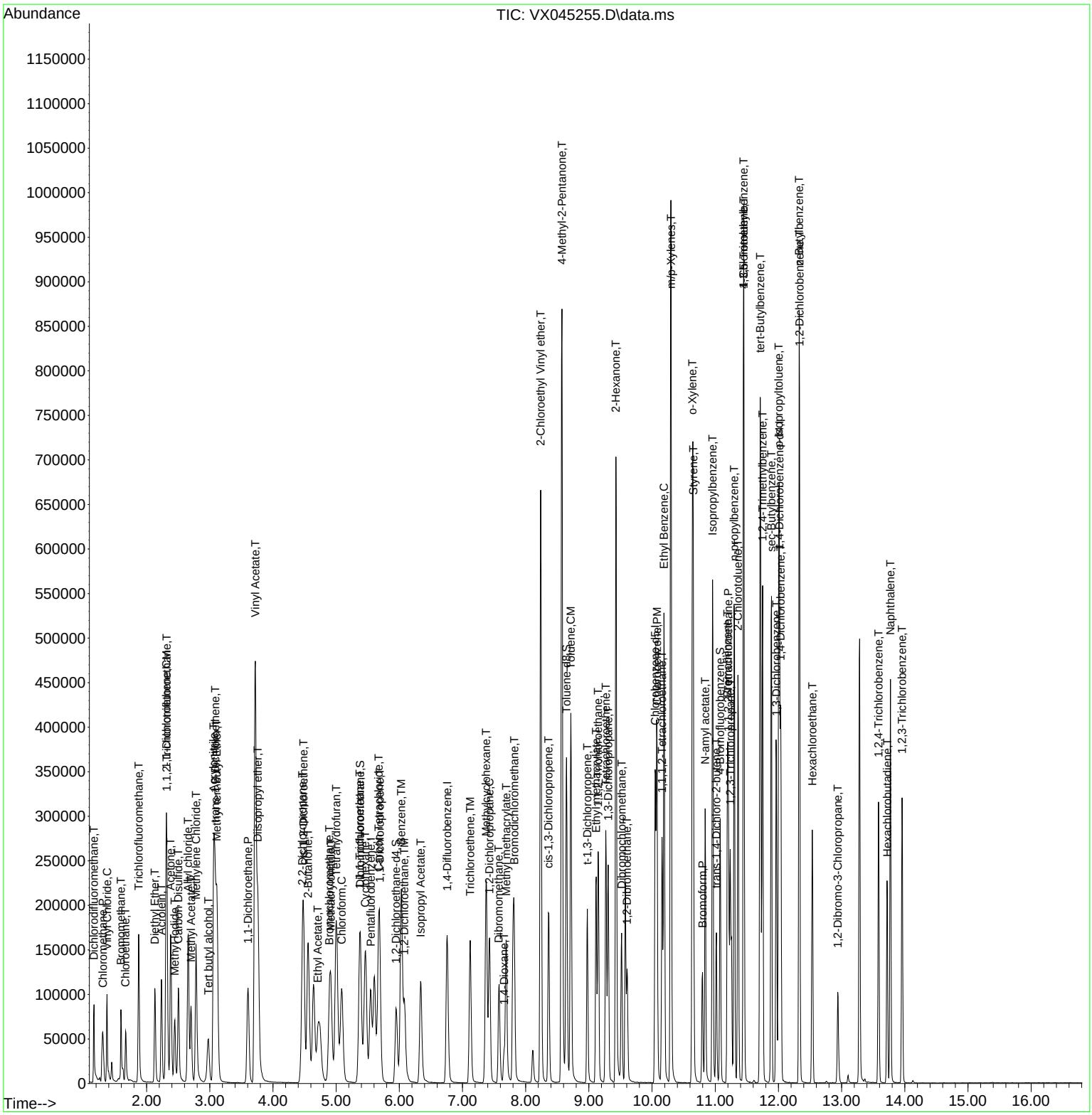
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

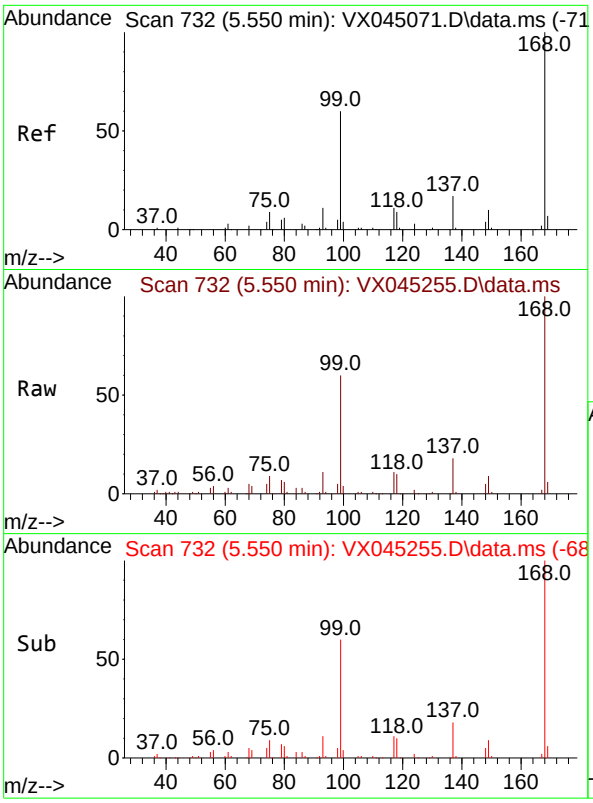
Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

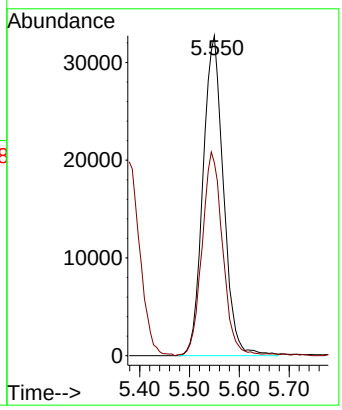




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:168 Resp: 9339

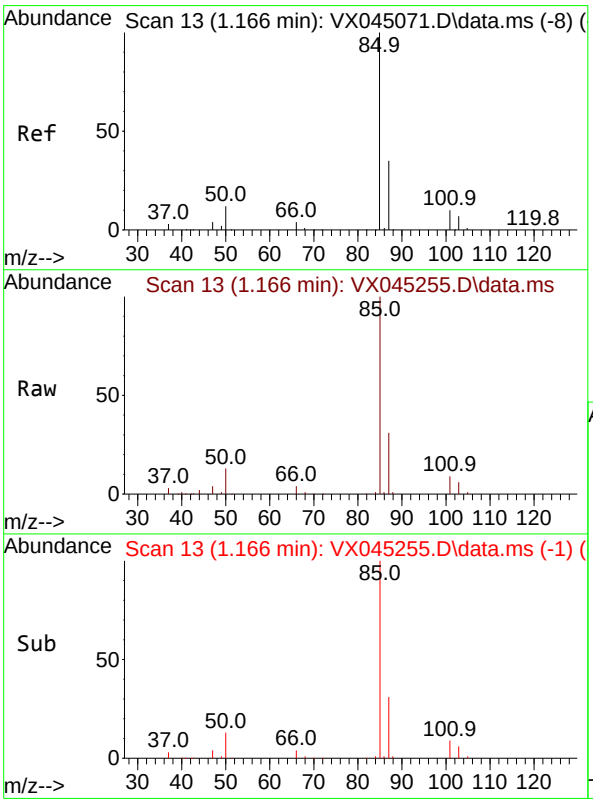
Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

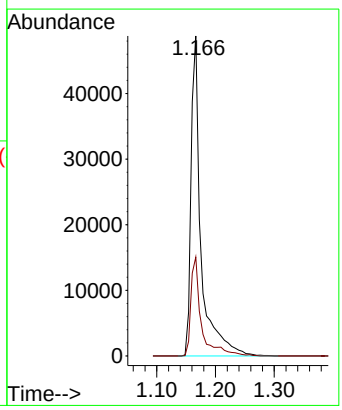
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

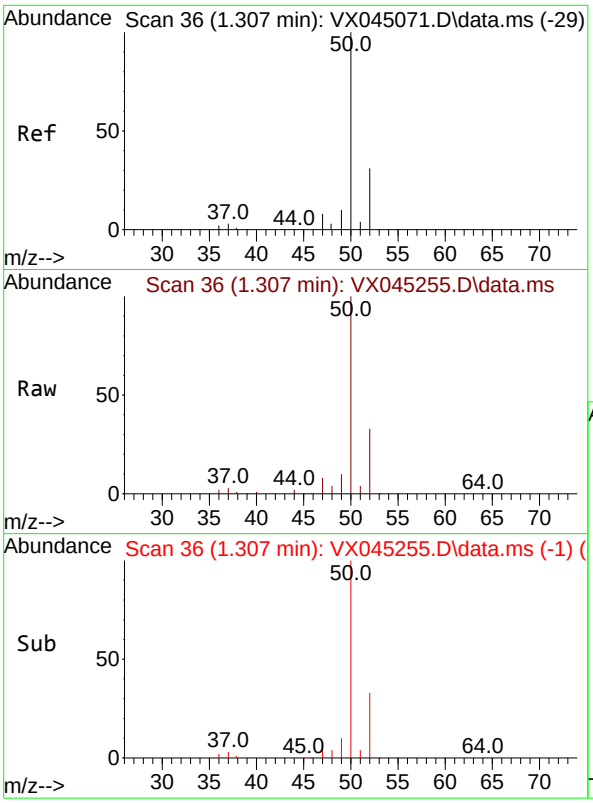


#2
Dichlorodifluoromethane
Concen: 48.987 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 85 Resp: 57591

Ion	Ratio	Lower	Upper
85	100		
87	30.9	17.4	52.3

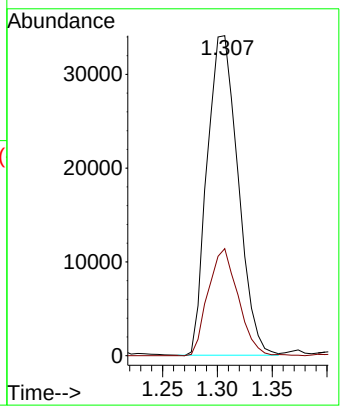




#3
Chloromethane
Concen: 46.512 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 50 Resp: 6691

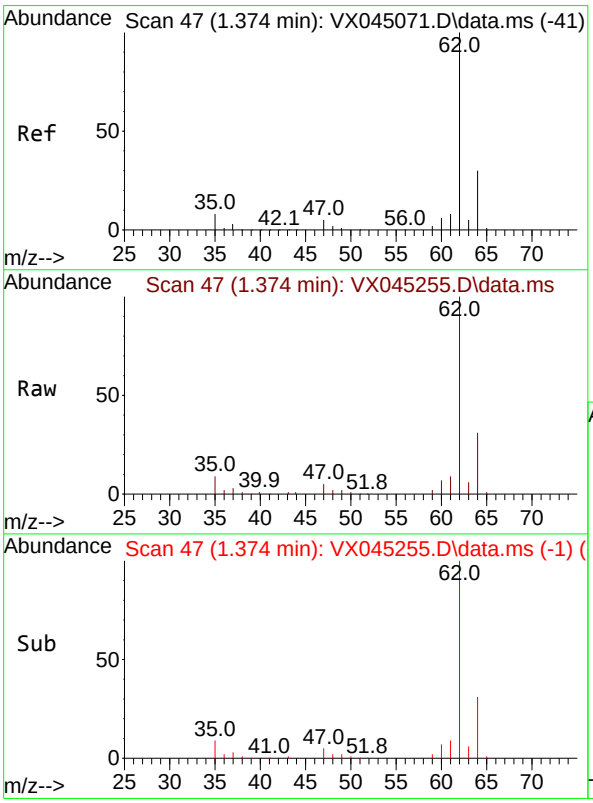
Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

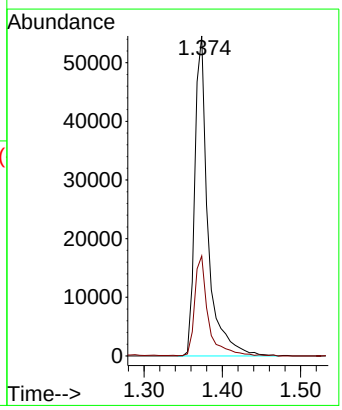
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

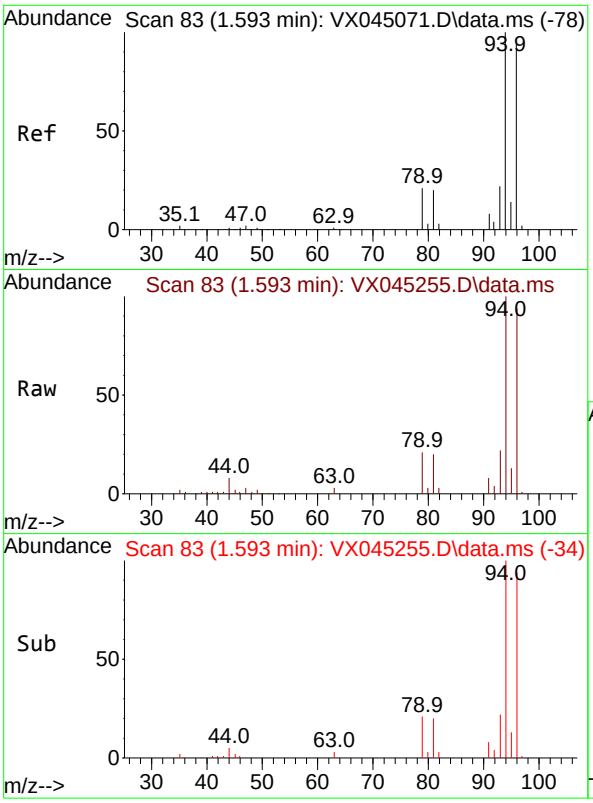


#4
Vinyl Chloride
Concen: 44.851 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 62 Resp: 64013

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.3	36.5

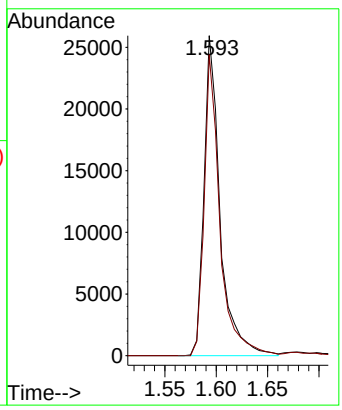




#5
Bromomethane
Concen: 50.415 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 94 Resp: 2828

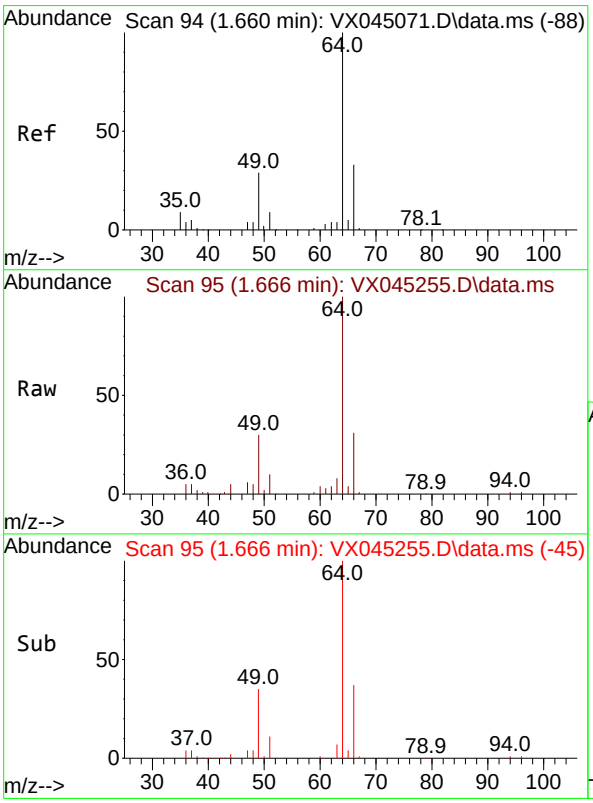
Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

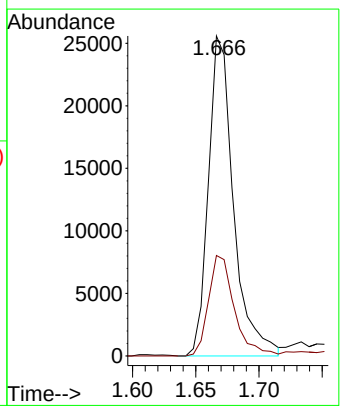
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

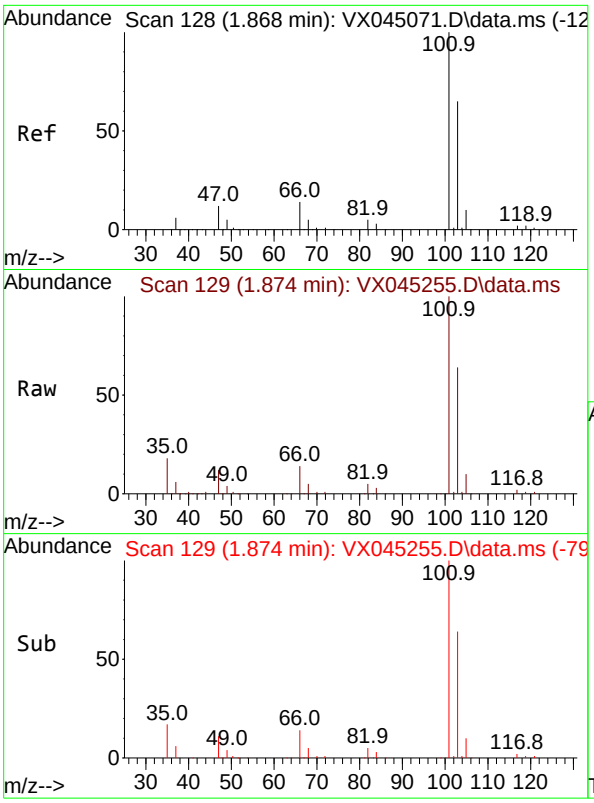


#6
Chloroethane
Concen: 53.667 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 64 Resp: 35330

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1

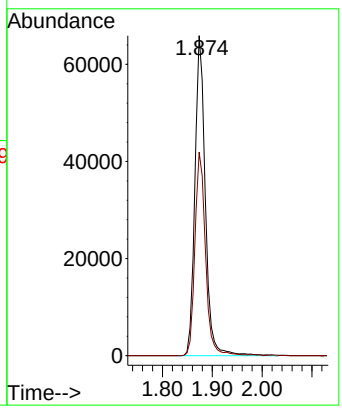




#7
Trichlorofluoromethane
Concen: 50.572 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:101 Resp: 9555

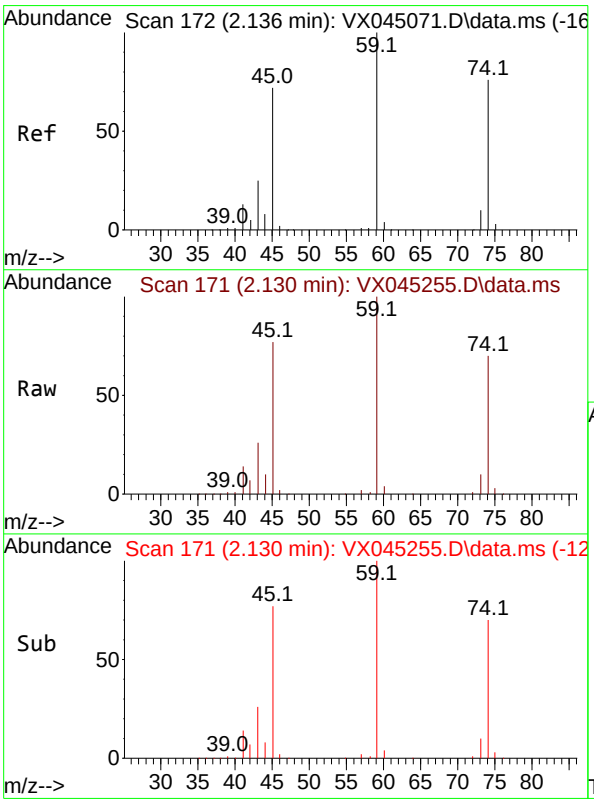
Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

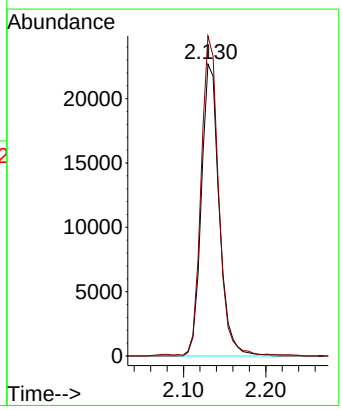
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

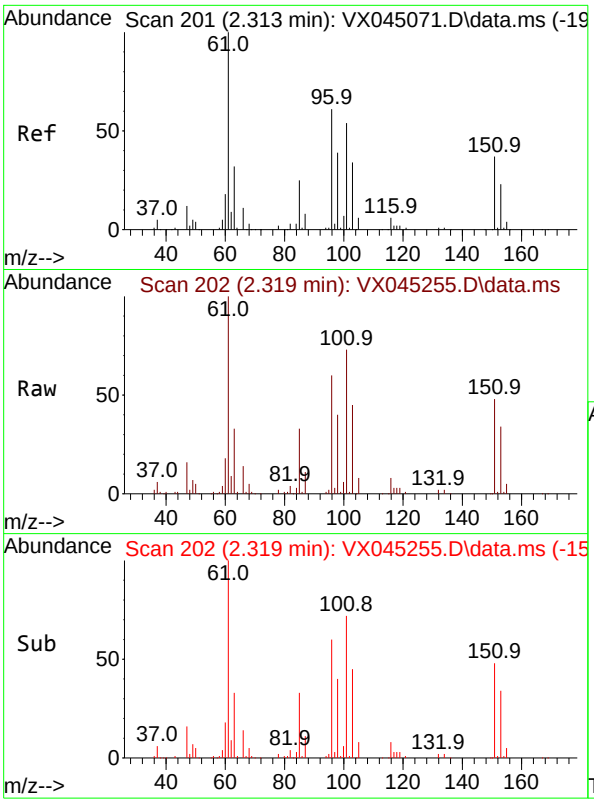


#8
Diethyl Ether
Concen: 46.150 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 74 Resp: 34106

Ion	Ratio	Lower	Upper
74	100		
45	106.4	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.554 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

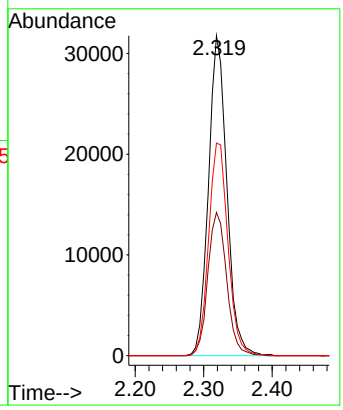
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

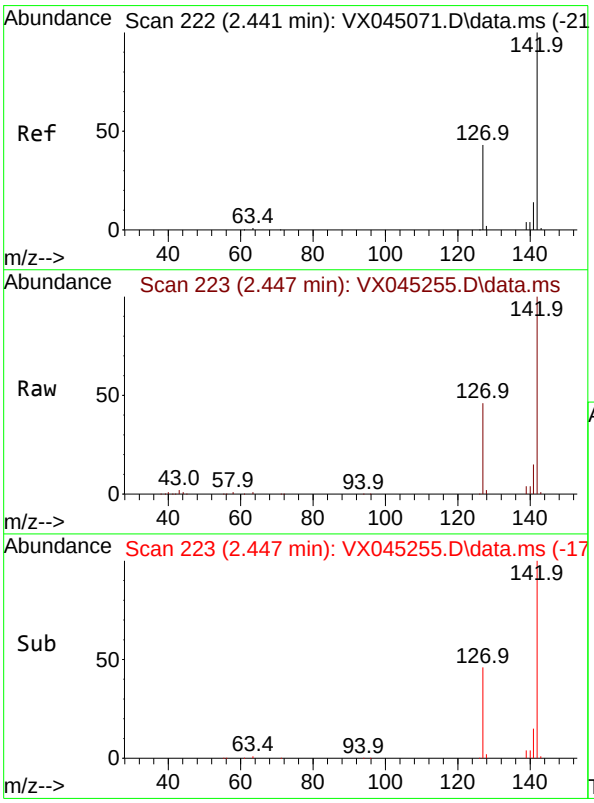
Tgt Ion:101 Resp: 5921

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	69.8	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

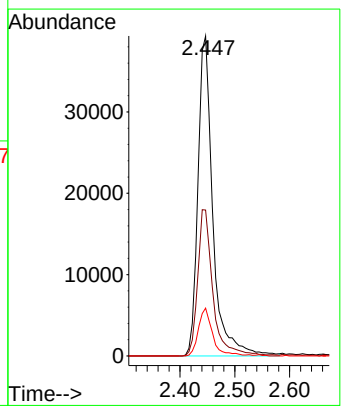


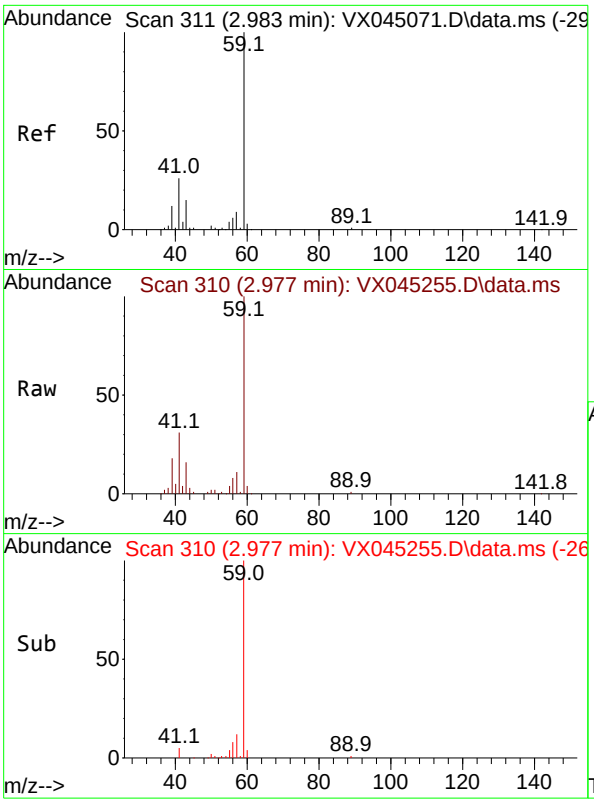


#10
Methyl Iodide
Concen: 55.048 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:142 Resp: 74674

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.4	53.2
141	14.4	11.6	17.4

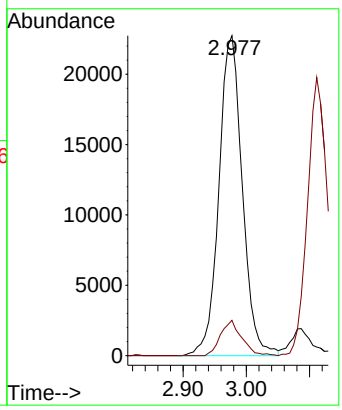




#11
Tert butyl alcohol
Concen: 207.664 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 59 Resp: 5843

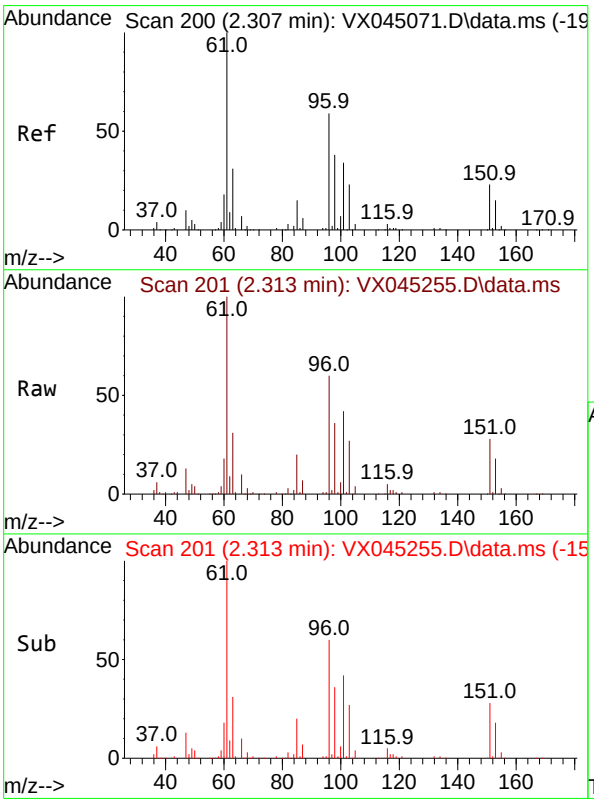
Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

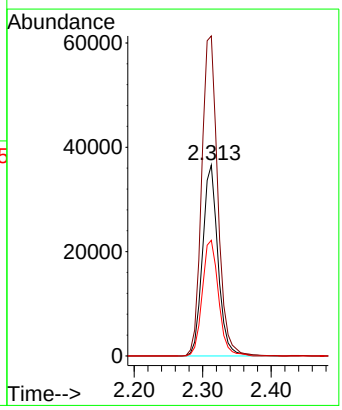
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

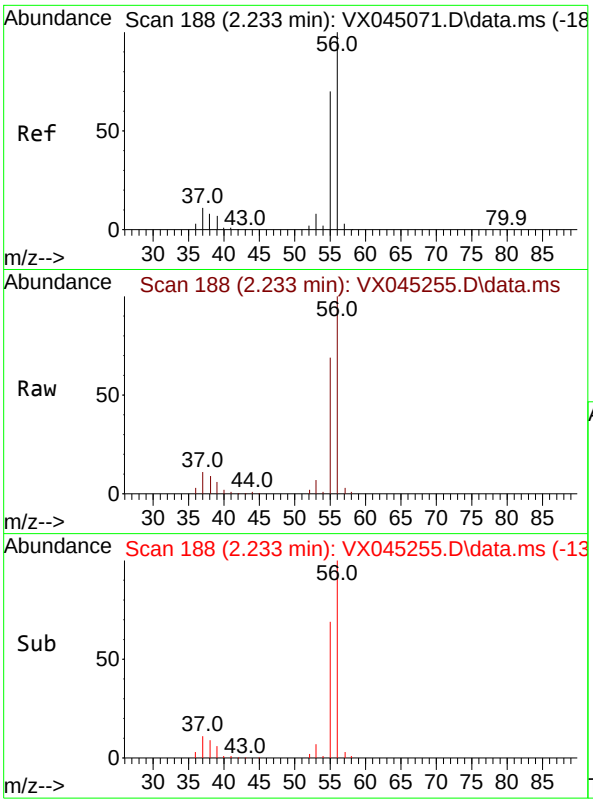


#12
1,1-Dichloroethene
Concen: 50.035 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 96 Resp: 57422

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.6	202.0
98	60.6	51.0	76.6

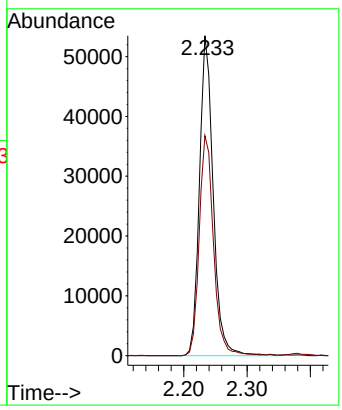




#13
Acrolein
Concen: 248.962 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 56 Resp: 8098

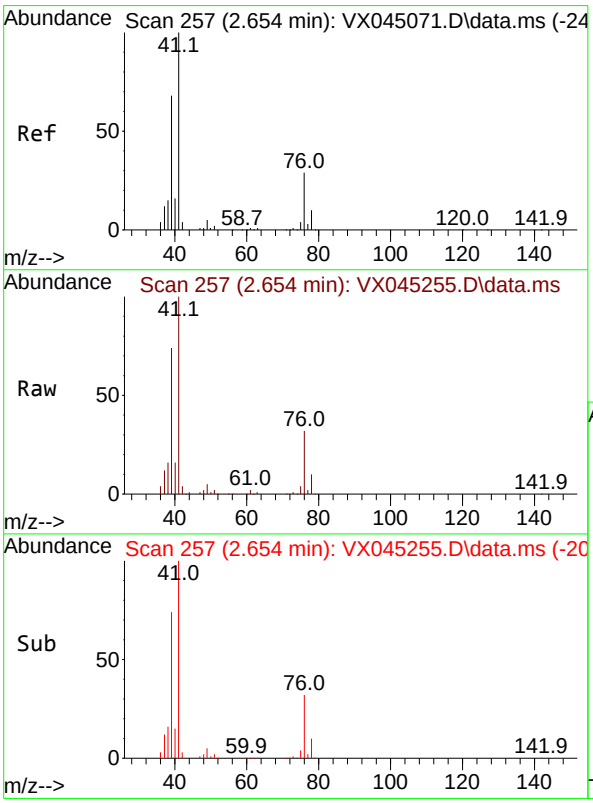
Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

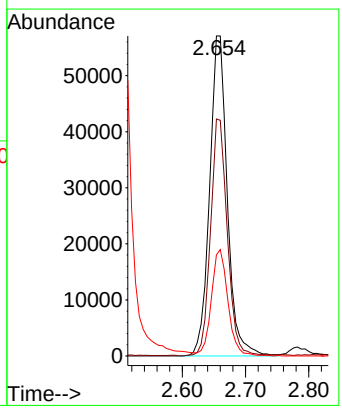
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

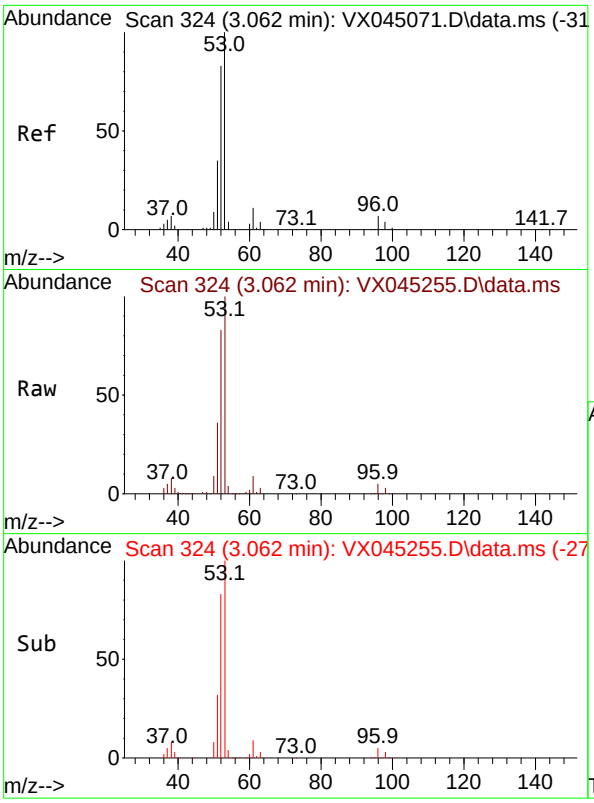


#14
Allyl chloride
Concen: 54.292 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 41 Resp: 110910

Ion	Ratio	Lower	Upper
41	100		
39	70.2	53.8	80.8
76	31.2	25.2	37.8





#15
Acrylonitrile
Concen: 267.331 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

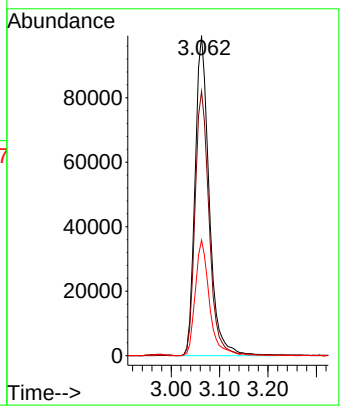
Tgt Ion: 53 Resp: 20161

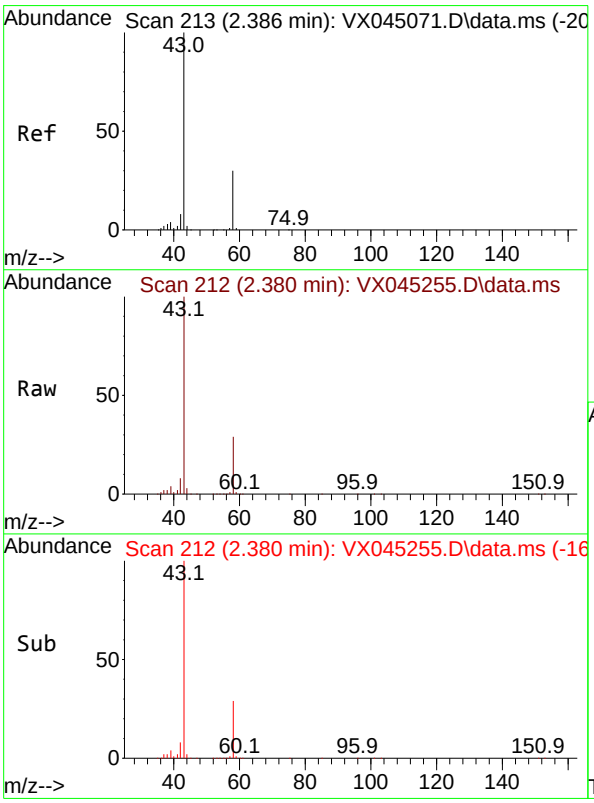
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.3	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

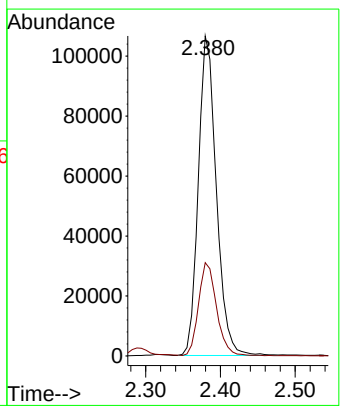


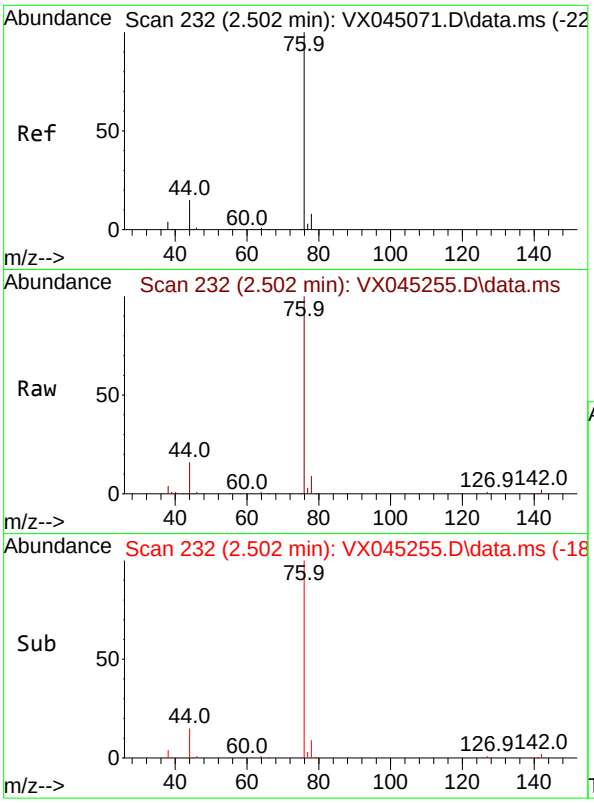


#16
Acetone
Concen: 259.217 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 178671

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.2	36.4





#17
Carbon Disulfide
Concen: 43.523 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

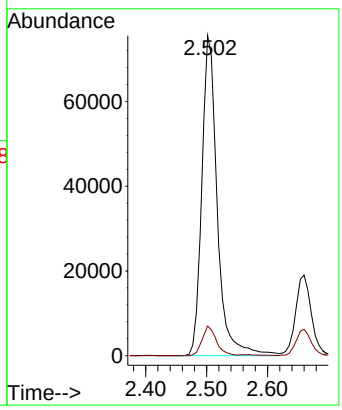
Tgt Ion: 76 Resp: 13303

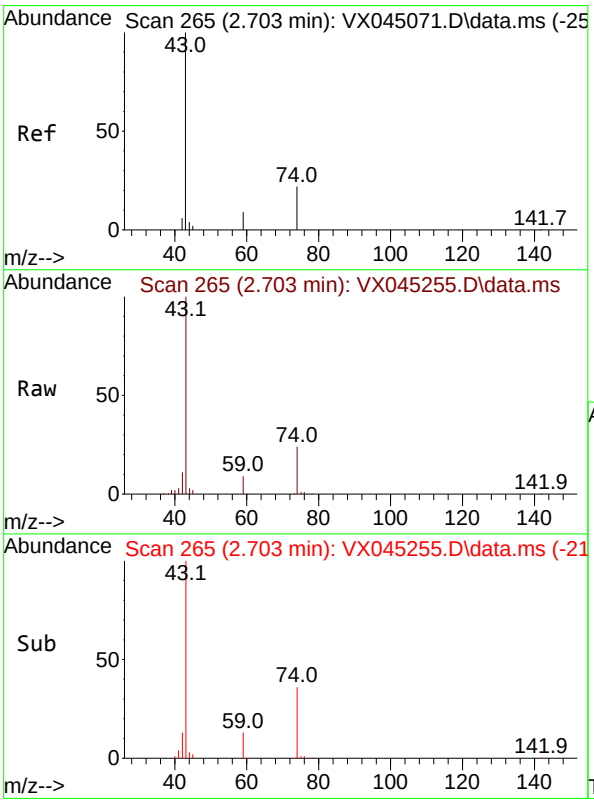
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

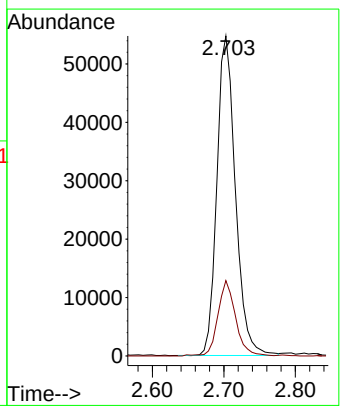


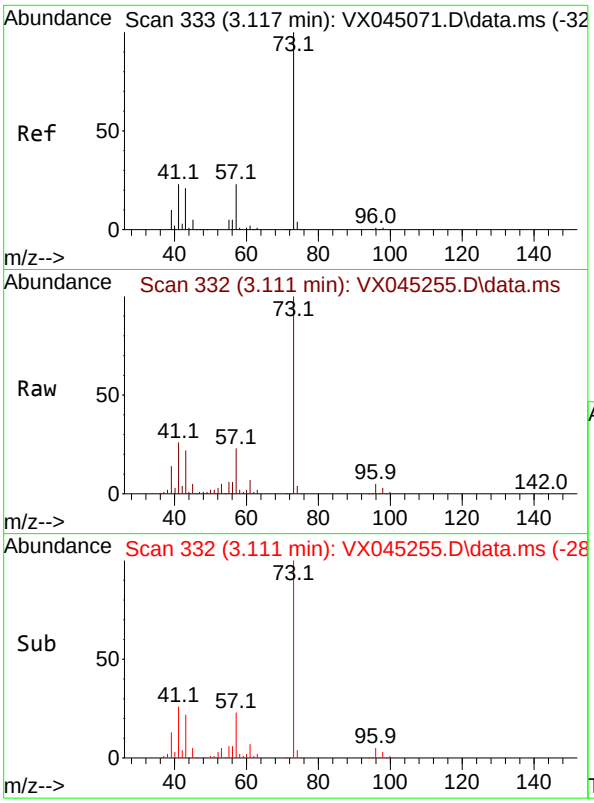


#18
Methyl Acetate
Concen: 59.434 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 98551

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

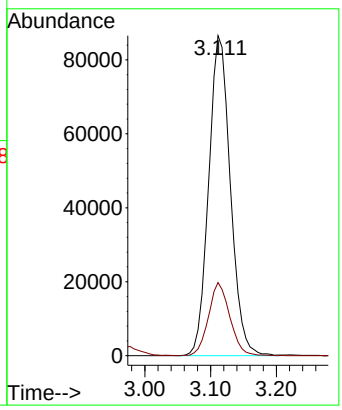




#19
Methyl tert-butyl Ether
Concen: 51.613 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 73 Resp: 19872

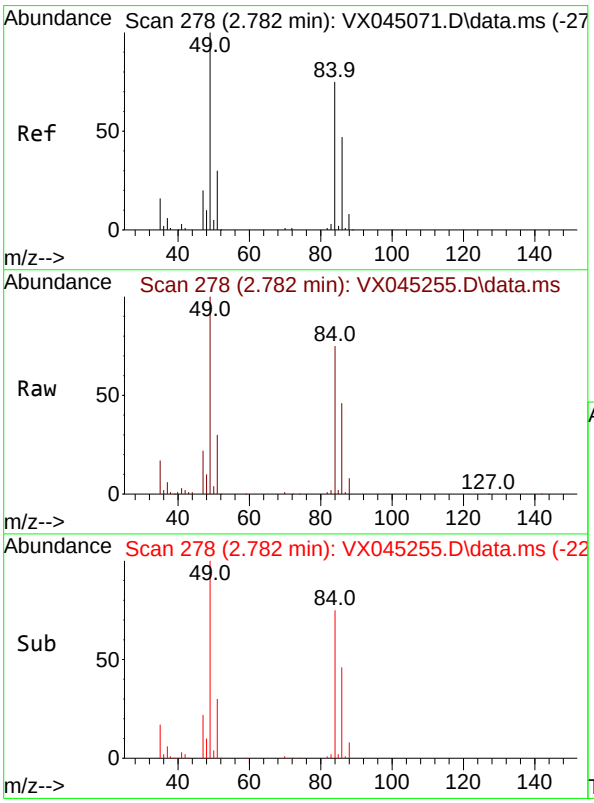
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

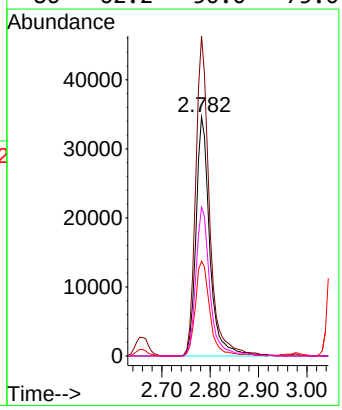
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

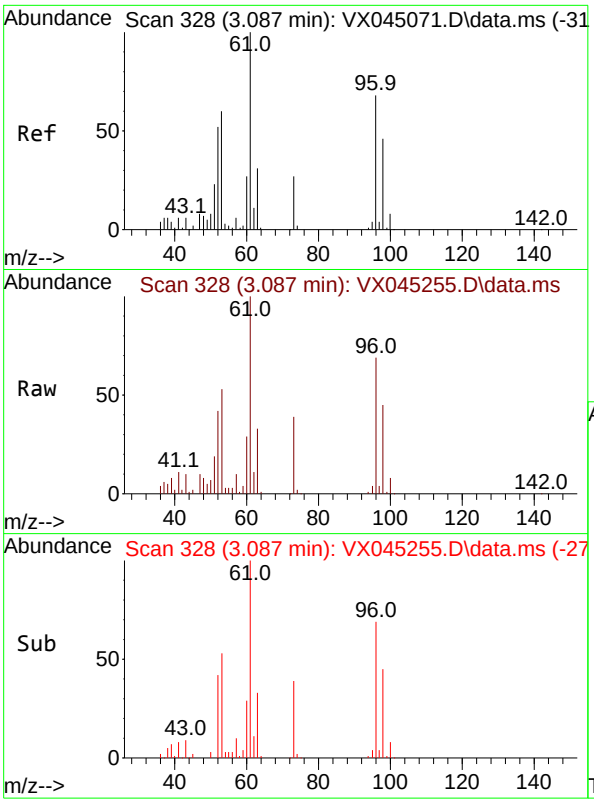


#20
Methylene Chloride
Concen: 50.063 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 84 Resp: 68354

Ion	Ratio	Lower	Upper
84	100		
49	133.9	106.5	159.7
51	39.7	32.1	48.1
86	62.2	50.0	75.0

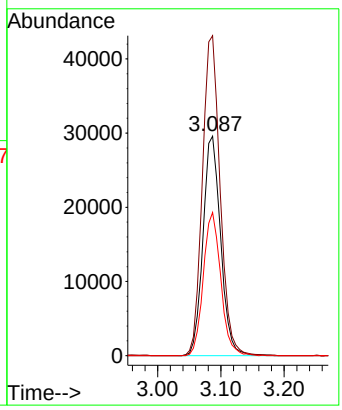




#21
trans-1,2-Dichloroethene
Concen: 50.727 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 96 Resp: 5751

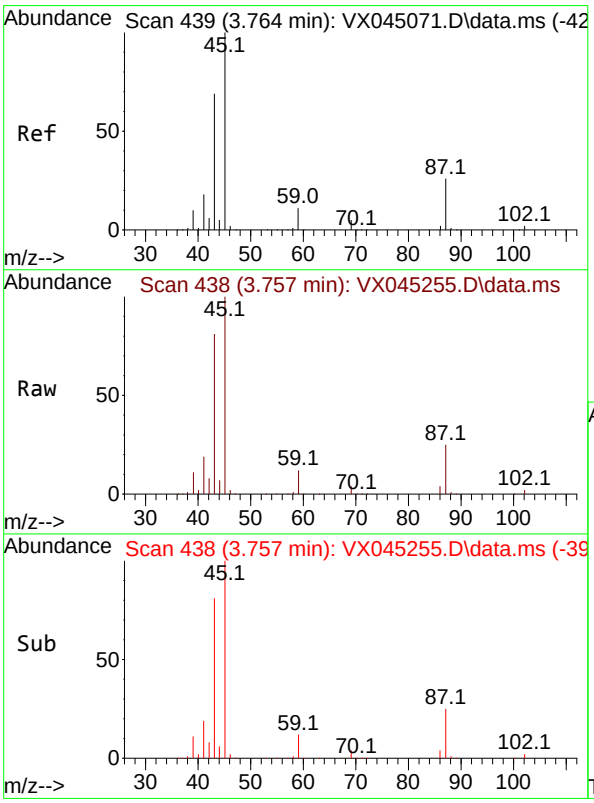
Ion	Ratio	Lower	Upper
96	100		
61	145.8	117.0	175.4
98	65.3	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

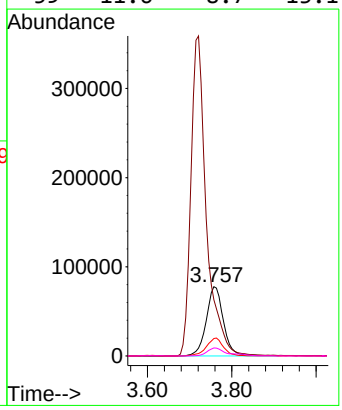
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

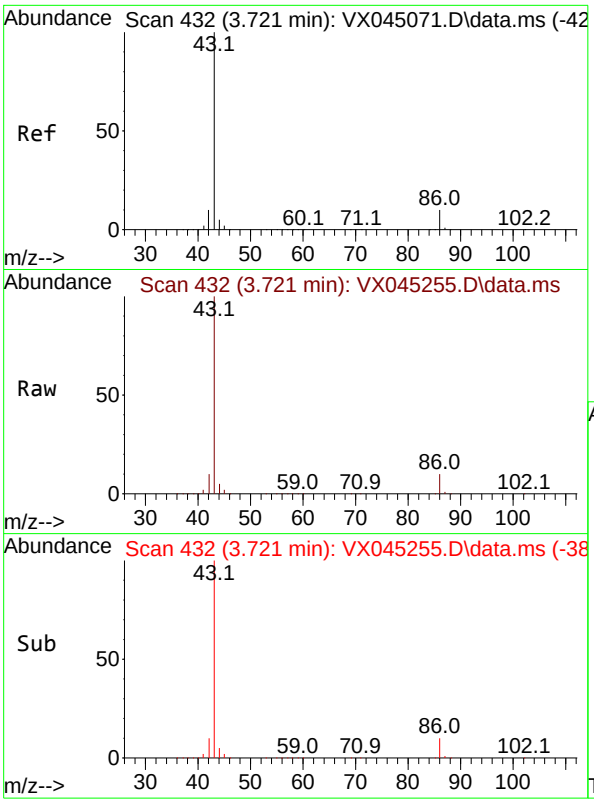


#22
Diisopropyl ether
Concen: 52.928 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 45 Resp: 219898

Ion	Ratio	Lower	Upper
45	100		
43	80.7	54.9	82.3
87	25.1	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 264.740 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

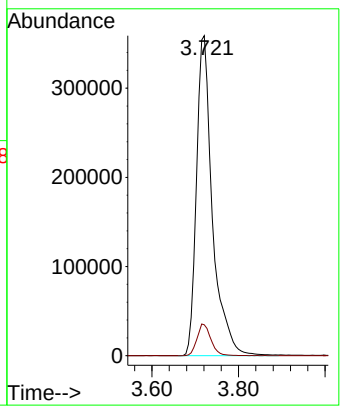
Tgt Ion: 43 Resp: 91787

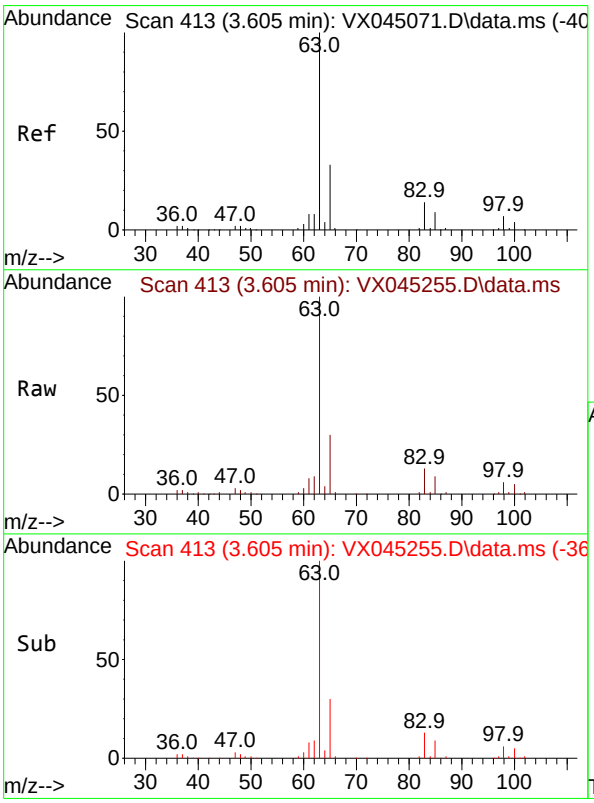
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

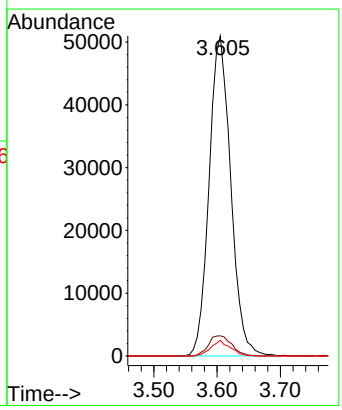


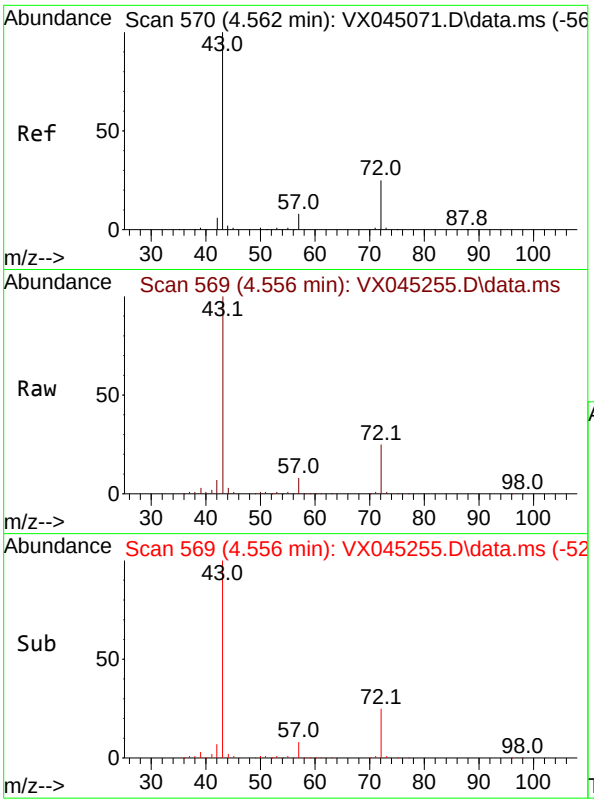


#24
1,1-Dichloroethane
Concen: 51.997 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 63 Resp: 121070

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 270.527 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

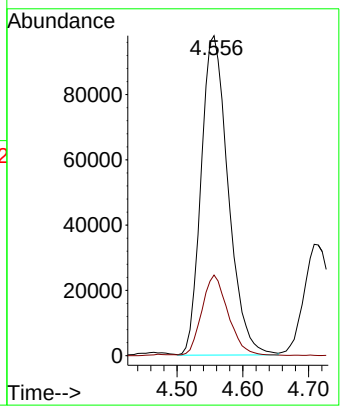
Tgt Ion: 43 Resp: 28067

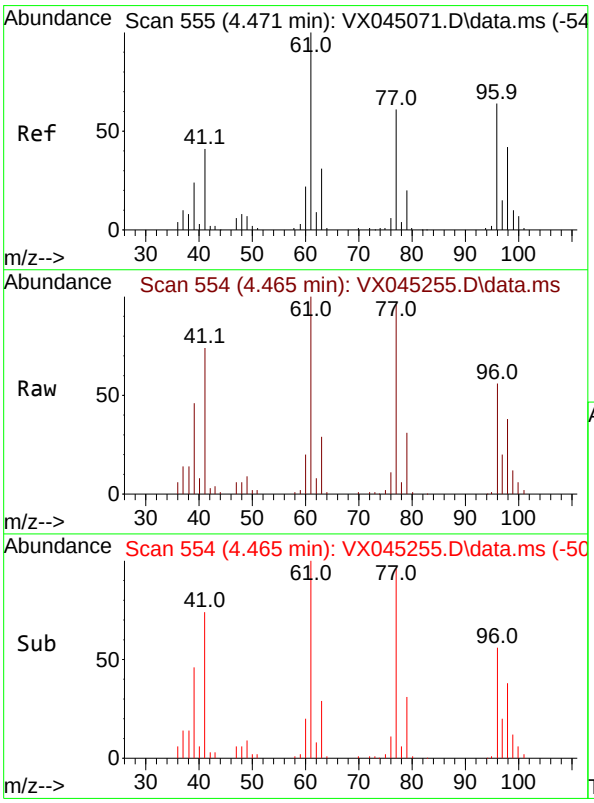
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

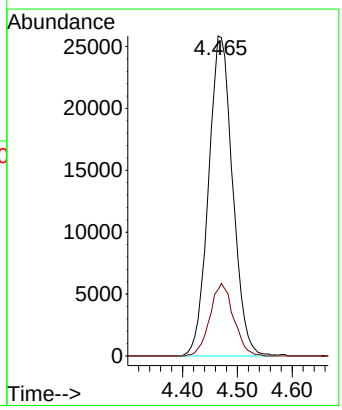


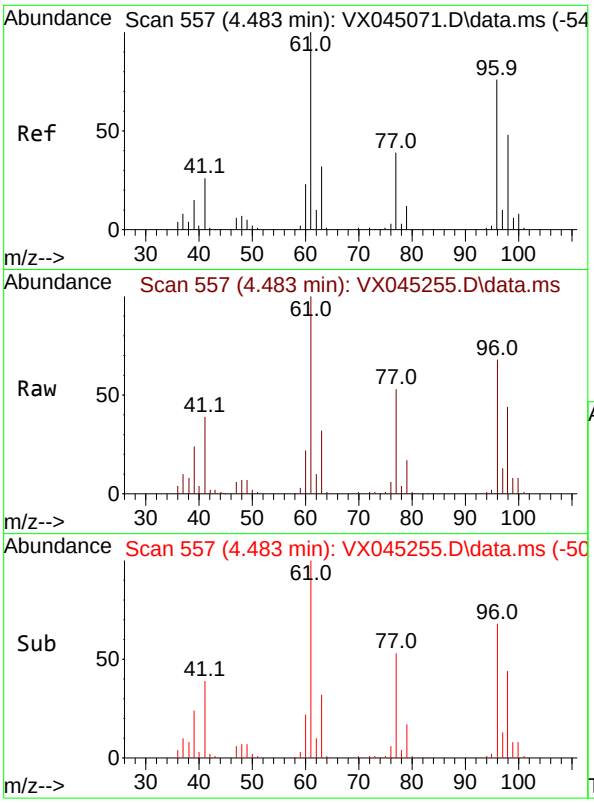


#26
2,2-Dichloropropane
Concen: 72.241 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 77 Resp: 78898

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 51.364 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

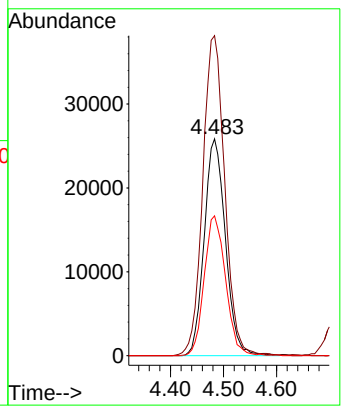
Tgt Ion: 96 Resp: 7189

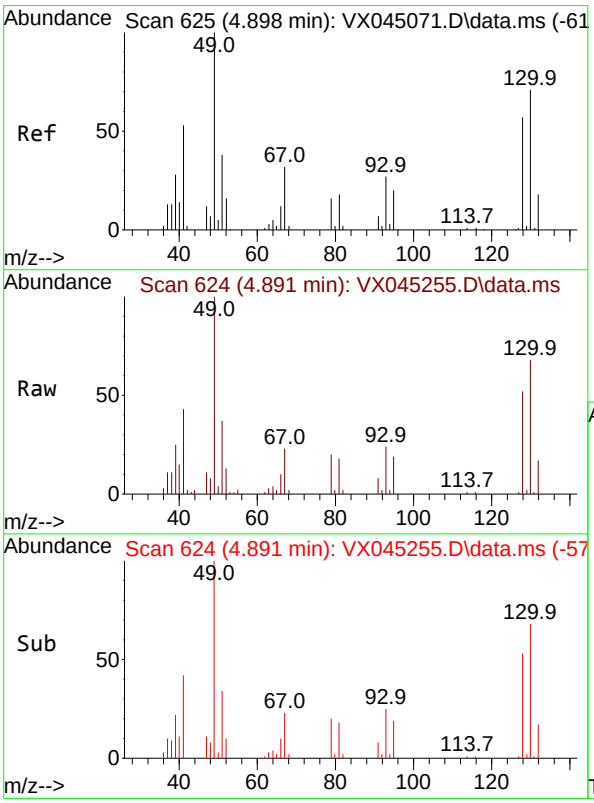
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	283.2
98	64.9	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

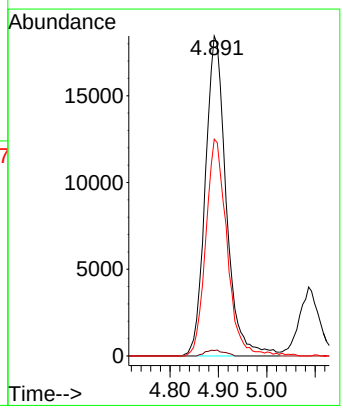


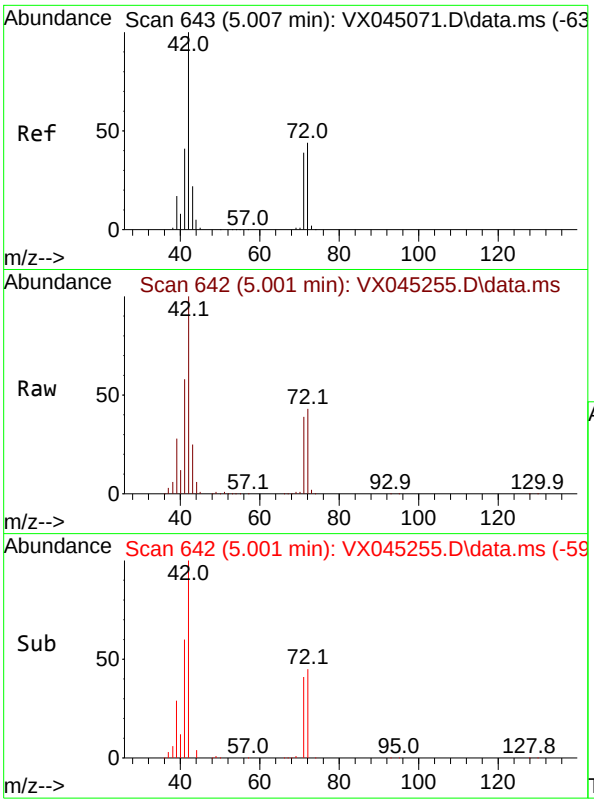


#28
Bromochloromethane
Concen: 49.953 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 49 Resp: 55439

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.9	56.1	84.1





#29
Tetrahydrofuran
Concen: 254.157 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

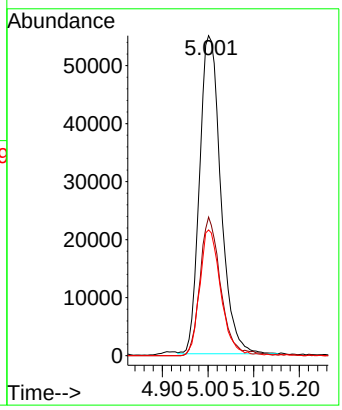
Tgt Ion: 42 Resp: 17708

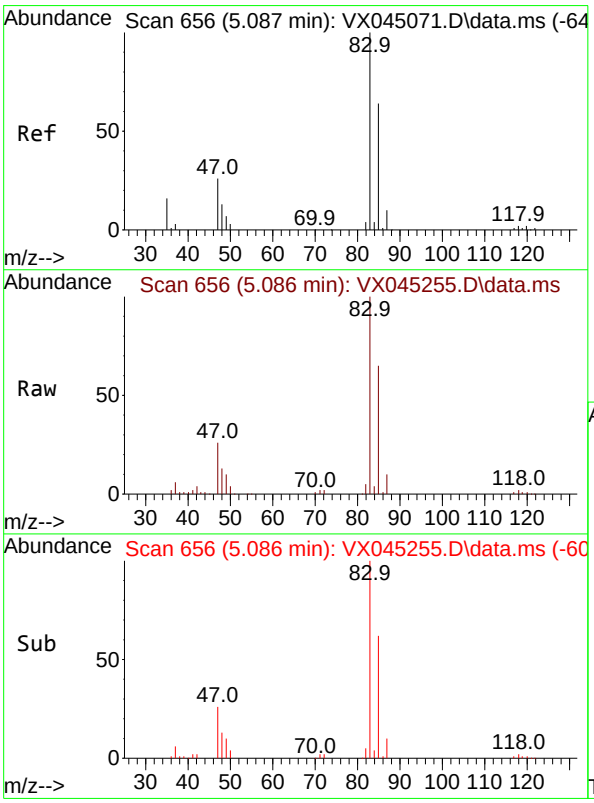
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

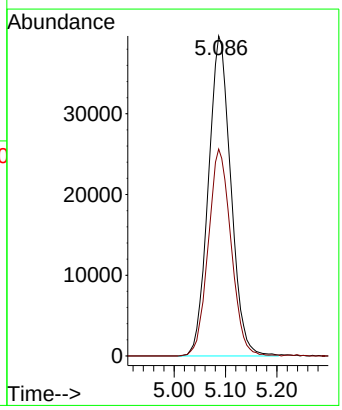


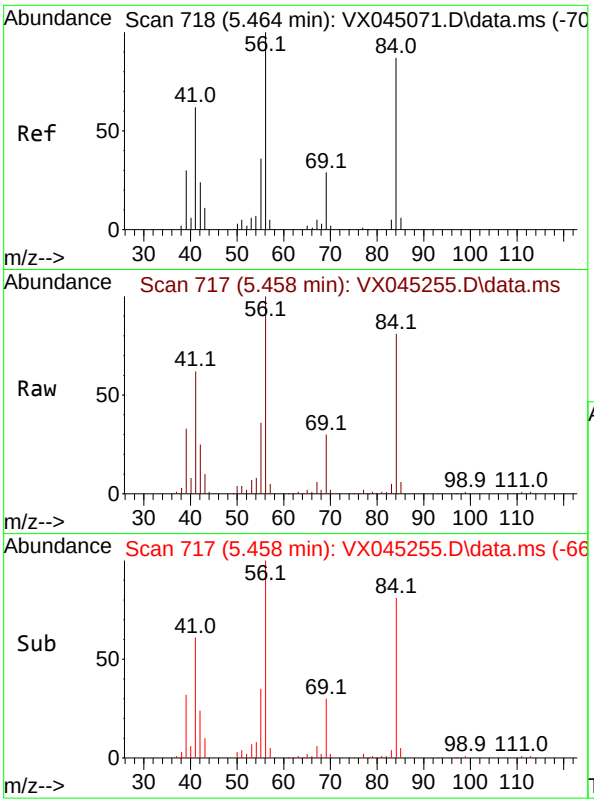


#30
Chloroform
Concen: 52.001 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 83 Resp: 120307

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2

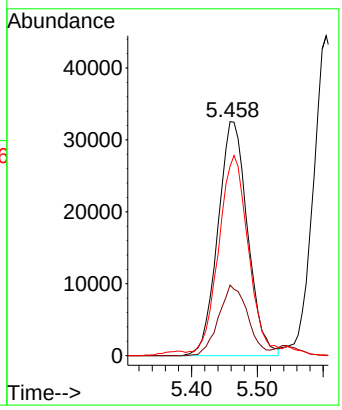




#31
Cyclohexane
Concen: 50.579 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 56 Resp: 10222

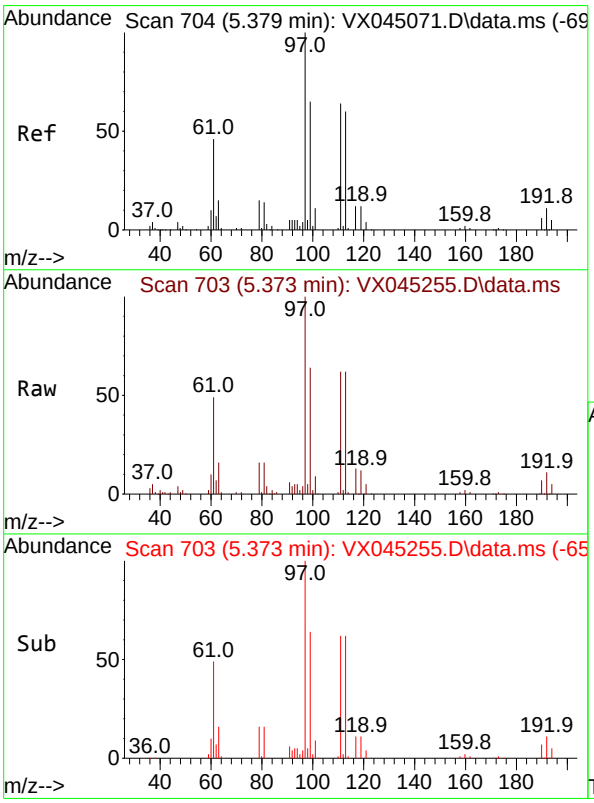
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.4	35.2
84	78.9	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

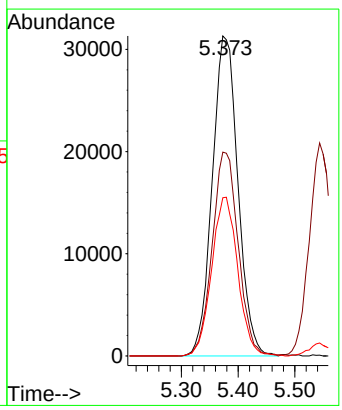
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

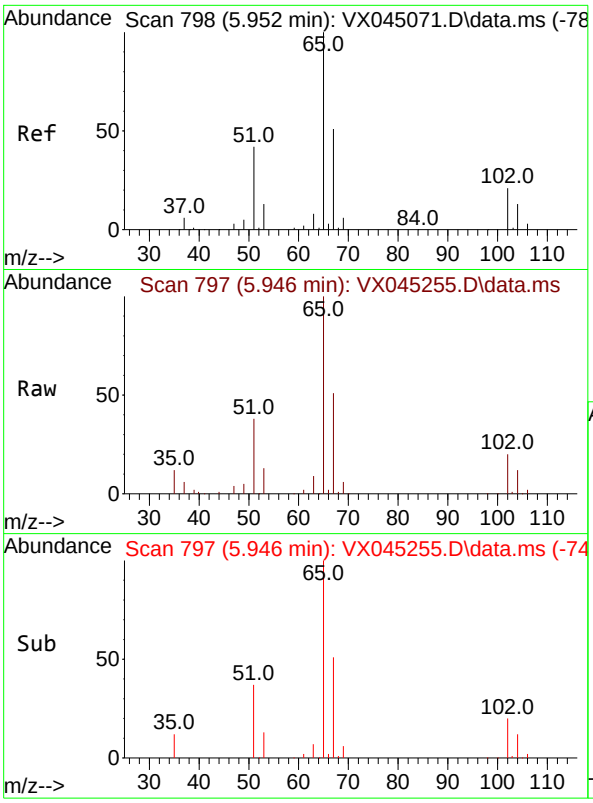


#32
1,1,1-Trichloroethane
Concen: 52.647 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 97 Resp: 98373

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	50.6	38.4	57.6

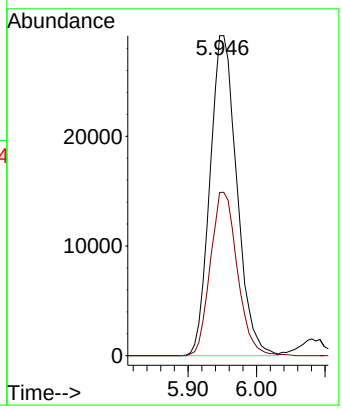




#33
1,2-Dichloroethane-d4
Concen: 53.514 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 65 Resp: 7950

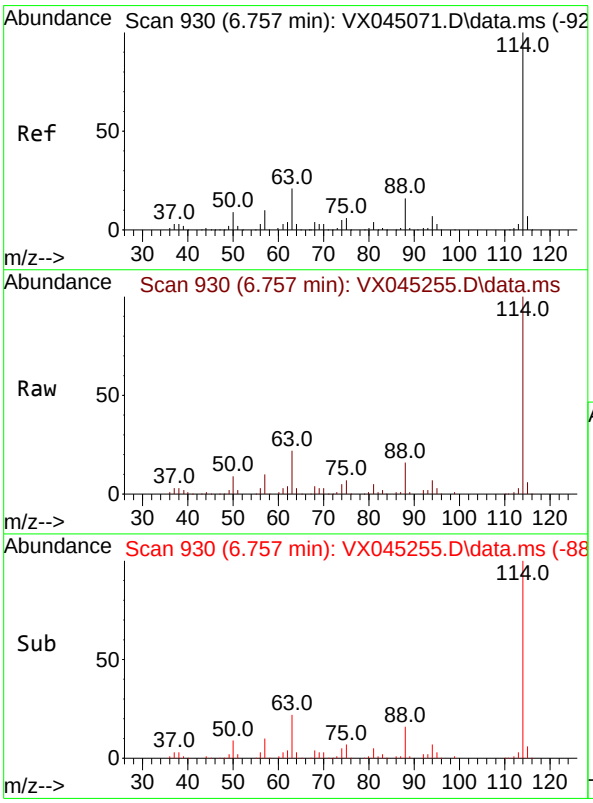
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

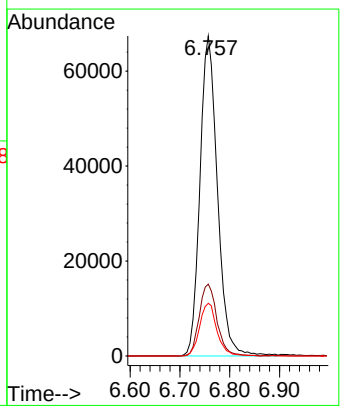
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

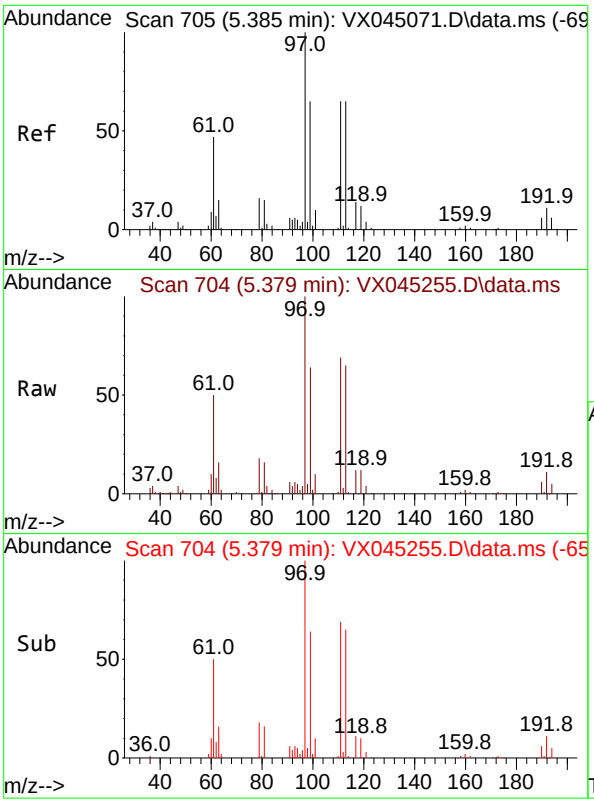


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:114 Resp: 164368

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.4	0.0	32.8

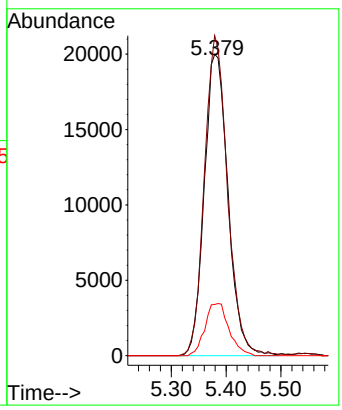




#35
Dibromofluoromethane
Concen: 54.749 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:113 Resp: 6017

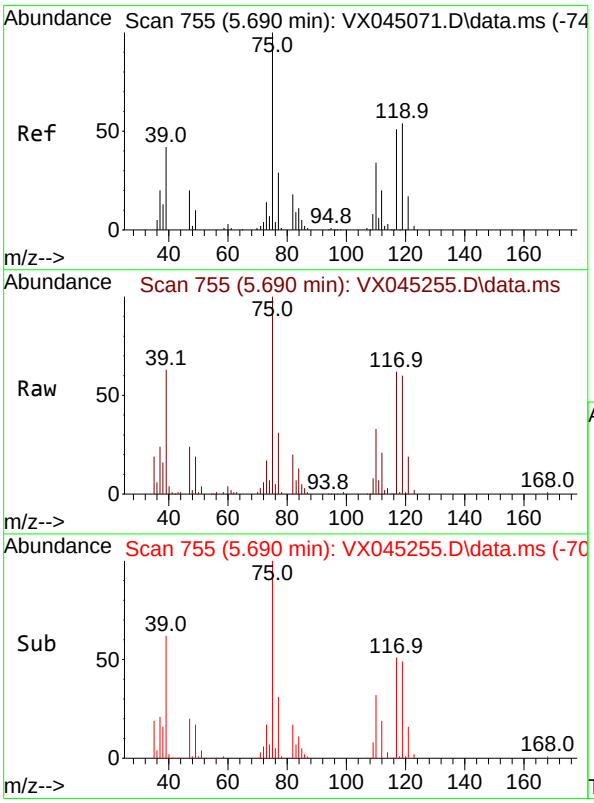
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

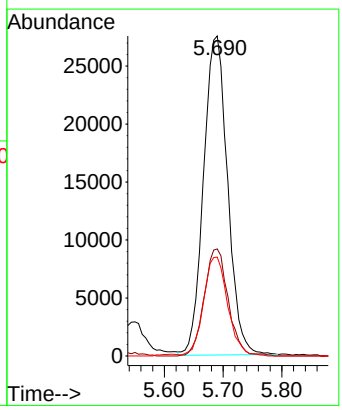
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

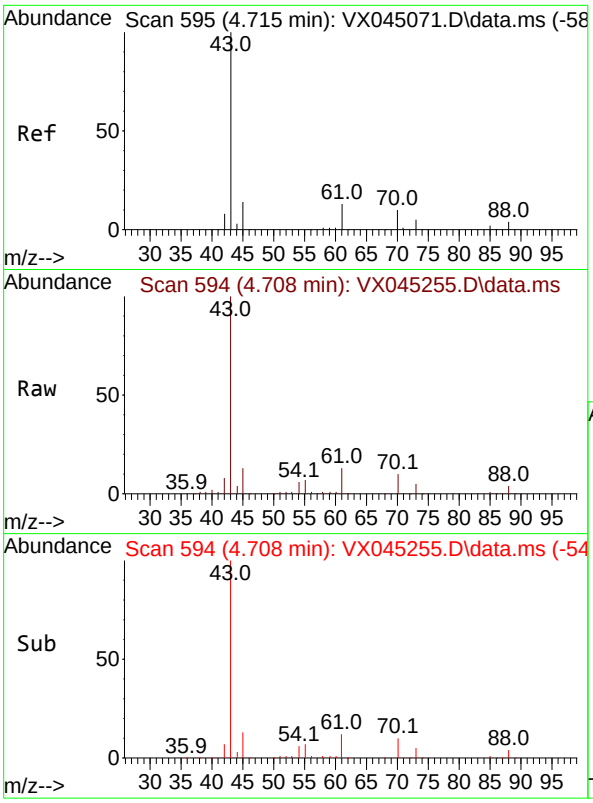


#36
1,1-Dichloropropene
Concen: 52.005 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 78386

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	31.1	24.5	36.7

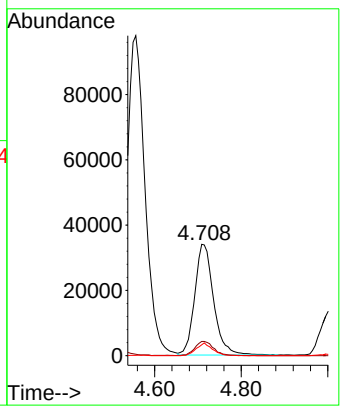




#37
Ethyl Acetate
Concen: 52.776 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 10250

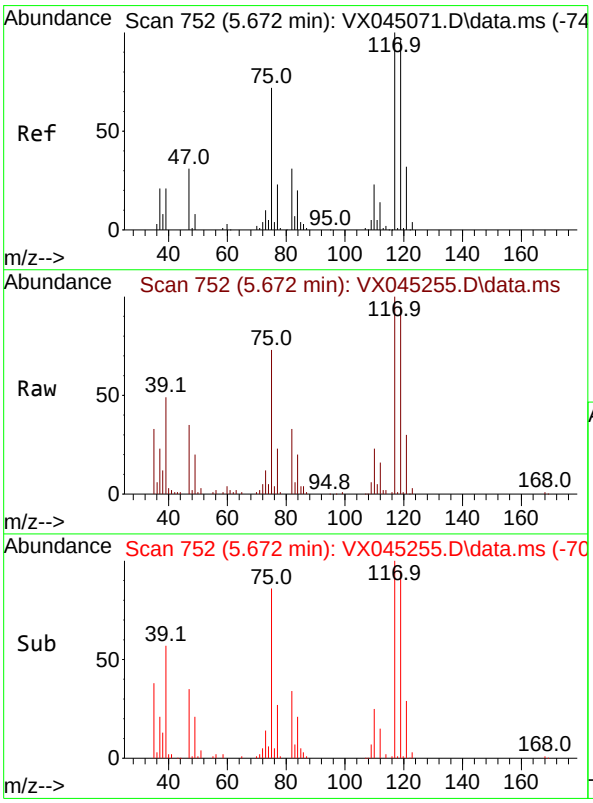
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.9	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

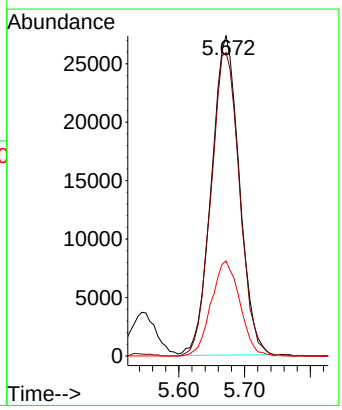
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

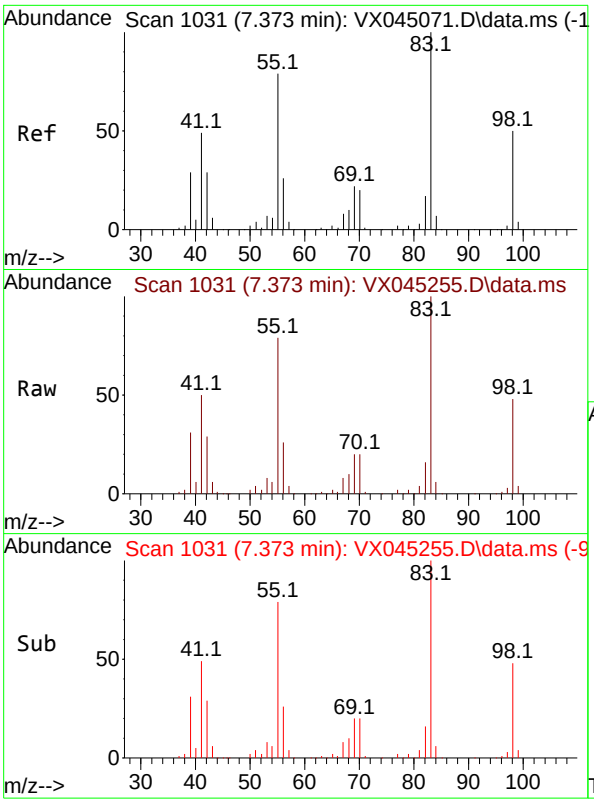


#38
Carbon Tetrachloride
Concen: 52.683 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:117 Resp: 80618

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	29.8	25.5	38.3

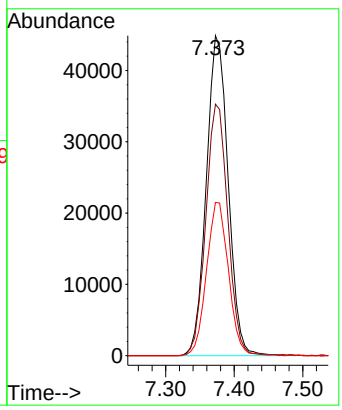




#39
Methylcyclohexane
Concen: 55.091 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 83 Resp: 9949

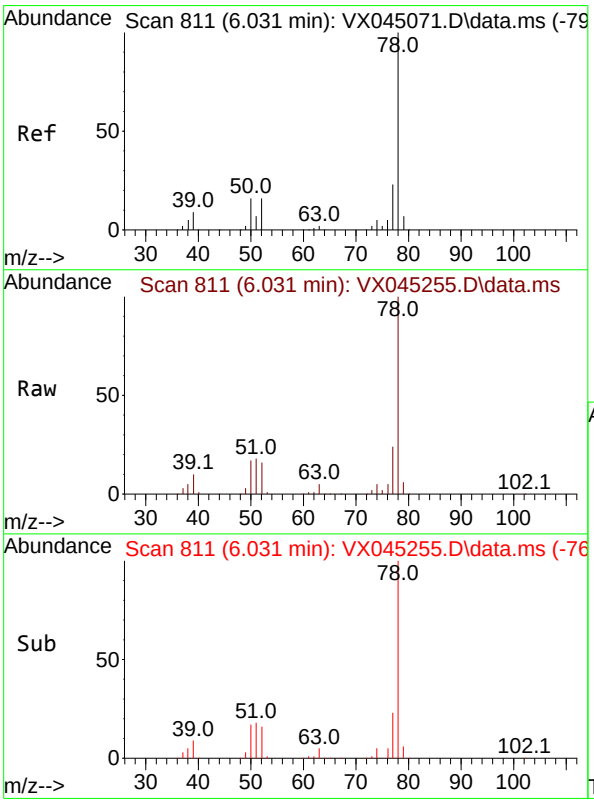
Ion	Ratio	Lower	Upper
83	100		
55	78.6	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

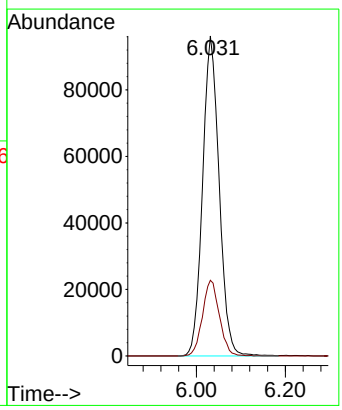
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

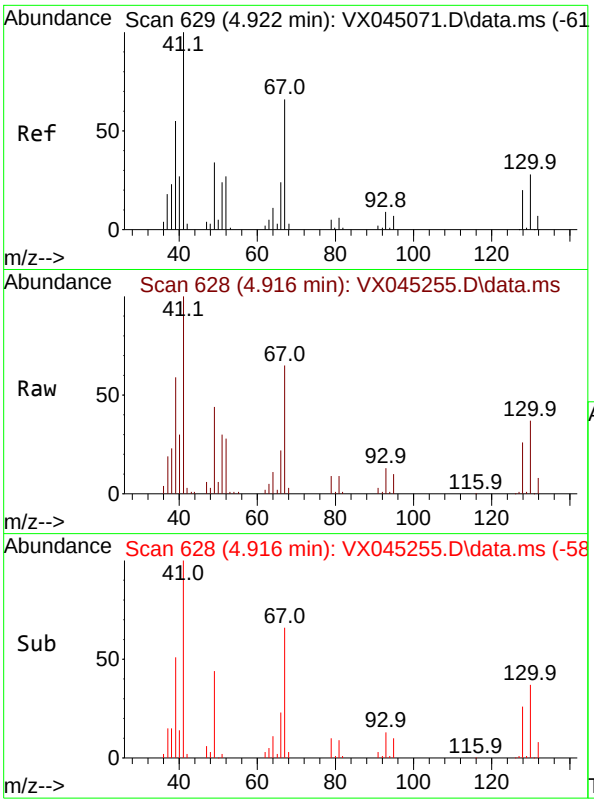


#40
Benzene
Concen: 52.525 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 78 Resp: 250003

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

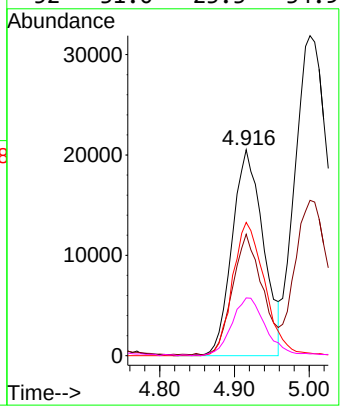




#41
Methacrylonitrile
Concen: 56.668 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 41 Resp: 5951

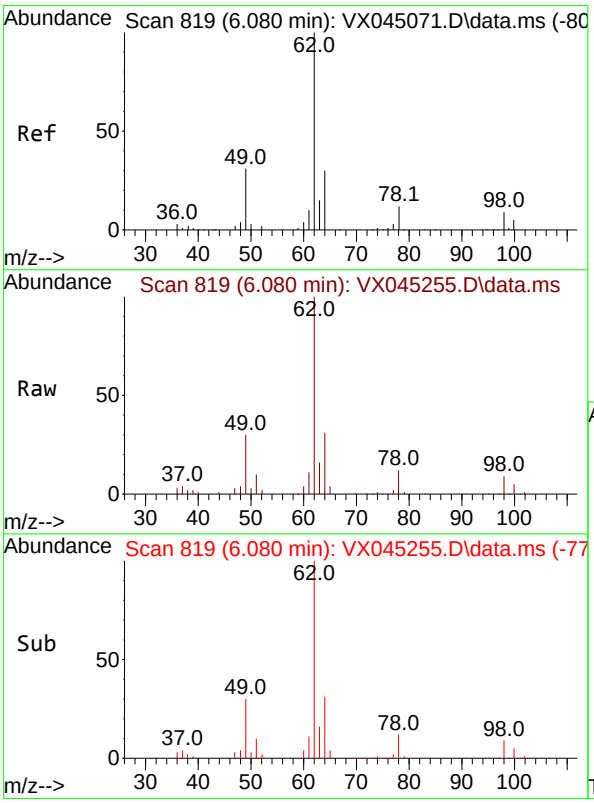
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	67.0
67	67.0	53.9	80.9
52	31.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

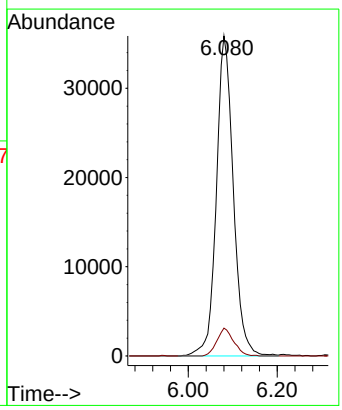
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

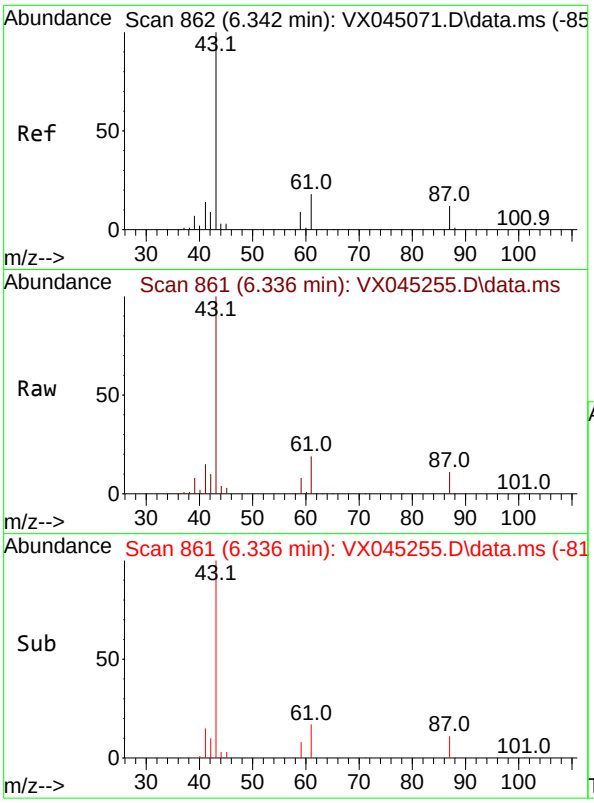


#42
1,2-Dichloroethane
Concen: 55.241 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 62 Resp: 94681

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

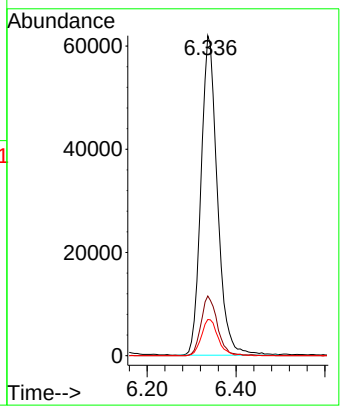




#43
Isopropyl Acetate
Concen: 55.386 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 15906

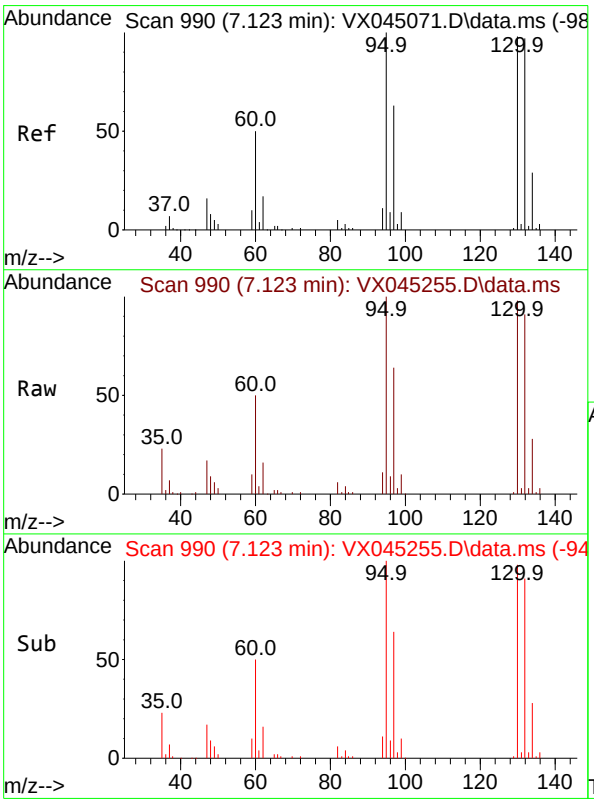
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

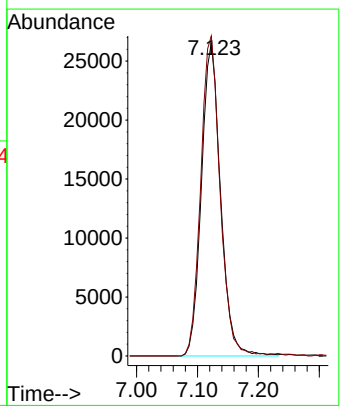
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

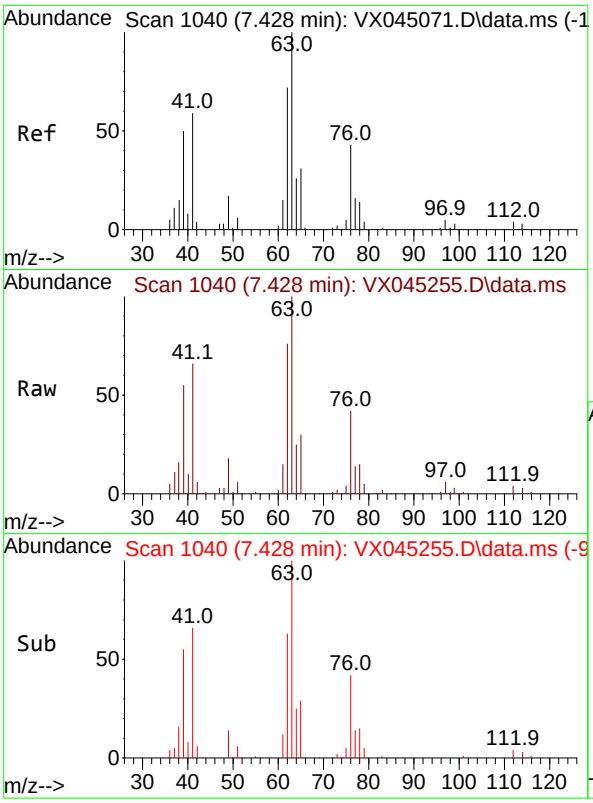


#44
Trichloroethene
Concen: 51.820 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:130 Resp: 57915

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	205.0

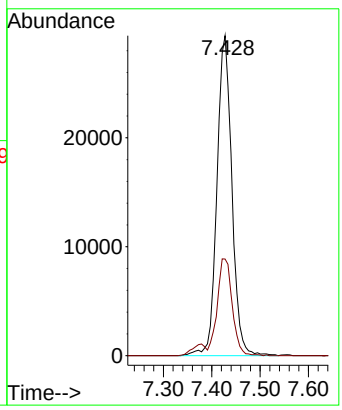




#45
1,2-Dichloropropane
Concen: 51.601 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 63 Resp: 6314

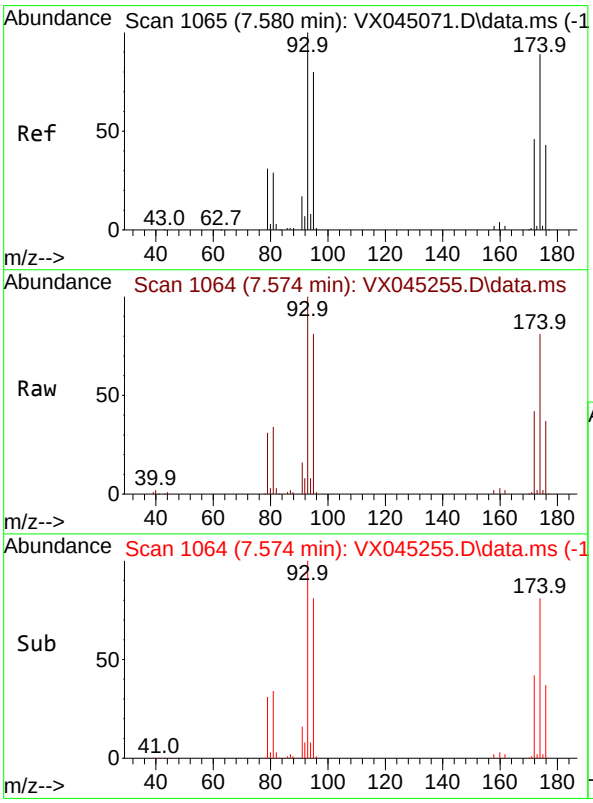
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

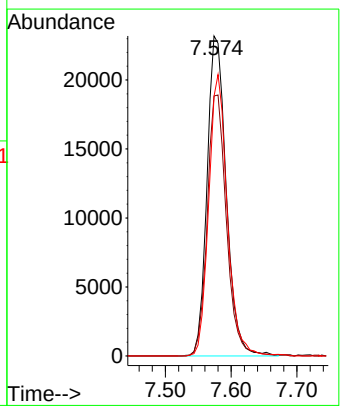
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

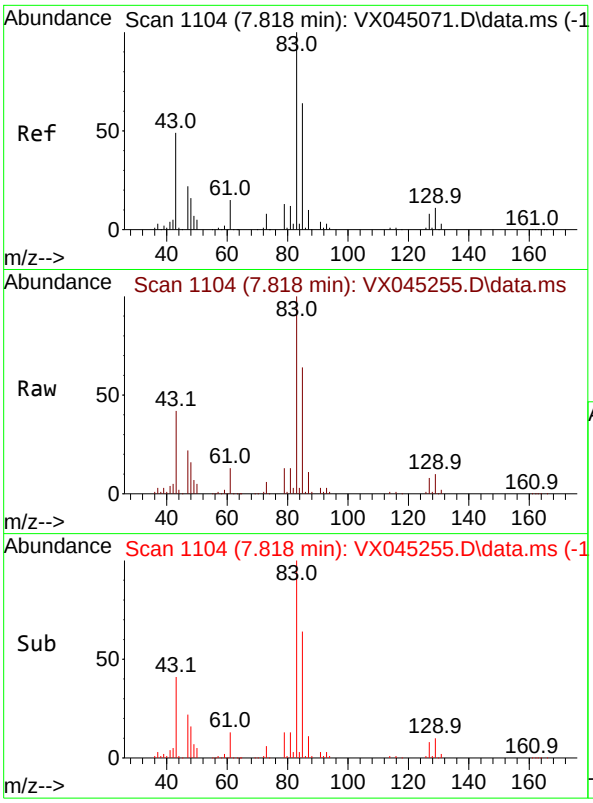


#46
Dibromomethane
Concen: 54.467 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 93 Resp: 47112

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	85.5	72.2	108.2

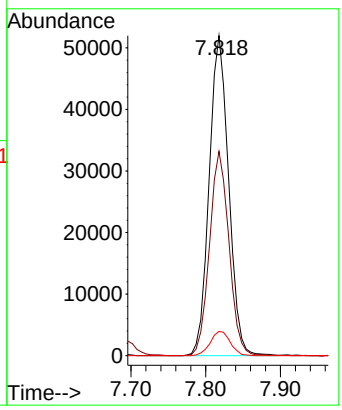




#47
Bromodichloromethane
Concen: 55.411 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 83 Resp: 9401

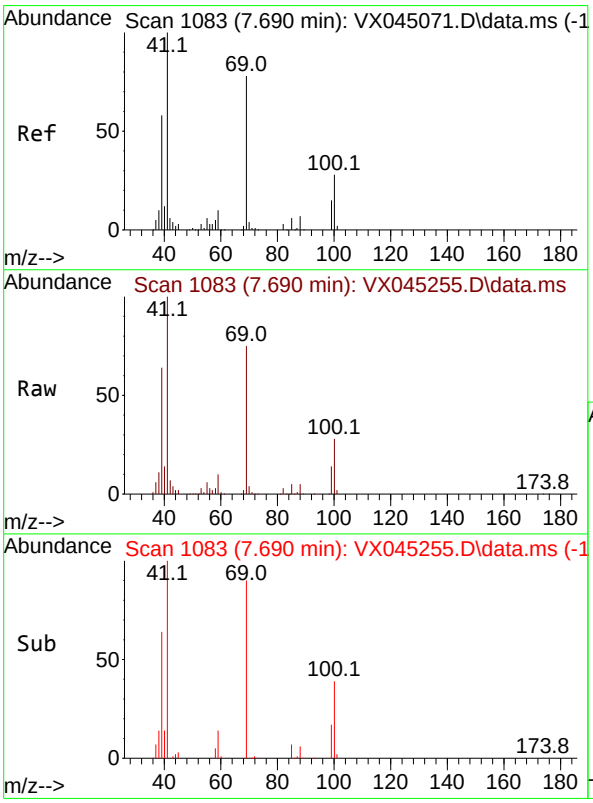
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7
127	7.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

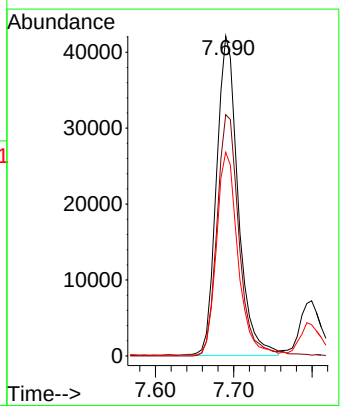
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

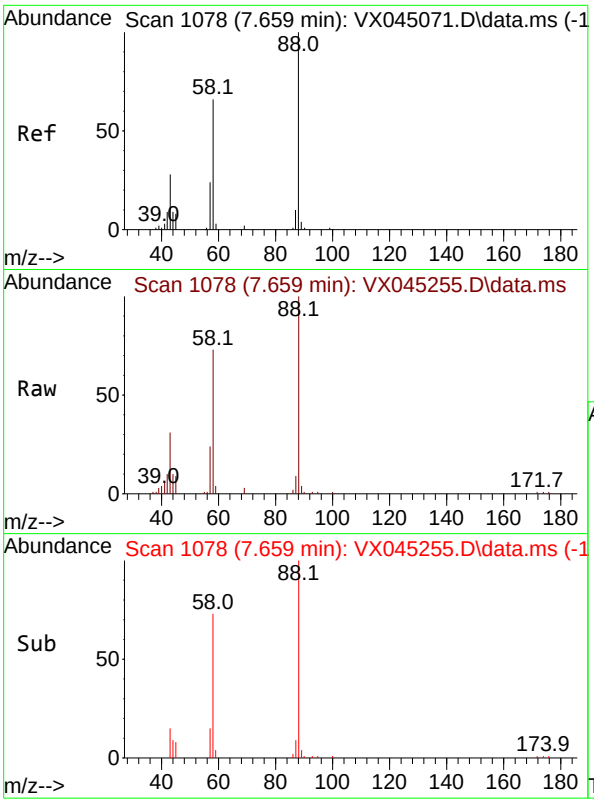


#48
Methyl methacrylate
Concen: 55.963 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 41 Resp: 80635

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.0	94.6
39	63.5	47.5	71.3

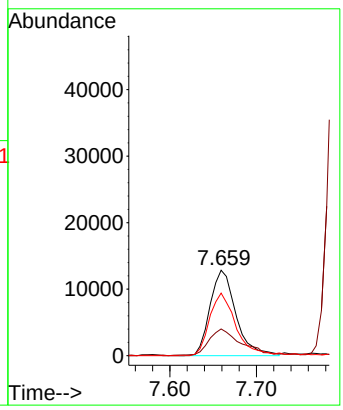




#49
1,4-Dioxane
Concen: 877.723 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 88 Resp: 2667

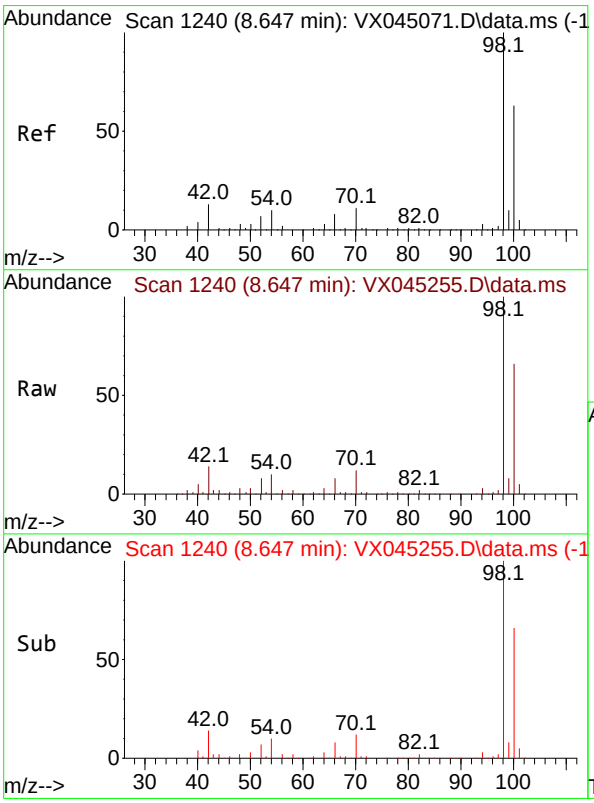
Ion	Ratio	Lower	Upper
88	100		
43	40.6	28.7	43.1
58	74.7	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

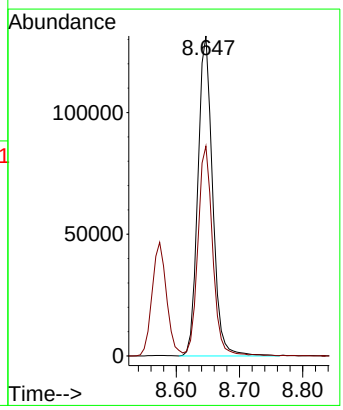
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

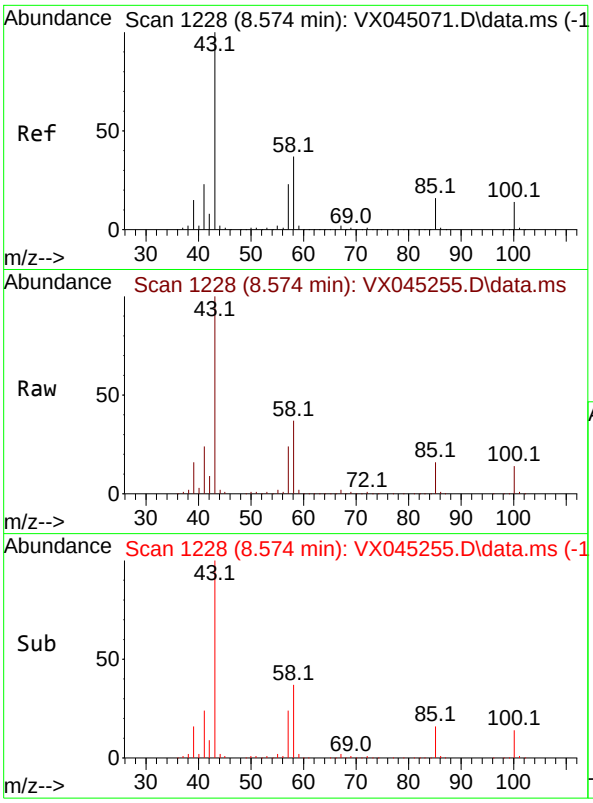


#50
Toluene-d8
Concen: 53.489 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 98 Resp: 213132

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

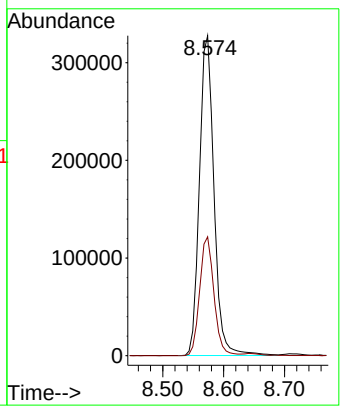




#51
4-Methyl-2-Pentanone
Concen: 282.851 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 54544

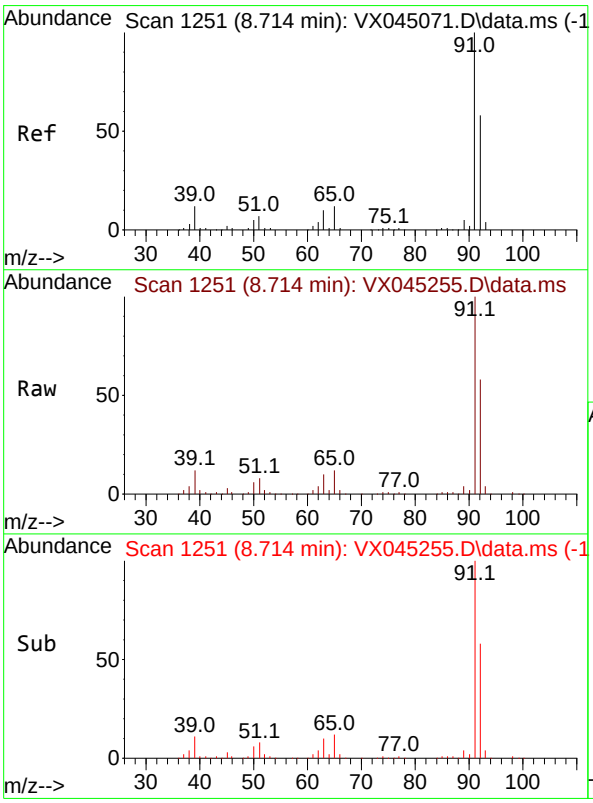
Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

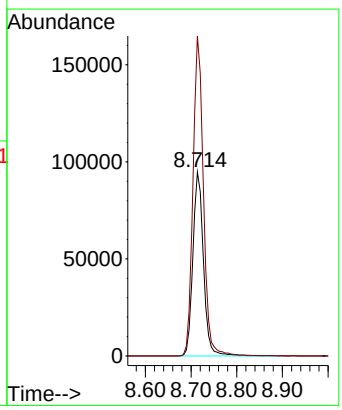
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

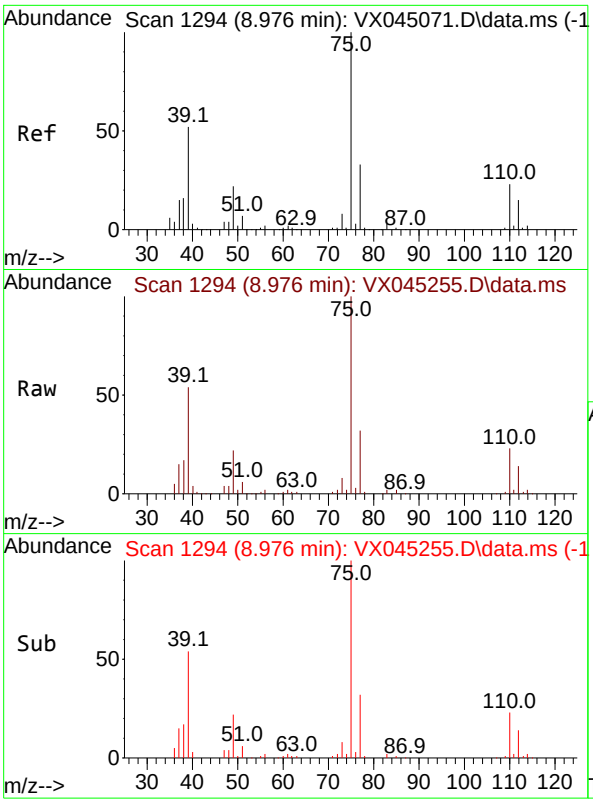


#52
Toluene
Concen: 54.592 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 92 Resp: 152454

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.9	208.3

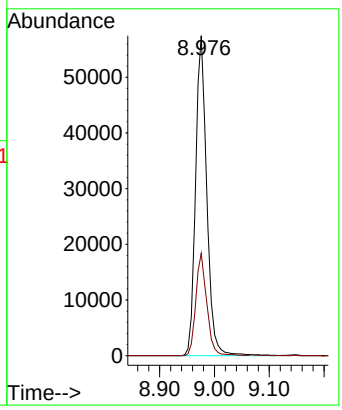




#53
t-1,3-Dichloropropene
Concen: 57.801 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 8198

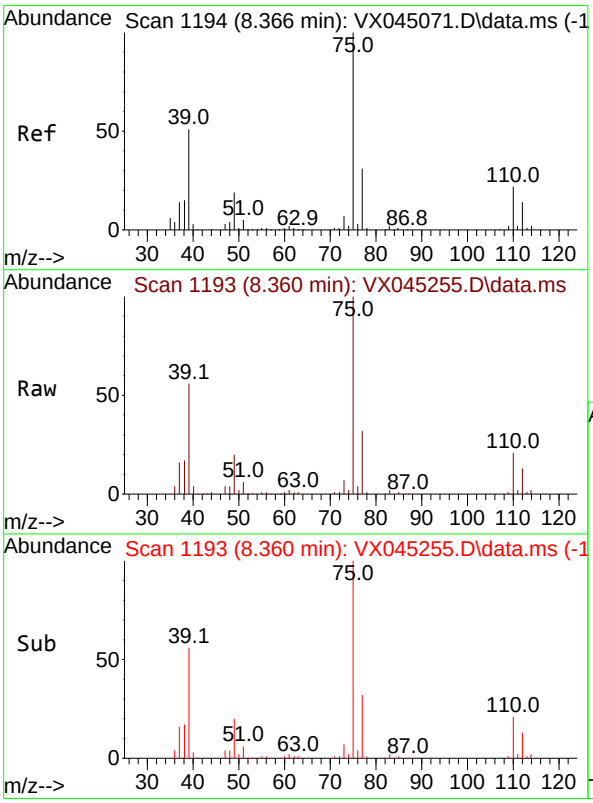
Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

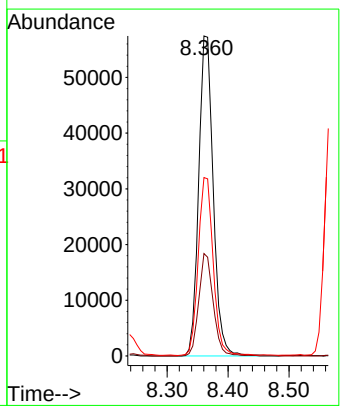
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

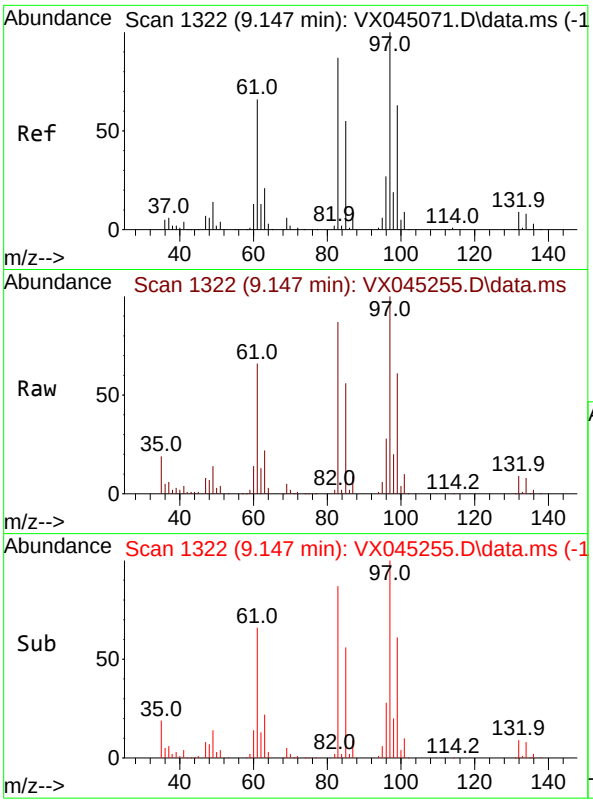


#54
cis-1,3-Dichloropropene
Concen: 57.608 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 95282

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.7	37.1
39	55.6	40.7	61.1

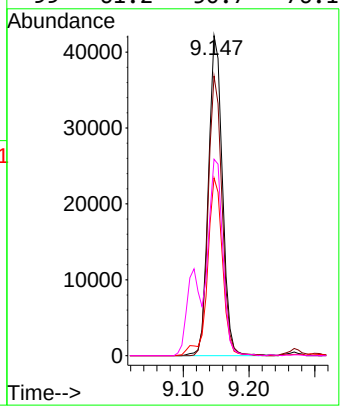




#55
1,1,2-Trichloroethane
Concen: 54.326 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 97 Resp: 6245

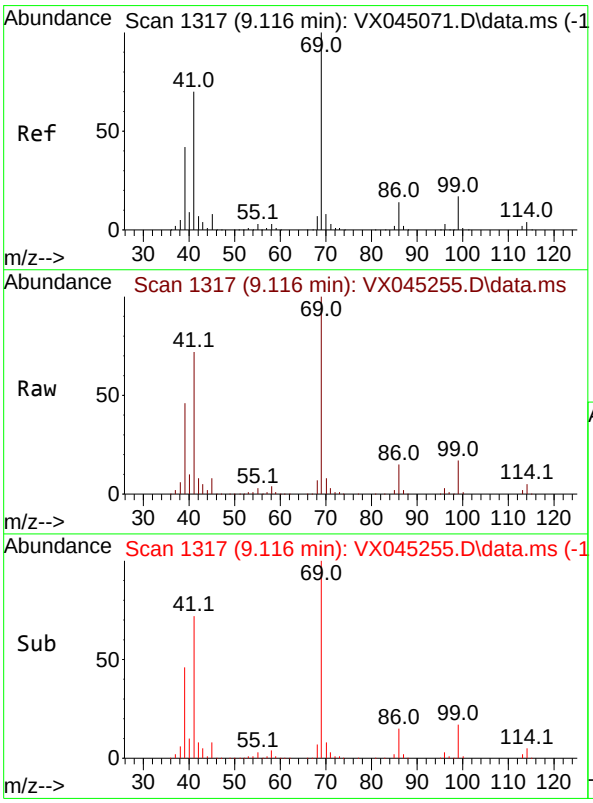
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.4	104.2
85	55.5	44.1	66.1
99	61.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

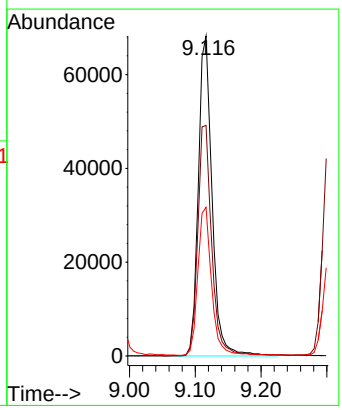
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

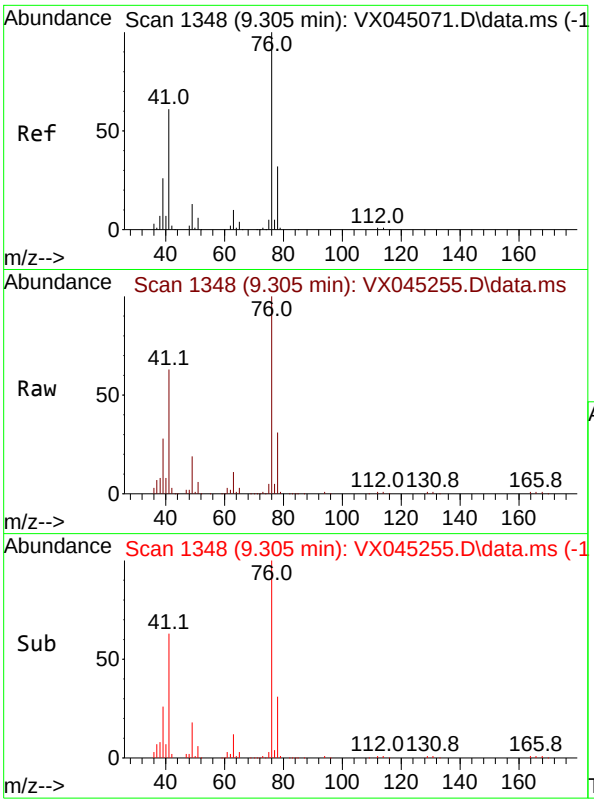


#56
Ethyl methacrylate
Concen: 56.827 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 69 Resp: 99307

Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.0	85.4
39	46.3	34.2	51.4





#57
1,3-Dichloropropane
Concen: 54.666 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

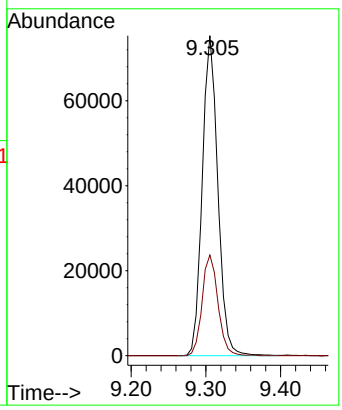
Tgt Ion: 76 Resp: 10876

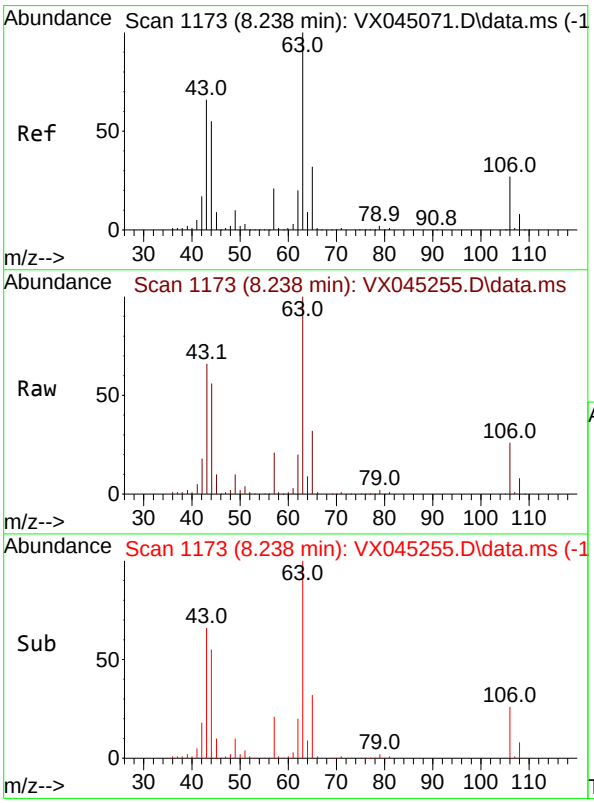
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

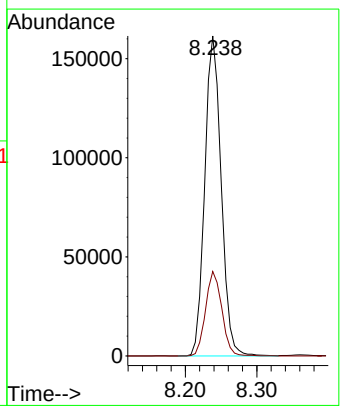


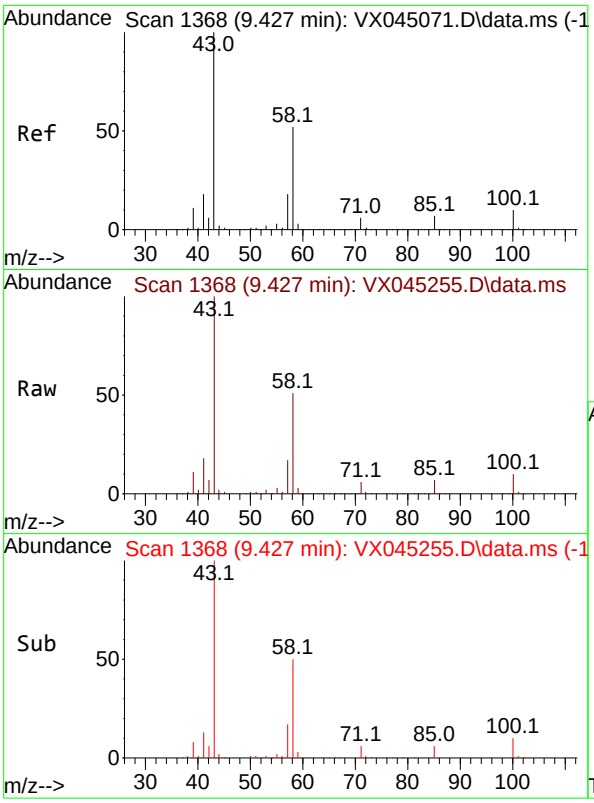


#58
2-Chloroethyl Vinyl ether
Concen: 302.223 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 63 Resp: 257633

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3

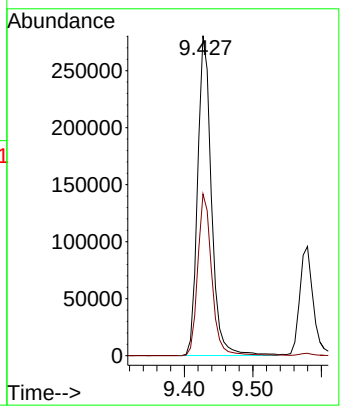




#59
2-Hexanone
Concen: 282.068 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 39410

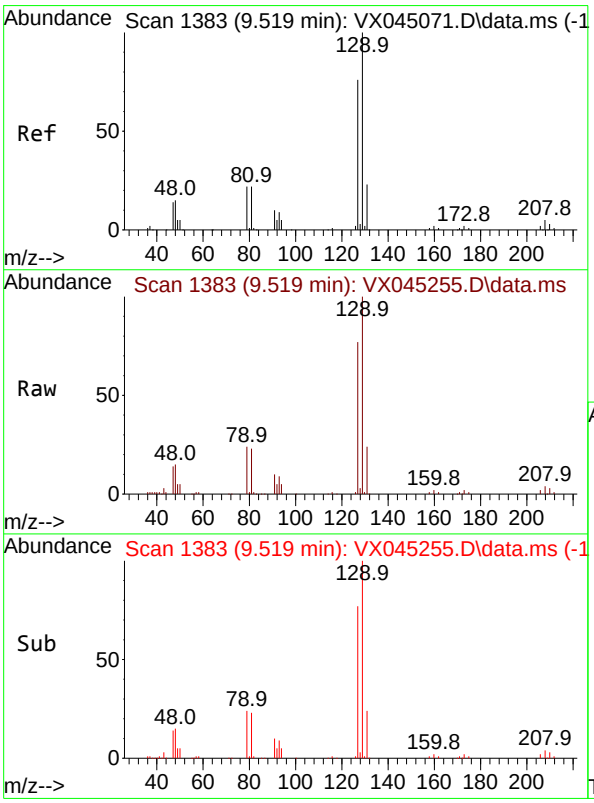
Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

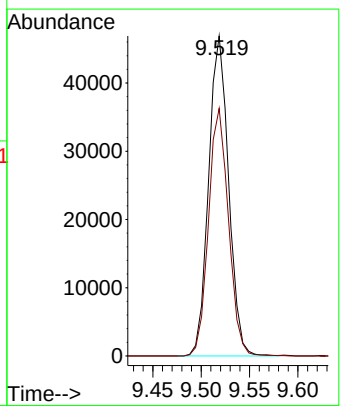
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

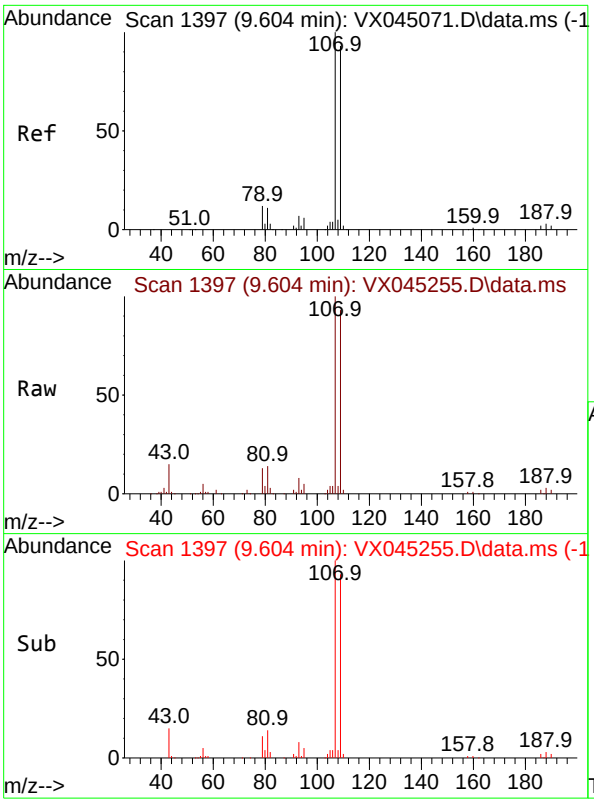


#60
Dibromochloromethane
Concen: 56.067 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:129 Resp: 67396

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5

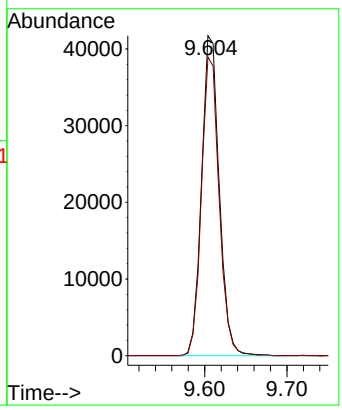




#61
1,2-Dibromoethane
Concen: 54.317 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:107 Resp: 6233

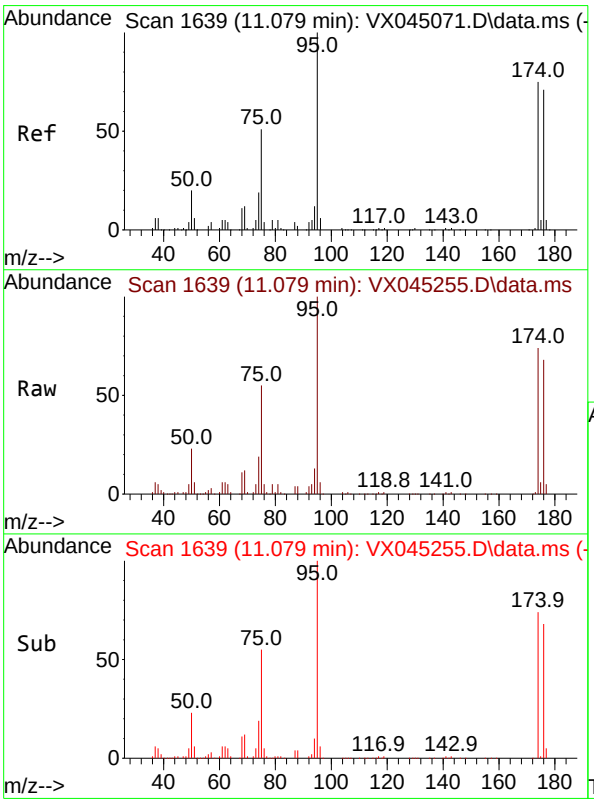
Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

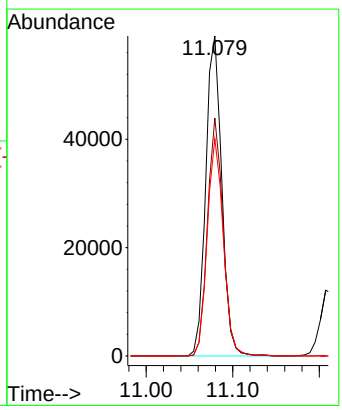
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

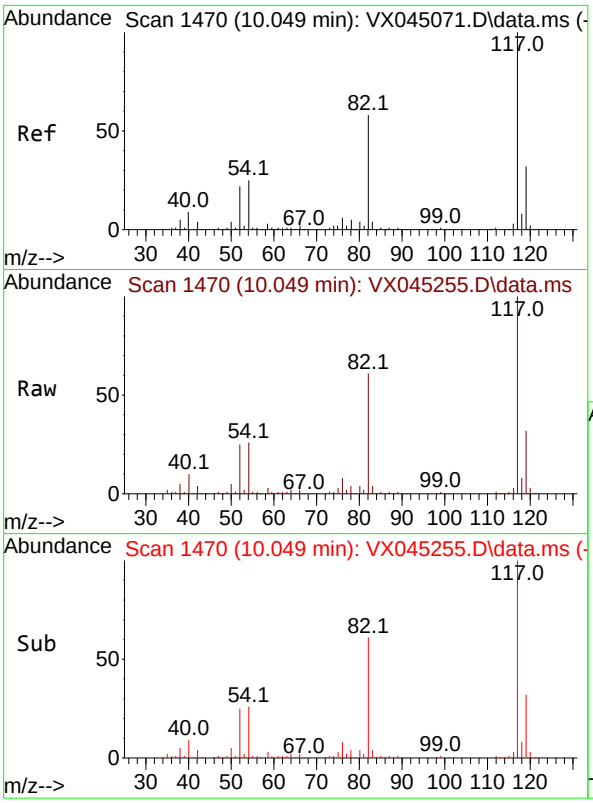


#62
4-Bromofluorobenzene
Concen: 57.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 95 Resp: 75812

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	148.2
176	68.1	0.0	141.4

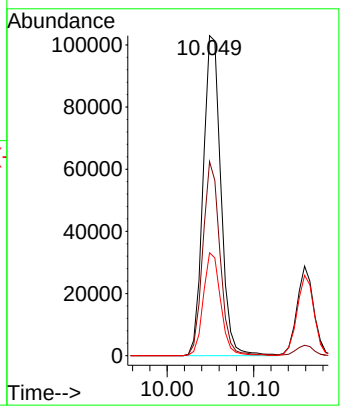




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:117 Resp: 14649

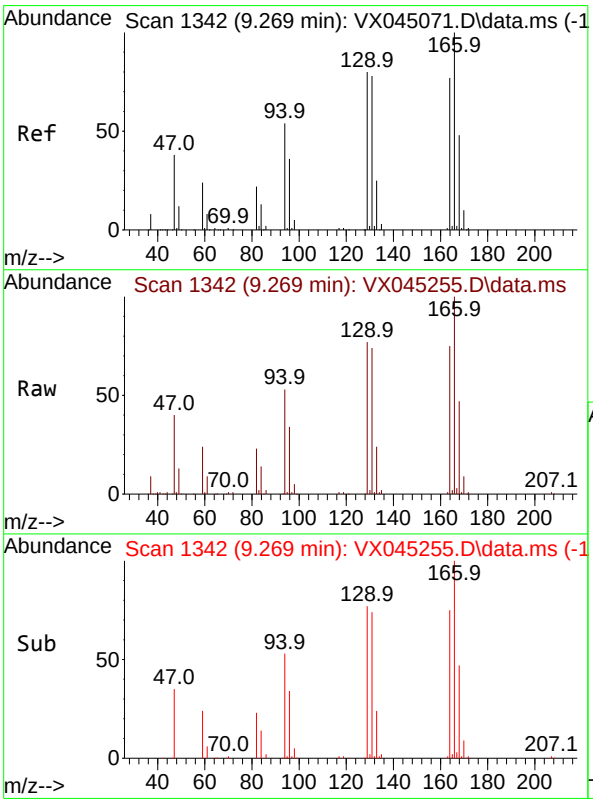
Ion	Ratio	Lower	Upper
117	100		
82	60.6	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

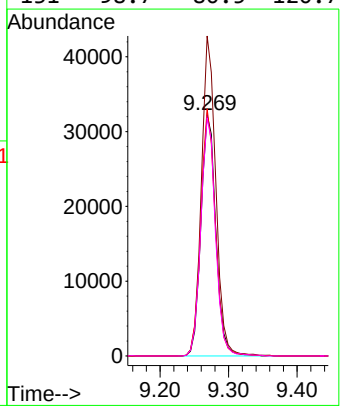
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

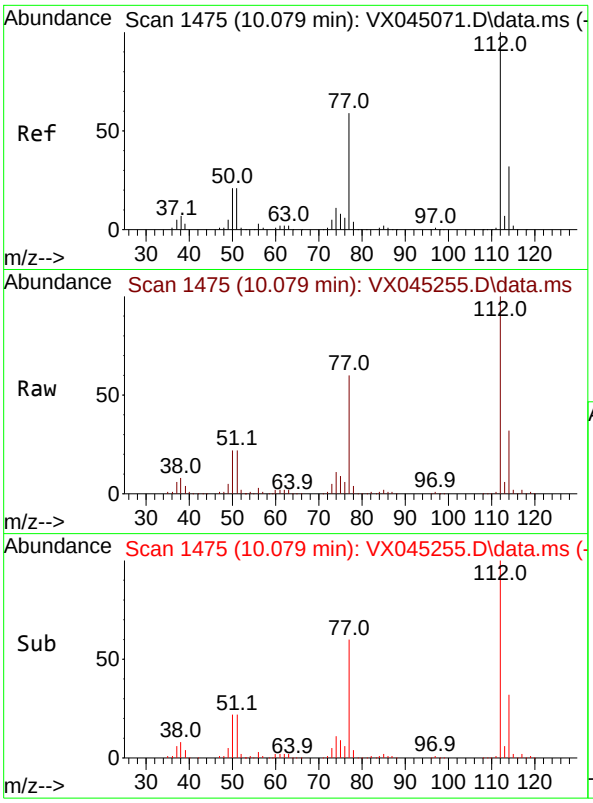


#64
Tetrachloroethene
Concen: 51.818 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:164 Resp: 48618

Ion	Ratio	Lower	Upper
164	100		
166	132.7	103.6	155.4
129	102.6	82.7	124.1
131	98.7	80.5	120.7

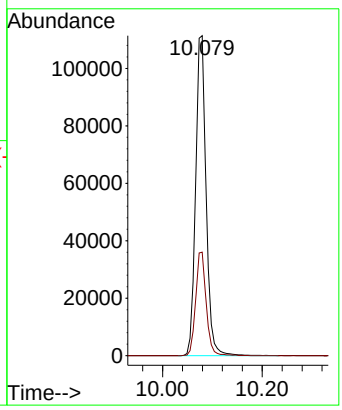




#65
Chlorobenzene
Concen: 52.346 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:112 Resp: 16226

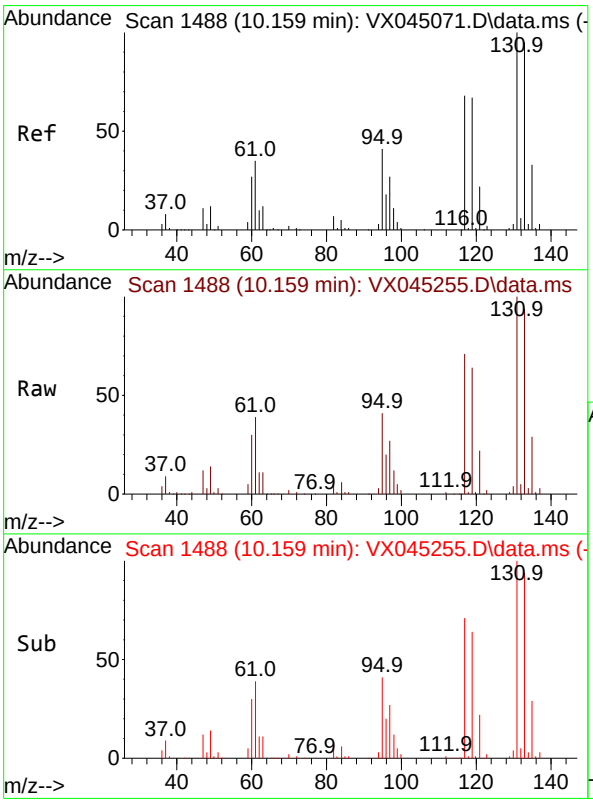
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

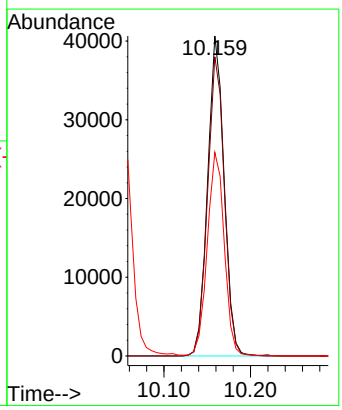
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

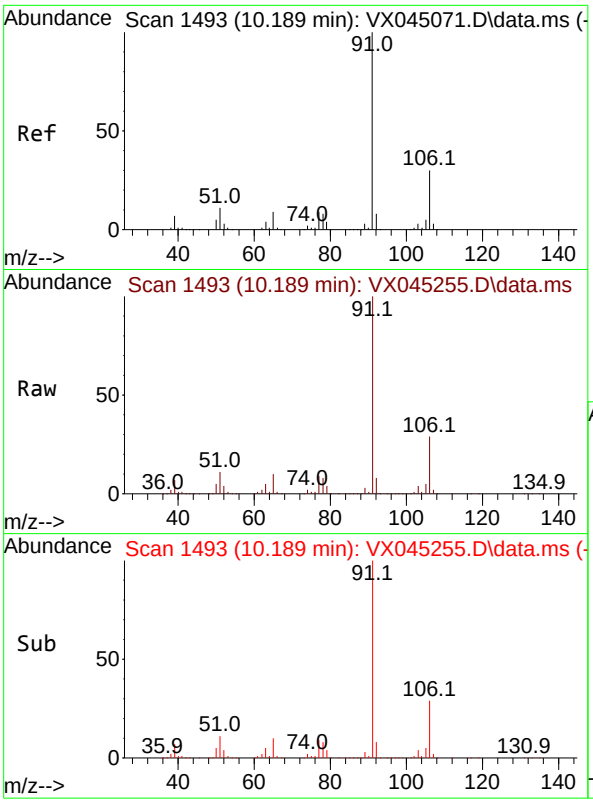


#66
1,1,1,2-Tetrachloroethane
Concen: 52.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:131 Resp: 54040

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	65.2	33.9	101.7

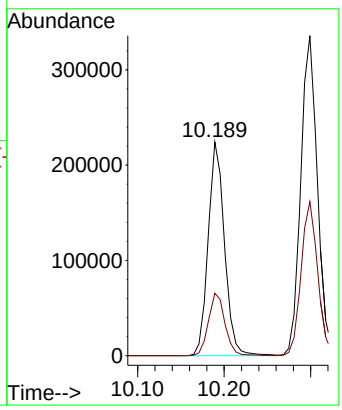




#67
Ethyl Benzene
Concen: 54.454 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 91 Resp: 29412

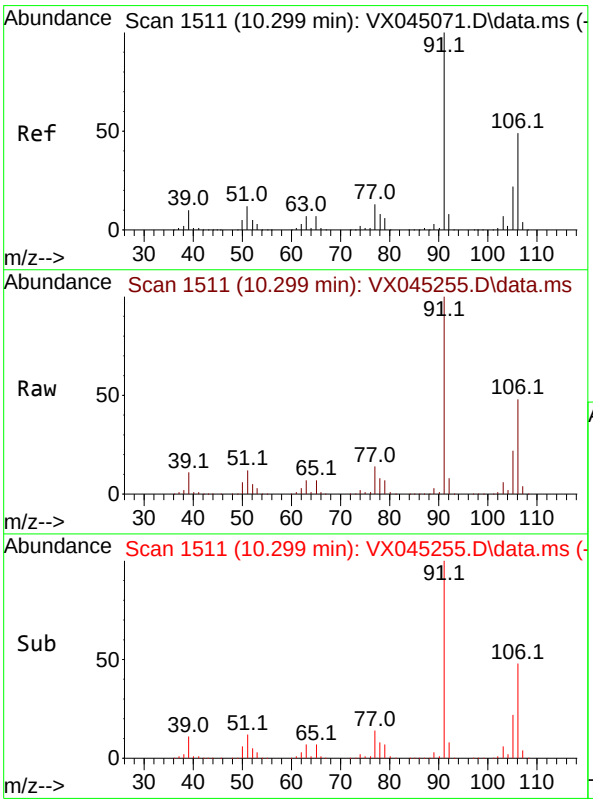
Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

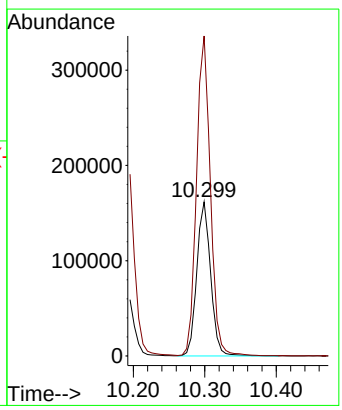
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

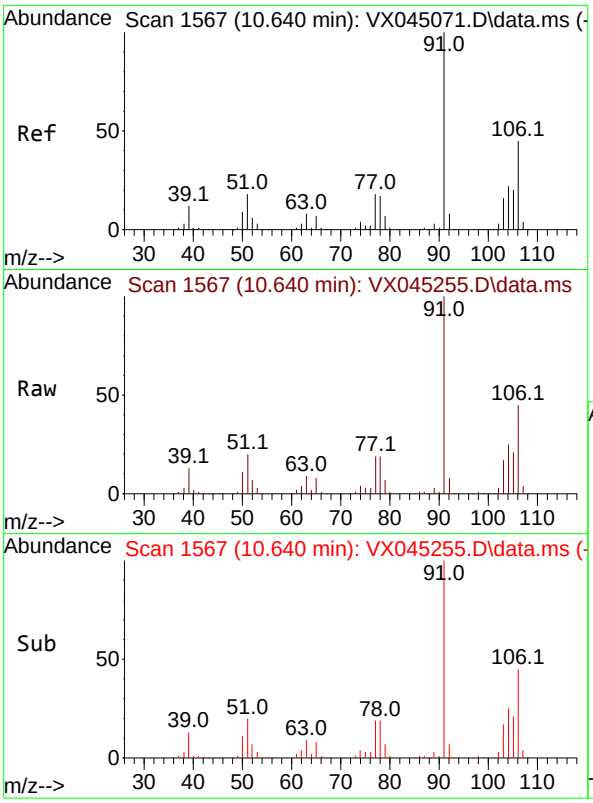


#68
m/p-Xylenes
Concen: 109.706 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:106 Resp: 216917

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.4	248.0

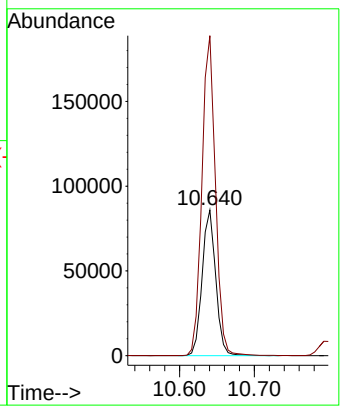




#69
o-Xylene
Concen: 54.430 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:106 Resp: 10854

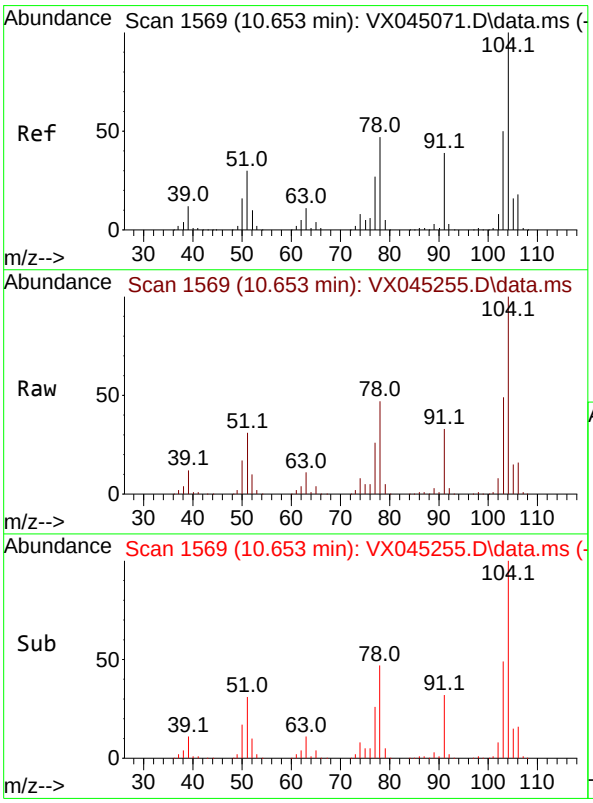
Ion	Ratio	Lower	Upper
106	100		
91	218.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

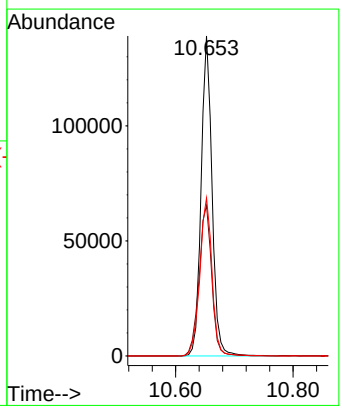
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

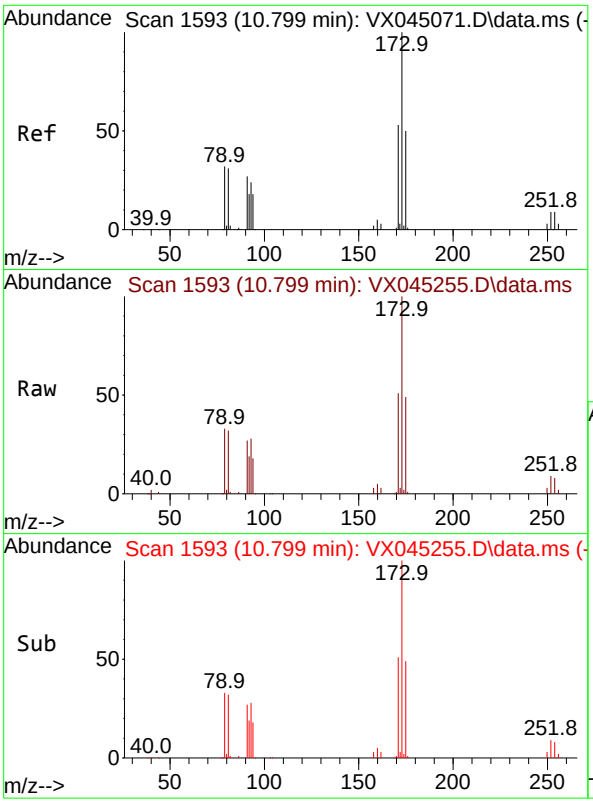


#70
Styrene
Concen: 55.697 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:104 Resp: 179718

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	55.3	43.8	65.8

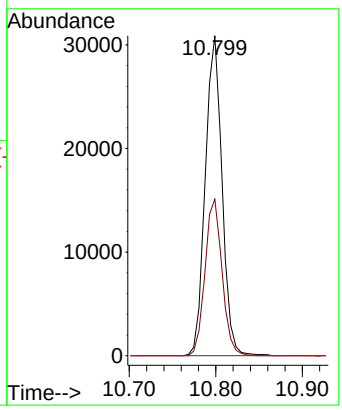




#71
Bromoform
Concen: 53.386 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:173 Resp: 4155

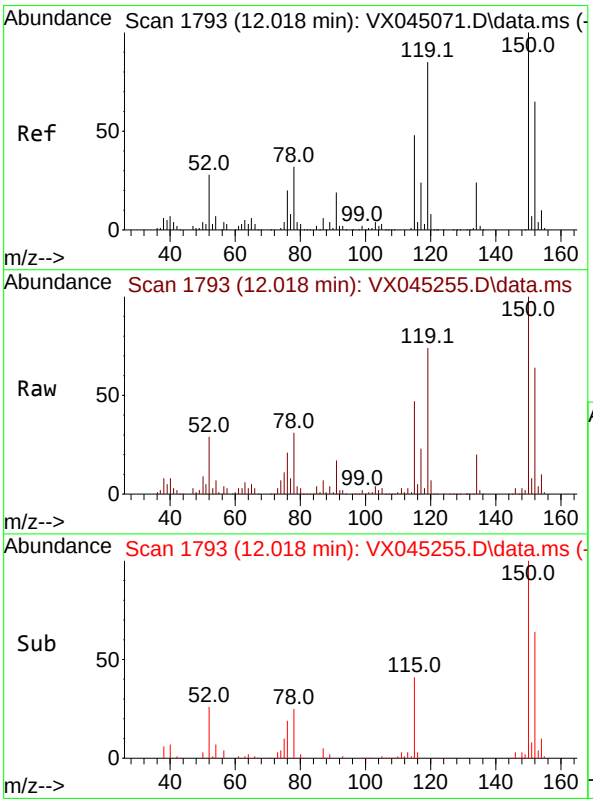
Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

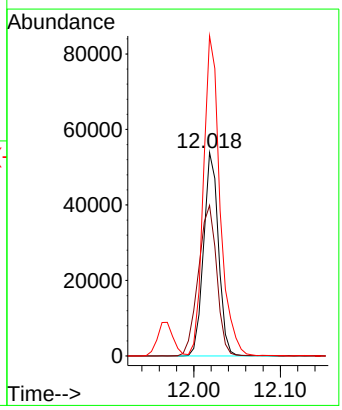
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

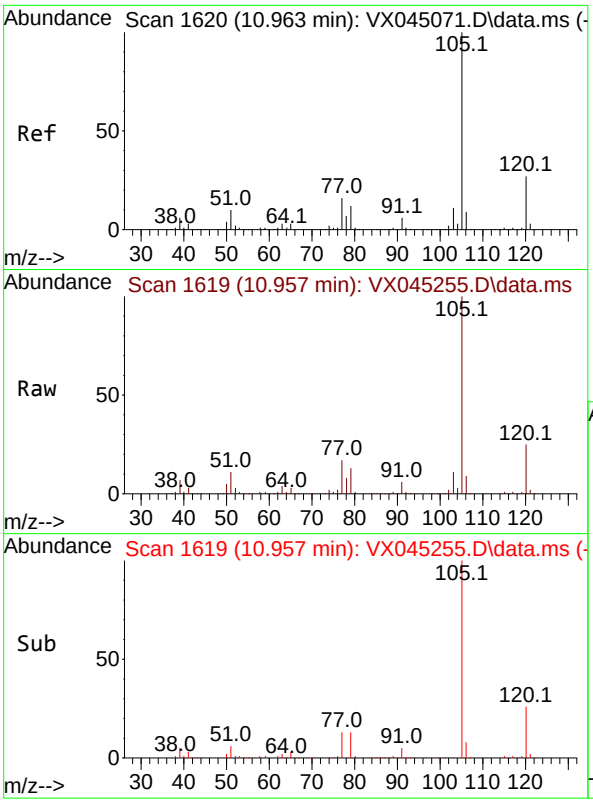


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:152 Resp: 64200

Ion	Ratio	Lower	Upper
152	100		
115	91.6	44.2	132.6
150	175.7	0.0	349.0

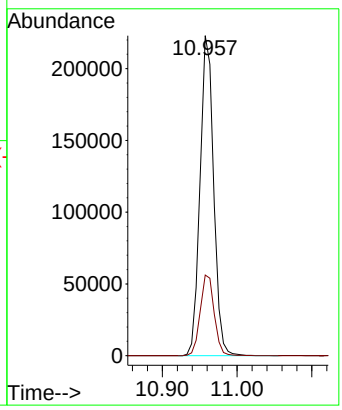




#73
Isopropylbenzene
Concen: 56.246 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:105 Resp: 28184

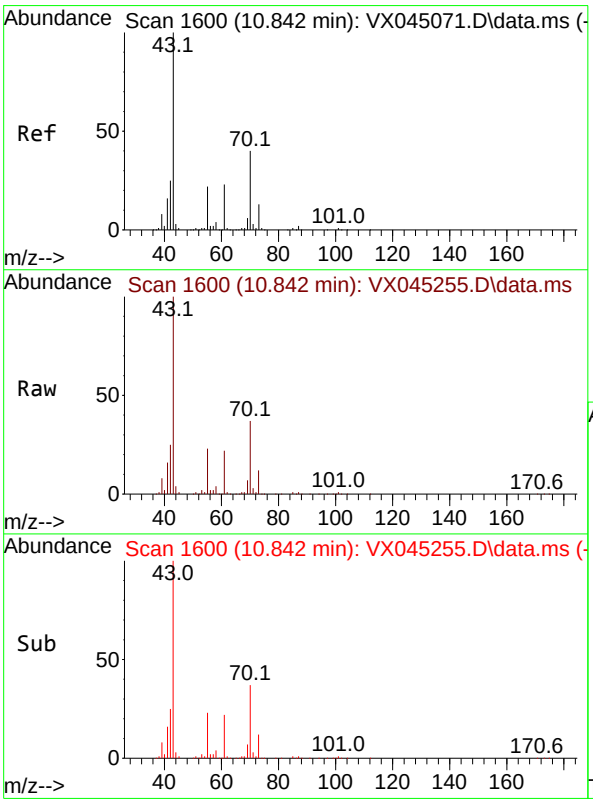
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

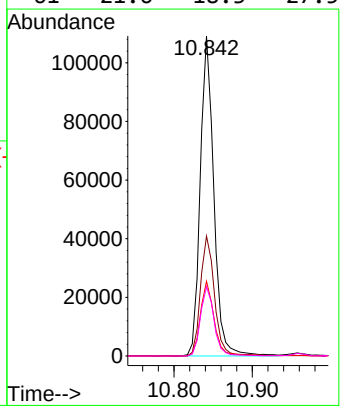
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

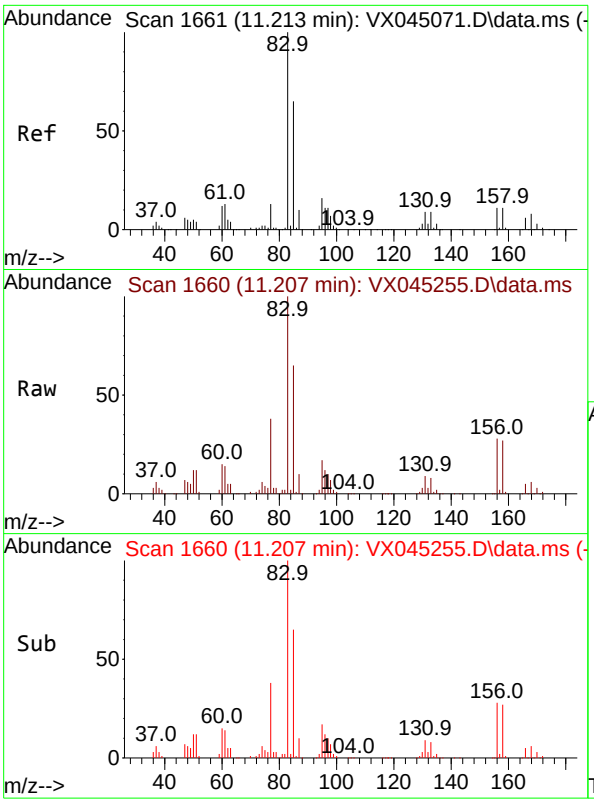


#74
N-amyl acetate
Concen: 56.043 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 131774

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.8	47.6
55	23.7	18.3	27.5
61	21.6	18.3	27.5

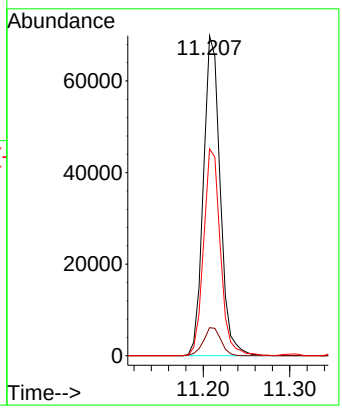




#75
1,1,2,2-Tetrachloroethane
Concen: 51.034 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 83 Resp: 9384

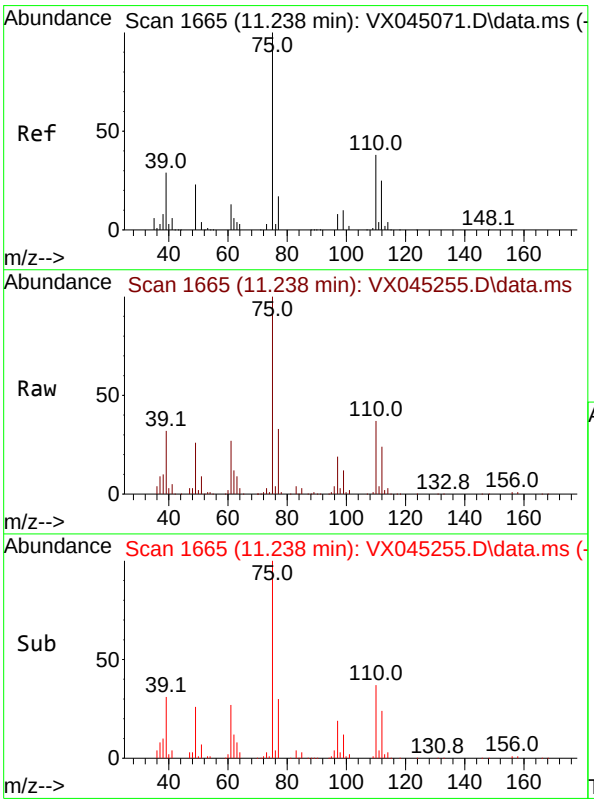
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

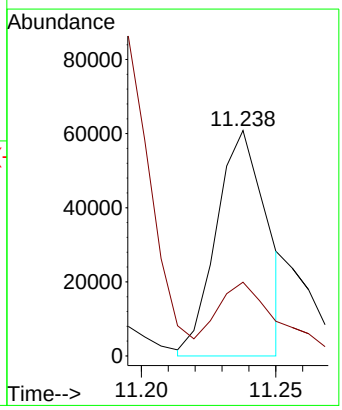
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

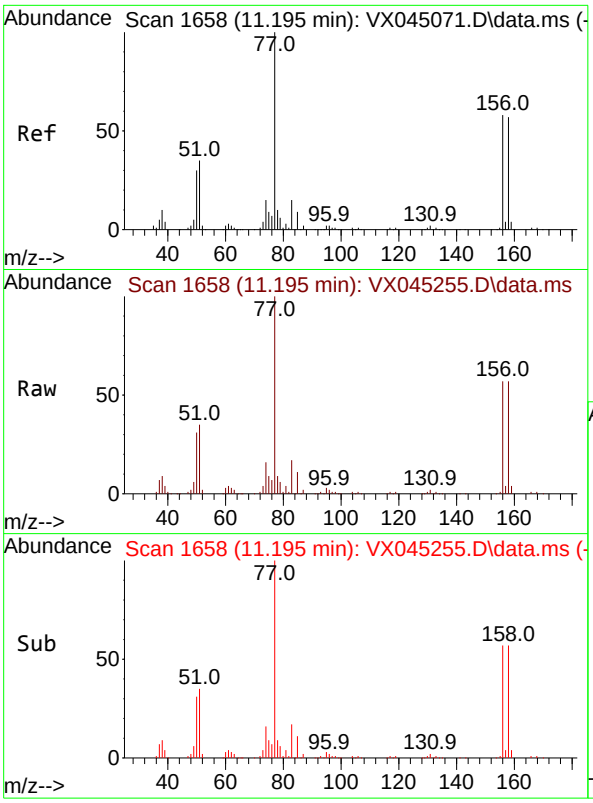


#76
1,2,3-Trichloropropane
Concen: 52.952 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 79124

Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.7	62.1

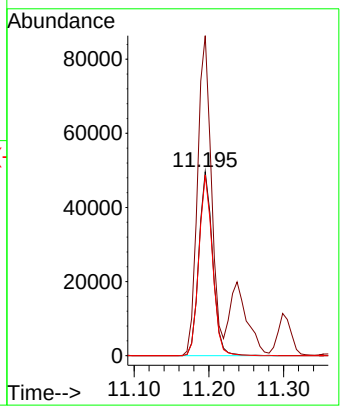




#77
Bromobenzene
Concen: 53.528 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:156 Resp: 6328

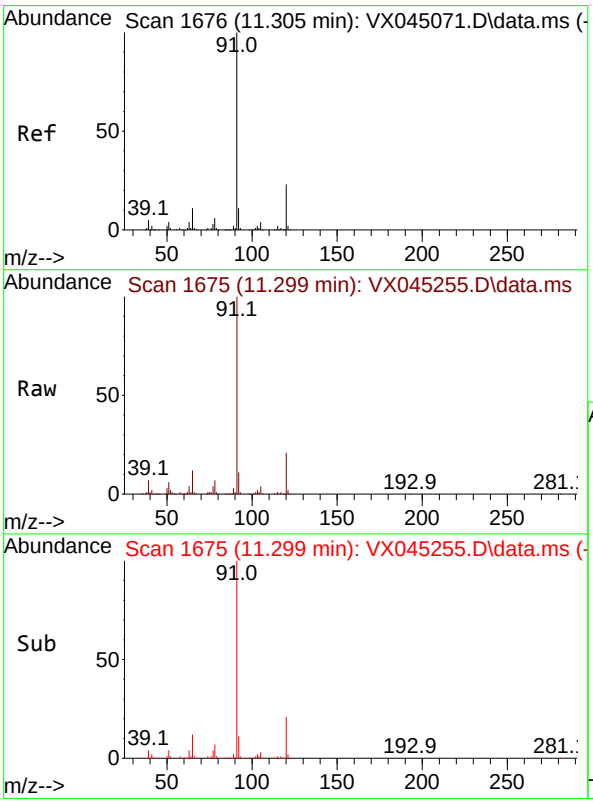
Ion	Ratio	Lower	Upper
156	100		
77	176.3	85.8	257.4
158	97.4	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

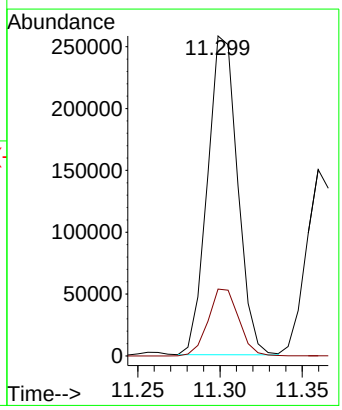
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

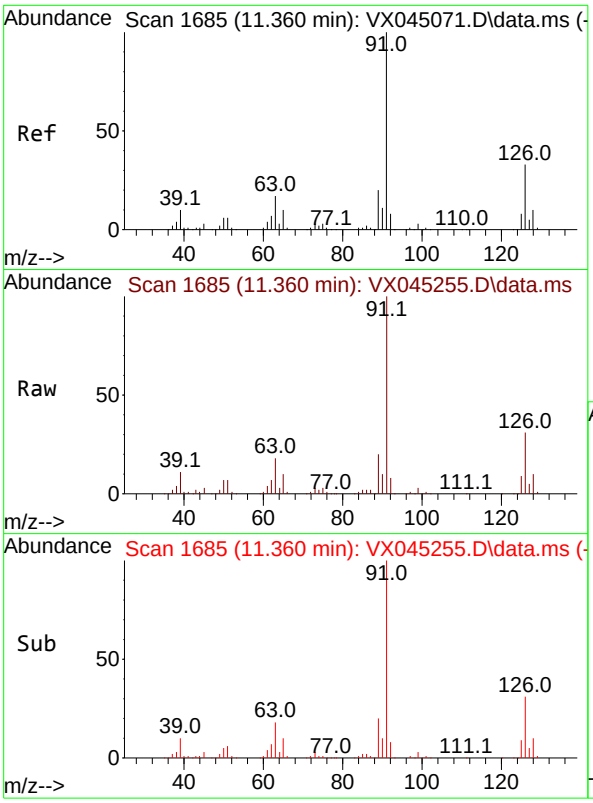


#78
n-propylbenzene
Concen: 57.903 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 91 Resp: 327763

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6





#79
2-Chlorotoluene
Concen: 53.629 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

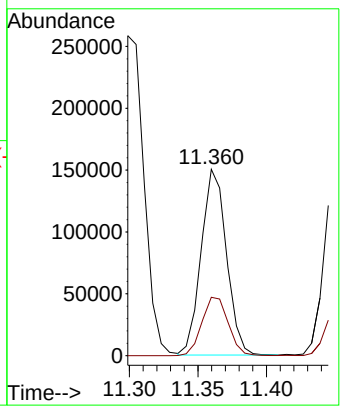
Tgt Ion: 91 Resp: 19333

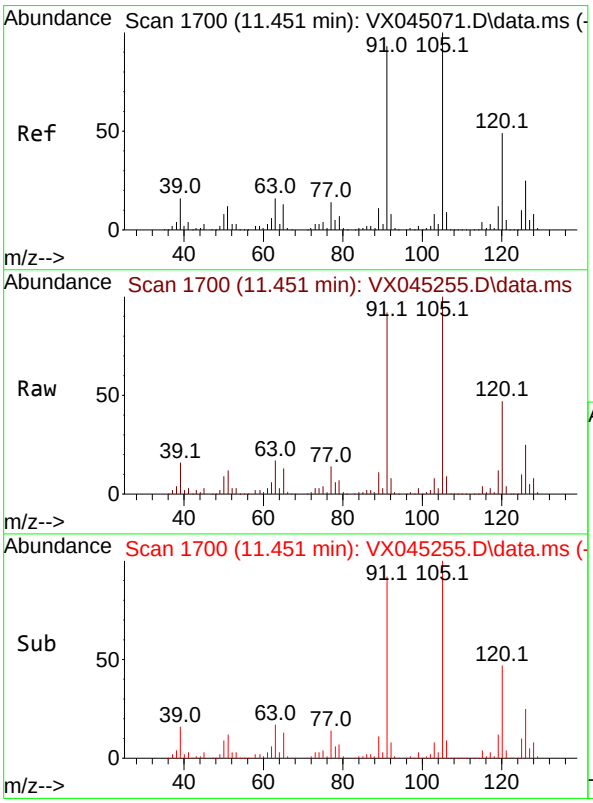
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

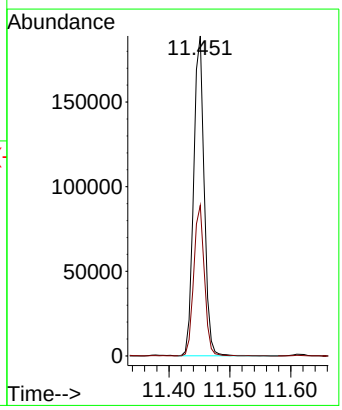


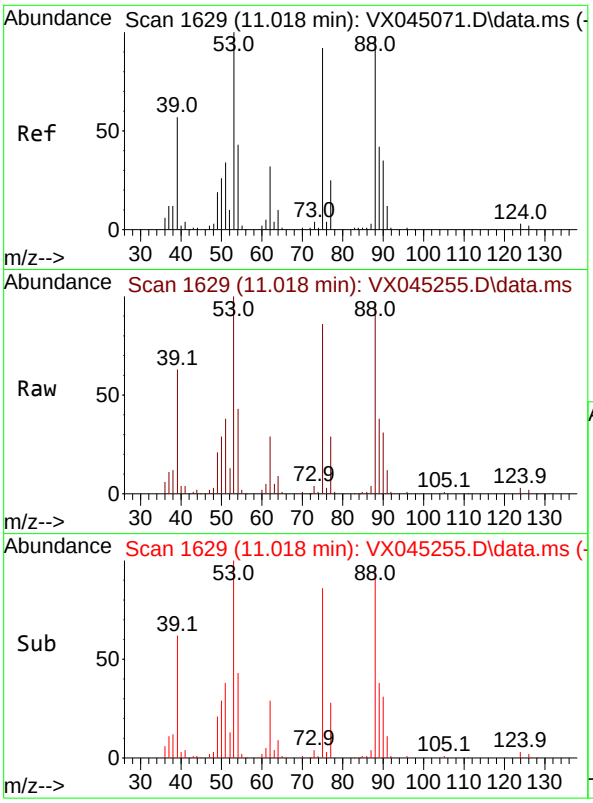


#80
1,3,5-Trimethylbenzene
Concen: 56.011 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:105 Resp: 226942

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.1	72.2

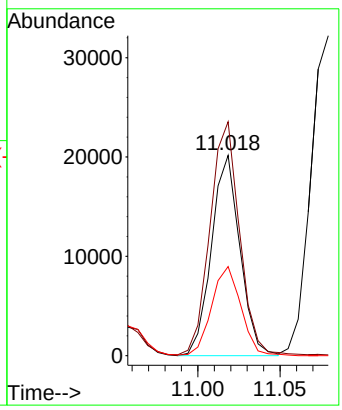




#81
trans-1,4-Dichloro-2-butene
Concen: 55.696 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 2431

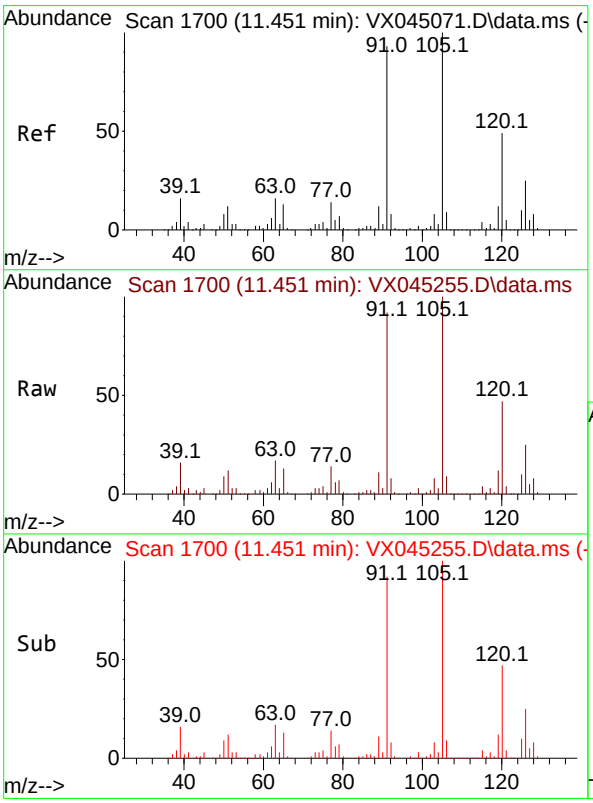
Ion	Ratio	Lower	Upper
75	100		
53	120.2	88.5	132.7
89	45.7	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

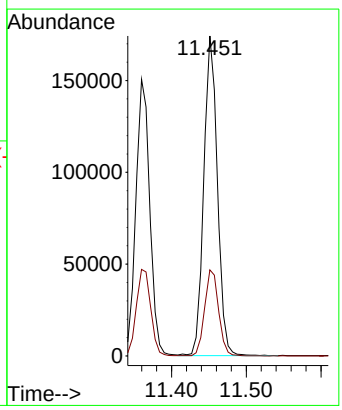
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

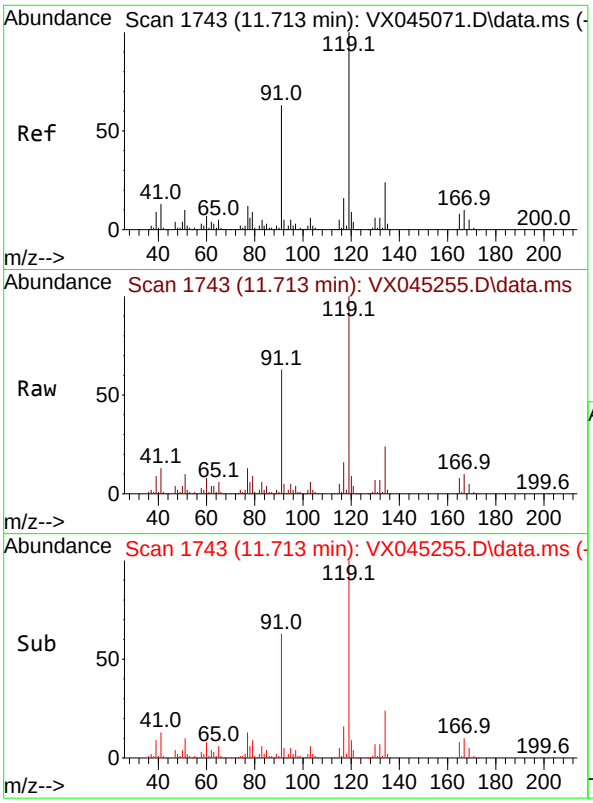


#82
4-Chlorotoluene
Concen: 55.942 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 91 Resp: 219795

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

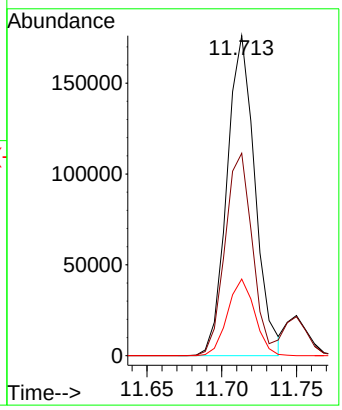




#83
tert-Butylbenzene
Concen: 55.084 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:119 Resp: 22931

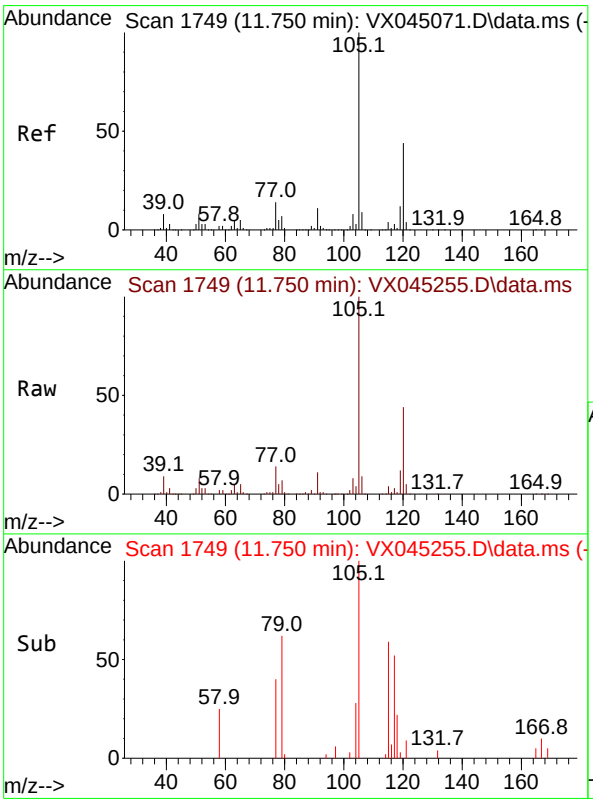
Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.7	92.1
134	23.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

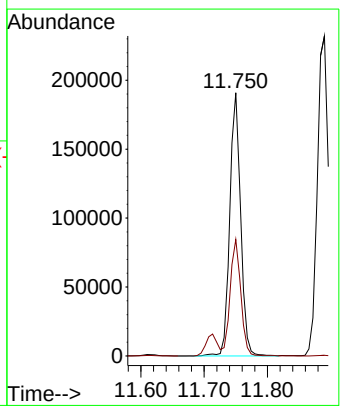
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

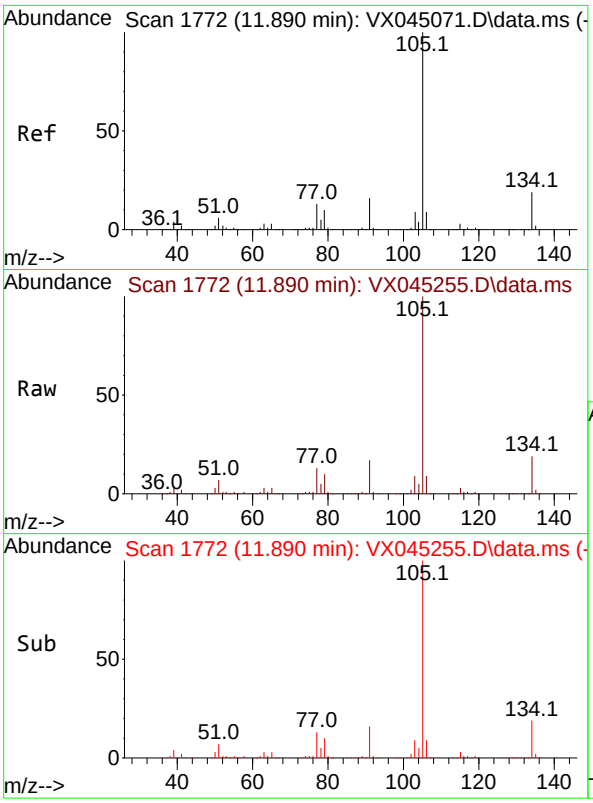


#84
1,2,4-Trimethylbenzene
Concen: 55.915 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:105 Resp: 227959

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1





#85
sec-Butylbenzene
Concen: 58.061 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

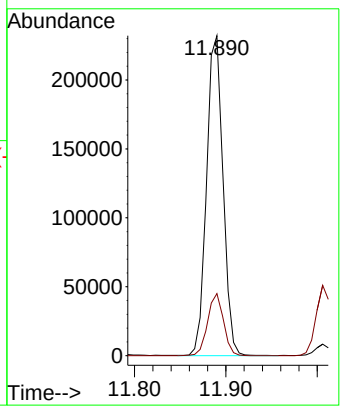
Tgt Ion:105 Resp: 28954

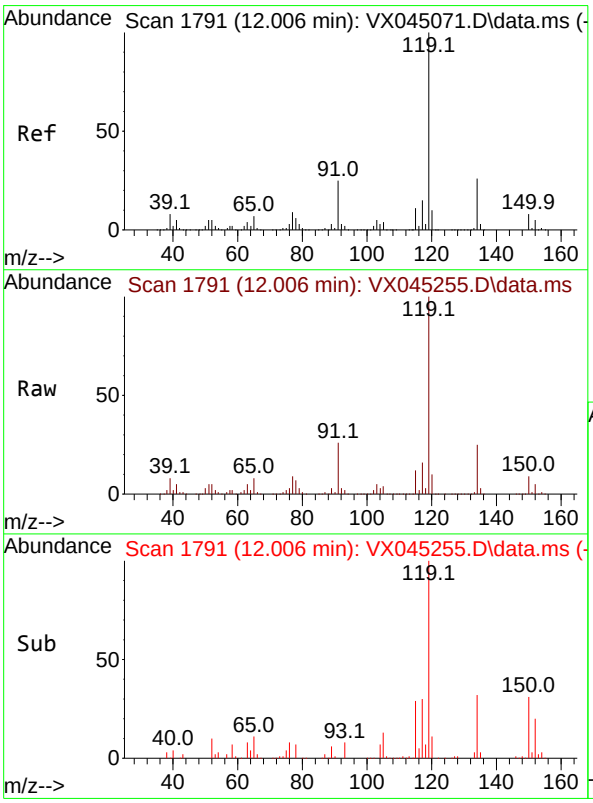
Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

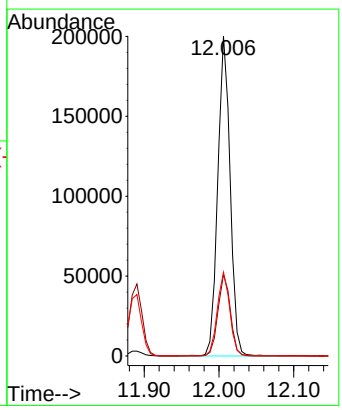


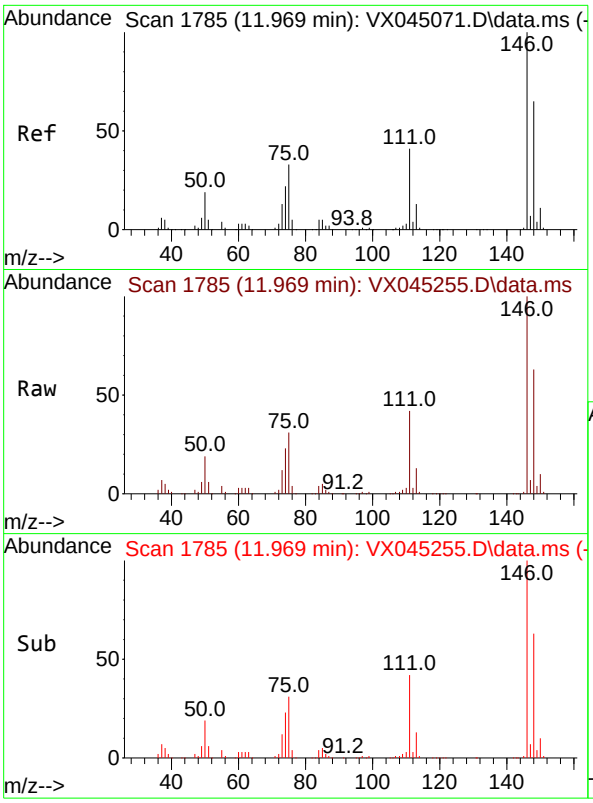


#86
p-Isopropyltoluene
Concen: 57.285 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:119 Resp: 230863

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	26.2	12.7	38.0

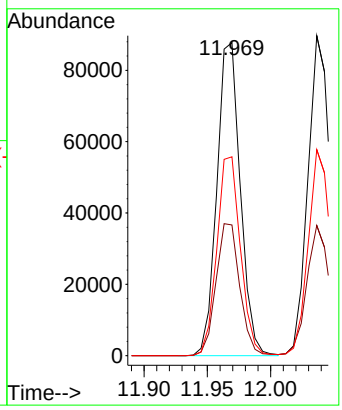




#87
1,3-Dichlorobenzene
Concen: 53.552 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:146 Resp: 11295

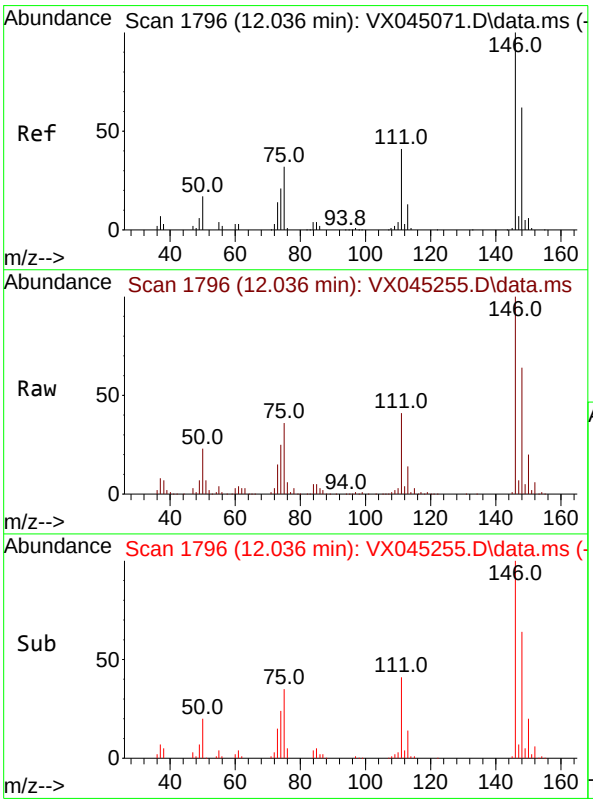
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

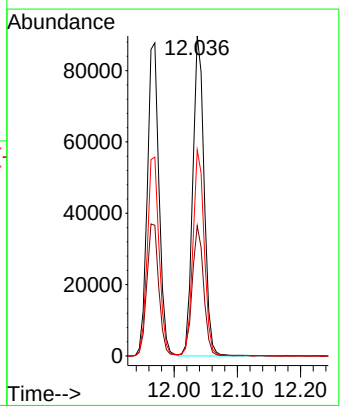
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

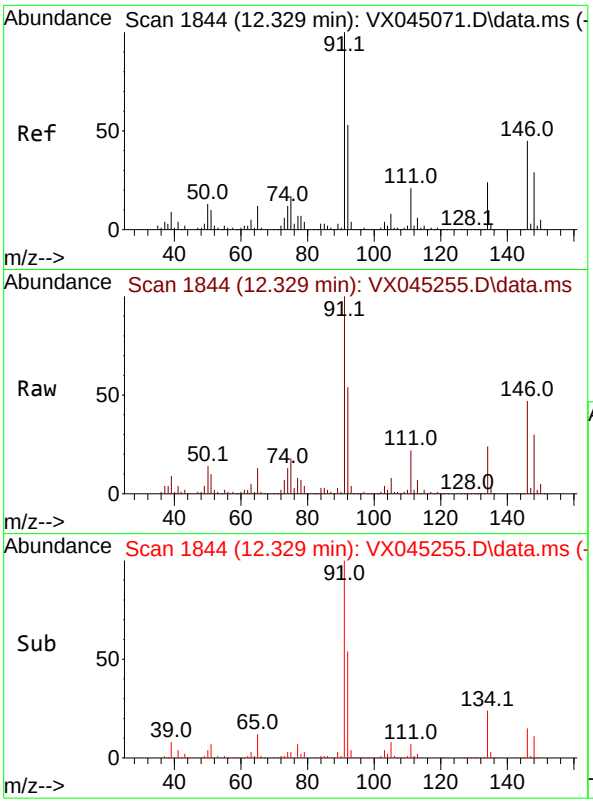


#88
1,4-Dichlorobenzene
Concen: 52.597 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:146 Resp: 112234

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.5
148	63.5	31.9	95.9

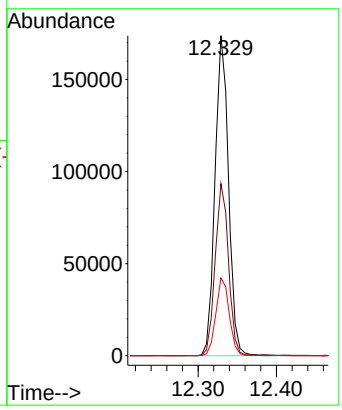




#89
n-Butylbenzene
Concen: 60.015 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 91 Resp: 20831

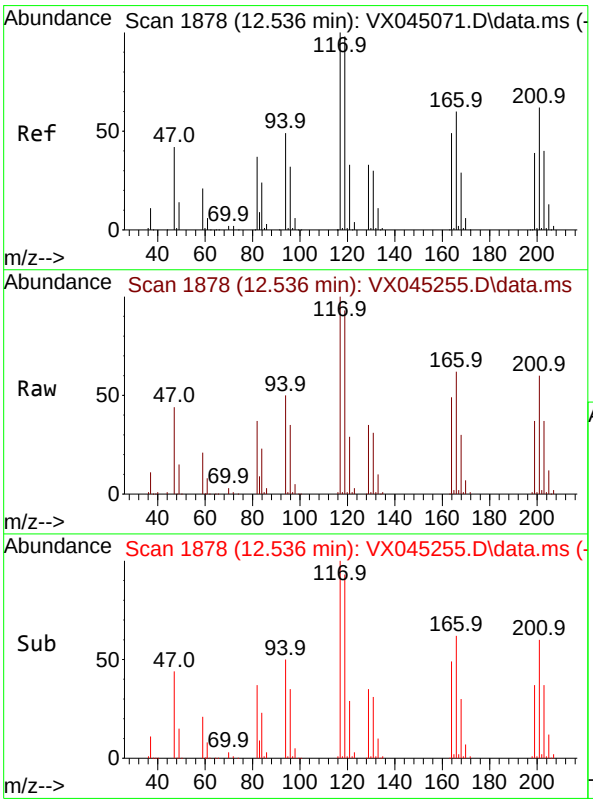
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.0	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

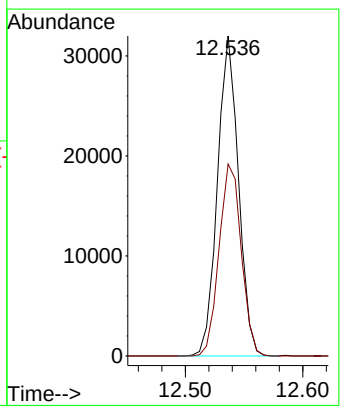
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

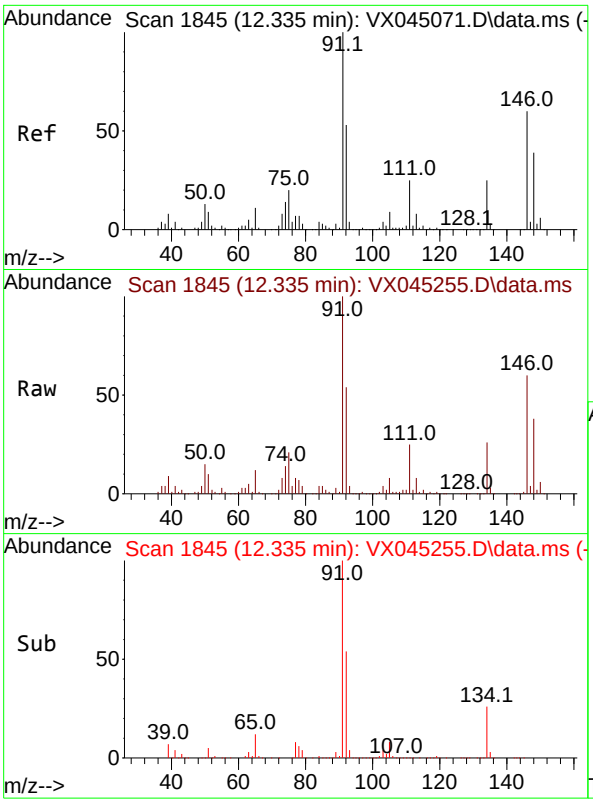


#90
Hexachloroethane
Concen: 54.530 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:117 Resp: 39749

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

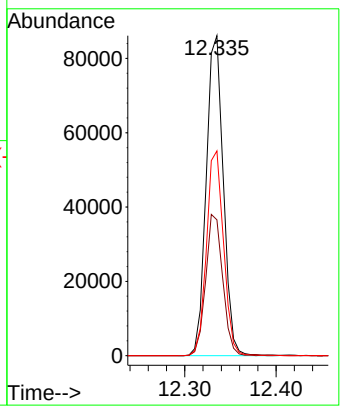




#91
1,2-Dichlorobenzene
Concen: 52.805 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:146 Resp: 11172

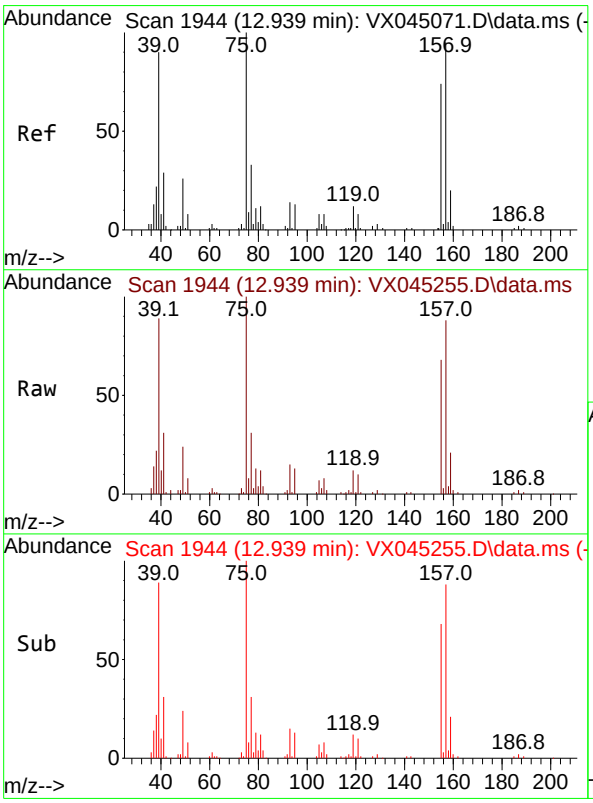
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

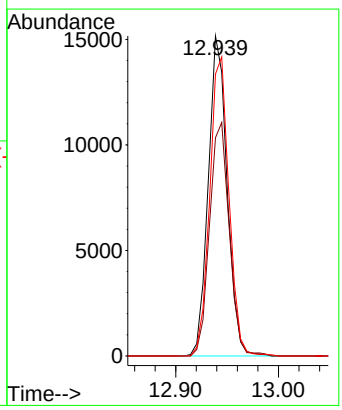
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

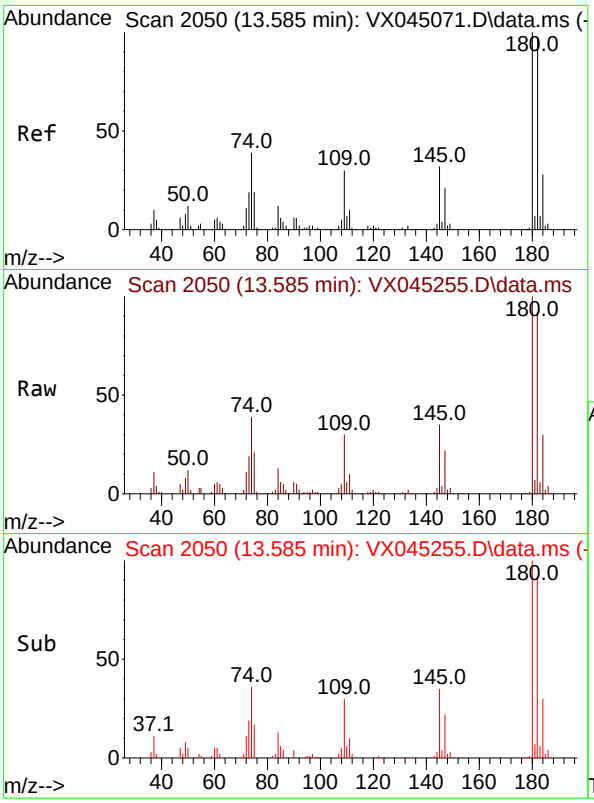


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.028 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 19355

Ion	Ratio	Lower	Upper
75	100		
155	75.9	39.6	118.7
157	95.1	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 54.341 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

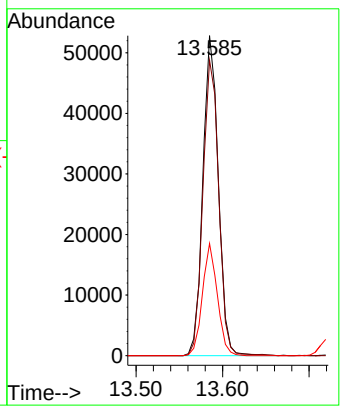
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

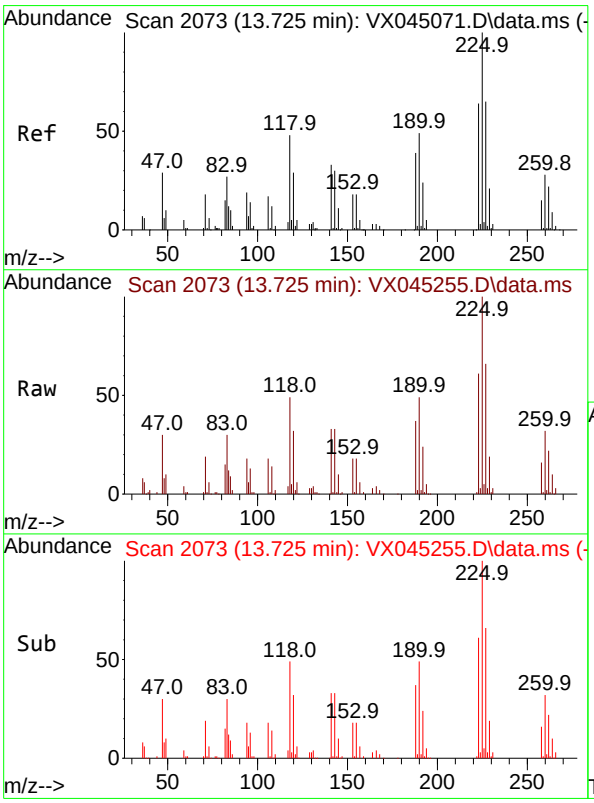
Tgt Ion:180 Resp: 6546

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	33.8	16.3	48.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

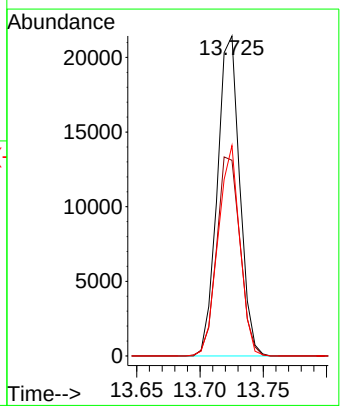


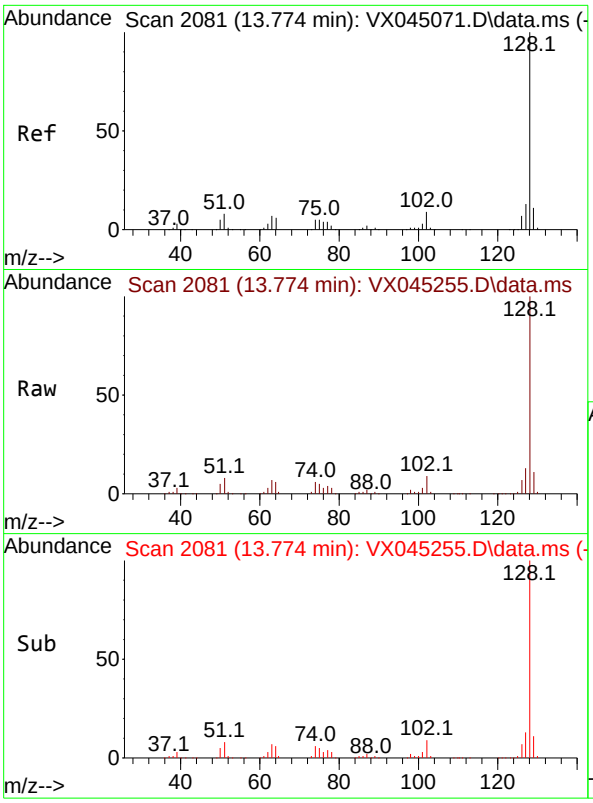


#94
Hexachlorobutadiene
Concen: 53.298 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:225 Resp: 26325

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.9	95.7
227	63.9	31.4	94.0

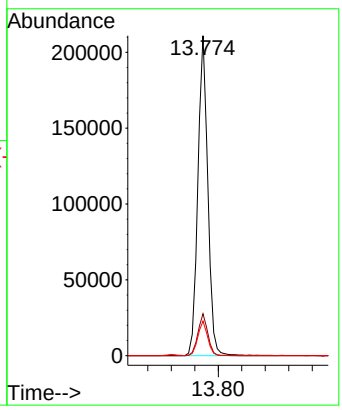




#95
Naphthalene
Concen: 53.582 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:128 Resp: 24801

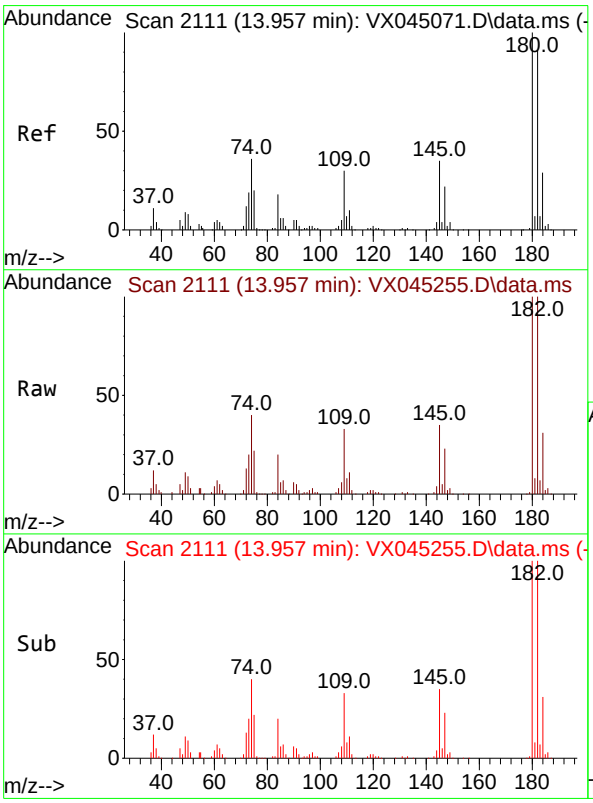
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

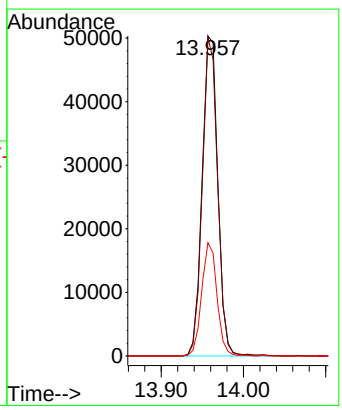
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.474 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:180 Resp: 66692

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	34.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	0.629	0.617	1.9	89	0.00
3	P	Chloromethane	0.770	0.716	7.0	86	0.00
4	C	Vinyl Chloride	0.764	0.685	10.3#	82	0.00
5	T	Bromomethane	0.300	0.303	-1.0	94	0.00
6	T	Chloroethane	0.352	0.378	-7.4	92	0.00
7	T	Trichlorofluoromethane	1.011	1.023	-1.2	88	0.00
8	T	Diethyl Ether	0.396	0.365	7.8	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.634	-9.1	97	0.00
10	T	Methyl Iodide	0.726	0.800	-10.2	94	0.00
11	T	Tert butyl alcohol	0.151	0.125	17.2	85	0.00
12	CM	1,1-Dichloroethene	0.614	0.615	-0.2#	89	0.00
13	T	Acrolein	0.174	0.173	0.6	90	0.00
14	T	Allyl chloride	1.094	1.188	-8.6	97	0.00
15	T	Acrylonitrile	0.404	0.432	-6.9	95	0.00
16	T	Acetone	0.369	0.383	-3.8	98	0.00
17	T	Carbon Disulfide	1.636	1.424	13.0	78	0.00
18	T	Methyl Acetate	0.888	1.055	-18.8	110	0.00
19	T	Methyl tert-butyl Ether	2.061	2.128	-3.3	92	0.00
20	T	Methylene Chloride	0.731	0.732	-0.1	95	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.616	-1.5	88	0.00
22	T	Diisopropyl ether	2.224	2.354	-5.8	93	0.00
23	T	Vinyl Acetate	1.856	1.966	-5.9	90	0.00
24	P	1,1-Dichloroethane	1.247	1.296	-3.9	94	0.00
25	T	2-Butanone	0.555	0.601	-8.3	94	0.00
26	T	2,2-Dichloropropane	0.585	0.845	-44.4#	128	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.770	-2.8	91	0.00
28	T	Bromochloromethane	0.594	0.594	0.0	89	0.00
29	T	Tetrahydrofuran	0.373	0.379	-1.6	92	0.00
30	C	Chloroform	1.239	1.288	-4.0#	94	0.00
31	T	Cyclohexane	1.082	1.095	-1.2	89	0.00
32	T	1,1,1-Trichloroethane	1.000	1.053	-5.3	93	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.851	-7.0	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.334	0.366	-9.6	98	0.00
36	T	1,1-Dichloropropene	0.459	0.477	-3.9	90	0.00
37	T	Ethyl Acetate	0.591	0.624	-5.6	91	0.00
38	T	Carbon Tetrachloride	0.465	0.490	-5.4	93	0.00
39	T	Methylcyclohexane	0.549	0.605	-10.2	91	0.00
40	TM	Benzene	1.448	1.521	-5.0	90	0.00
41	T	Methacrylonitrile	0.319	0.362	-13.5	94	0.00
42	TM	1,2-Dichloroethane	0.521	0.576	-10.6	96	0.00
43	T	Isopropyl Acetate	0.874	0.968	-10.8	92	0.00
44	TM	Trichloroethene	0.340	0.352	-3.5	91	0.00
45	C	1,2-Dichloropropane	0.372	0.384	-3.2#	91	0.00
46	T	Dibromomethane	0.263	0.287	-9.1	94	0.00
47	T	Bromodichloromethane	0.516	0.572	-10.9	96	0.00
48	T	Methyl methacrylate	0.438	0.491	-12.1	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.008	11.1	76	0.00
50	S	Toluene-d8	1.212	1.297	-7.0	95	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.664	-13.1	96	0.00
52	CM	Toluene	0.849	0.928	-9.3#	91	0.00
53	T	t-1,3-Dichloropropene	0.431	0.499	-15.8	94	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.580	-15.3	96	0.00
55	T	1,1,2-Trichloroethane	0.350	0.380	-8.6	94	0.00
56	T	Ethyl methacrylate	0.532	0.604	-13.5	94	0.00
57	T	1,3-Dichloropropane	0.605	0.662	-9.4	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.313	-20.8	97	0.00
59	T	2-Hexanone	0.425	0.480	-12.9	95	0.00
60	T	Dibromochloromethane	0.366	0.410	-12.0	94	0.00
61	T	1,2-Dibromoethane	0.349	0.379	-8.6	94	0.00
62	S	4-Bromofluorobenzene	0.402	0.461	-14.7	101	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.320	0.332	-3.8	93	0.00
65	PM	Chlorobenzene	1.058	1.108	-4.7	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.369	-4.8	94	0.00
67	C	Ethyl Benzene	1.843	2.008	-9.0#	93	0.00
68	T	m/p-Xylenes	0.675	0.740	-9.6	92	0.00
69	T	o-Xylene	0.681	0.741	-8.8	95	0.00
70	T	Styrene	1.101	1.227	-11.4	94	0.00
71	P	Bromoform	0.266	0.284	-6.8	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.903	4.390	-12.5	96	0.00
74	T	N-amyl acetate	1.831	2.053	-12.1	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.462	-2.1	93	0.00
76	T	1,2,3-Trichloropropane	1.164	1.232	-5.8	97	0.00
77	T	Bromobenzene	0.921	0.986	-7.1	95	0.00
78	T	n-propylbenzene	4.409	5.105	-15.8	96	0.00
79	T	2-Chlorotoluene	2.808	3.011	-7.2	95	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.535	-12.0	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.379	-11.5	101	0.00
82	T	4-Chlorotoluene	3.060	3.424	-11.9	95	0.00
83	T	tert-Butylbenzene	3.242	3.572	-10.2	95	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.551	-11.8	95	0.00
85	T	sec-Butylbenzene	3.884	4.510	-16.1	96	0.00
86	T	p-Isopropyltoluene	3.139	3.596	-14.6	95	0.00
87	T	1,3-Dichlorobenzene	1.643	1.759	-7.1	95	0.00
88	T	1,4-Dichlorobenzene	1.662	1.748	-5.2	93	0.00
89	T	n-Butylbenzene	2.703	3.245	-20.1	97	0.00
90	T	Hexachloroethane	0.568	0.619	-9.0	92	0.00
91	T	1,2-Dichlorobenzene	1.648	1.740	-5.6	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.301	-7.9	94	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.020	-8.7	91	0.00
94	T	Hexachlorobutadiene	0.385	0.410	-6.5	94	0.00
95	T	Naphthalene	3.605	3.863	-7.2	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.039	-4.9	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	50.000	48.987	2.0	89	0.00
3	P	Chloromethane	50.000	46.512	7.0	86	0.00
4	C	Vinyl Chloride	50.000	44.851	10.3#	82	0.00
5	T	Bromomethane	50.000	50.415	-0.8	94	0.00
6	T	Chloroethane	50.000	53.667	-7.3	92	0.00
7	T	Trichlorofluoromethane	50.000	50.572	-1.1	88	0.00
8	T	Diethyl Ether	50.000	46.150	7.7	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.554	-9.1	97	0.00
10	T	Methyl Iodide	50.000	55.048	-10.1	94	0.00
11	T	Tert butyl alcohol	250.000	207.664	16.9	85	0.00
12	CM	1,1-Dichloroethene	50.000	50.035	-0.1#	89	0.00
13	T	Acrolein	250.000	248.962	0.4	90	0.00
14	T	Allyl chloride	50.000	54.292	-8.6	97	0.00
15	T	Acrylonitrile	250.000	267.331	-6.9	95	0.00
16	T	Acetone	250.000	259.217	-3.7	98	0.00
17	T	Carbon Disulfide	50.000	43.523	13.0	78	0.00
18	T	Methyl Acetate	50.000	59.434	-18.9	110	0.00
19	T	Methyl tert-butyl Ether	50.000	51.613	-3.2	92	0.00
20	T	Methylene Chloride	50.000	50.063	-0.1	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.727	-1.5	88	0.00
22	T	Diisopropyl ether	50.000	52.928	-5.9	93	0.00
23	T	Vinyl Acetate	250.000	264.740	-5.9	90	0.00
24	P	1,1-Dichloroethane	50.000	51.997	-4.0	94	0.00
25	T	2-Butanone	250.000	270.527	-8.2	94	0.00
26	T	2,2-Dichloropropane	50.000	72.241	-44.5#	128	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.364	-2.7	91	0.00
28	T	Bromochloromethane	50.000	49.953	0.1	89	0.00
29	T	Tetrahydrofuran	250.000	254.157	-1.7	92	0.00
30	C	Chloroform	50.000	52.001	-4.0#	94	0.00
31	T	Cyclohexane	50.000	50.579	-1.2	89	0.00
32	T	1,1,1-Trichloroethane	50.000	52.647	-5.3	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.514	-7.0	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	54.749	-9.5	98	0.00
36	T	1,1-Dichloropropene	50.000	52.005	-4.0	90	0.00
37	T	Ethyl Acetate	50.000	52.776	-5.6	91	0.00
38	T	Carbon Tetrachloride	50.000	52.683	-5.4	93	0.00
39	T	Methylcyclohexane	50.000	55.091	-10.2	91	0.00
40	TM	Benzene	50.000	52.525	-5.0	90	0.00
41	T	Methacrylonitrile	50.000	56.668	-13.3	94	0.00
42	TM	1,2-Dichloroethane	50.000	55.241	-10.5	96	0.00
43	T	Isopropyl Acetate	50.000	55.386	-10.8	92	0.00
44	TM	Trichloroethene	50.000	51.820	-3.6	91	0.00
45	C	1,2-Dichloropropane	50.000	51.601	-3.2#	91	0.00
46	T	Dibromomethane	50.000	54.467	-8.9	94	0.00
47	T	Bromodichloromethane	50.000	55.411	-10.8	96	0.00
48	T	Methyl methacrylate	50.000	55.963	-11.9	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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	877.723	12.2	76	0.00
50	S	Toluene-d8	50.000	53.489	-7.0	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	282.851	-13.1	96	0.00
52	CM	Toluene	50.000	54.592	-9.2#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	57.801	-15.6	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.608	-15.2	96	0.00
55	T	1,1,2-Trichloroethane	50.000	54.326	-8.7	94	0.00
56	T	Ethyl methacrylate	50.000	56.827	-13.7	94	0.00
57	T	1,3-Dichloropropane	50.000	54.666	-9.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	302.223	-20.9	97	0.00
59	T	2-Hexanone	250.000	282.068	-12.8	95	0.00
60	T	Dibromochloromethane	50.000	56.067	-12.1	94	0.00
61	T	1,2-Dibromoethane	50.000	54.317	-8.6	94	0.00
62	S	4-Bromofluorobenzene	50.000	57.417	-14.8	101	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	51.818	-3.6	93	0.00
65	PM	Chlorobenzene	50.000	52.346	-4.7	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.349	-4.7	94	0.00
67	C	Ethyl Benzene	50.000	54.454	-8.9#	93	0.00
68	T	m/p-Xylenes	100.000	109.706	-9.7	92	0.00
69	T	o-Xylene	50.000	54.430	-8.9	95	0.00
70	T	Styrene	50.000	55.697	-11.4	94	0.00
71	P	Bromoform	50.000	53.386	-6.8	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	56.246	-12.5	96	0.00
74	T	N-amyl acetate	50.000	56.043	-12.1	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.034	-2.1	93	0.00
76	T	1,2,3-Trichloropropane	50.000	52.952	-5.9	97	0.00
77	T	Bromobenzene	50.000	53.528	-7.1	95	0.00
78	T	n-propylbenzene	50.000	57.903	-15.8	96	0.00
79	T	2-Chlorotoluene	50.000	53.629	-7.3	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.011	-12.0	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.696	-11.4	101	0.00
82	T	4-Chlorotoluene	50.000	55.942	-11.9	95	0.00
83	T	tert-Butylbenzene	50.000	55.084	-10.2	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.915	-11.8	95	0.00
85	T	sec-Butylbenzene	50.000	58.061	-16.1	96	0.00
86	T	p-Isopropyltoluene	50.000	57.285	-14.6	95	0.00
87	T	1,3-Dichlorobenzene	50.000	53.552	-7.1	95	0.00
88	T	1,4-Dichlorobenzene	50.000	52.597	-5.2	93	0.00
89	T	n-Butylbenzene	50.000	60.015	-20.0	97	0.00
90	T	Hexachloroethane	50.000	54.530	-9.1	92	0.00
91	T	1,2-Dichlorobenzene	50.000	52.805	-5.6	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.028	-8.1	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.341	-8.7	91	0.00
94	T	Hexachlorobutadiene	50.000	53.298	-6.6	94	0.00
95	T	Naphthalene	50.000	53.582	-7.2	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.474	-4.9	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

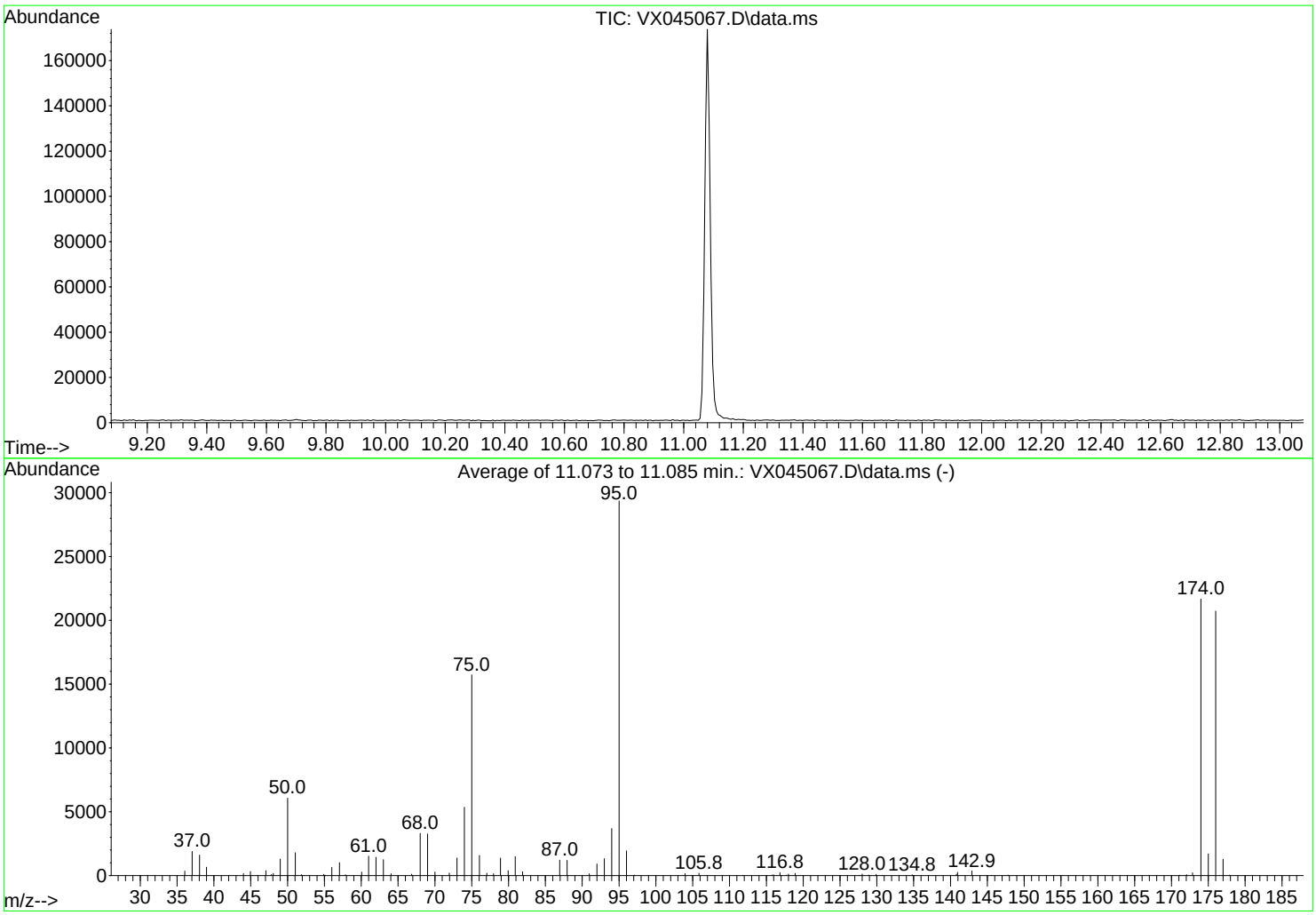
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

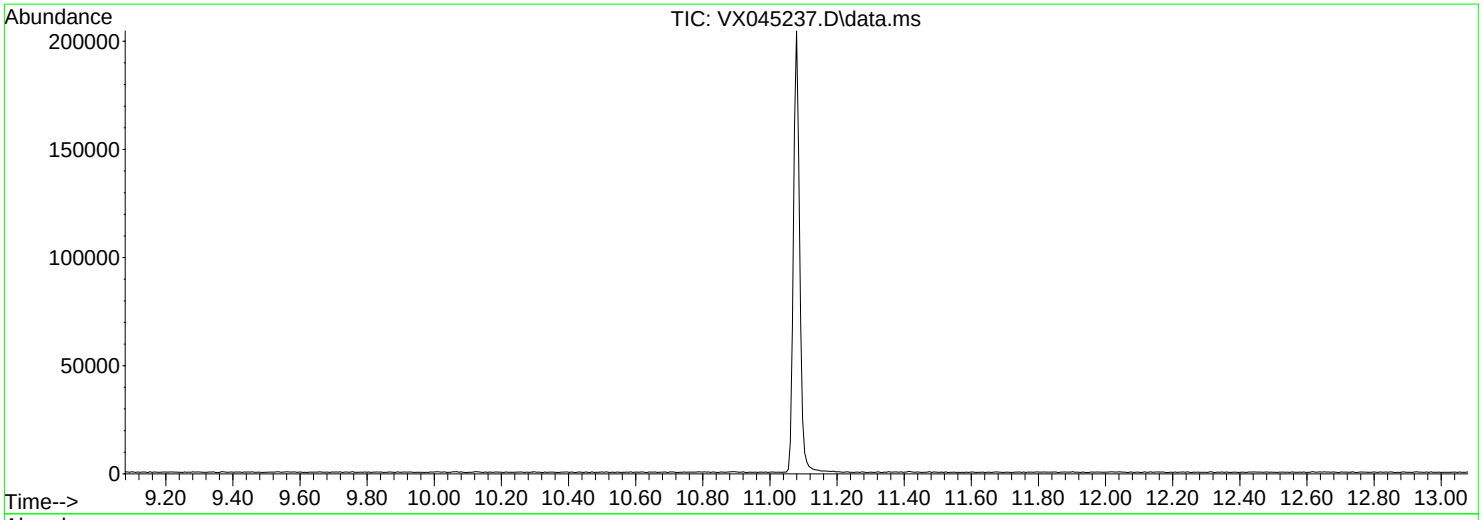
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

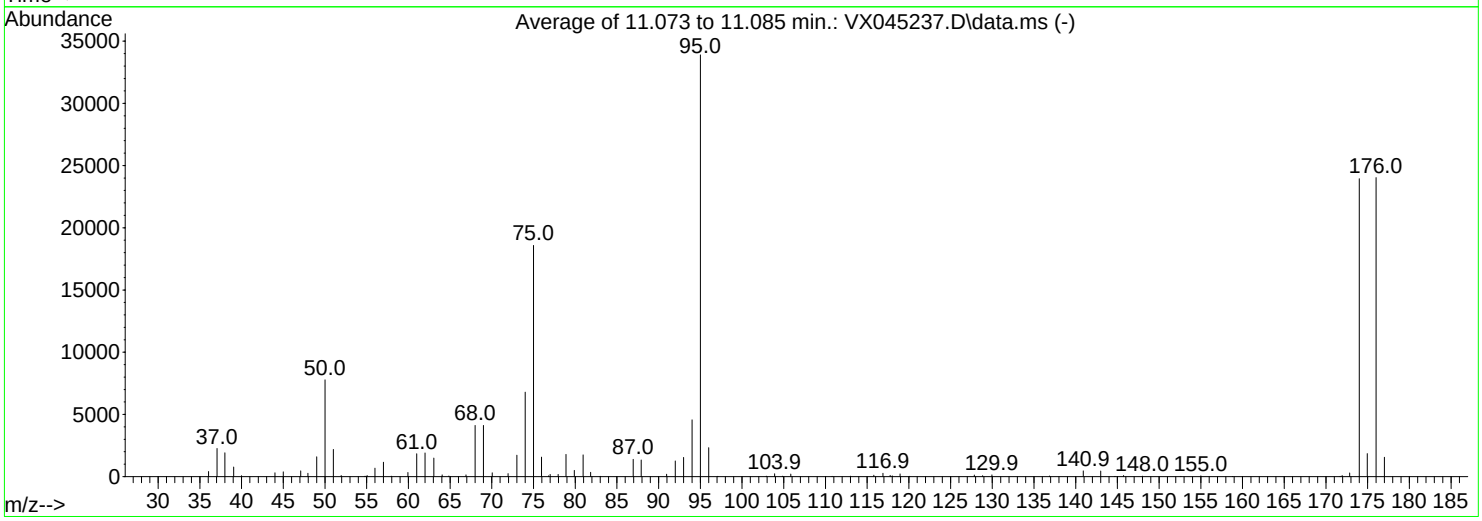
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045237.D
Acq On : 12 Mar 2025 10:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	7782	PASS
75	95	30	60	54.8	18587	PASS
95	95	100	100	100.0	33899	PASS
96	95	5	9	6.9	2327	PASS
173	174	0.00	2	1.2	295	PASS
174	95	50	100	70.6	23949	PASS
175	174	5	9	7.7	1848	PASS
176	174	95	101	100.4	24037	PASS
177	176	5	9	6.5	1560	PASS

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBL01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBL01	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
VX045240.D	1		03/12/25 11:49	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	5.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	5.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.50	U	0.47	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	5.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	5.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	3.80	U	1.50	3.80	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.19	0.50	5.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.75	U	0.20	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	25.0	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBL01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBL01	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
VX045240.D	1		03/12/25 11:49	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	10.0	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	5.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	5.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	0.53	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.20	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	62200	5.55				
540-36-3	1,4-Difluorobenzene	124000	6.757				
3114-55-4	Chlorobenzene-d5	115000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	44000	12.018				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBL01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBL01	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
VX045240.D	1		03/12/25 11:49	VX031225

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\VX031225\
Data File : VX045240.D
Acq On : 12 Mar 2025 11:49
Operator : JC/MD
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Quant Time: Mar 13 01:37:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54194	54.774	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.540%			
35) Dibromofluoromethane	5.385	113	43283	52.197	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.400%			
50) Toluene-d8	8.647	98	155076	51.585	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	11.079	95	50744	50.939	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.880%			

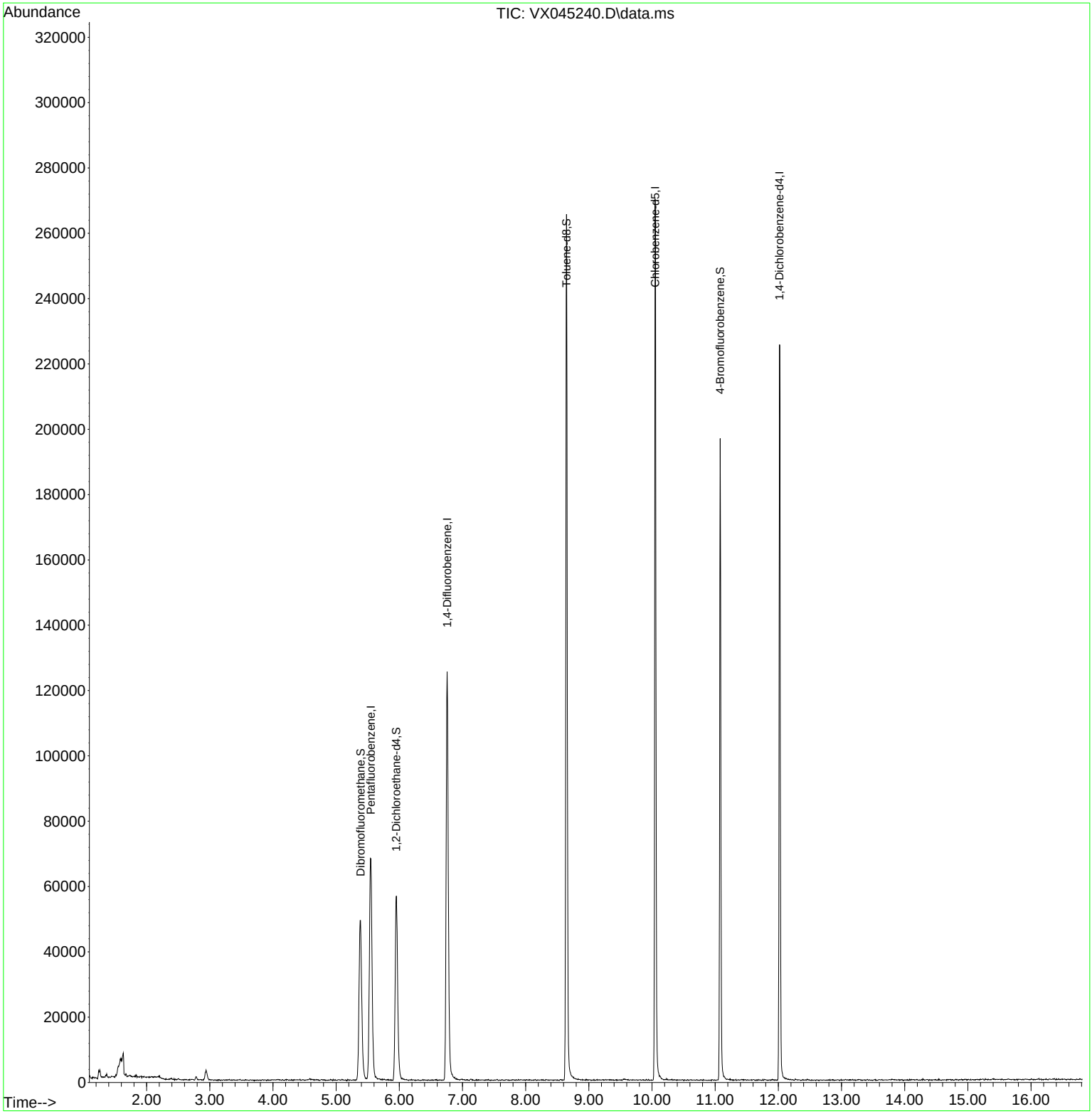
Target Compounds Qvalue

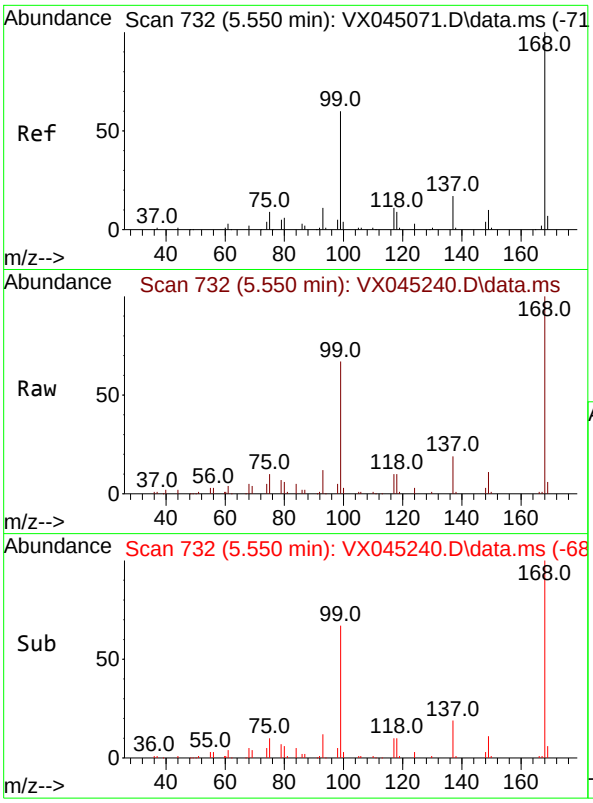
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045240.D
Acq On : 12 Mar 2025 11:49
Operator : JC/MD
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Quant Time: Mar 13 01:37:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



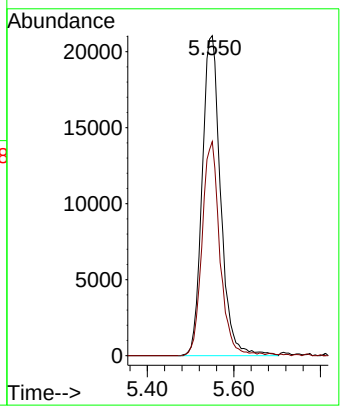


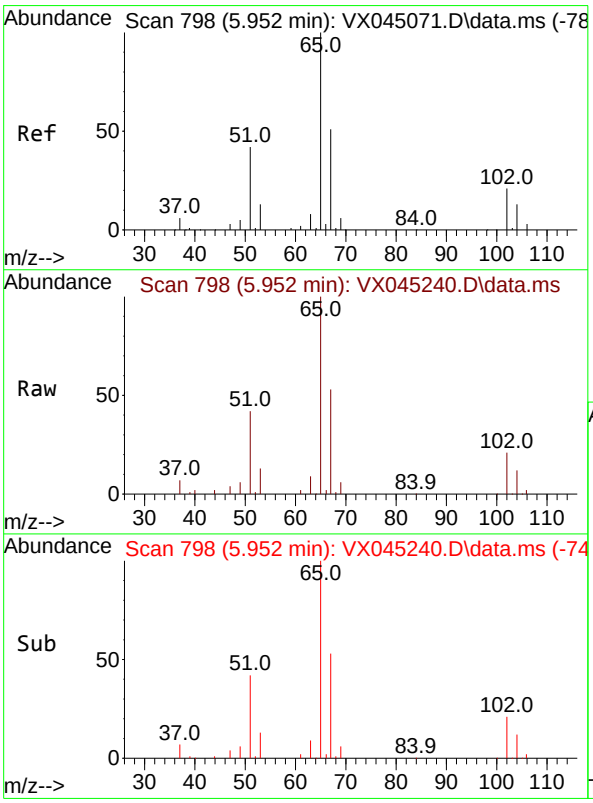
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Tgt Ion:168 Resp: 62202

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

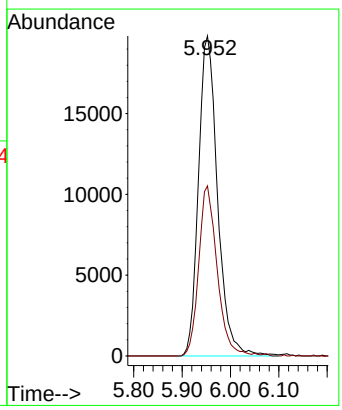


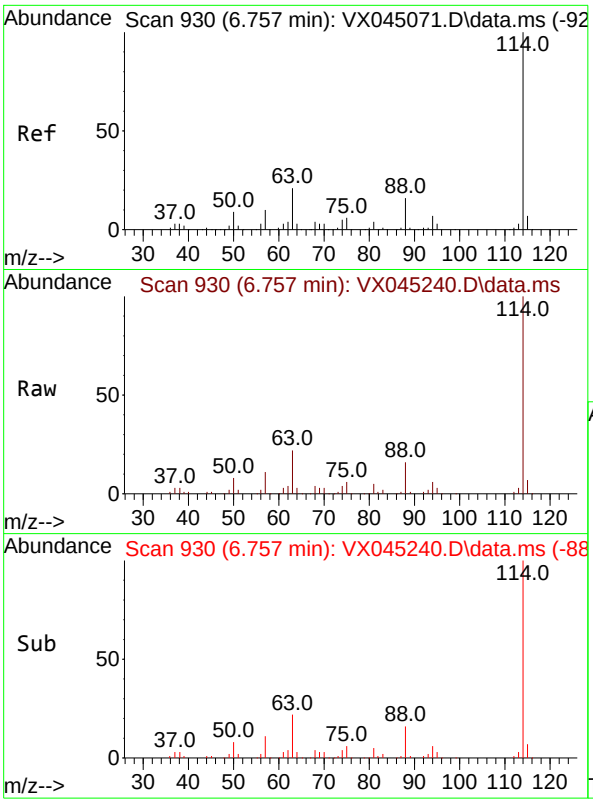


#33
1,2-Dichloroethane-d4
Concen: 54.774 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Tgt Ion: 65 Resp: 54194

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



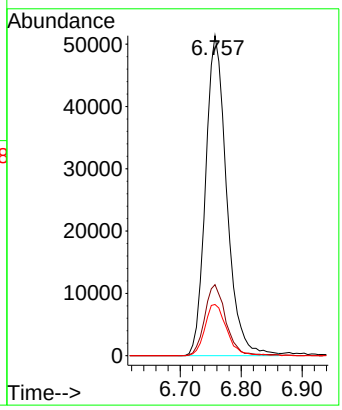


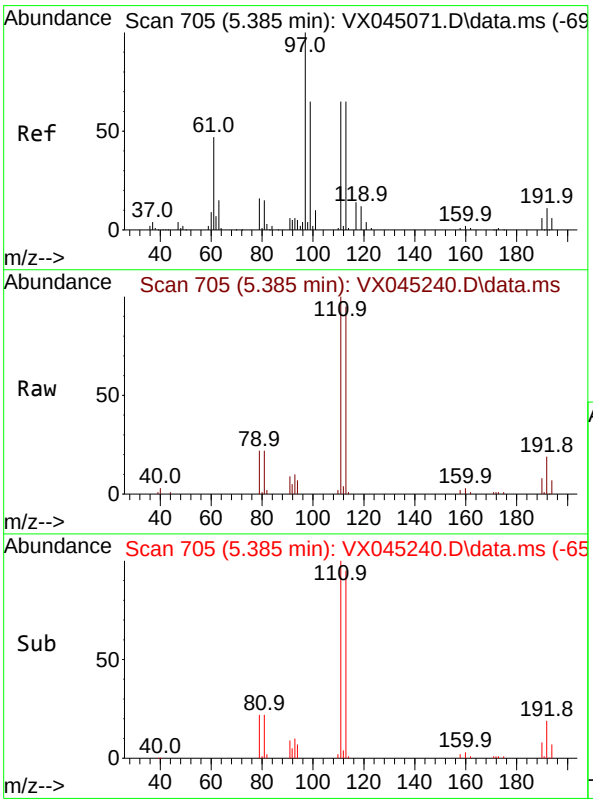
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Tgt Ion:114 Resp: 124010

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.0	0.0	32.8

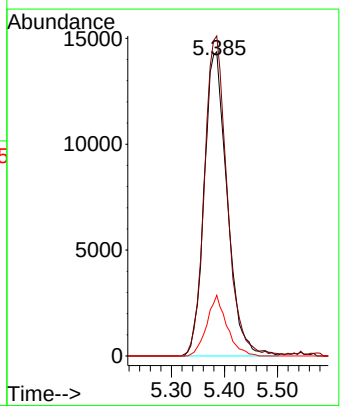


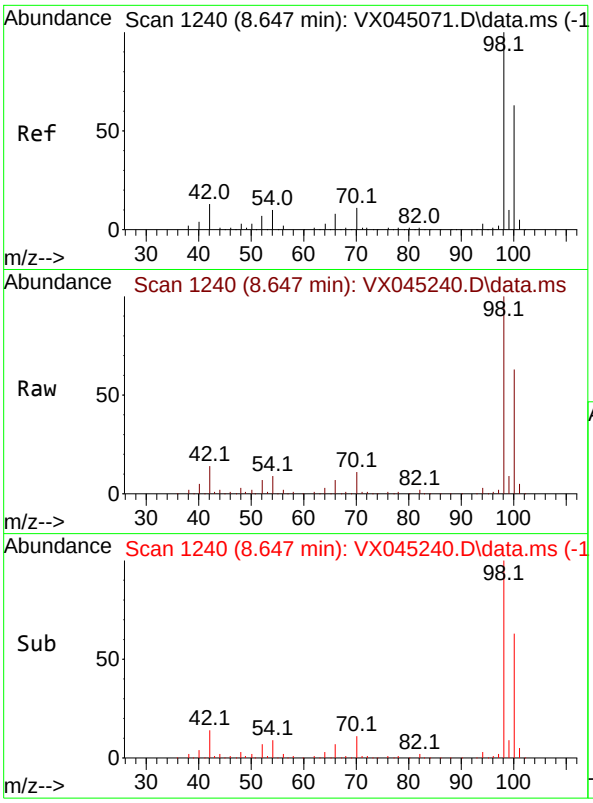


#35
Dibromofluoromethane
Concen: 52.197 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Tgt Ion:113 Resp: 43283

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.4	14.3	21.5



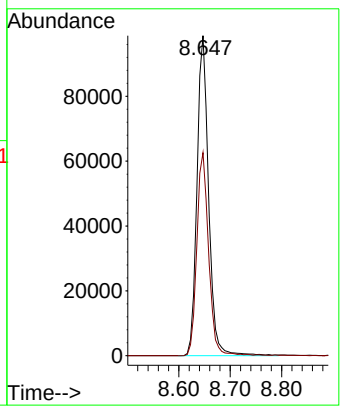


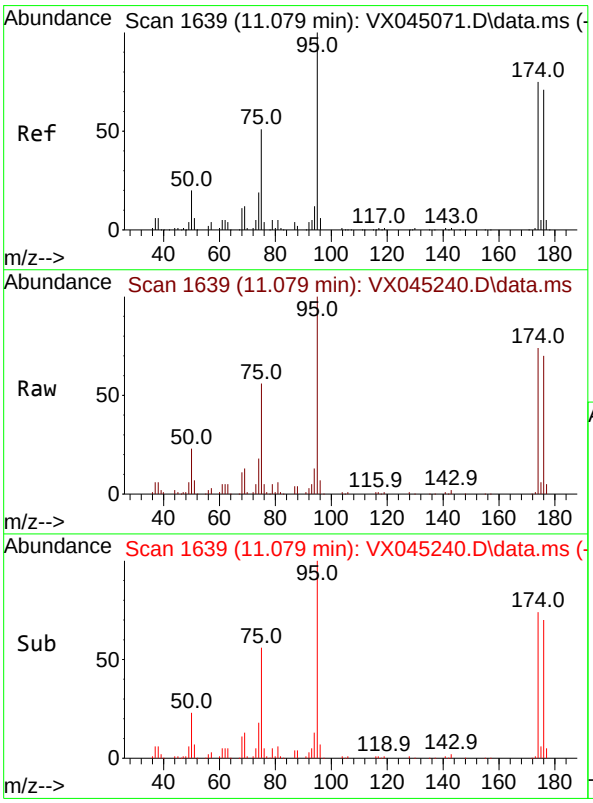
#50
Toluene-d8
Concen: 51.585 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Tgt Ion: 98 Resp: 155076

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

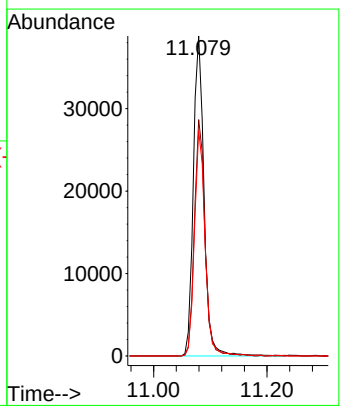


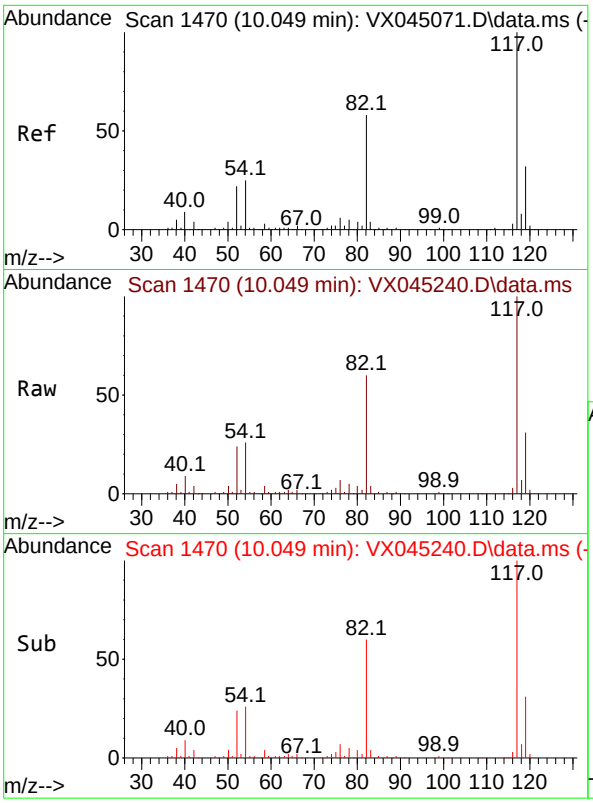


#62
4-Bromofluorobenzene
Concen: 50.939 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Tgt Ion: 95 Resp: 50744

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	70.1	0.0	141.4



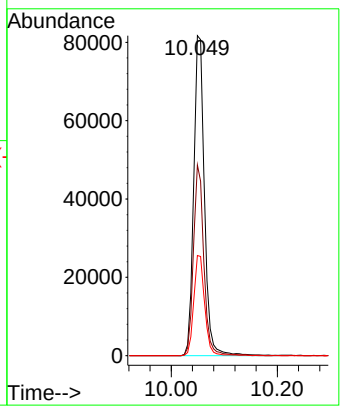


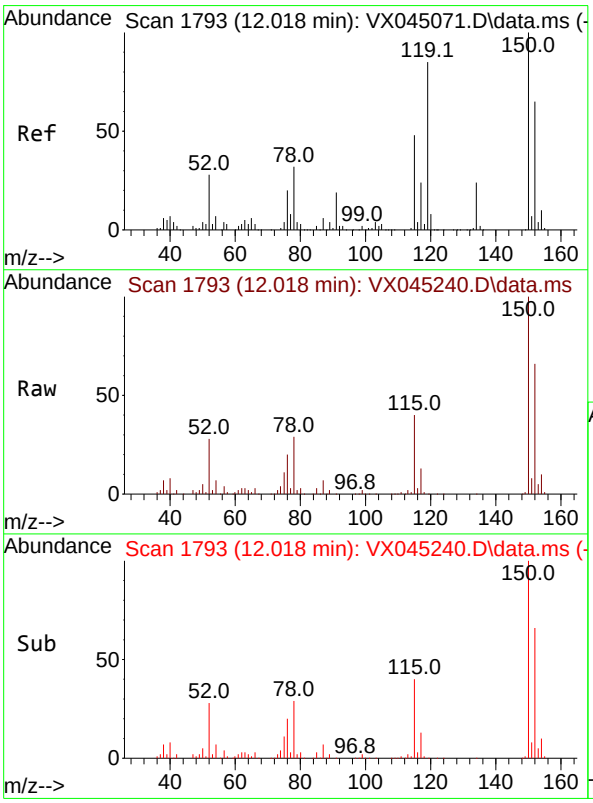
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Tgt Ion:117 Resp: 114608

Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.3	69.5
119	31.3	25.7	38.5

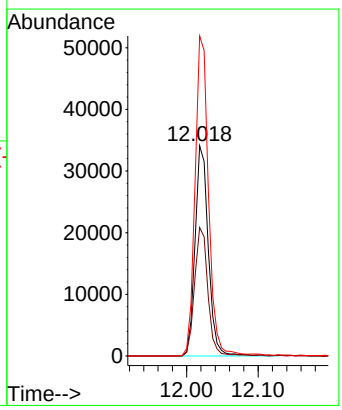




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045240.D
Acq: 12 Mar 2025 11:49

Tgt Ion:152 Resp: 43950

Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.2	132.6
150	153.8	0.0	349.0



Sample Results: **VX045240.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045240.D
Acq On : 12 Mar 2025 11:49
Operator : JC/MD
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

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\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045240.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.593	71	83	86	rBV4	5295	18909	4.47%	0.872%
2	1.630	86	89	92	rVB3	6560	8524	2.01%	0.393%
3	2.941	297	304	312	rBV	3123	7473	1.77%	0.345%
4	5.379	694	704	718	rBV	48902	145716	34.43%	6.717%
5	5.544	721	731	744	rBV	67522	194448	45.94%	8.964%
6	5.952	789	798	811	rBV2	56507	153266	36.21%	7.066%
7	6.757	921	930	948	rBV	125077	303085	71.61%	13.972%
8	8.647	1233	1240	1253	rBV	265139	423248	100.00%	19.512%
9	10.049	1465	1470	1481	rBV	269762	371680	87.82%	17.134%
10	11.079	1634	1639	1655	rBV	196314	253918	59.99%	11.706%
11	12.018	1788	1793	1805	rBV	225242	288945	68.27%	13.320%

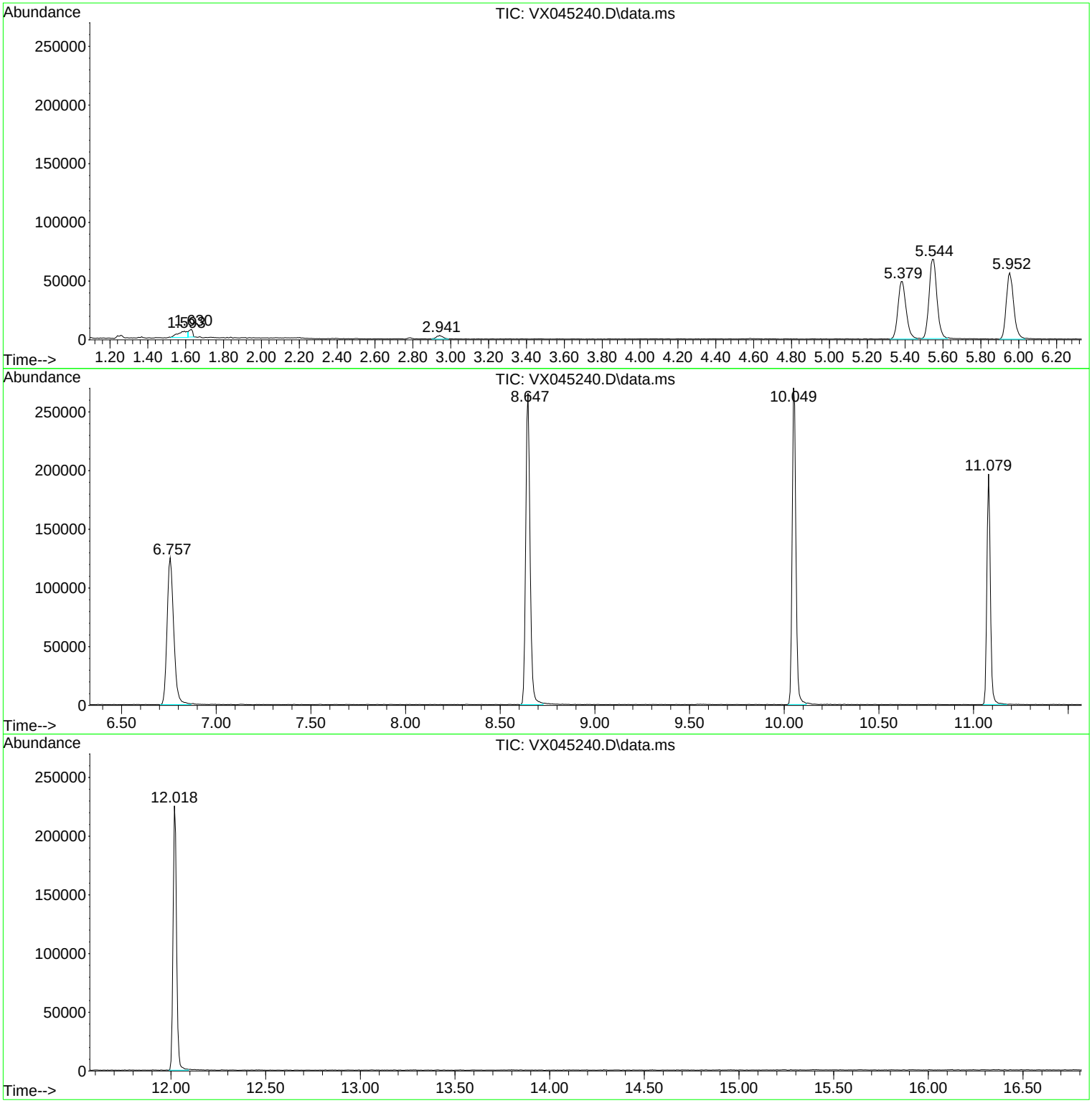
Sum of corrected areas: 2169212

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045240.D
Acq On : 12 Mar 2025 11:49
Operator : JC/MD
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045240.D
Acq On : 12 Mar 2025 11:49
Operator : JC/MD
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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\VX031225\
Data File : VX045240.D
Acq On : 12 Mar 2025 11:49
Operator : JC/MD
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBS01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBS01	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
VX045241.D	1		03/12/25 12:12	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.1		0.22	0.50	5.00	ug/L
74-87-3	Chloromethane	16.9		0.32	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	0.75	5.00	ug/L
74-83-9	Bromomethane	18.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.33	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.23	0.75	5.00	ug/L
67-64-1	Acetone	92.6		1.50	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	15.9		0.21	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.5		0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	22.5		0.27	0.75	5.00	ug/L
75-09-2	Methylene Chloride	18.0		0.28	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.23	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	18.7		1.50	3.80	5.00	ug/L
78-93-3	2-Butanone	98.6		0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.19	0.50	5.00	ug/L
74-97-5	Bromochloromethane	20.0		0.22	0.50	5.00	ug/L
67-66-3	Chloroform	19.2		0.25	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.20	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.16	0.50	5.00	ug/L
71-43-2	Benzene	19.1		0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	18.8		0.20	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.22	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	2.50	25.0	ug/L
108-88-3	Toluene	19.1		0.14	0.50	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:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBS01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBS01	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
VX045241.D	1		03/12/25 12:12	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	19.3		0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	18.9		0.12	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.13	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.24	1.00	10.0	ug/L
95-47-6	o-Xylene	19.3		0.12	0.50	5.00	ug/L
100-42-5	Styrene	19.9		0.15	0.50	5.00	ug/L
75-25-2	Bromoform	18.7		0.19	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.12	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.26	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.19	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		0.53	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.2		0.20	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.20	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	98900	5.55				
540-36-3	1,4-Difluorobenzene	180000	6.757				
3114-55-4	Chlorobenzene-d5	159000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	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:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBS01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBS01	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
VX045241.D	1		03/12/25 12:12	VX031225

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\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	98902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78615	49.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.940%			
35) Dibromofluoromethane	5.379	113	59526	49.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	8.647	98	214144	49.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	11.079	95	73892	51.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	22558	18.120	ug/l	98
3) Chloromethane	1.307	50	25788	16.926	ug/l	99
4) Vinyl Chloride	1.374	62	25137	16.632	ug/l	92
5) Bromomethane	1.593	94	10983	18.485	ug/l	100
6) Chloroethane	1.666	64	14242	20.429	ug/l	94
7) Trichlorofluoromethane	1.874	101	36585	18.285	ug/l	99
8) Diethyl Ether	2.136	74	13153	16.807	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	23030	20.035	ug/l	97
10) Methyl Iodide	2.441	142	27447	19.107	ug/l	98
11) Tert butyl alcohol	2.977	59	22117	74.222	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22320	18.366	ug/l	91
13) Acrolein	2.233	56	23690	68.774	ug/l	98
14) Allyl chloride	2.654	41	42489	19.641	ug/l	99
15) Acrylonitrile	3.062	53	78136	97.837	ug/l	99
16) Acetone	2.386	43	67625	92.649	ug/l	100
17) Carbon Disulfide	2.502	76	51337	15.860	ug/l	96
18) Methyl Acetate	2.703	43	39448	22.466	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	75455	18.506	ug/l	98
20) Methylene Chloride	2.782	84	26001	17.983	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	22429	18.681	ug/l	98
22) Diisopropyl ether	3.763	45	84834	19.282	ug/l	93
23) Vinyl Acetate	3.721	43	348243	94.851	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46680	18.932	ug/l	99
25) 2-Butanone	4.562	43	108378	98.643	ug/l	96
26) 2,2-Dichloropropane	4.471	77	30120	26.043	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	28232	19.048	ug/l	95
28) Bromochloromethane	4.897	49	23474	19.974	ug/l	99
29) Tetrahydrofuran	5.007	42	68625	93.010	ug/l	99
30) Chloroform	5.093	83	47027	19.195	ug/l	99
31) Cyclohexane	5.464	56	40022	18.699	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	37701	19.053	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29816	18.110	ug/l	99
37) Ethyl Acetate	4.721	43	40509	19.095	ug/l	98
38) Carbon Tetrachloride	5.666	117	31995	19.142	ug/l #	92
39) Methylcyclohexane	7.379	83	38421	19.476	ug/l	98
40) Benzene	6.031	78	99047	19.052	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22260	19.406	ug/l		96
42) 1,2-Dichloroethane	6.086	62	36830	19.673	ug/l		100
43) Isopropyl Acetate	6.342	43	60047	19.142	ug/l		99
44) Trichloroethene	7.123	130	22370	18.325	ug/l		94
45) 1,2-Dichloropropane	7.427	63	25113	18.788	ug/l		98
46) Dibromomethane	7.580	93	18062	19.118	ug/l		97
47) Bromodichloromethane	7.818	83	35299	19.048	ug/l		99
48) Methyl methacrylate	7.690	41	30413	19.325	ug/l		98
49) 1,4-Dioxane	7.665	88	11019	331.922	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	215751	102.431	ug/l		99
52) Toluene	8.714	92	58249	19.097	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	29973	19.347	ug/l		92
54) cis-1,3-Dichloropropene	8.366	75	34975	19.360	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	24358	19.398	ug/l		98
56) Ethyl methacrylate	9.116	69	36793	19.276	ug/l		96
57) 1,3-Dichloropropane	9.305	76	42461	19.539	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	89841	96.488	ug/l		99
59) 2-Hexanone	9.427	43	155057	101.603	ug/l		99
60) Dibromochloromethane	9.519	129	25313	19.279	ug/l		97
61) 1,2-Dibromoethane	9.610	107	24731	19.728	ug/l		97
64) Tetrachloroethene	9.269	164	19436	19.107	ug/l		96
65) Chlorobenzene	10.079	112	63463	18.884	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20865	18.643	ug/l		97
67) Ethyl Benzene	10.189	91	113155	19.324	ug/l		98
68) m/p-Xylenes	10.299	106	84300	39.325	ug/l		99
69) o-Xylene	10.640	106	41642	19.261	ug/l		99
70) Styrene	10.652	104	69744	19.937	ug/l		99
71) Bromoform	10.799	173	15762	18.676	ug/l	#	97
73) Isopropylbenzene	10.963	105	108190	19.957	ug/l		99
74) N-amyl acetate	10.841	43	48327	18.998	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	38206	19.205	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	31567m	19.527	ug/l		
77) Bromobenzene	11.195	156	24518	19.169	ug/l		97
78) n-propylbenzene	11.299	91	123926	20.237	ug/l		100
79) 2-Chlorotoluene	11.360	91	75797	19.435	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	88673	20.229	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8638	18.286	ug/l		87
82) 4-Chlorotoluene	11.451	91	85173	20.038	ug/l		99
83) tert-Butylbenzene	11.713	119	89721	19.921	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87493	19.837	ug/l		98
85) sec-Butylbenzene	11.890	105	113167	20.976	ug/l		98
86) p-Isopropyltoluene	12.006	119	88190	20.228	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	44480	19.494	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	43569	18.873	ug/l		98
89) n-Butylbenzene	12.329	91	74688	19.890	ug/l		99
90) Hexachloroethane	12.536	117	14797	18.764	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	44119	19.275	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7343	18.947	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	23769	18.237	ug/l		99
94) Hexachlorobutadiene	13.725	225	10292	19.261	ug/l		98
95) Naphthalene	13.774	128	92143	18.401	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25800	18.764	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

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

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

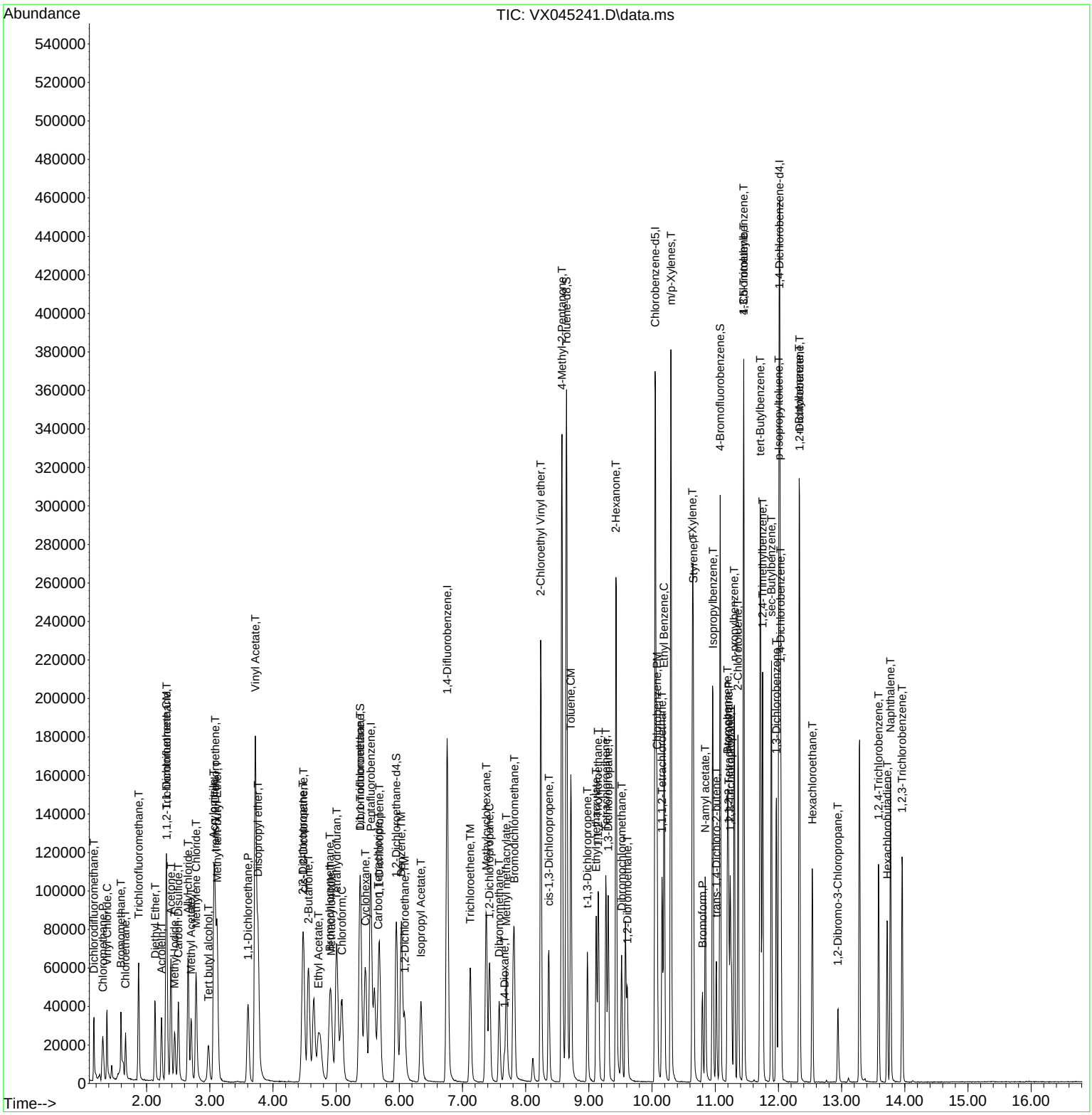
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

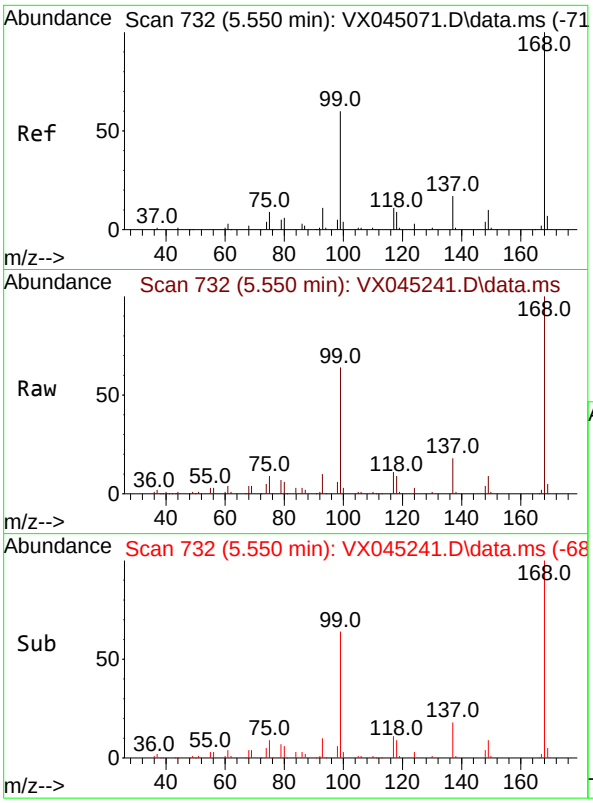
Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

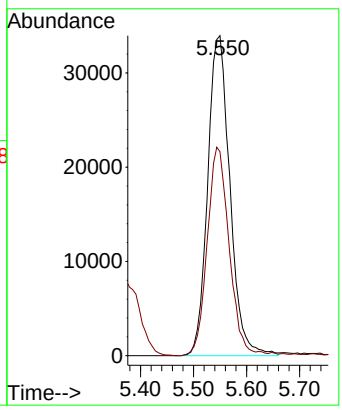




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:168 Resp: 9890

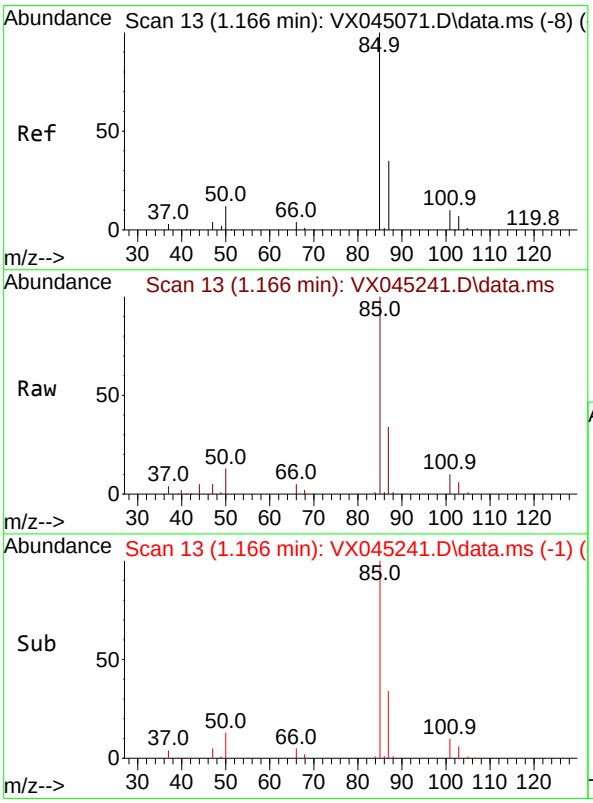
Ion	Ratio	Lower	Upper
168	100		
99	63.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

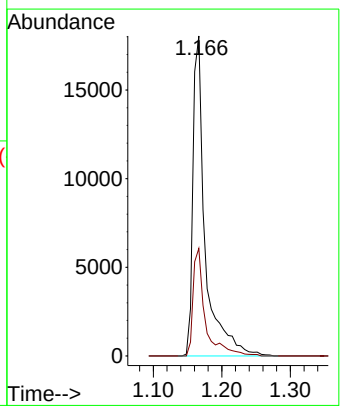
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

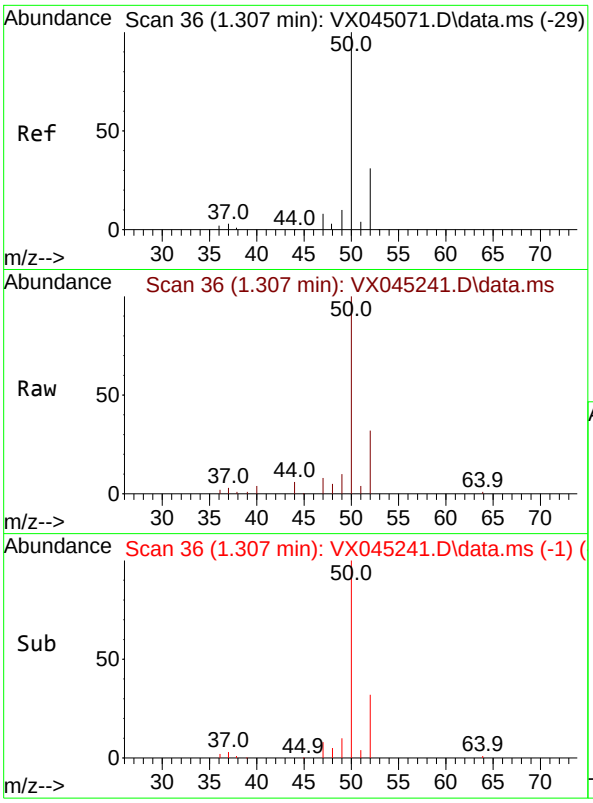


#2
Dichlorodifluoromethane
Concen: 18.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 85 Resp: 22558

Ion	Ratio	Lower	Upper
85	100		
87	33.6	17.4	52.3

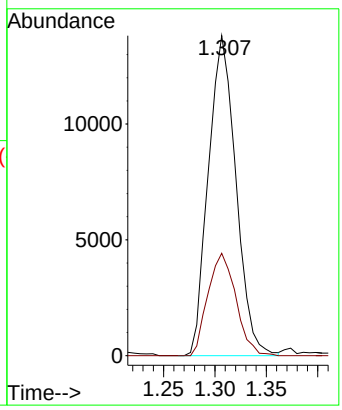




#3
Chloromethane
Concen: 16.926 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 50 Resp: 2578

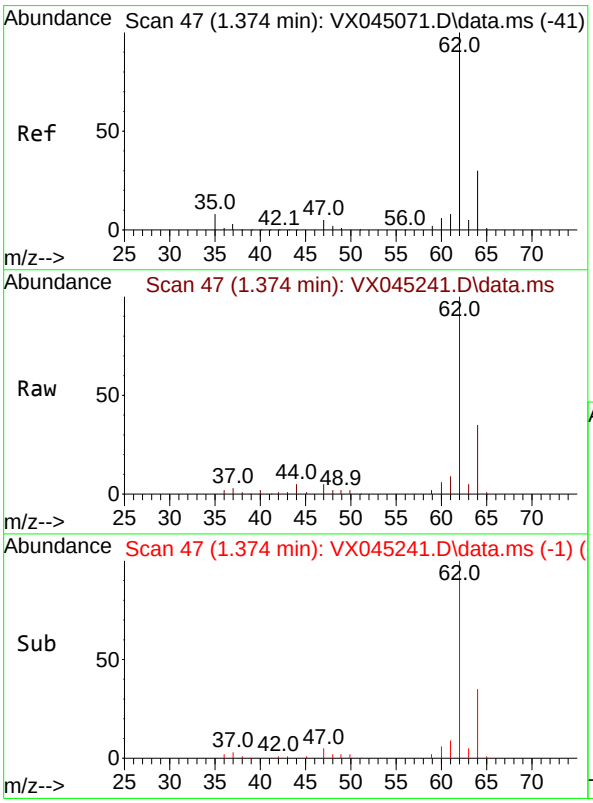
Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

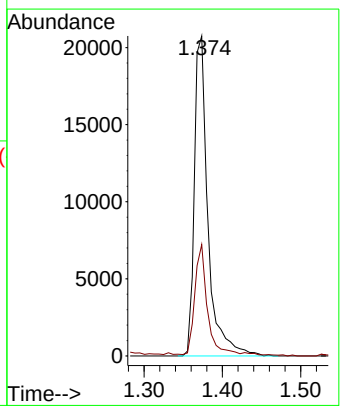
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

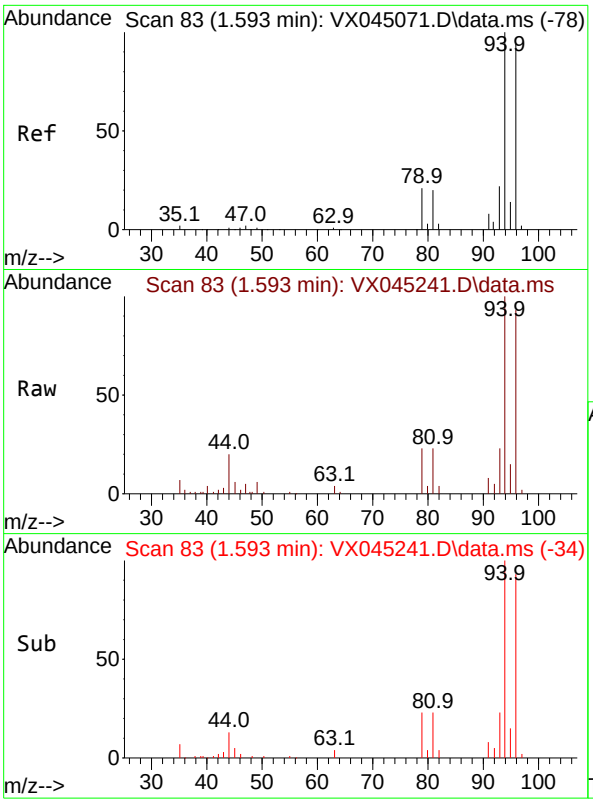


#4
Vinyl Chloride
Concen: 16.632 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 62 Resp: 25137

Ion	Ratio	Lower	Upper
62	100		
64	34.5	24.3	36.5

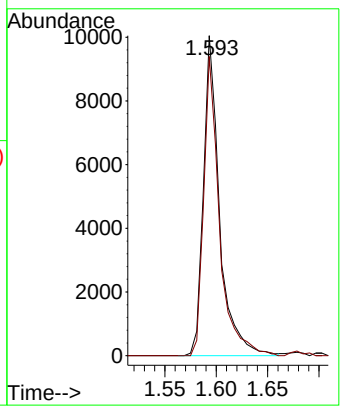




#5
Bromomethane
Concen: 18.485 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 94 Resp: 1098

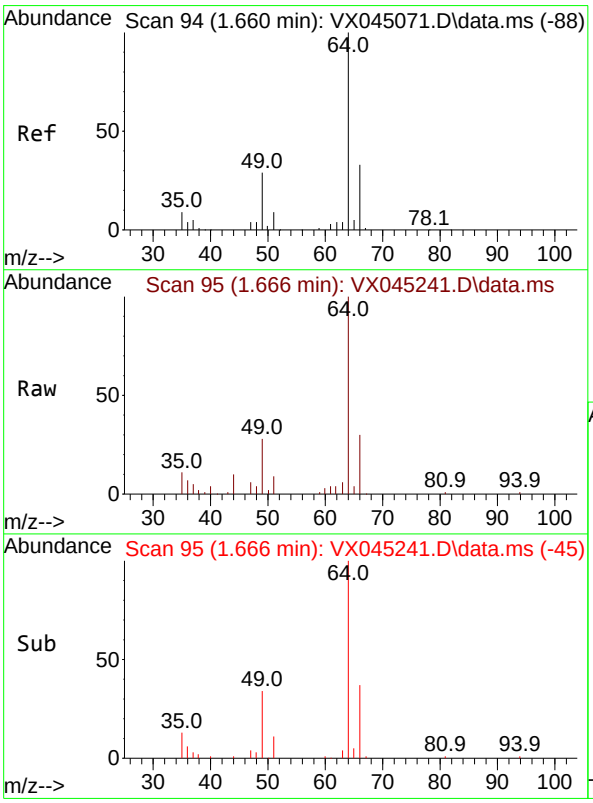
Ion	Ratio	Lower	Upper
94	100		
96	93.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

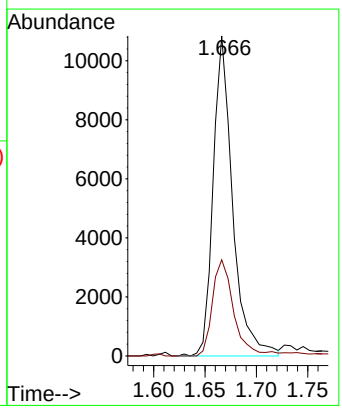
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

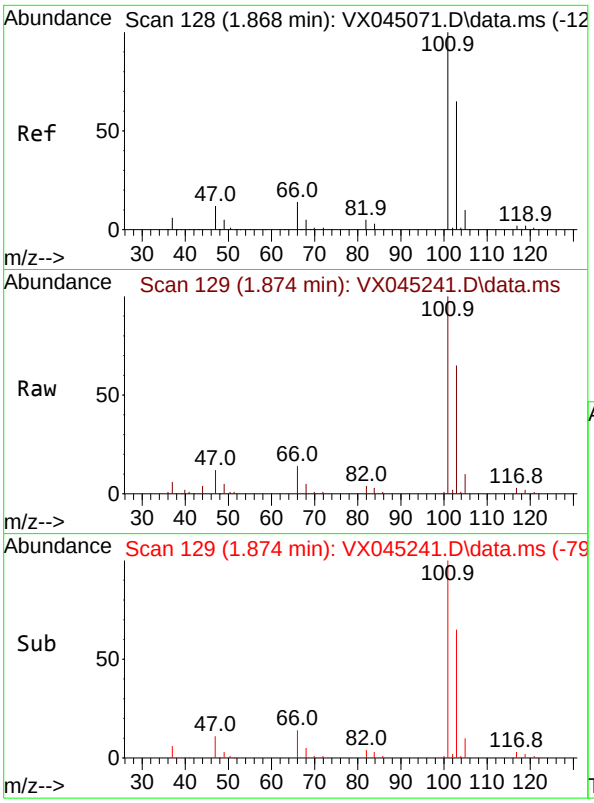


#6
Chloroethane
Concen: 20.429 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 64 Resp: 14242

Ion	Ratio	Lower	Upper
64	100		
66	30.0	26.7	40.1

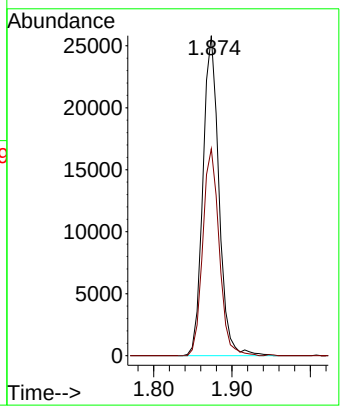




#7
Trichlorofluoromethane
Concen: 18.285 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:101 Resp: 3658

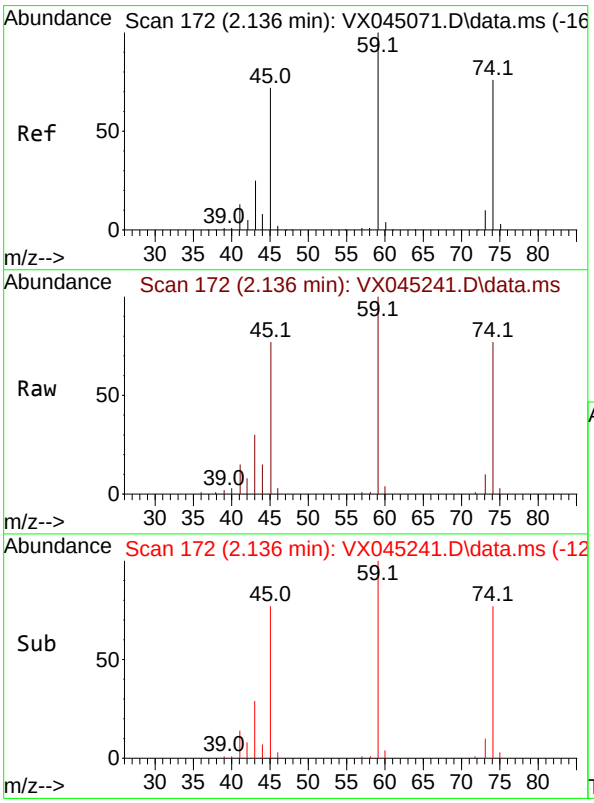
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

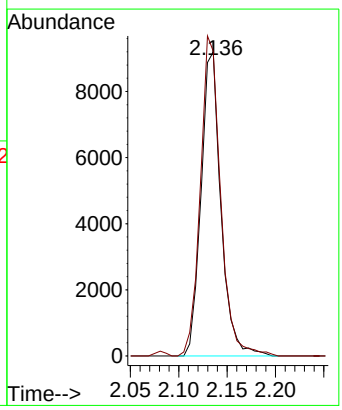
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

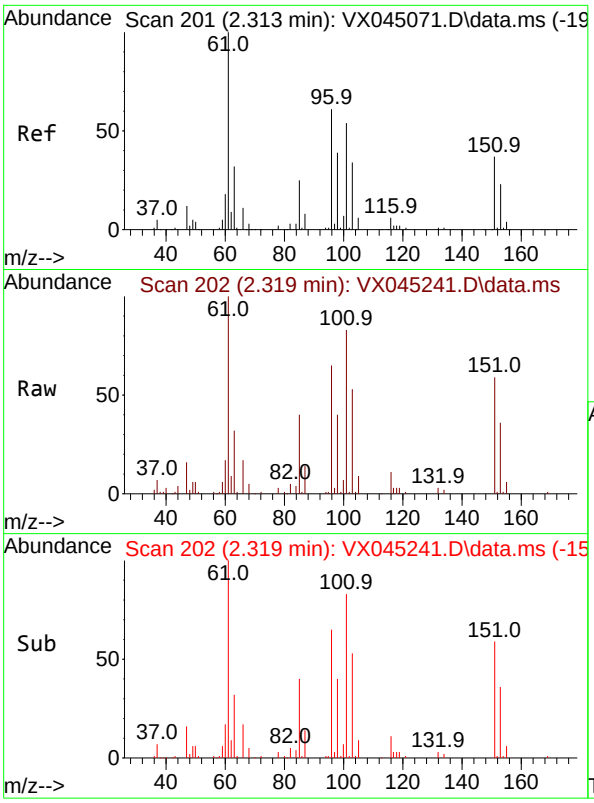


#8
Diethyl Ether
Concen: 16.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 74 Resp: 13153

Ion	Ratio	Lower	Upper
74	100		
45	107.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.035 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

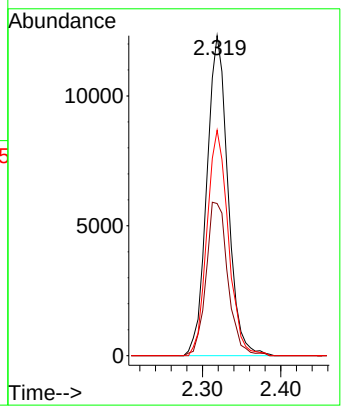
Tgt Ion:101 Resp: 2303

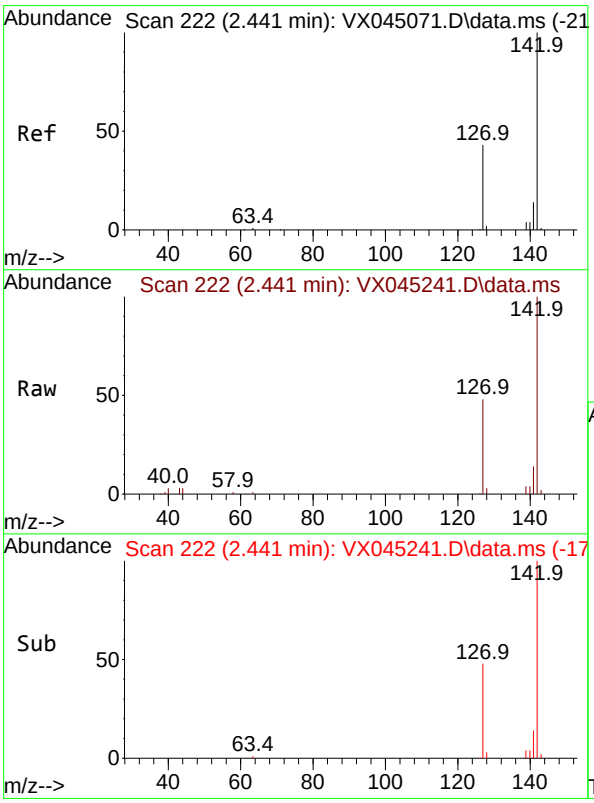
Ion	Ratio	Lower	Upper
101	100		
85	49.4	36.2	54.4
151	71.3	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

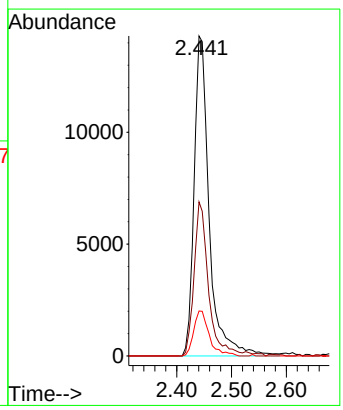


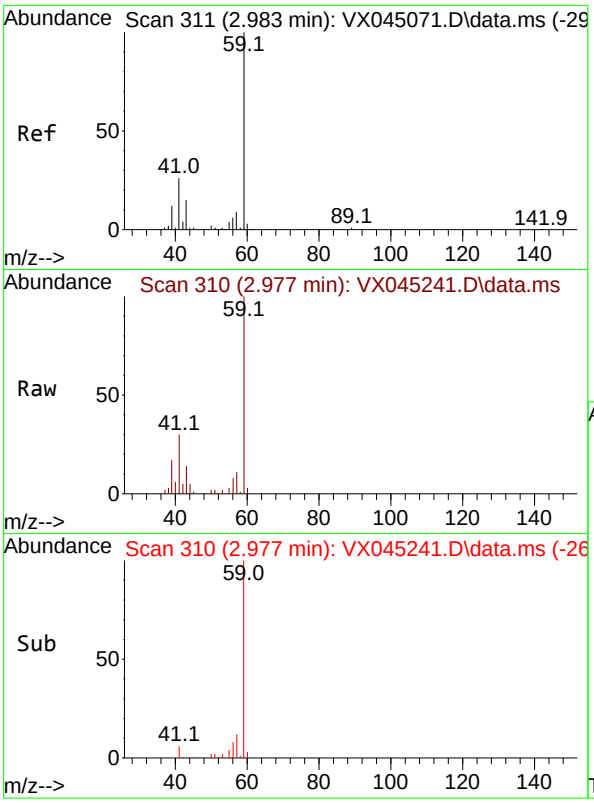


#10
Methyl Iodide
Concen: 19.107 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:142 Resp: 27447

Ion	Ratio	Lower	Upper
142	100		
127	45.9	35.4	53.2
141	14.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 74.222 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

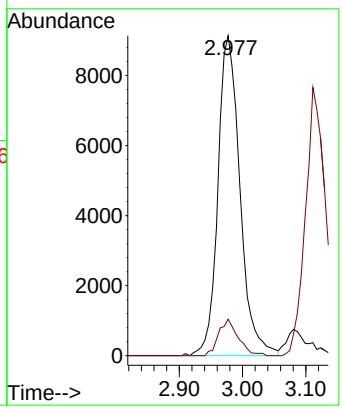
Tgt Ion: 59 Resp: 2211

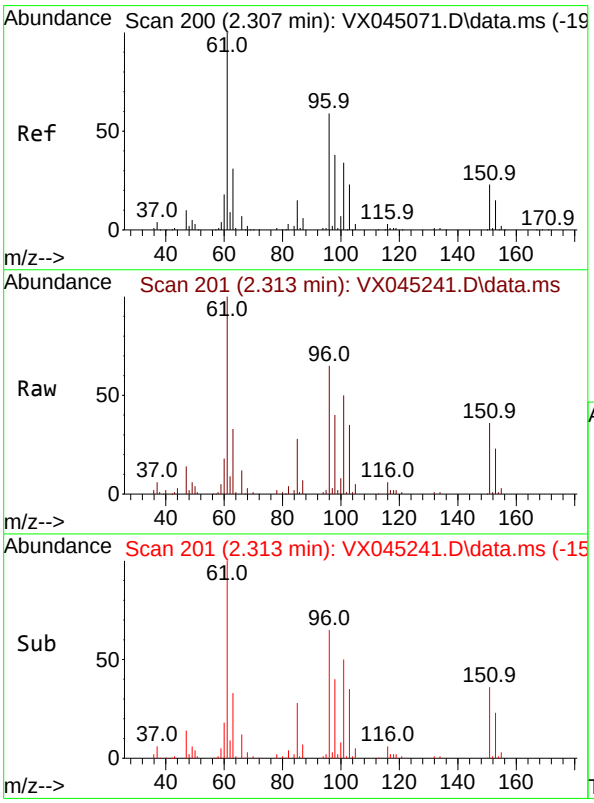
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

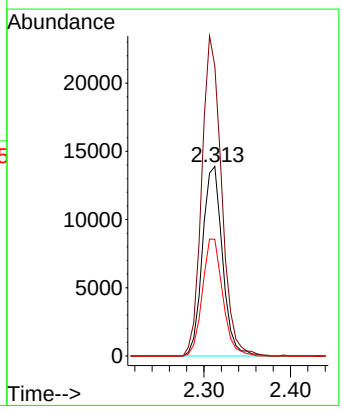


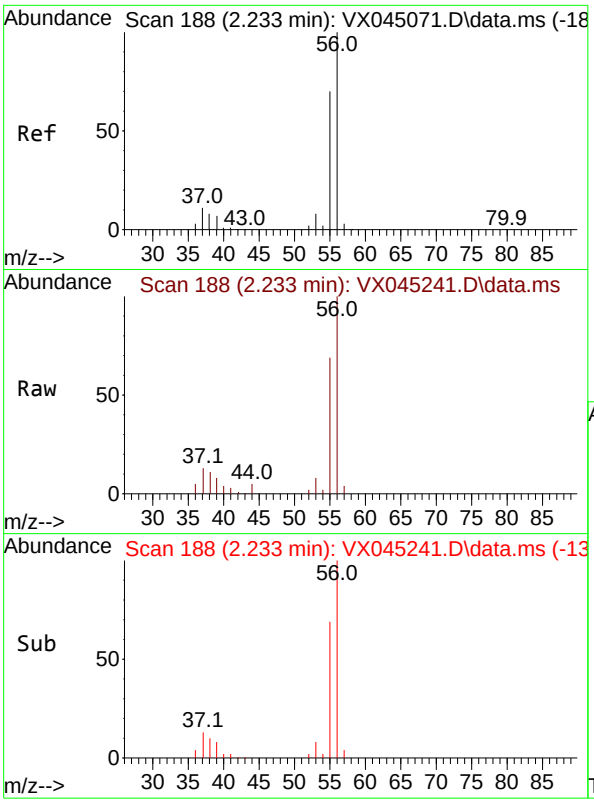


#12
1,1-Dichloroethene
Concen: 18.366 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 96 Resp: 22320

Ion	Ratio	Lower	Upper
96	100		
61	152.9	134.6	202.0
98	61.5	51.0	76.6

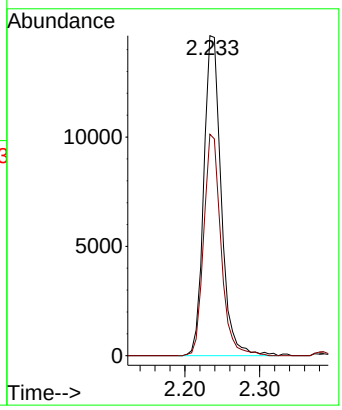




#13
Acrolein
Concen: 68.774 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 56 Resp: 2369

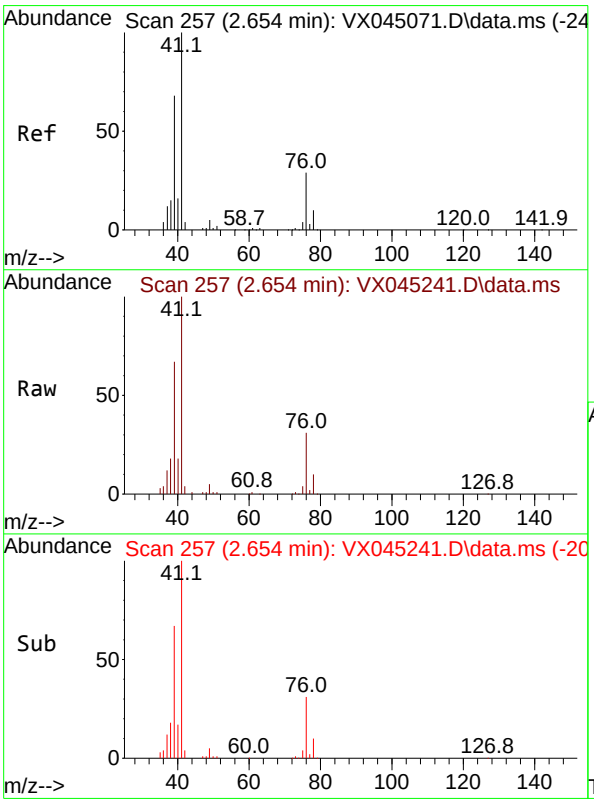
Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

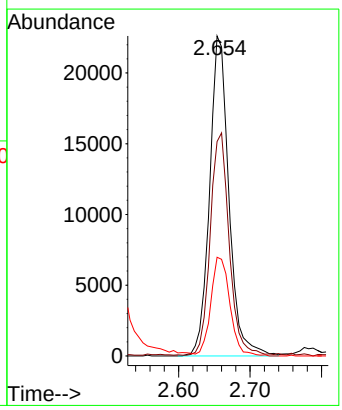
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

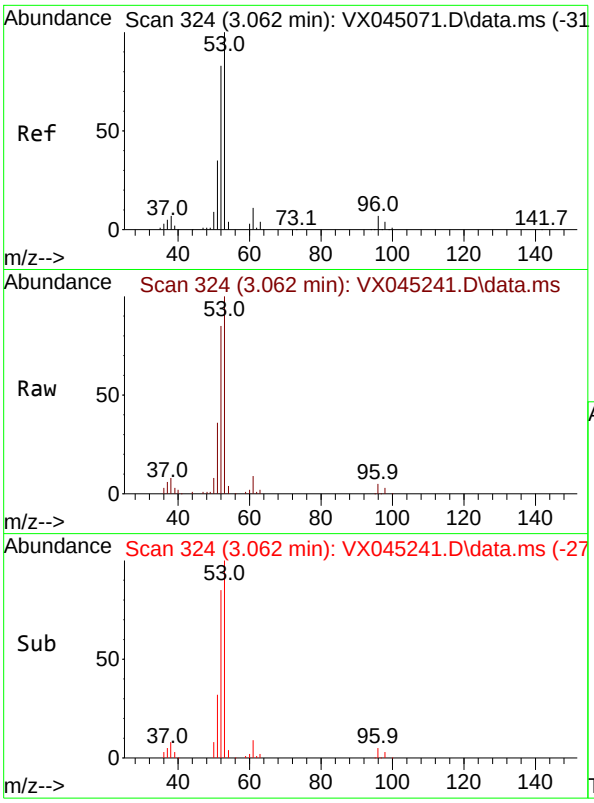


#14
Allyl chloride
Concen: 19.641 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 41 Resp: 42489

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	30.4	25.2	37.8

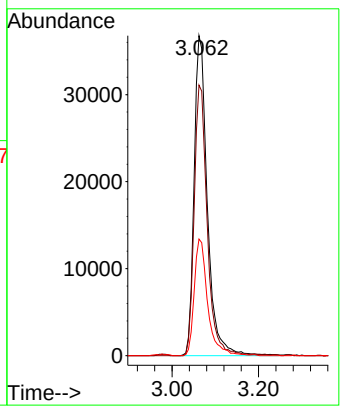




#15
Acrylonitrile
Concen: 97.837 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 53 Resp: 7813

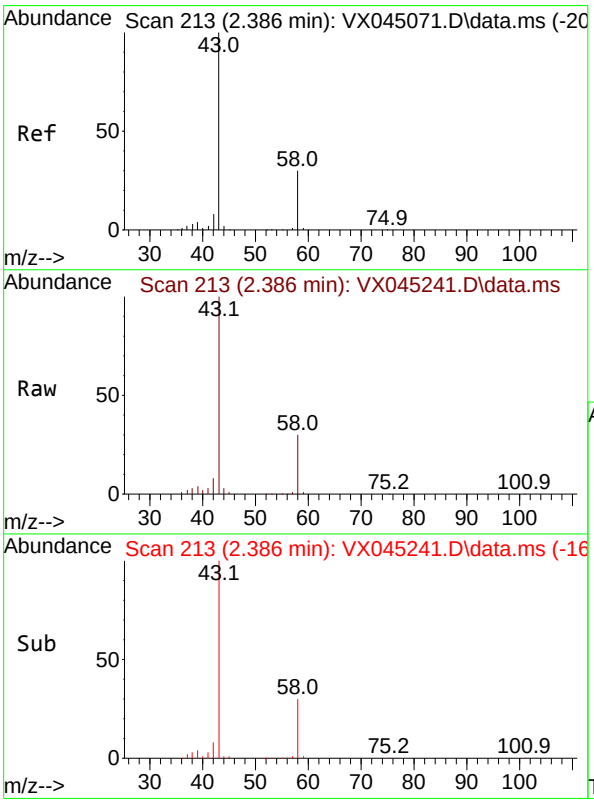
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

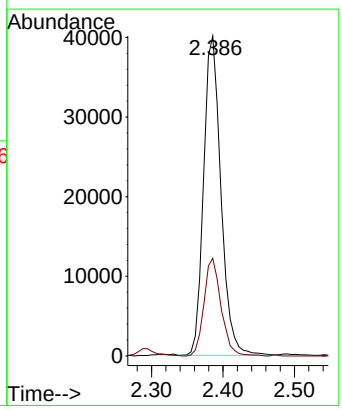
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

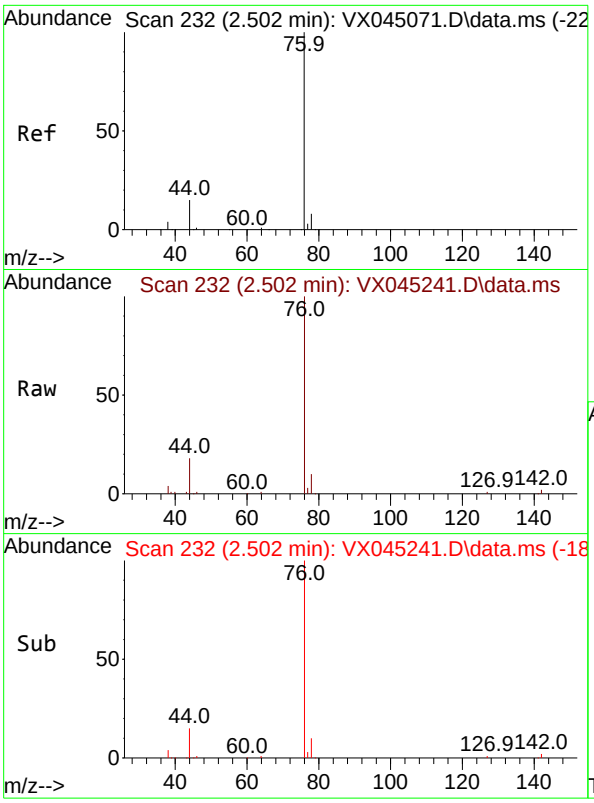


#16
Acetone
Concen: 92.649 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 67625

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4

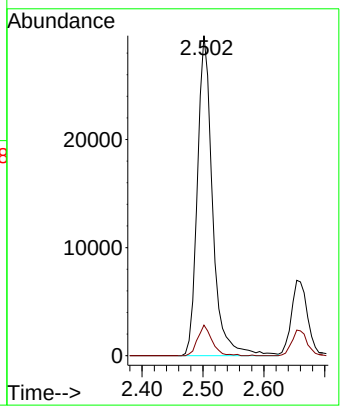




#17
Carbon Disulfide
Concen: 15.860 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 76 Resp: 5133

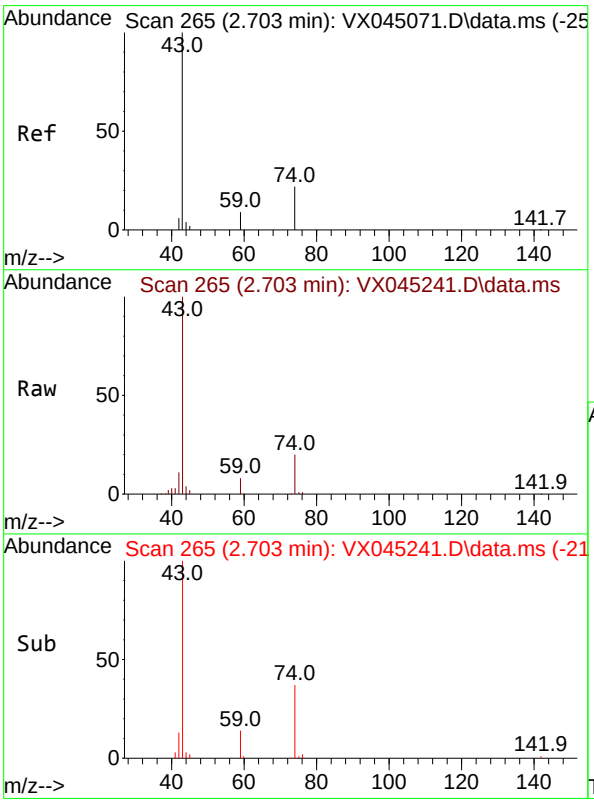
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

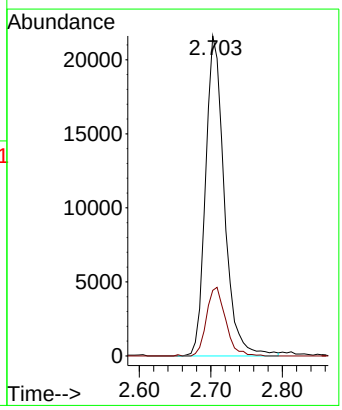
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

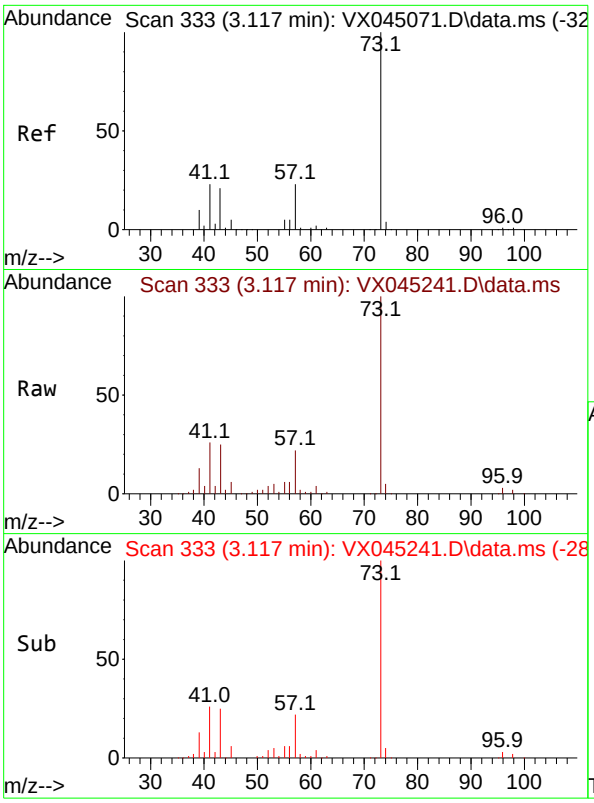


#18
Methyl Acetate
Concen: 22.466 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 39448

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

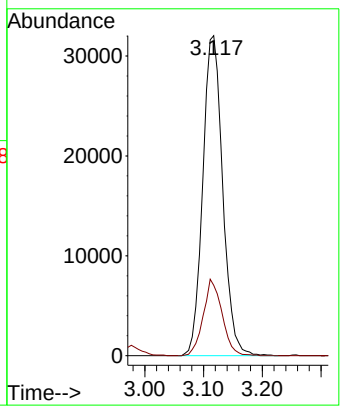




#19
Methyl tert-butyl Ether
Concen: 18.506 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 73 Resp: 7545

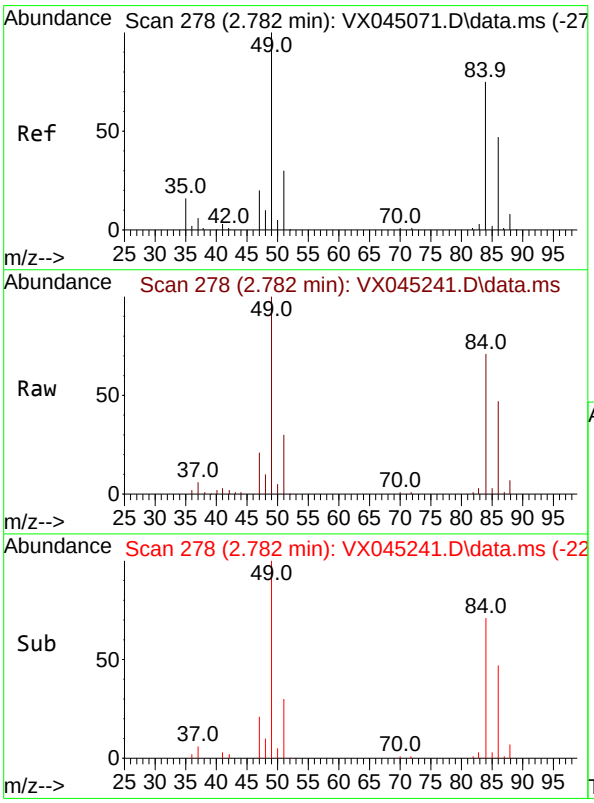
Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

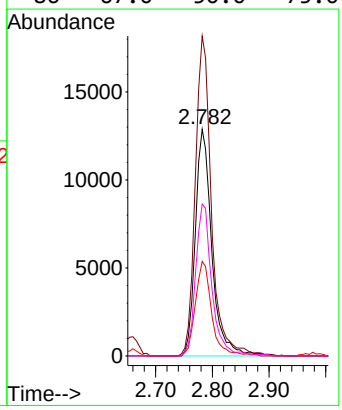
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

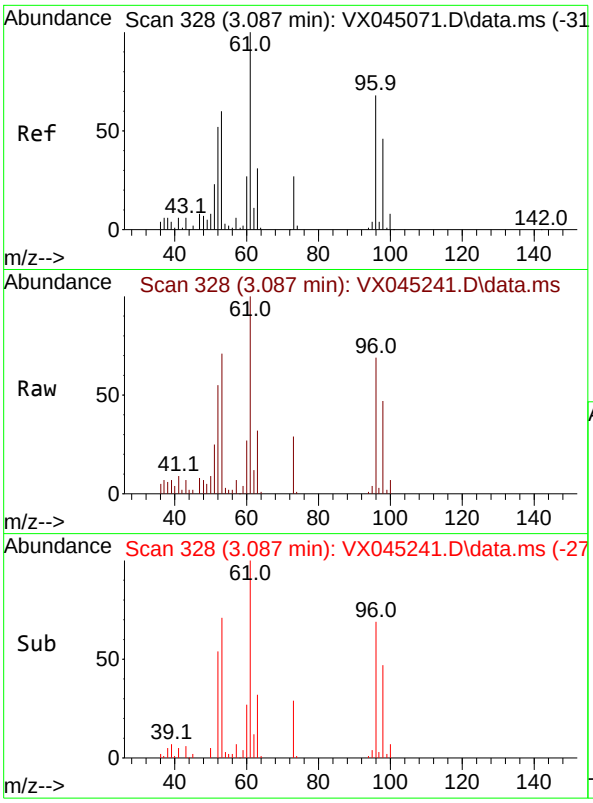


#20
Methylene Chloride
Concen: 17.983 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 84 Resp: 26001

Ion	Ratio	Lower	Upper
84	100		
49	141.1	106.5	159.7
51	41.7	32.1	48.1
86	67.0	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.681 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

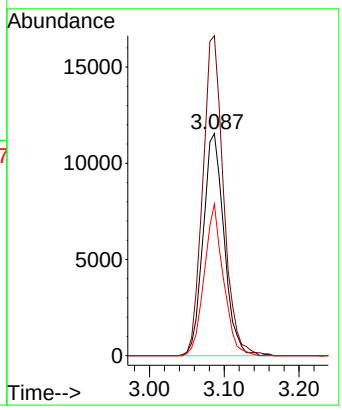
Tgt Ion: 96 Resp: 2242

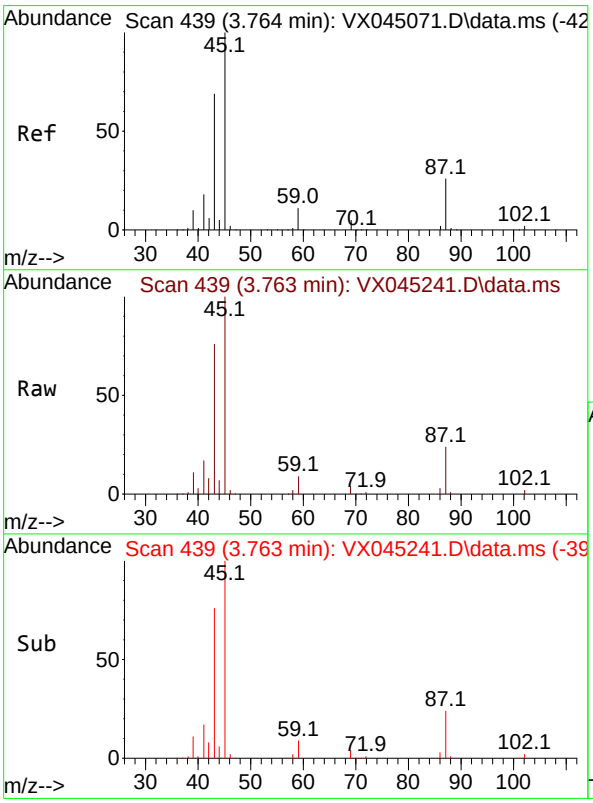
Ion	Ratio	Lower	Upper
96	100		
61	144.0	117.0	175.4
98	68.3	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

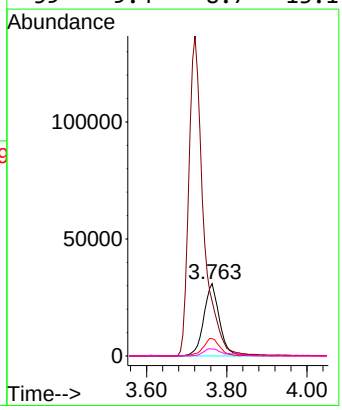


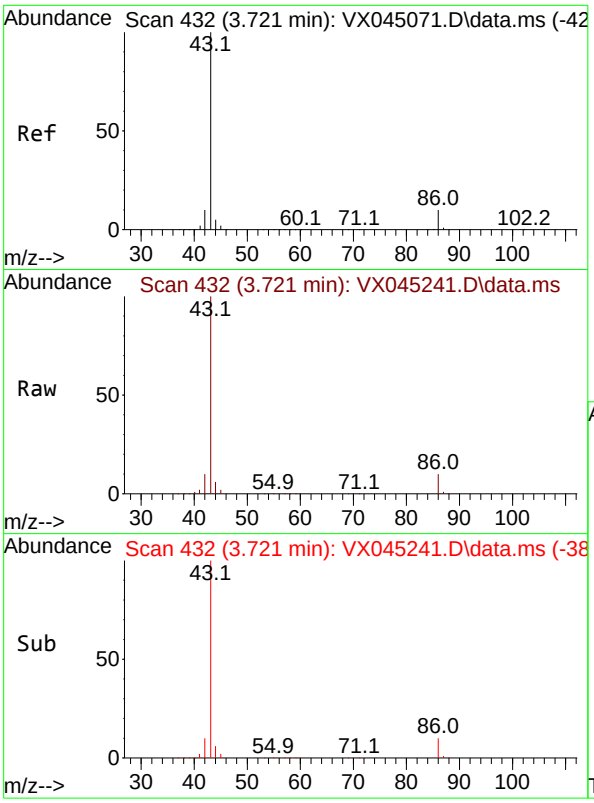


#22
Diisopropyl ether
Concen: 19.282 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 45 Resp: 84834

Ion	Ratio	Lower	Upper
45	100		
43	75.1	54.9	82.3
87	23.8	21.0	31.4
59	9.4	8.7	13.1





#23
Vinyl Acetate
Concen: 94.851 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

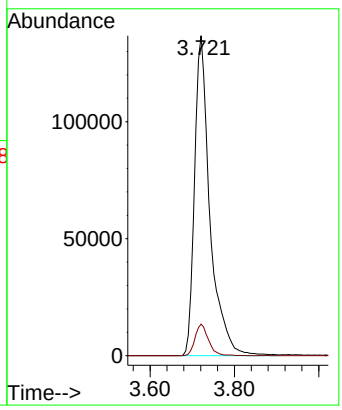
Tgt Ion: 43 Resp: 34824

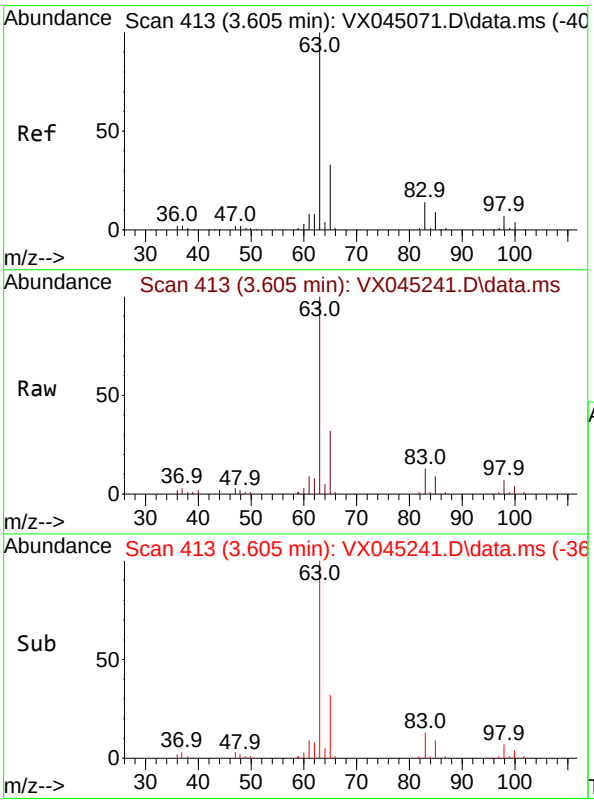
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

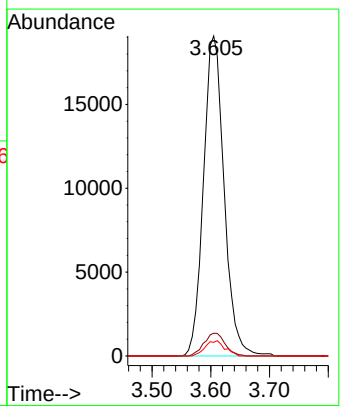


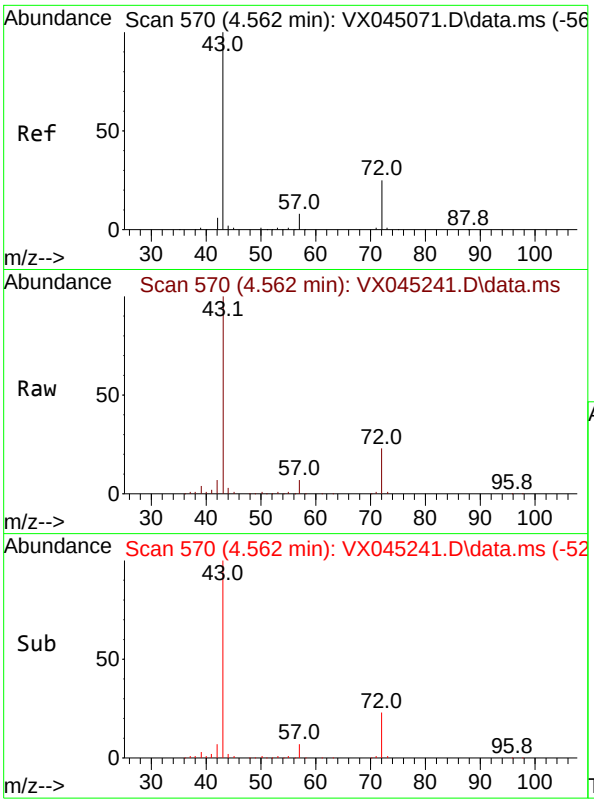


#24
1,1-Dichloroethane
Concen: 18.932 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 63 Resp: 46680

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 98.643 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

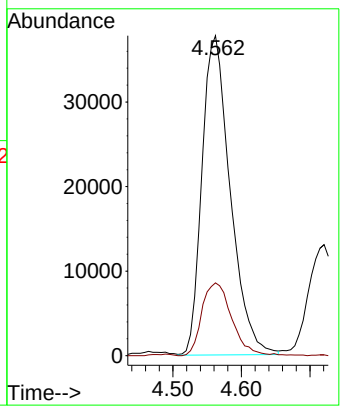
Tgt Ion: 43 Resp: 10837

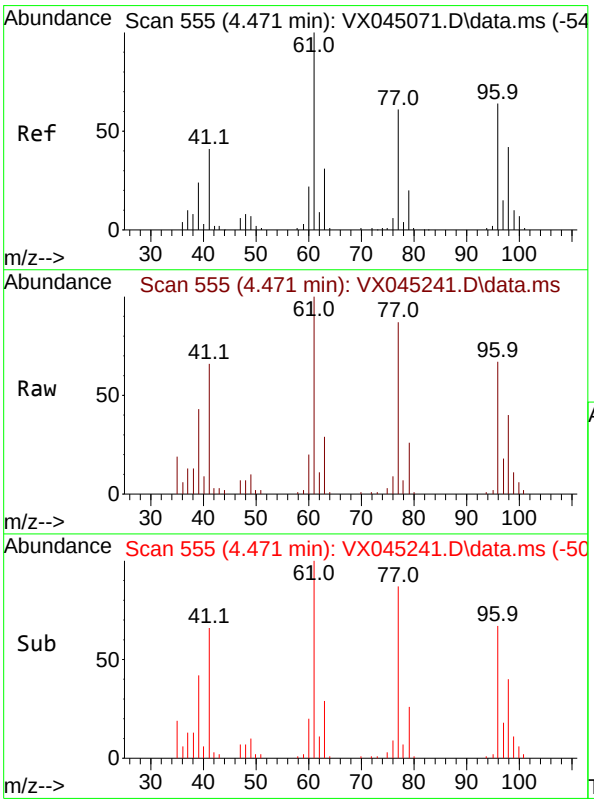
Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

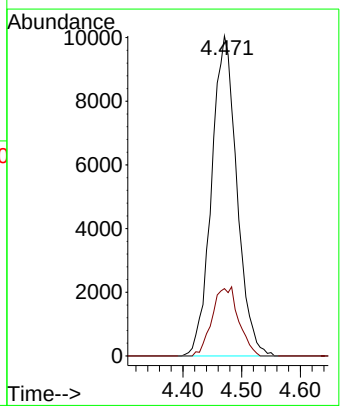


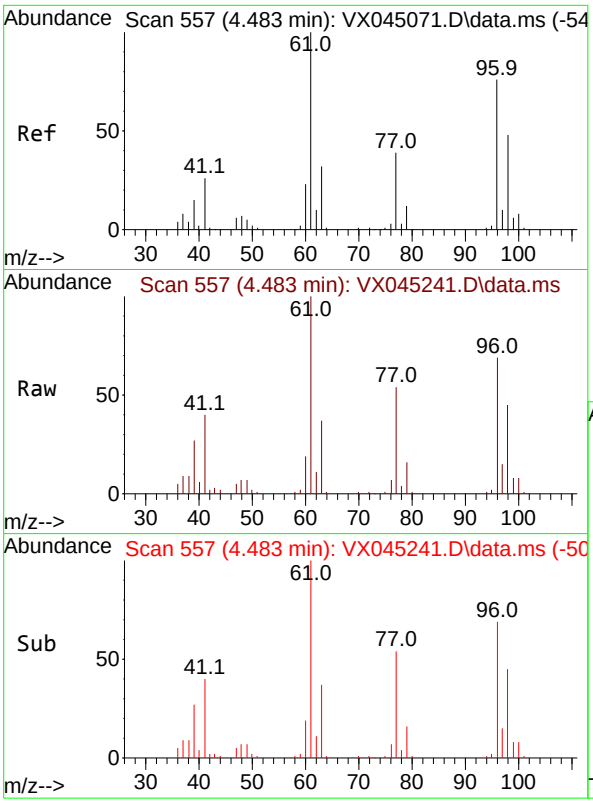


#26
2,2-Dichloropropane
Concen: 26.043 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 77 Resp: 30120

Ion	Ratio	Lower	Upper
77	100		
97	22.5	12.4	37.0

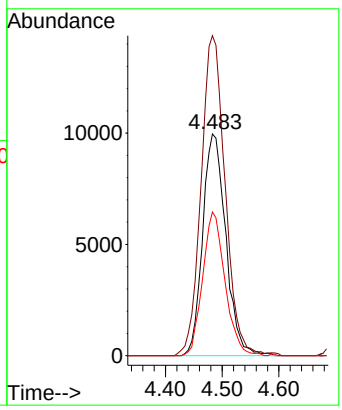




#27
cis-1,2-Dichloroethene
Concen: 19.048 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 96 Resp: 2823

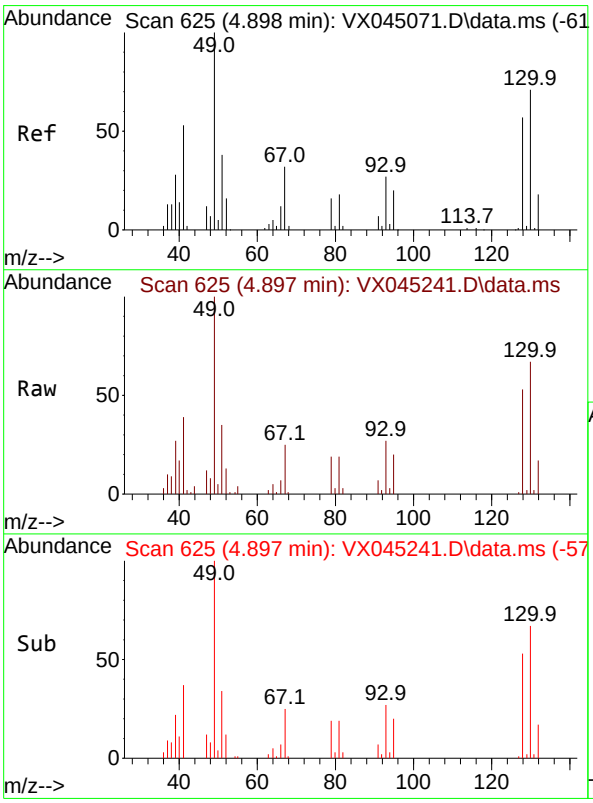
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	283.2
98	62.6	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

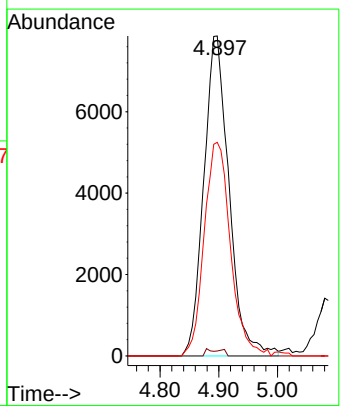
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

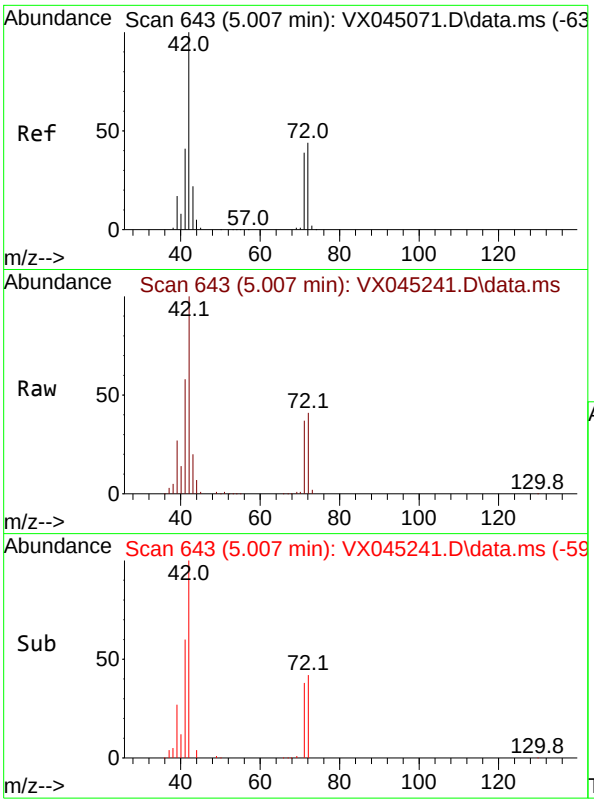


#28
Bromochloromethane
Concen: 19.974 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 49 Resp: 23474

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	69.4	56.1	84.1





#29
Tetrahydrofuran
Concen: 93.010 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

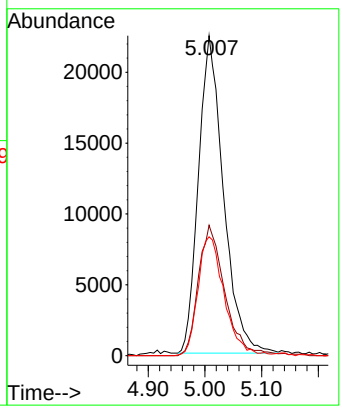
Tgt Ion: 42 Resp: 6862

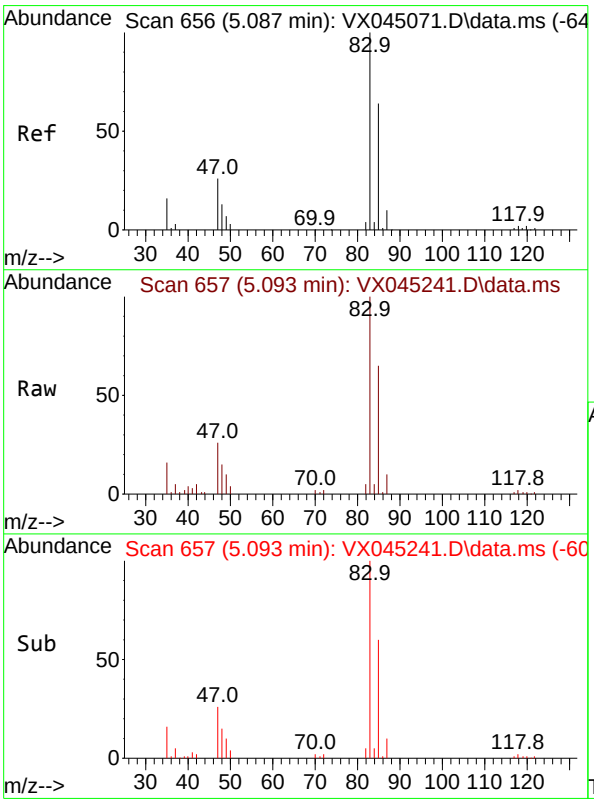
Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.1	51.1
71	39.4	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

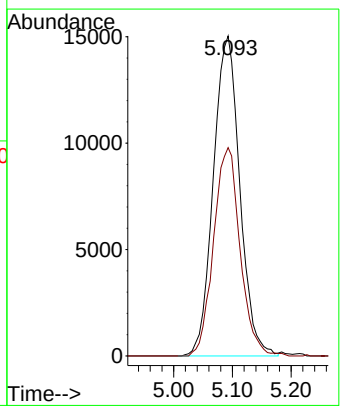


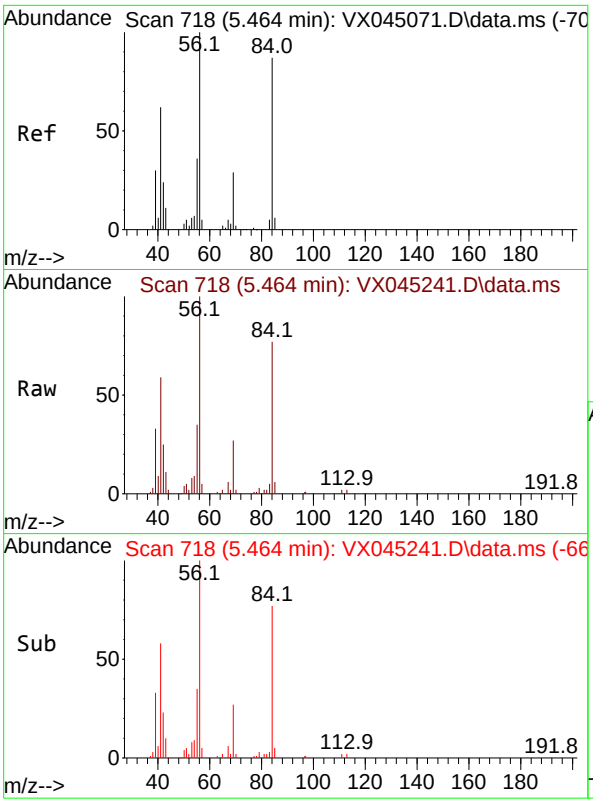


#30
Chloroform
Concen: 19.195 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 83 Resp: 47027

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2

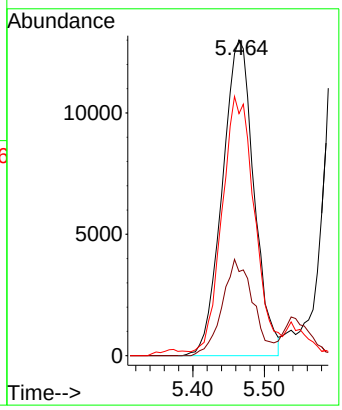




#31
Cyclohexane
Concen: 18.699 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 56 Resp: 4002

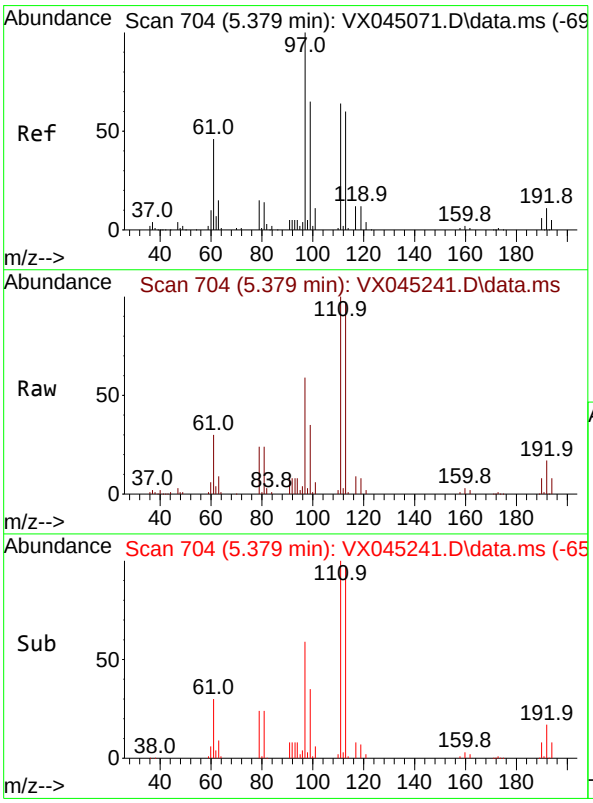
Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.4	35.2
84	75.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

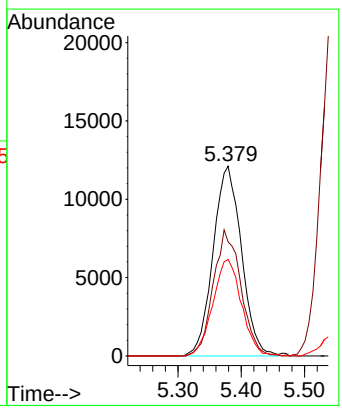
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

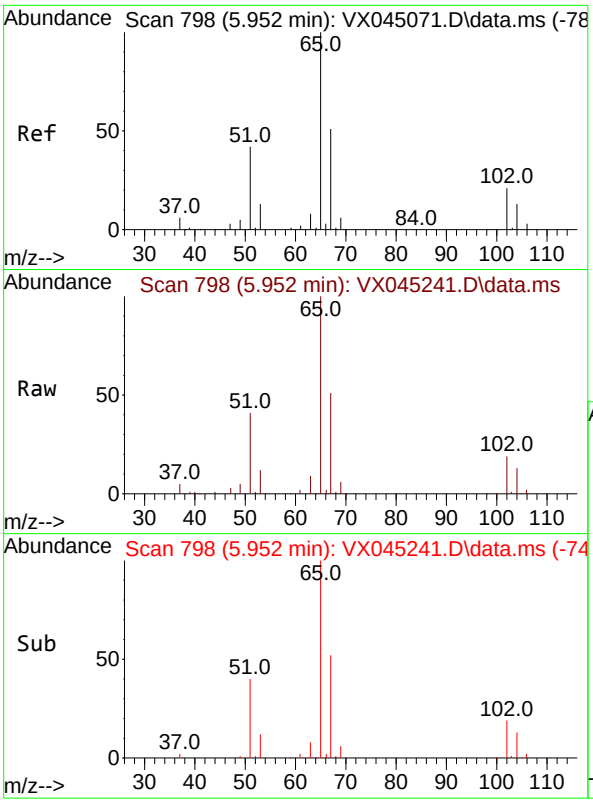


#32
1,1,1-Trichloroethane
Concen: 19.053 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 97 Resp: 37701

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	51.3	38.4	57.6

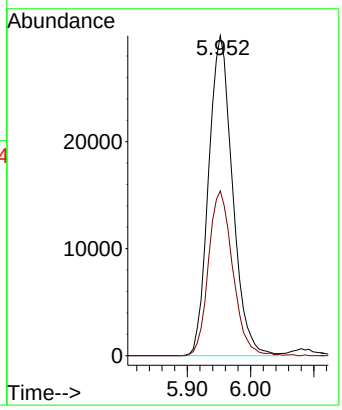




#33
1,2-Dichloroethane-d4
Concen: 49.972 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 65 Resp: 7861

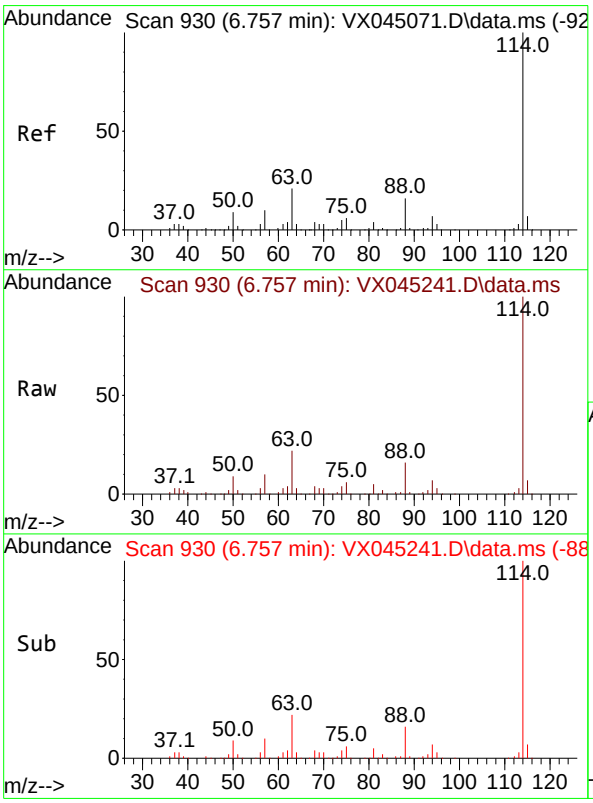
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

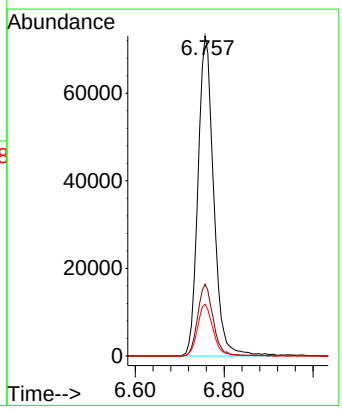
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

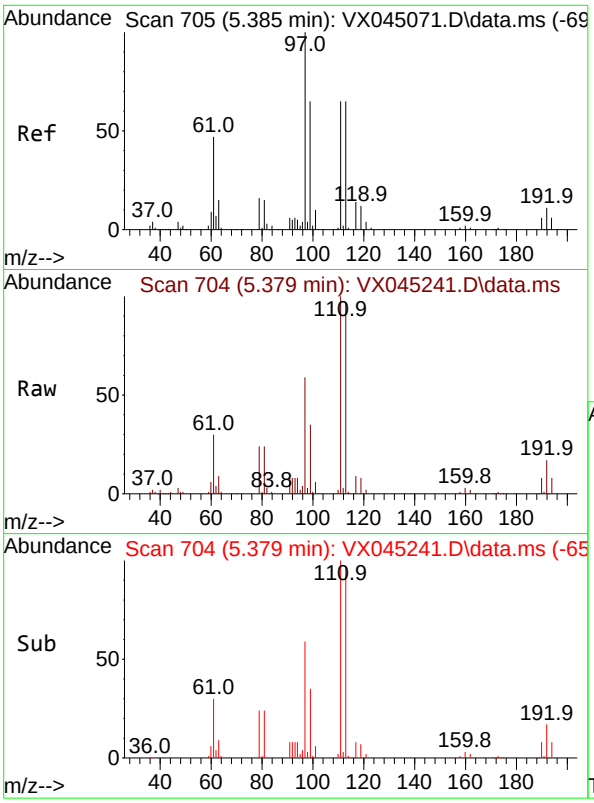


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:114 Resp: 179533

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	16.2	0.0	32.8

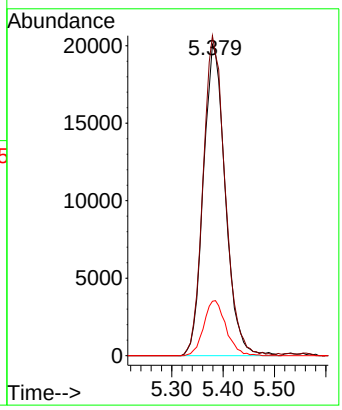




#35
Dibromofluoromethane
Concen: 49.585 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:113 Resp: 5952

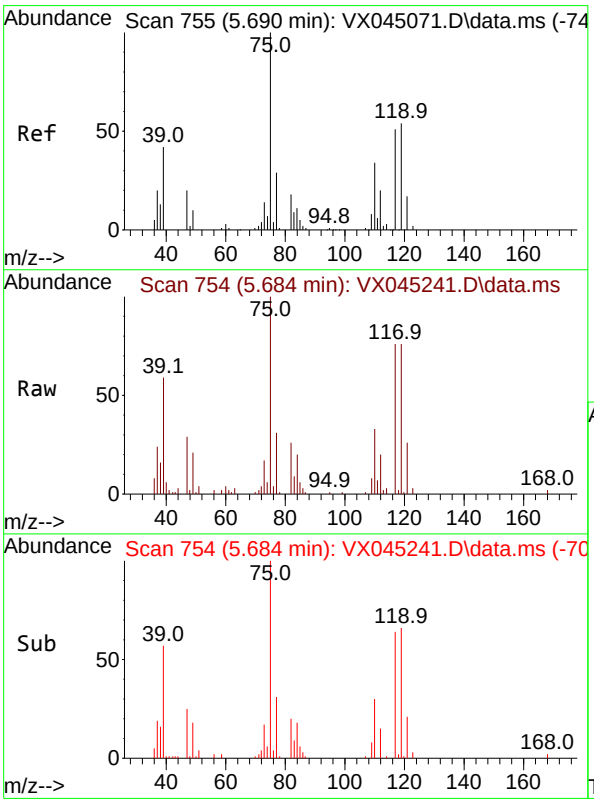
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

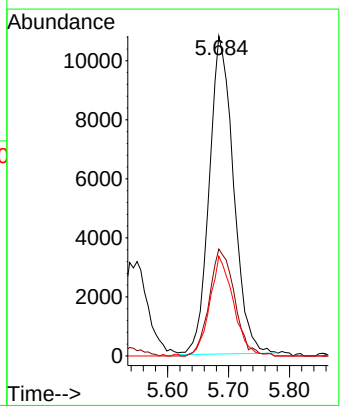
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

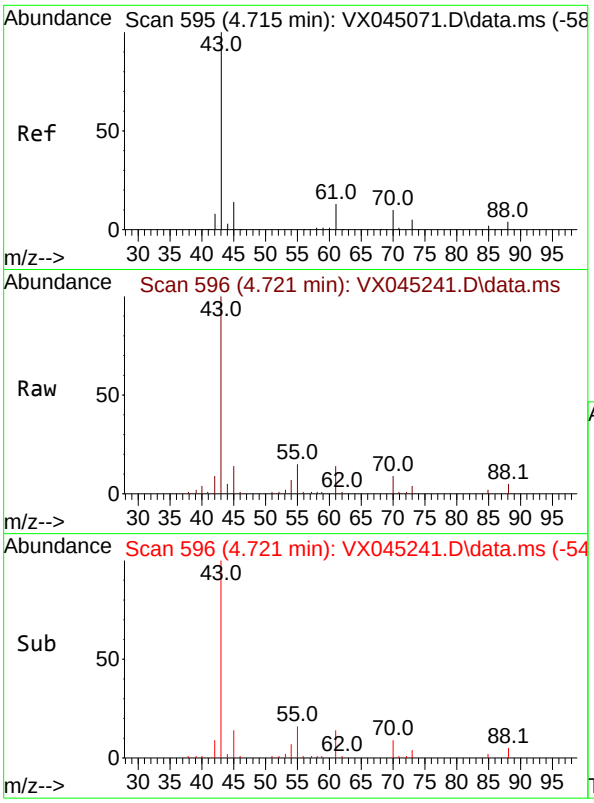


#36
1,1-Dichloropropene
Concen: 18.110 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 29816

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.6
77	30.6	24.5	36.7





#37
Ethyl Acetate
Concen: 19.095 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

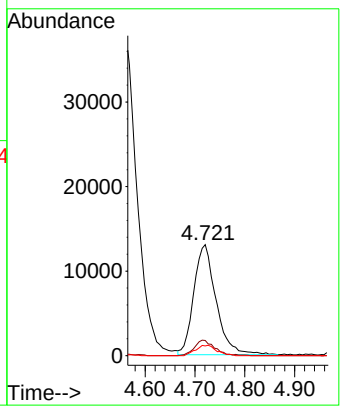
Tgt Ion: 43 Resp: 4050

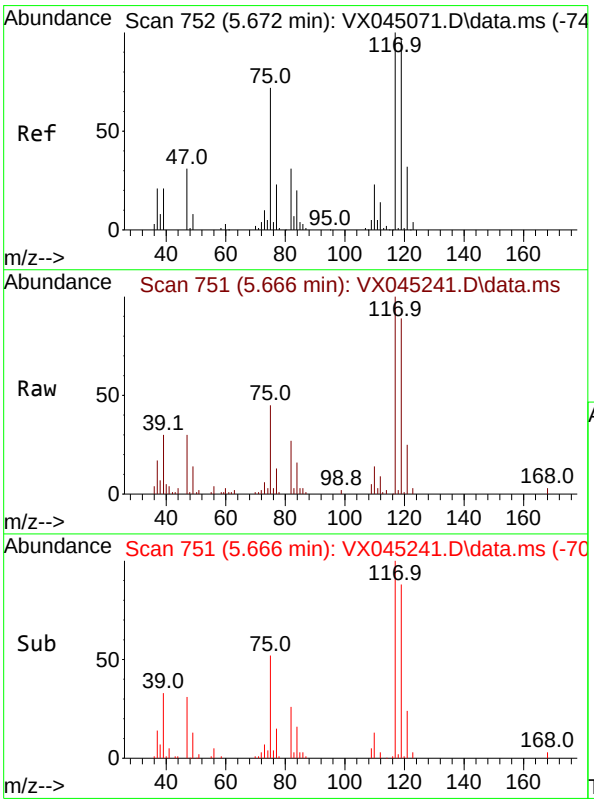
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	8.9	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

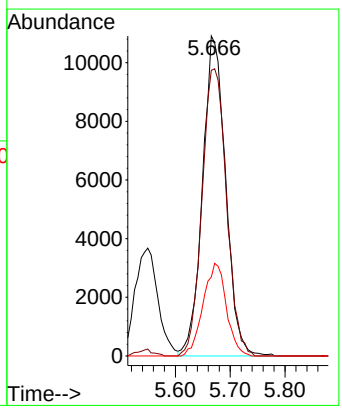


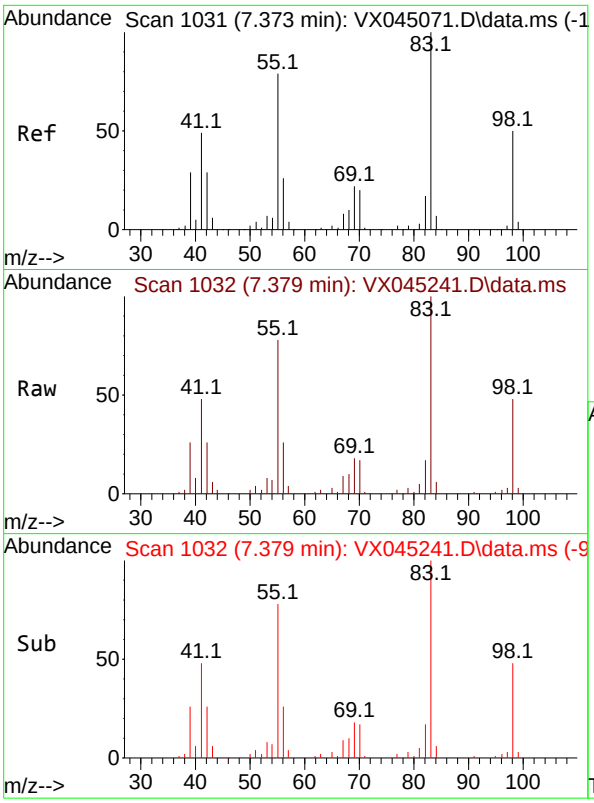


#38
Carbon Tetrachloride
Concen: 19.142 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:117 Resp: 31995

Ion	Ratio	Lower	Upper
117	100		
119	89.3	76.7	115.1
121	24.7	25.5	38.3#

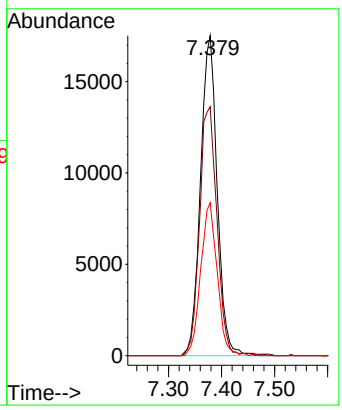




#39
Methylcyclohexane
Concen: 19.476 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 83 Resp: 3842

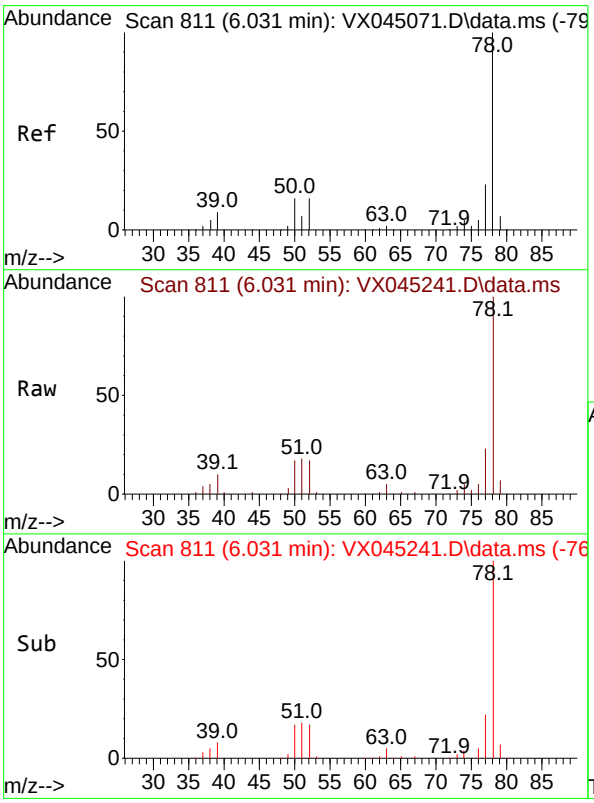
Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.0	94.4
98	47.8	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

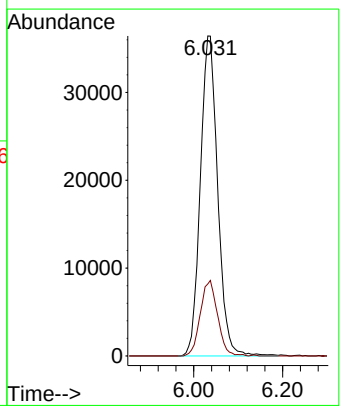
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

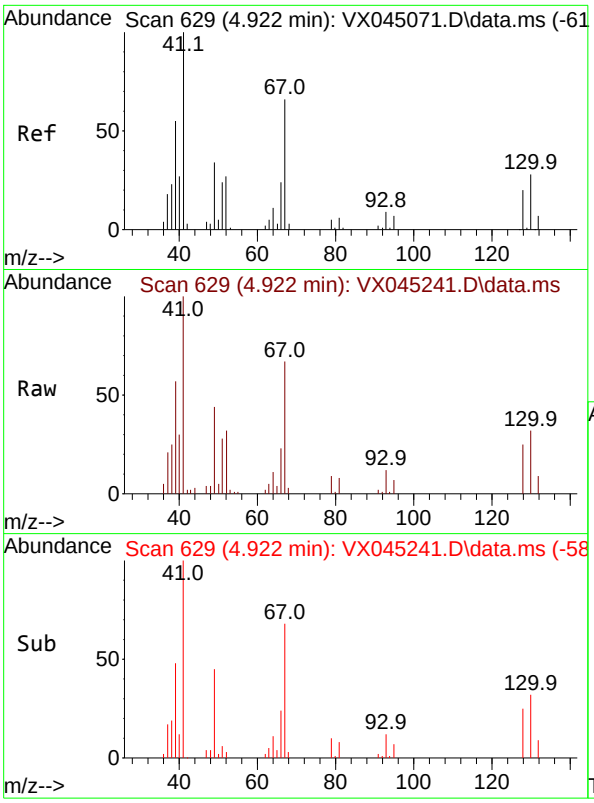


#40
Benzene
Concen: 19.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 78 Resp: 99047

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2

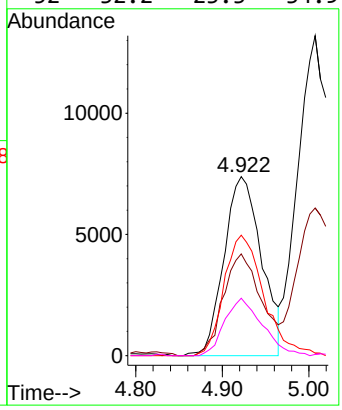




#41
Methacrylonitrile
Concen: 19.406 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 41 Resp: 2226

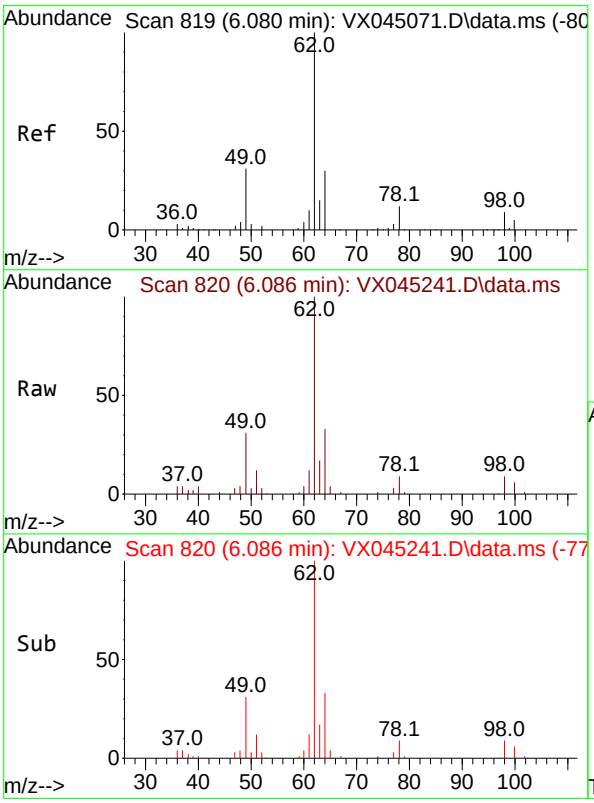
Ion	Ratio	Lower	Upper
41	100		
39	57.6	44.6	67.0
67	71.2	53.9	80.9
52	32.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

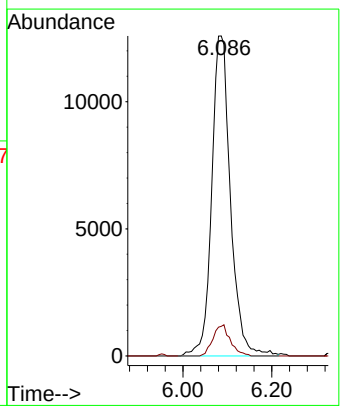
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

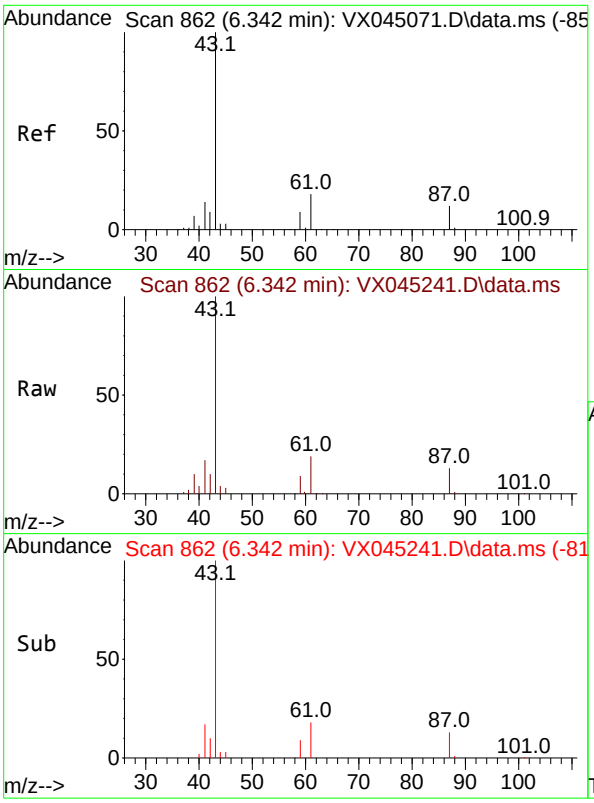


#42
1,2-Dichloroethane
Concen: 19.673 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 62 Resp: 36830

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

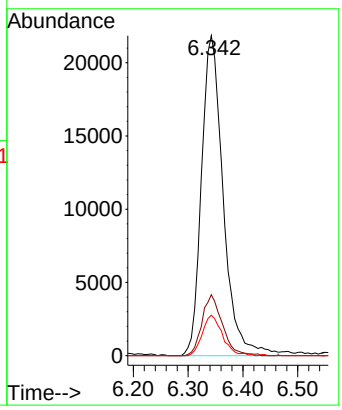




#43
Isopropyl Acetate
Concen: 19.142 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 6004

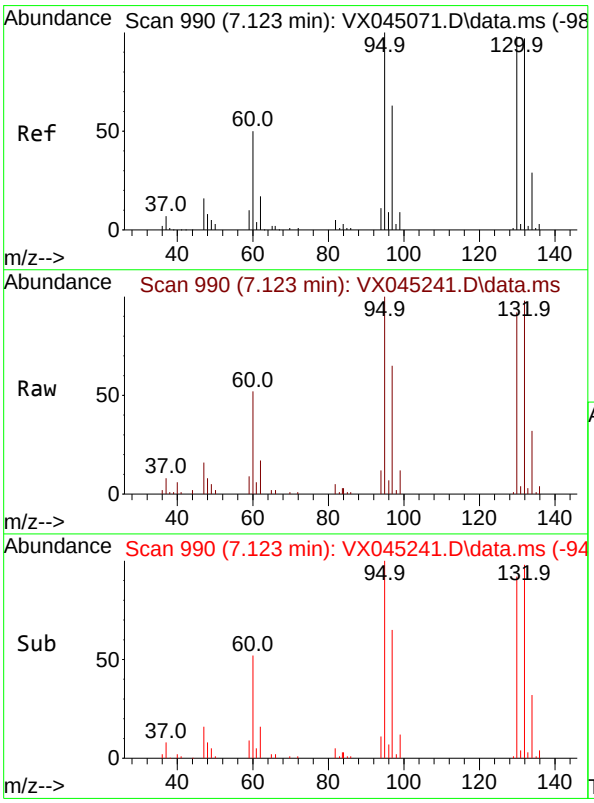
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

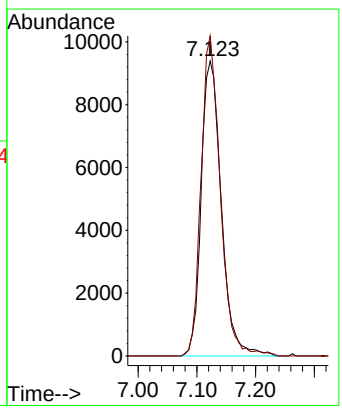
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

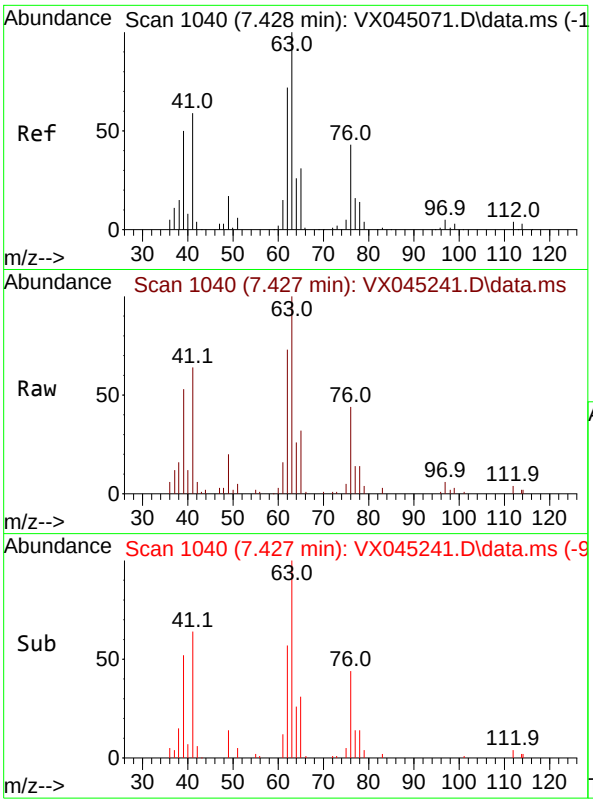


#44
Trichloroethene
Concen: 18.325 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:130 Resp: 22370

Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	205.0





#45
1,2-Dichloropropane
Concen: 18.788 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

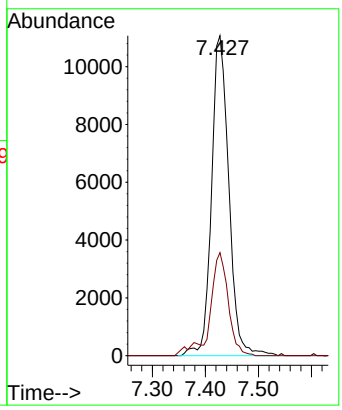
Tgt Ion: 63 Resp: 2511

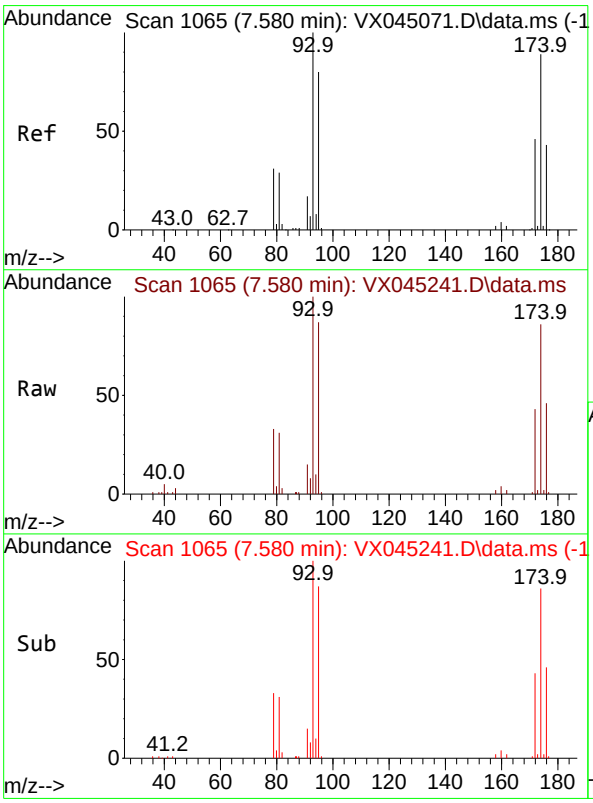
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

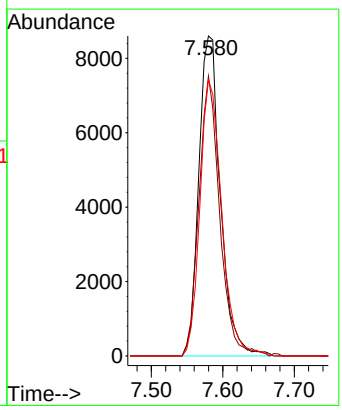


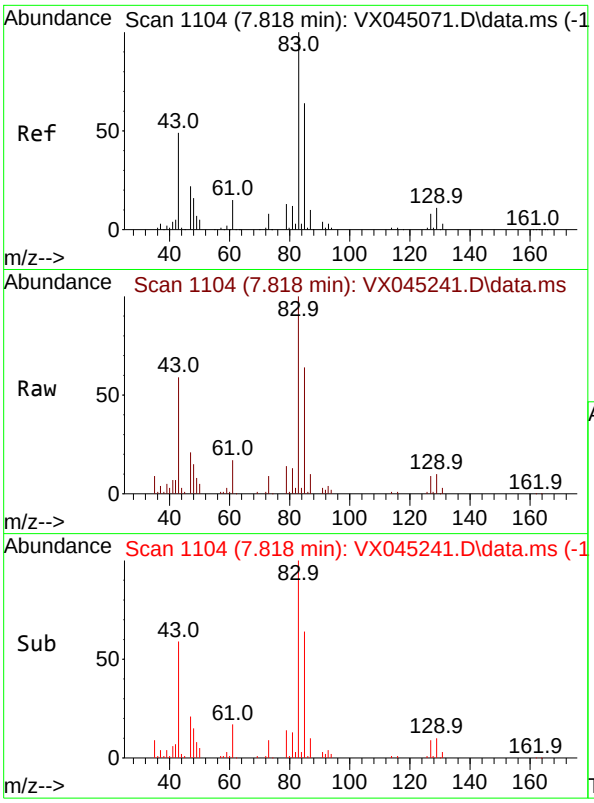


#46
Dibromomethane
Concen: 19.118 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 93 Resp: 18062

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.8	98.8
174	87.3	72.2	108.2

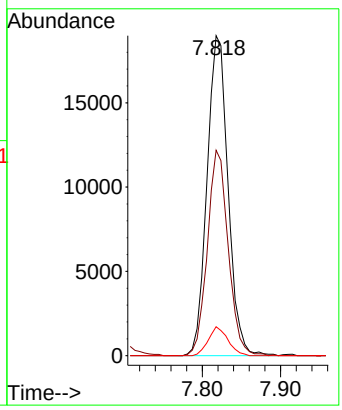




#47
Bromodichloromethane
Concen: 19.048 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 83 Resp: 3529

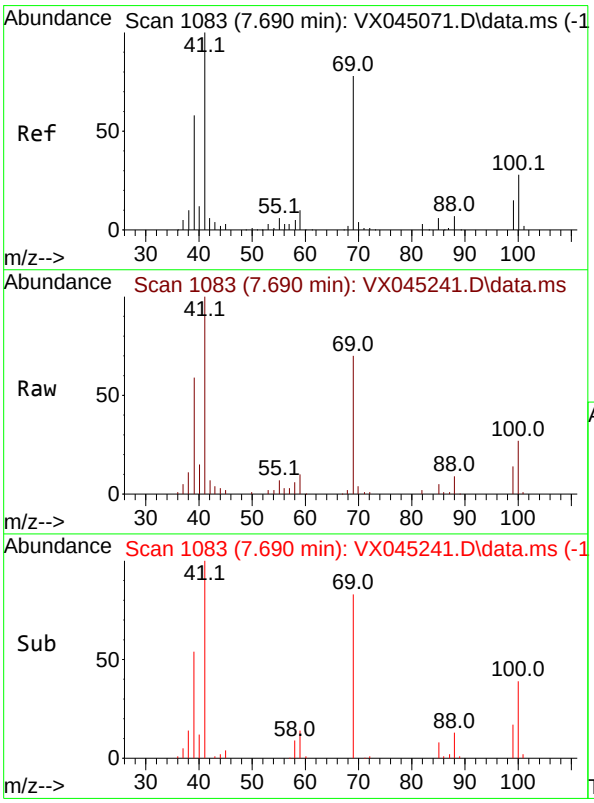
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	9.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

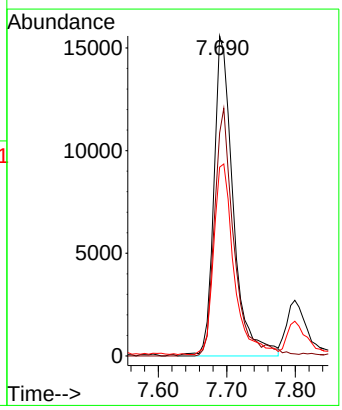
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

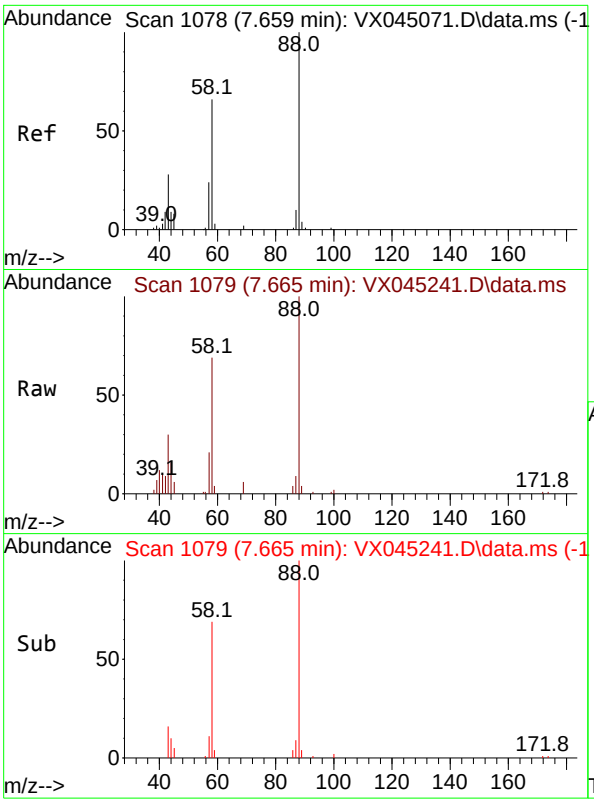


#48
Methyl methacrylate
Concen: 19.325 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 41 Resp: 30413

Ion	Ratio	Lower	Upper
41	100		
69	78.0	63.0	94.6
39	62.7	47.5	71.3





#49
1,4-Dioxane
Concen: 331.922 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

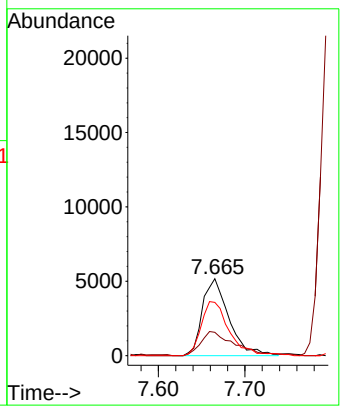
Tgt Ion: 88 Resp: 1101

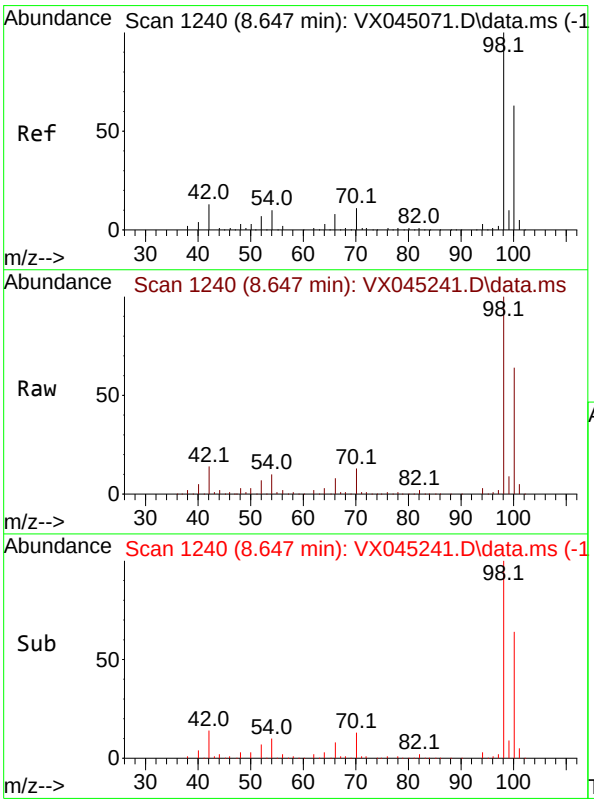
Ion	Ratio	Lower	Upper
88	100		
43	40.5	28.7	43.1
58	74.0	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

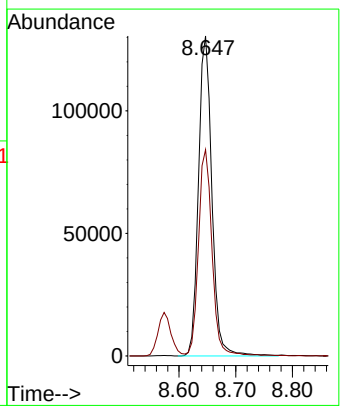


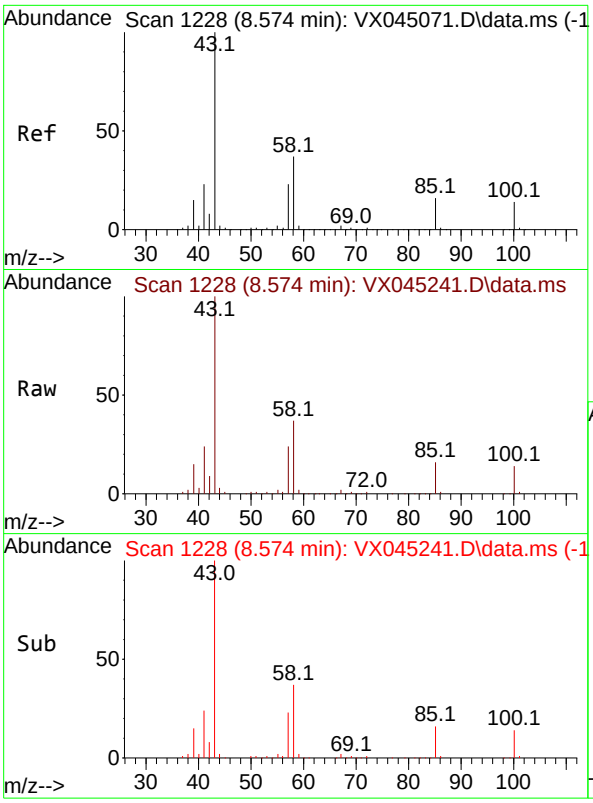


#50
Toluene-d8
Concen: 49.204 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 98 Resp: 214144

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 102.431 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

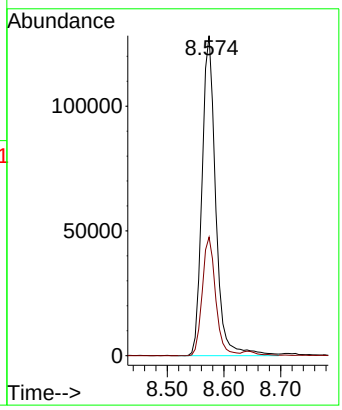
Tgt Ion: 43 Resp: 21575

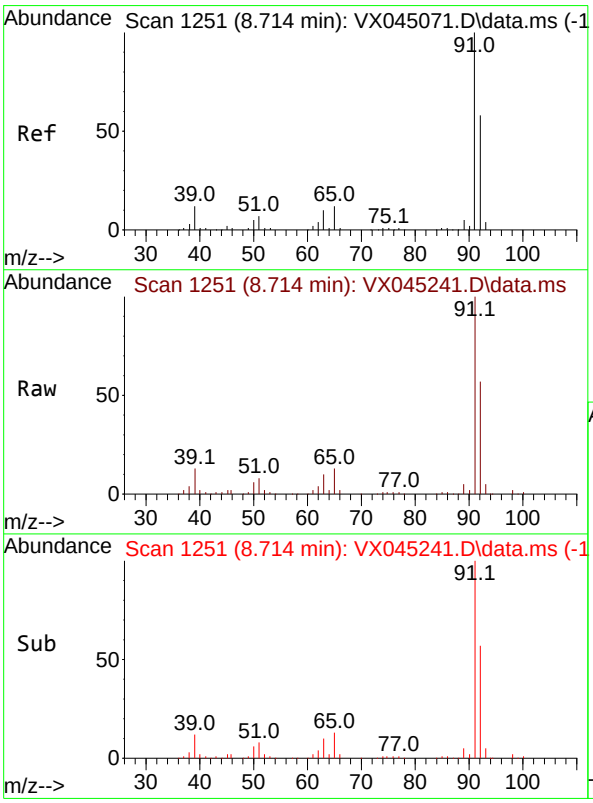
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

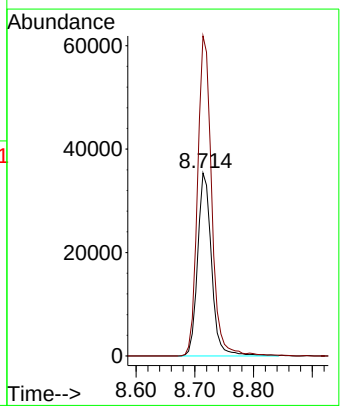


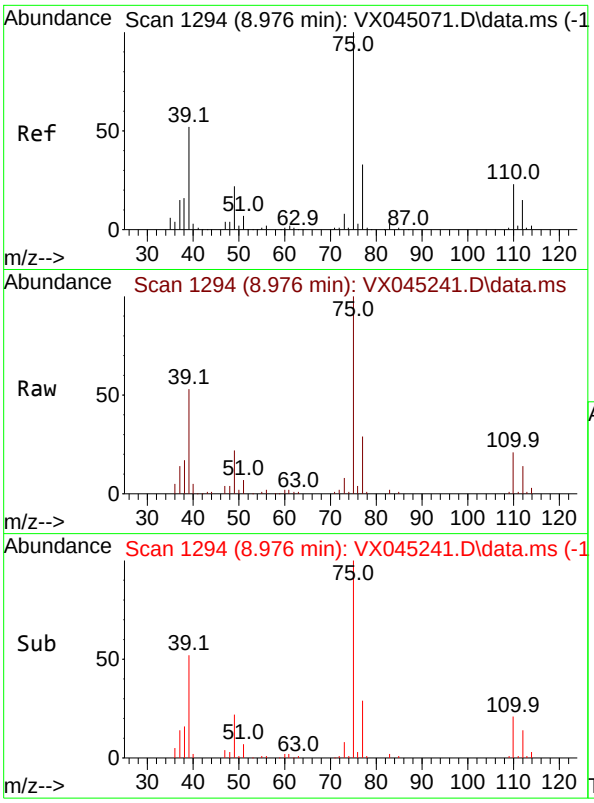


#52
Toluene
Concen: 19.097 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 92 Resp: 58249

Ion	Ratio	Lower	Upper
92	100		
91	177.3	138.9	208.3

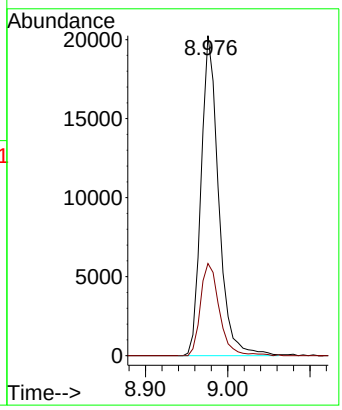




#53
t-1,3-Dichloropropene
Concen: 19.347 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 2997

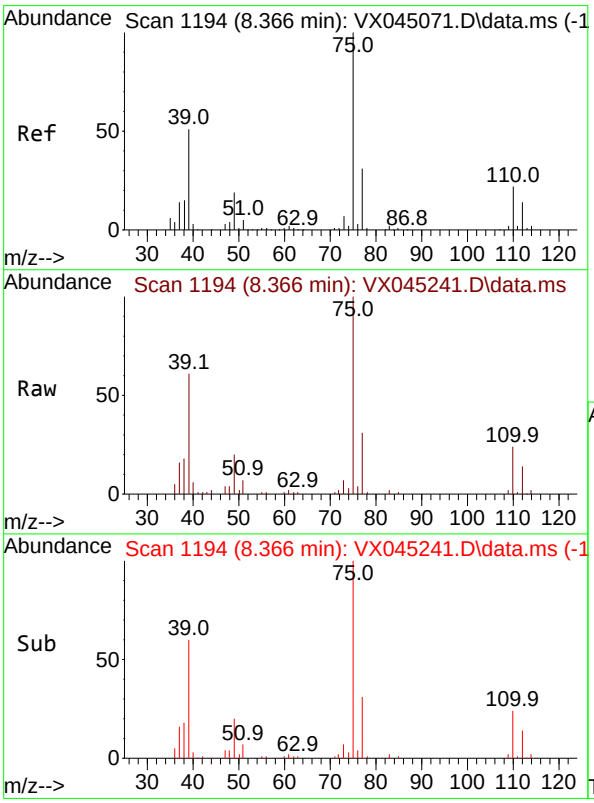
Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

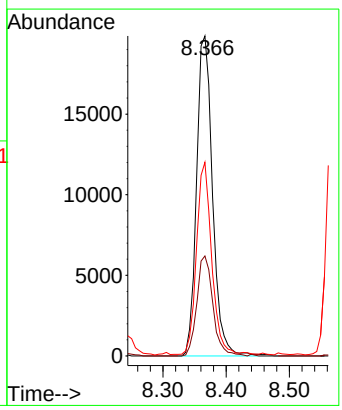
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

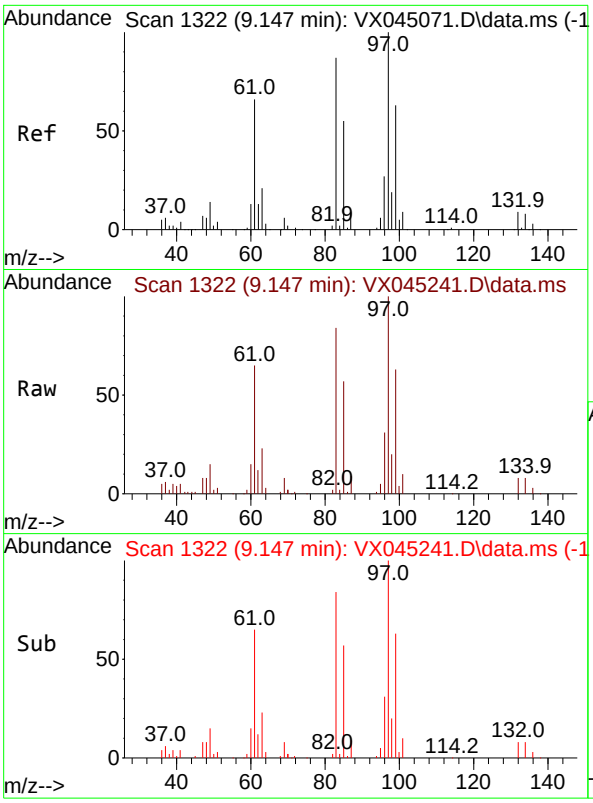


#54
cis-1,3-Dichloropropene
Concen: 19.360 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 34975

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1
39	60.0	40.7	61.1

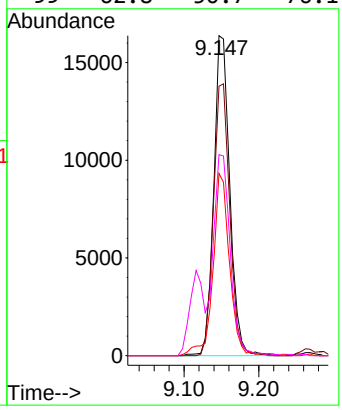




#55
1,1,2-Trichloroethane
Concen: 19.398 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 97 Resp: 2435

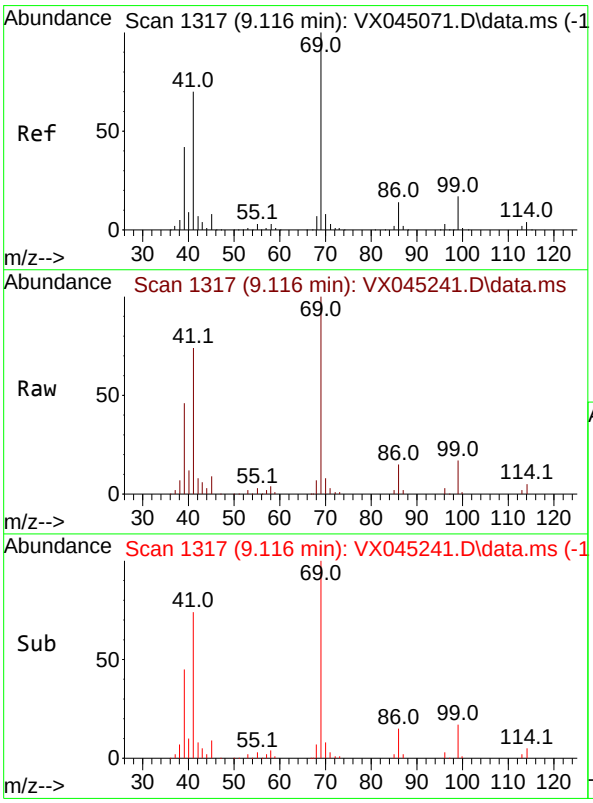
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.4	104.2
85	56.9	44.1	66.1
99	62.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

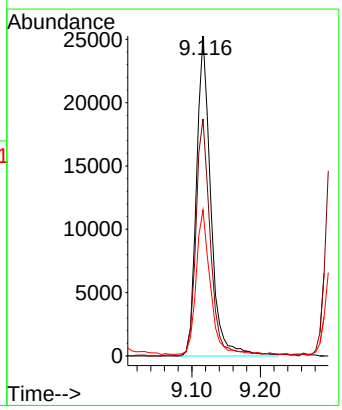
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

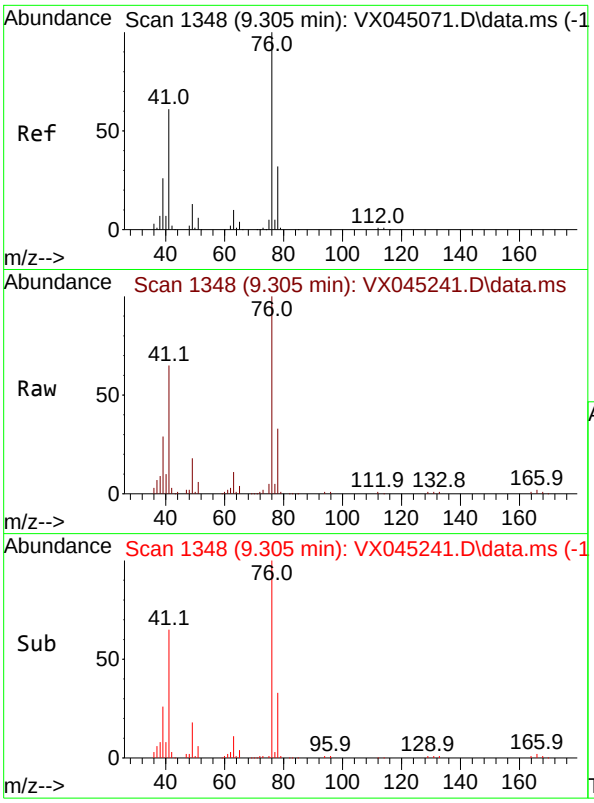


#56
Ethyl methacrylate
Concen: 19.276 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 69 Resp: 36793

Ion	Ratio	Lower	Upper
69	100		
41	75.0	57.0	85.4
39	44.5	34.2	51.4





#57
1,3-Dichloropropane
Concen: 19.539 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

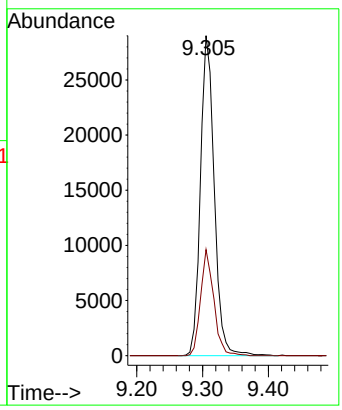
Tgt Ion: 76 Resp: 4246

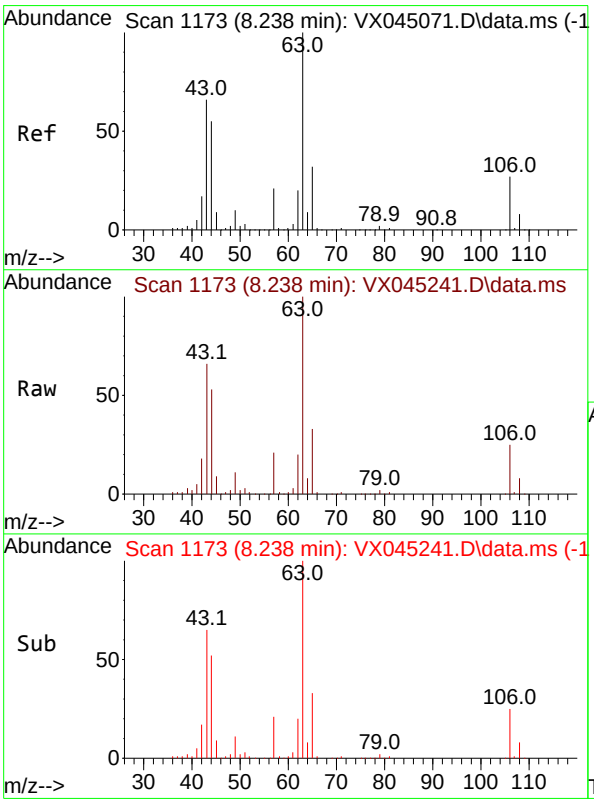
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

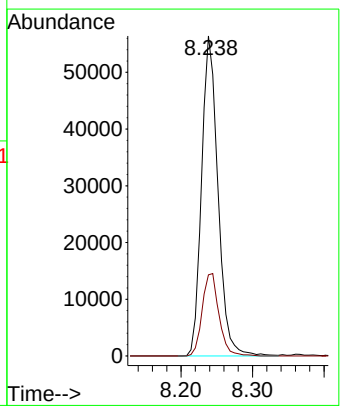


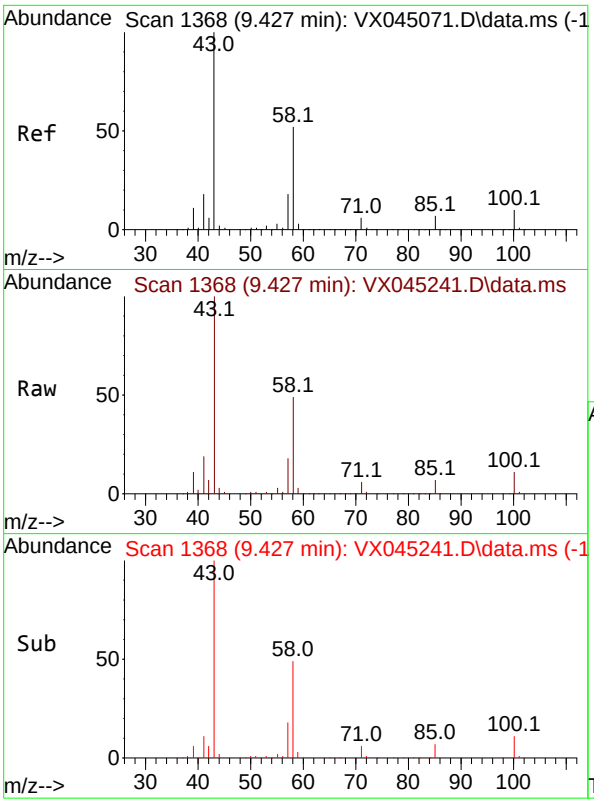


#58
2-Chloroethyl Vinyl ether
Concen: 96.488 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 63 Resp: 89841

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3

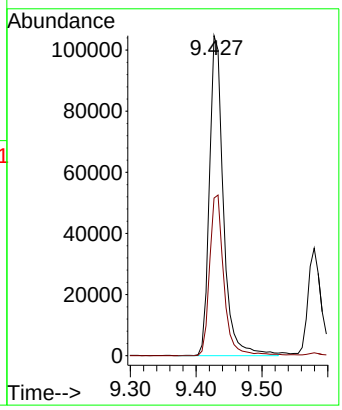




#59
2-Hexanone
Concen: 101.603 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 15505

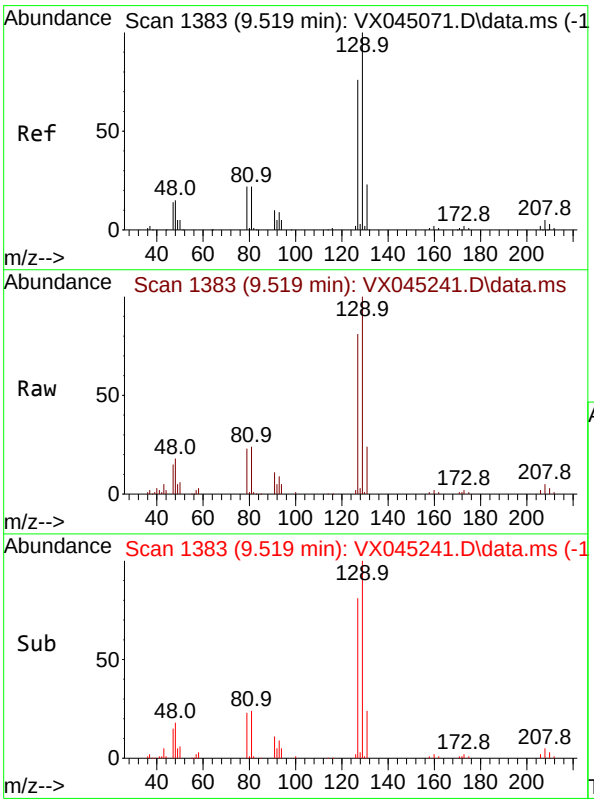
Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

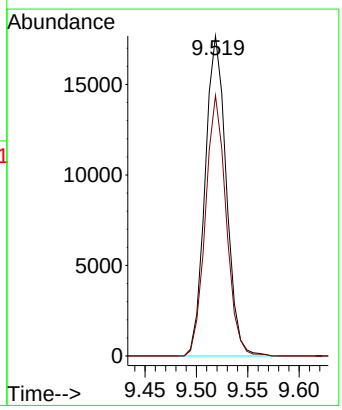
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

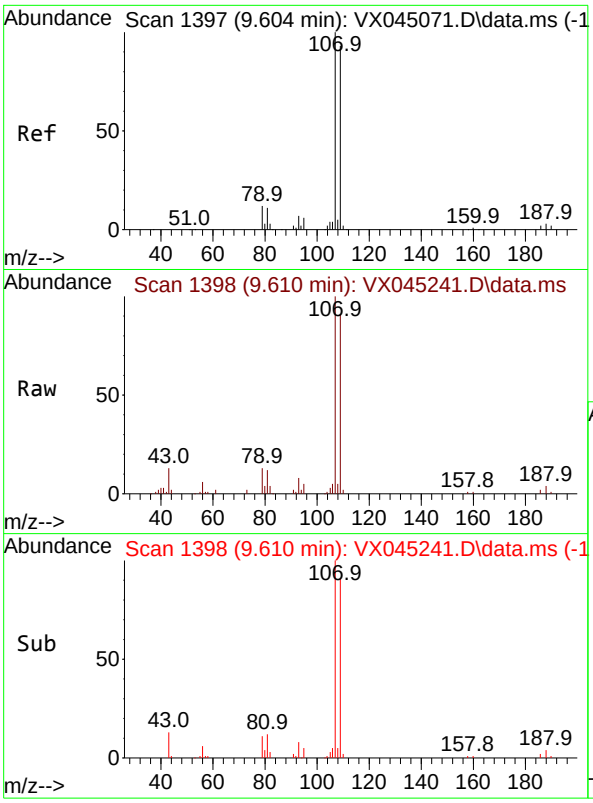


#60
Dibromochloromethane
Concen: 19.279 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:129 Resp: 25313

Ion	Ratio	Lower	Upper
129	100		
127	79.8	38.5	115.5

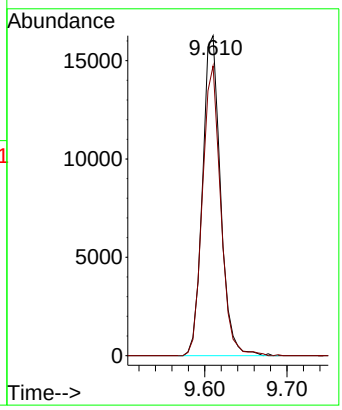




#61
1,2-Dibromoethane
Concen: 19.728 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:107 Resp: 2473

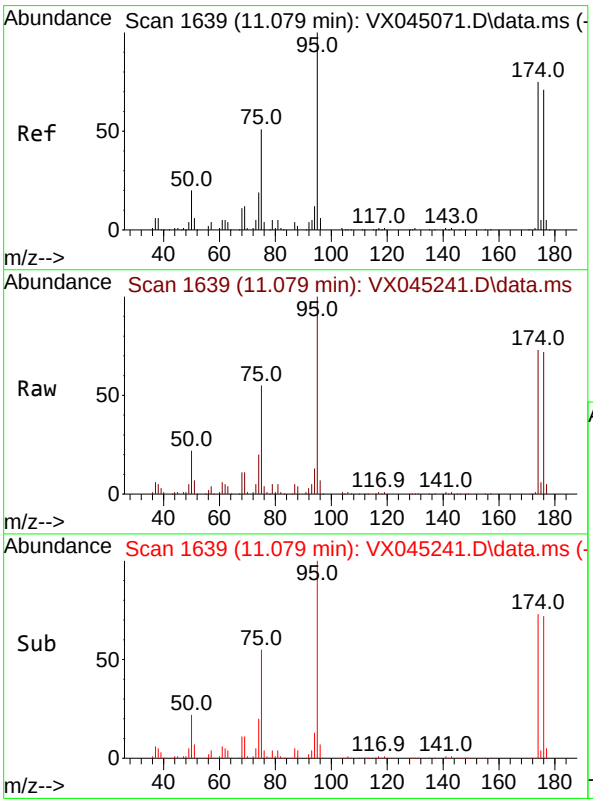
Ion	Ratio	Lower	Upper
107	100		
109	91.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

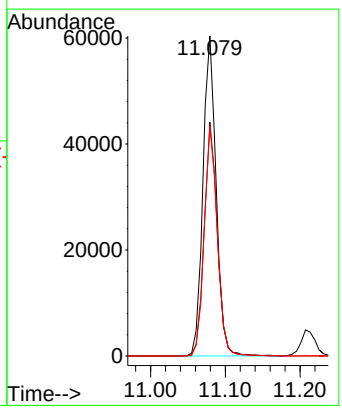
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

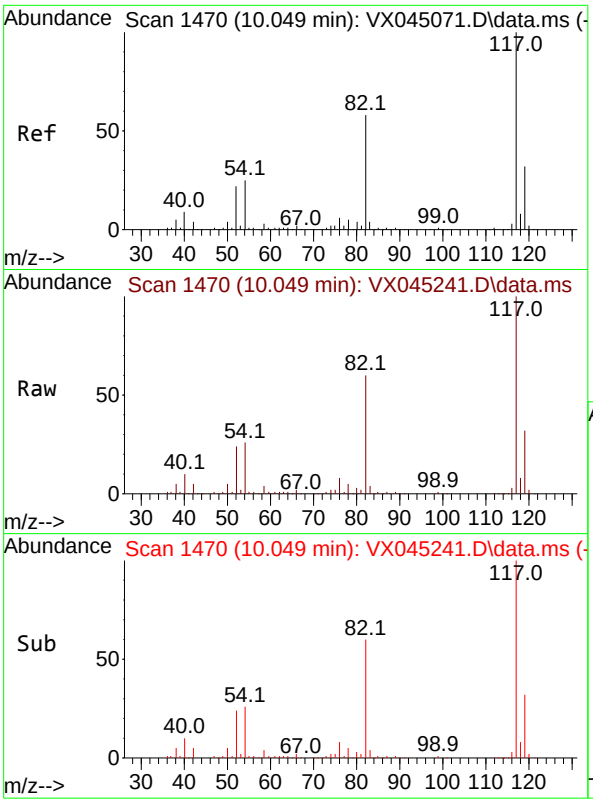


#62
4-Bromofluorobenzene
Concen: 51.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 95 Resp: 73892

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	148.2
176	71.0	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

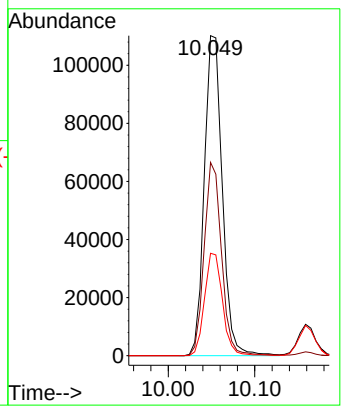
Tgt Ion:117 Resp: 15882

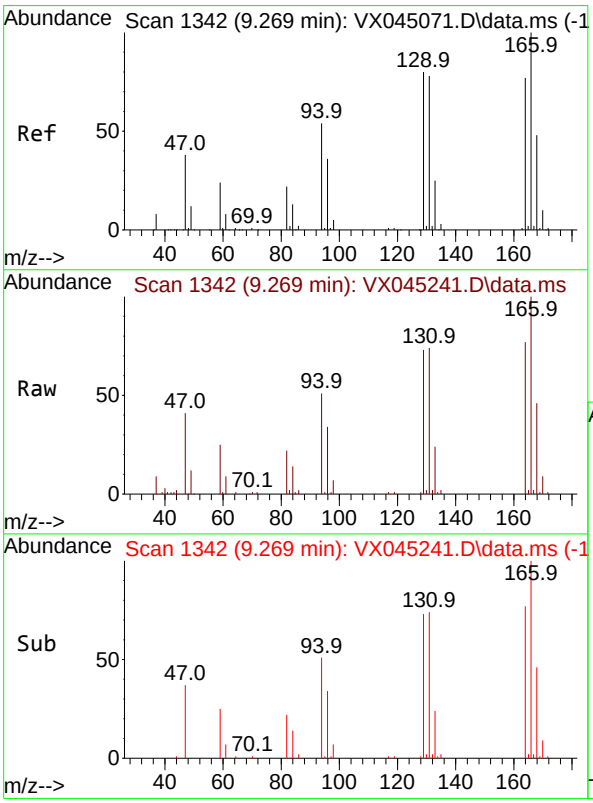
Ion	Ratio	Lower	Upper
117	100		
82	60.4	46.3	69.5
119	32.0	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

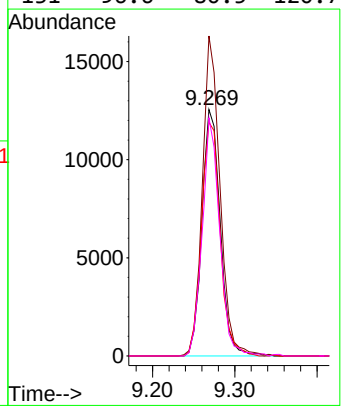


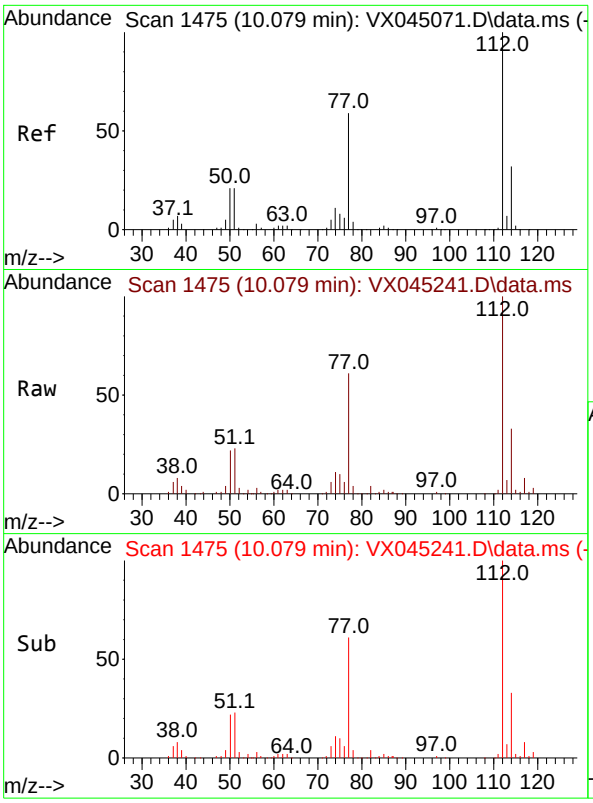


#64
Tetrachloroethene
Concen: 19.107 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:164 Resp: 19436

Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.6	155.4
129	94.9	82.7	124.1
131	96.6	80.5	120.7





#65
Chlorobenzene
Concen: 18.884 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

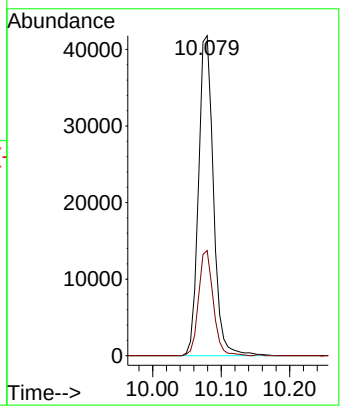
Tgt Ion:112 Resp: 6346

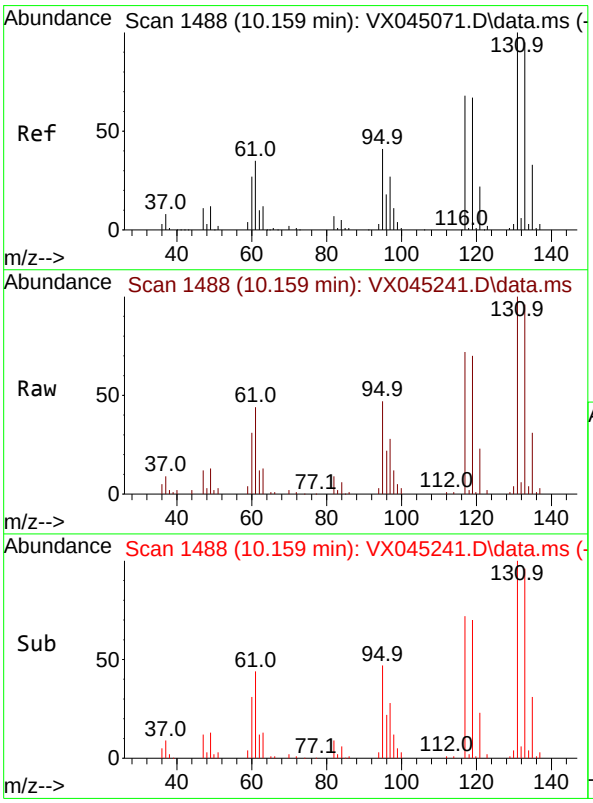
Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

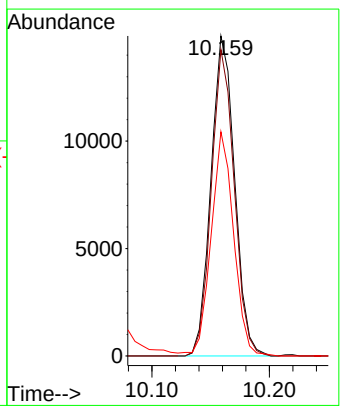


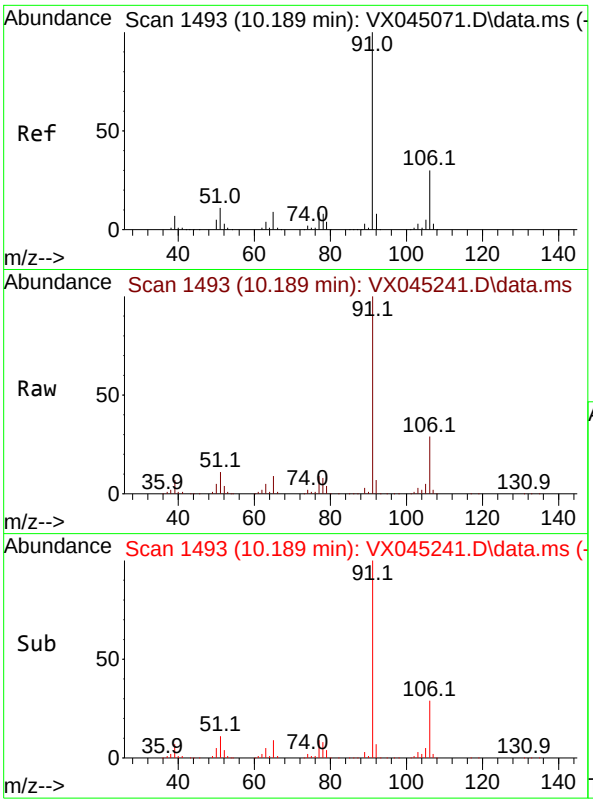


#66
1,1,1,2-Tetrachloroethane
Concen: 18.643 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:131 Resp: 20865

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.6	145.9
119	66.7	33.9	101.7





#67
Ethyl Benzene
Concen: 19.324 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

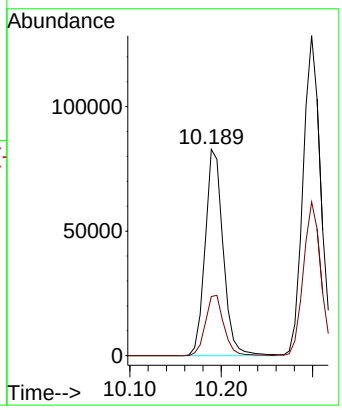
Tgt Ion: 91 Resp: 11315

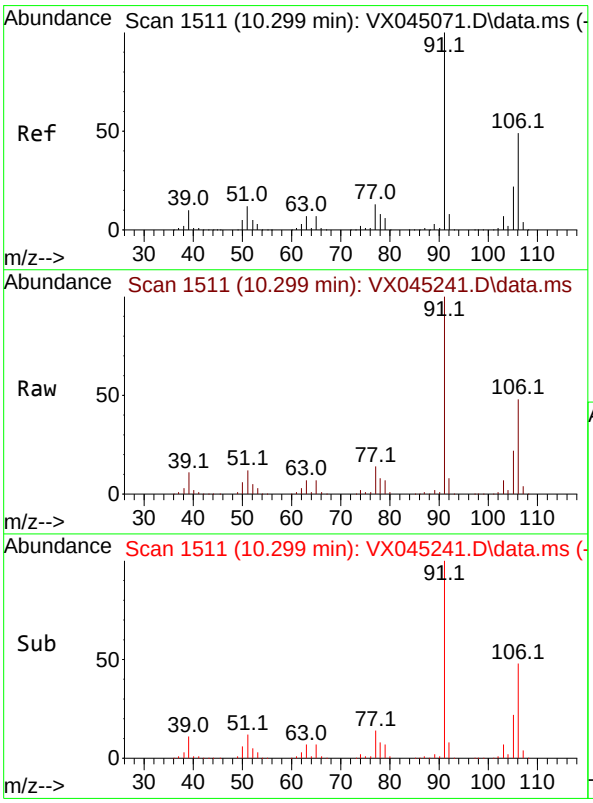
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

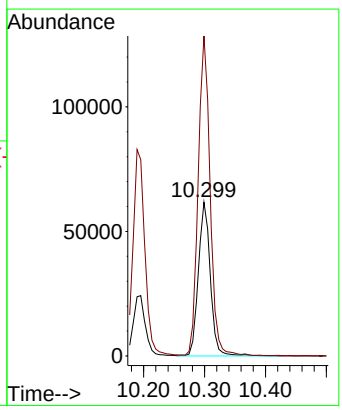


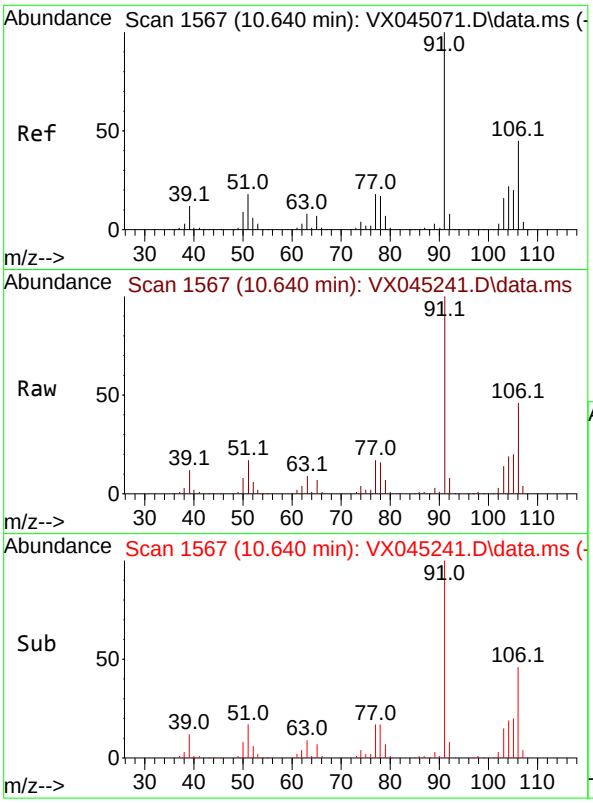


#68
m/p-Xylenes
Concen: 39.325 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:106 Resp: 84300

Ion	Ratio	Lower	Upper
106	100		
91	207.5	165.4	248.0





#69
o-Xylene
Concen: 19.261 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

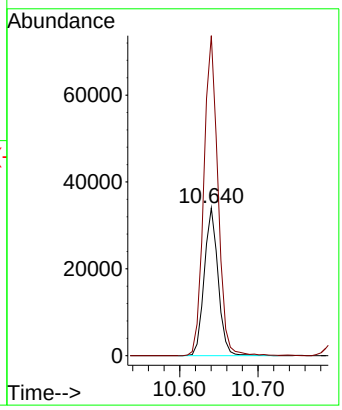
Tgt Ion:106 Resp: 4164

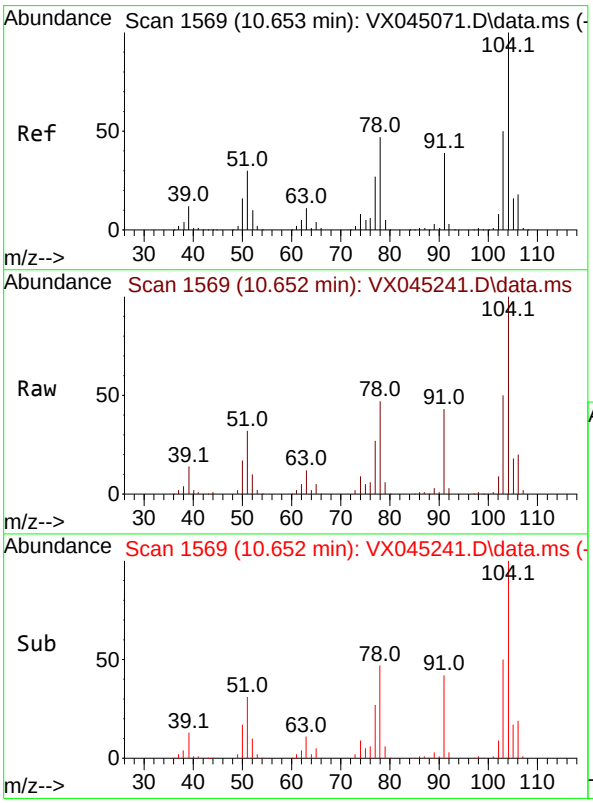
Ion	Ratio	Lower	Upper
106	100		
91	221.1	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

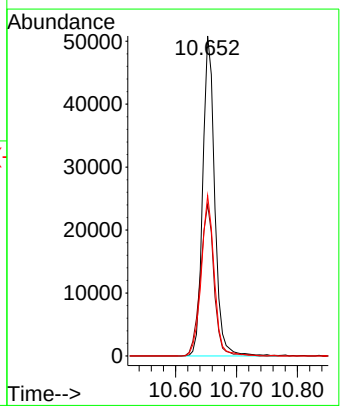


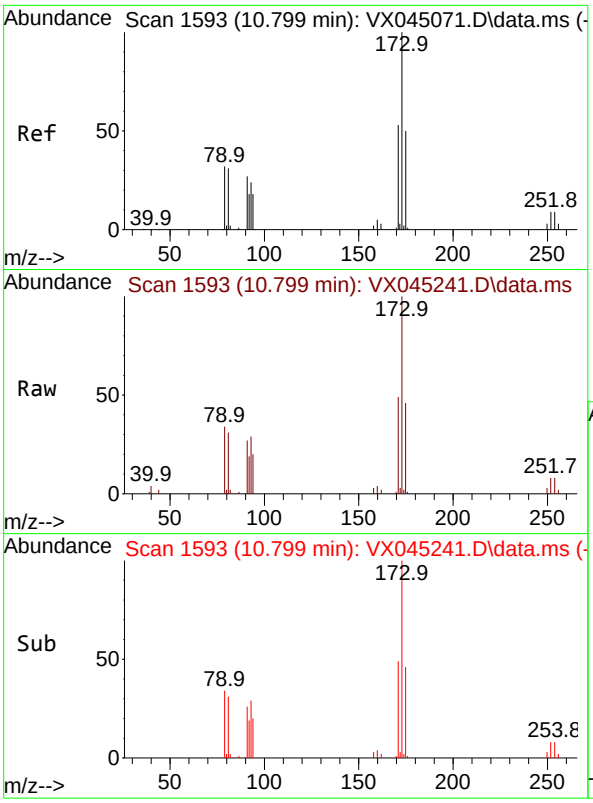


#70
Styrene
Concen: 19.937 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:104 Resp: 69744

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.2	63.4
103	54.1	43.8	65.8

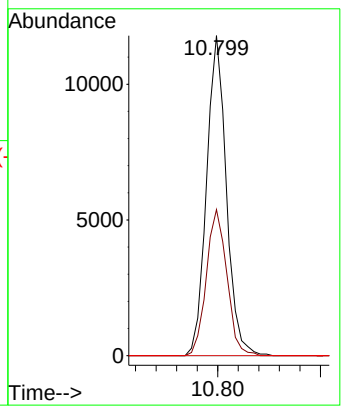




#71
Bromoform
Concen: 18.676 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:173 Resp: 1576

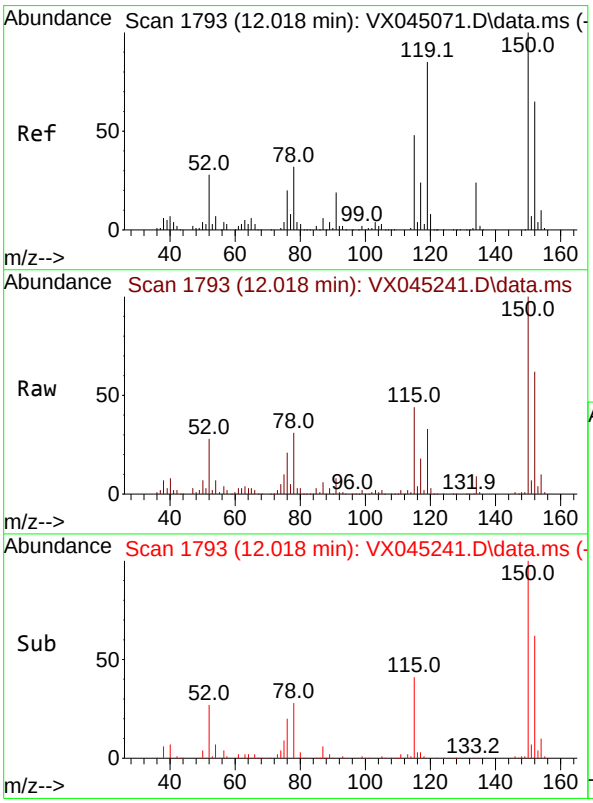
Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

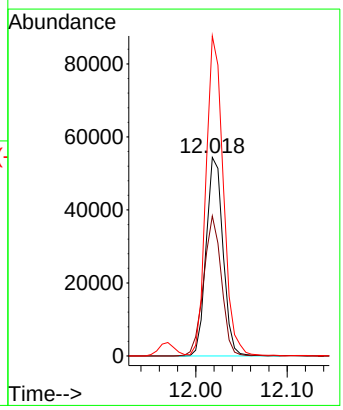
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

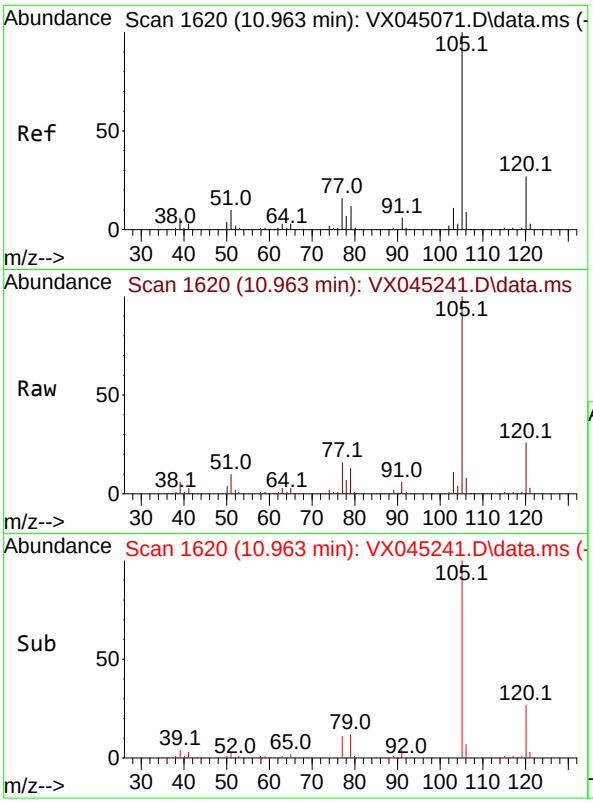


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:152 Resp: 69454

Ion	Ratio	Lower	Upper
152	100		
115	74.4	44.2	132.6
150	165.1	0.0	349.0

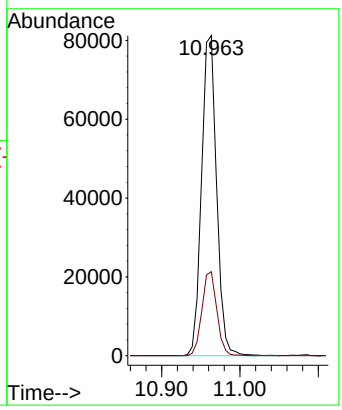




#73
Isopropylbenzene
Concen: 19.957 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:105 Resp: 10819

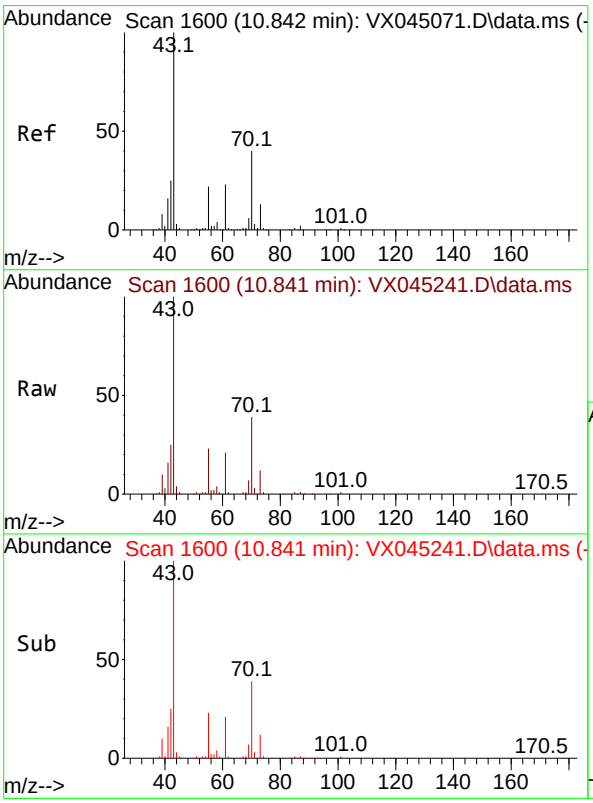
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

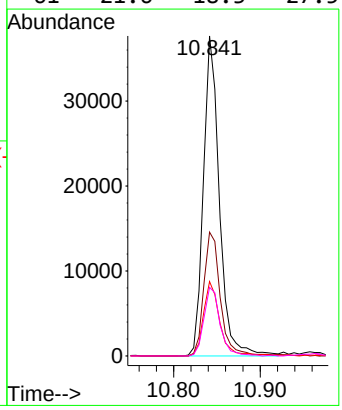
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

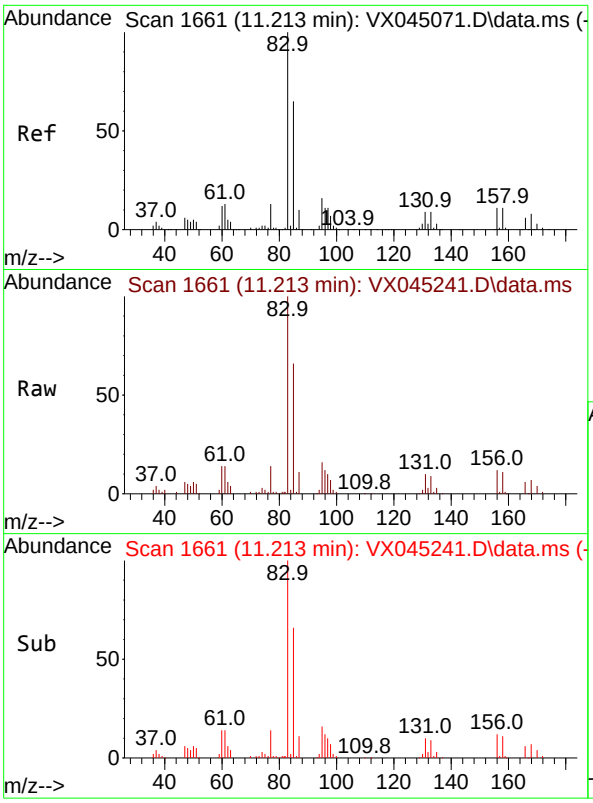


#74
N-amyl acetate
Concen: 18.998 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 48327

Ion	Ratio	Lower	Upper
43	100		
70	40.6	31.8	47.6
55	24.0	18.3	27.5
61	21.6	18.3	27.5

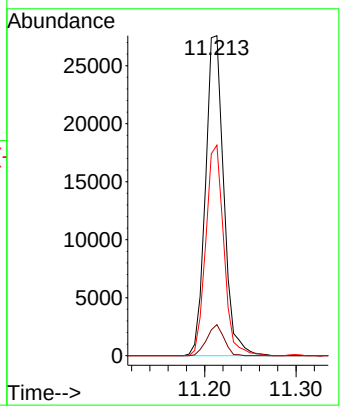




#75
1,1,2,2-Tetrachloroethane
Concen: 19.205 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 83 Resp: 3820

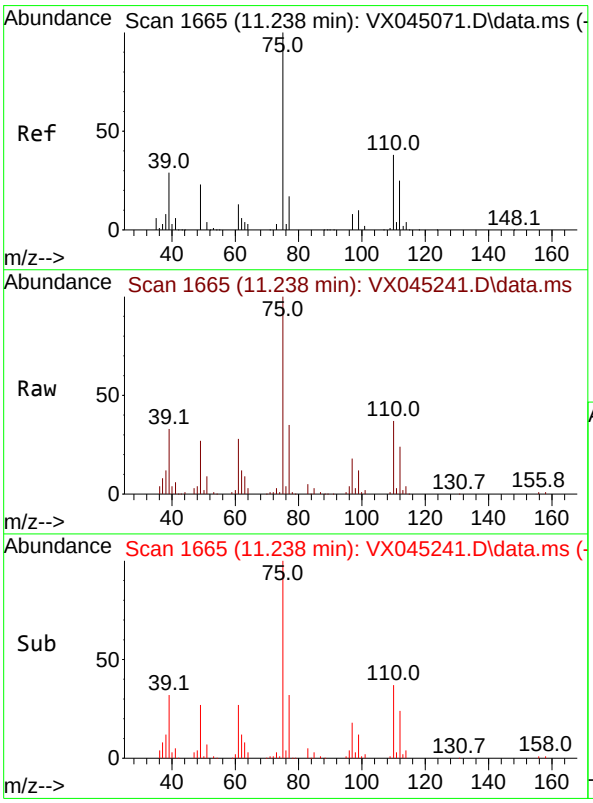
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

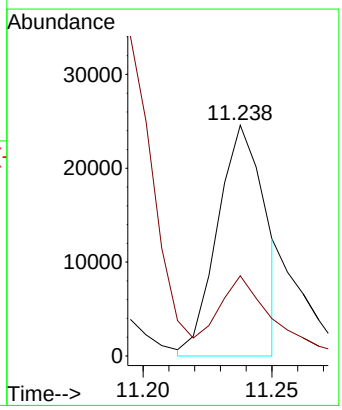
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

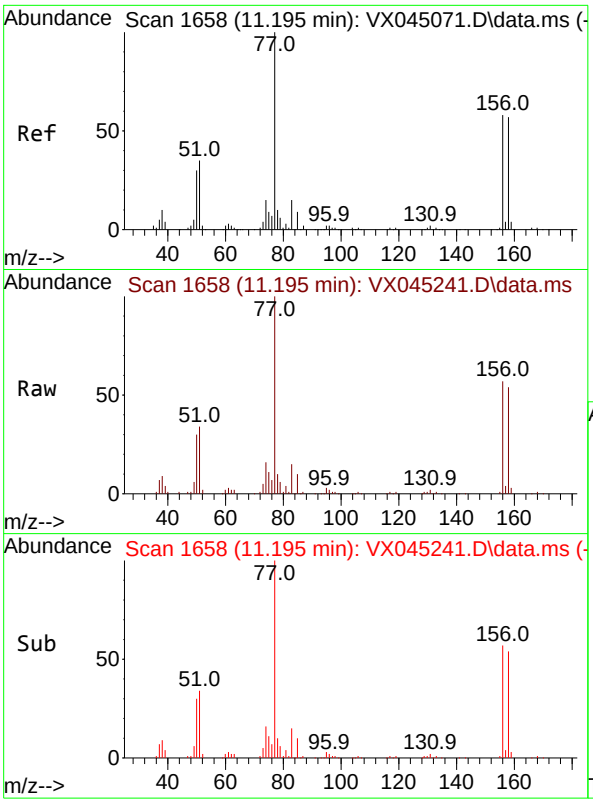


#76
1,2,3-Trichloropropane
Concen: 19.527 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 31567

Ion	Ratio	Lower	Upper
75	100		
77	39.9	20.7	62.1

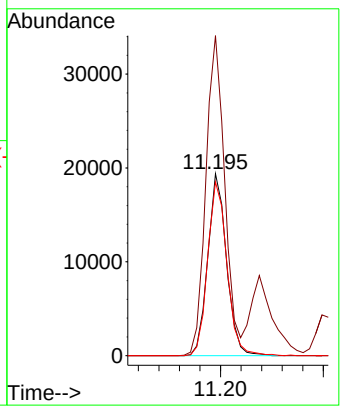




#77
Bromobenzene
Concen: 19.169 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:156 Resp: 2451

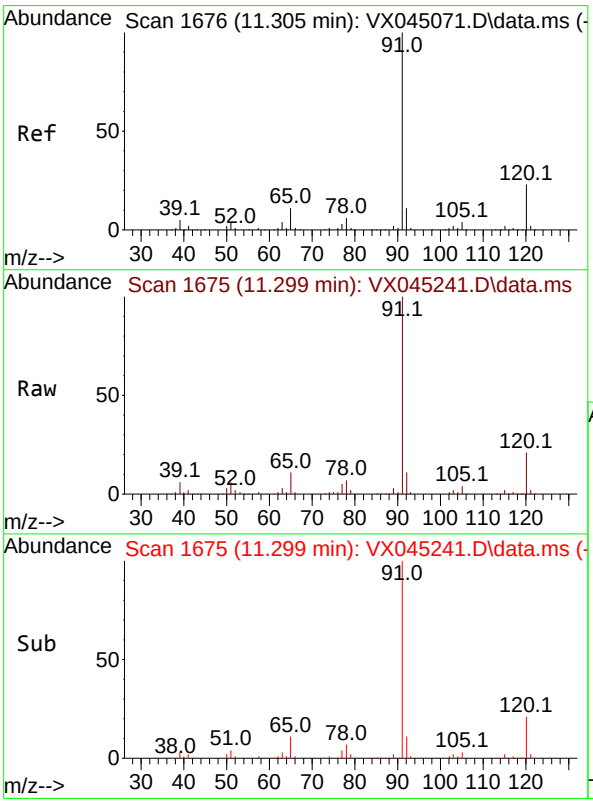
Ion	Ratio	Lower	Upper
156	100		
77	177.0	85.8	257.4
158	98.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

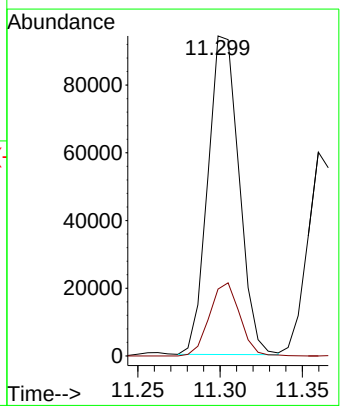
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

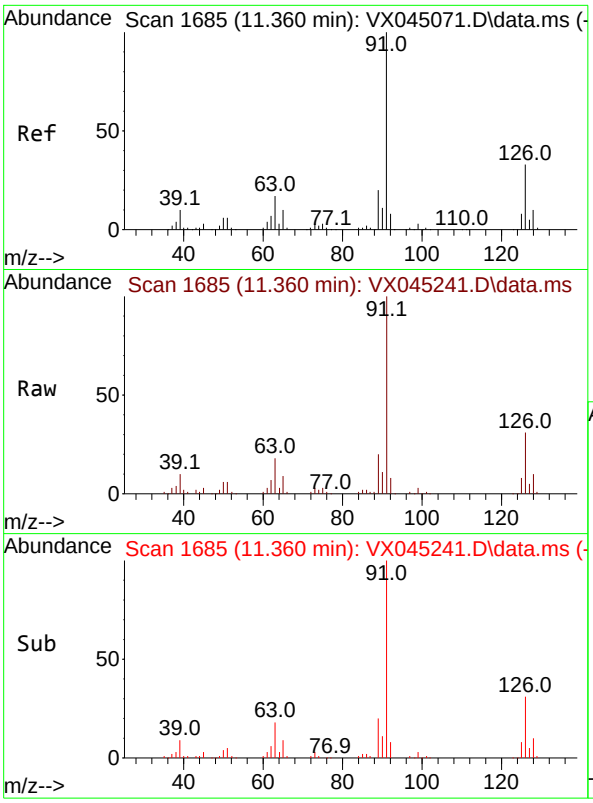


#78
n-propylbenzene
Concen: 20.237 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 91 Resp: 123926

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

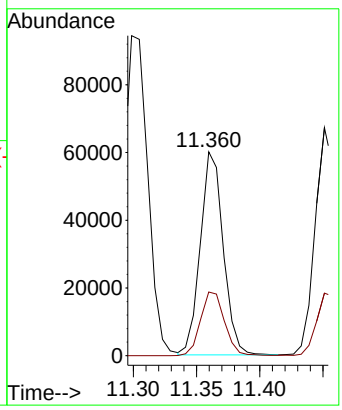




#79
2-Chlorotoluene
Concen: 19.435 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 91 Resp: 7579

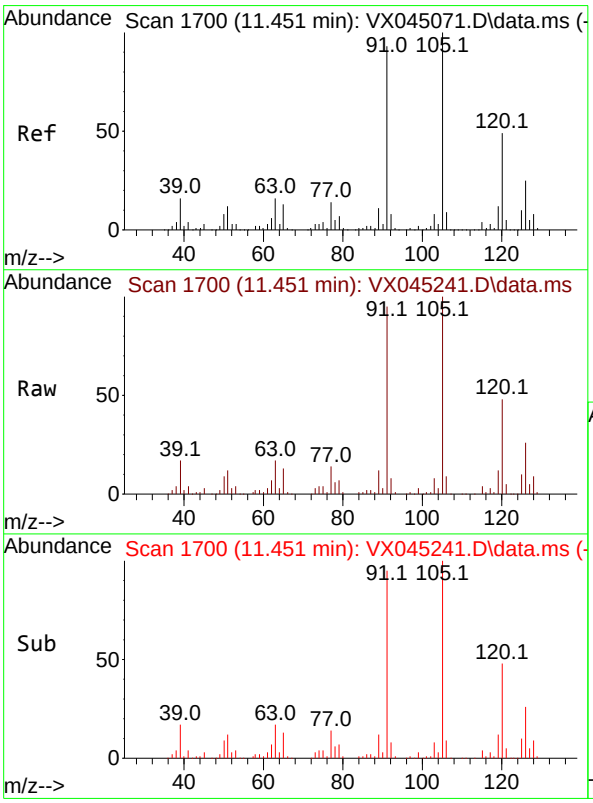
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

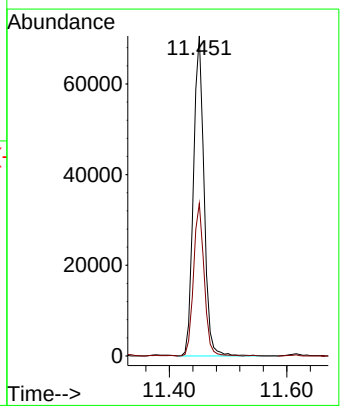
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

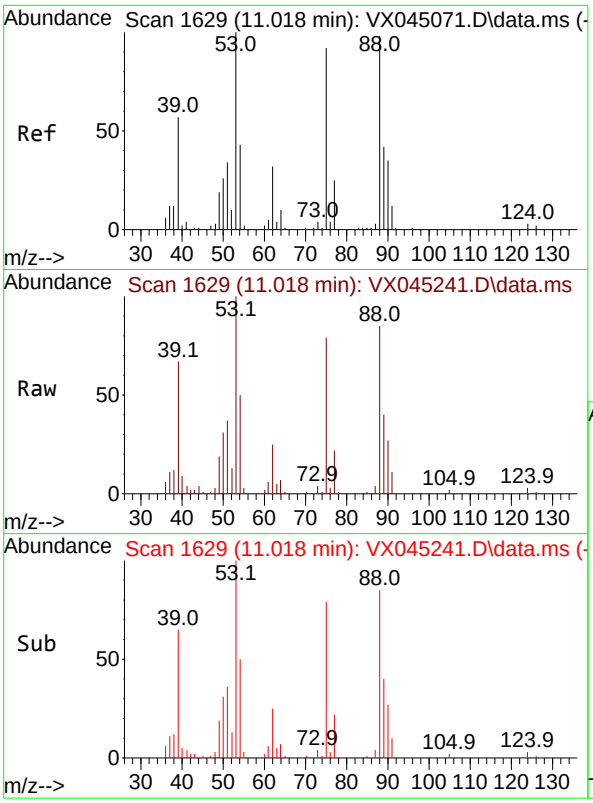


#80
1,3,5-Trimethylbenzene
Concen: 20.229 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:105 Resp: 88673

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2

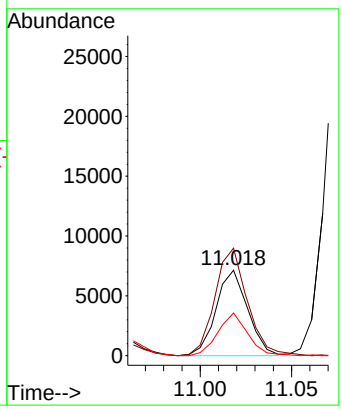




#81
trans-1,4-Dichloro-2-butene
Concen: 18.286 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 863

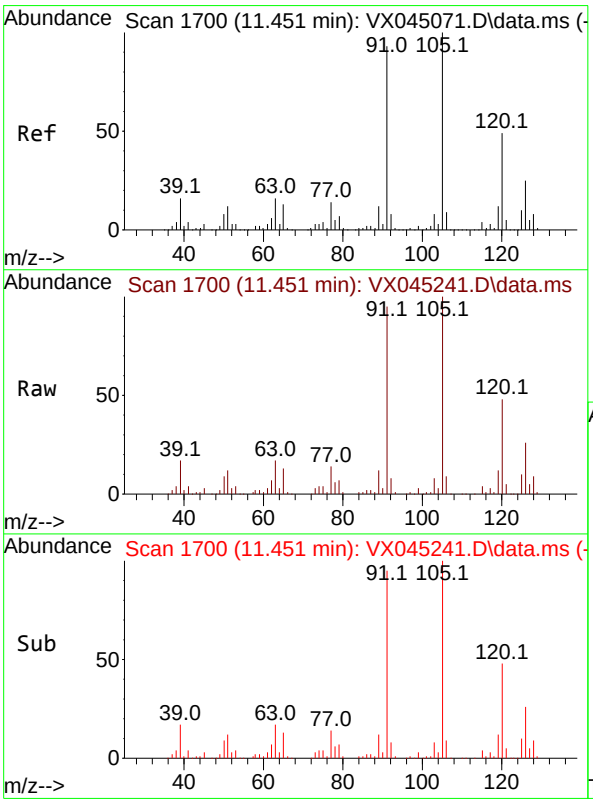
Ion	Ratio	Lower	Upper
75	100		
53	128.7	88.5	132.7
89	46.9	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

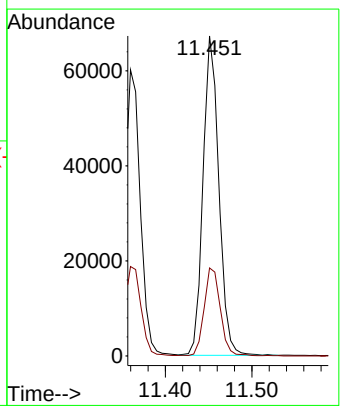
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

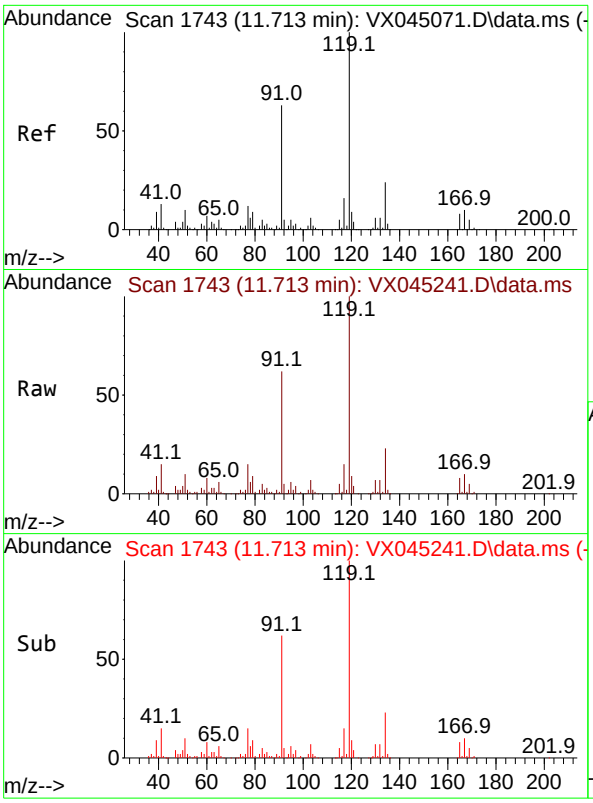


#82
4-Chlorotoluene
Concen: 20.038 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 91 Resp: 85173

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

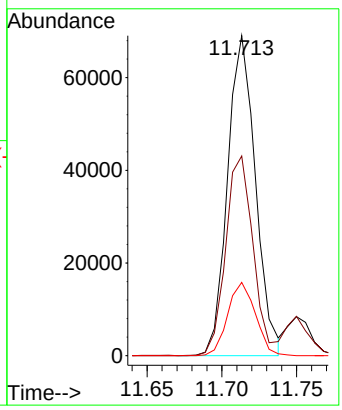




#83
tert-Butylbenzene
Concen: 19.921 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:119 Resp: 8972

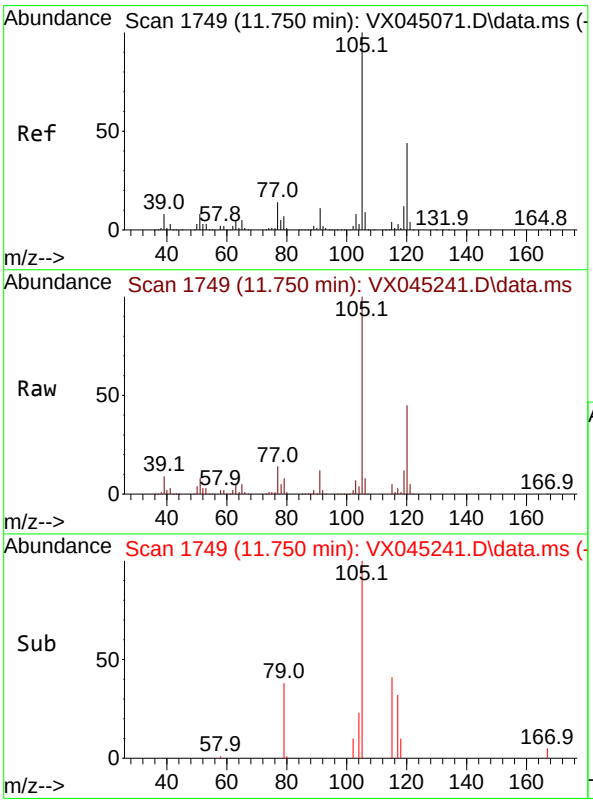
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.7	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

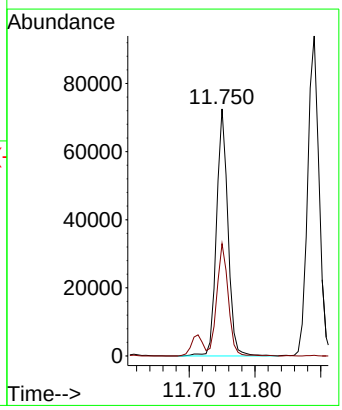
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

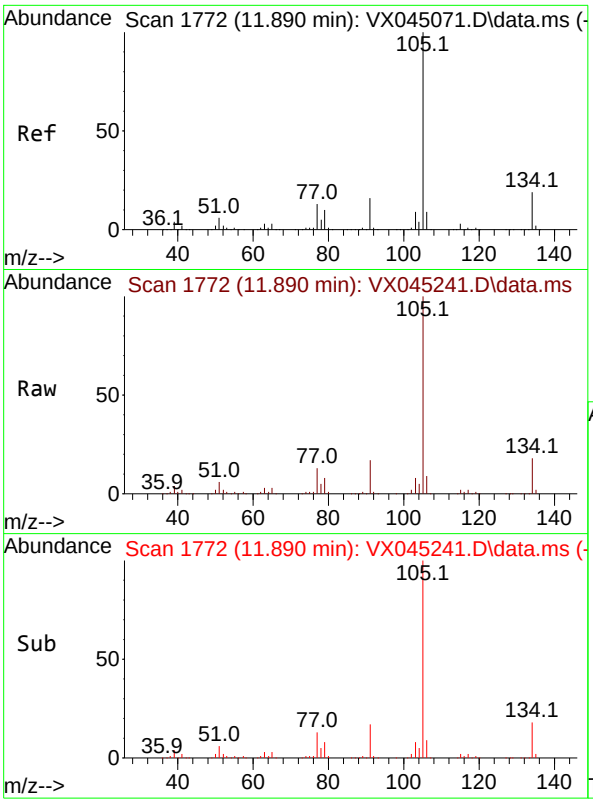


#84
1,2,4-Trimethylbenzene
Concen: 19.837 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:105 Resp: 87493

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.976 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

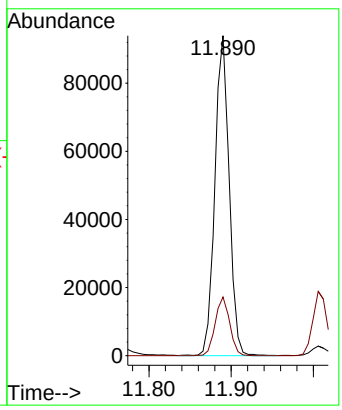
Tgt Ion:105 Resp: 11316

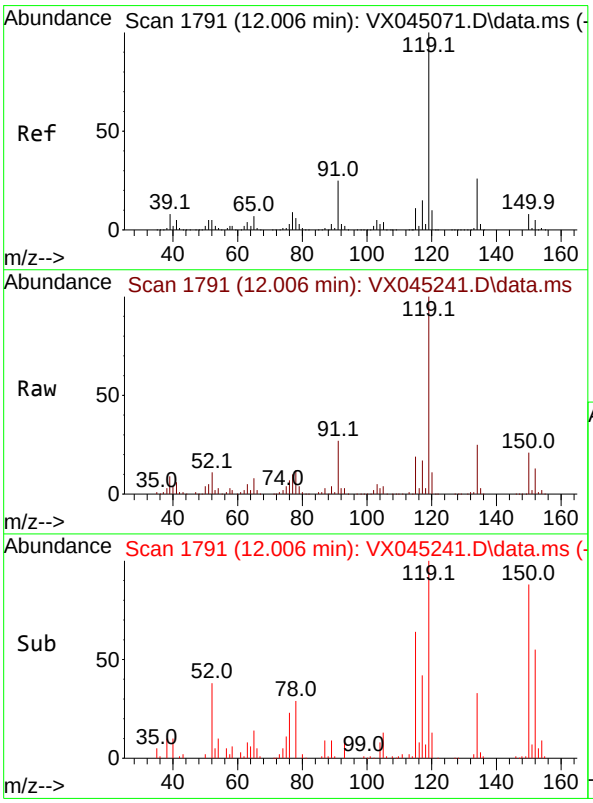
Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

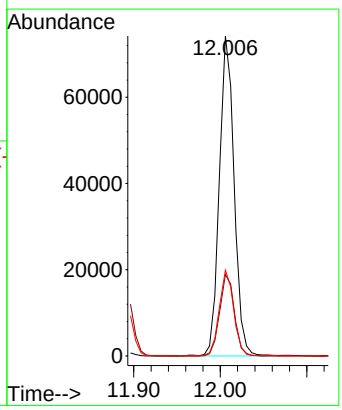


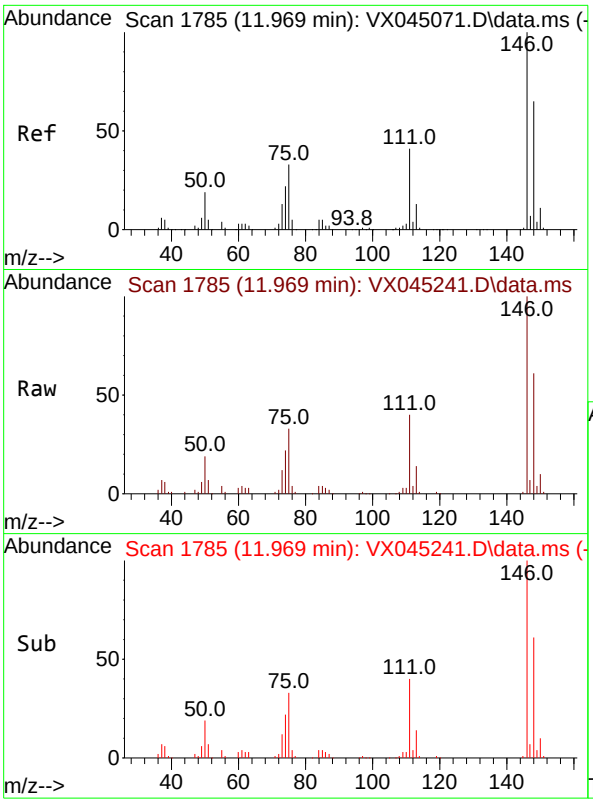


#86
p-Isopropyltoluene
Concen: 20.228 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:119 Resp: 88190

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.0	12.7	38.0

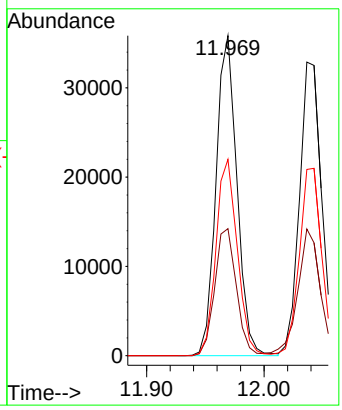




#87
1,3-Dichlorobenzene
Concen: 19.494 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:146 Resp: 4448

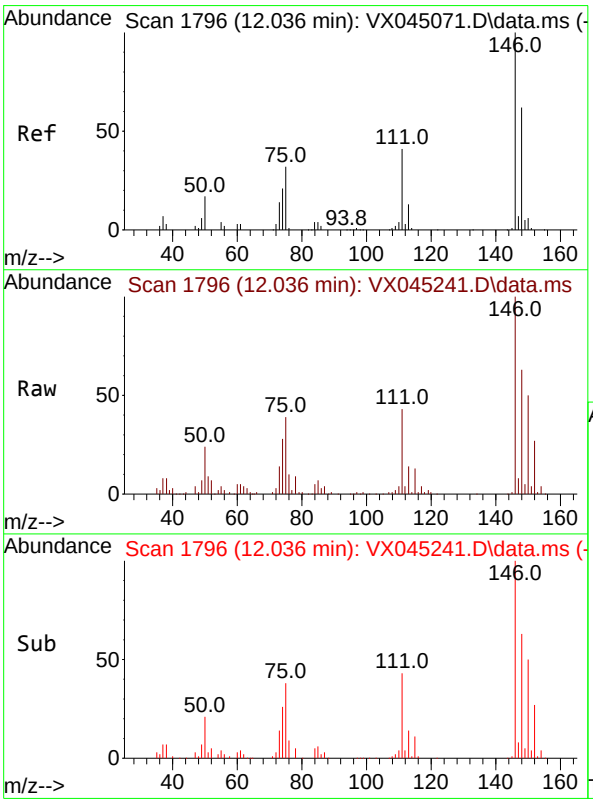
Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	62.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

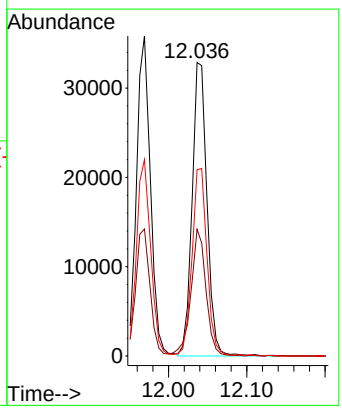
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

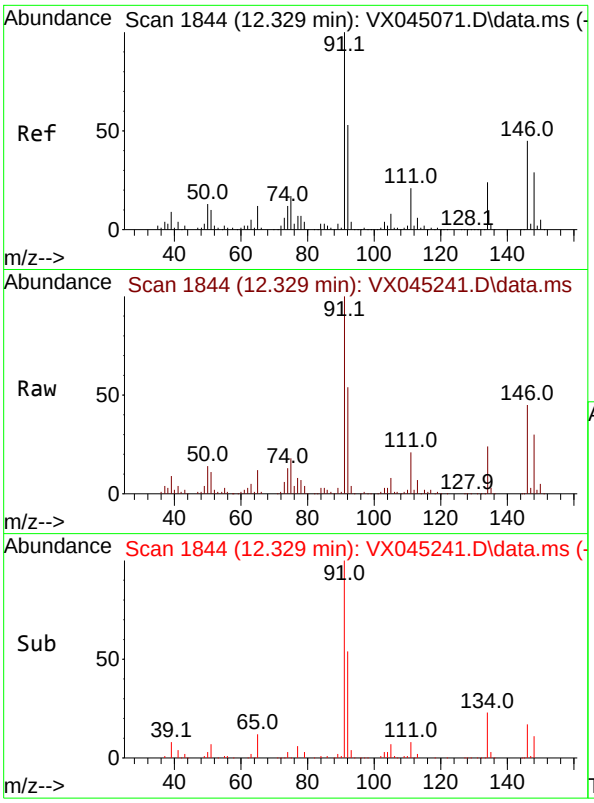


#88
1,4-Dichlorobenzene
Concen: 18.873 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:146 Resp: 43569

Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.2	60.5
148	63.7	31.9	95.9

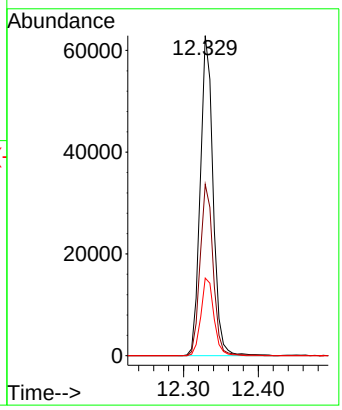




#89
n-Butylbenzene
Concen: 19.890 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 91 Resp: 7468

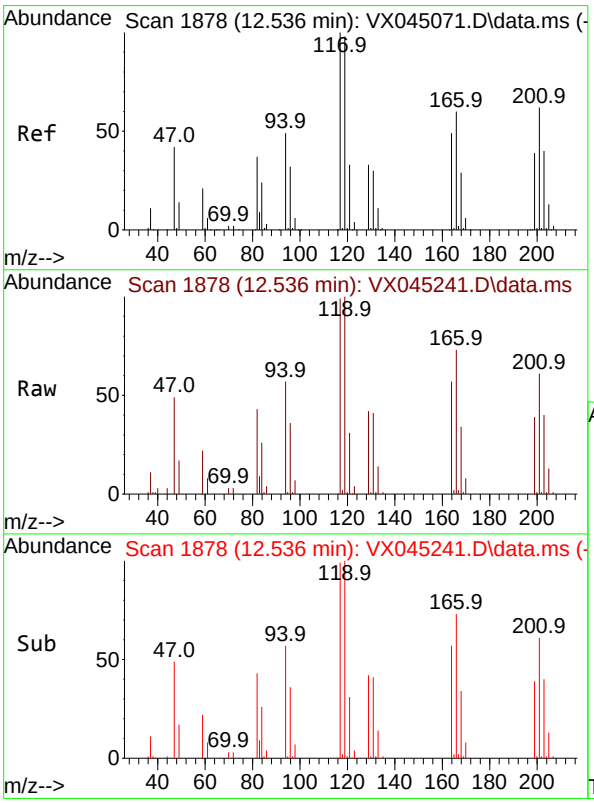
Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.0
134	24.7	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

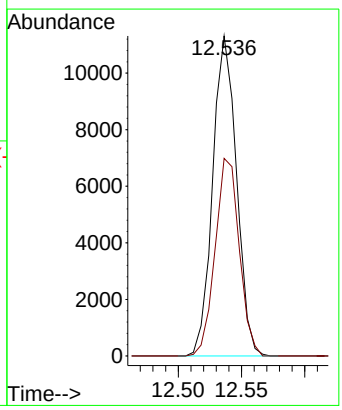
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

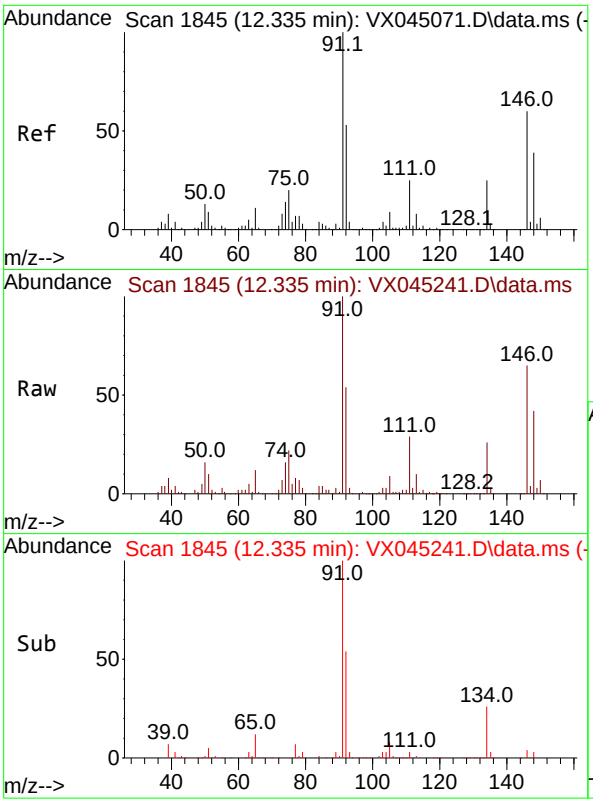


#90
Hexachloroethane
Concen: 18.764 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:117 Resp: 14797

Ion	Ratio	Lower	Upper
117	100		
201	62.5	31.9	95.9

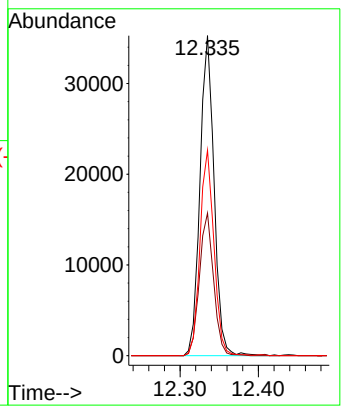




#91
1,2-Dichlorobenzene
Concen: 19.275 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:146 Resp: 4411

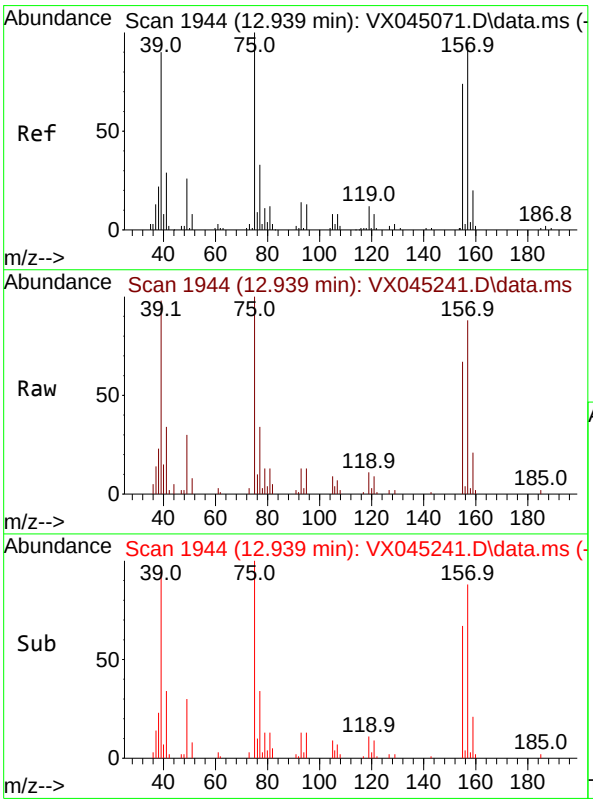
Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.6	65.0
148	63.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations
APPROVED

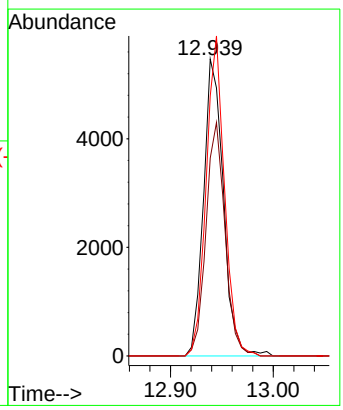
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

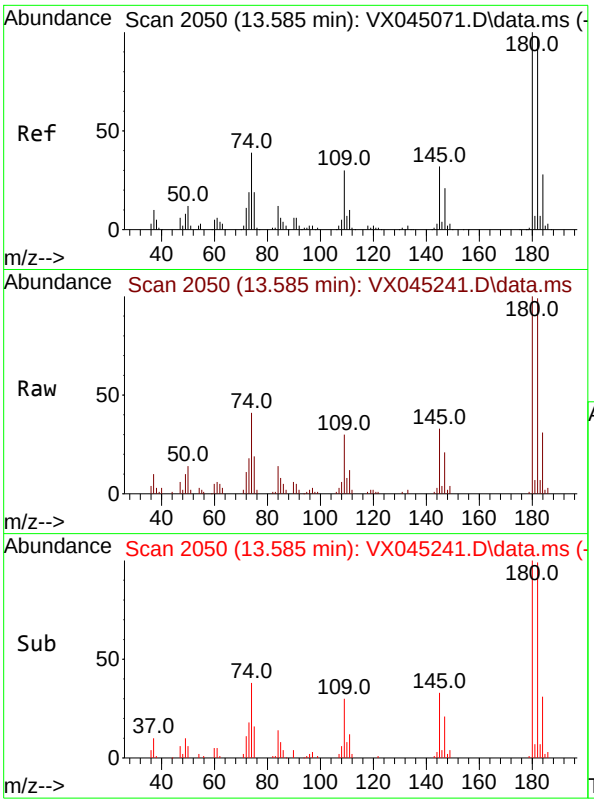


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.947 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 7343

Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.6	118.7
157	99.5	51.1	153.4

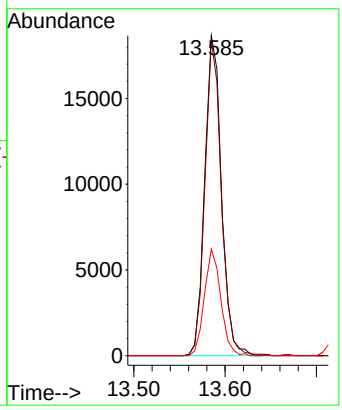




#93
1,2,4-Trichlorobenzene
Concen: 18.237 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:180 Resp: 2376

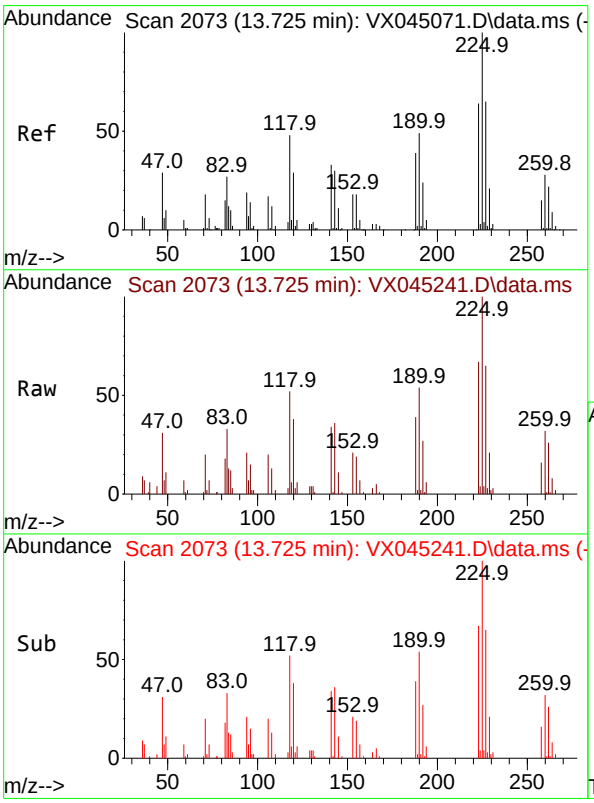
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

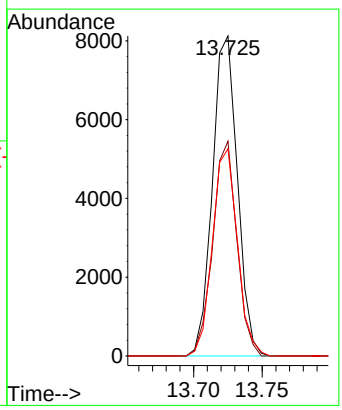
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

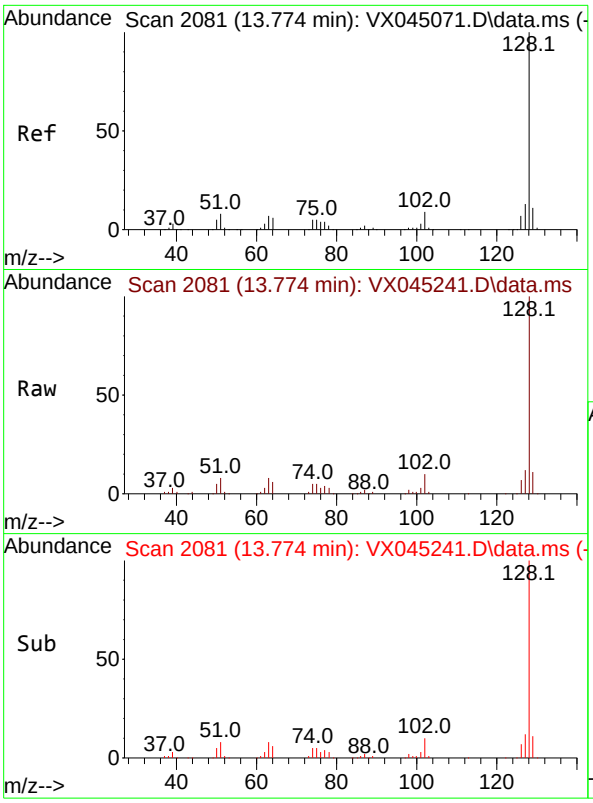


#94
Hexachlorobutadiene
Concen: 19.261 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:225 Resp: 10292

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.9	95.7
227	64.8	31.4	94.0

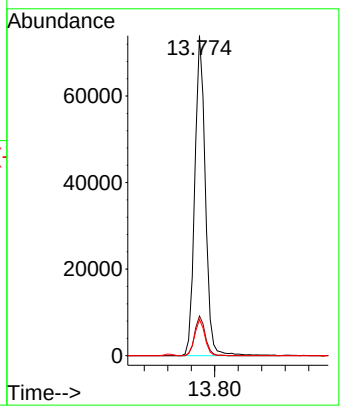




#95
Naphthalene
Concen: 18.401 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:128 Resp: 9214

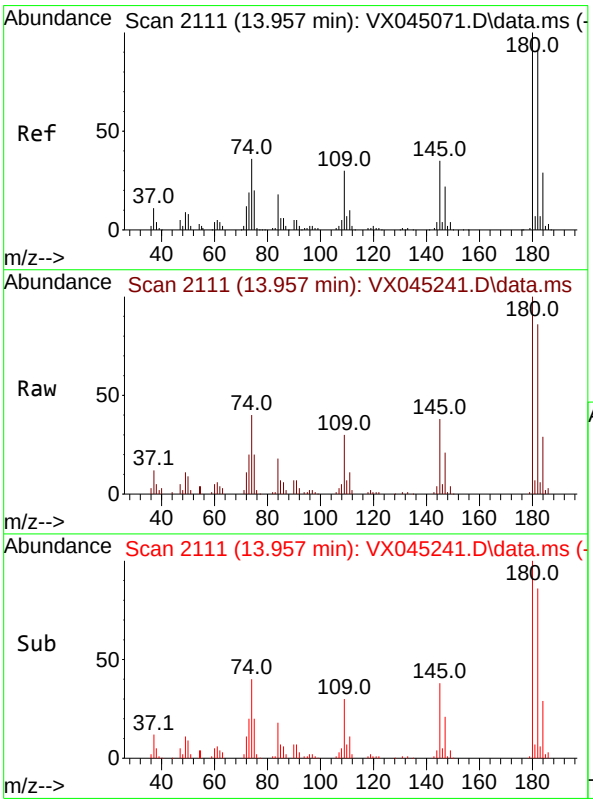
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Manual Integrations APPROVED

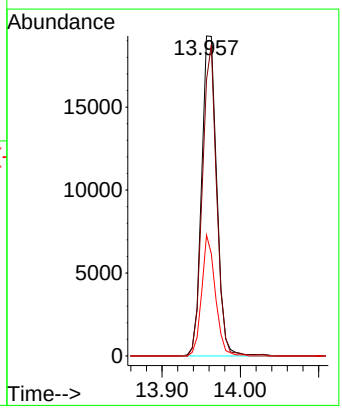
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.764 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:180 Resp: 25800

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	34.1	17.0	50.9



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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBSD01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBSD01	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
VX045242.D	1		03/12/25 12:38	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.9		0.22	0.50	5.00	ug/L
74-87-3	Chloromethane	17.3		0.32	0.50	5.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.26	0.75	5.00	ug/L
74-83-9	Bromomethane	18.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.7		0.47	0.50	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.2		0.33	0.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.23	0.75	5.00	ug/L
67-64-1	Acetone	91.9		1.50	3.80	25.0	ug/L
75-15-0	Carbon Disulfide	14.9		0.21	0.75	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.9		0.16	0.50	5.00	ug/L
79-20-9	Methyl Acetate	22.1		0.27	0.75	5.00	ug/L
75-09-2	Methylene Chloride	18.3		0.28	0.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	0.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.23	0.50	5.00	ug/L
110-82-7	Cyclohexane	17.9		1.50	3.80	5.00	ug/L
78-93-3	2-Butanone	97.8		0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	0.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.19	0.50	5.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	0.50	5.00	ug/L
67-66-3	Chloroform	18.8		0.25	0.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.20	0.75	5.00	ug/L
108-87-2	Methylcyclohexane	19.9		0.16	0.50	5.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	19.0		0.090	0.75	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	0.50	5.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	0.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	25.0	ug/L
108-88-3	Toluene	19.9		0.14	0.50	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:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBSD01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBSD01	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
VX045242.D	1		03/12/25 12:38	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.17	0.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	0.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.21	0.50	5.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	25.0	ug/L
124-48-1	Dibromochloromethane	19.8		0.18	0.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.15	0.50	5.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	0.50	5.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	0.50	5.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	1.00	10.0	ug/L
95-47-6	o-Xylene	19.2		0.12	0.50	5.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	5.00	ug/L
75-25-2	Bromoform	19.5		0.19	0.50	5.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.12	0.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.26	0.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	0.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.19	0.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	0.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.53	2.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.2		0.20	0.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.20	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	92200	5.544				
540-36-3	1,4-Difluorobenzene	162000	6.757				
3114-55-4	Chlorobenzene-d5	147000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67800	12.018				

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0312WBSD01	SDG No.:	Q1539
Lab Sample ID:	VX0312WBSD01	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
VX045242.D	1		03/12/25 12:38	VX031225

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\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73422	50.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.100%			
35) Dibromofluoromethane	5.379	113	53880	49.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	195097	49.747	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	11.079	95	69972	53.843	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	20755	17.877	ug/l	97
3) Chloromethane	1.307	50	24592	17.309	ug/l	97
4) Vinyl Chloride	1.374	62	22836	16.202	ug/l	100
5) Bromomethane	1.593	94	10126	18.276	ug/l	99
6) Chloroethane	1.660	64	12779	19.657	ug/l	95
7) Trichlorofluoromethane	1.867	101	33974	18.209	ug/l	97
8) Diethyl Ether	2.130	74	12211	16.732	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	21220	19.796	ug/l	99
10) Methyl Iodide	2.441	142	24876	18.570	ug/l	98
11) Tert butyl alcohol	2.983	59	21060	75.787	ug/l	98
12) 1,1-Dichloroethene	2.306	96	20406	18.006	ug/l	99
13) Acrolein	2.233	56	22172	69.023	ug/l	100
14) Allyl chloride	2.654	41	38311	18.991	ug/l	99
15) Acrylonitrile	3.062	53	72265	97.031	ug/l	100
16) Acetone	2.386	43	62567	91.920	ug/l	97
17) Carbon Disulfide	2.501	76	45065	14.929	ug/l	97
18) Methyl Acetate	2.703	43	36210	22.113	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71785	18.880	ug/l	98
20) Methylene Chloride	2.782	84	24658	18.288	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	20073	17.928	ug/l	98
22) Diisopropyl ether	3.757	45	78233	19.068	ug/l #	82
23) Vinyl Acetate	3.721	43	326230	95.283	ug/l	99
24) 1,1-Dichloroethane	3.599	63	42368	18.426	ug/l	99
25) 2-Butanone	4.556	43	100153	97.751	ug/l	100
26) 2,2-Dichloropropane	4.471	77	26636	24.697	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	25820	18.681	ug/l	95
28) Bromochloromethane	4.891	49	22235	20.288	ug/l	98
29) Tetrahydrofuran	5.007	42	65451	95.125	ug/l	98
30) Chloroform	5.086	83	43024	18.832	ug/l	99
31) Cyclohexane	5.464	56	35812	17.942	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	34912	18.920	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28290	19.069	ug/l	100
37) Ethyl Acetate	4.715	43	35377	18.506	ug/l	98
38) Carbon Tetrachloride	5.672	117	28811	19.129	ug/l	97
39) Methylcyclohexane	7.373	83	35429	19.931	ug/l	97
40) Benzene	6.031	78	89979	19.207	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20678	20.005	ug/l		97
42) 1,2-Dichloroethane	6.080	62	33037	19.584	ug/l		98
43) Isopropyl Acetate	6.342	43	57228	20.245	ug/l		99
44) Trichloroethene	7.123	130	20872	18.975	ug/l		93
45) 1,2-Dichloropropane	7.427	63	23304	19.348	ug/l		98
46) Dibromomethane	7.580	93	17601	20.675	ug/l		95
47) Bromodichloromethane	7.818	83	33320	19.954	ug/l		99
48) Methyl methacrylate	7.690	41	28608	20.173	ug/l		97
49) 1,4-Dioxane	7.665	88	10713	358.121	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	202750	106.822	ug/l		100
52) Toluene	8.714	92	54775	19.928	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	27114	19.422	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	32101	19.719	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	22184	19.605	ug/l		97
56) Ethyl methacrylate	9.116	69	34777	20.219	ug/l		96
57) 1,3-Dichloropropane	9.305	76	39515	20.179	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	83766	99.837	ug/l		99
59) 2-Hexanone	9.427	43	148797	108.201	ug/l		98
60) Dibromochloromethane	9.519	129	23484	19.849	ug/l		97
61) 1,2-Dibromoethane	9.610	107	22888	20.262	ug/l		97
64) Tetrachloroethene	9.269	164	17650	18.769	ug/l		94
65) Chlorobenzene	10.073	112	60427	19.450	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	19436	18.785	ug/l		97
67) Ethyl Benzene	10.189	91	103845	19.183	ug/l		98
68) m/p-Xylenes	10.299	106	77745	39.231	ug/l		99
69) o-Xylene	10.640	106	38461	19.243	ug/l		99
70) Styrene	10.652	104	65215	20.165	ug/l		99
71) Bromoform	10.799	173	15203	19.486	ug/l	#	99
73) Isopropylbenzene	10.957	105	100711	19.029	ug/l		99
74) N-amyl acetate	10.841	43	47380	19.079	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37293	19.202	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	30501m	19.327	ug/l		
77) Bromobenzene	11.195	156	23439	18.771	ug/l		98
78) n-propylbenzene	11.305	91	116384	19.467	ug/l		98
79) 2-Chlorotoluene	11.360	91	72340	18.999	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83574	19.530	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8254	17.898	ug/l		84
82) 4-Chlorotoluene	11.451	91	81530	19.647	ug/l		98
83) tert-Butylbenzene	11.713	119	84095	19.126	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	84235	19.563	ug/l		99
85) sec-Butylbenzene	11.890	105	105696	20.068	ug/l		98
86) p-Isopropyltoluene	12.006	119	86171	20.245	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	42891	19.254	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	42057	18.661	ug/l		98
89) n-Butylbenzene	12.329	91	73449	20.035	ug/l		100
90) Hexachloroethane	12.536	117	13431	17.445	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	43417	19.429	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6992	18.480	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	24458	19.222	ug/l		100
94) Hexachlorobutadiene	13.725	225	9972	19.116	ug/l		97
95) Naphthalene	13.774	128	91799	18.778	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	25071	18.677	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

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

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

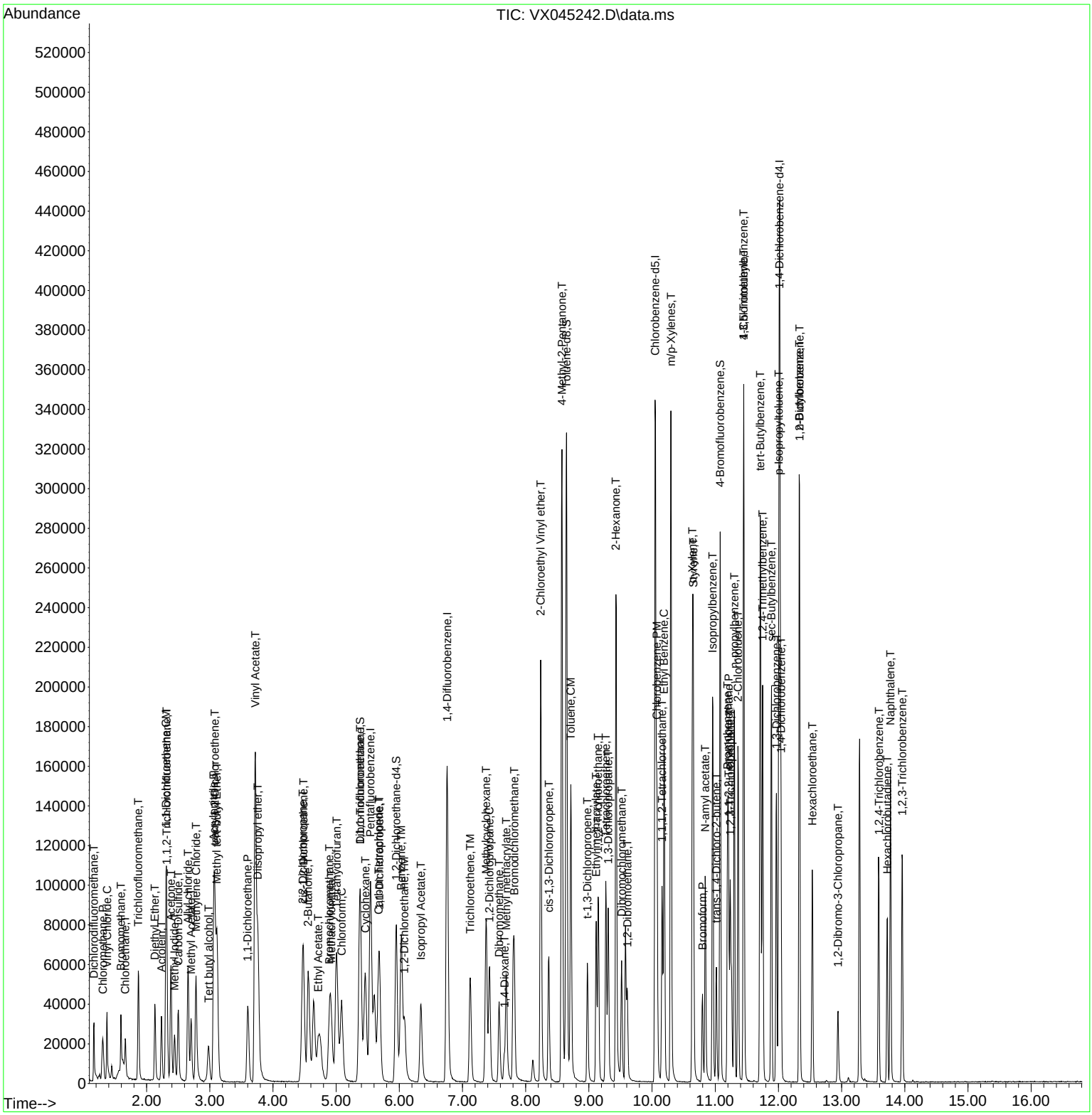
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

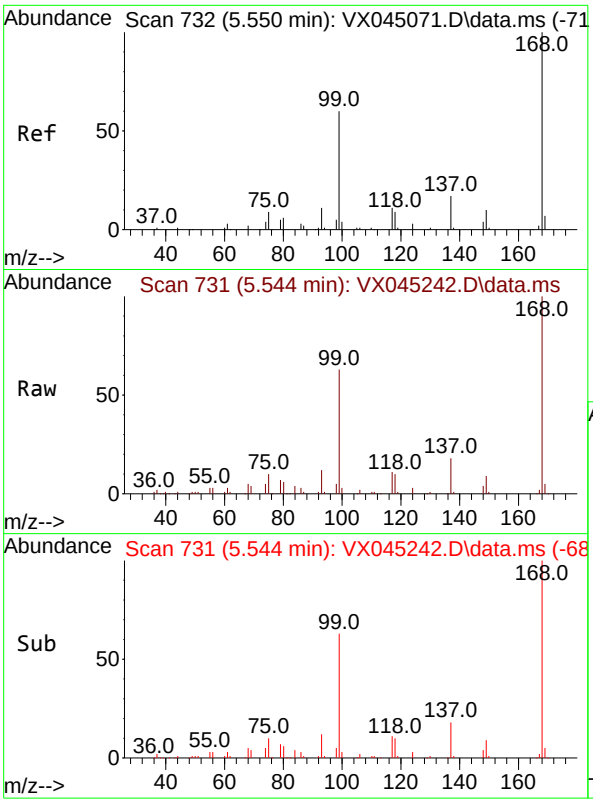
Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

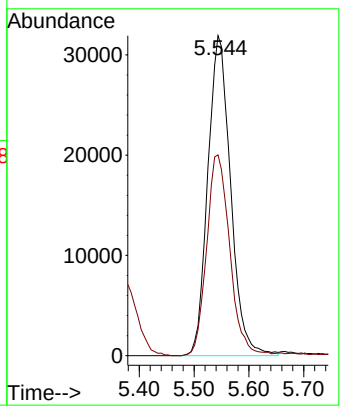




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:168 Resp: 9223

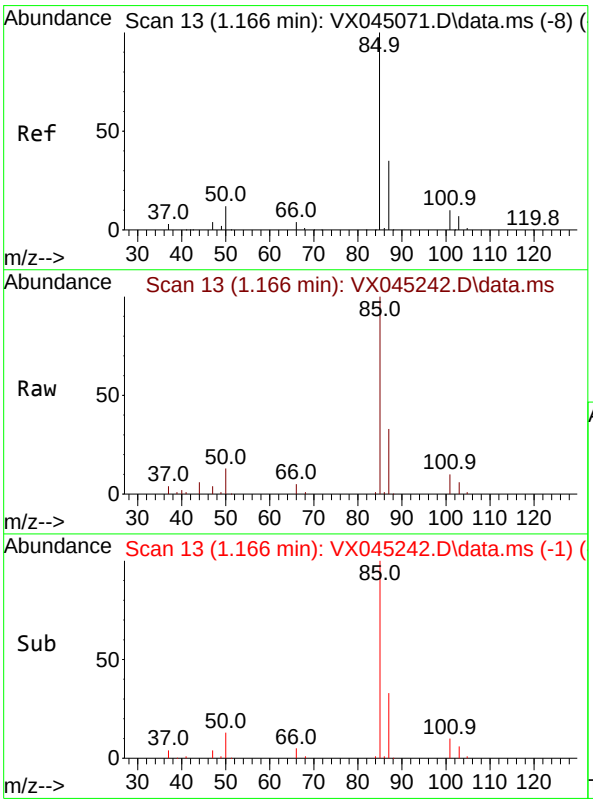
Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

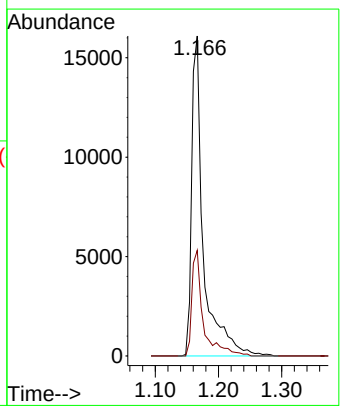
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

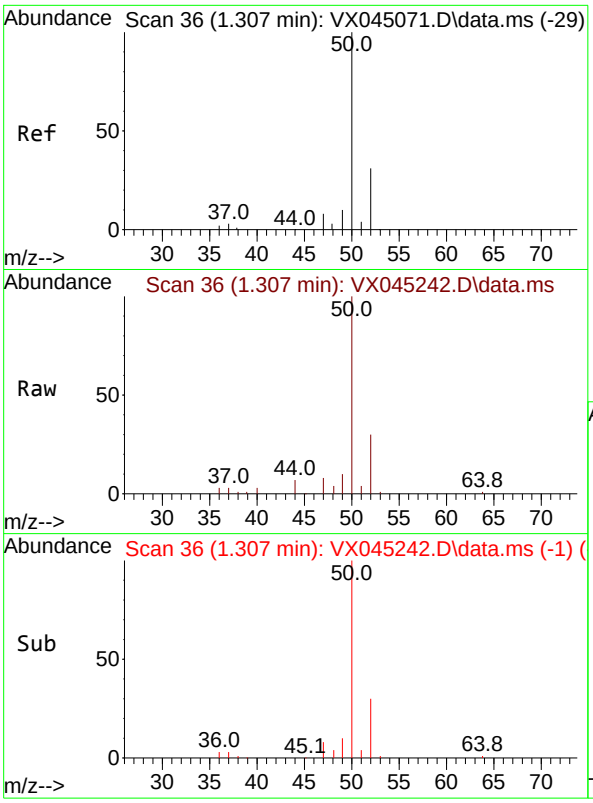


#2
Dichlorodifluoromethane
Concen: 17.877 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 85 Resp: 20755

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3

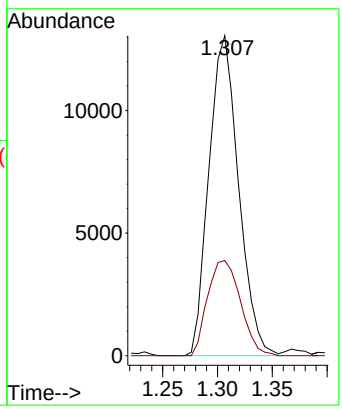




#3
Chloromethane
Concen: 17.309 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 50 Resp: 2459

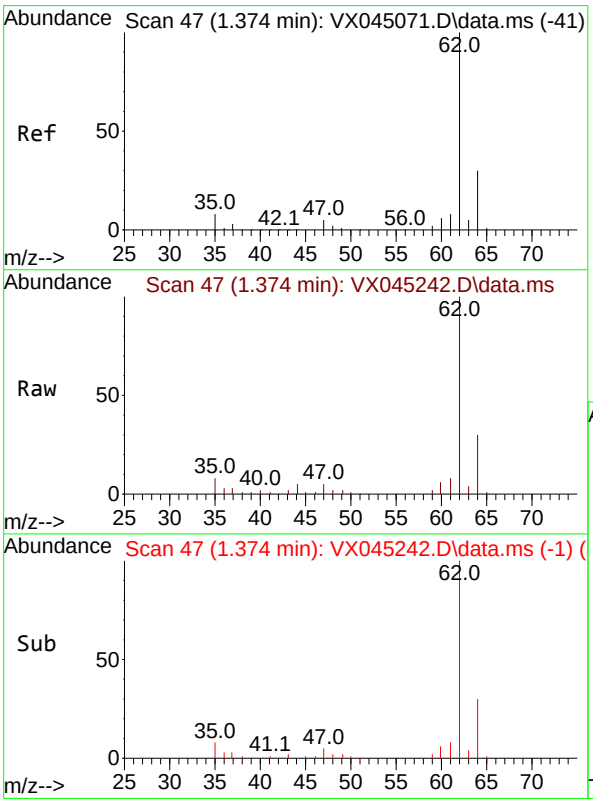
Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

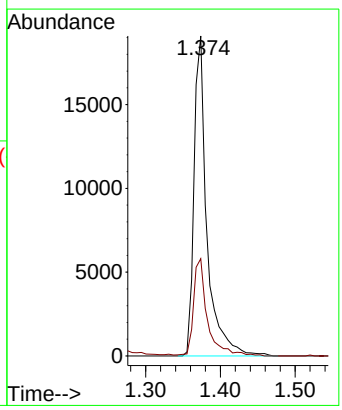
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

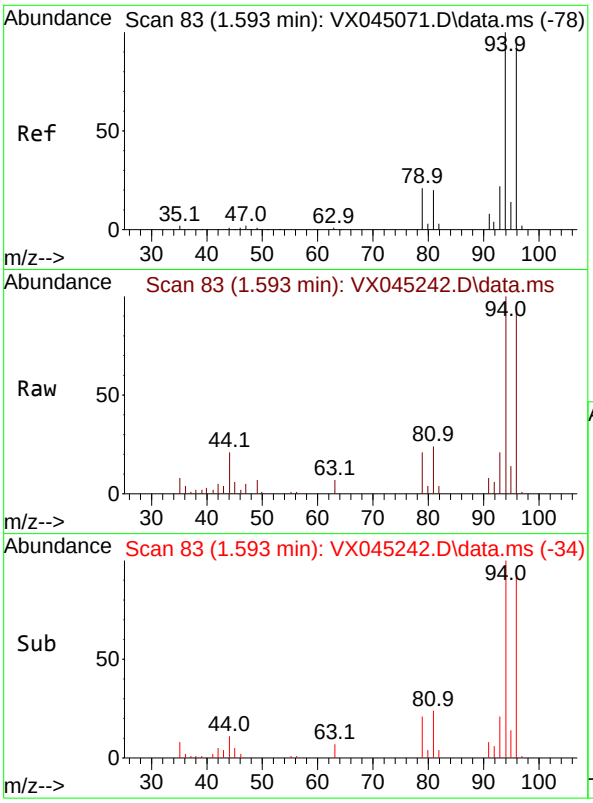


#4
Vinyl Chloride
Concen: 16.202 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 62 Resp: 22836

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

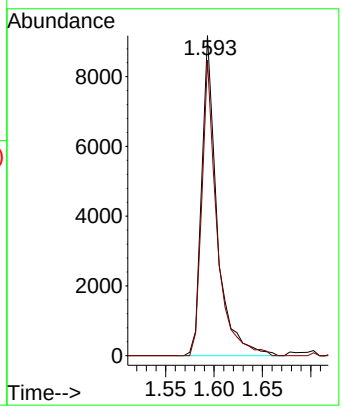




#5
Bromomethane
Concen: 18.276 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 94 Resp: 1012

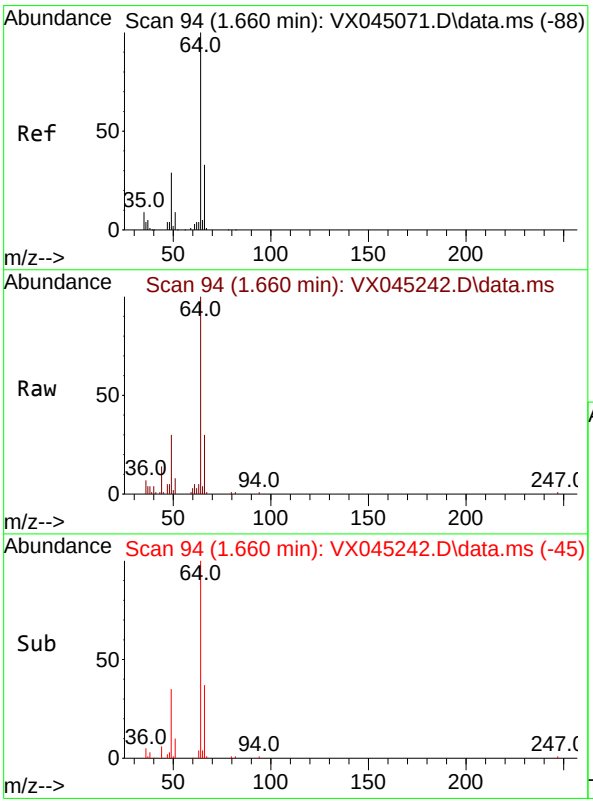
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

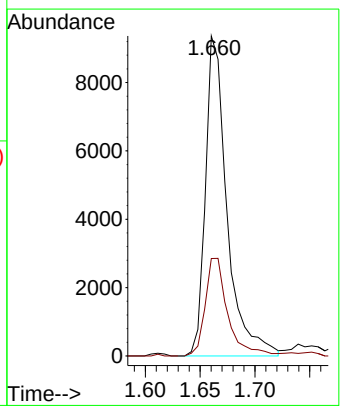
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

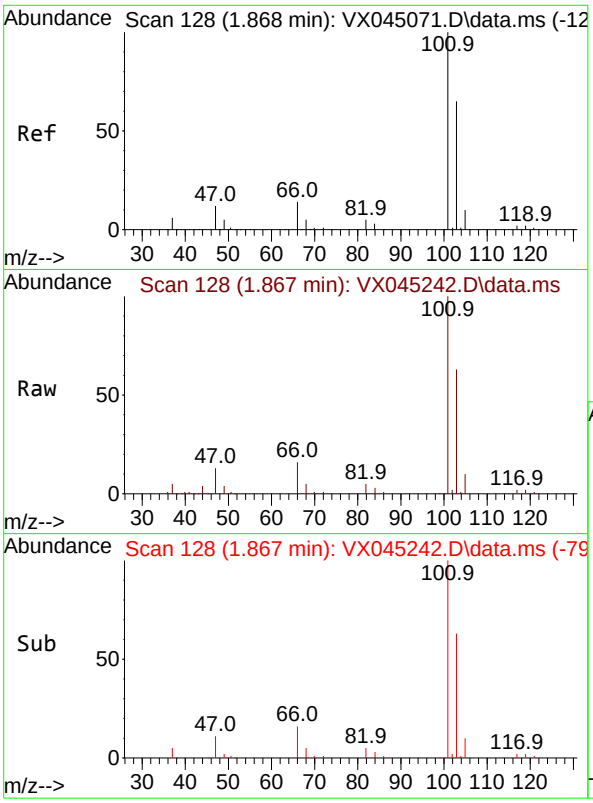


#6
Chloroethane
Concen: 19.657 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 64 Resp: 12779

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.7	40.1

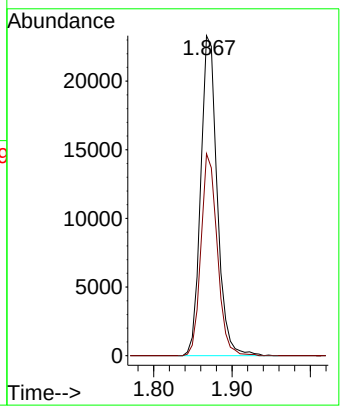




#7
Trichlorofluoromethane
Concen: 18.209 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:101 Resp: 3397

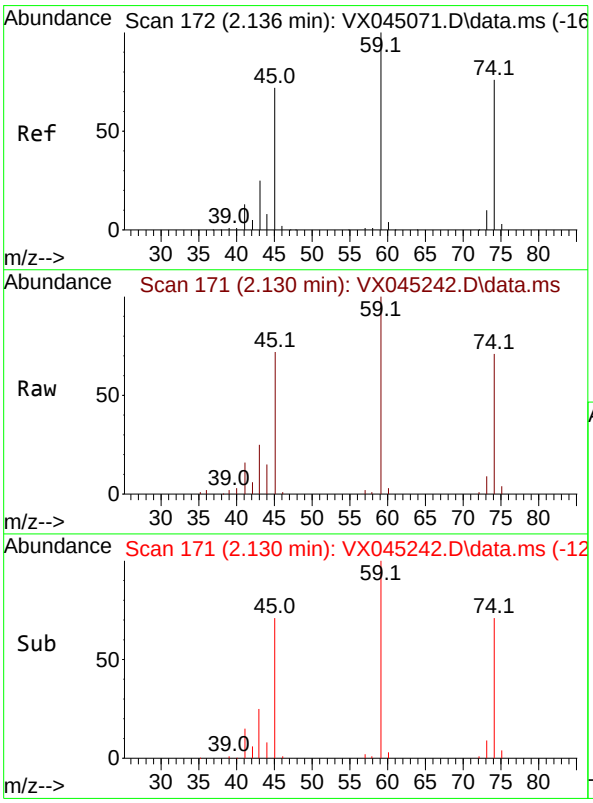
Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

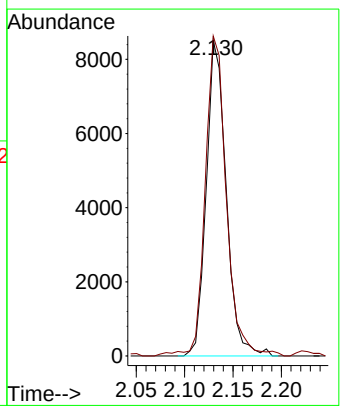
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

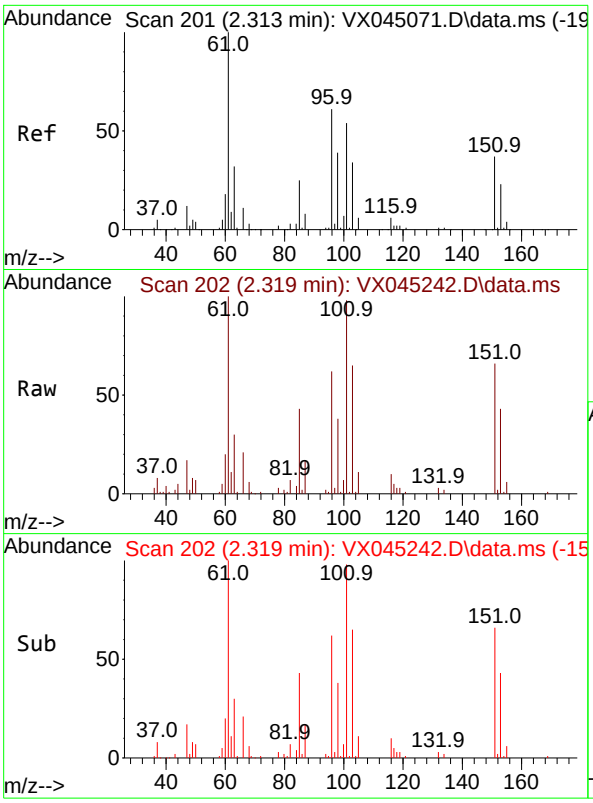


#8
Diethyl Ether
Concen: 16.732 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 74 Resp: 12211

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.796 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

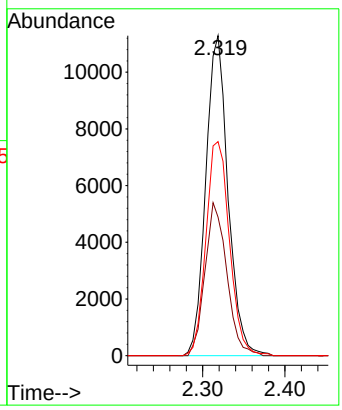
Tgt Ion:101 Resp: 2122

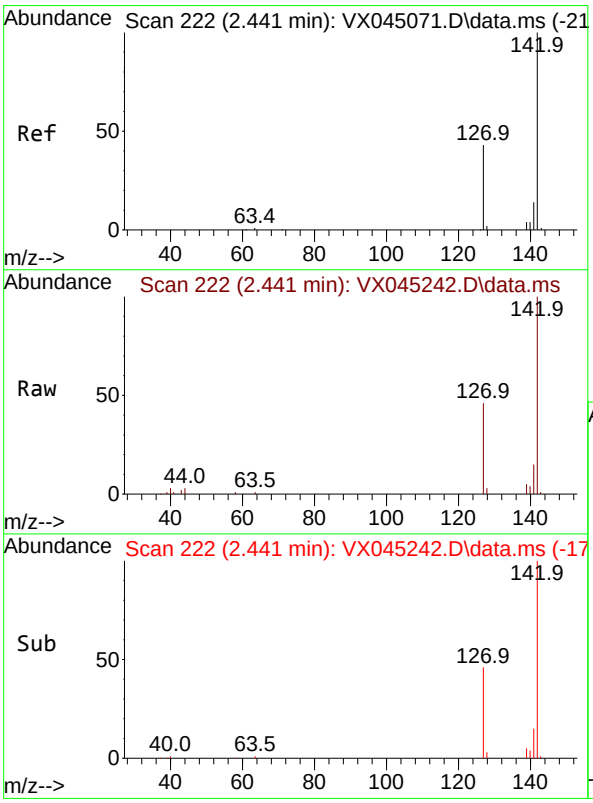
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	70.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

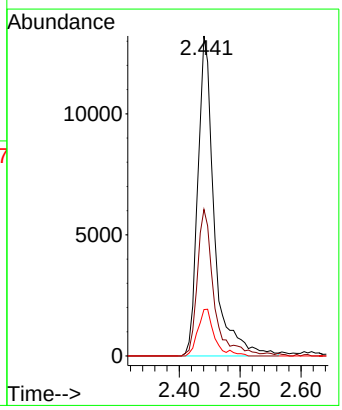


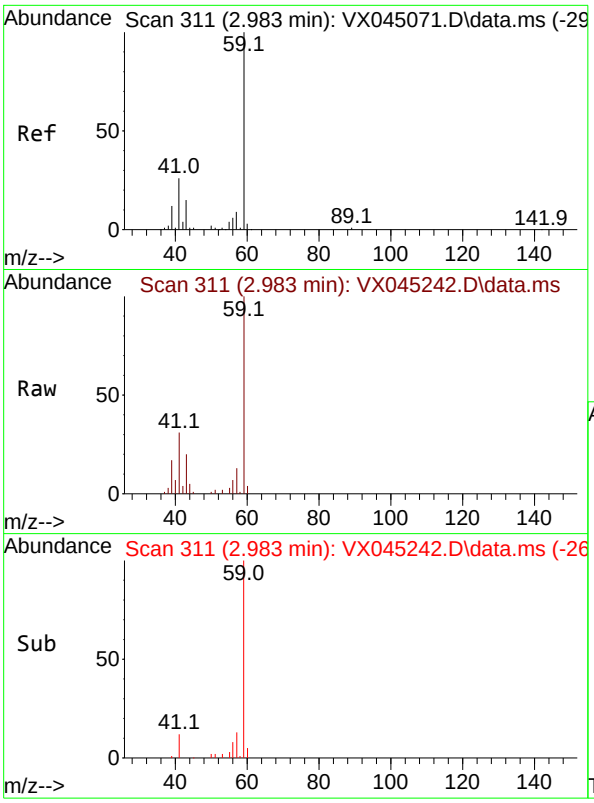


#10
Methyl Iodide
Concen: 18.570 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:142 Resp: 24876

Ion	Ratio	Lower	Upper
142	100		
127	45.9	35.4	53.2
141	14.7	11.6	17.4





#11
Tert butyl alcohol
Concen: 75.787 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

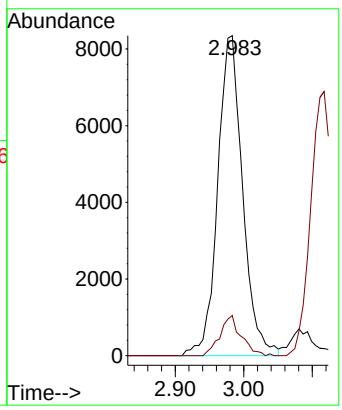
Tgt Ion: 59 Resp: 2106

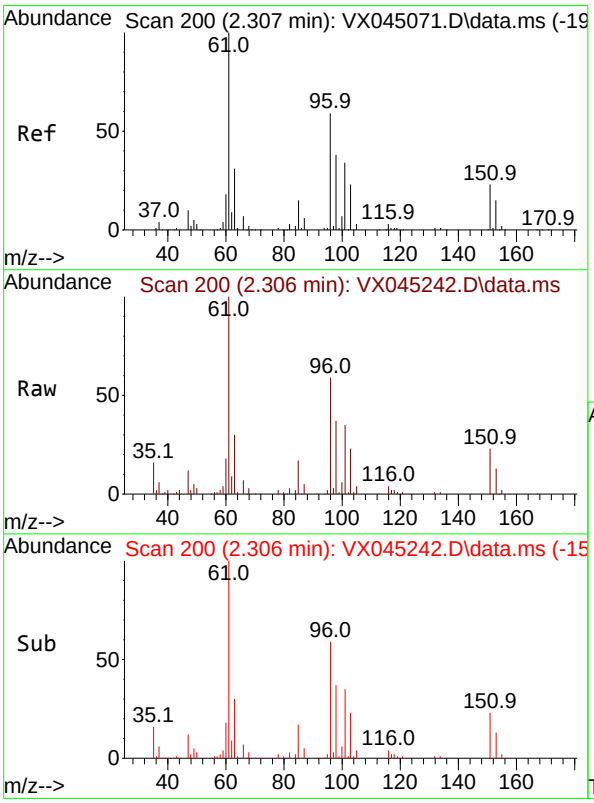
Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

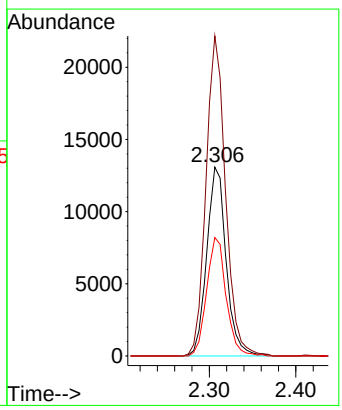


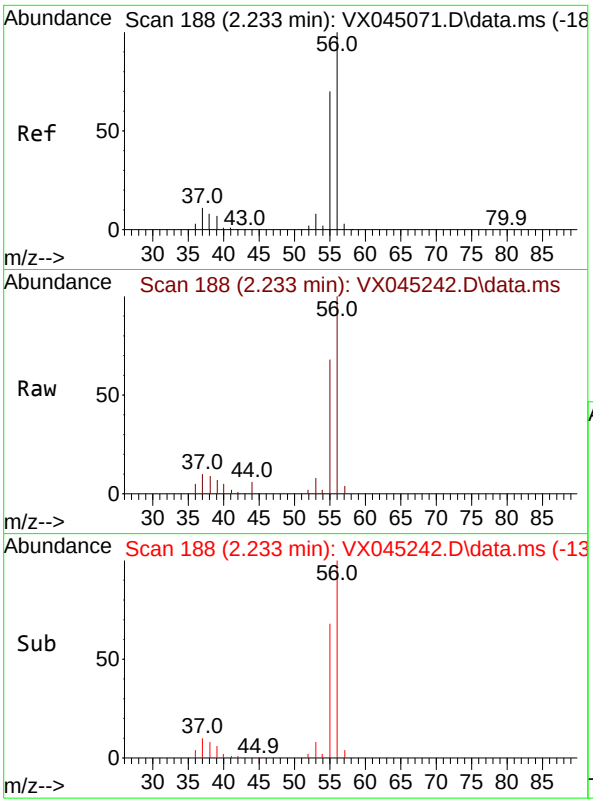


#12
1,1-Dichloroethene
Concen: 18.006 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 96 Resp: 20406

Ion	Ratio	Lower	Upper
96	100		
61	169.4	134.6	202.0
98	62.7	51.0	76.6

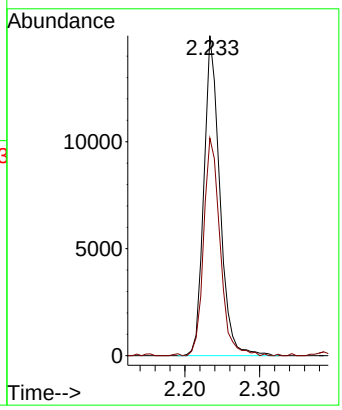




#13
Acrolein
Concen: 69.023 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 56 Resp: 2217

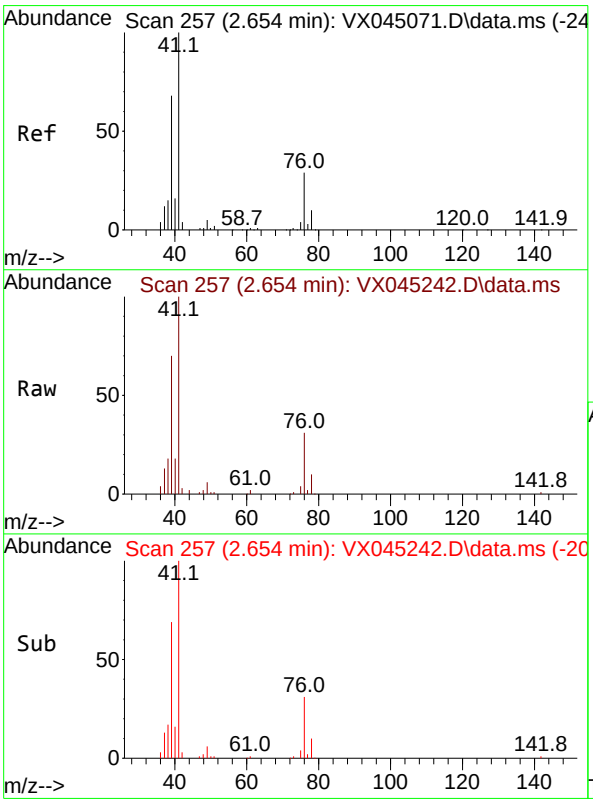
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

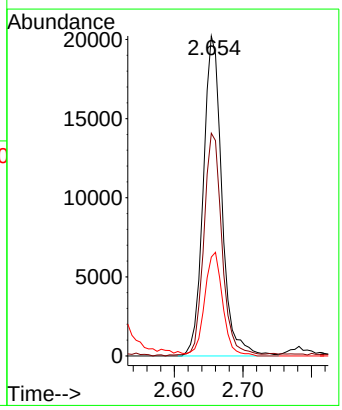
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

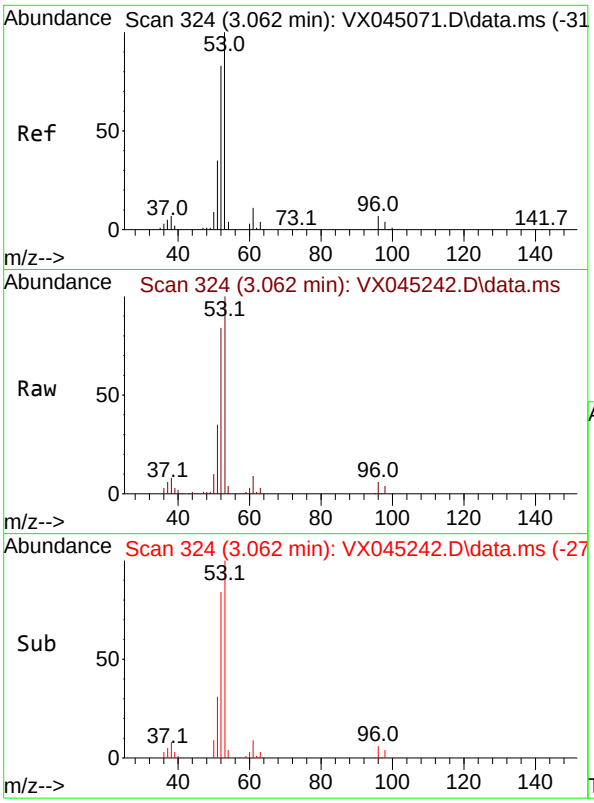


#14
Allyl chloride
Concen: 18.991 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 41 Resp: 38311

Ion	Ratio	Lower	Upper
41	100		
39	68.1	53.8	80.8
76	31.5	25.2	37.8

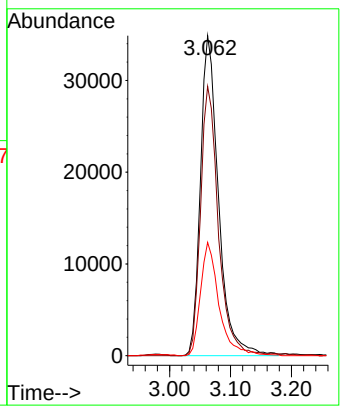




#15
Acrylonitrile
Concen: 97.031 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 53 Resp: 7226

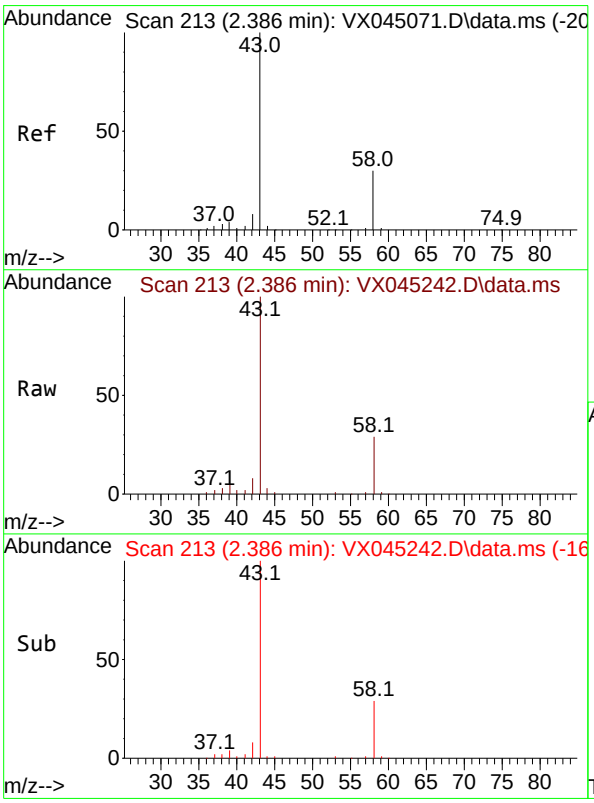
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.1	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

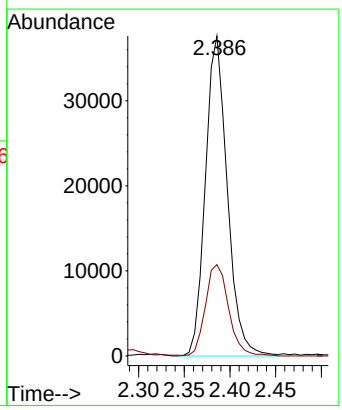
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

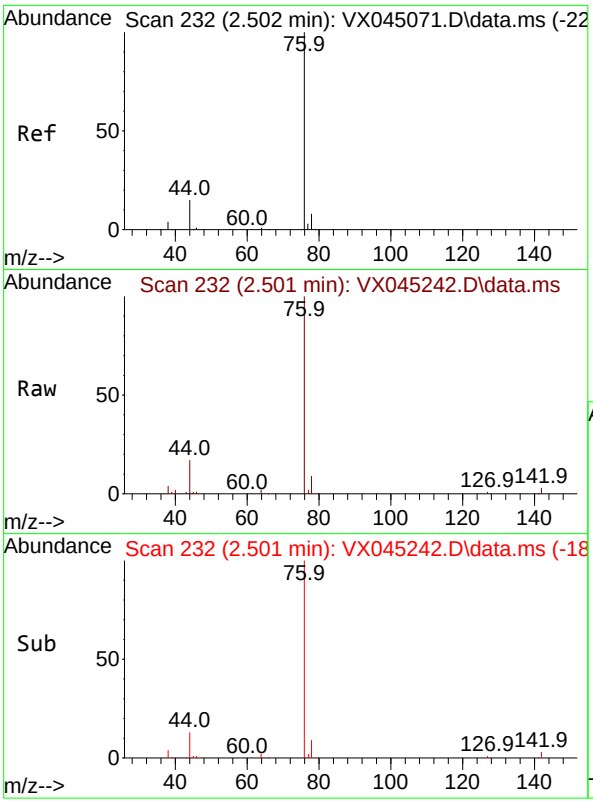


#16
Acetone
Concen: 91.920 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 62567

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4

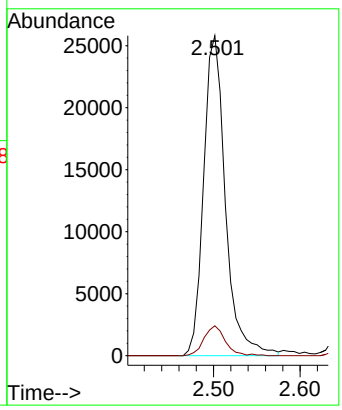




#17
Carbon Disulfide
Concen: 14.929 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 76 Resp: 4506

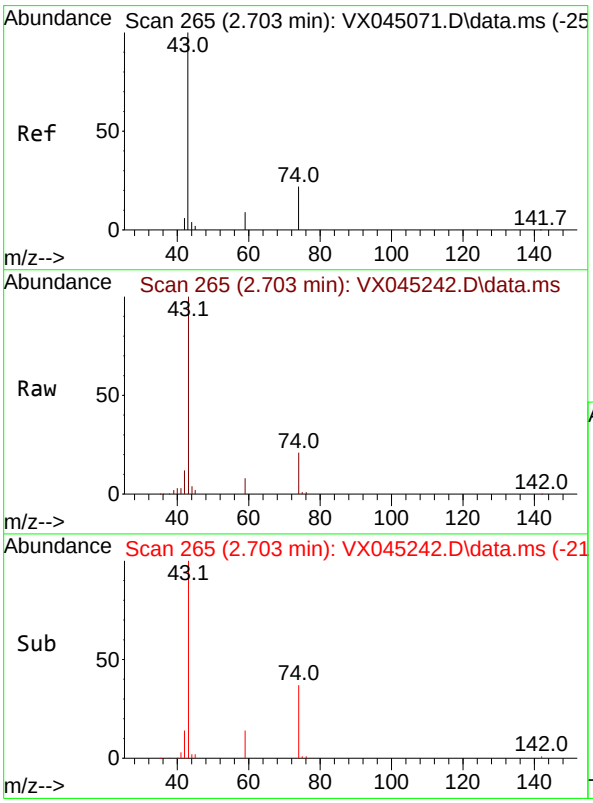
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

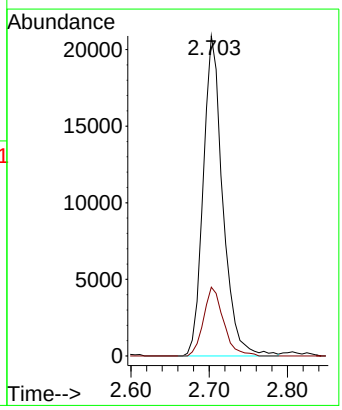
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

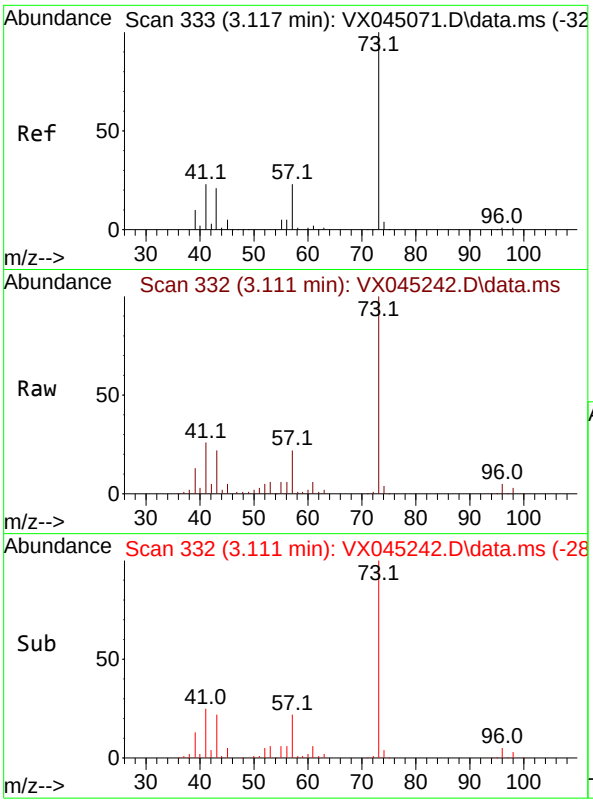


#18
Methyl Acetate
Concen: 22.113 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 36210

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

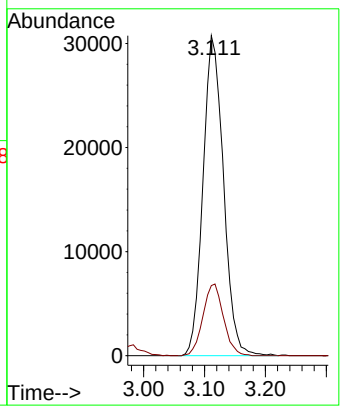




#19
Methyl tert-butyl Ether
Concen: 18.880 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 73 Resp: 7178

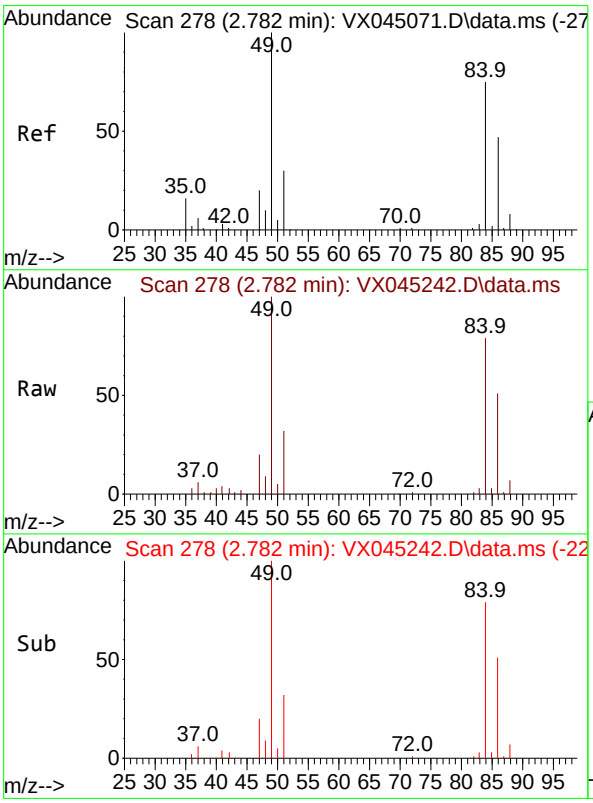
Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

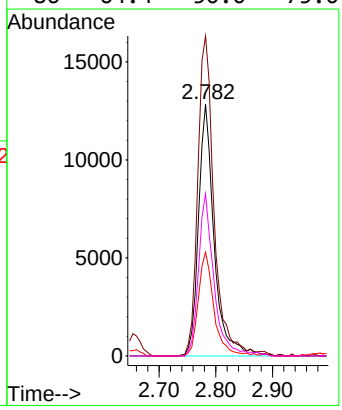
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

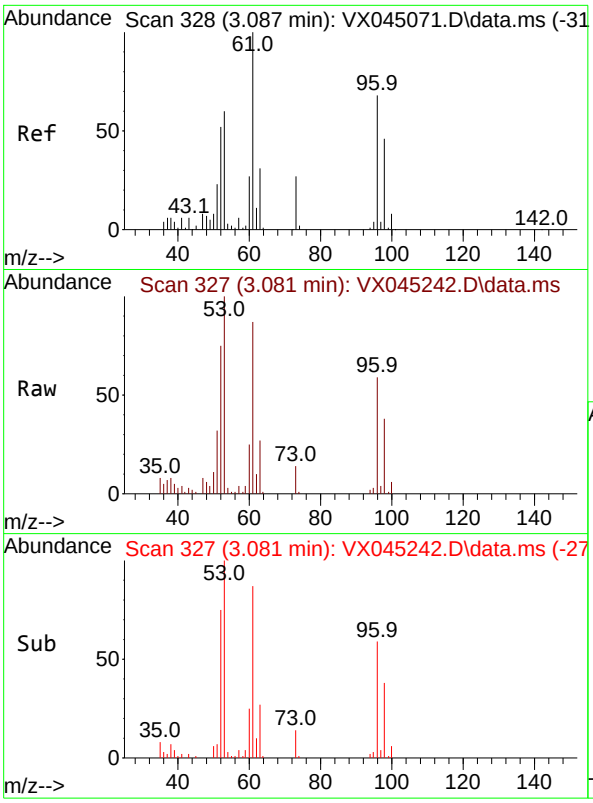


#20
Methylene Chloride
Concen: 18.288 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 84 Resp: 24658

Ion	Ratio	Lower	Upper
84	100		
49	127.1	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0

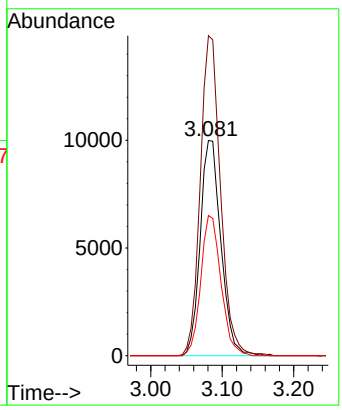




#21
trans-1,2-Dichloroethene
Concen: 17.928 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 96 Resp: 2007

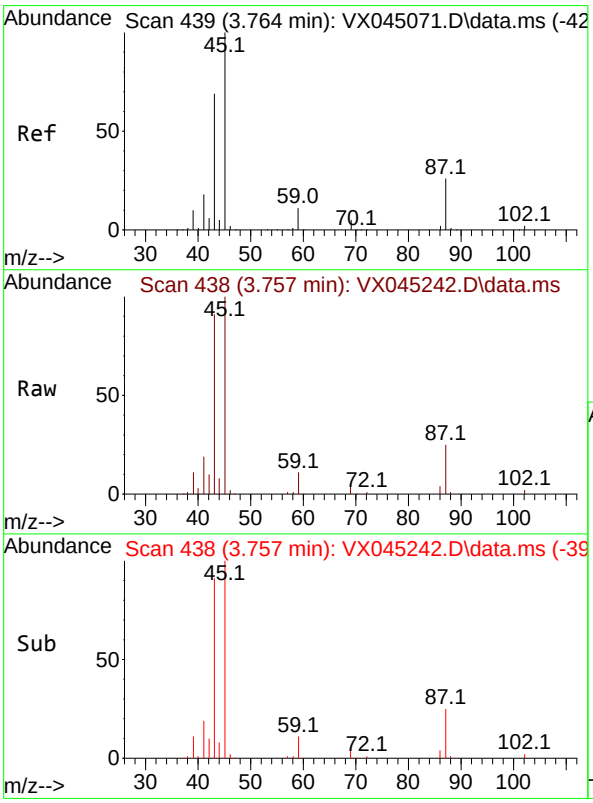
Ion	Ratio	Lower	Upper
96	100		
61	148.7	117.0	175.4
98	65.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

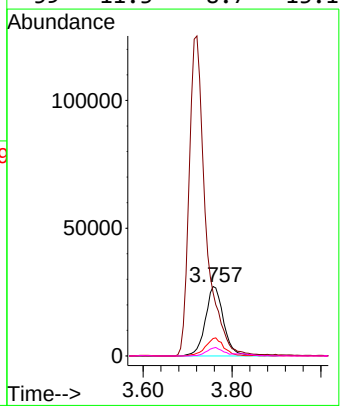
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

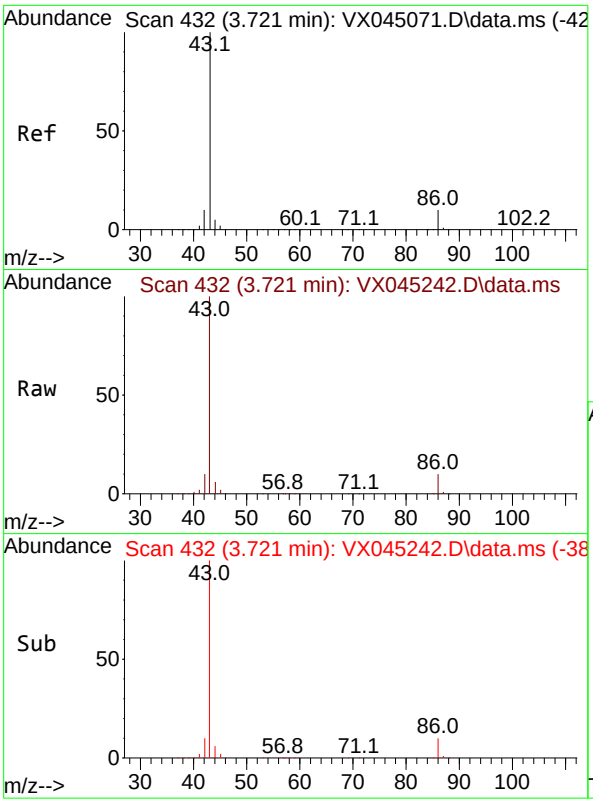


#22
Diisopropyl ether
Concen: 19.068 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 45 Resp: 78233

Ion	Ratio	Lower	Upper
45	100		
43	89.9	54.9	82.3#
87	25.1	21.0	31.4
59	11.3	8.7	13.1





#23
Vinyl Acetate
Concen: 95.283 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

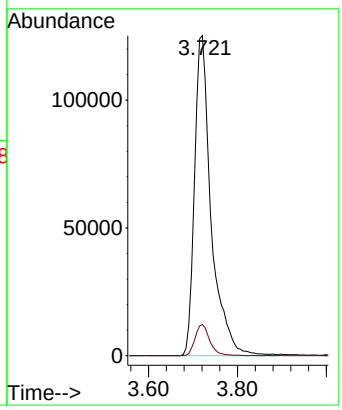
Tgt Ion: 43 Resp: 32623

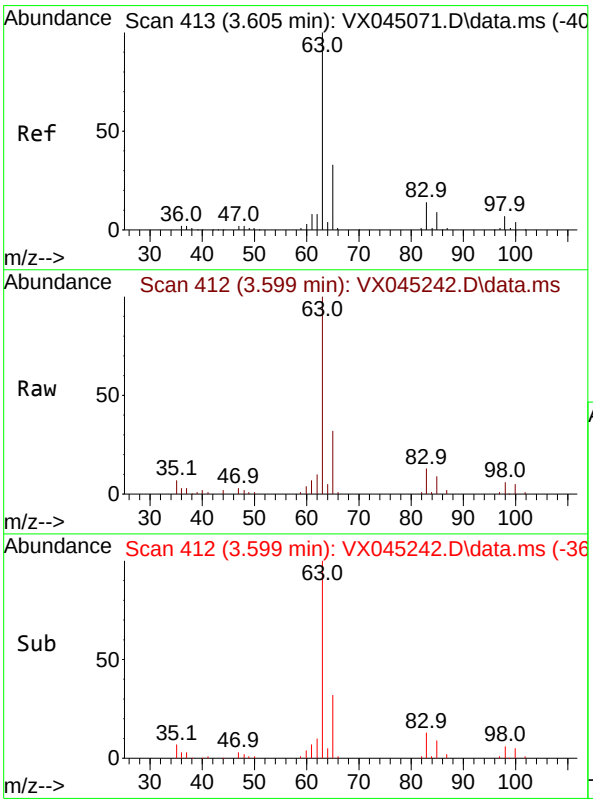
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

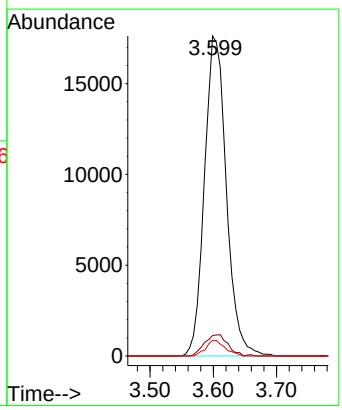


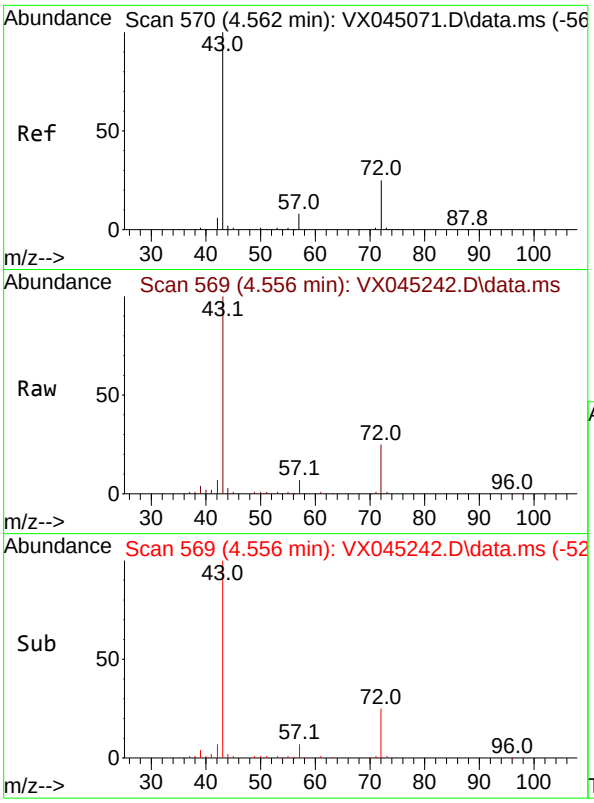


#24
1,1-Dichloroethane
Concen: 18.426 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 63 Resp: 42368

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.9	2.1	6.5

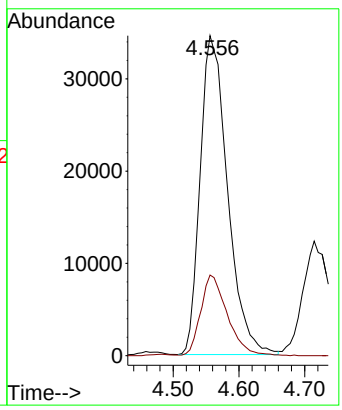




#25
2-Butanone
Concen: 97.751 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 10015

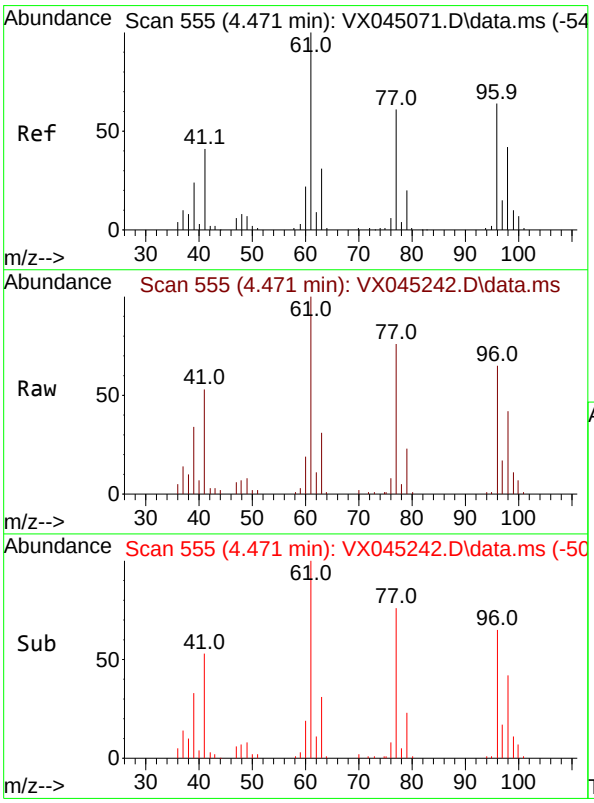
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

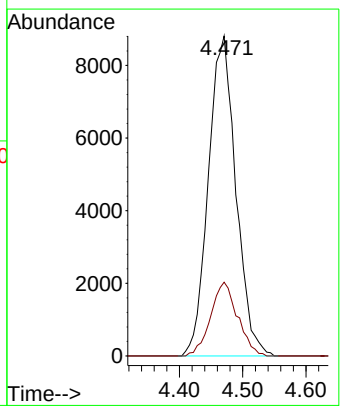
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

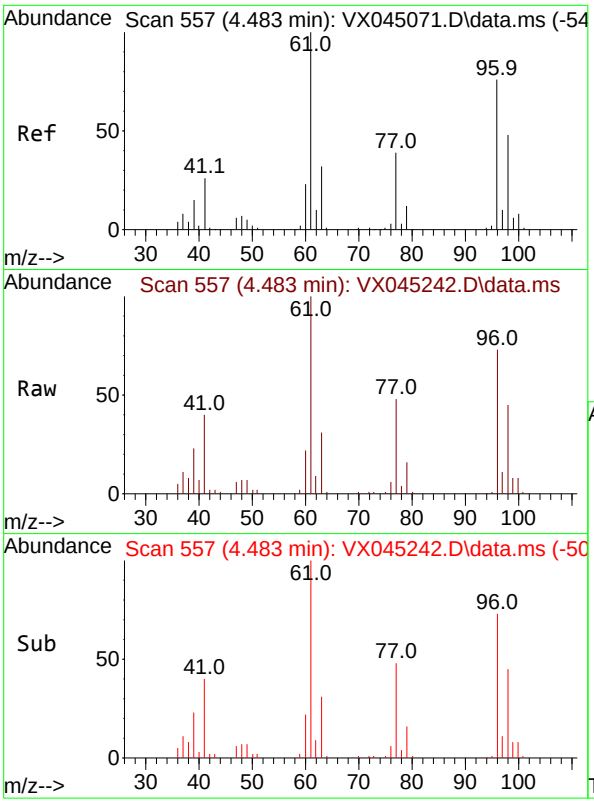


#26
2,2-Dichloropropane
Concen: 24.697 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 77 Resp: 26636

Ion	Ratio	Lower	Upper
77	100		
97	22.6	12.4	37.0

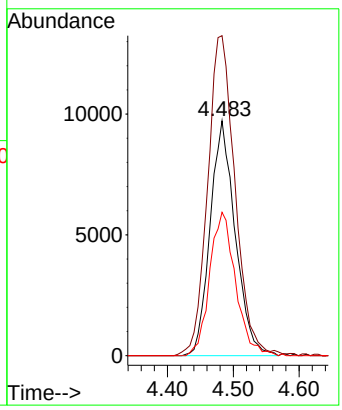




#27
cis-1,2-Dichloroethene
Concen: 18.681 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 96 Resp: 2582

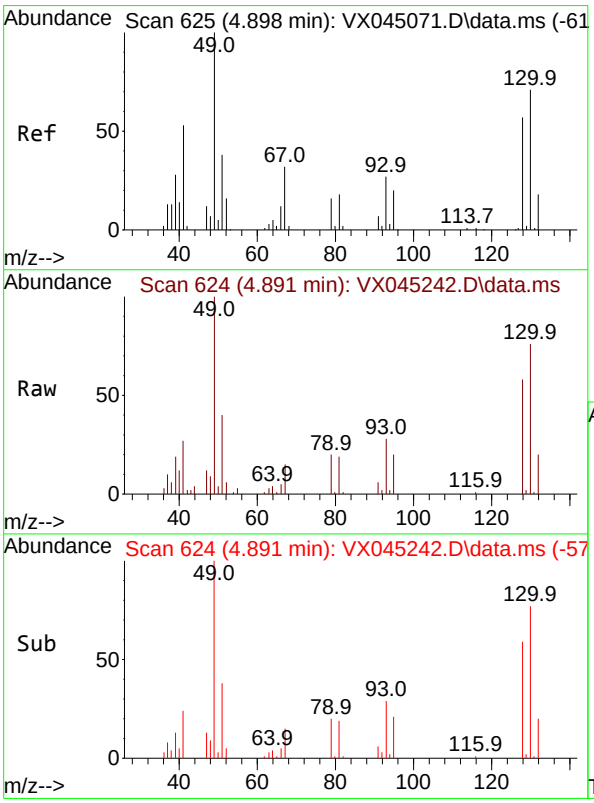
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	283.2
98	63.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

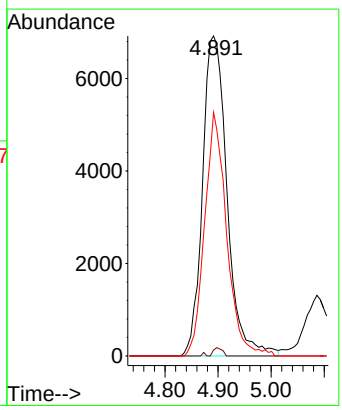
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

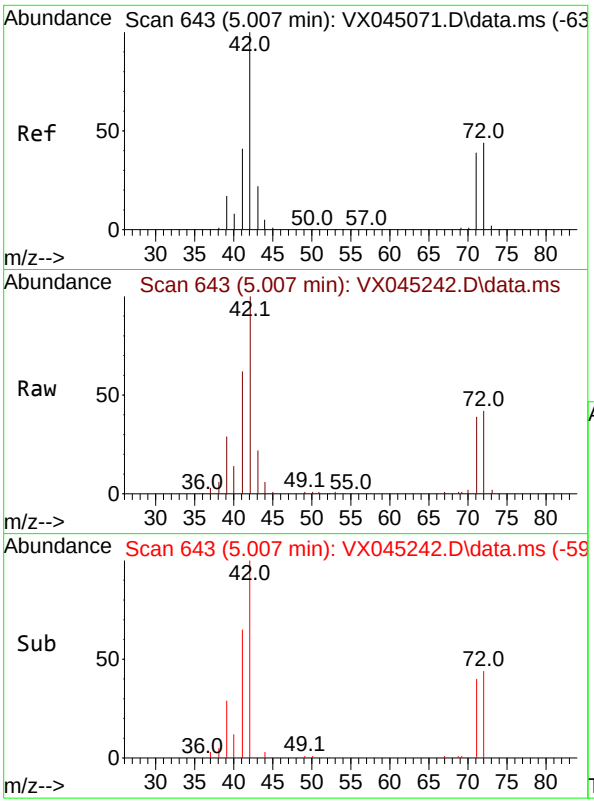


#28
Bromochloromethane
Concen: 20.288 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 49 Resp: 22235

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	68.3	56.1	84.1





#29
Tetrahydrofuran
Concen: 95.125 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

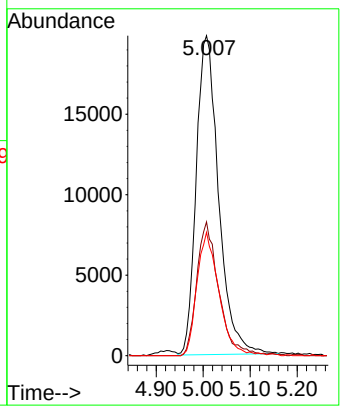
Tgt Ion: 42 Resp: 6545

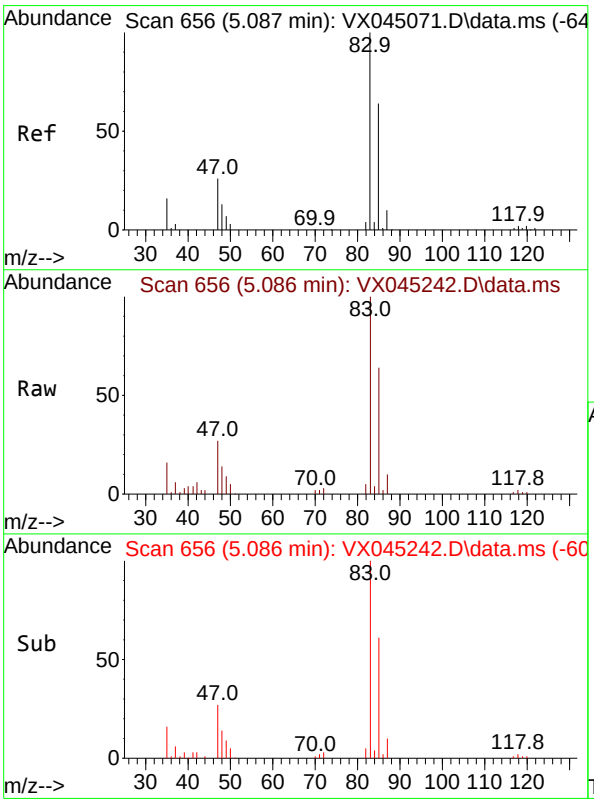
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	38.1	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

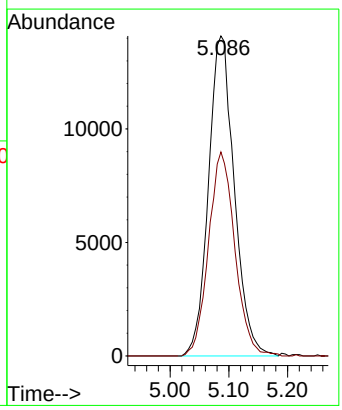


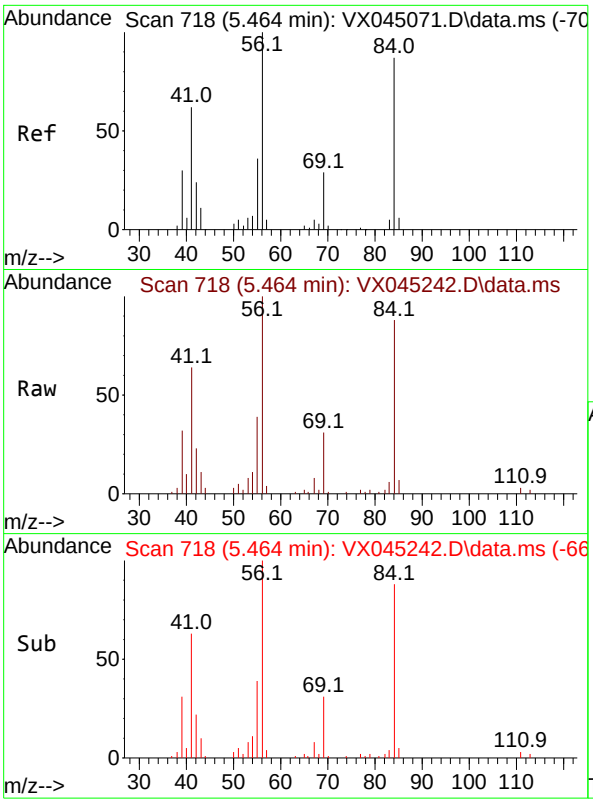


#30
Chloroform
Concen: 18.832 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 83 Resp: 43024

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





#31
Cyclohexane
Concen: 17.942 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

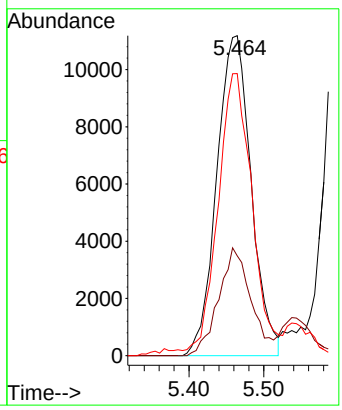
Tgt Ion: 56 Resp: 3581

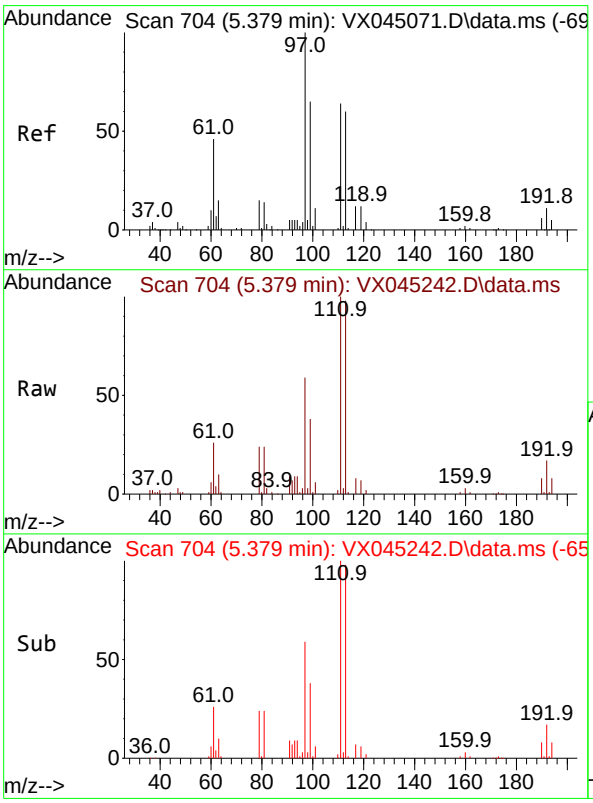
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.2
84	86.3	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

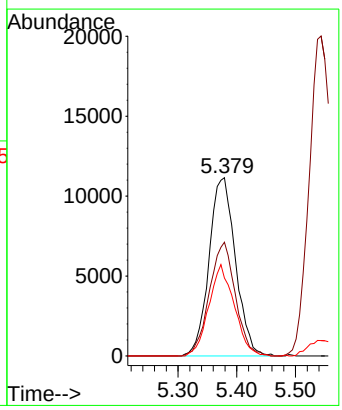


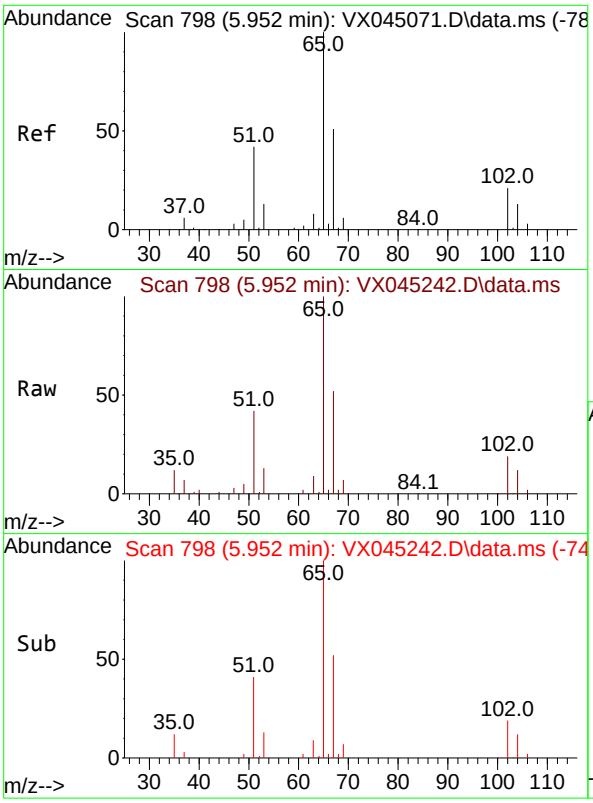


#32
1,1,1-Trichloroethane
Concen: 18.920 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 97 Resp: 34912

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.6	77.4
61	49.2	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 50.047 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

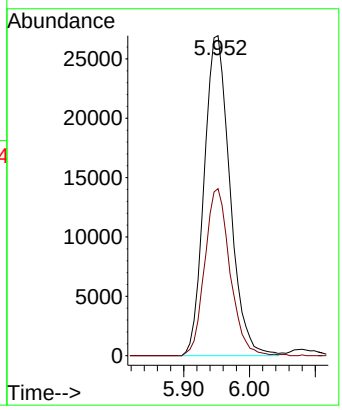
Tgt Ion: 65 Resp: 7342

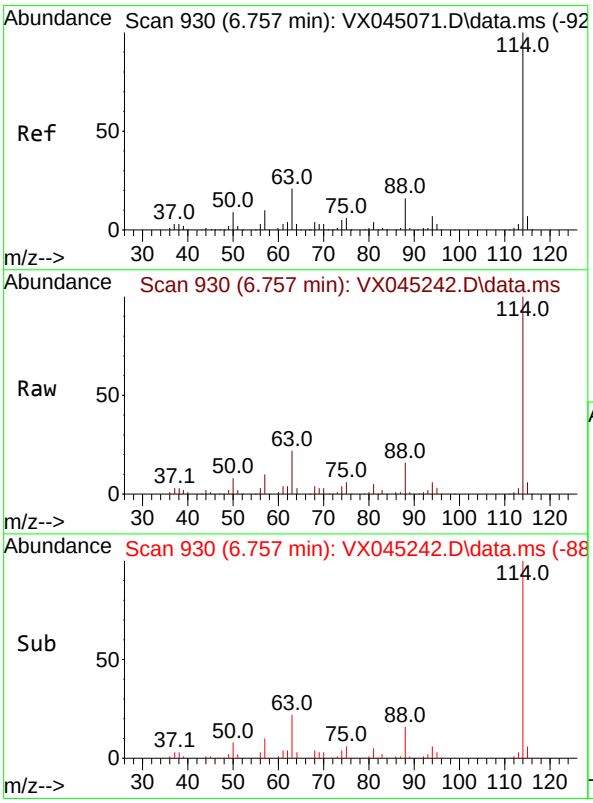
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

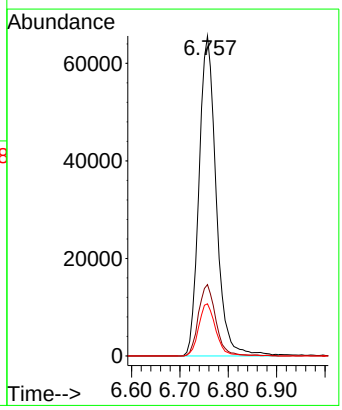


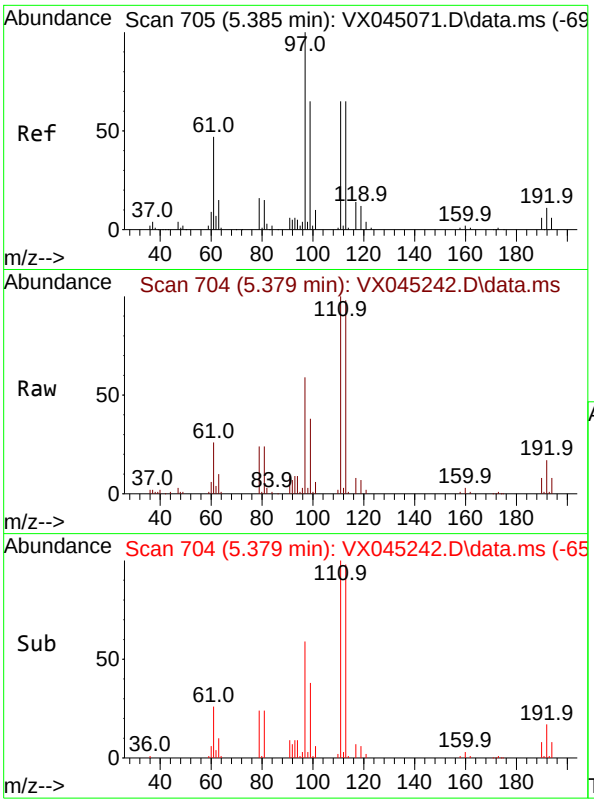


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:114 Resp: 161778

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.3	0.0	32.8

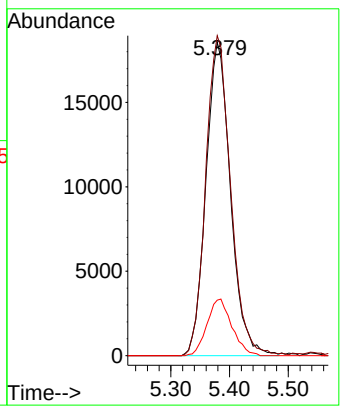




#35
Dibromofluoromethane
Concen: 49.807 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:113 Resp: 5388

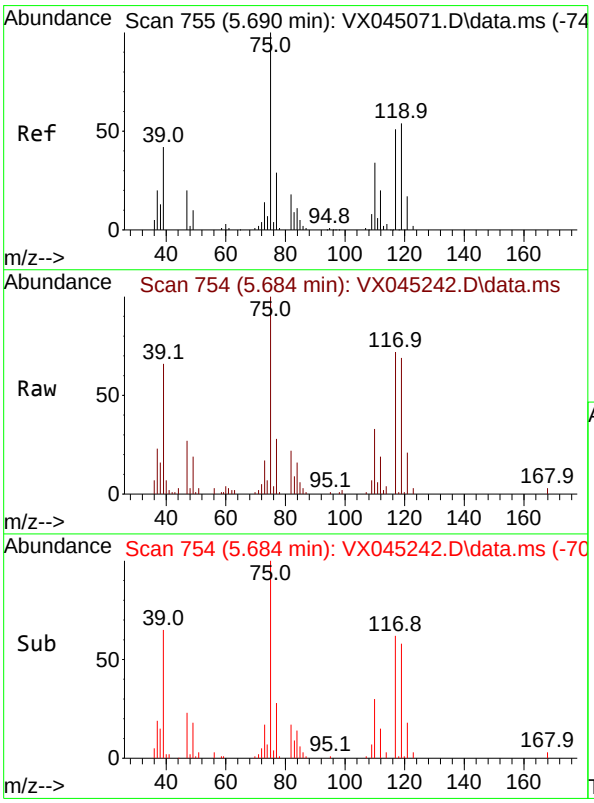
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

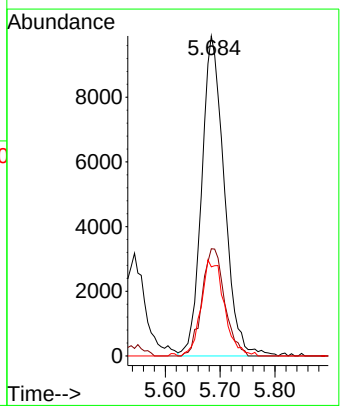
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

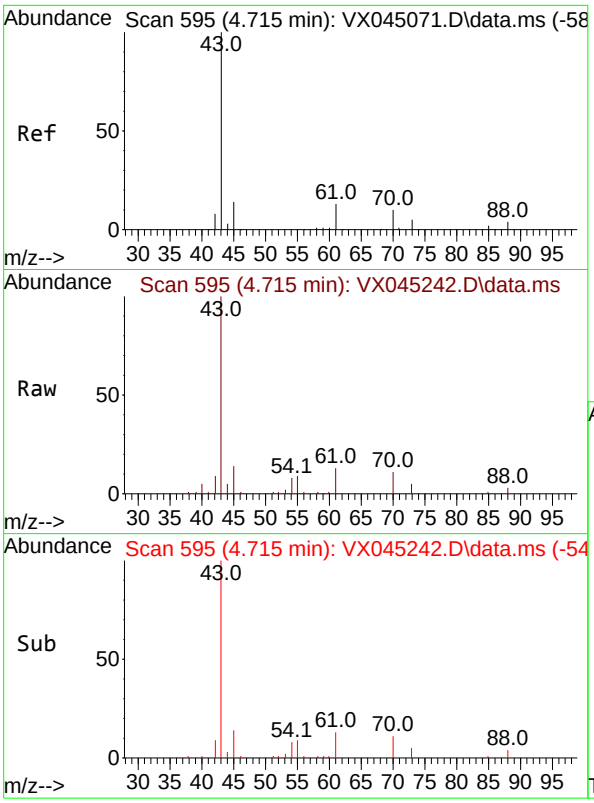


#36
1,1-Dichloropropene
Concen: 19.069 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 28290

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	30.6	24.5	36.7

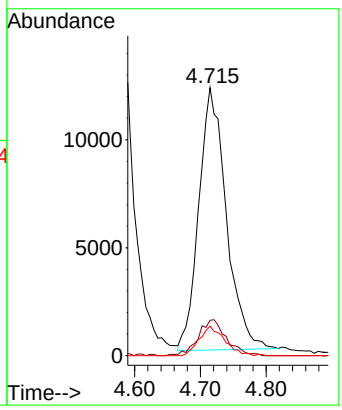




#37
Ethyl Acetate
Concen: 18.506 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 3537

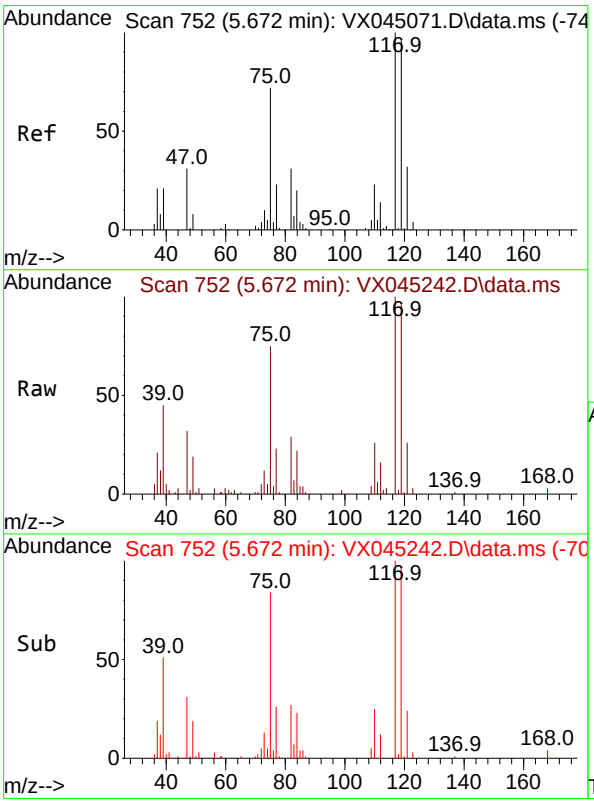
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.8	16.2
70	10.3	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

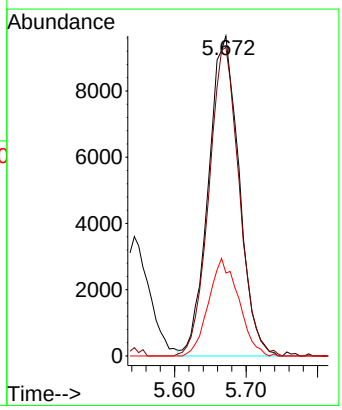
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

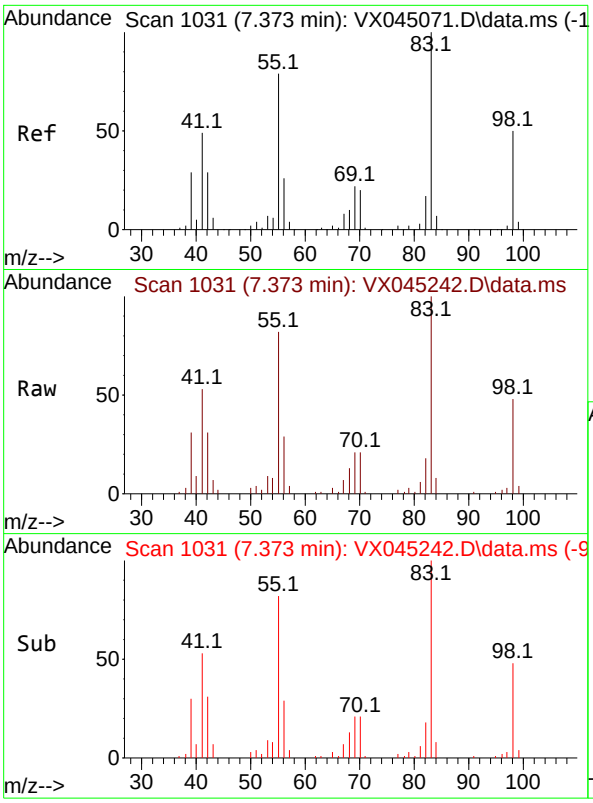


#38
Carbon Tetrachloride
Concen: 19.129 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:117 Resp: 28811

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	25.9	25.5	38.3

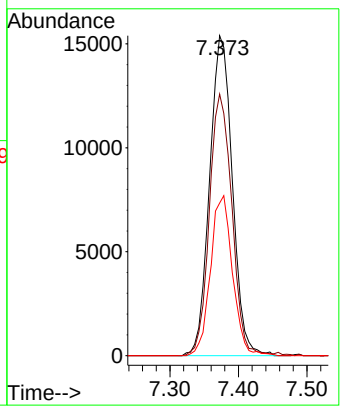




#39
Methylcyclohexane
Concen: 19.931 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 83 Resp: 3542

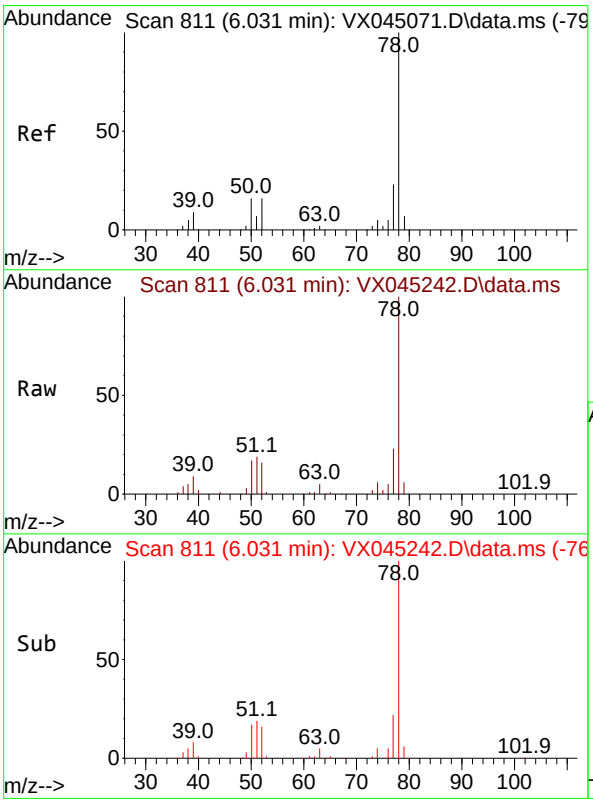
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

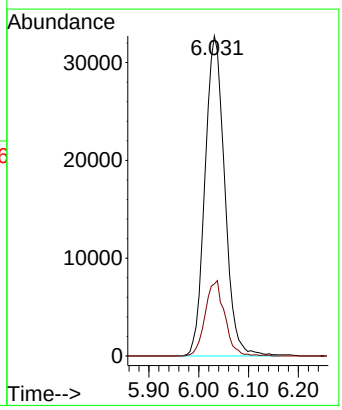
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

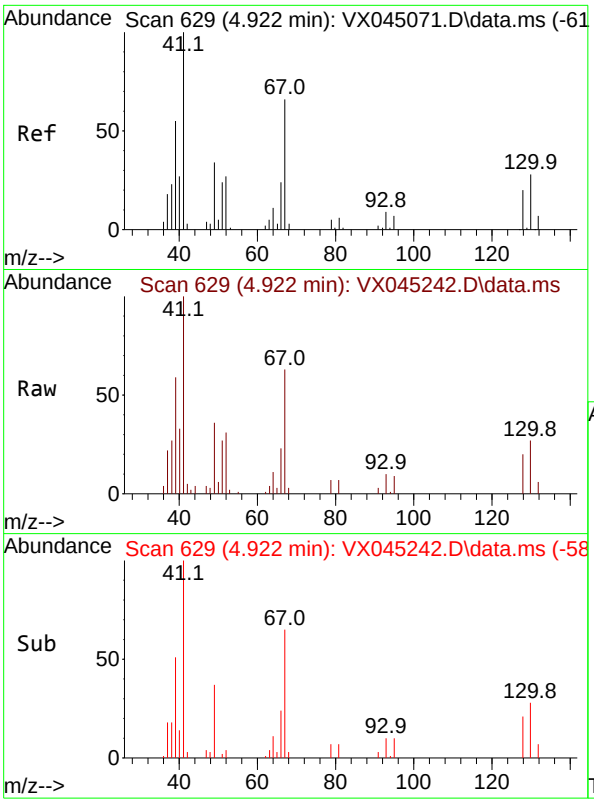


#40
Benzene
Concen: 19.207 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 78 Resp: 89979

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2

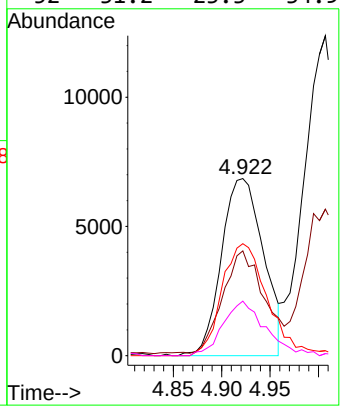




#41
Methacrylonitrile
Concen: 20.005 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 41 Resp: 2067

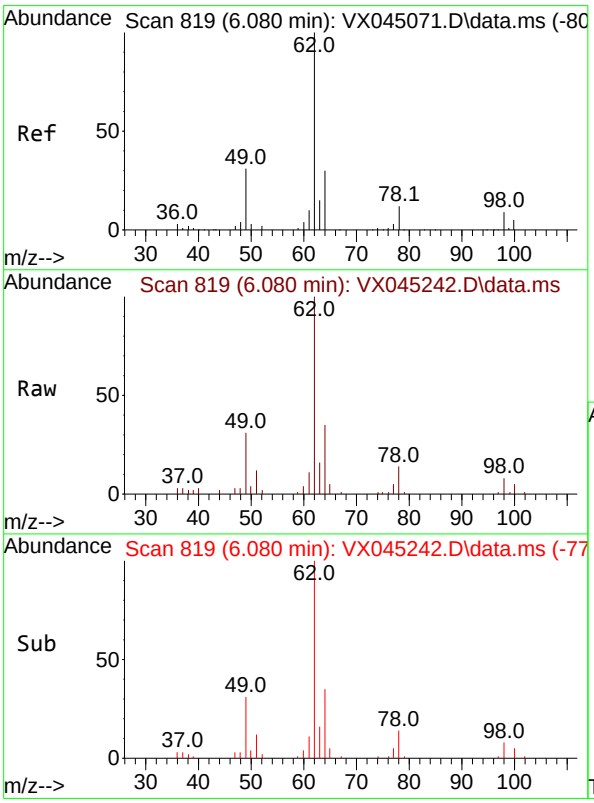
Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.6	67.0
67	68.7	53.9	80.9
52	31.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

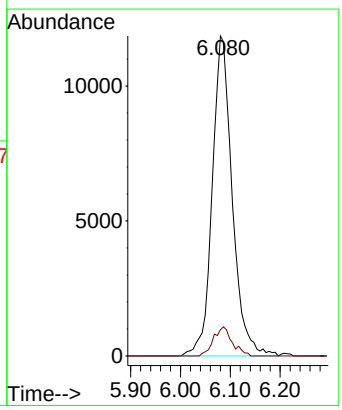
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

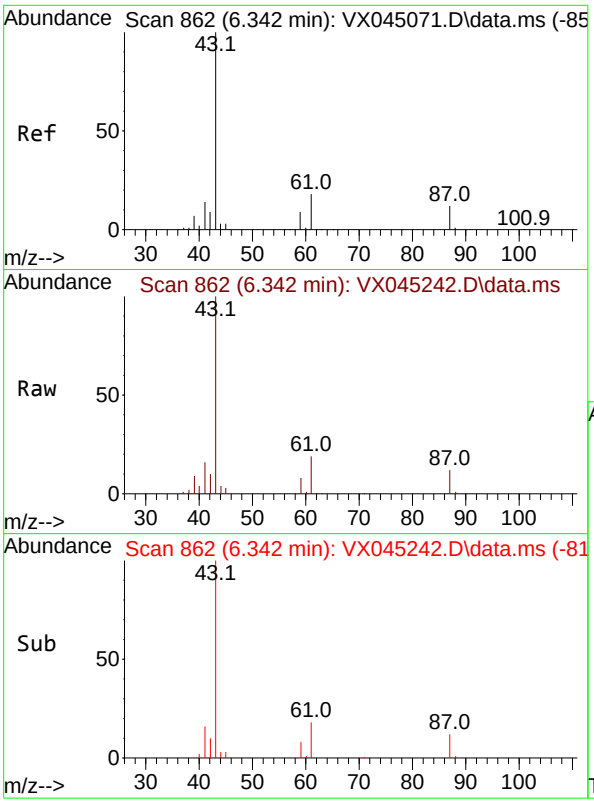


#42
1,2-Dichloroethane
Concen: 19.584 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 62 Resp: 33037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 20.245 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

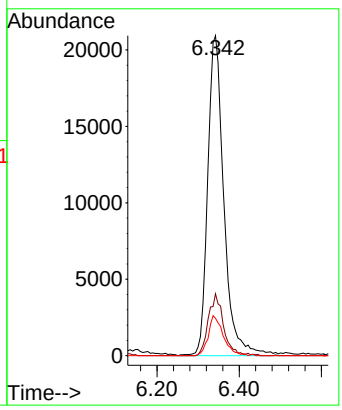
Tgt Ion: 43 Resp: 5722

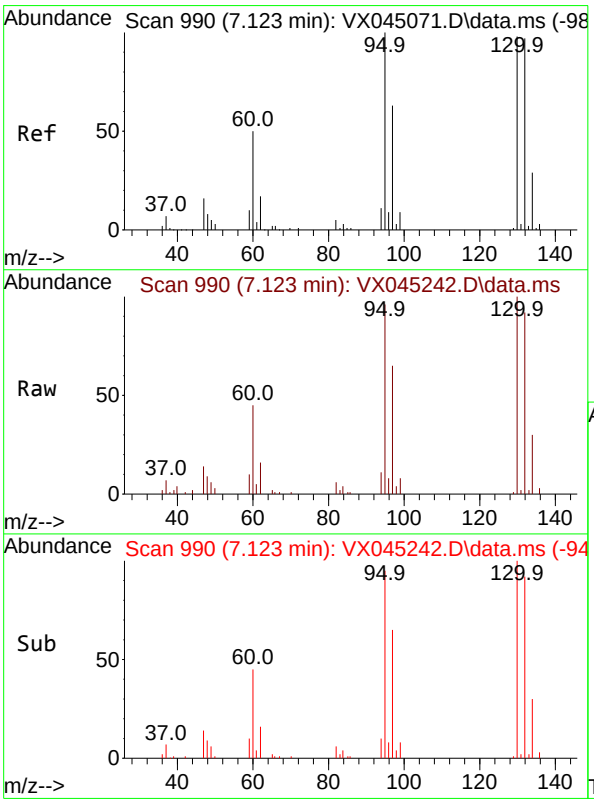
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.6	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

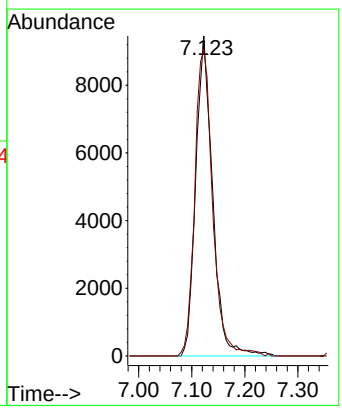


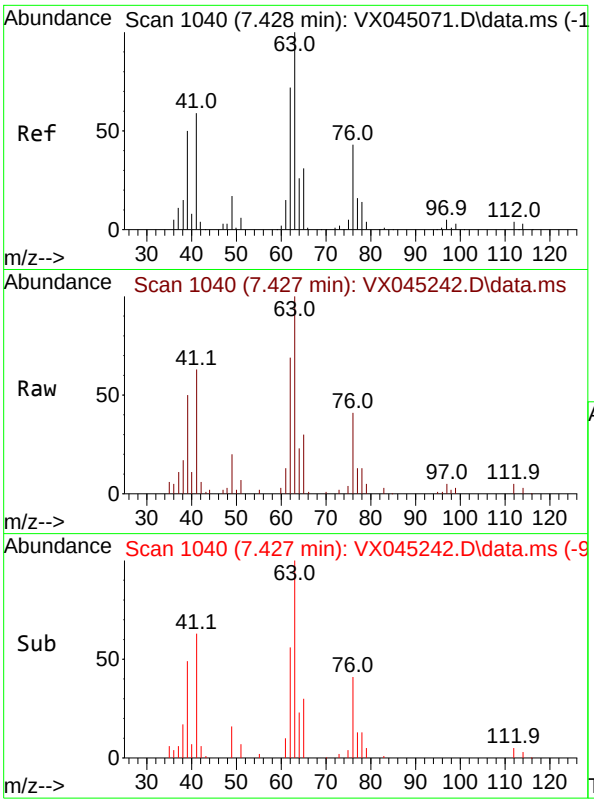


#44
Trichloroethene
Concen: 18.975 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:130 Resp: 20872

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	205.0

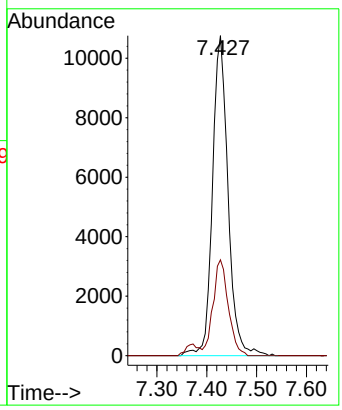




#45
1,2-Dichloropropane
Concen: 19.348 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 63 Resp: 2330

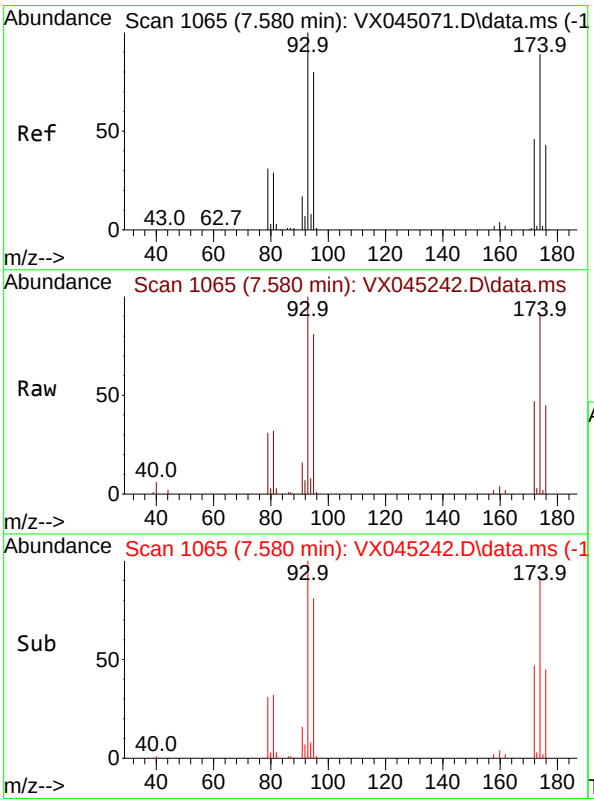
Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

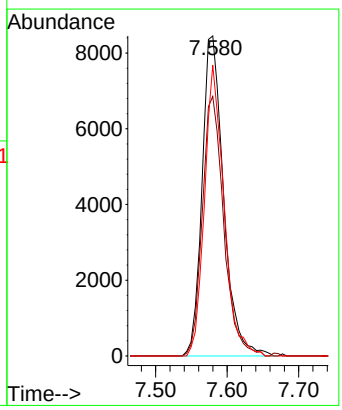
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

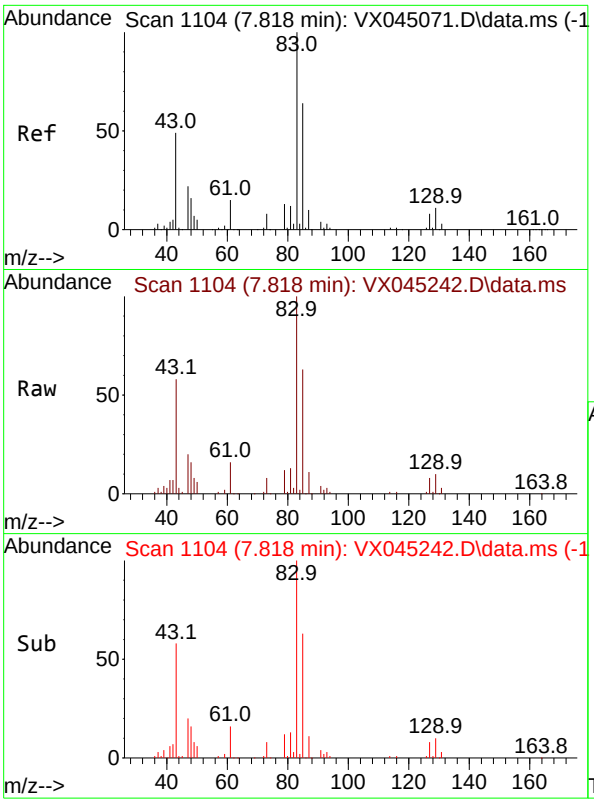


#46
Dibromomethane
Concen: 20.675 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 93 Resp: 17601

Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.8	98.8
174	83.1	72.2	108.2

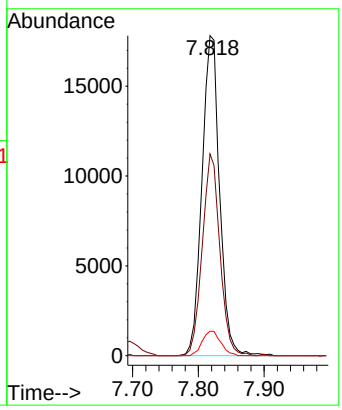




#47
Bromodichloromethane
Concen: 19.954 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 83 Resp: 3332

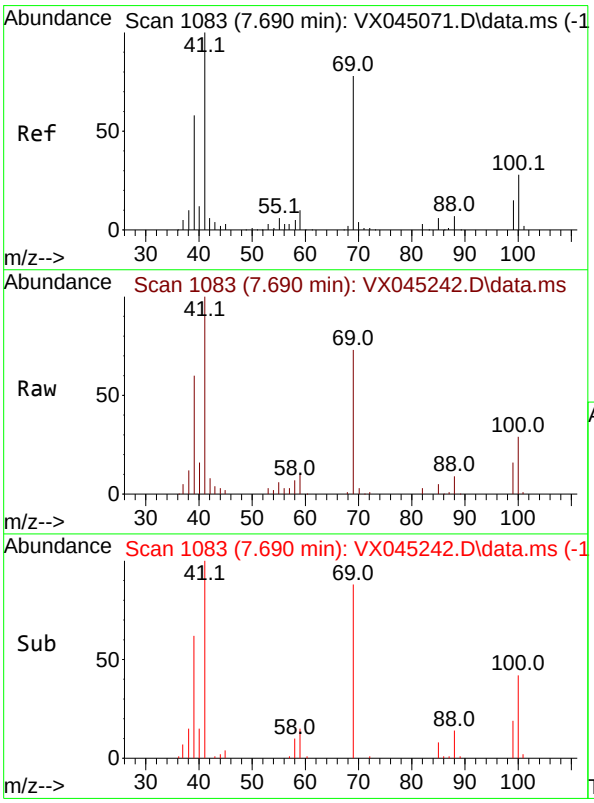
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.7	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

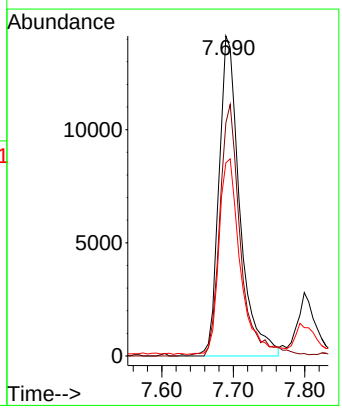
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

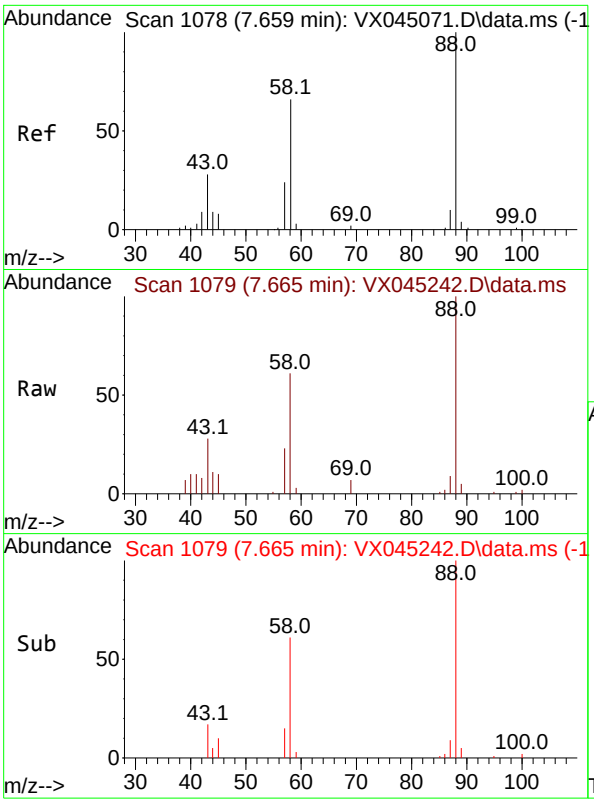


#48
Methyl methacrylate
Concen: 20.173 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 41 Resp: 28608

Ion	Ratio	Lower	Upper
41	100		
69	77.8	63.0	94.6
39	63.1	47.5	71.3

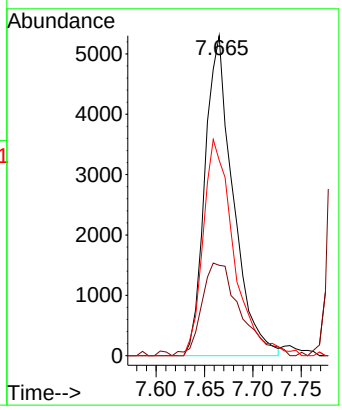




#49
1,4-Dioxane
Concen: 358.121 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 88 Resp: 1071

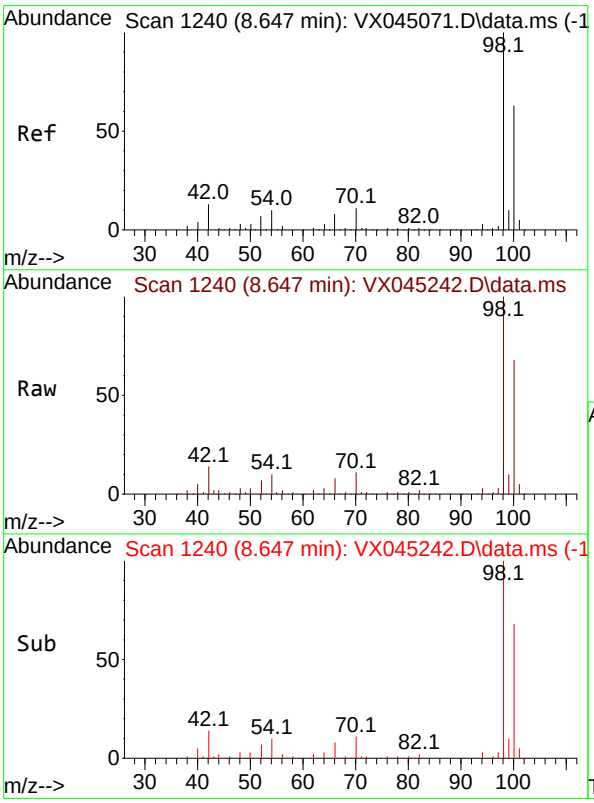
Ion	Ratio	Lower	Upper
88	100		
43	39.7	28.7	43.1
58	73.9	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

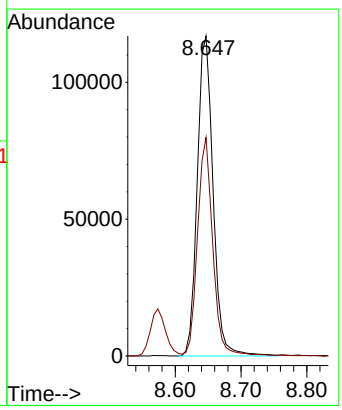
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

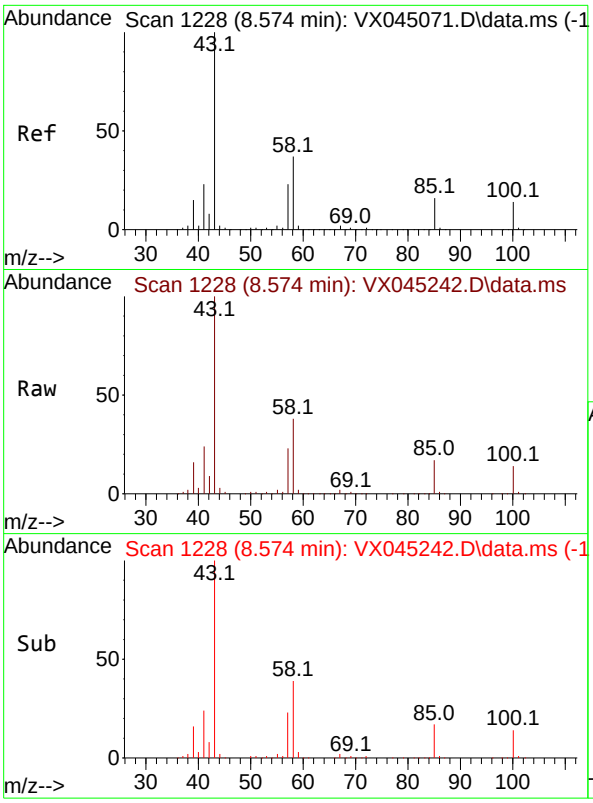


#50
Toluene-d8
Concen: 49.747 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 98 Resp: 195097

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

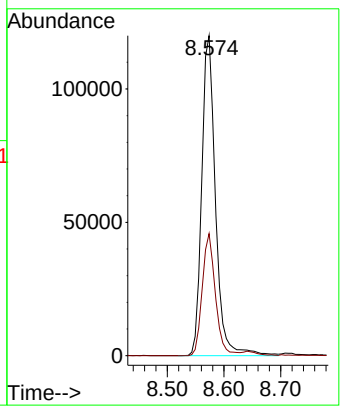




#51
4-Methyl-2-Pentanone
Concen: 106.822 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 20275

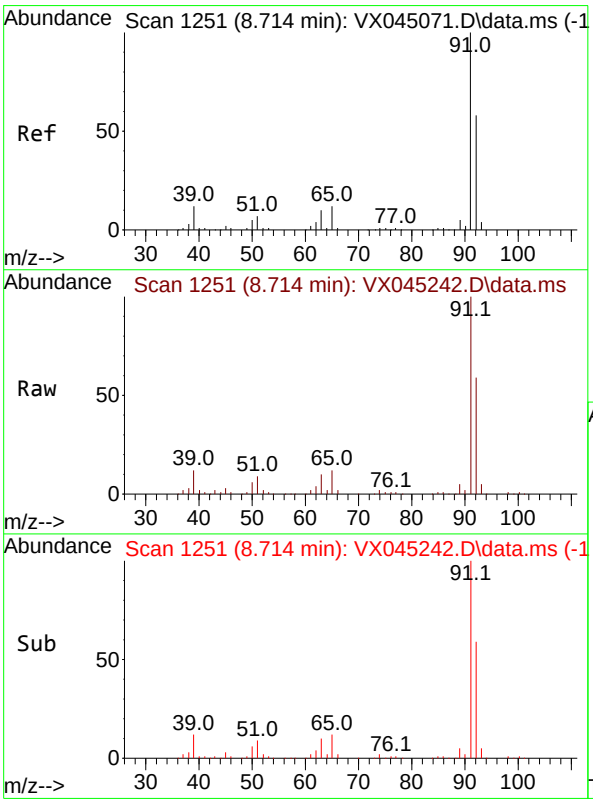
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

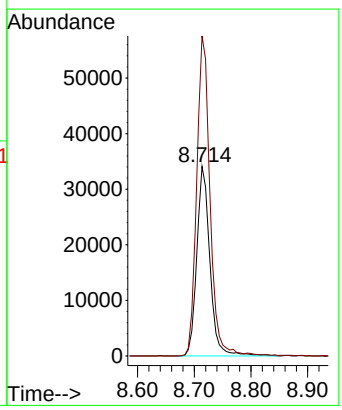
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

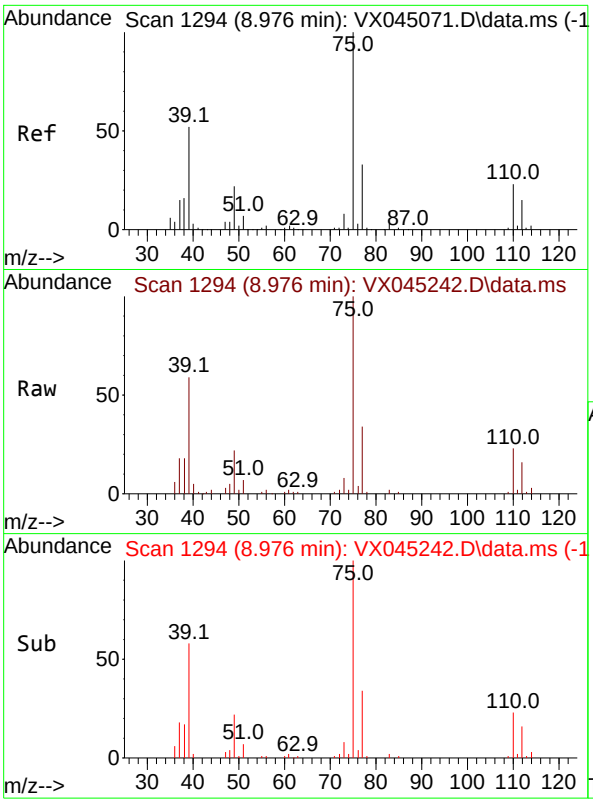


#52
Toluene
Concen: 19.928 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 92 Resp: 54775

Ion	Ratio	Lower	Upper
92	100		
91	169.9	138.9	208.3

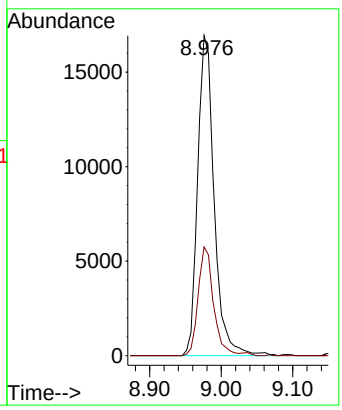




#53
t-1,3-Dichloropropene
Concen: 19.422 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 2711

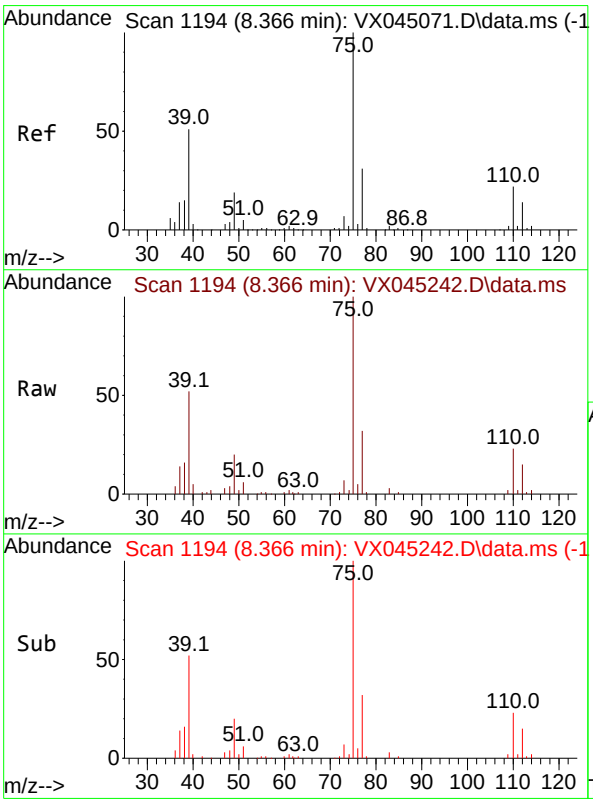
Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

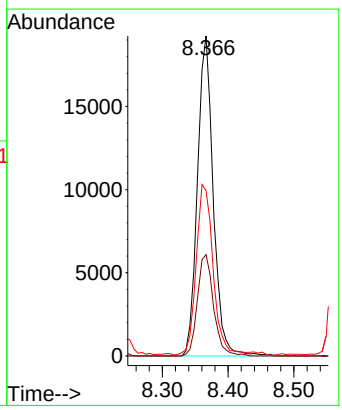
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

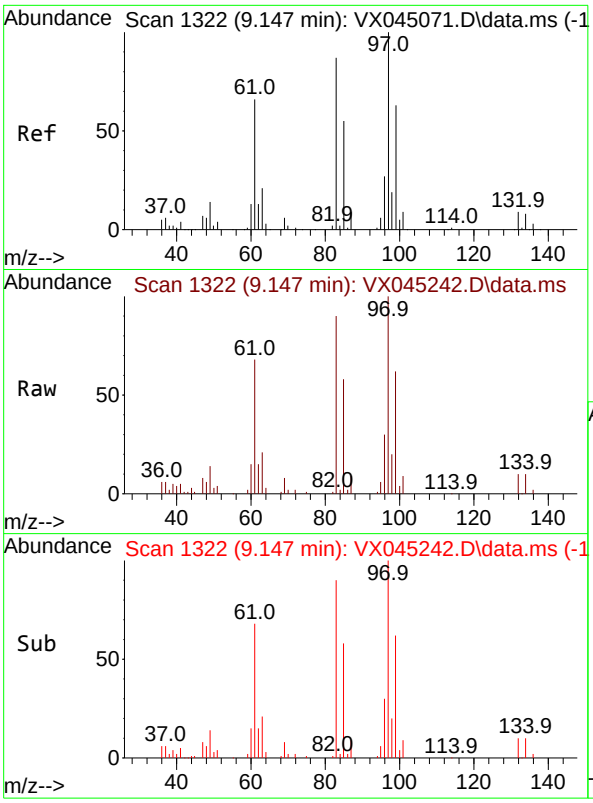


#54
cis-1,3-Dichloropropene
Concen: 19.719 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 32101

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	51.1	40.7	61.1

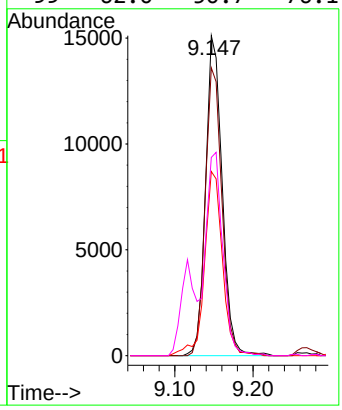




#55
1,1,2-Trichloroethane
Concen: 19.605 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 97 Resp: 2218

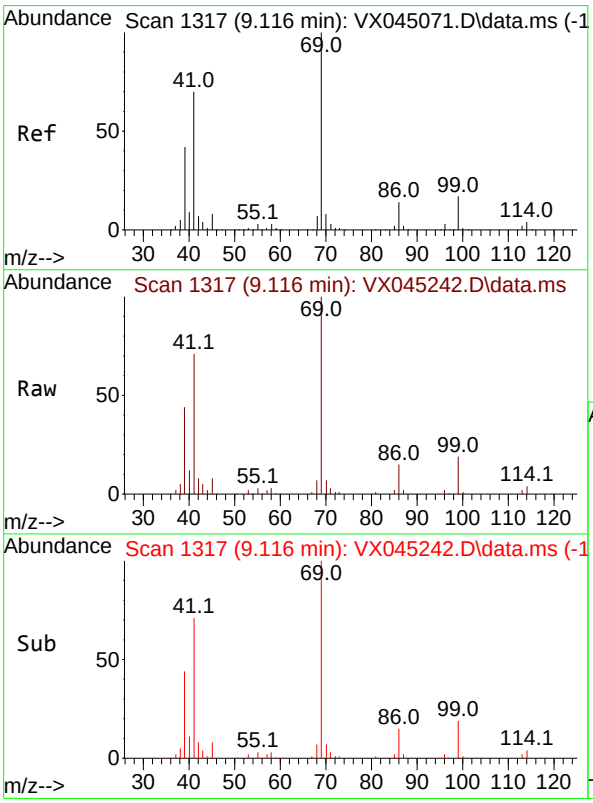
Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.4	104.2
85	57.6	44.1	66.1
99	62.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

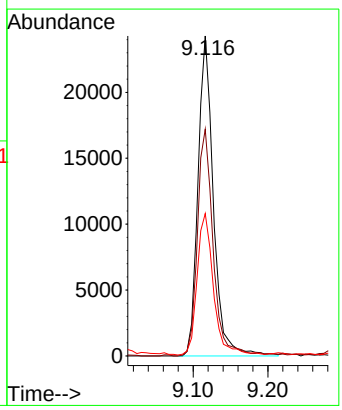
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

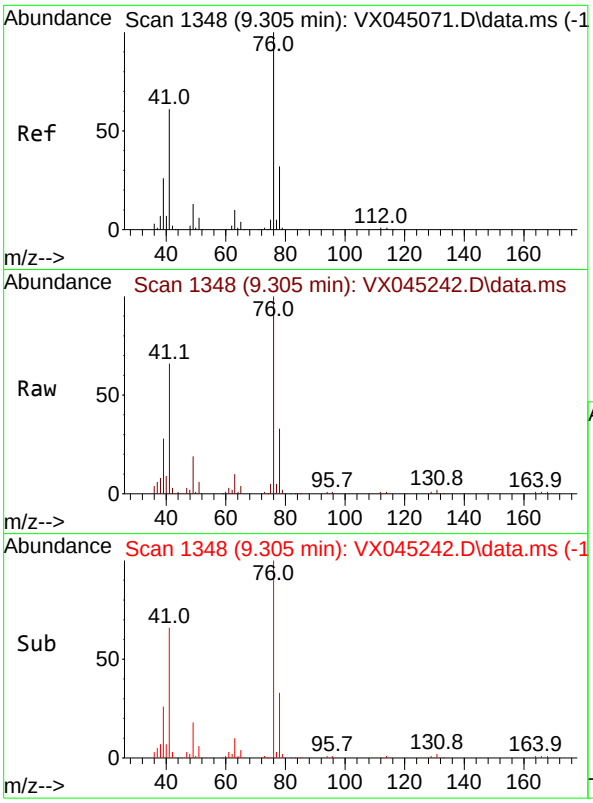


#56
Ethyl methacrylate
Concen: 20.219 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 69 Resp: 34777

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.4
39	46.8	34.2	51.4

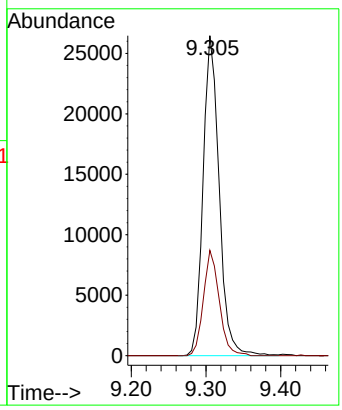




#57
1,3-Dichloropropane
Concen: 20.179 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 76 Resp: 3951

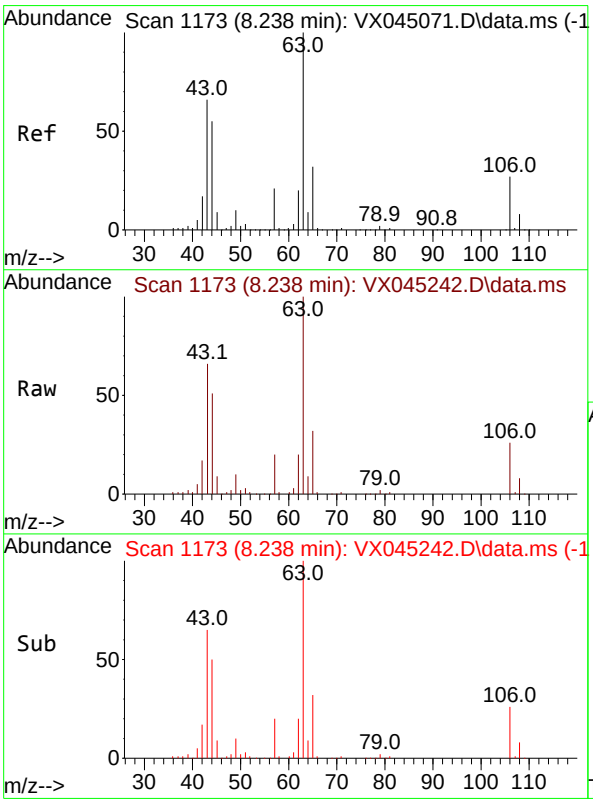
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

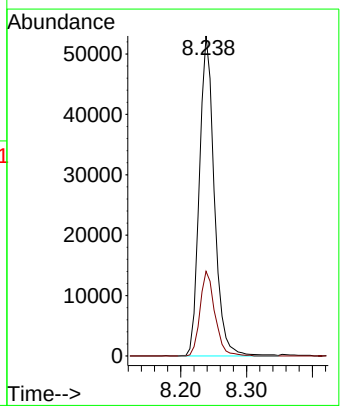
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

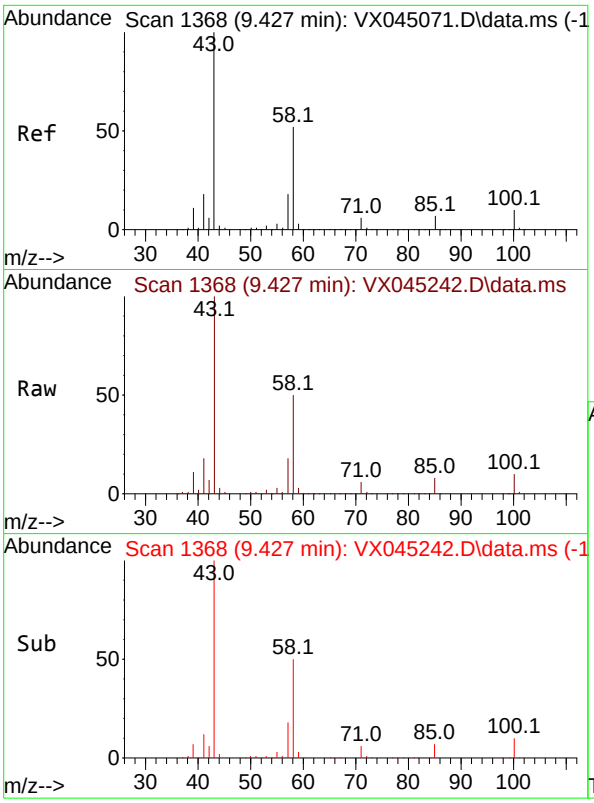


#58
2-Chloroethyl Vinyl ether
Concen: 99.837 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 63 Resp: 83766

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3





#59
2-Hexanone
Concen: 108.201 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

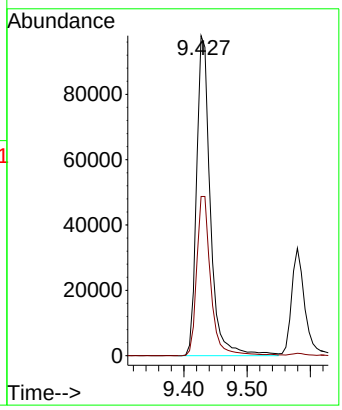
Tgt Ion: 43 Resp: 14879

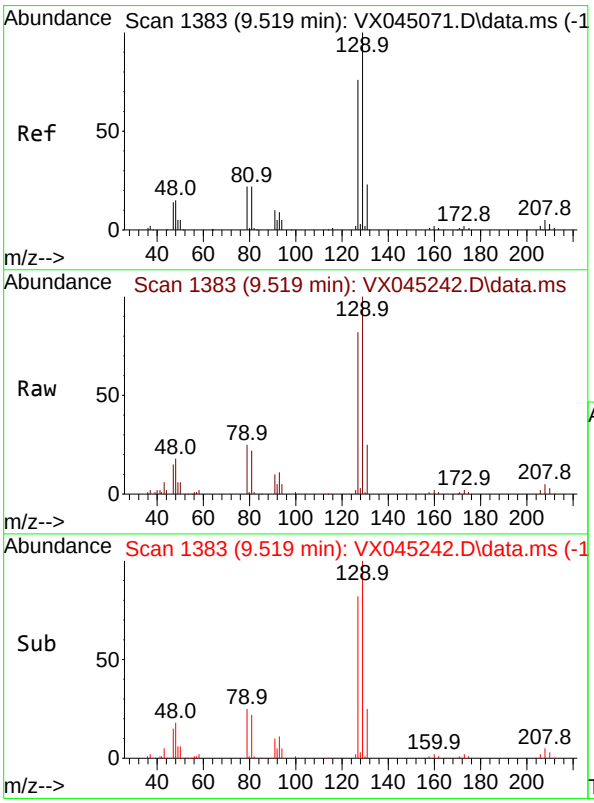
Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

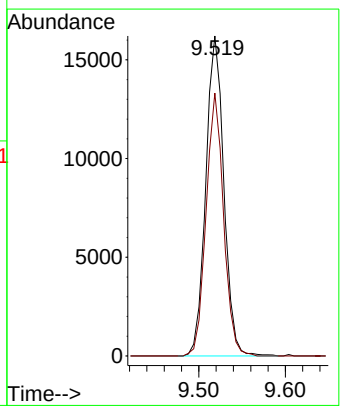


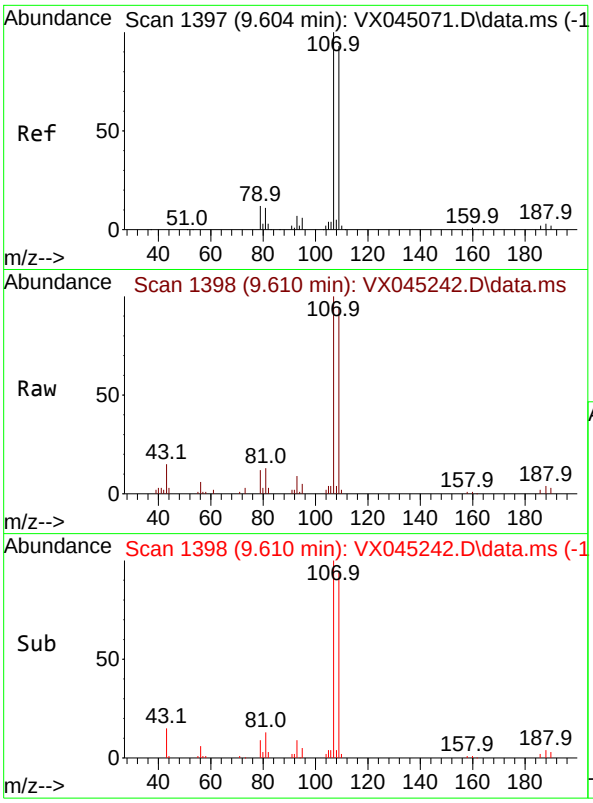


#60
Dibromochloromethane
Concen: 19.849 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:129 Resp: 23484

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.5

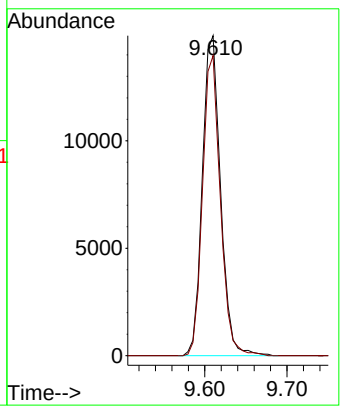




#61
1,2-Dibromoethane
Concen: 20.262 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:107 Resp: 2288

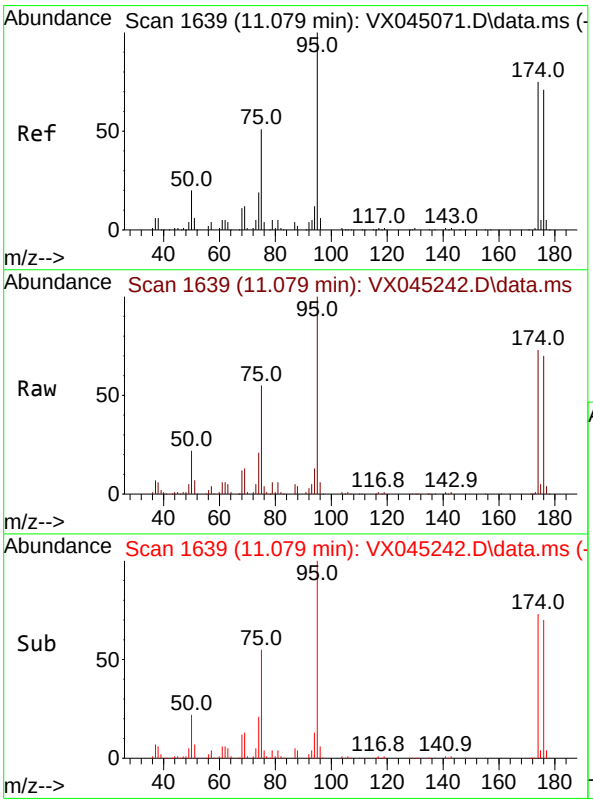
Ion	Ratio	Lower	Upper
107	100		
109	91.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

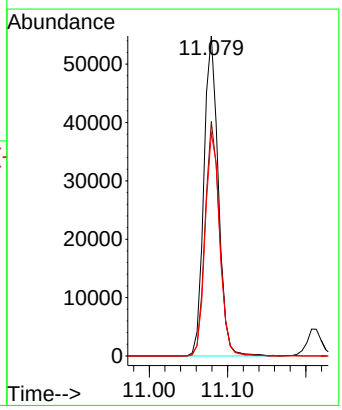
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

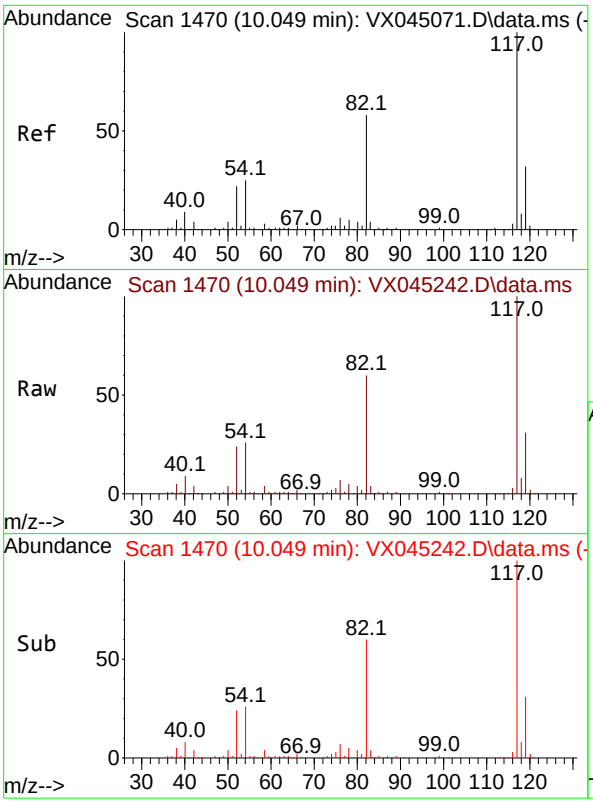


#62
4-Bromofluorobenzene
Concen: 53.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 95 Resp: 69972

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.2
176	70.1	0.0	141.4

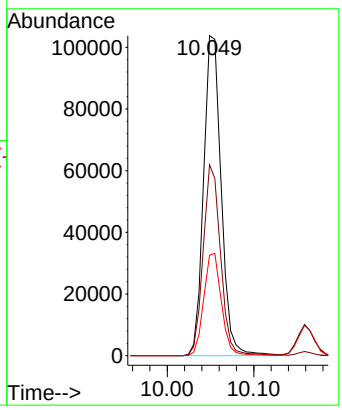




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:117 Resp: 14682

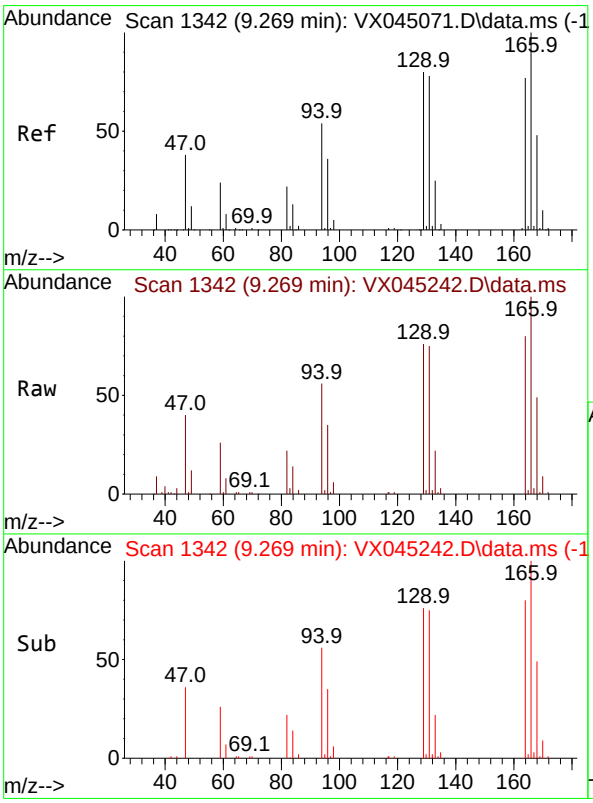
Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	31.4	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

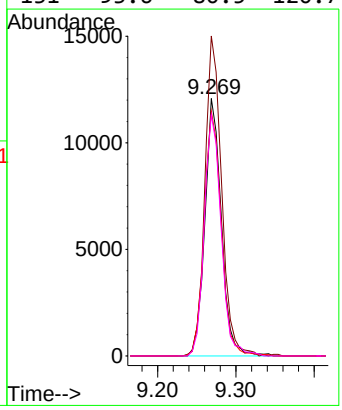
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

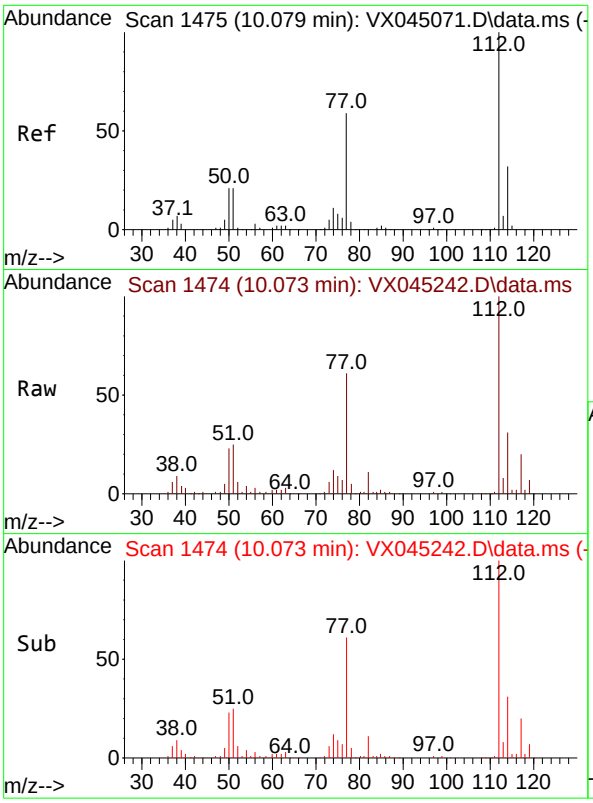


#64
Tetrachloroethene
Concen: 18.769 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:164 Resp: 17650

Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	95.1	82.7	124.1
131	93.6	80.5	120.7

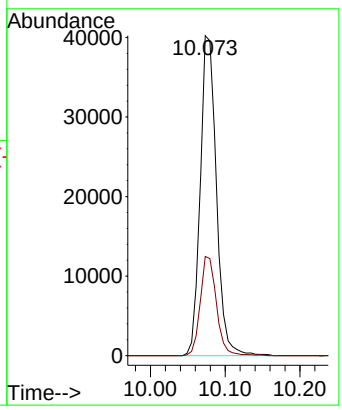




#65
Chlorobenzene
Concen: 19.450 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:112 Resp: 6042

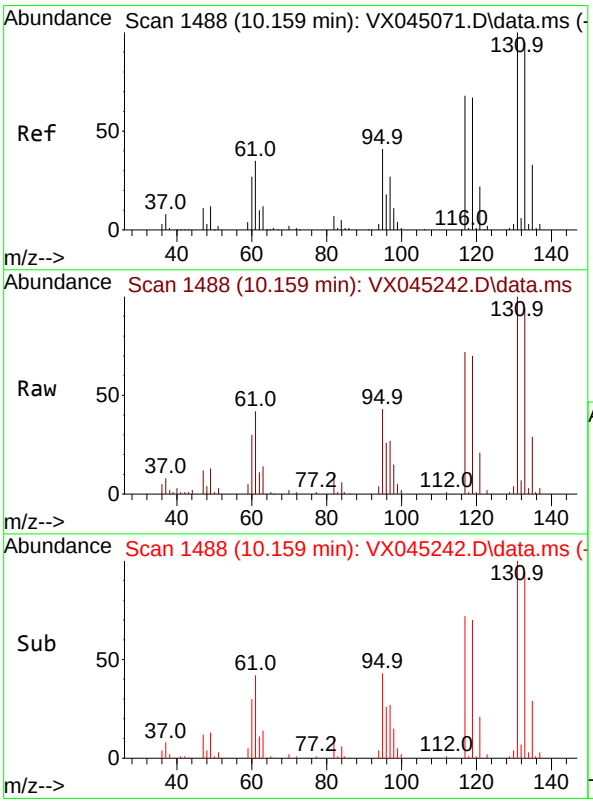
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

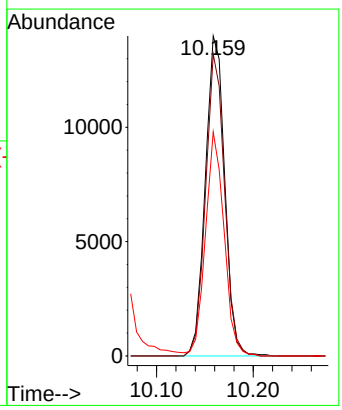
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

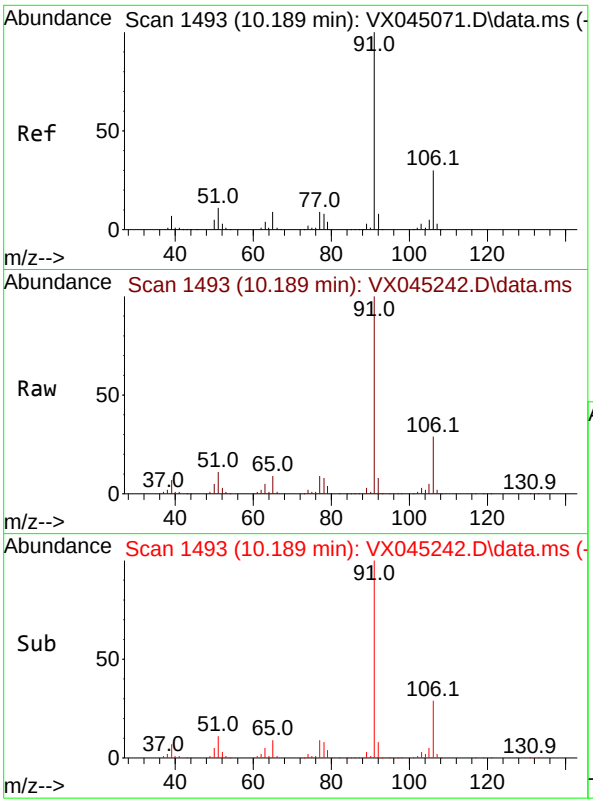


#66
1,1,1,2-Tetrachloroethane
Concen: 18.785 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:131 Resp: 19436

Ion	Ratio	Lower	Upper
131	100		
133	92.8	48.6	145.9
119	67.4	33.9	101.7





#67
Ethyl Benzene
Concen: 19.183 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

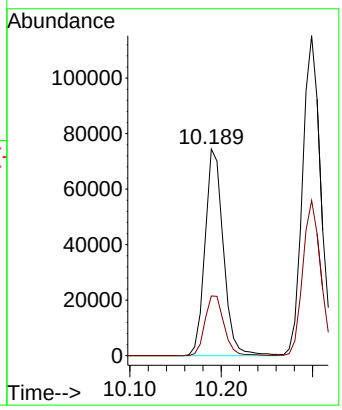
Tgt Ion: 91 Resp: 10384

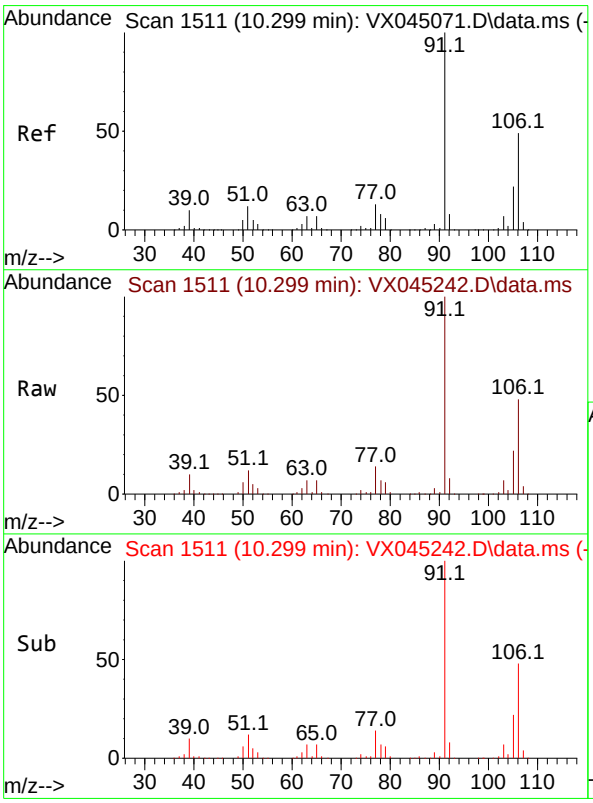
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

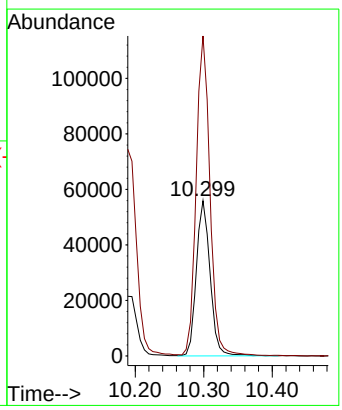


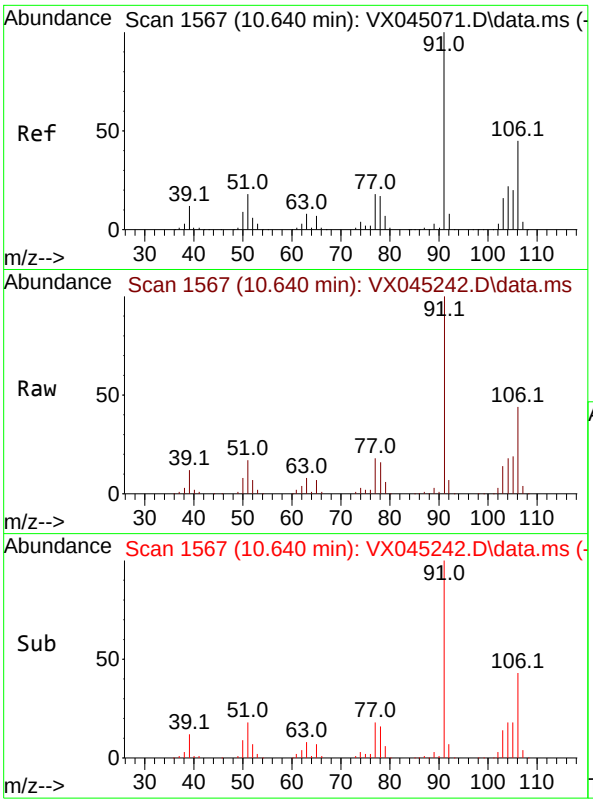


#68
m/p-Xylenes
Concen: 39.231 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:106 Resp: 77745

Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.4	248.0

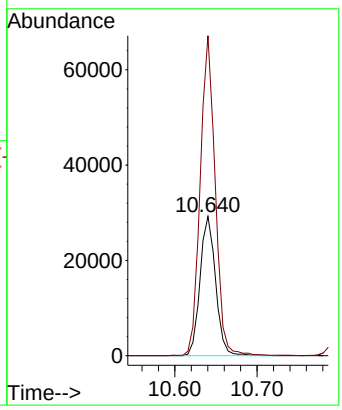




#69
o-Xylene
Concen: 19.243 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:106 Resp: 3846

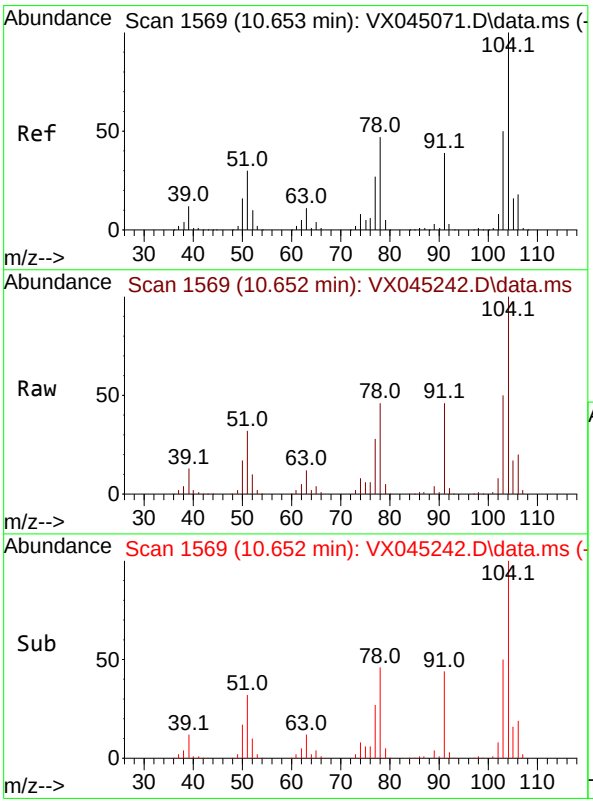
Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

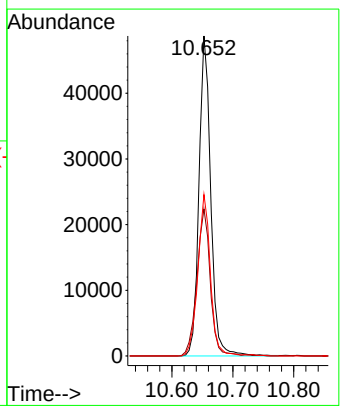
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

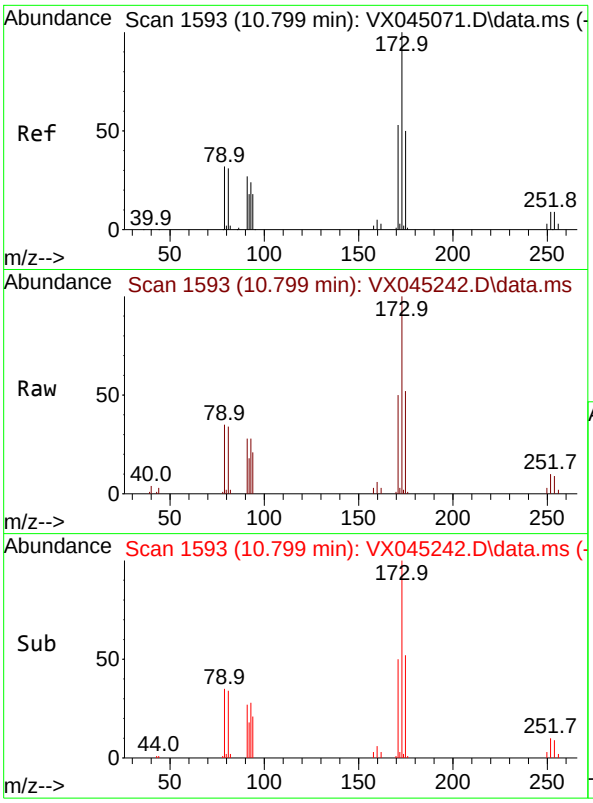


#70
Styrene
Concen: 20.165 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:104 Resp: 65215

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	53.8	43.8	65.8

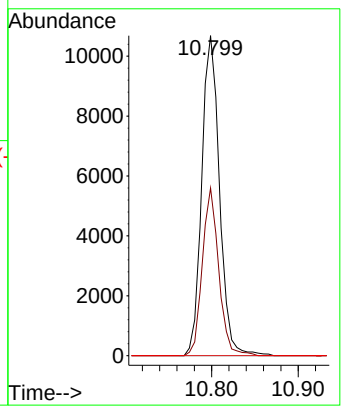




#71
Bromoform
Concen: 19.486 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:173 Resp: 1520

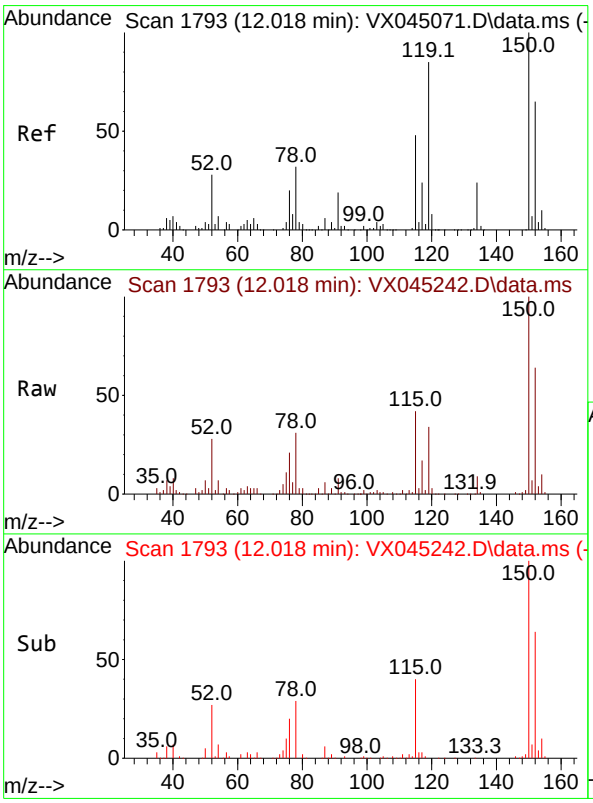
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

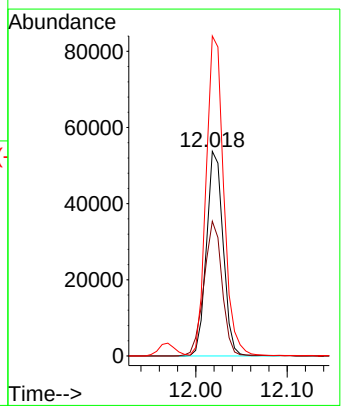
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

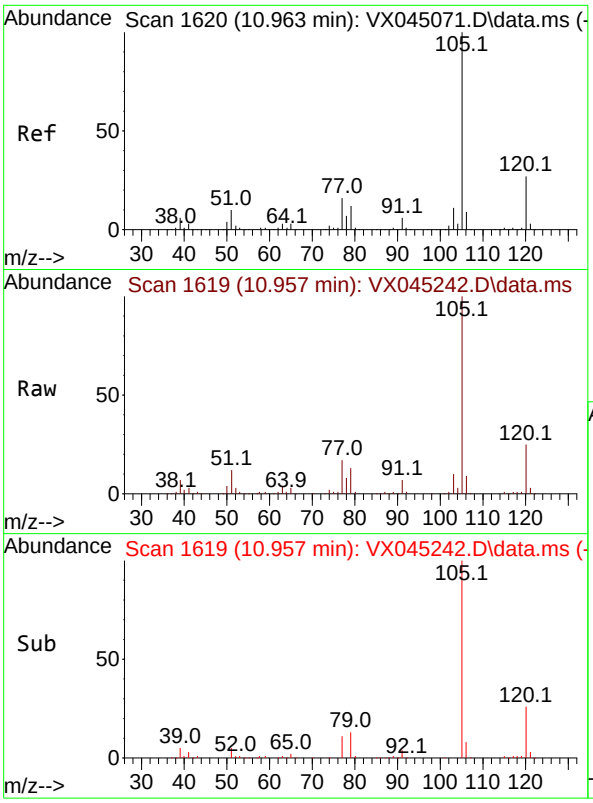


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:152 Resp: 67806

Ion	Ratio	Lower	Upper
152	100		
115	71.4	44.2	132.6
150	165.6	0.0	349.0





#73
Isopropylbenzene
Concen: 19.029 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

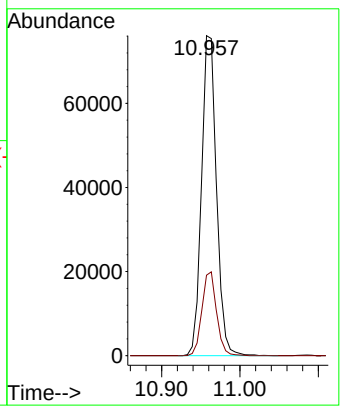
Tgt Ion:105 Resp: 10071

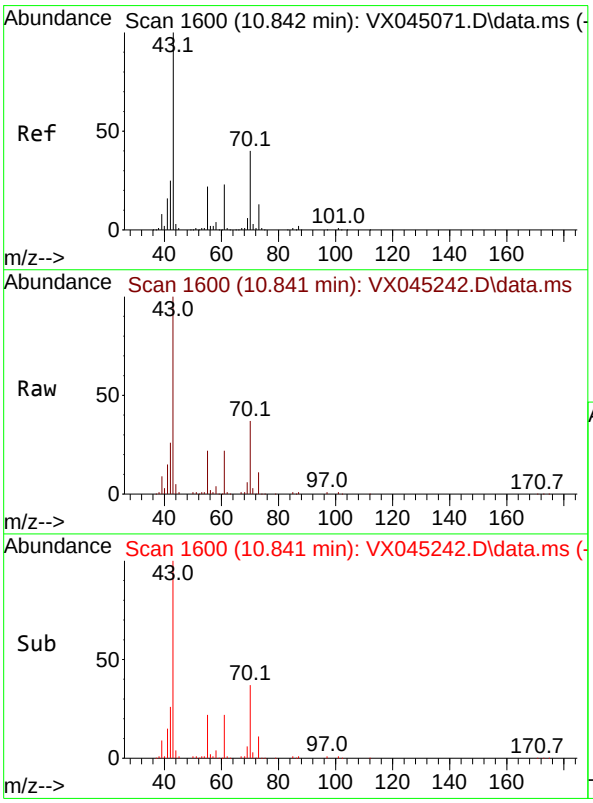
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

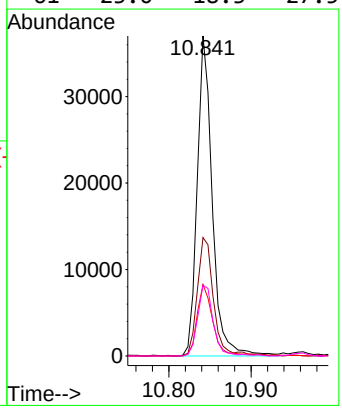


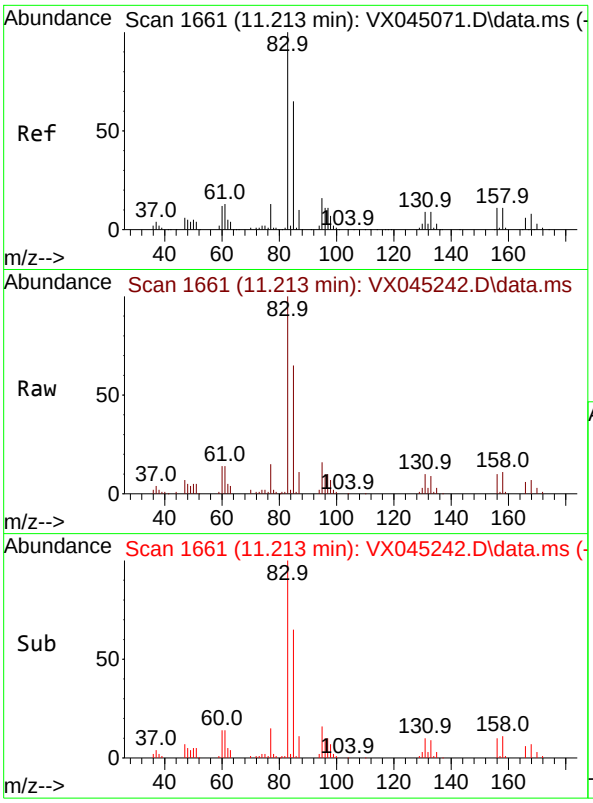


#74
N-amyl acetate
Concen: 19.079 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 47380

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.4	18.3	27.5
61	23.0	18.3	27.5

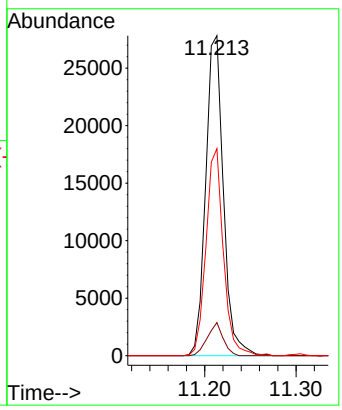




#75
1,1,2,2-Tetrachloroethane
Concen: 19.202 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 83 Resp: 3729

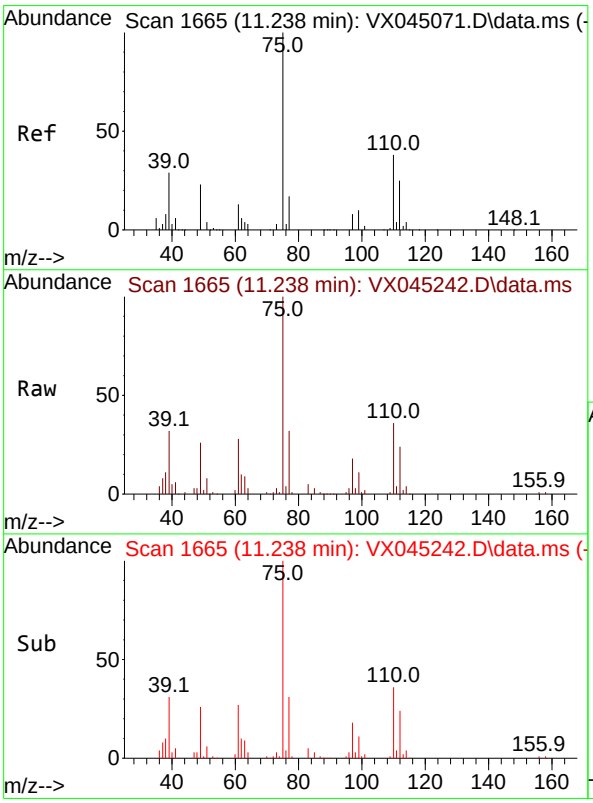
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

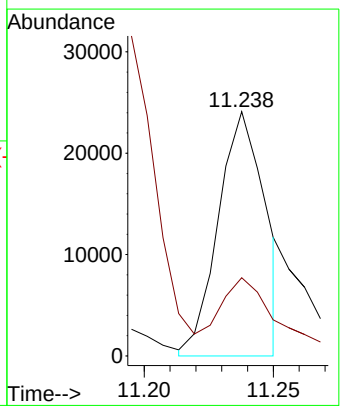
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

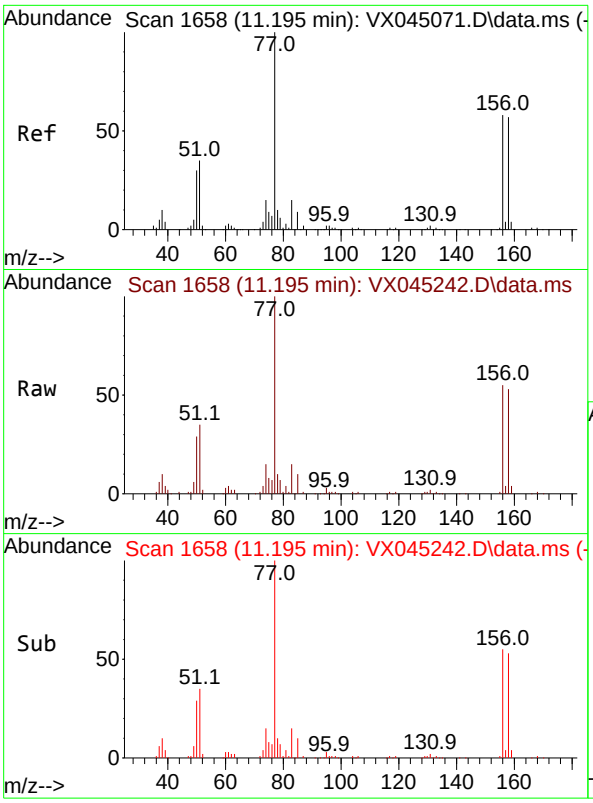


#76
1,2,3-Trichloropropane
Concen: 19.327 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 30501

Ion	Ratio	Lower	Upper
75	100		
77	39.9	20.7	62.1

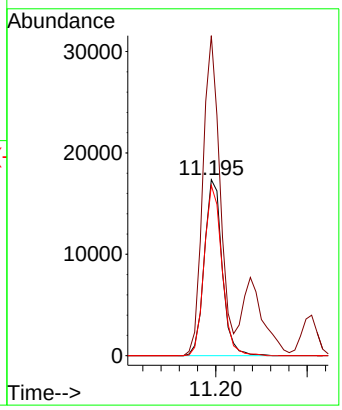




#77
Bromobenzene
Concen: 18.771 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:156 Resp: 2343

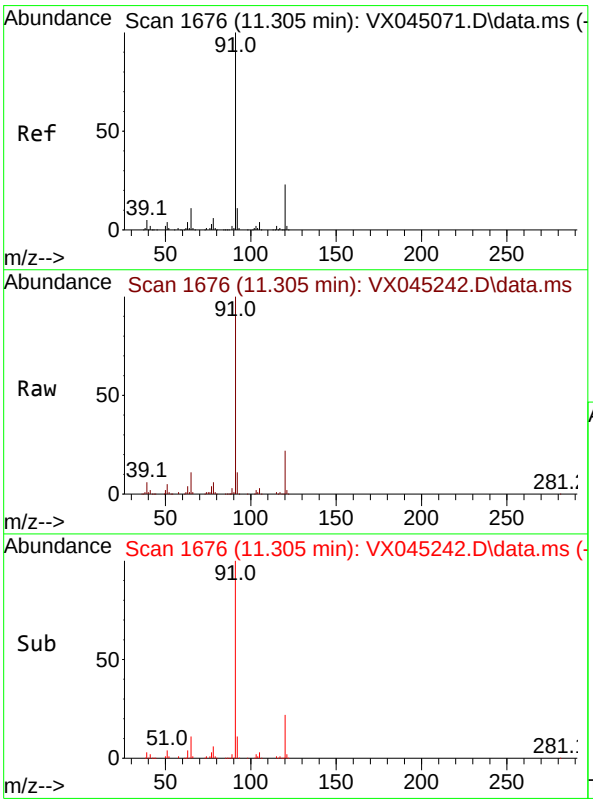
Ion	Ratio	Lower	Upper
156	100		
77	175.4	85.8	257.4
158	96.7	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

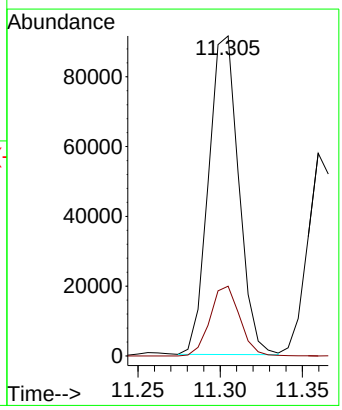
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

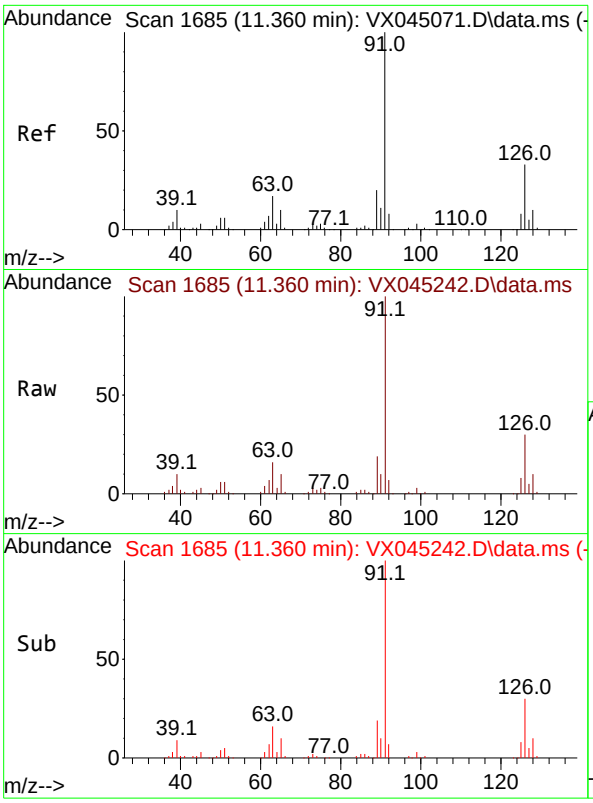


#78
n-propylbenzene
Concen: 19.467 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 91 Resp: 116384

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6

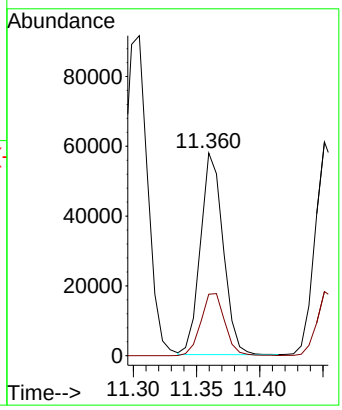




#79
2-Chlorotoluene
Concen: 18.999 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 91 Resp: 7234

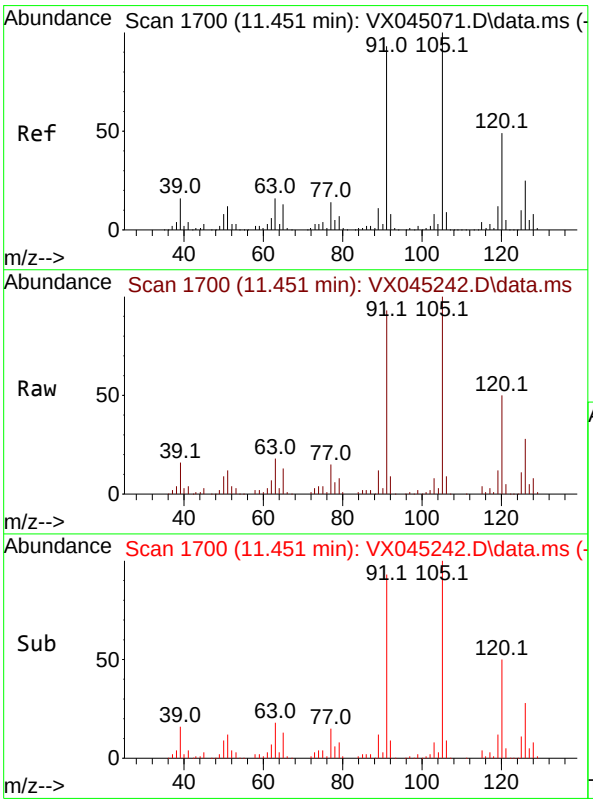
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

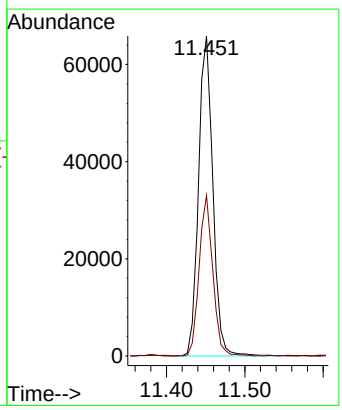
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

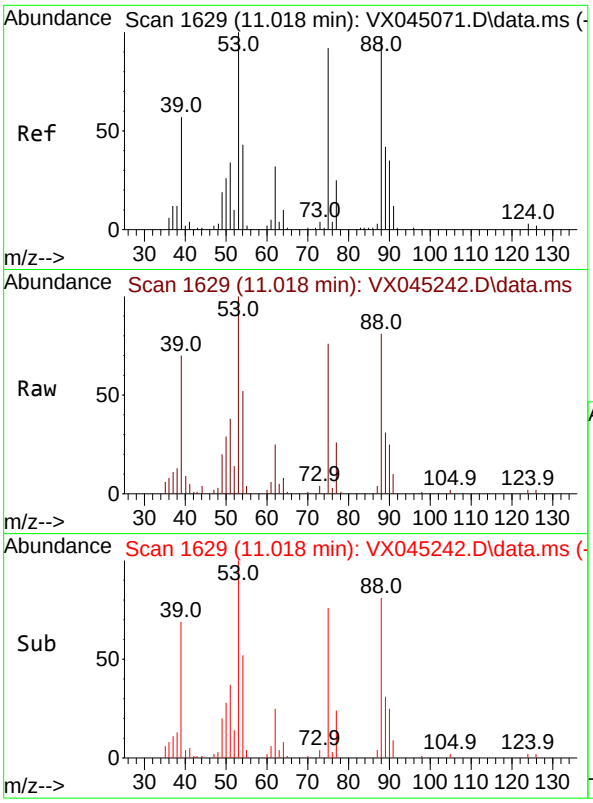


#80
1,3,5-Trimethylbenzene
Concen: 19.530 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:105 Resp: 83574

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 17.898 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

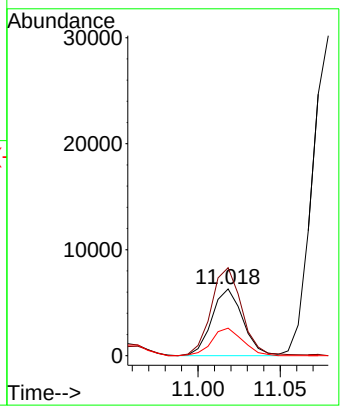
Tgt Ion: 75 Resp: 825

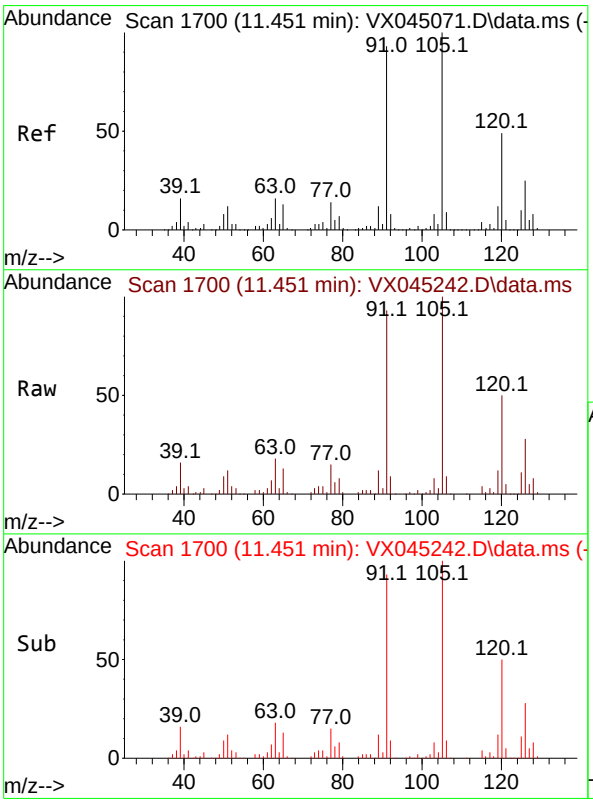
Ion	Ratio	Lower	Upper
75	100		
53	131.5	88.5	132.7
89	41.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

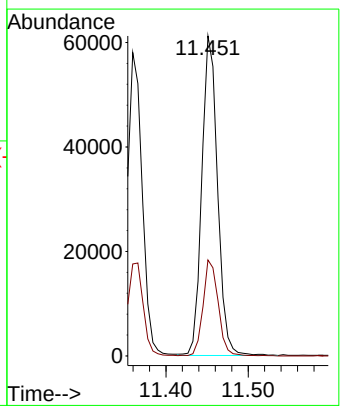


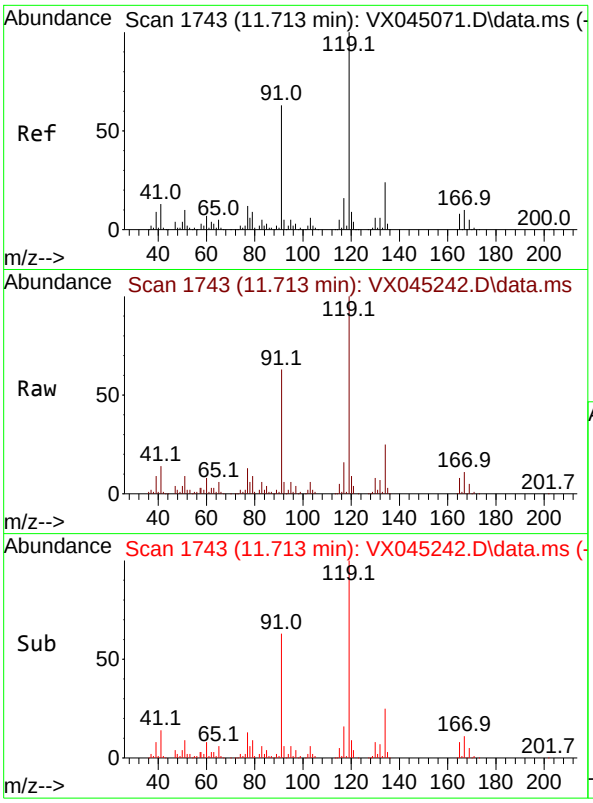


#82
4-Chlorotoluene
Concen: 19.647 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 91 Resp: 81530

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

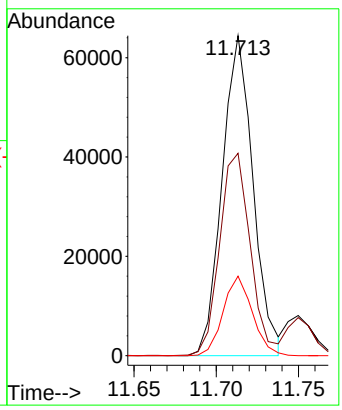




#83
tert-Butylbenzene
Concen: 19.126 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:119 Resp: 8409

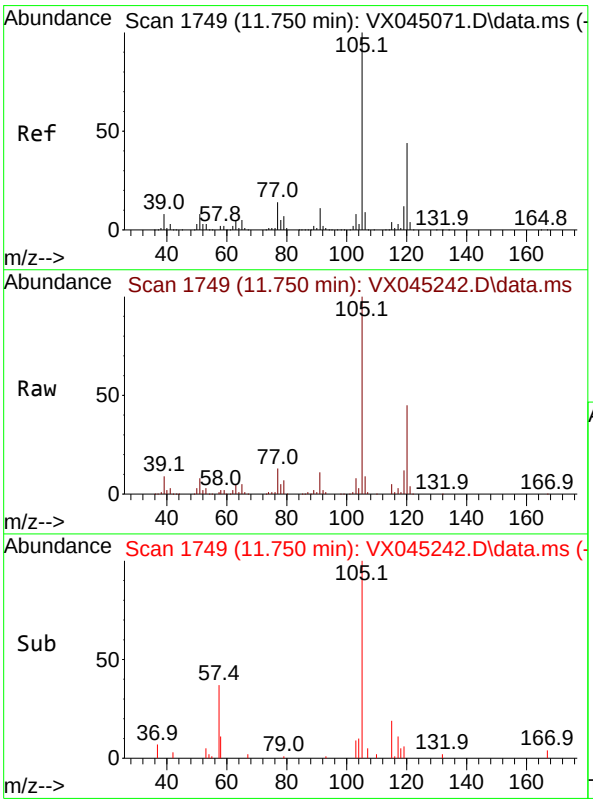
Ion	Ratio	Lower	Upper
119	100		
91	63.1	30.7	92.1
134	23.6	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

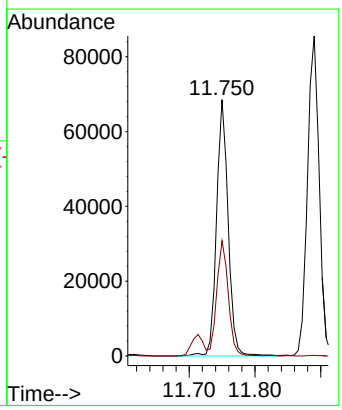
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

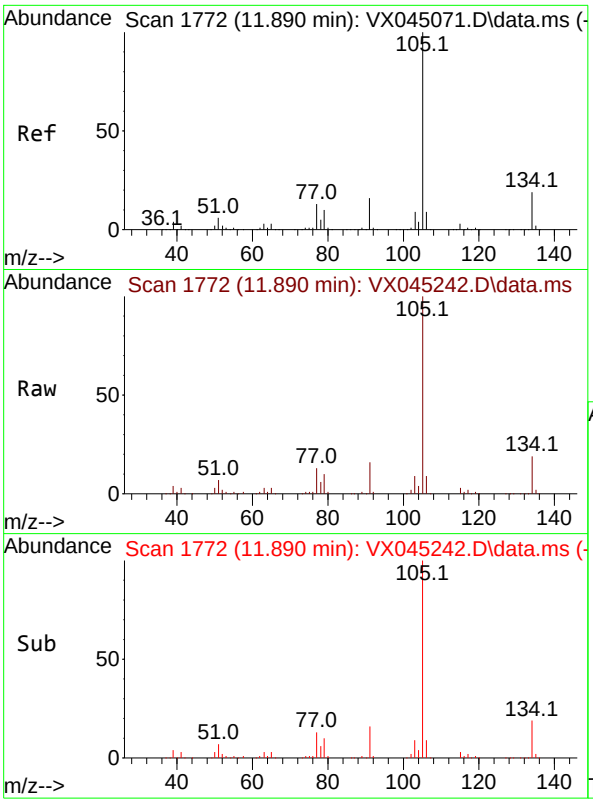


#84
1,2,4-Trimethylbenzene
Concen: 19.563 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:105 Resp: 84235

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1

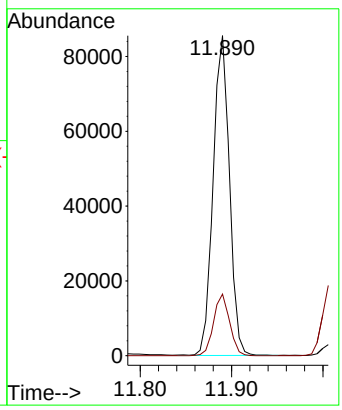




#85
sec-Butylbenzene
Concen: 20.068 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:105 Resp: 10569

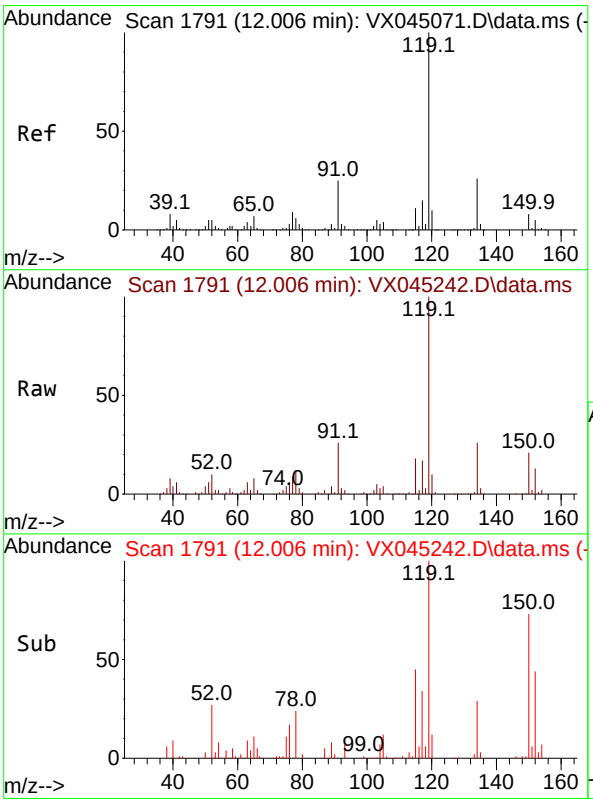
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

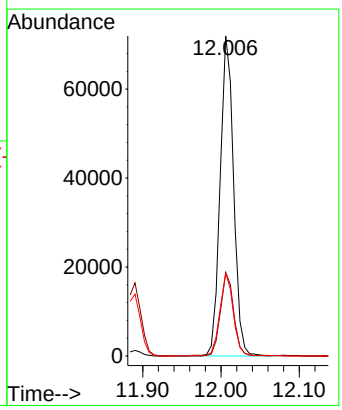
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

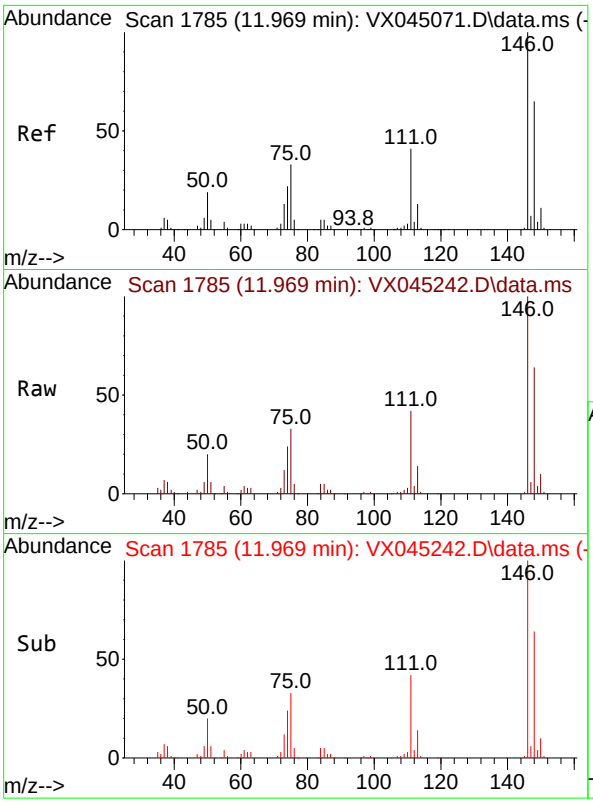


#86
p-Isopropyltoluene
Concen: 20.245 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:119 Resp: 86171

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	25.6	12.7	38.0

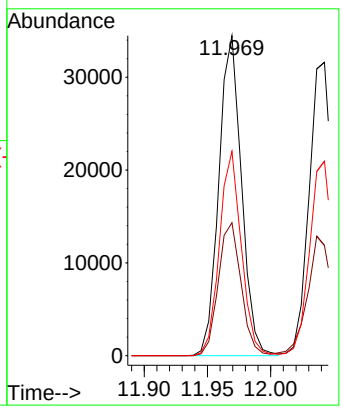




#87
1,3-Dichlorobenzene
Concen: 19.254 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:146 Resp: 4289

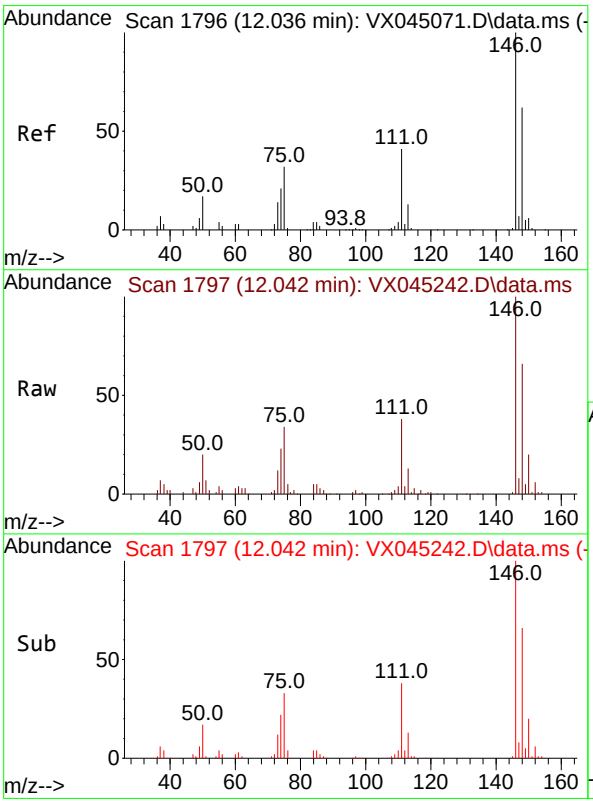
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	61.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

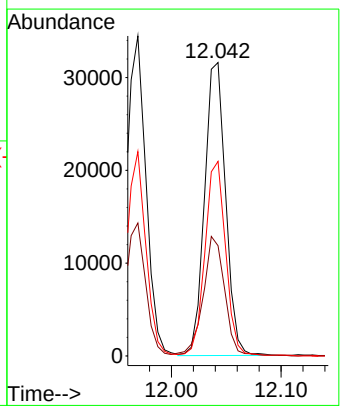
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

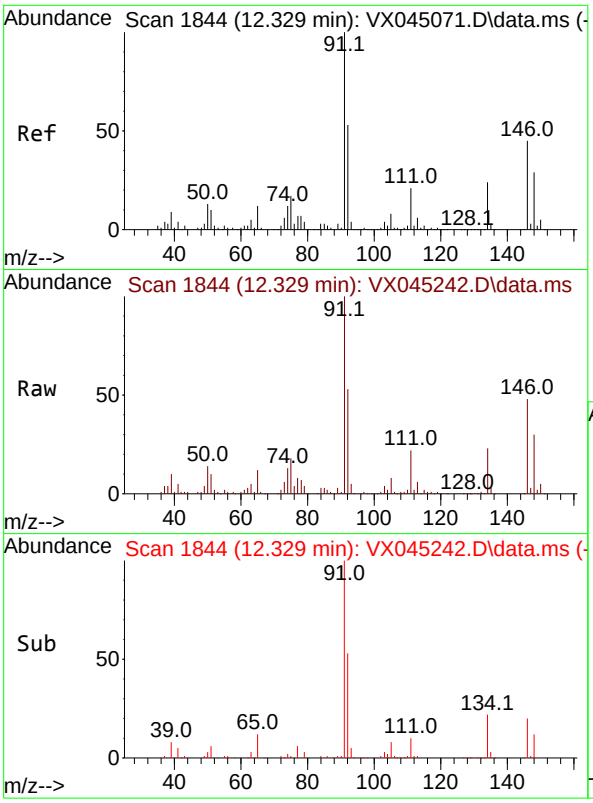


#88
1,4-Dichlorobenzene
Concen: 18.661 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:146 Resp: 42057

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.2	60.5
148	64.7	31.9	95.9

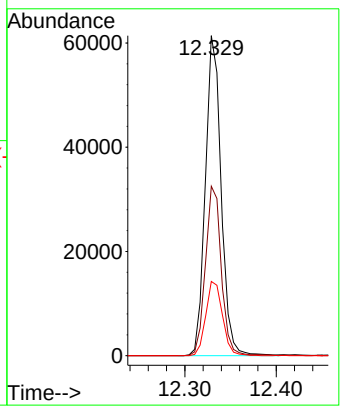




#89
n-Butylbenzene
Concen: 20.035 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 91 Resp: 7344

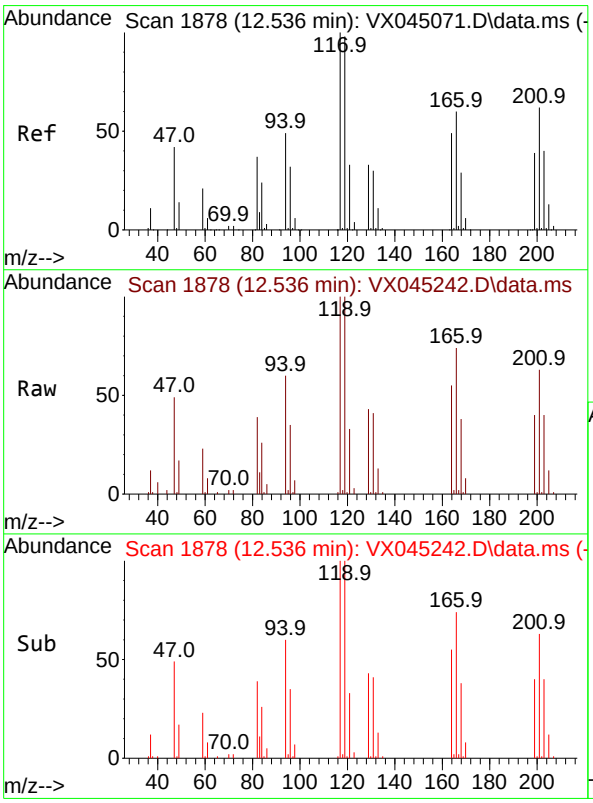
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.5	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

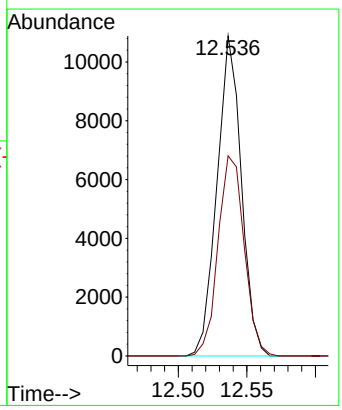
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

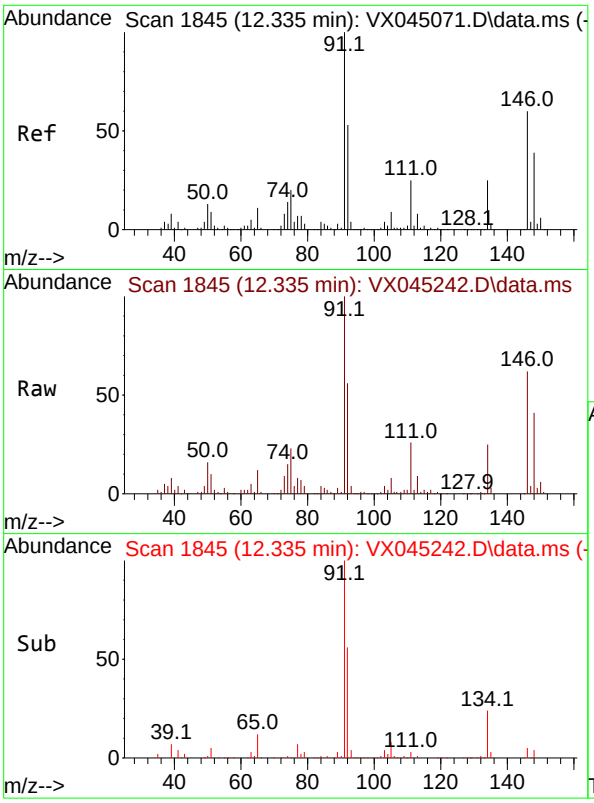


#90
Hexachloroethane
Concen: 17.445 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:117 Resp: 13431

Ion	Ratio	Lower	Upper
117	100		
201	67.3	31.9	95.9

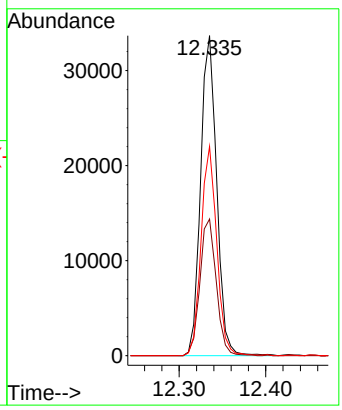




#91
1,2-Dichlorobenzene
Concen: 19.429 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:146 Resp: 4341

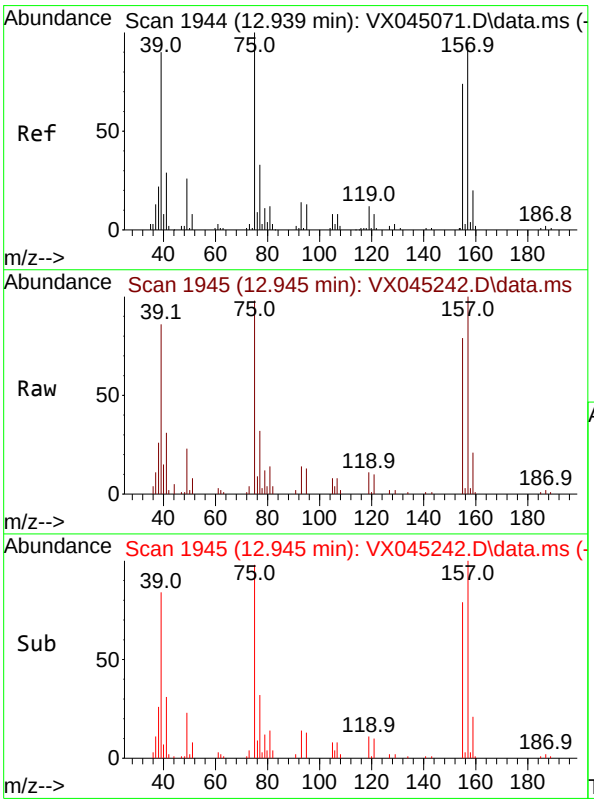
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

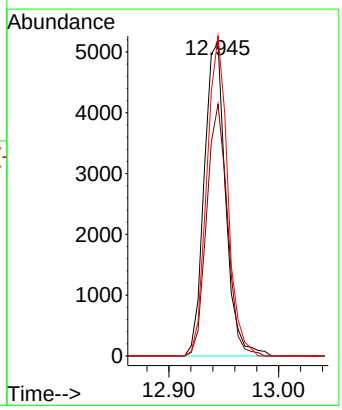
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

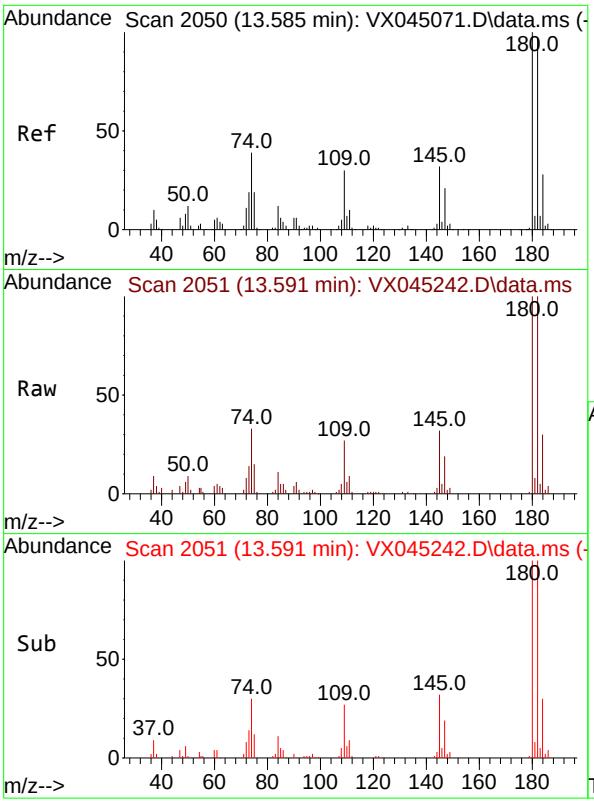


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.480 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 6992

Ion	Ratio	Lower	Upper
75	100		
155	77.7	39.6	118.7
157	99.1	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 19.222 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

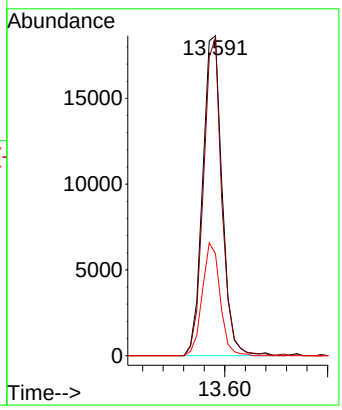
Tgt Ion:180 Resp: 2445

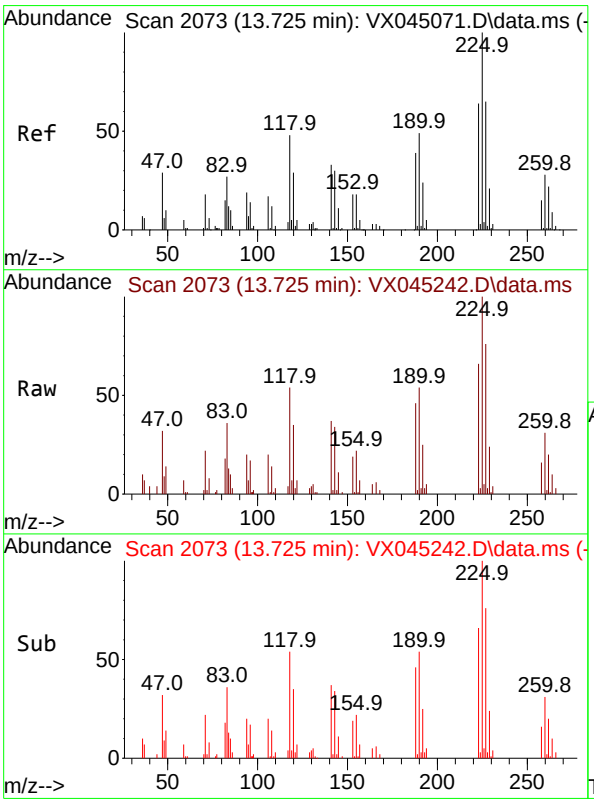
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	32.4	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025

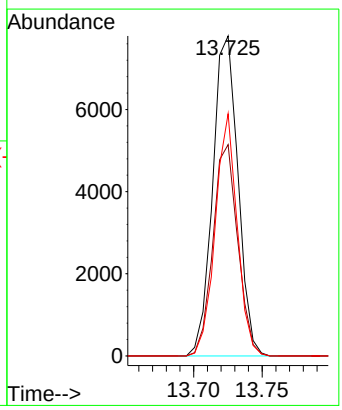


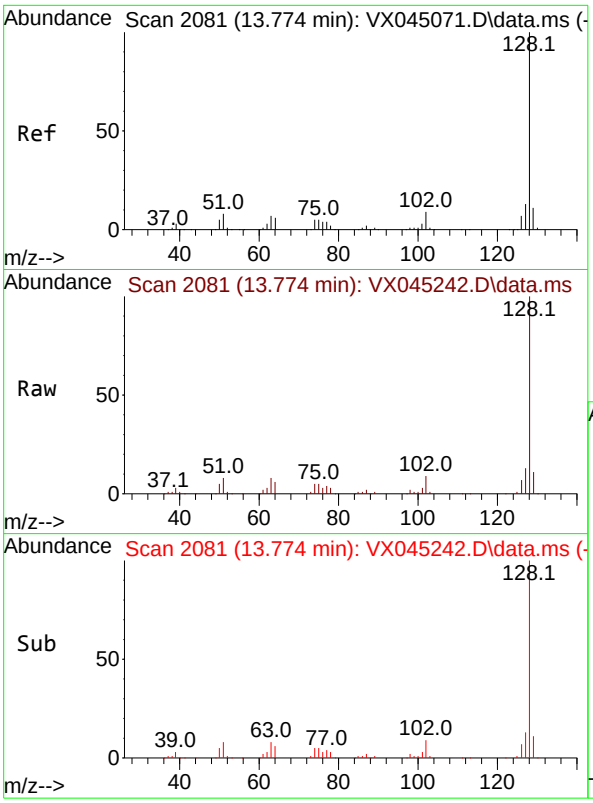


#94
Hexachlorobutadiene
Concen: 19.116 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:225 Resp: 9972

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	65.8	31.4	94.0

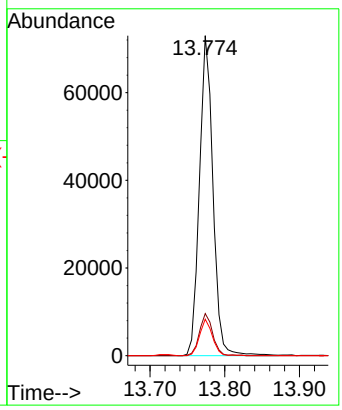




#95
Naphthalene
Concen: 18.778 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:128 Resp: 9179

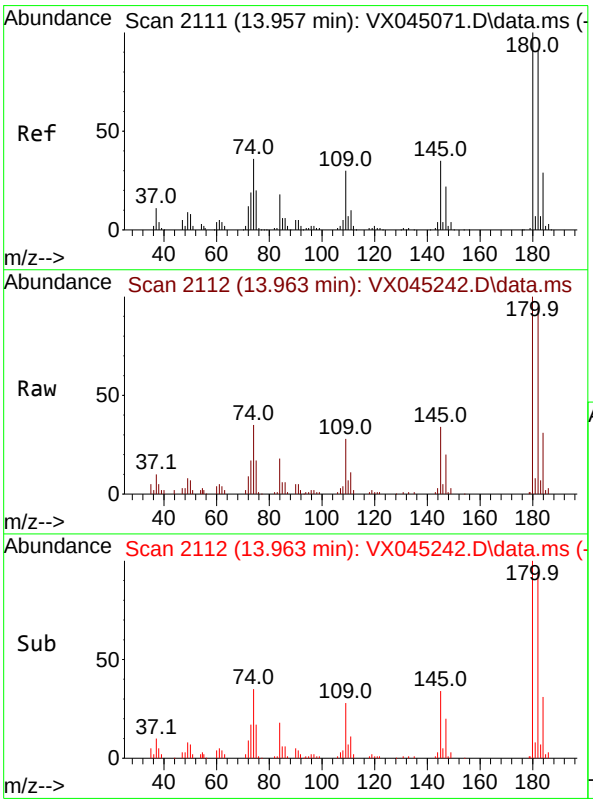
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Manual Integrations APPROVED

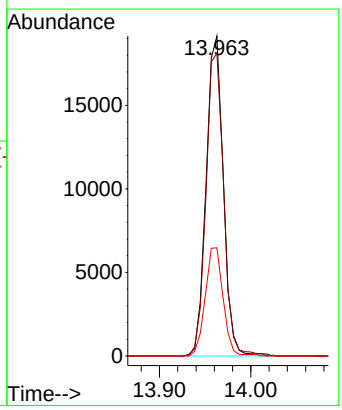
Reviewed By :John Carlone 03/13/2025
Supervised By :Mahesh Dadoda 03/13/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.677 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:180 Resp: 25071

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.5	142.6
145	35.2	17.0	50.9



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

Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX031225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045238.D	1,2,3-Trichloropropane	JOHN	3/13/2025 9:41:26 AM	MMDadoda	3/13/2025 2:27:13 PM	Peak Integrated by Software
VX0312WBS01	VX045241.D	1,2,3-Trichloropropane	JOHN	3/13/2025 9:41:30 AM	MMDadoda	3/13/2025 2:27:14 PM	Peak Integrated by Software
VX0312WBSD01	VX045242.D	1,2,3-Trichloropropane	JOHN	3/13/2025 9:41:34 AM	MMDadoda	3/13/2025 2:27:16 PM	Peak Integrated by Software
VSTDCCC050	VX045255.D	1,2,3-Trichloropropane	JOHN	3/13/2025 9:41:50 AM	MMDadoda	3/13/2025 2:27:17 PM	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 # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

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 # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

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 # VX031225

Review By	John Carlone	Review On	3/13/2025 9:44:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/13/2025 2:27:19 PM		
SubDirectory	VX031225	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133254
Initial Calibration Stds	
CCC	VP133255,VP133256
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045237.D	12 Mar 2025 10:30	JC/MD	Ok
2	VSTDCCC050	VX045238.D	12 Mar 2025 10:58	JC/MD	Ok,M
3	VX0312MBL01	VX045239.D	12 Mar 2025 11:26	JC/MD	Ok
4	VX0312WBL01	VX045240.D	12 Mar 2025 11:49	JC/MD	Ok
5	VX0312WBS01	VX045241.D	12 Mar 2025 12:12	JC/MD	Ok,M
6	VX0312WBSD01	VX045242.D	12 Mar 2025 12:38	JC/MD	Ok,M
7	Q1531-06	VX045243.D	12 Mar 2025 13:01	JC/MD	Dilution
8	IBLK	VX045244.D	12 Mar 2025 13:25	JC/MD	Ok
9	IBLK	VX045245.D	12 Mar 2025 13:48	JC/MD	Ok
10	Q1531-06DL	VX045246.D	12 Mar 2025 14:11	JC/MD	Ok
11	Q1531-19DL	VX045247.D	12 Mar 2025 14:35	JC/MD	Ok
12	Q1531-12DL	VX045248.D	12 Mar 2025 14:58	JC/MD	Ok
13	Q1531-15DL	VX045249.D	12 Mar 2025 15:21	JC/MD	Ok
14	Q1539-03	VX045250.D	12 Mar 2025 15:45	JC/MD	Ok
15	Q1539-04	VX045251.D	12 Mar 2025 16:08	JC/MD	Ok
16	Q1531-20	VX045252.D	12 Mar 2025 16:31	JC/MD	Ok
17	Q1539-01	VX045253.D	12 Mar 2025 16:55	JC/MD	Ok
18	Q1539-02	VX045254.D	12 Mar 2025 17:18	JC/MD	Ok
19	VSTDCCC050	VX045255.D	12 Mar 2025 17:41	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 # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

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 # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

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 # VX031225

Review By	John Carlone	Review On	3/13/2025 9:44:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/13/2025 2:27:19 PM		
SubDirectory	VX031225	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133254
Initial Calibration Stds	
CCC	VP133255,VP133256
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	VX045237.D	12 Mar 2025 10:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045238.D	12 Mar 2025 10:58	pH#Lot#V12668	JC/MD	Ok,M
3	VX0312MBL01	VX0312MBL01	VX045239.D	12 Mar 2025 11:26		JC/MD	Ok
4	VX0312WBL01	VX0312WBL01	VX045240.D	12 Mar 2025 11:49		JC/MD	Ok
5	VX0312WBS01	VX0312WBS01	VX045241.D	12 Mar 2025 12:12		JC/MD	Ok,M
6	VX0312WBSD01	VX0312WBSD01	VX045242.D	12 Mar 2025 12:38		JC/MD	Ok,M
7	Q1531-06	DUP01-20250306	VX045243.D	12 Mar 2025 13:01	vial A pH<2 Need 10X	JC/MD	Dilution
8	IBLK	IBLK	VX045244.D	12 Mar 2025 13:25		JC/MD	Ok
9	IBLK	IBLK	VX045245.D	12 Mar 2025 13:48		JC/MD	Ok
10	Q1531-06DL	DUP01-20250306DL	VX045246.D	12 Mar 2025 14:11	vial B pH<2	JC/MD	Ok
11	Q1531-19DL	RE104D2-20250307DL	VX045247.D	12 Mar 2025 14:35	vial B pH<2	JC/MD	Ok
12	Q1531-12DL	RE108D2-20250306DL	VX045248.D	12 Mar 2025 14:58	vial B pH<2	JC/MD	Ok
13	Q1531-15DL	RE105D2-20250306DL	VX045249.D	12 Mar 2025 15:21	vial B pH<2	JC/MD	Ok
14	Q1539-03	TAP-TB-03-031025	VX045250.D	12 Mar 2025 15:45	vial A pH<2 TB	JC/MD	Ok
15	Q1539-04	TAP-TB-04-031025-T2	VX045251.D	12 Mar 2025 16:08	vial A pH<2 TB	JC/MD	Ok
16	Q1531-20	RE104D3-20250307	VX045252.D	12 Mar 2025 16:31	vial B pH<2	JC/MD	Ok
17	Q1539-01	TAPIAL3-MW03D-0310	VX045253.D	12 Mar 2025 16:55	vial A pH<2	JC/MD	Ok
18	Q1539-02	TAPFTA-MW01I-03102	VX045254.D	12 Mar 2025 17:18	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 # VX031225

Review By	John Carlone	Review On	3/13/2025 9:44:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/13/2025 2:27:19 PM		
SubDirectory	VX031225	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133254
Initial Calibration Stds	
CCC	VP133255,VP133256
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VX045255.D	12 Mar 2025 17:41		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 : Q1539

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX031225,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133036,VP133174,VP133178,VP133254,VP133255,VP133256,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14872,V14873,V14874,V14875,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
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

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	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133254	03/12/2025	03/13/2025	John Carlone	None	None	Mahesh Dadoda 03/14/2025

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	VP133255	03/12/2025	03/13/2025	John Carlone	None	None	Mahesh Dadoda 03/14/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133256	03/12/2025	03/13/2025	John Carlone	None	None	Mahesh Dadoda 03/14/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

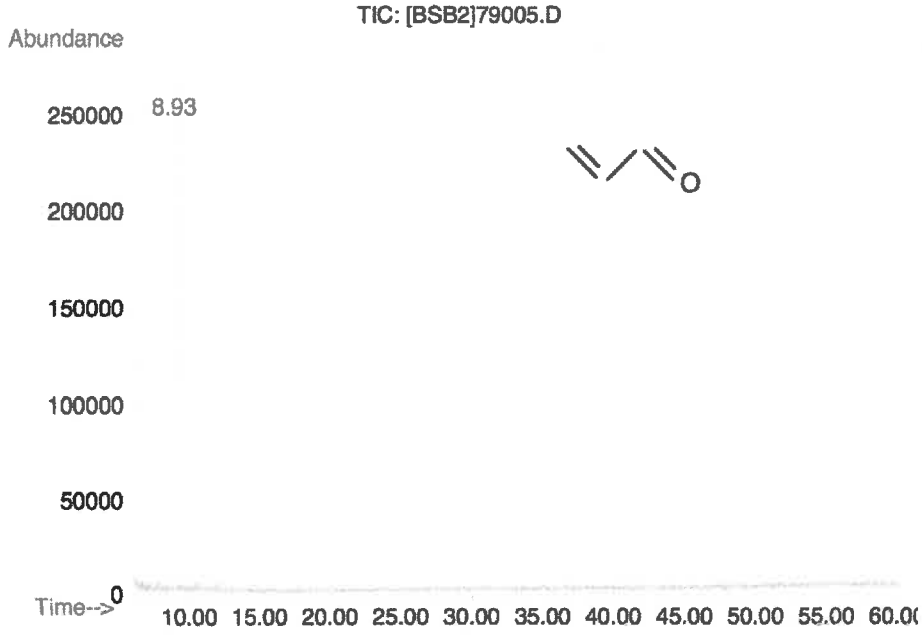
V14872 to
V14876

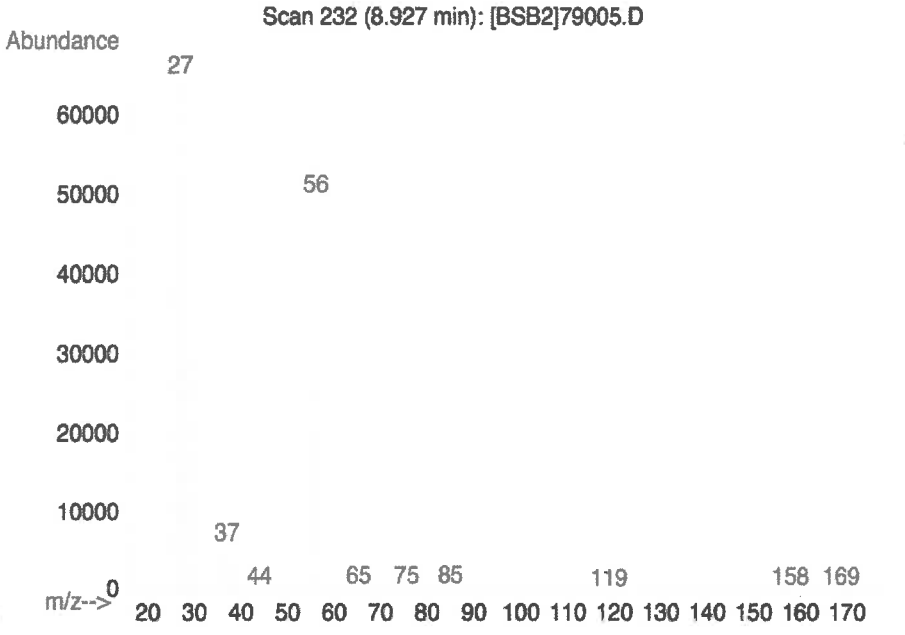
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

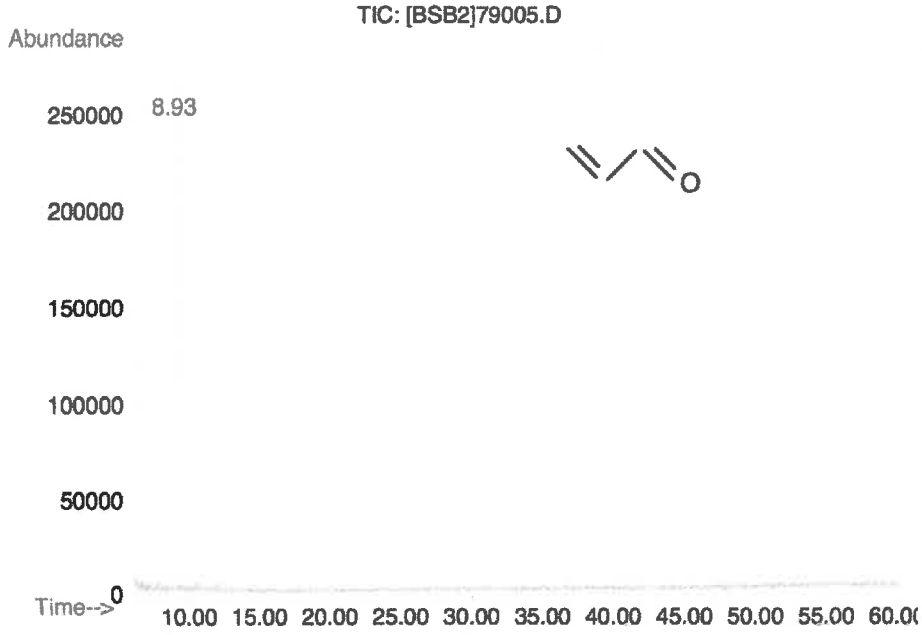
V14872 to
V14876

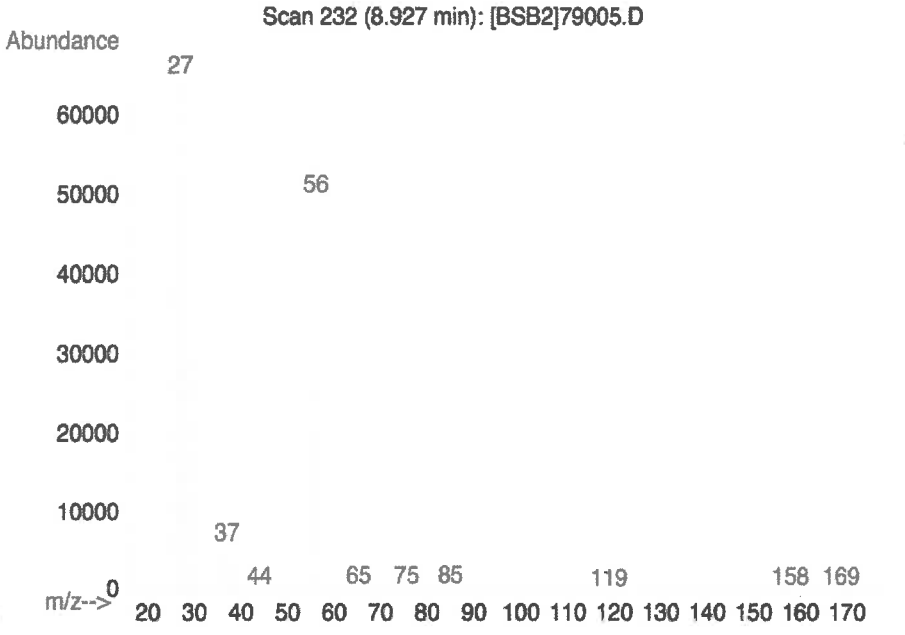
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

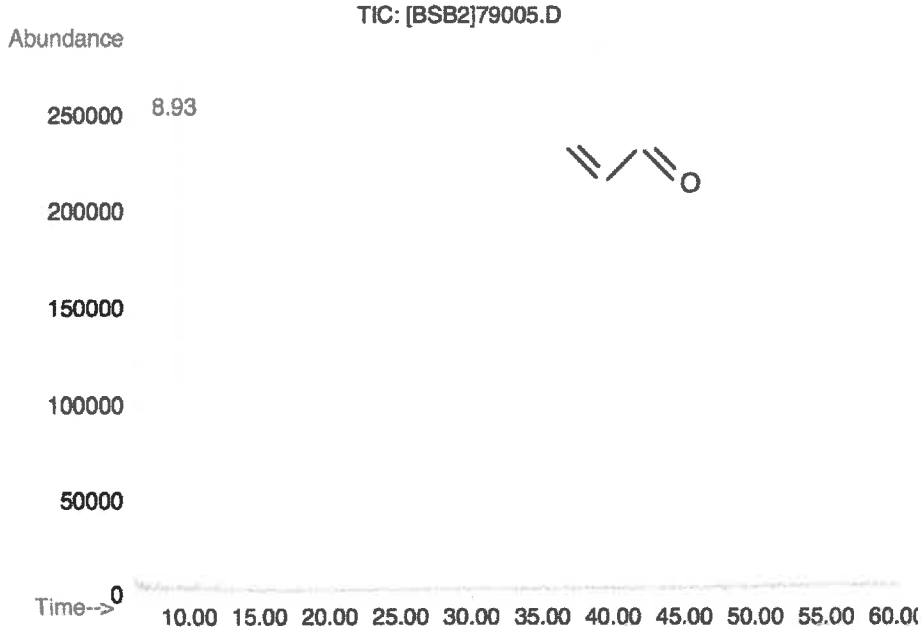
V14872 to
V14876

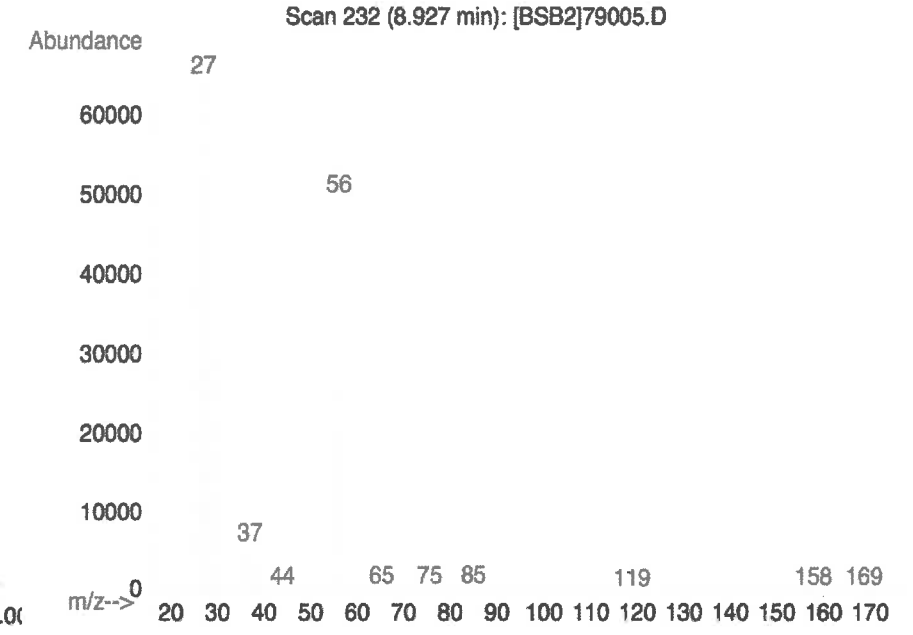
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

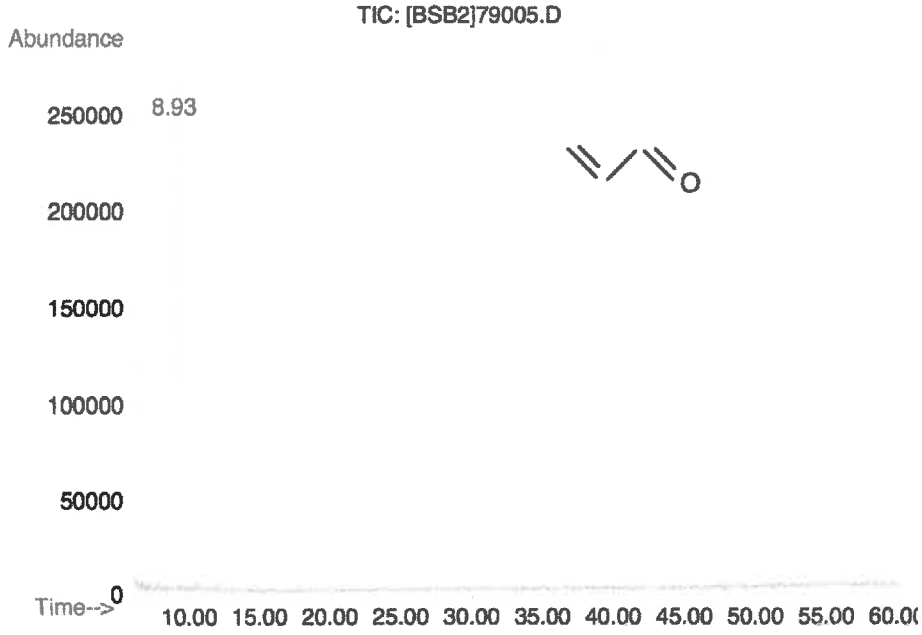
V14872 to
V14876

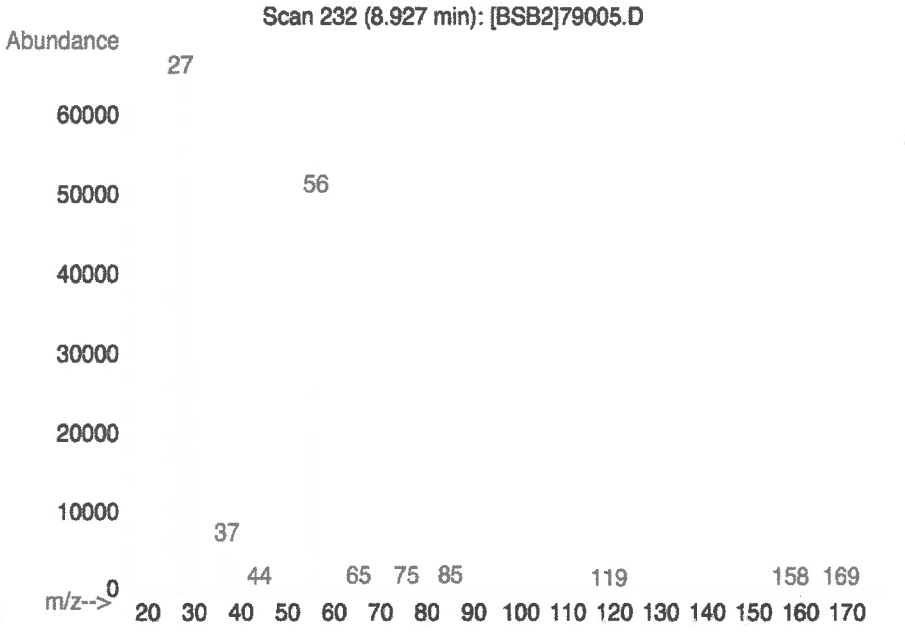
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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

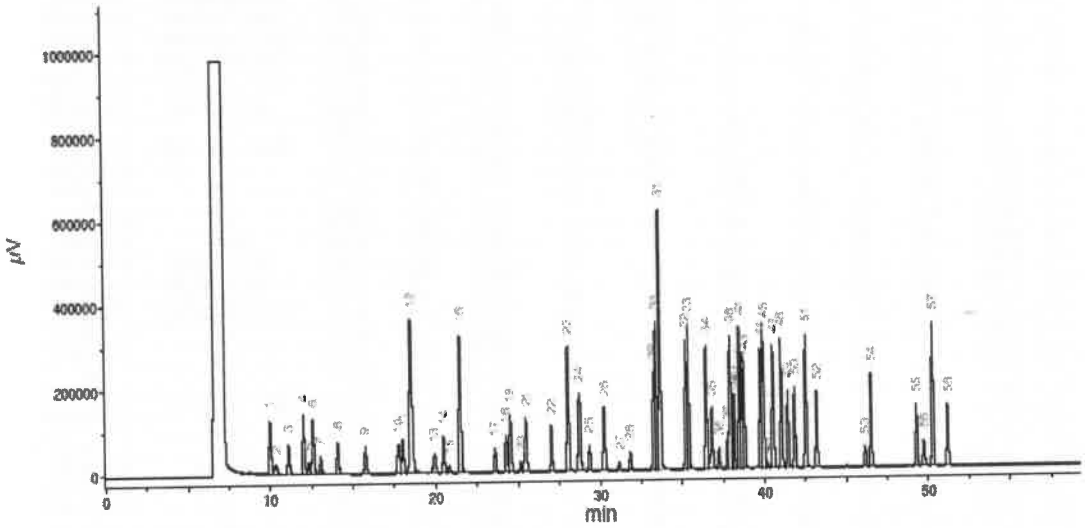
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	40010.6	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-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

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

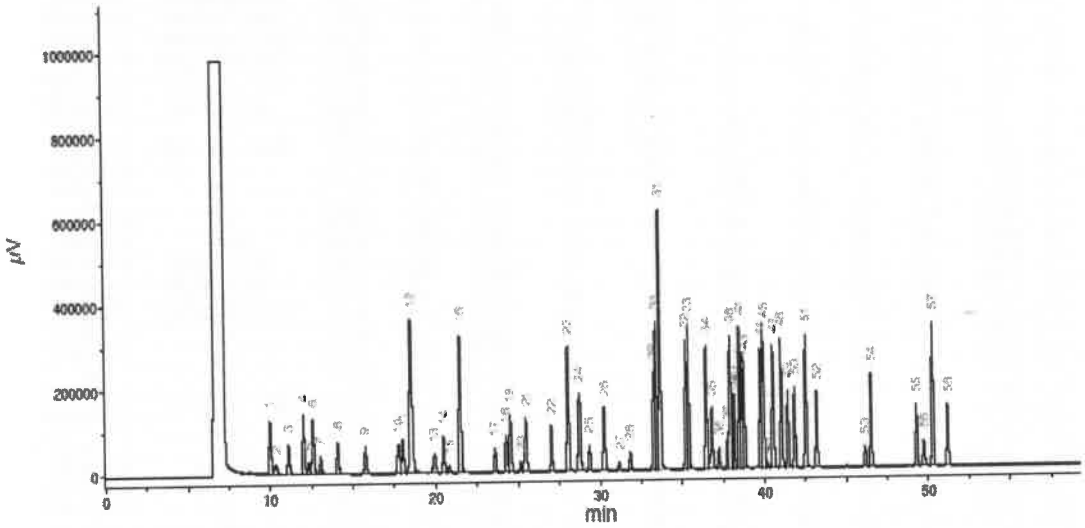
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/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	46.46
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

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

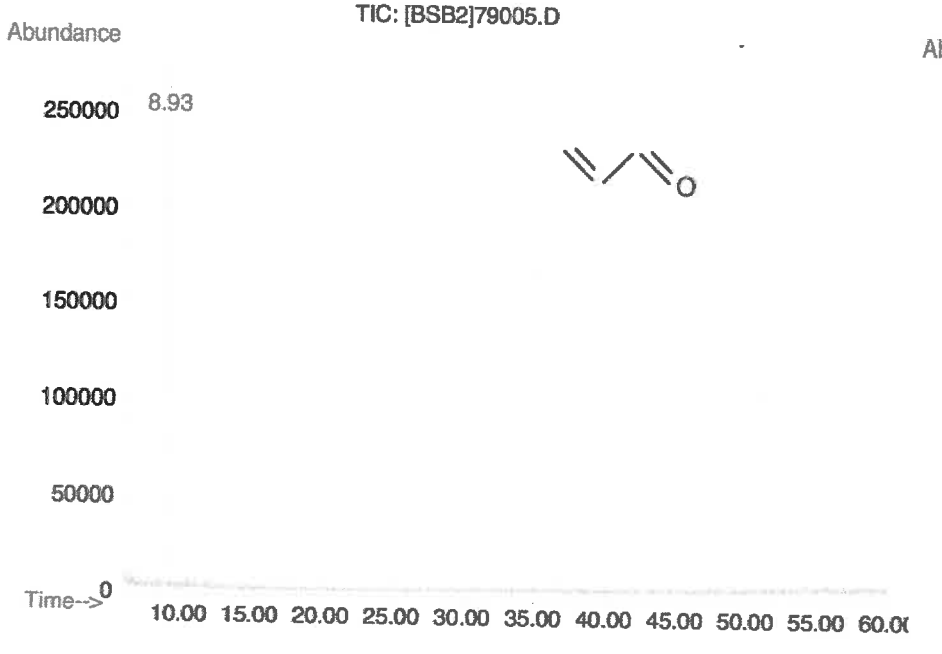
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

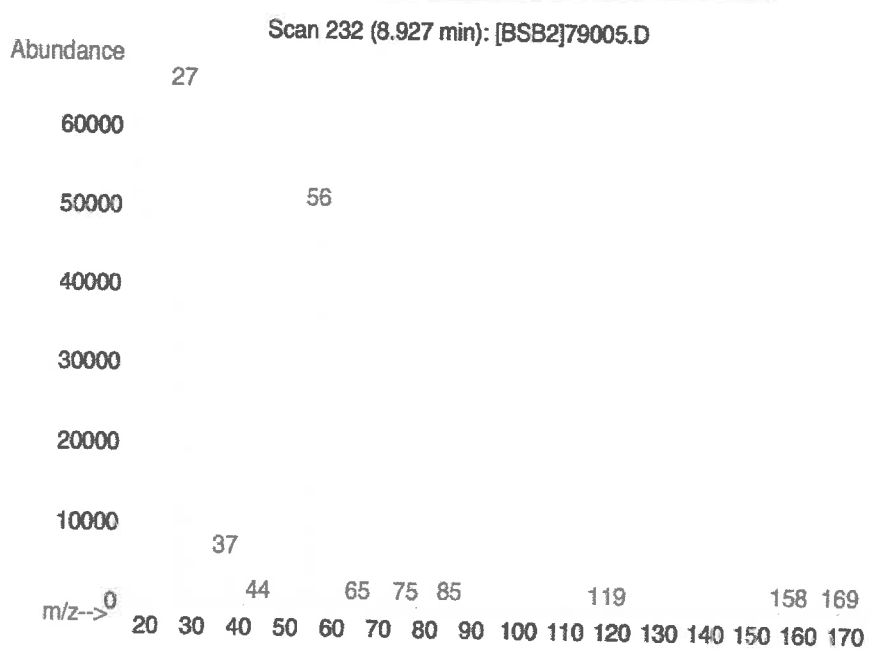
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

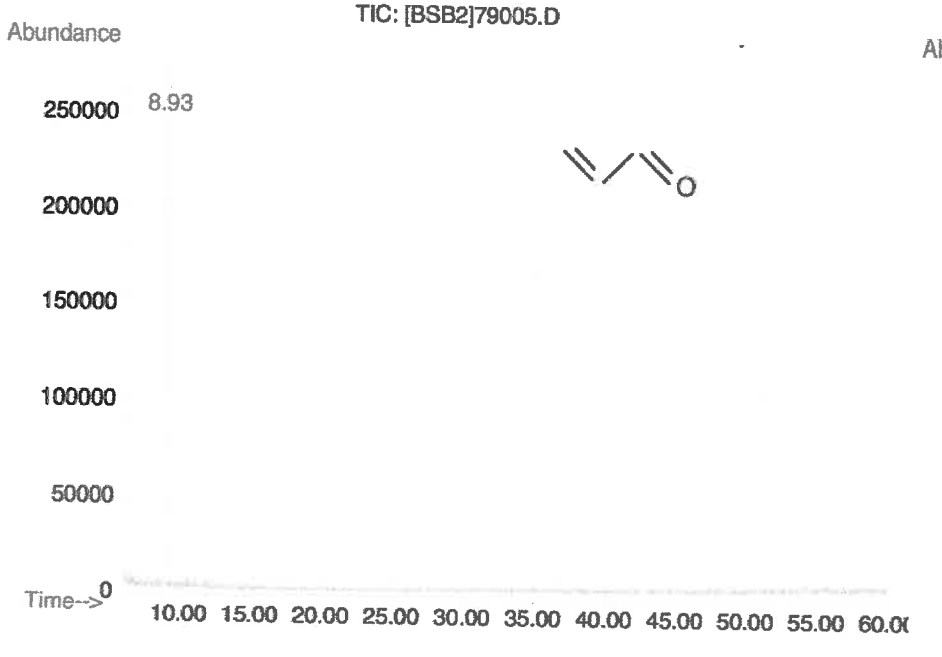
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

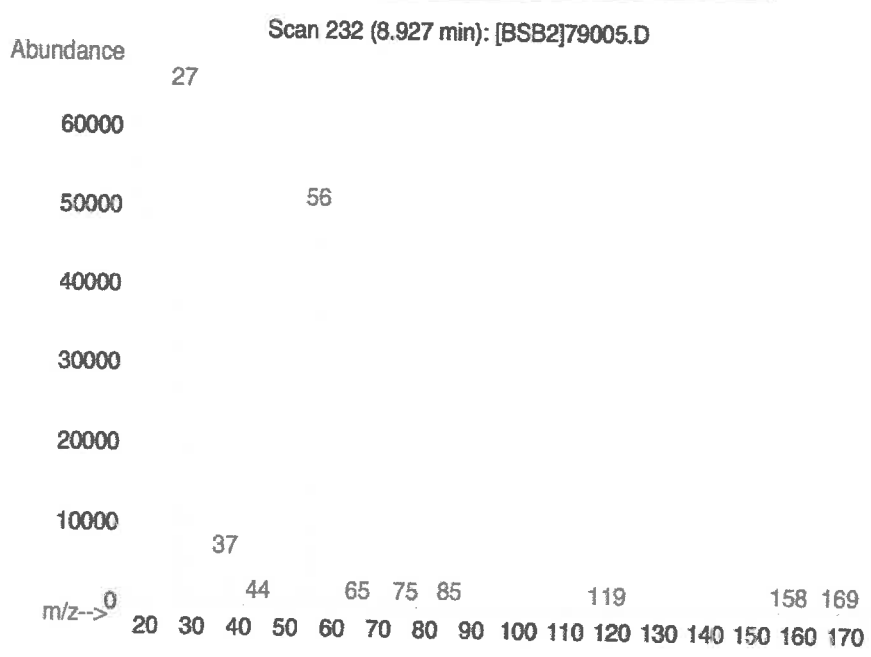
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

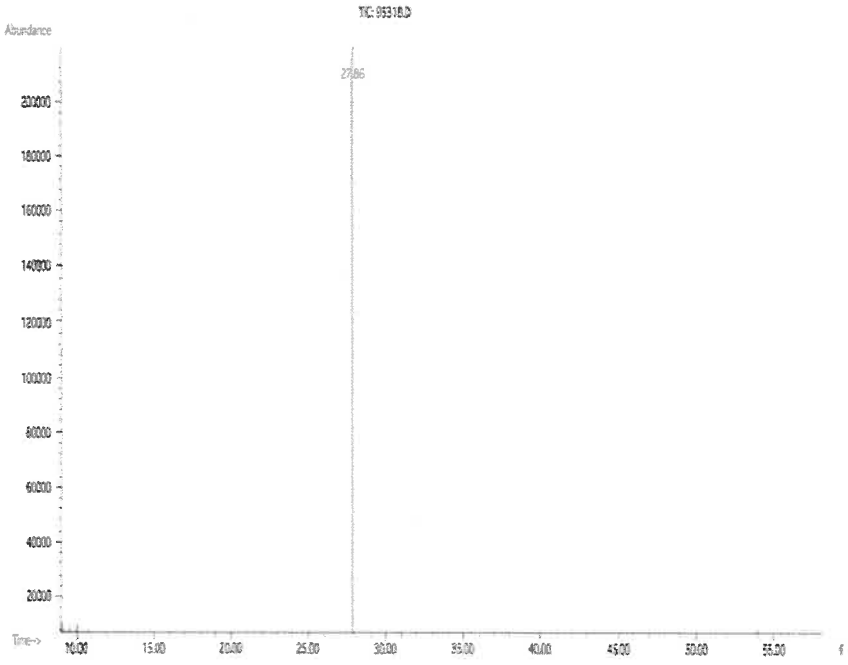
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

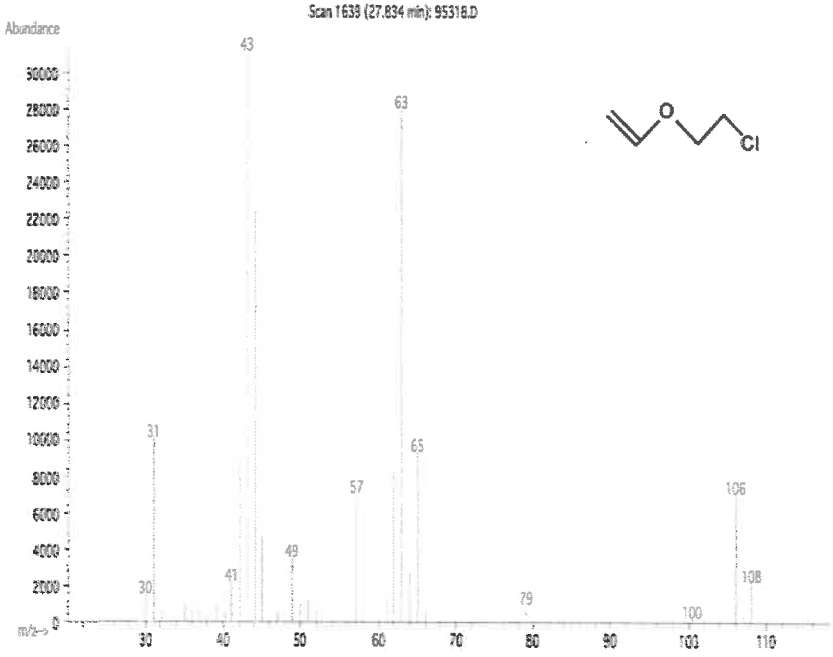
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

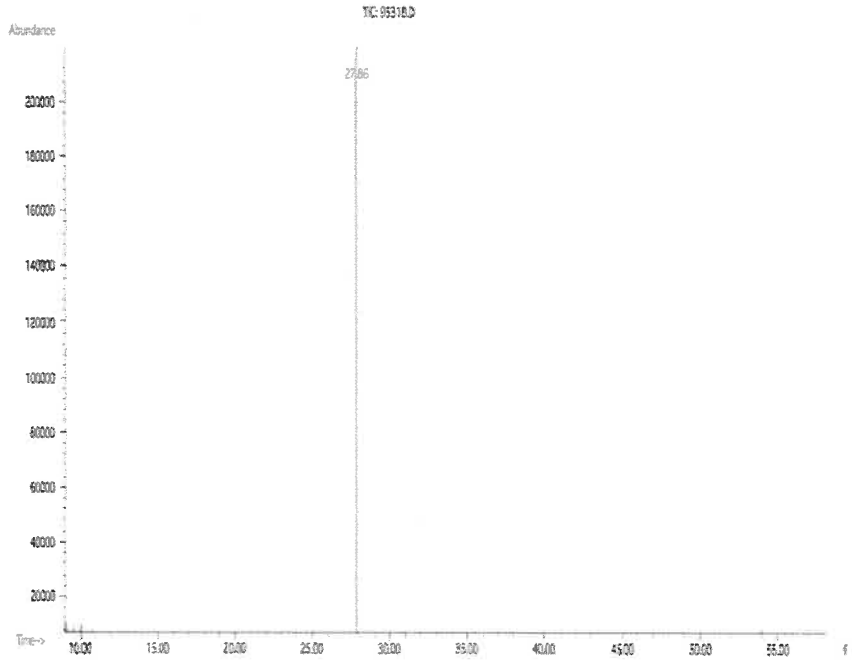
Solvent(s): Methanol **Lot#** EJ143-US

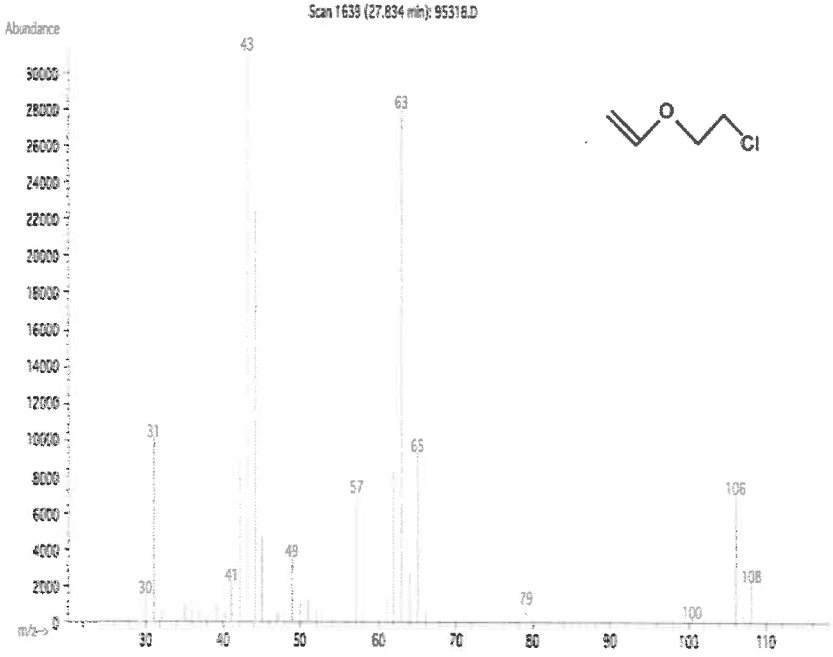
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

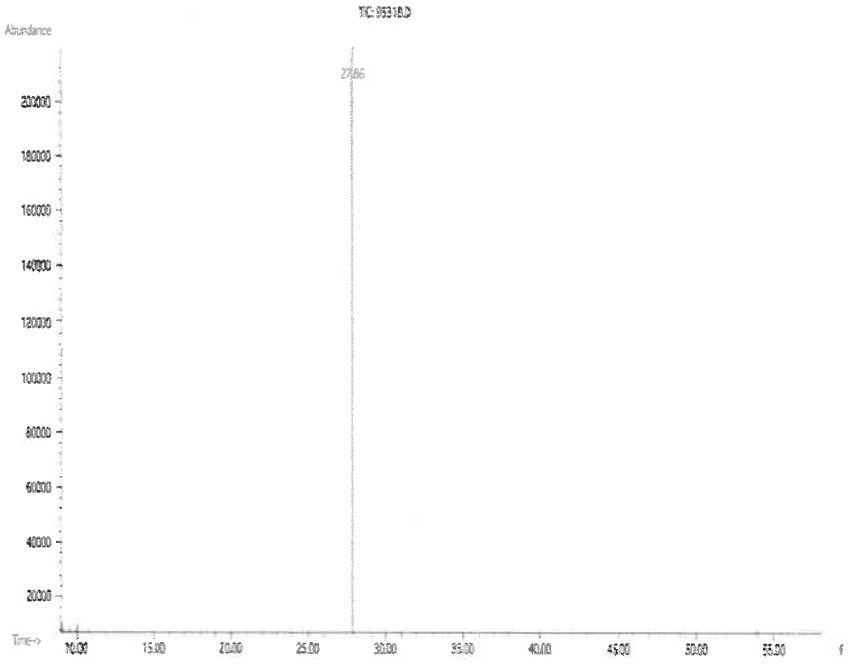
Solvent(s): Methanol **Lot#** EJ143-US

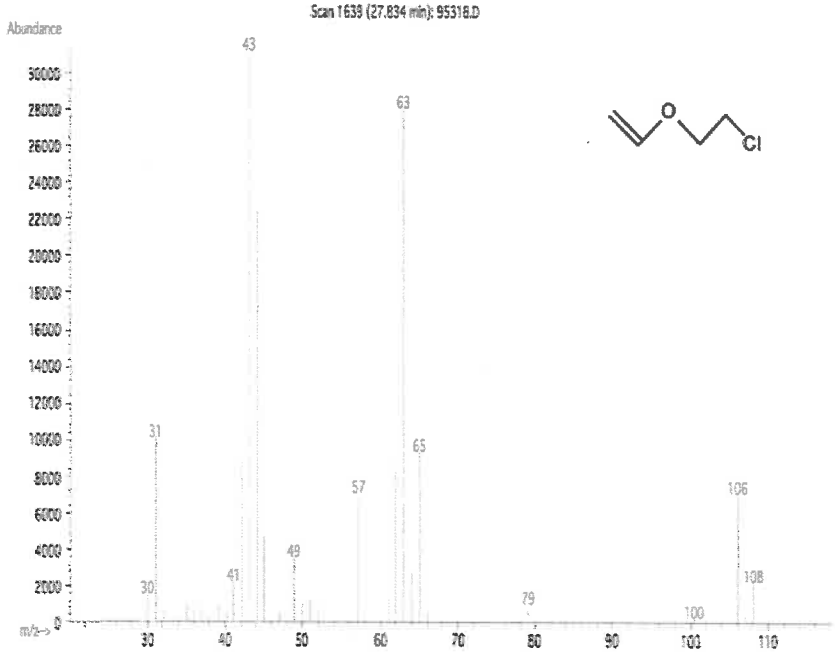
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

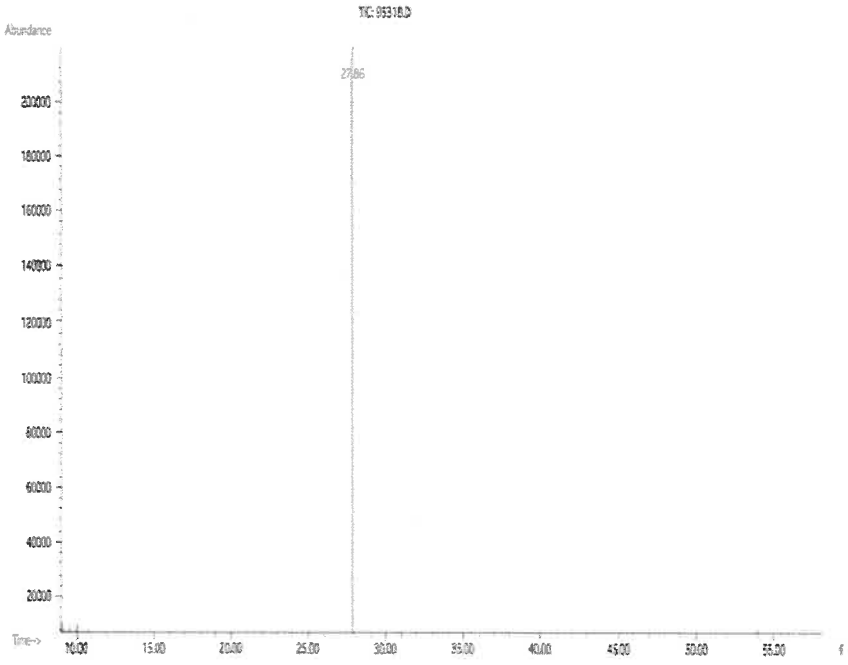
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

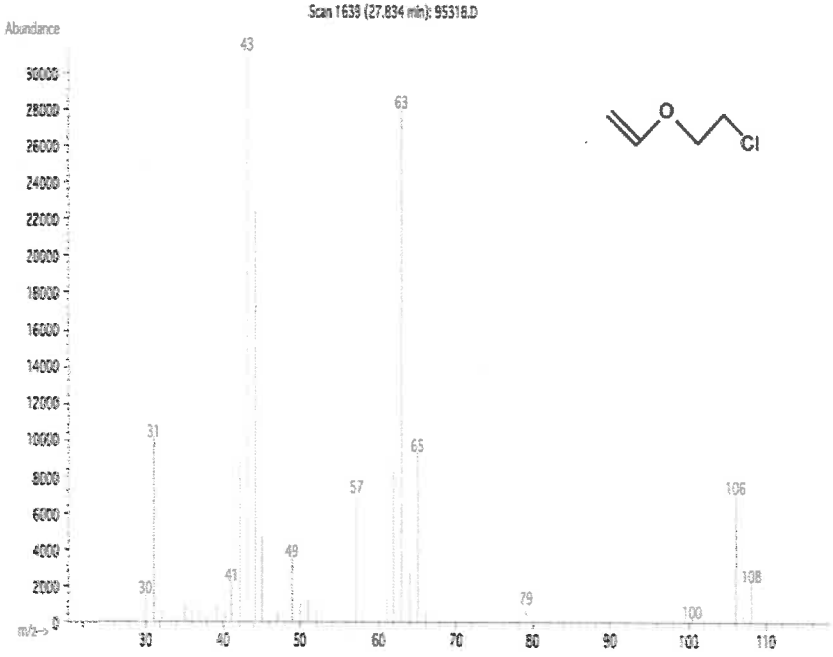
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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.)

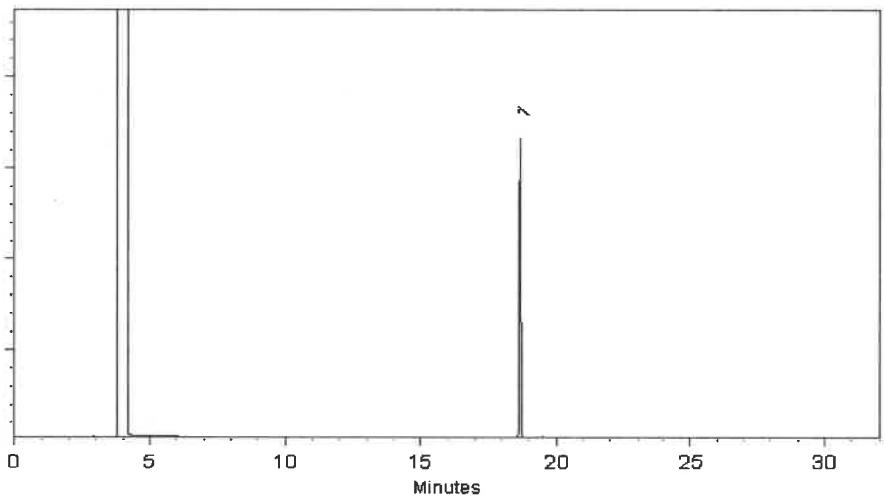
Inj. Temp:
200°C

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.)

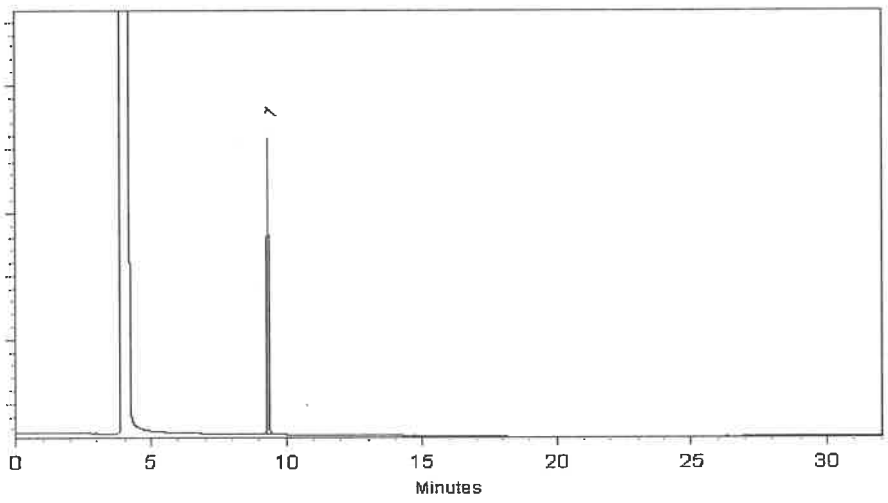
Inj. Temp:
200°C

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.)

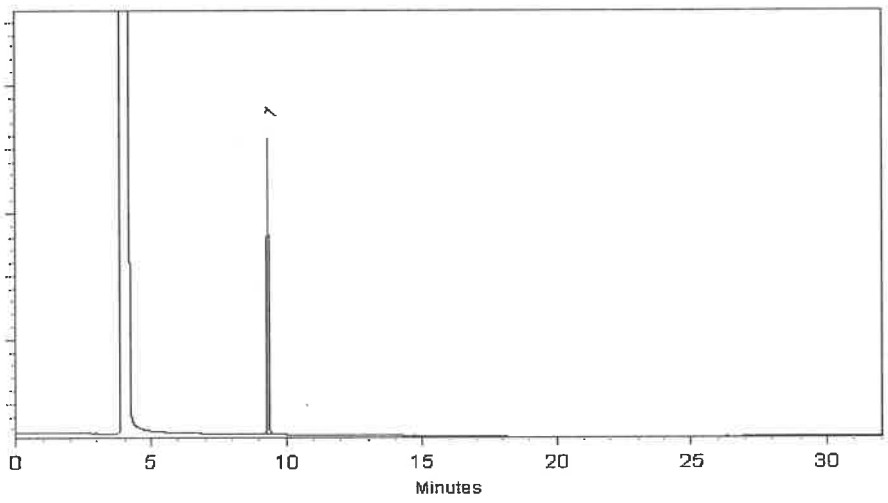
Inj. Temp:
200°C

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. : 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.)

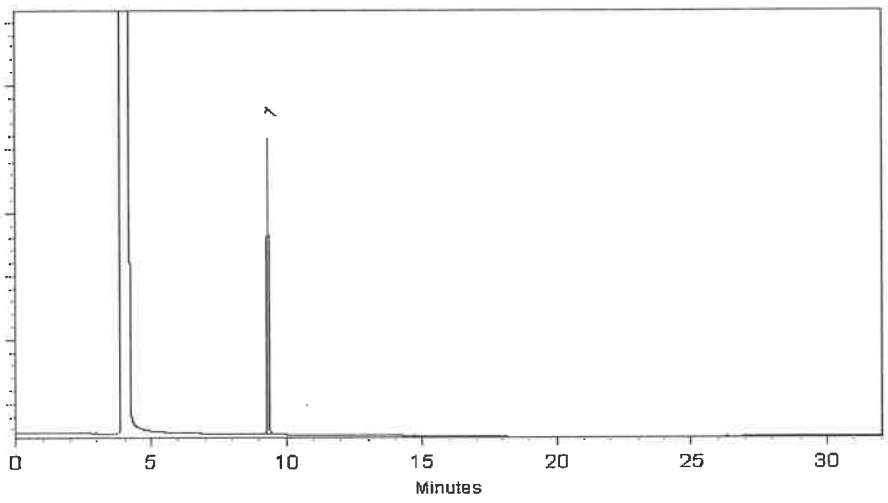
Inj. Temp:
200°C

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.)

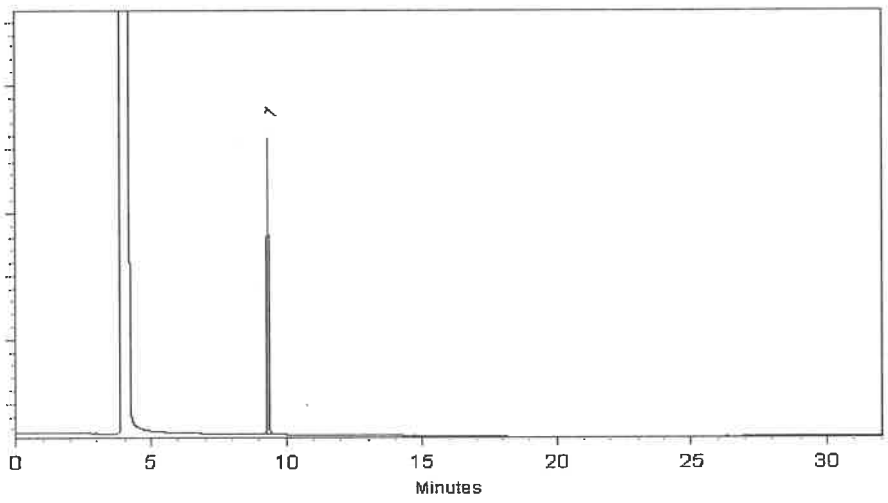
Inj. Temp:
200°C

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

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. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

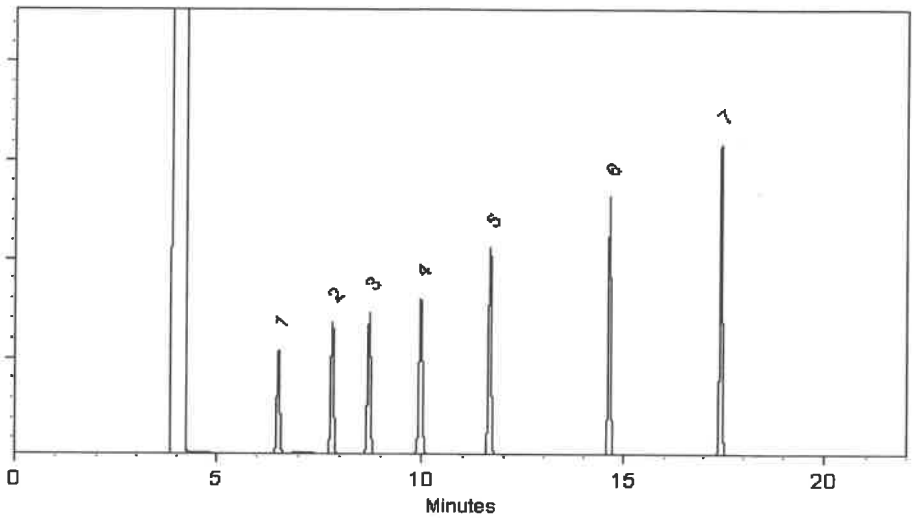
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

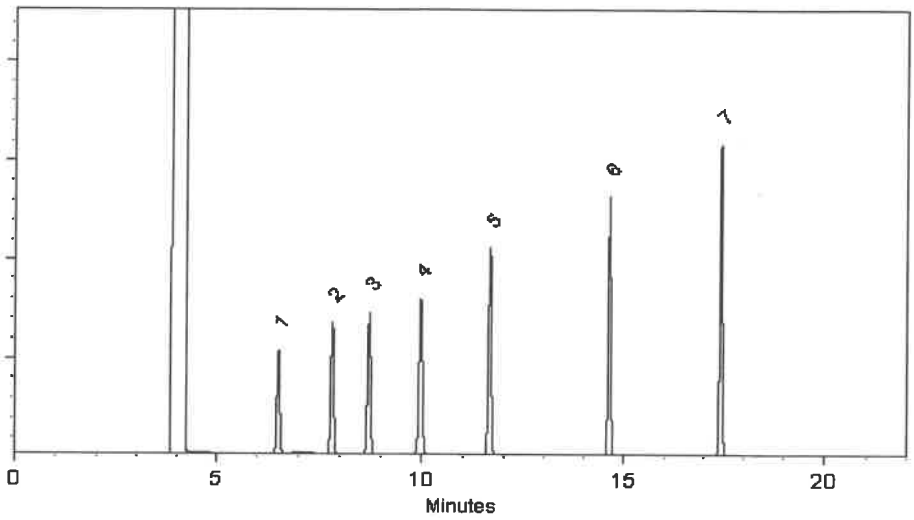
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

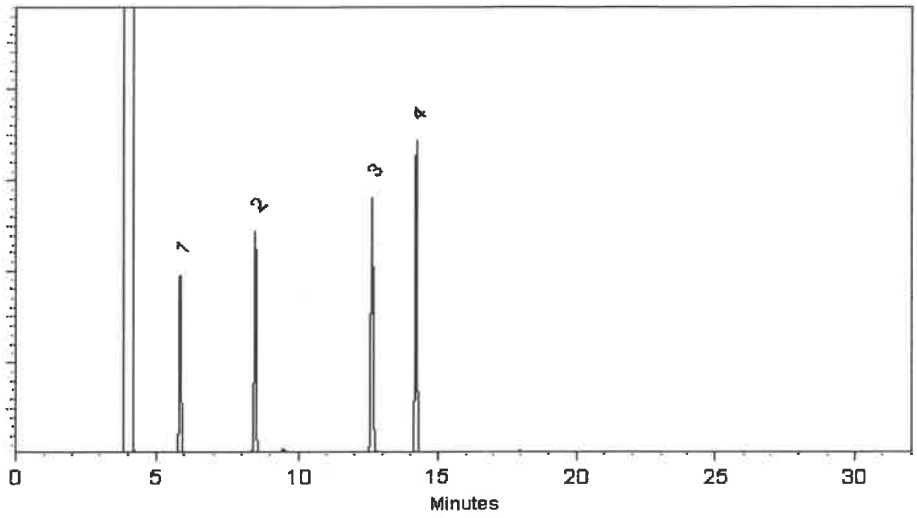
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

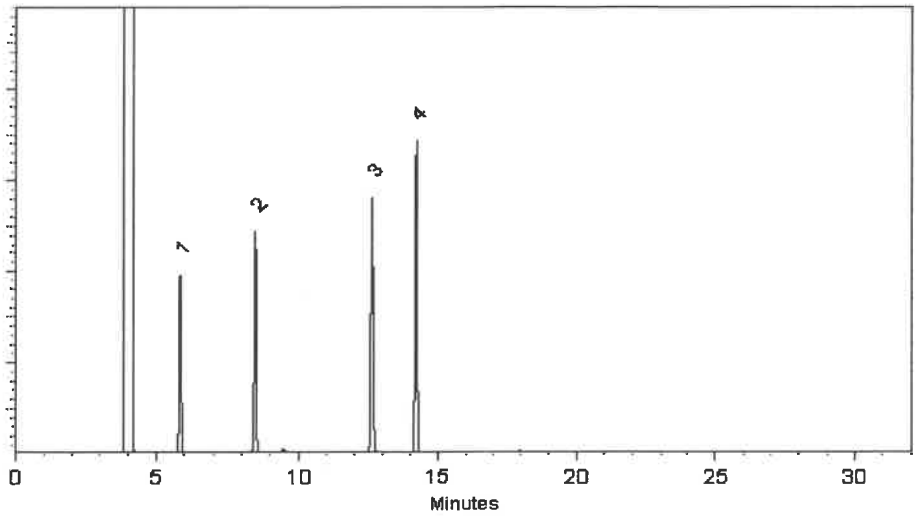
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

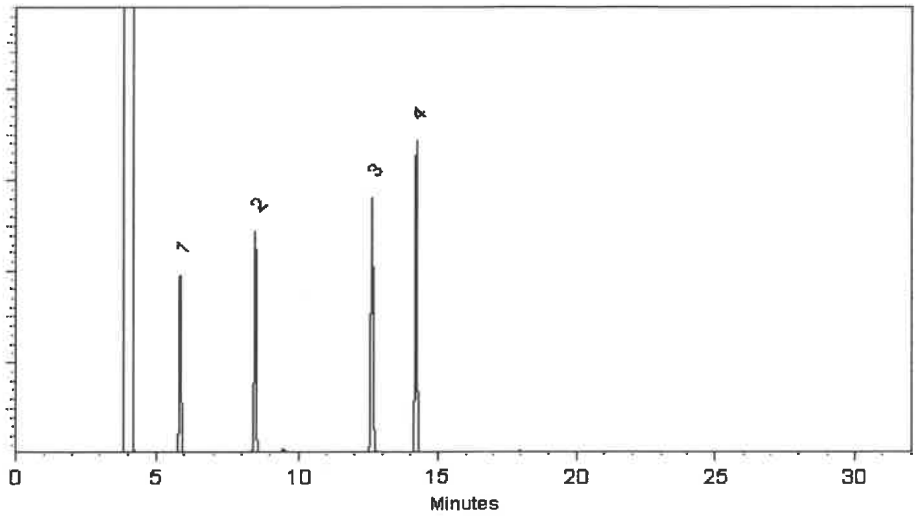
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

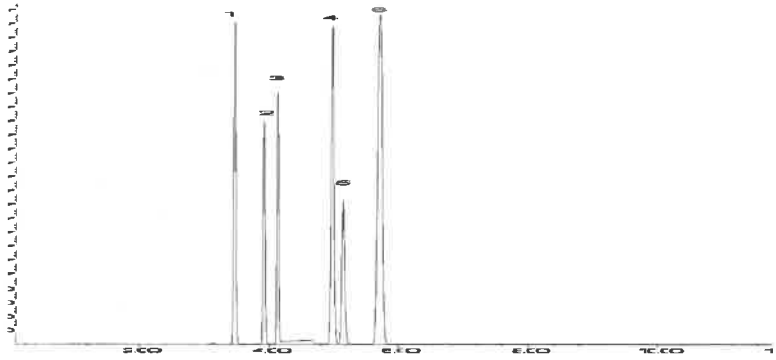
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

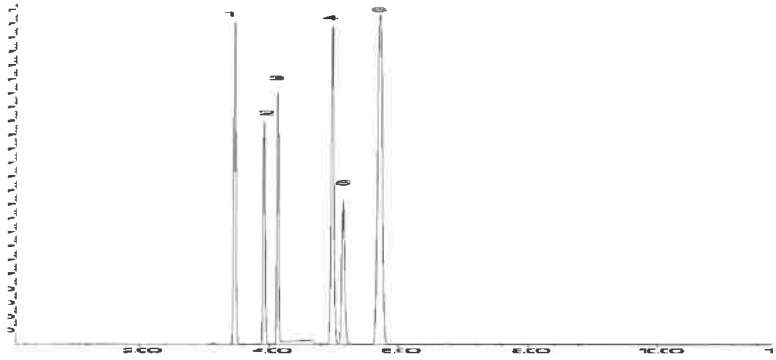
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

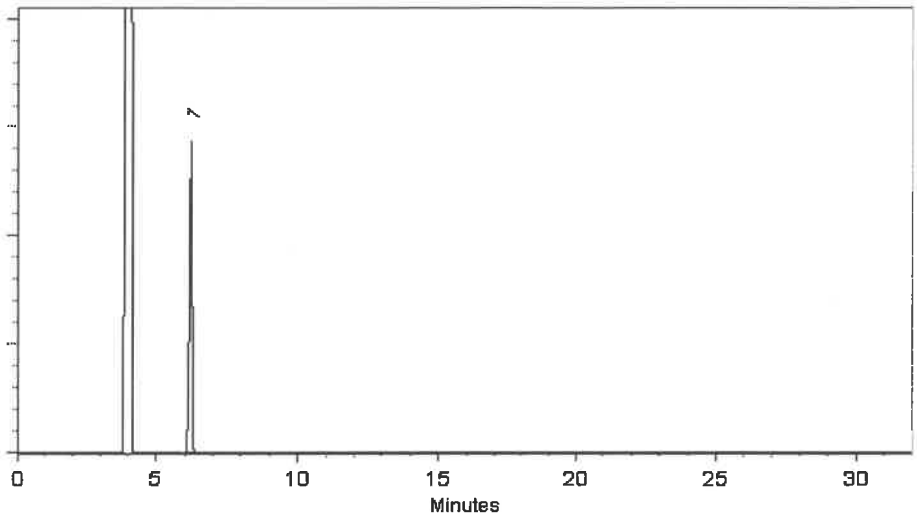
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

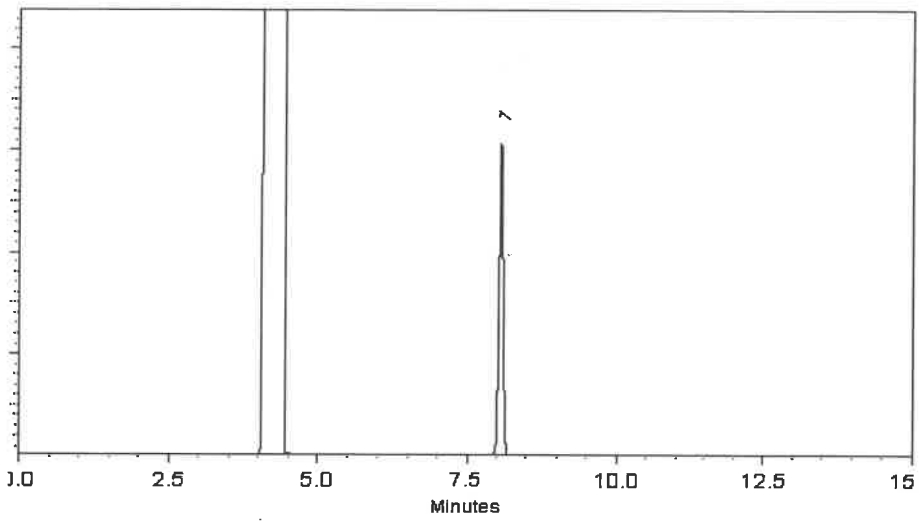
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

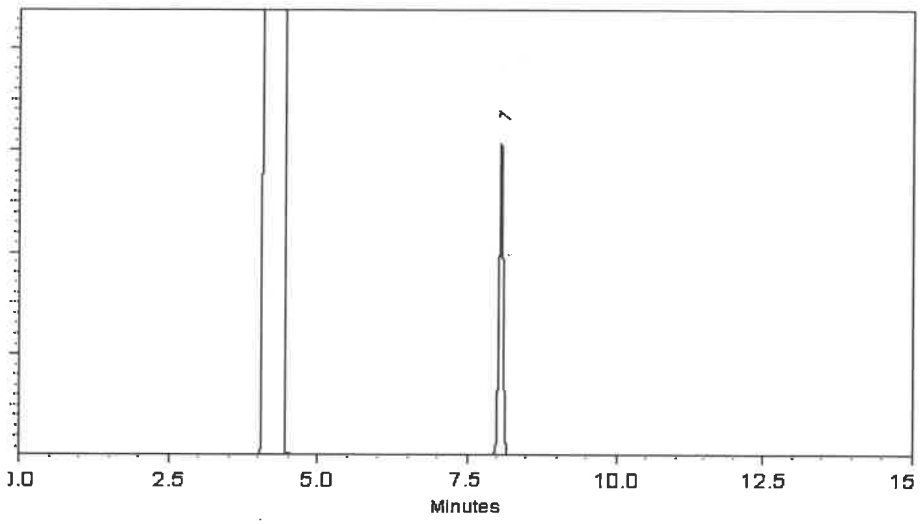
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

Q1539

Weston COC ID
Weston_20250310_1451

Chain of Custody Record/Lab Work Request

Page 1 of 1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	**Project POC:**	Nathan Fretz
PO Number	0111169	**Phone:**	484-524-5665
W.O. #:		**POC e-mail:**	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	**Lab POC:**	Jordan Hedvat
TAT (days):	21	**Lab Phone:**	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1664A	Hardness by EPA 200.7 & SM2340B	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA 7196A	Ammonia by SM4500-NH3 B P	Metals w Hg by EPA 6020B/7470A	Special Instructions/Comments
	Container Type:							Amber	Amber	Amber	Glass	Plastic	Plastic	Vial	Vial	Vial	Plastic	Plastic	Plastic	
	Container Size:							1 L	1 L	1 L	1 L	1 L	1 L	40 mL	40 mL	40 mL	500 mL	500 mL	500 mL	
	Preservative:							Ice to 0-6 deg C	Ice to 0-6 deg C	Ice to 0-6 deg	H2SO4 to < 2	HNO3 to pH	Ice to 0-6	H2SO4 to < 2	HCL to PH < 2	HCL to Ph < 2	Ammonium	H2SO4; Ice to 0-6	HNO3 to pH <	
1	TAPIAL3-MW03D-031025-00-T1	g	GW	19	no	3/10/2025	11:50	X	X	X	X	X	X	X	X	X	X	X	X	pH 1.9
2	TAPFTA-MW01I-031025-00-T2	g	GW	19	no	3/10/2025	15:10	X	X	X	X	X	X	X	X	X	X	X	X	pH 1.9
3	TAP-TB-03-~~031025-T1~~ 031025	g	W	2	no	3/10/2025	11:50									X				
4	TAP-TB-04-031025-T2	g	W	2	no	3/10/25	16:55									X				Air in VOAs
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number: 7726 1351 3156

Cooler Number: 1 of 2

	Relinquished By	Date	Time	Received By	Date	Time
1.)	[signature]	3/10/25	1700	FedEx		
2.)				[signature]	3-11-25	9:56
3.)						

Additional Comments

QSM 6.0 Compliant

Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD

3.1°C IR-Gun #1

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1539 WEST04
Client Name : Weston Solutions
Client Contact : Nathan Fretz
Invoice Name : Weston Solutions
Invoice Contact : Nathan Fretz

Order Date : 3/11/2025 10:36:00 AM
Project Name : Ft Meade Tipton Airfield Pa
Receive DateTime : 3/11/2025 9:56:00 AM
Purchase Order :

Project Mgr : YAZMEEN
Report Type : Level 4
EDD Type : SEDD 2A
Hard Copy Date :
Date Signoff : 3/11/2025 11:38:51 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1539-01	TAPIAL3-MW03D-031025-00-T1	Water	03/10/2025	11:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-02	TAPFTA-MW01I-031025-00-T2	Water	03/10/2025	15:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-03	TAP-TB-03-031025	Water	03/10/2025	11:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-04	TAP-TB-04-031025-T2	Water	03/10/2025	16:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 3/12/25

Received By :
Date / Time : 3/12/25
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	2512	1.537	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	3.080%#			
35) Dibromofluoromethane	5.391	113	1752	1.389	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.780%#			
50) Toluene-d8	8.653	98	5691	1.244	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.480%#			
62) 4-Bromofluorobenzene	11.085	95	1685	1.112	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.220%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l		90
3) Chloromethane	1.301	50	1552	0.975	ug/l		91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l	#	85
5) Bromomethane	1.593	94	824	1.335	ug/l		99
6) Chloroethane	1.673	64	1228	1.591	ug/l	#	74
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l		97
8) Diethyl Ether	2.130	74	835	1.045	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l		87
10) Methyl Iodide	2.447	142	1156	0.775	ug/l	#	96
11) Tert butyl alcohol	2.941	59	5356	17.299	ug/l	#	73
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l		92
13) Acrolein	2.239	56	1756	4.906	ug/l		98
14) Allyl chloride	2.660	41	2343	1.055	ug/l		93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l		99
16) Acetone	2.380	43	4259	5.635	ug/l		100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l	#	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l		91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l		98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l		91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l	#	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l		97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l	#	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l		96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l	#	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l	#	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l	#	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l	#	34
30) Chloroform	5.093	83	2478	0.978	ug/l		92
31) Cyclohexane	5.465	56	1875	0.843	ug/l		90
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l	#	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l	#	84
37) Ethyl Acetate	4.739	43	1582	0.703	ug/l	#	70
38) Carbon Tetrachloride	5.660	117	588	0.332	ug/l	#	81
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l		88
40) Benzene	6.031	78	4984	0.907	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.958	41	912	0.748	ug/l	#	80
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82
46) Dibromomethane	7.586	93	891	0.897	ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l	#	85
48) Methyl methacrylate	7.714	41	1125	0.699	ug/l	#	61
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l		95
52) Toluene	8.720	92	2700	0.841	ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l		97
69) o-Xylene	10.640	106	1949	0.891	ug/l		95
70) Styrene	10.665	104	2810	0.802	ug/l		97
71) Bromoform	10.799	173	667	0.768	ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1878	1.246	ug/l		86
77) Bromobenzene	11.201	156	1166	0.972	ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l		94
81) trans-1,4-Dichloro-2-b...	11.031	75	285	0.646	ug/l	#	81
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l		96
88) 1,4-Dichlorobenzene	11.976	146	1948	0.900	ug/l		97
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l		93
90) Hexachloroethane	12.536	117	609	0.805	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l		94
95) Naphthalene	13.780	128	3337	0.707	ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

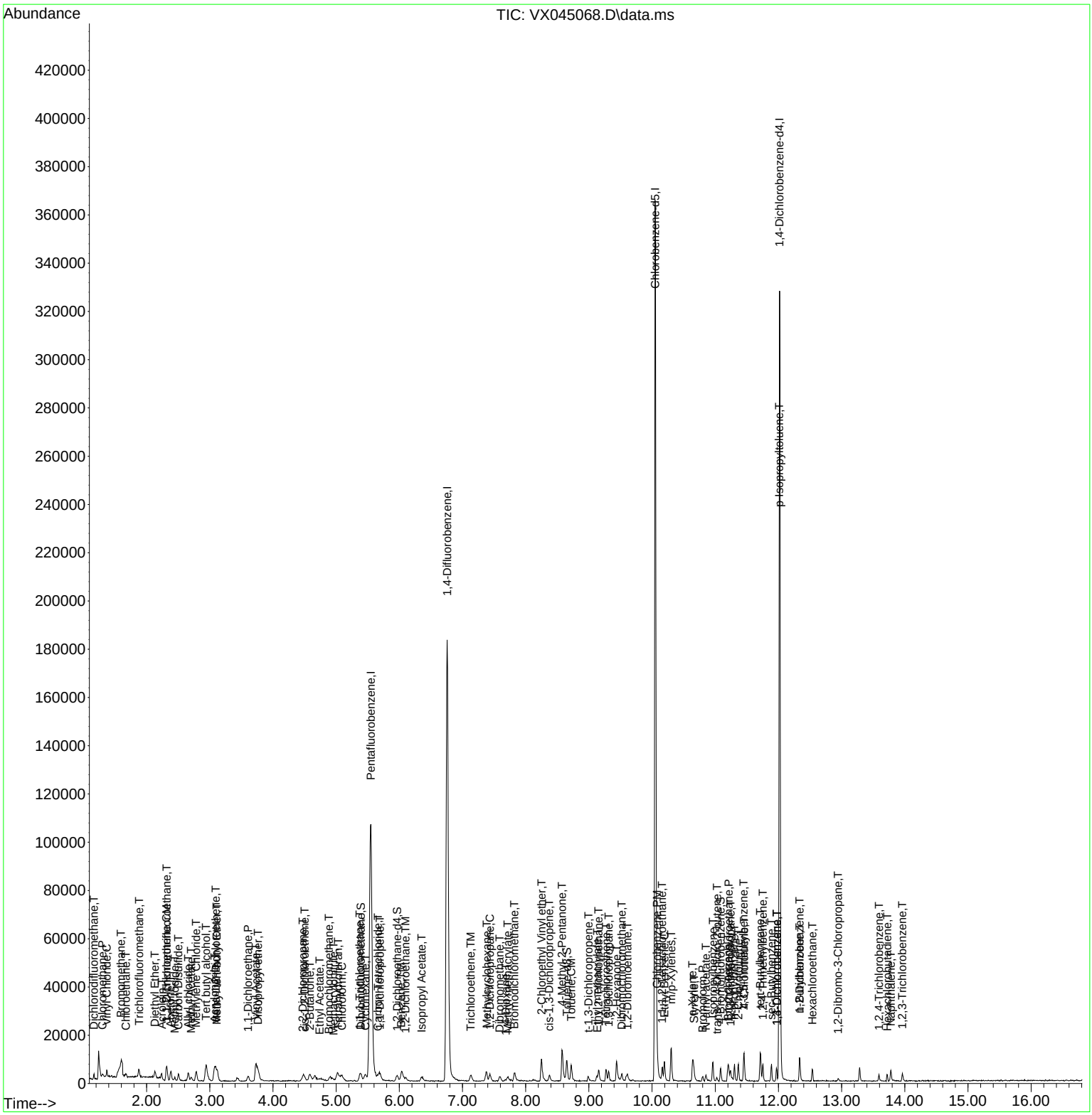
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

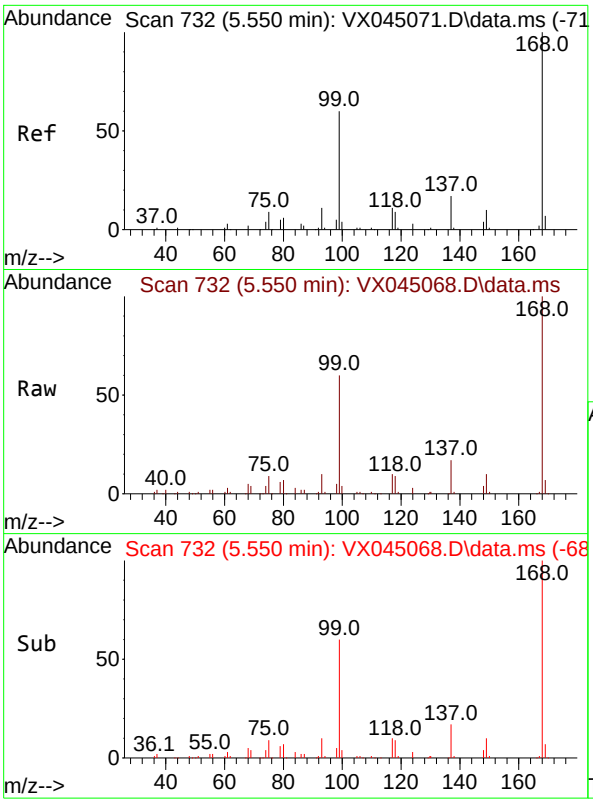
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration



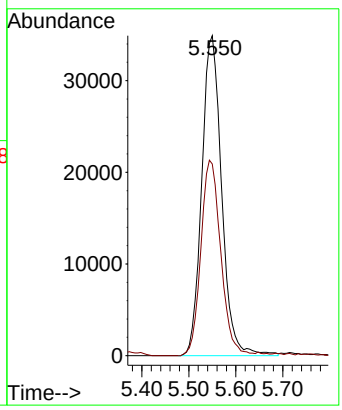


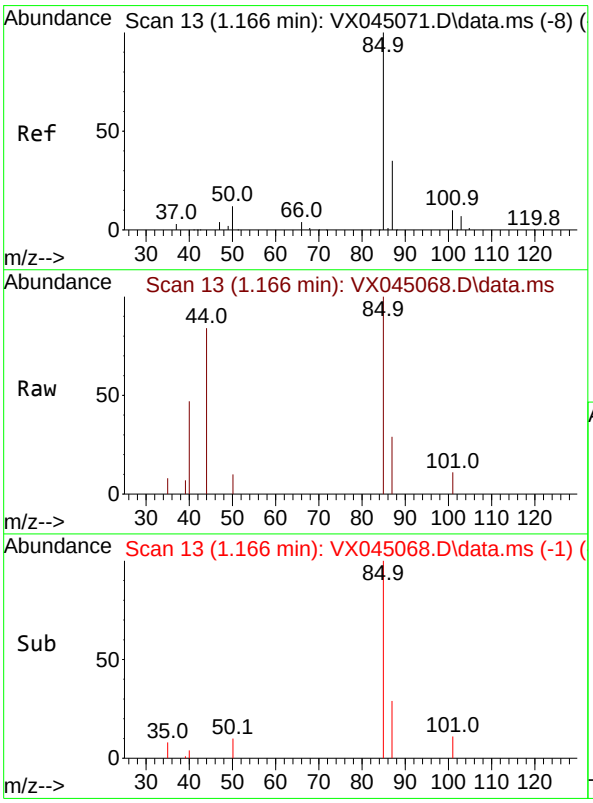
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 102761

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4

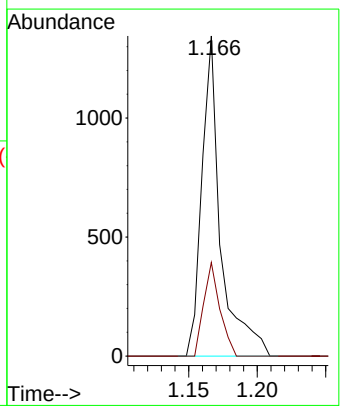


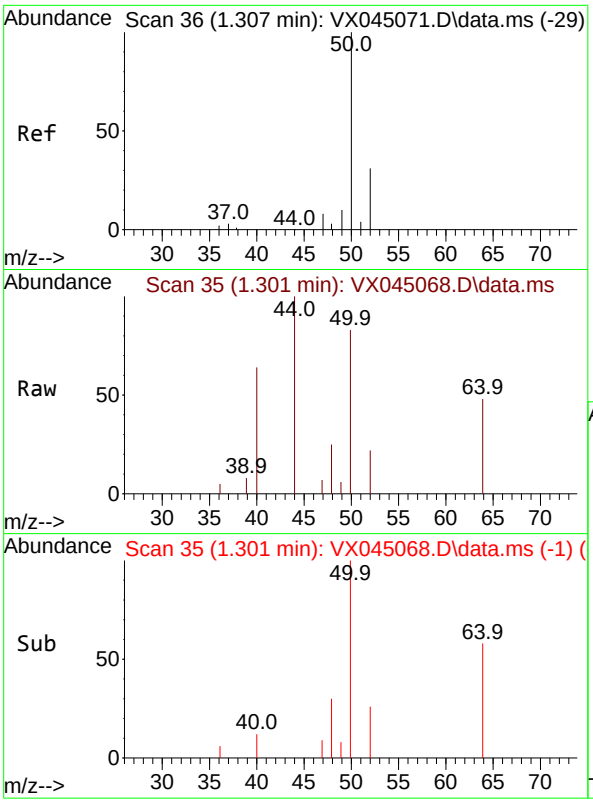


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3



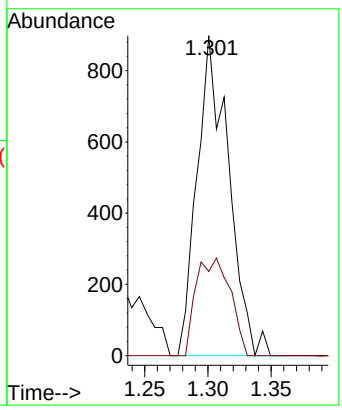


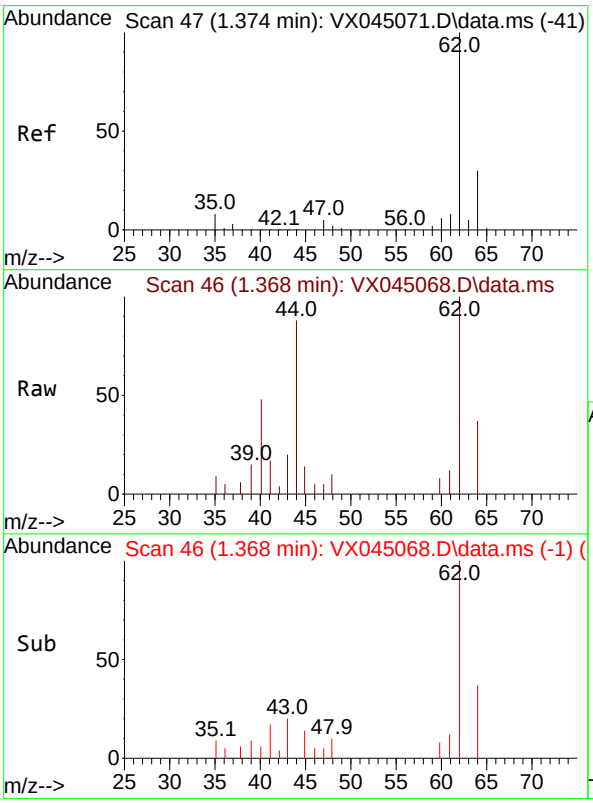
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1552

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4

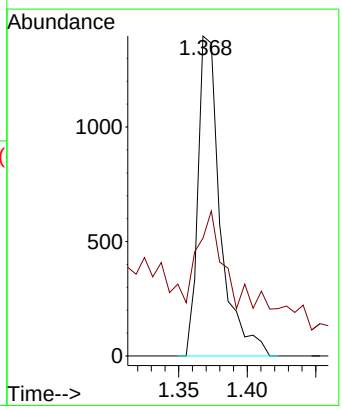


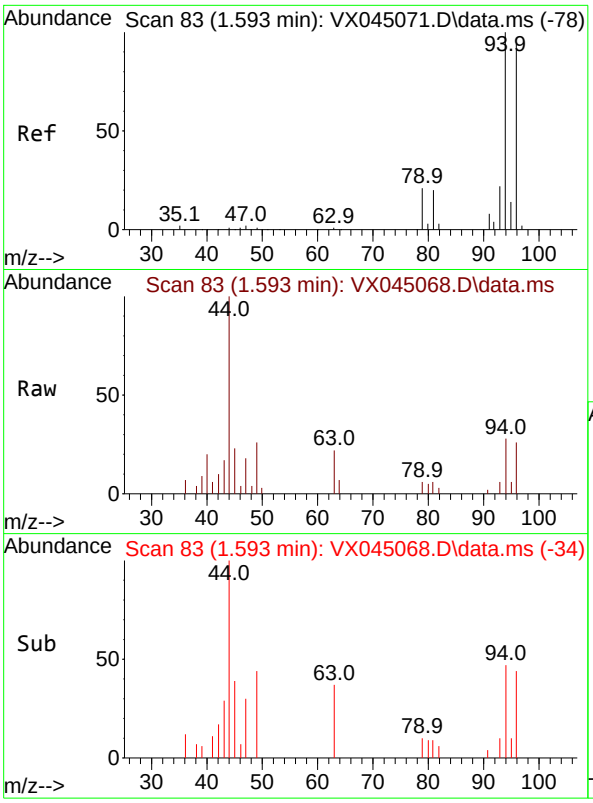


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#



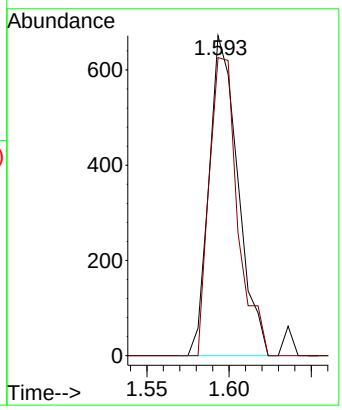


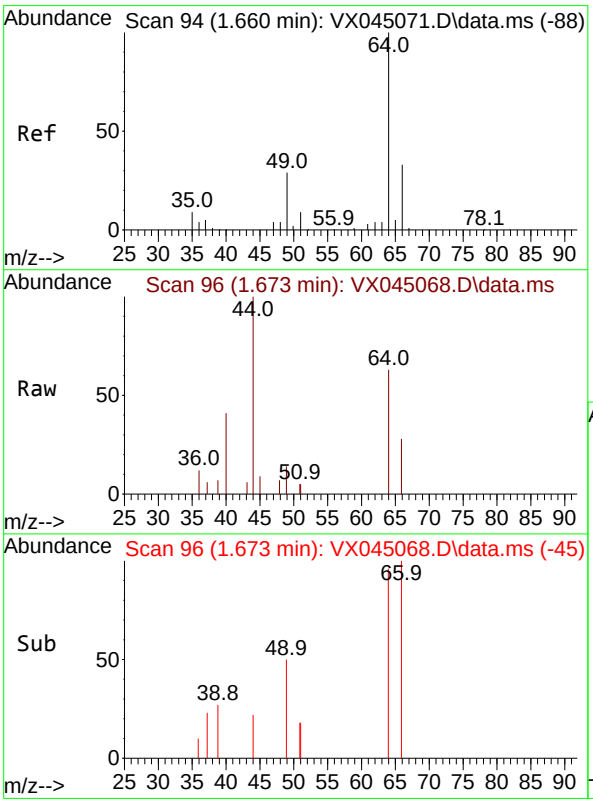
#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 824

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.0	112.4

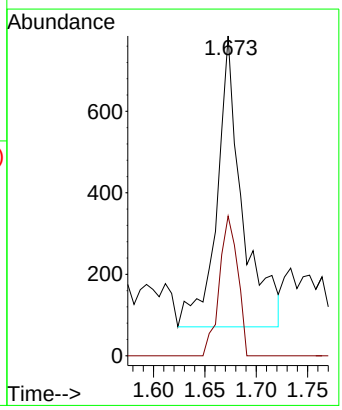


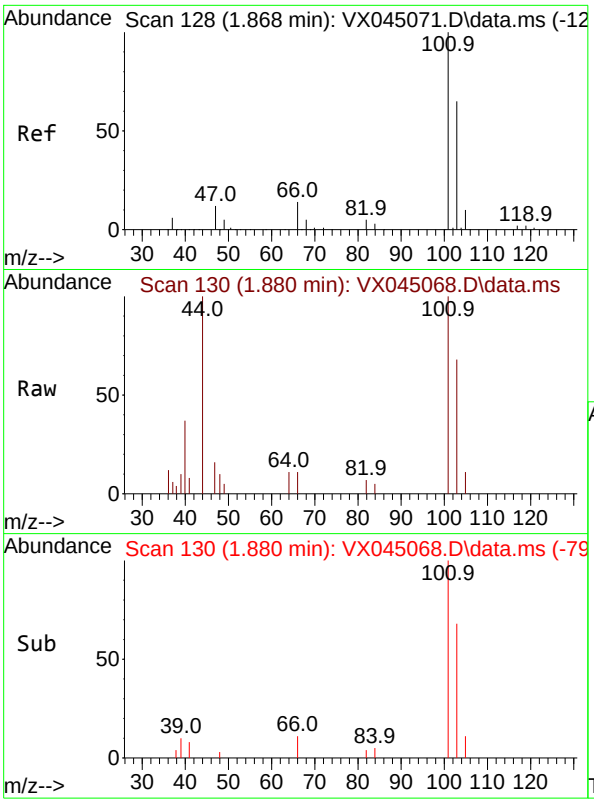


#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228

Ion	Ratio	Lower	Upper
64	100		
66	48.0	26.7	40.1#



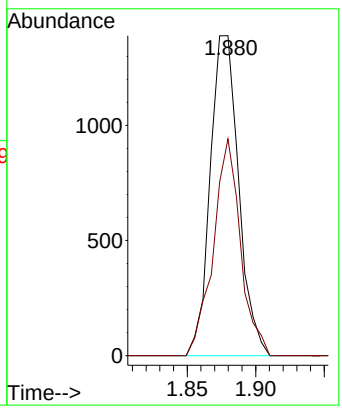


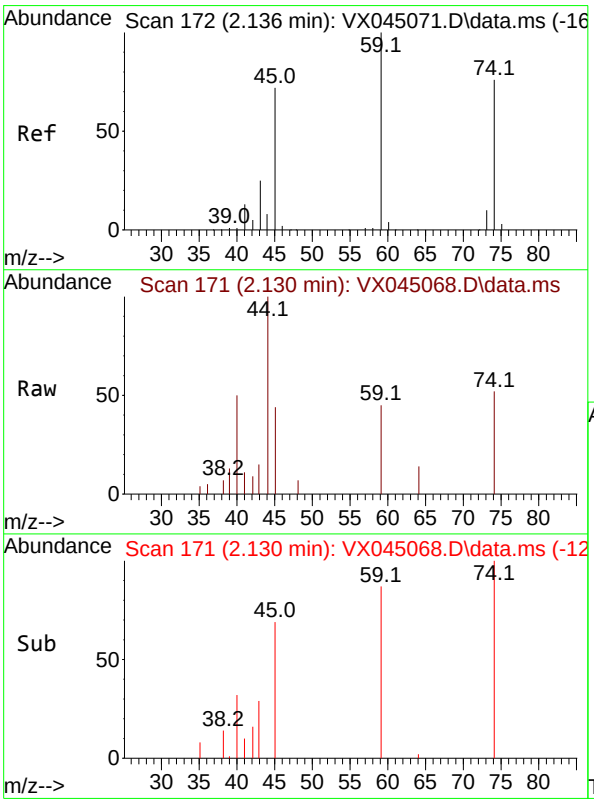
#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

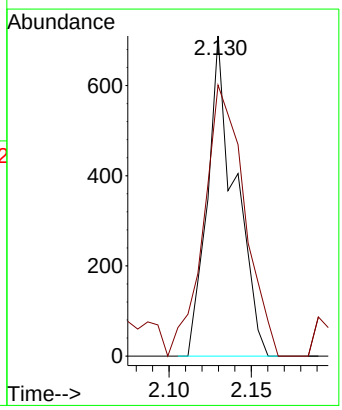


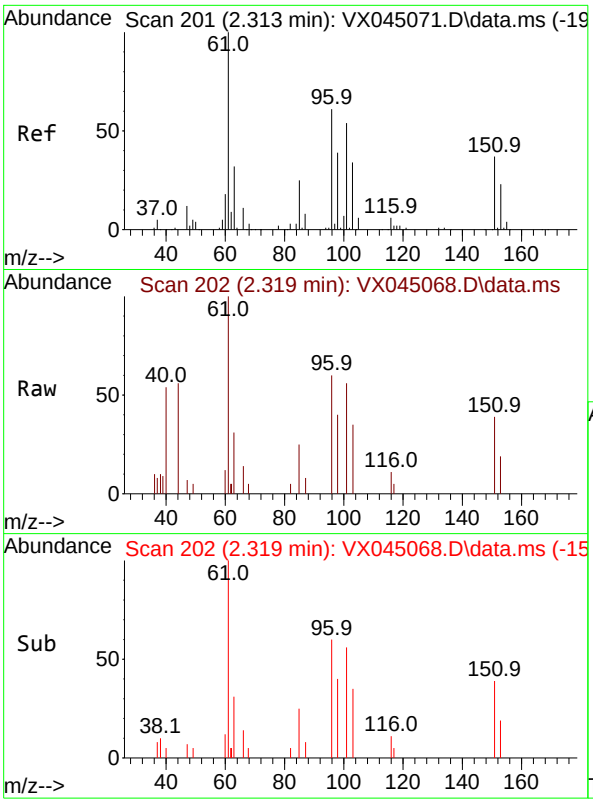


#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



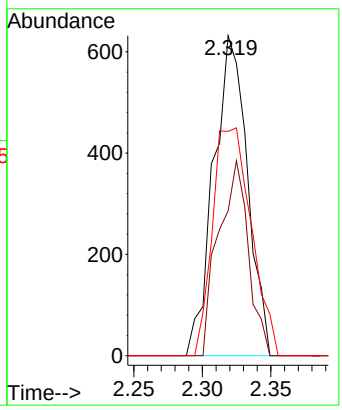


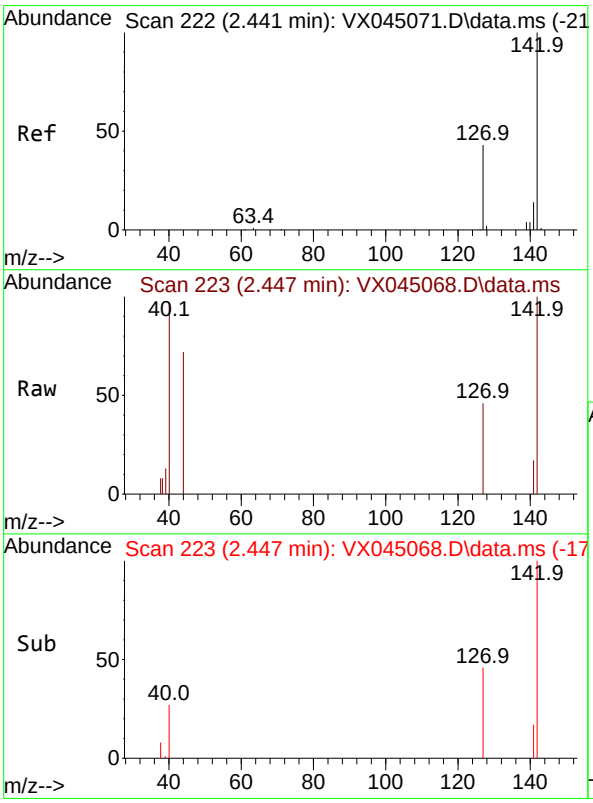
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

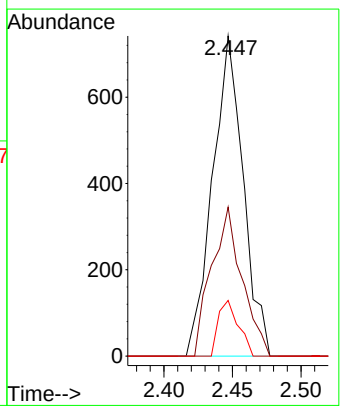


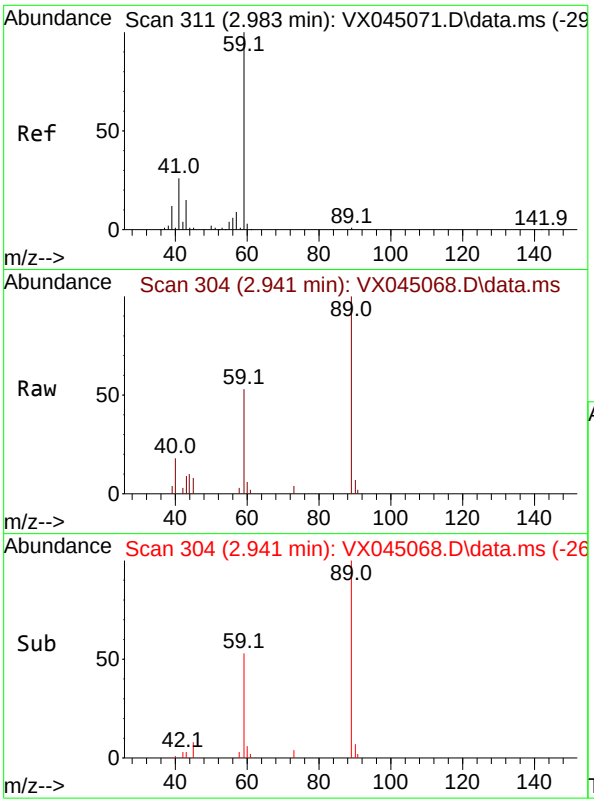


#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:142 Resp: 1156

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	11.3	11.6	17.4#



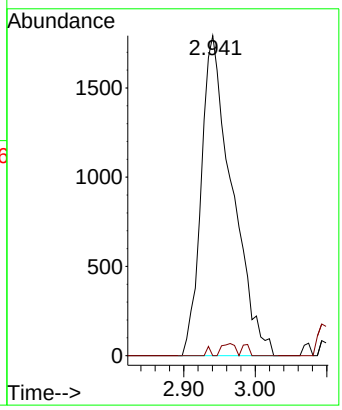


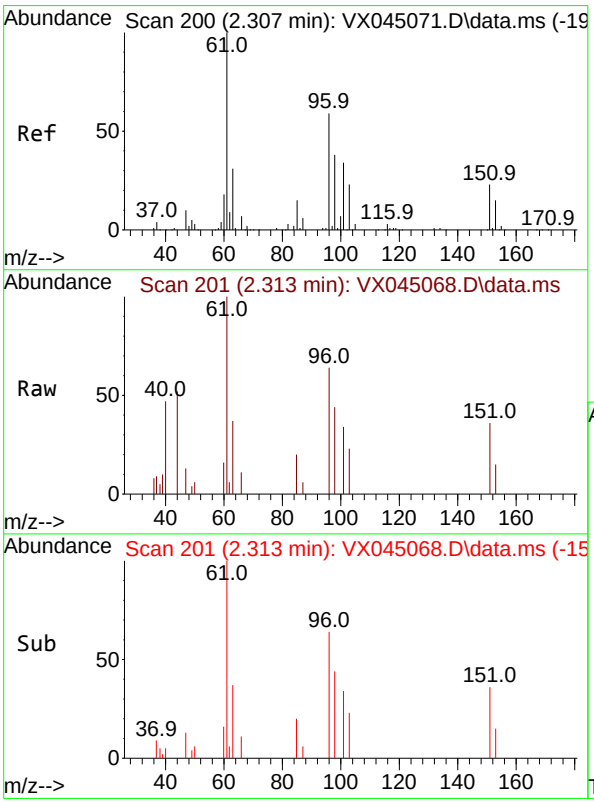
#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 5356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

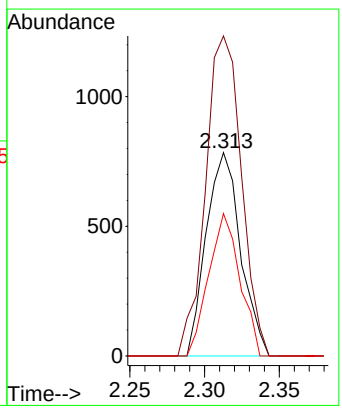


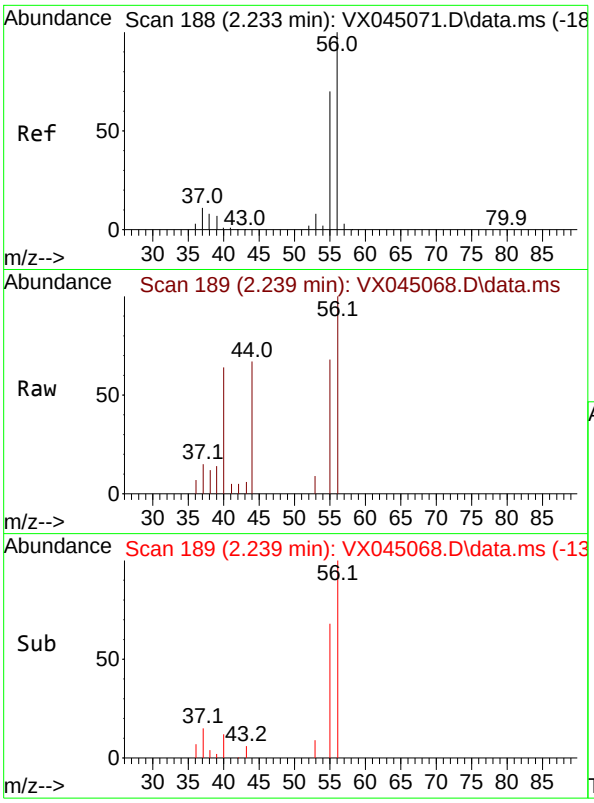


#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 1251

Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



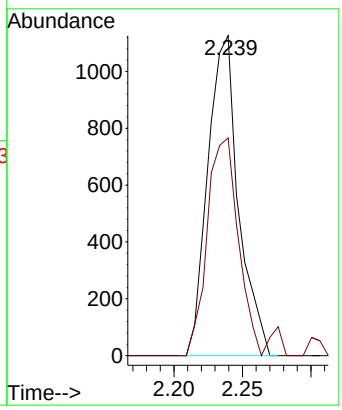


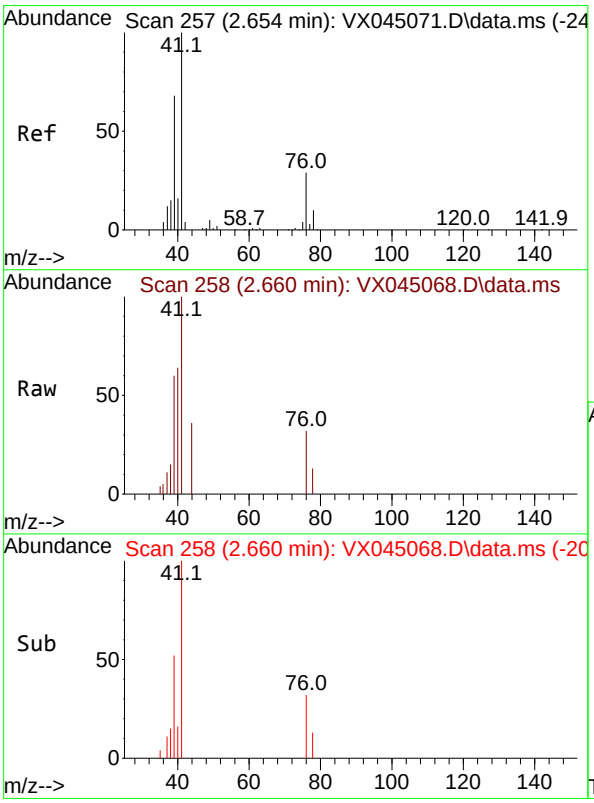
#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1756

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

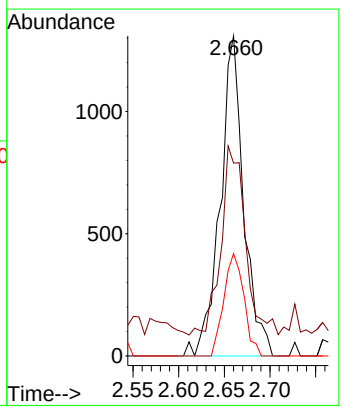


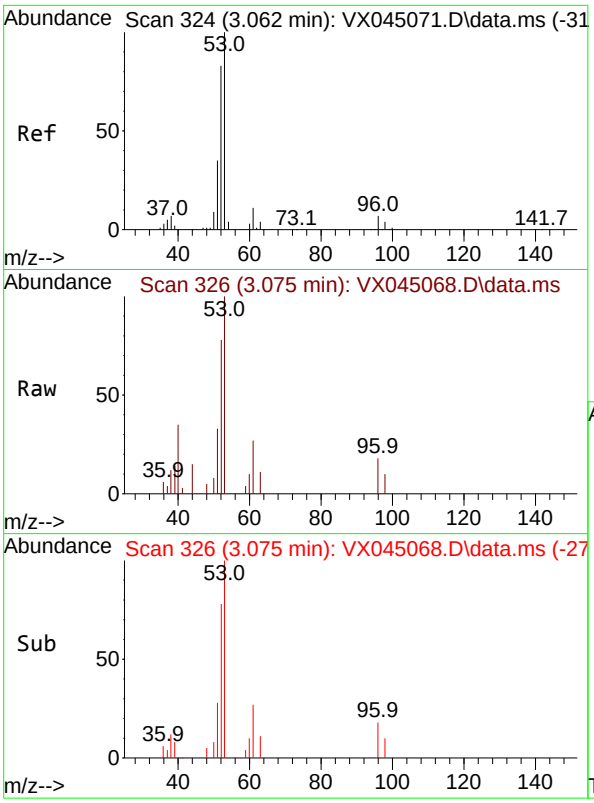


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8



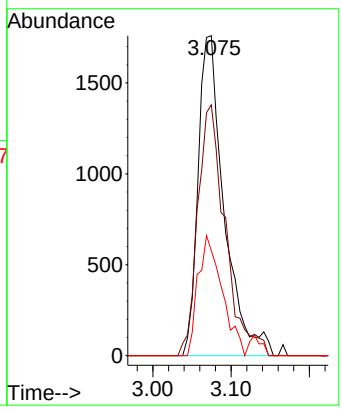


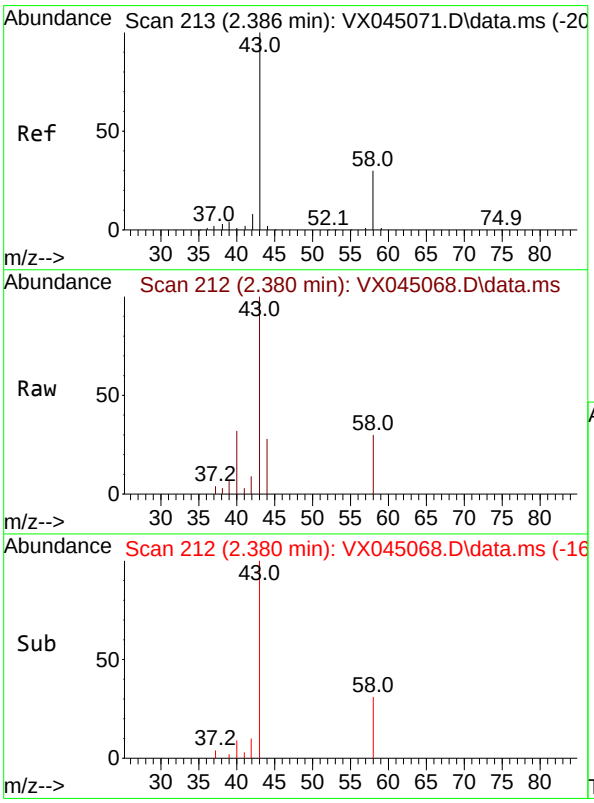
#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4067

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4

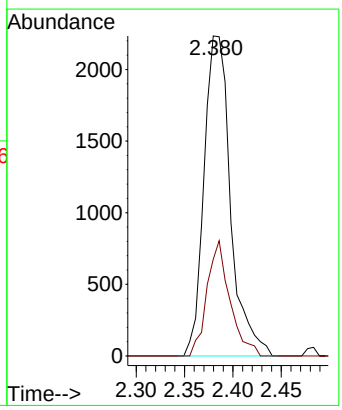


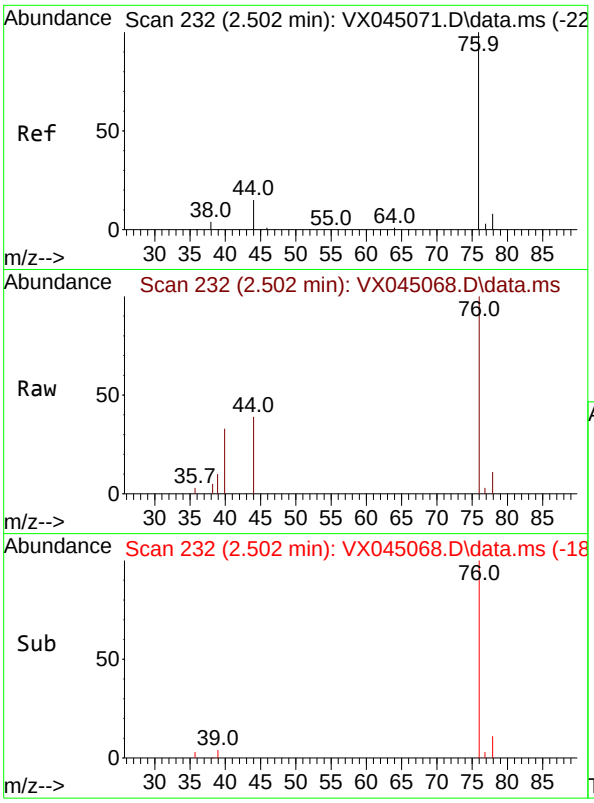


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



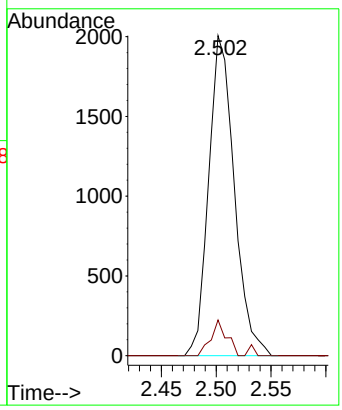


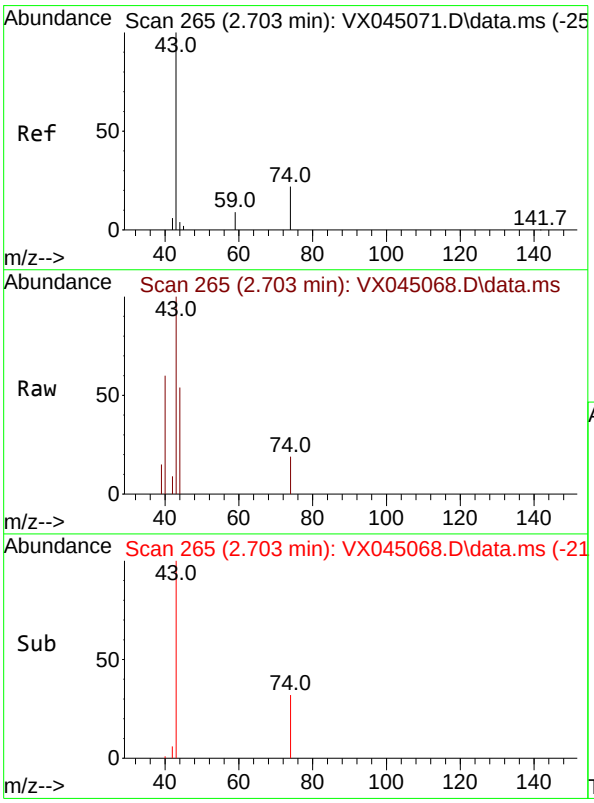
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3256

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8#

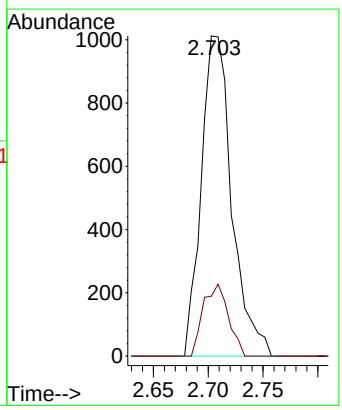


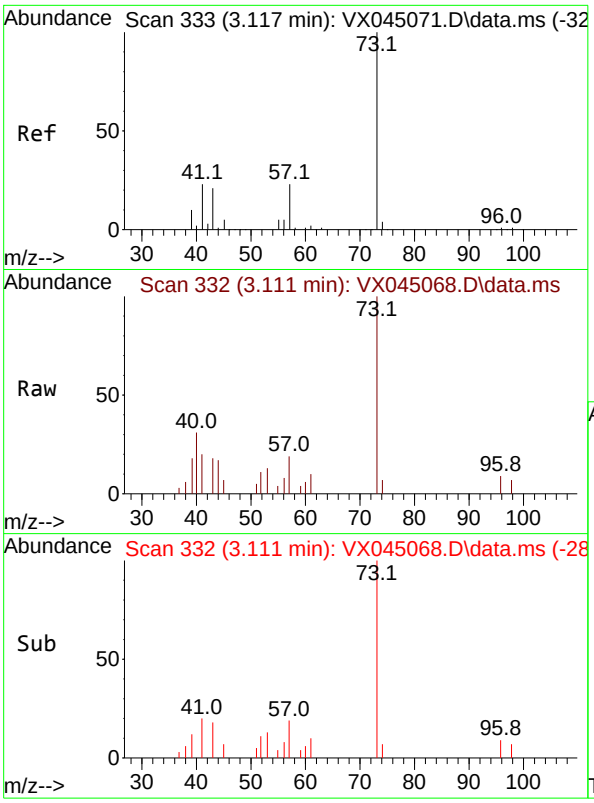


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2



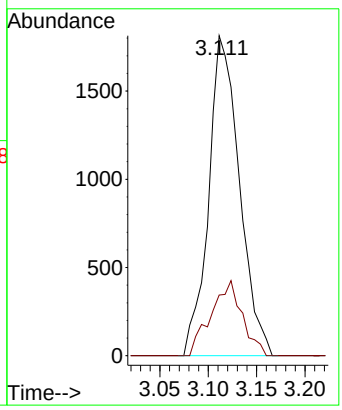


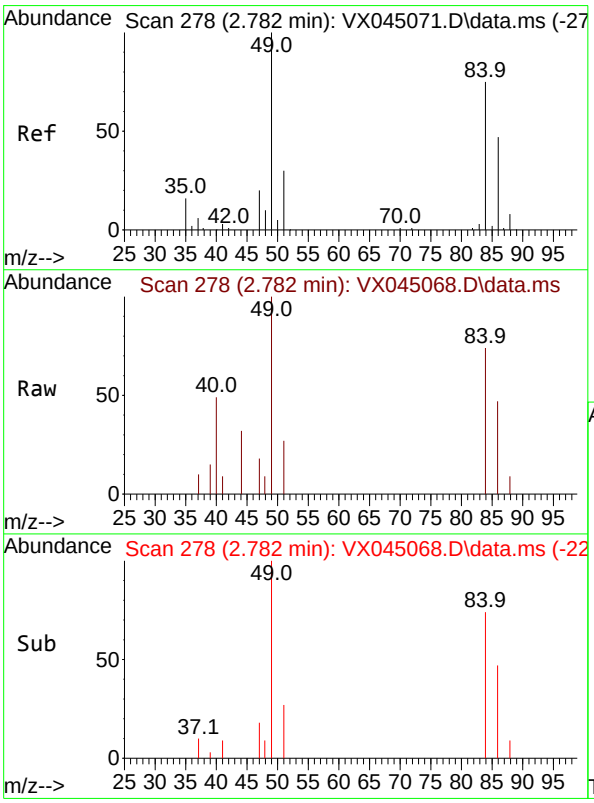
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4017

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

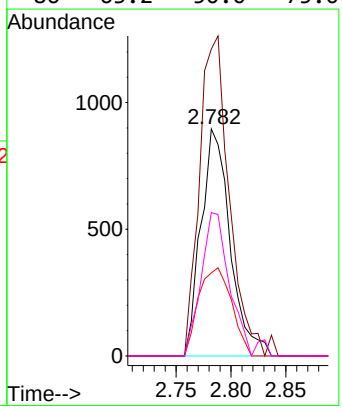


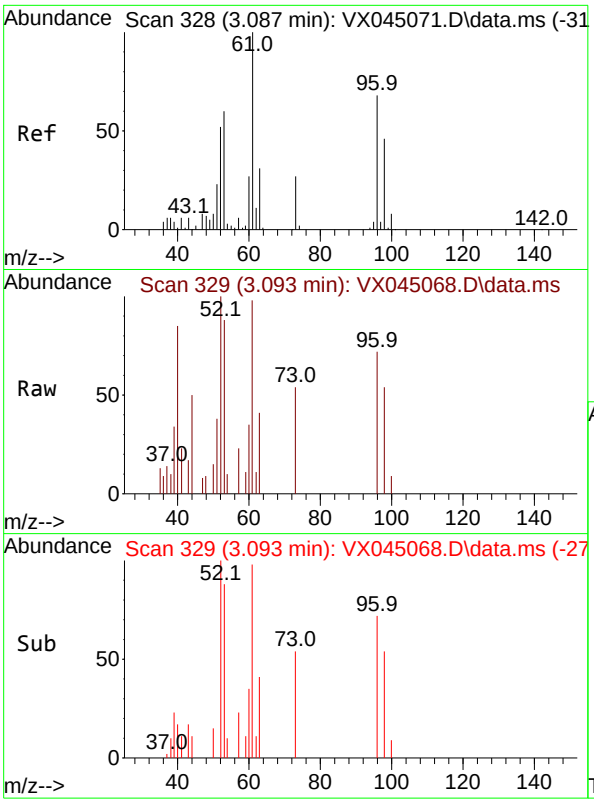


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0



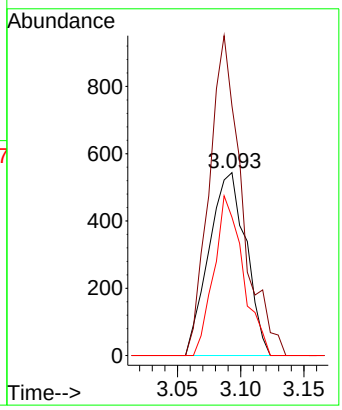


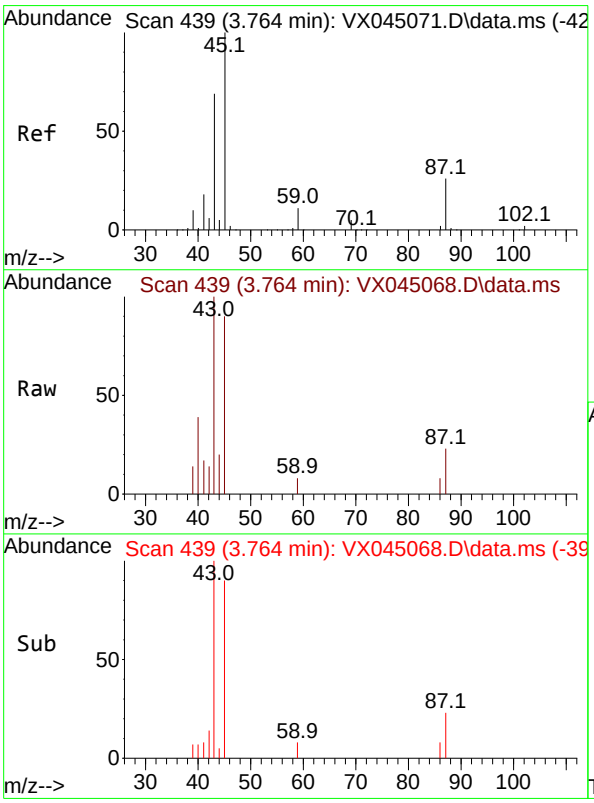
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1109

Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2

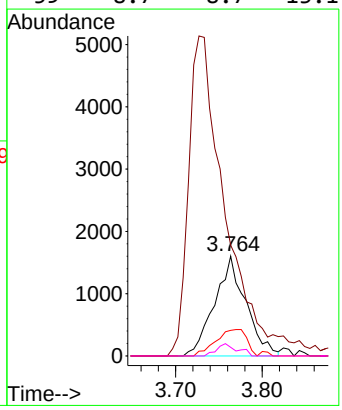


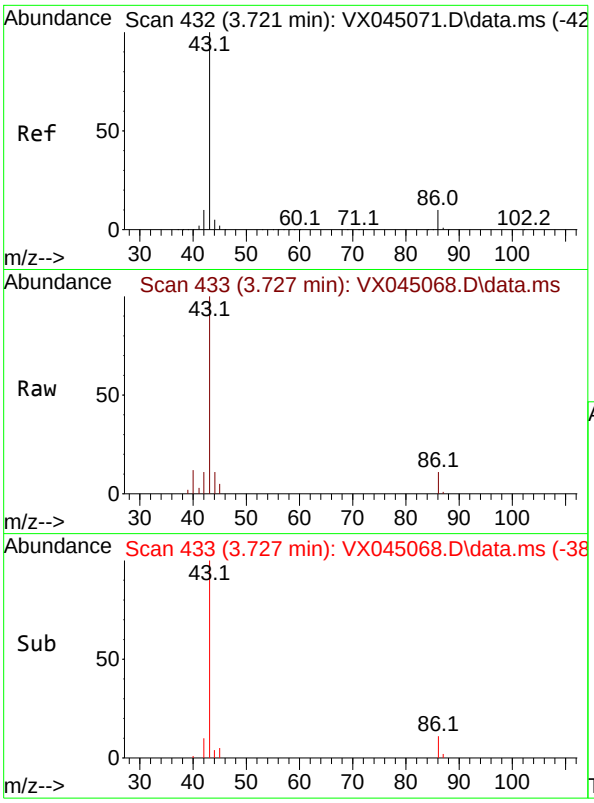


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1



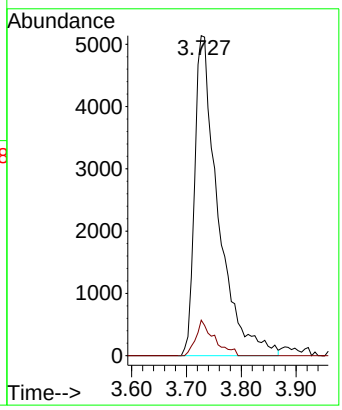


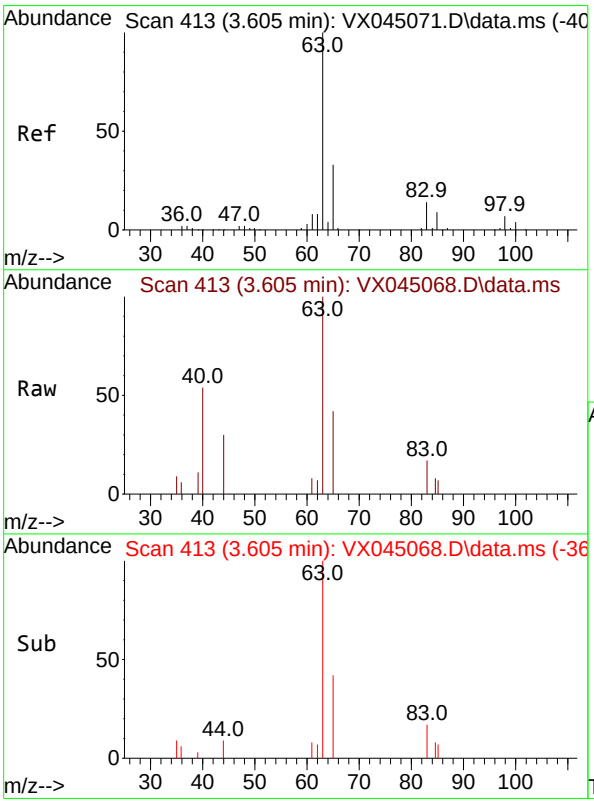
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

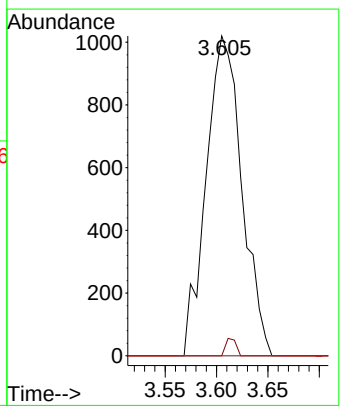


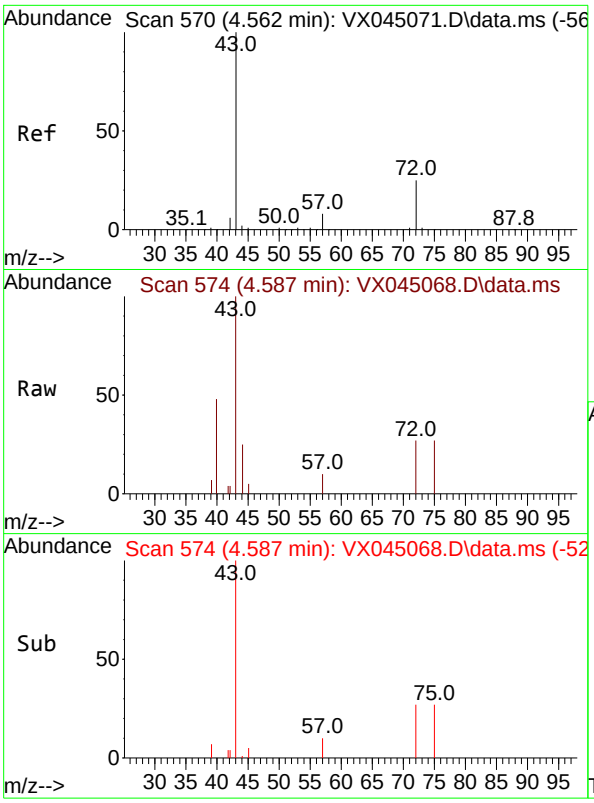


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

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



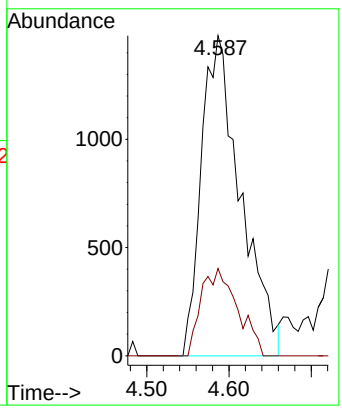


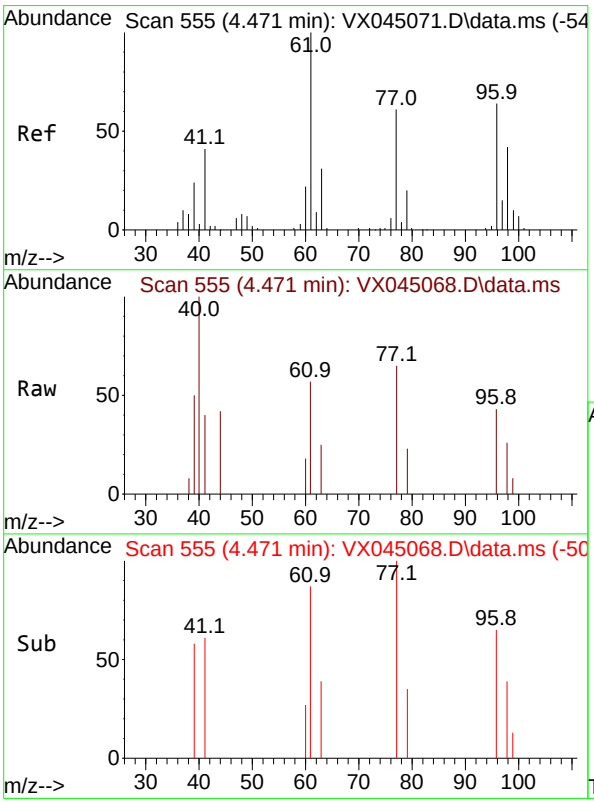
#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

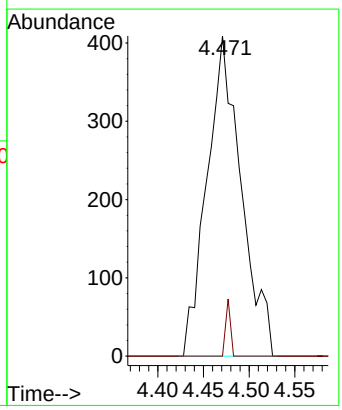


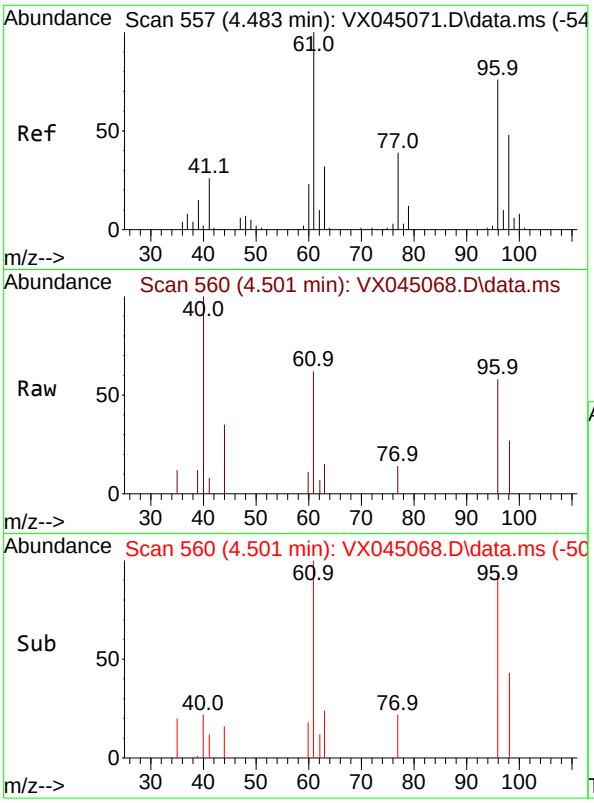


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#



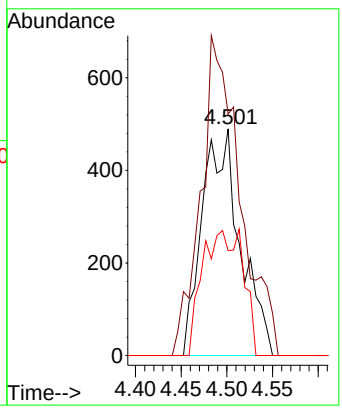


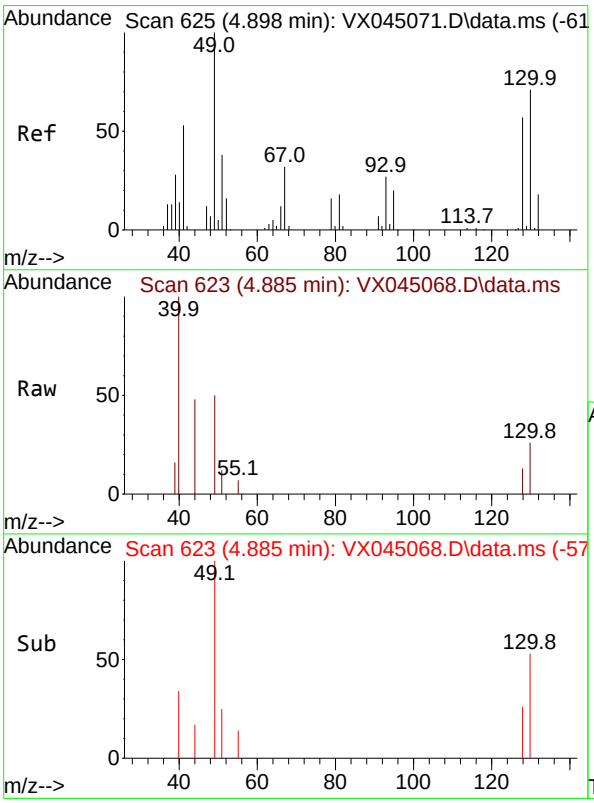
#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1412

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0

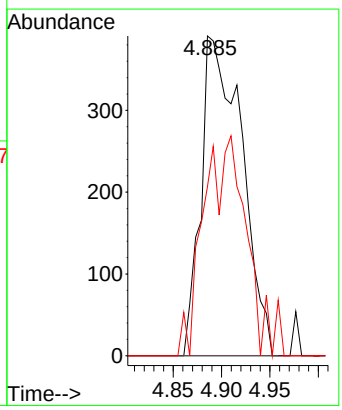


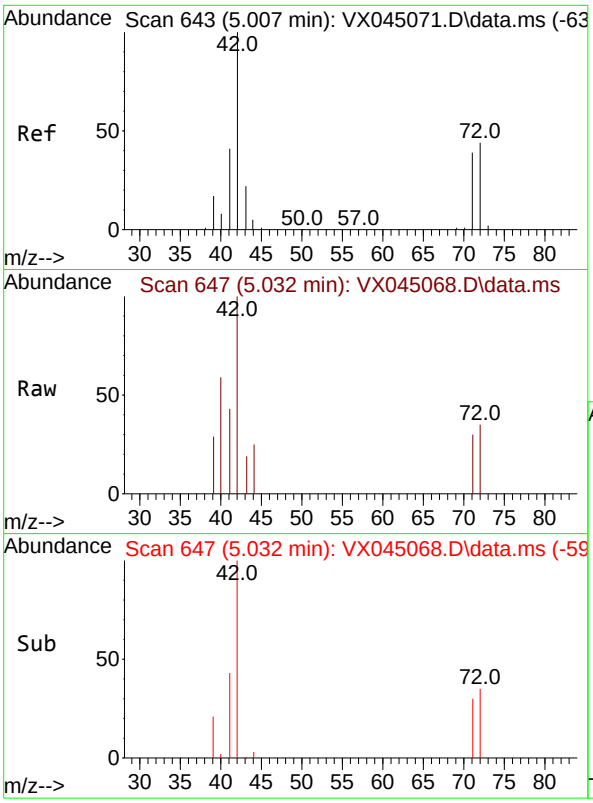


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#



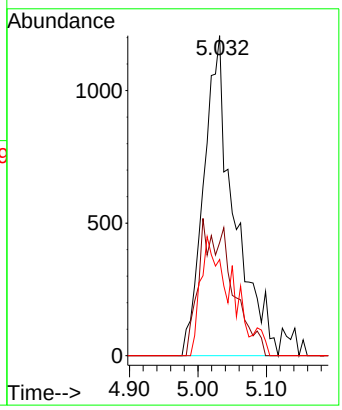


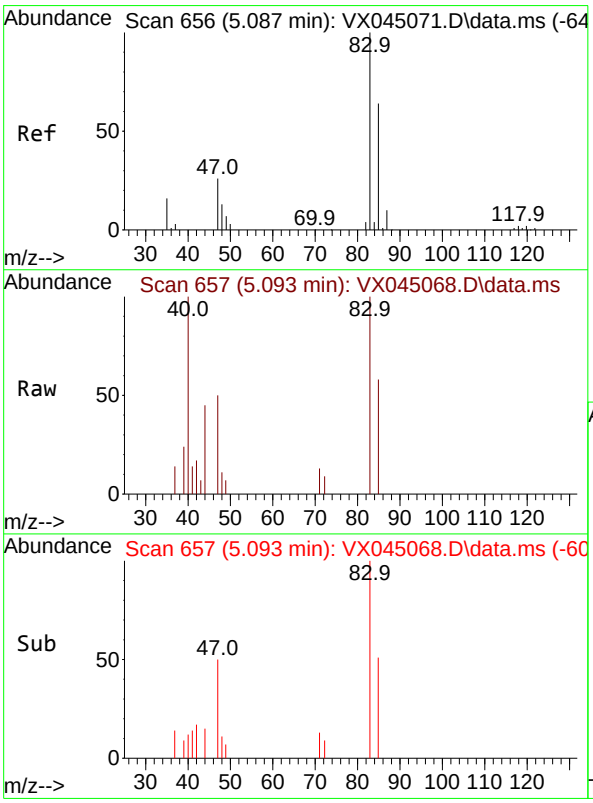
#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3719

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

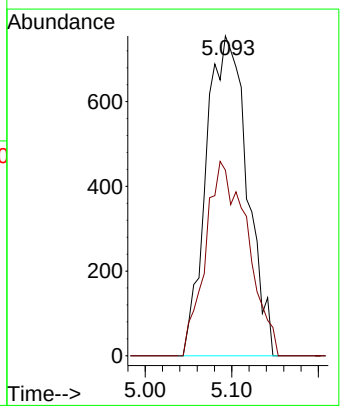


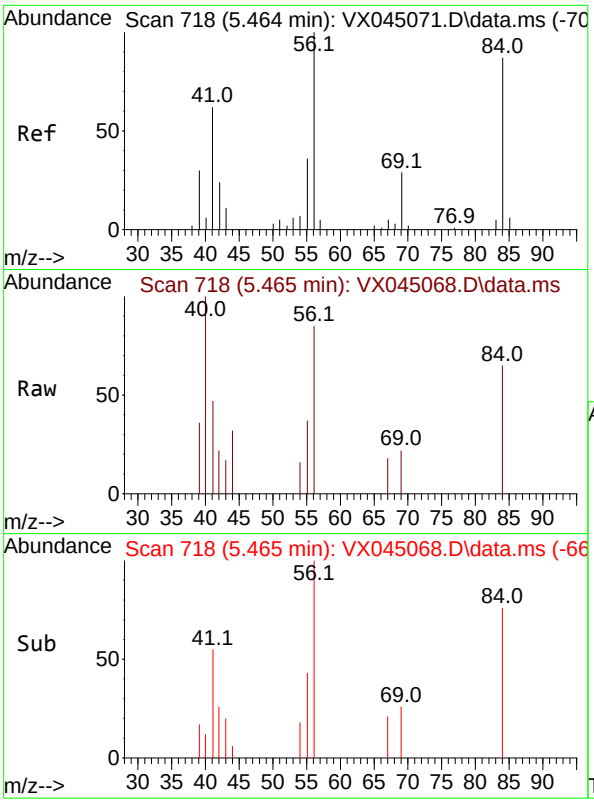


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2



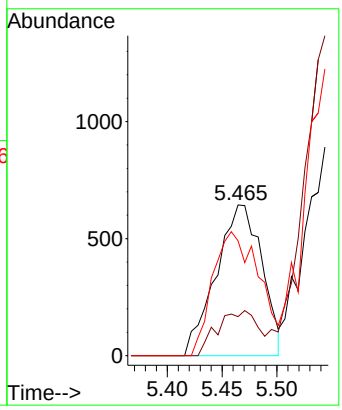


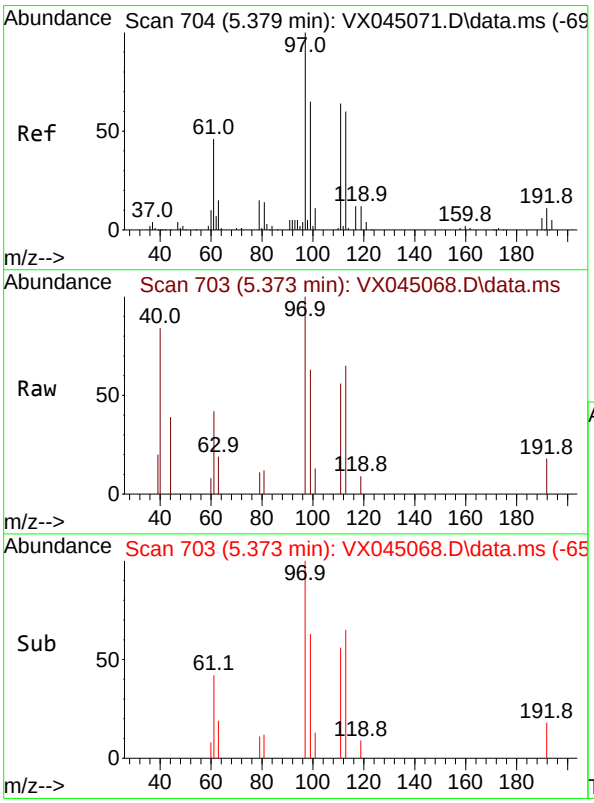
#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1875

Ion	Ratio	Lower	Upper
56	100		
69	25.9	23.4	35.2
84	76.2	69.4	104.2

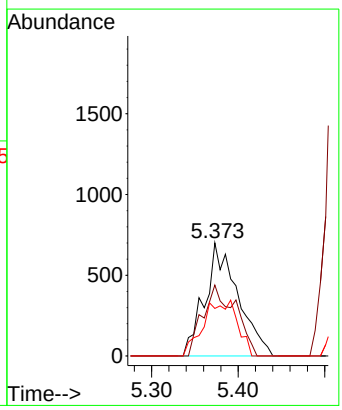


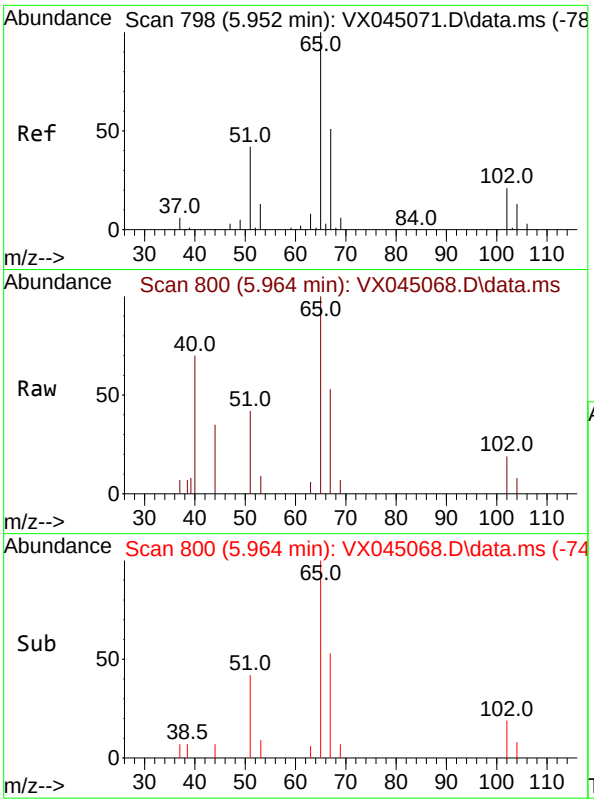


#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1867

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6



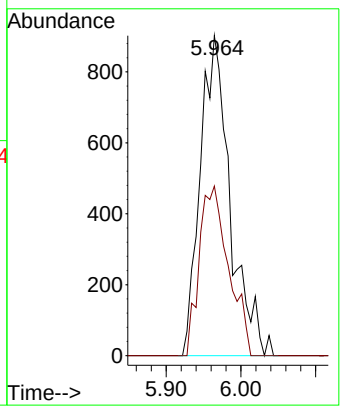


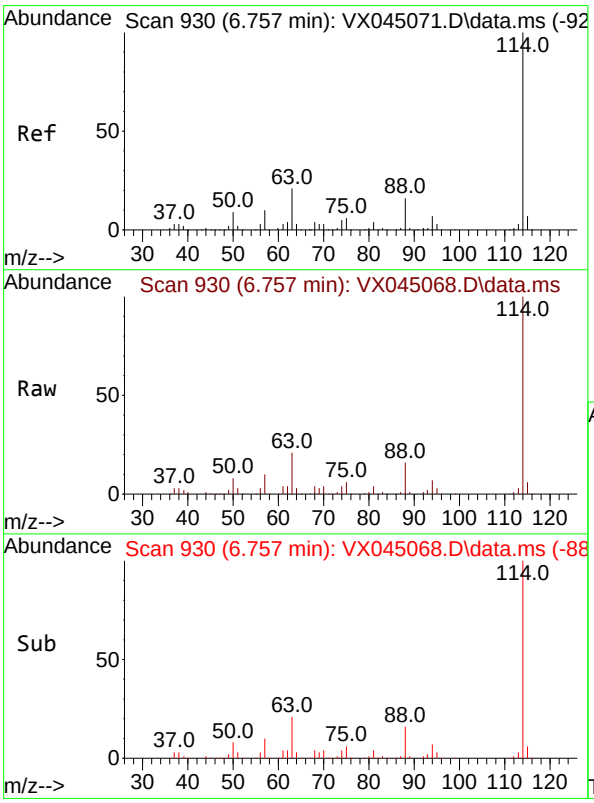
#33
1,2-Dichloroethane-d4
Concen: 1.537 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

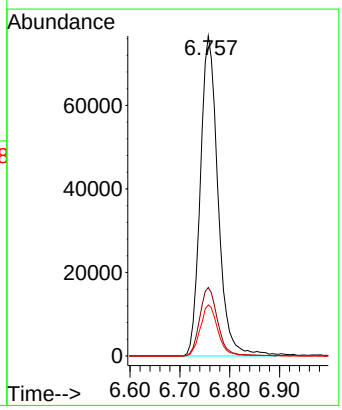


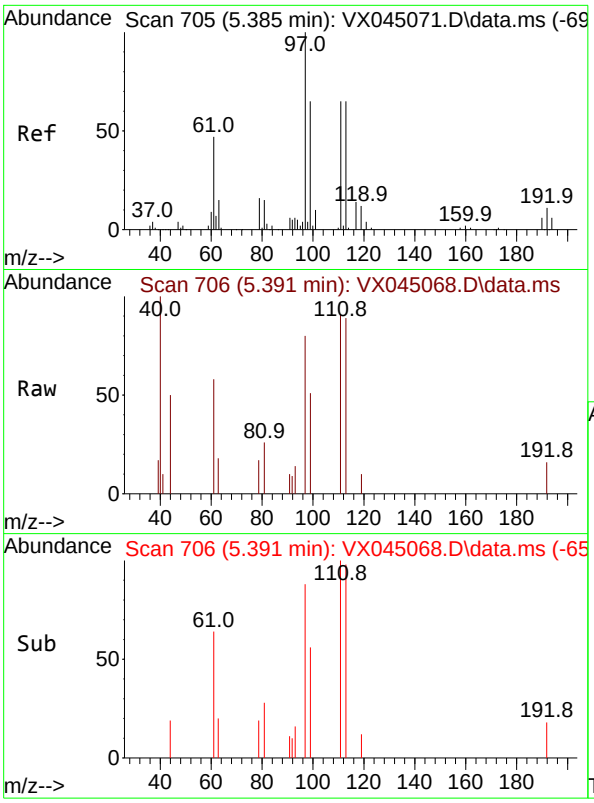


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 188642

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



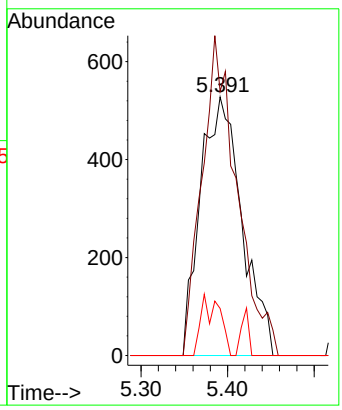


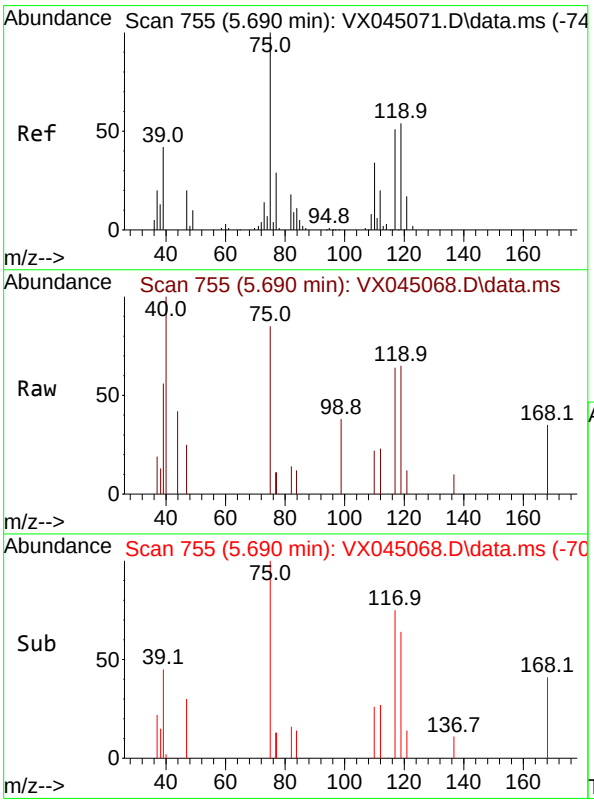
#35
Dibromofluoromethane
Concen: 1.389 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1752

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.6
192	5.1	14.3	21.5#

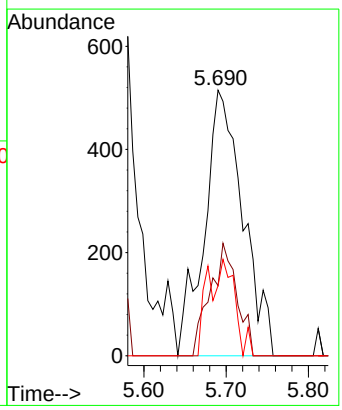


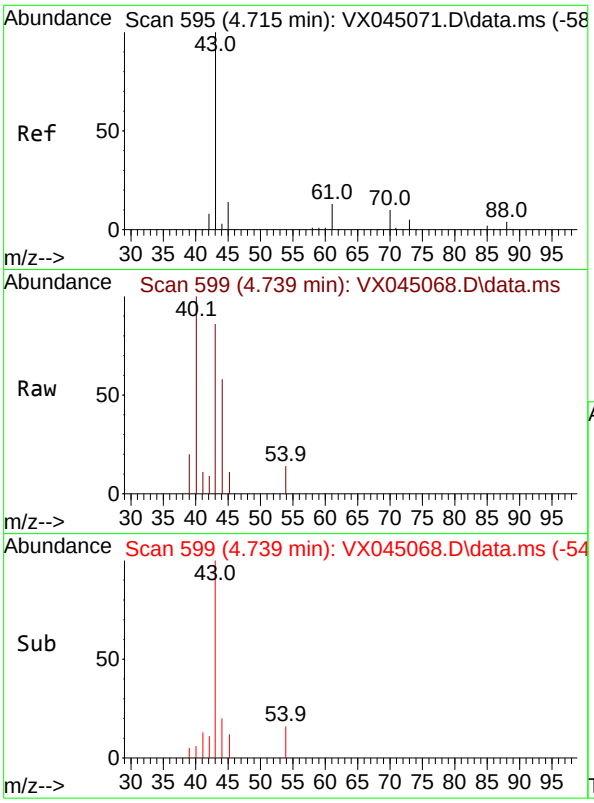


#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1681

Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



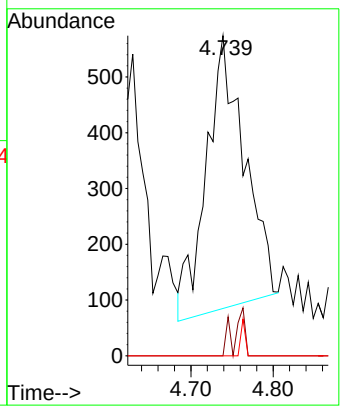


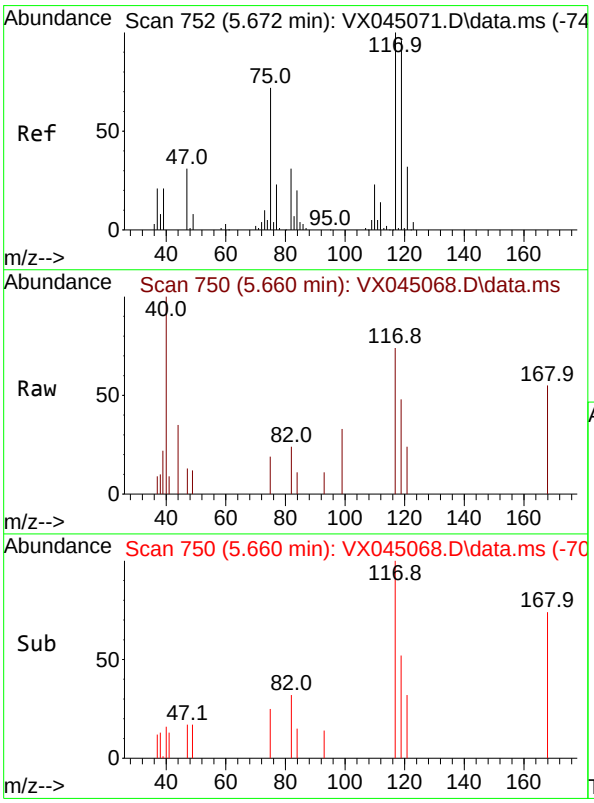
#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1582

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

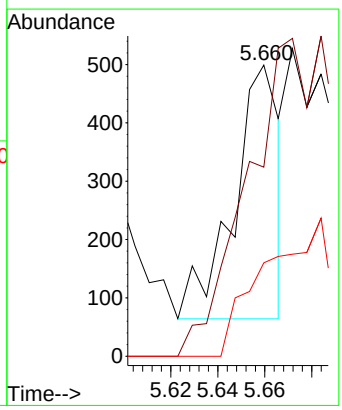


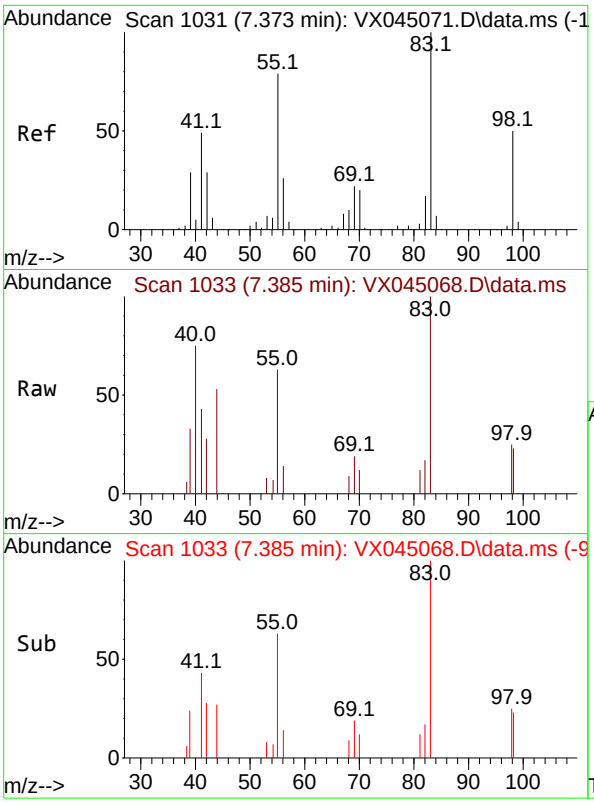


#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 588

Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.7	115.1#
121	36.8	25.5	38.3



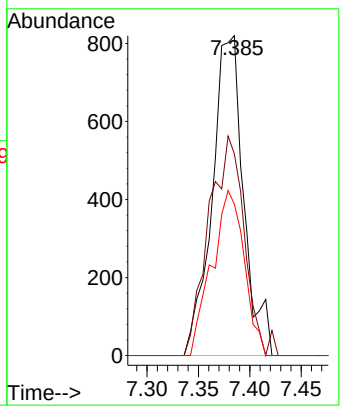


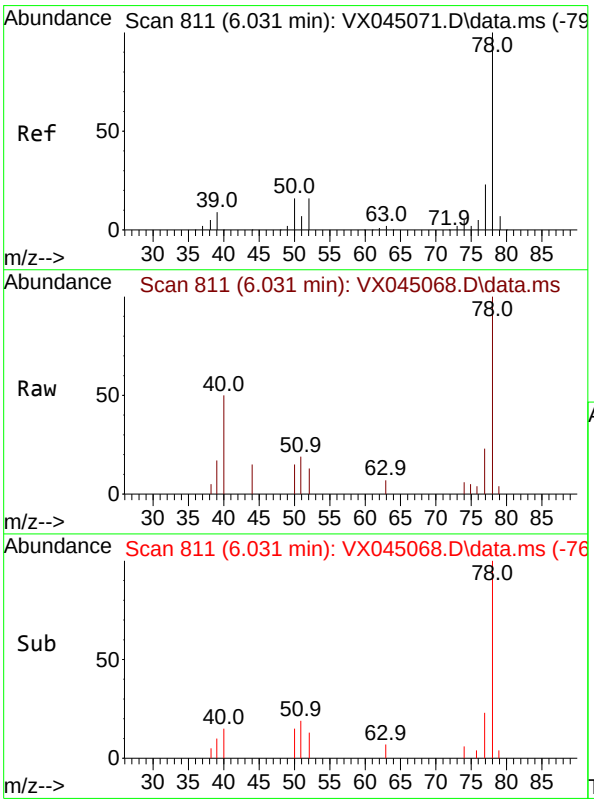
#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

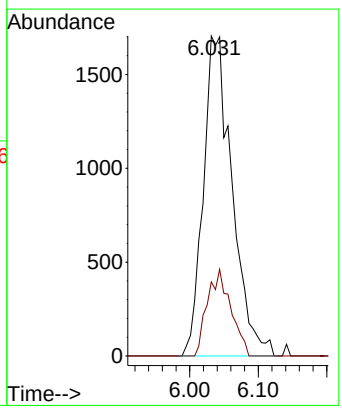


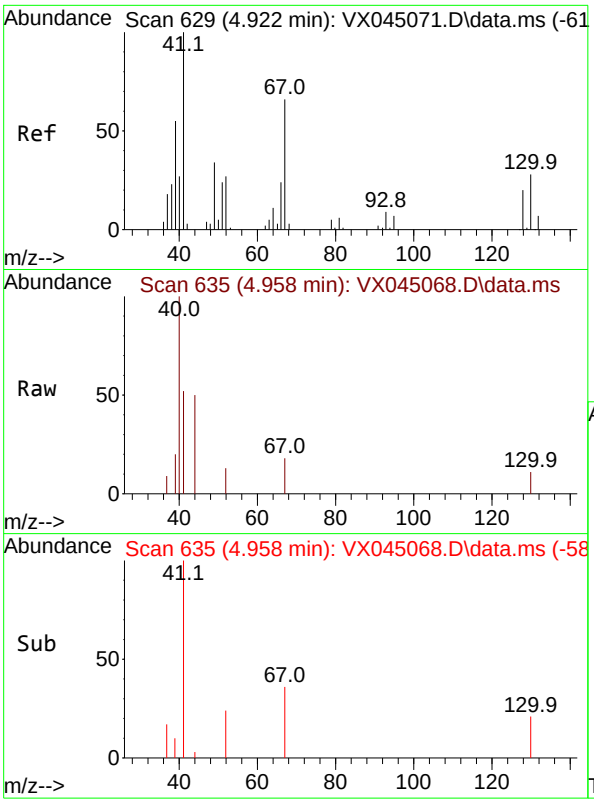


#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 4984

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



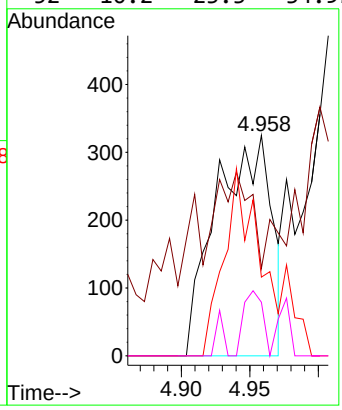


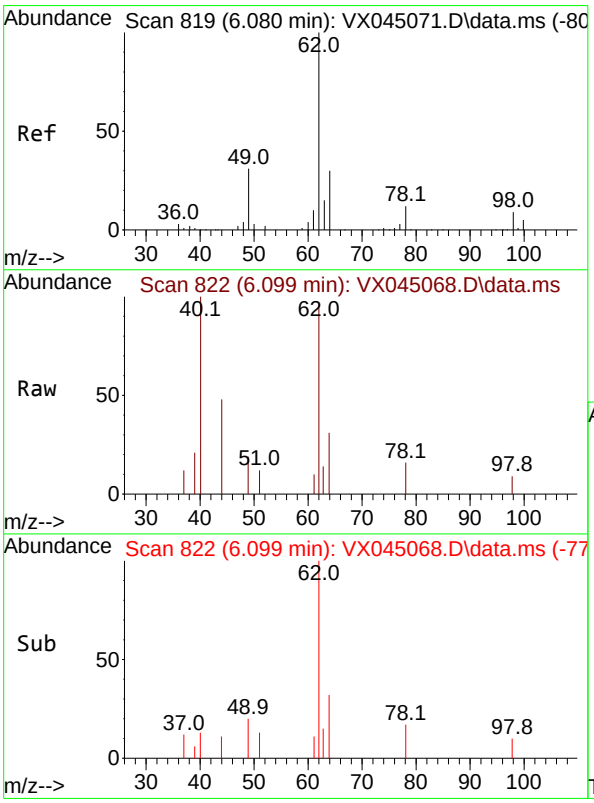
#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 912

Ion	Ratio	Lower	Upper
41	100		
39	34.3	44.6	67.0#
67	63.4	53.9	80.9
52	10.2	23.3	34.9#

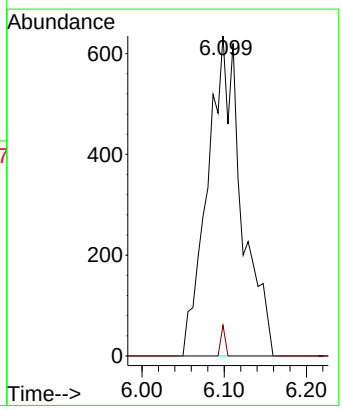


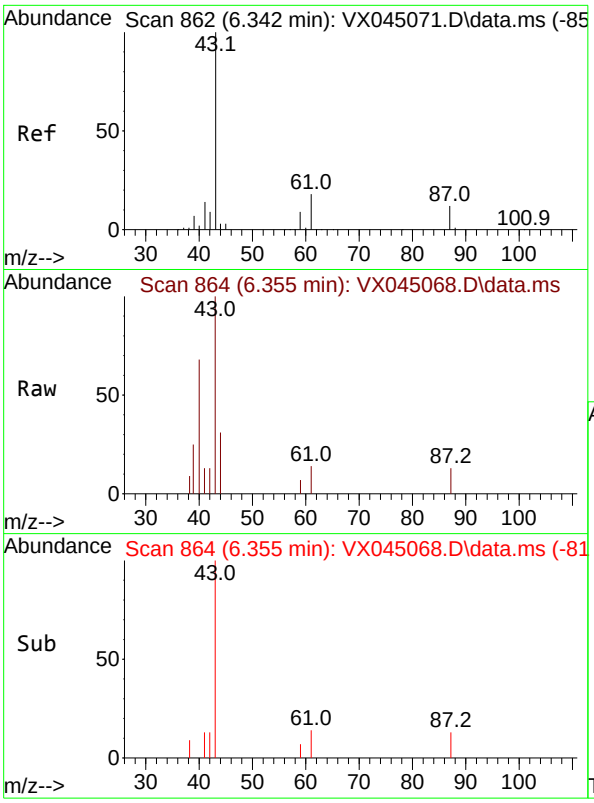


#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1837

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



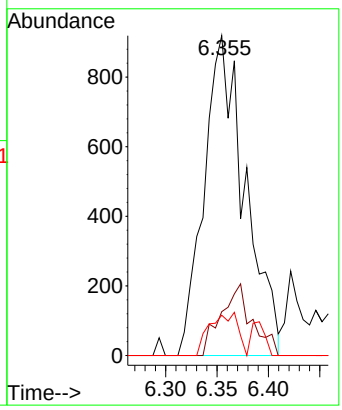


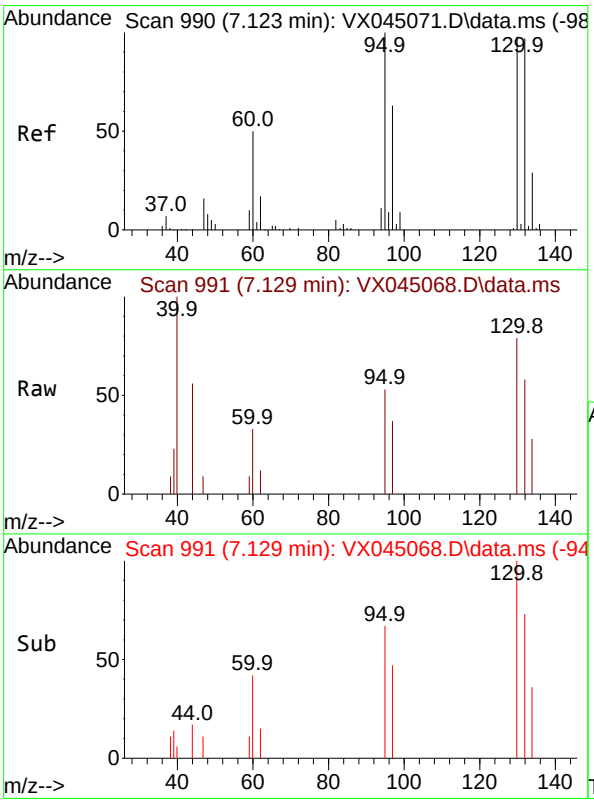
#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

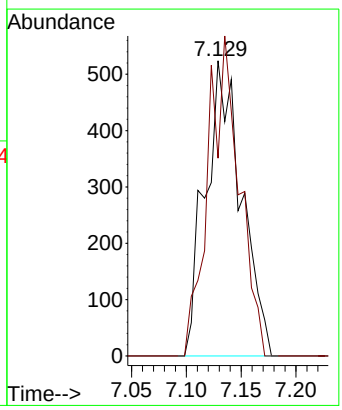


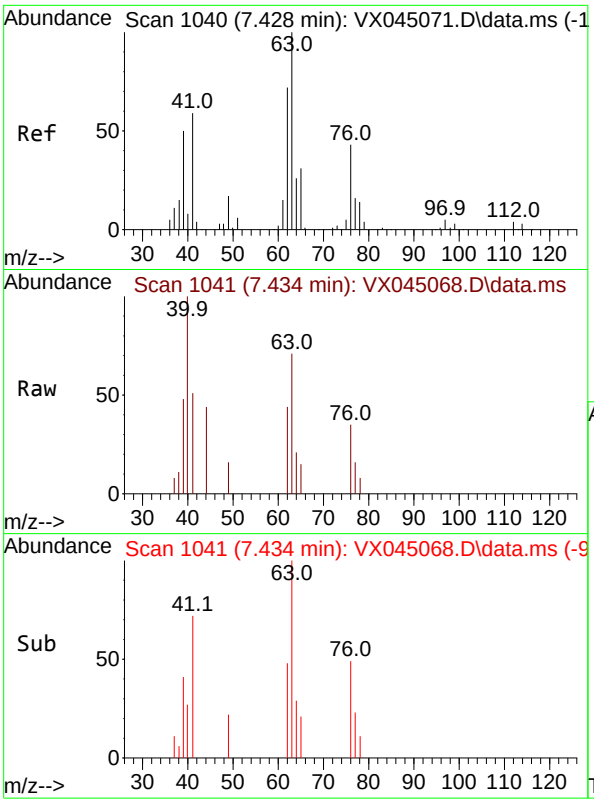


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 1202

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



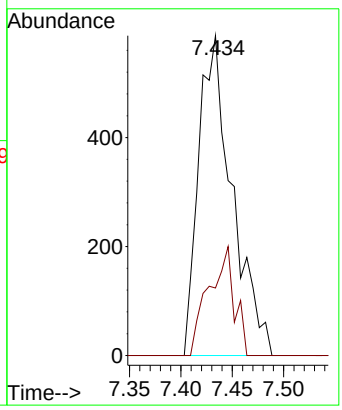


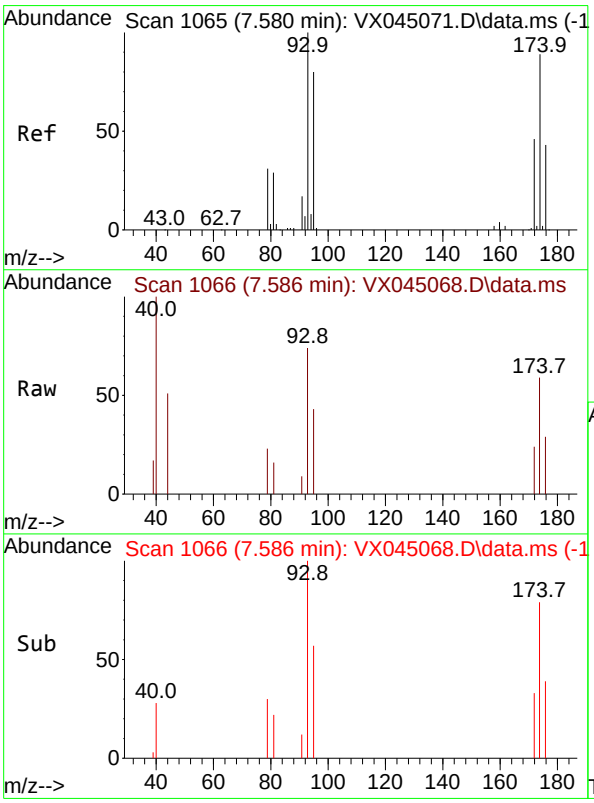
#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

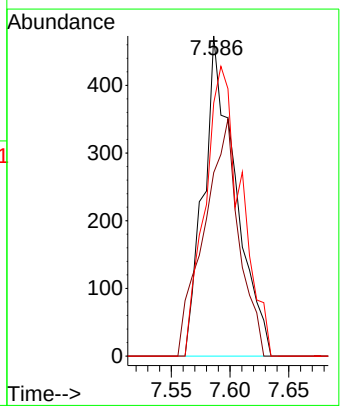


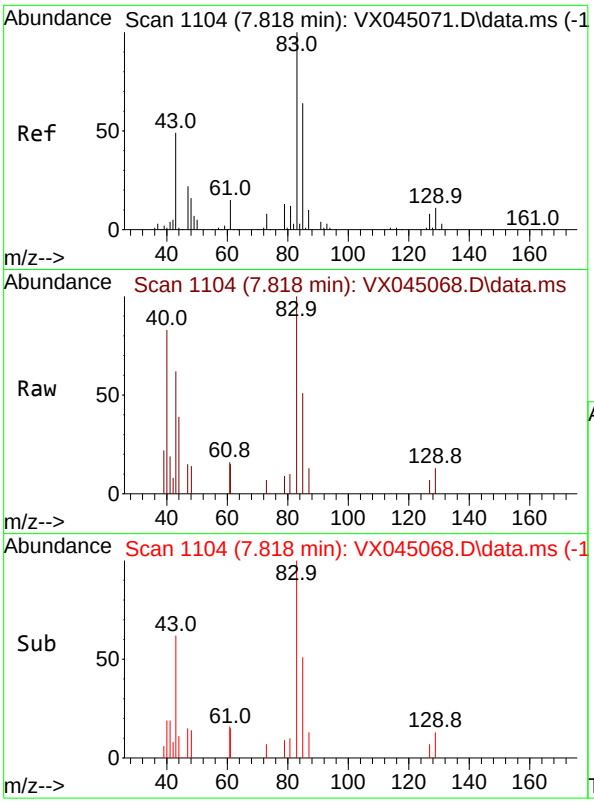


#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 891

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



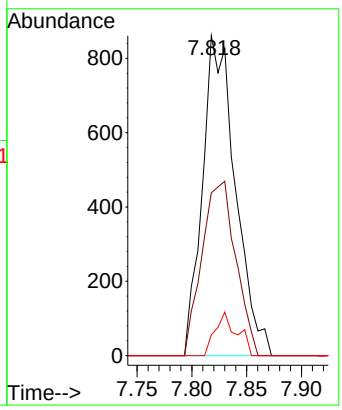


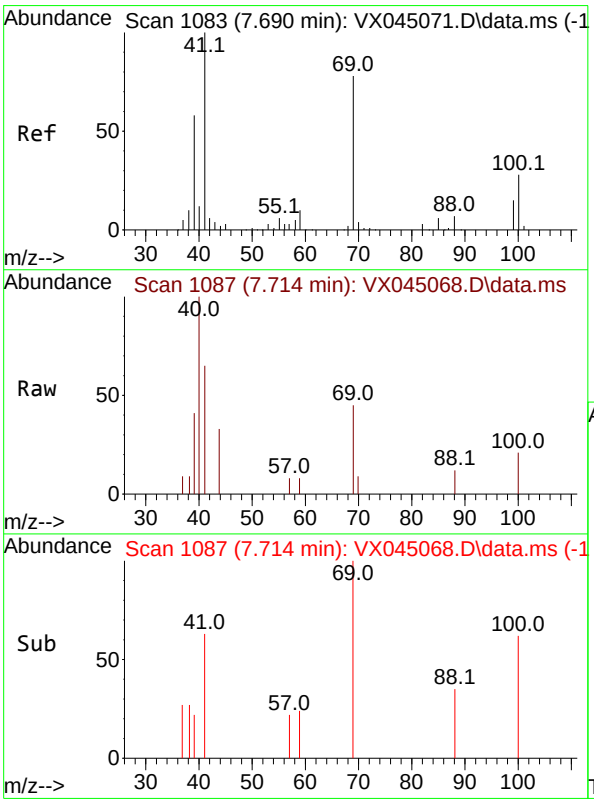
#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

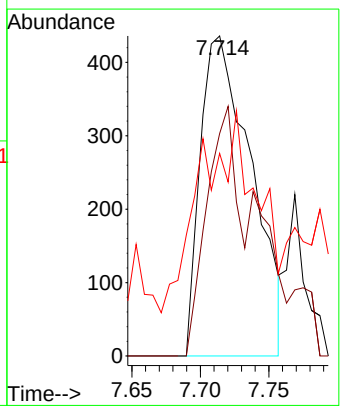


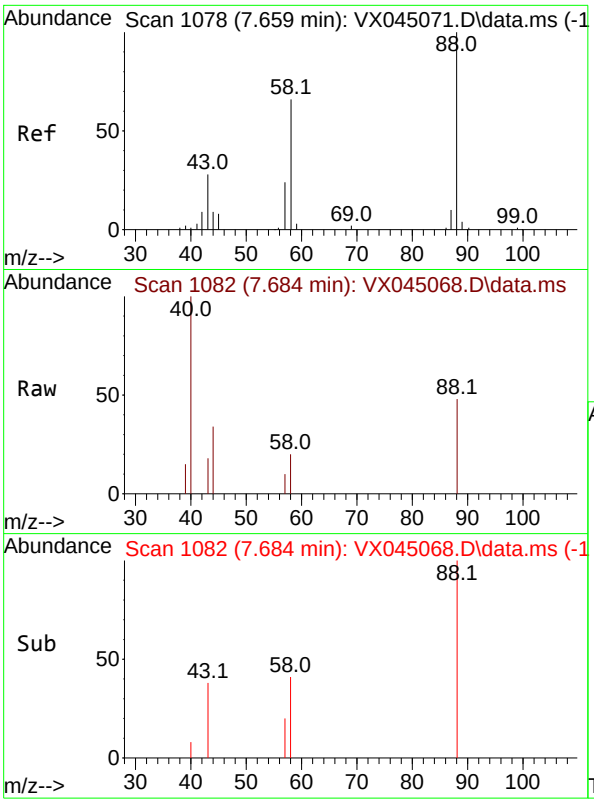


#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1125

Ion	Ratio	Lower	Upper
41	100		
69	48.9	63.0	94.6#
39	24.4	47.5	71.3#



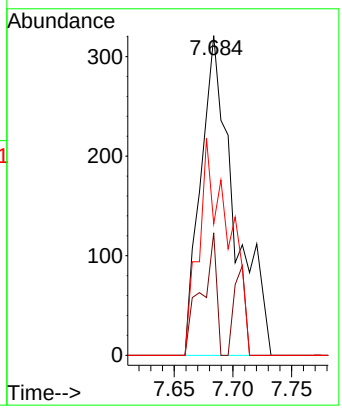


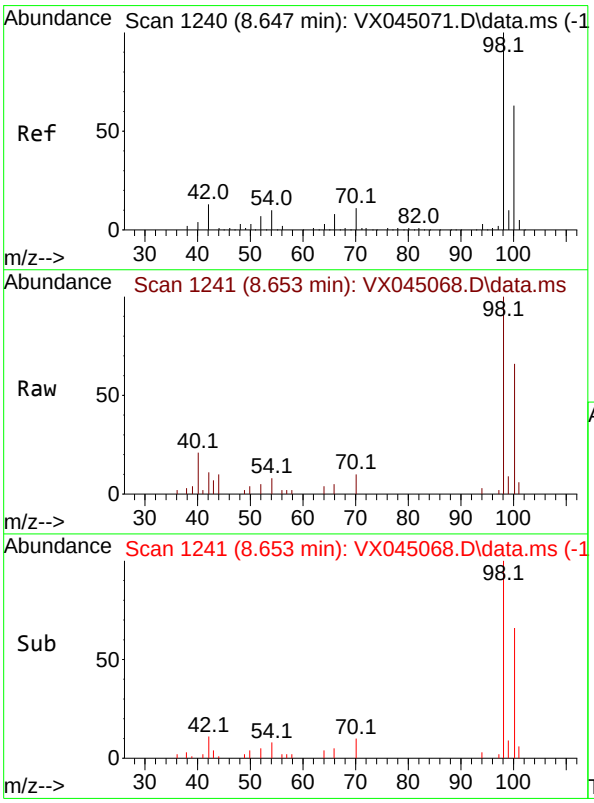
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8

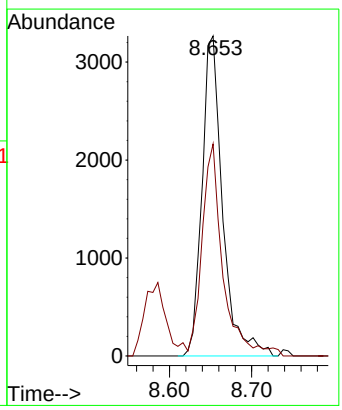


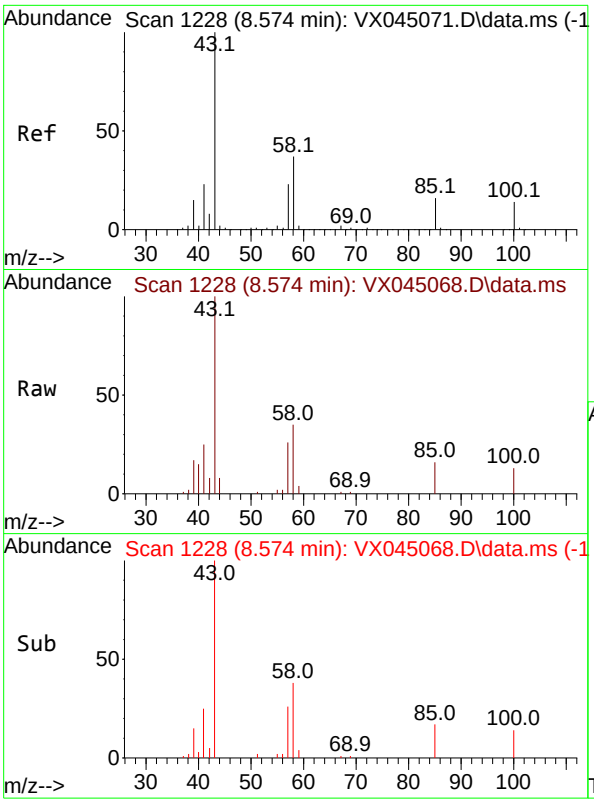


#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.0	78.0



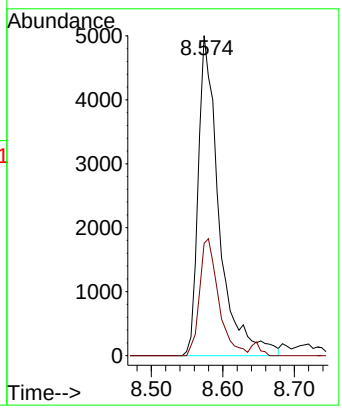


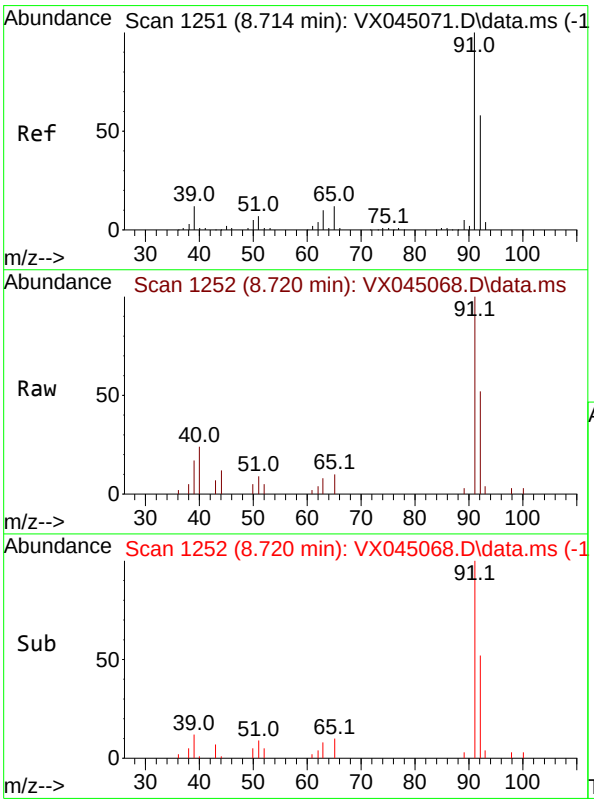
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

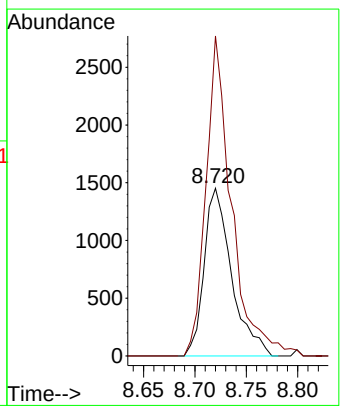


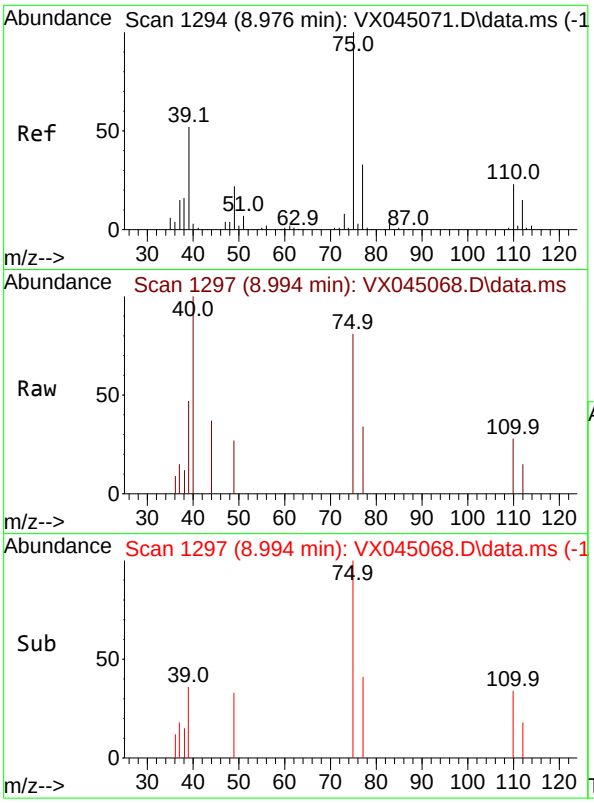


#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 2700

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



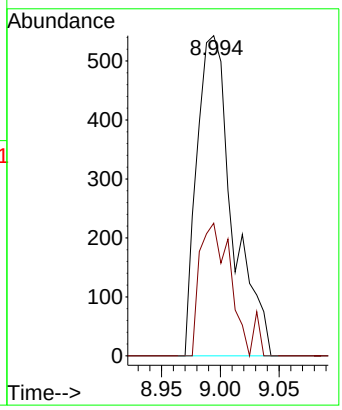


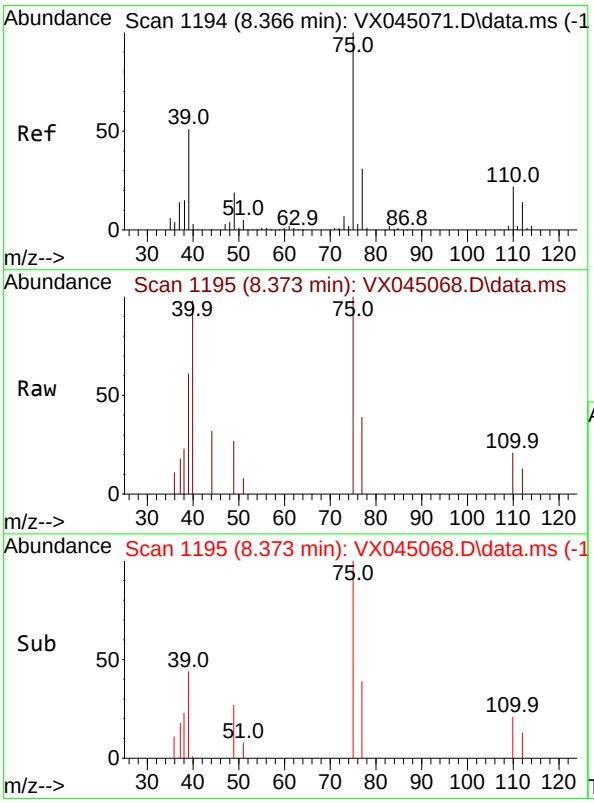
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

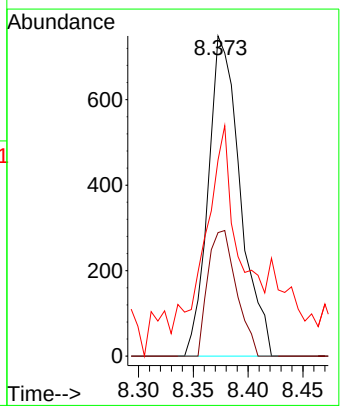


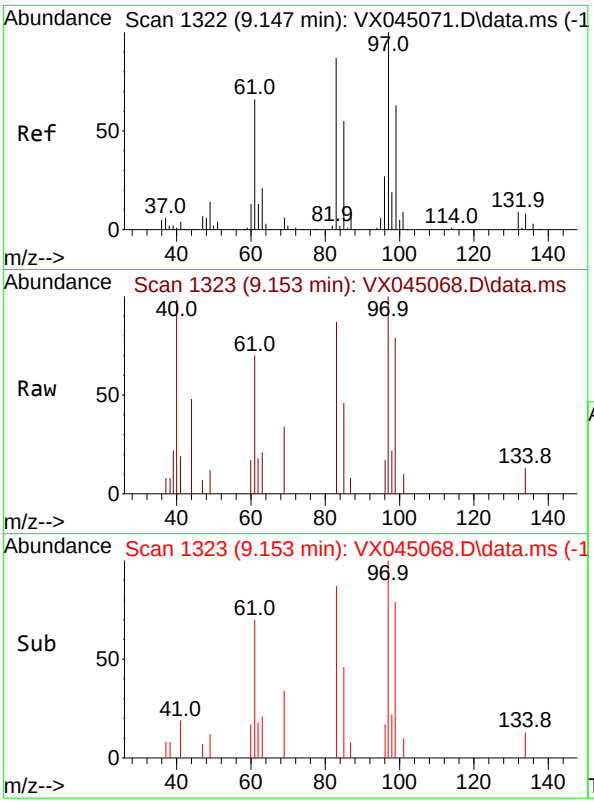


#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1525

Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



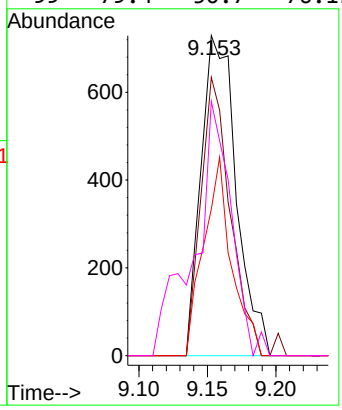


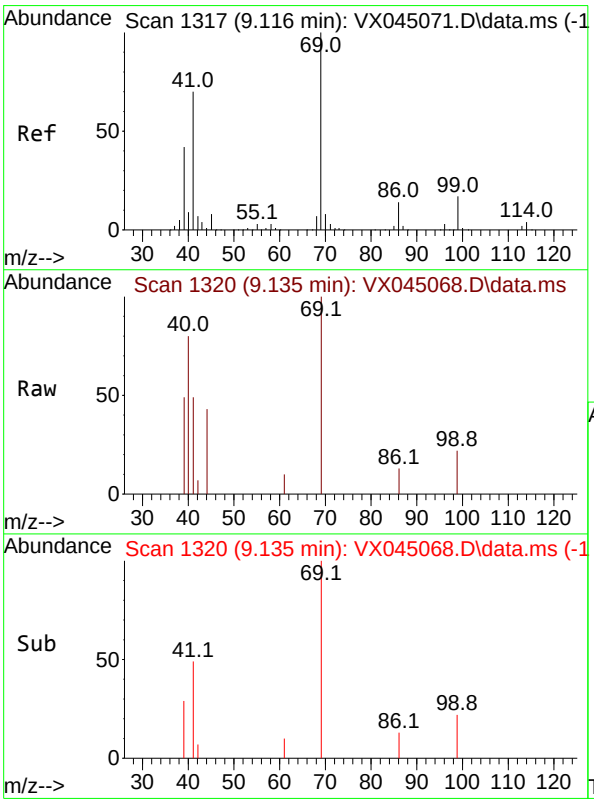
#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

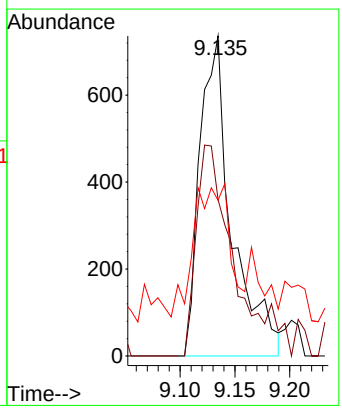


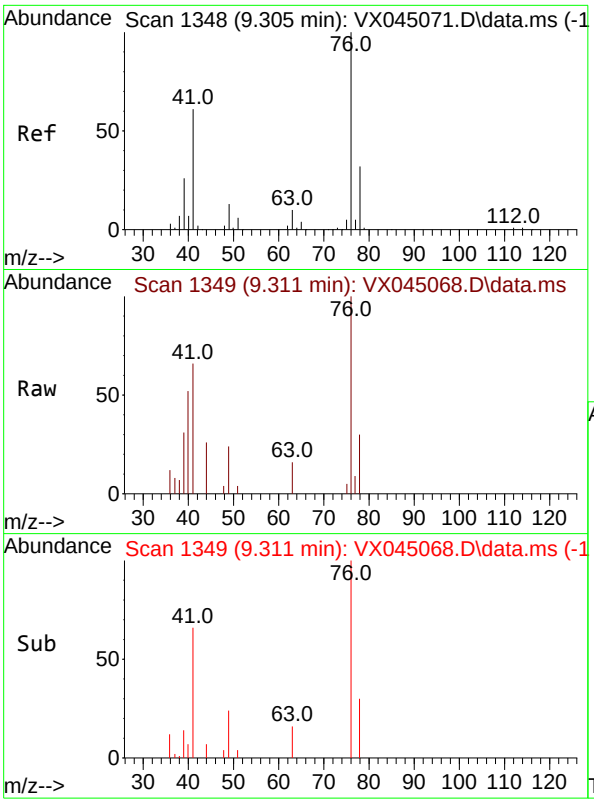


#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 1494

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4#



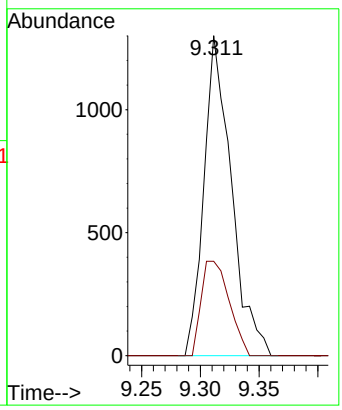


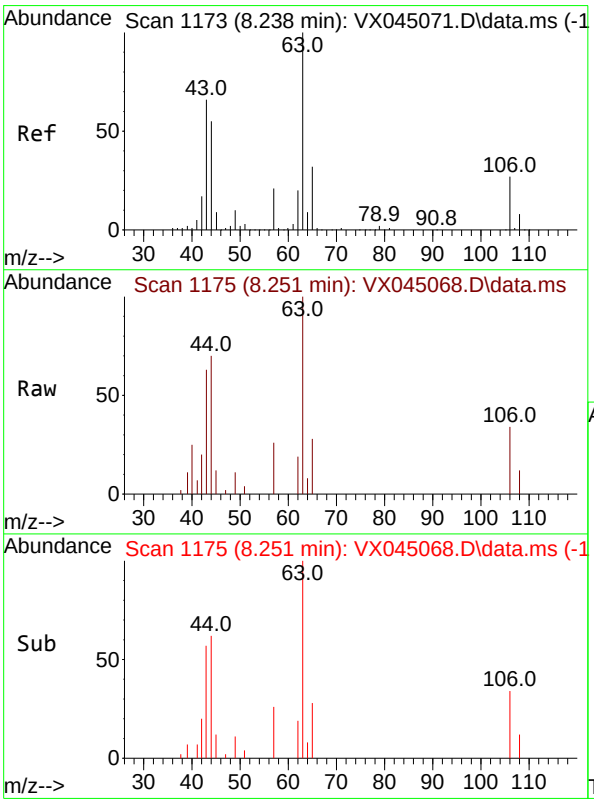
#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

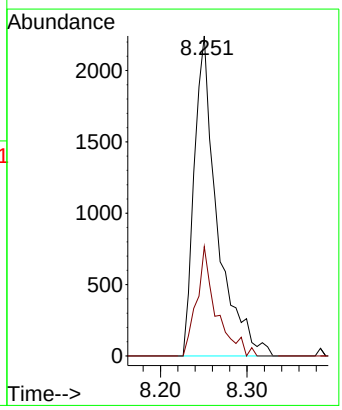


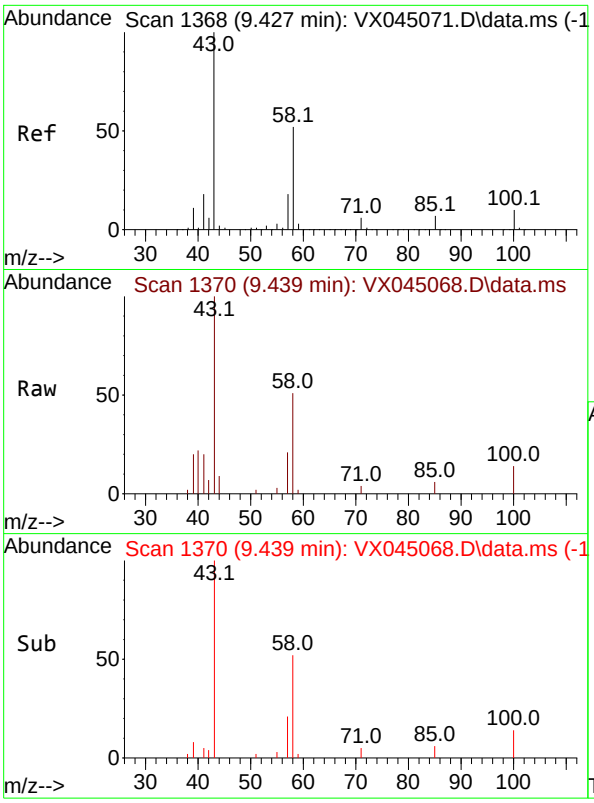


#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



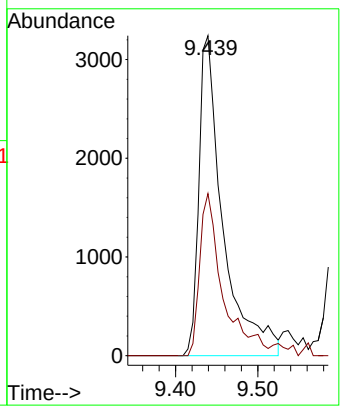


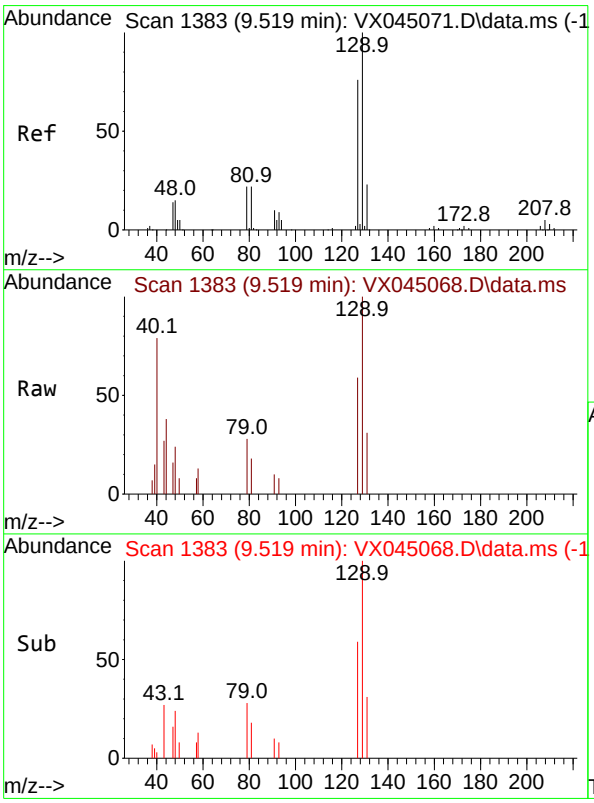
#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

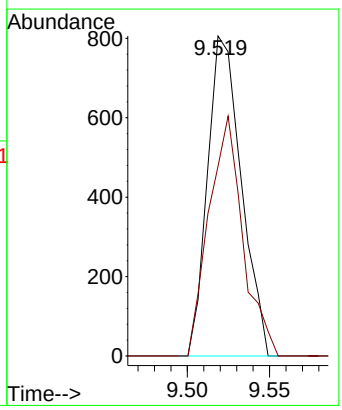


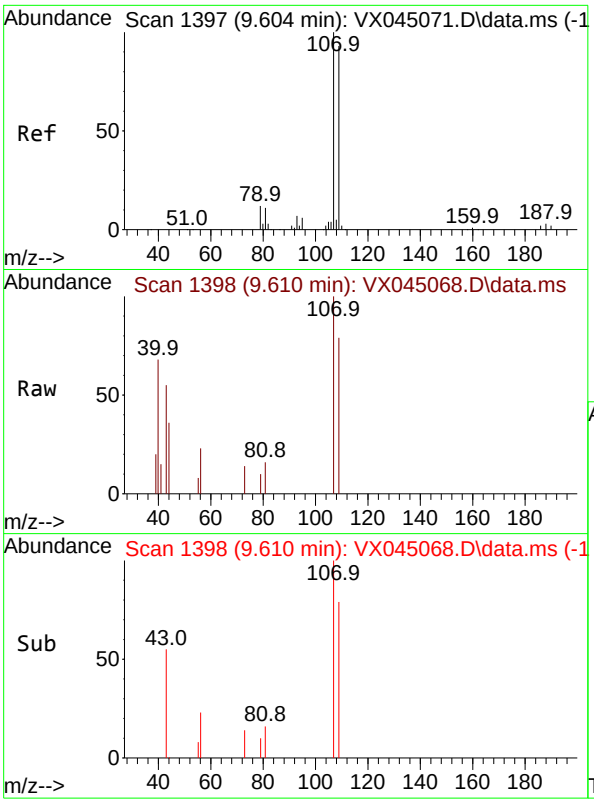


#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 1152

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



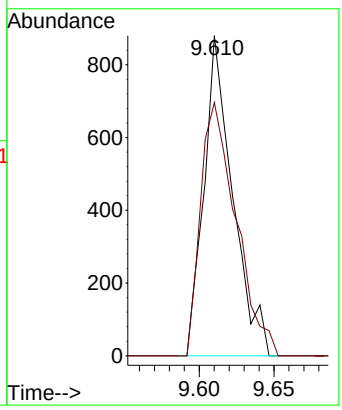


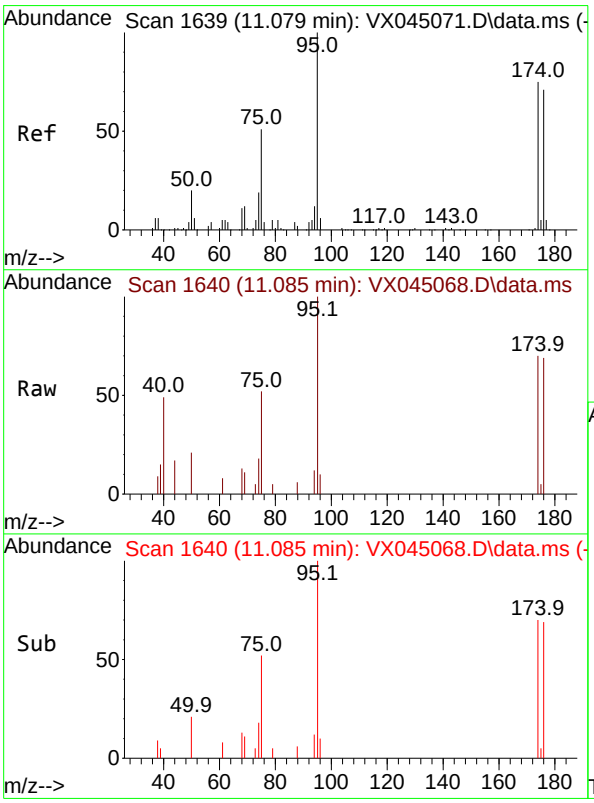
#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1

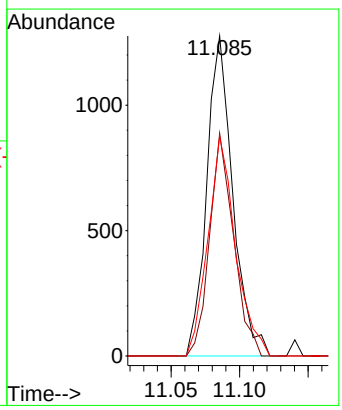


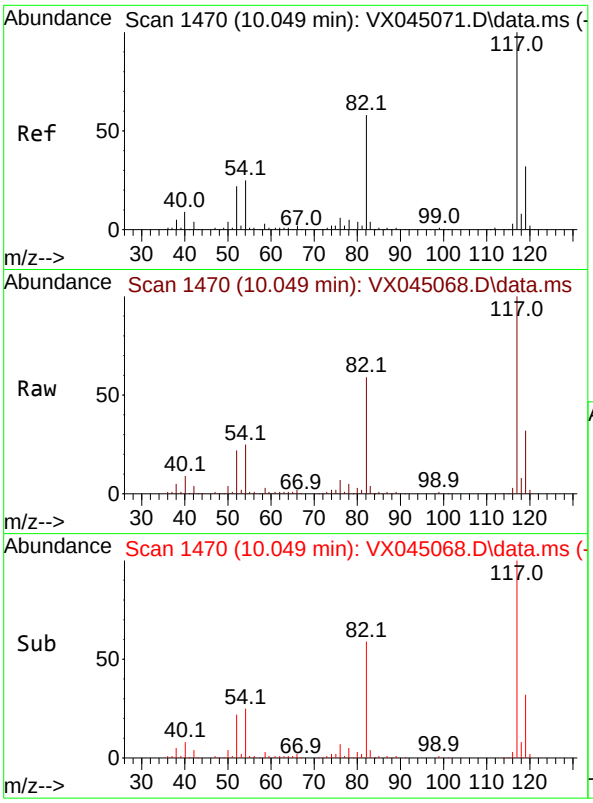


#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 95 Resp: 1685

Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	148.2
176	72.7	0.0	141.4



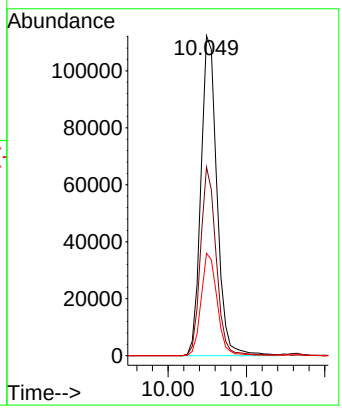


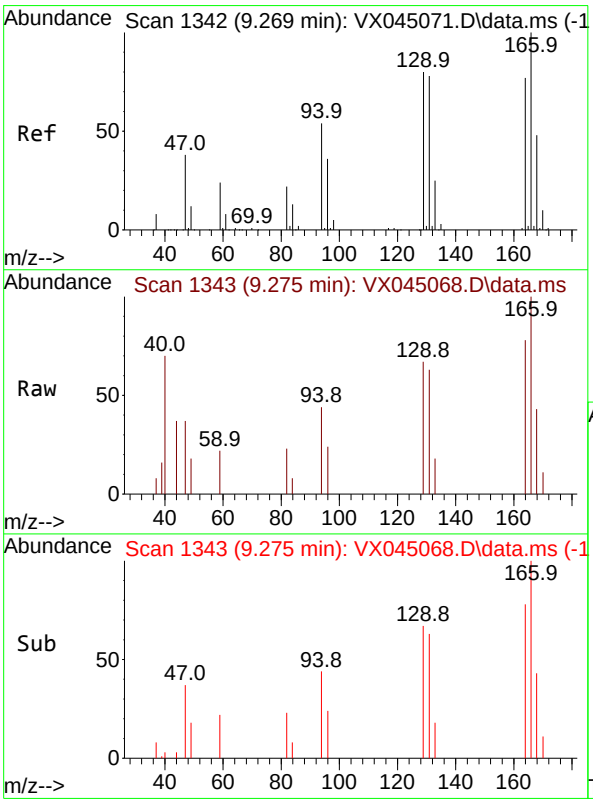
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

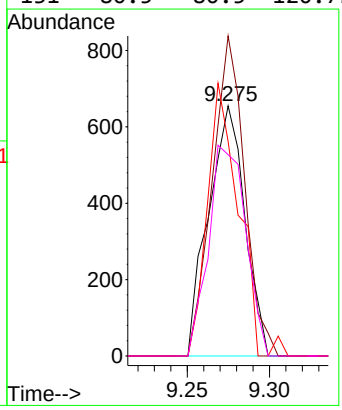


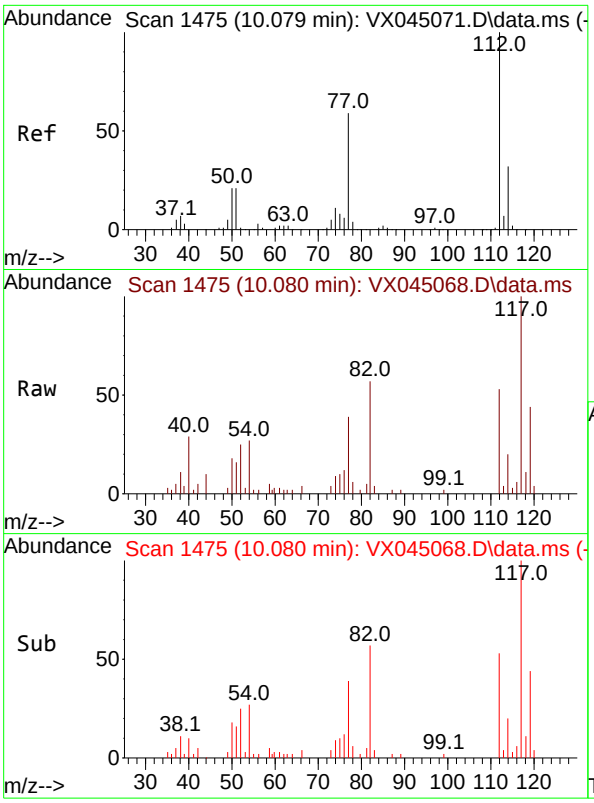


#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 1006

Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



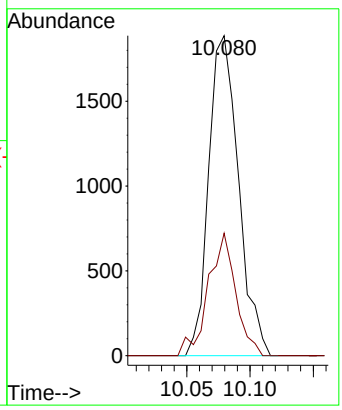


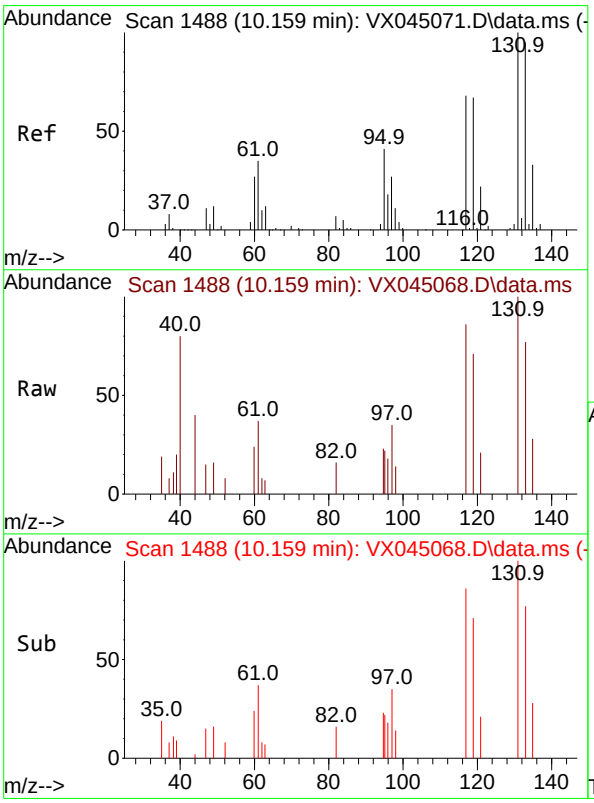
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0

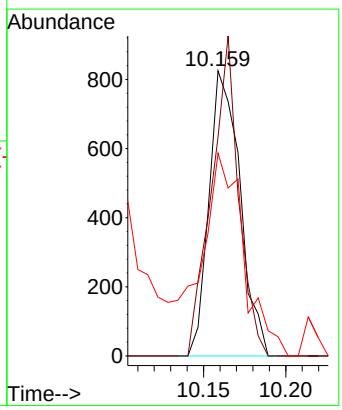


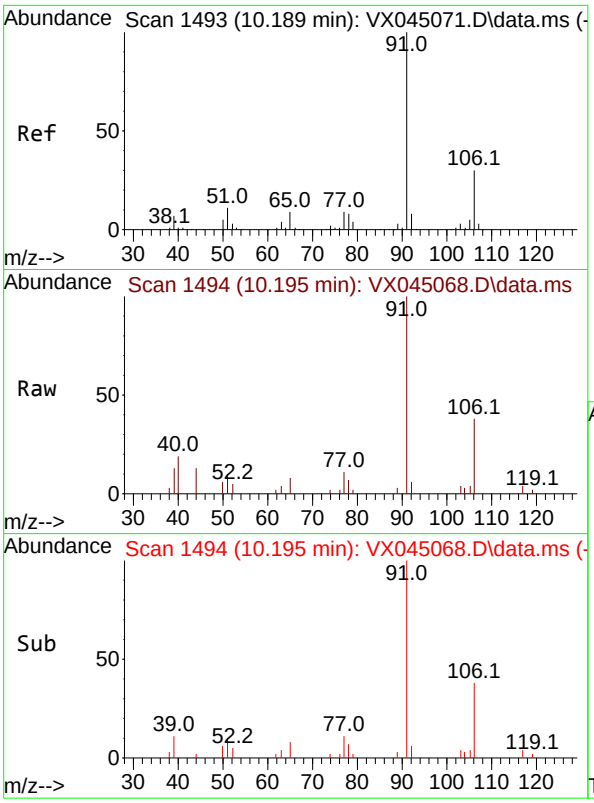


#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:131 Resp: 1078

Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#



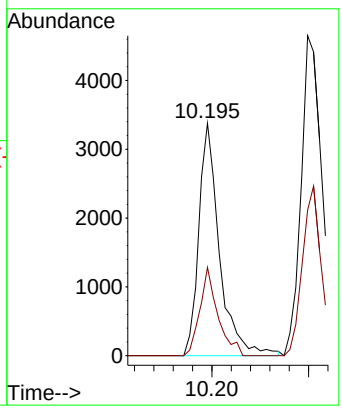


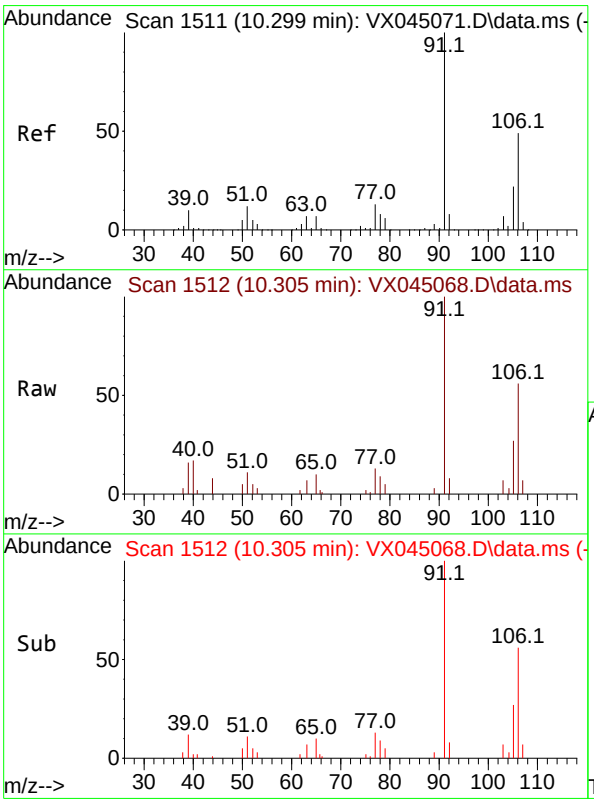
#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

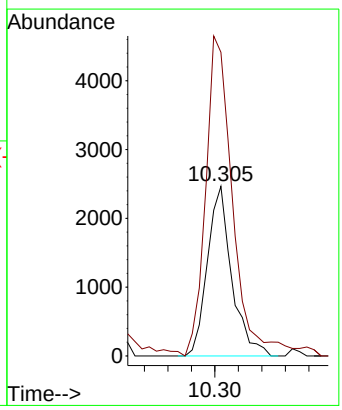


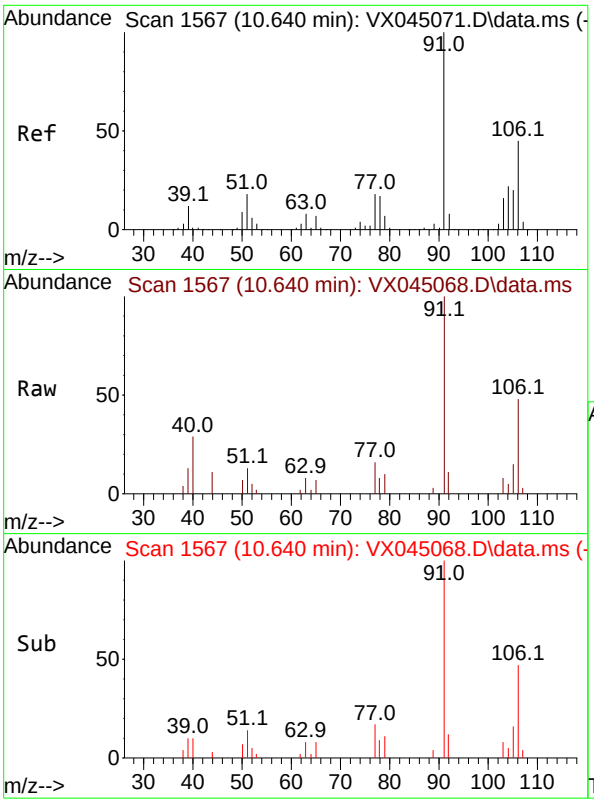


#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 3552

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



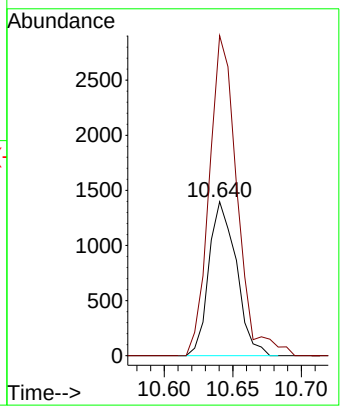


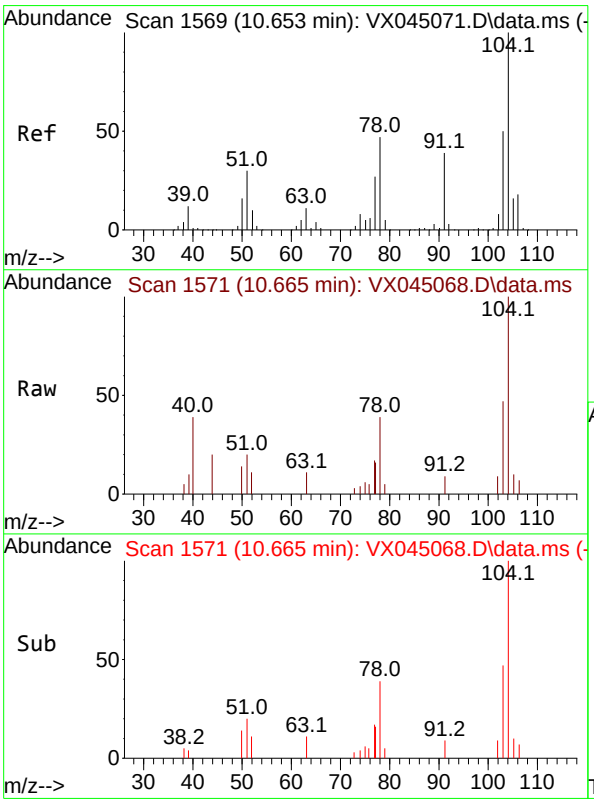
#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

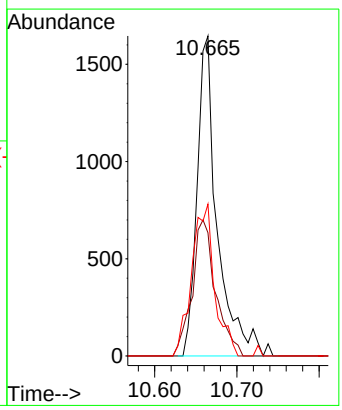


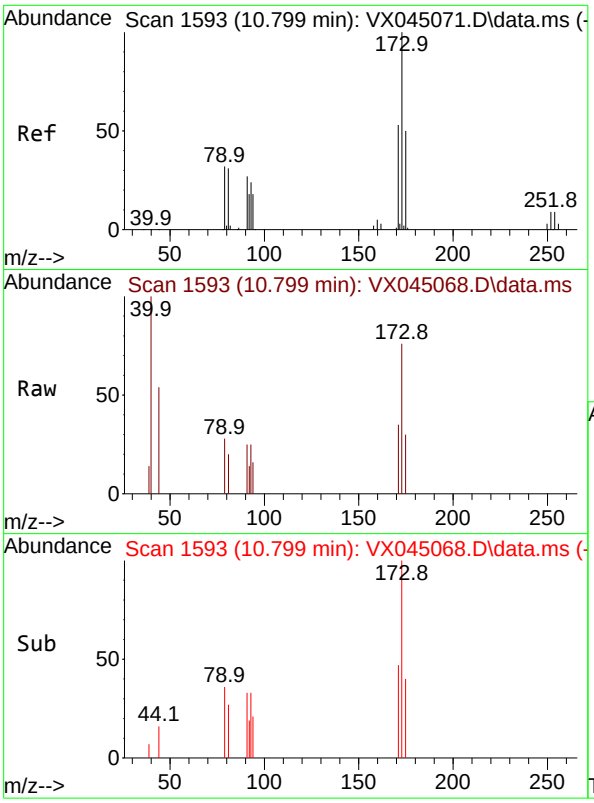


#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 2810

Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



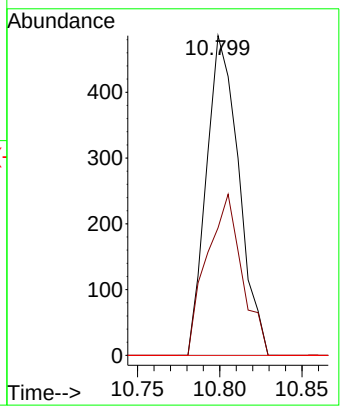


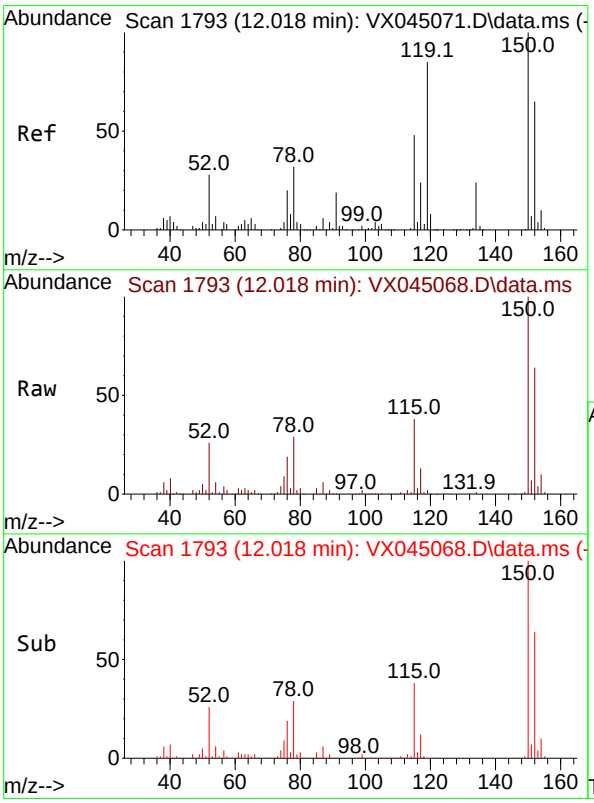
#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

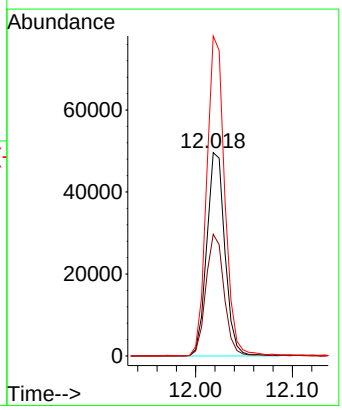


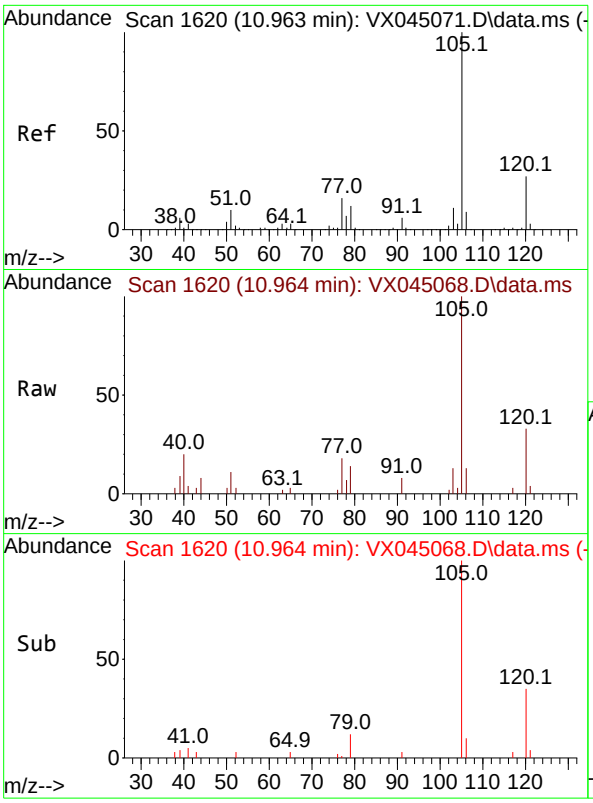


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 64845

Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



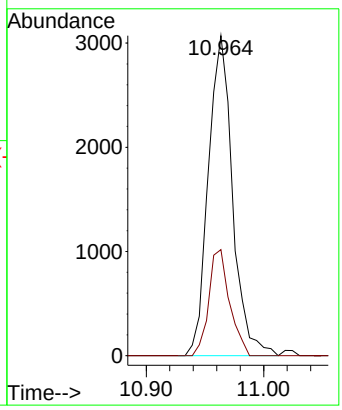


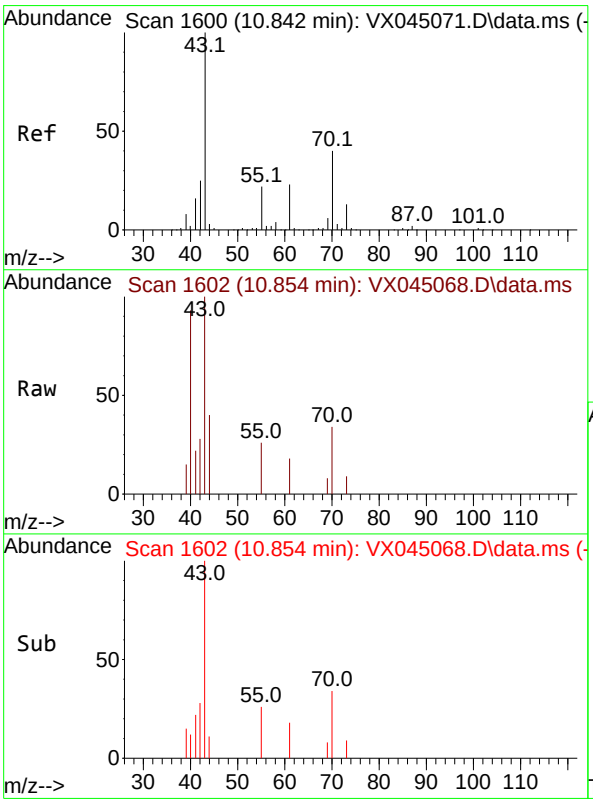
#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

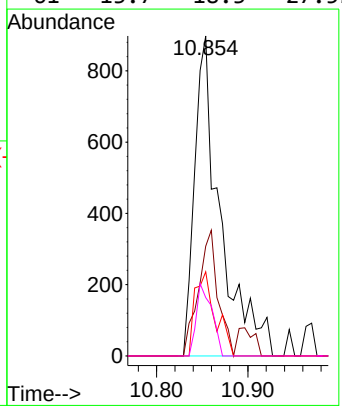


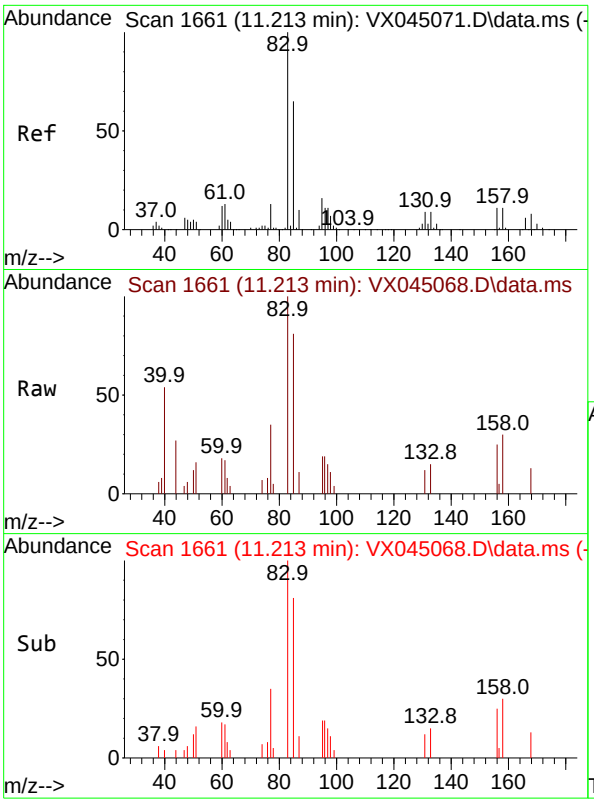


#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1750

Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



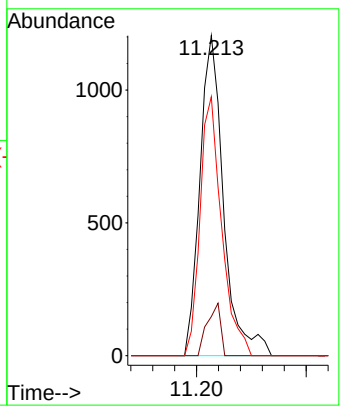


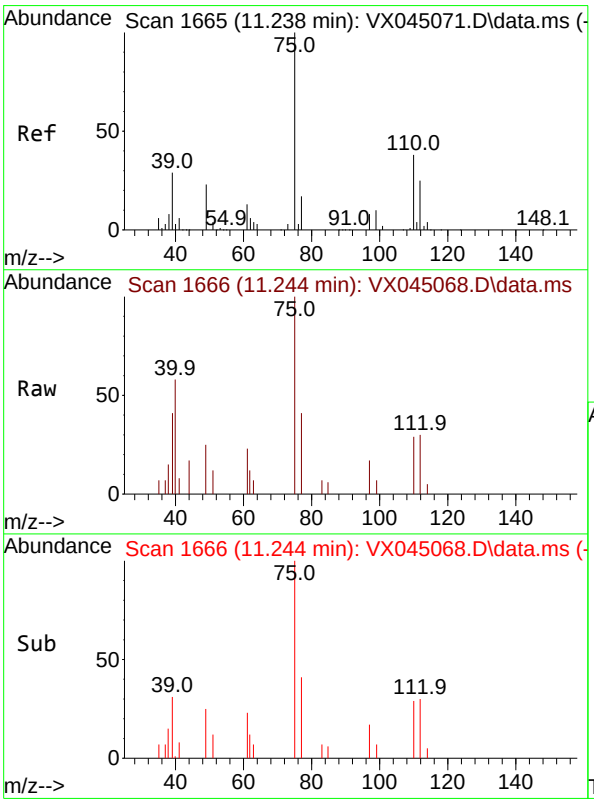
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

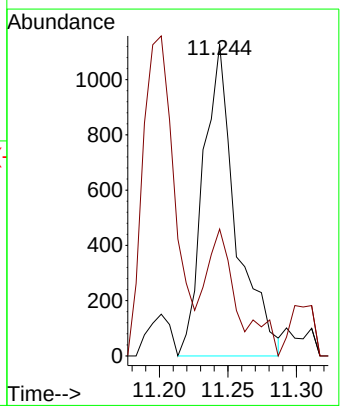


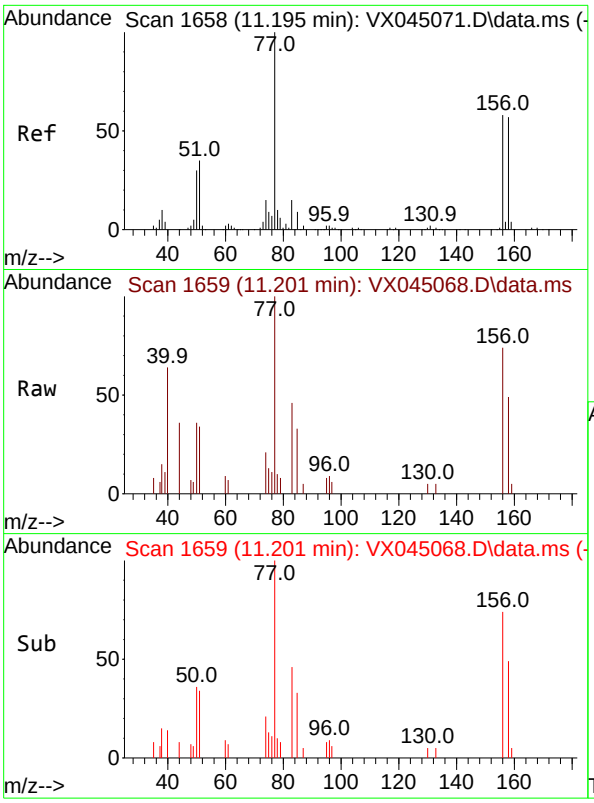


#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



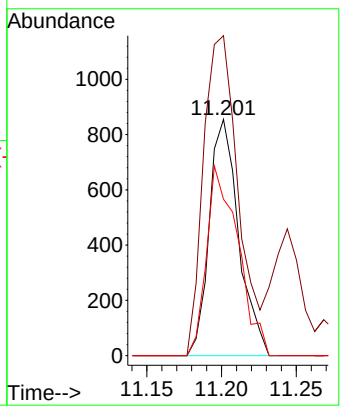


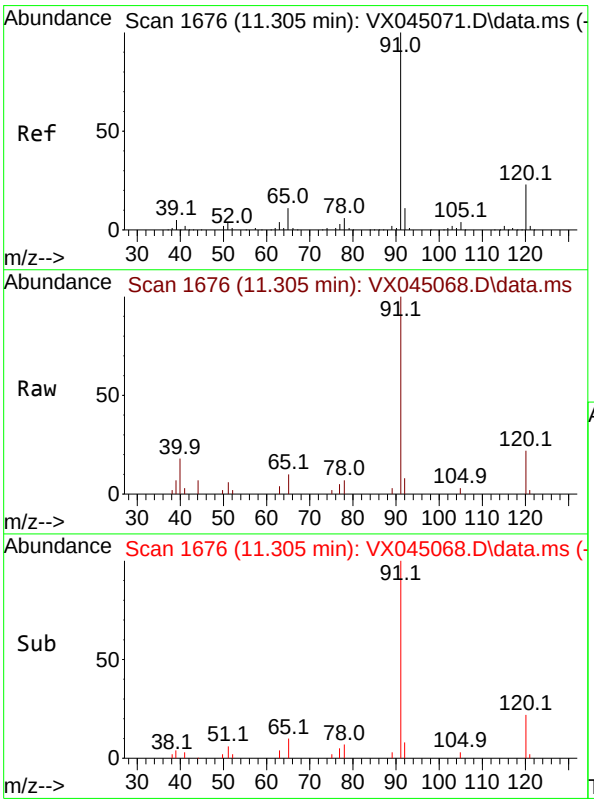
#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

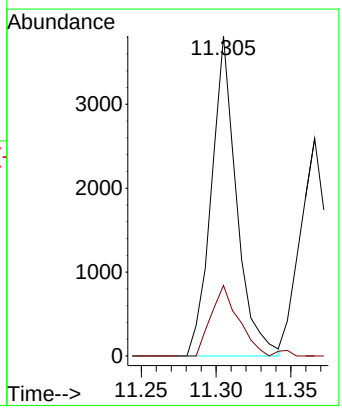


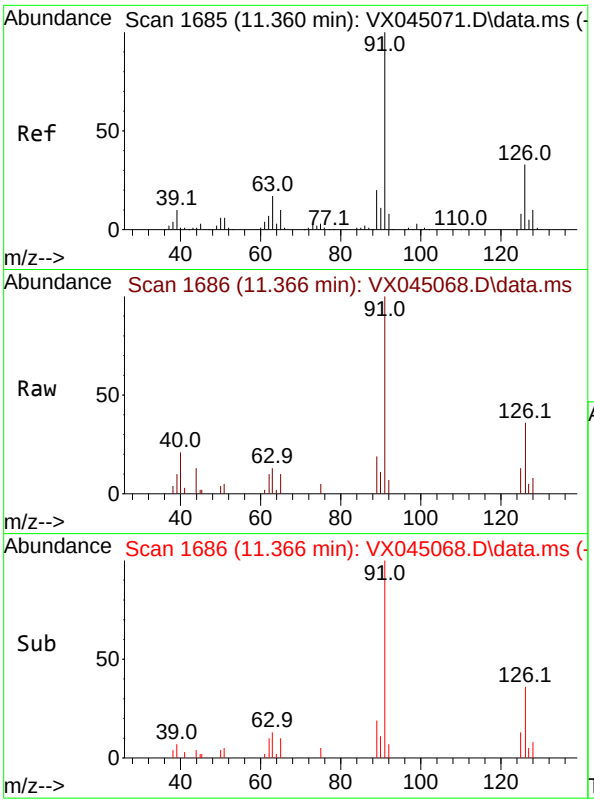


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 4475

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



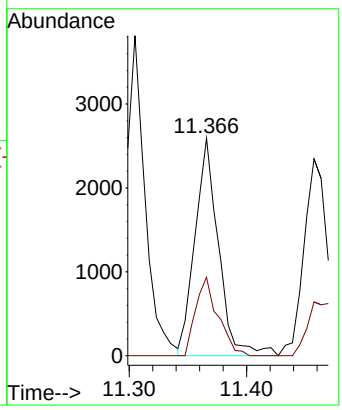


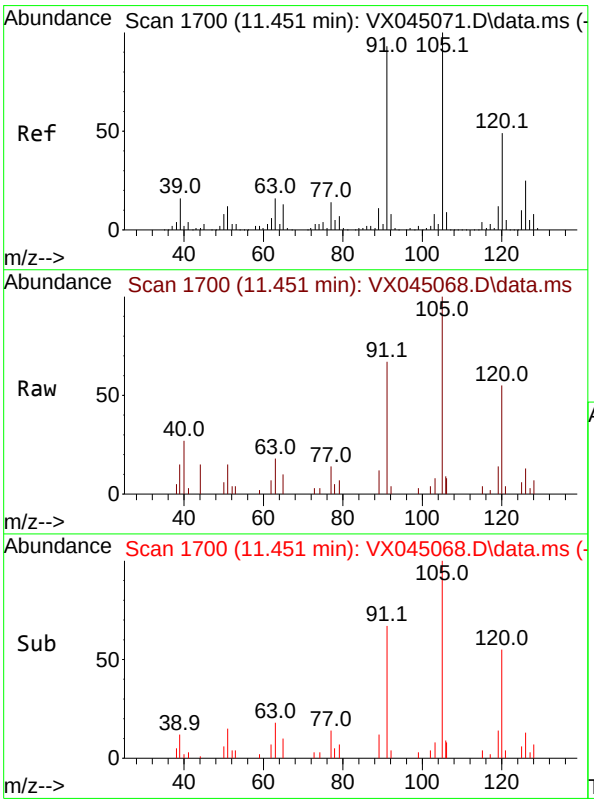
#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

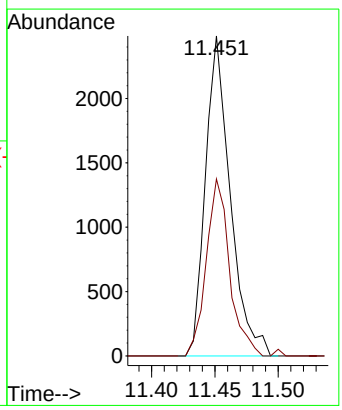


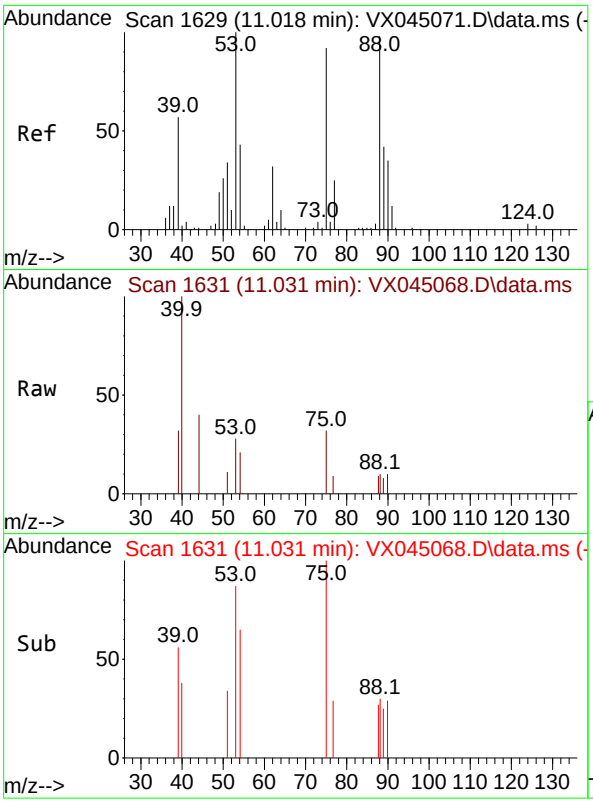


#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3386

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



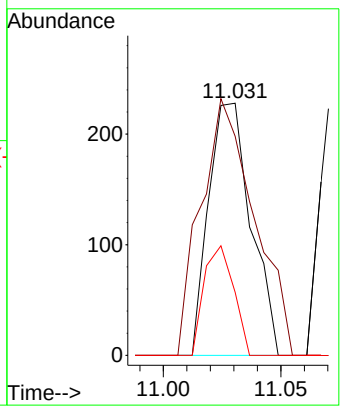


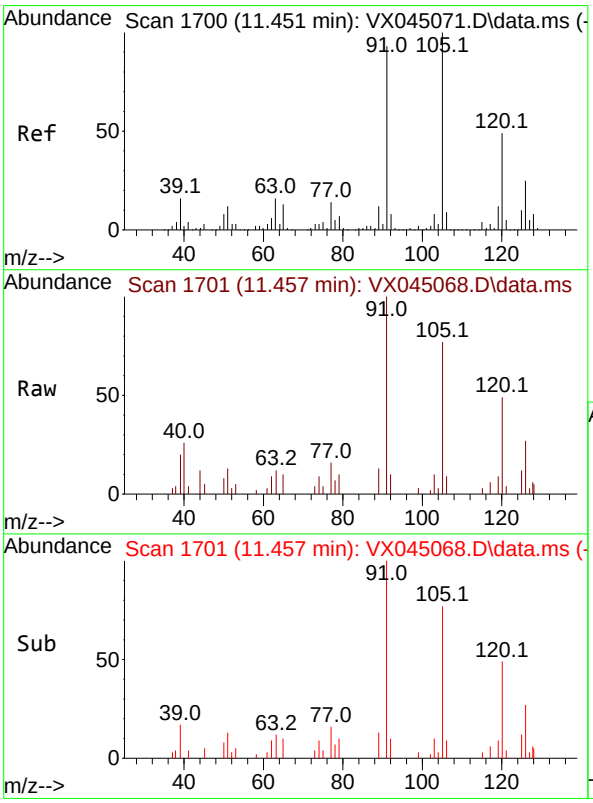
#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 285

Ion	Ratio	Lower	Upper
75	100		
53	128.8	88.5	132.7
89	30.5	36.2	54.4#

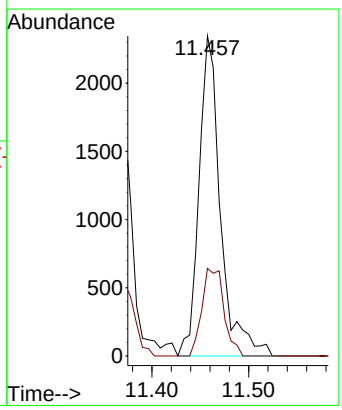


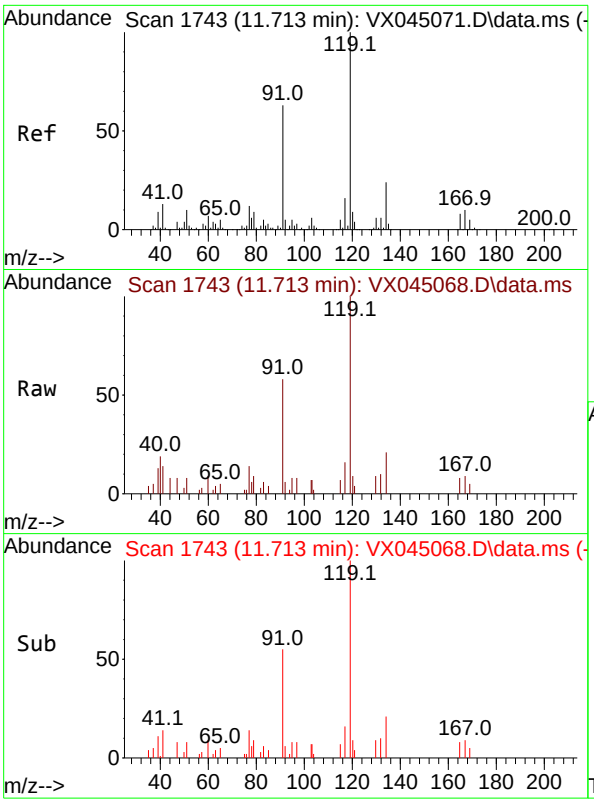


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



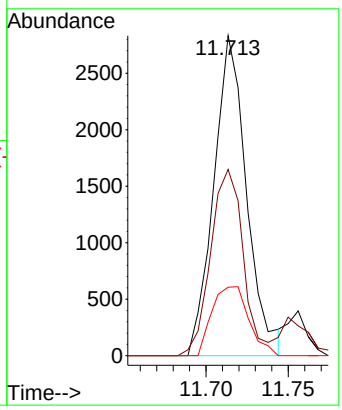


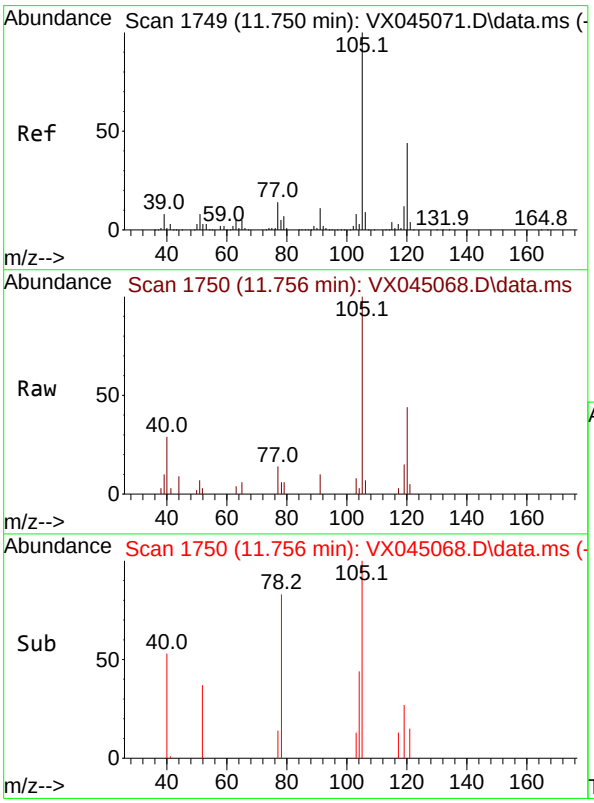
#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3928

Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0

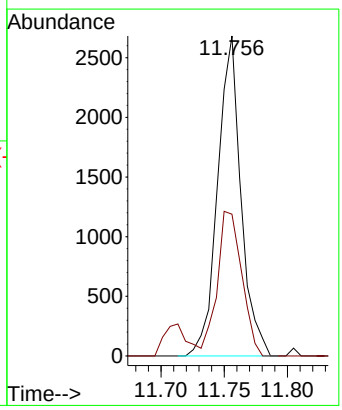


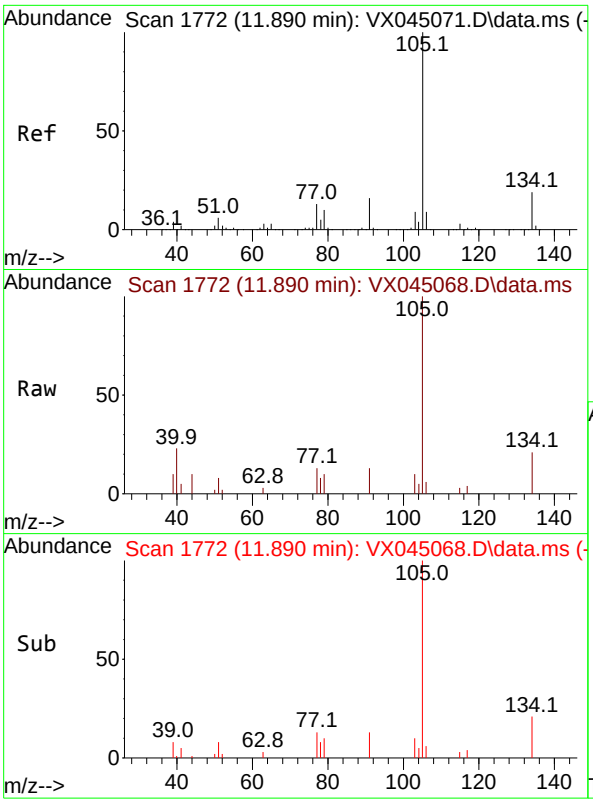


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1



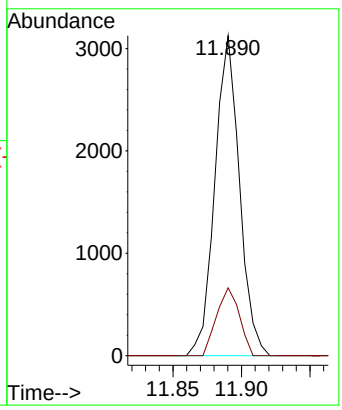


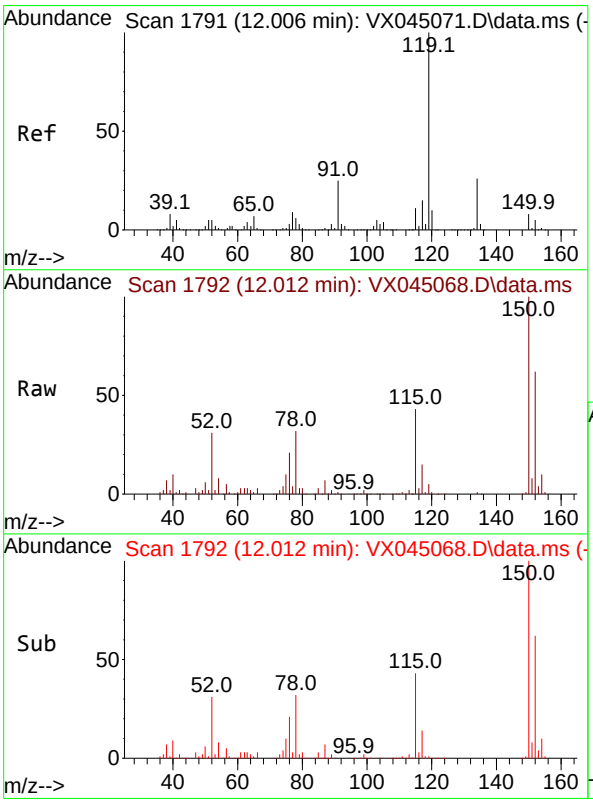
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3891

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

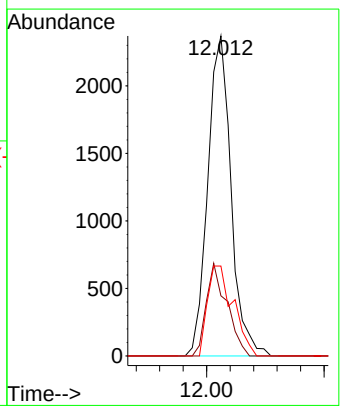


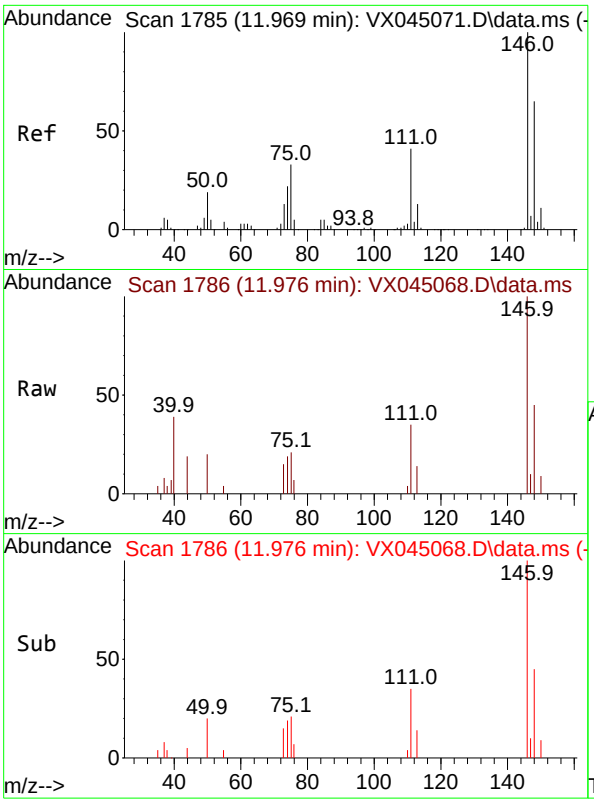


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0



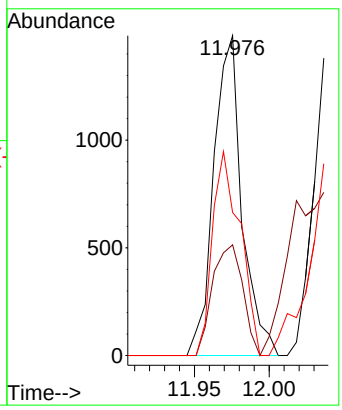


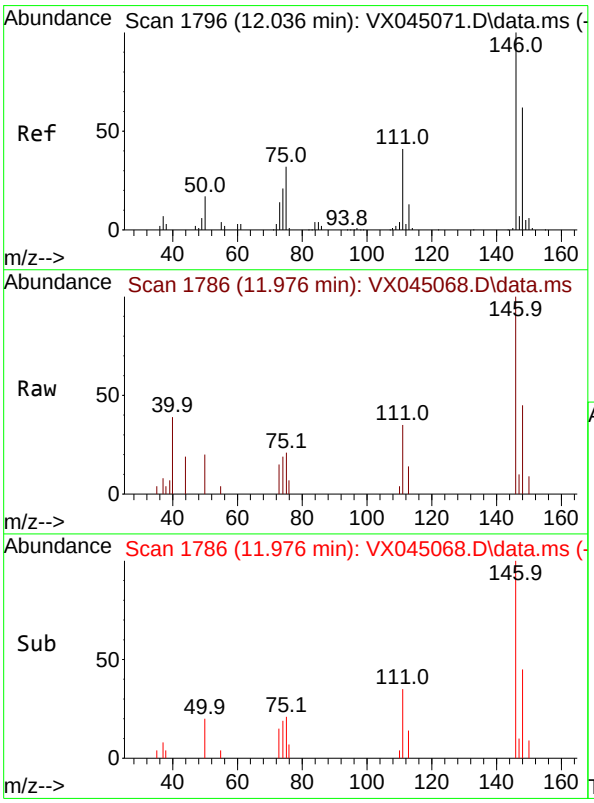
#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7

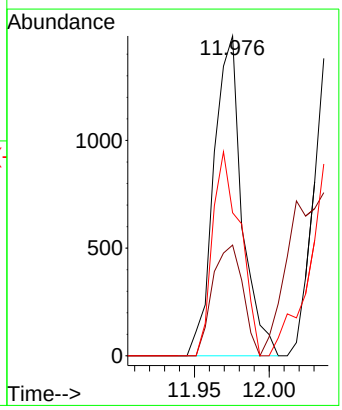


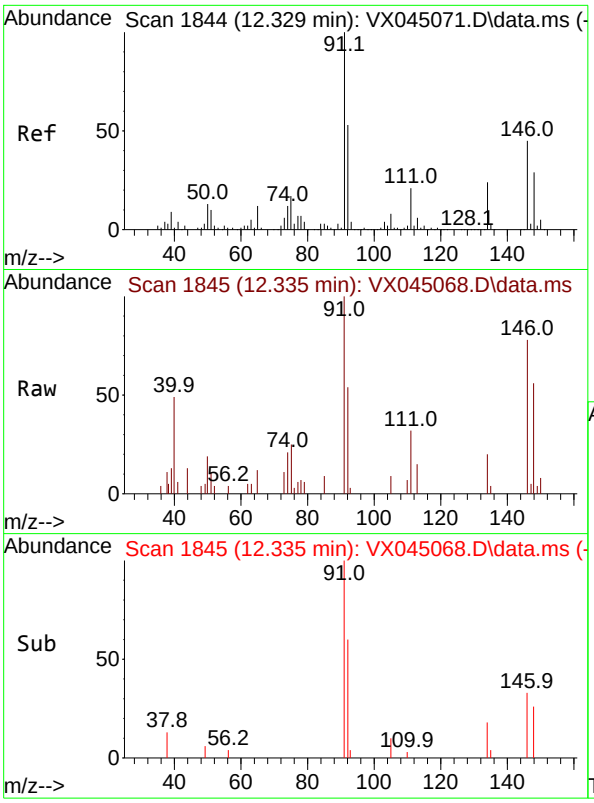


#88
1,4-Dichlorobenzene
Concen: 0.900 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	62.4	31.9	95.9



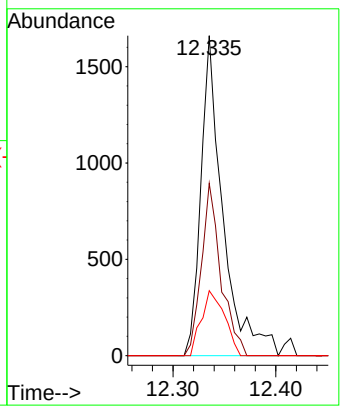


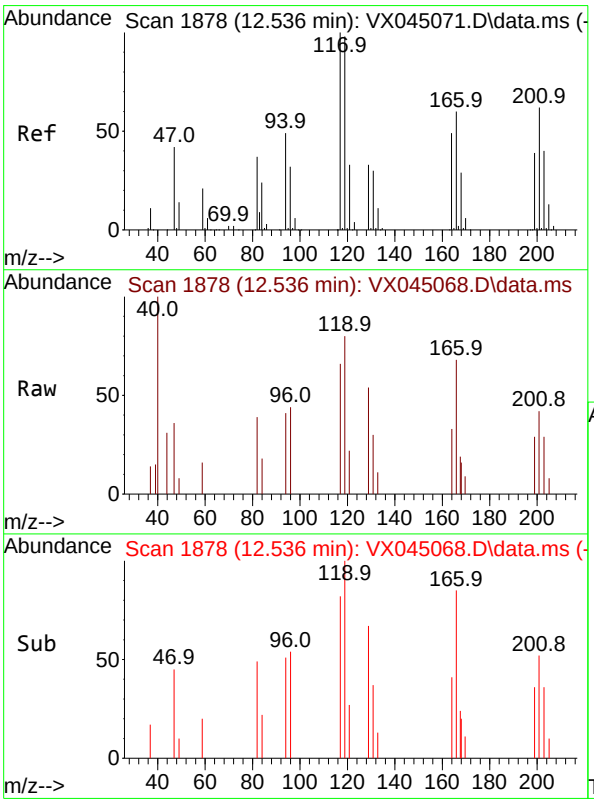
#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 2470

Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6

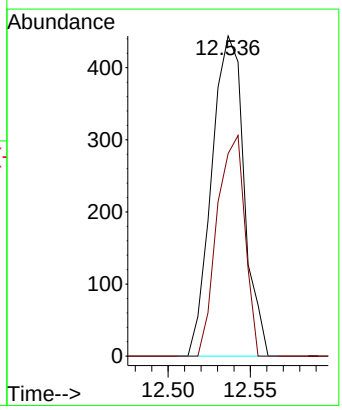


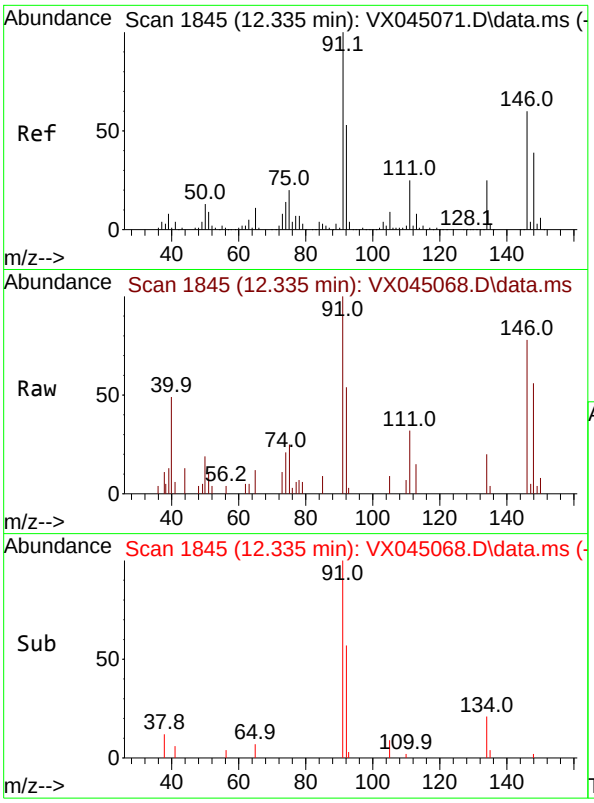


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9



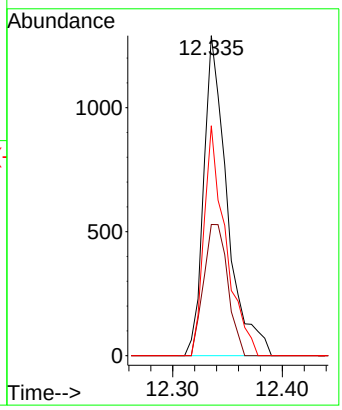


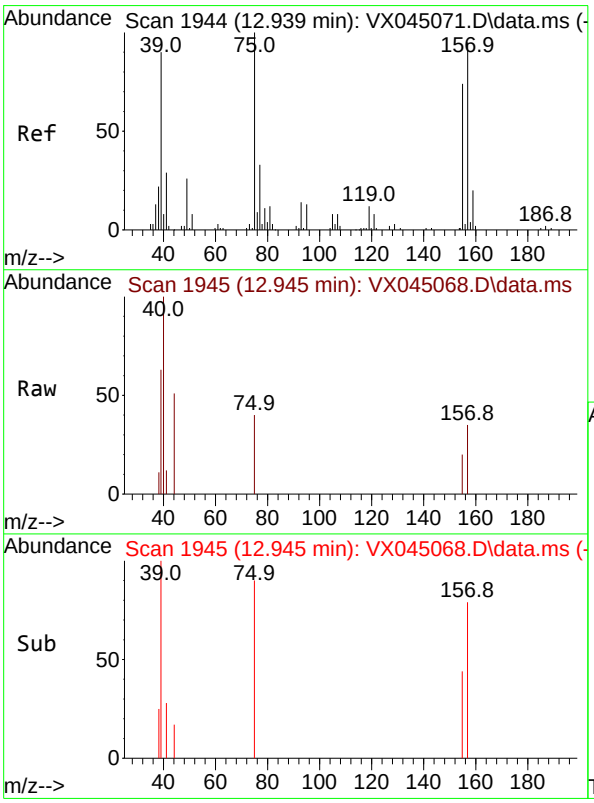
#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1918

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9

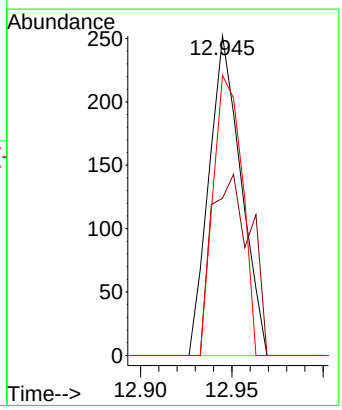


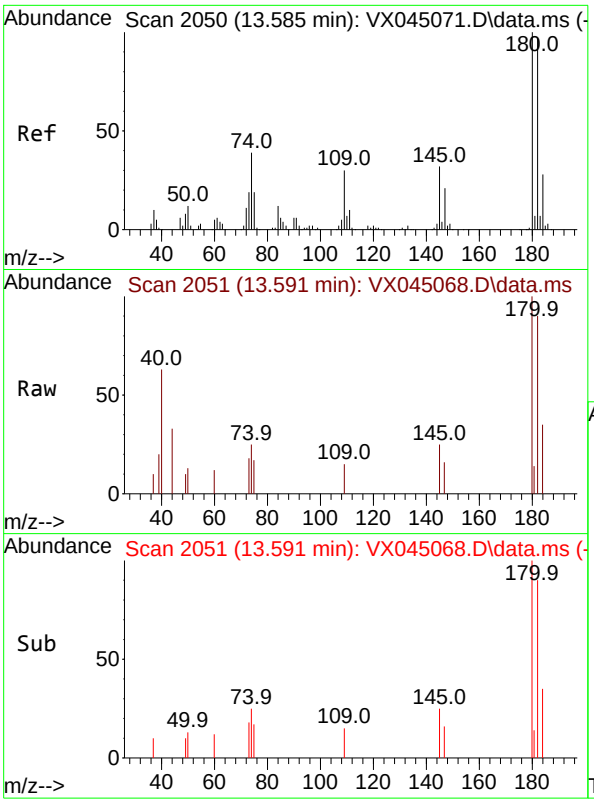


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4



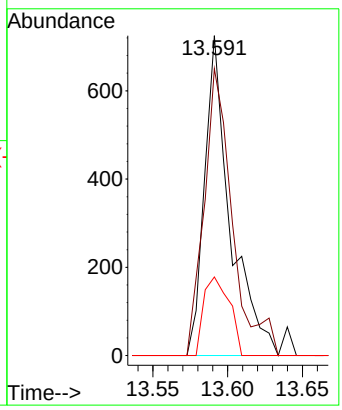


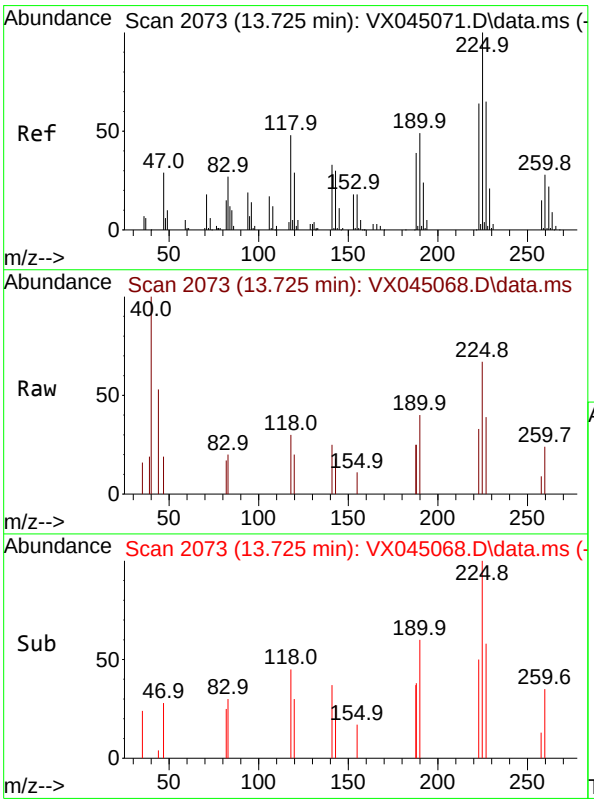
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 866

Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9

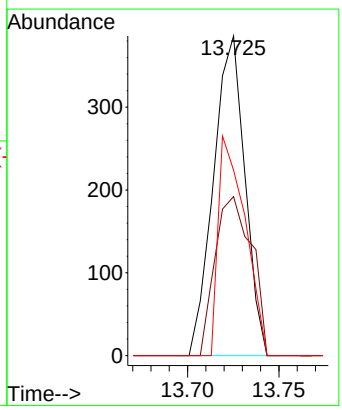


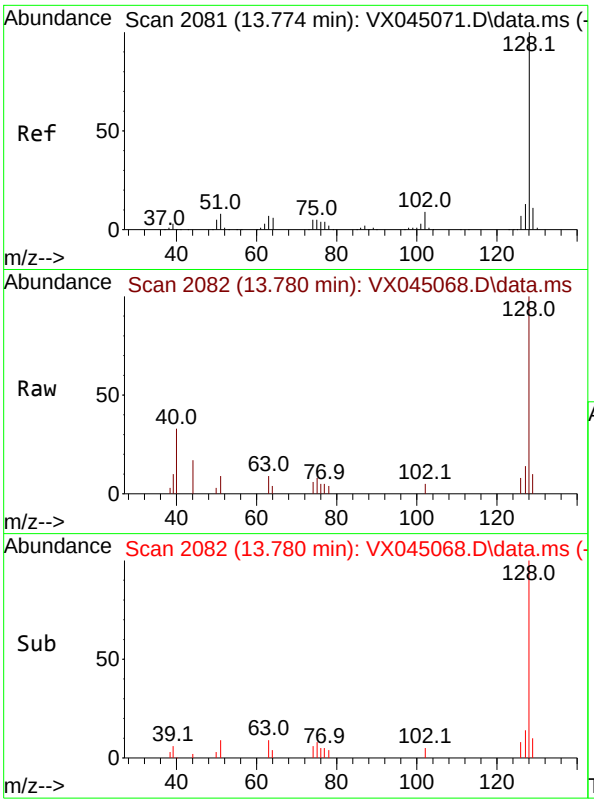


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0



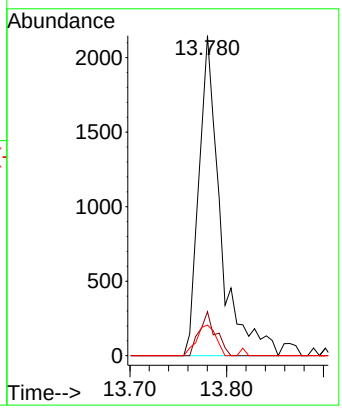


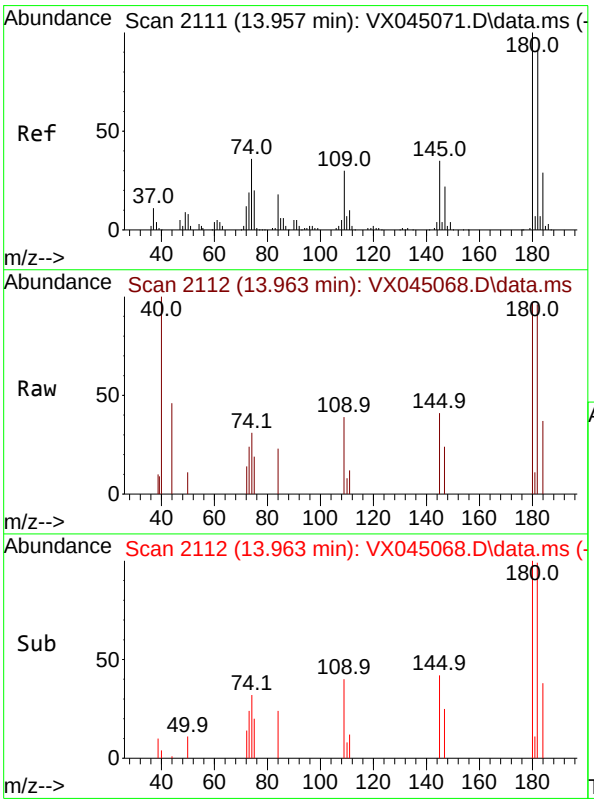
#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 3337

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#

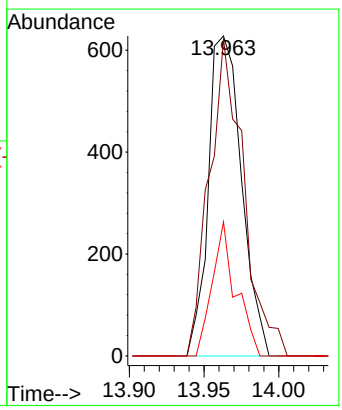




#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.080%#				
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.120%#				
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.360%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	7224	24.859	ug/l		99
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136 ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510 ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700 ug/l		99
44) Trichloroethene	7.129	130	6827	5.234 ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177 ug/l		95
46) Dibromomethane	7.586	93	5146	5.195 ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100 ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224 ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303 ug/l		99
52) Toluene	8.720	92	16933	4.997 ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985 ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244 ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151 ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628 ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527 ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363 ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846 ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161 ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128 ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781 ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725 ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608 ug/l		97
69) o-Xylene	10.640	106	11881	4.914 ug/l		95
70) Styrene	10.659	104	18278	4.704 ug/l		99
71) Bromoform	10.799	173	4027	4.541 ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991 ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300 ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	10159	6.189 ug/l		89
77) Bromobenzene	11.195	156	6970	5.163 ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694 ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256 ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761 ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910 ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960 ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687 ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532 ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926 ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014 ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072 ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052 ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138 ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712 ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114 ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640 ug/l		97
95) Naphthalene	13.780	128	22927	4.287 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437 ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

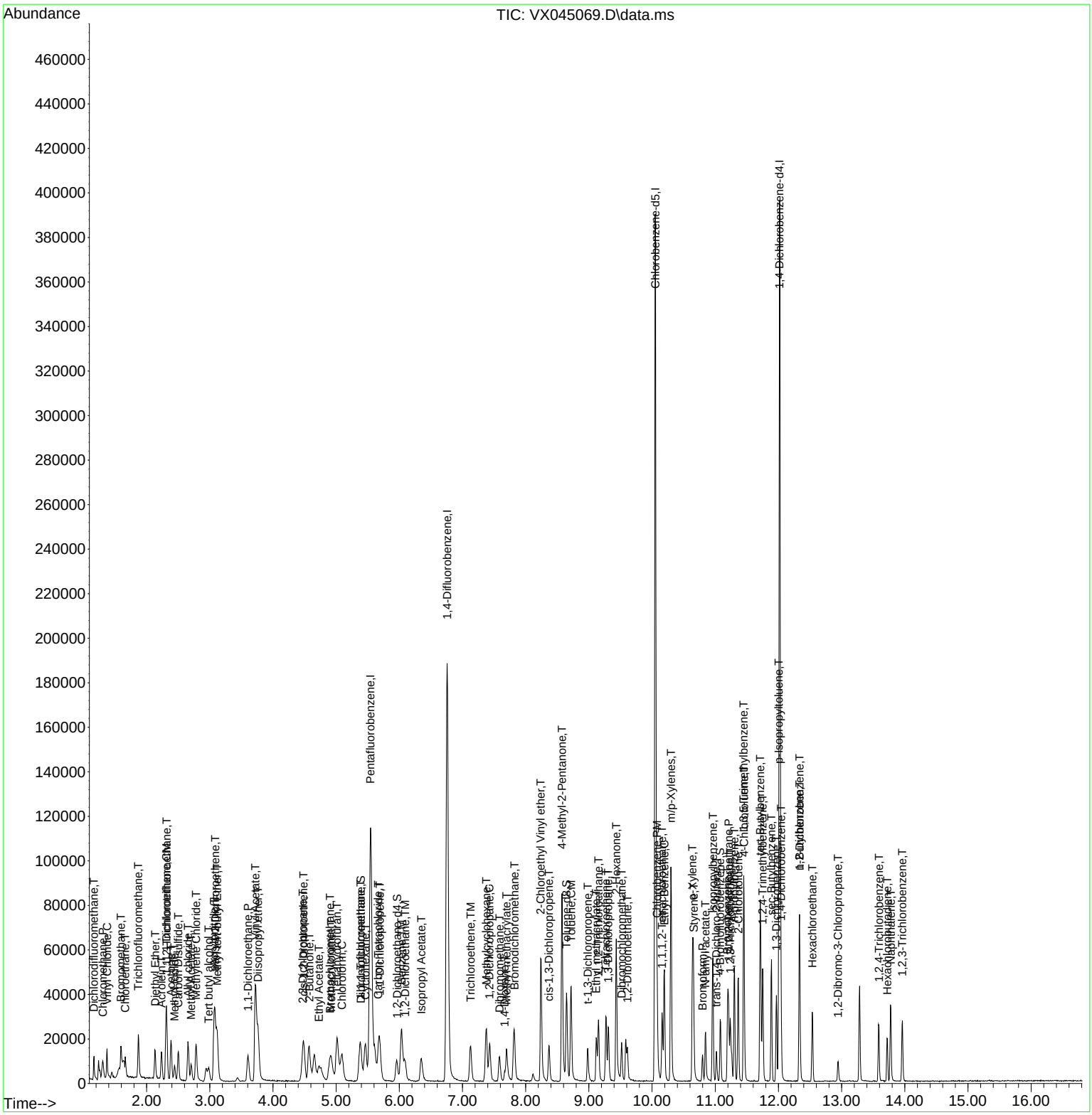
(#) = qualifier out of range (m) = manual integration (+) = signals summed

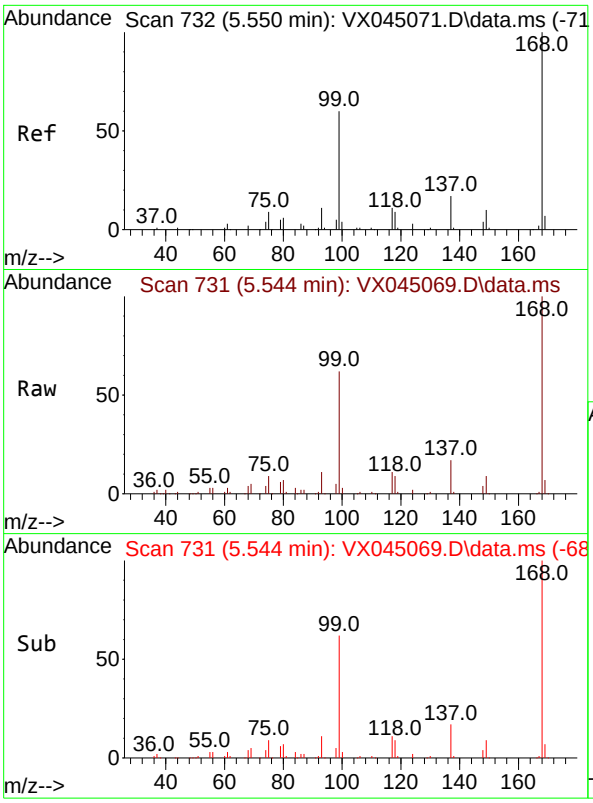
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



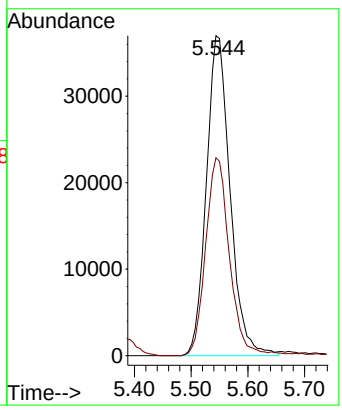


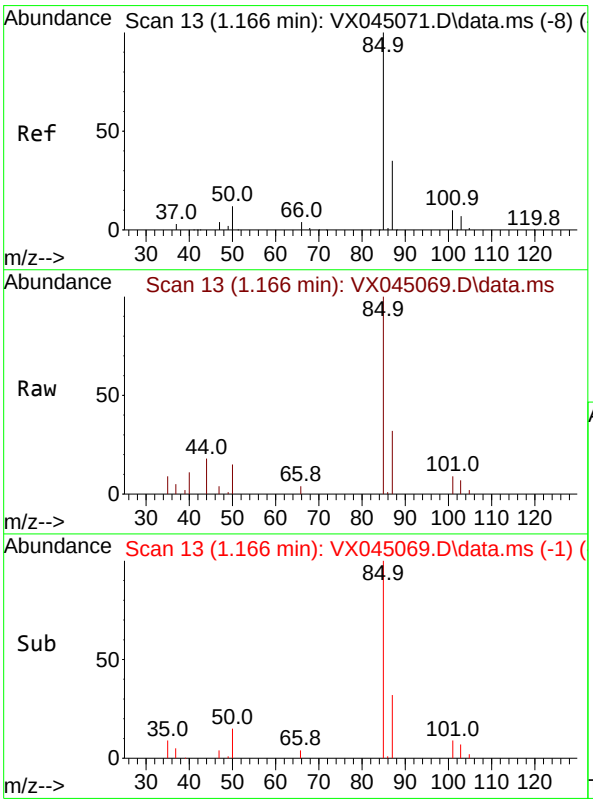
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 107391

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

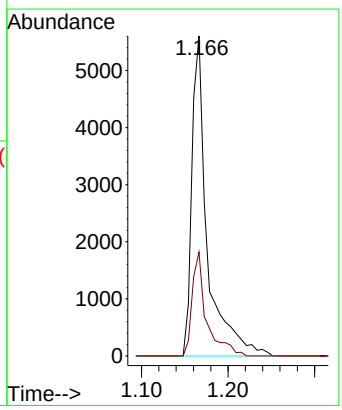


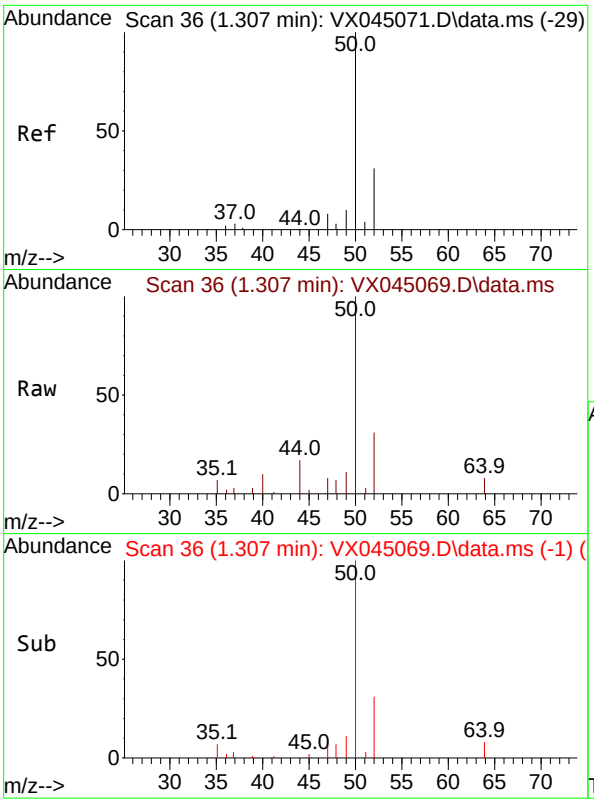


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3



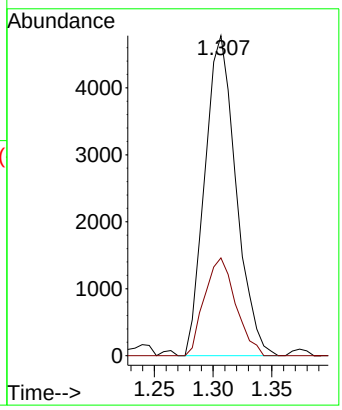


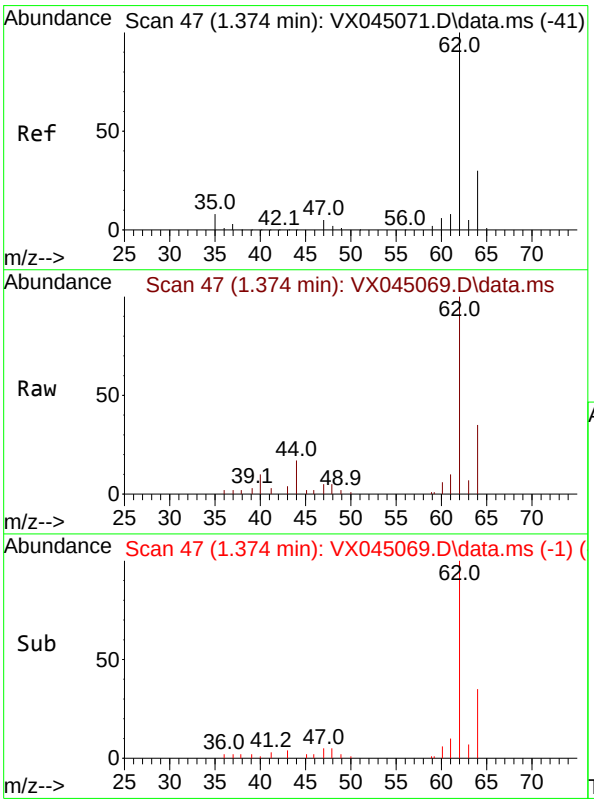
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 8819

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4

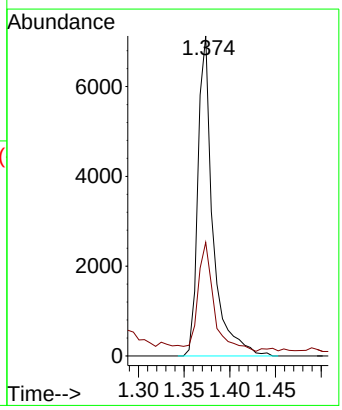


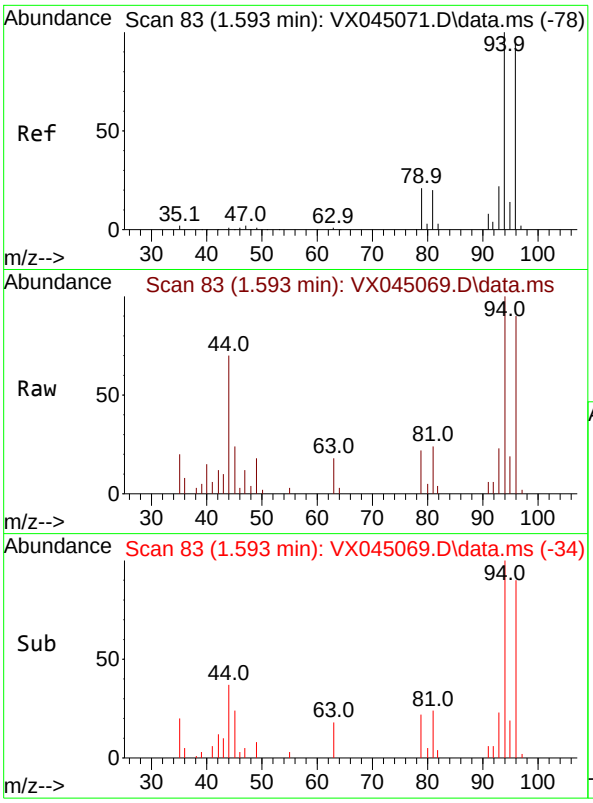


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5



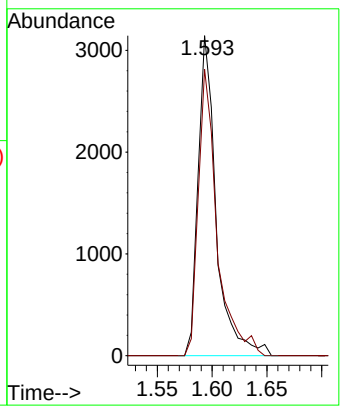


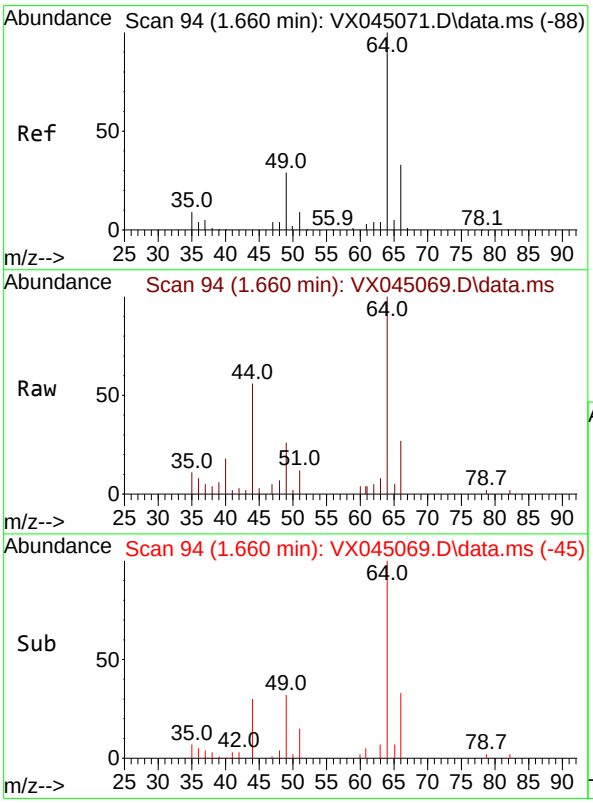
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4

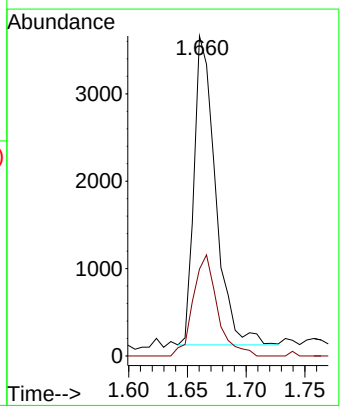


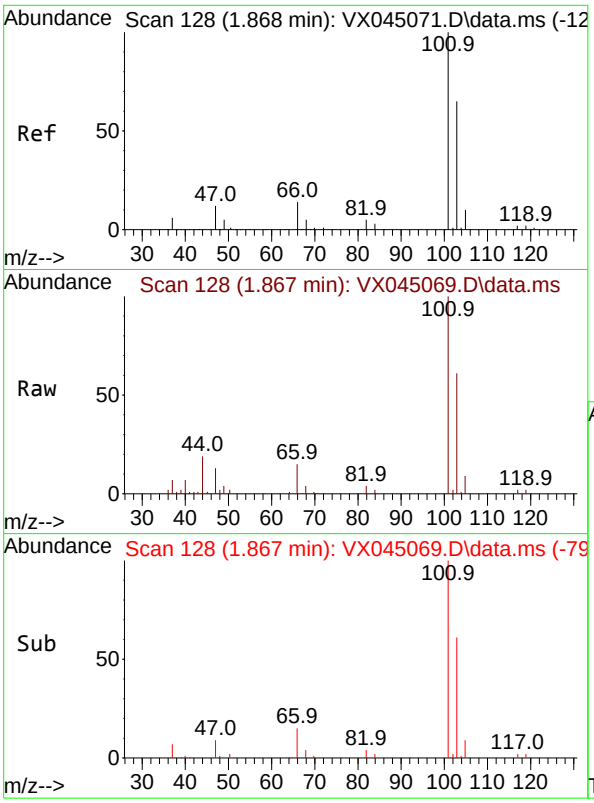


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1



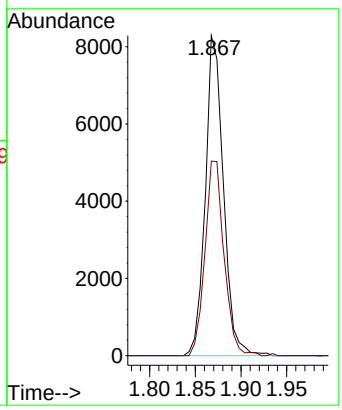


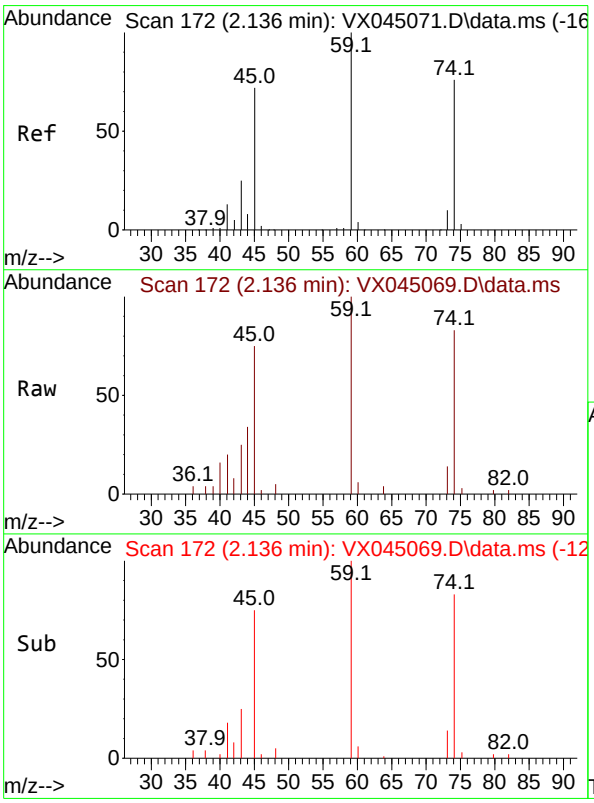
#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11392

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1

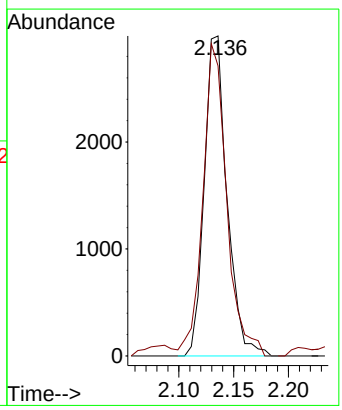


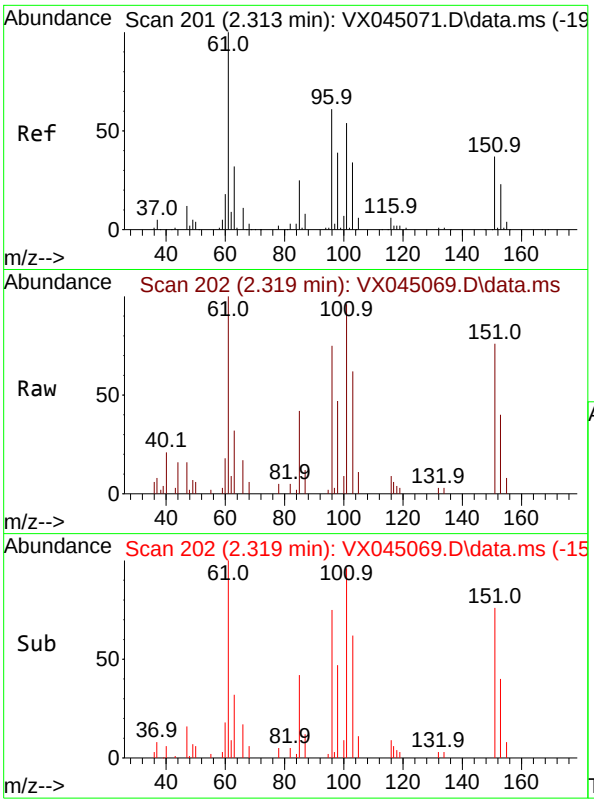


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5



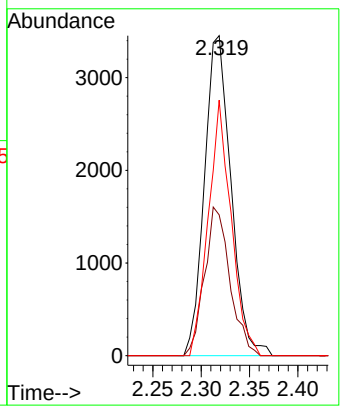


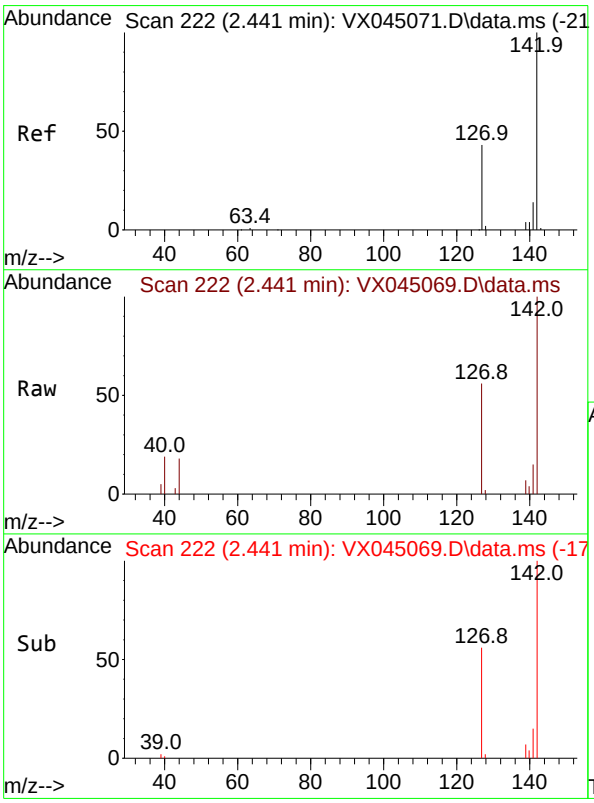
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 6586

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

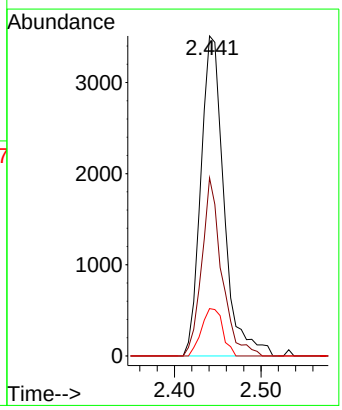


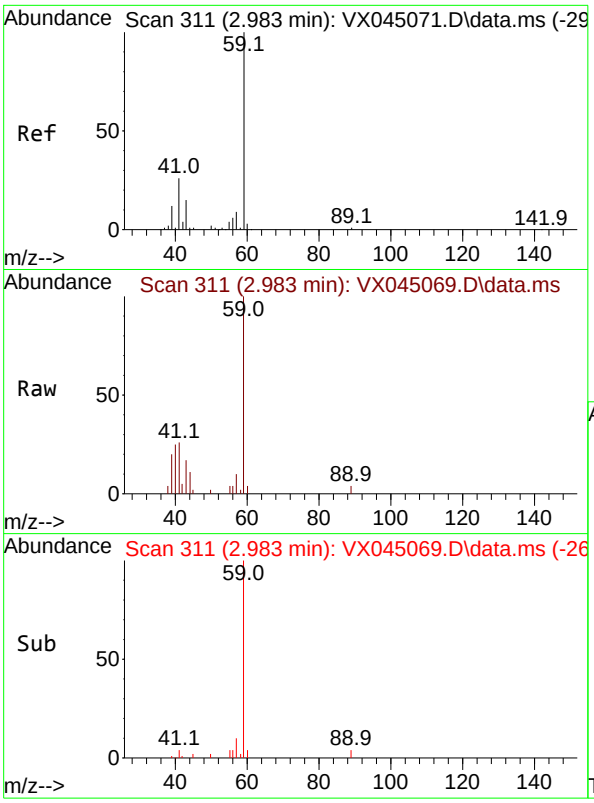


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4



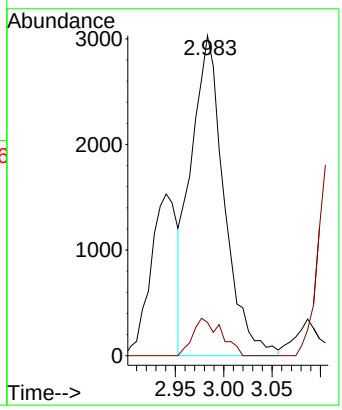


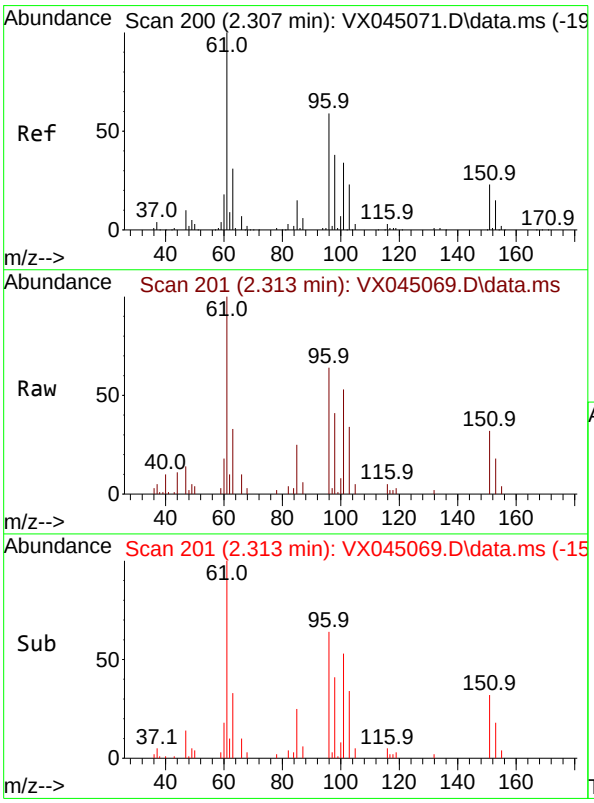
#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7224

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

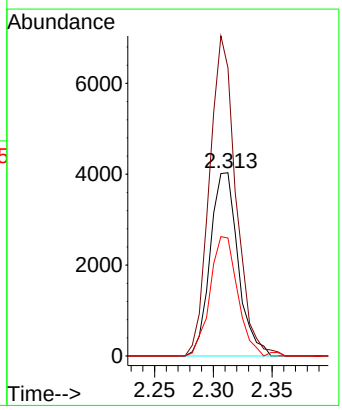


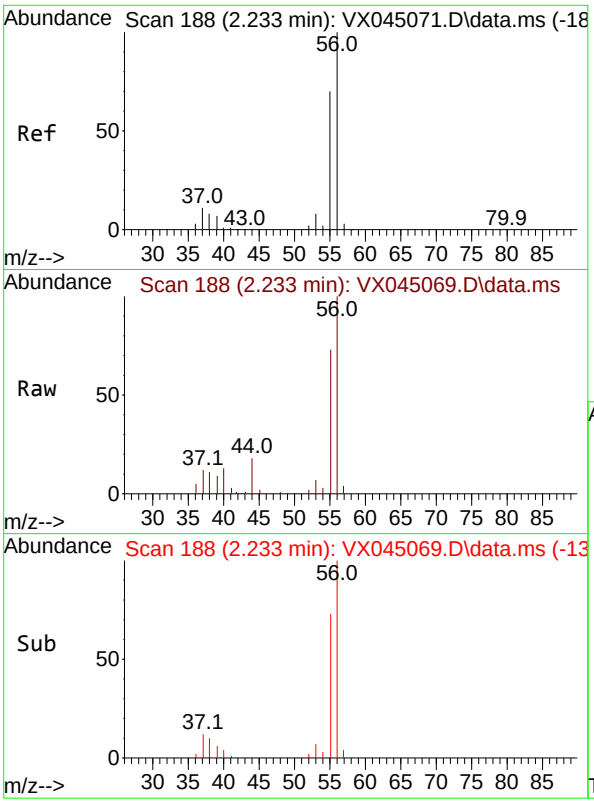


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6



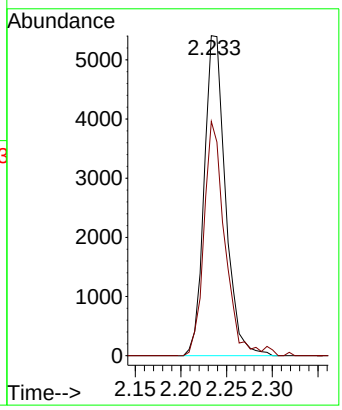


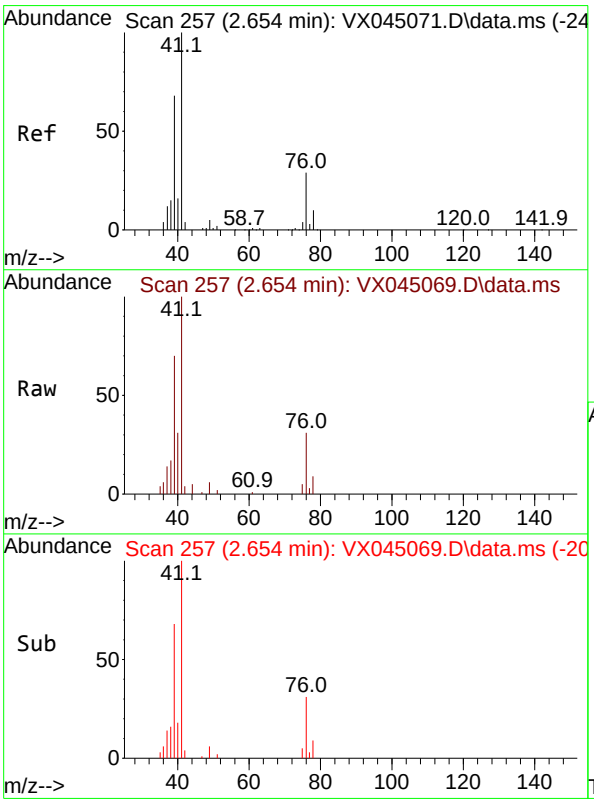
#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

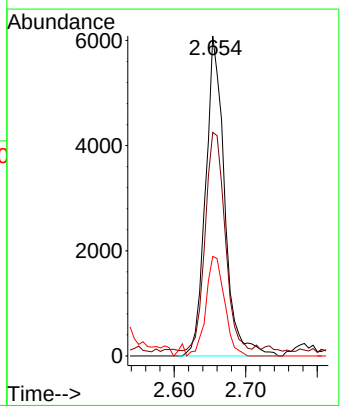


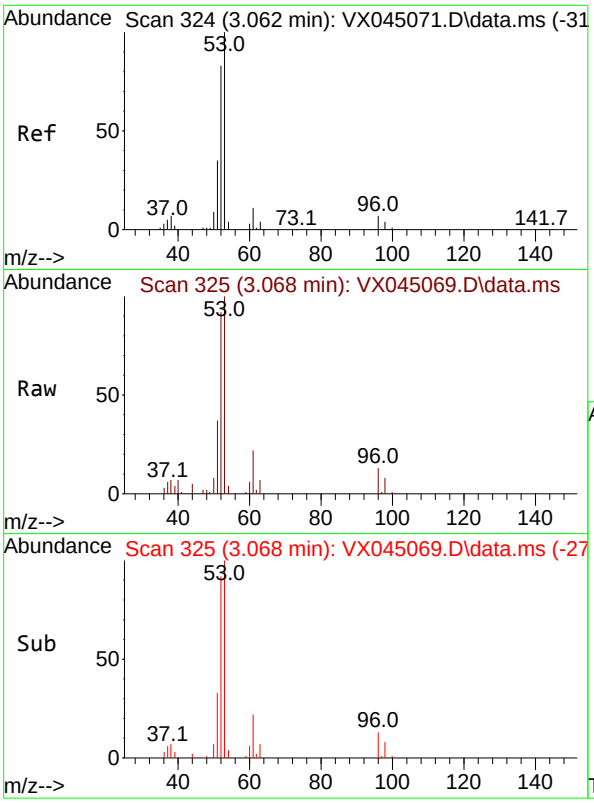


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8



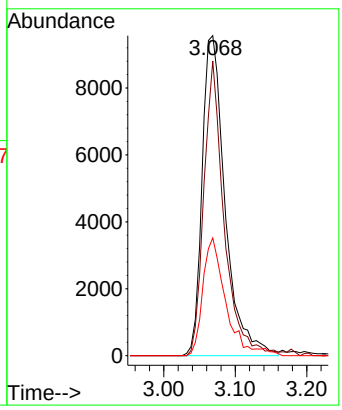


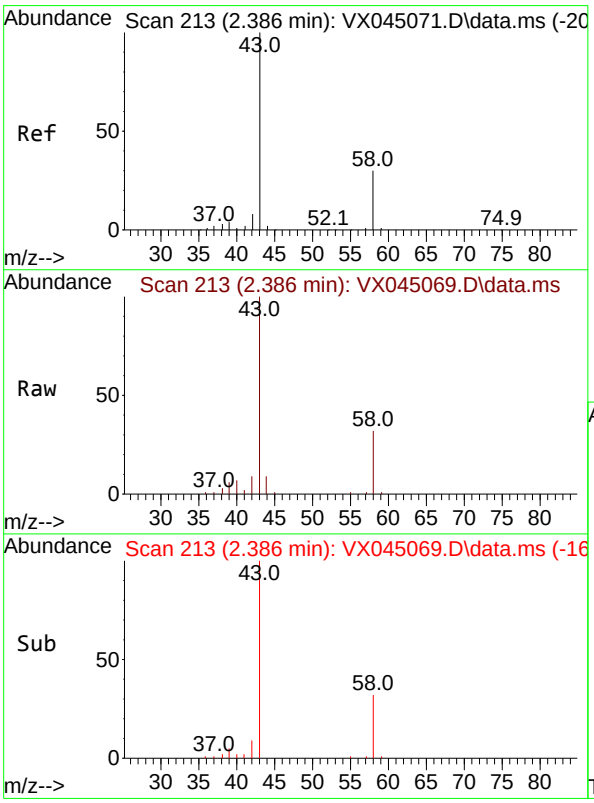
#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 21381

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4

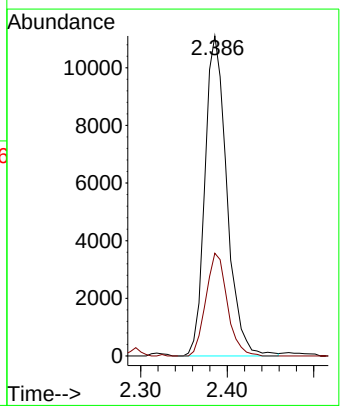


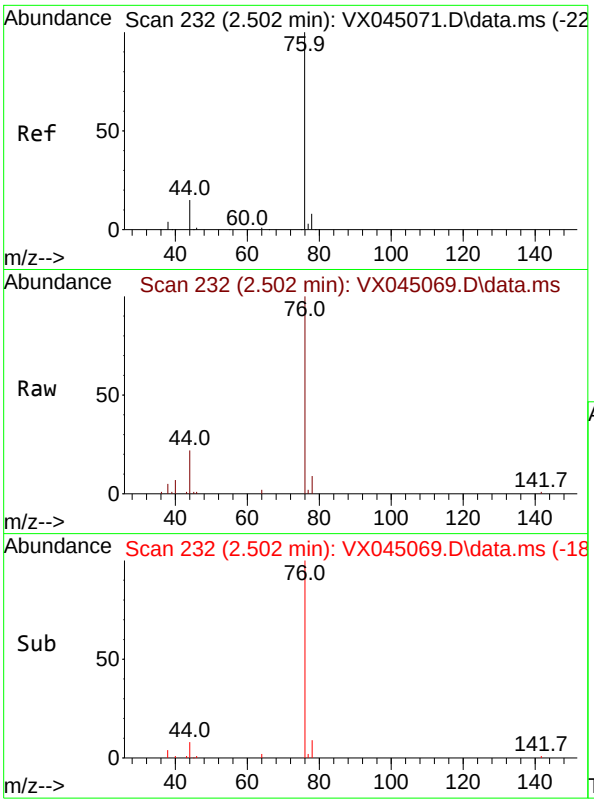


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



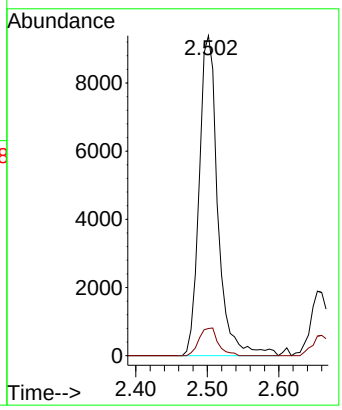


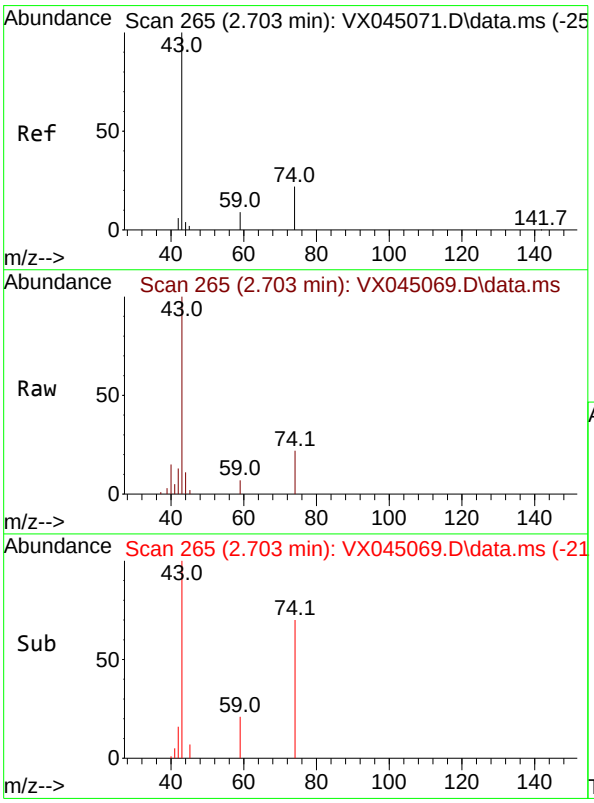
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

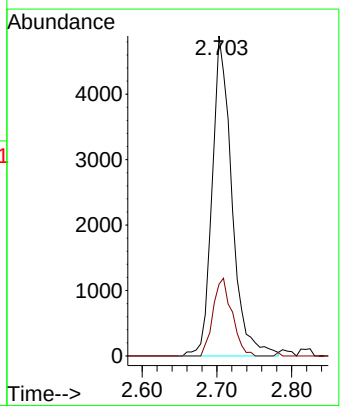


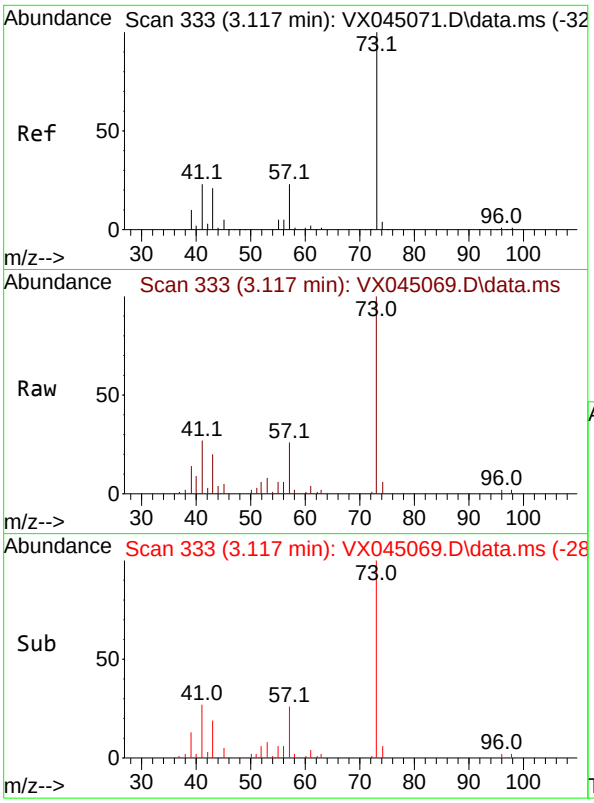


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2



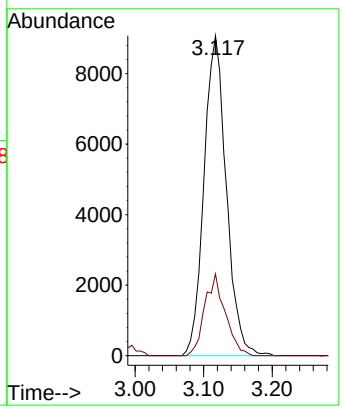


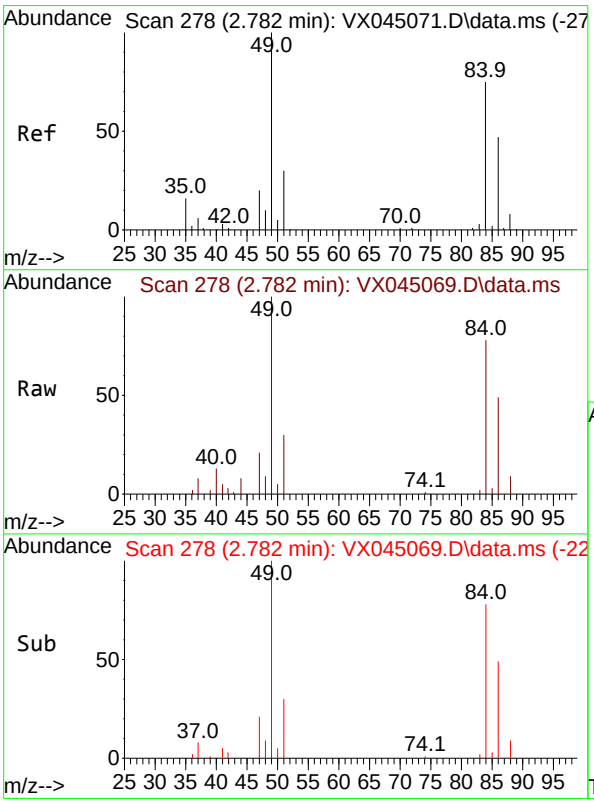
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20546

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

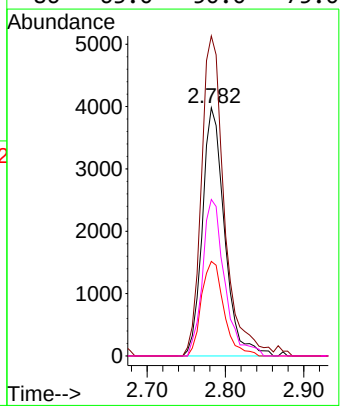


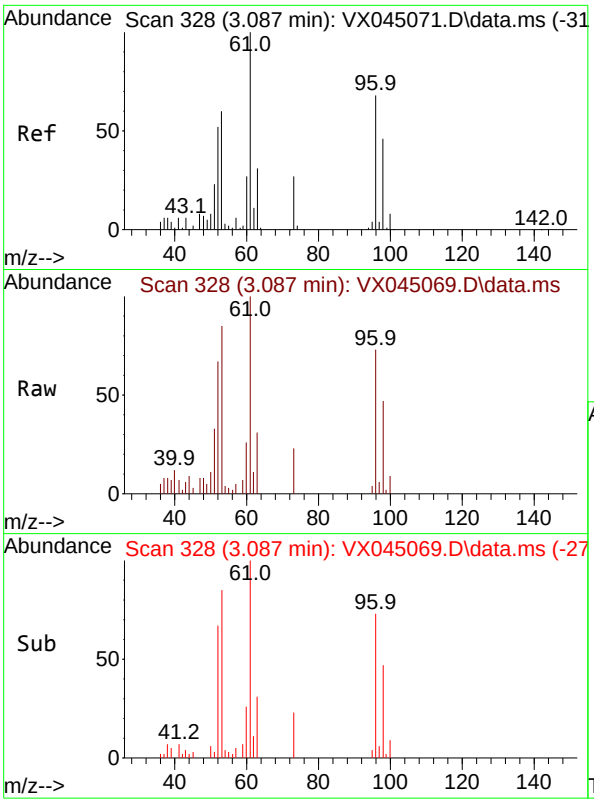


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0



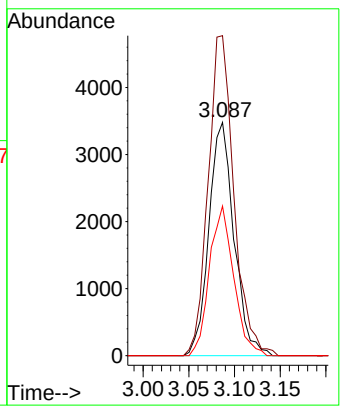


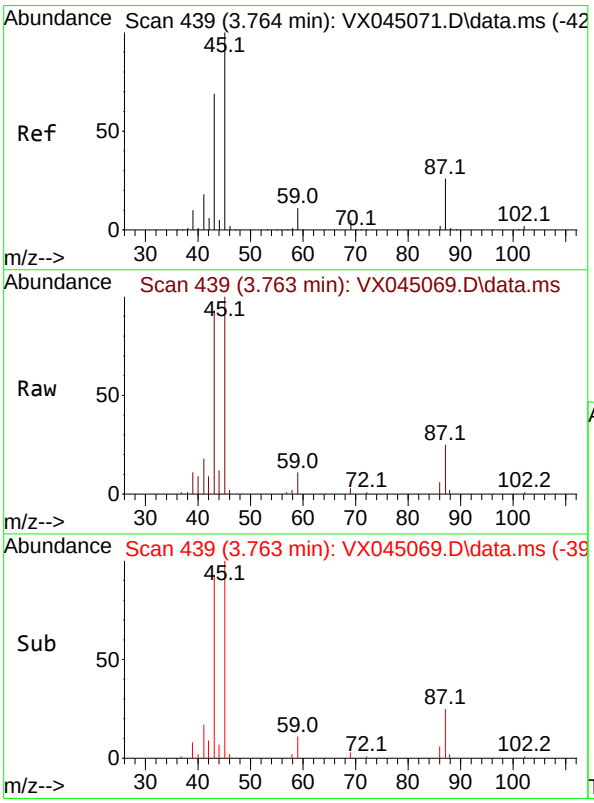
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 6651

Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2

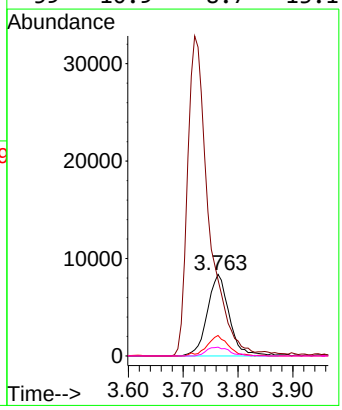


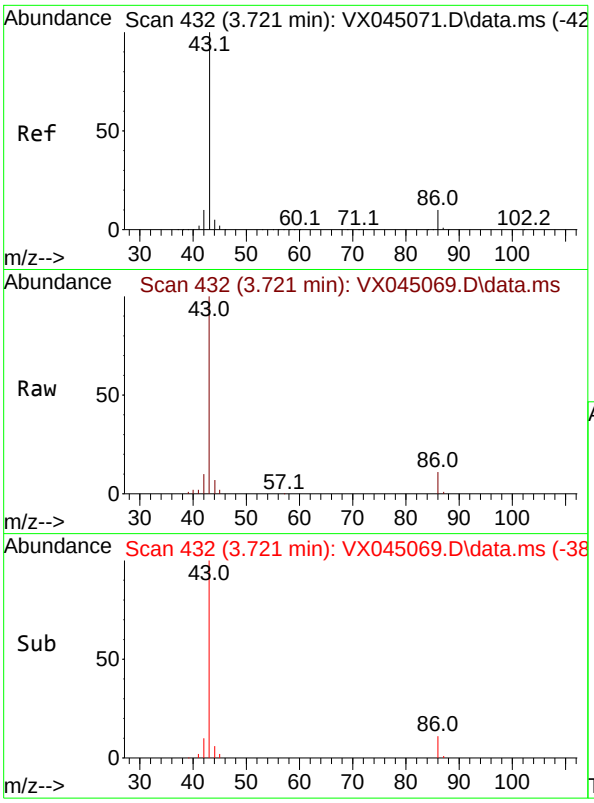


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1



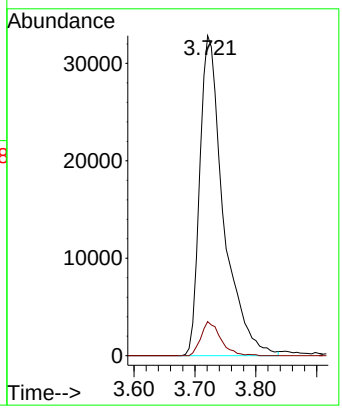


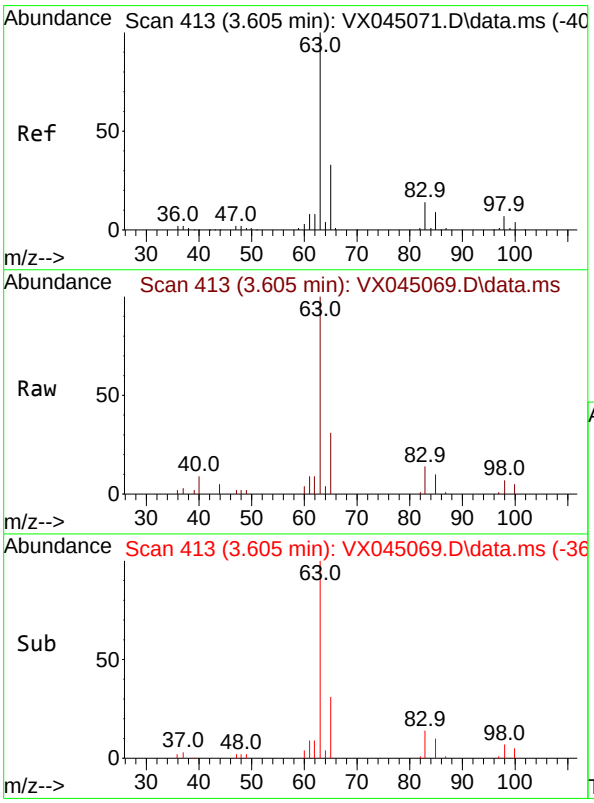
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 88852

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

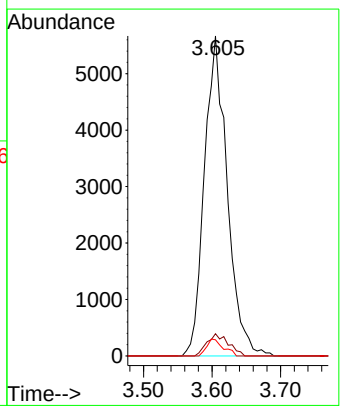


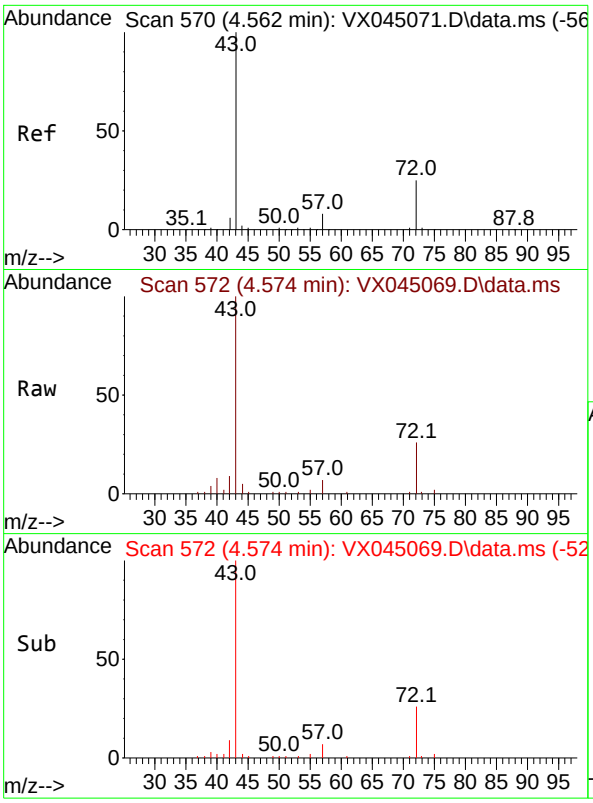


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5



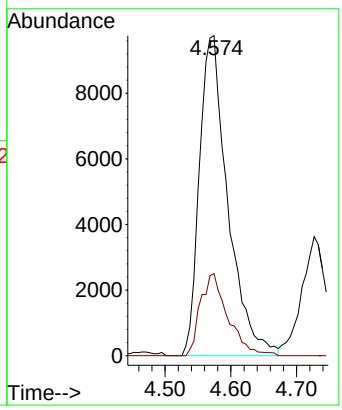


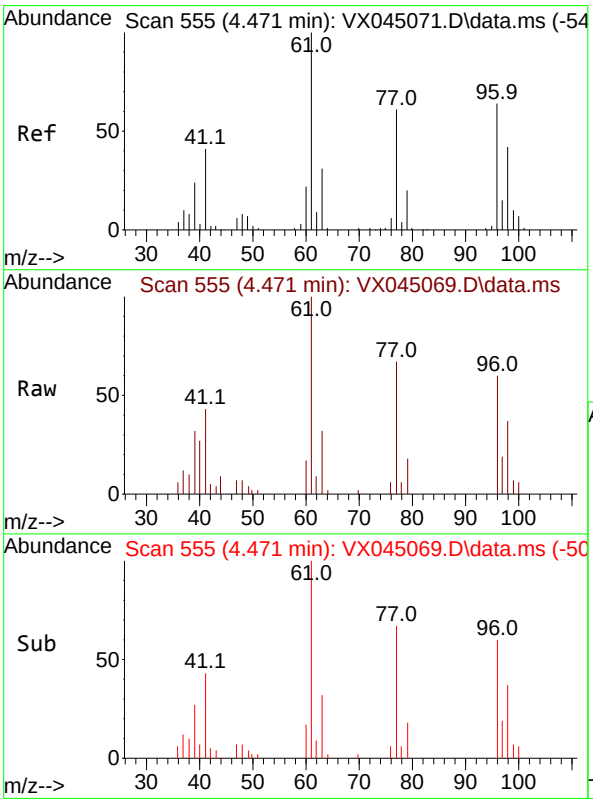
#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

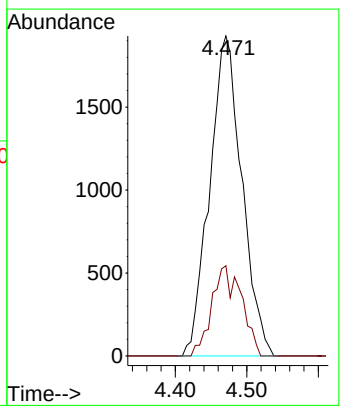


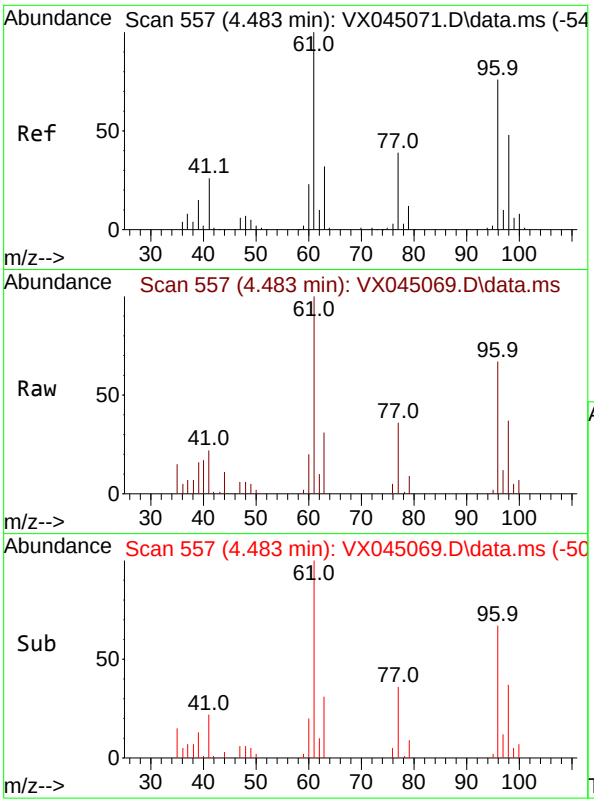


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0



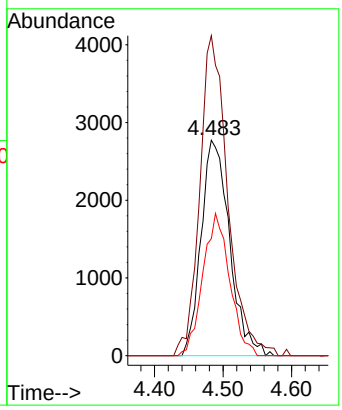


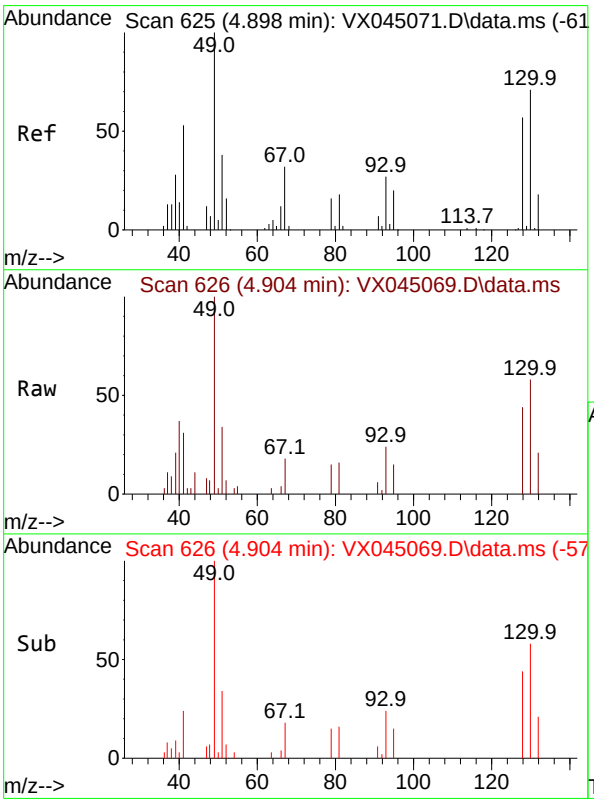
#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8012

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0

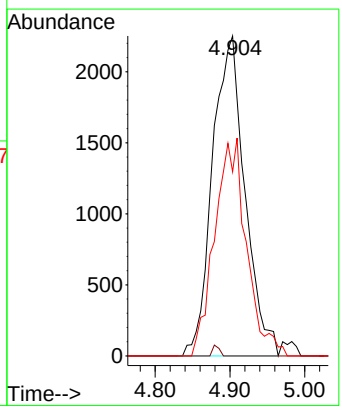


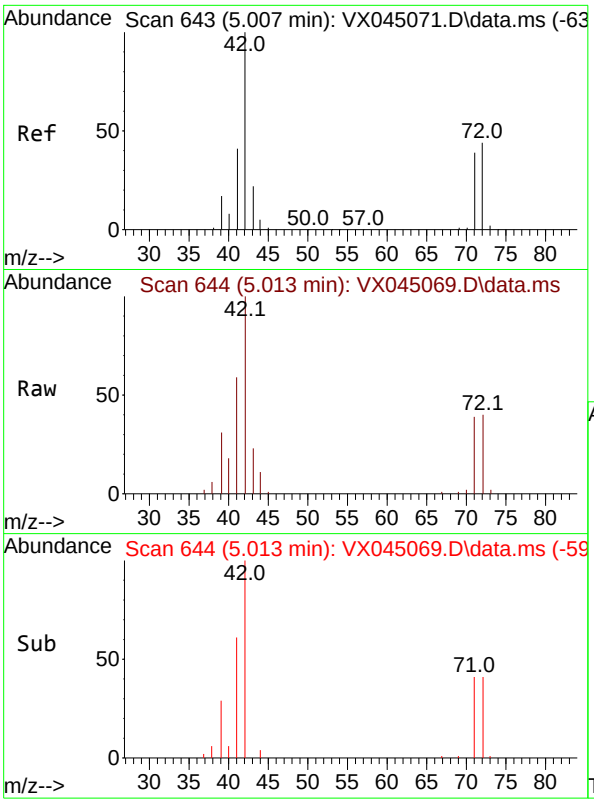


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1



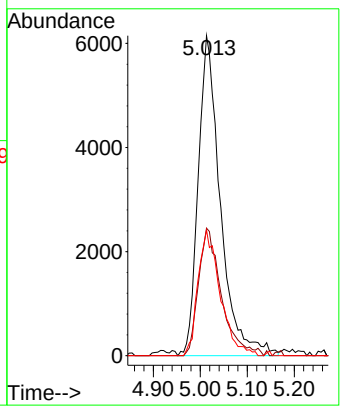


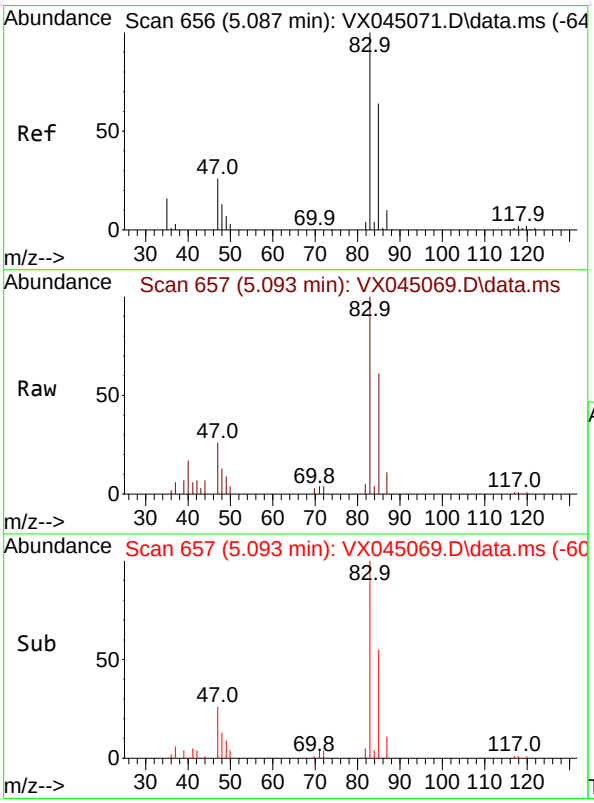
#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 20186

Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

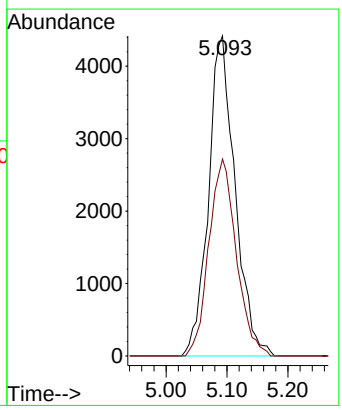


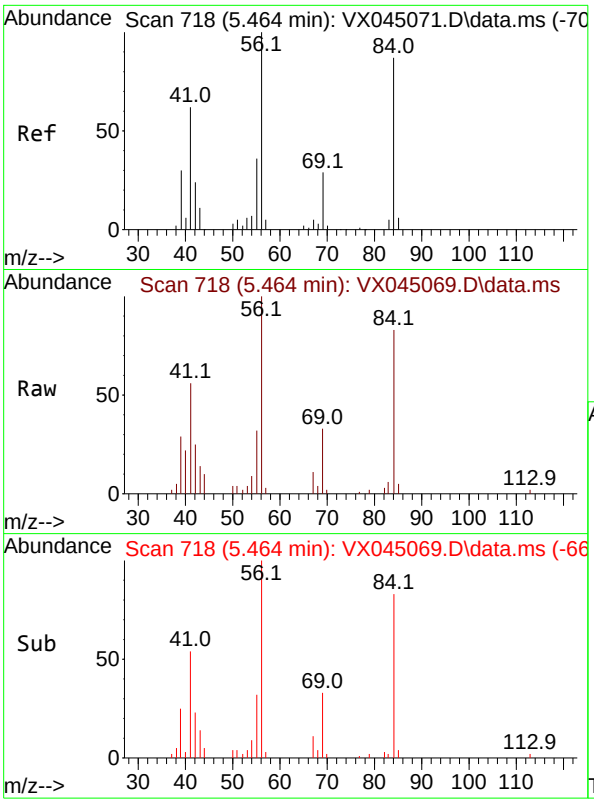


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2



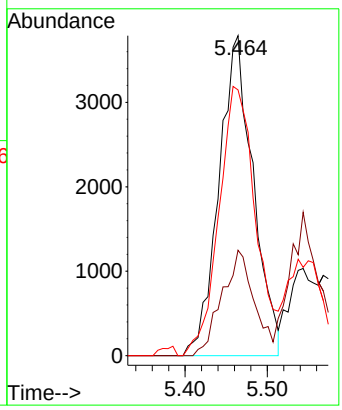


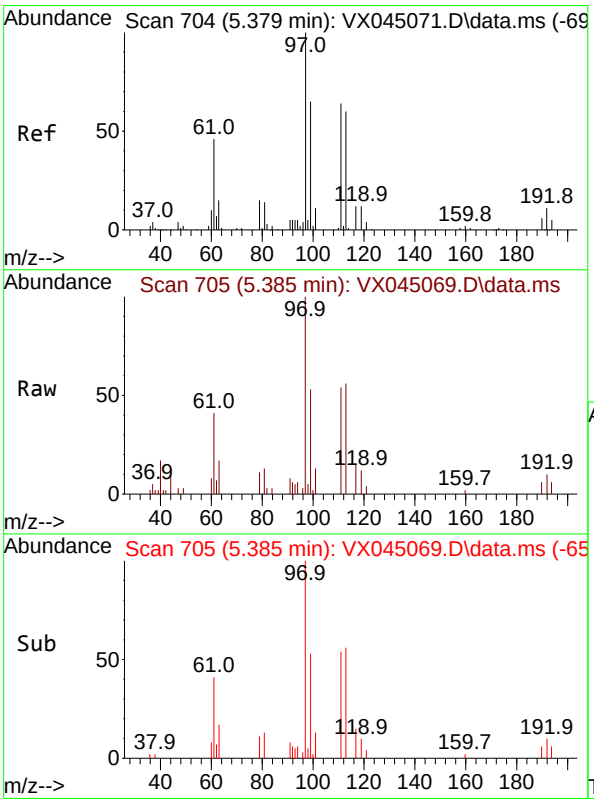
#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 10968

Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2

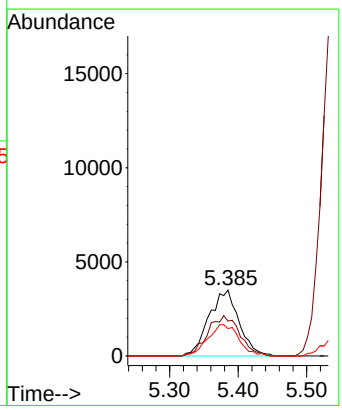


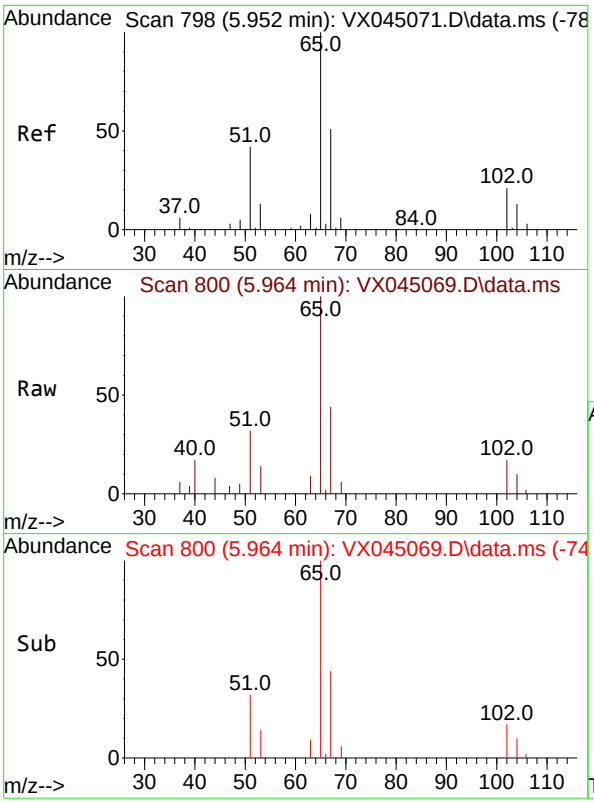


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6



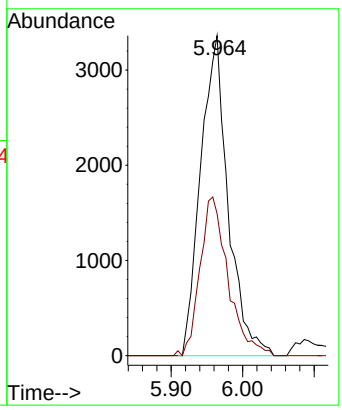


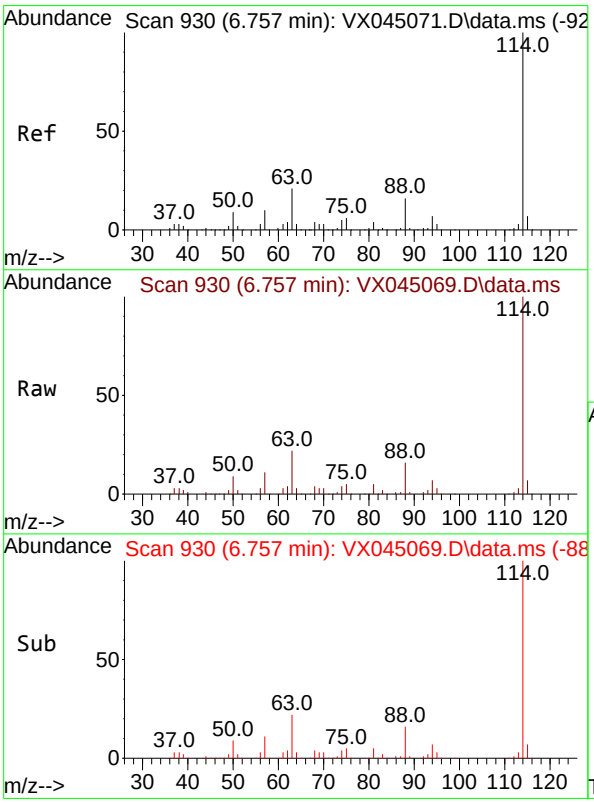
#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8978

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

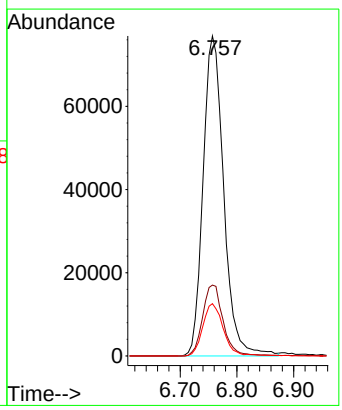


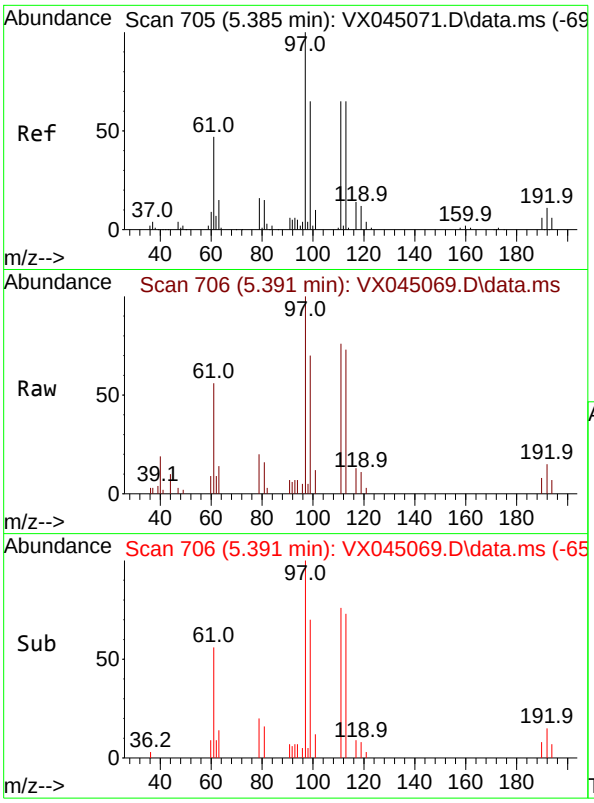


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

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



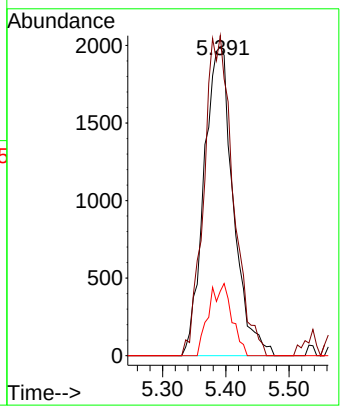


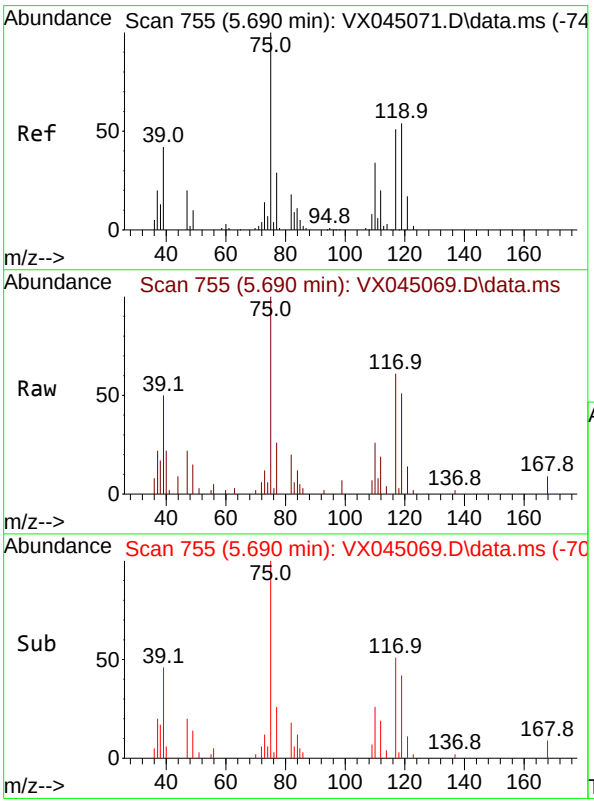
#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 6398

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5

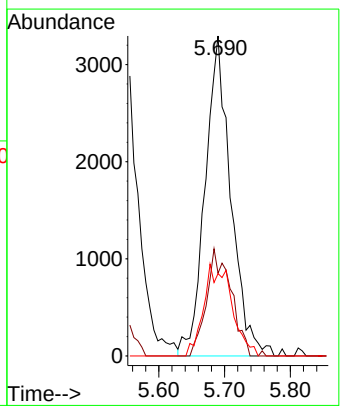


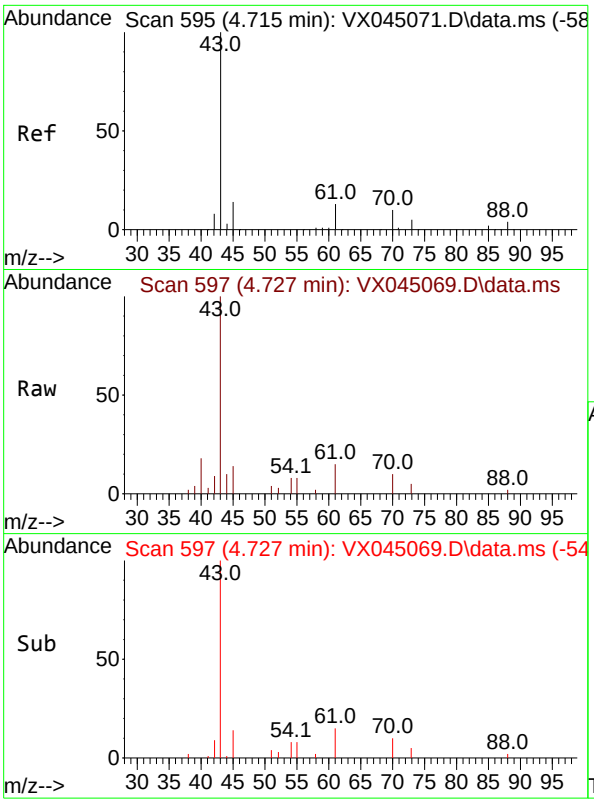


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#



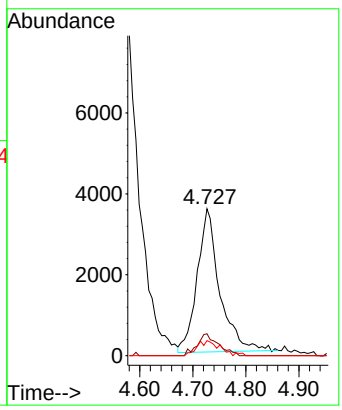


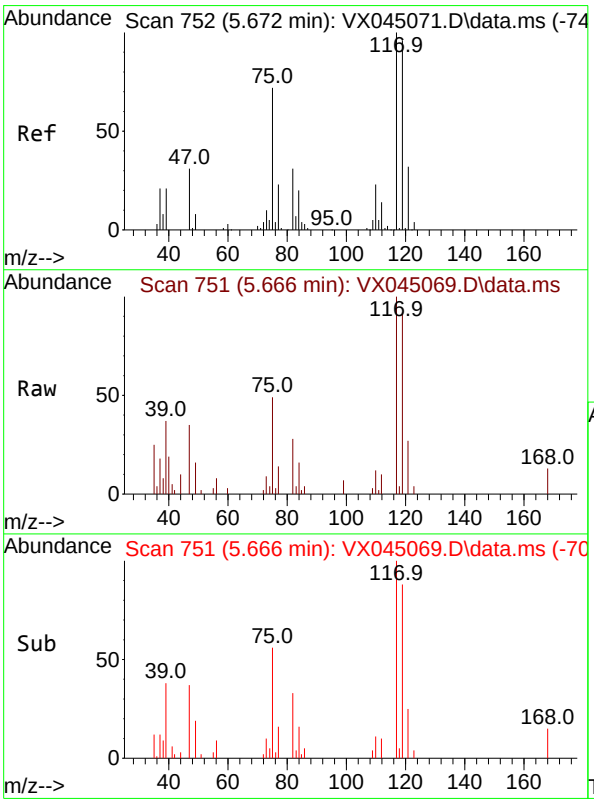
#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 10459

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5

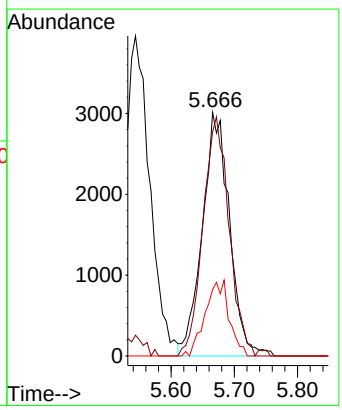


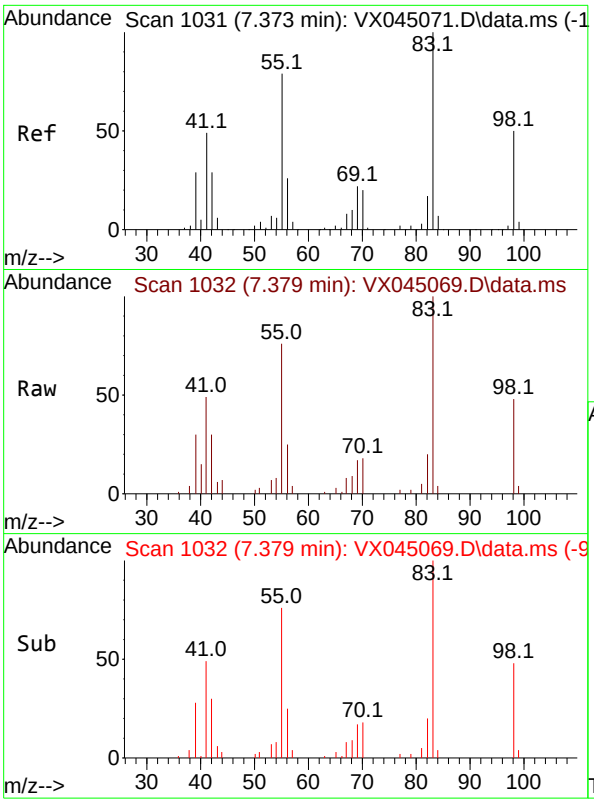


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3



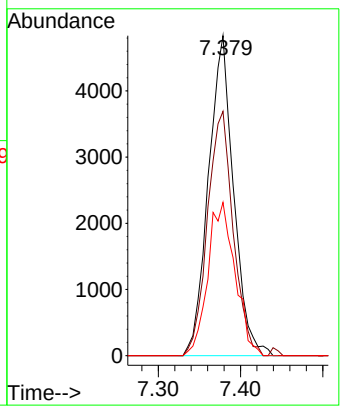


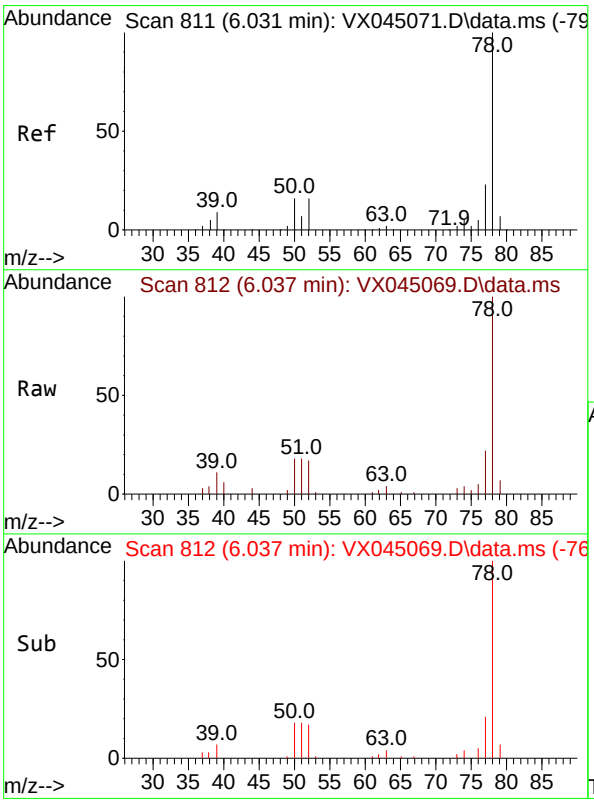
#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10291

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5

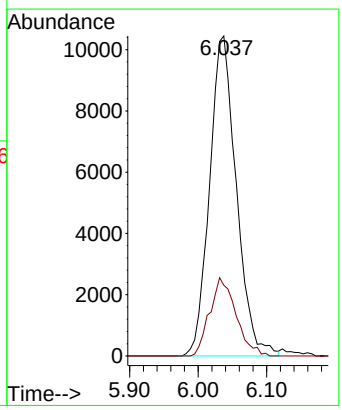


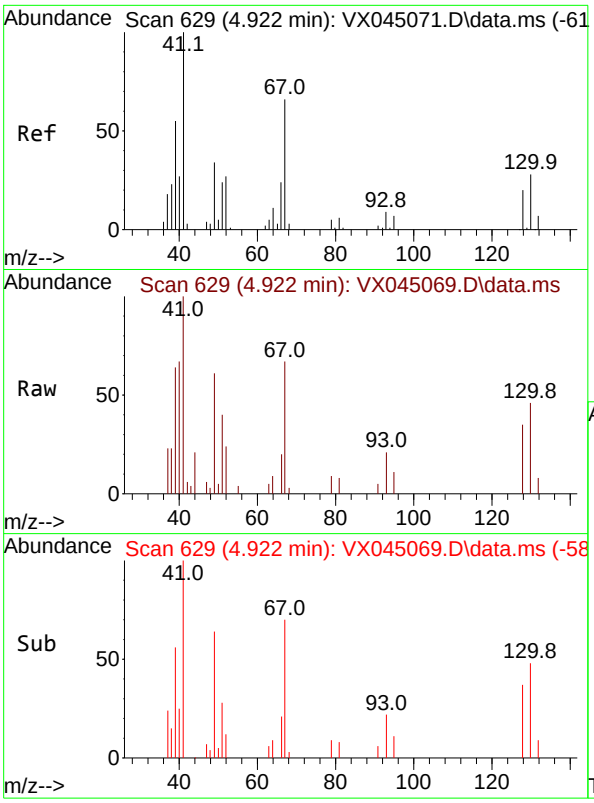


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2



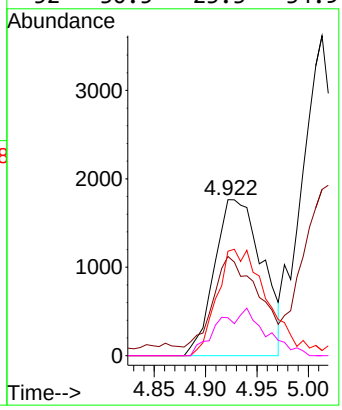


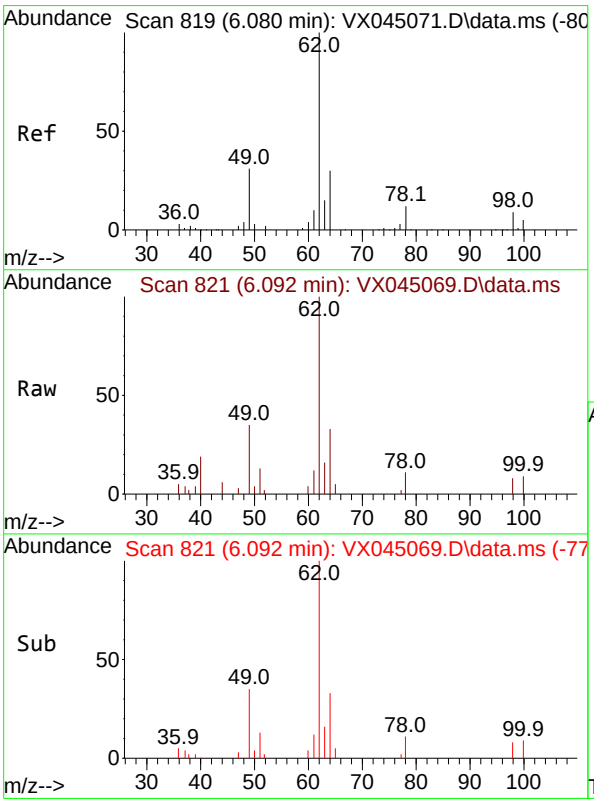
#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5700

Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9

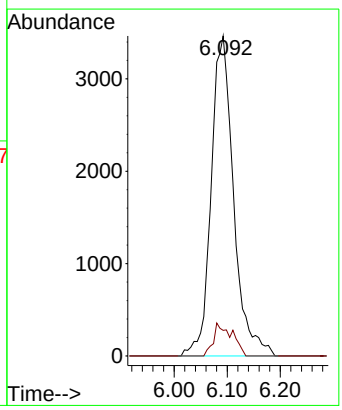


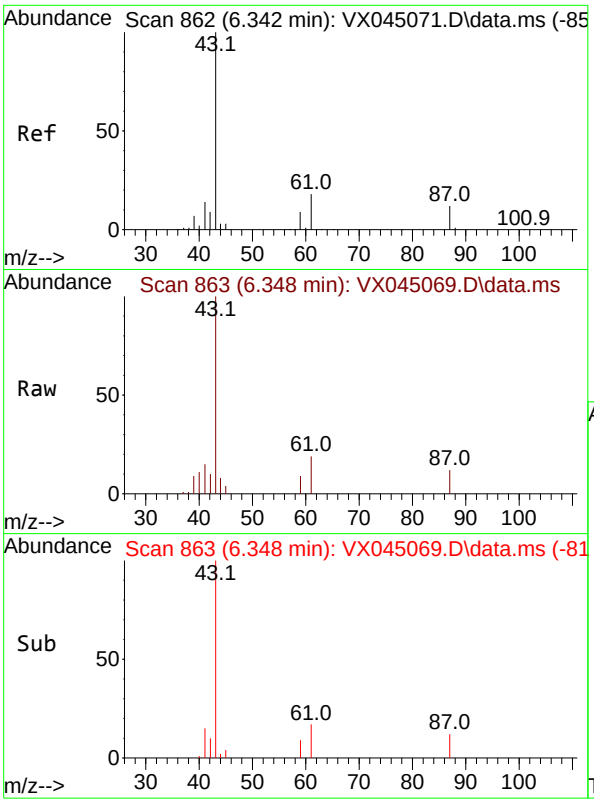


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



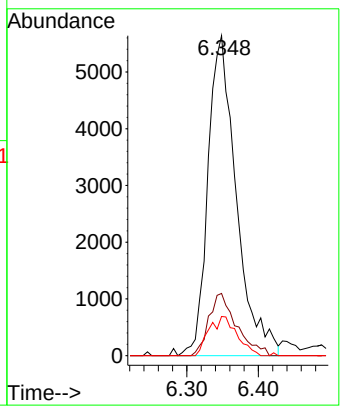


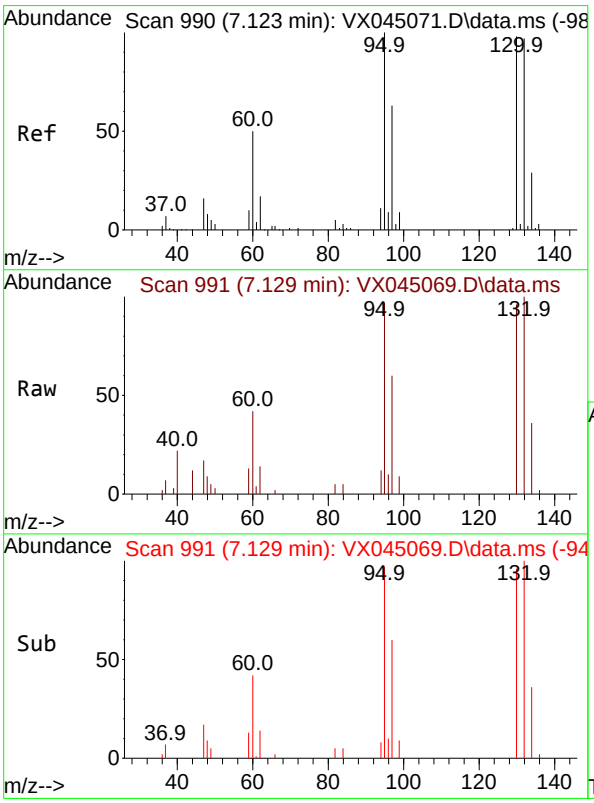
#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15543

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2

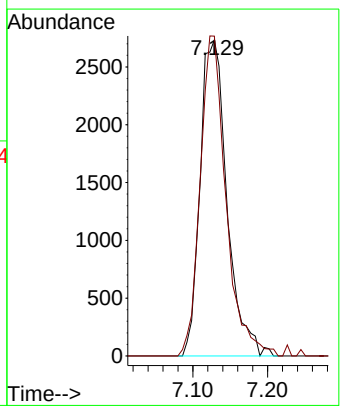


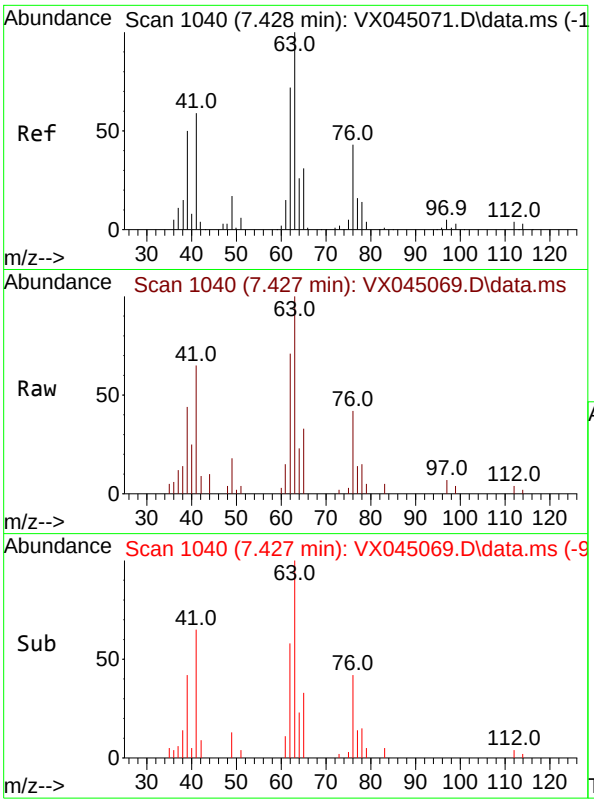


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



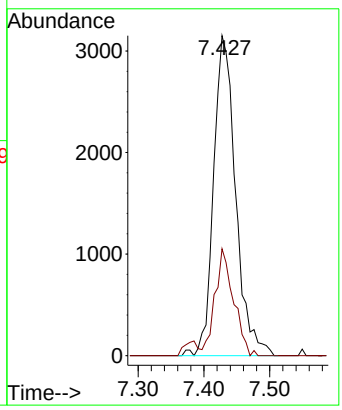


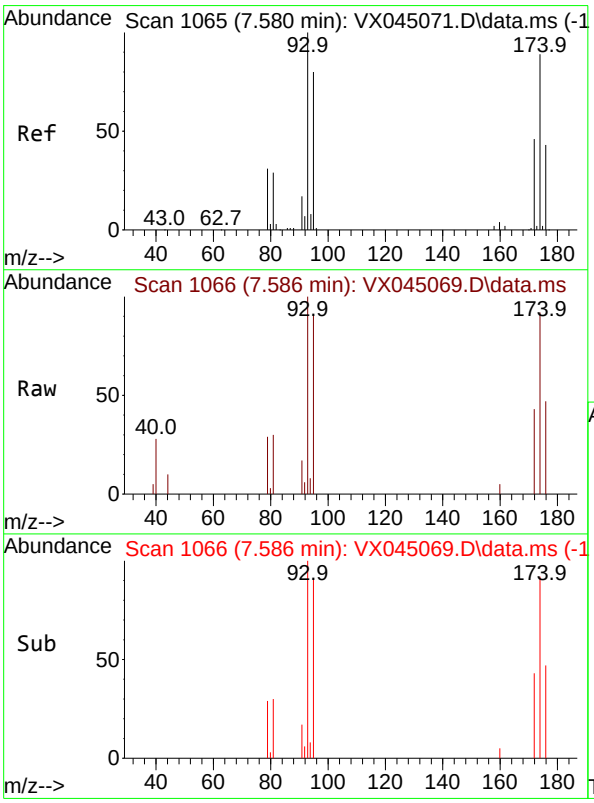
#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 7342

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

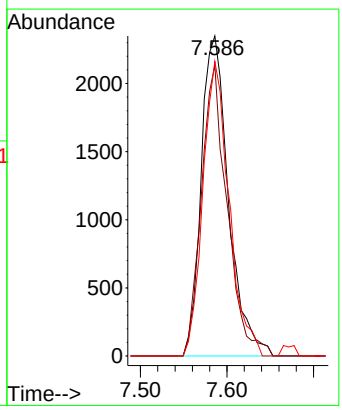


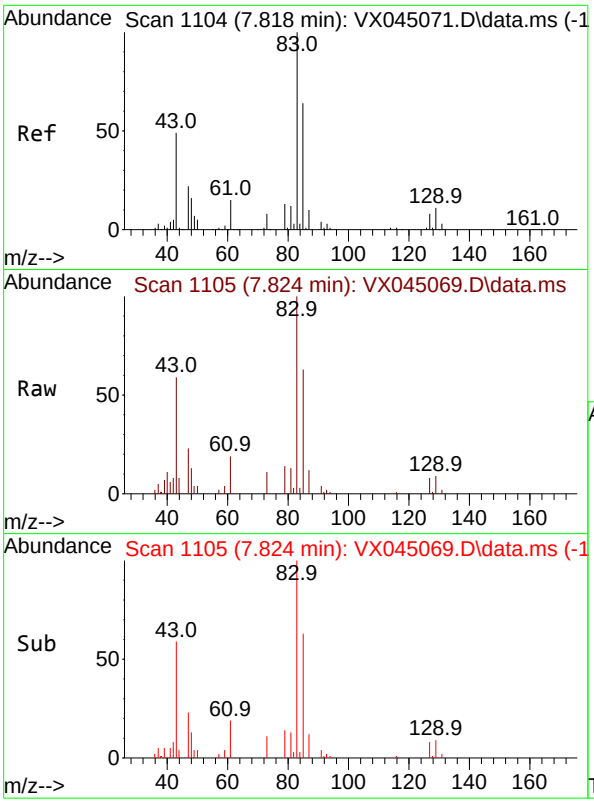


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2



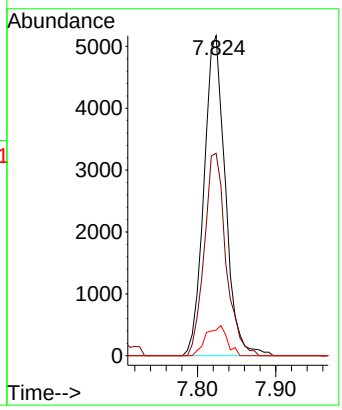


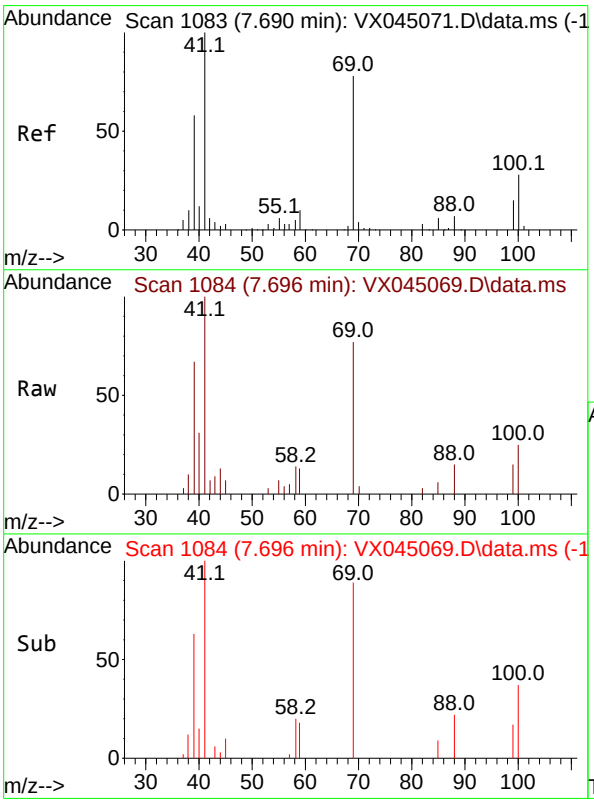
#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9773

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

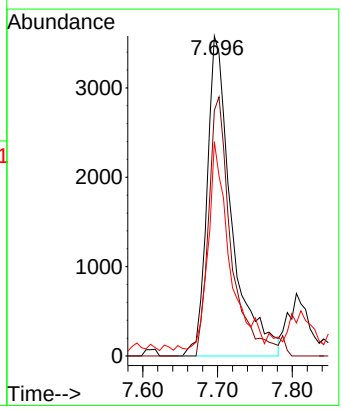


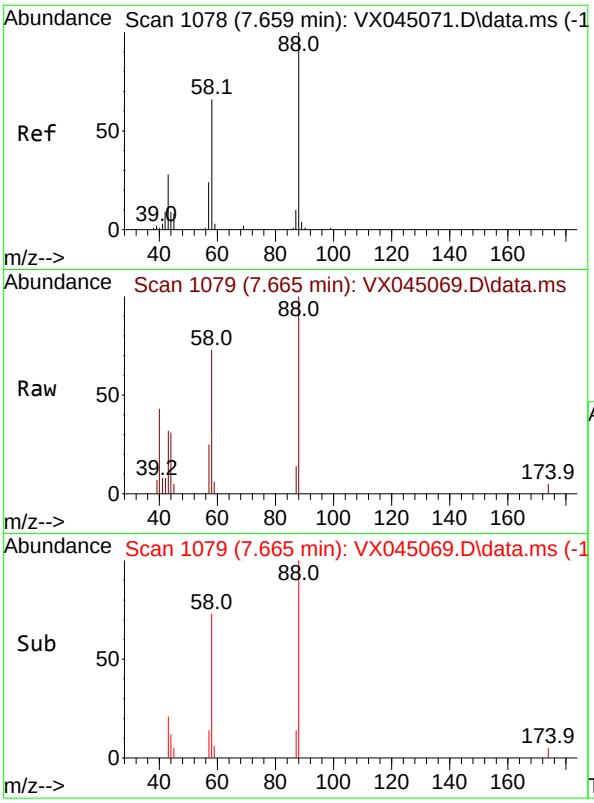


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3



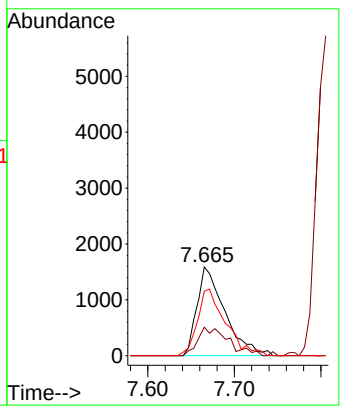


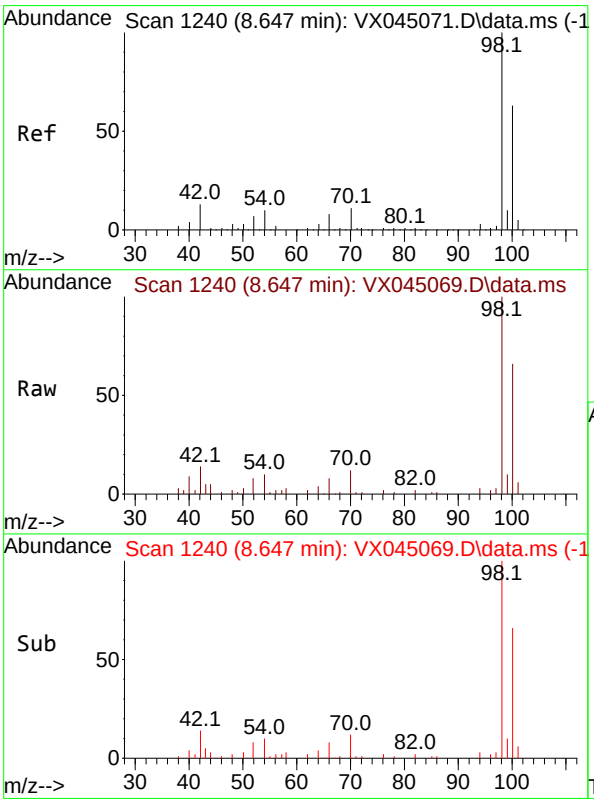
#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3531

Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

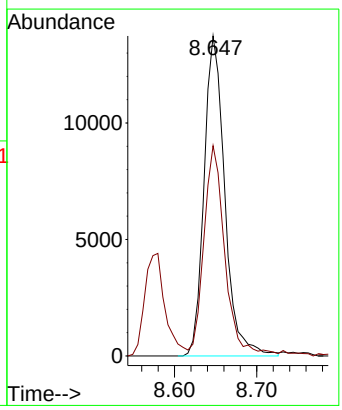


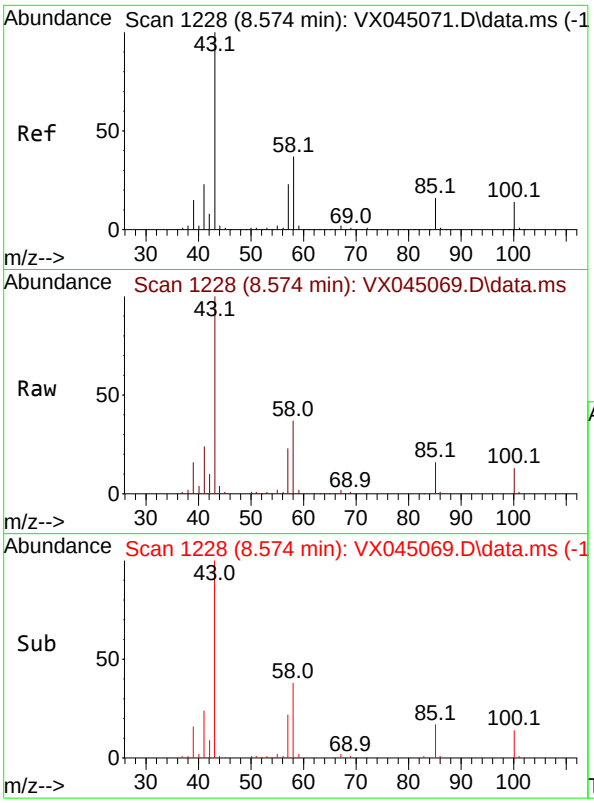


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



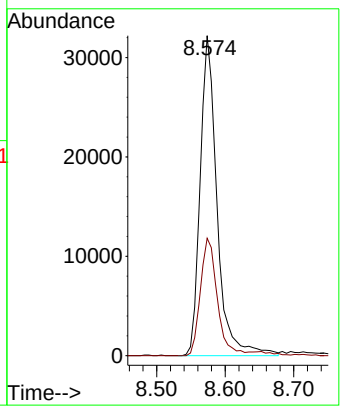


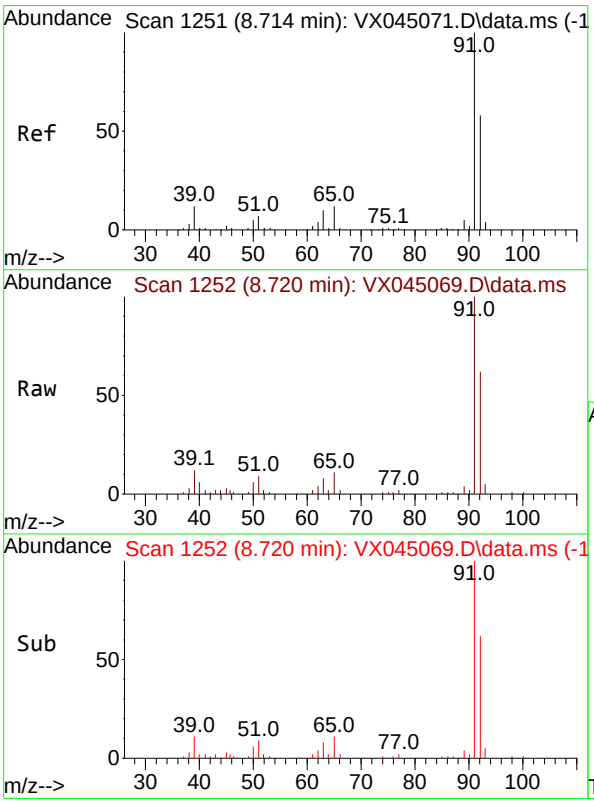
#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55320

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

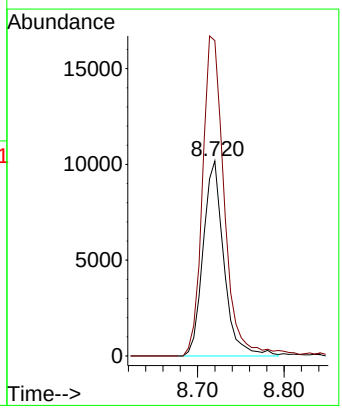


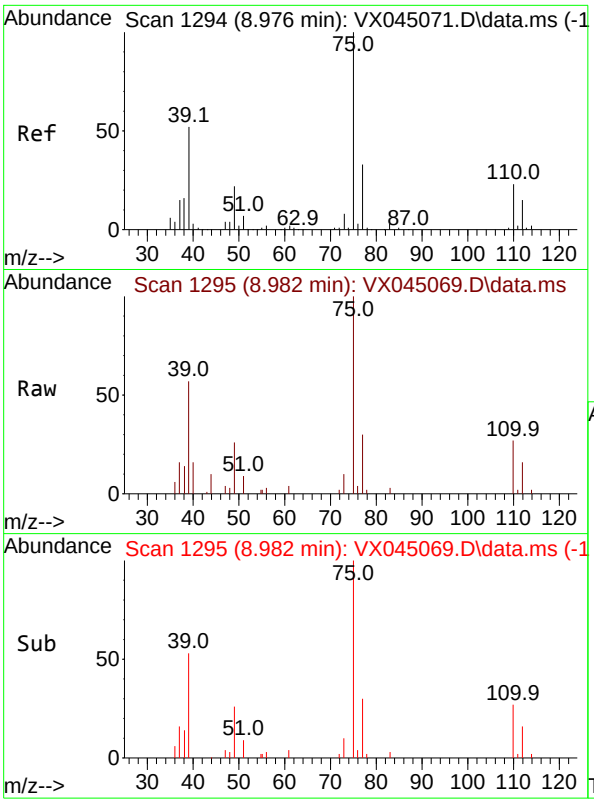


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



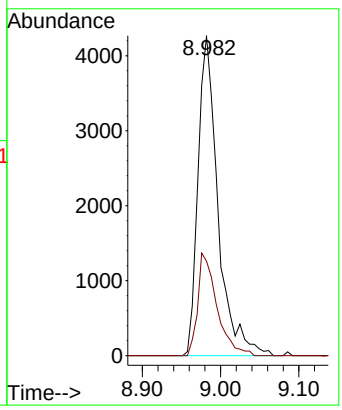


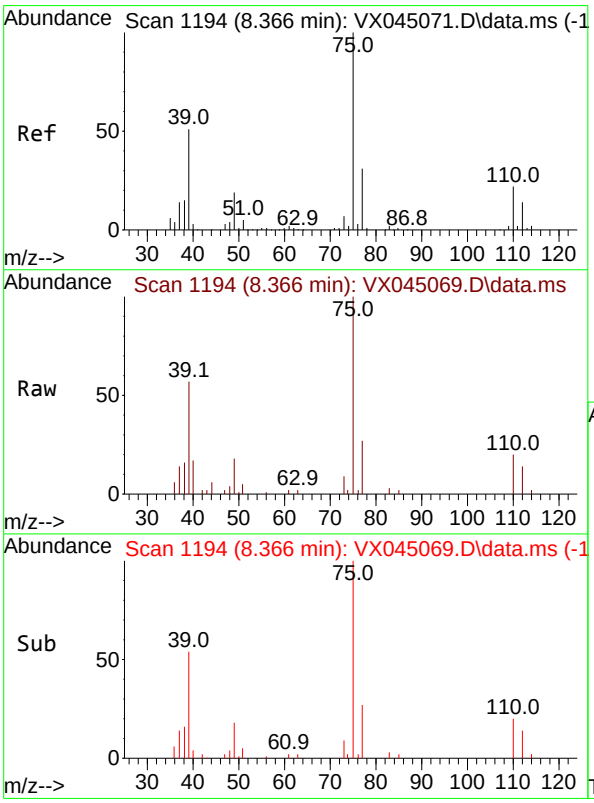
#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7

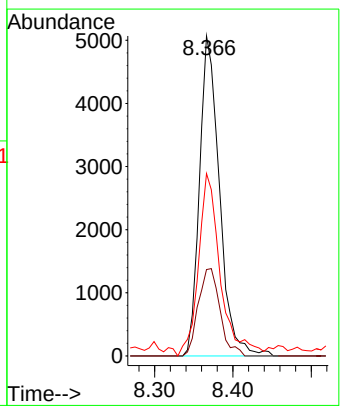


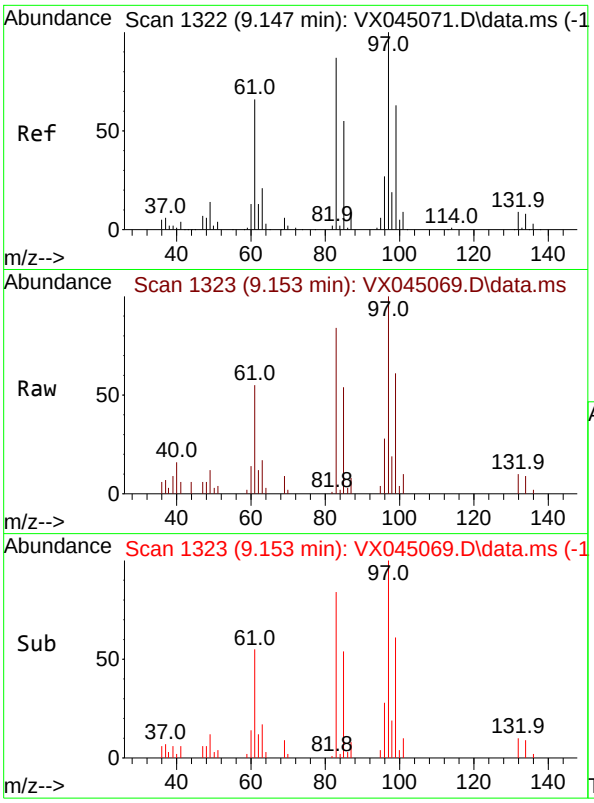


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1



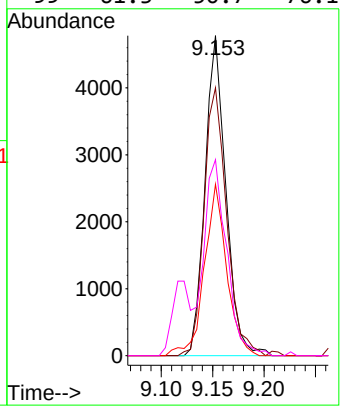


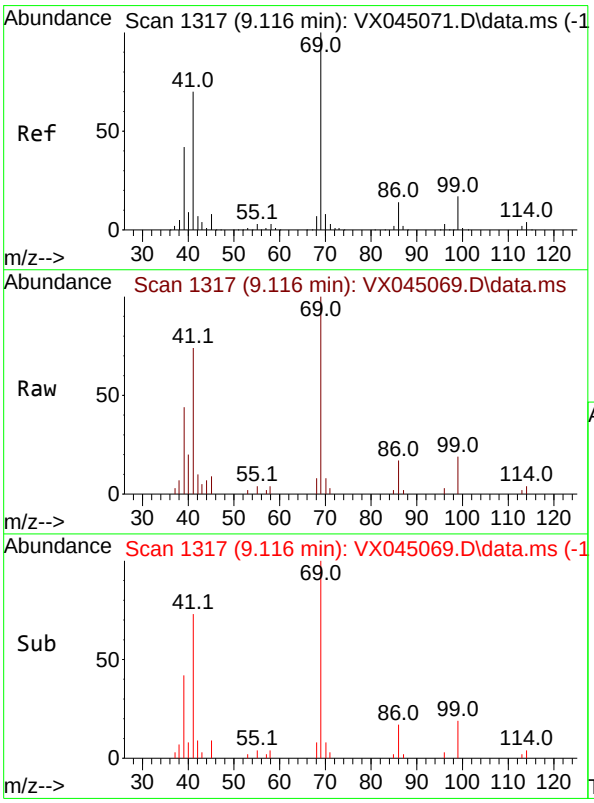
#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 6759

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1

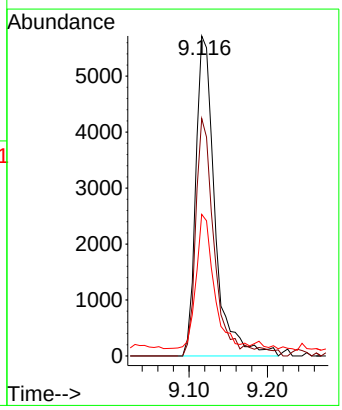


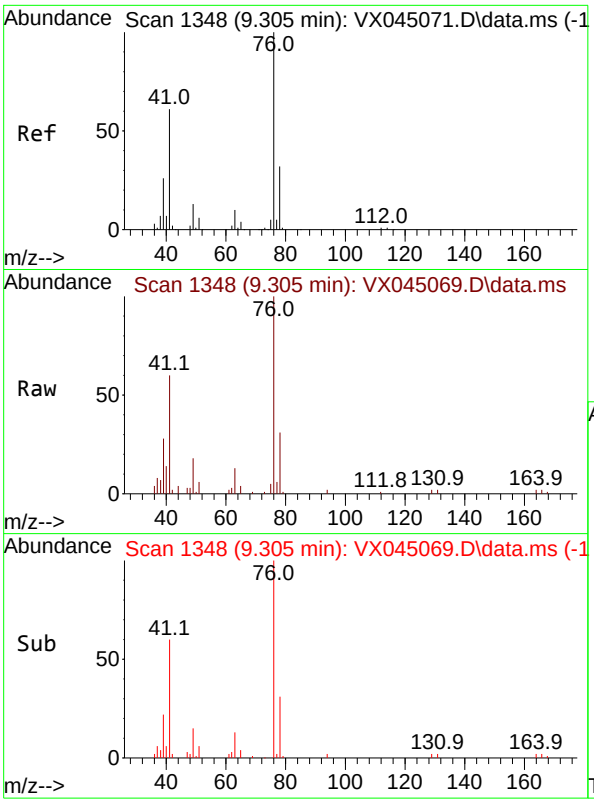


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4



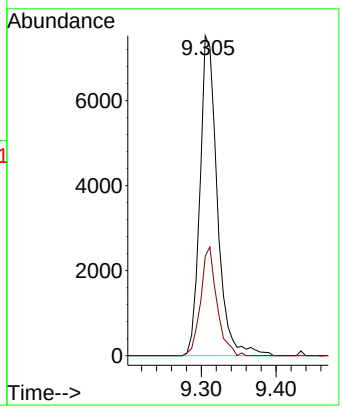


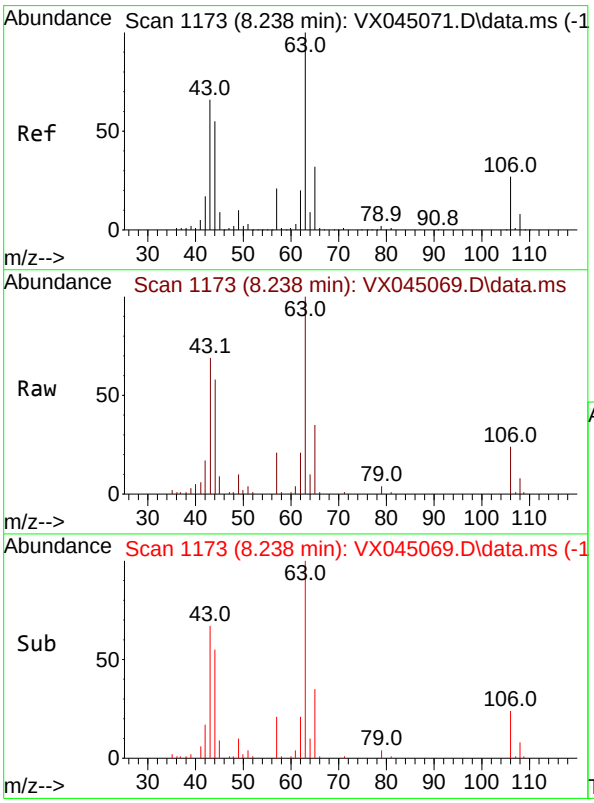
#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

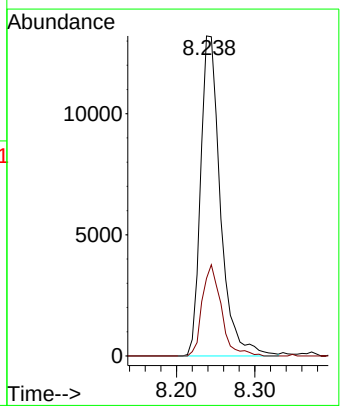


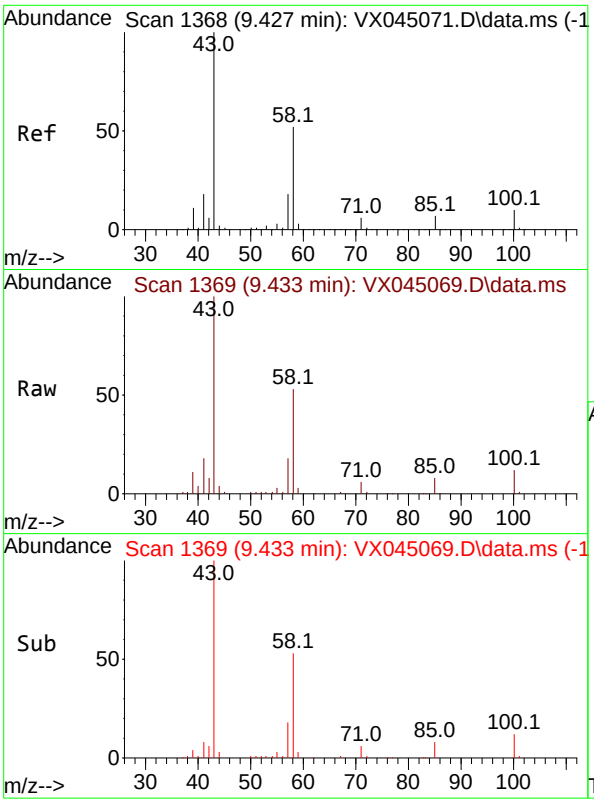


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3



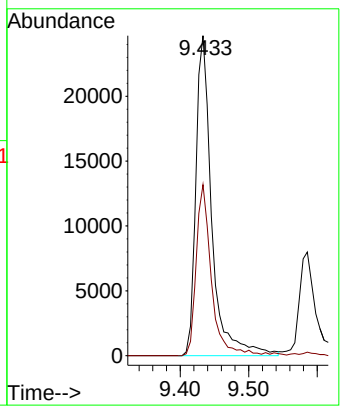


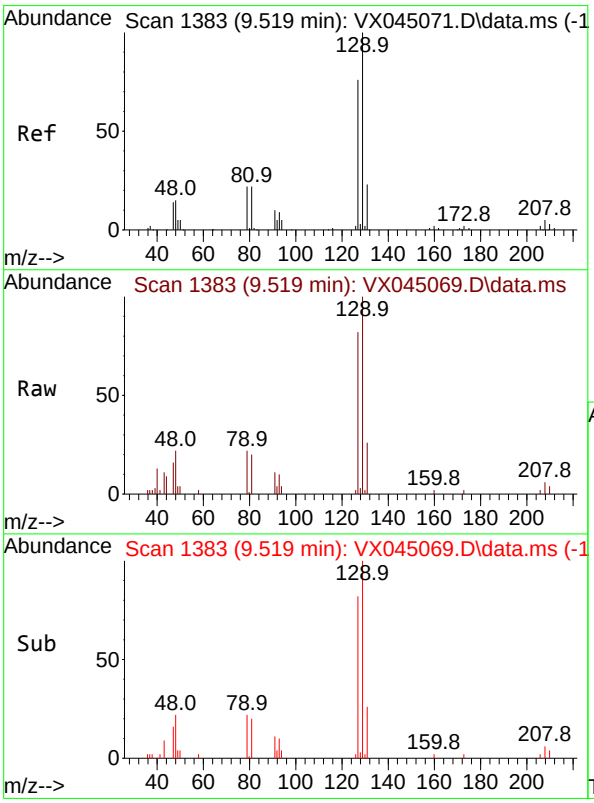
#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

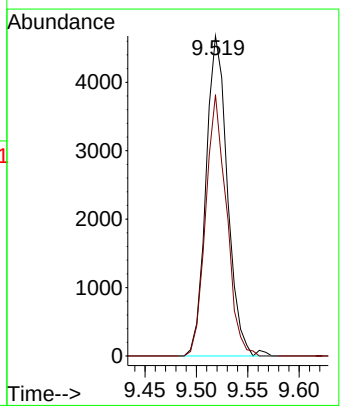


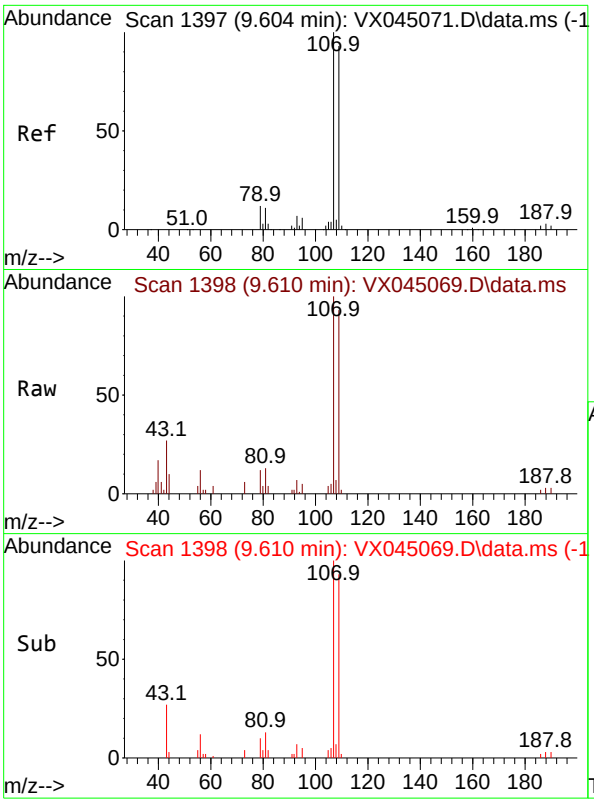


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5



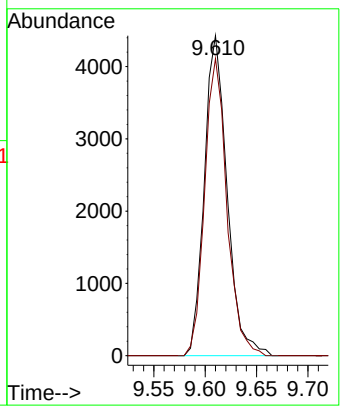


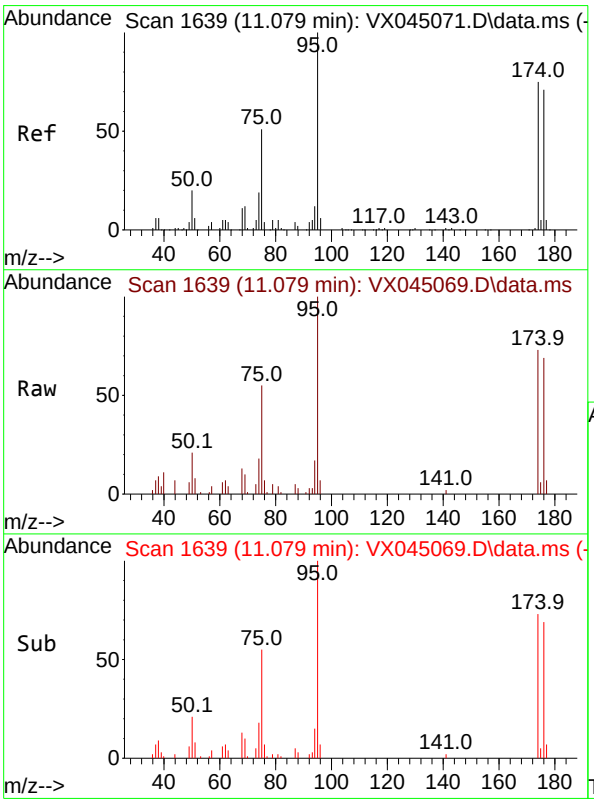
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6832

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

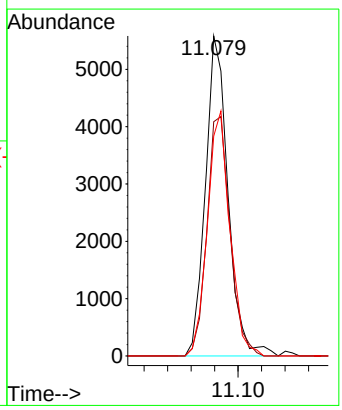


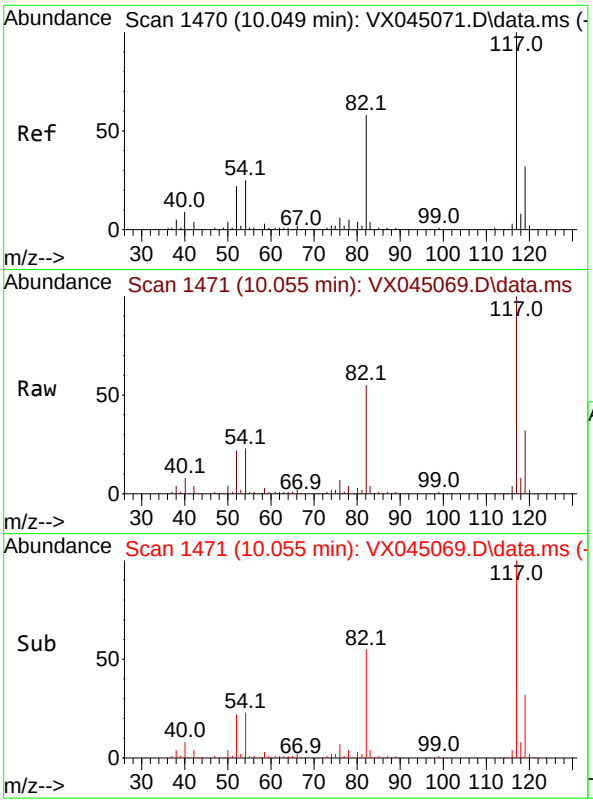


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4



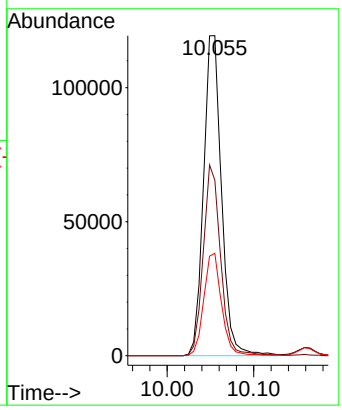


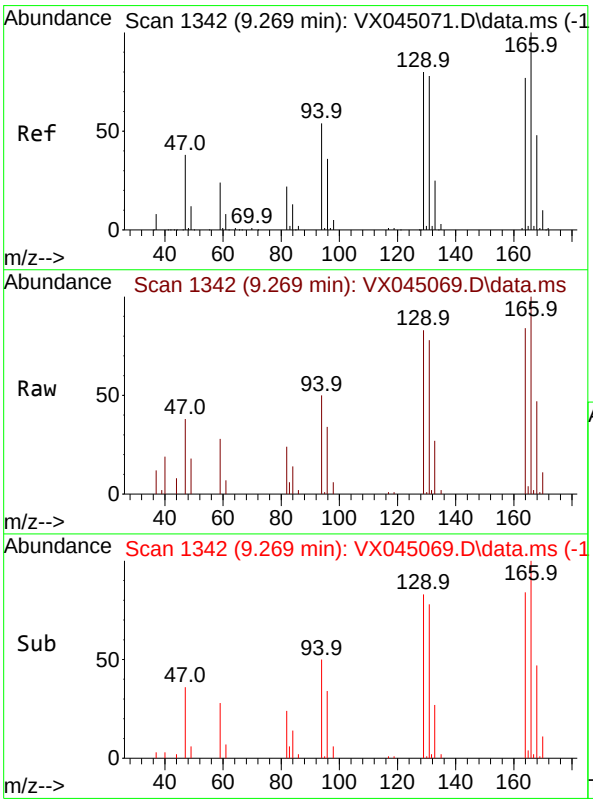
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 172367

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5

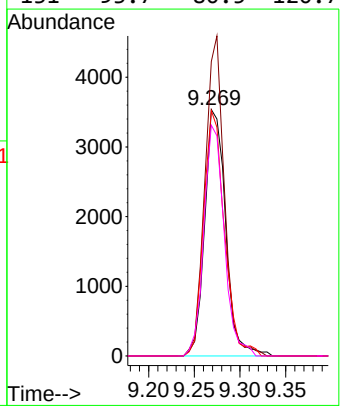


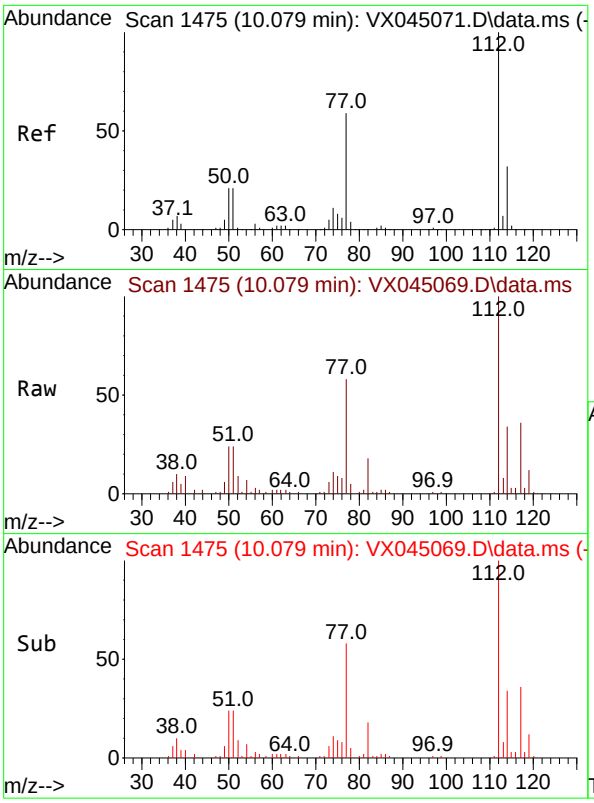


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7



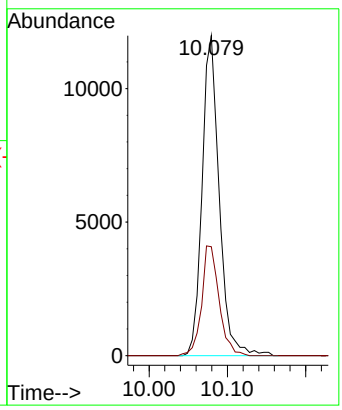


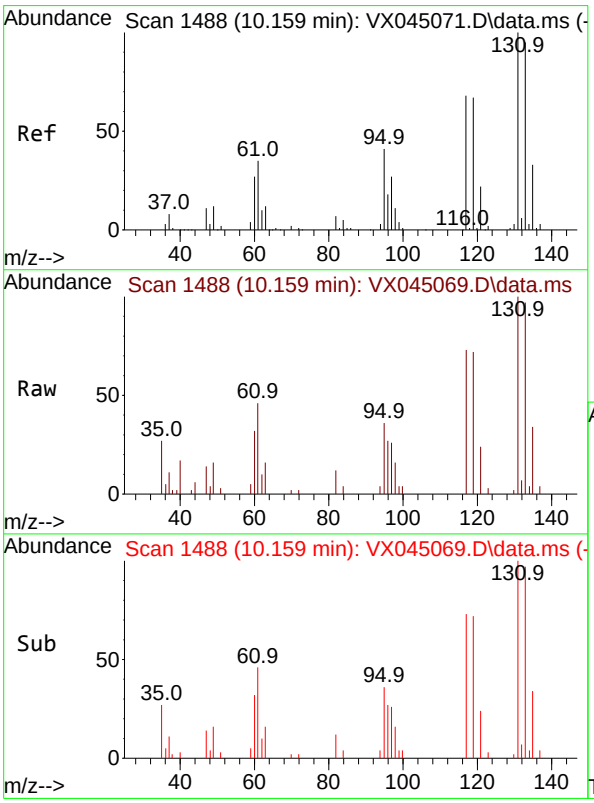
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 18161

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

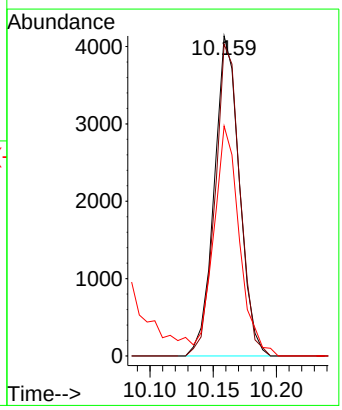


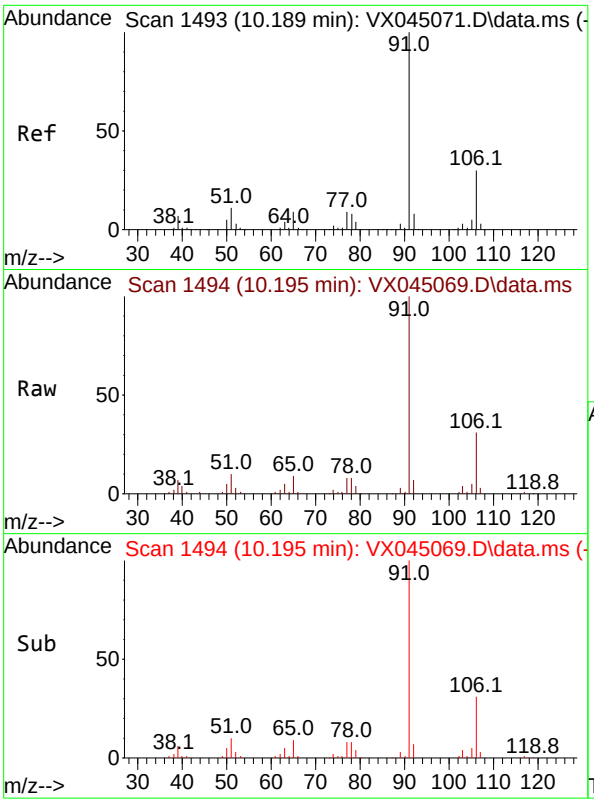


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7



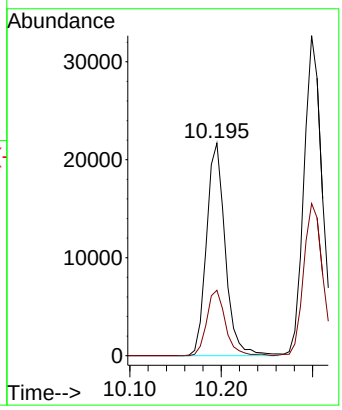


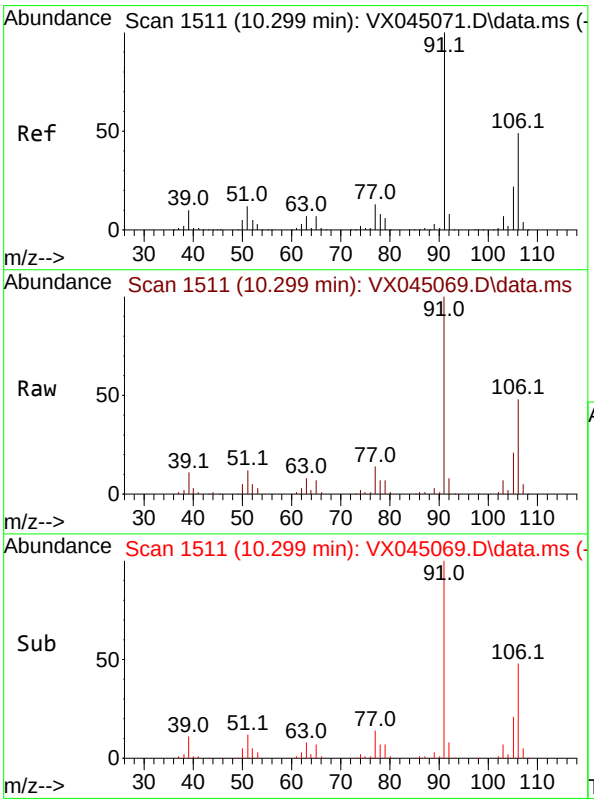
#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30918

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

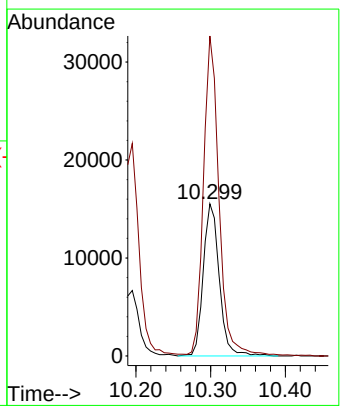


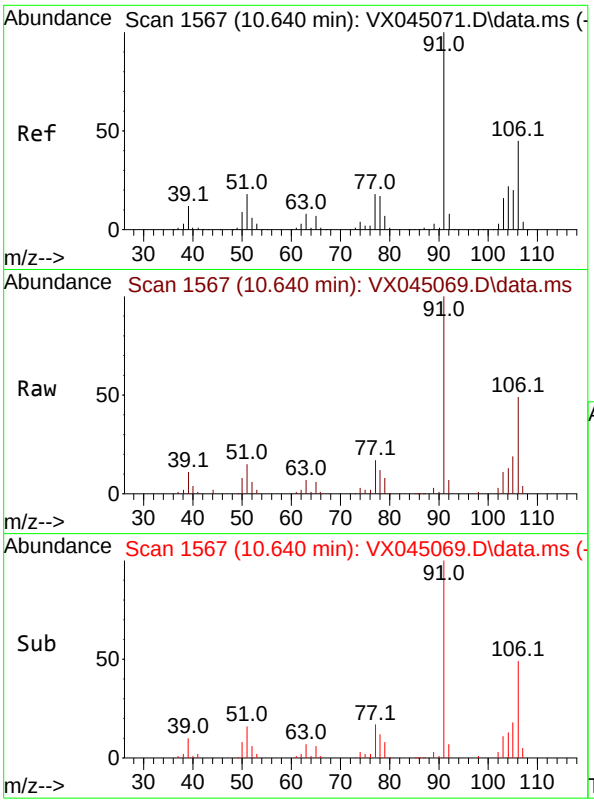


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0



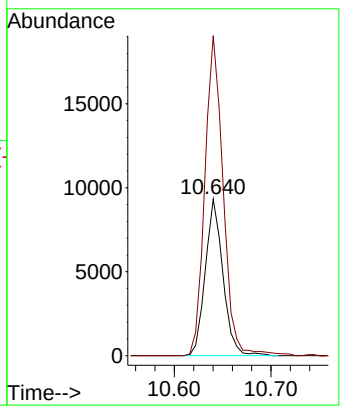


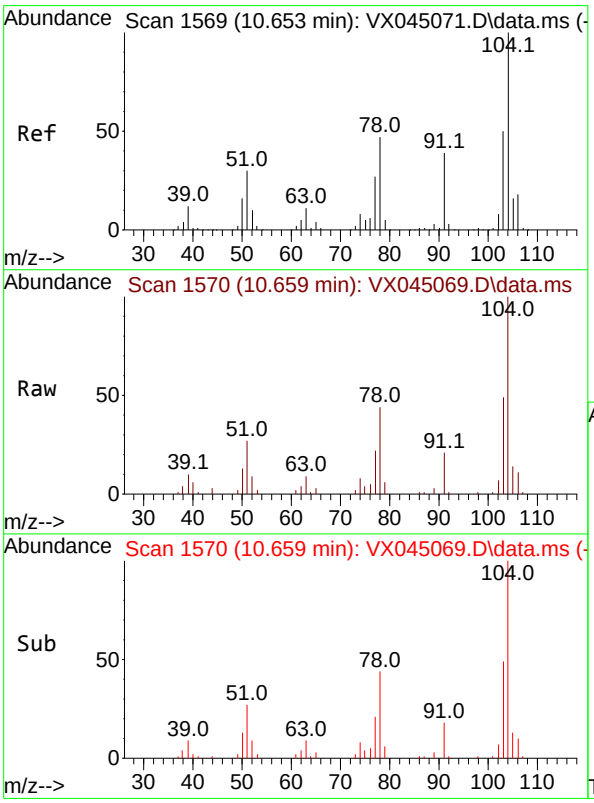
#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11881

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6

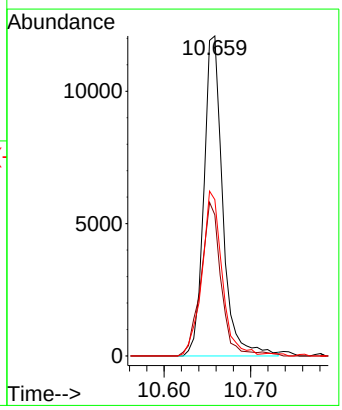


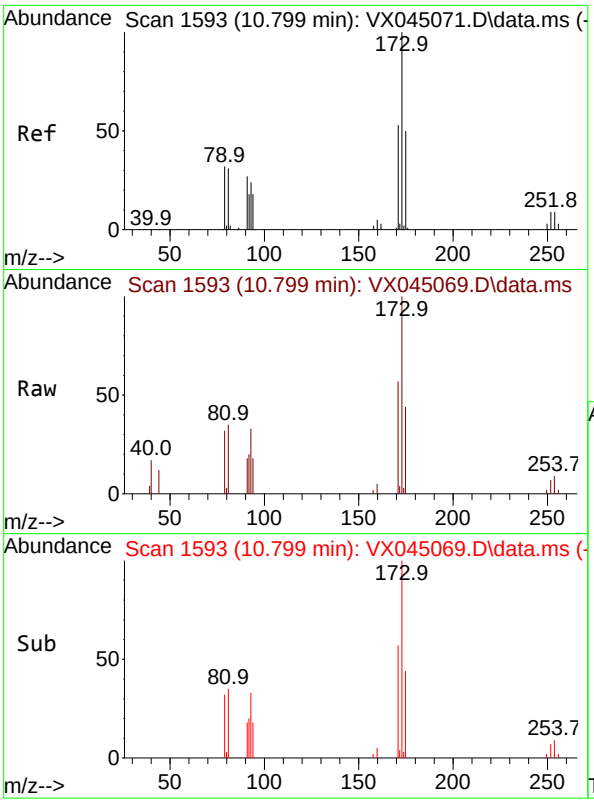


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8



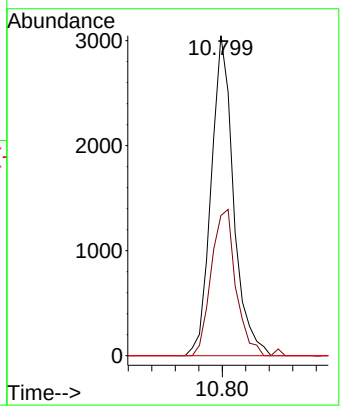


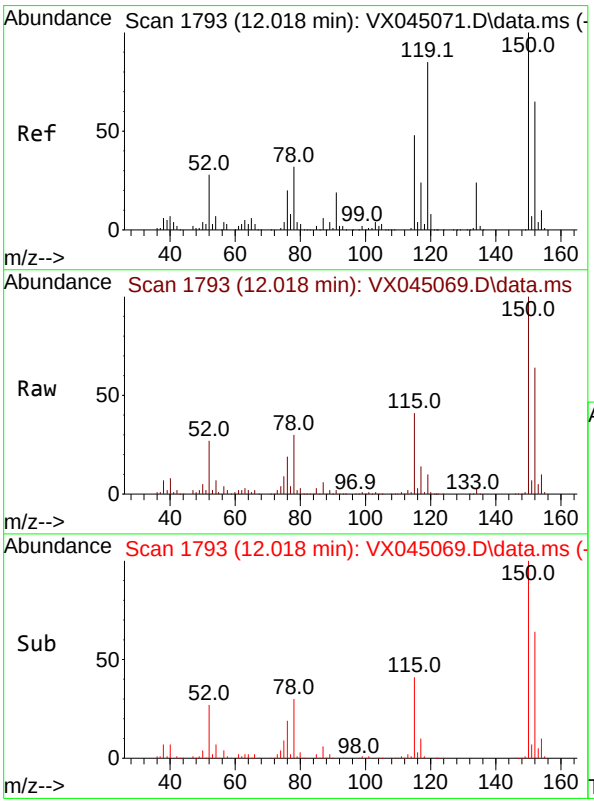
#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4027

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0

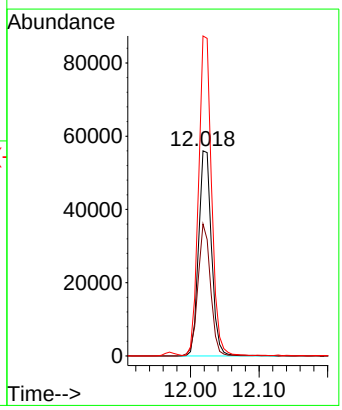


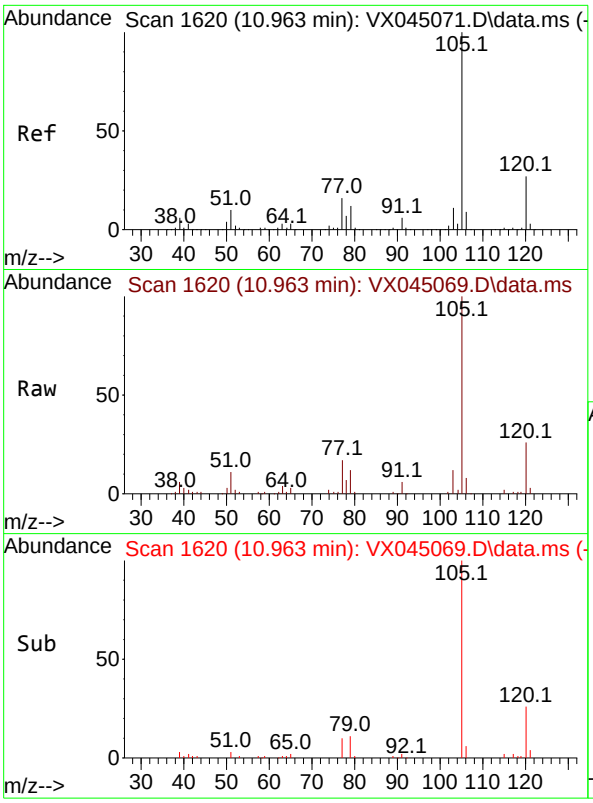


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0



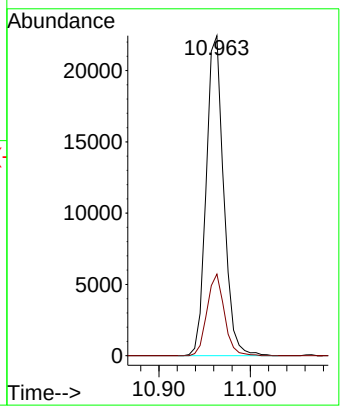


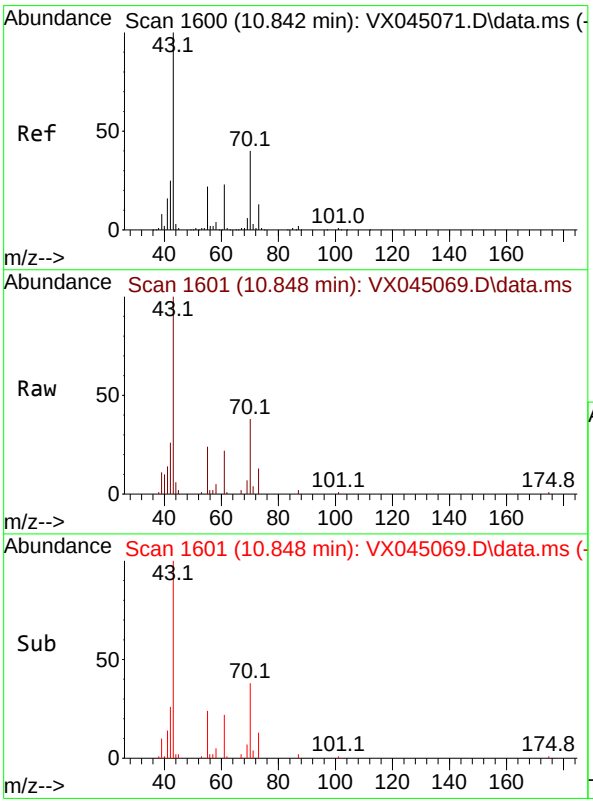
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 29685

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

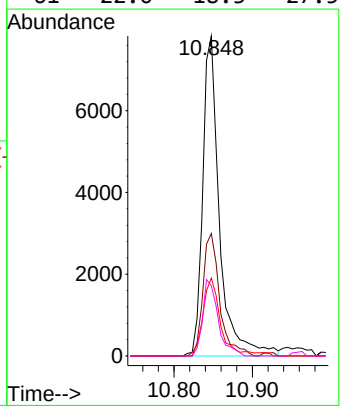


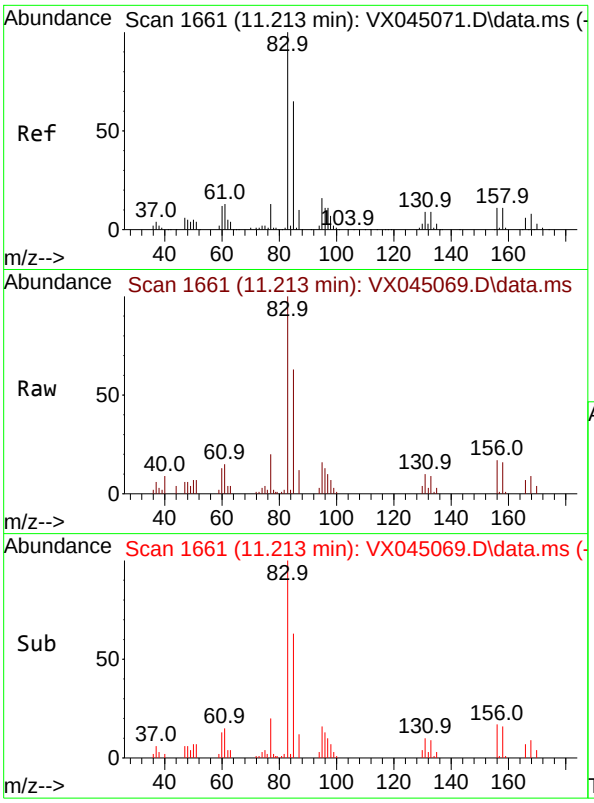


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5



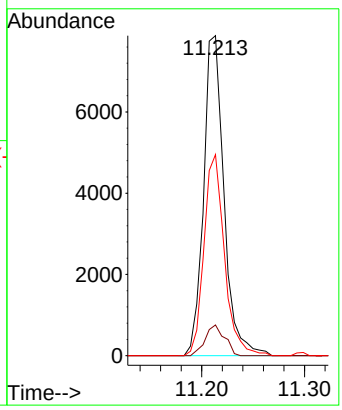


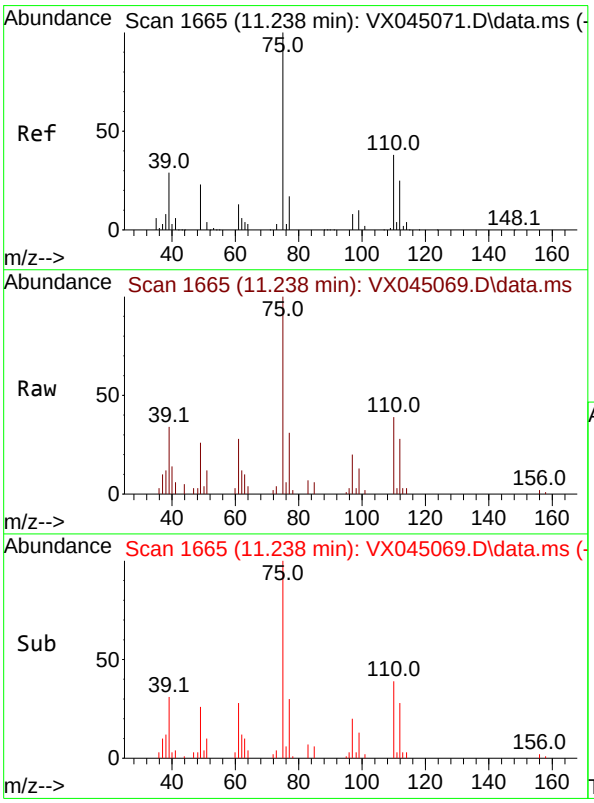
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10881

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1

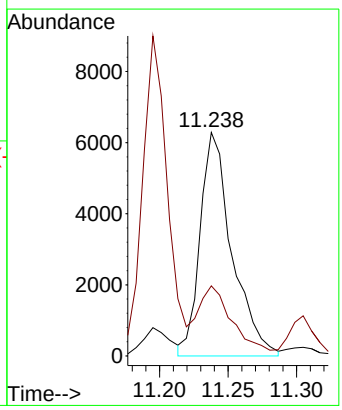


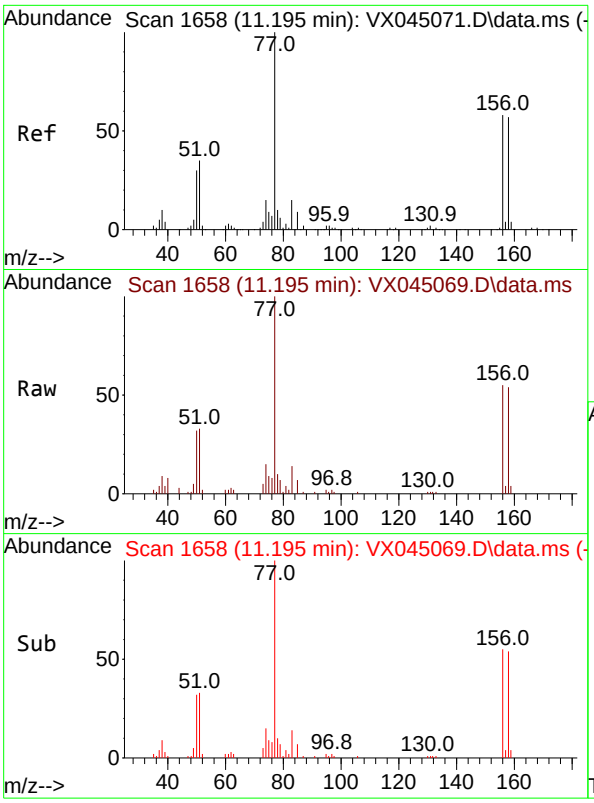


#76
1,2,3-Trichloropropane
Concen: 6.189 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 10159

Ion	Ratio	Lower	Upper
75	100		
77	34.6	20.7	62.1



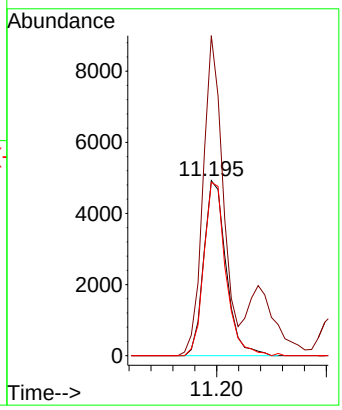


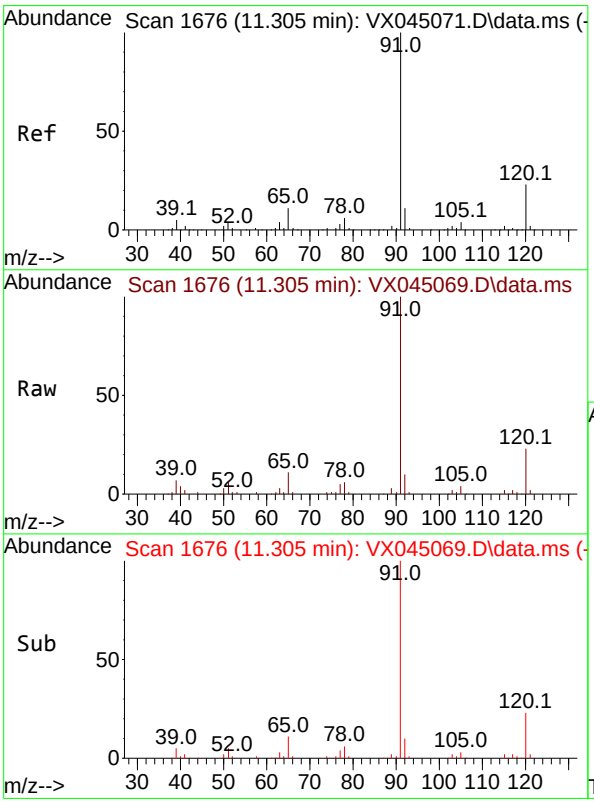
#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 6970

Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2

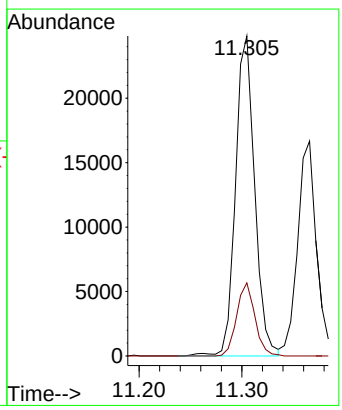


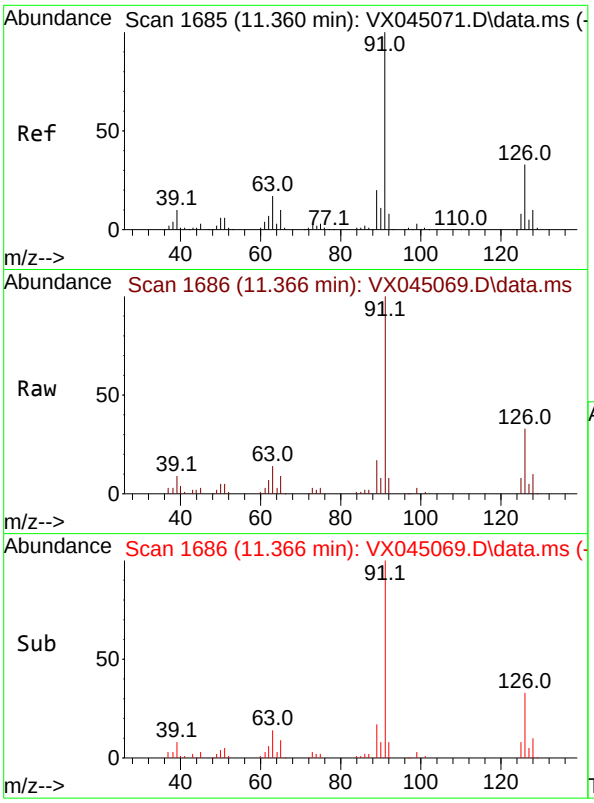


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



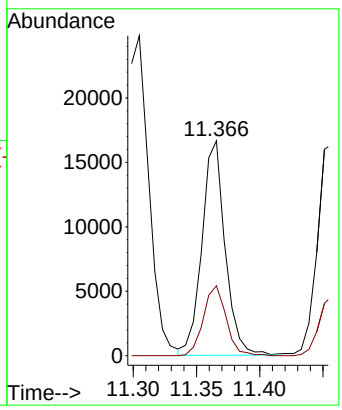


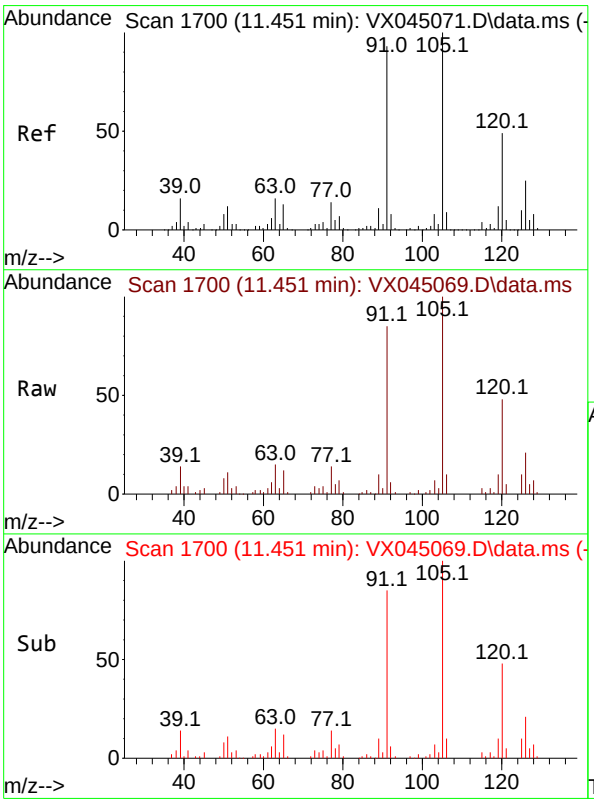
#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21253

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

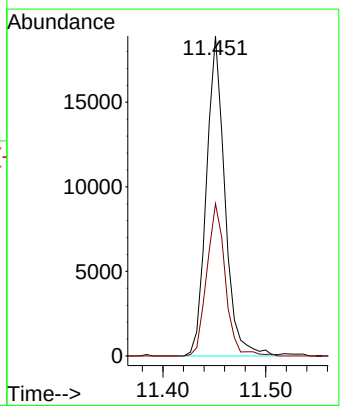


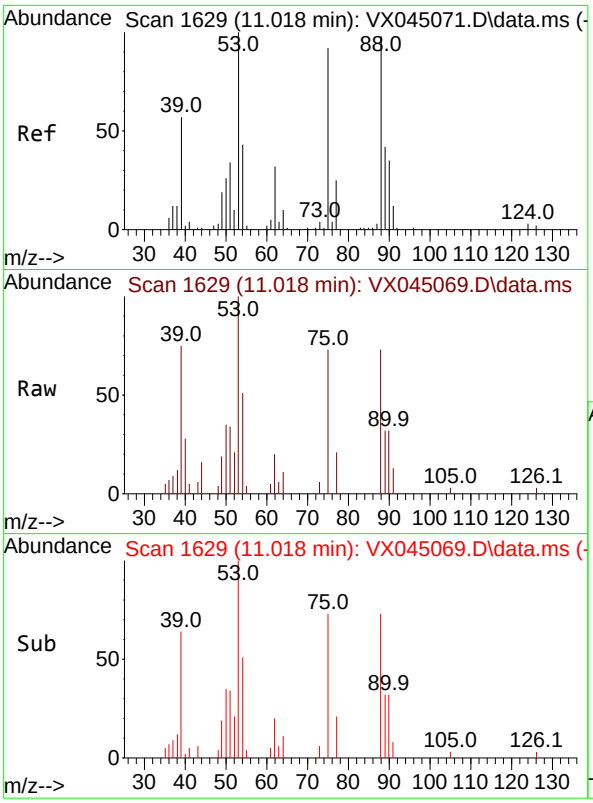


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



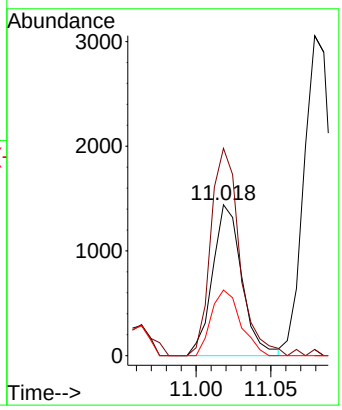


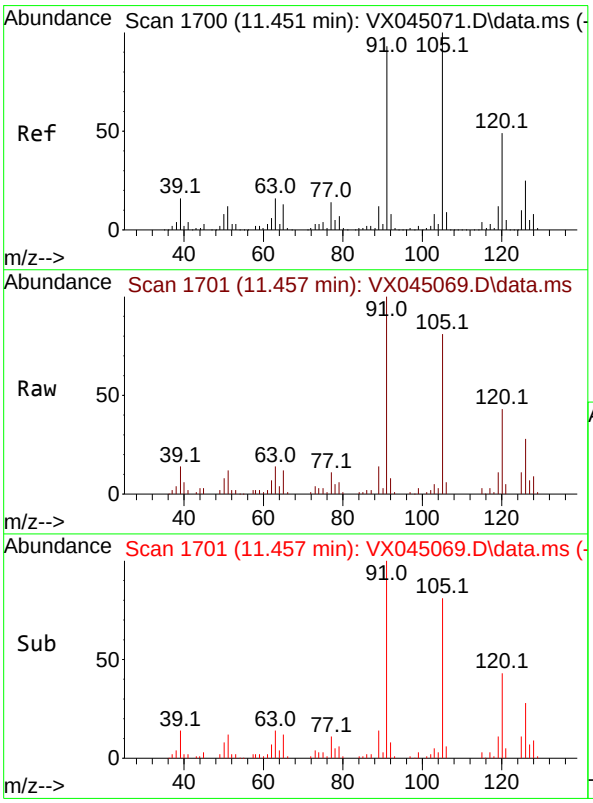
#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1971

Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

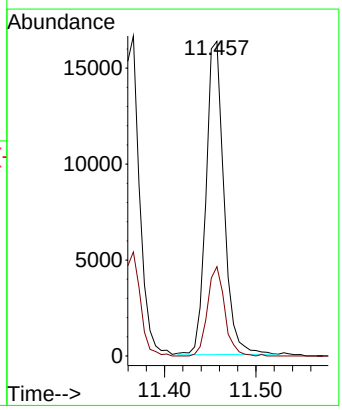


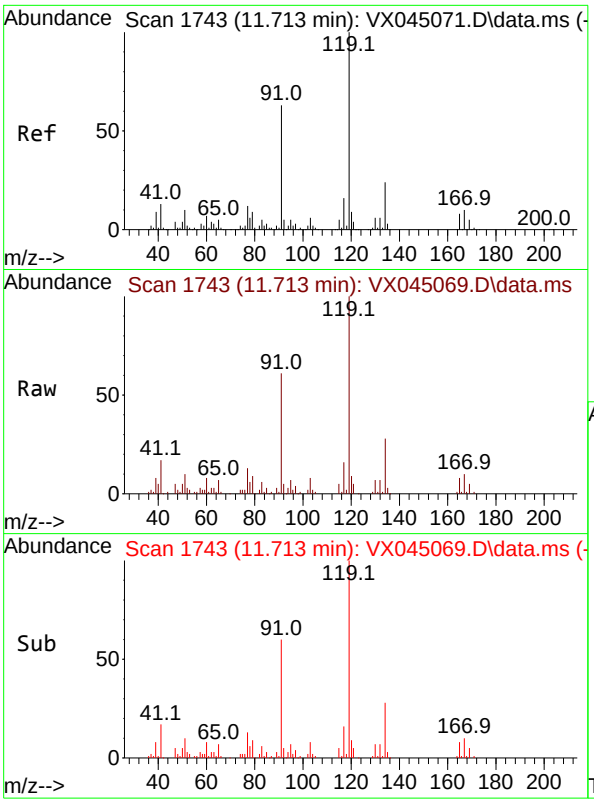


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



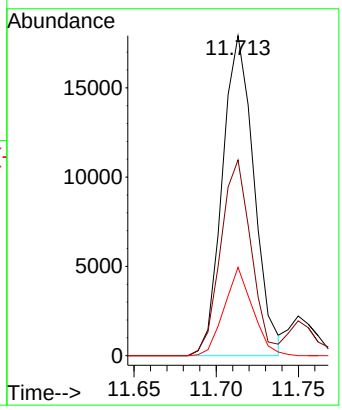


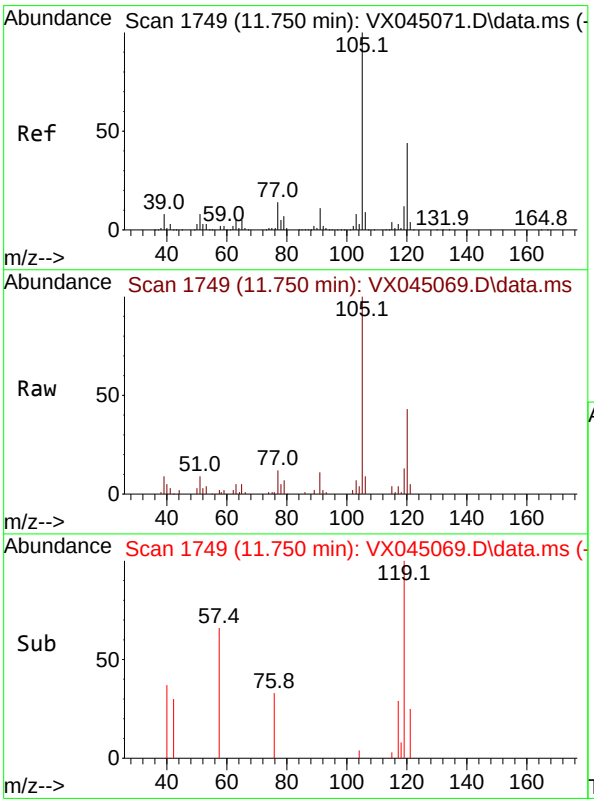
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 23960

Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0

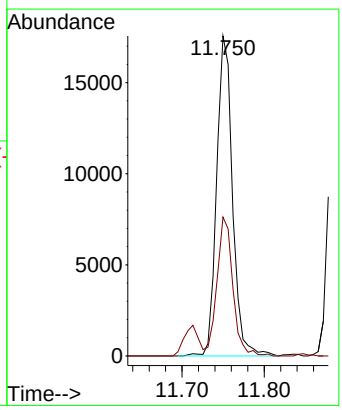


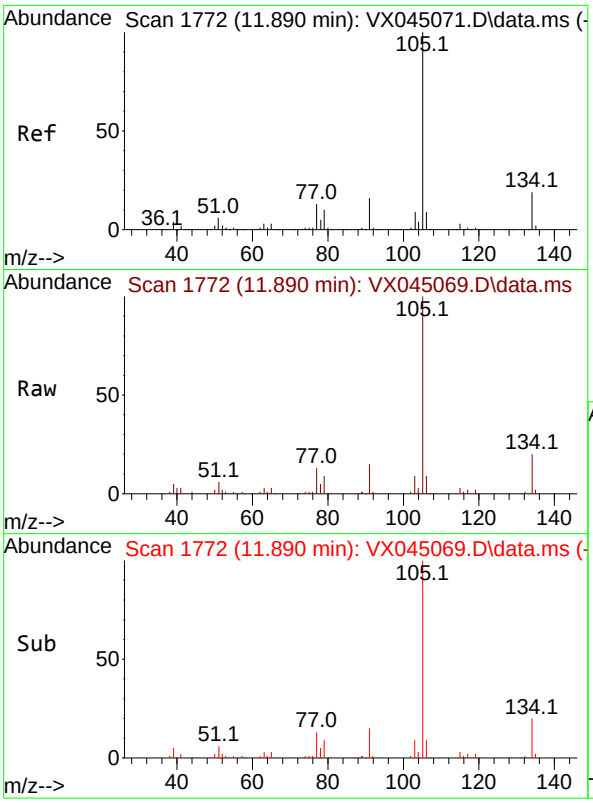


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



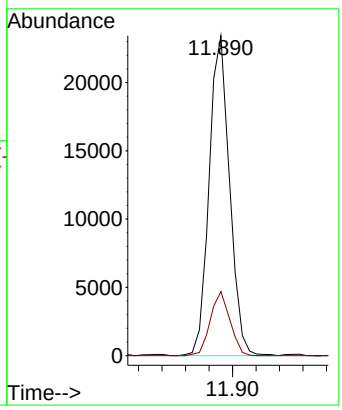


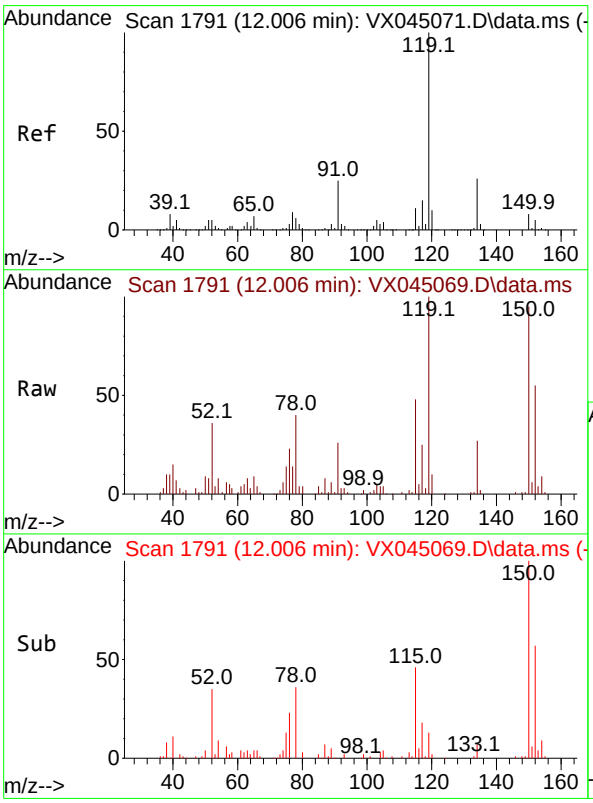
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 28314

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

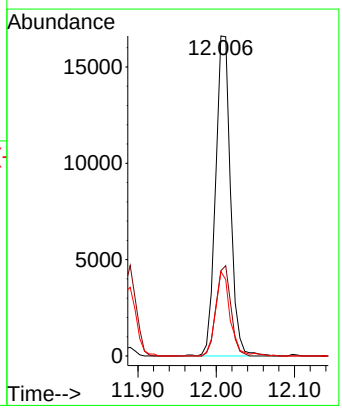


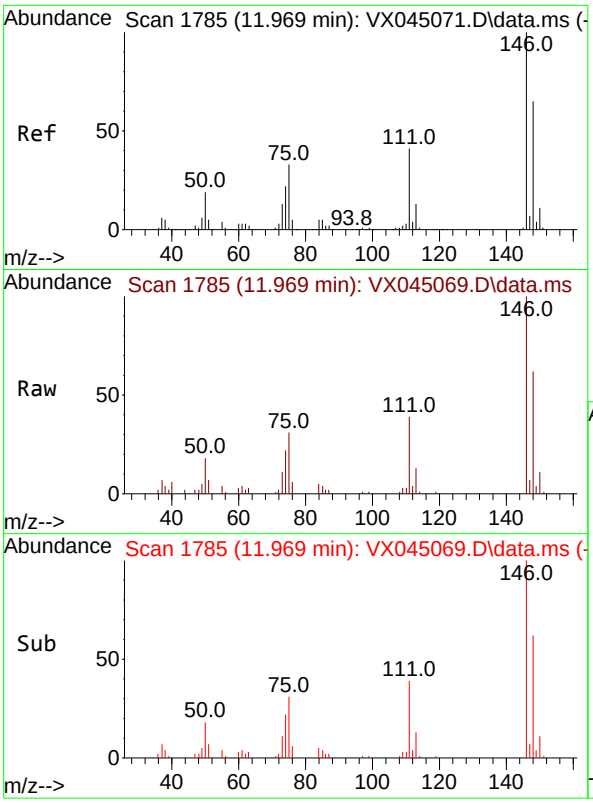


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0



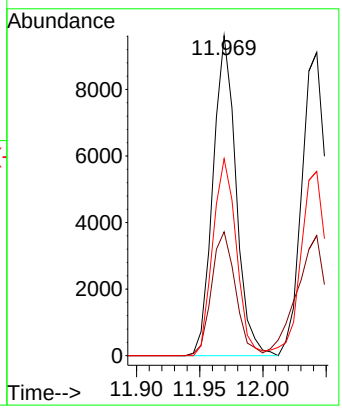


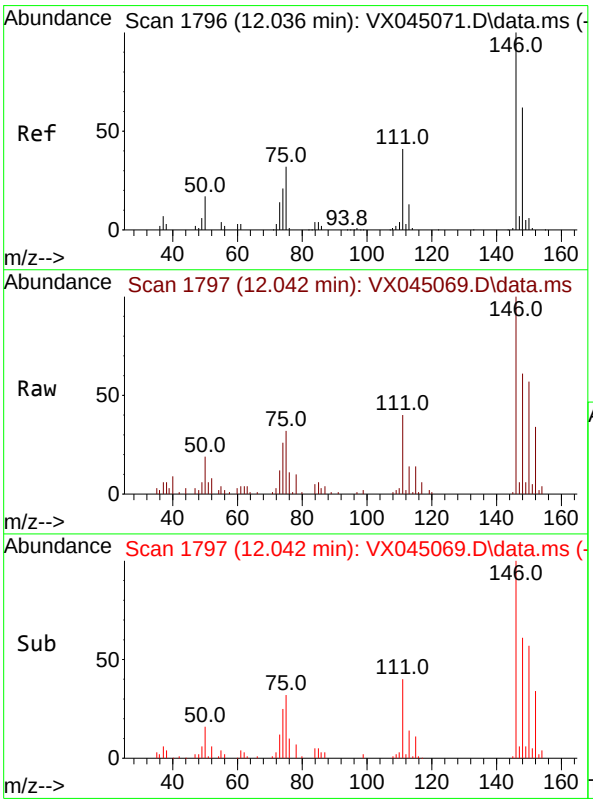
#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12157

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7

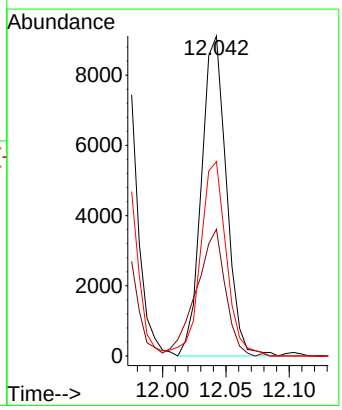


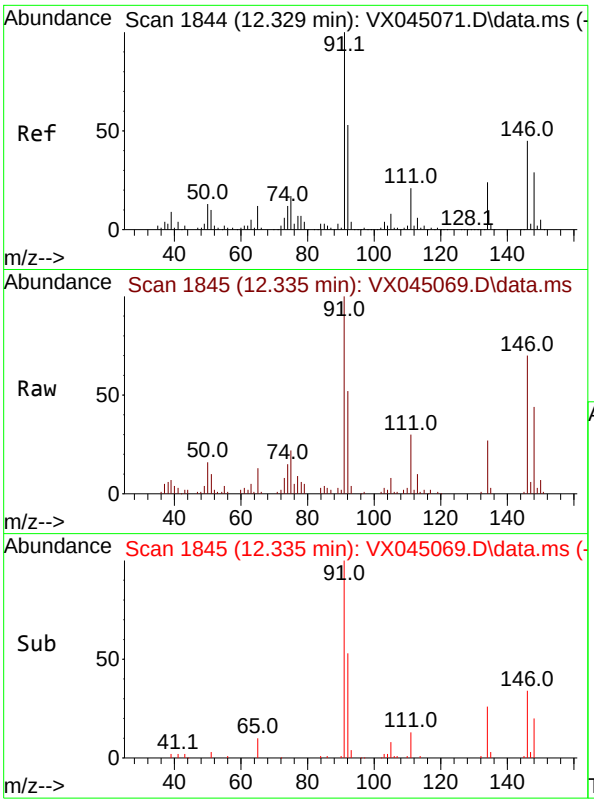


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9



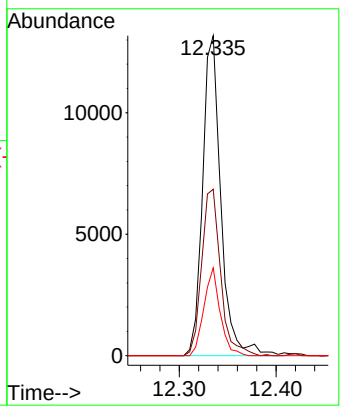


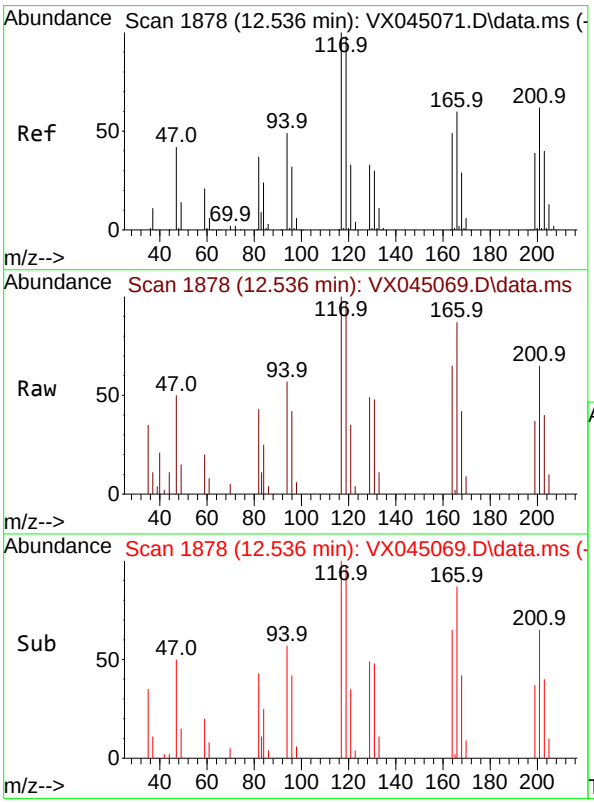
#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 17358

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6

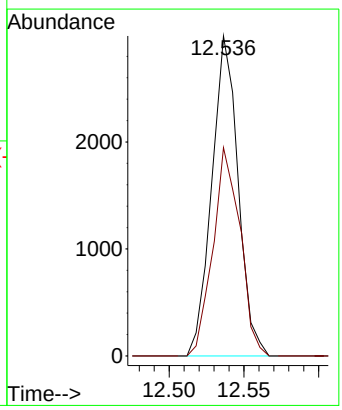


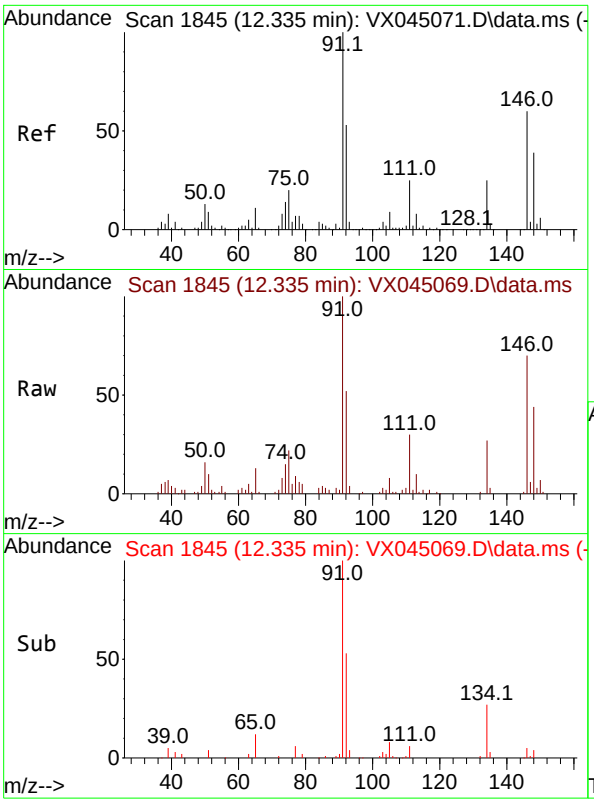


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9



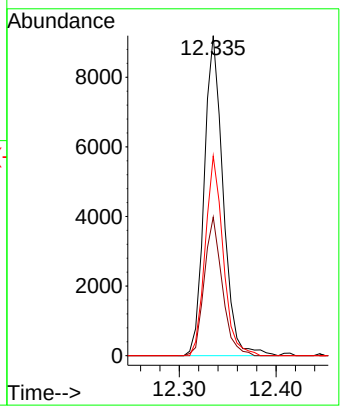


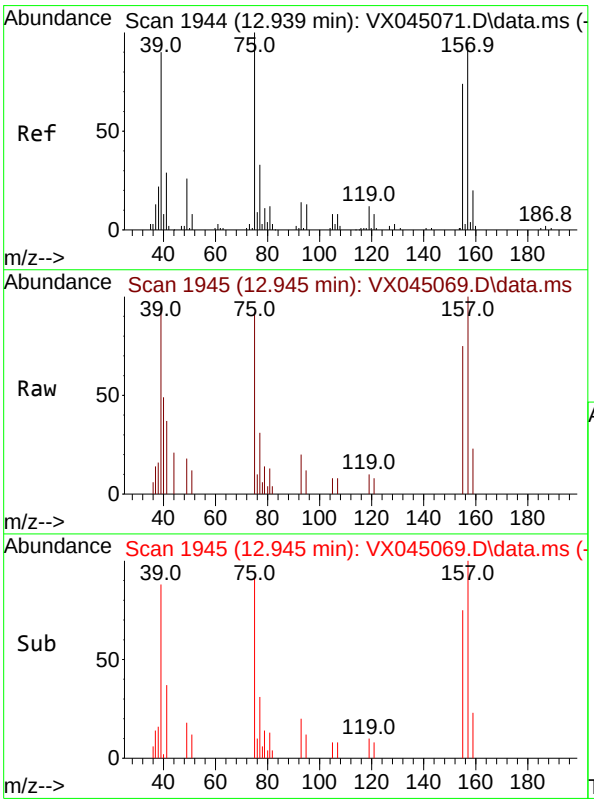
#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12477

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9

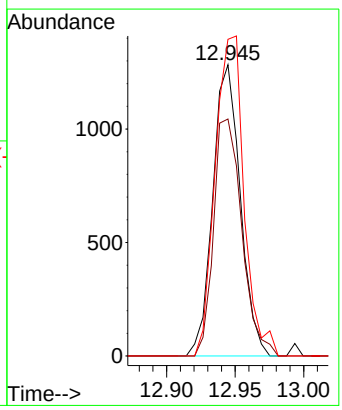


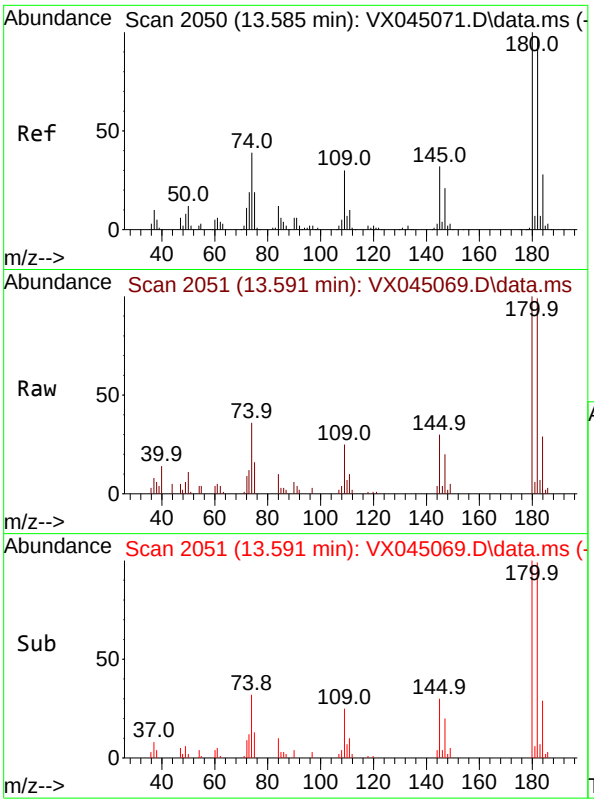


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4



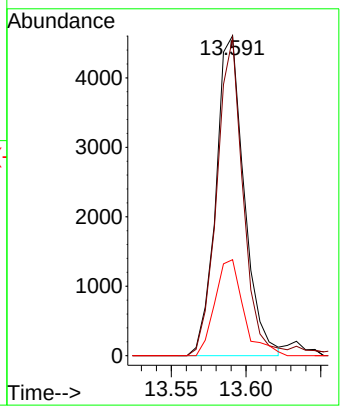


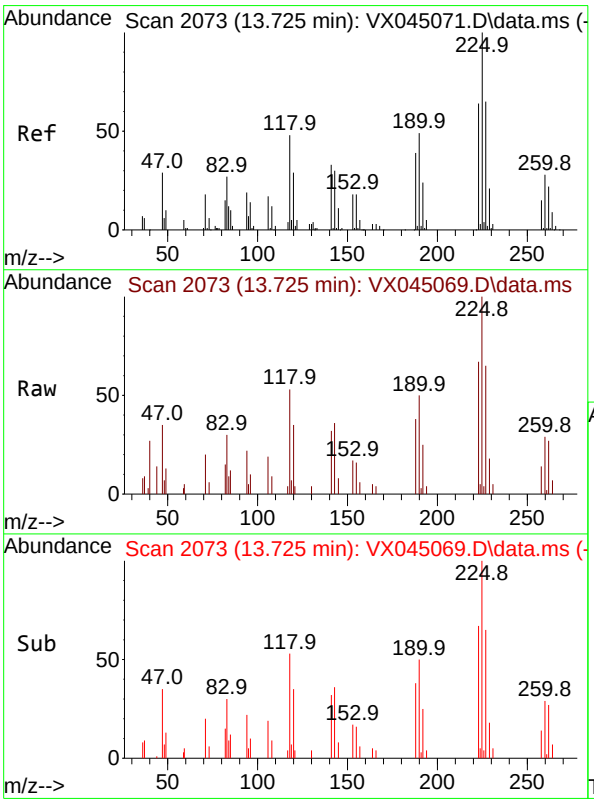
#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 6040

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9

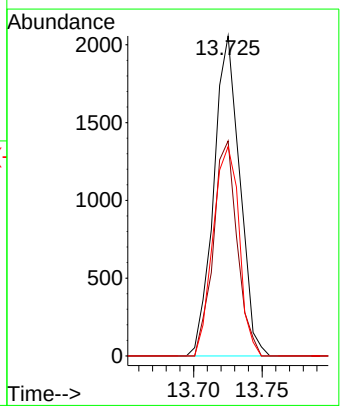


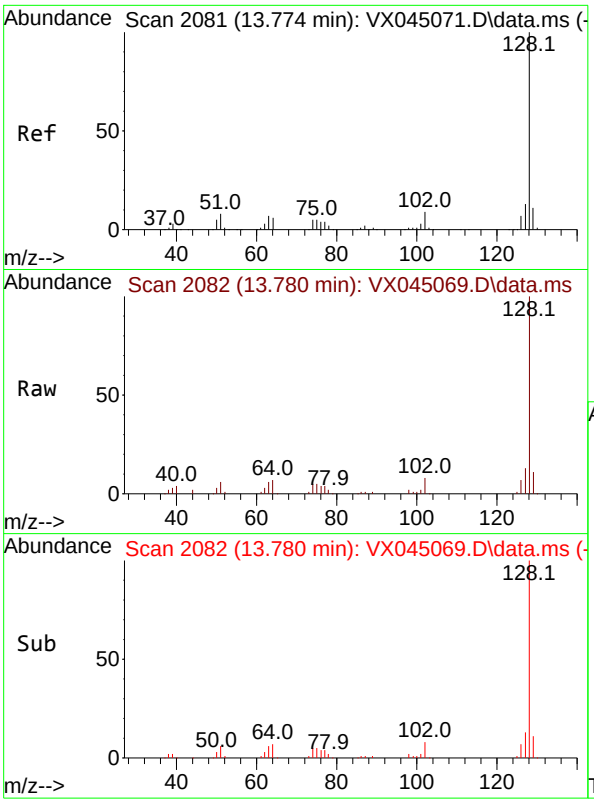


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0



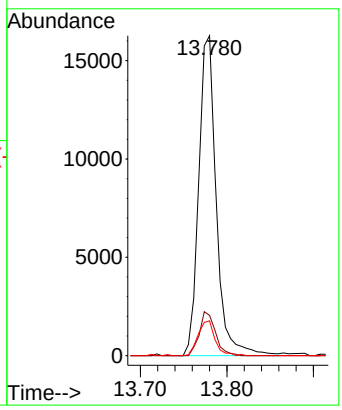


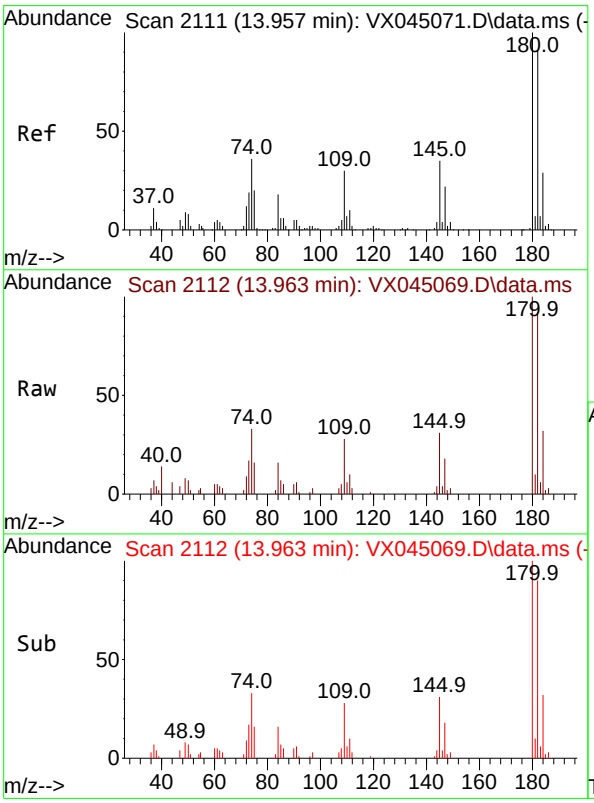
#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 22927

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1

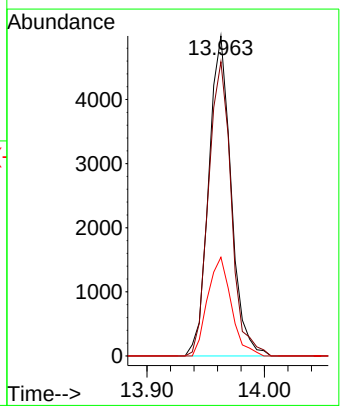




#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	41754	26.713	ug/l		86
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

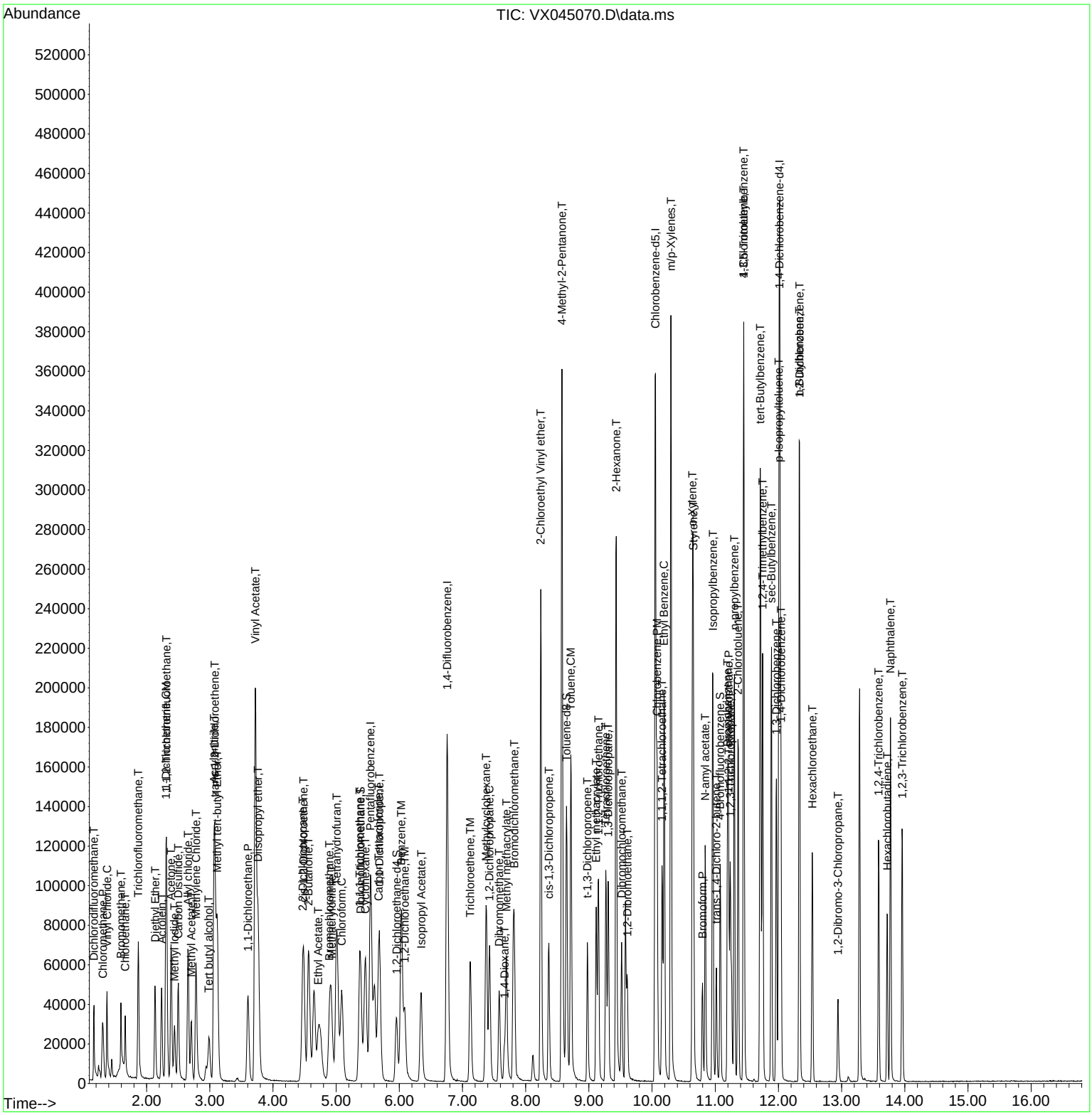
(#) = qualifier out of range (m) = manual integration (+) = signals summed

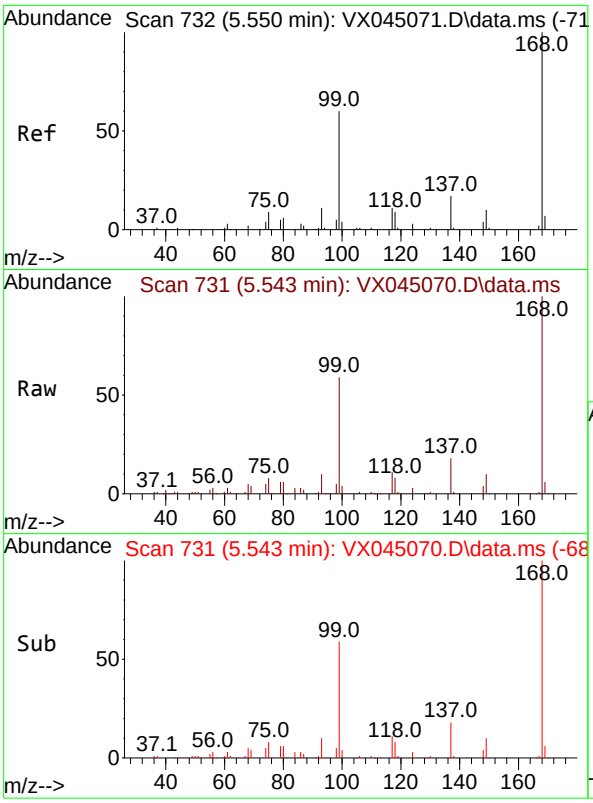
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



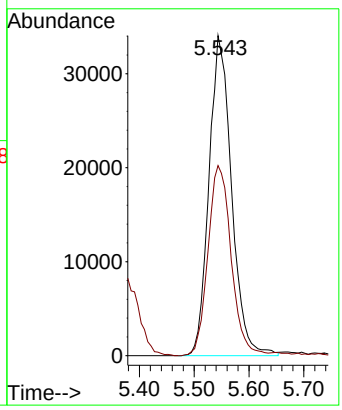


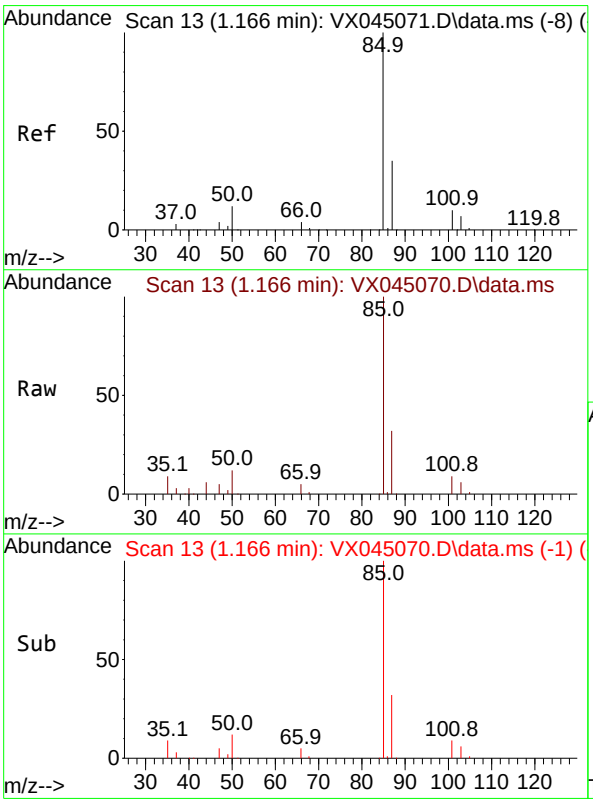
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 97338

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4

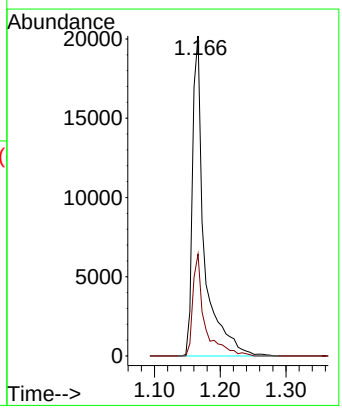


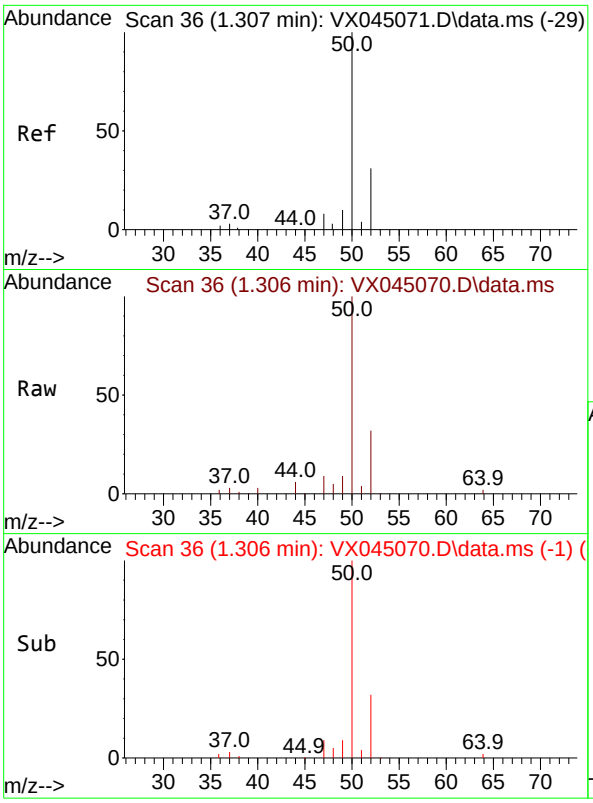


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



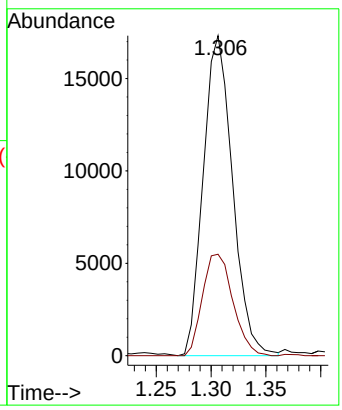


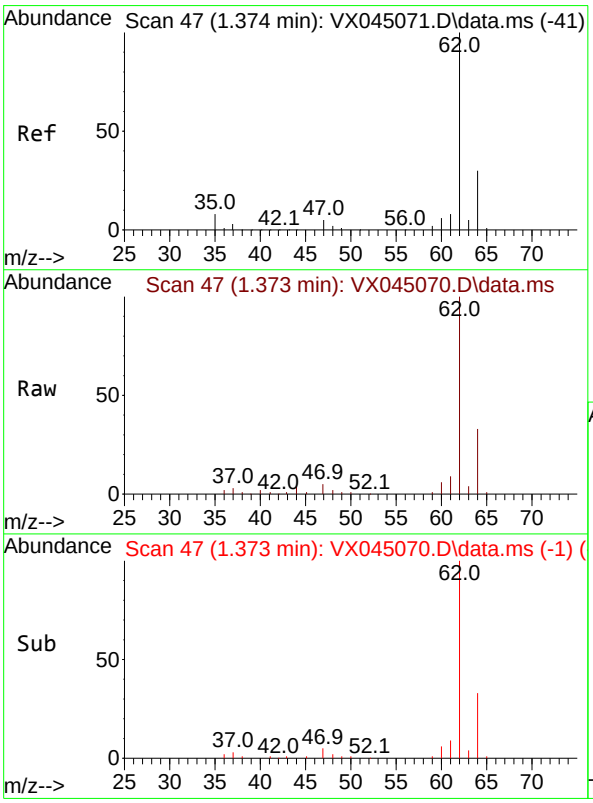
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 32219

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

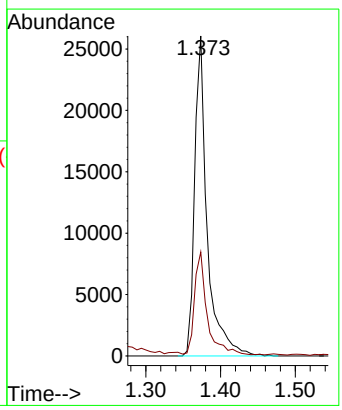


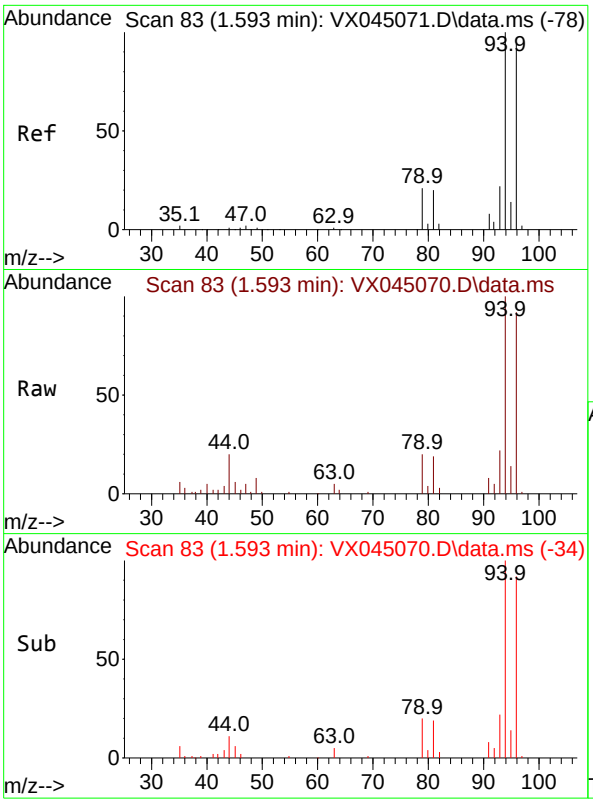


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



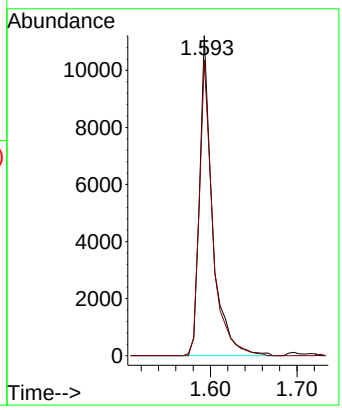


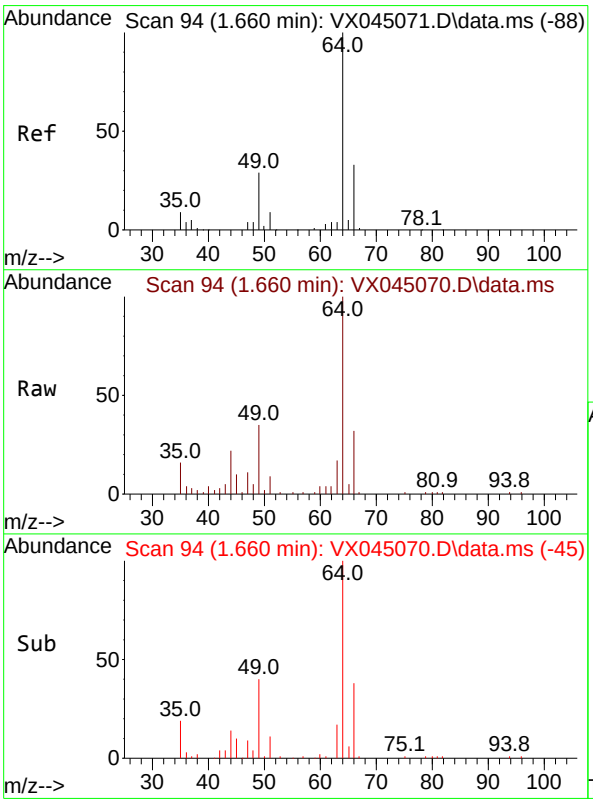
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11584

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

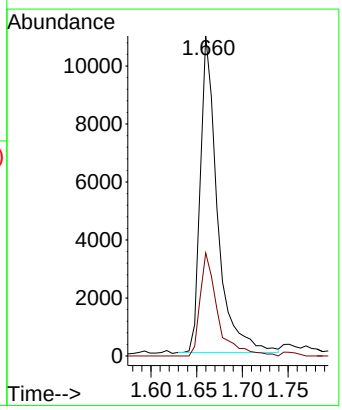


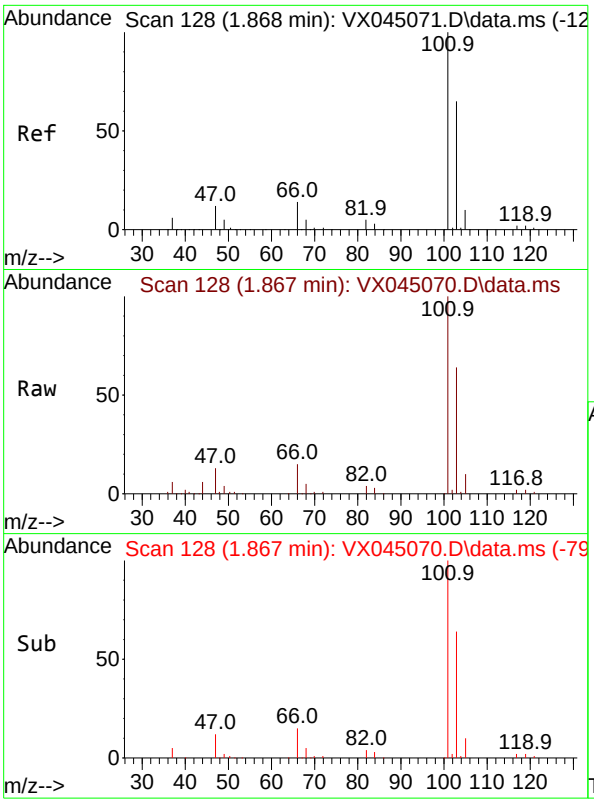


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



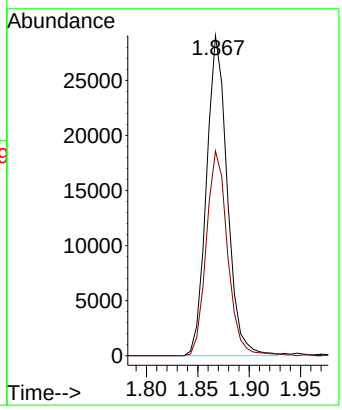


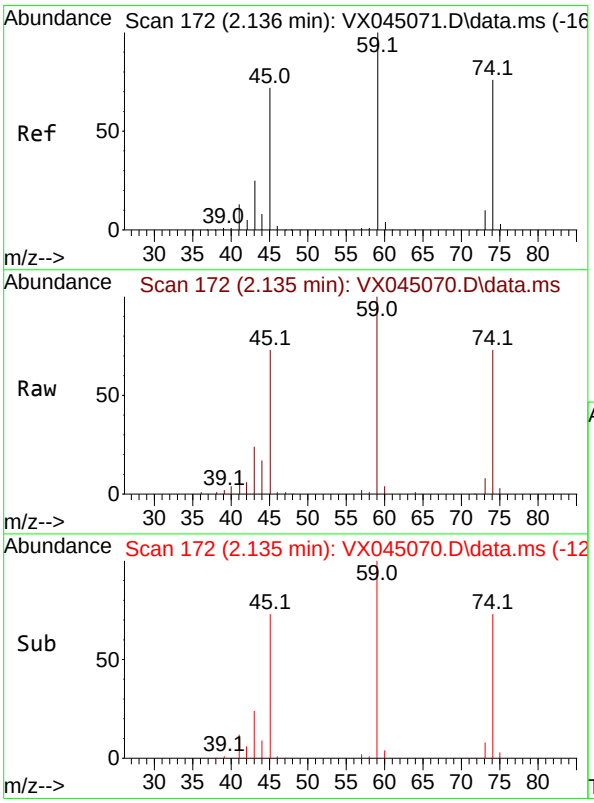
#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 40880

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

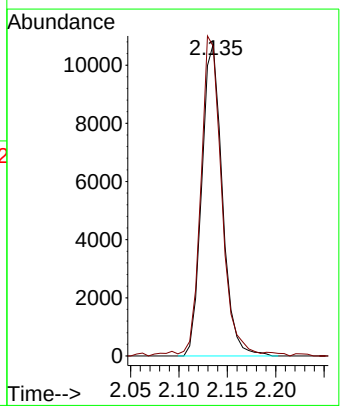


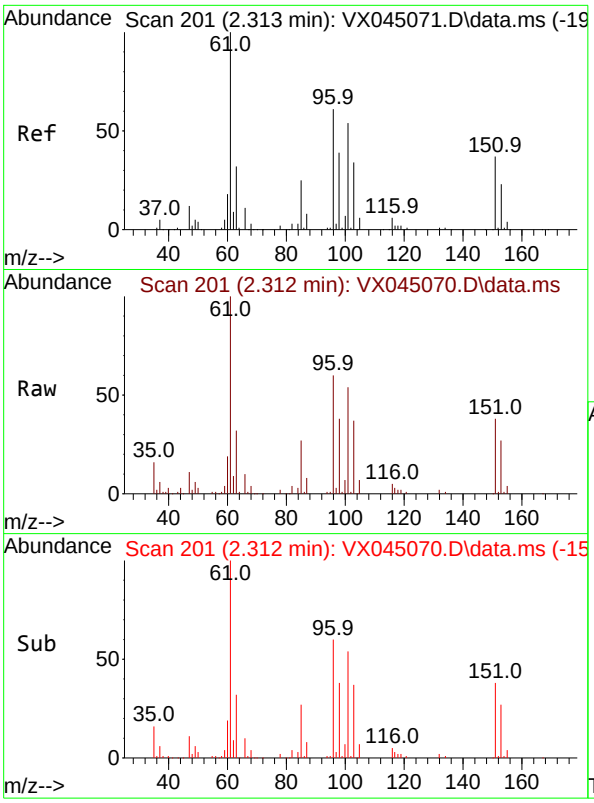


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



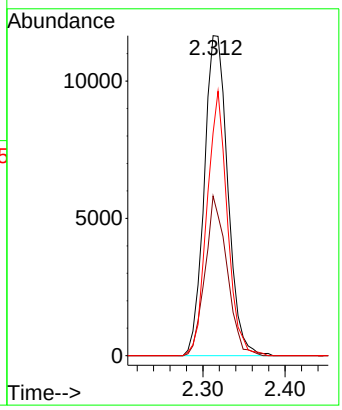


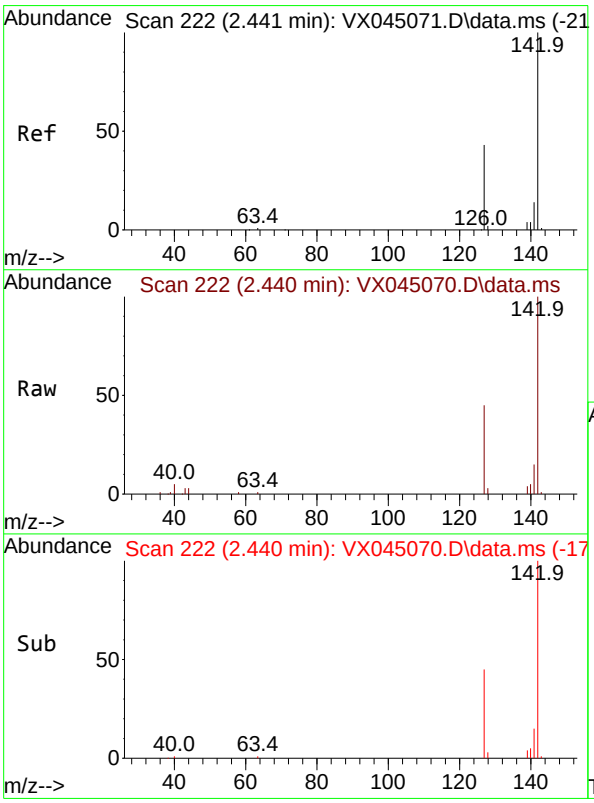
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 23154

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

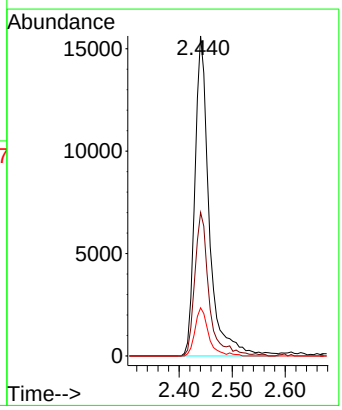


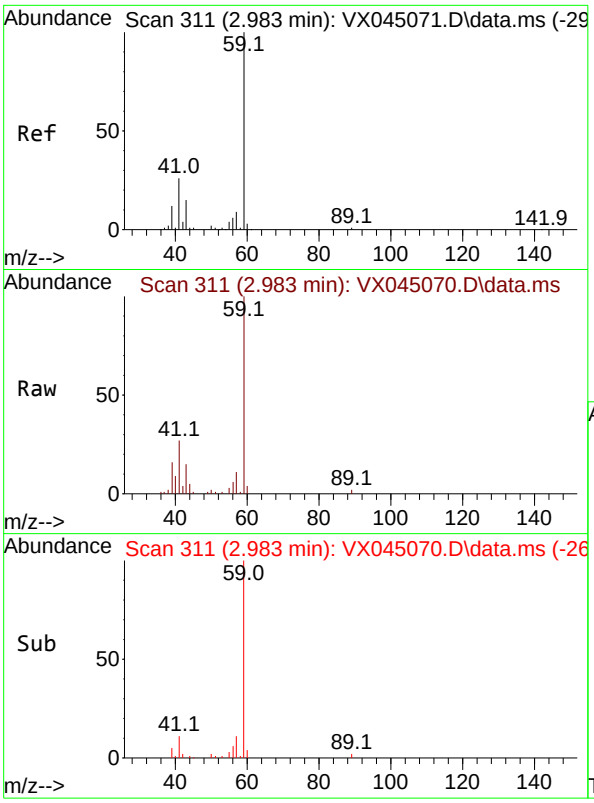


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4



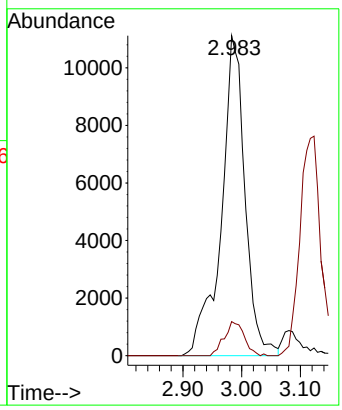


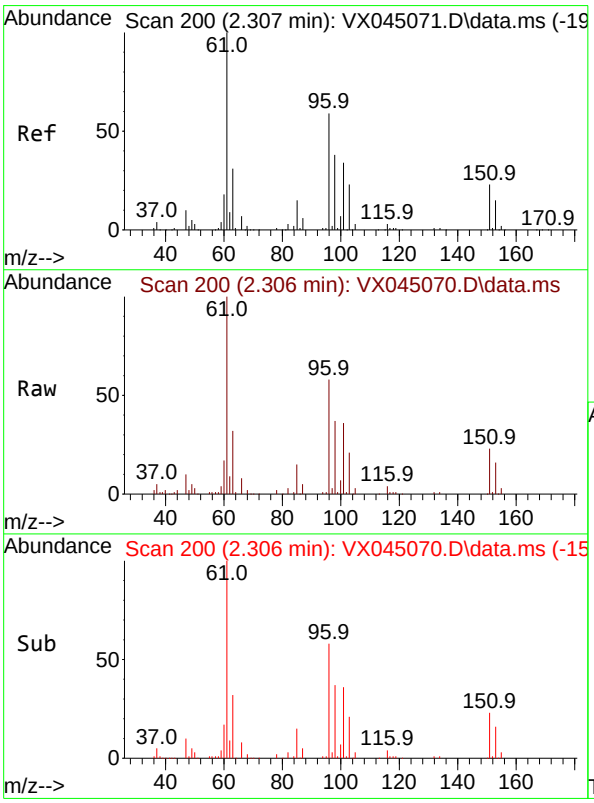
#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 31246

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8

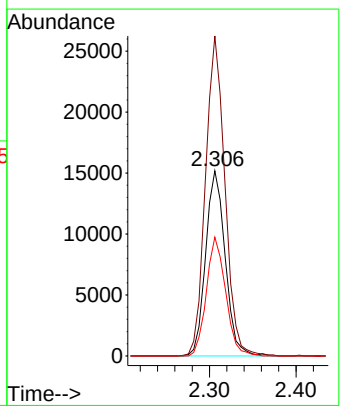


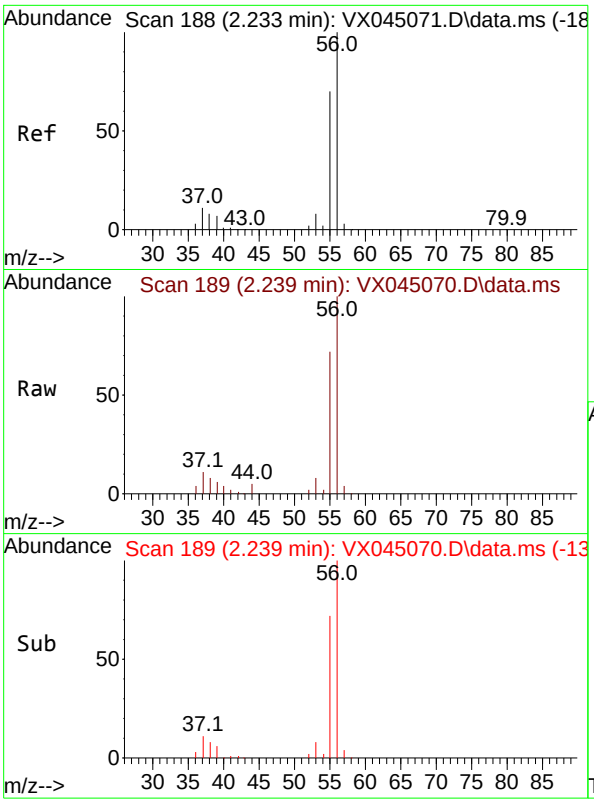


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6



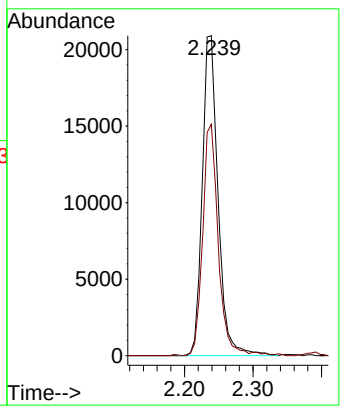


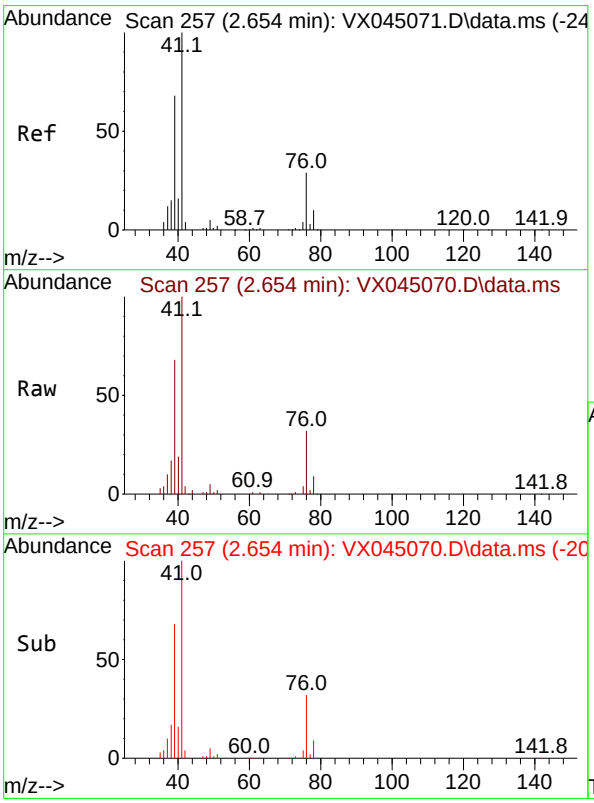
#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33586

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

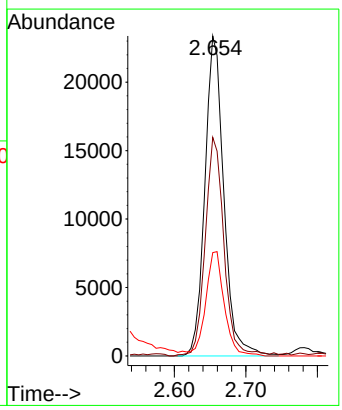


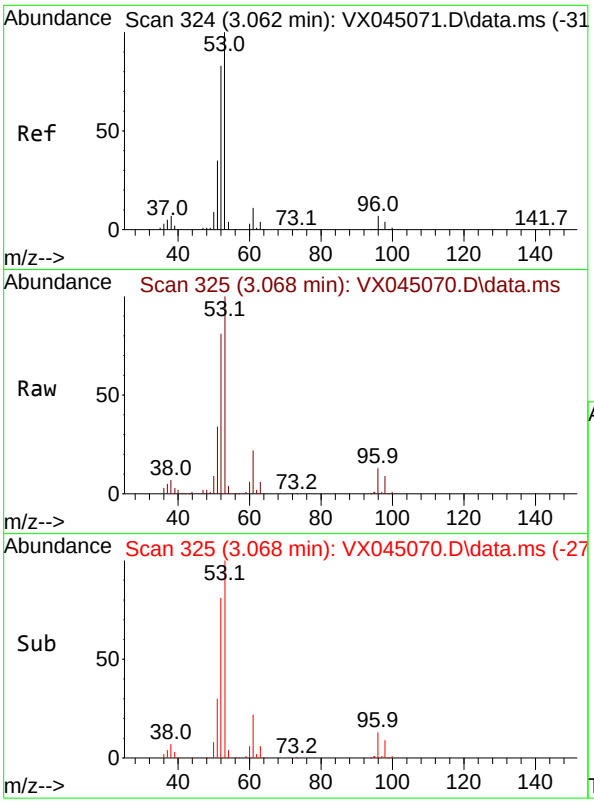


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8



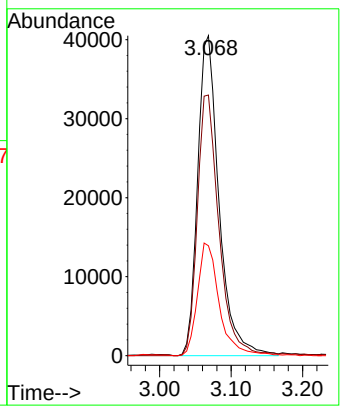


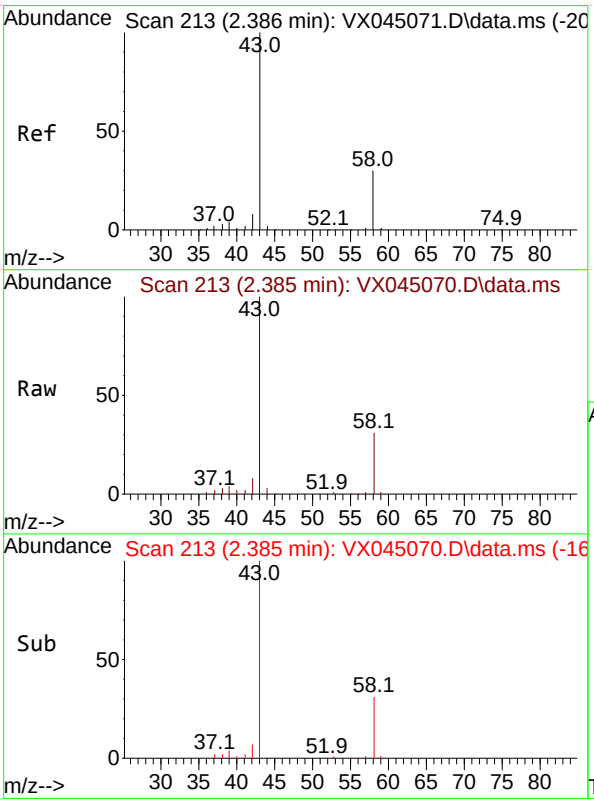
#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 84182

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4

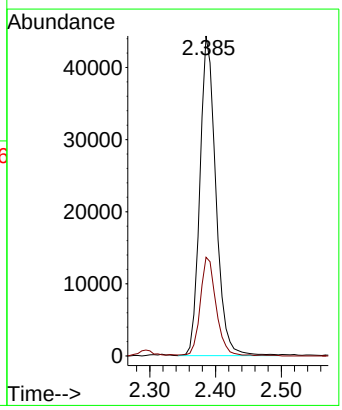


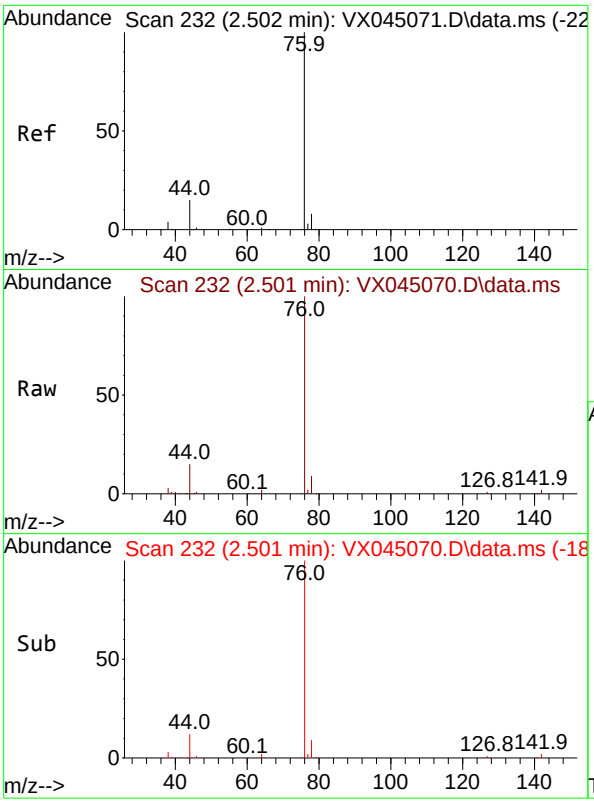


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



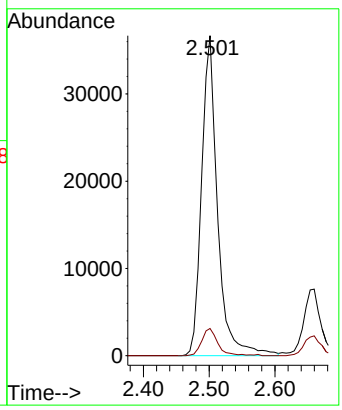


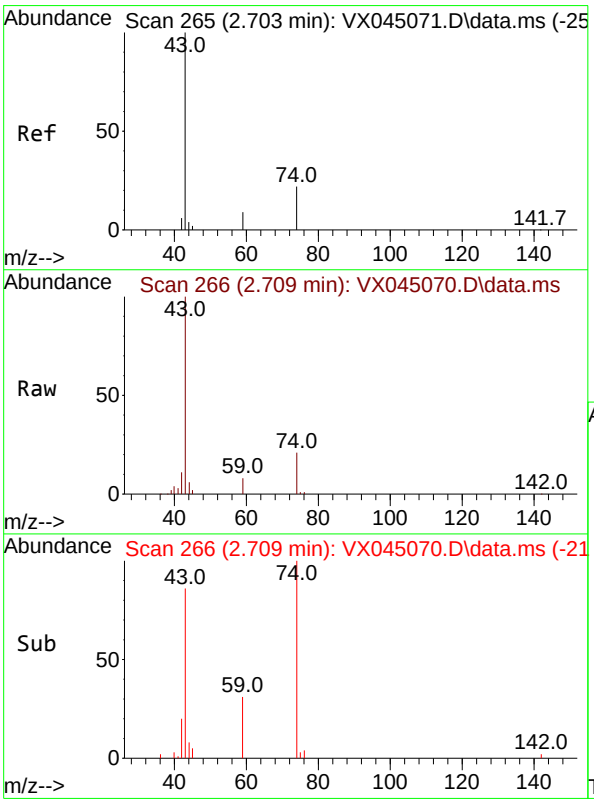
#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61802

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

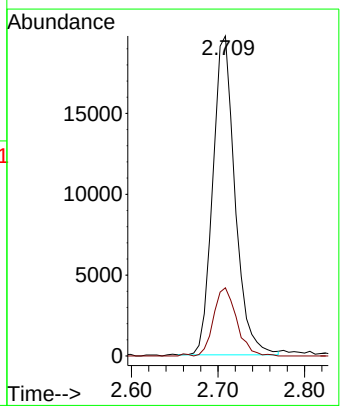


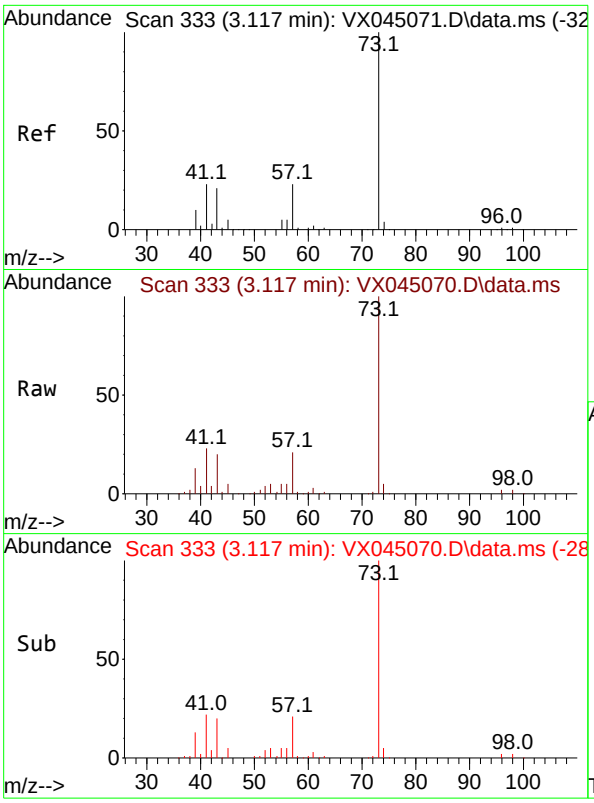


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



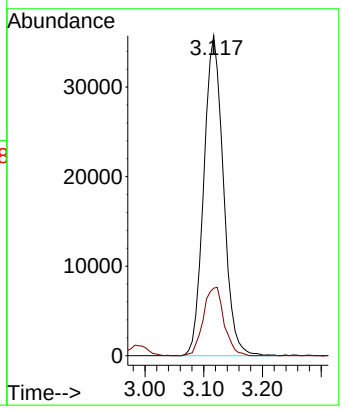


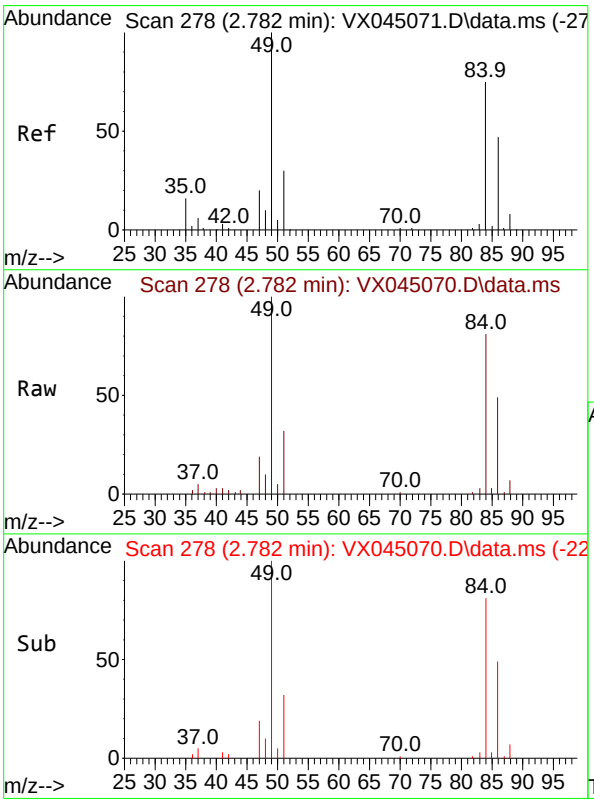
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 82833

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7

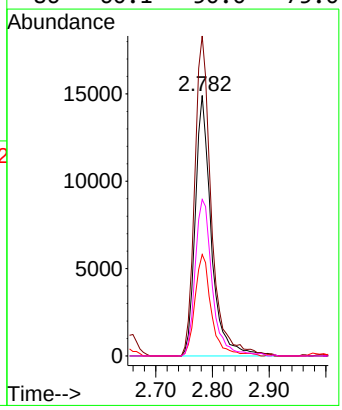


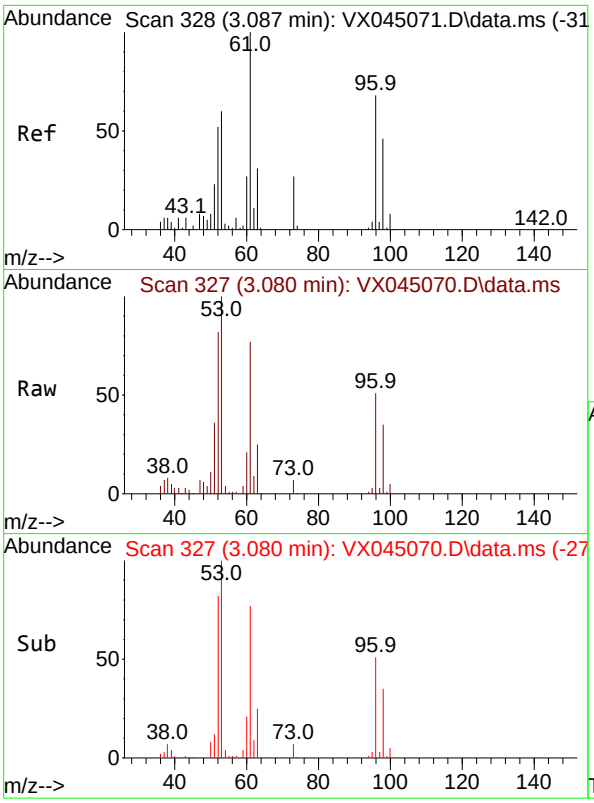


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0



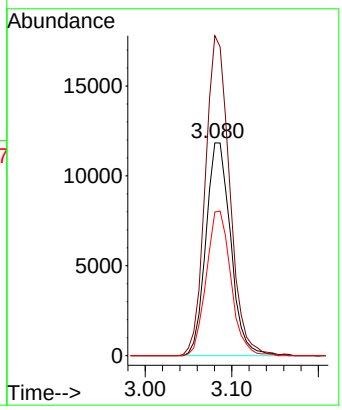


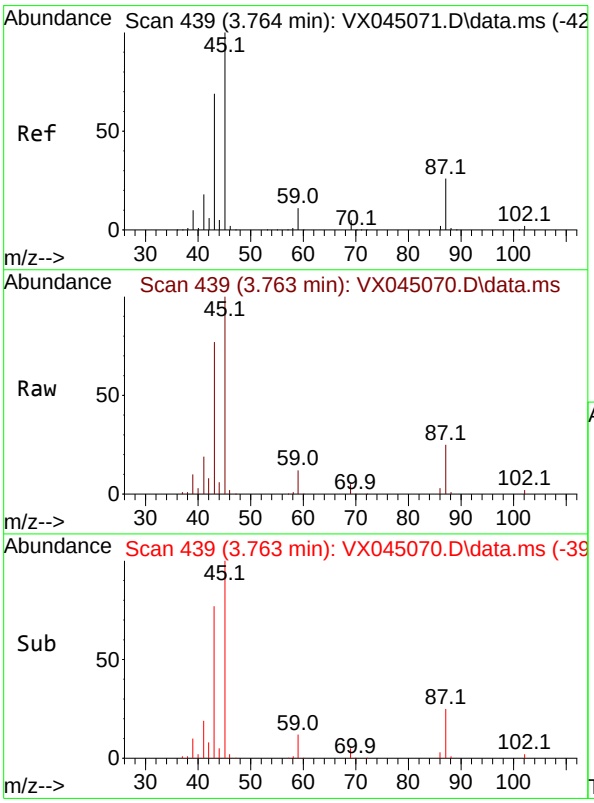
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 23471

Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2

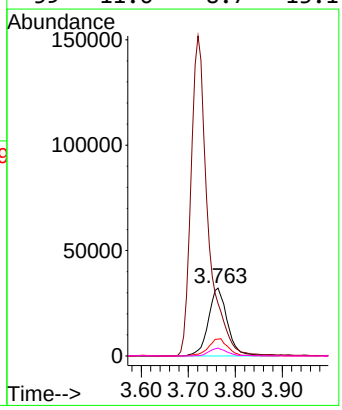


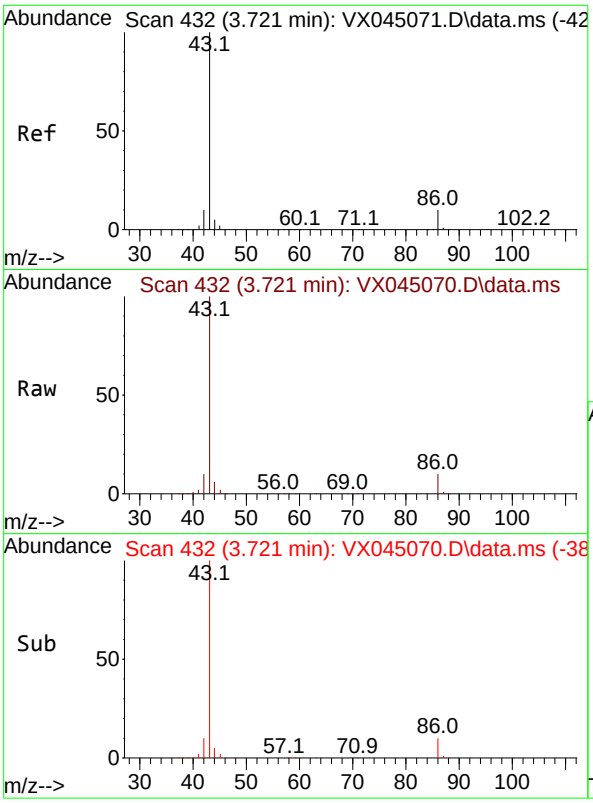


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1



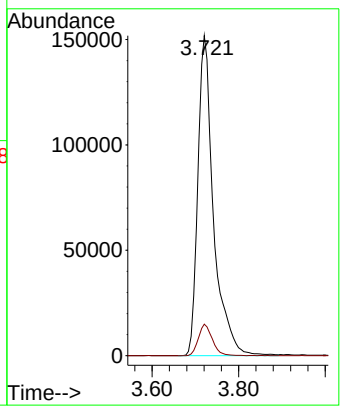


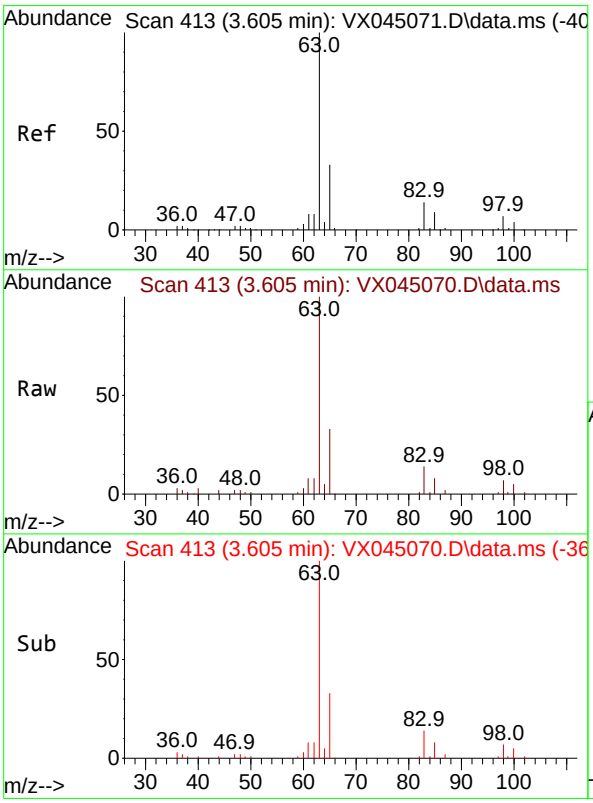
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

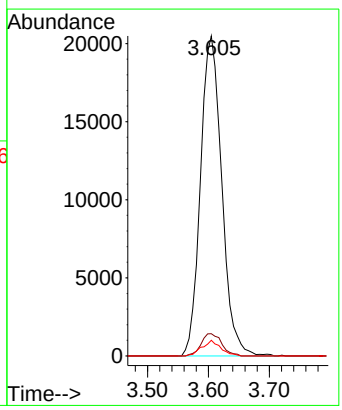


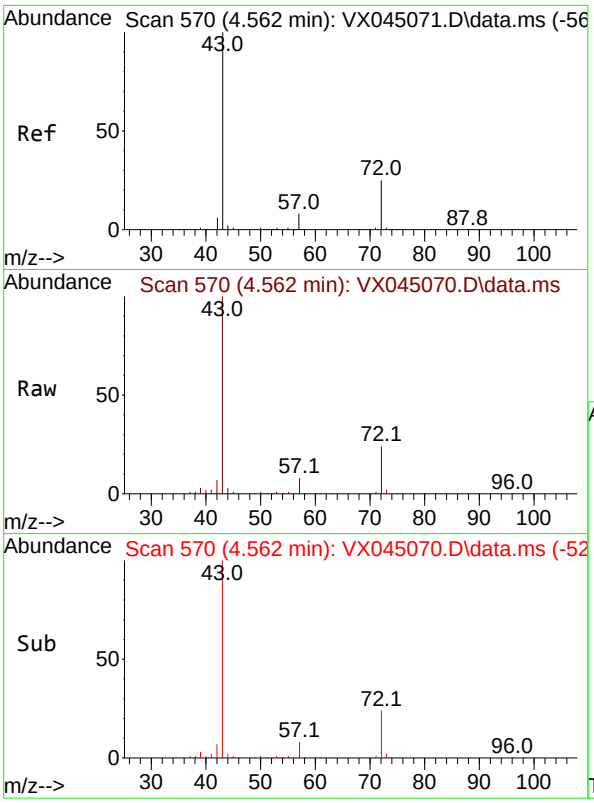


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5



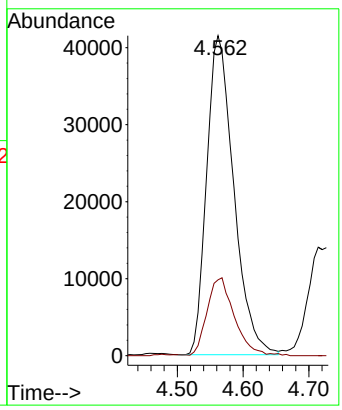


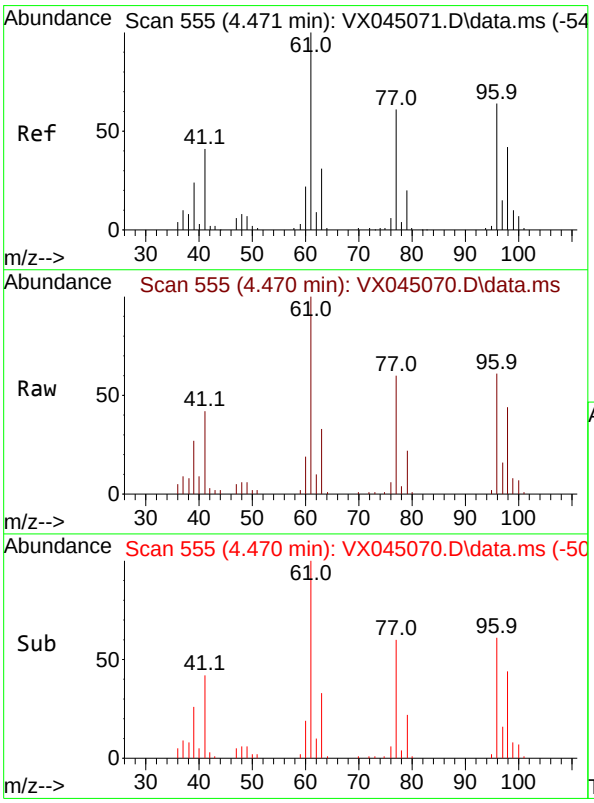
#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 118713

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

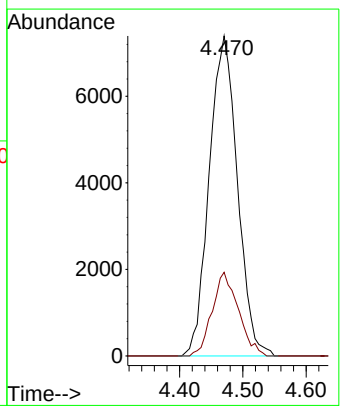


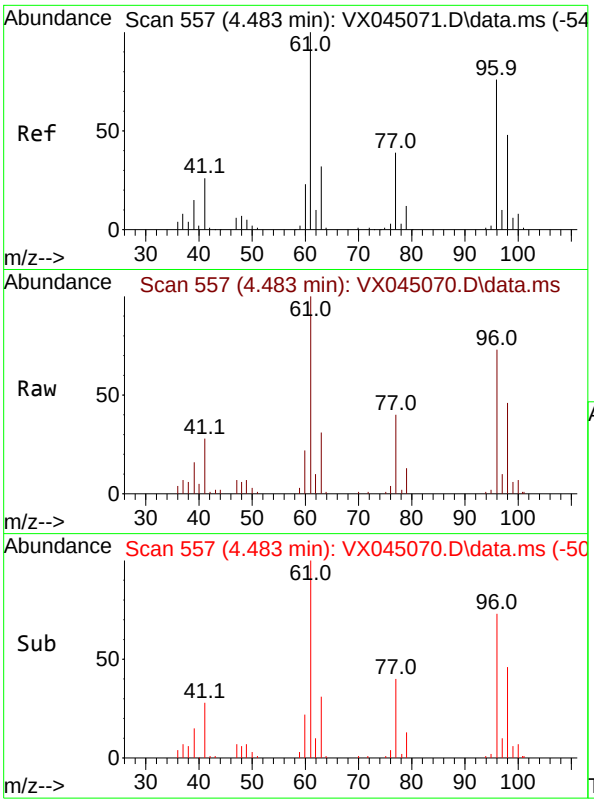


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



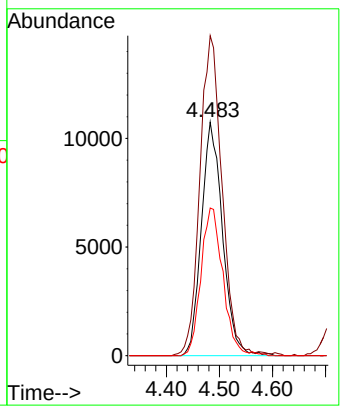


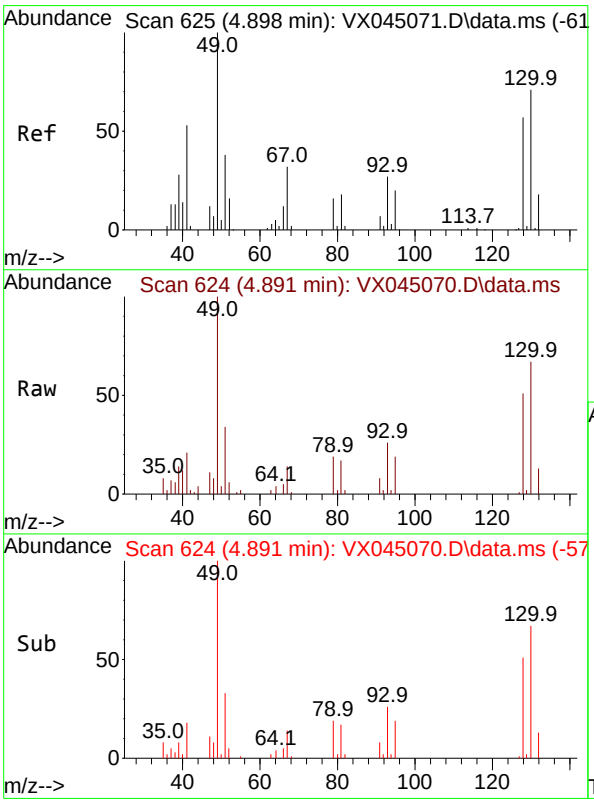
#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 29788

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0

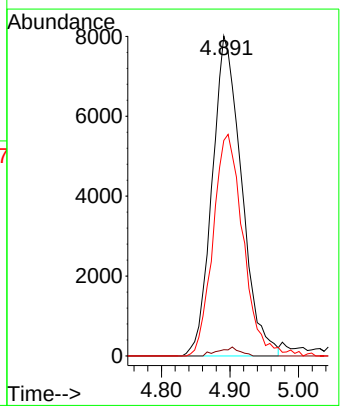


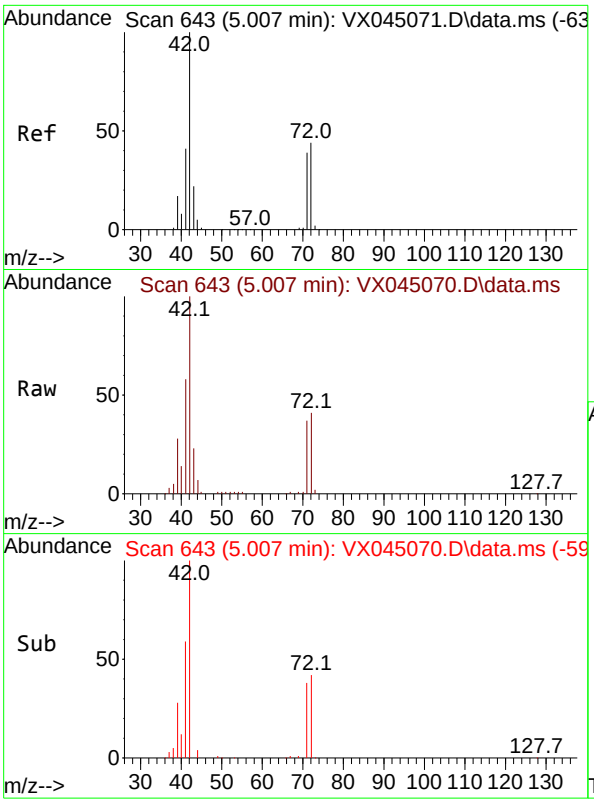


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1



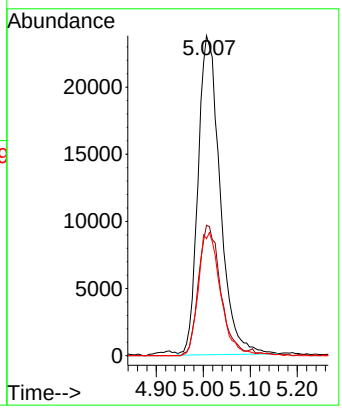


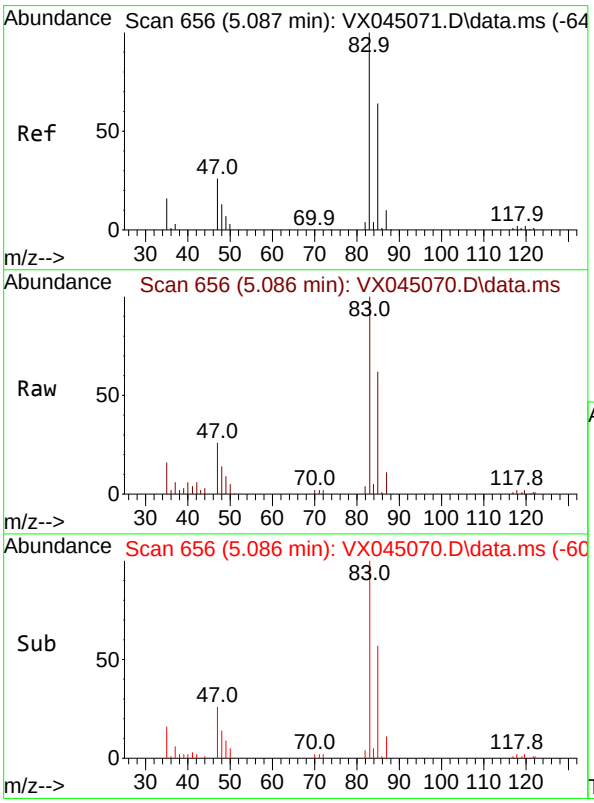
#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 77433

Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

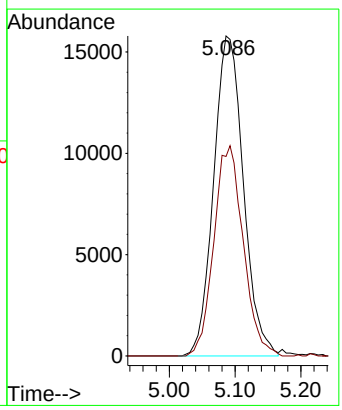


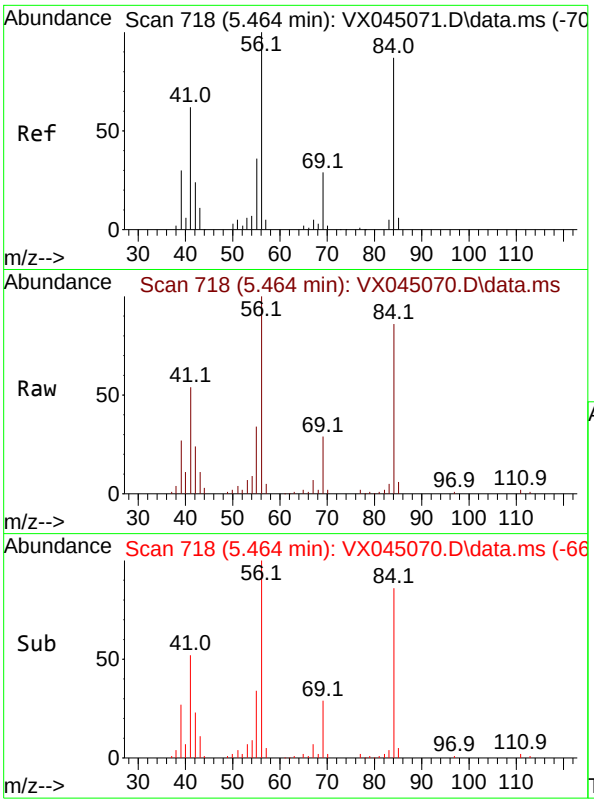


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2



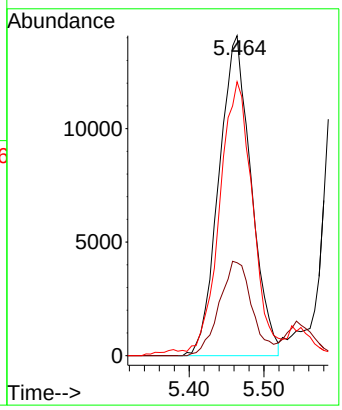


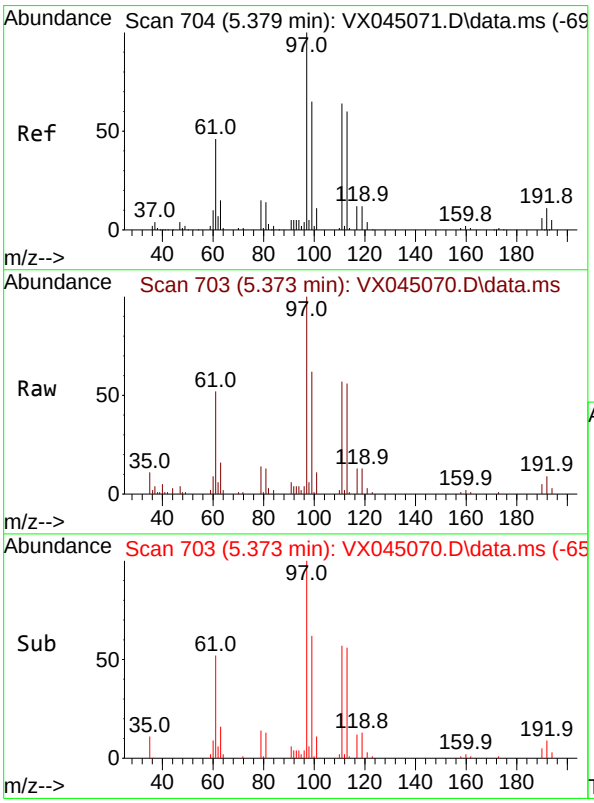
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 42340

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2

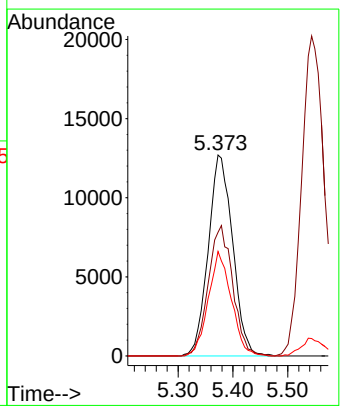


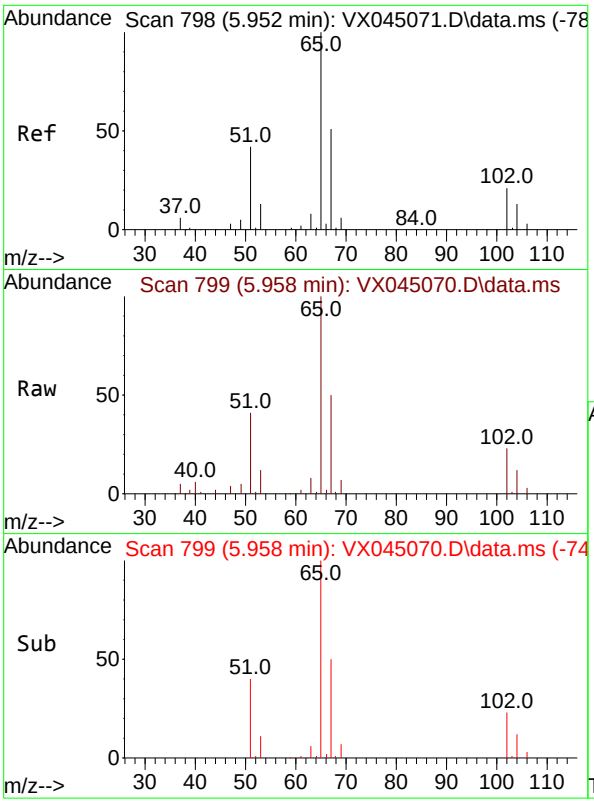


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6



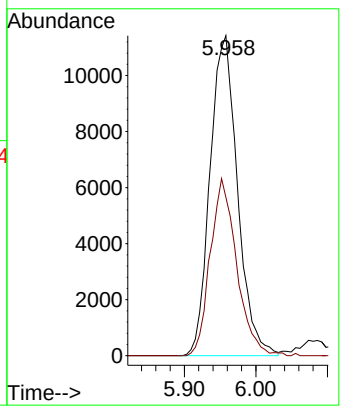


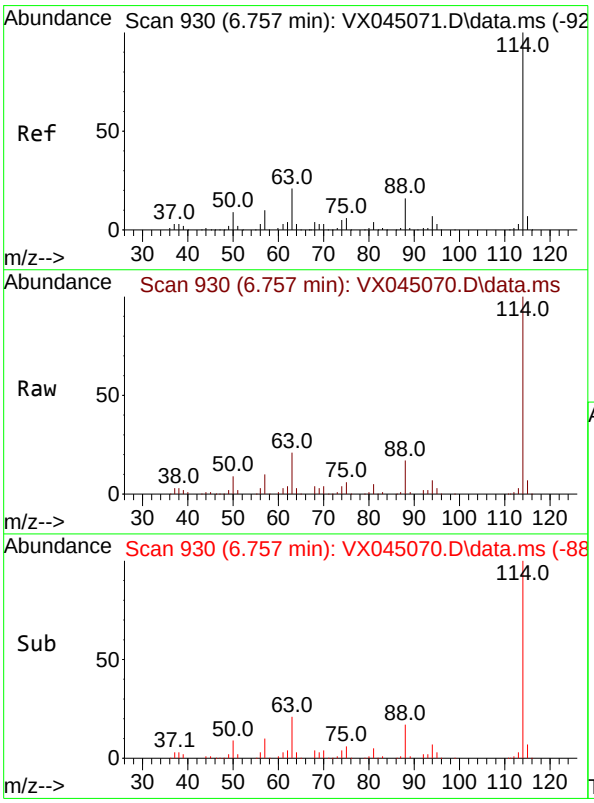
#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2

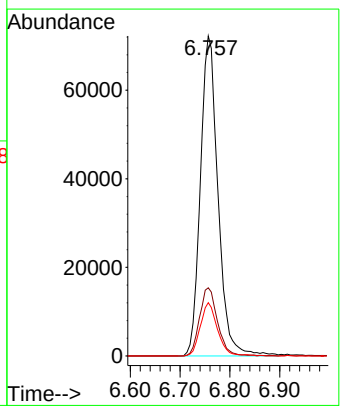


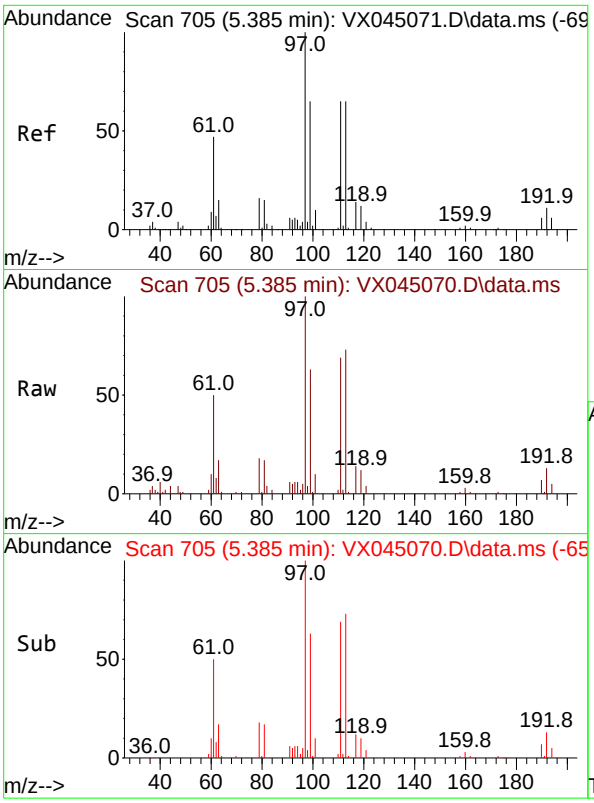


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8



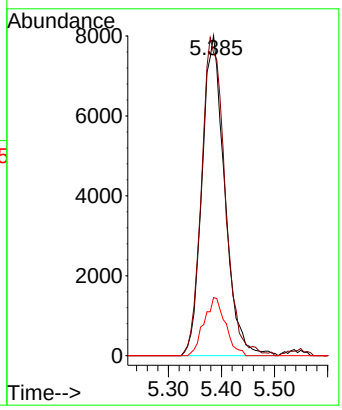


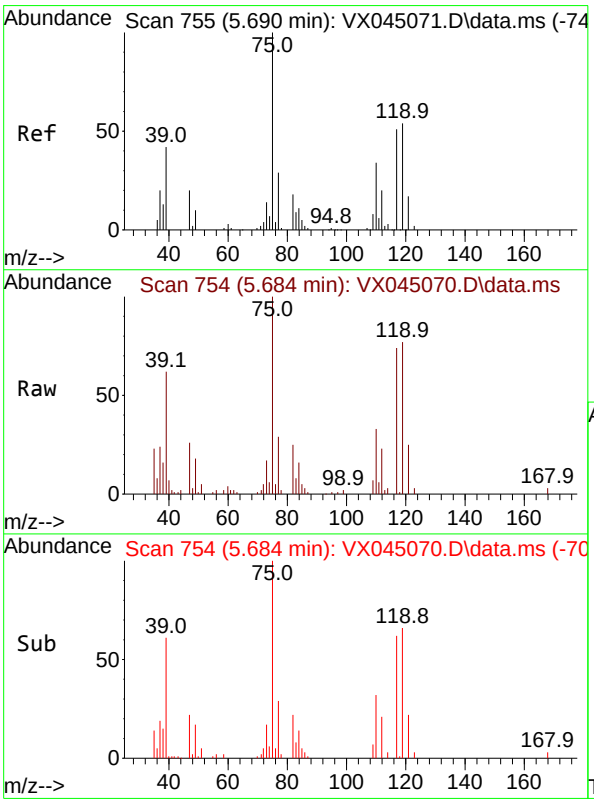
#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 23739

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

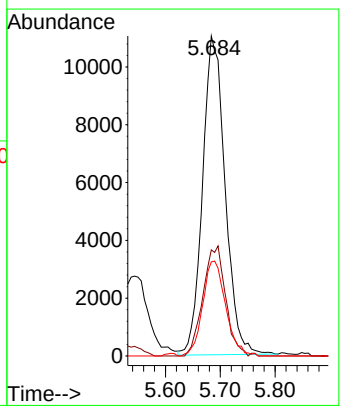


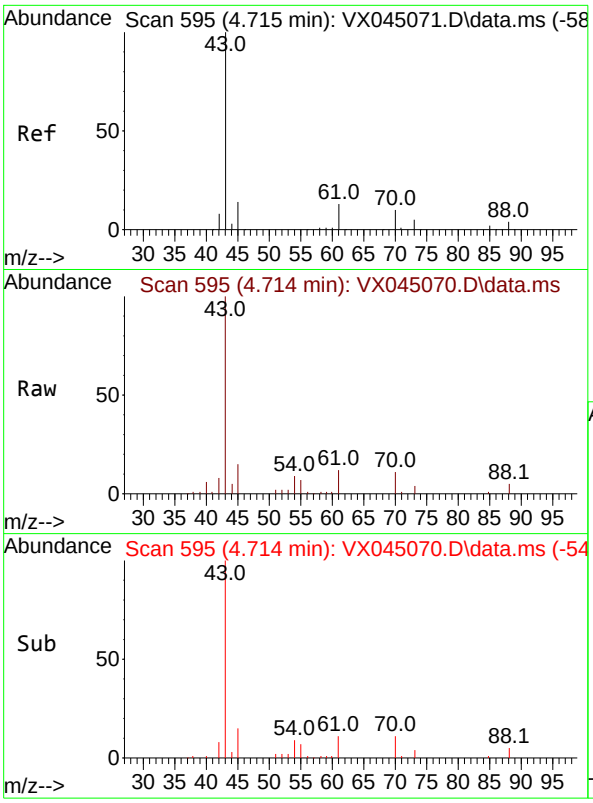


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7



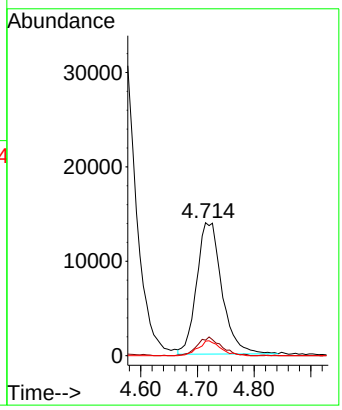


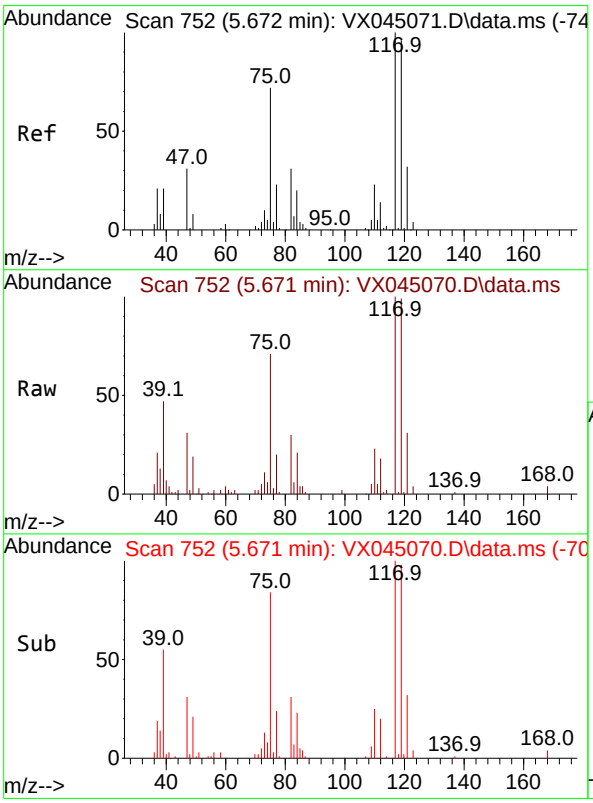
#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 43097

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5

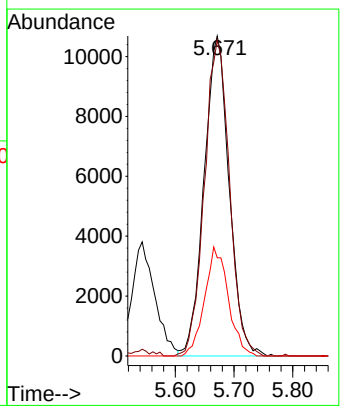


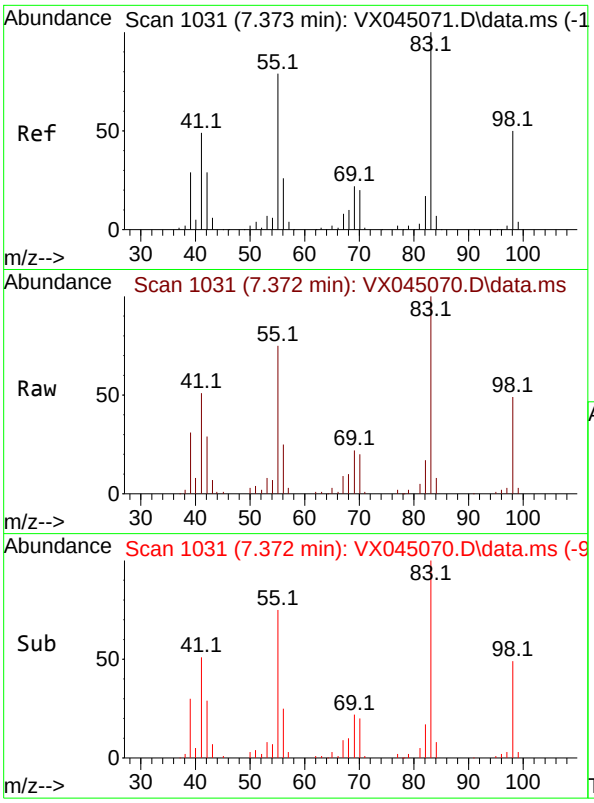


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3



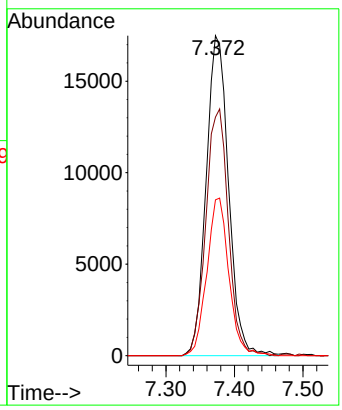


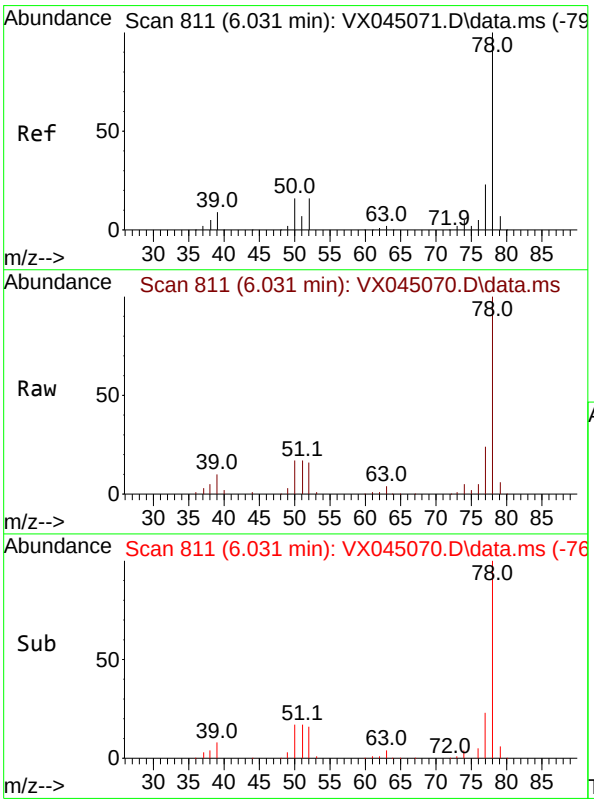
#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 39769

Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5

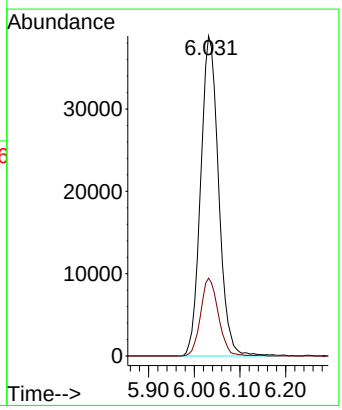


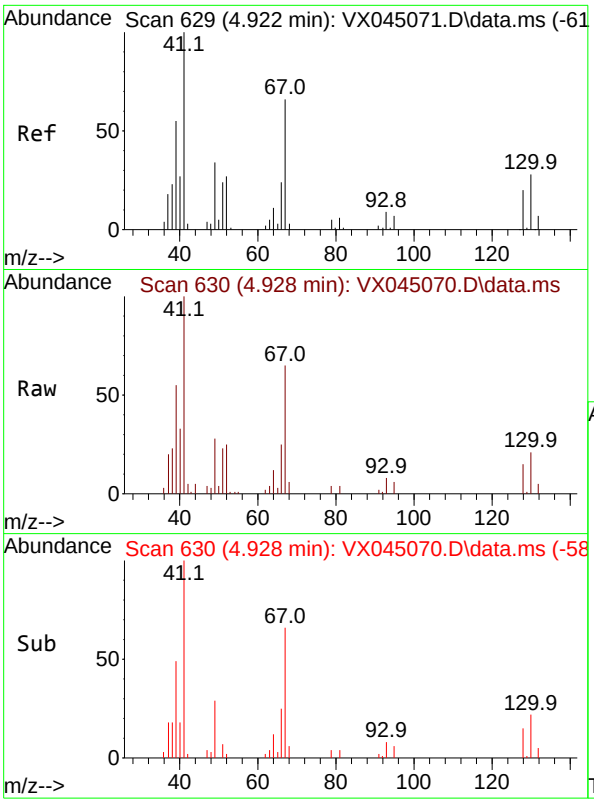


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



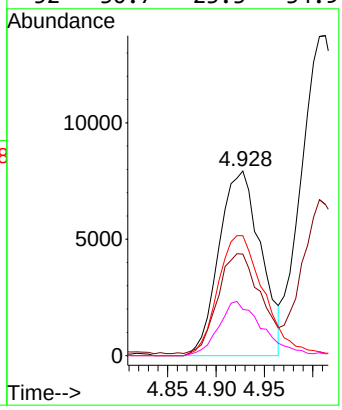


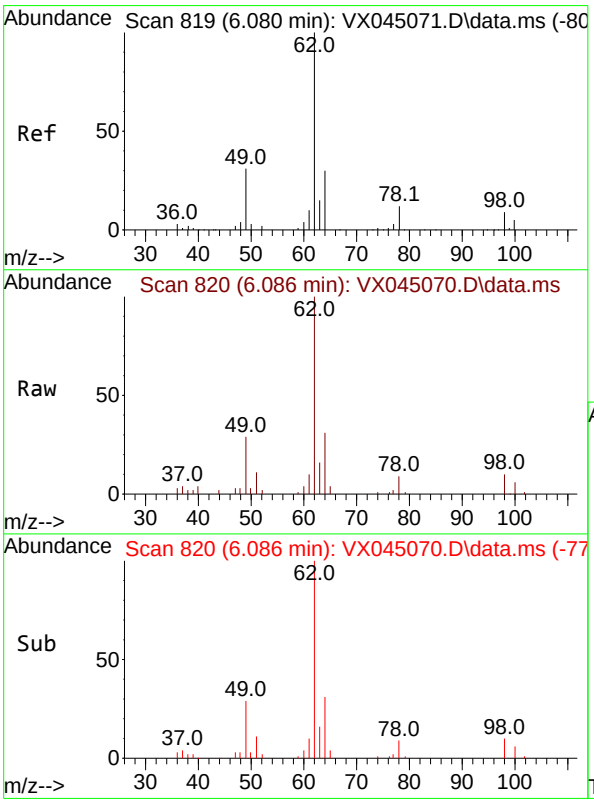
#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 23924

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9

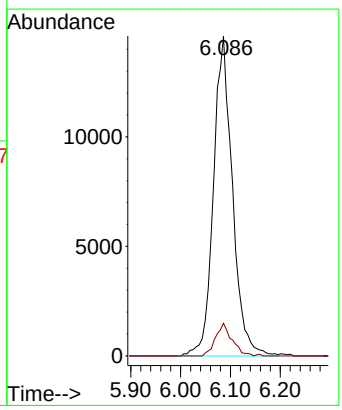


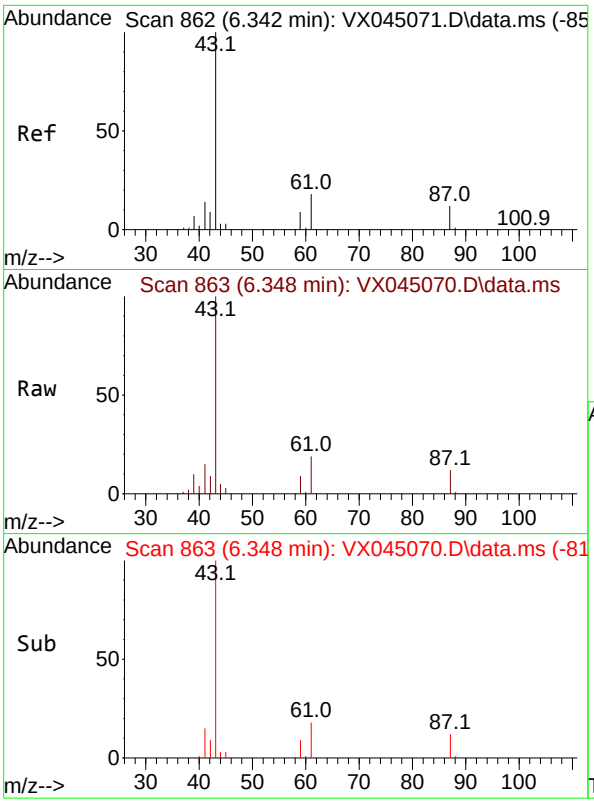


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



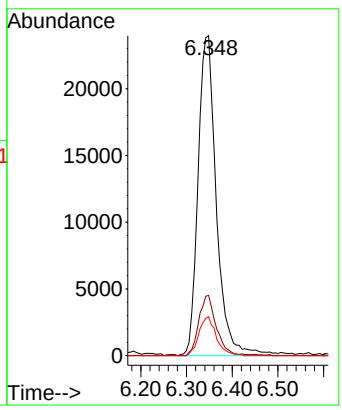


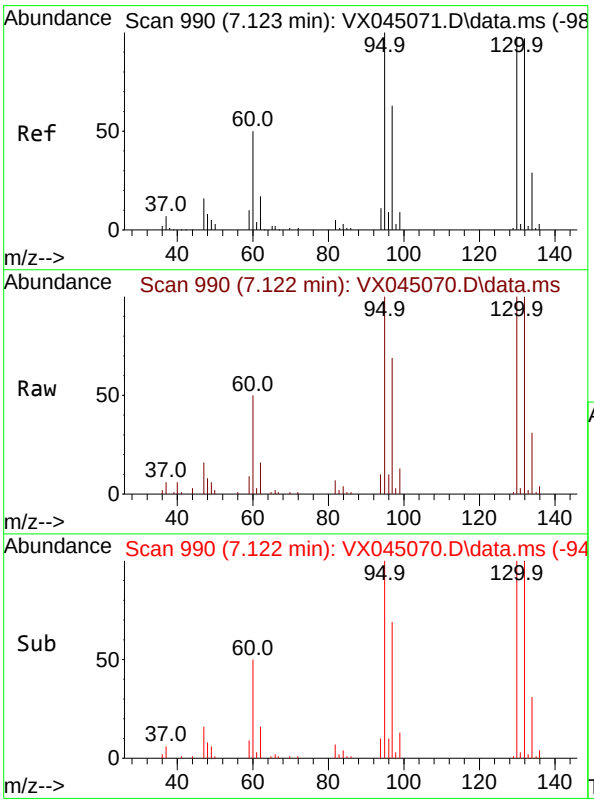
#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66727

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

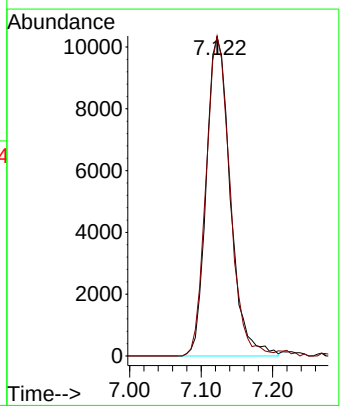


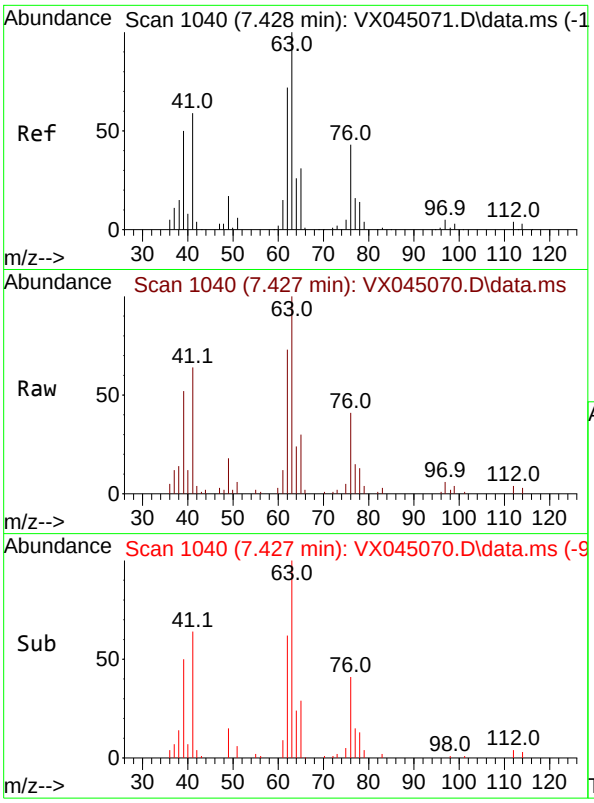


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



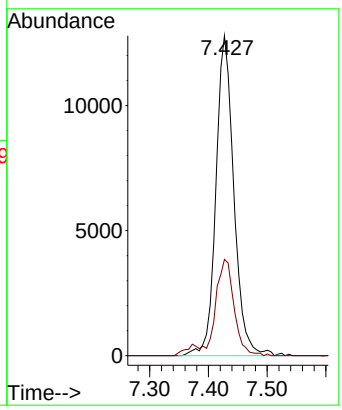


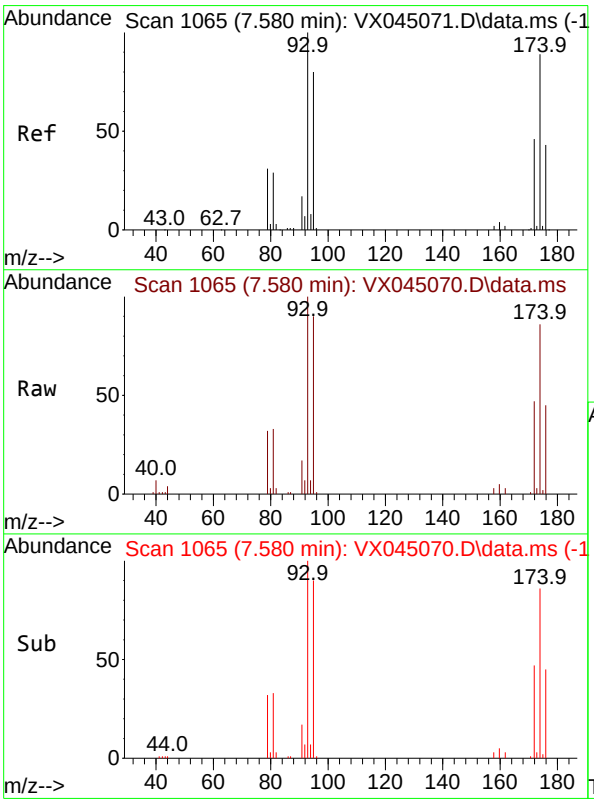
#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 27128

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

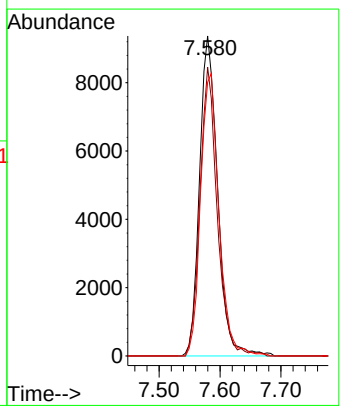


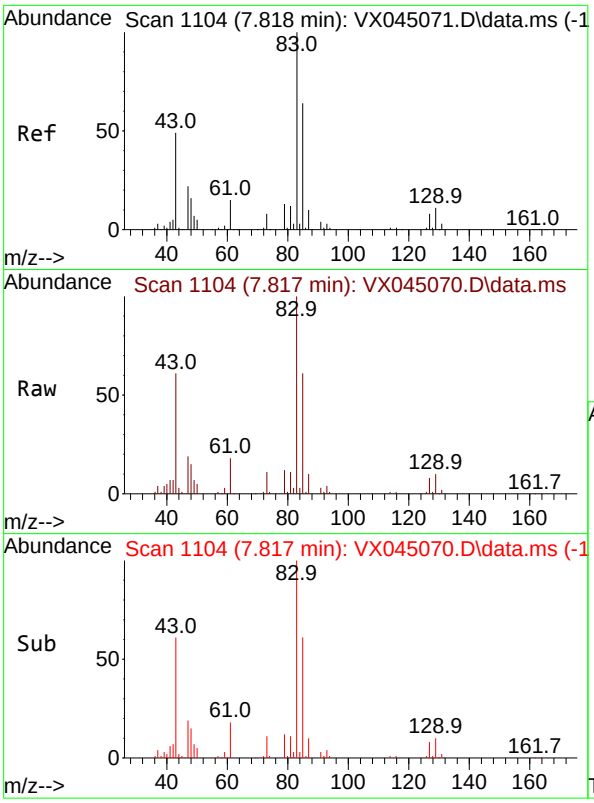


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2



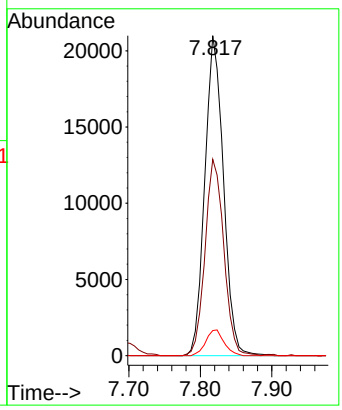


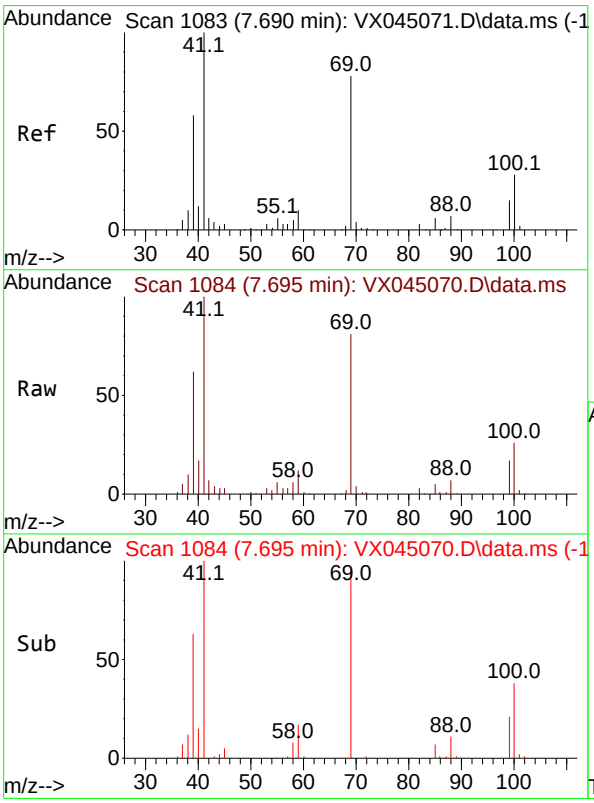
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 38038

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6

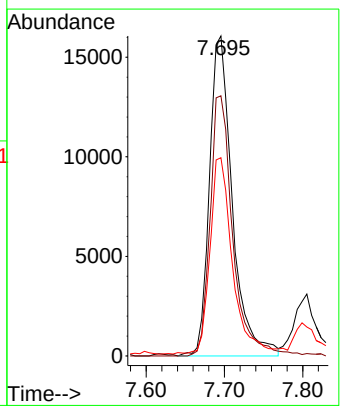


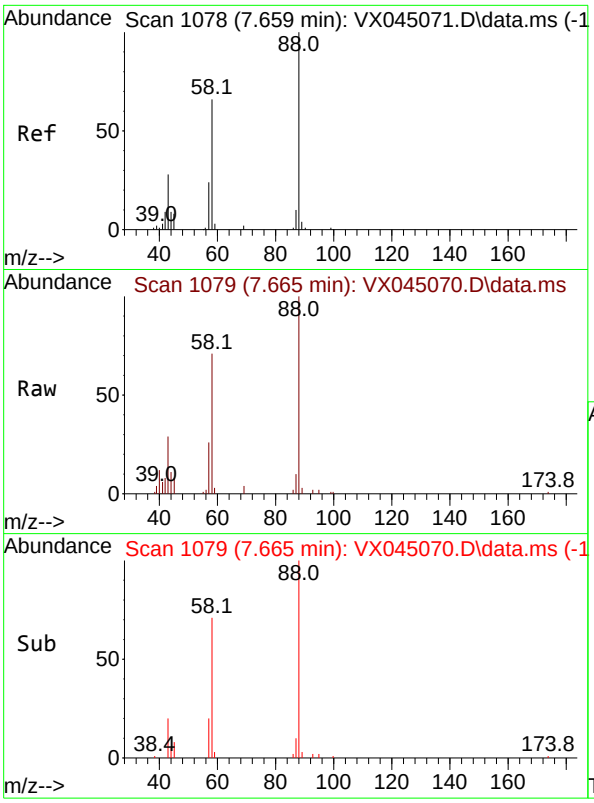


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3



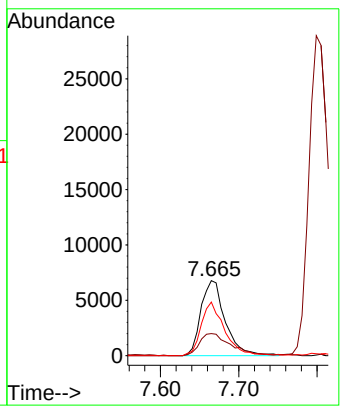


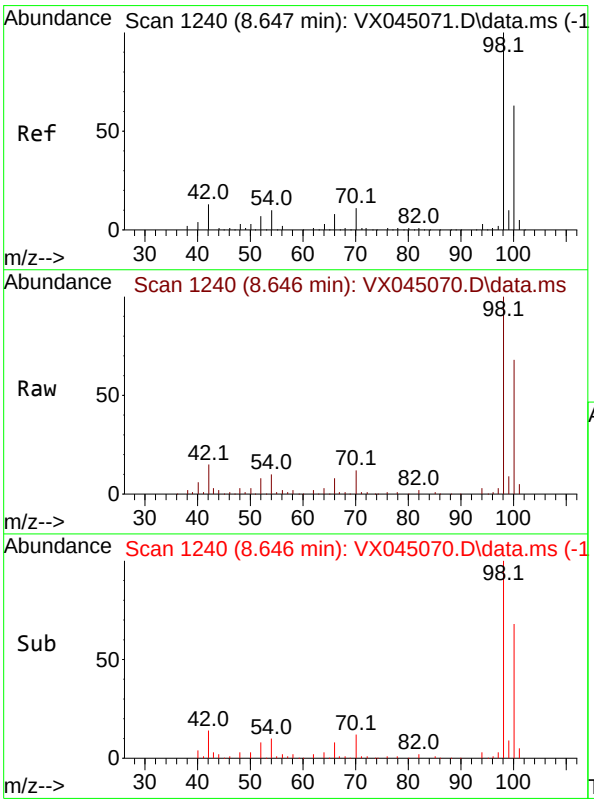
#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 14602

Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8

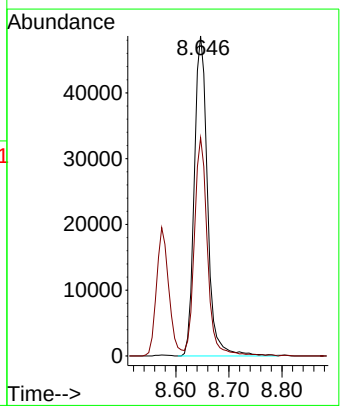


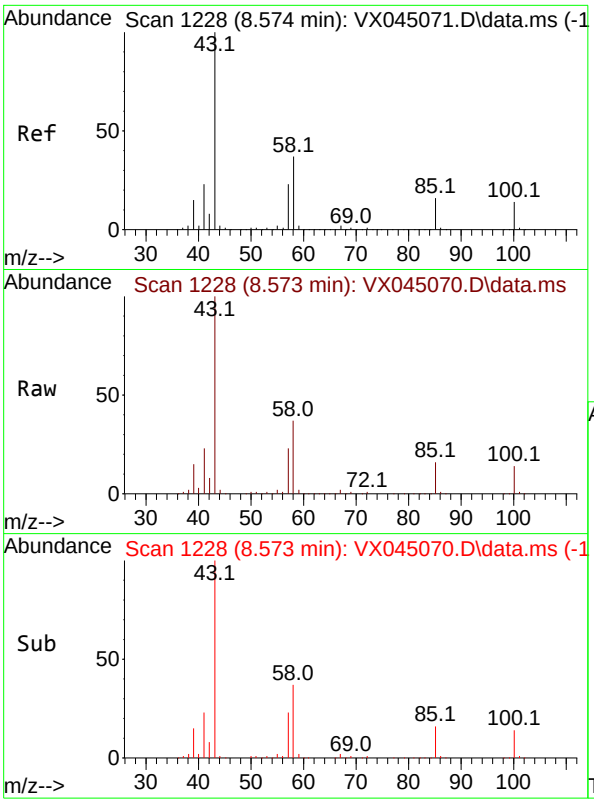


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



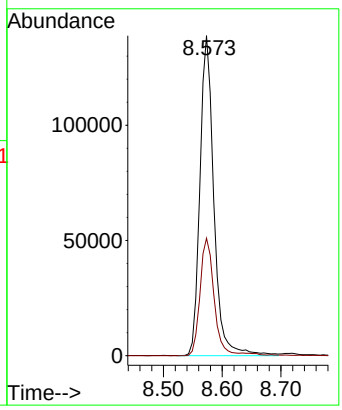


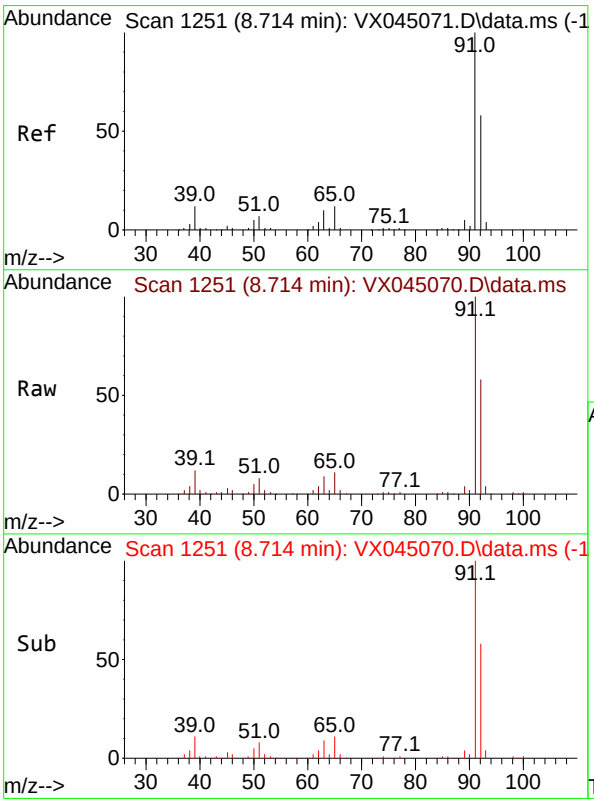
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 229615

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

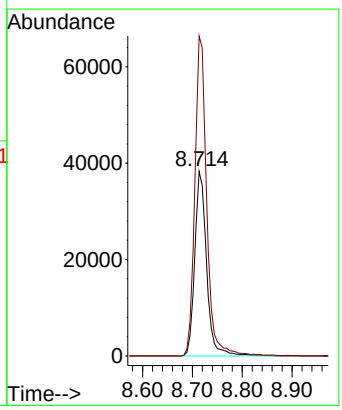


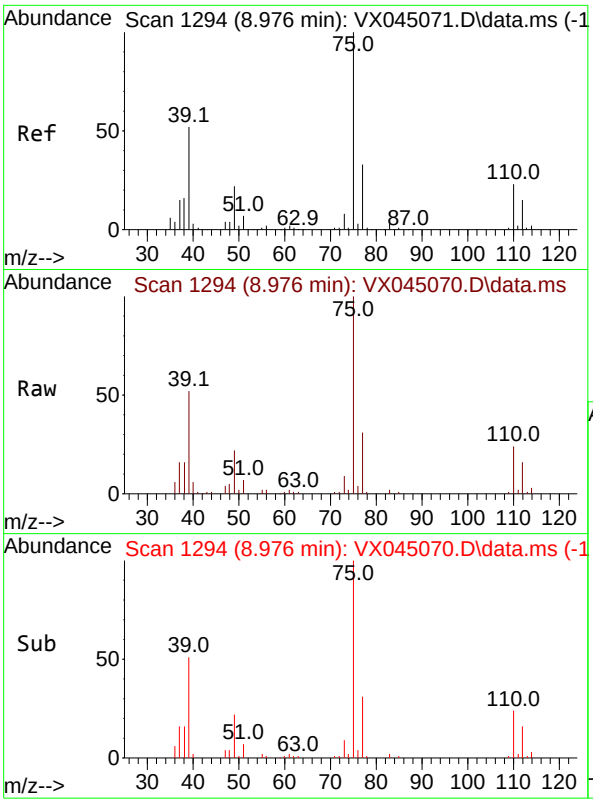


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



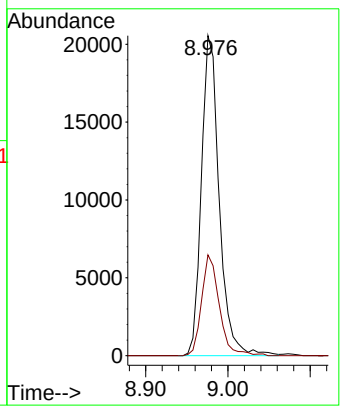


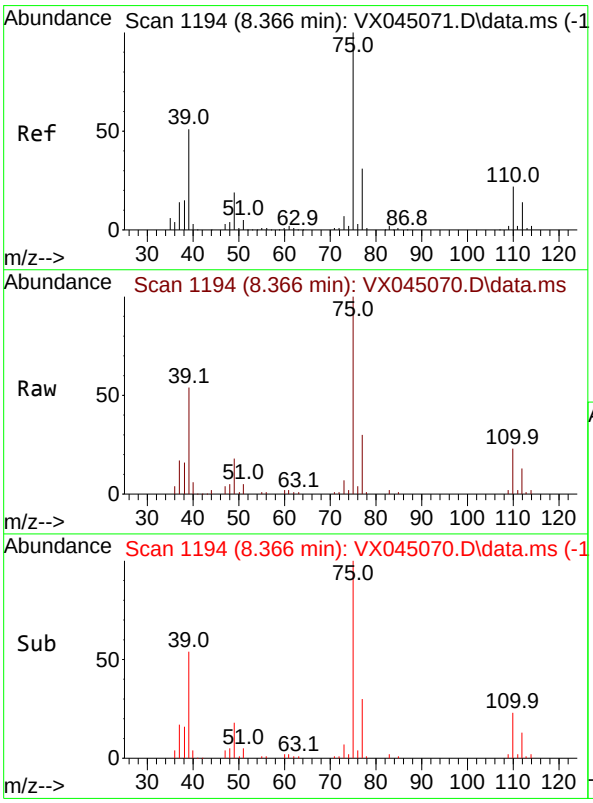
#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

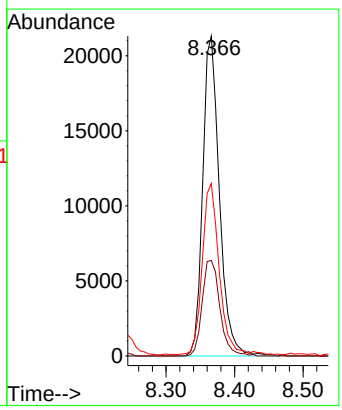


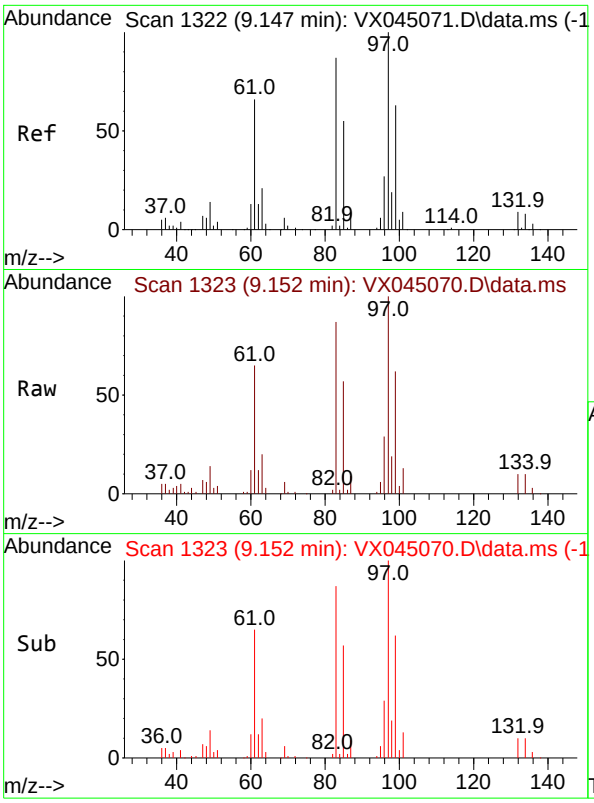


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1



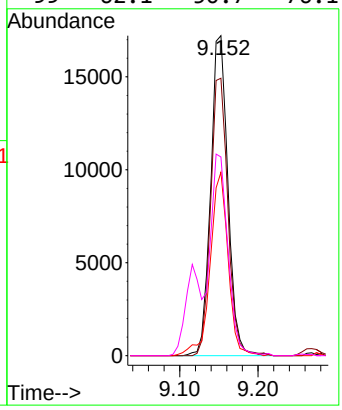


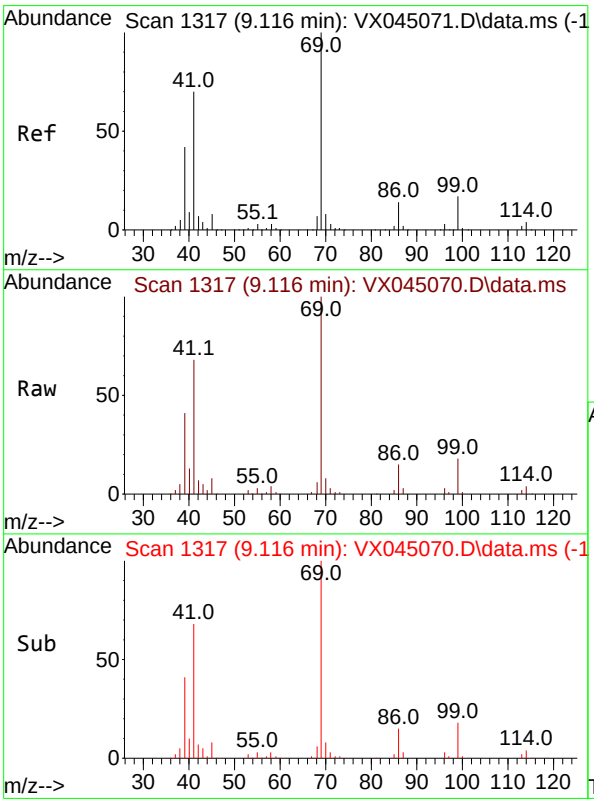
#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 26358

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1

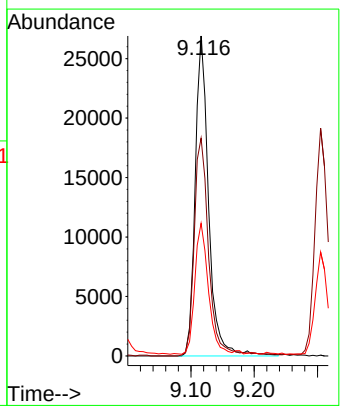


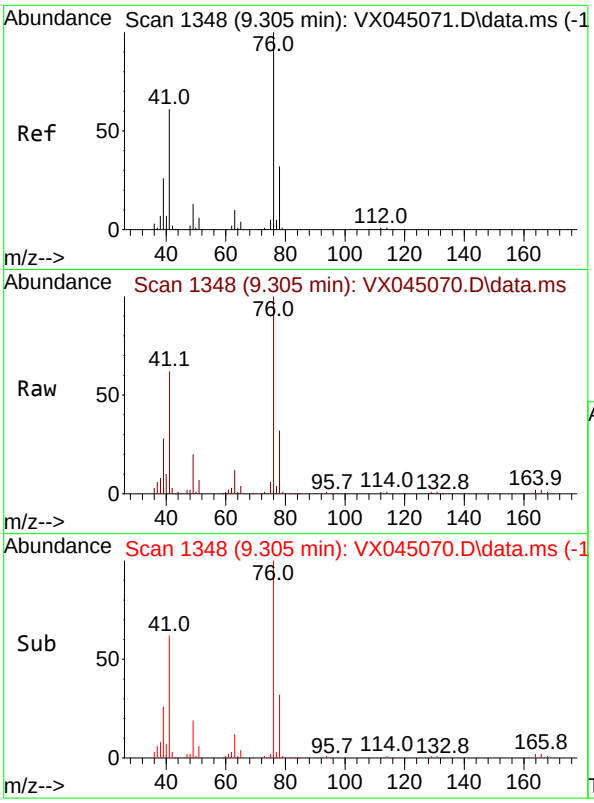


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4



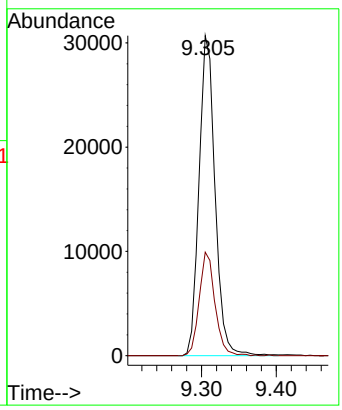


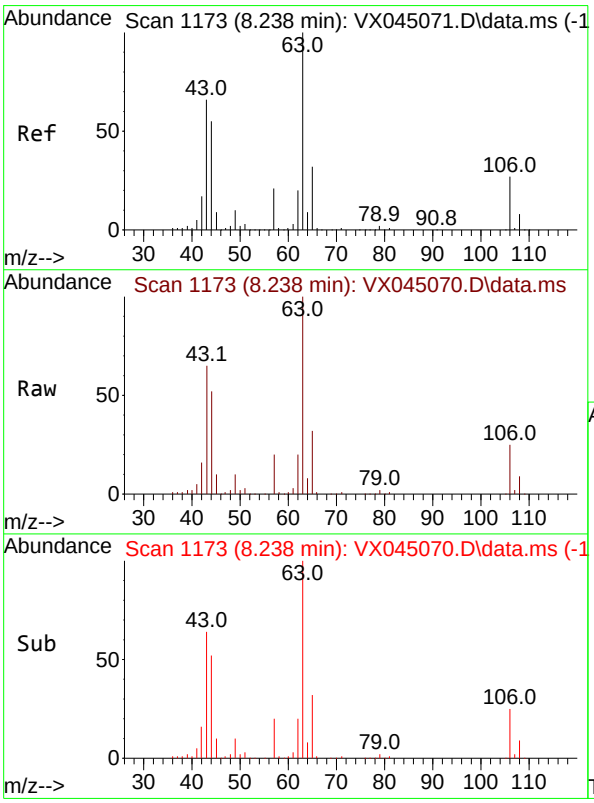
#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

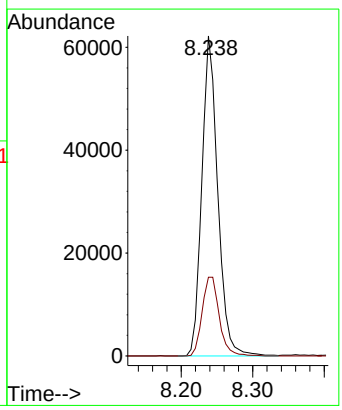


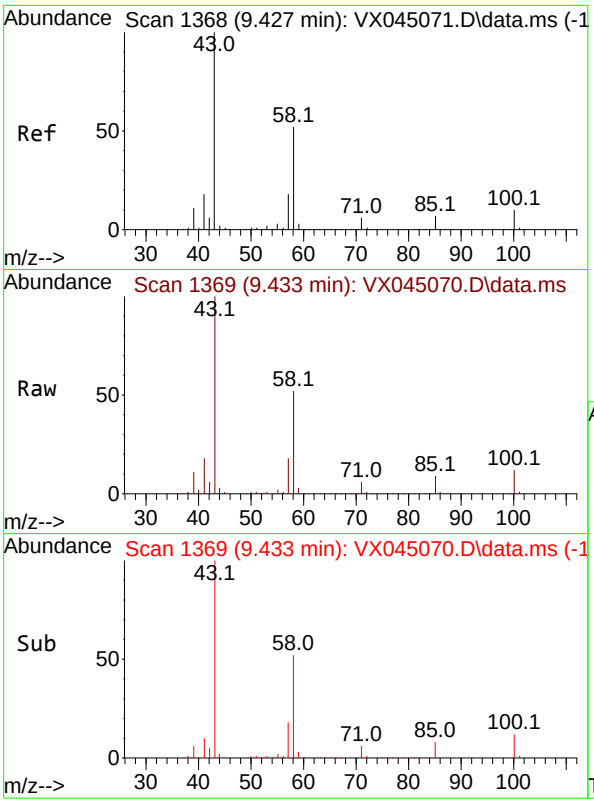


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



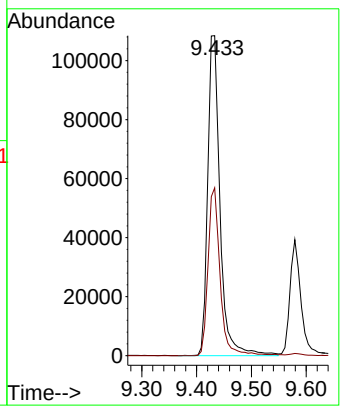


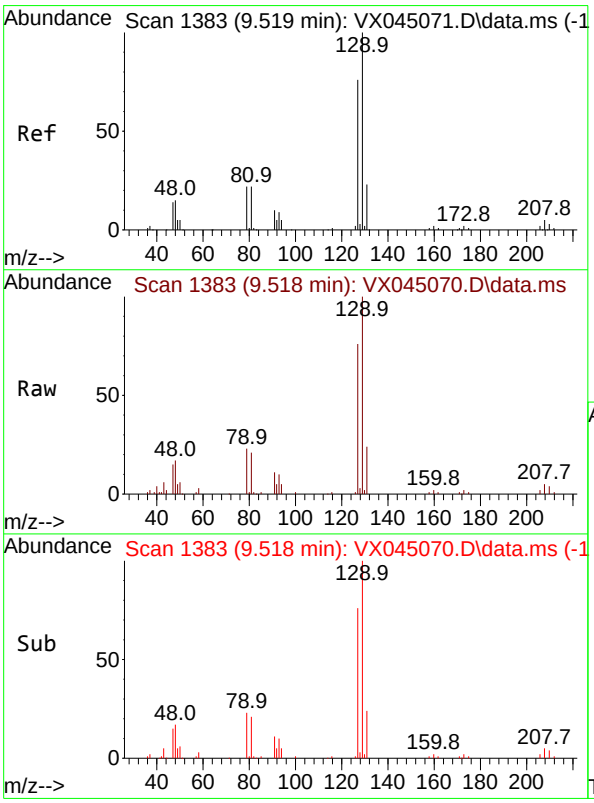
#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

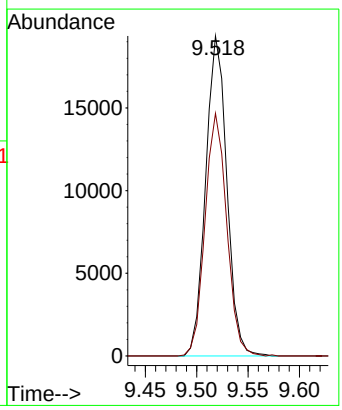


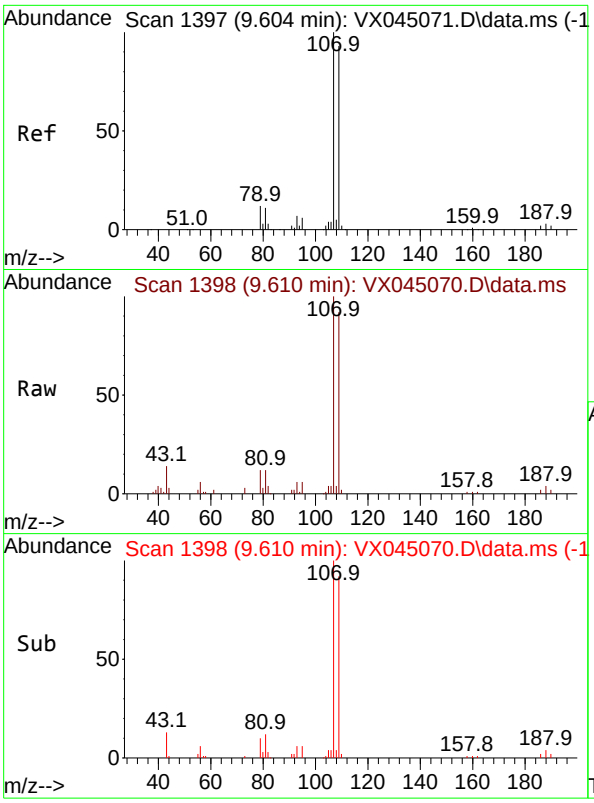


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



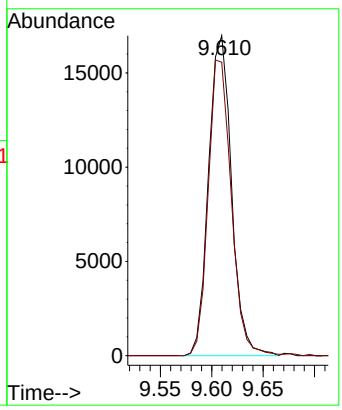


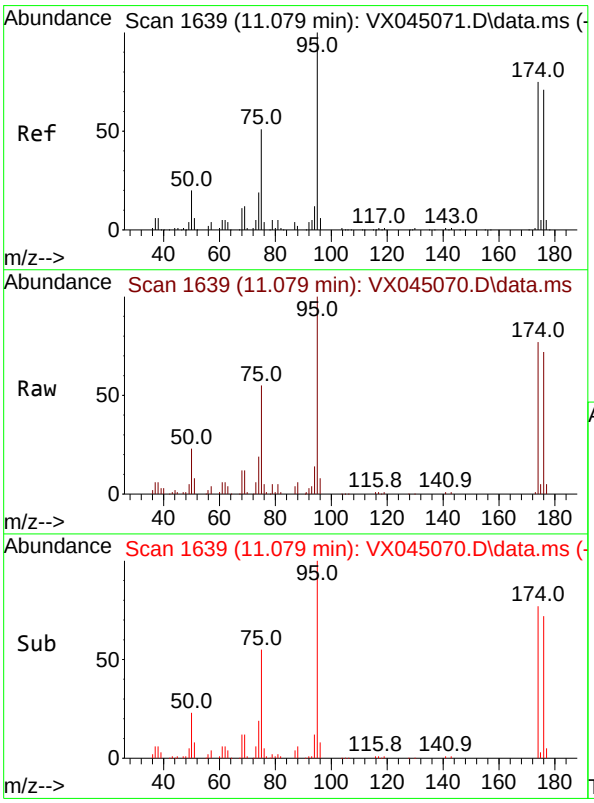
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26311

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

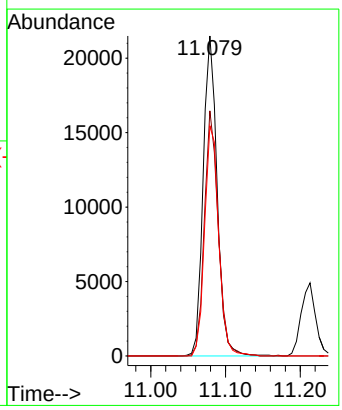


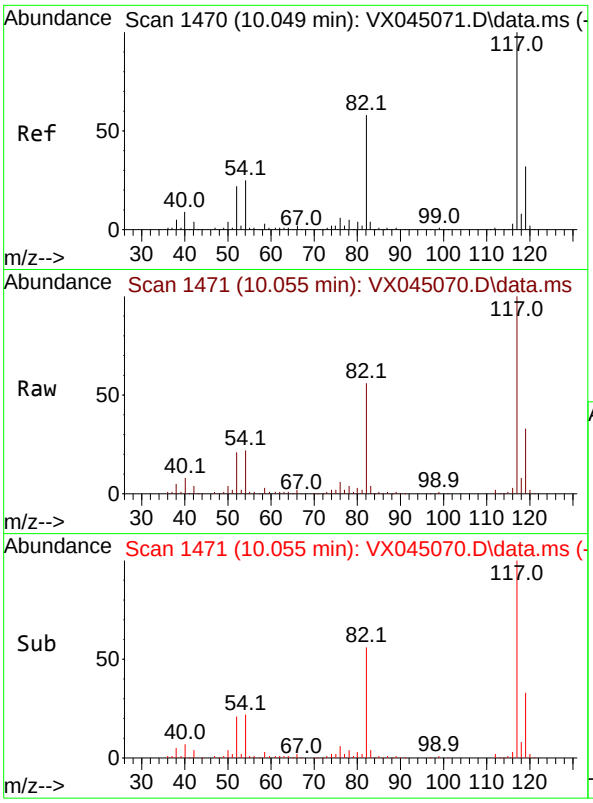


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4



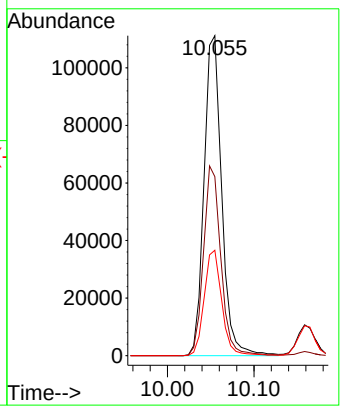


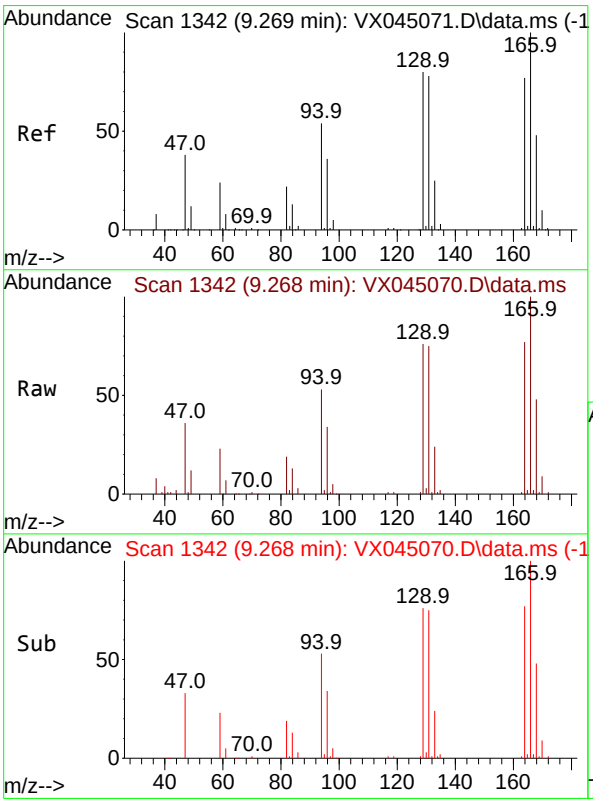
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 157714

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5

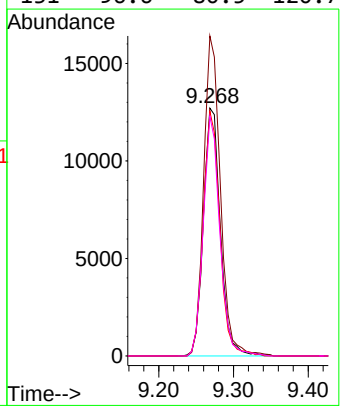


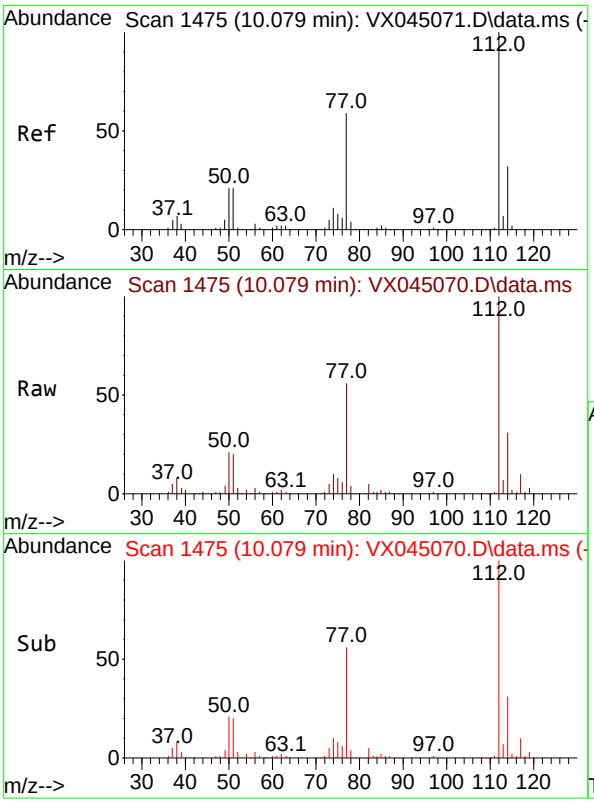


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7



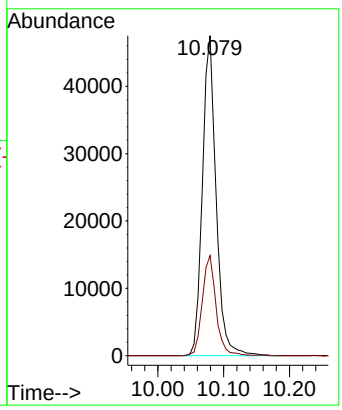


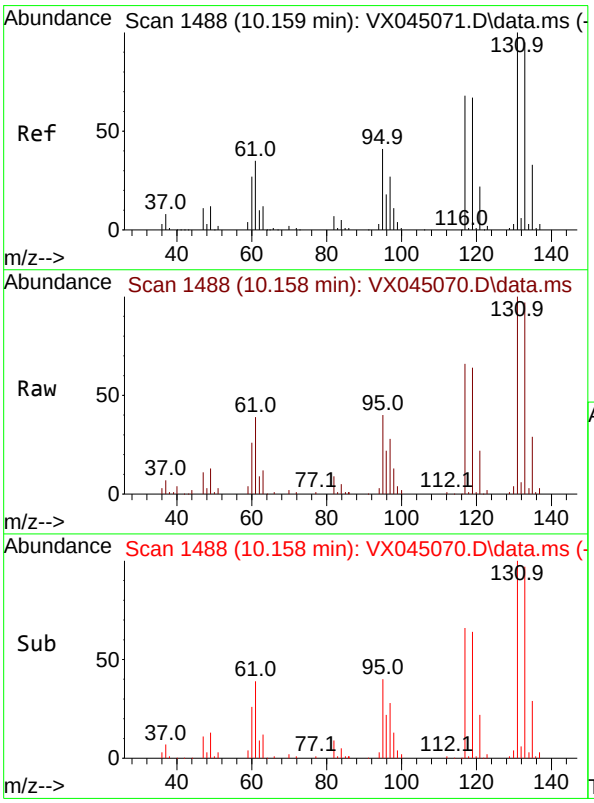
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 68777

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

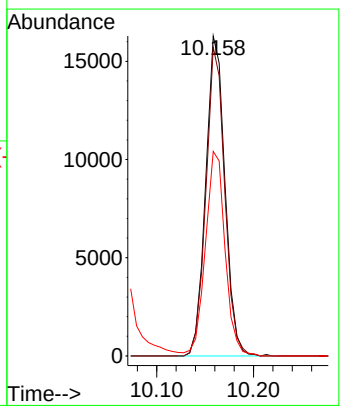


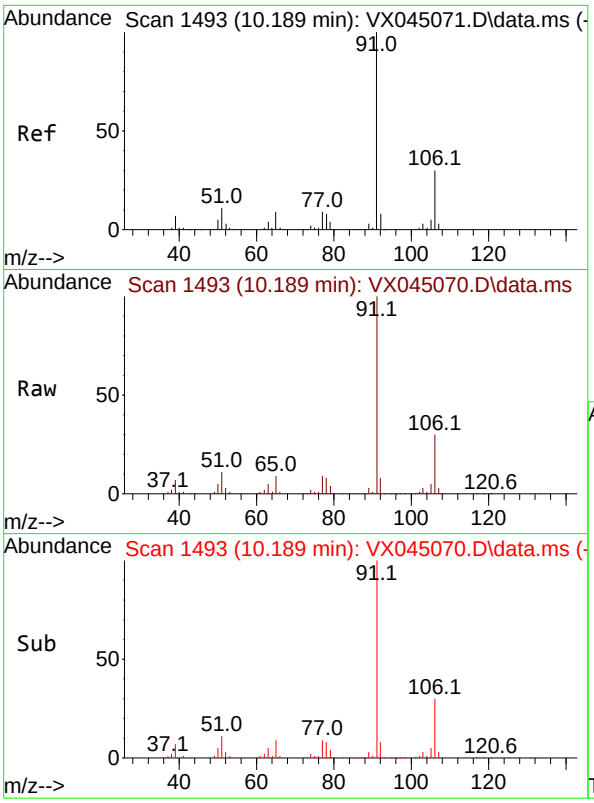


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7



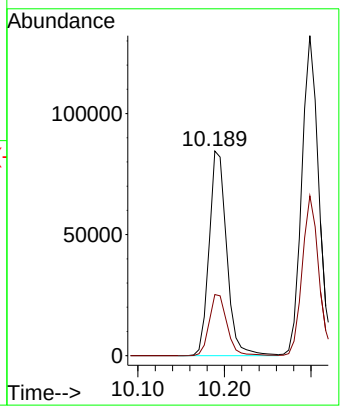


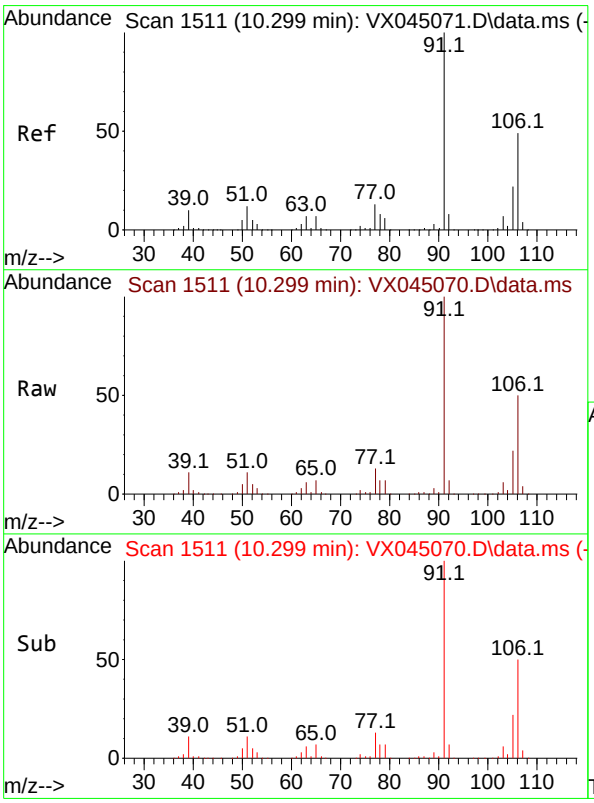
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 119165

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

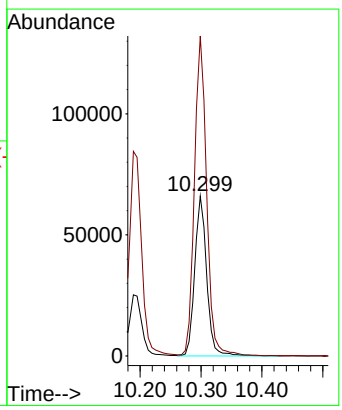


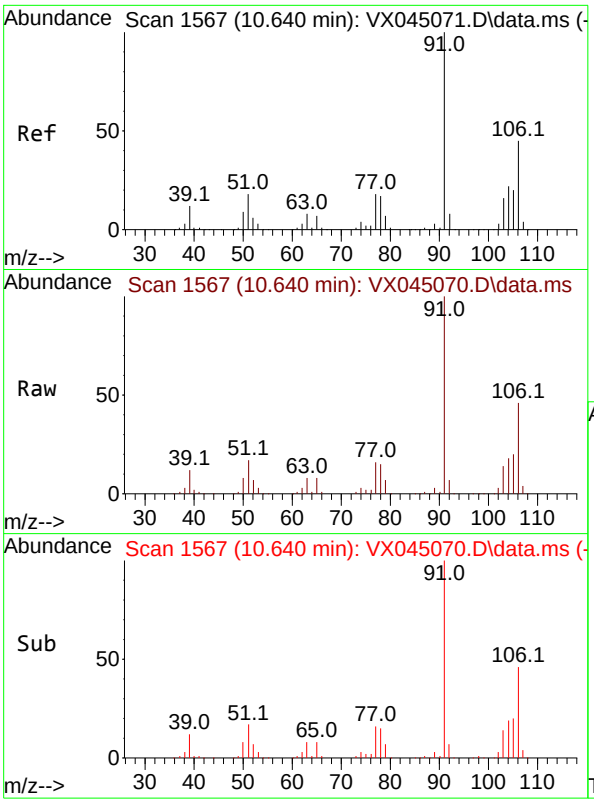


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0



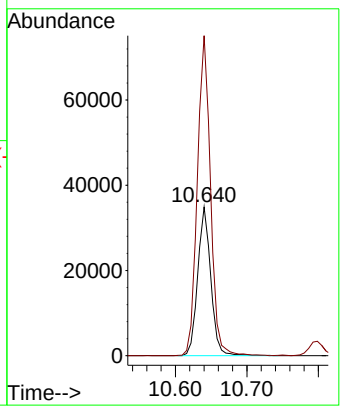


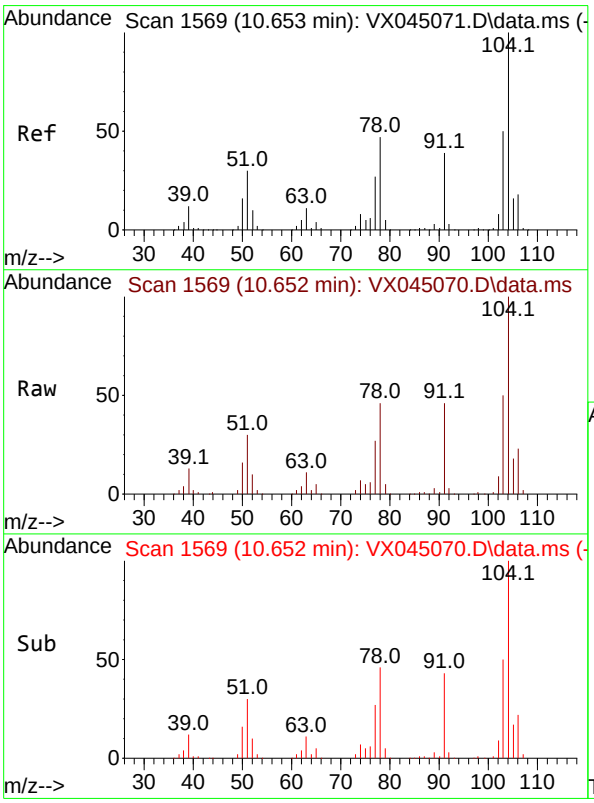
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 44281

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6

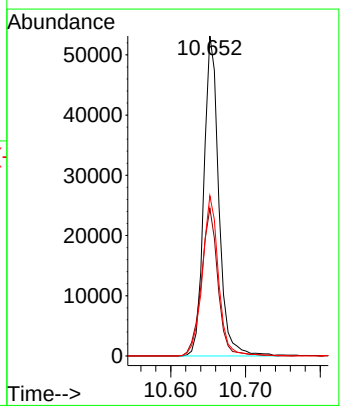


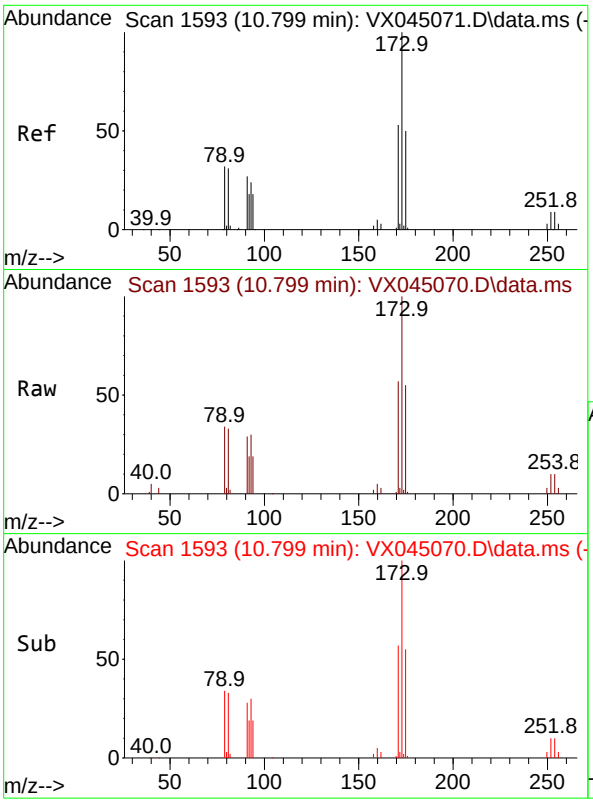


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8



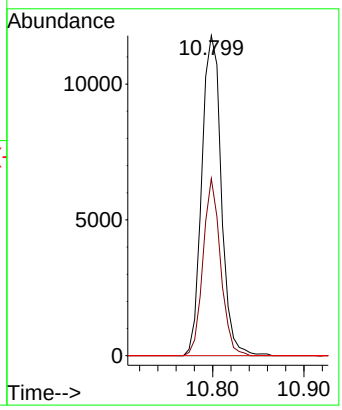


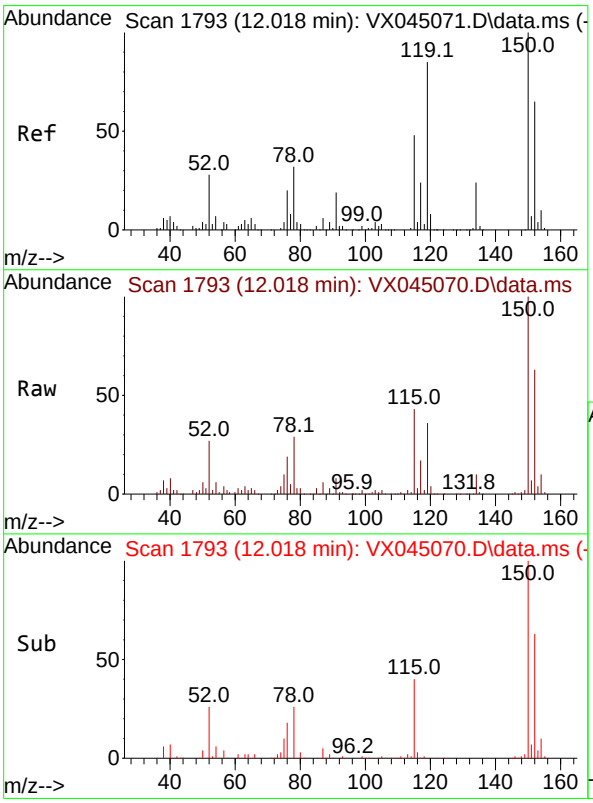
#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 17403

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0

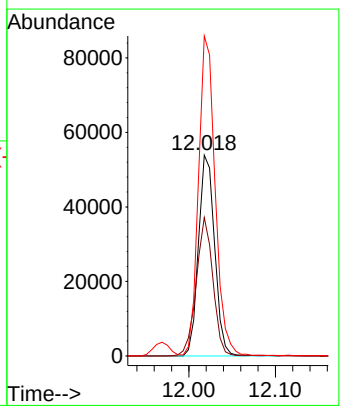


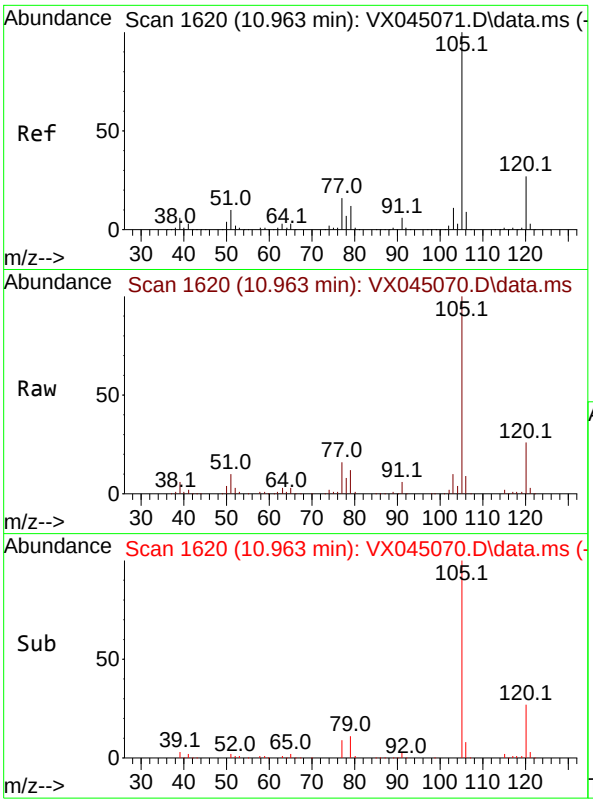


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0



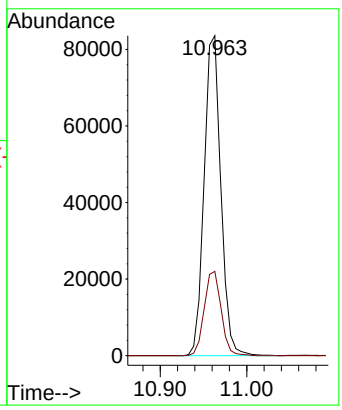


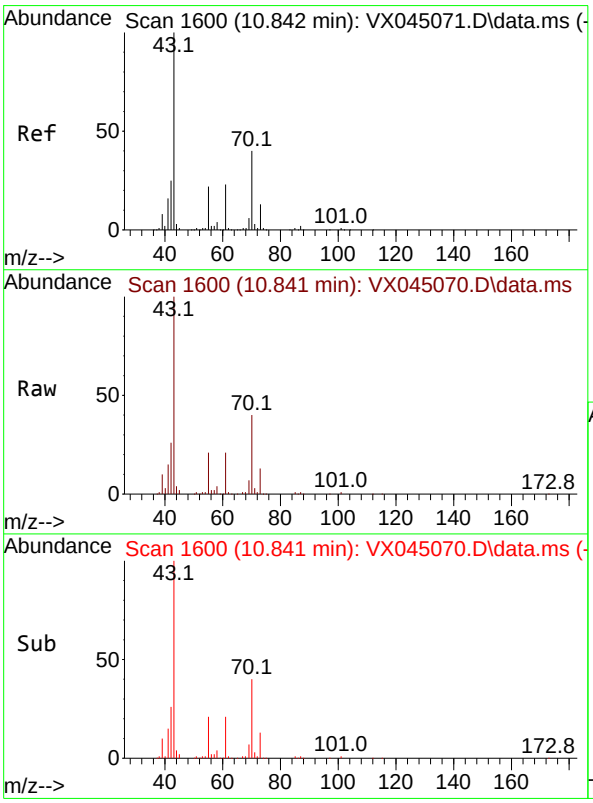
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112099

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

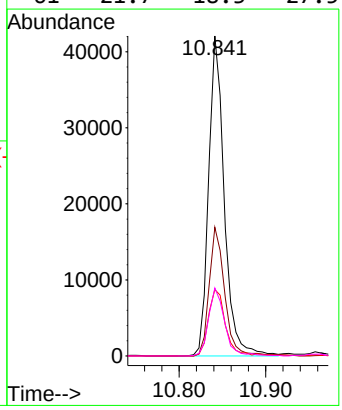


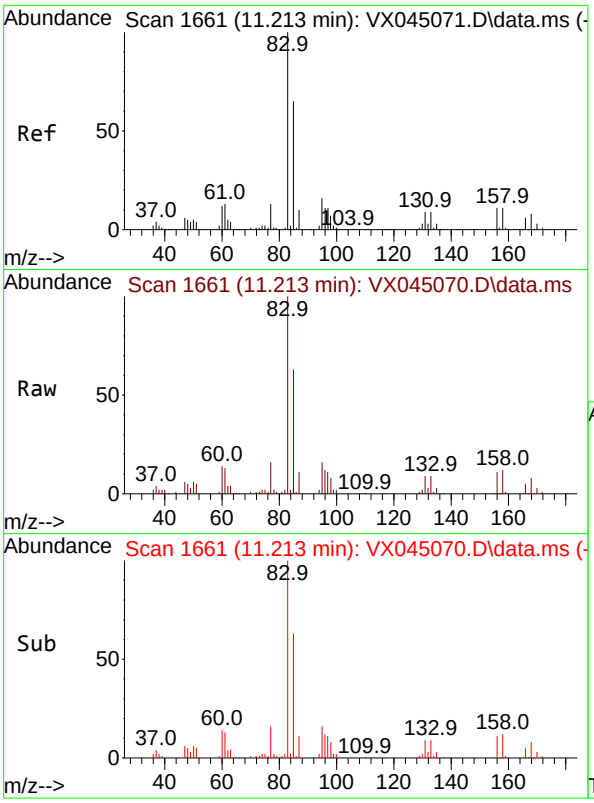


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5



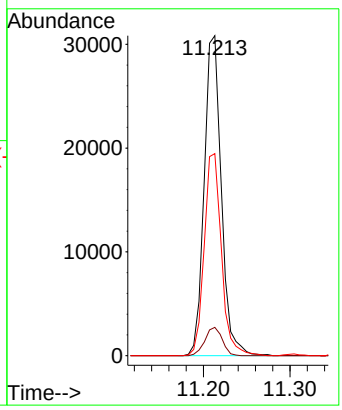


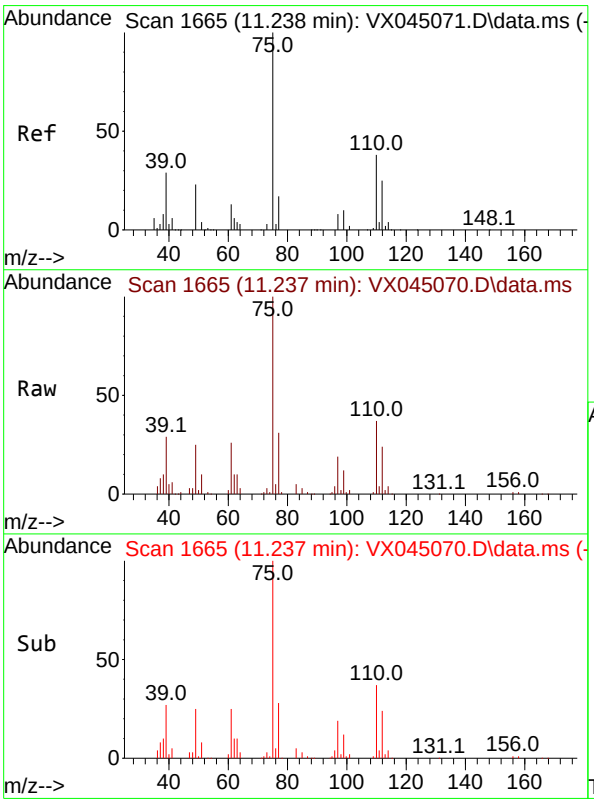
#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 42413

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1

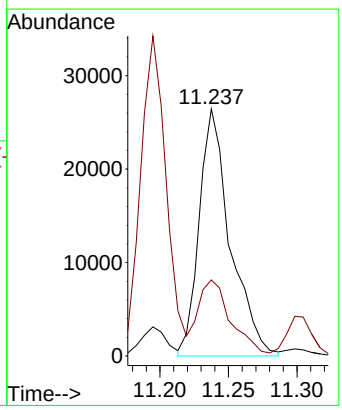


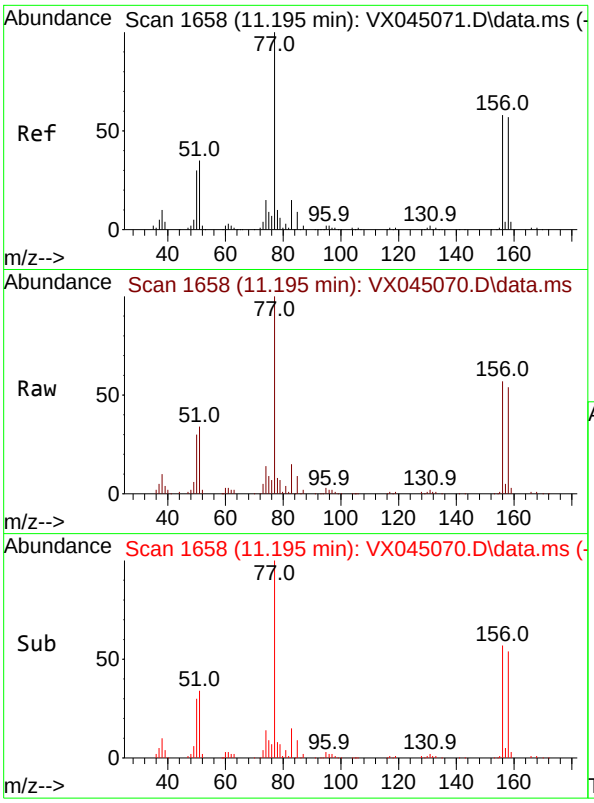


#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 41754

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



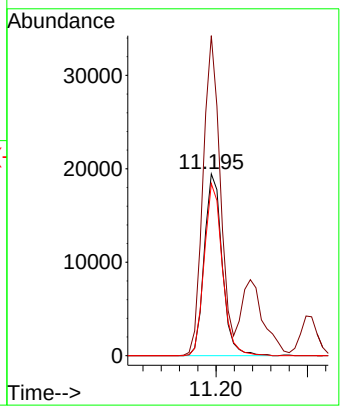


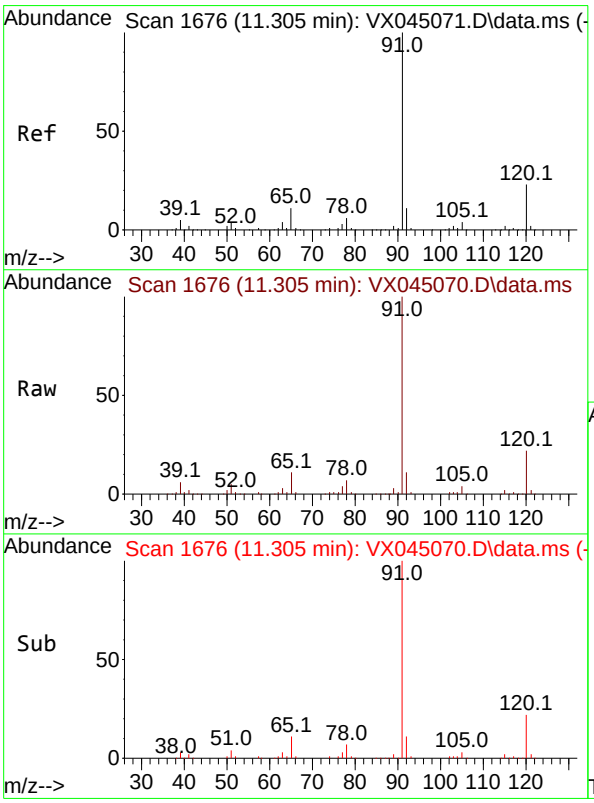
#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 26310

Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2

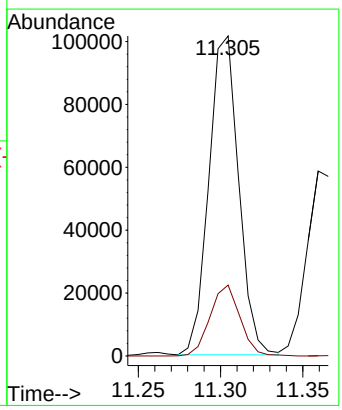


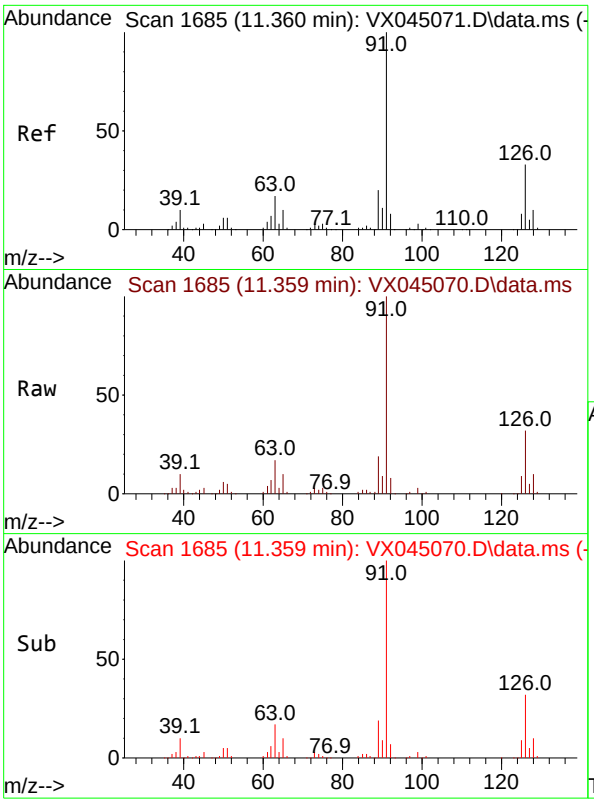


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



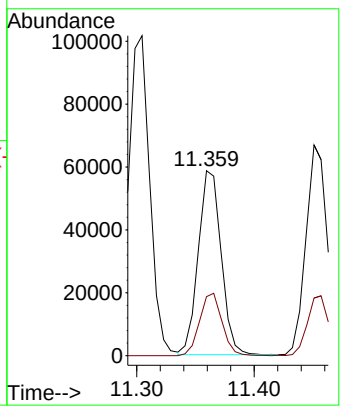


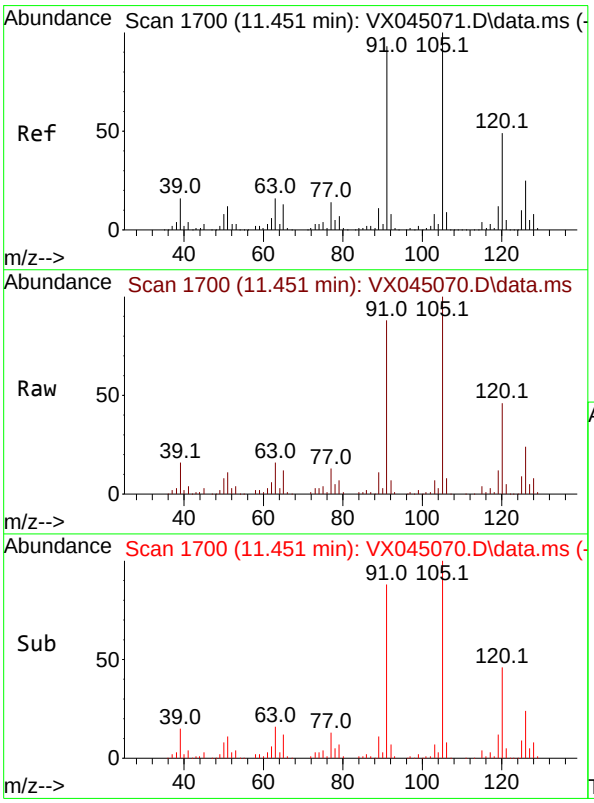
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

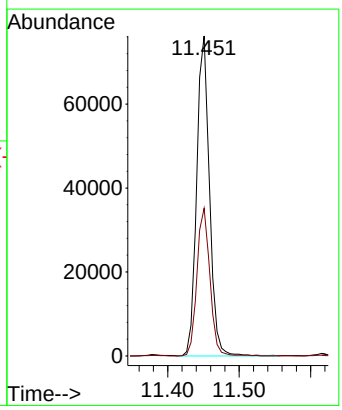


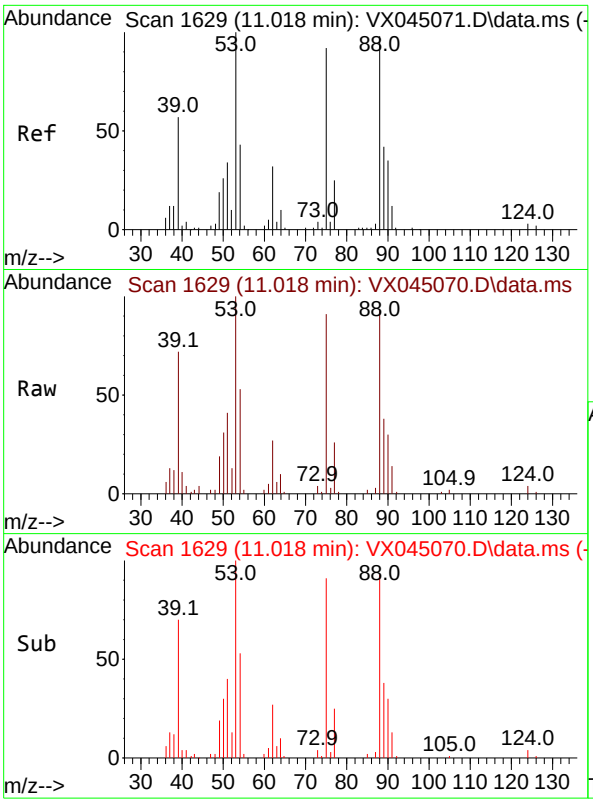


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



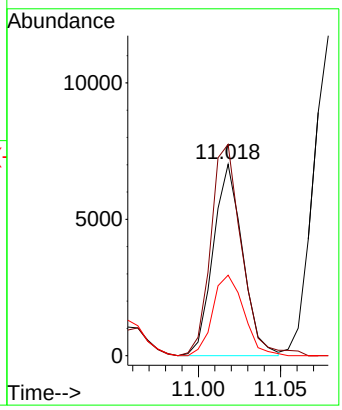


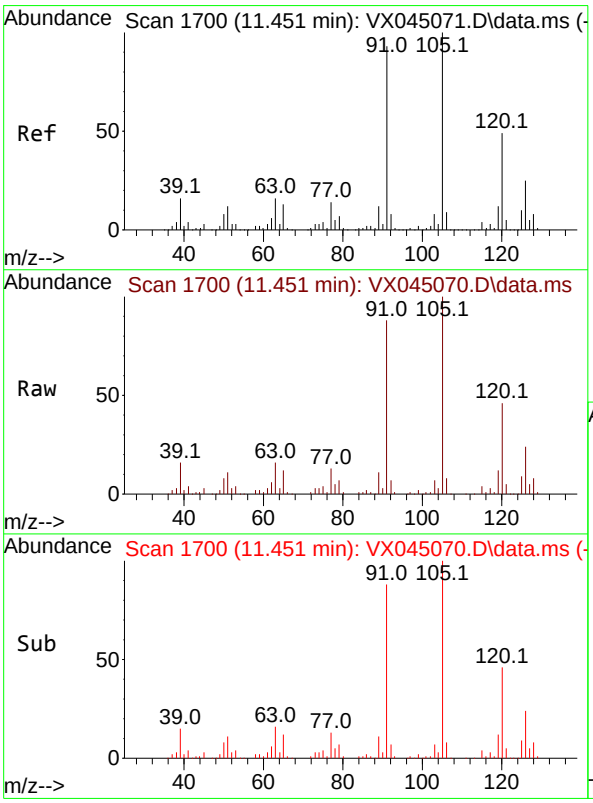
#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8759

Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

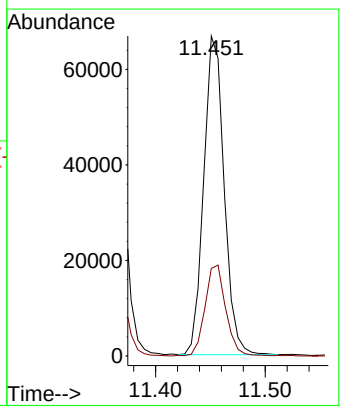


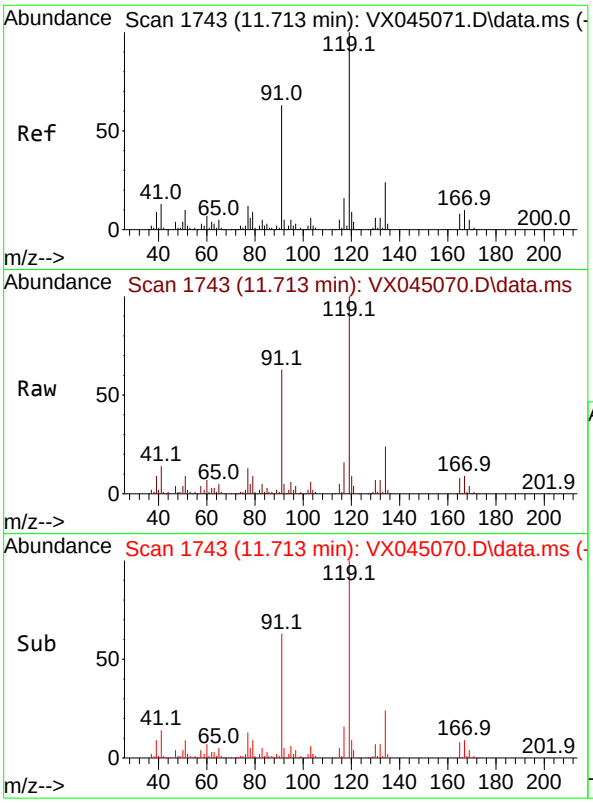


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



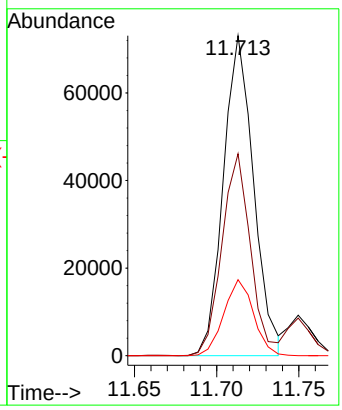


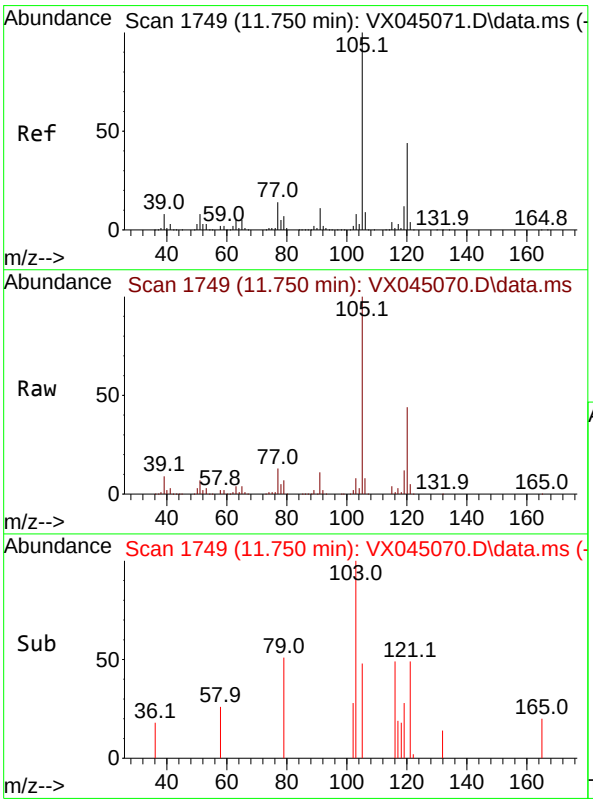
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 93670

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0

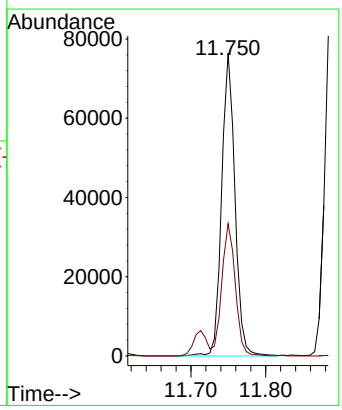


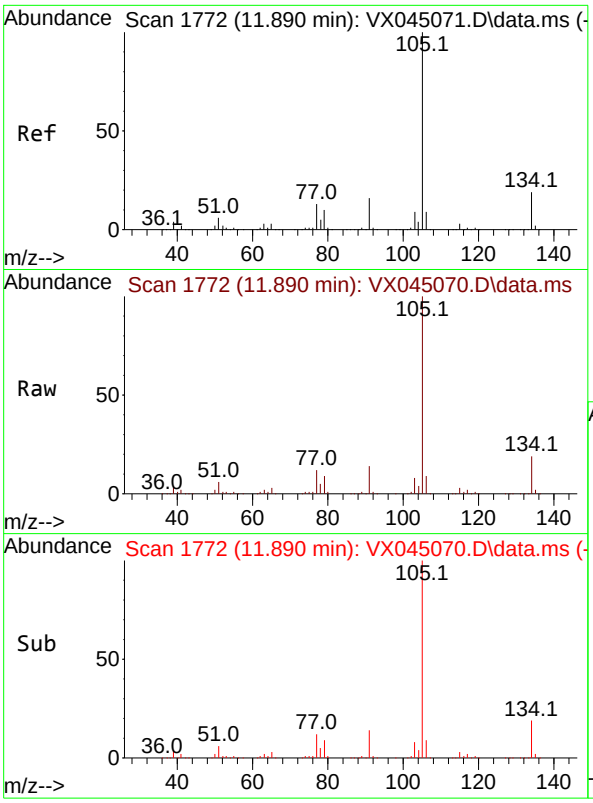


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



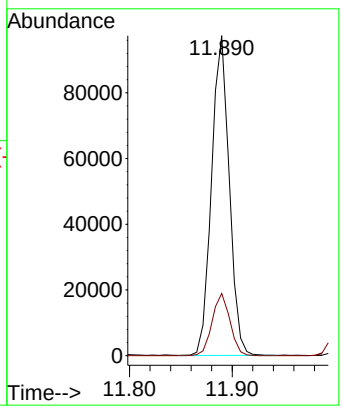


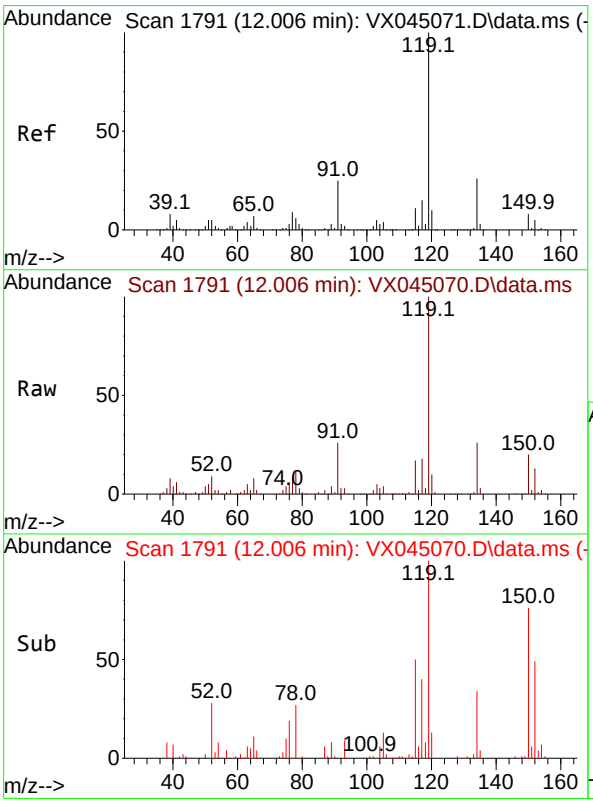
#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 115953

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

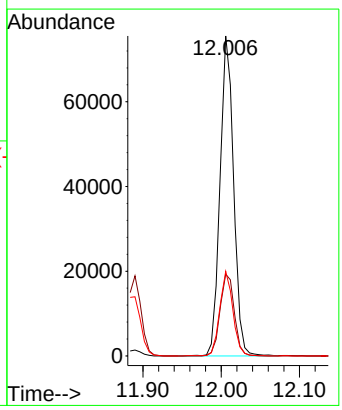


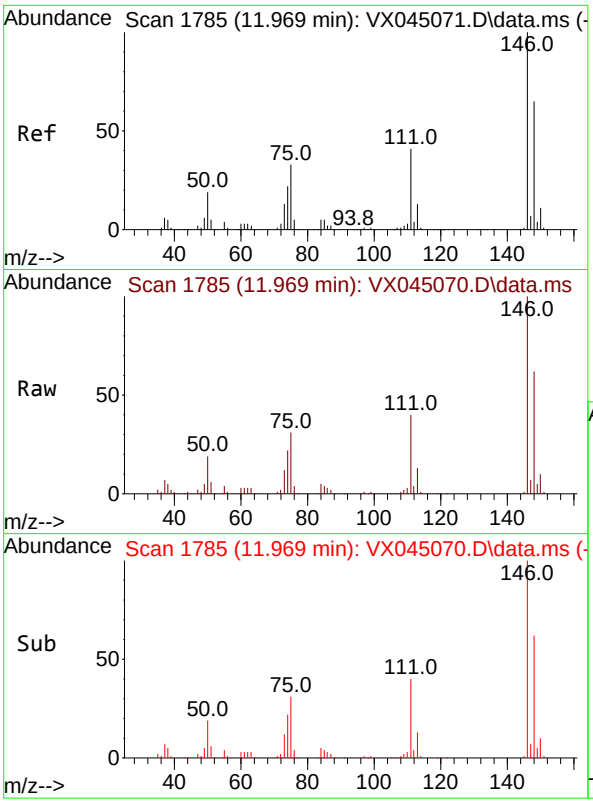


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0



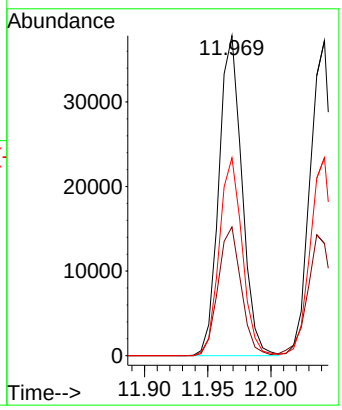


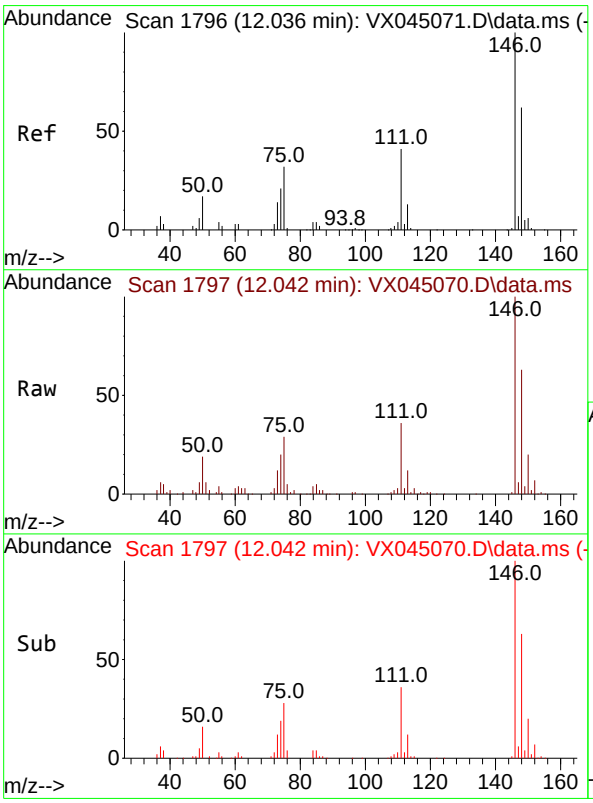
#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 47934

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7

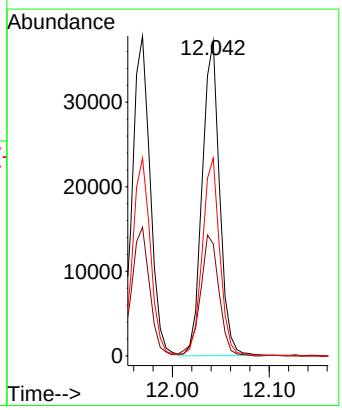


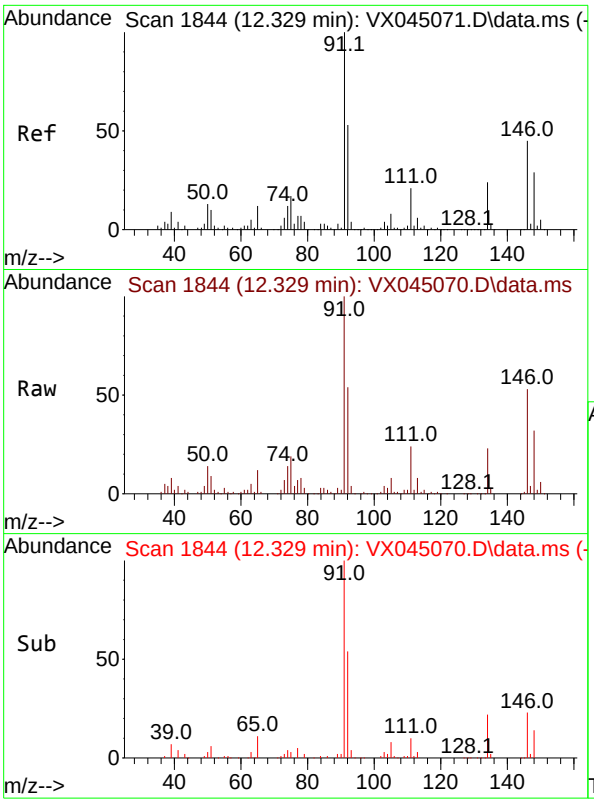


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9



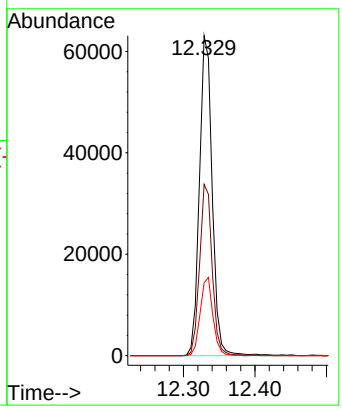


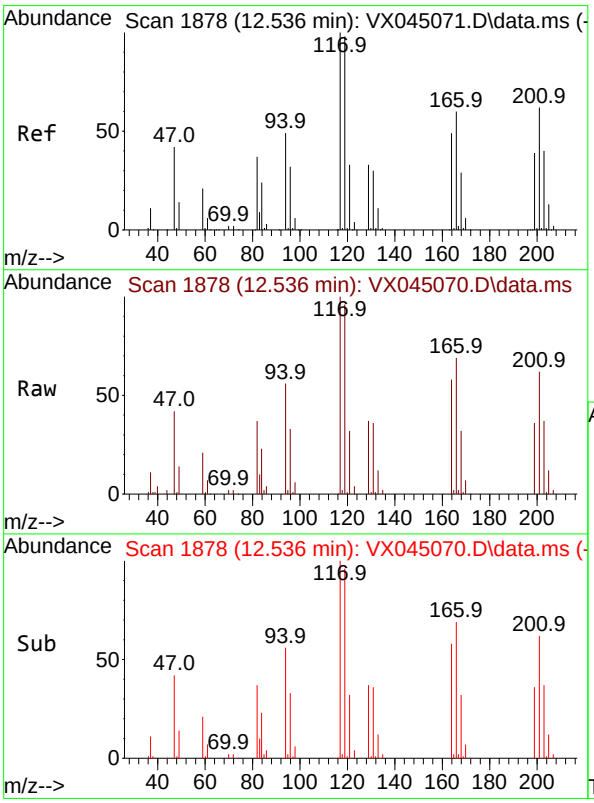
#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 78135

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6

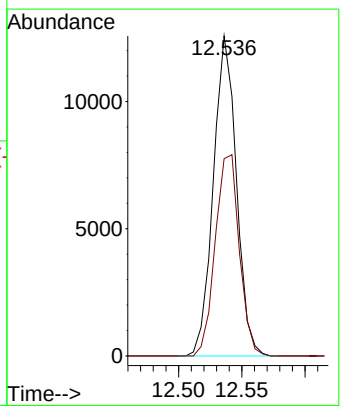


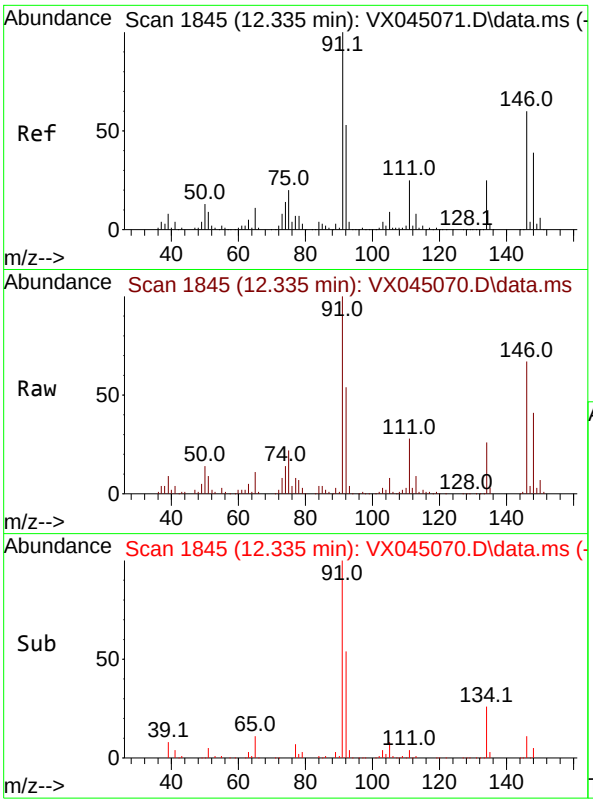


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



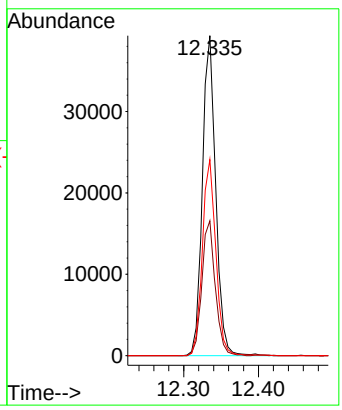


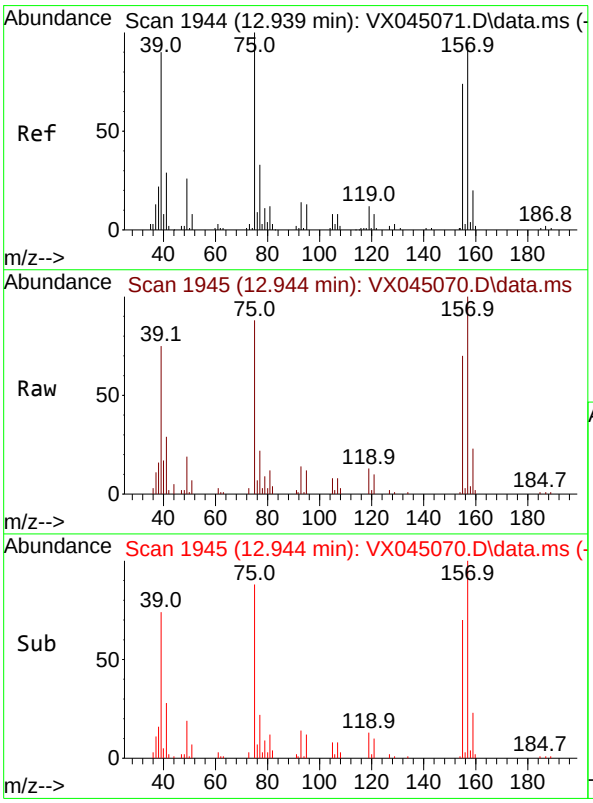
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 48632

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9

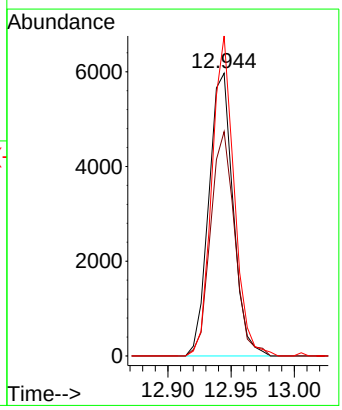


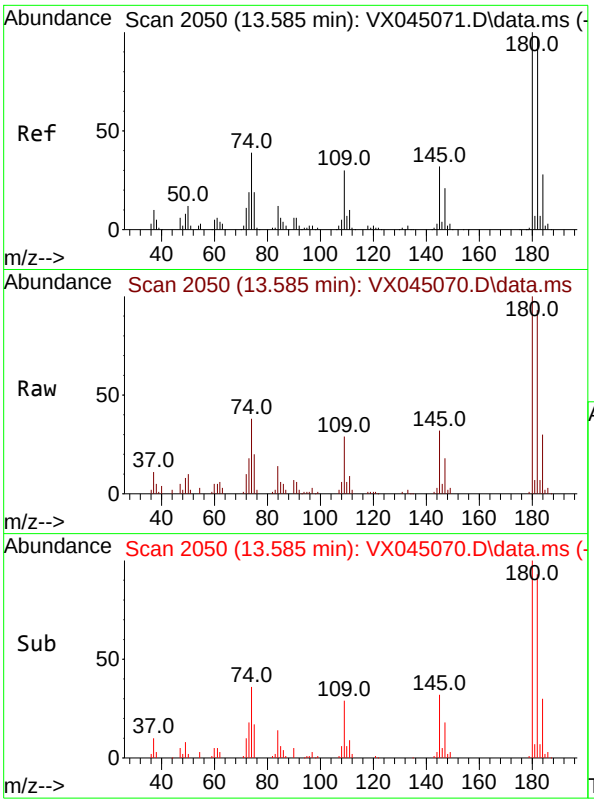


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4



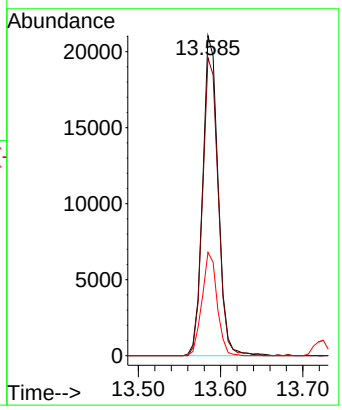


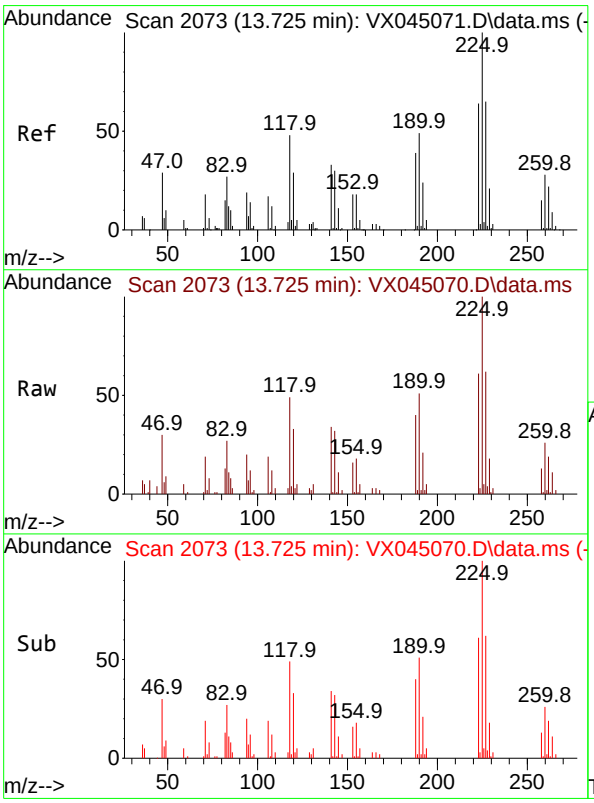
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 27424

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9

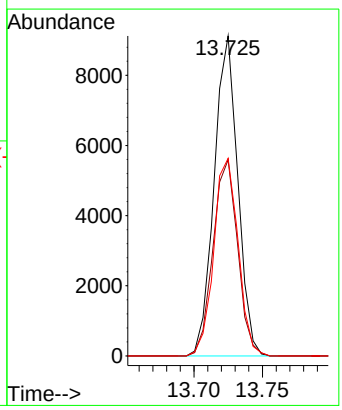


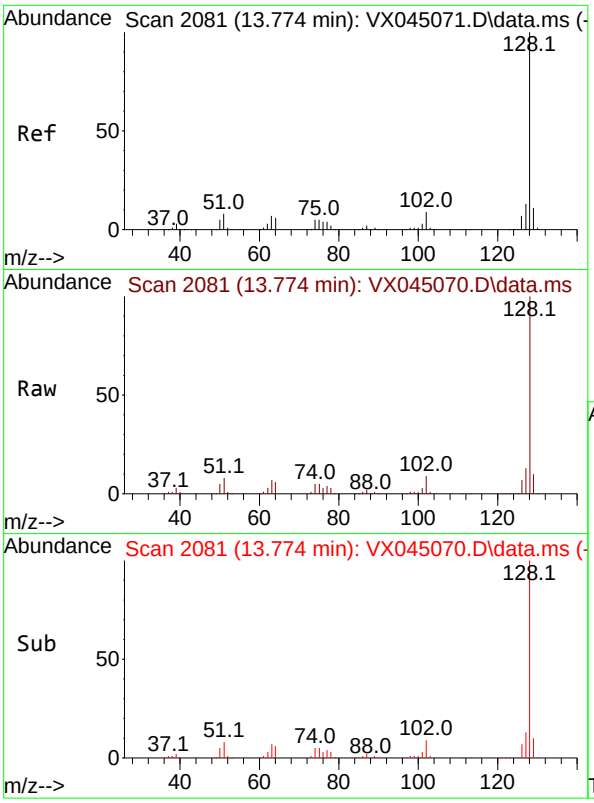


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0



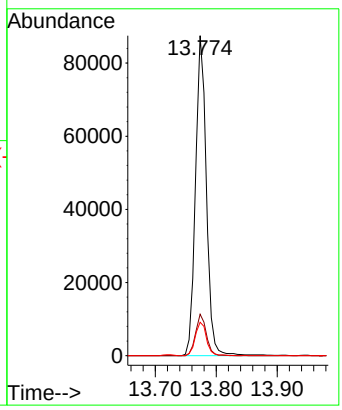


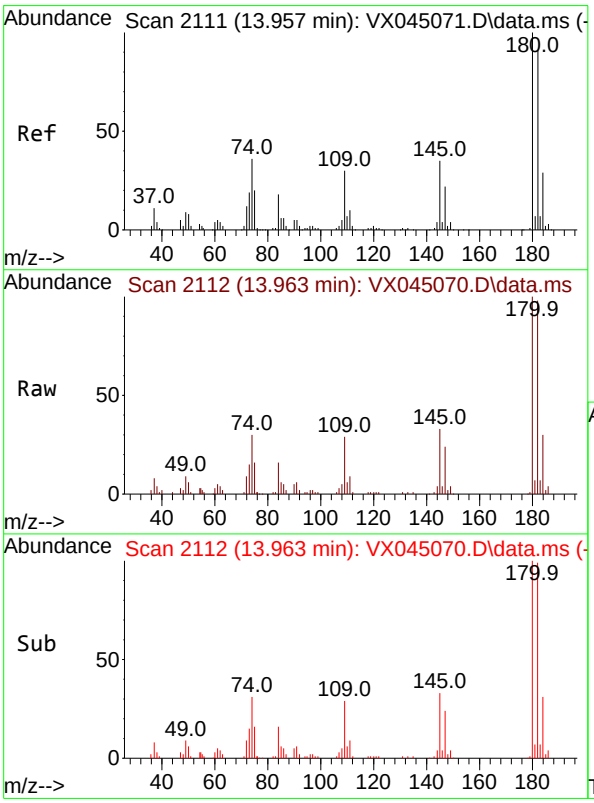
#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 108350

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

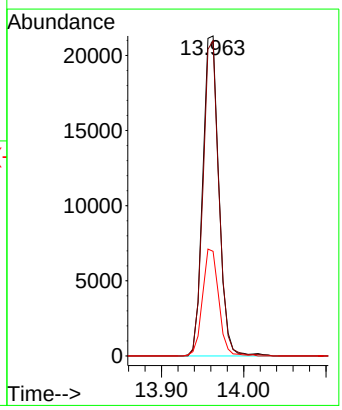




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	103161	64.894	ug/l		86
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

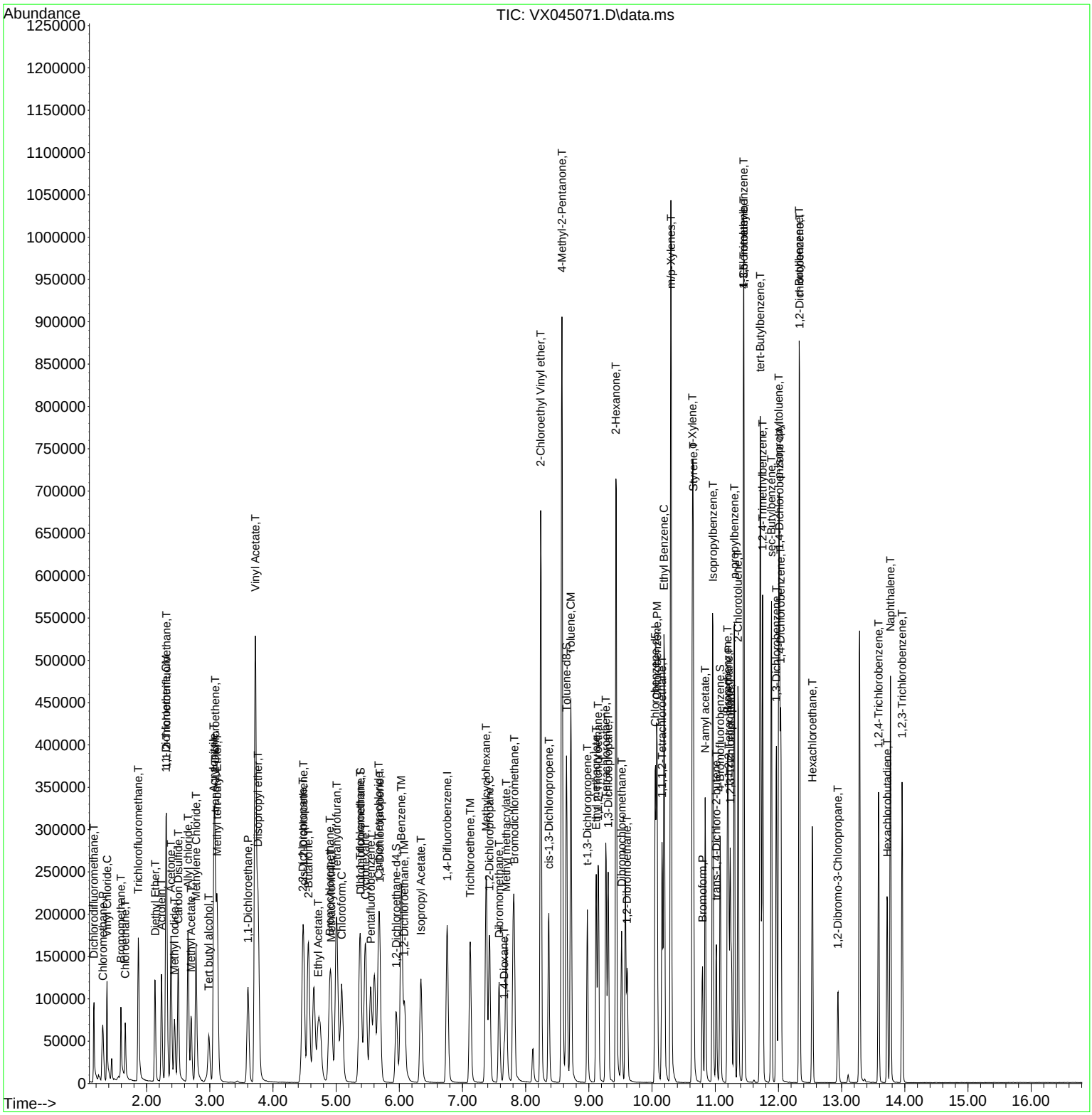
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

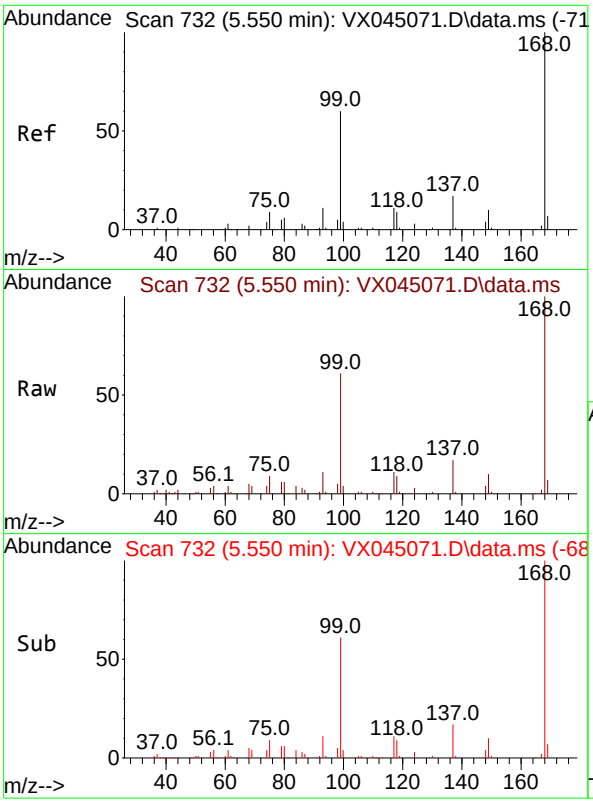
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



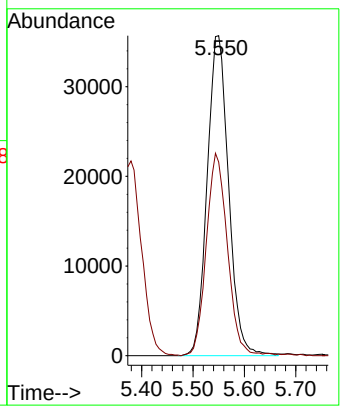


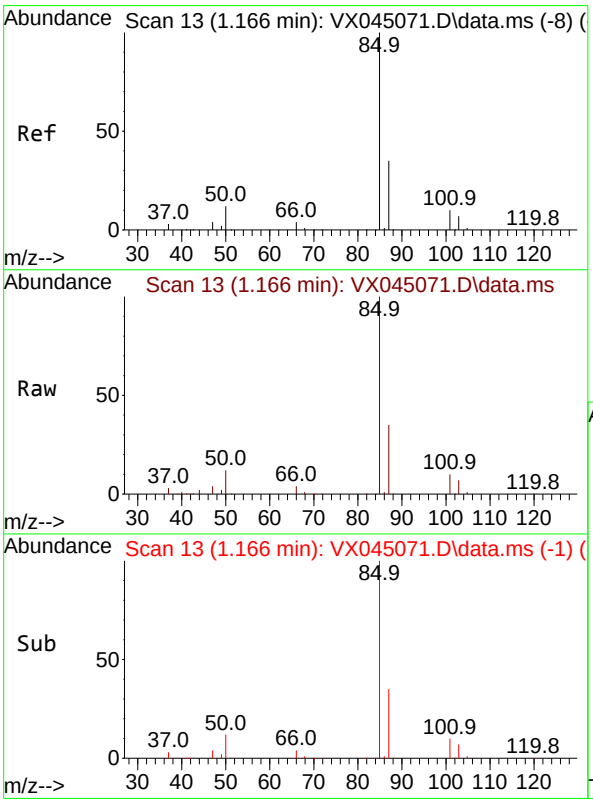
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

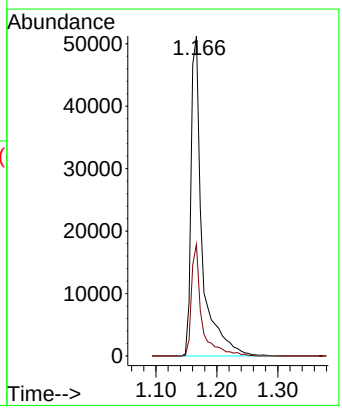


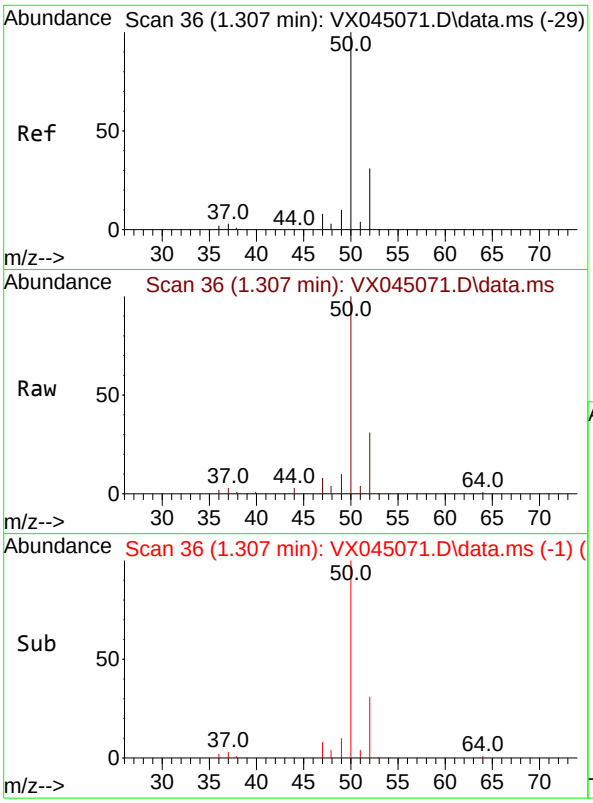


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3



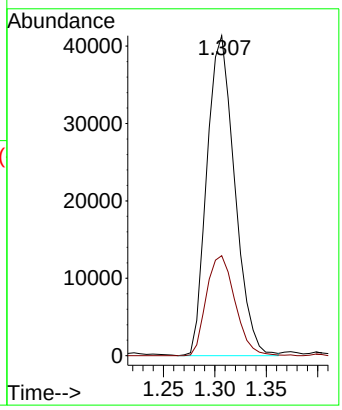


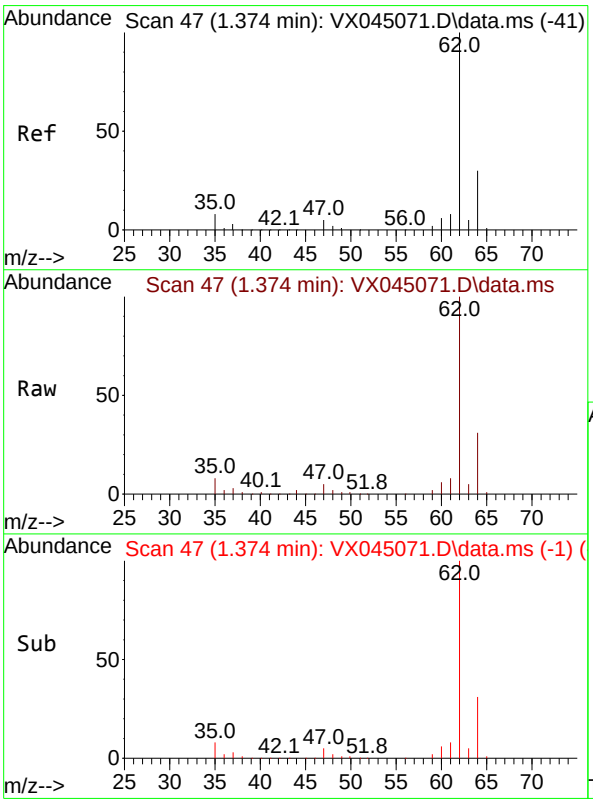
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

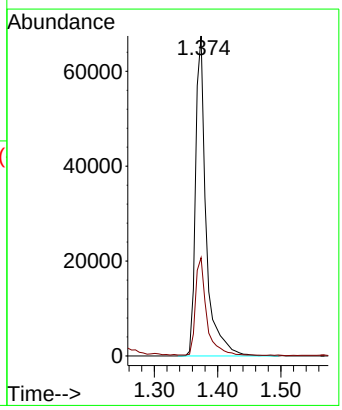


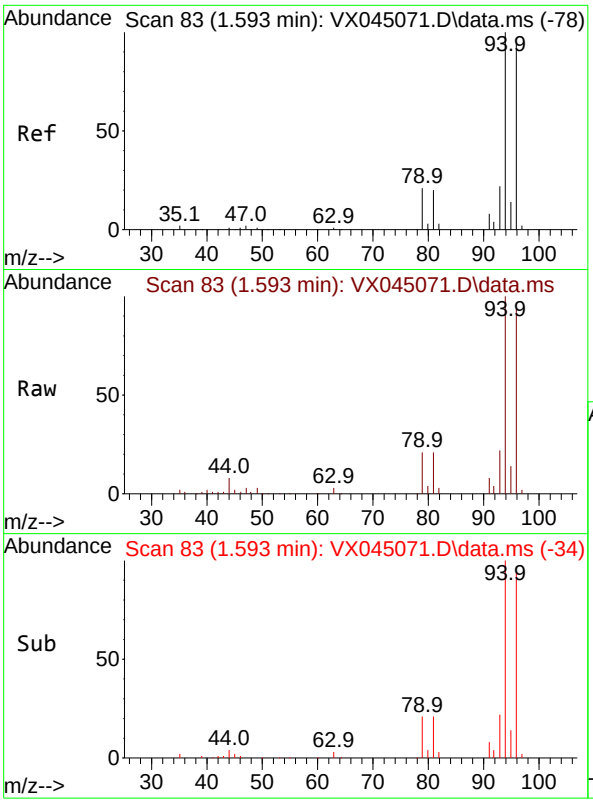


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



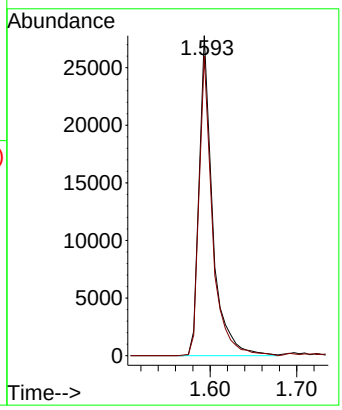


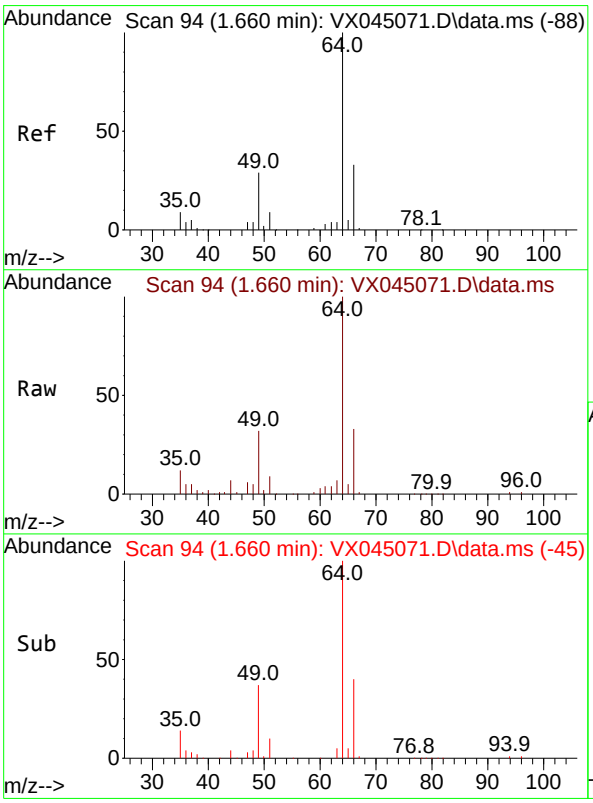
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4

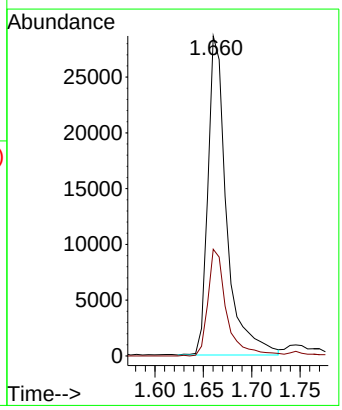


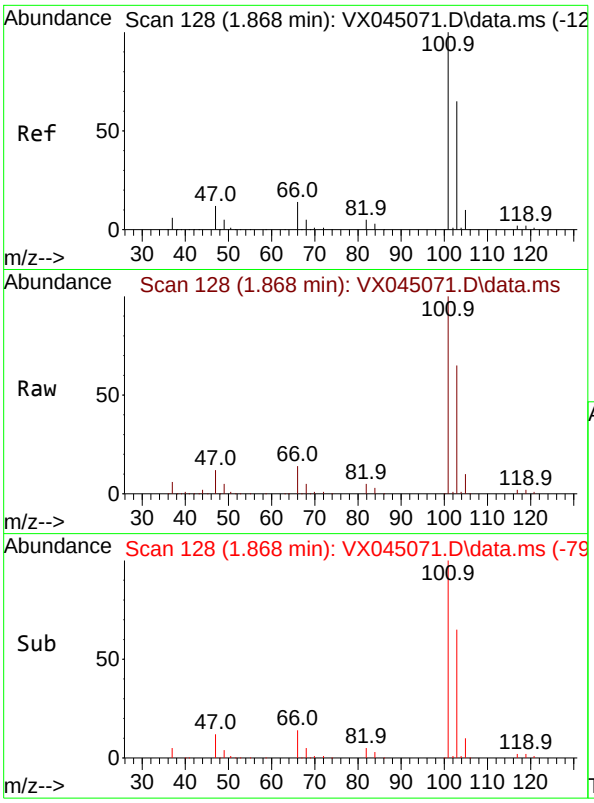


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1



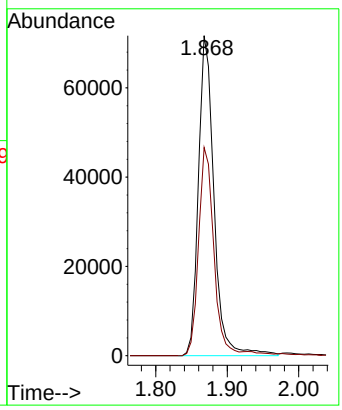


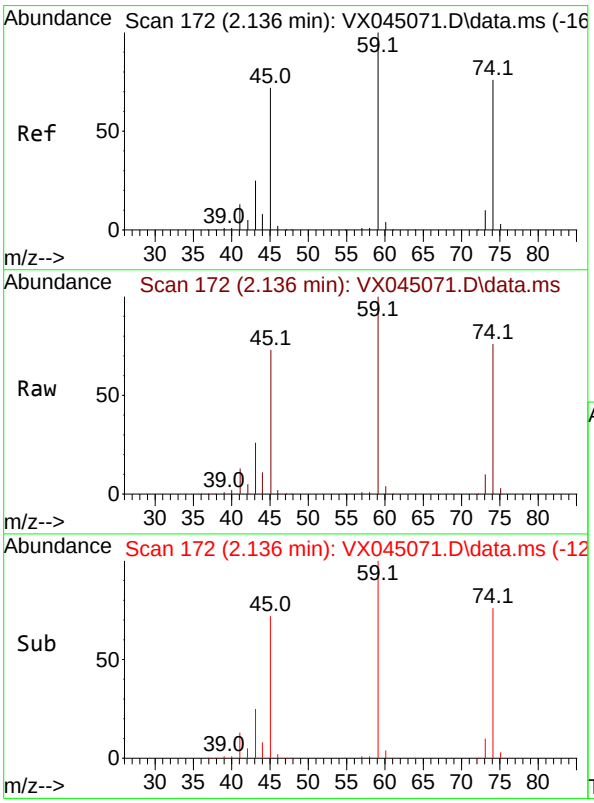
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108411

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

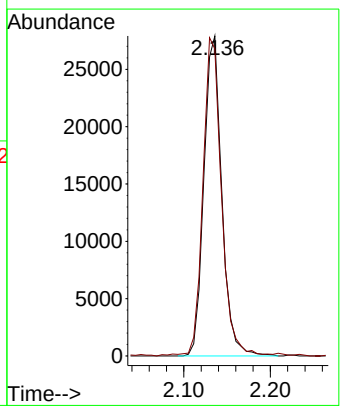


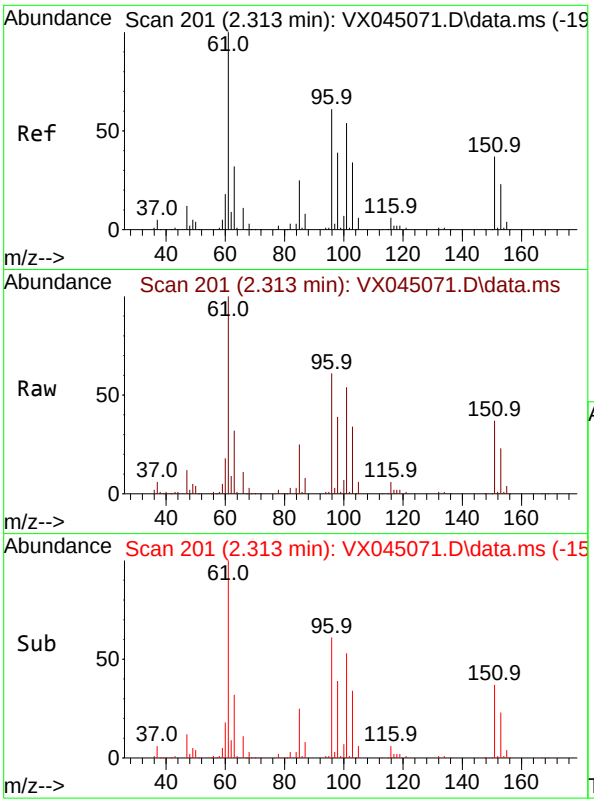


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5



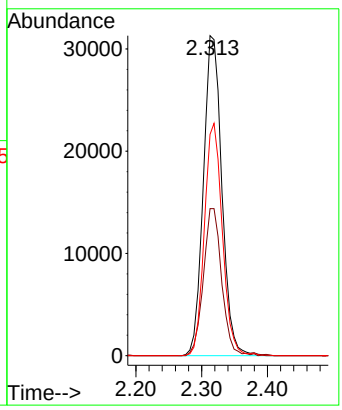


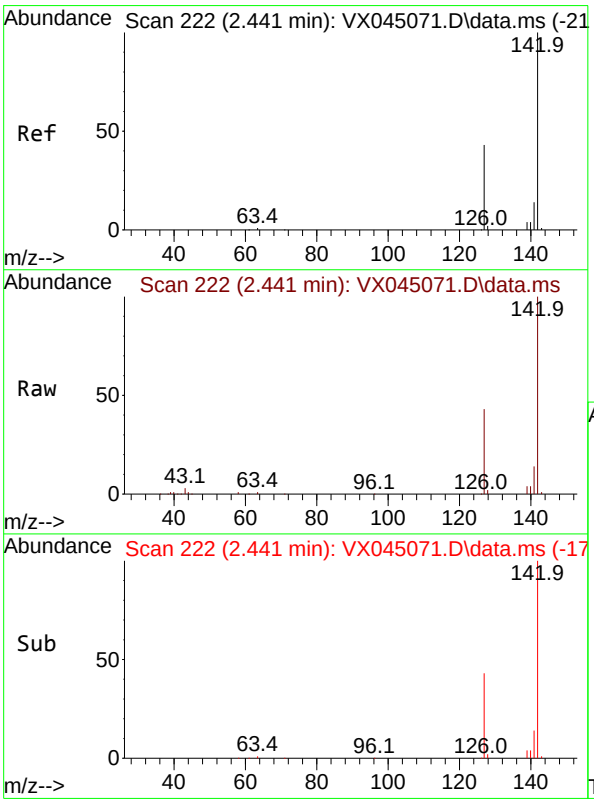
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 61312

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

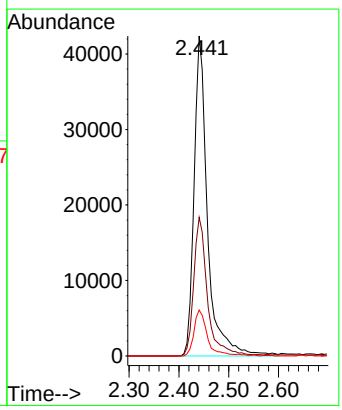


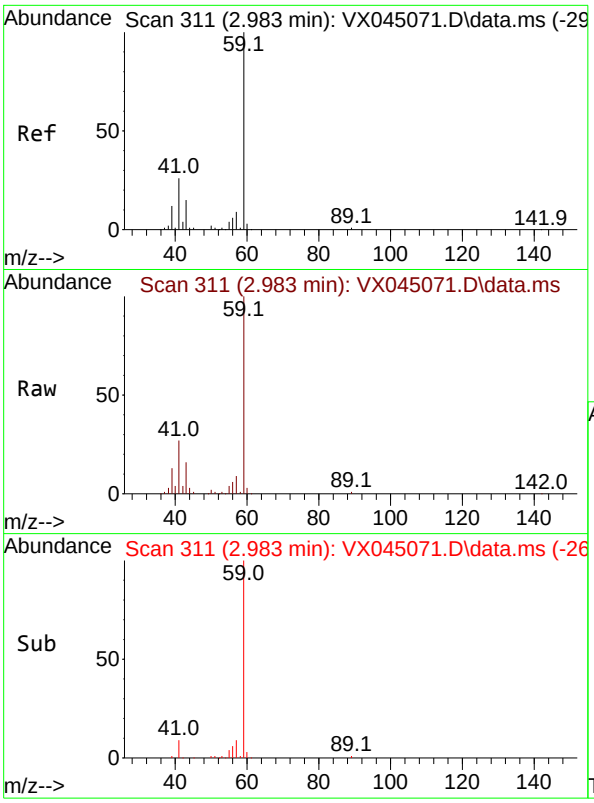


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4



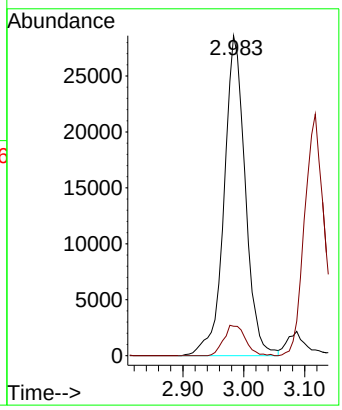


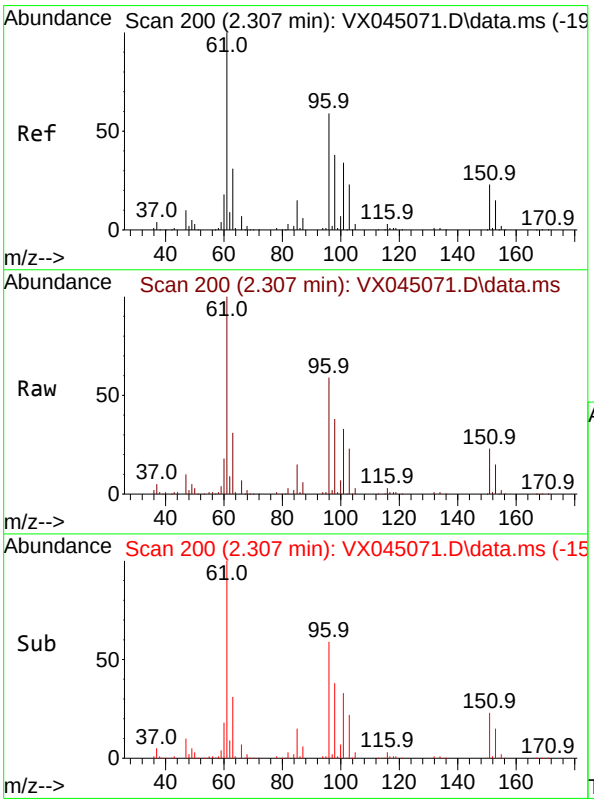
#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

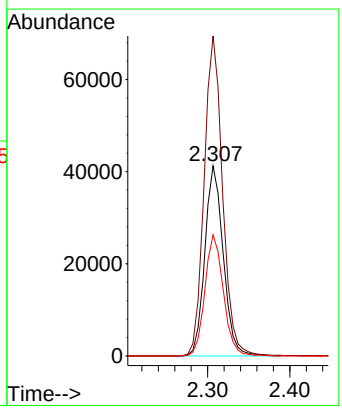


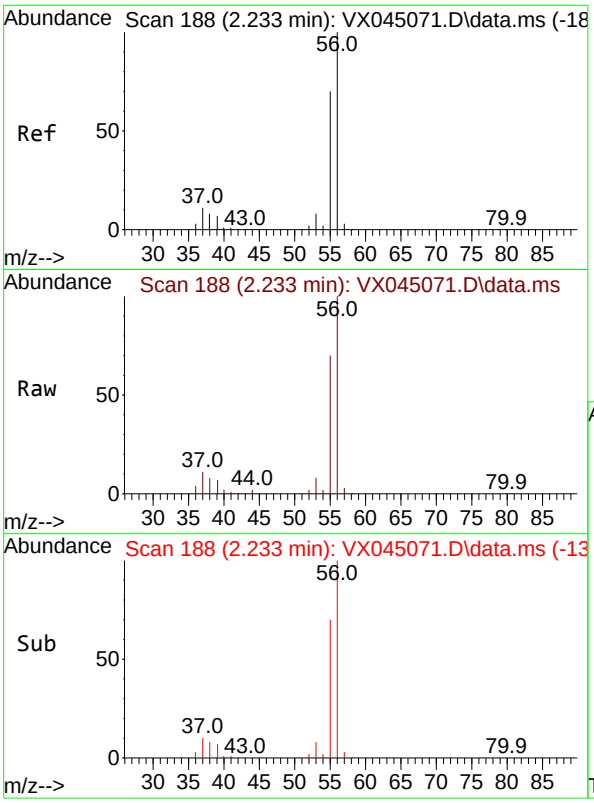


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6



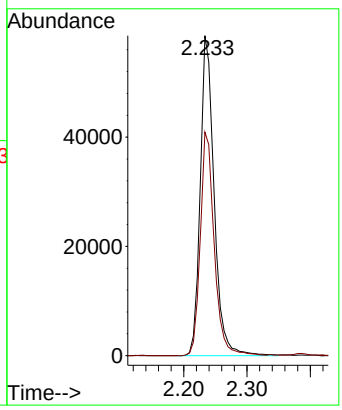


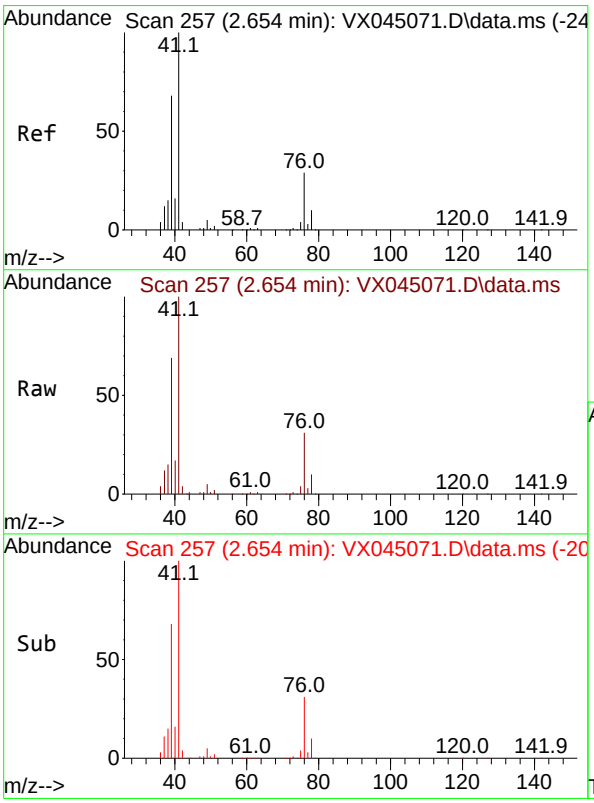
#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

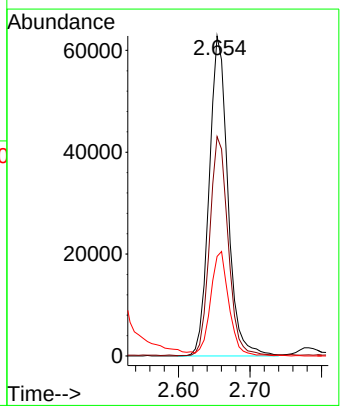


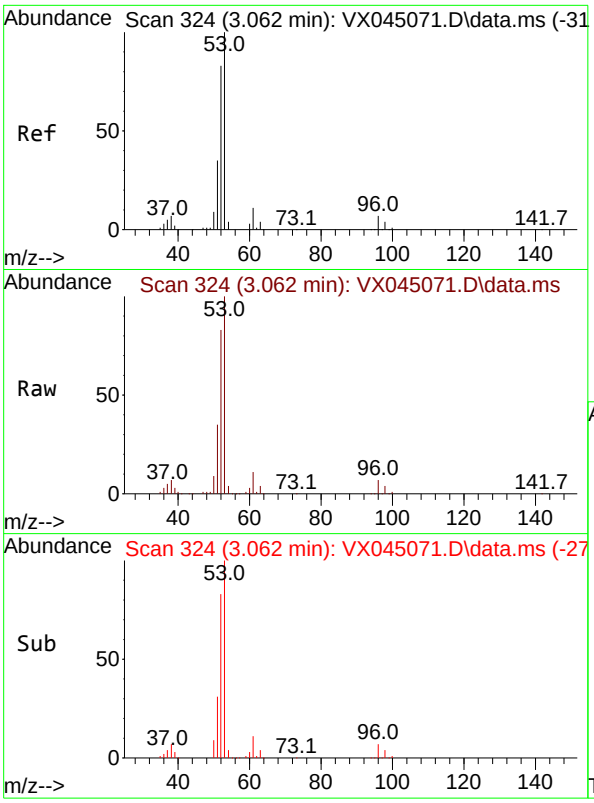


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8



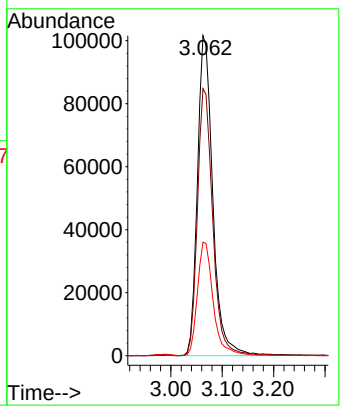


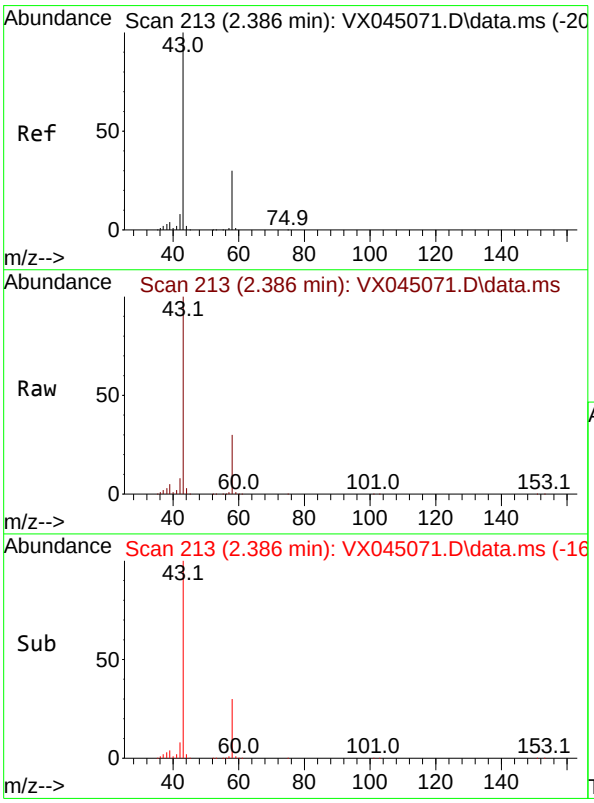
#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 211455

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4

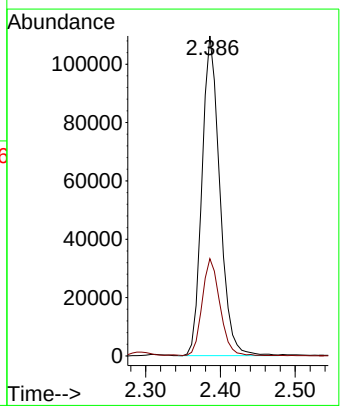


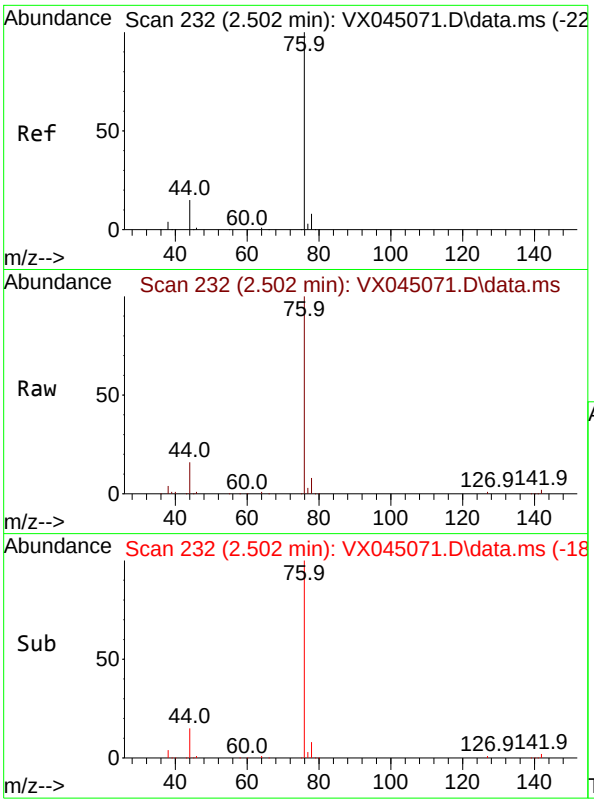


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



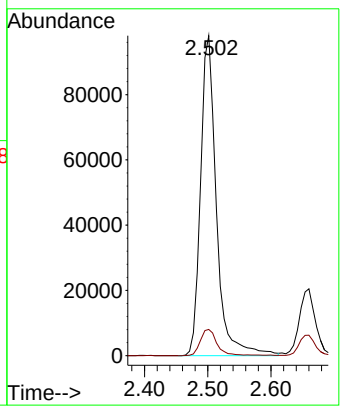


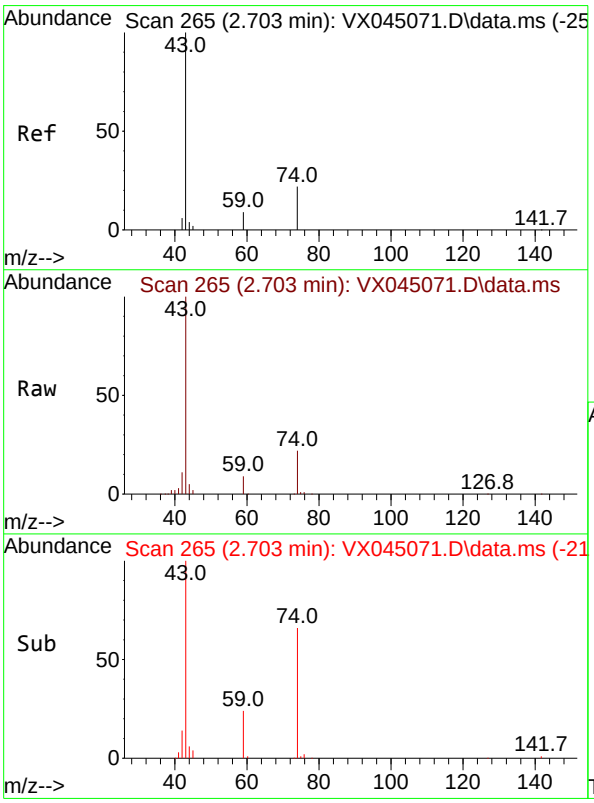
#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 171353

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

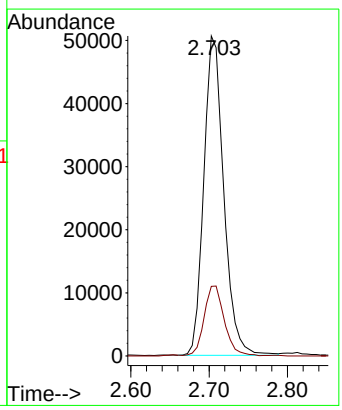


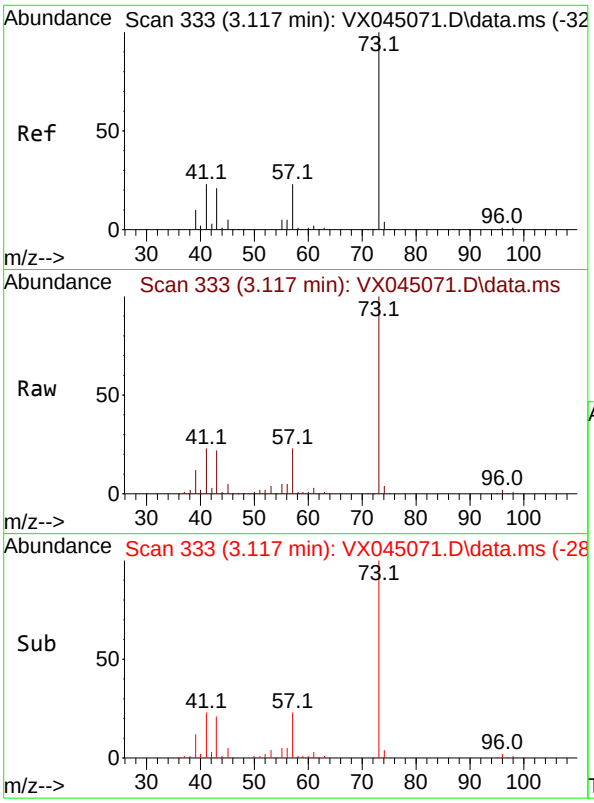


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



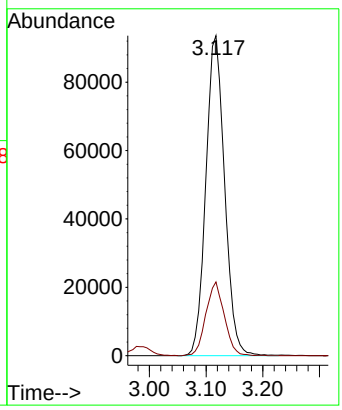


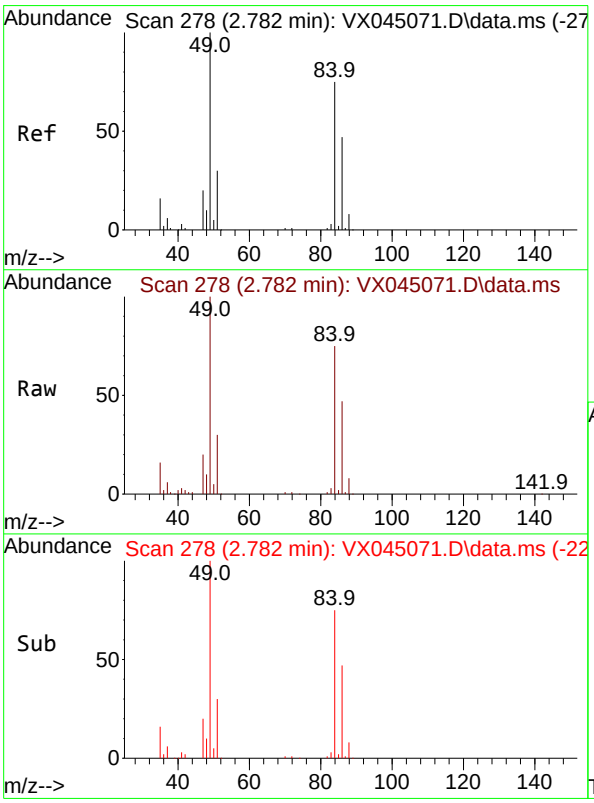
#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 215043

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

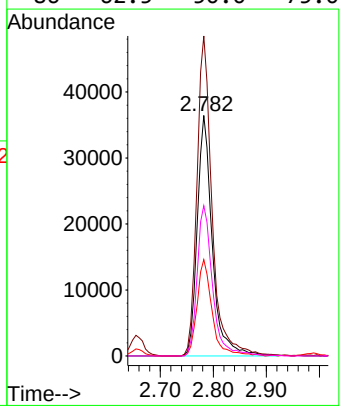


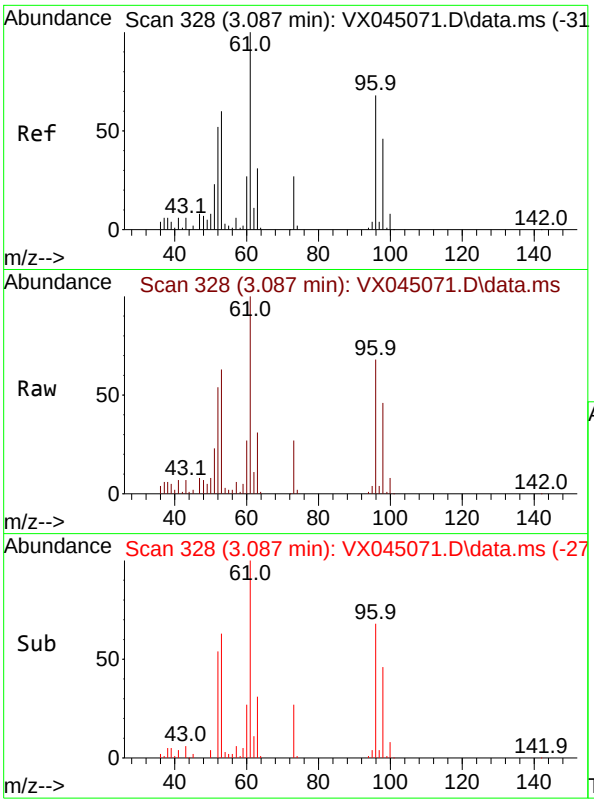


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0



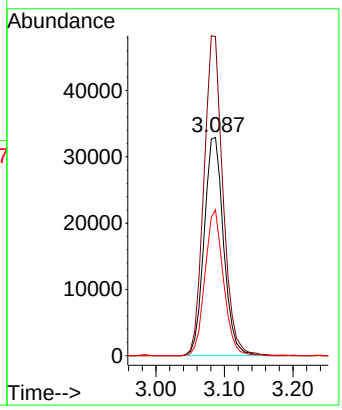


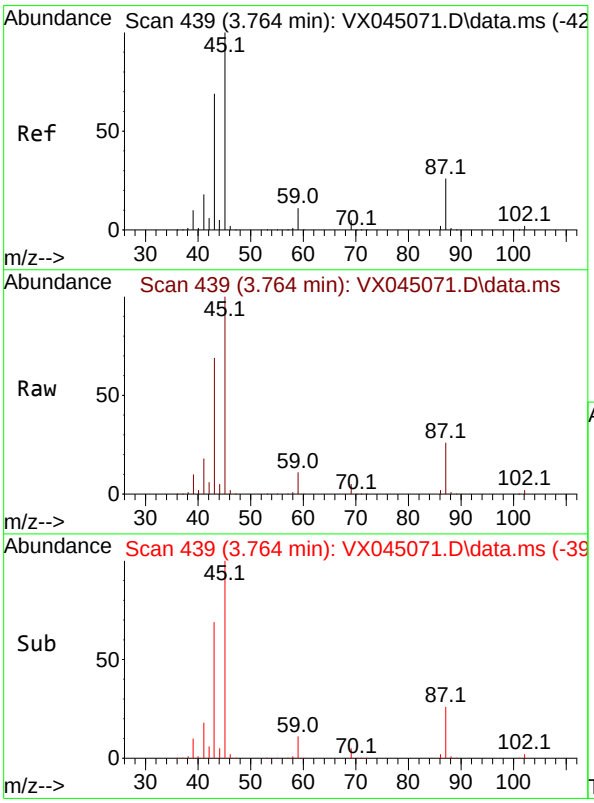
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 65093

Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

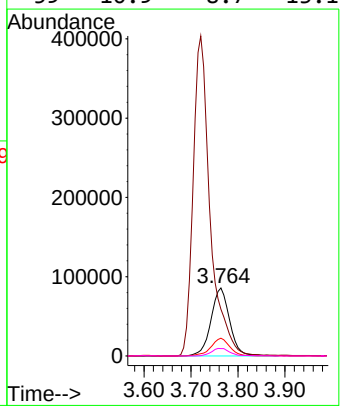


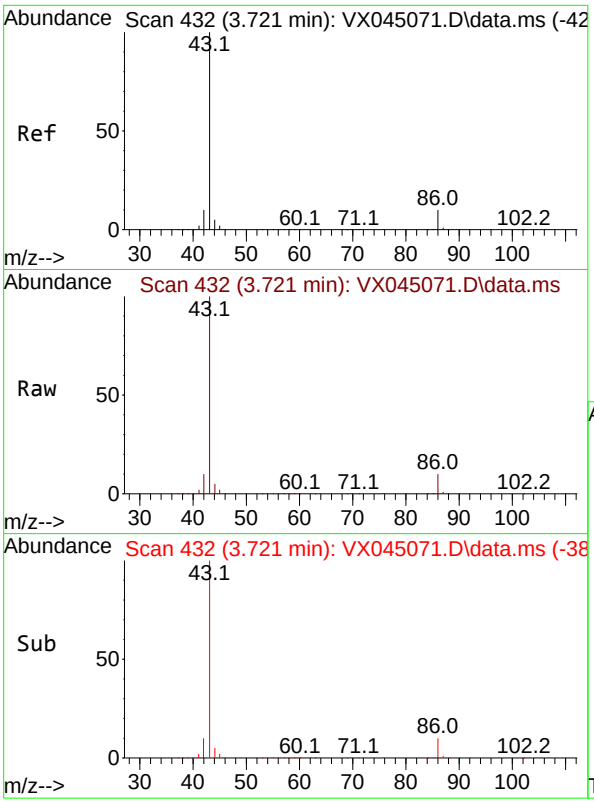


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1



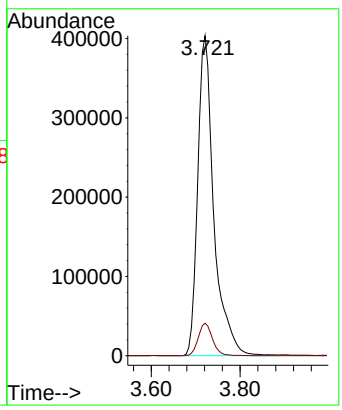


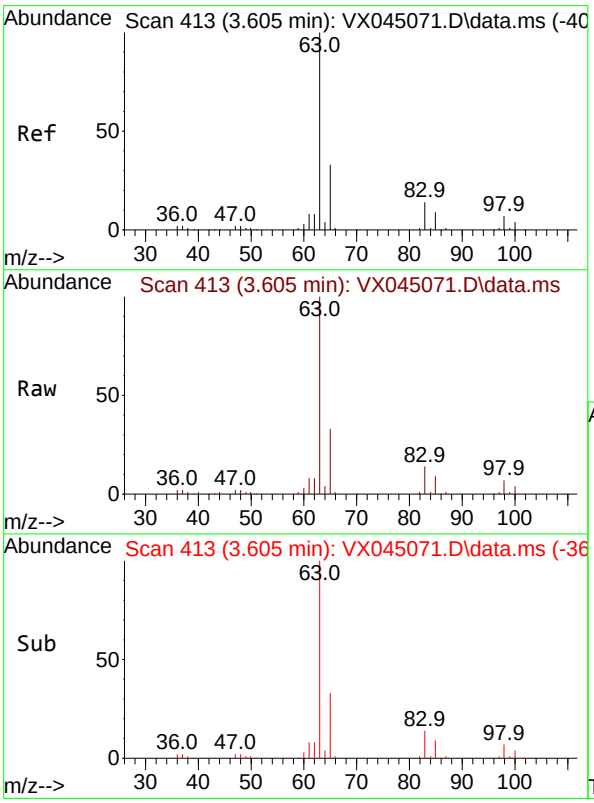
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1018631

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

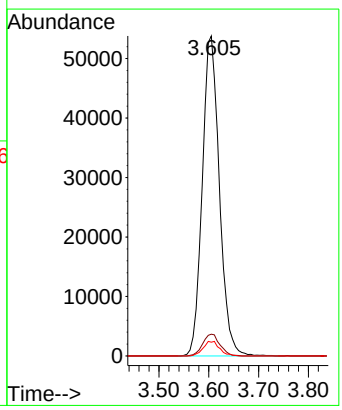


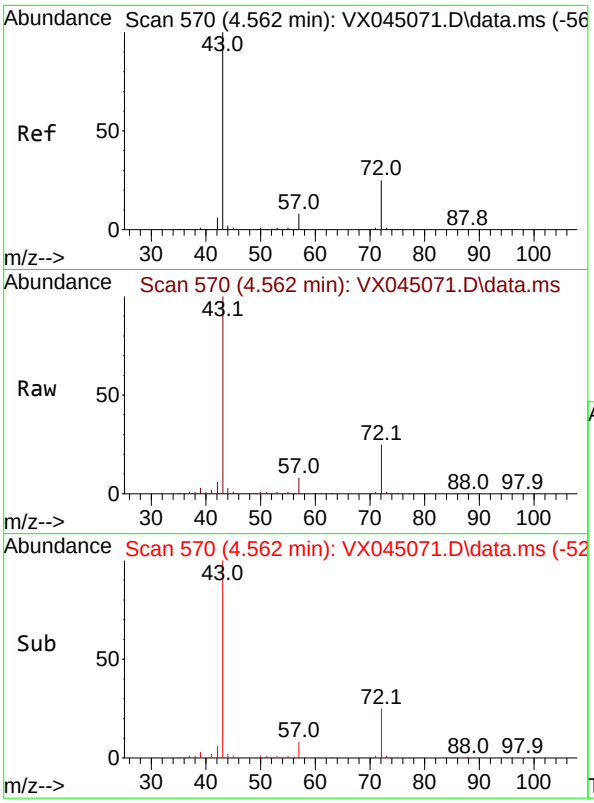


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5



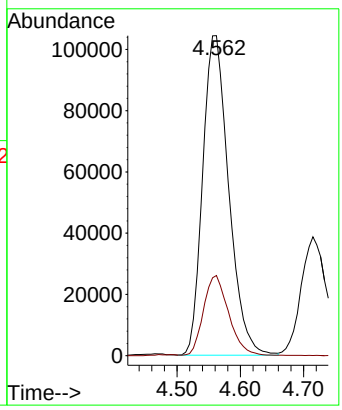


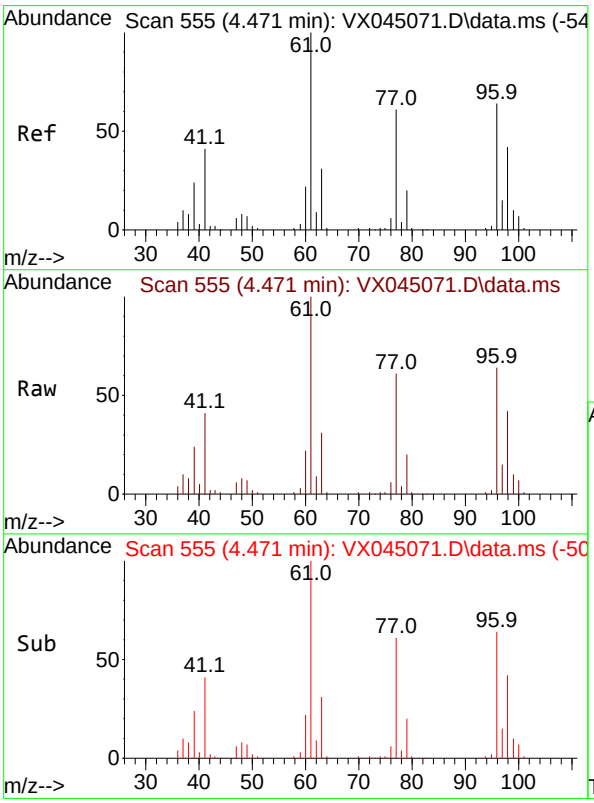
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 298785

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

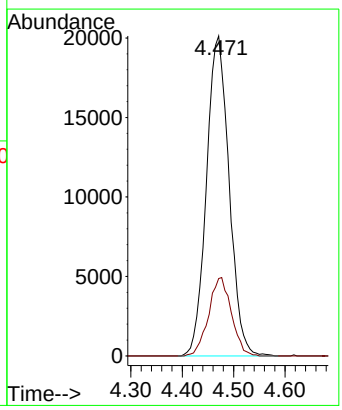


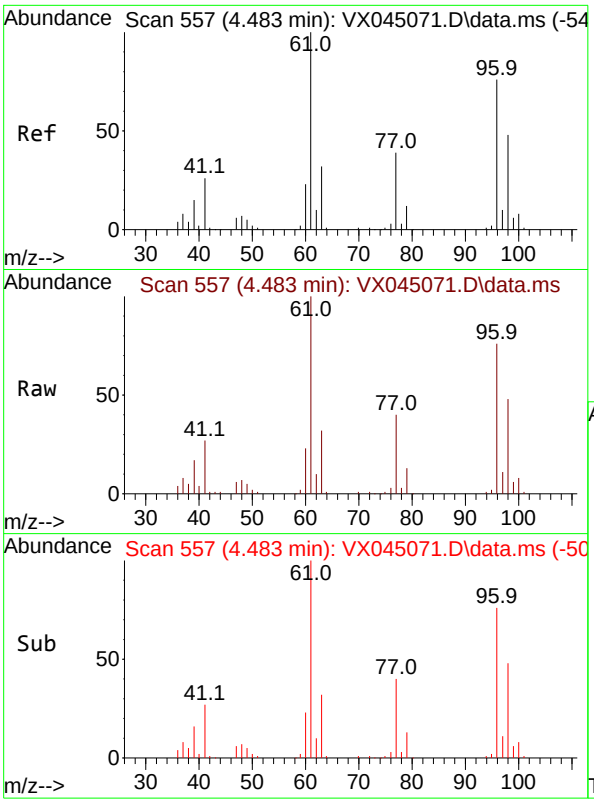


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0



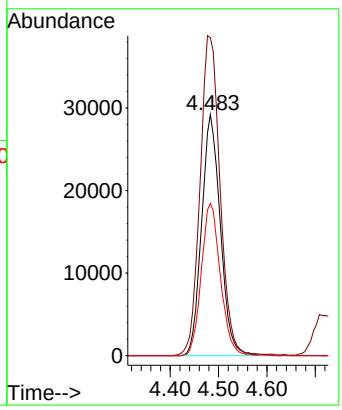


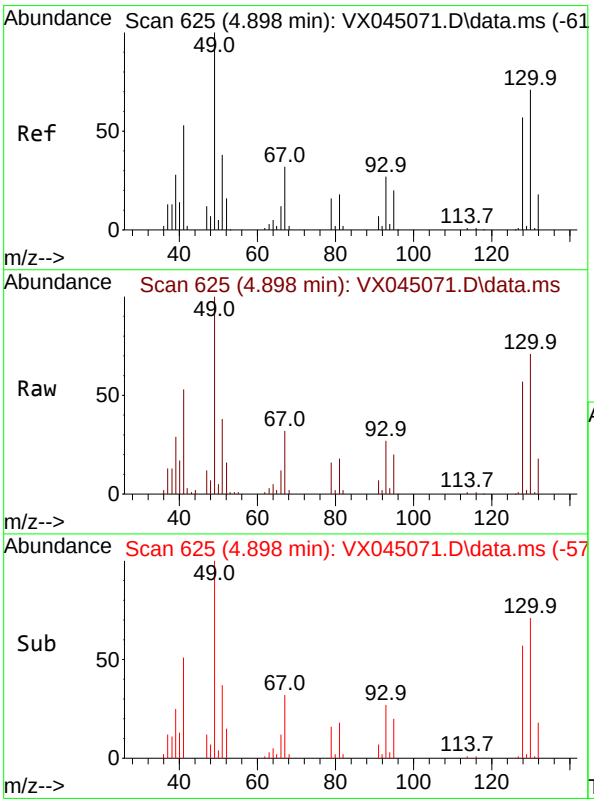
#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 78657

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

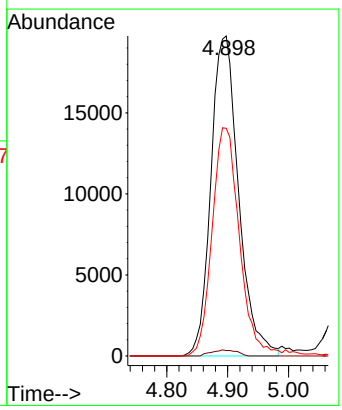


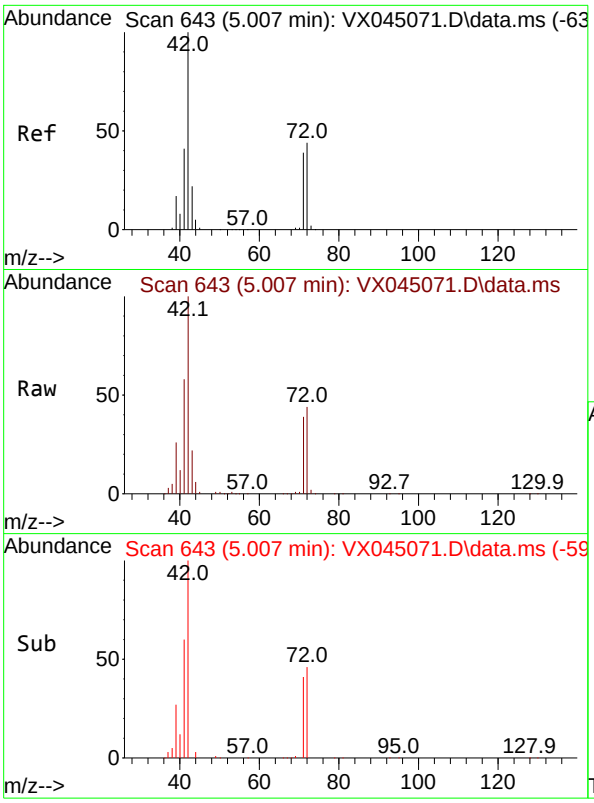


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



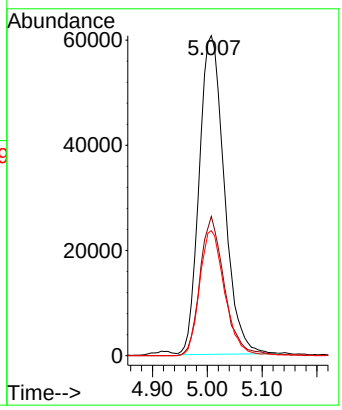


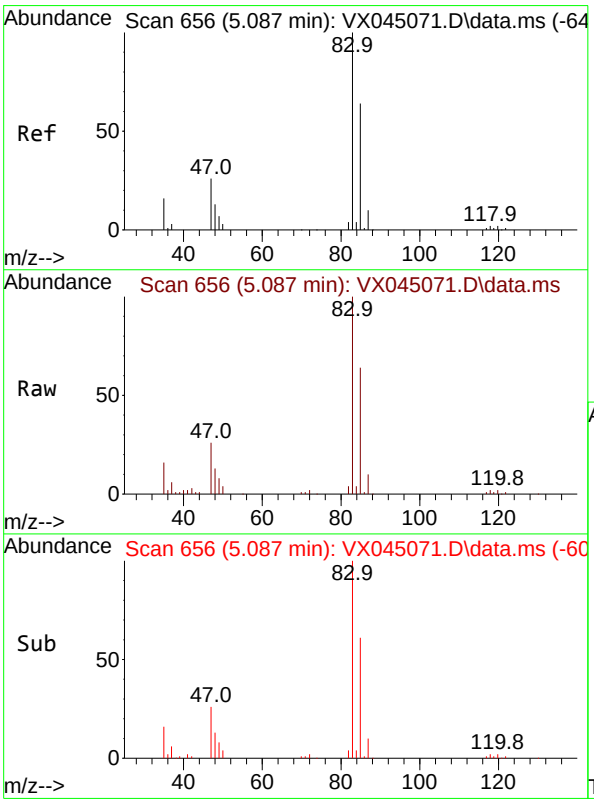
#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 192607

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0

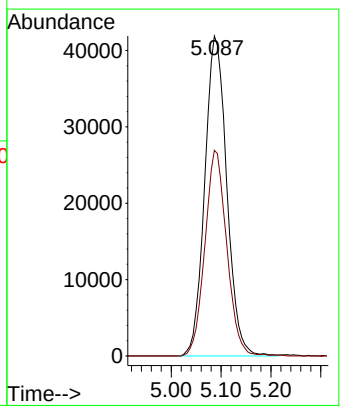


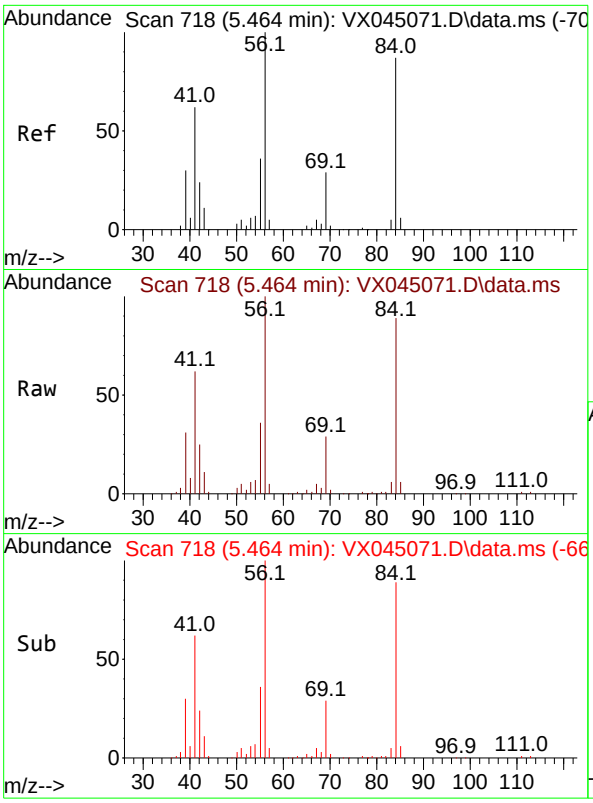


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



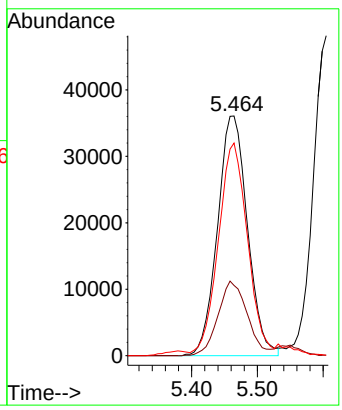


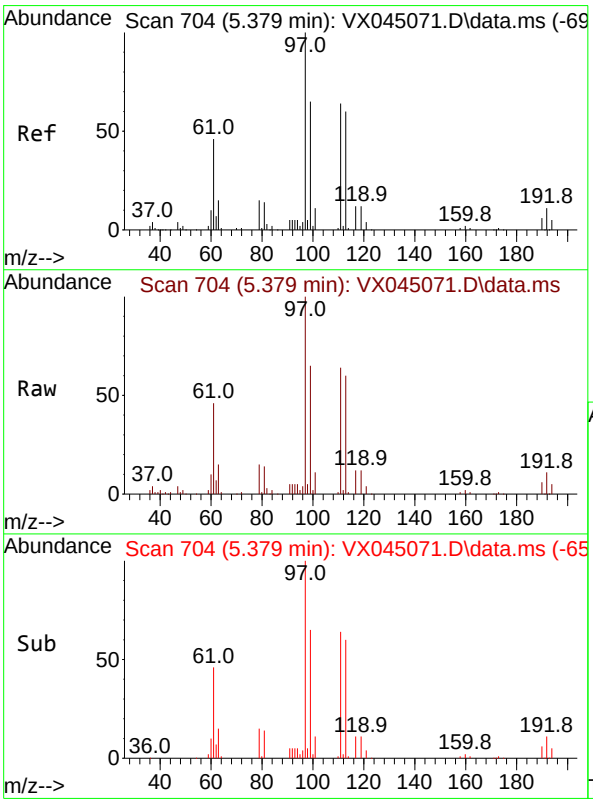
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 114333

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2

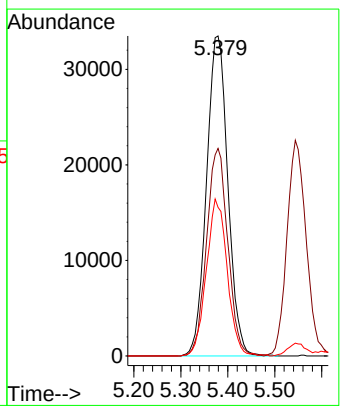


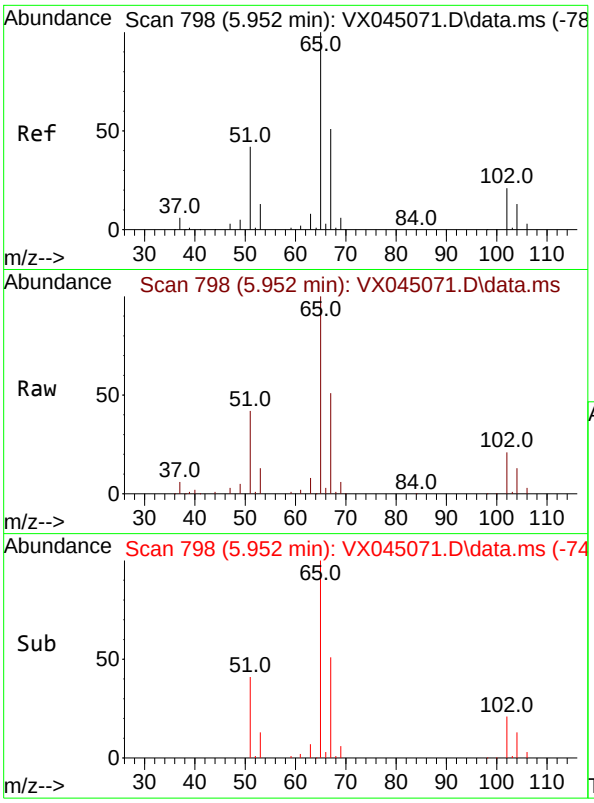


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6



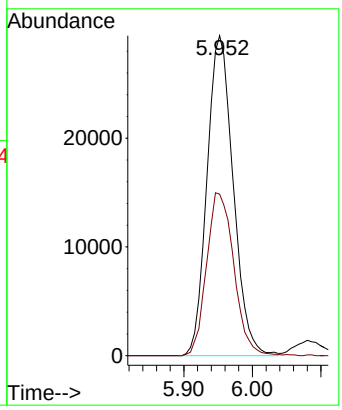


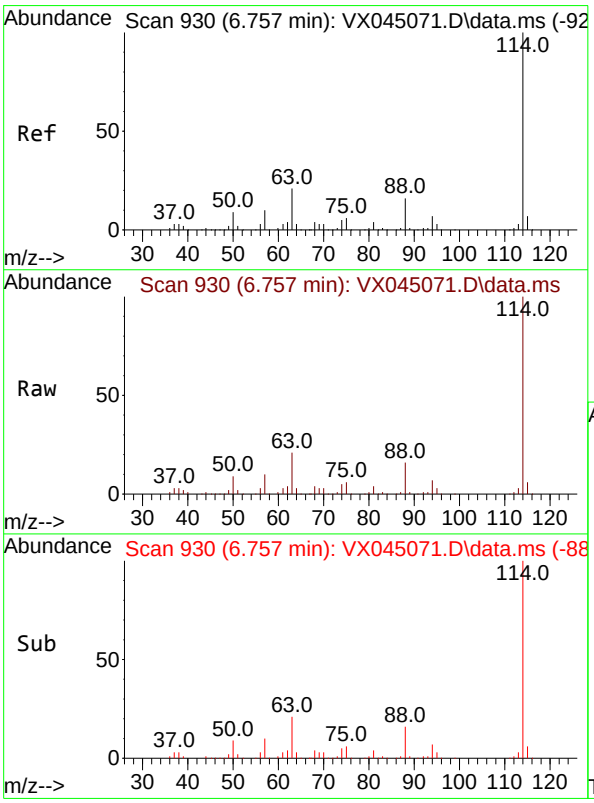
#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

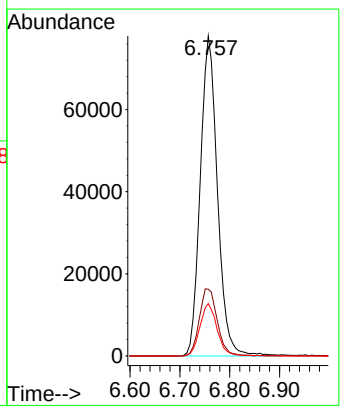


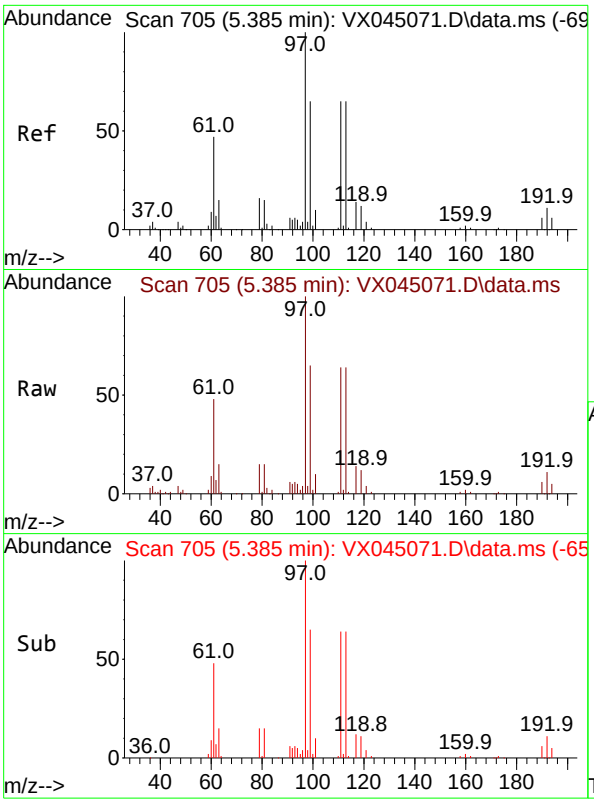


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8



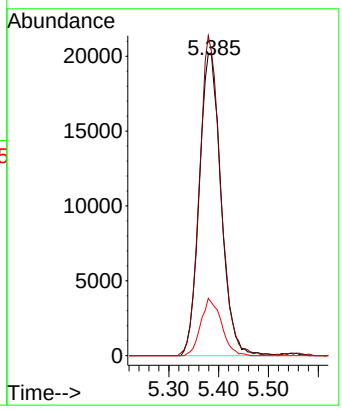


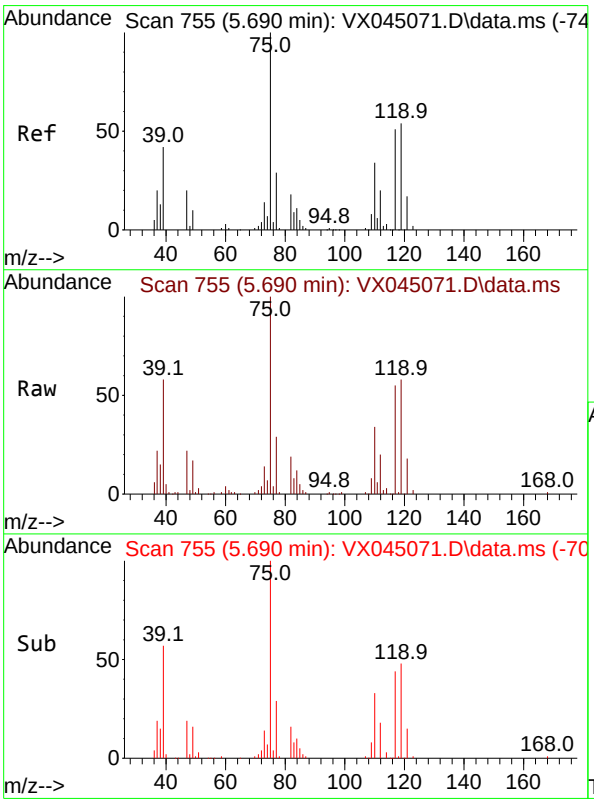
#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 61323

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5

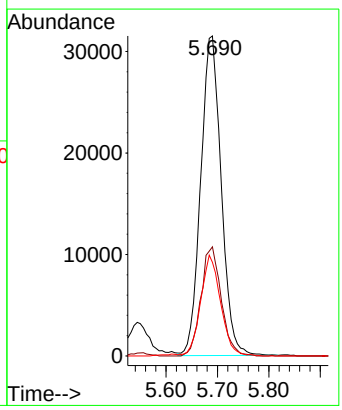


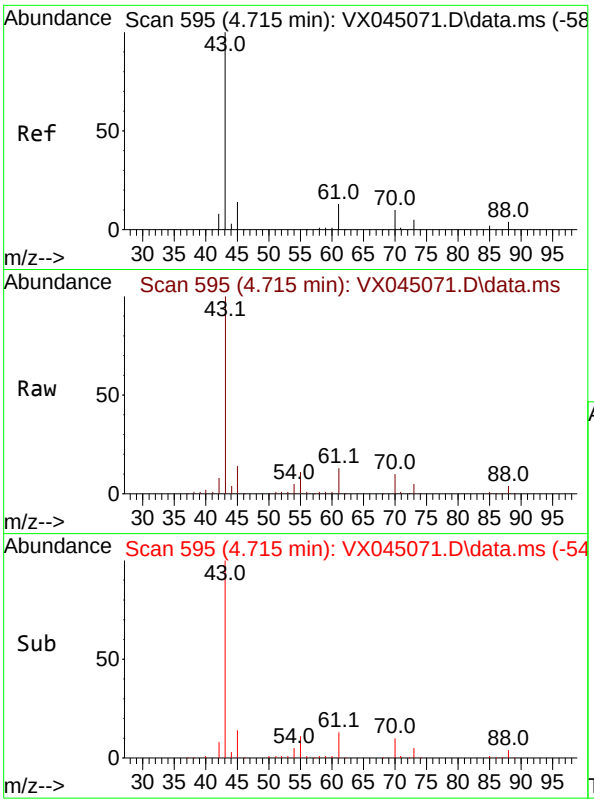


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7



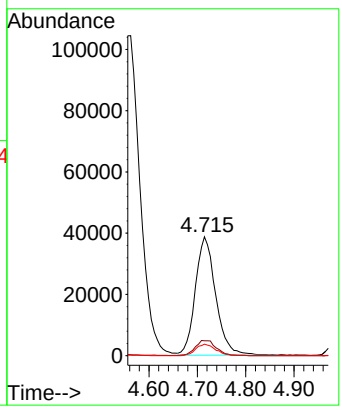


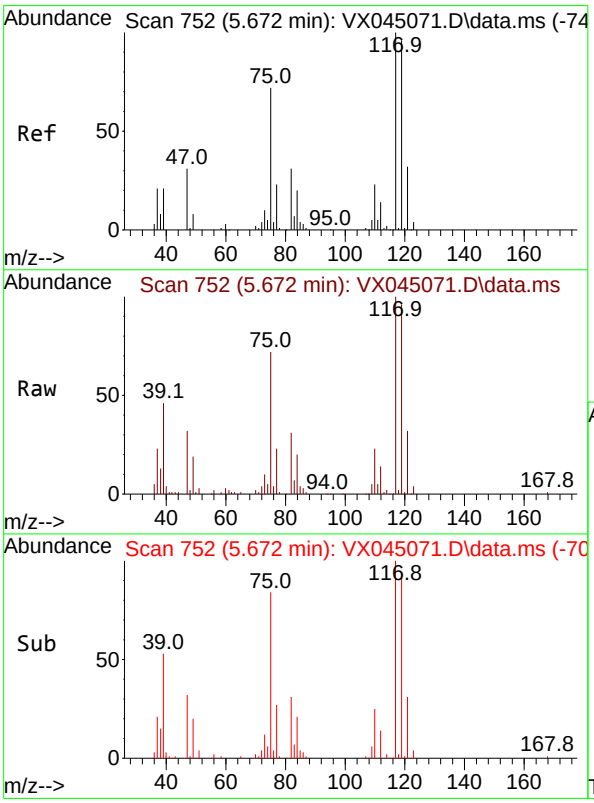
#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 112892

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5

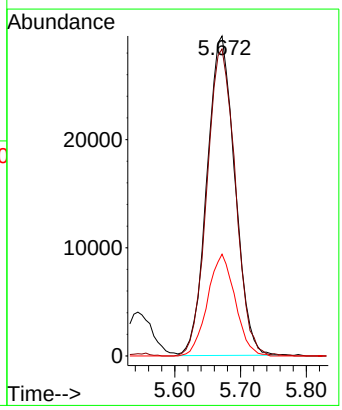


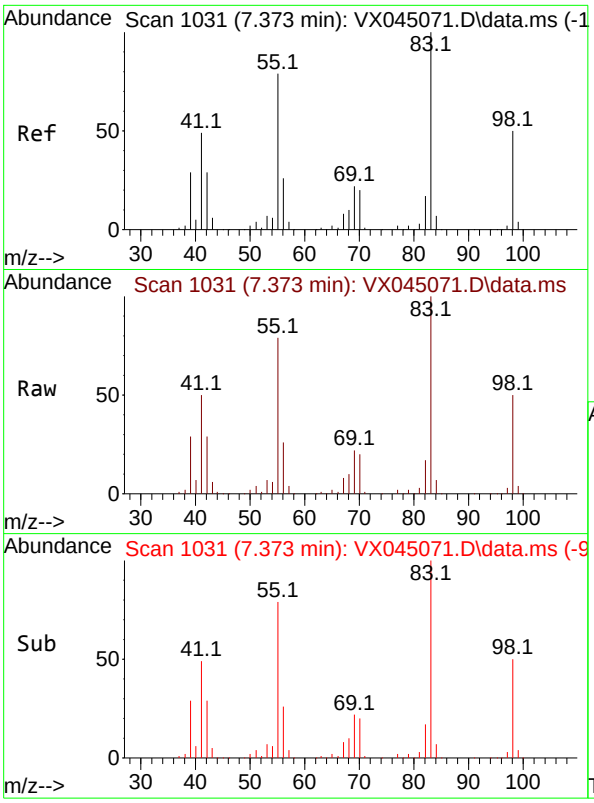


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3



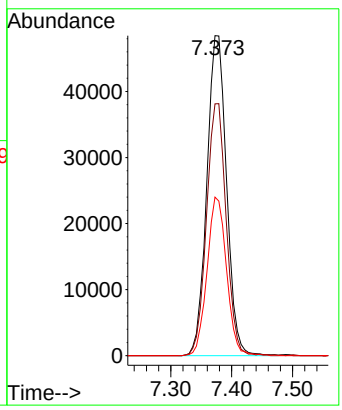


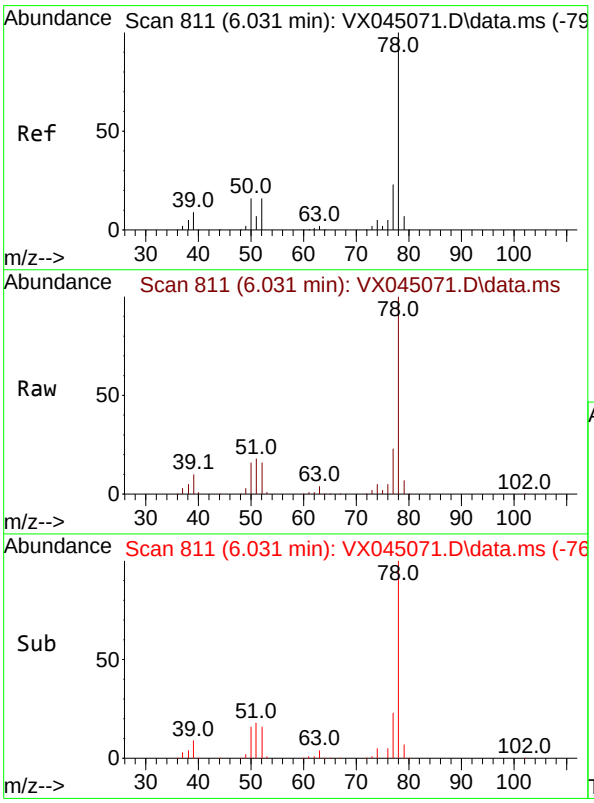
#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 108974

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

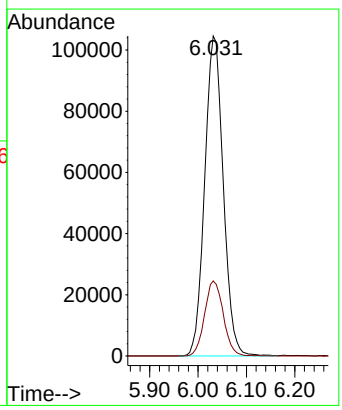


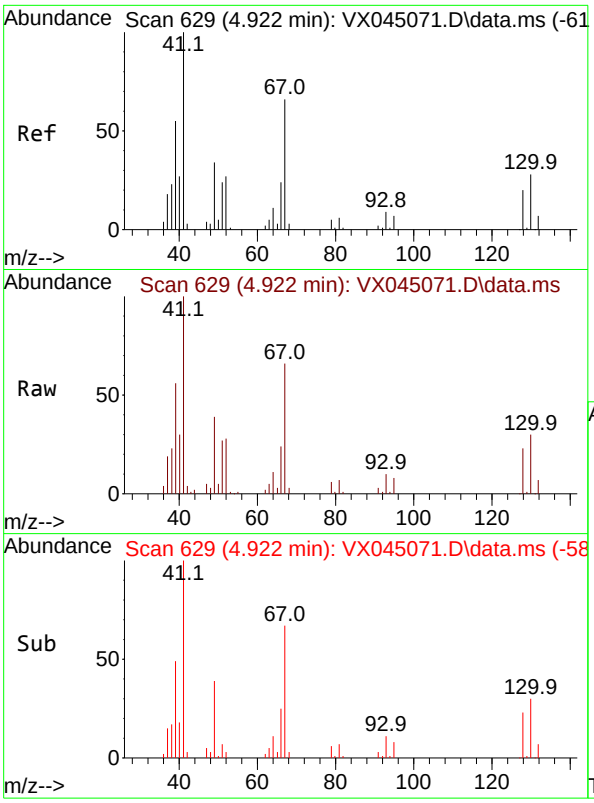


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



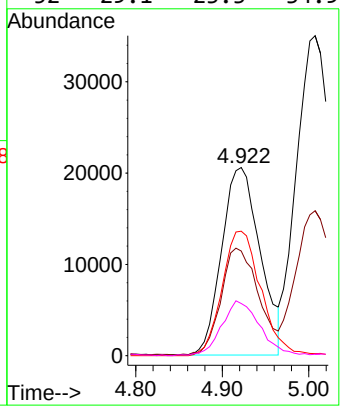


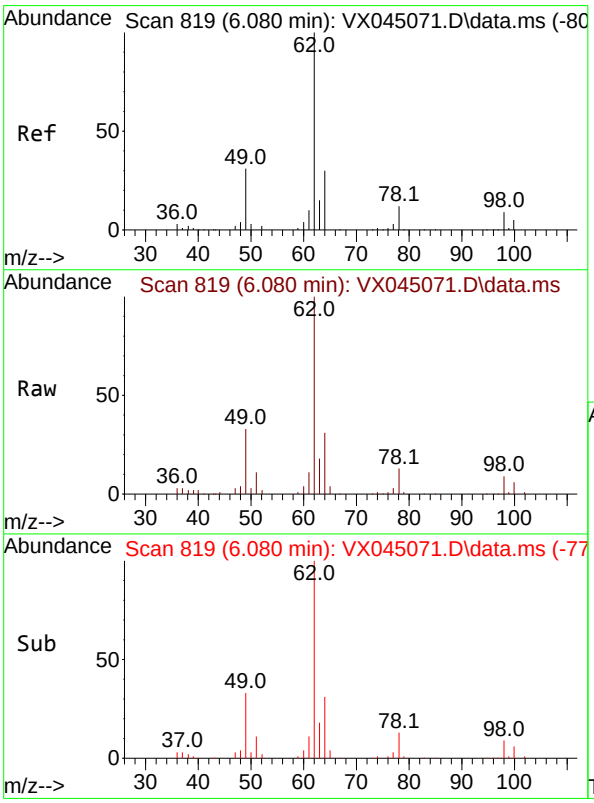
#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 63454

Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9

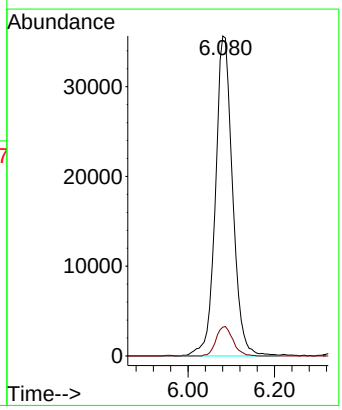


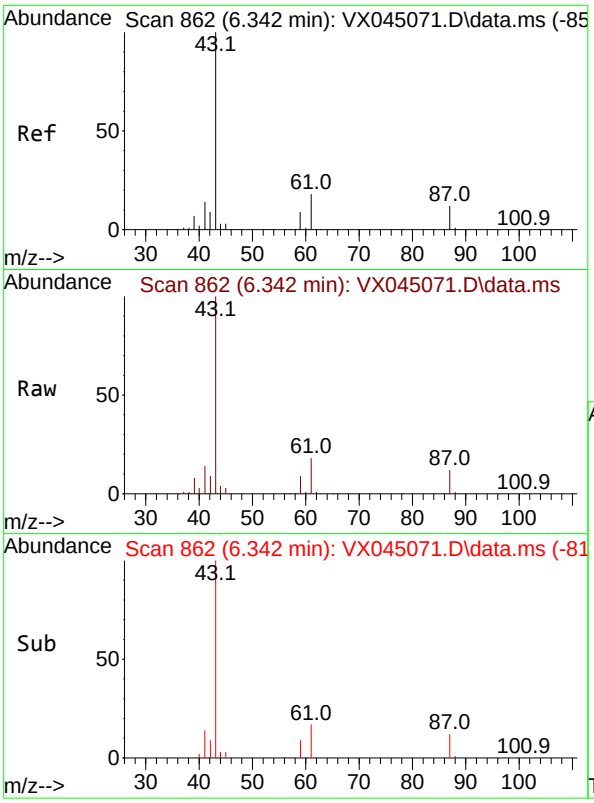


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



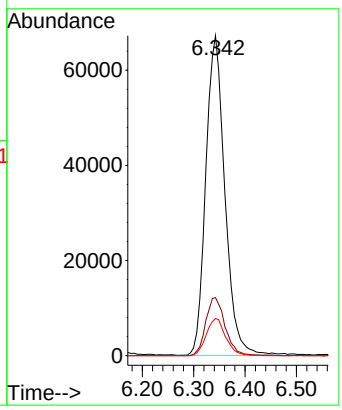


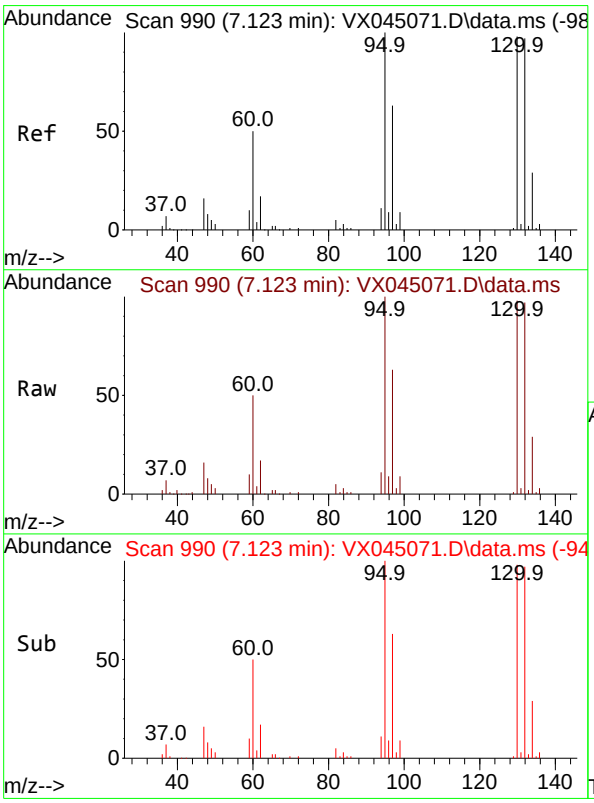
#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 173045

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2

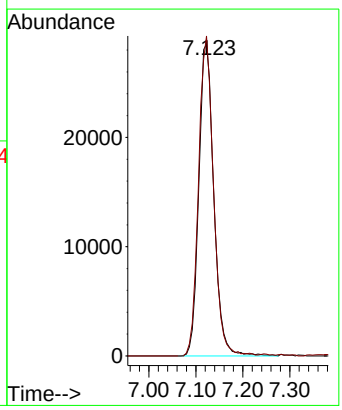


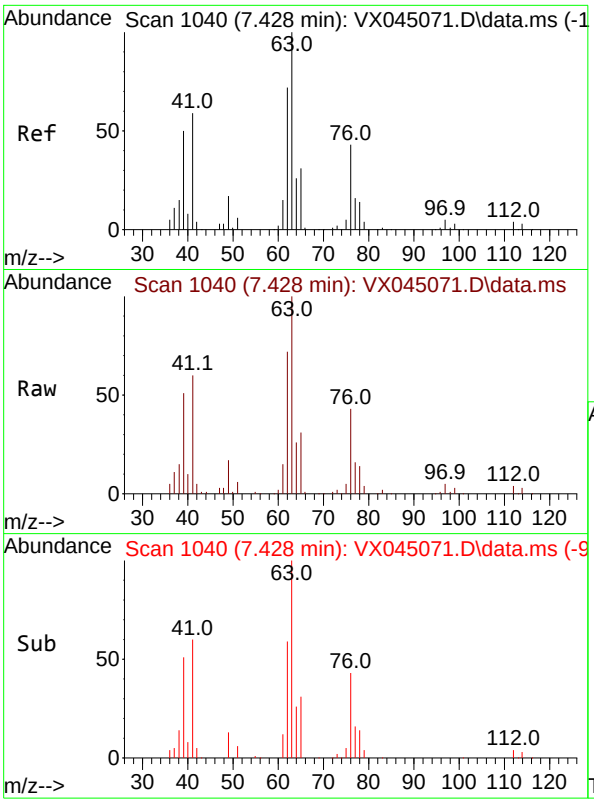


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0



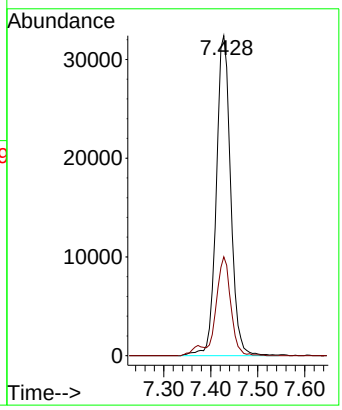


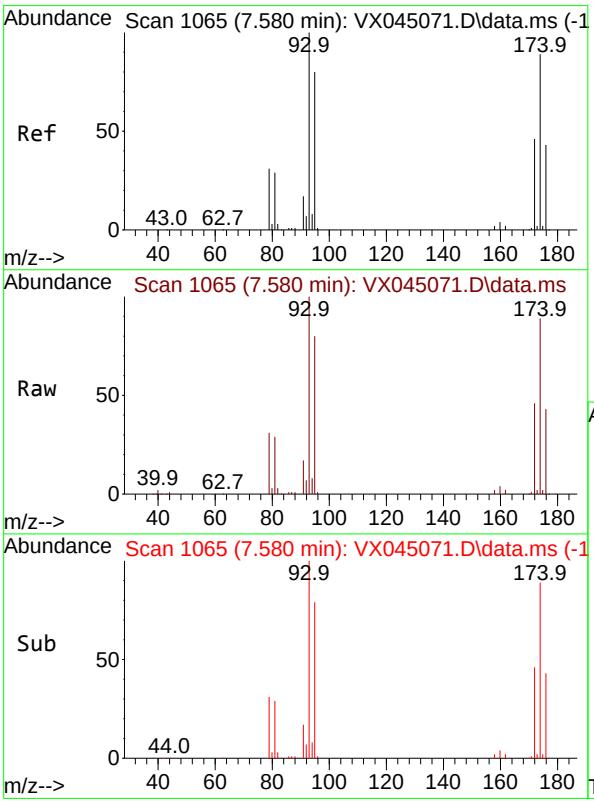
#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

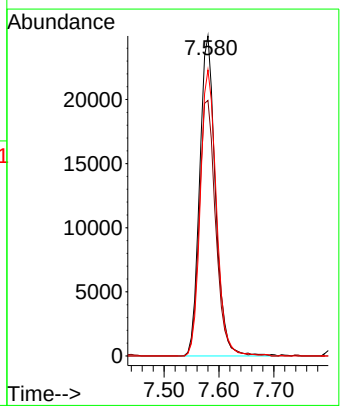


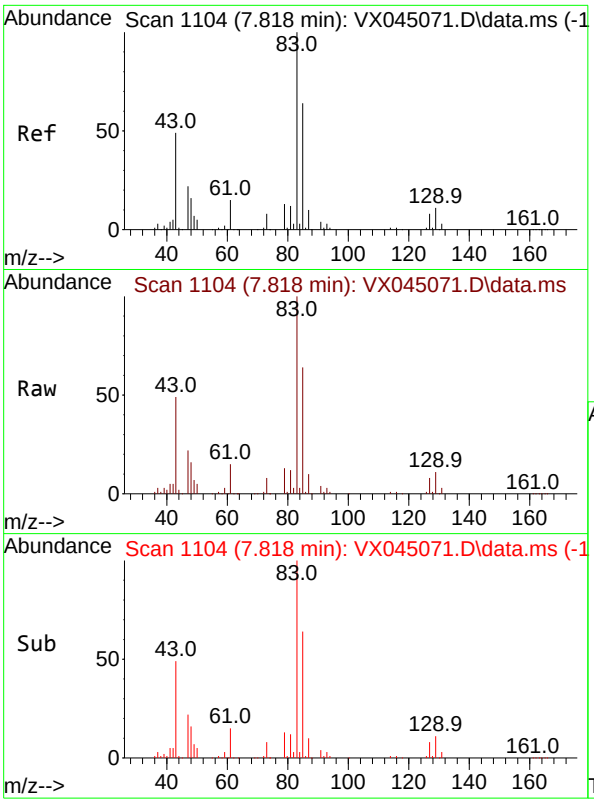


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2



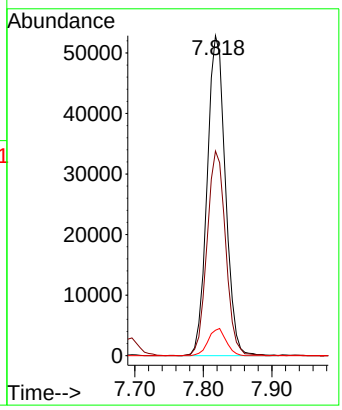


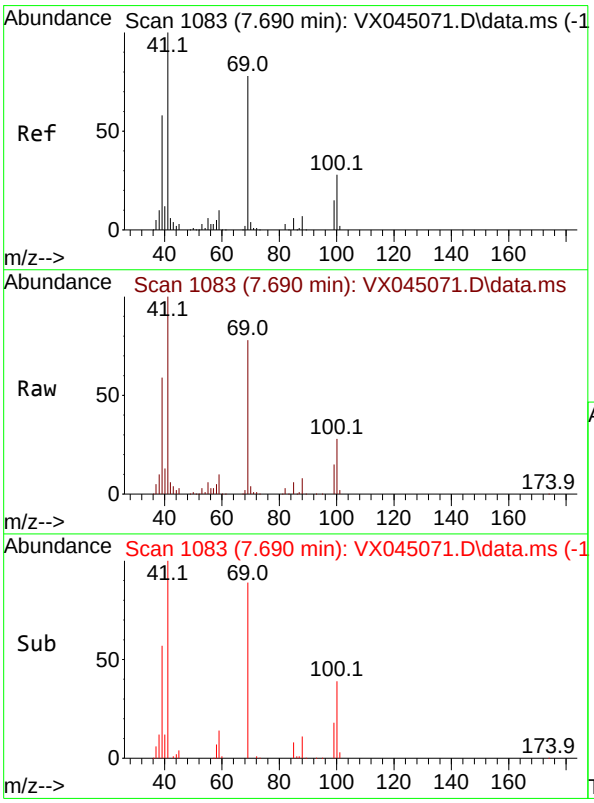
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 97729

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6

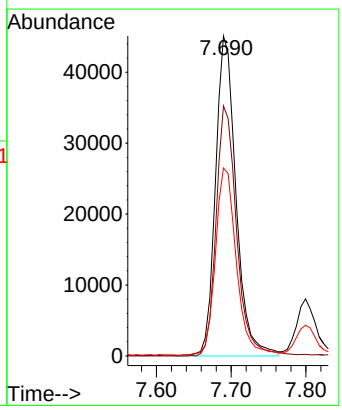


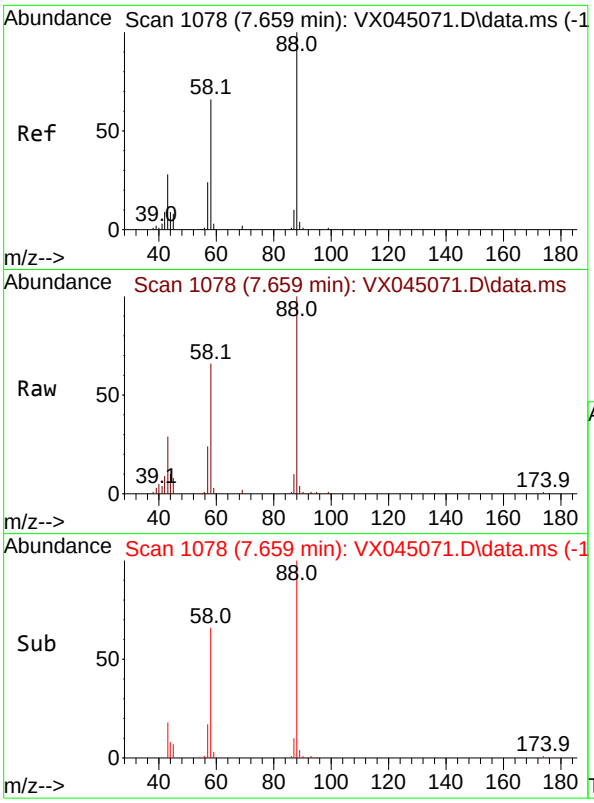


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3



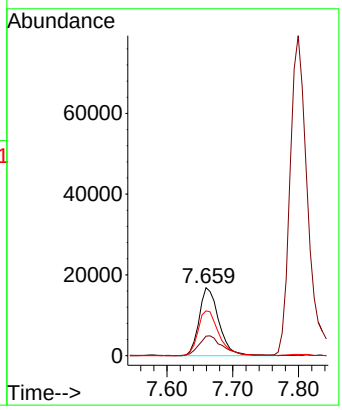


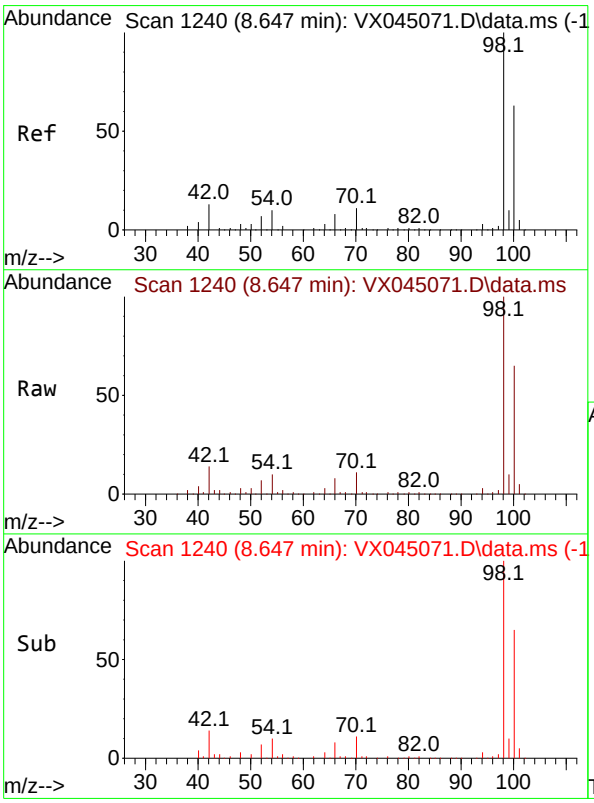
#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 35053

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

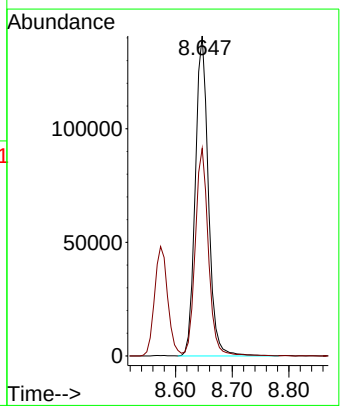


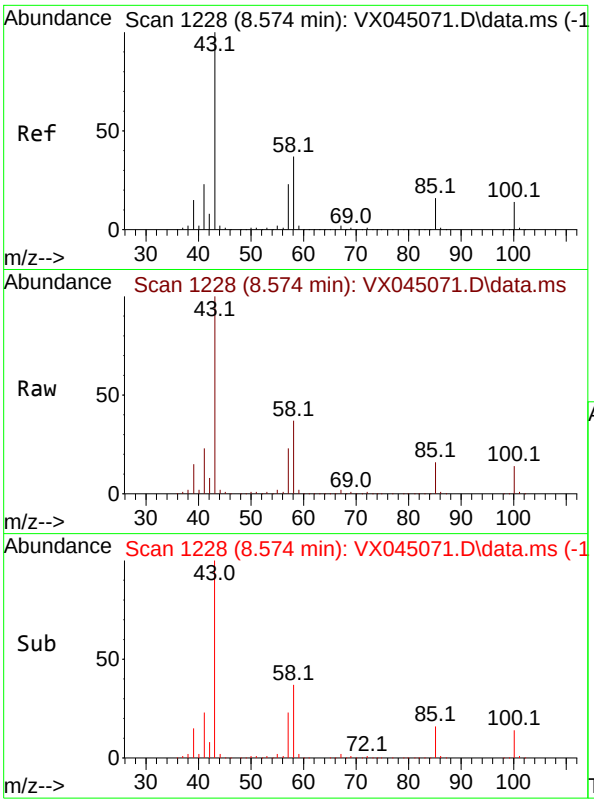


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



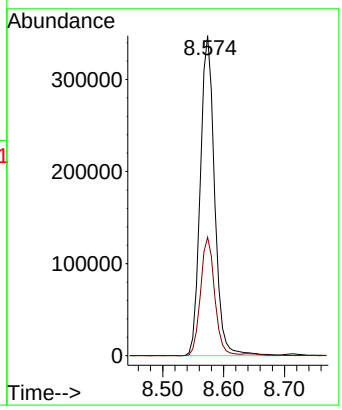


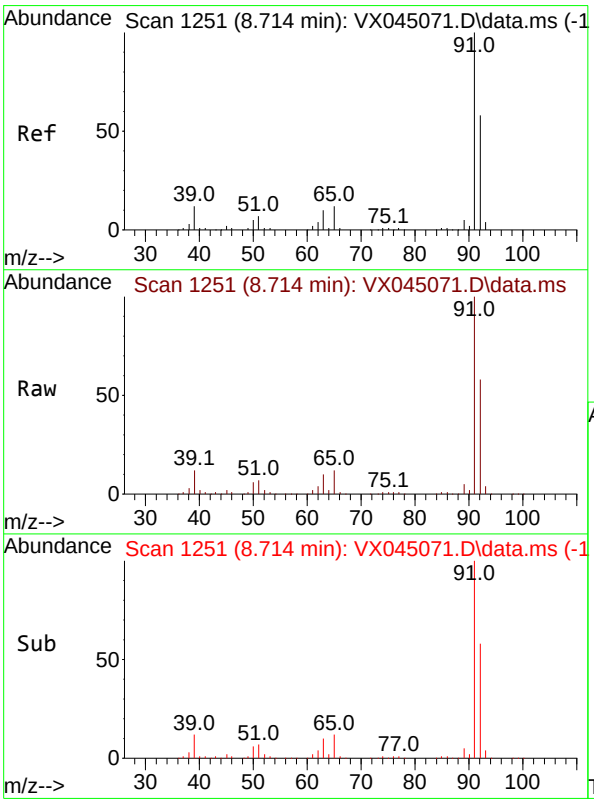
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568737

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

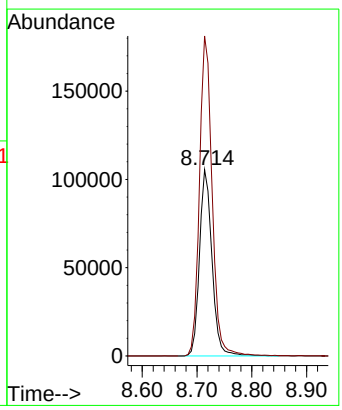


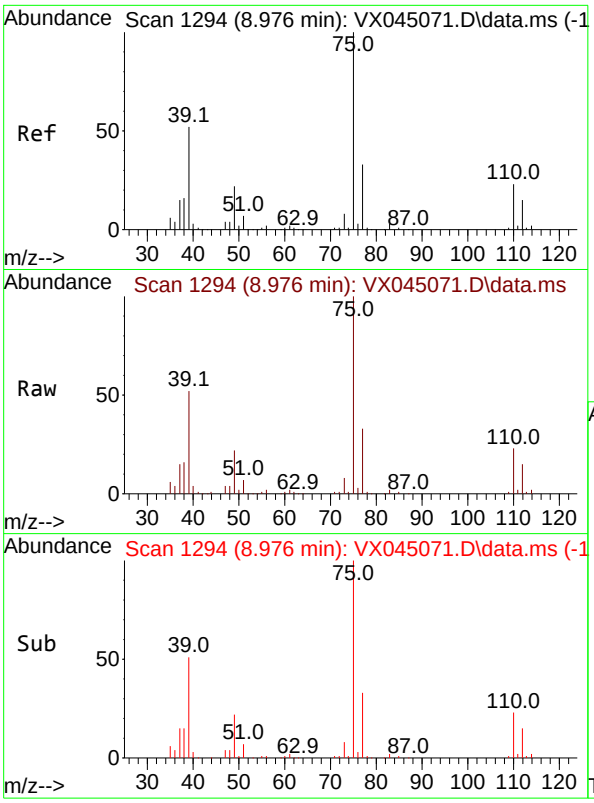


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



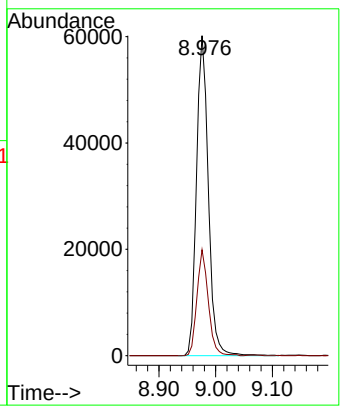


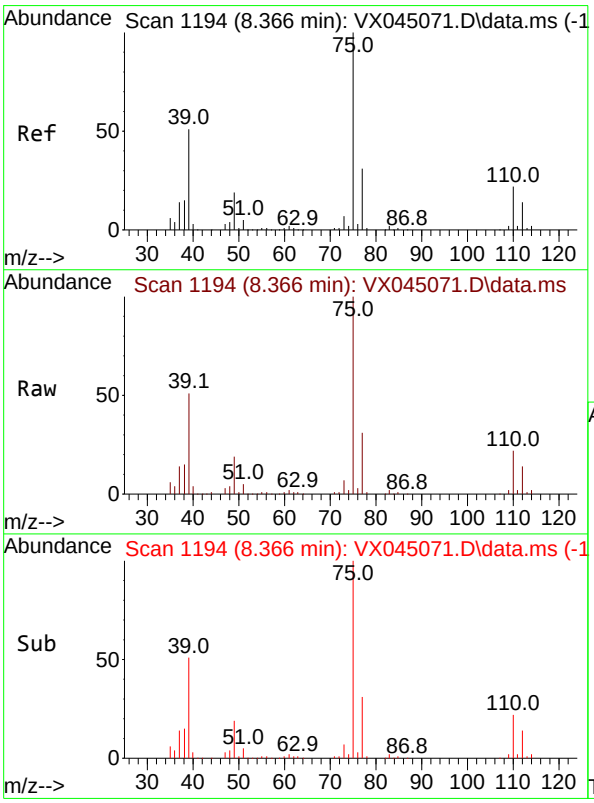
#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

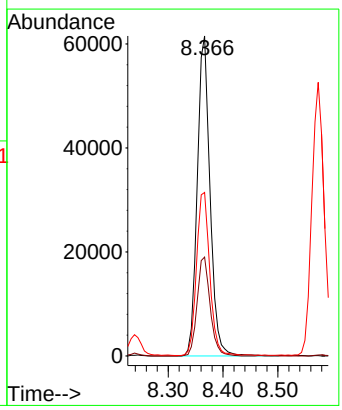


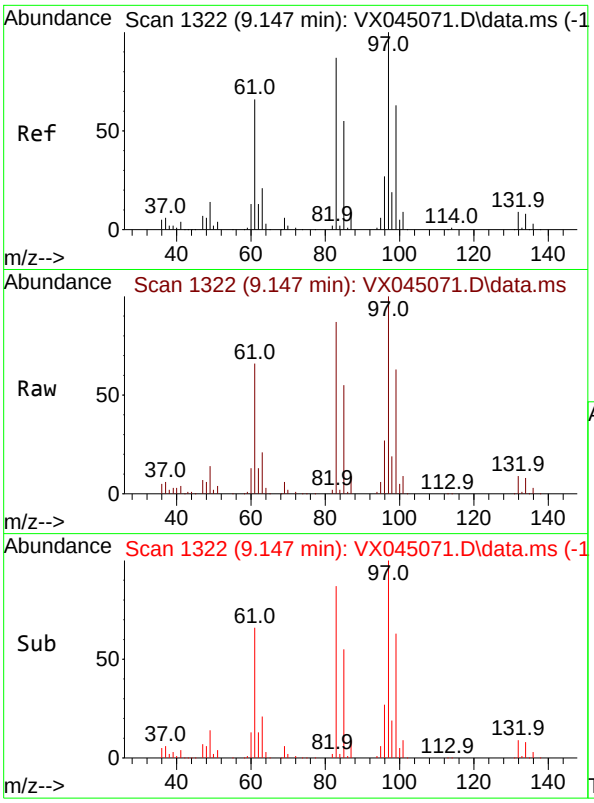


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



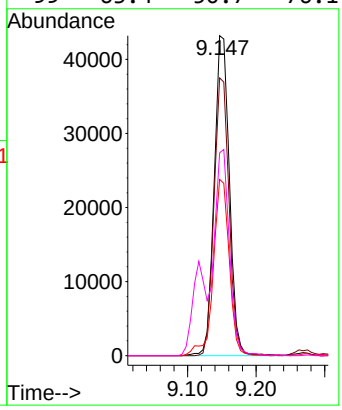


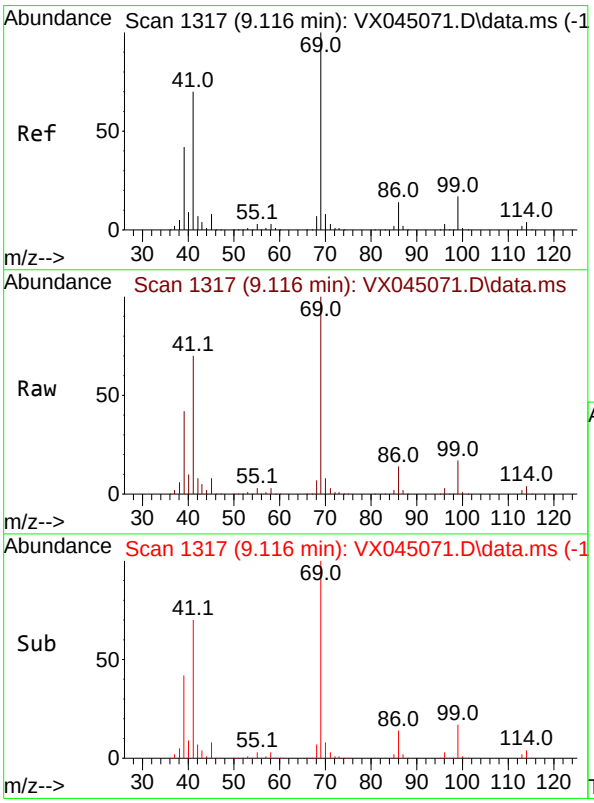
#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 66379

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1

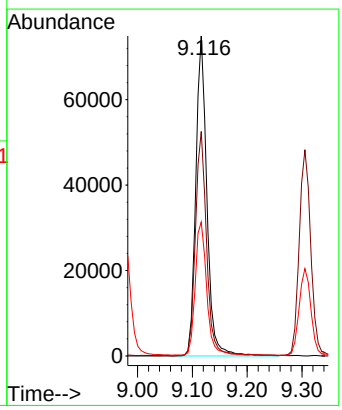


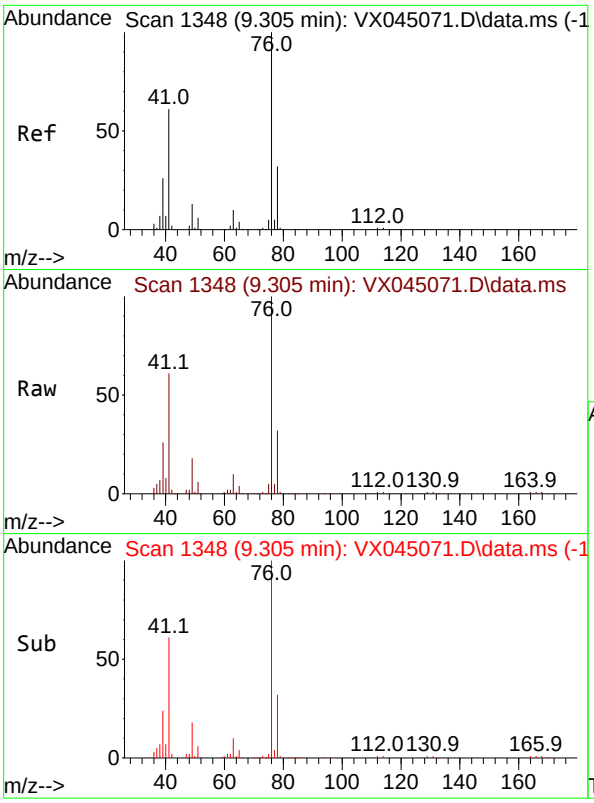


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4



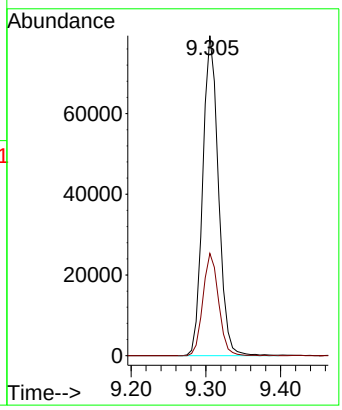


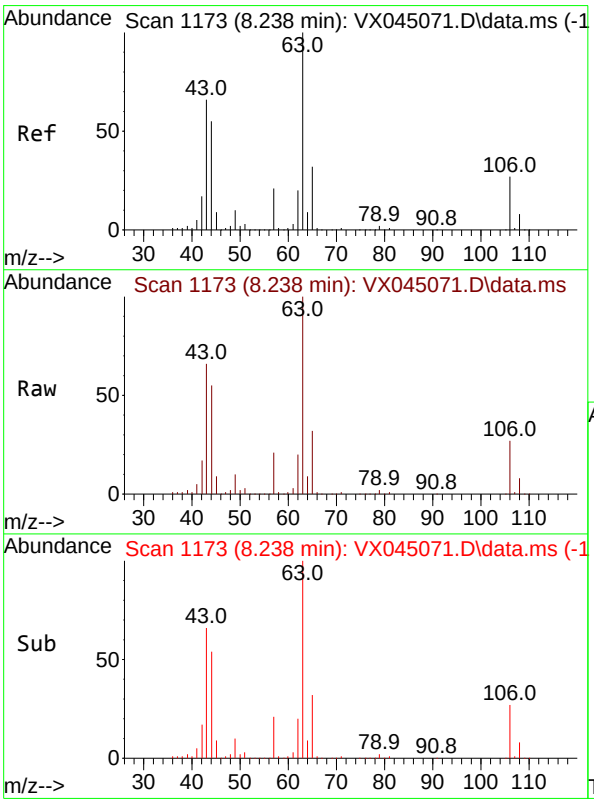
#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

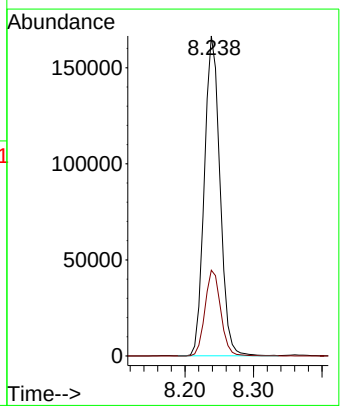


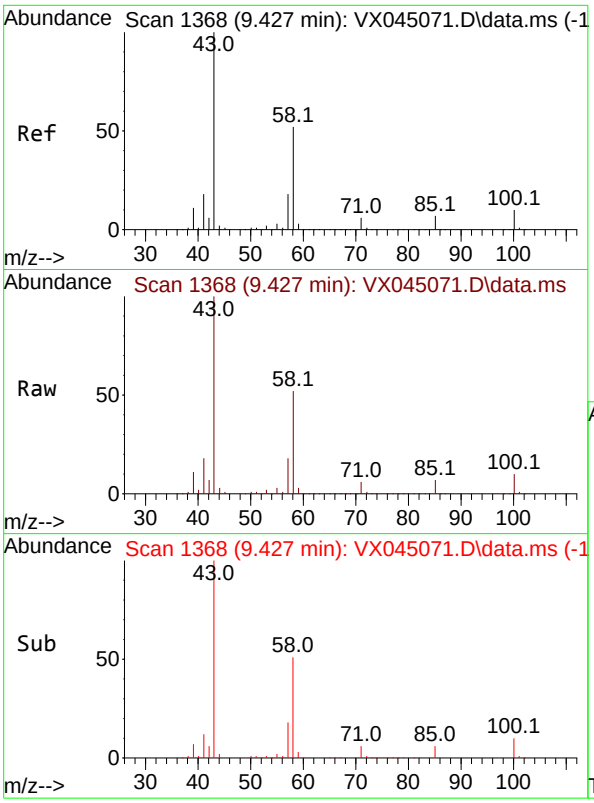


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



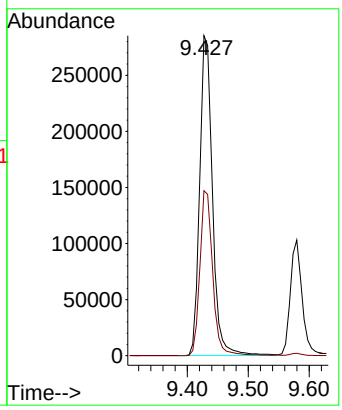


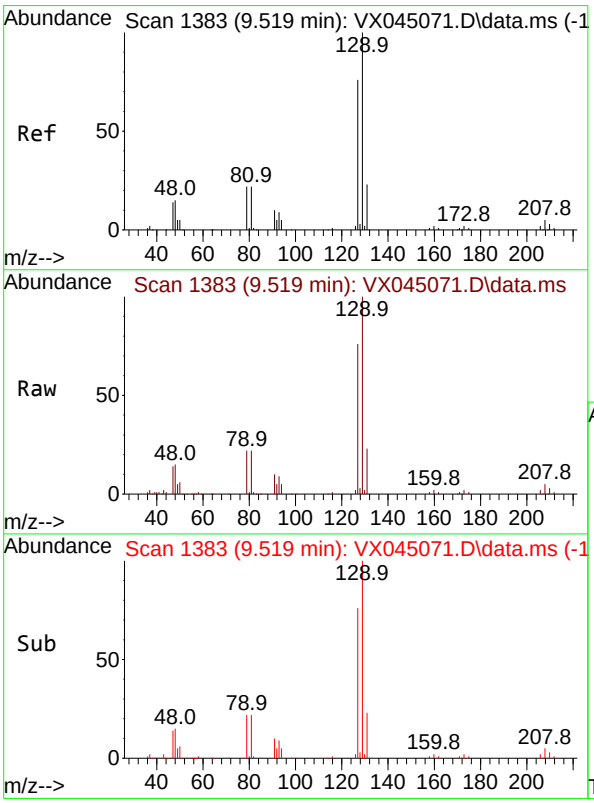
#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

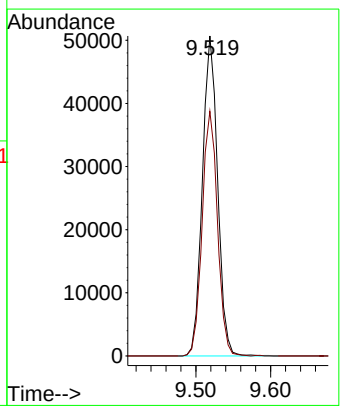


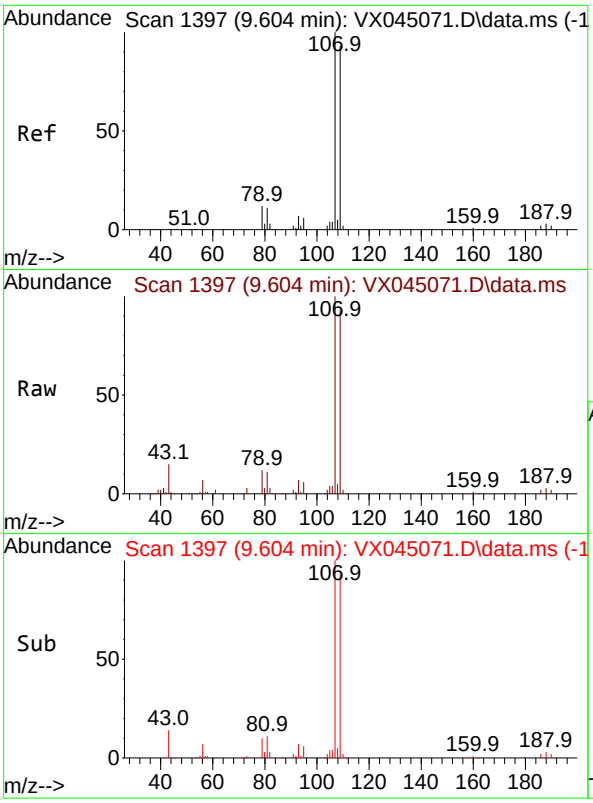


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



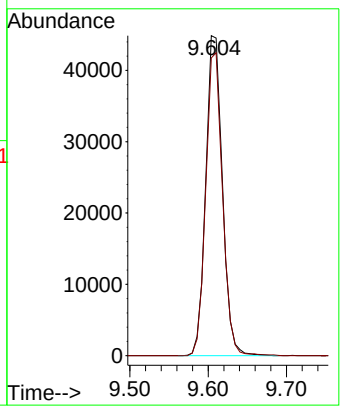


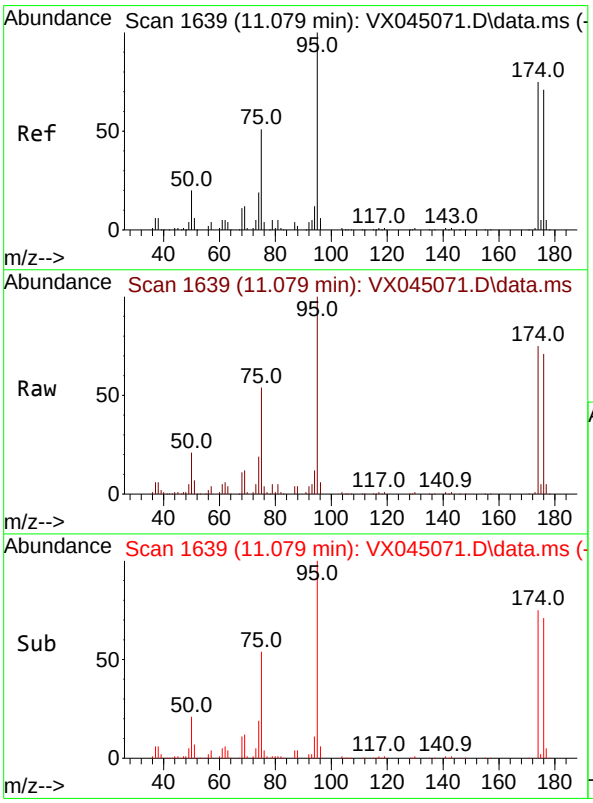
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

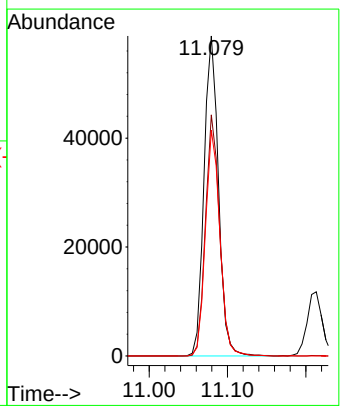


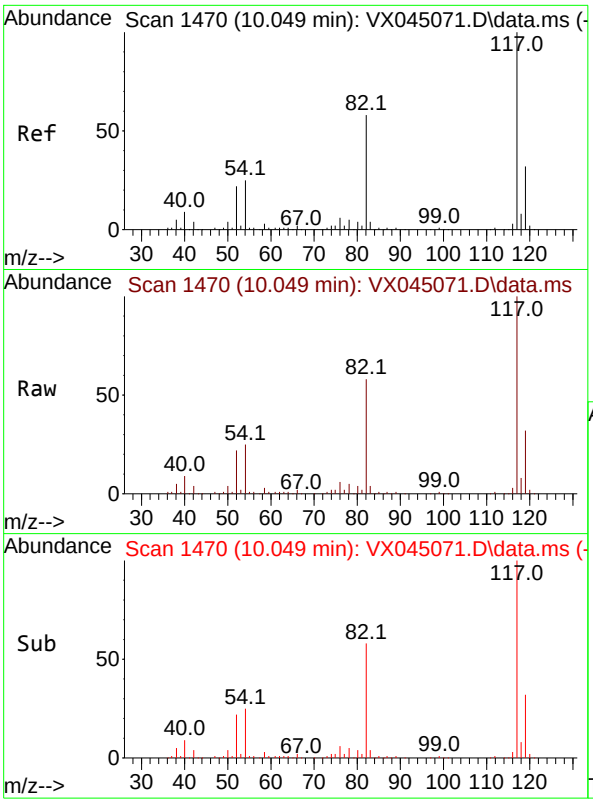


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4



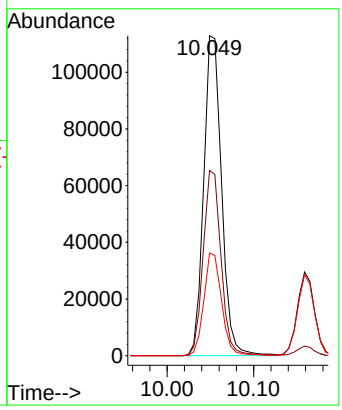


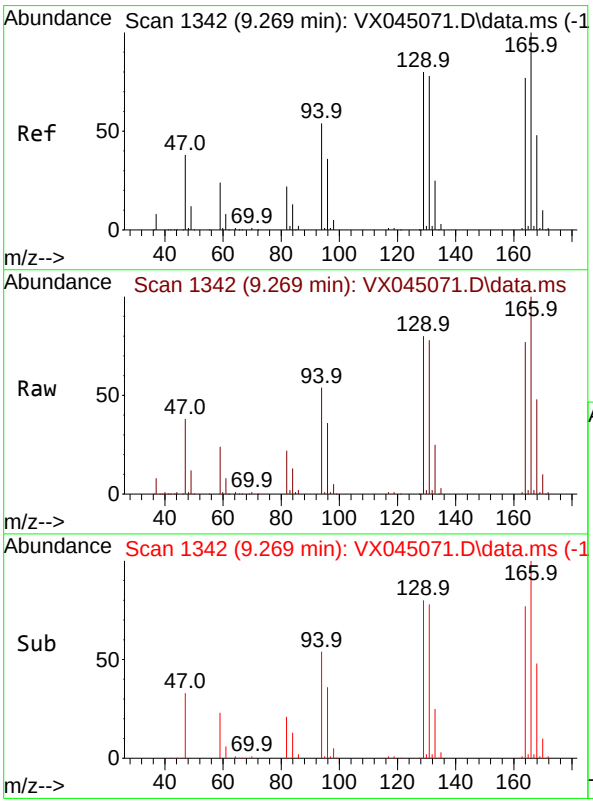
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 162079

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

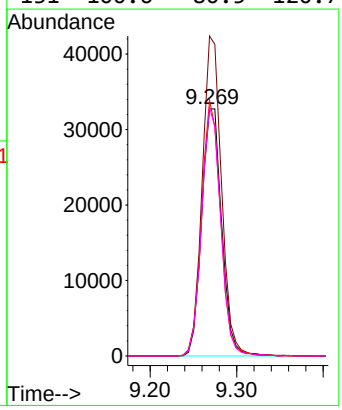


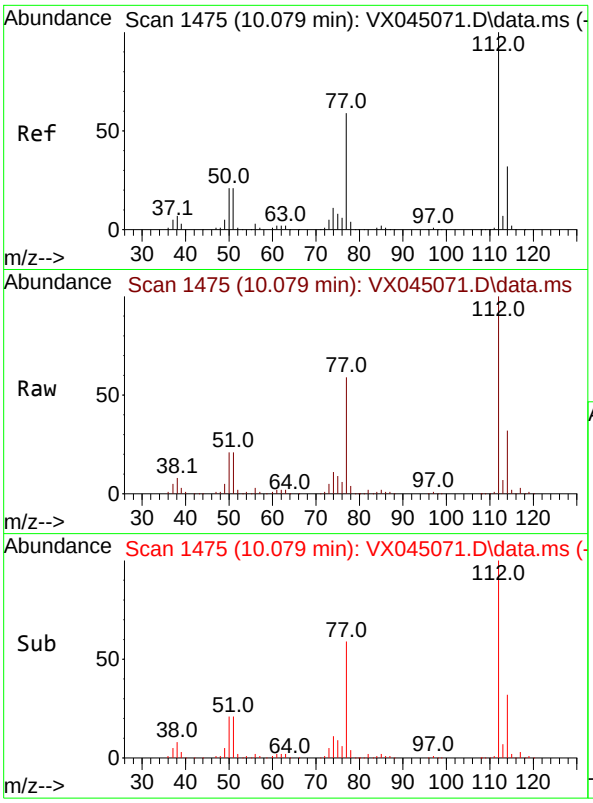


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7



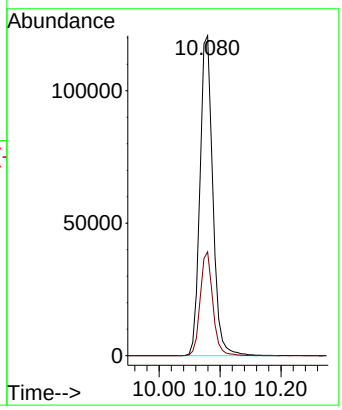


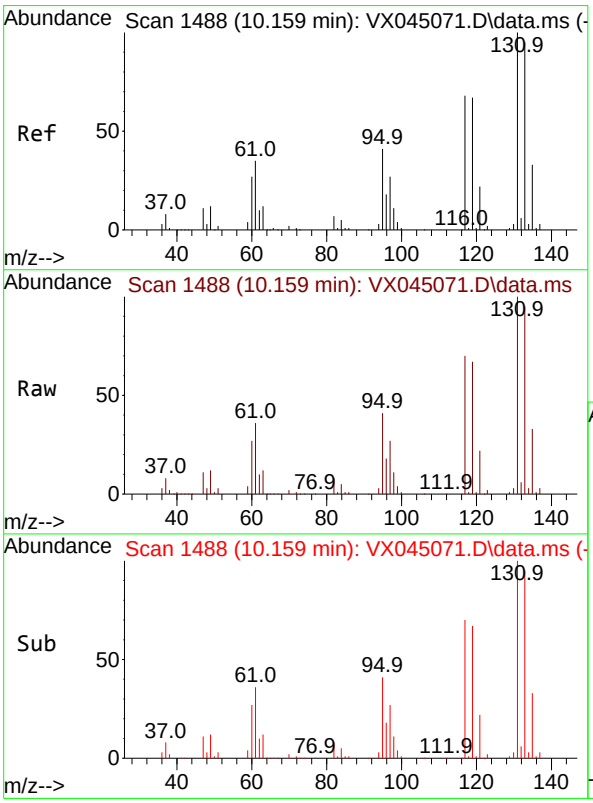
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 176922

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

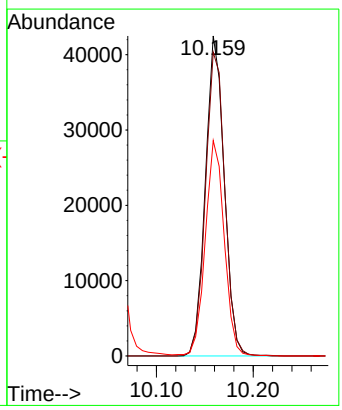


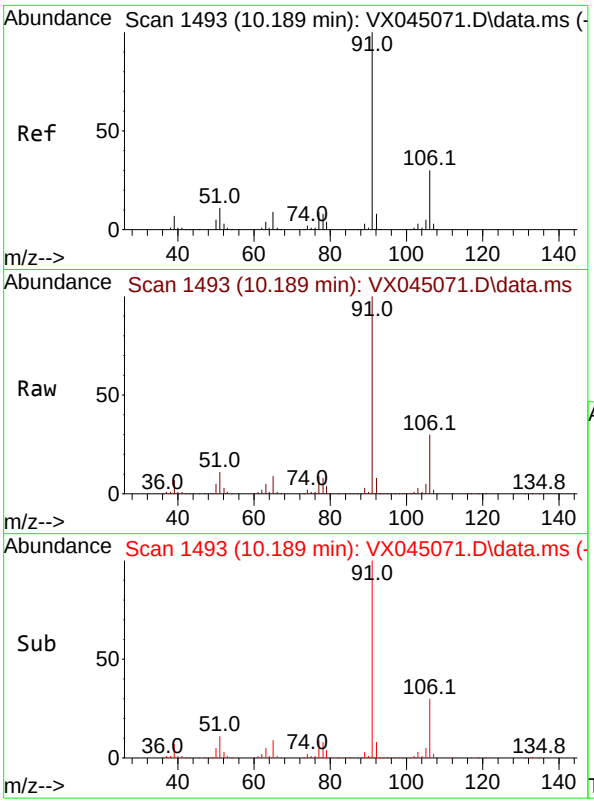


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7



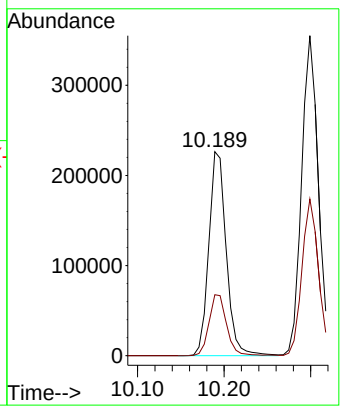


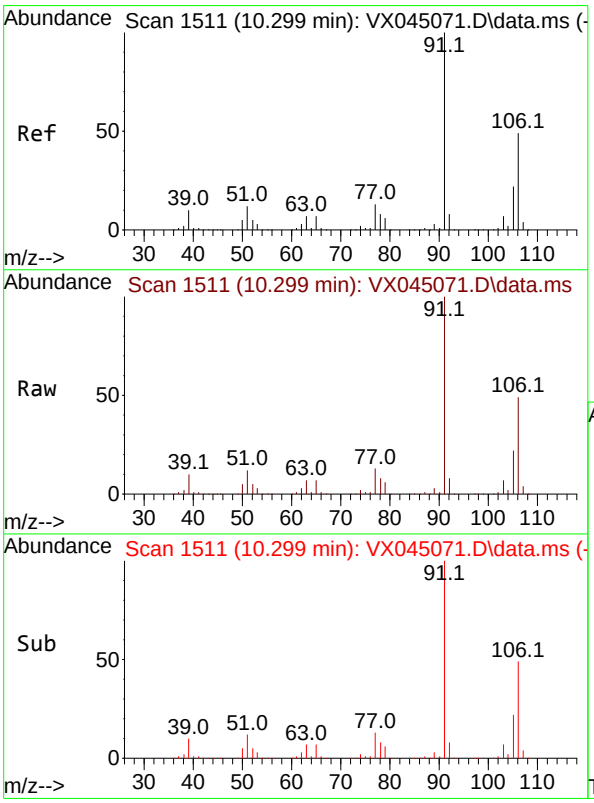
#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 316427

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

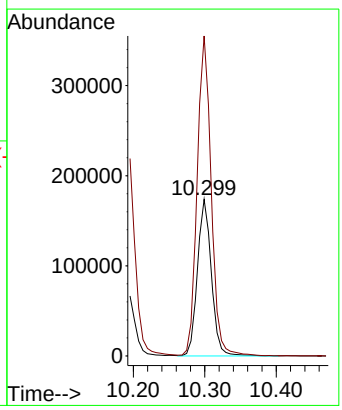


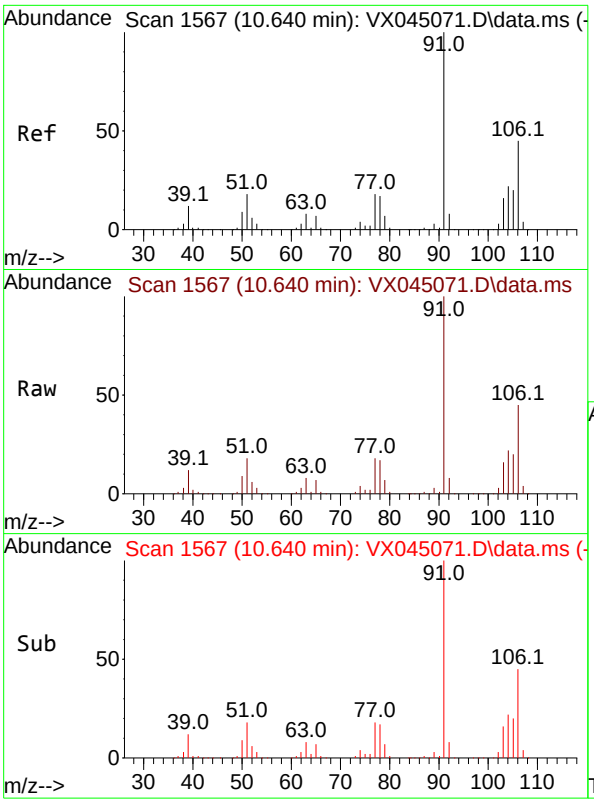


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0



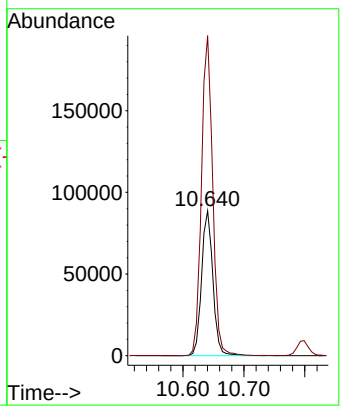


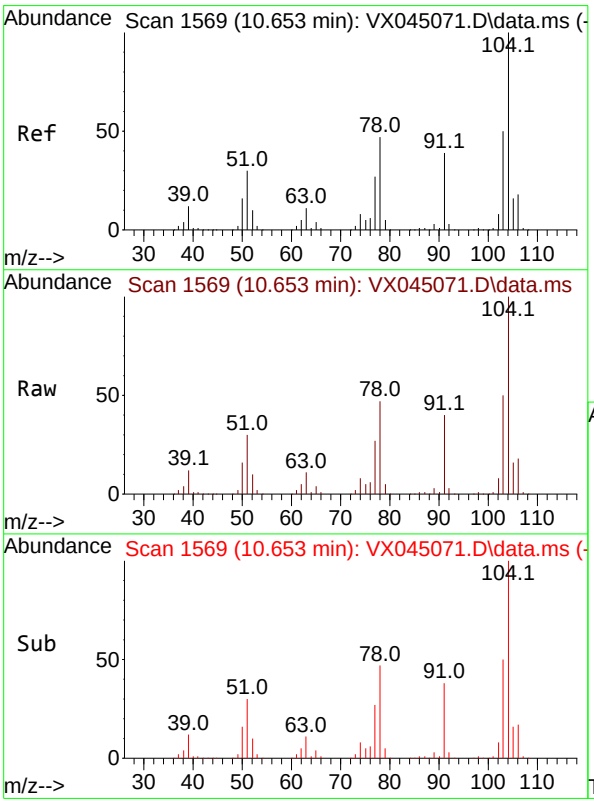
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

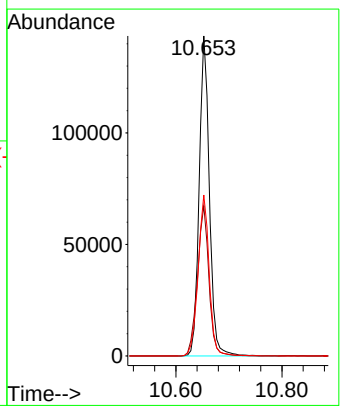


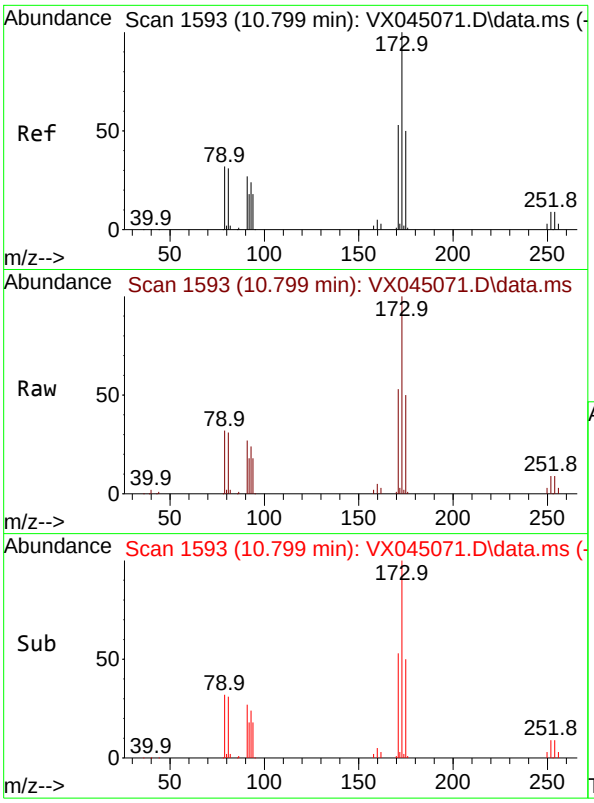


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8



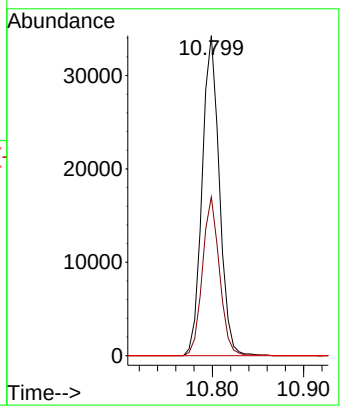


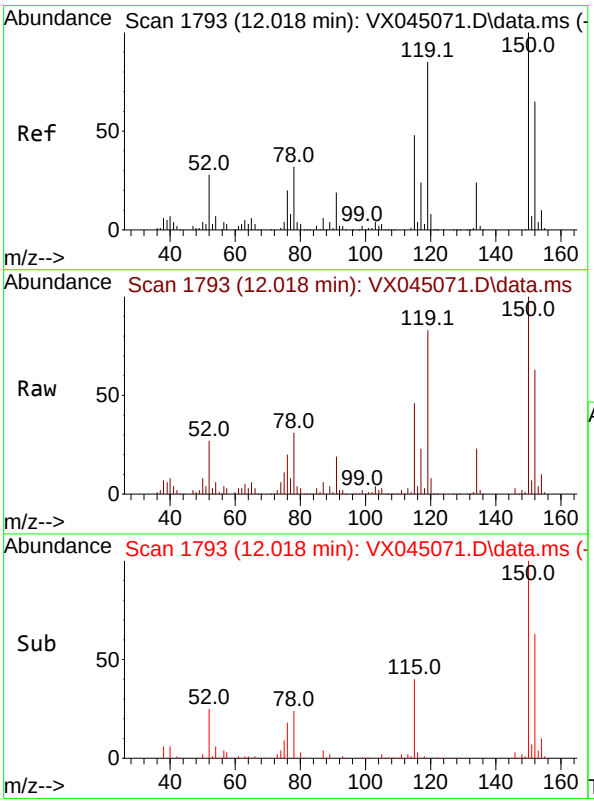
#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 44730

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0

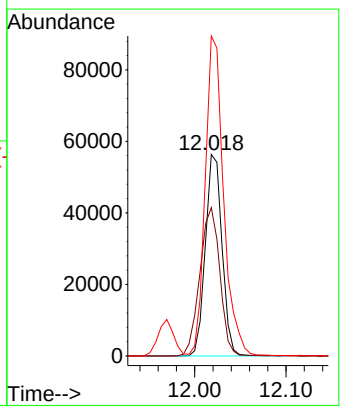


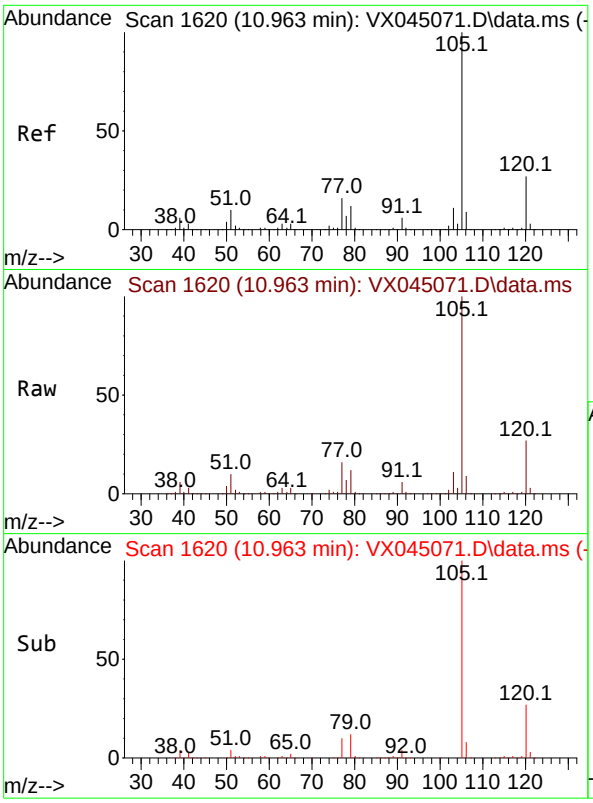


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0



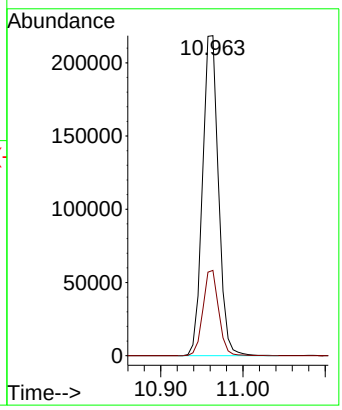


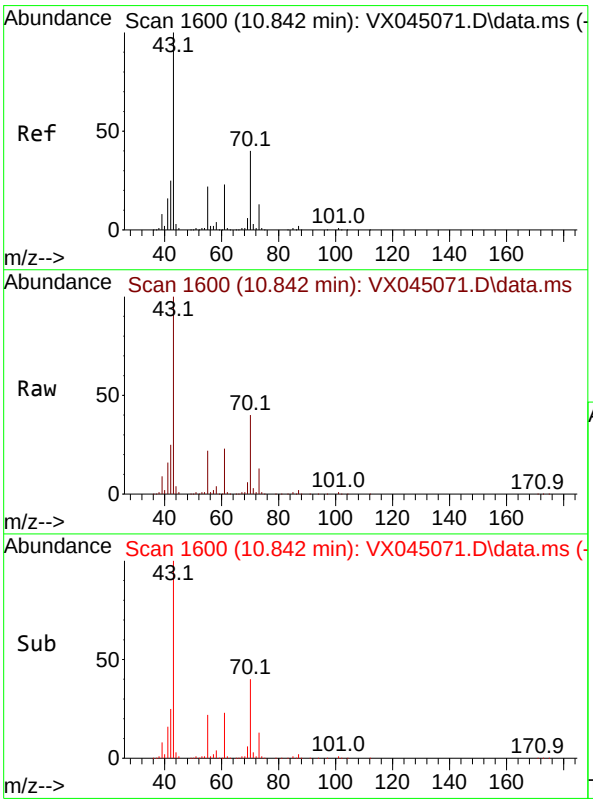
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

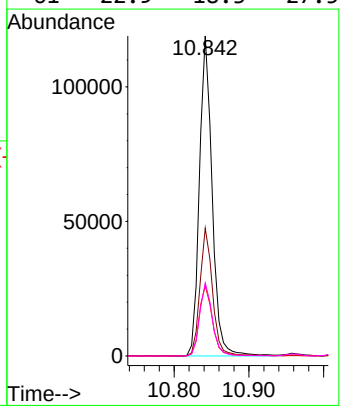


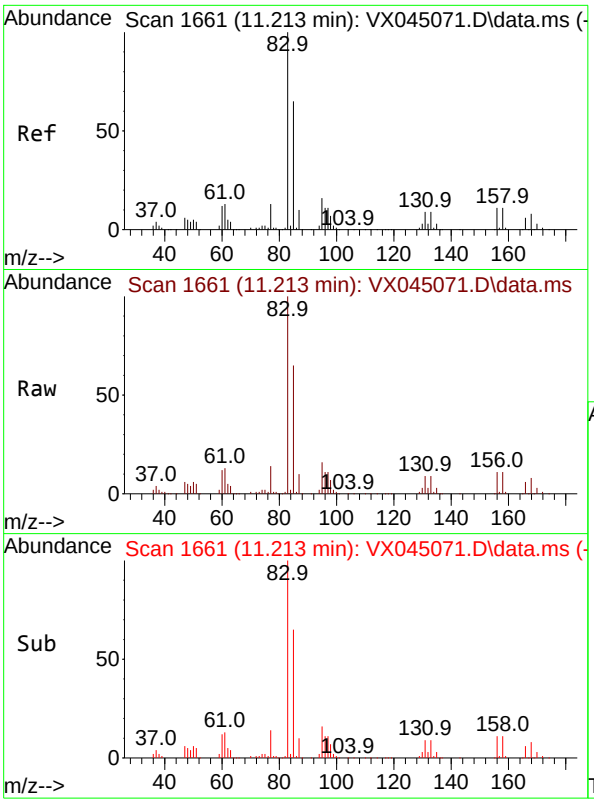


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5



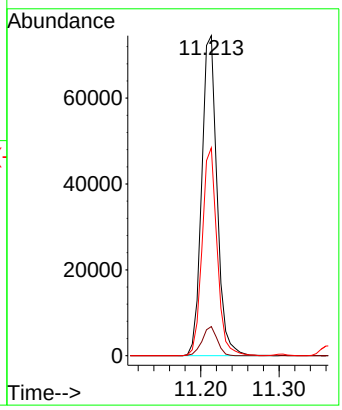


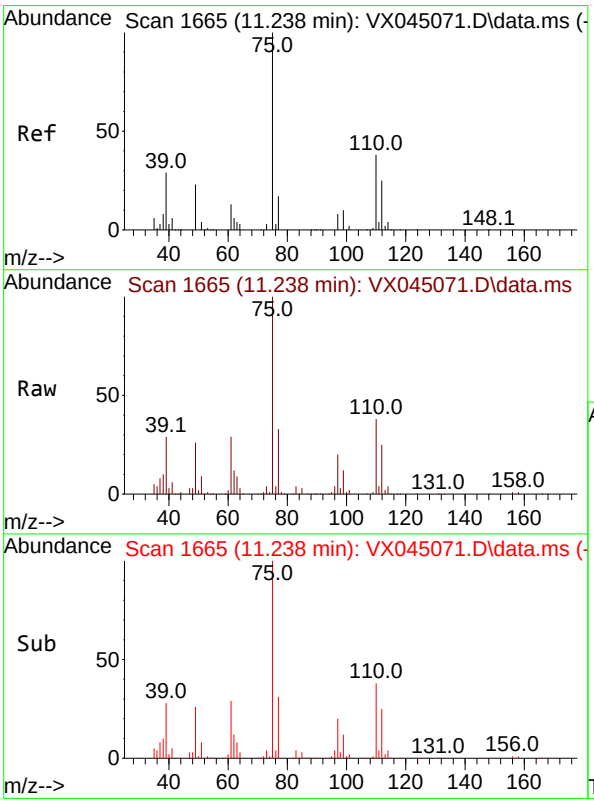
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 101089

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1

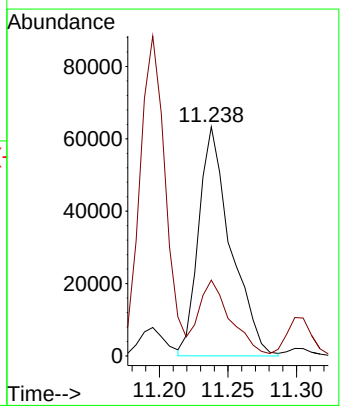


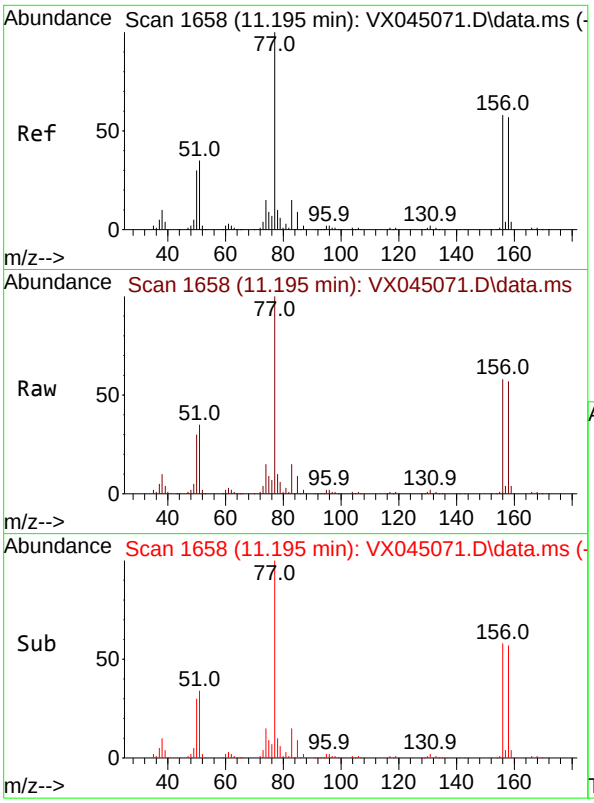


#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 103161

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.7	62.1



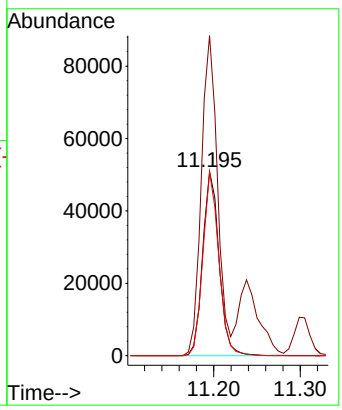


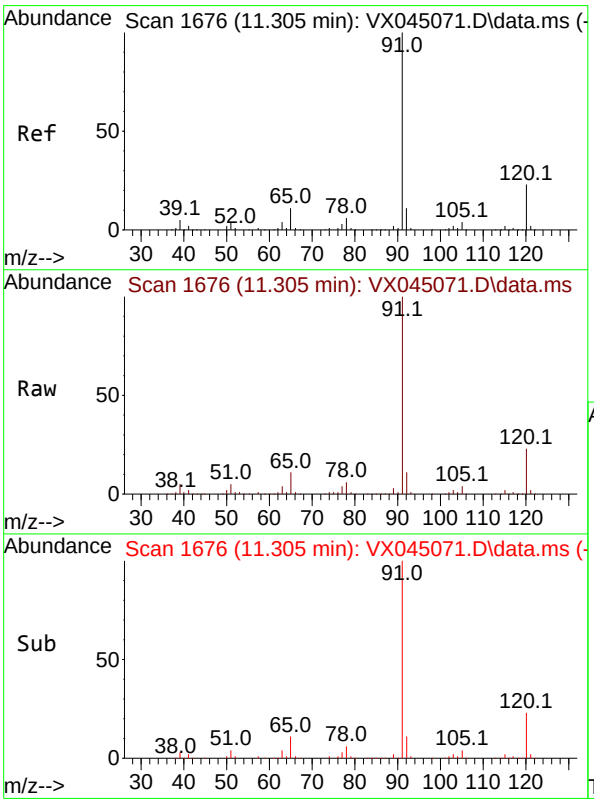
#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 66904

Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2

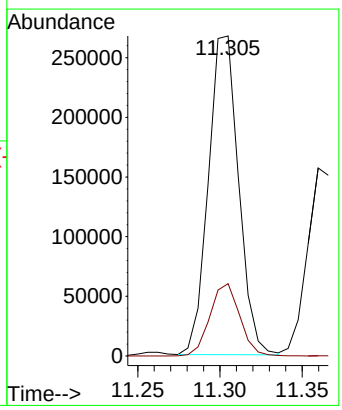


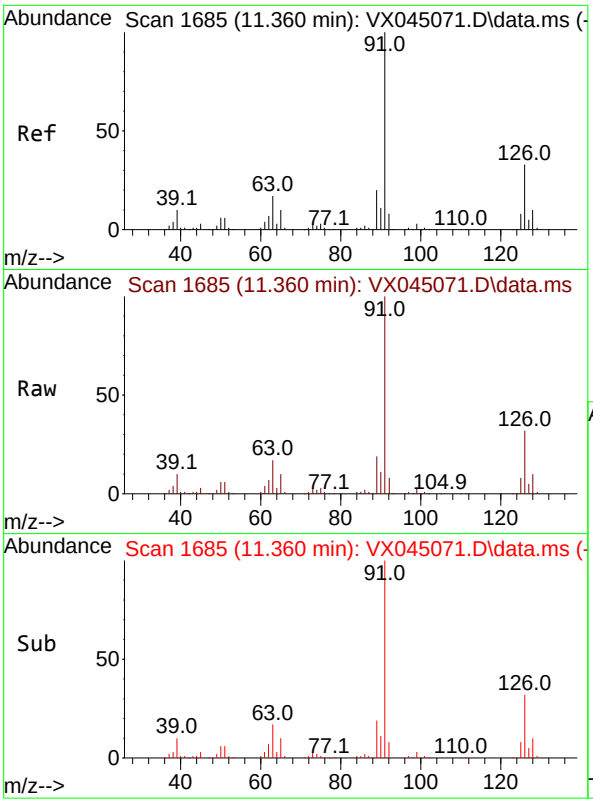


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



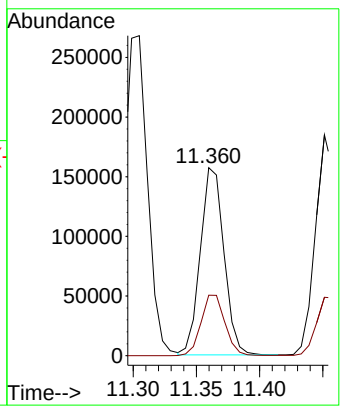


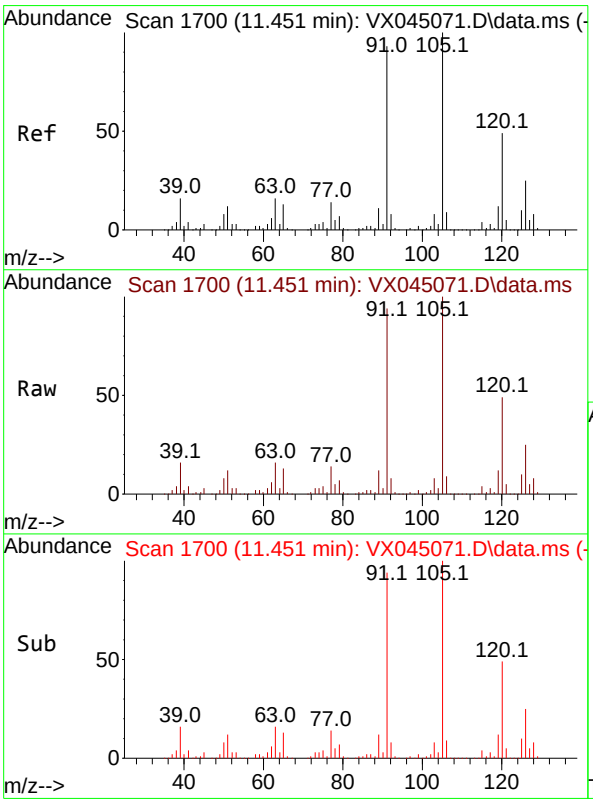
#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

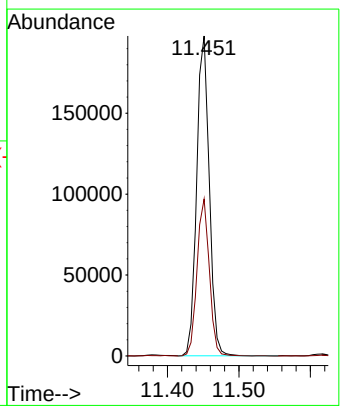


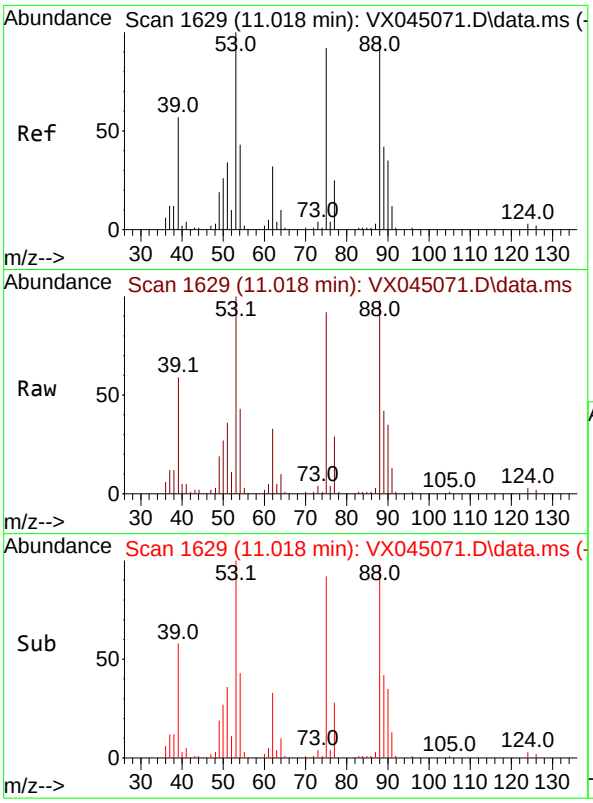


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2



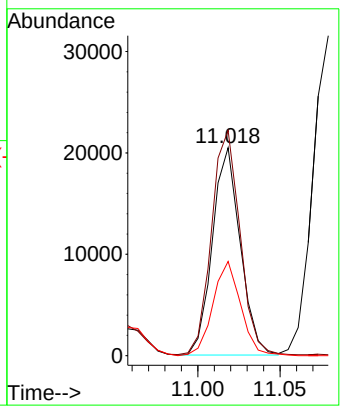


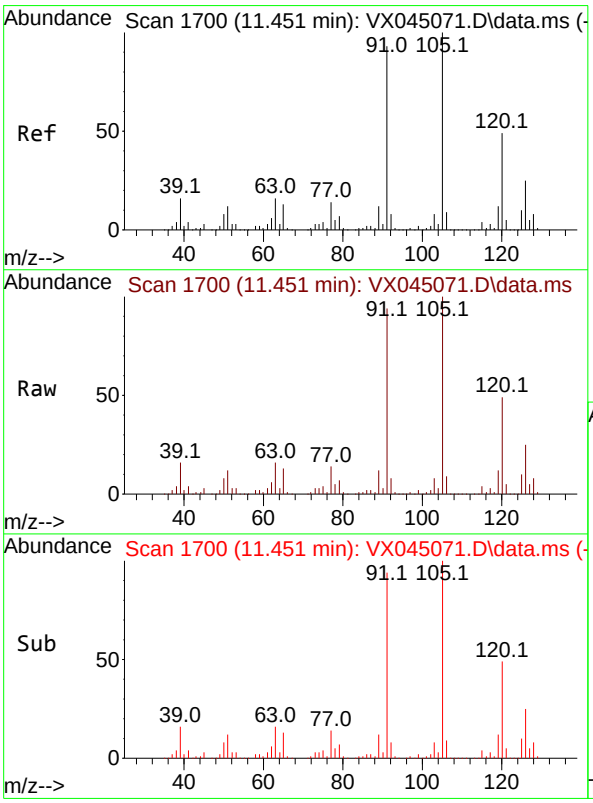
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 24135

Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

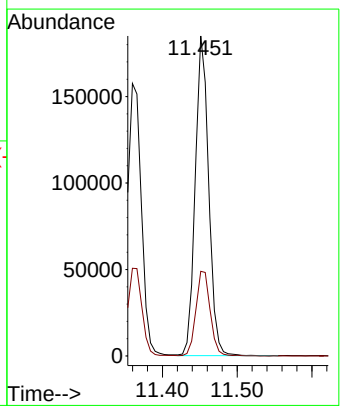


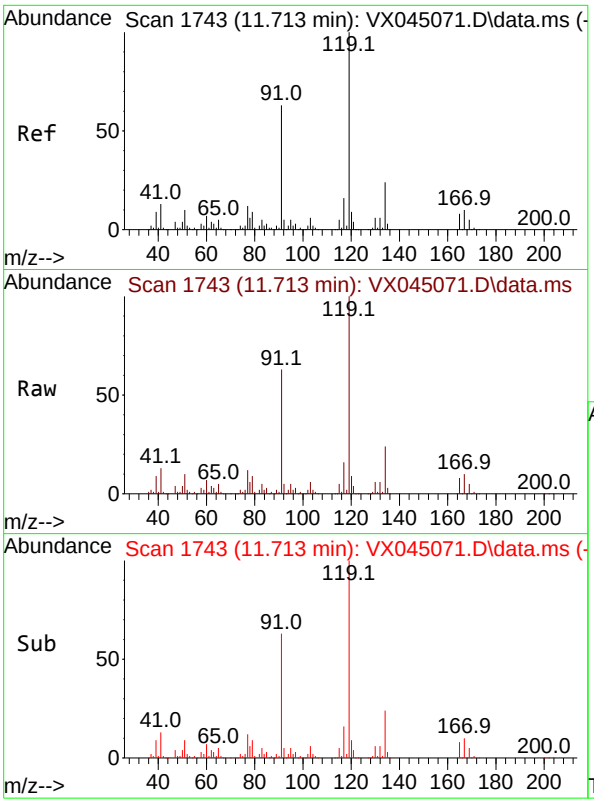


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



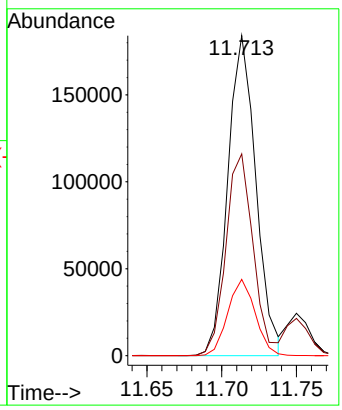


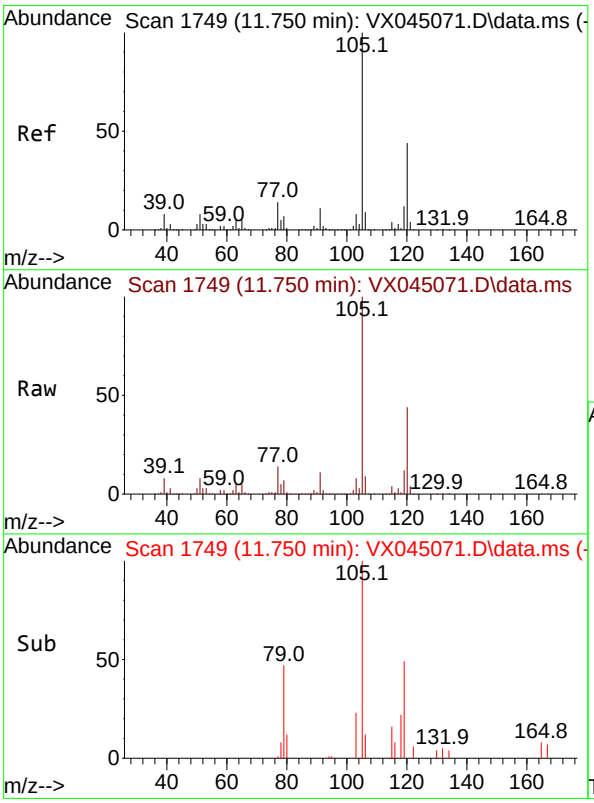
#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 240510

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0

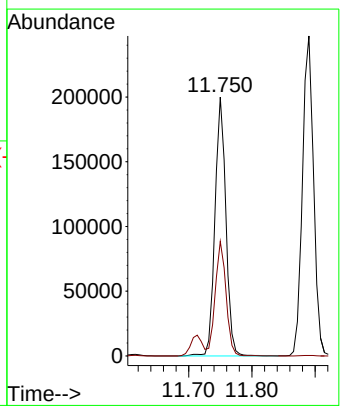


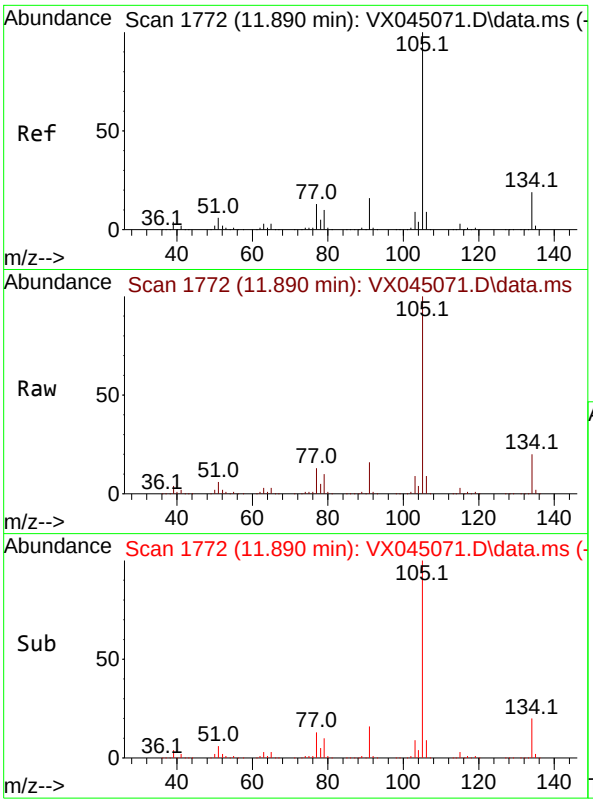


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



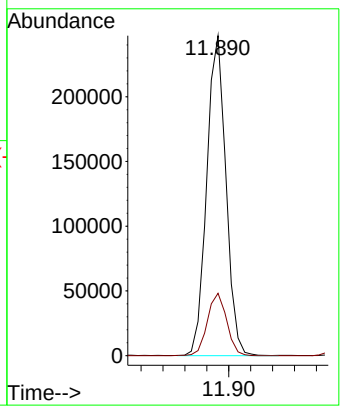


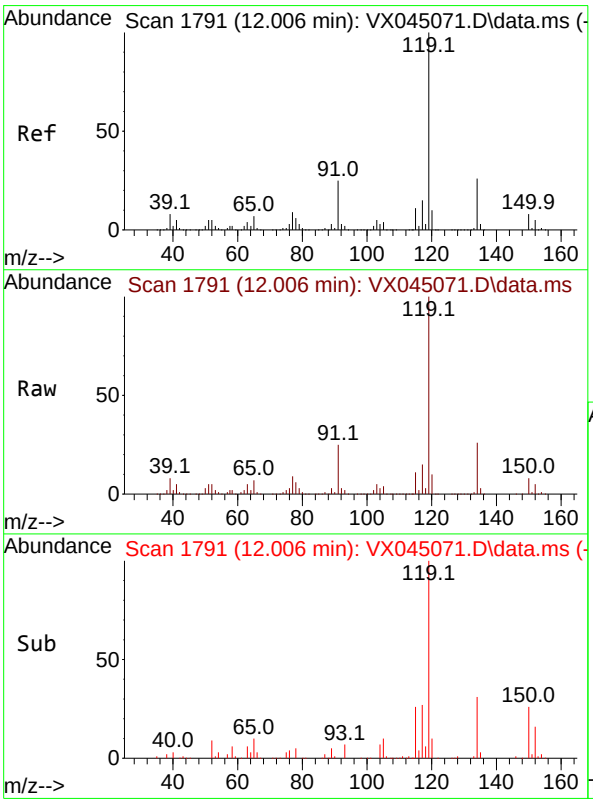
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 300393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

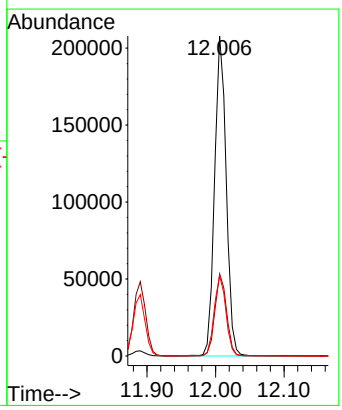


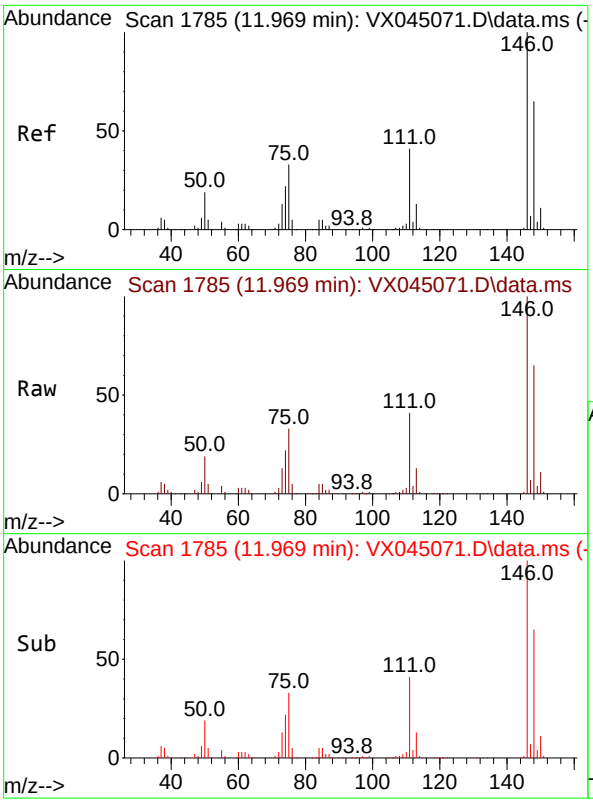


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0



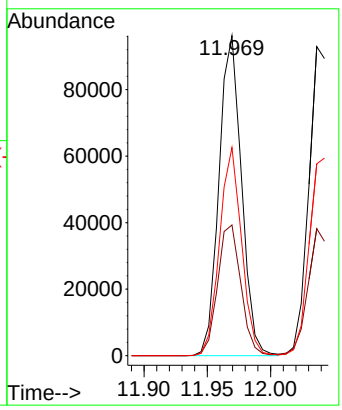


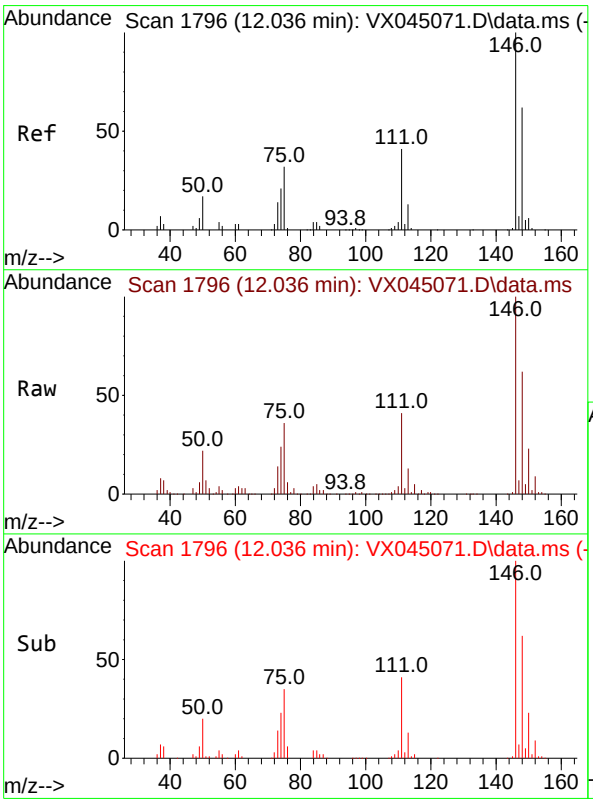
#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118879

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

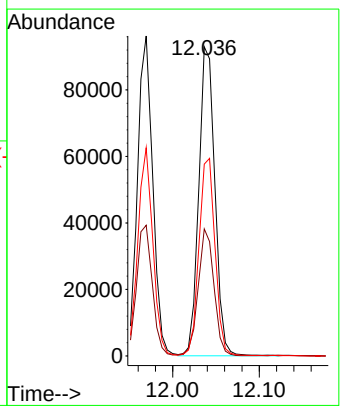


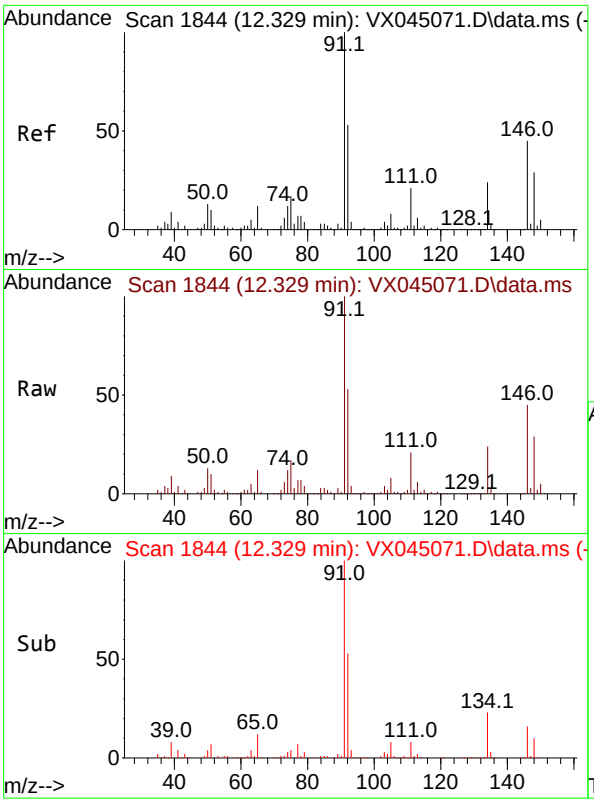


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9



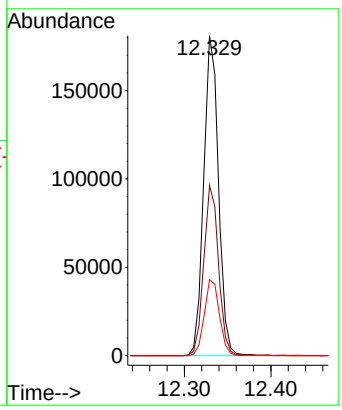


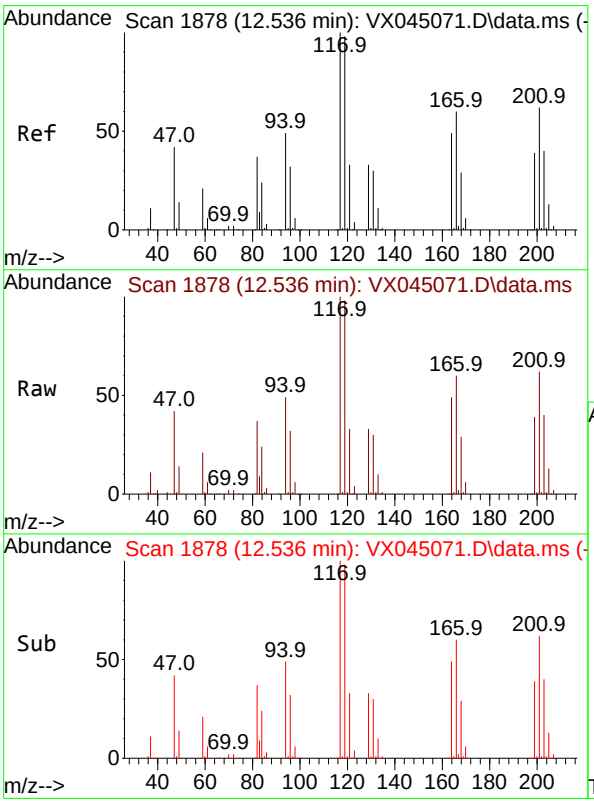
#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 214685

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6

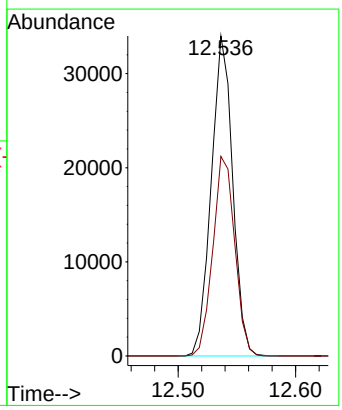


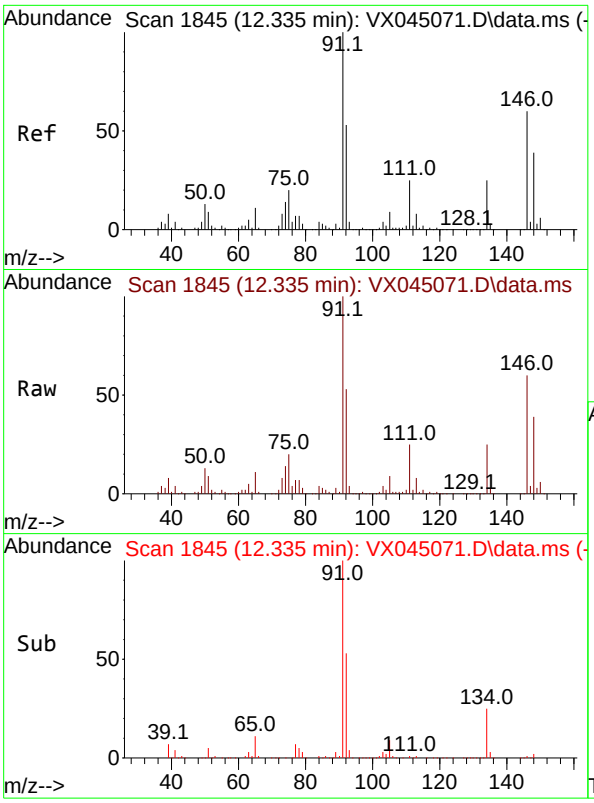


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9



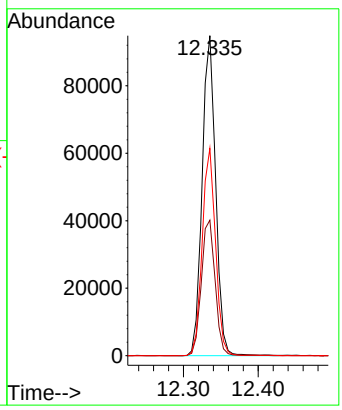


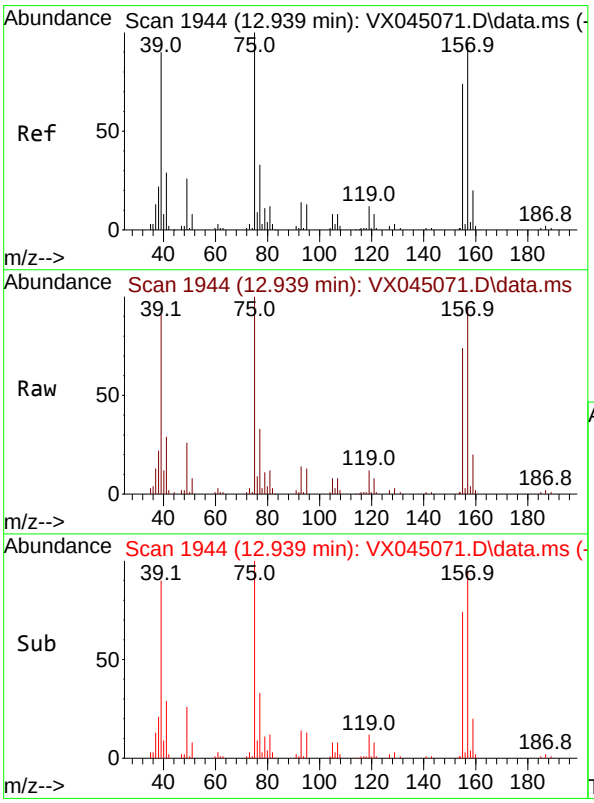
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118896

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9

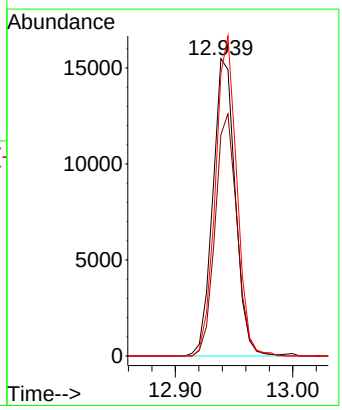


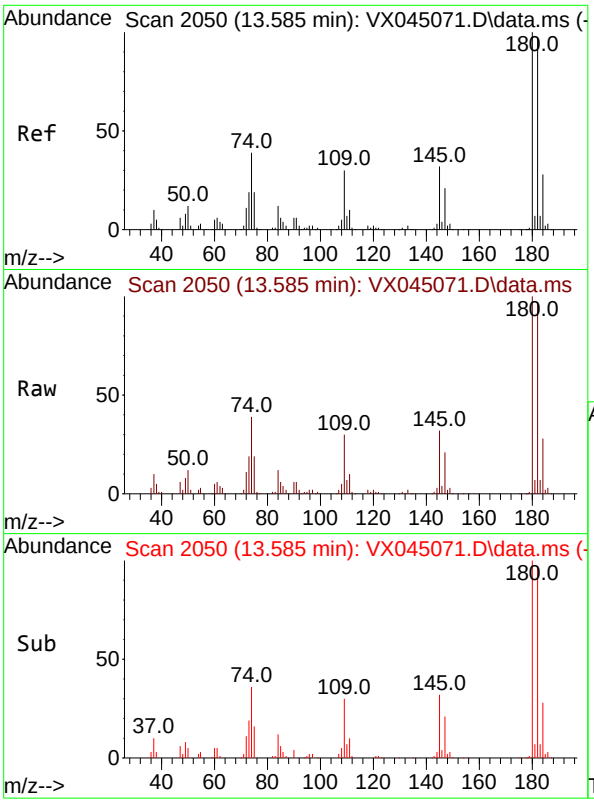


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4



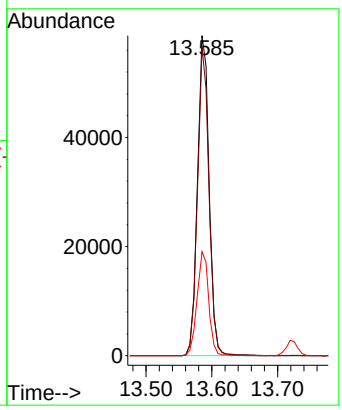


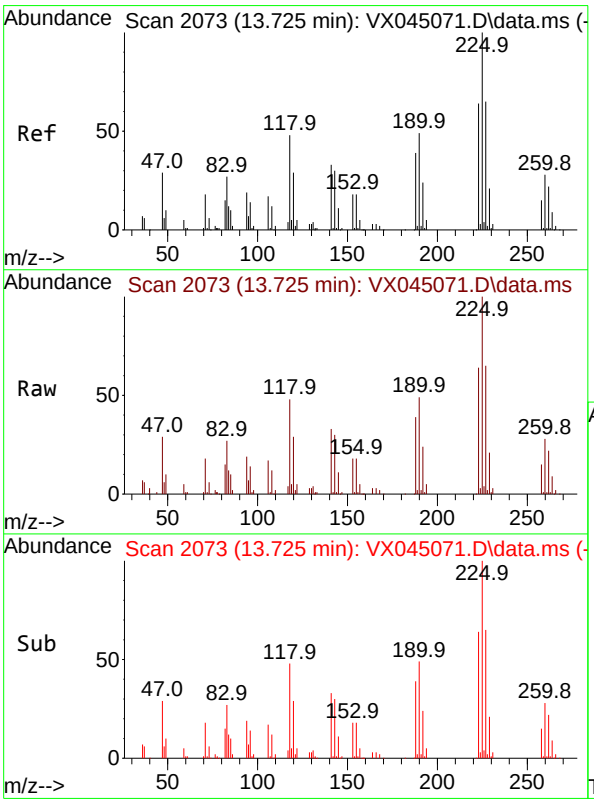
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 71897

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

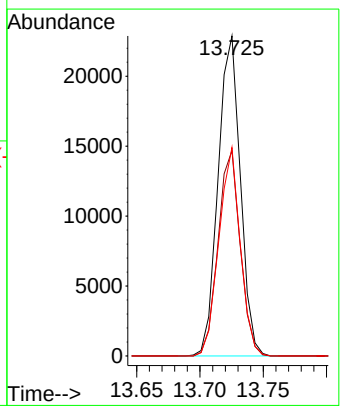


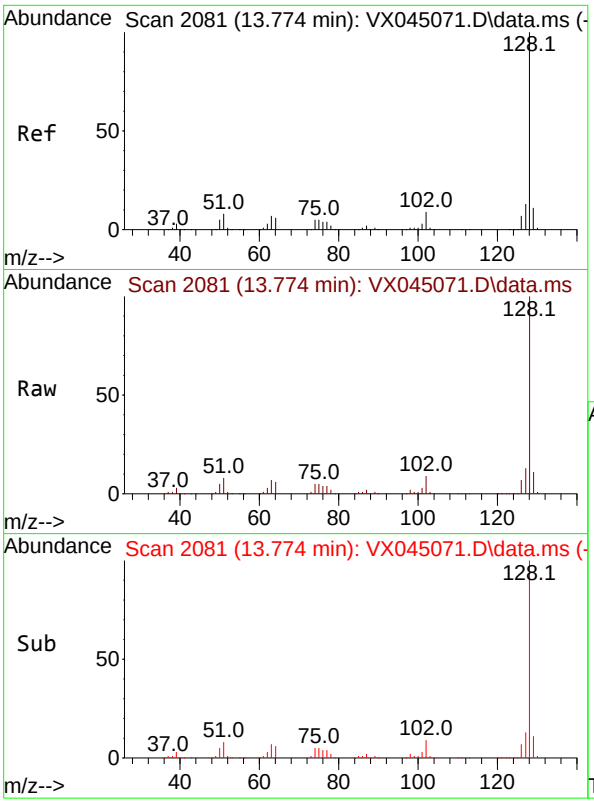


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0



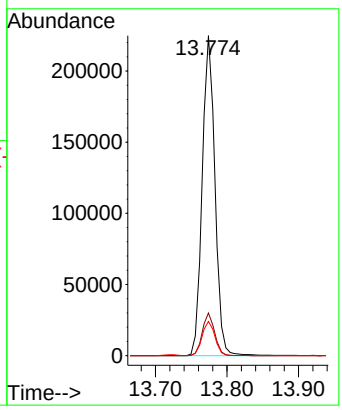


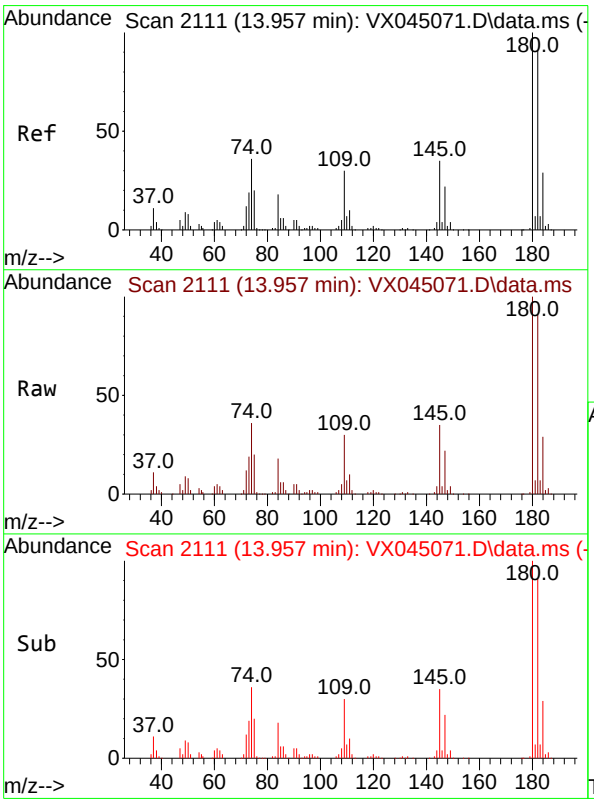
#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 278086

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

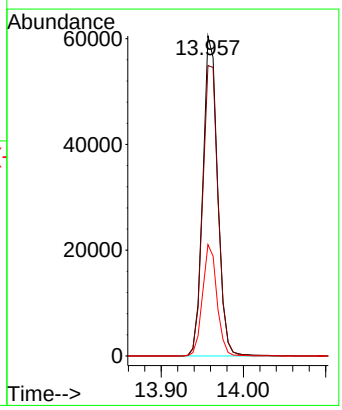




#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l	99
44) Trichloroethene	7.122	130	128124	105.402 ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l	100
46) Dibromomethane	7.580	93	97248	105.329 ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l	99
52) Toluene	8.714	92	316349	100.178 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l	99
69) o-Xylene	10.640	106	213835	100.849 ug/l	99
70) Styrene	10.652	104	357649	104.948 ug/l	99
71) Bromoform	10.799	173	90800	116.751 ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	203020	131.738 ug/l	86
77) Bromobenzene	11.195	156	125700	99.175 ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l	99
95) Naphthalene	13.774	128	565250	112.593 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

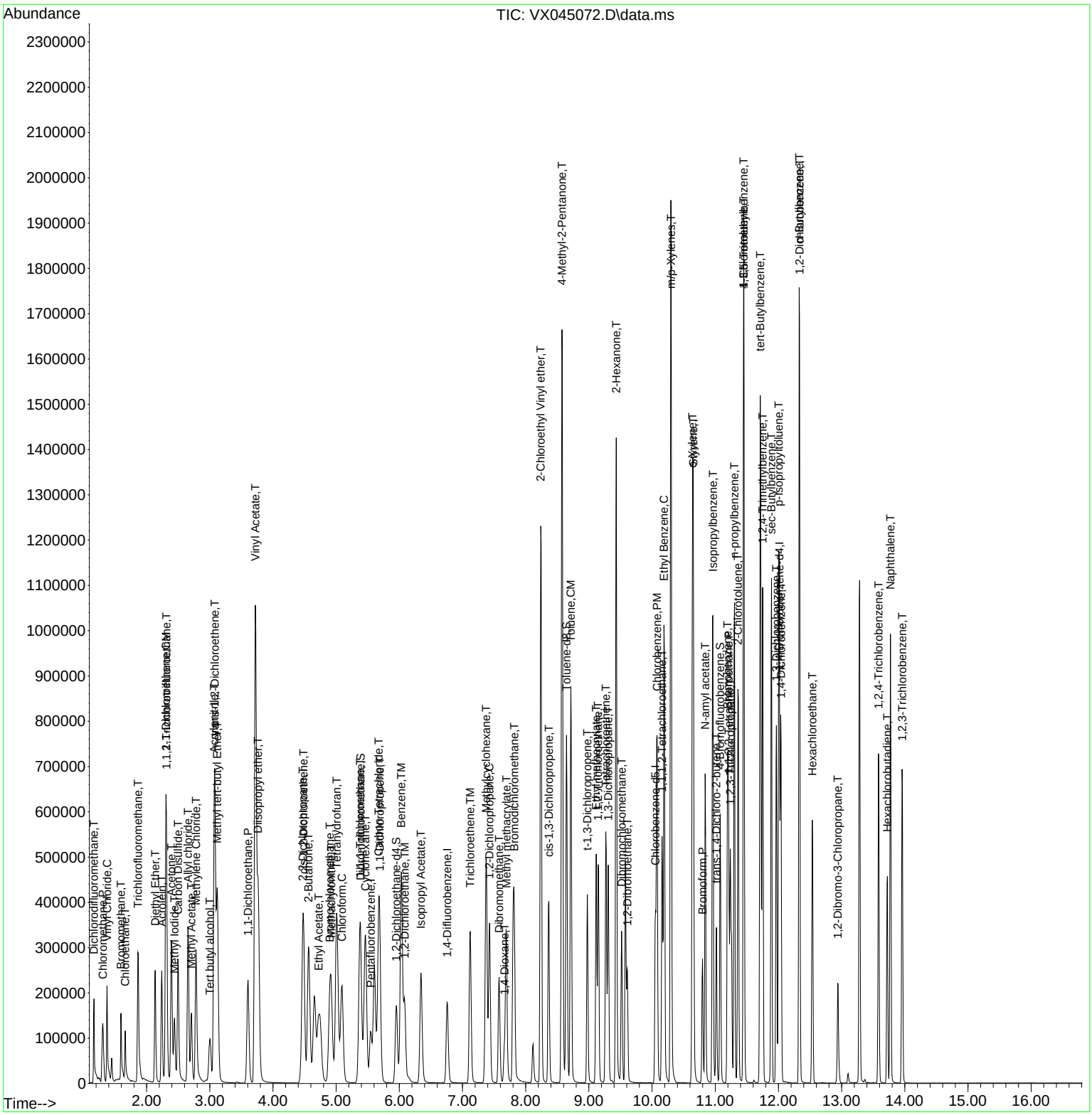
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

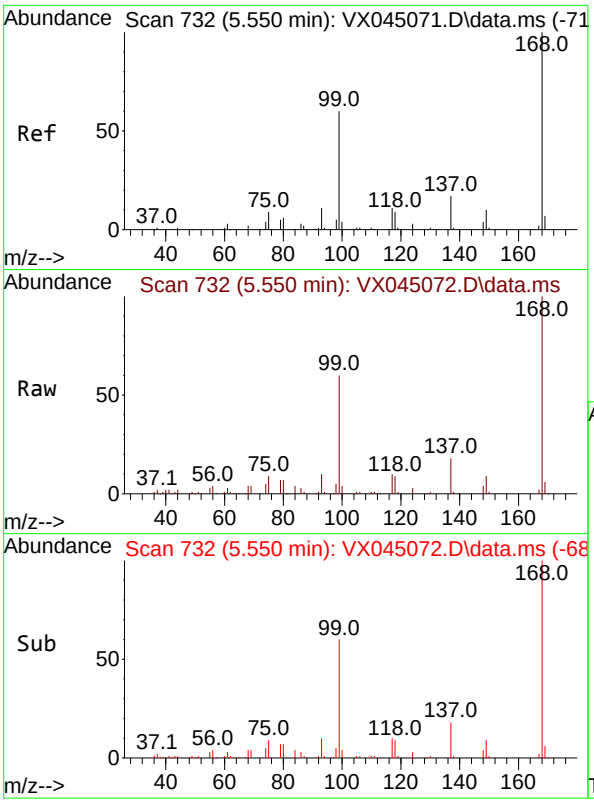
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



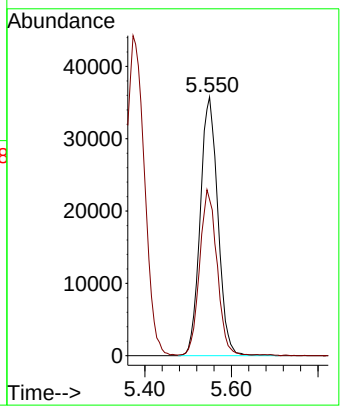


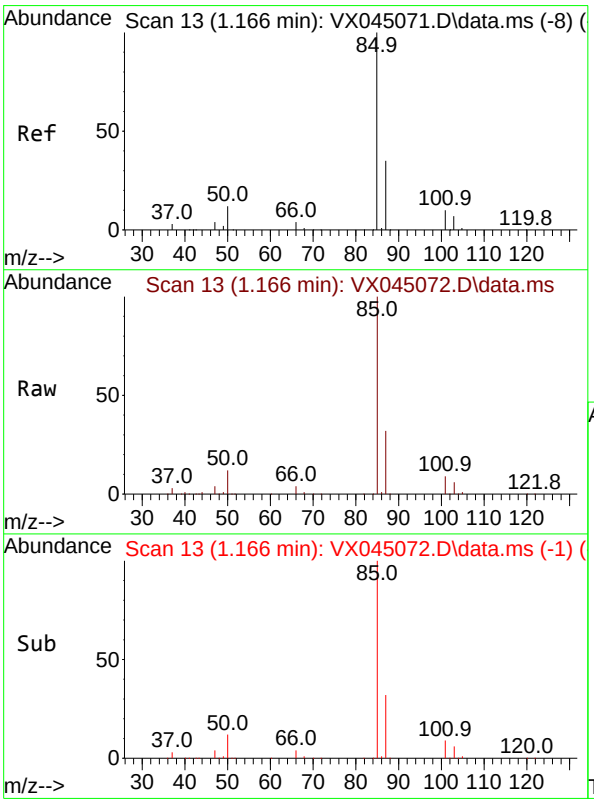
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4

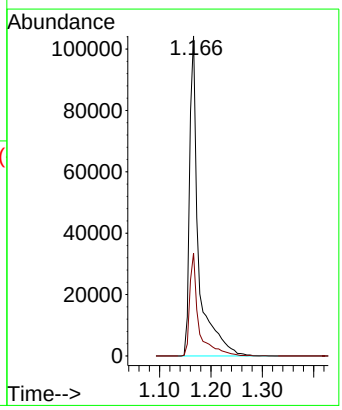


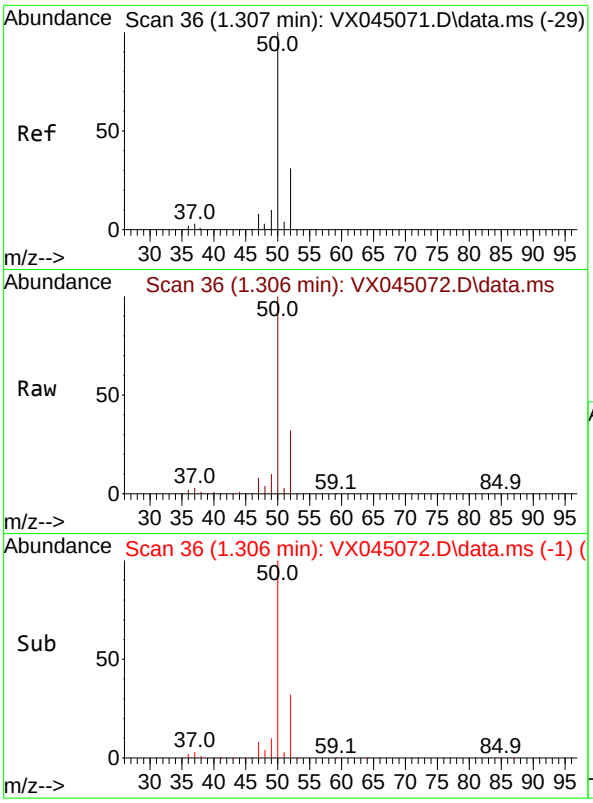


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



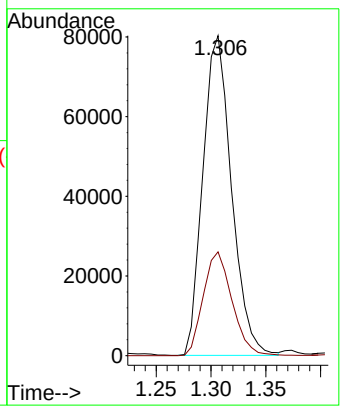


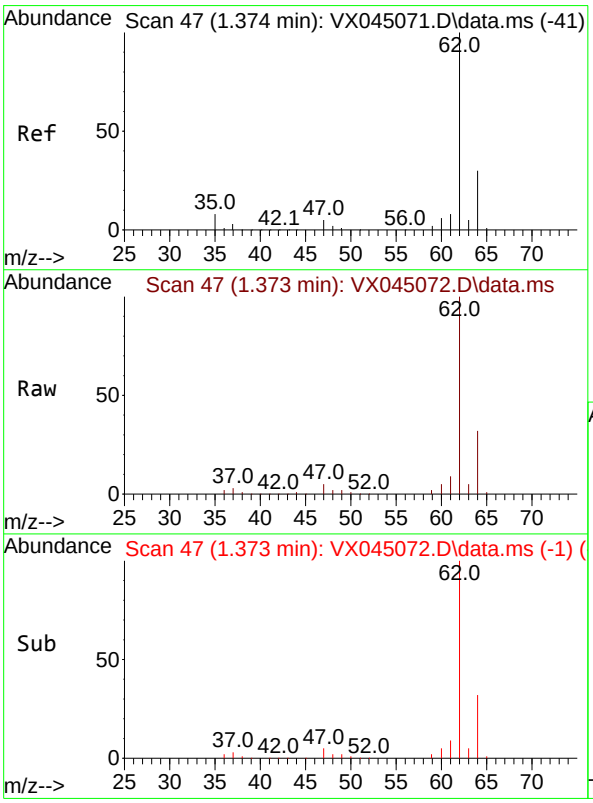
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

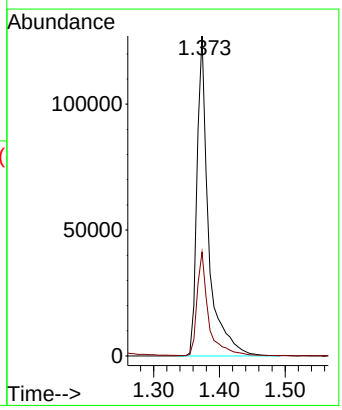


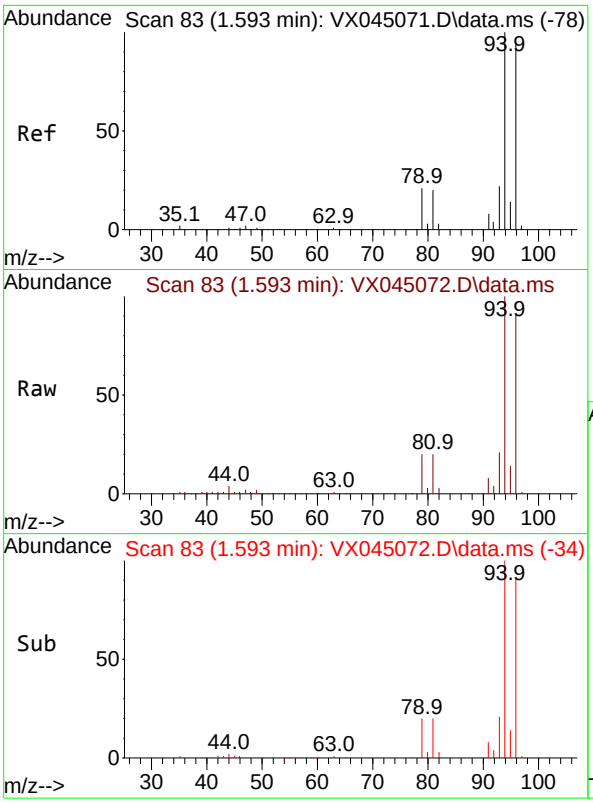


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5



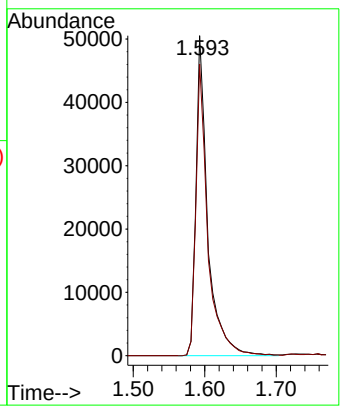


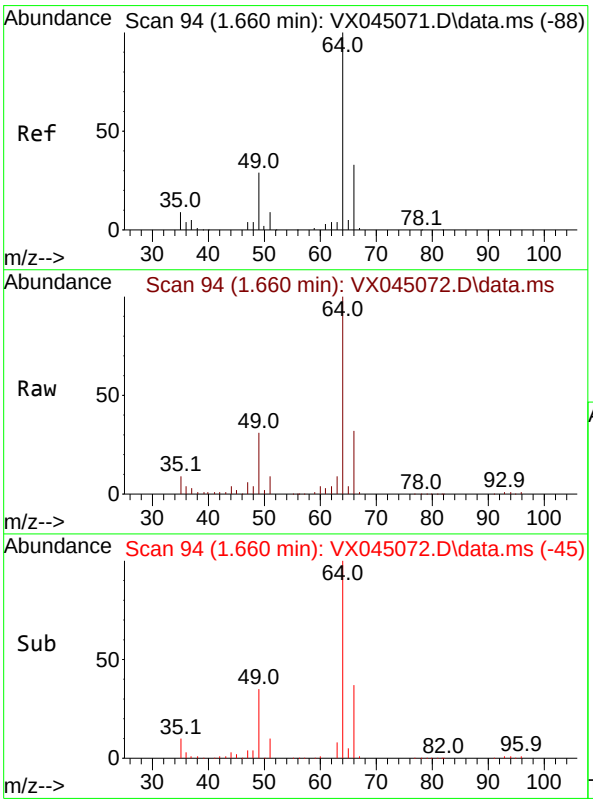
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57503

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

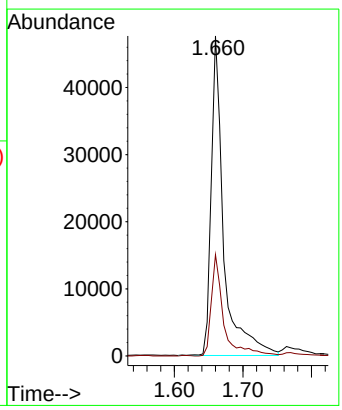


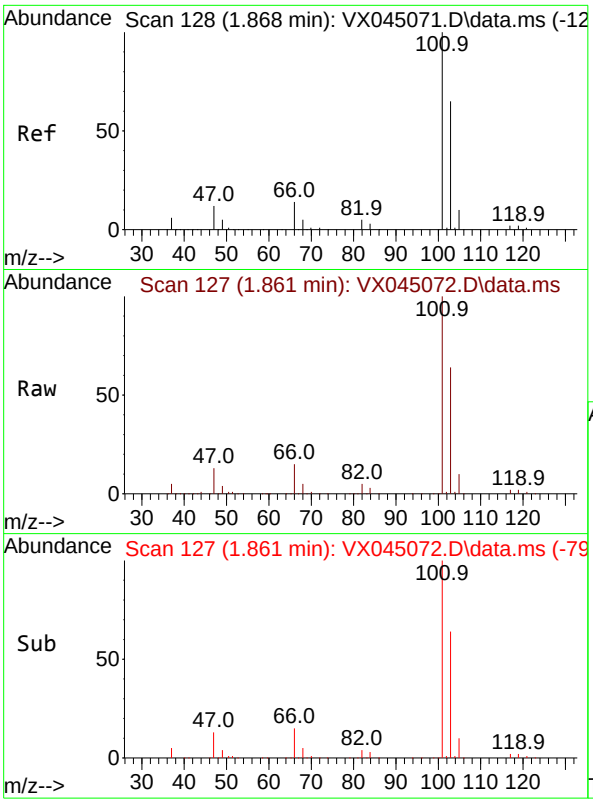


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1



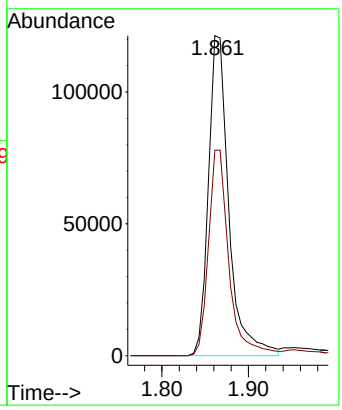


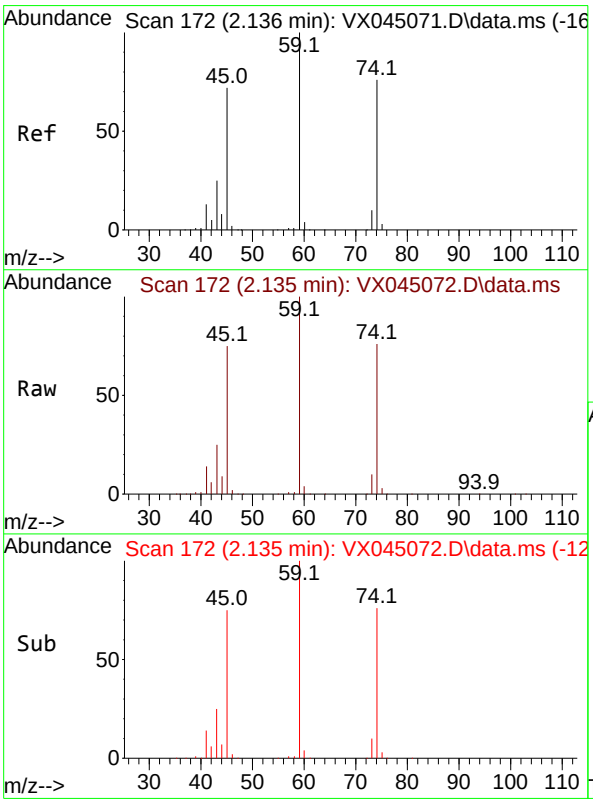
#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198701

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

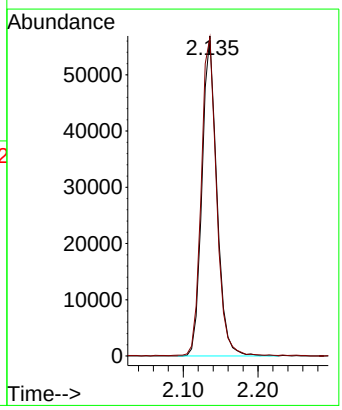


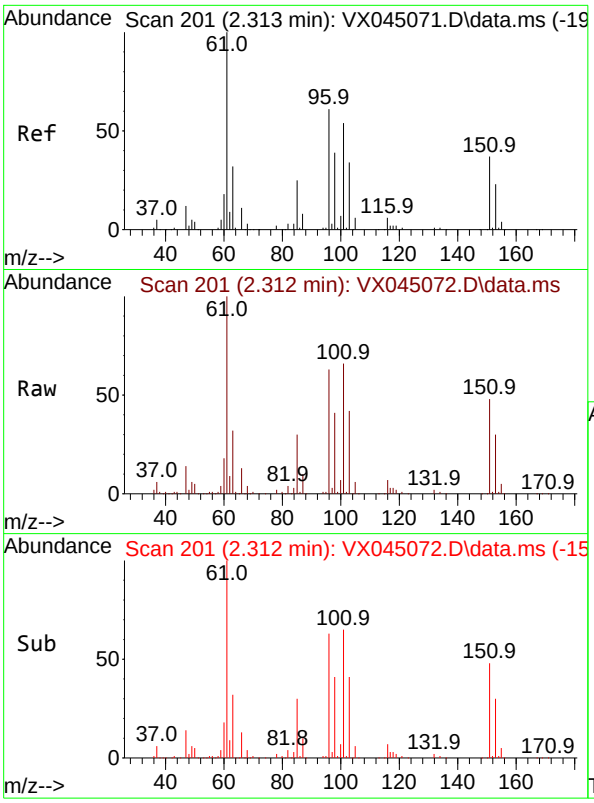


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5



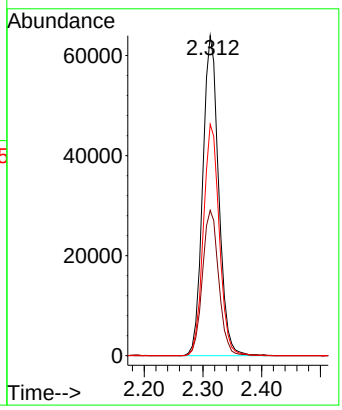


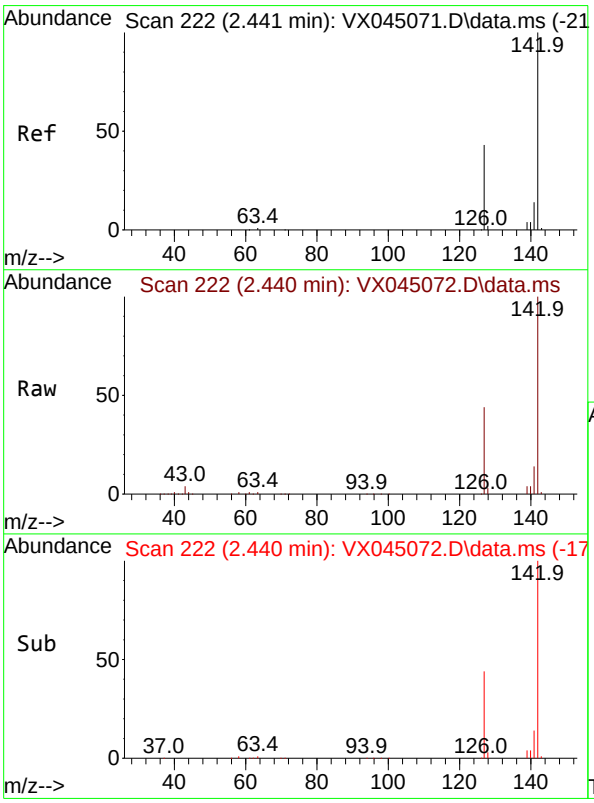
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 120518

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

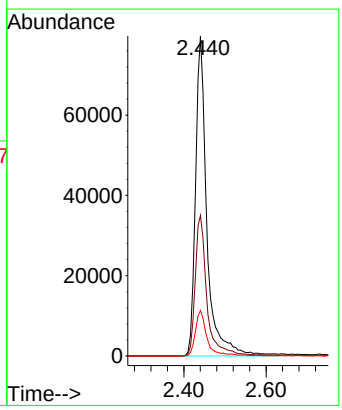


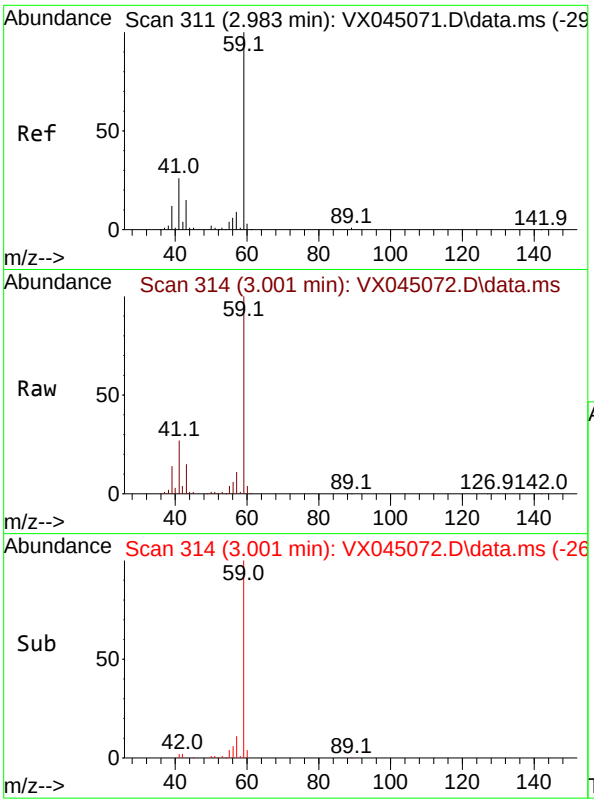


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4



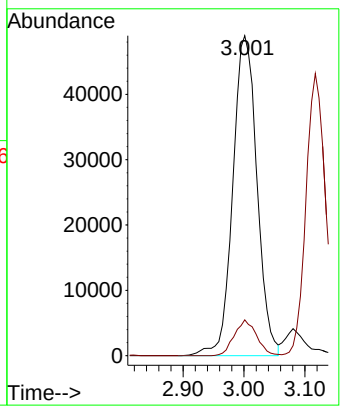


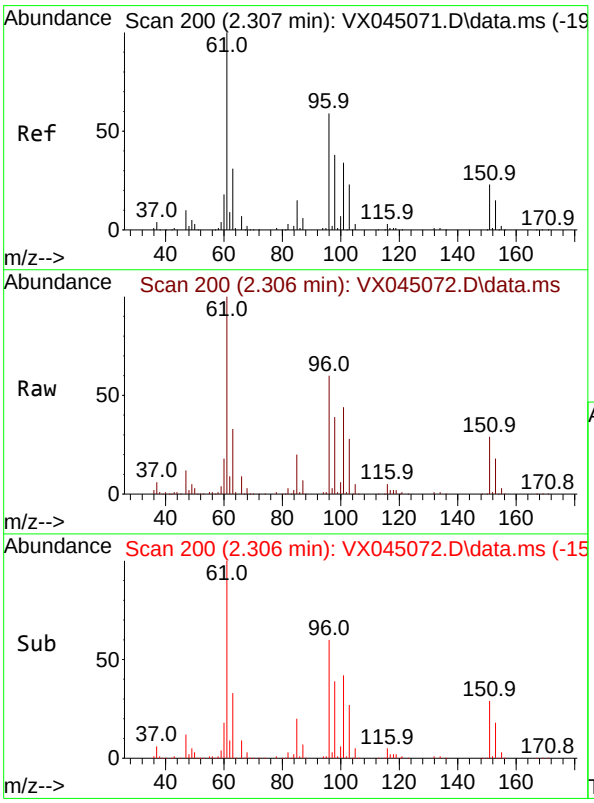
#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 135016

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

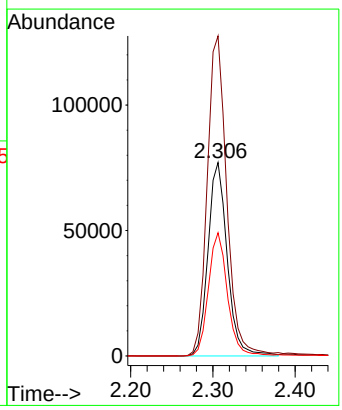


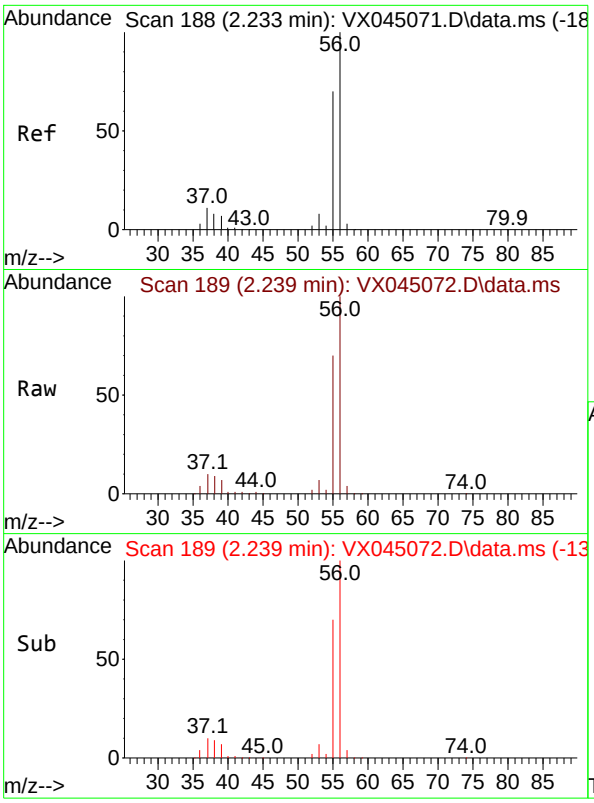


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6



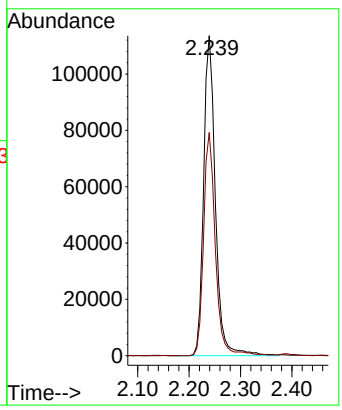


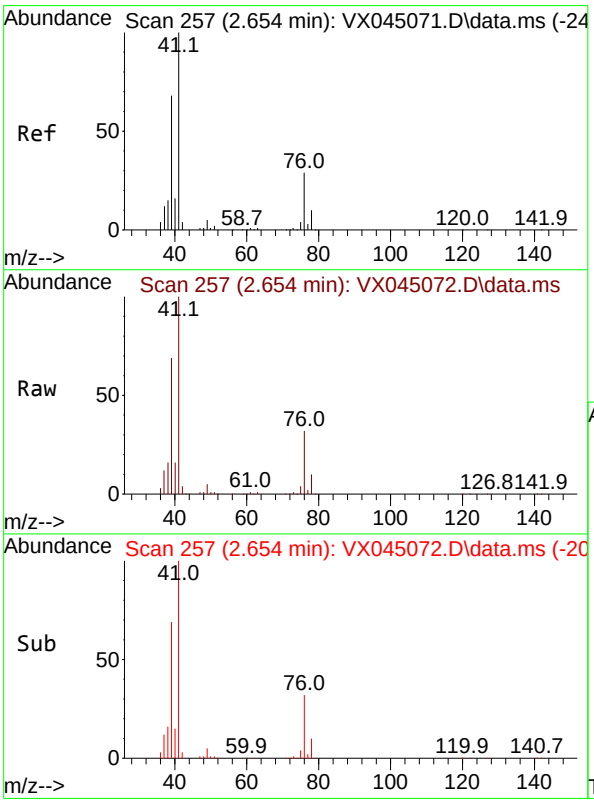
#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180411

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

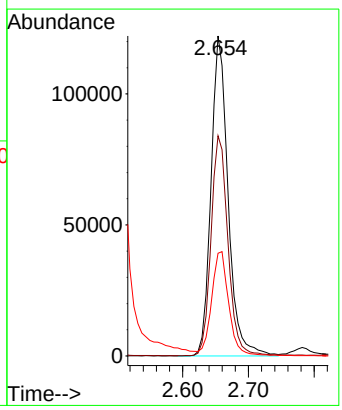


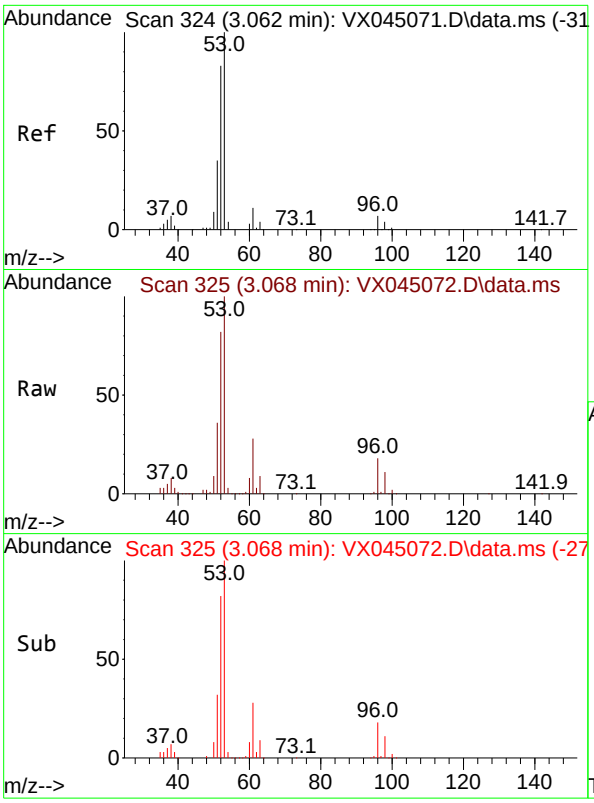


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8



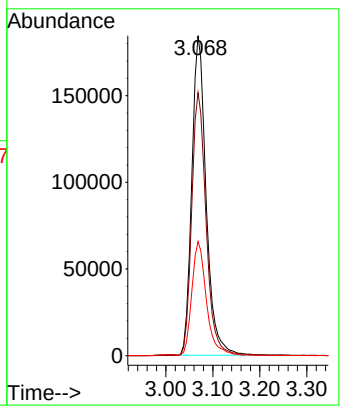


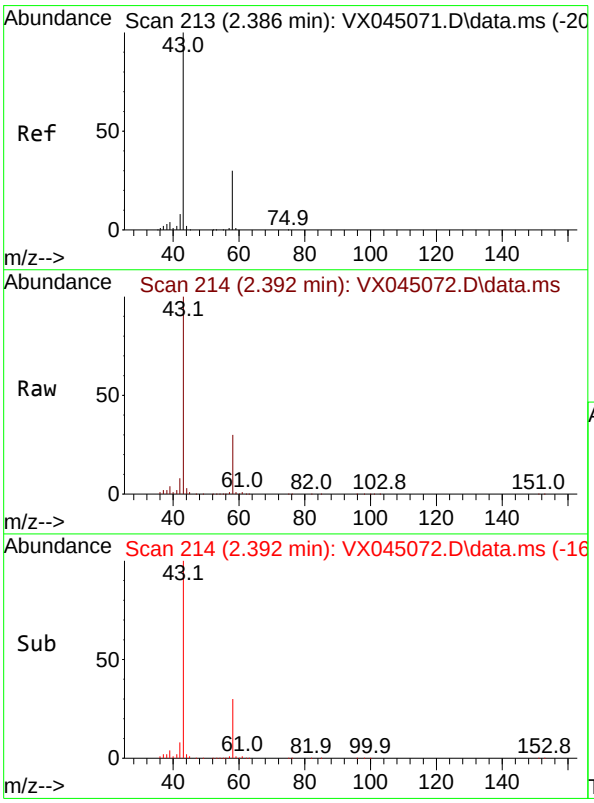
#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 391946

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4

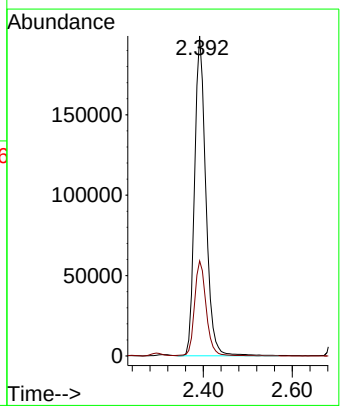


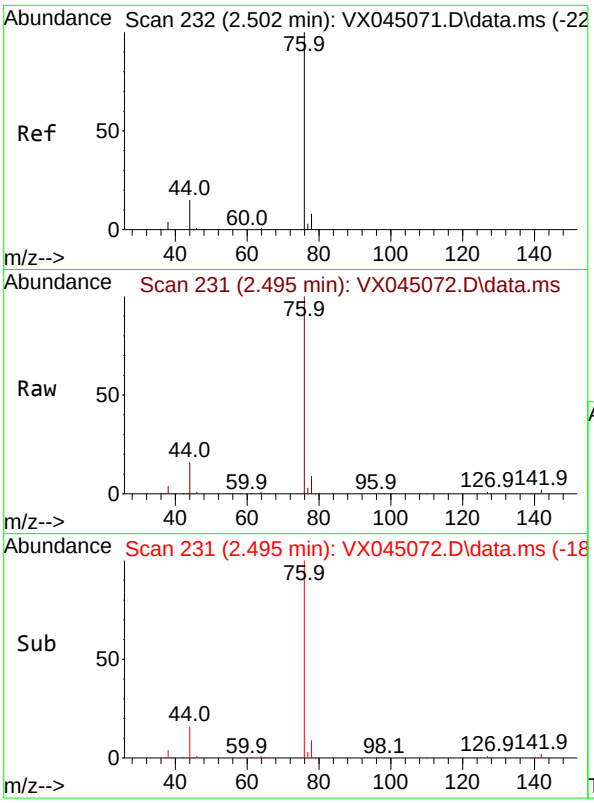


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



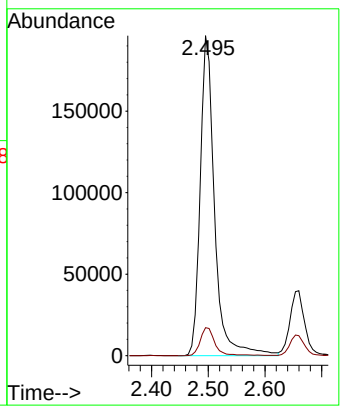


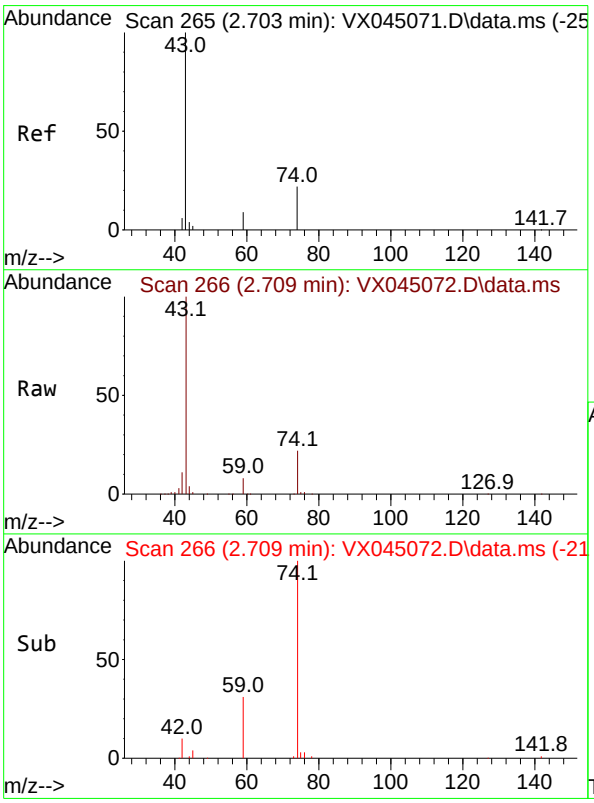
#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

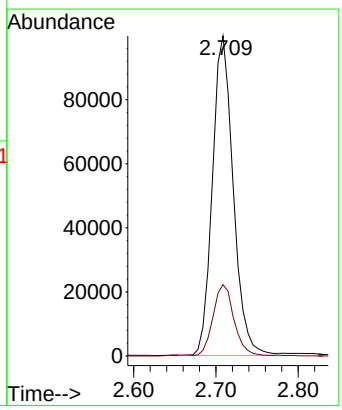


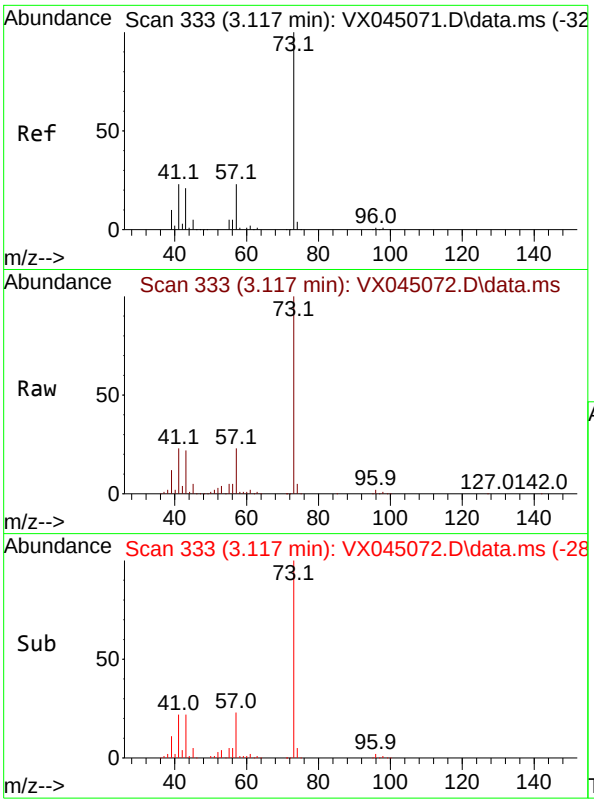


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



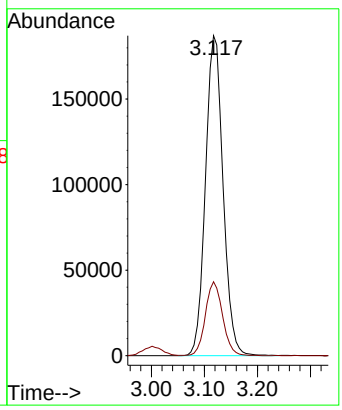


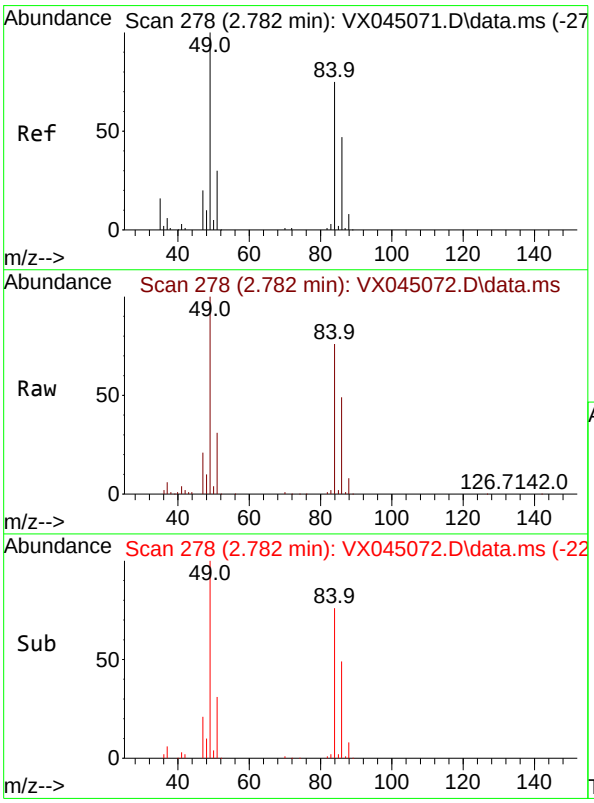
#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 431413

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

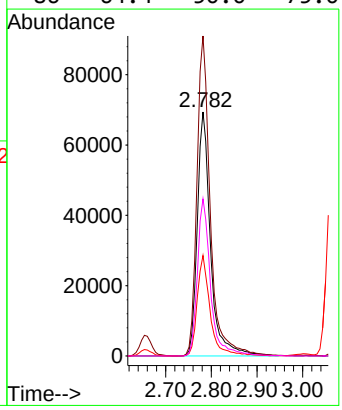


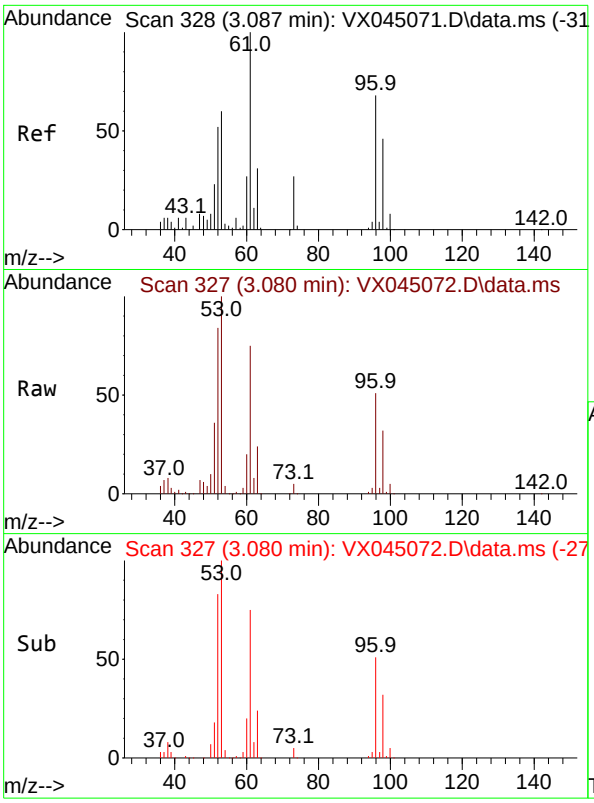


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0



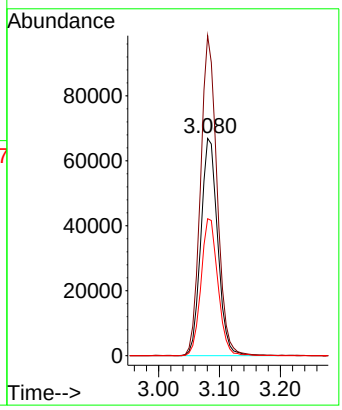


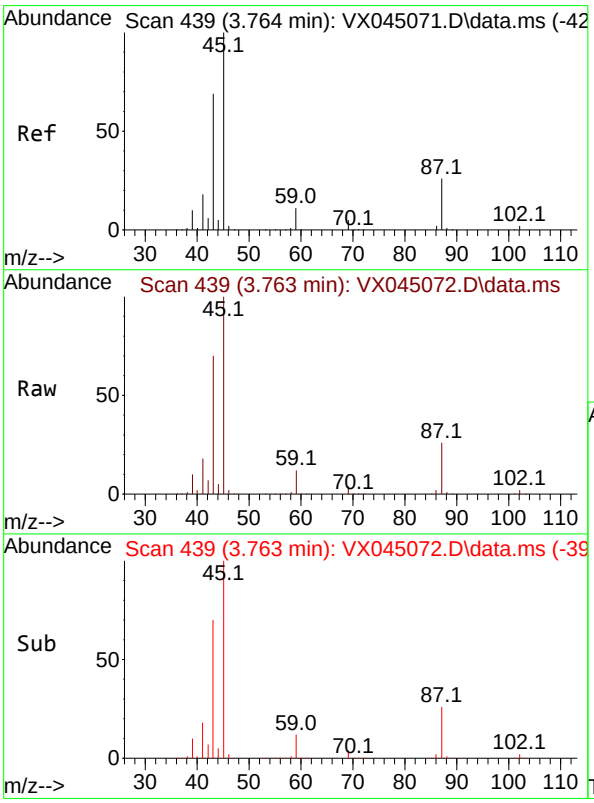
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 128232

Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

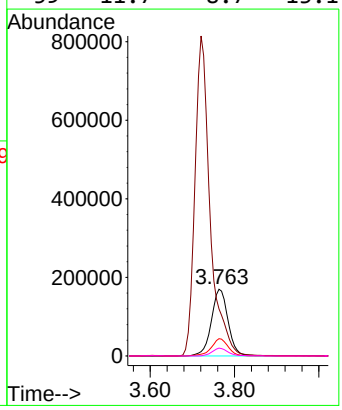


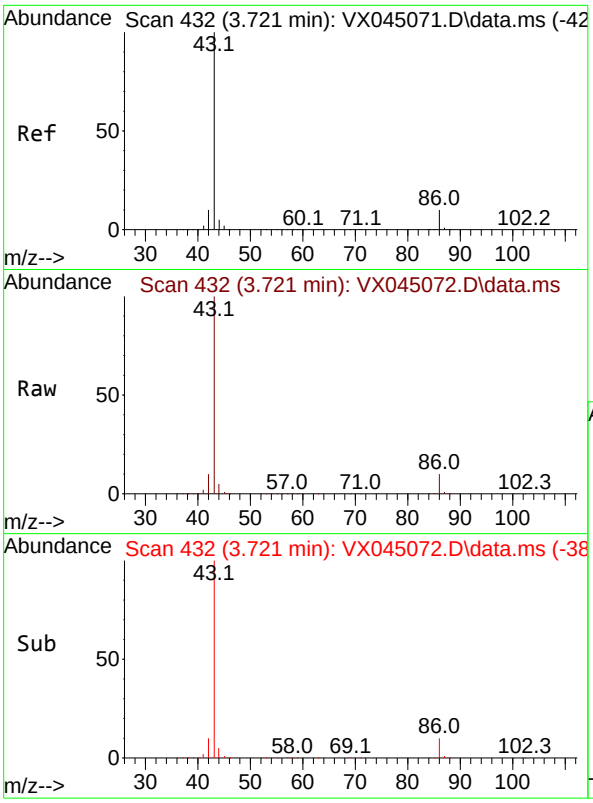


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1



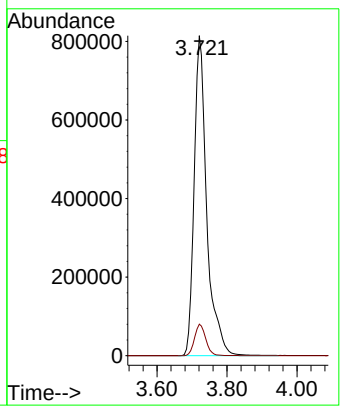


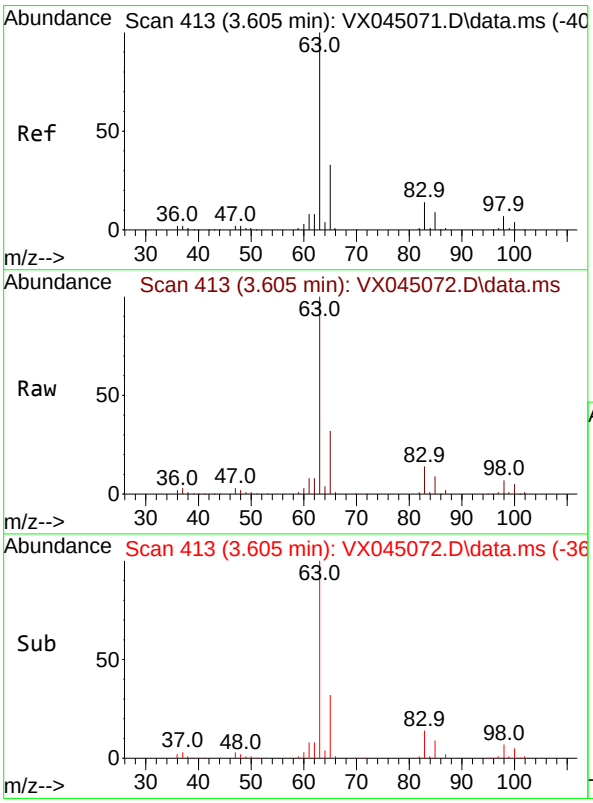
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

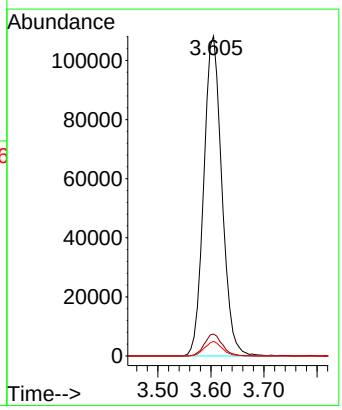


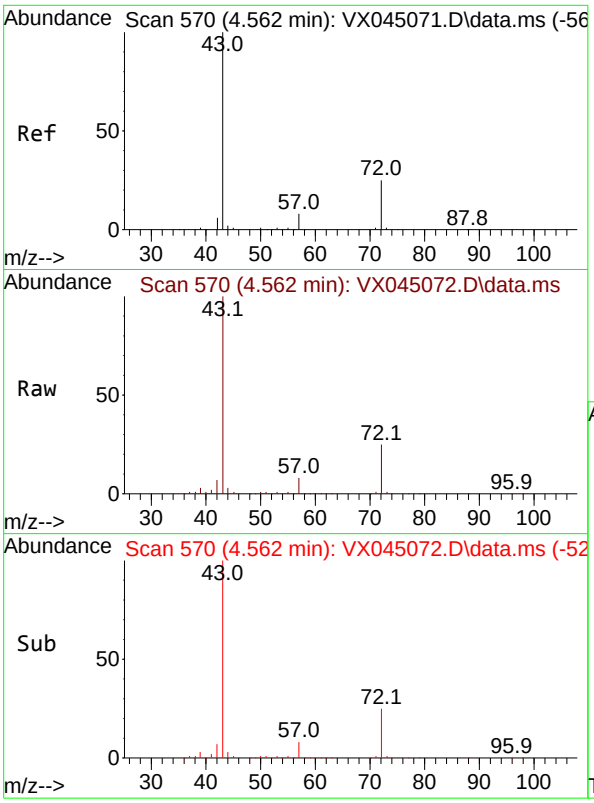


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5



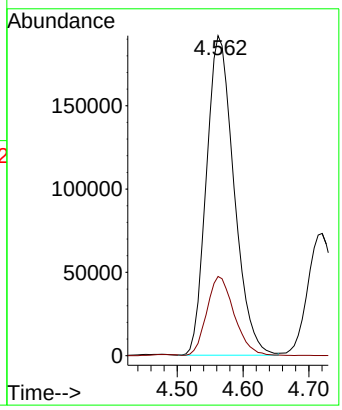


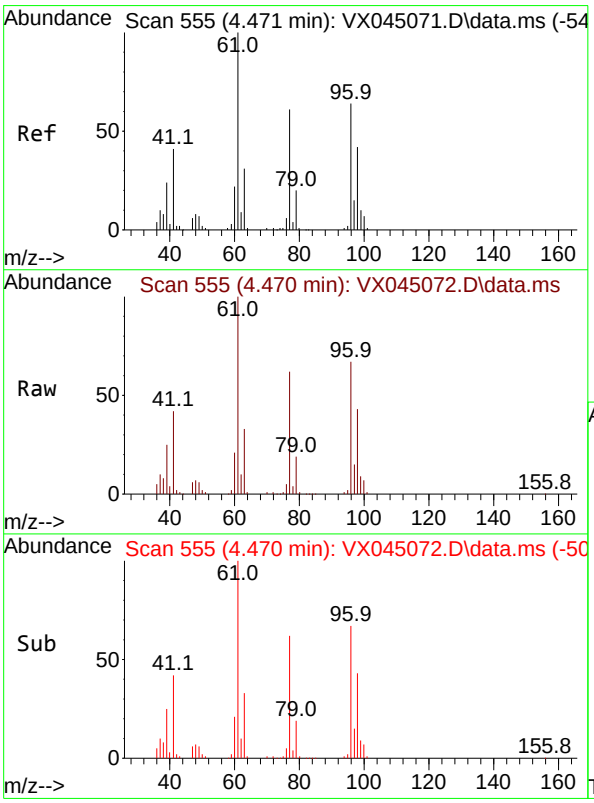
#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 559182

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0

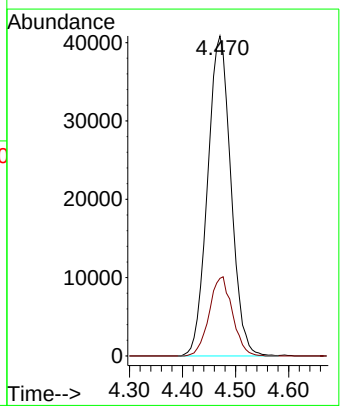


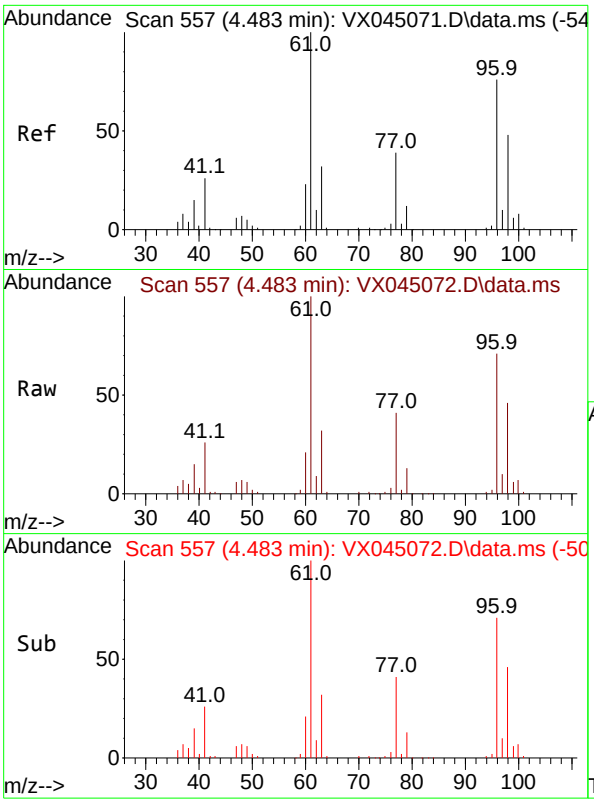


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0



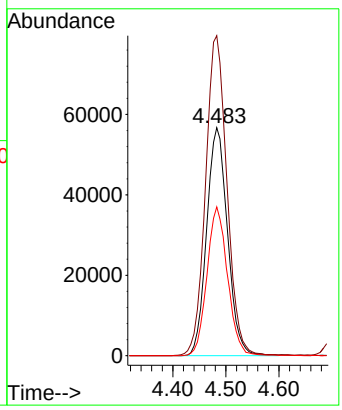


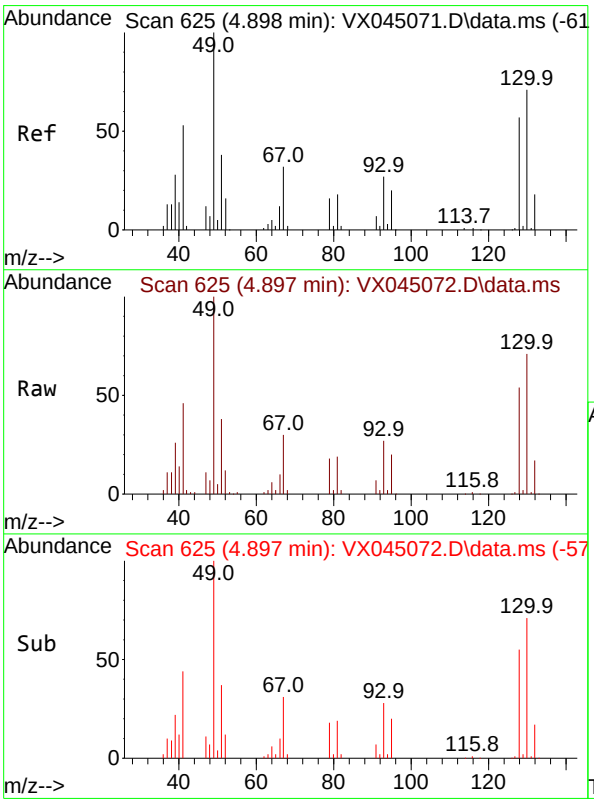
#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 155193

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

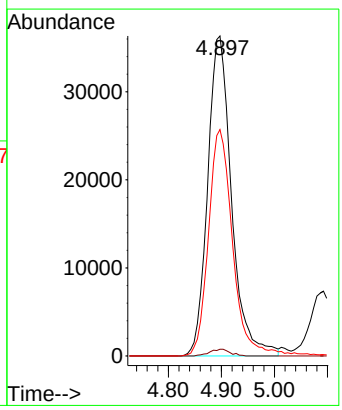


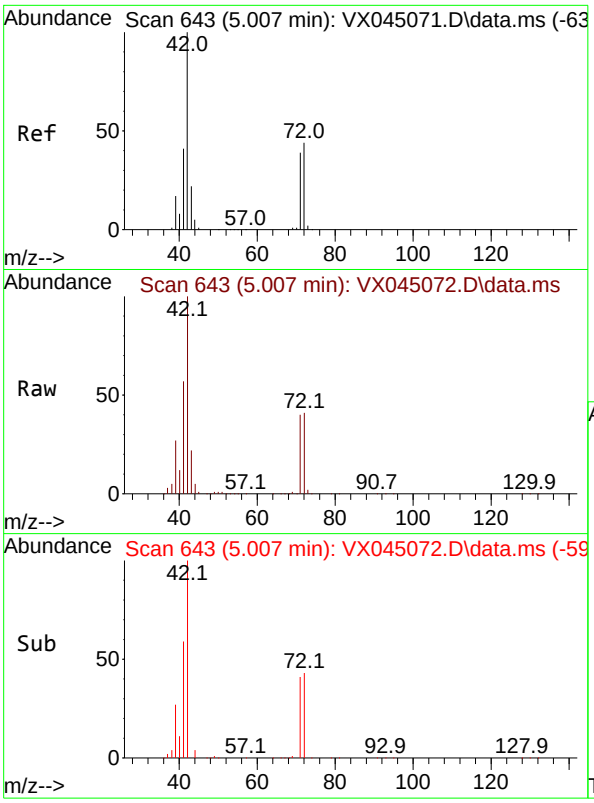


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1



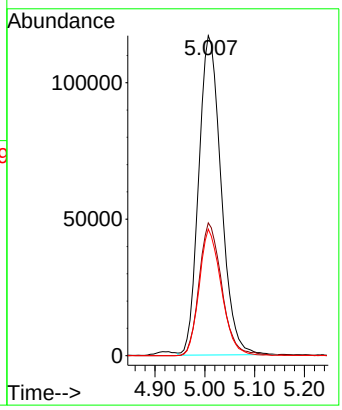


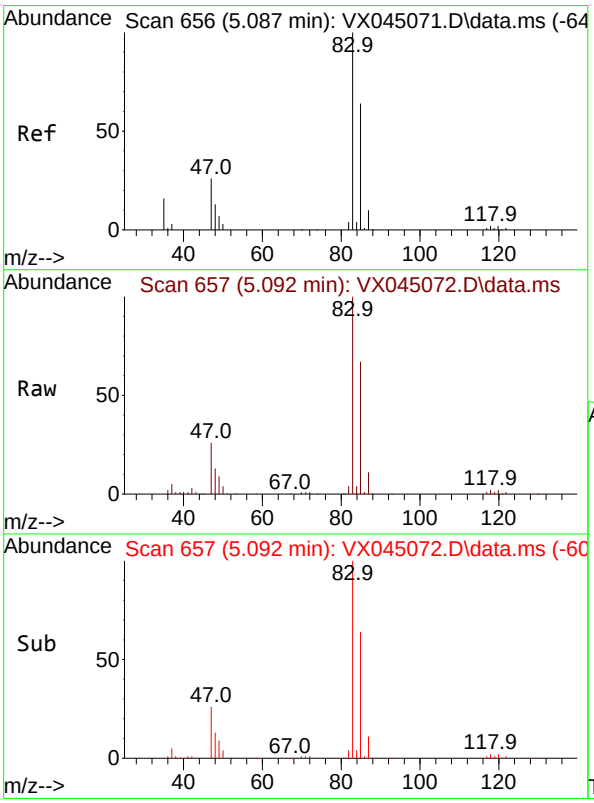
#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 365565

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

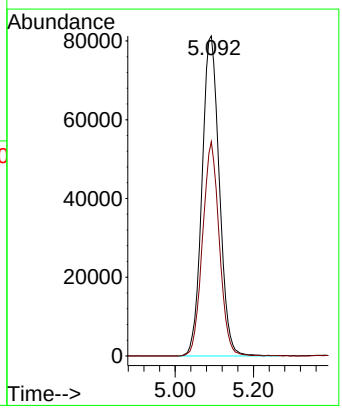


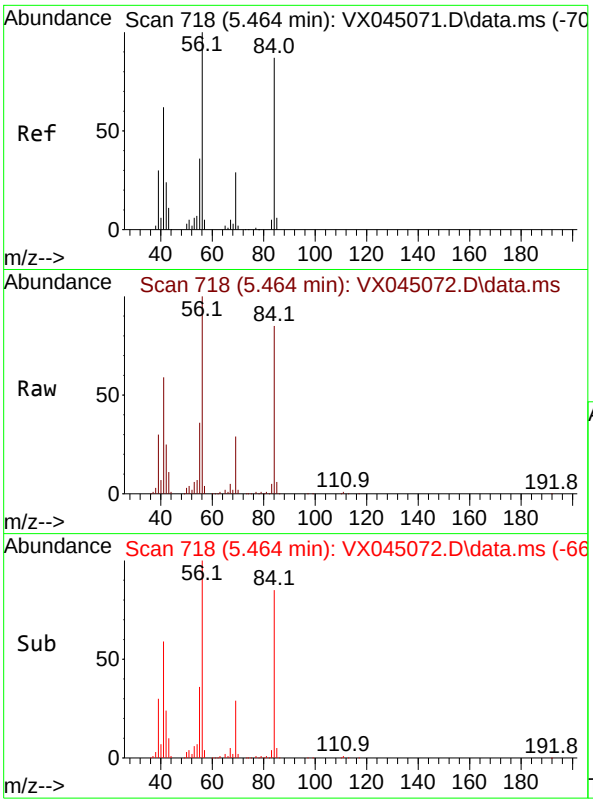


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



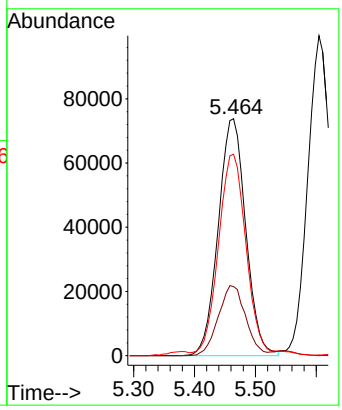


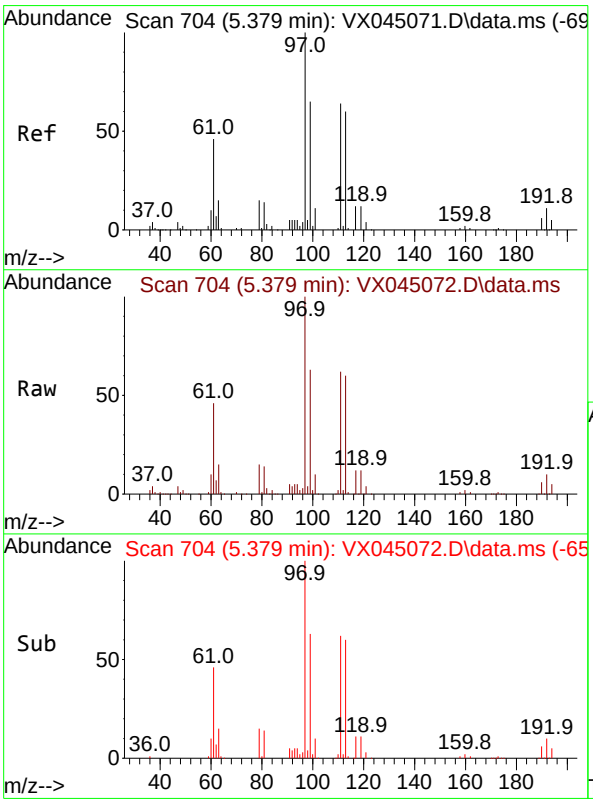
#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 231082

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2

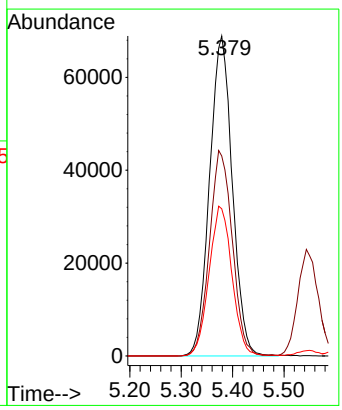


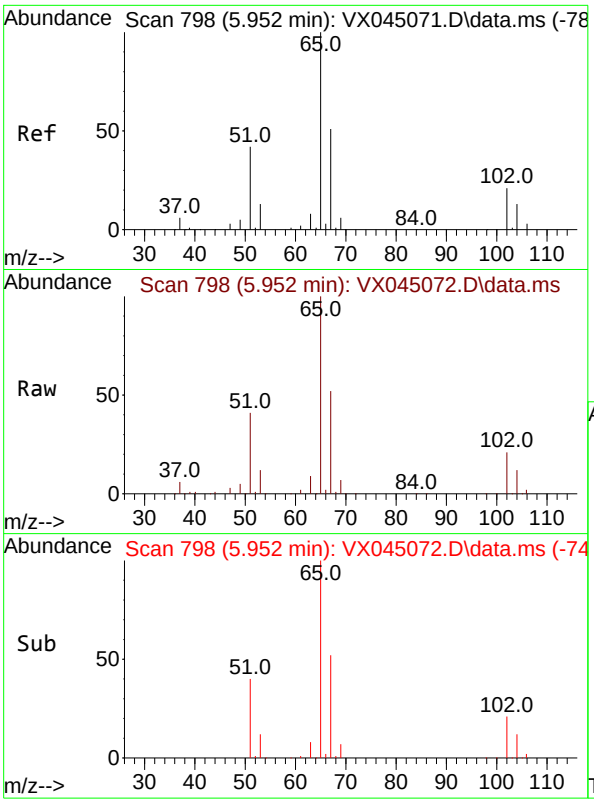


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6



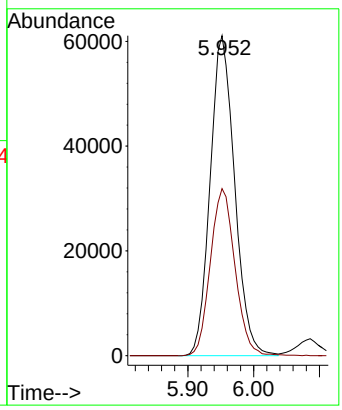


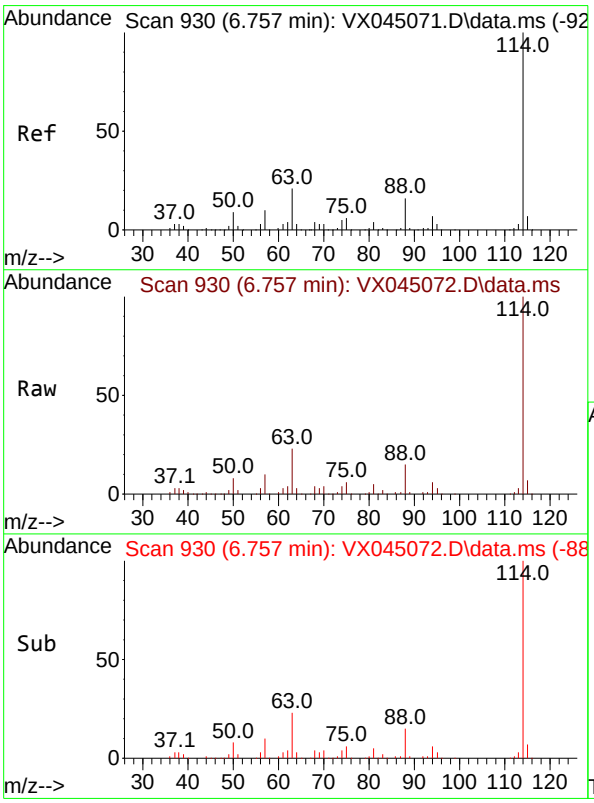
#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

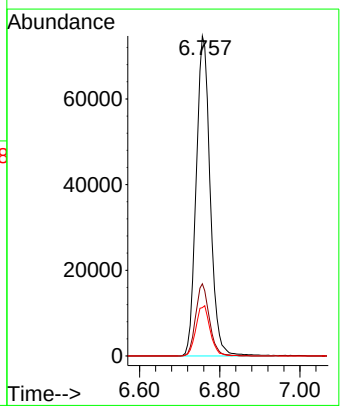


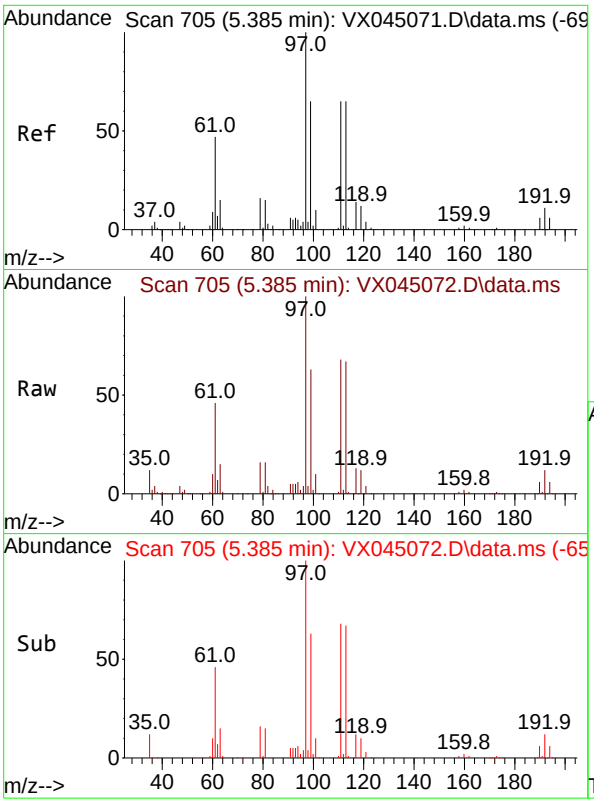


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8



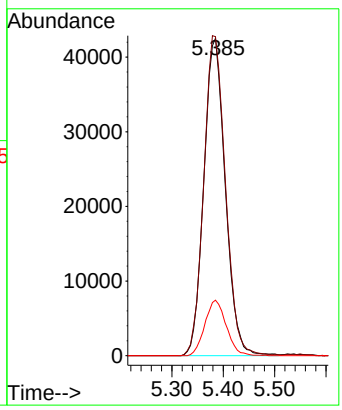


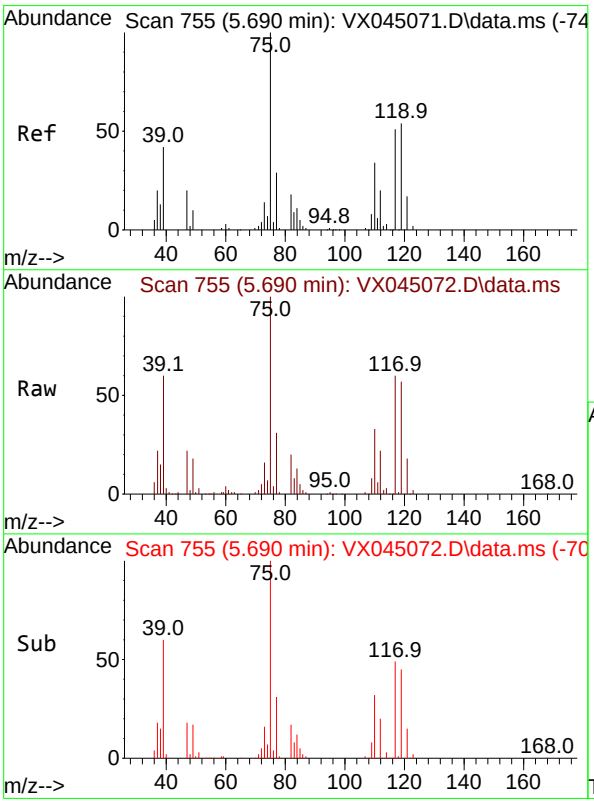
#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 123185

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5

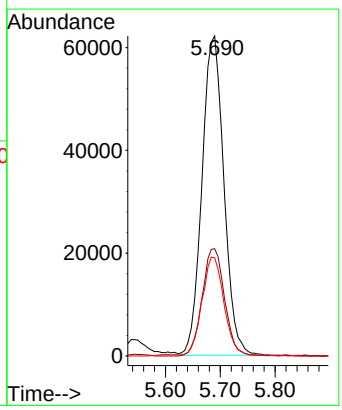


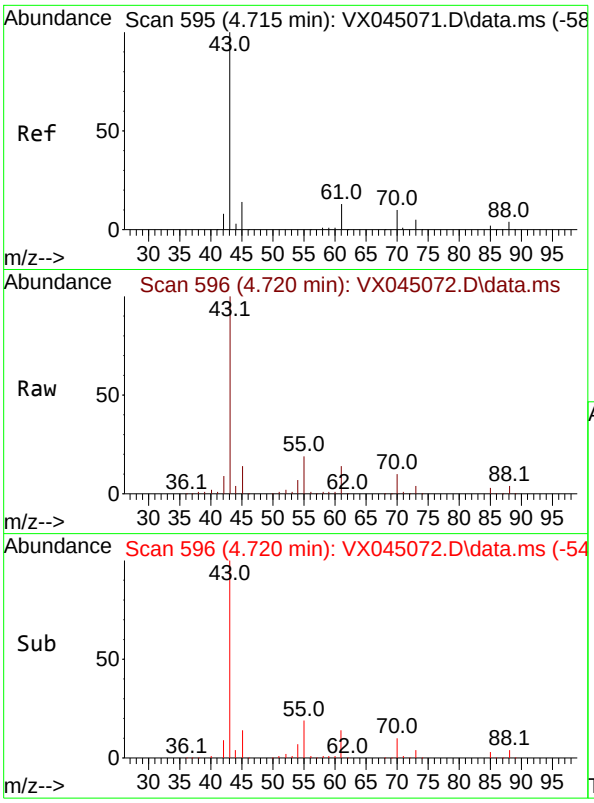


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7



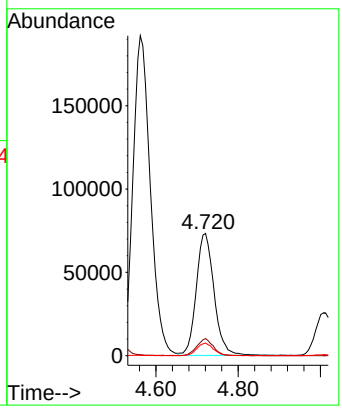


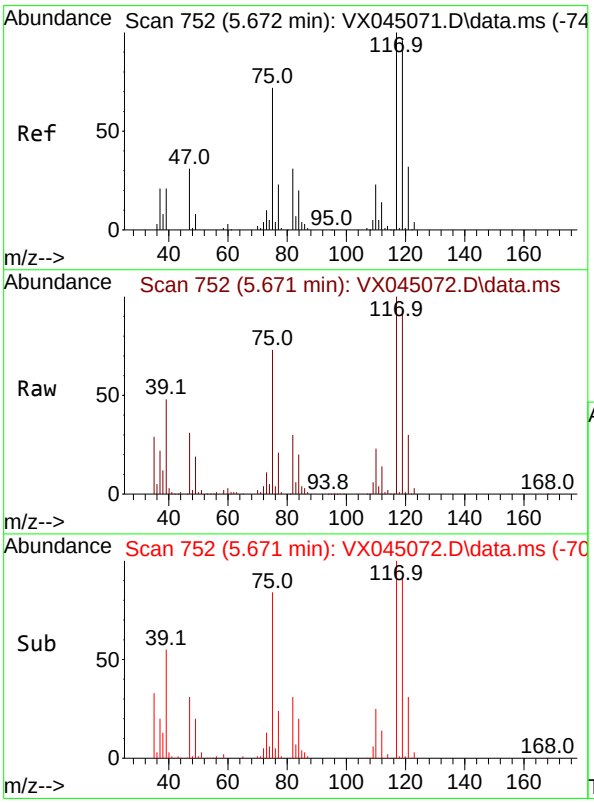
#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 220327

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5

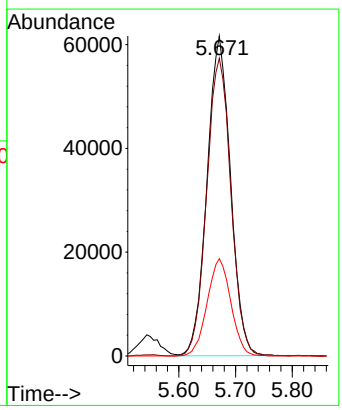


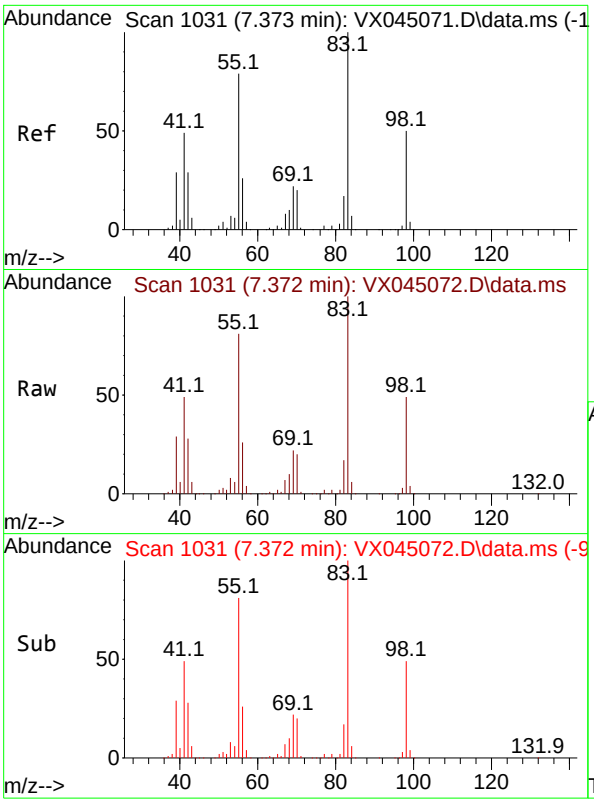


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3



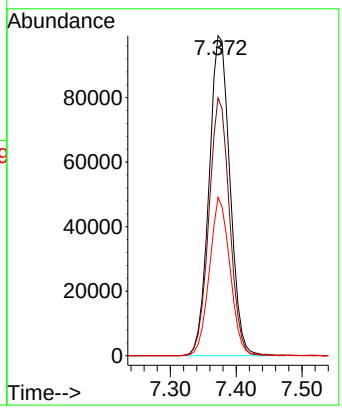


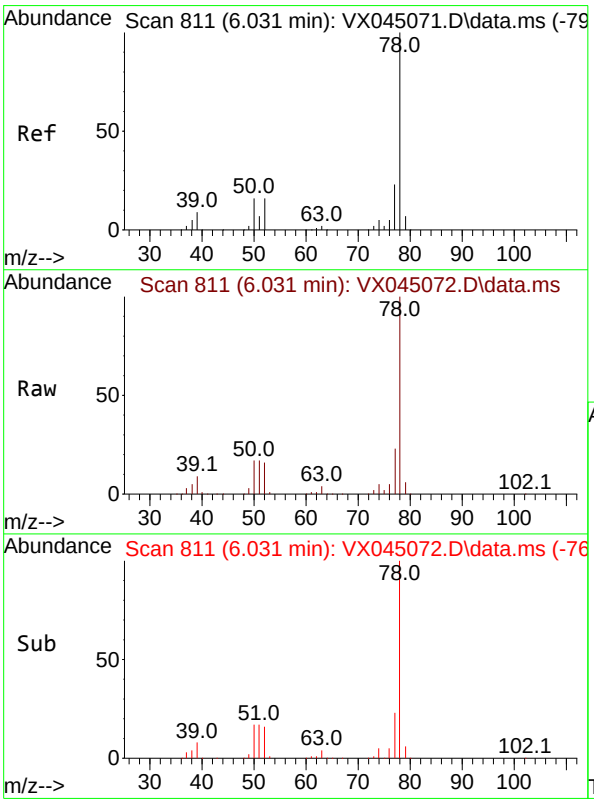
#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 219856

Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5

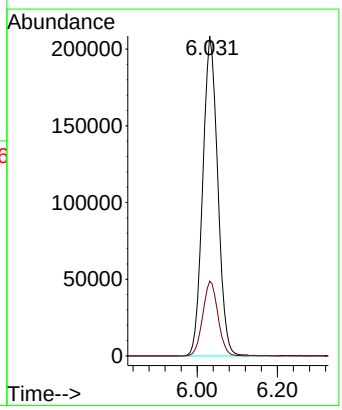


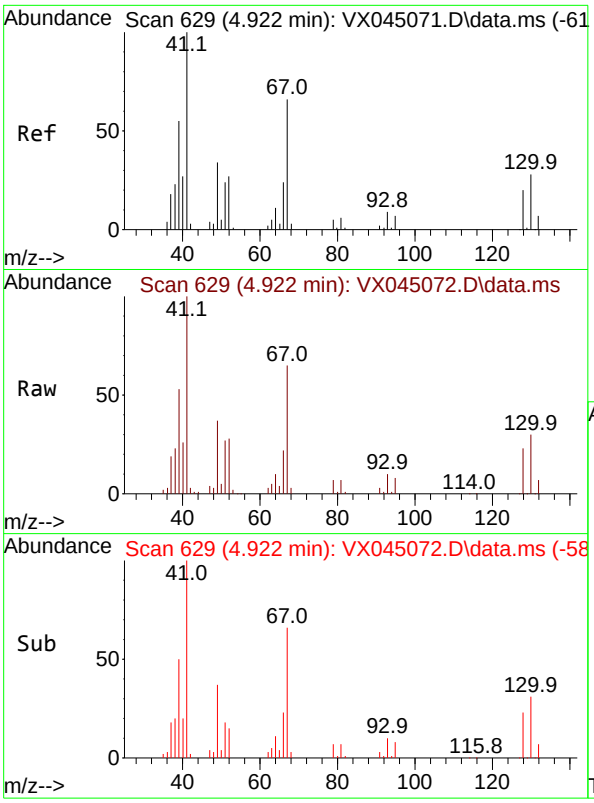


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



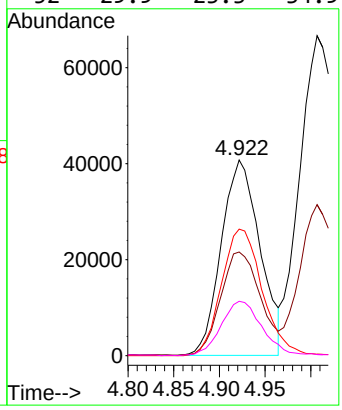


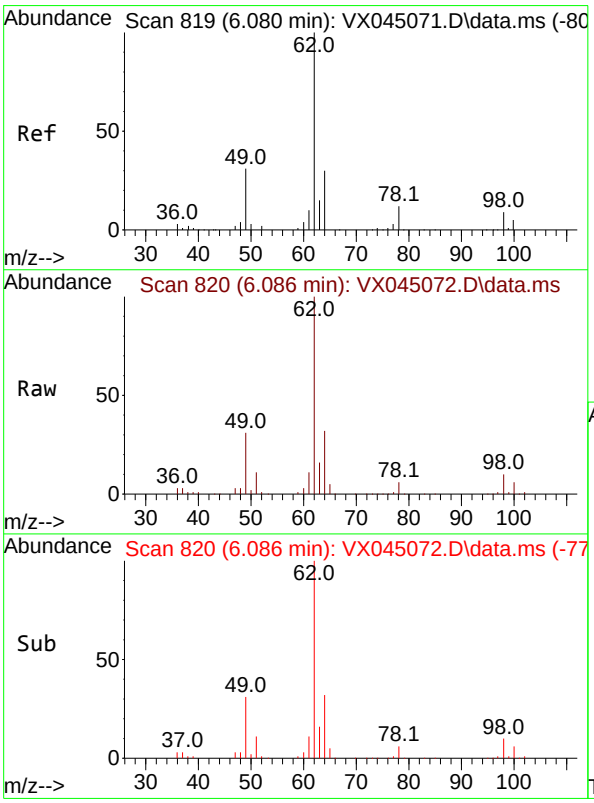
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 120186

Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9

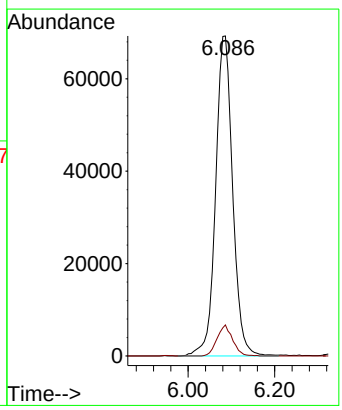


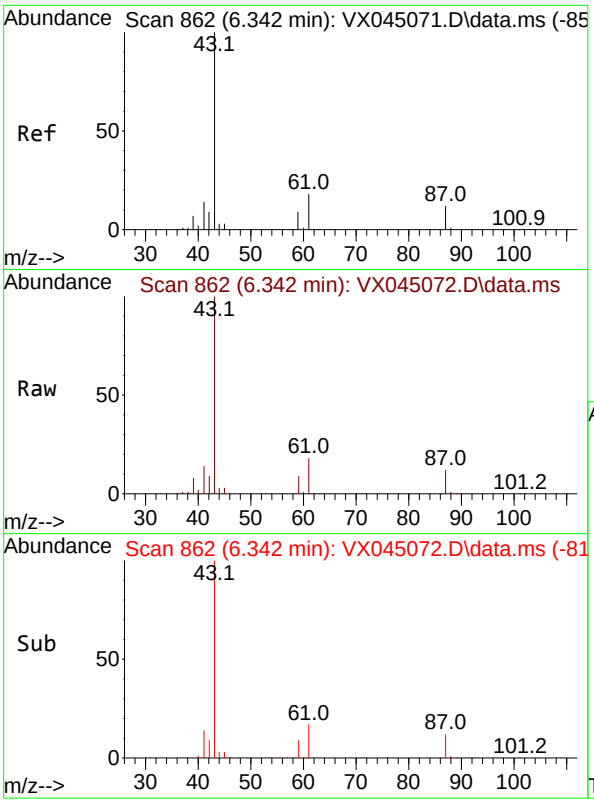


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



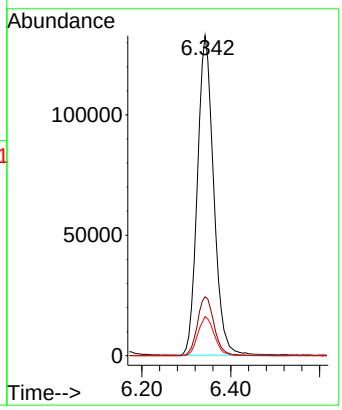


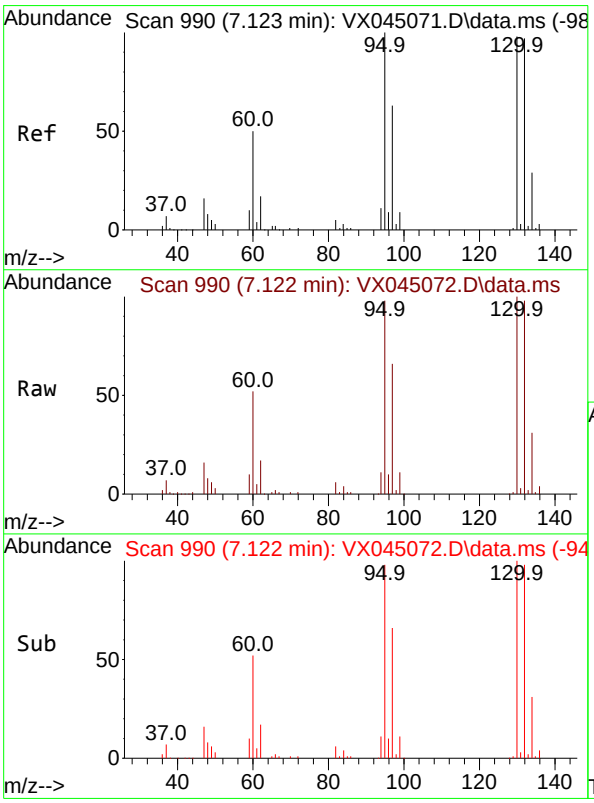
#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 338414

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

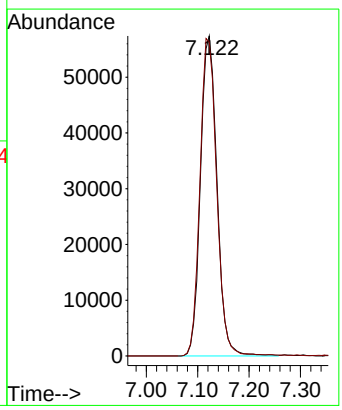


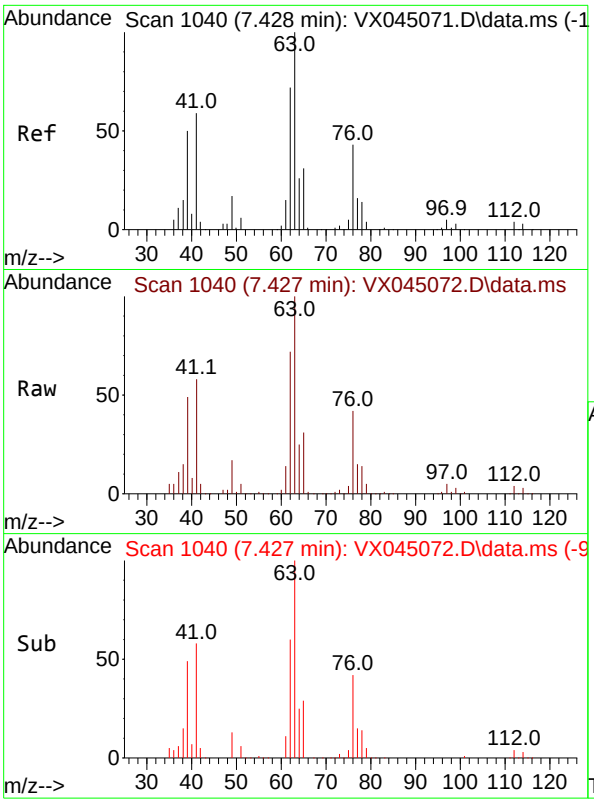


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0



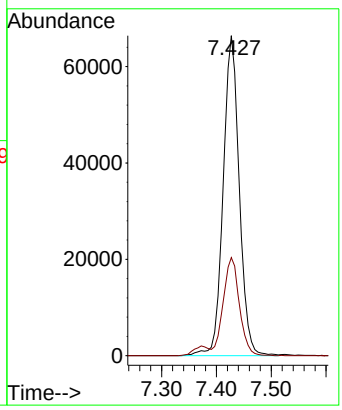


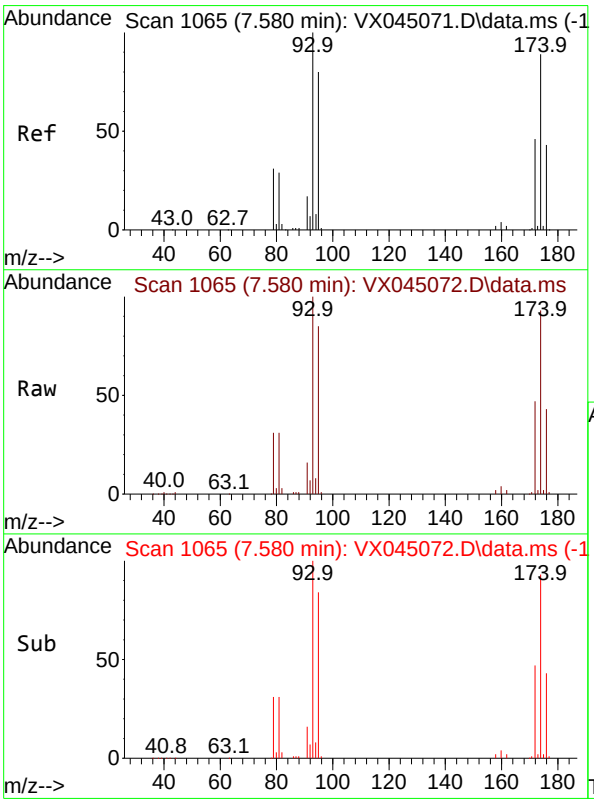
#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 135997

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

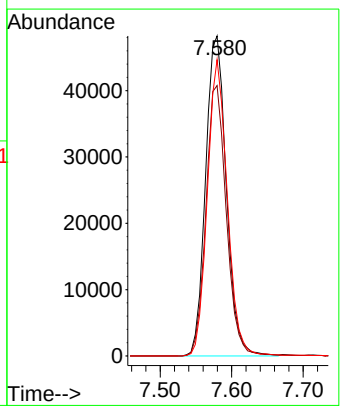


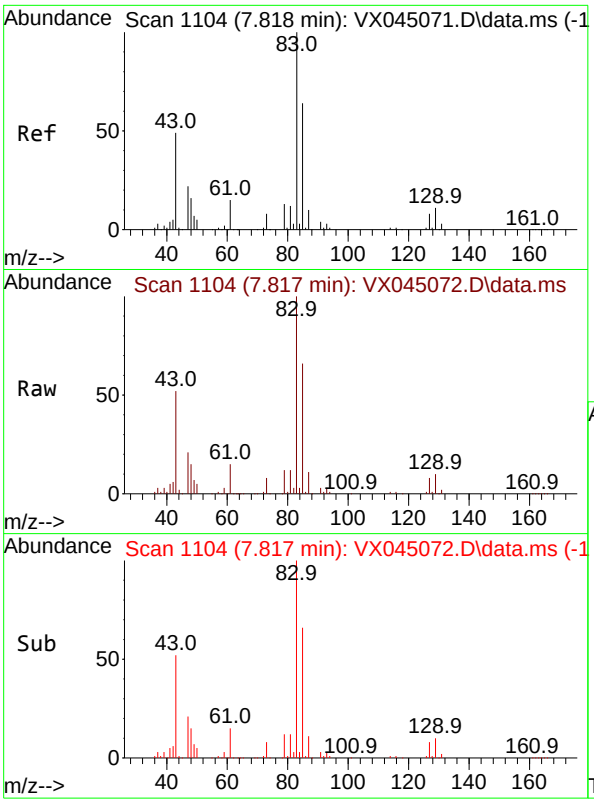


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2



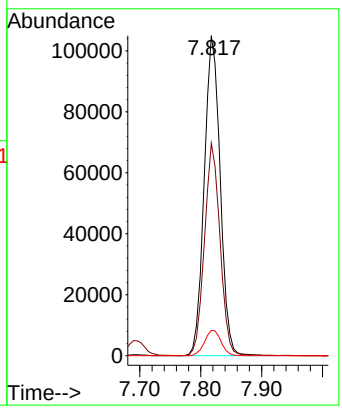


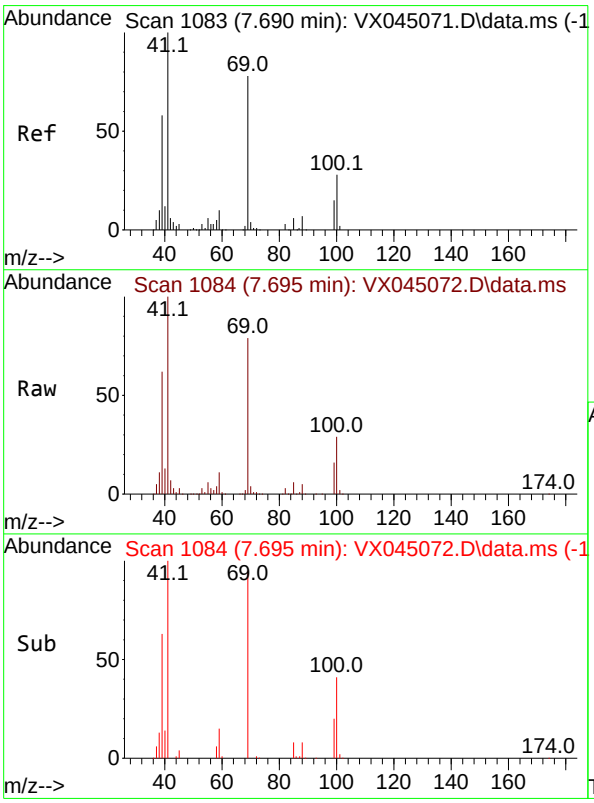
#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 191016

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6

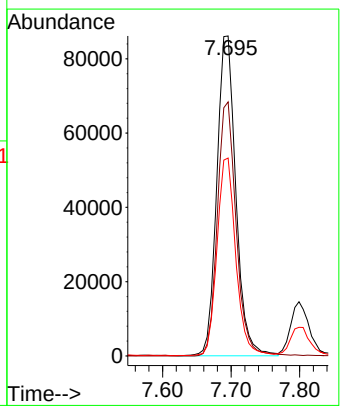


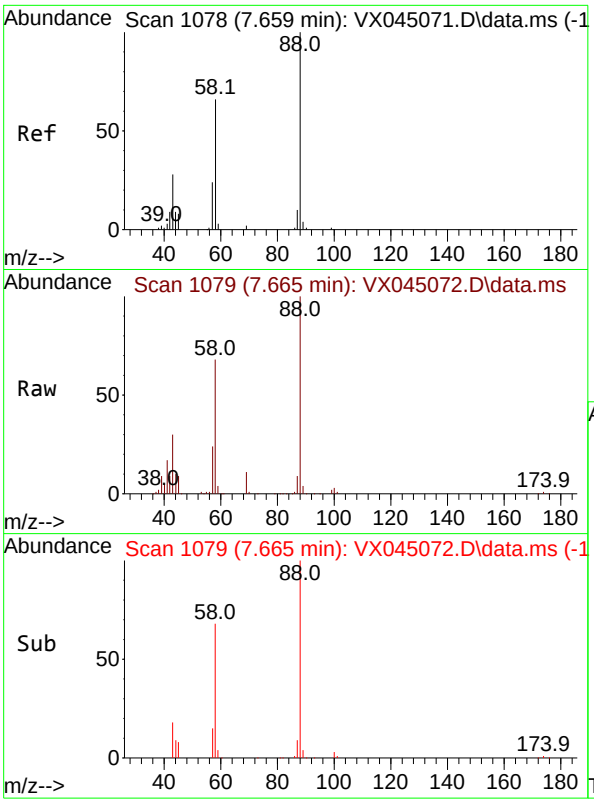


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3



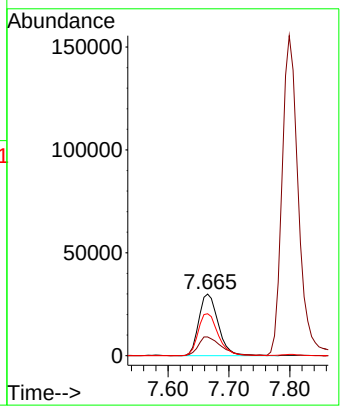


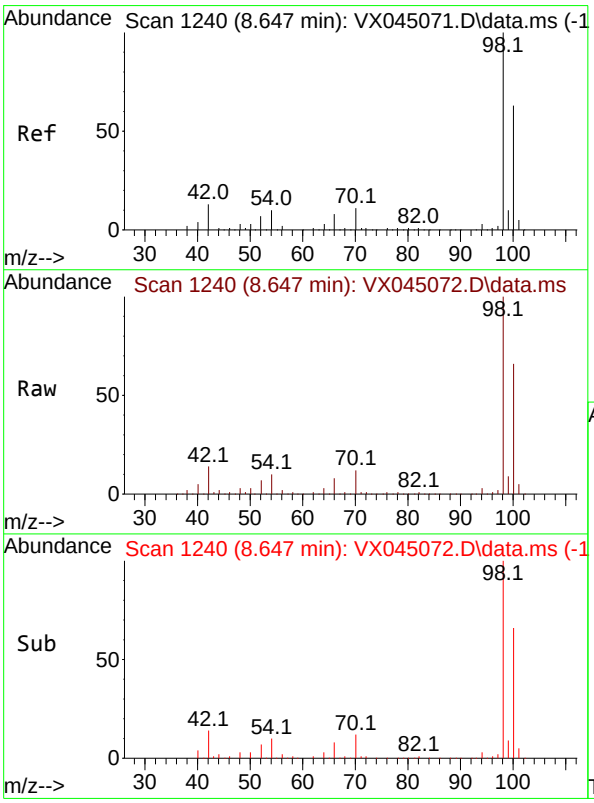
#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 66308

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

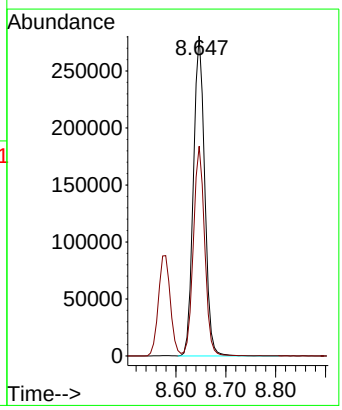


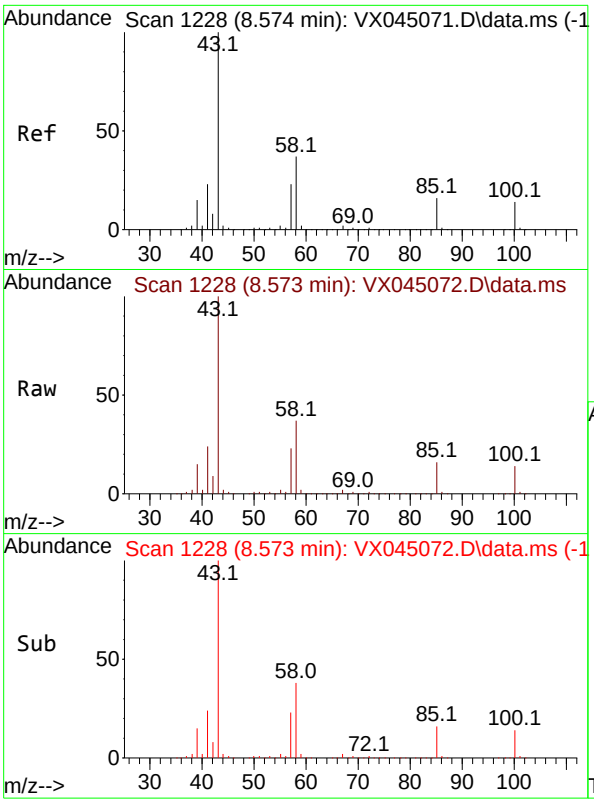


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



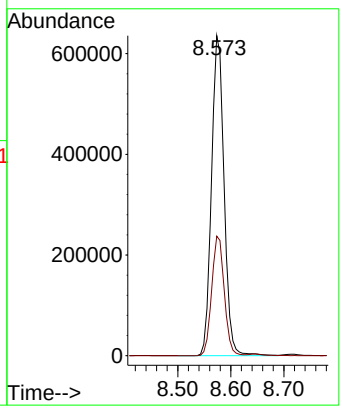


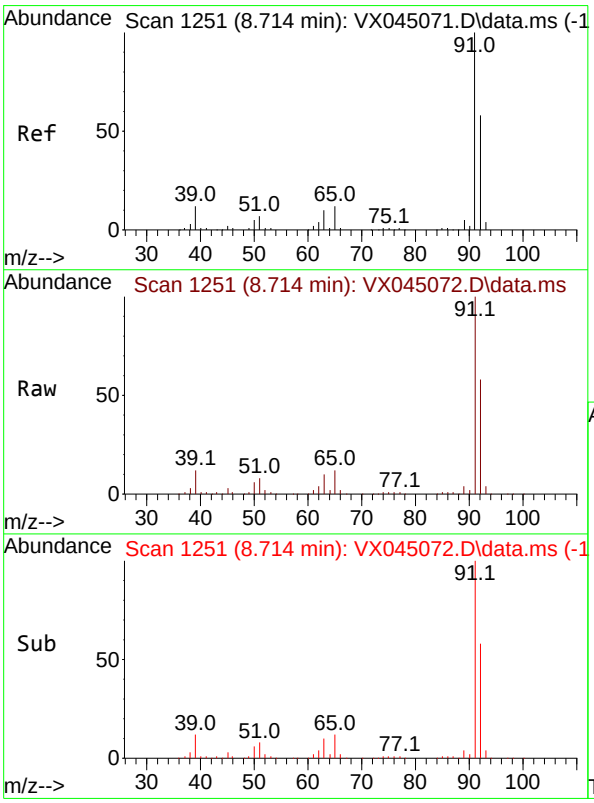
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8

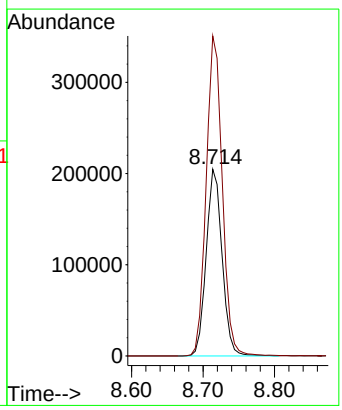


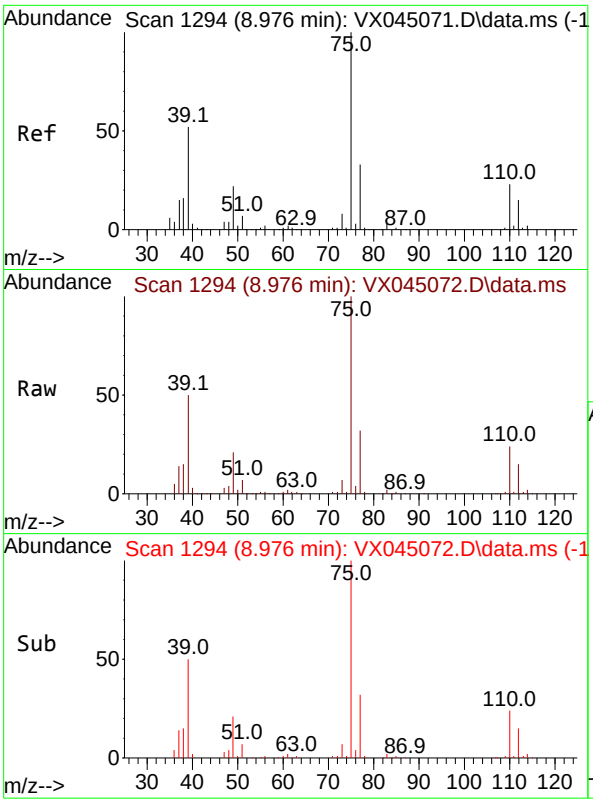


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3



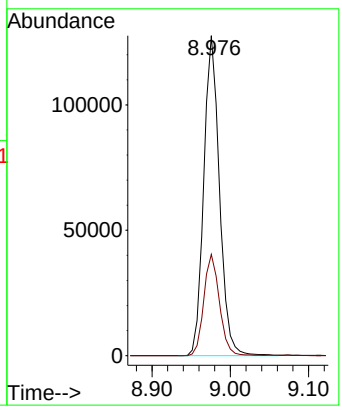


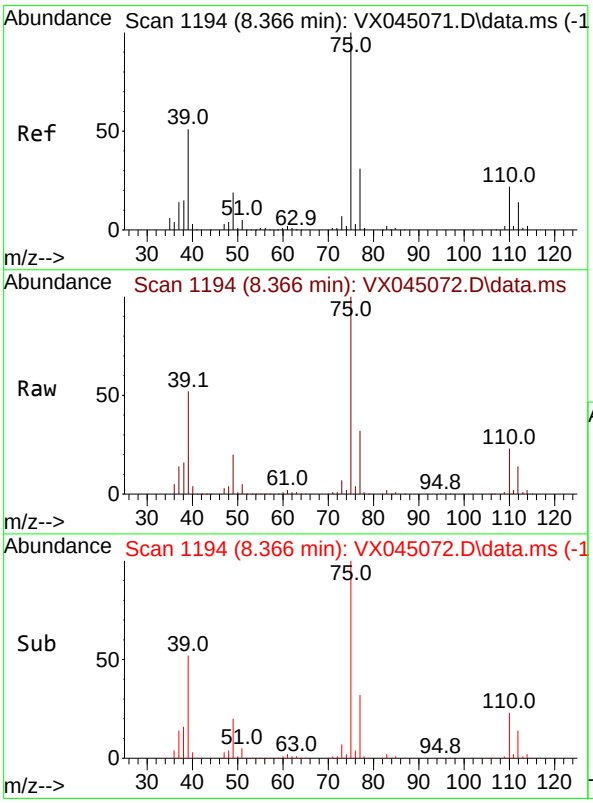
#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7

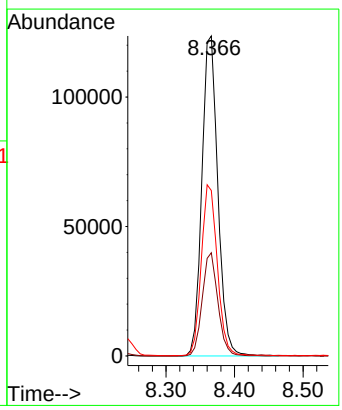


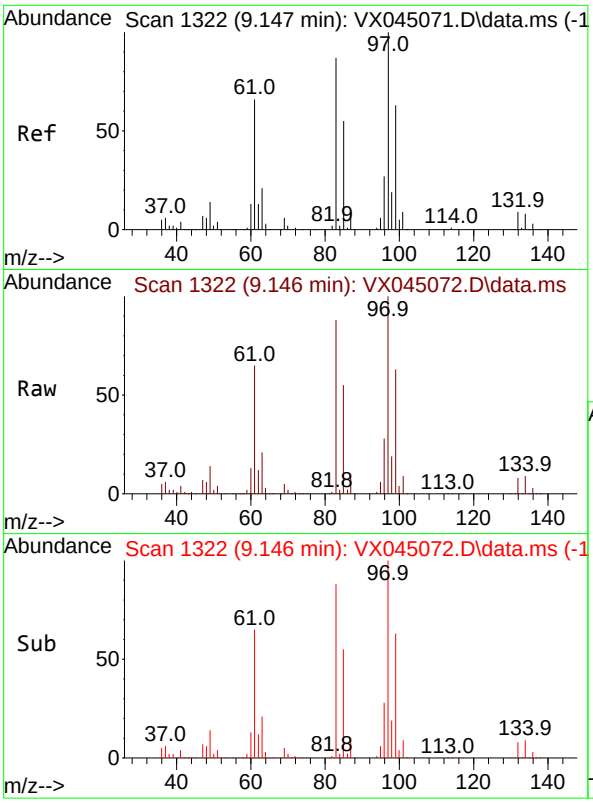


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1



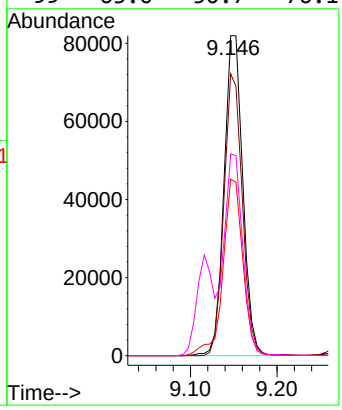


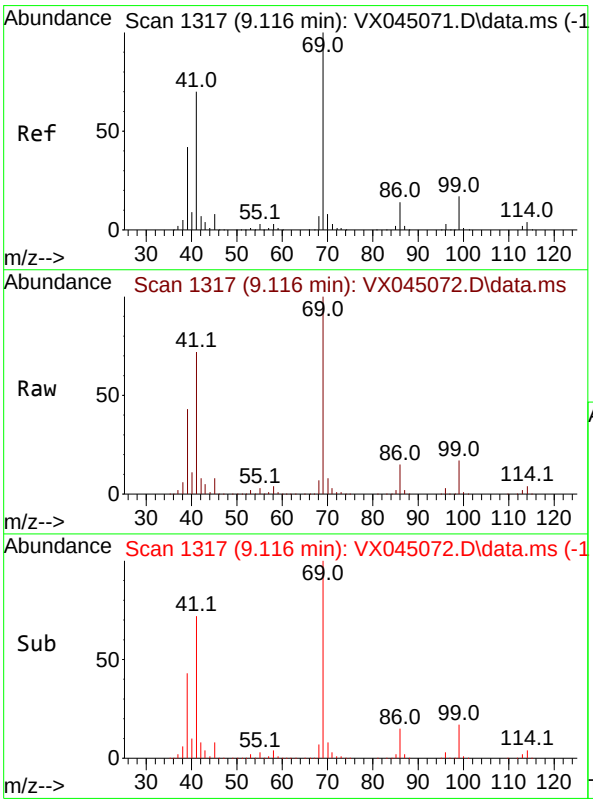
#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 123426

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

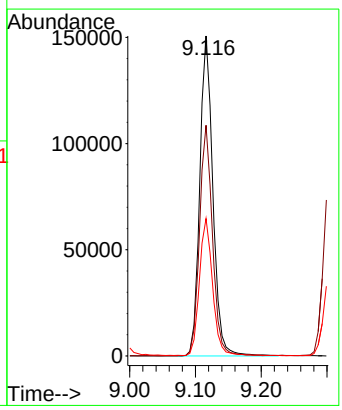


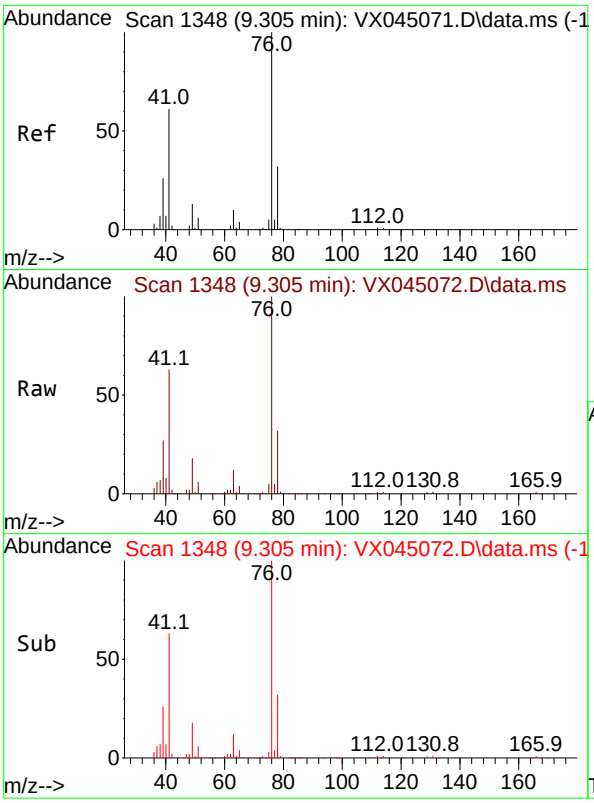


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



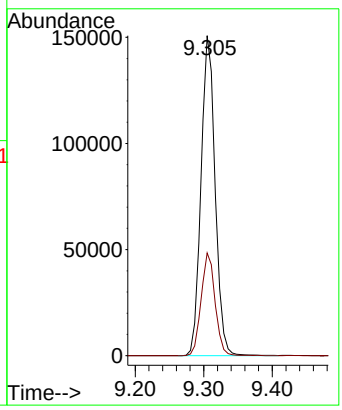


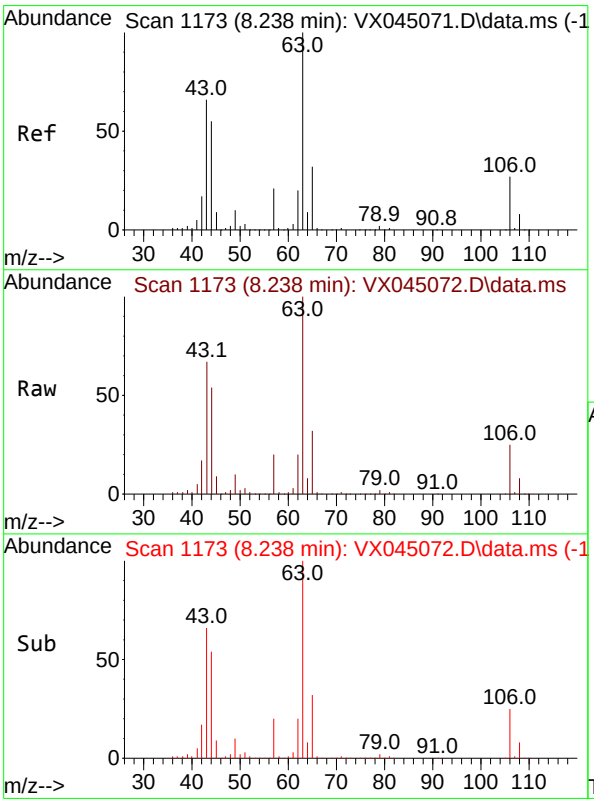
#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

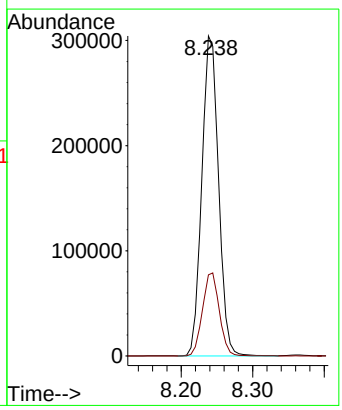


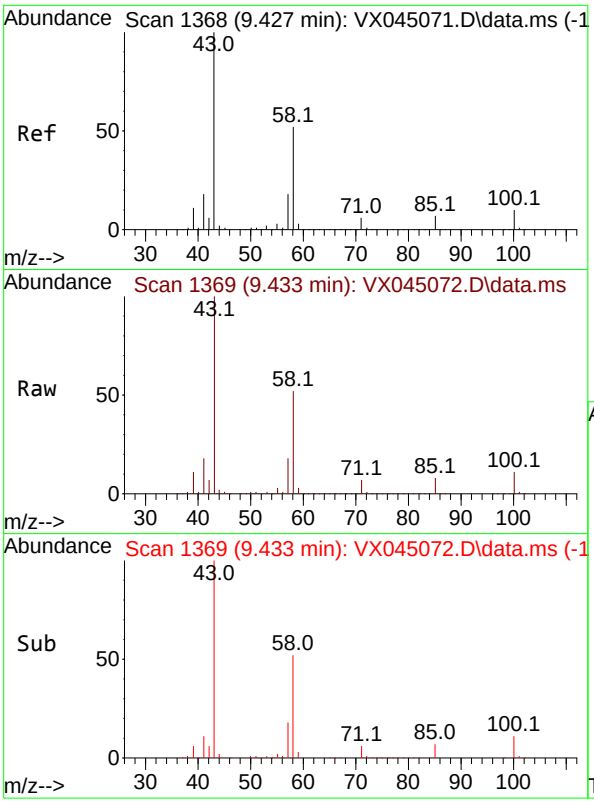


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



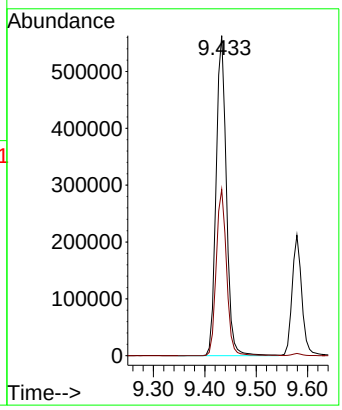


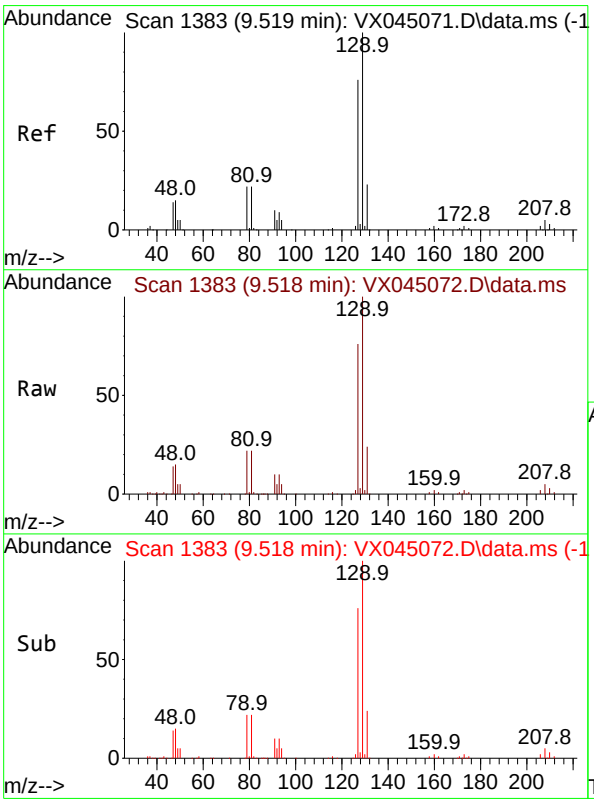
#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

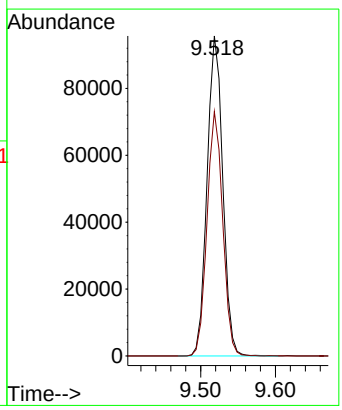


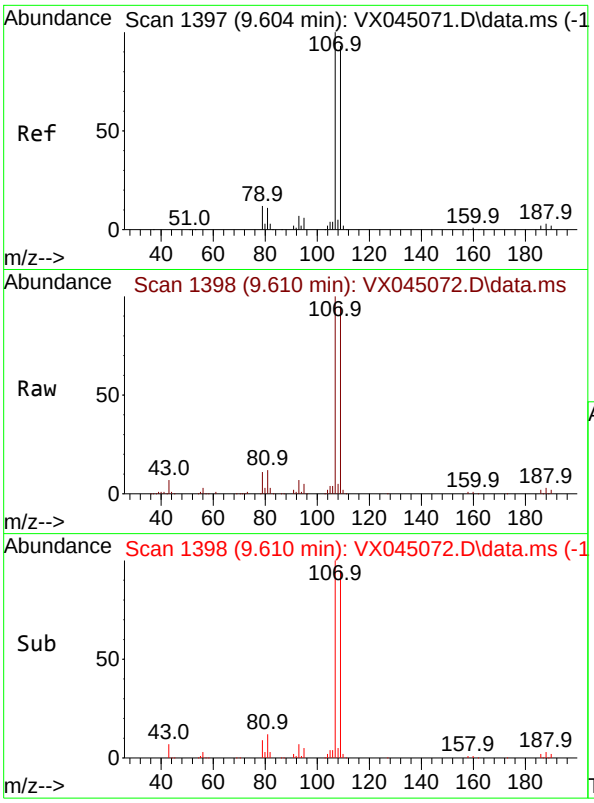


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



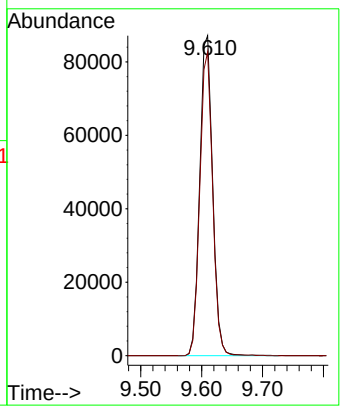


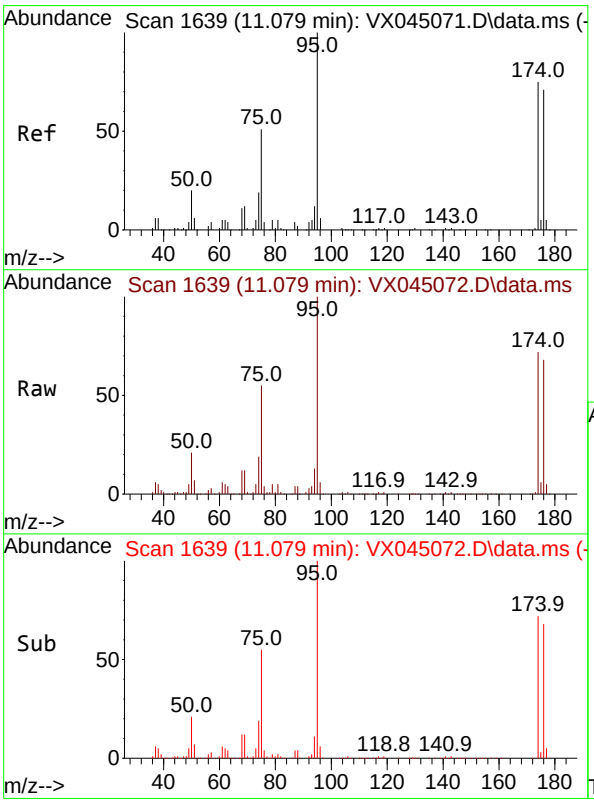
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 128617

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

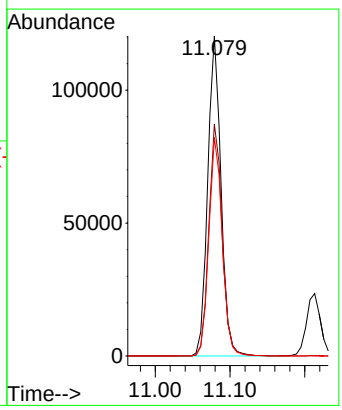


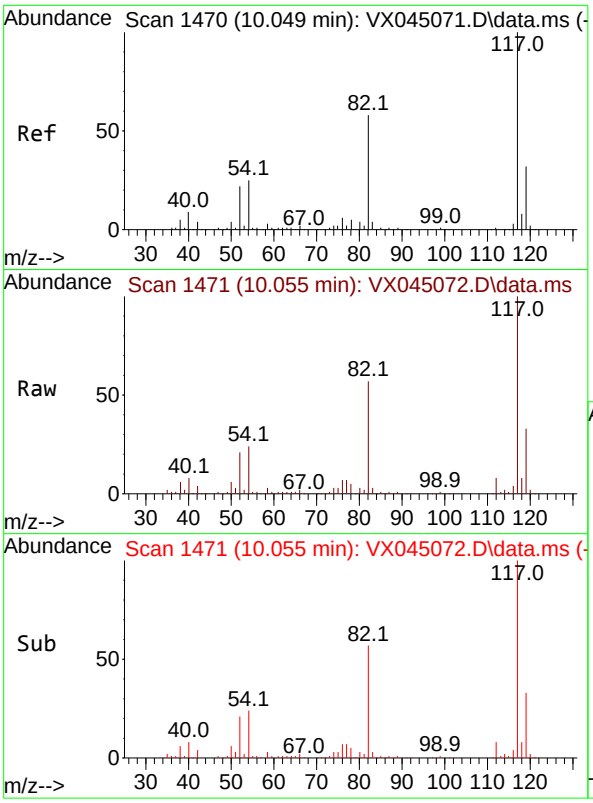


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4



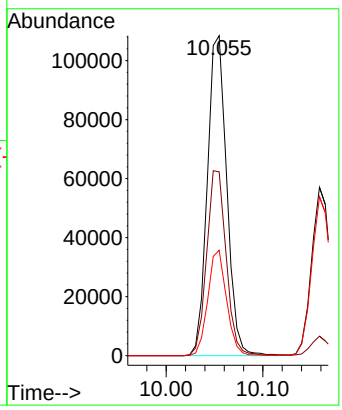


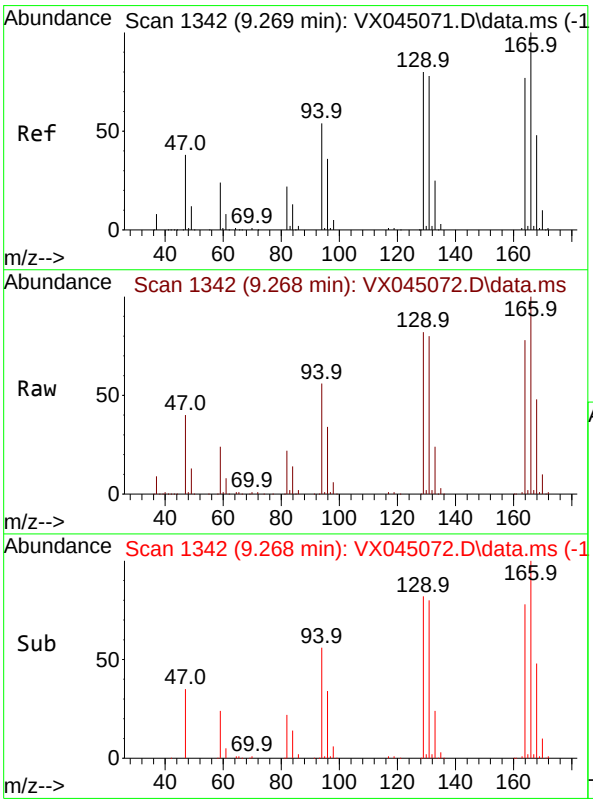
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 151175

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5

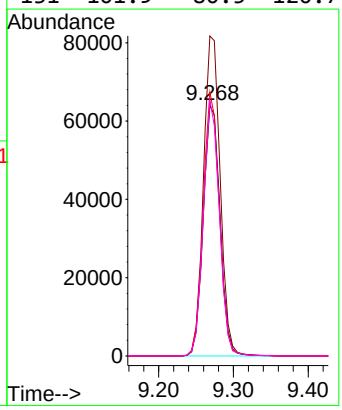


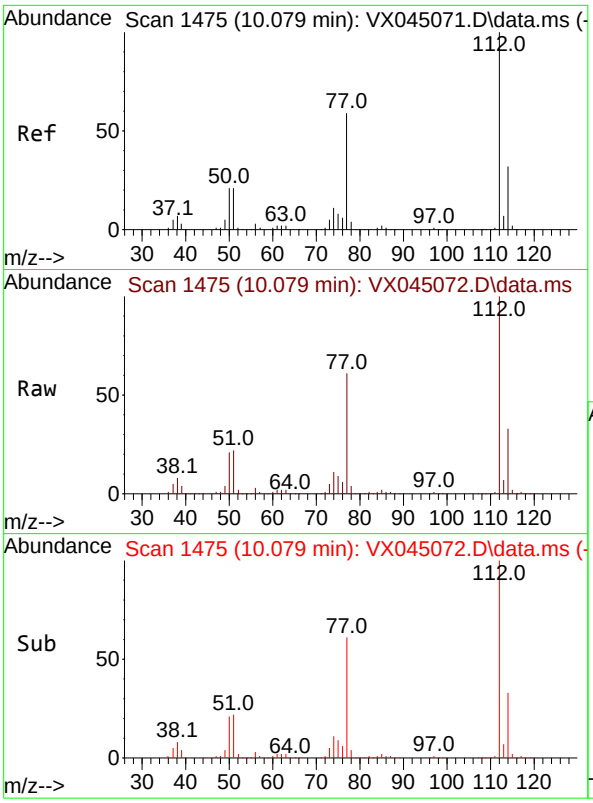


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7



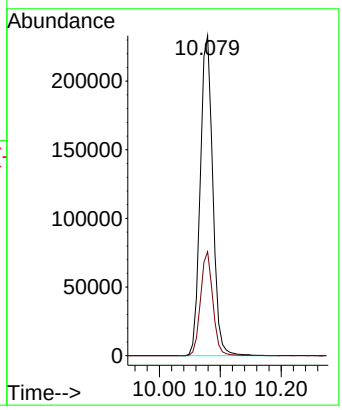


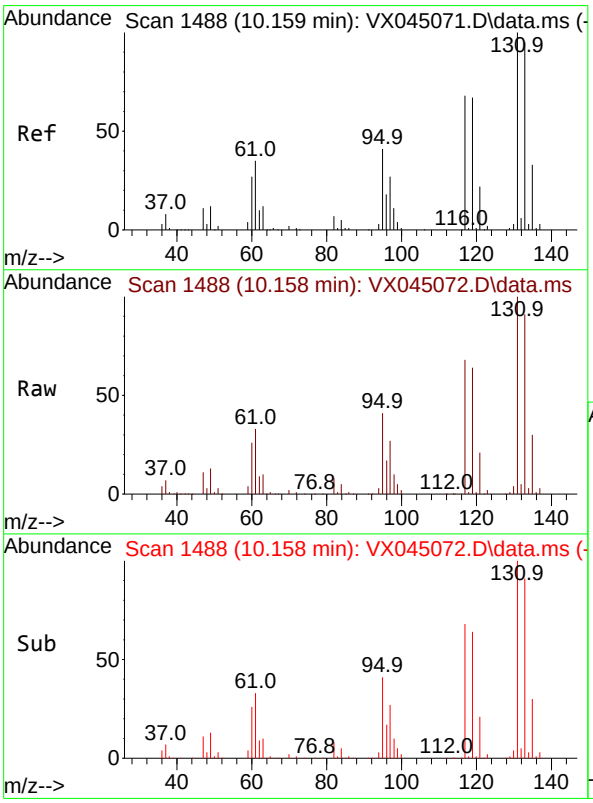
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 332473

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

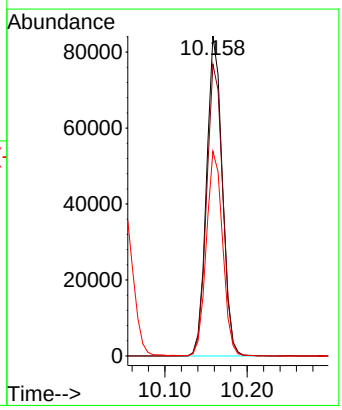


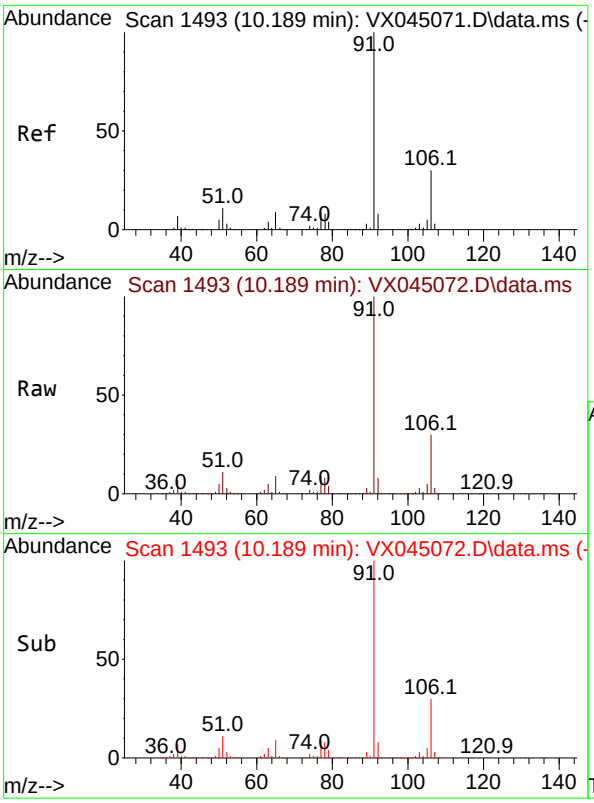


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7



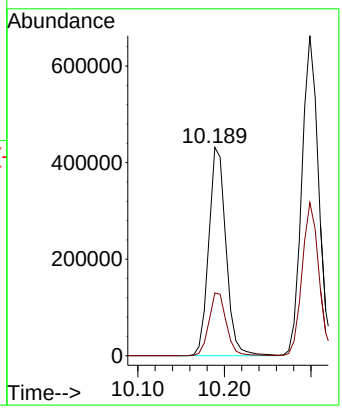


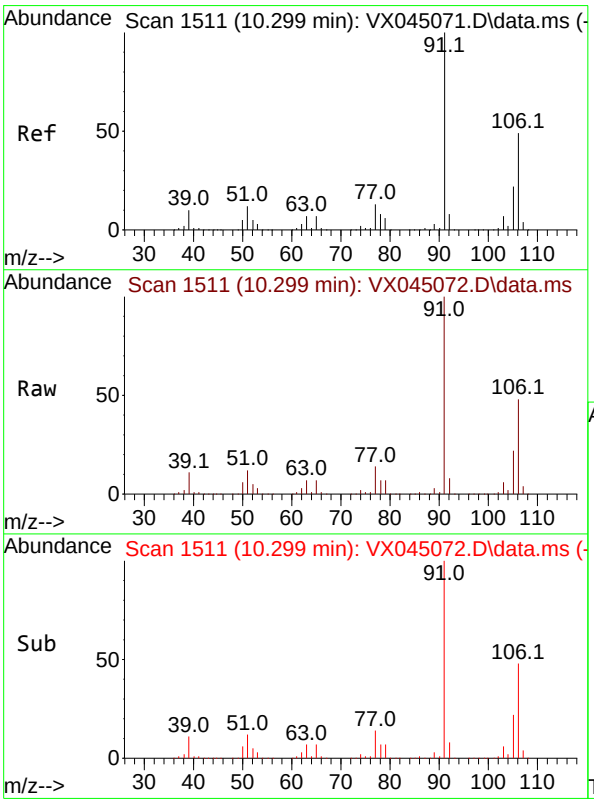
#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 596257

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

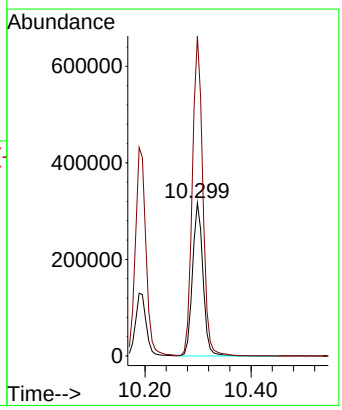


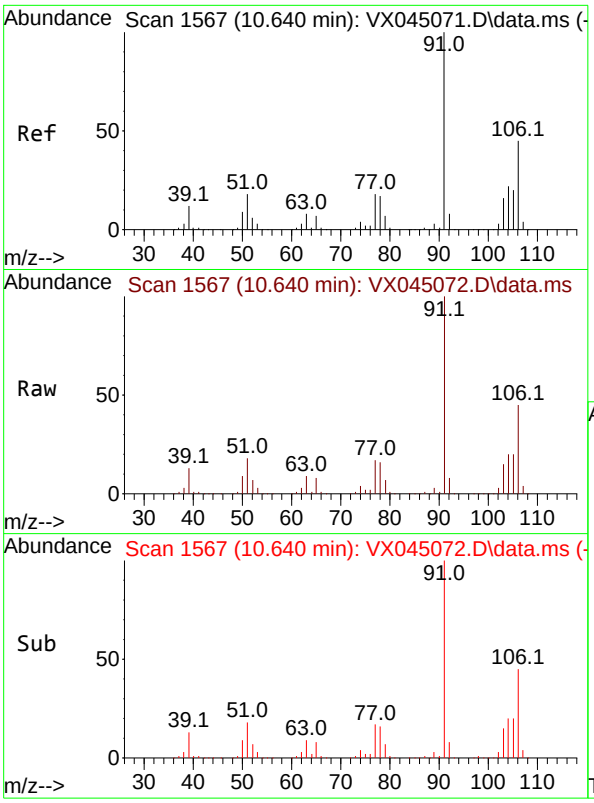


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0



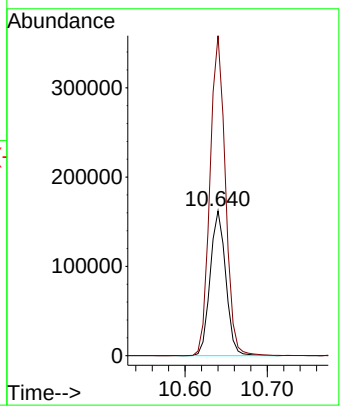


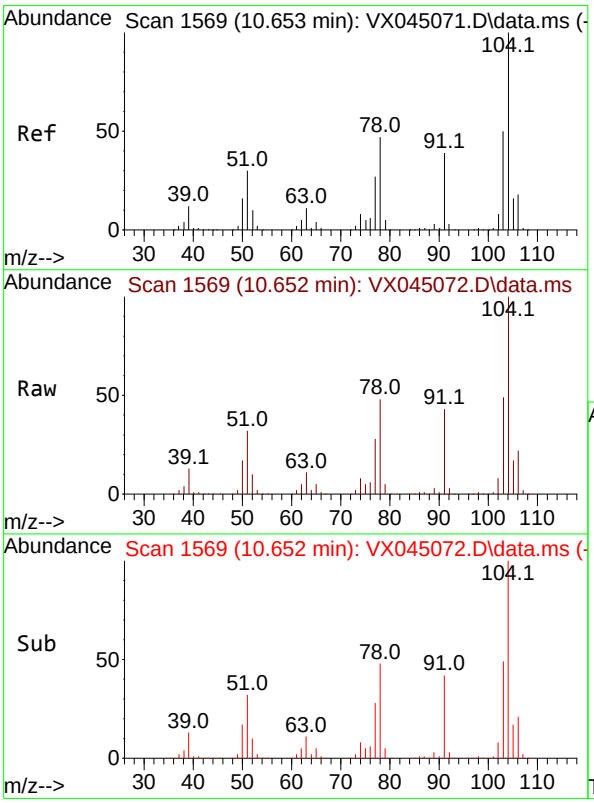
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 213835

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6

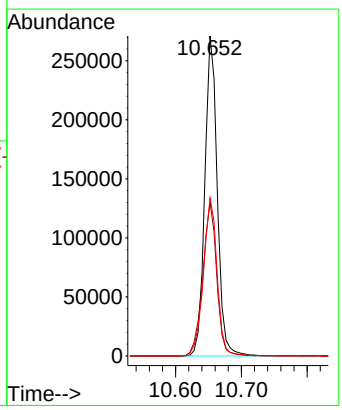


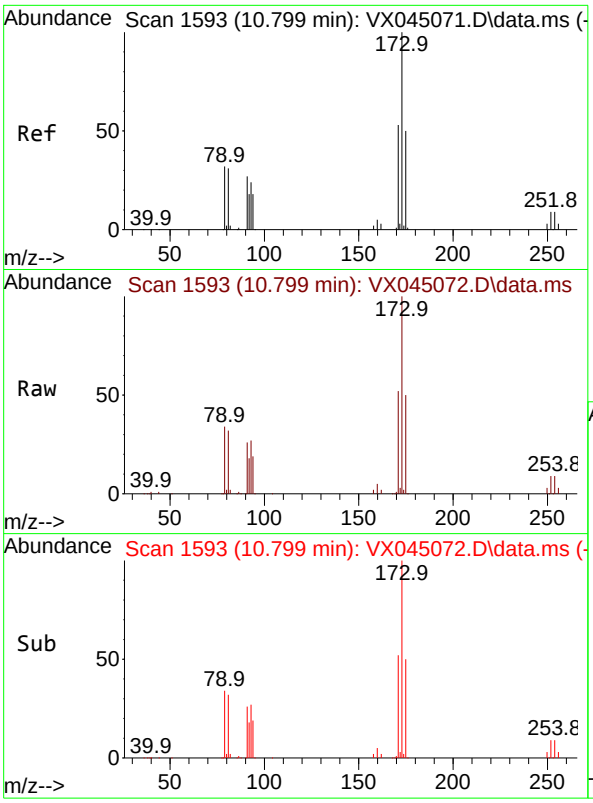


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8



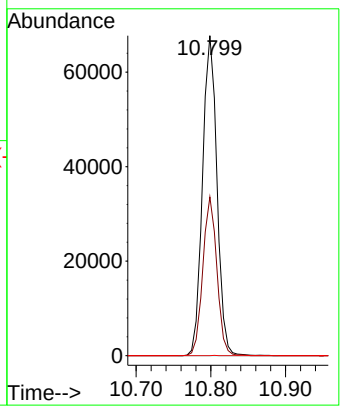


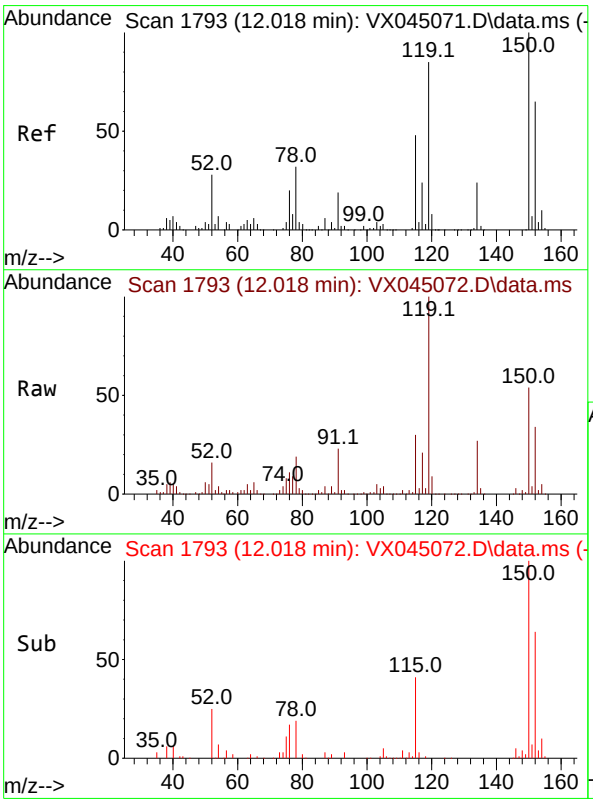
#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 90800

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0#

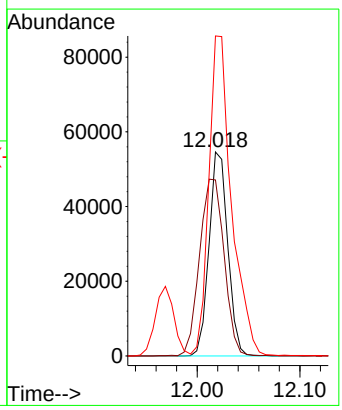


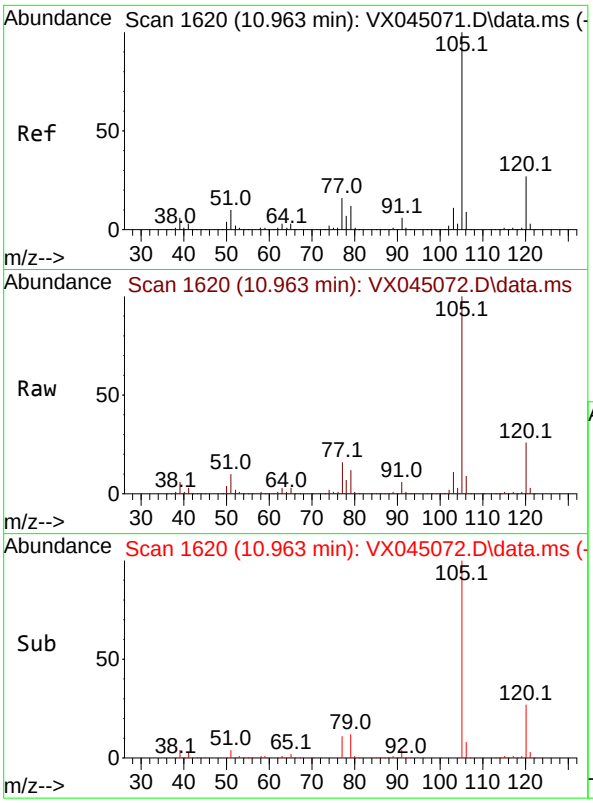


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0



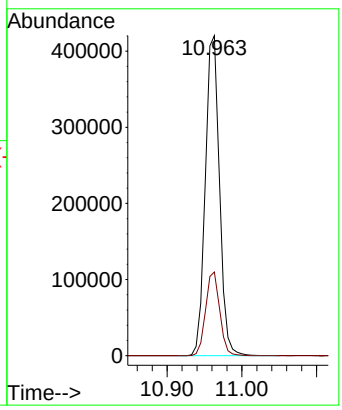


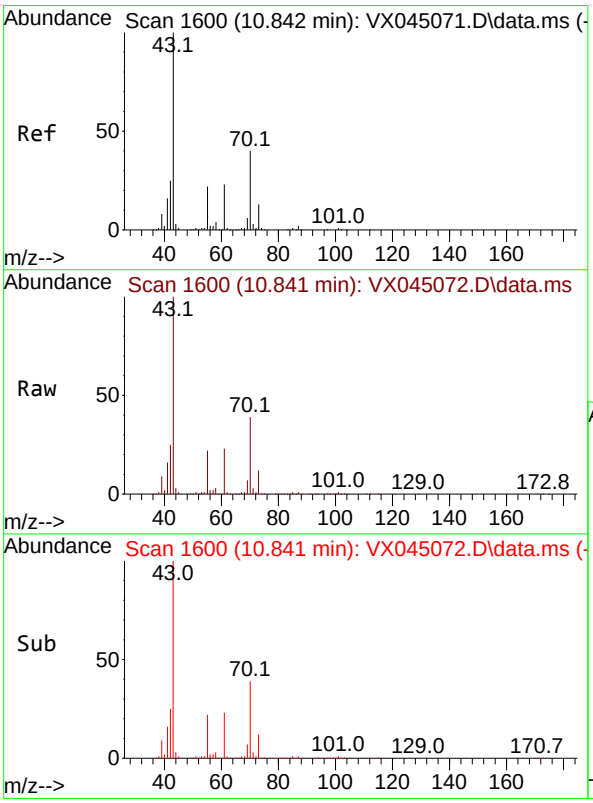
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

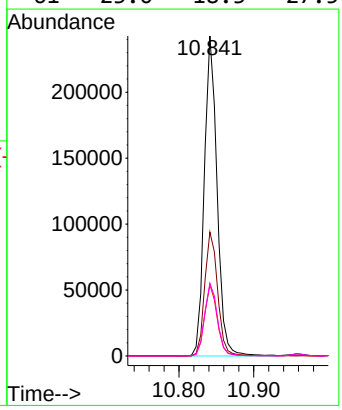


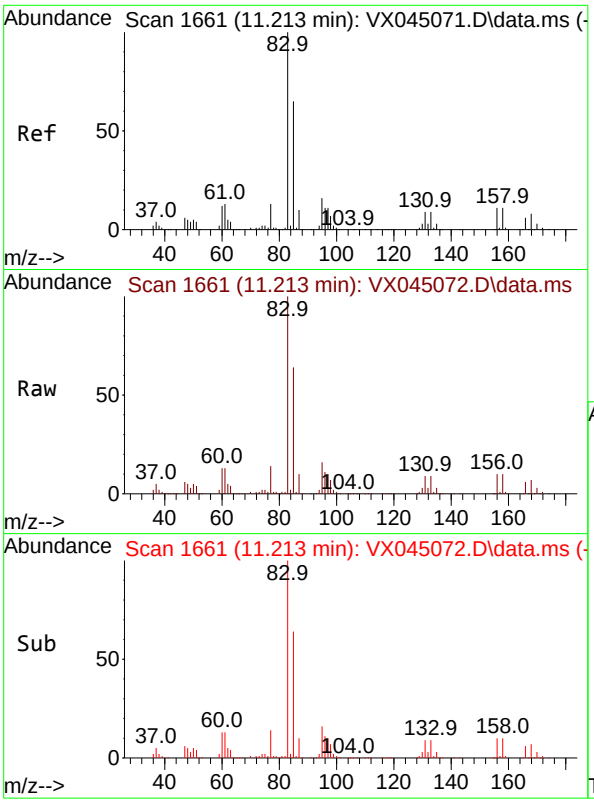


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



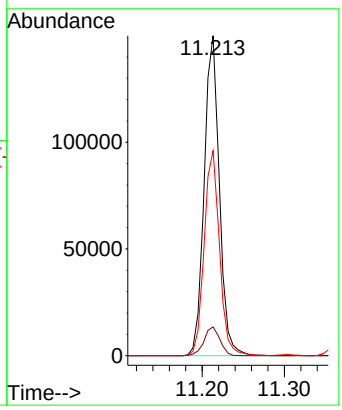


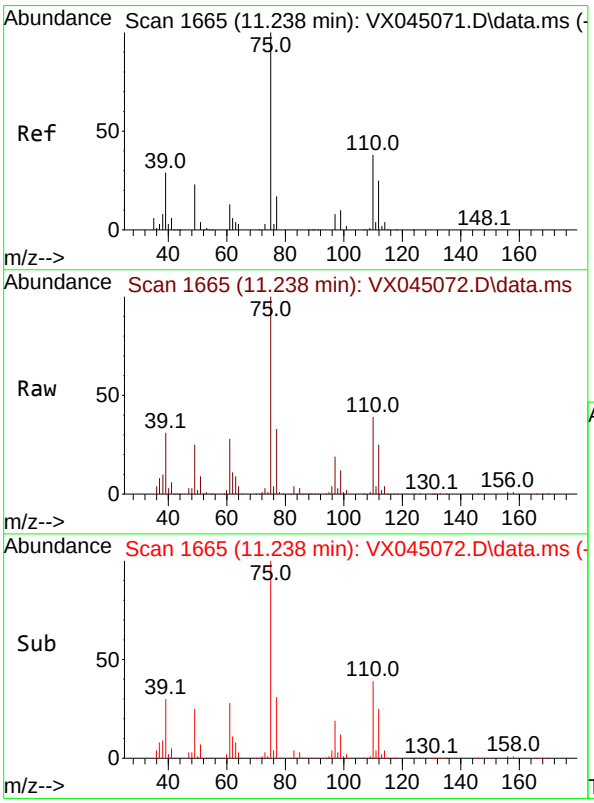
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 192217

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1

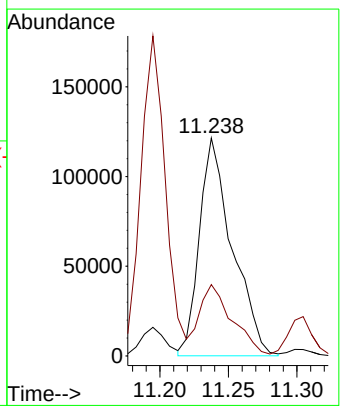


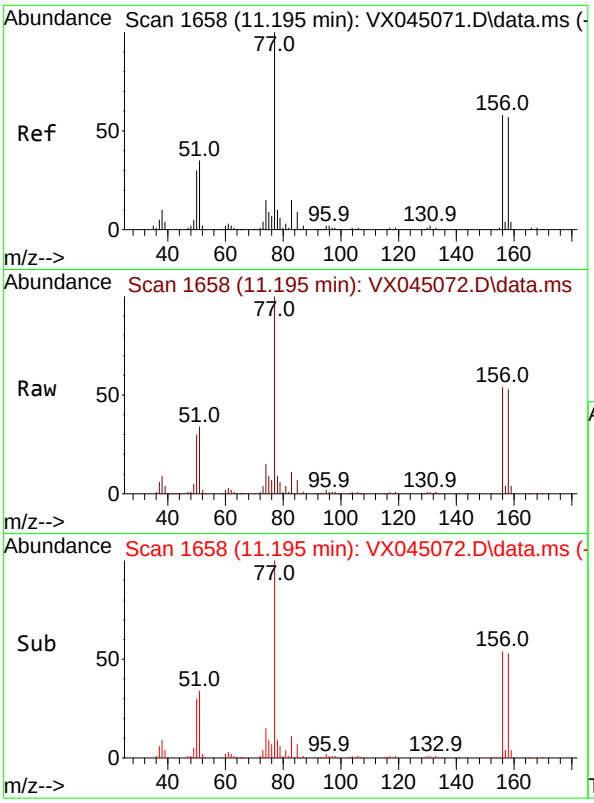


#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 203020

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



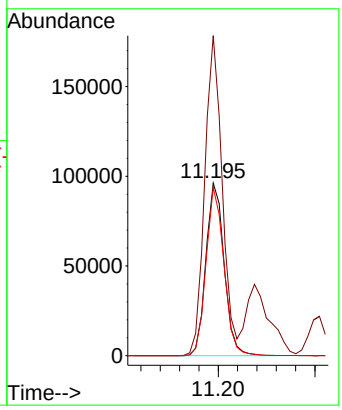


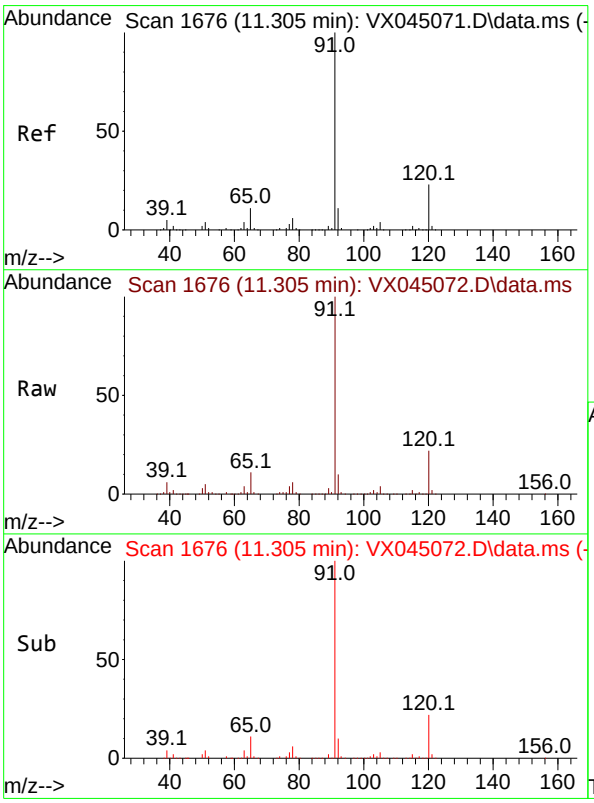
#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 125700

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2

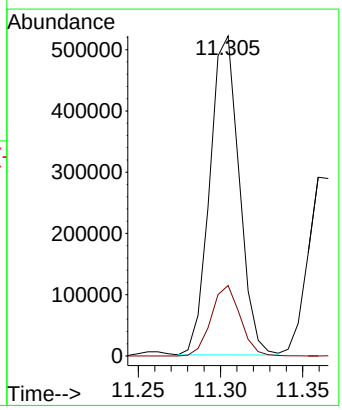


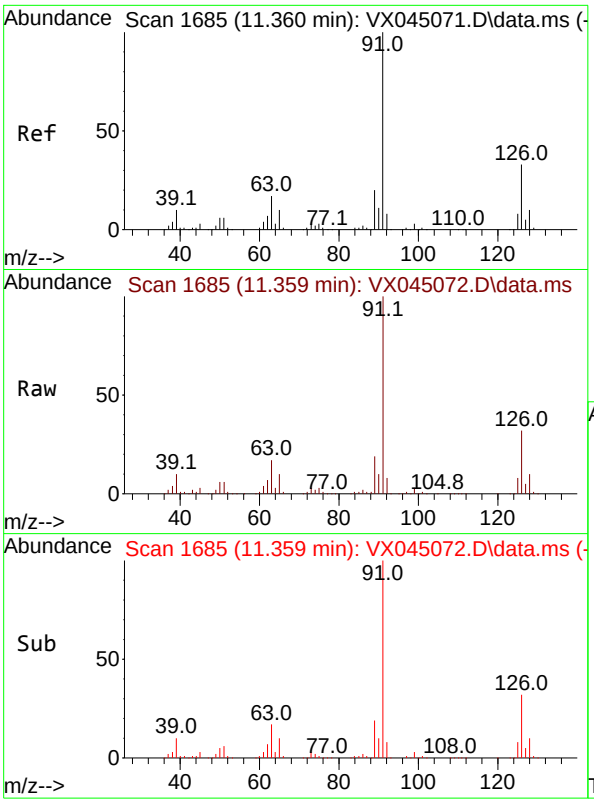


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



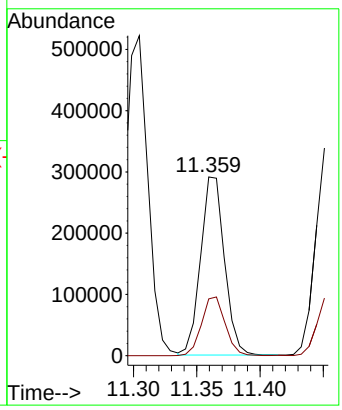


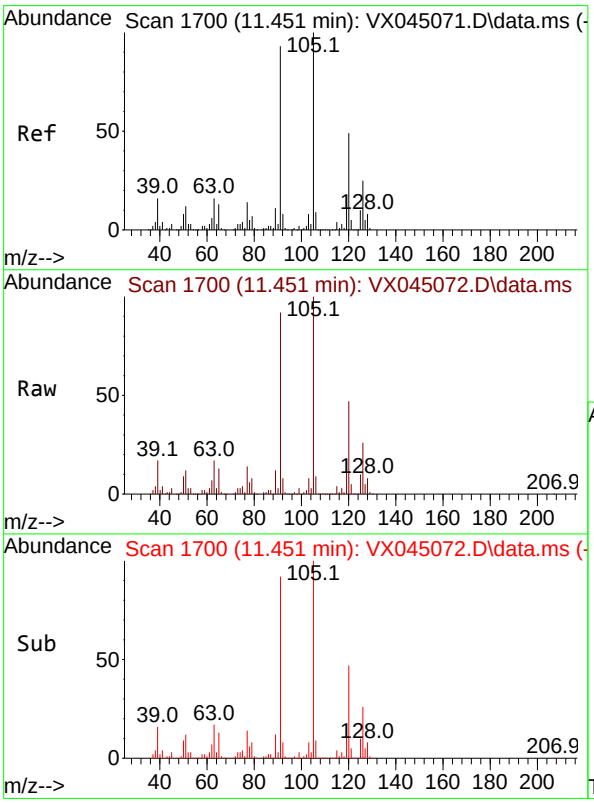
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 382703

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

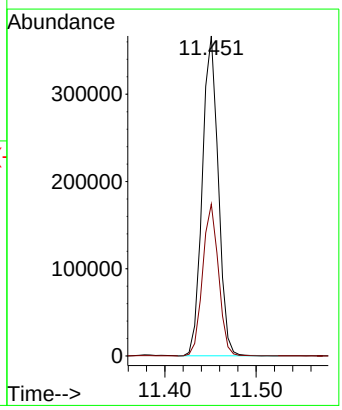


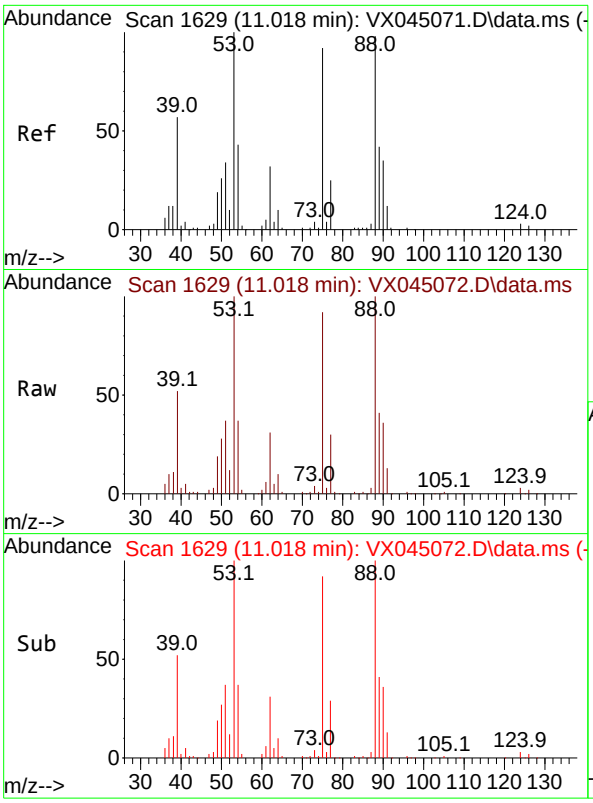


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



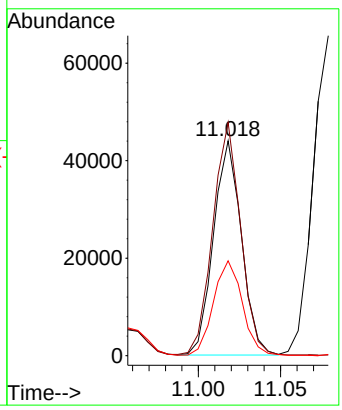


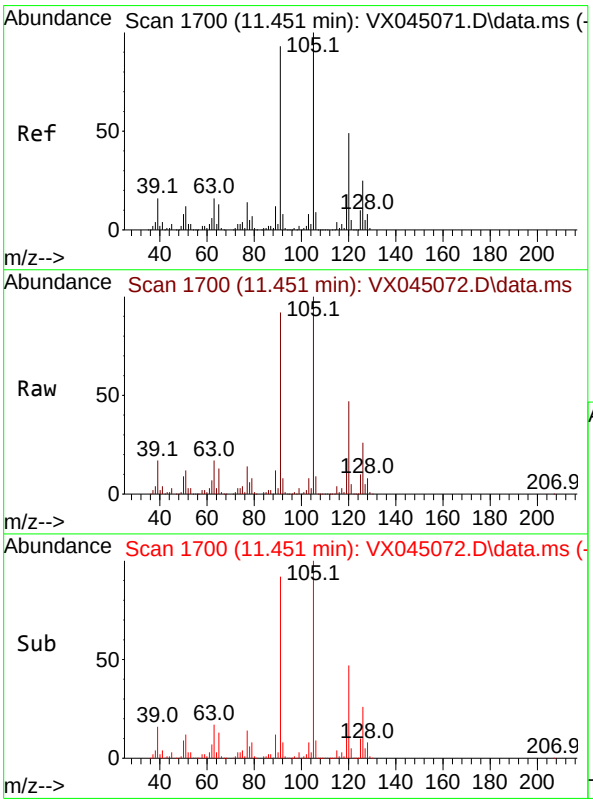
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 51975

Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4

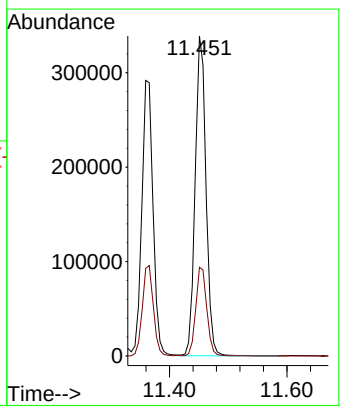


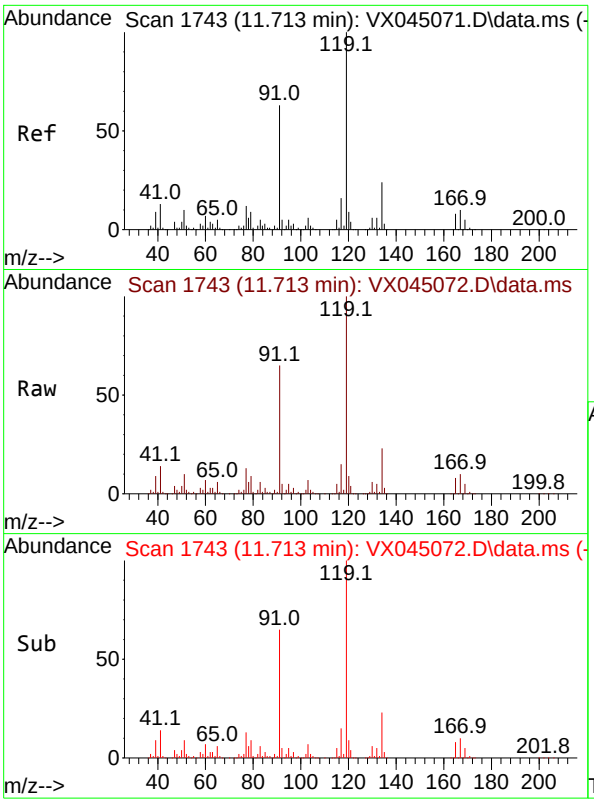


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



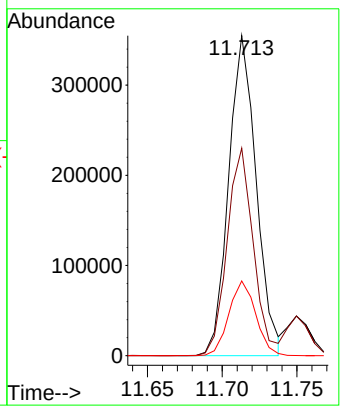


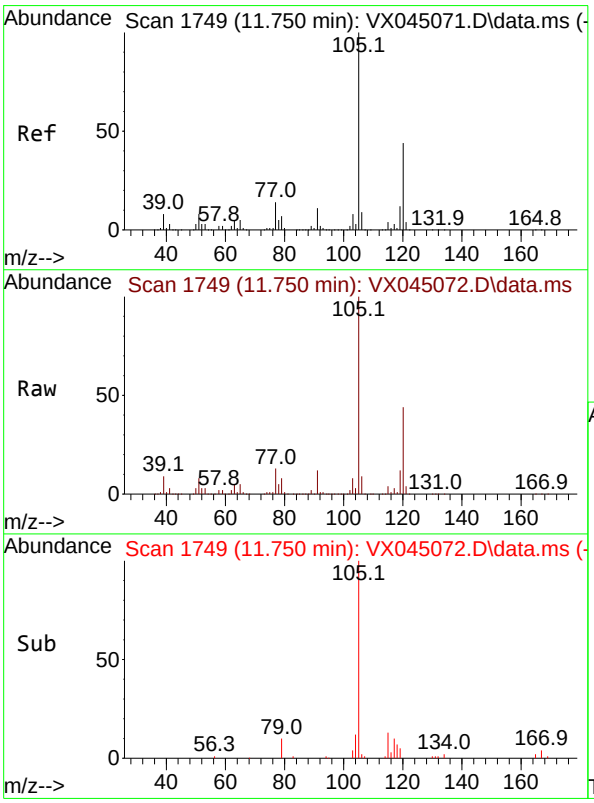
#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 454859

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0

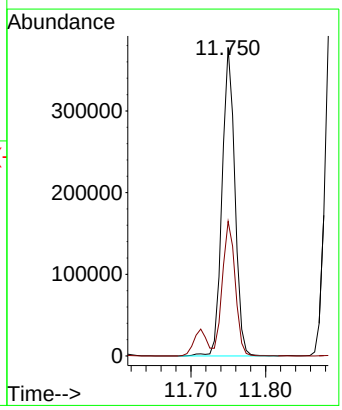


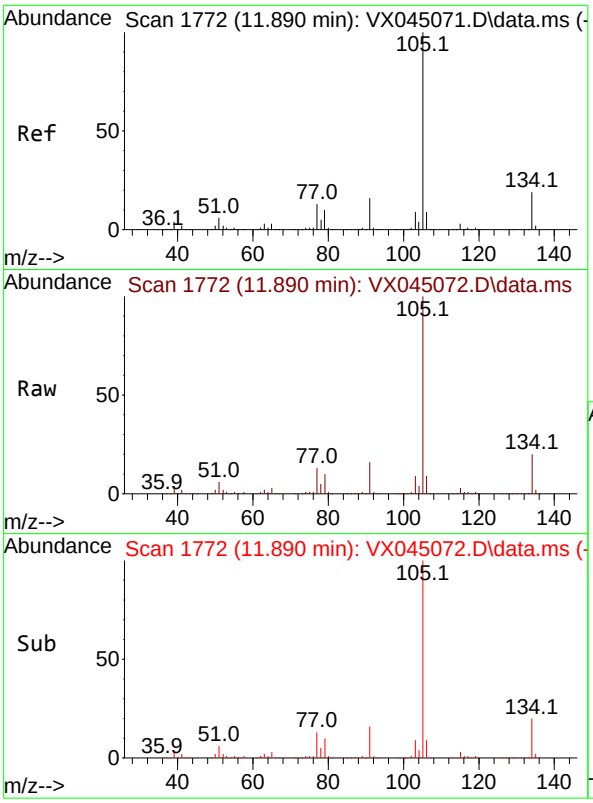


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



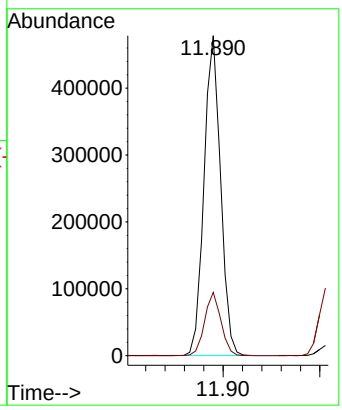


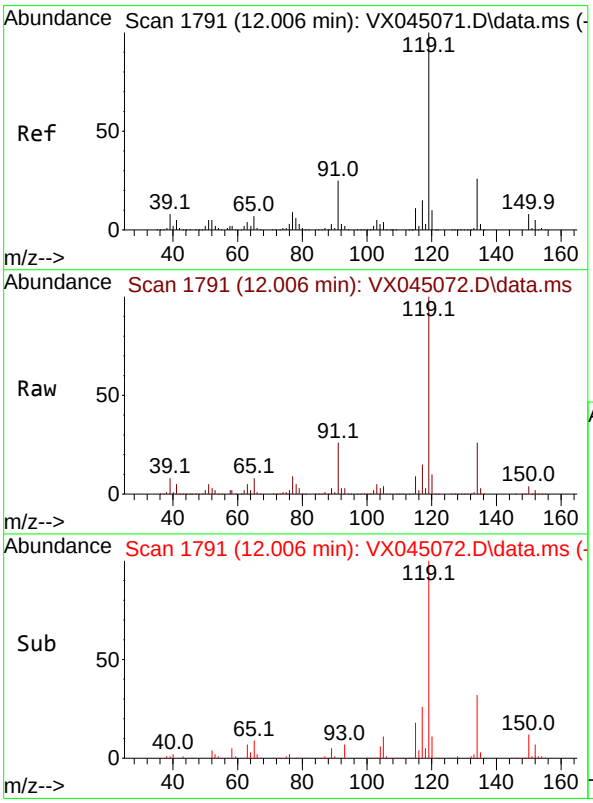
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570006

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

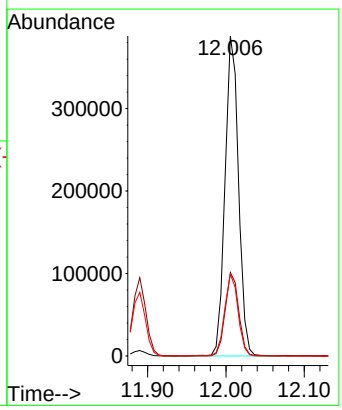


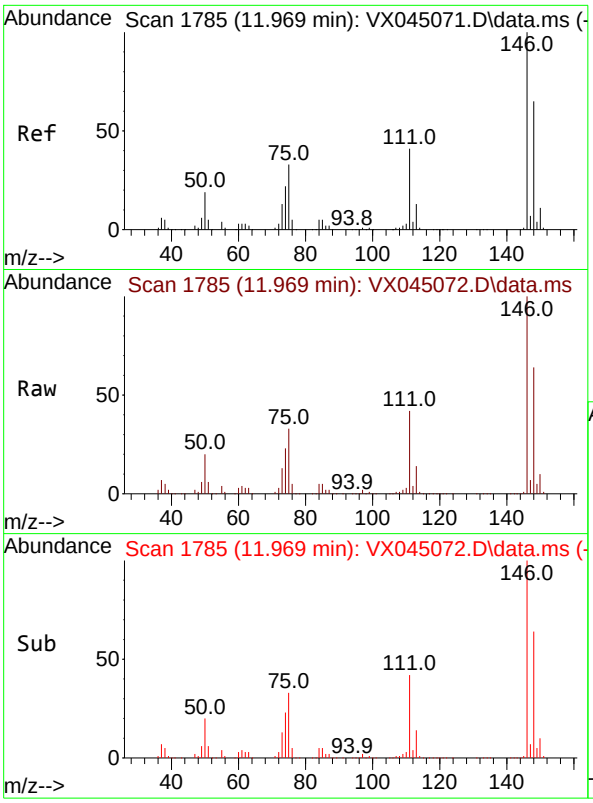


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0



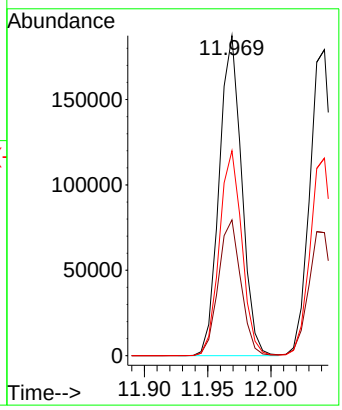


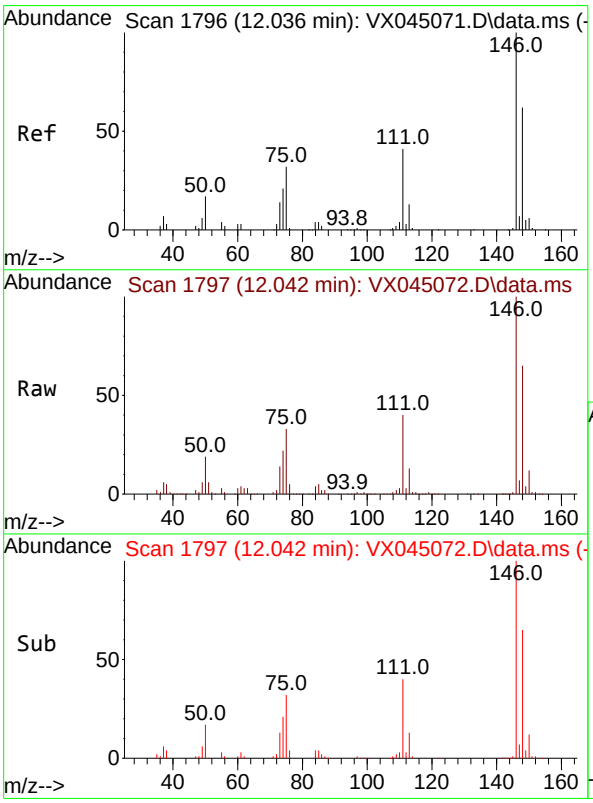
#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 231440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7

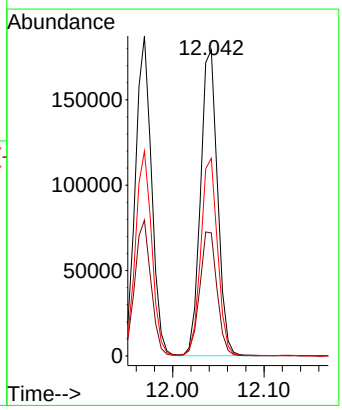


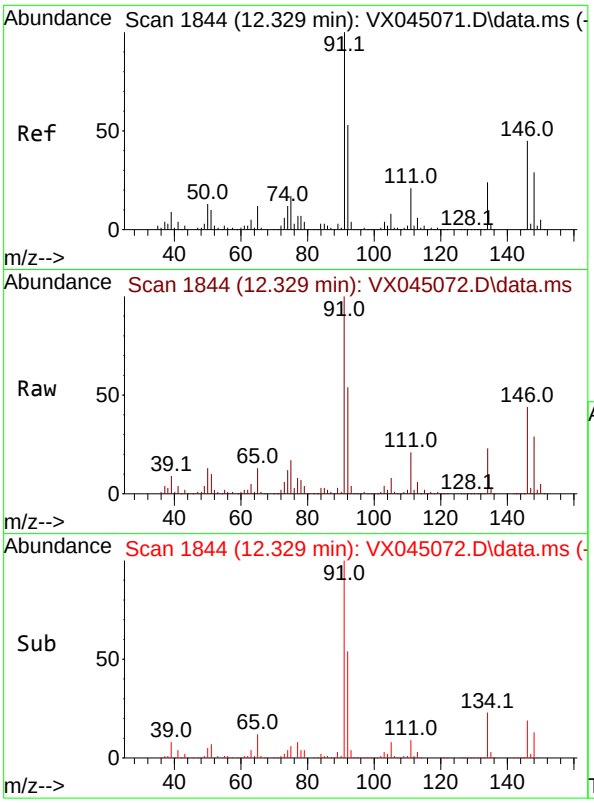


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9



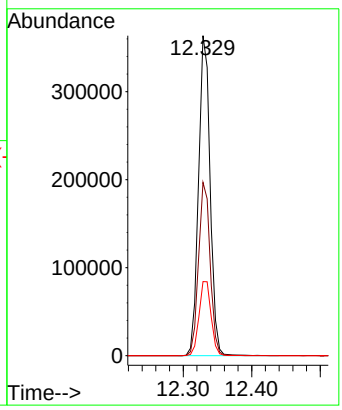


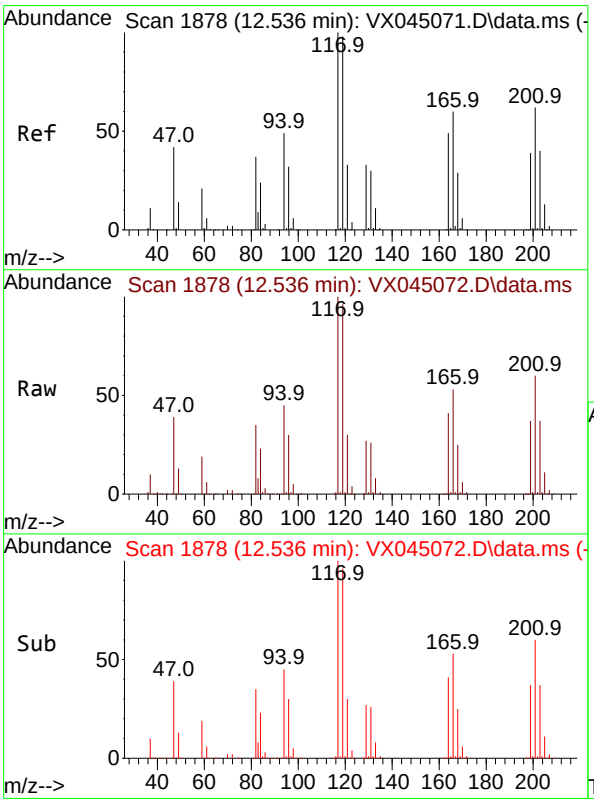
#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 428209

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6

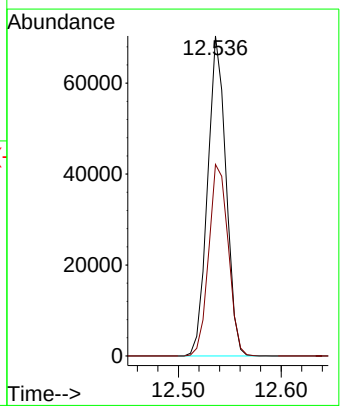


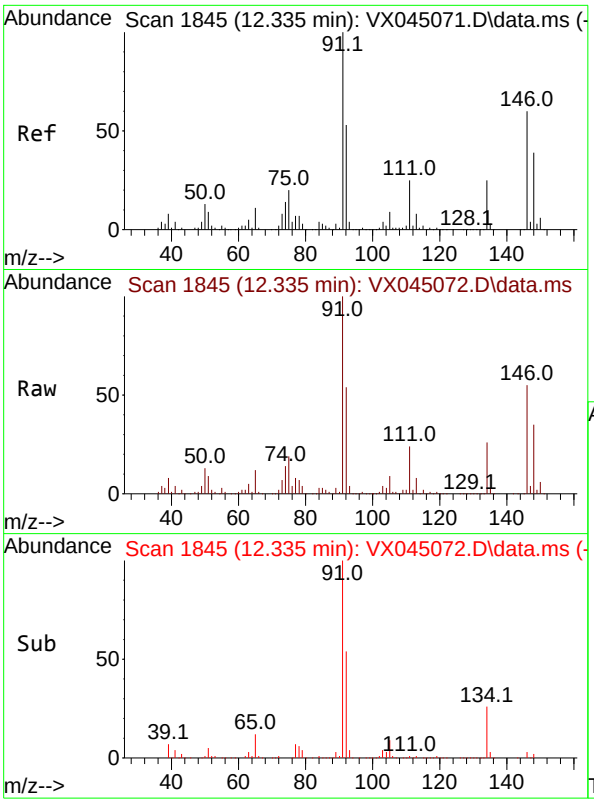


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



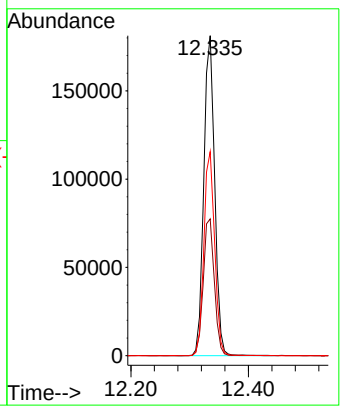


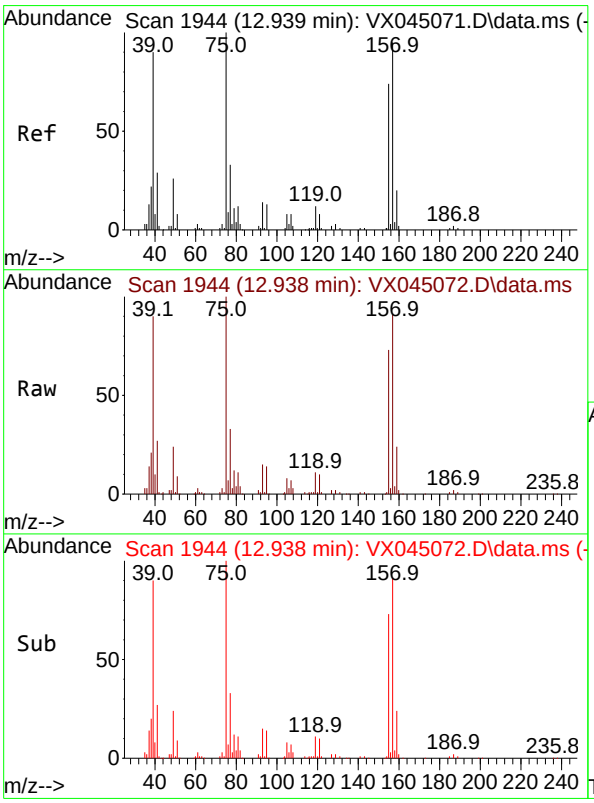
#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 233125

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9

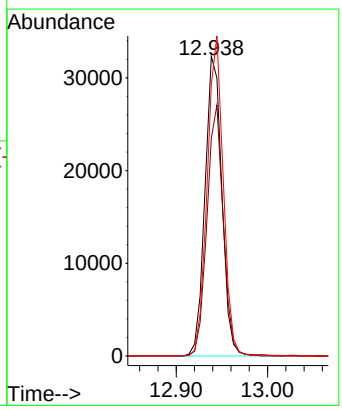


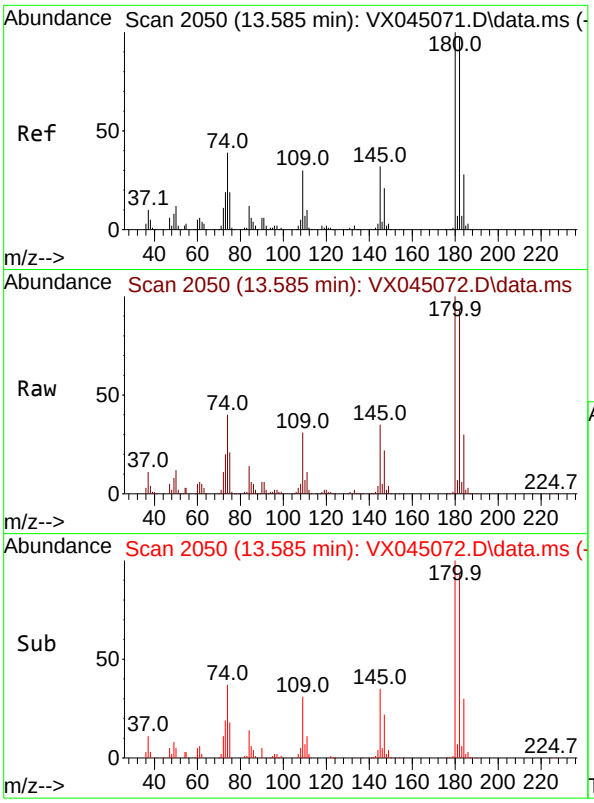


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4



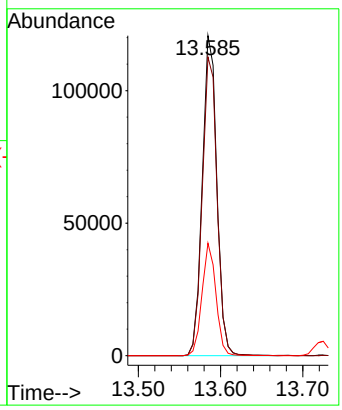


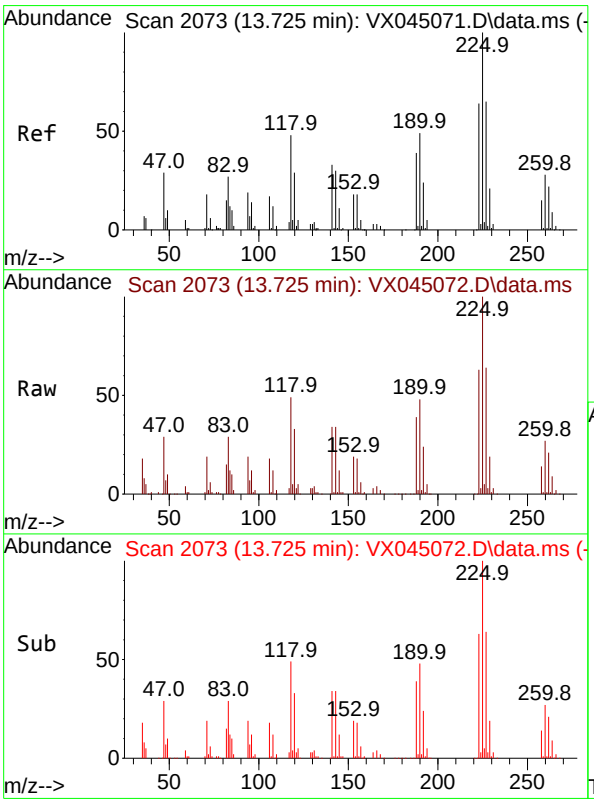
#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 148368

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9

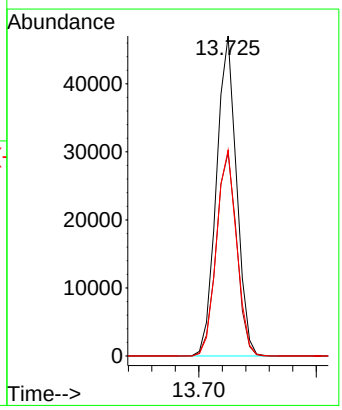


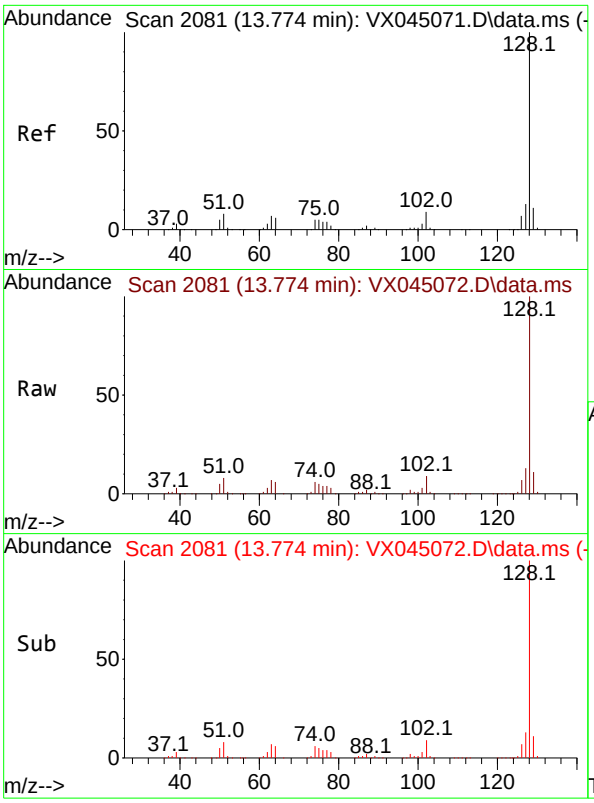


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0



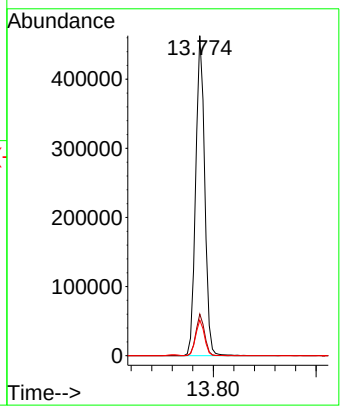


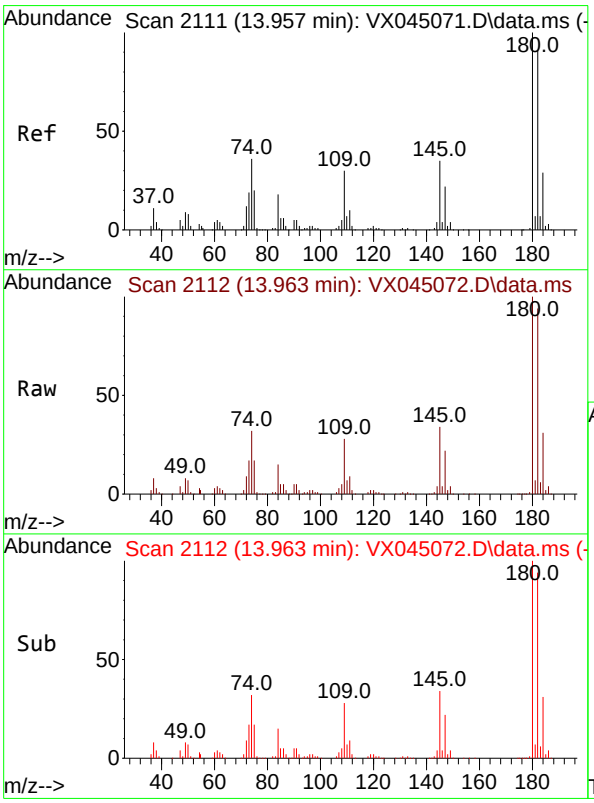
#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 565250

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

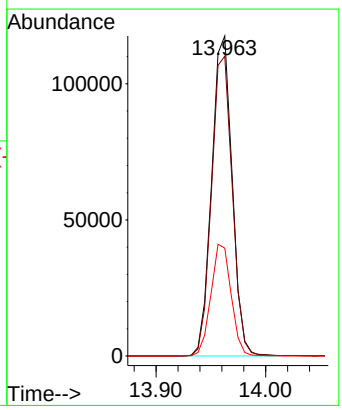




#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088 ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872 ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804 ug/l		99
44) Trichloroethene	7.123	130	178483	150.181 ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334 ug/l		100
46) Dibromomethane	7.580	93	142119	157.443 ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492 ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370 ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423 ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051 ug/l		99
52) Toluene	8.714	92	448664	145.321 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373 ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117 ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046 ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631 ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019 ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492 ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276 ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074 ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906 ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845 ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191 ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655 ug/l		97
69) o-Xylene	10.640	106	302495	143.259 ug/l		99
70) Styrene	10.653	104	512379	150.979 ug/l		99
71) Bromoform	10.799	173	135388	174.808 ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719 ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	303633	201.103 ug/l		86
77) Bromobenzene	11.195	156	180997	145.760 ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395 ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761 ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464 ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135 ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383 ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488 ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189 ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324 ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416 ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034 ug/l		99
95) Naphthalene	13.774	128	828949	168.538 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

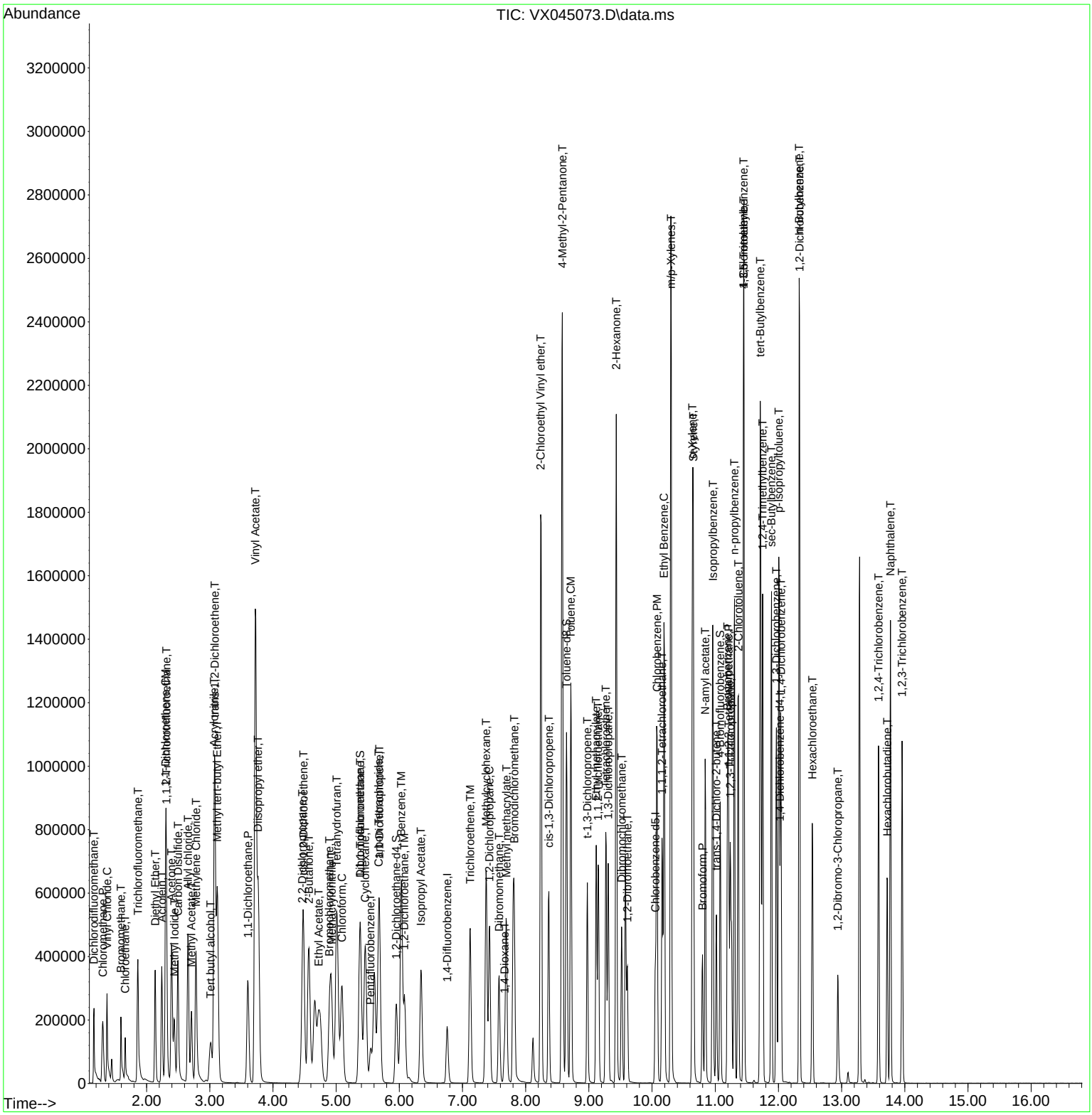
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

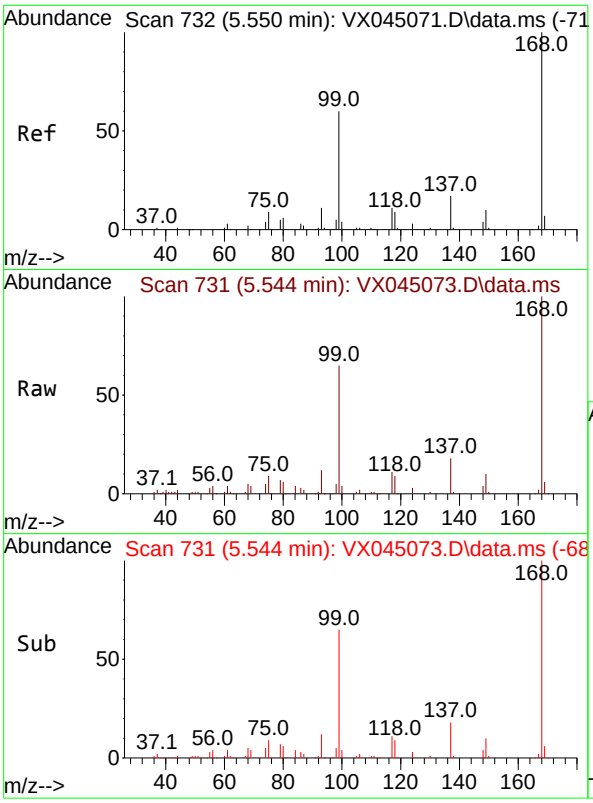
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



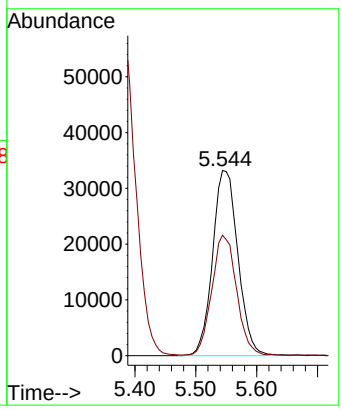


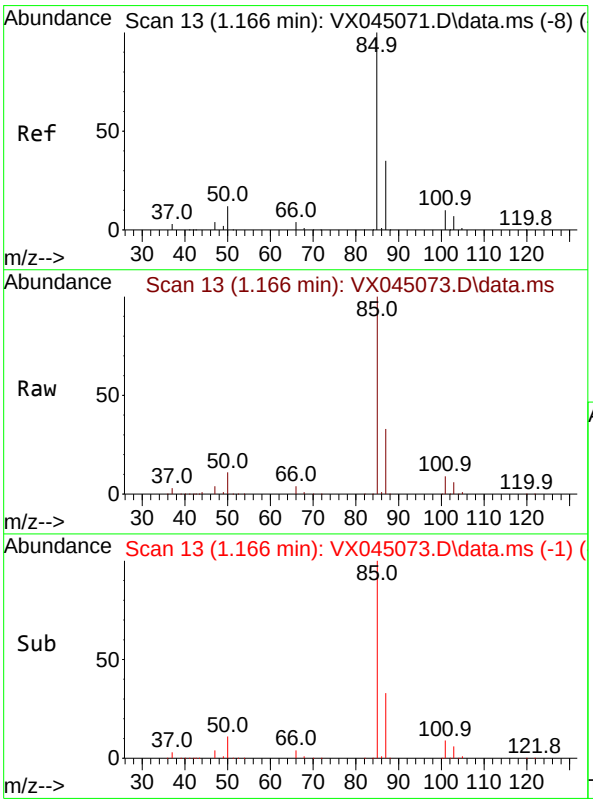
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

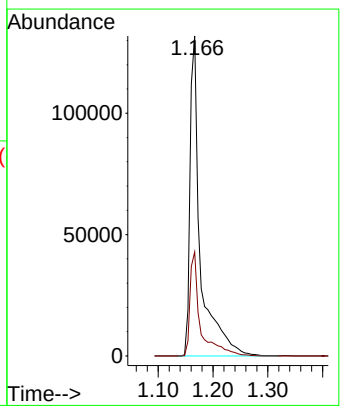


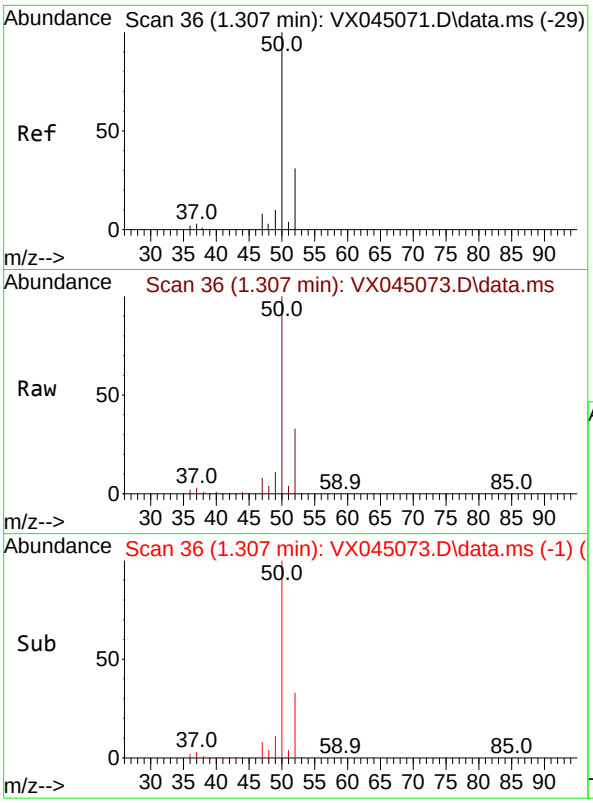


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



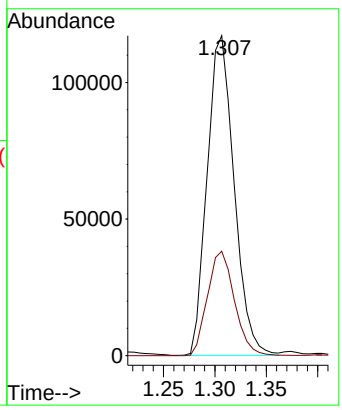


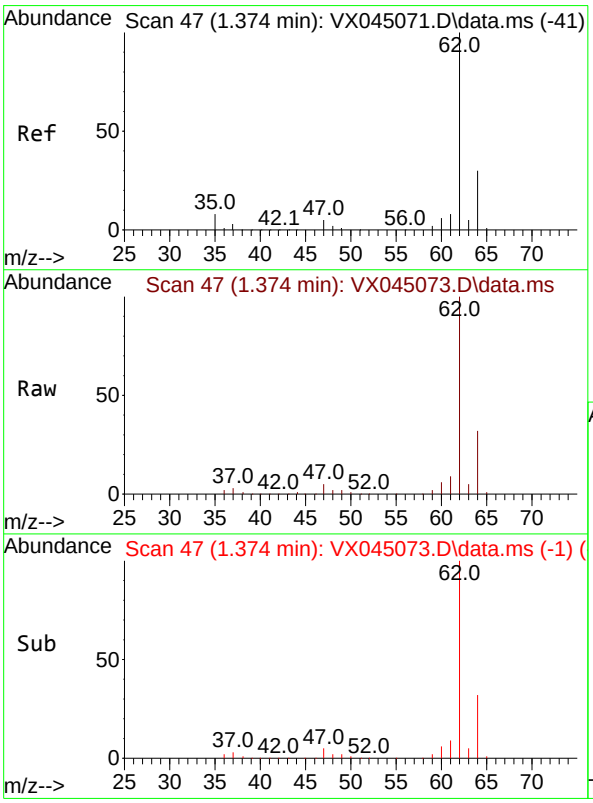
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

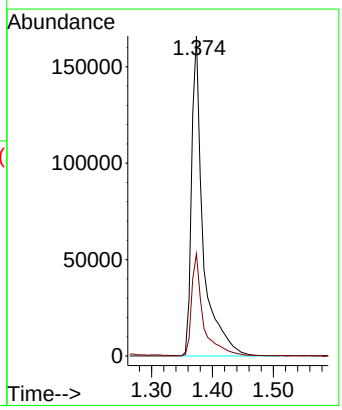


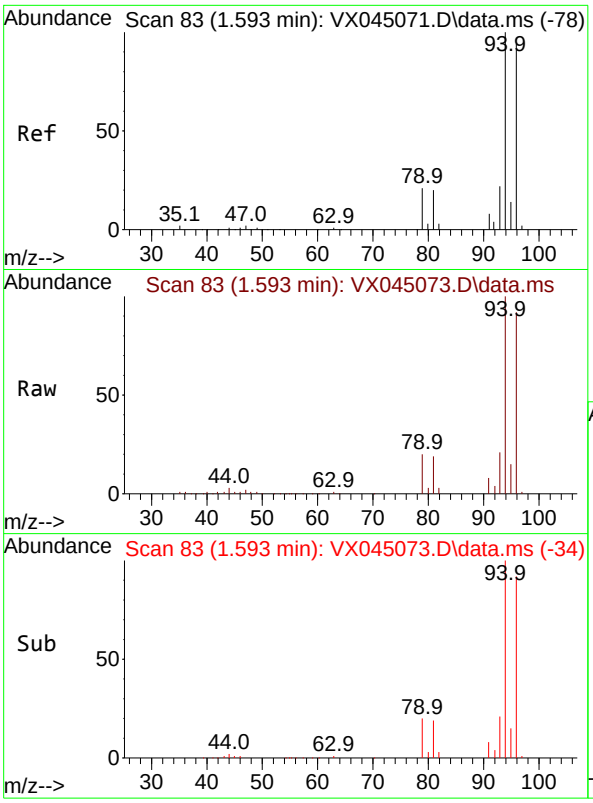


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5



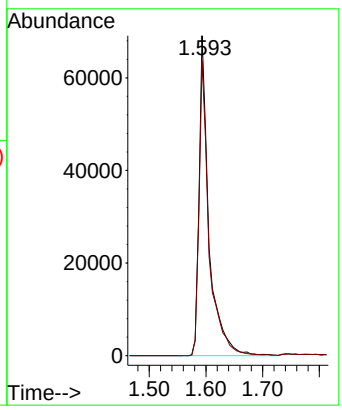


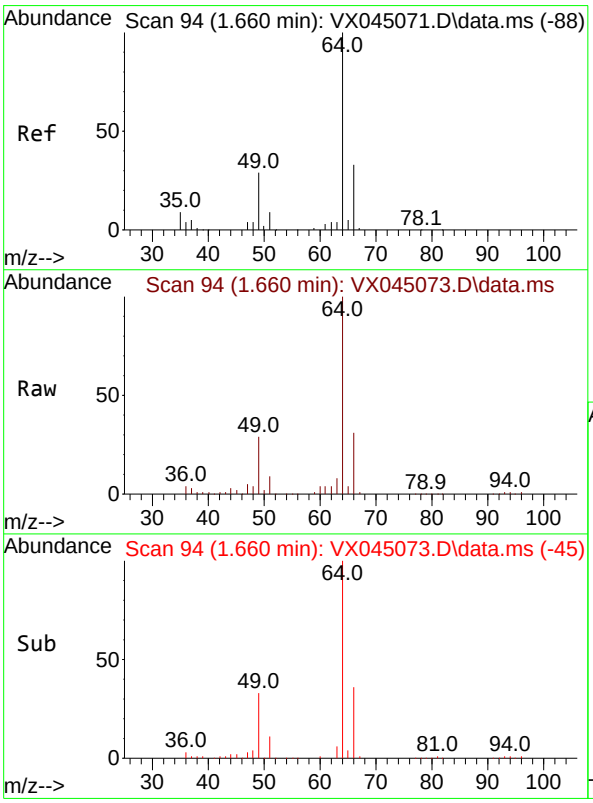
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83547

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

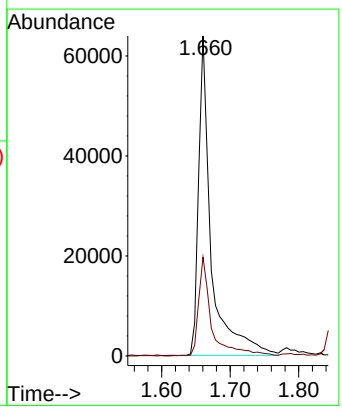


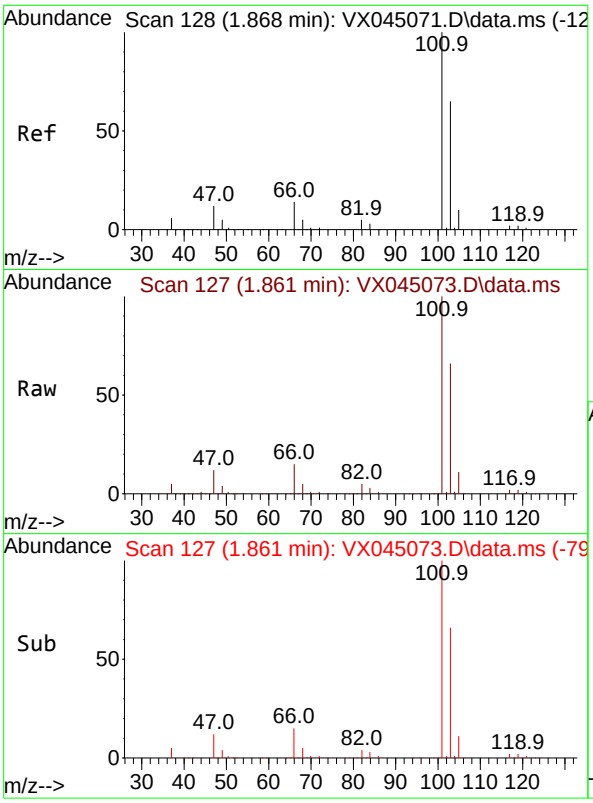


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1



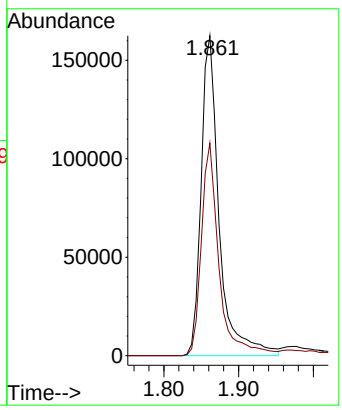


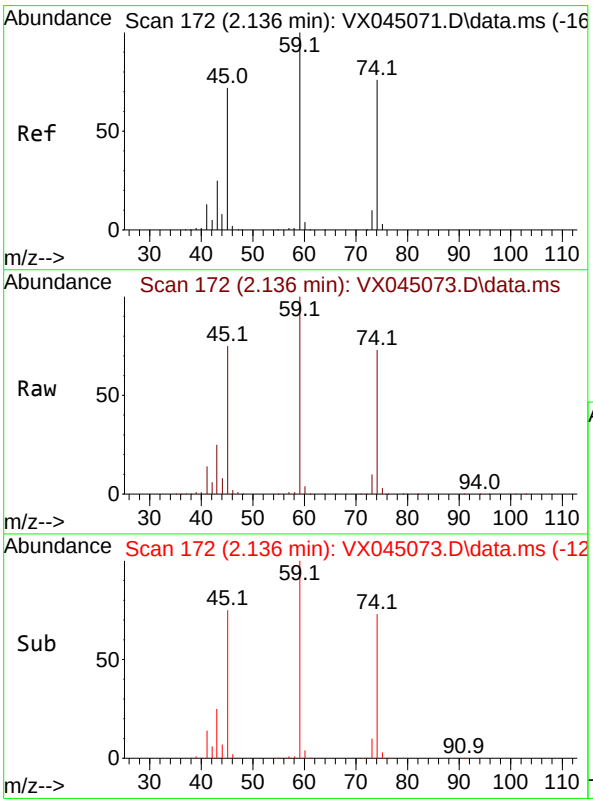
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 272235

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

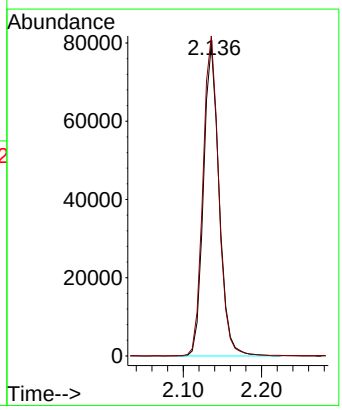


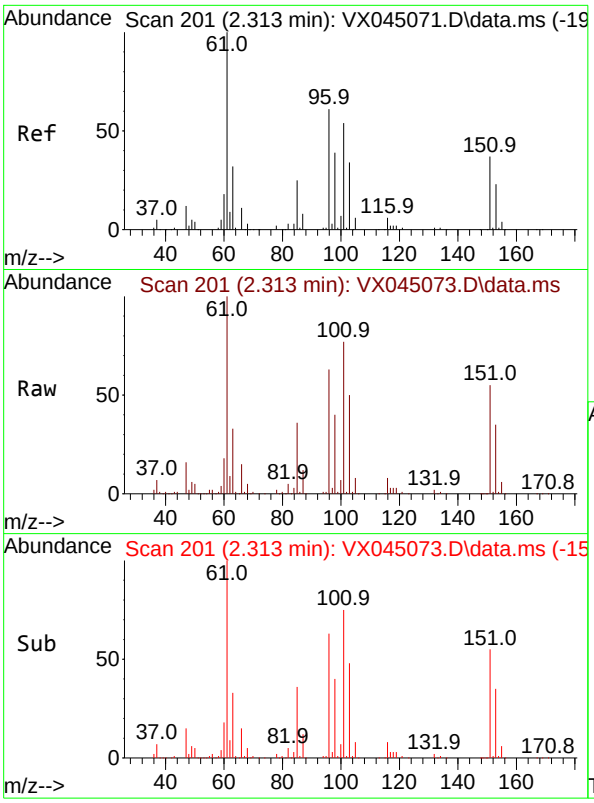


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5



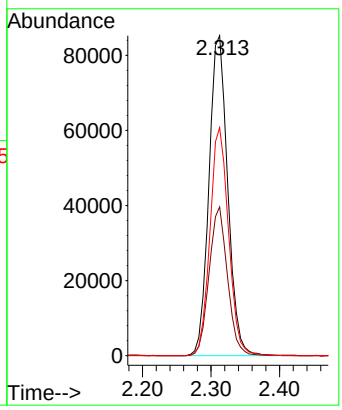


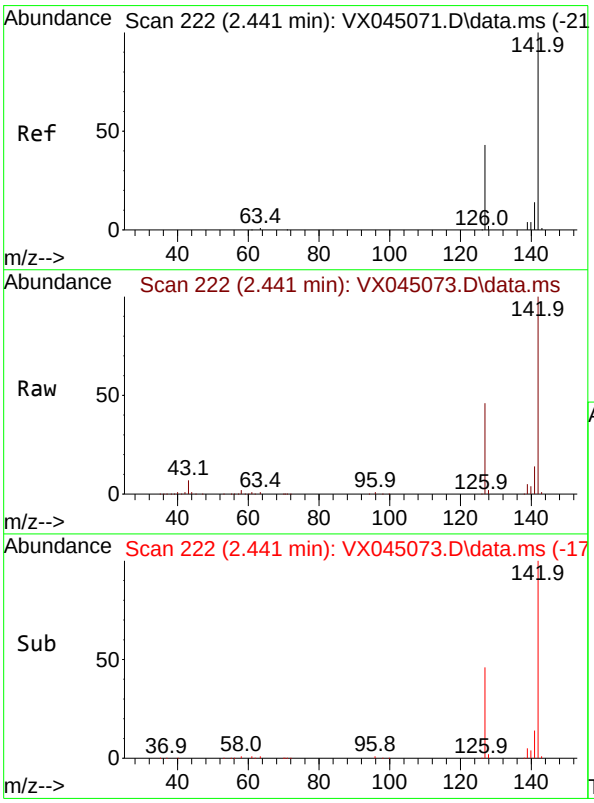
#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 161825

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

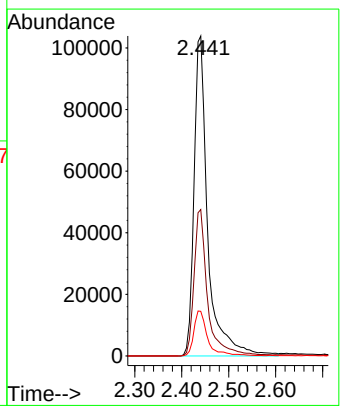


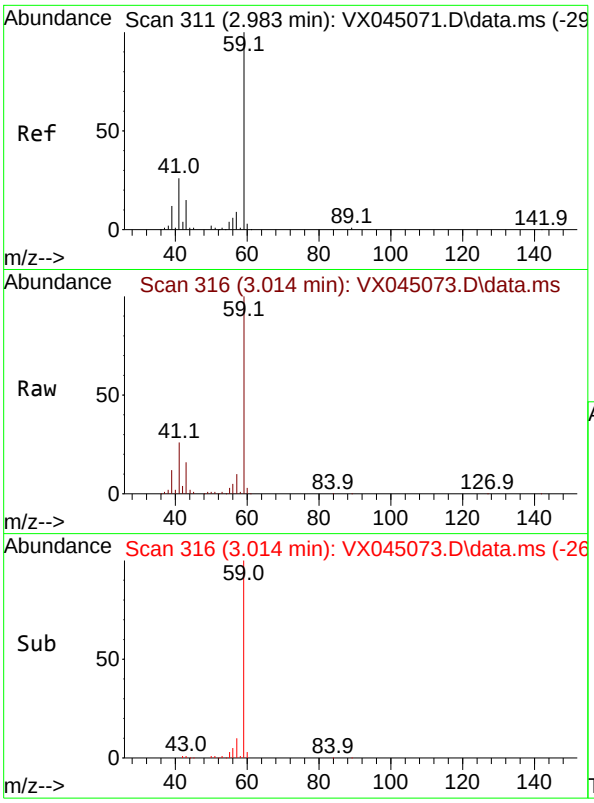


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4



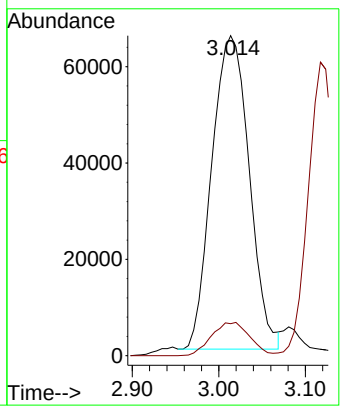


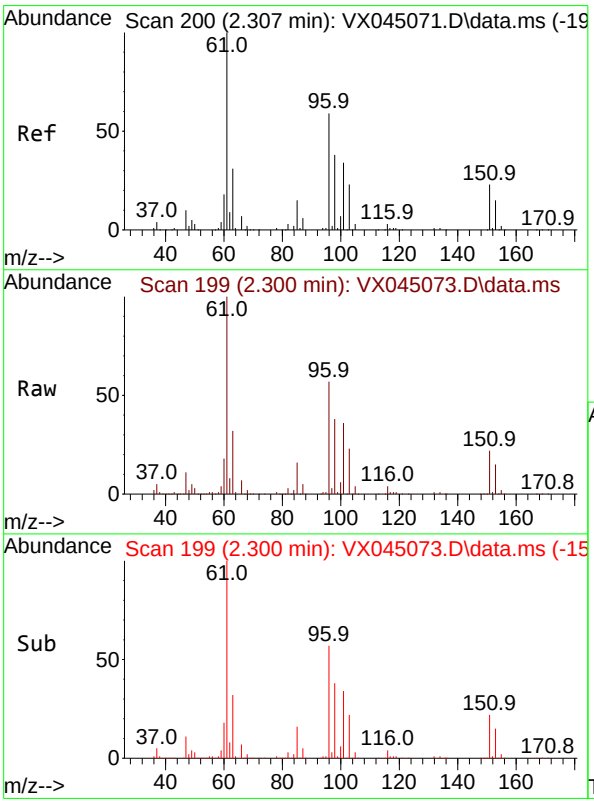
#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 195415

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

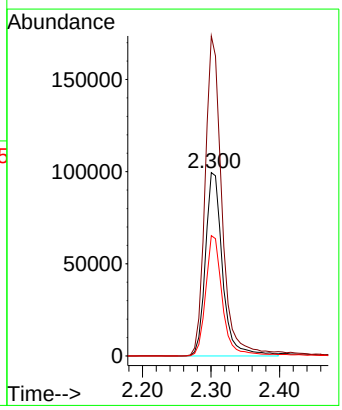


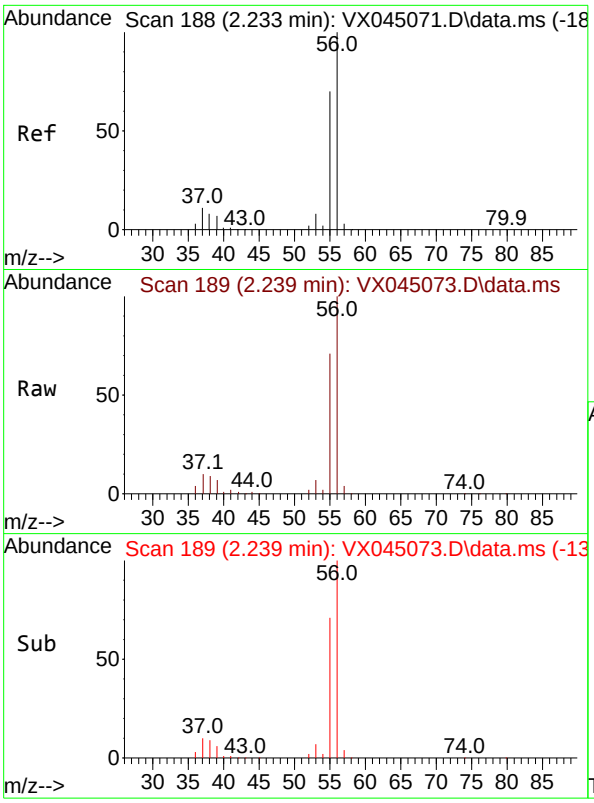


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6



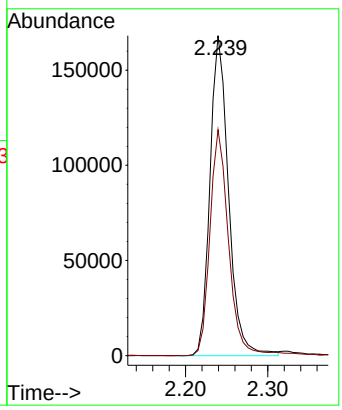


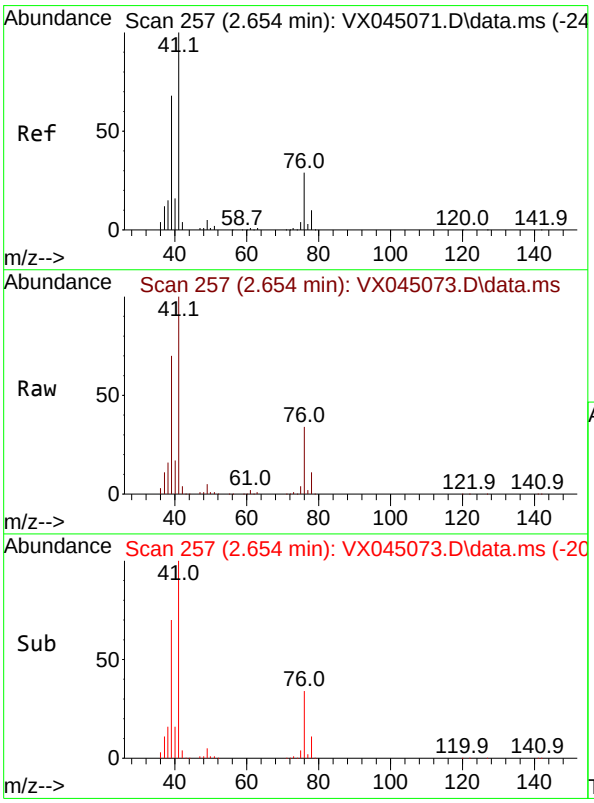
#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 263999

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

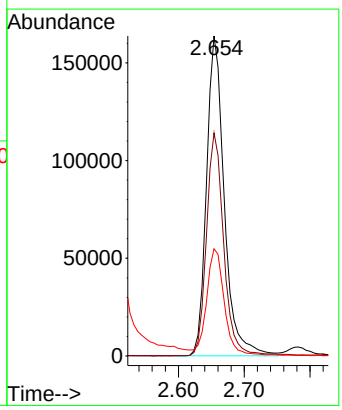


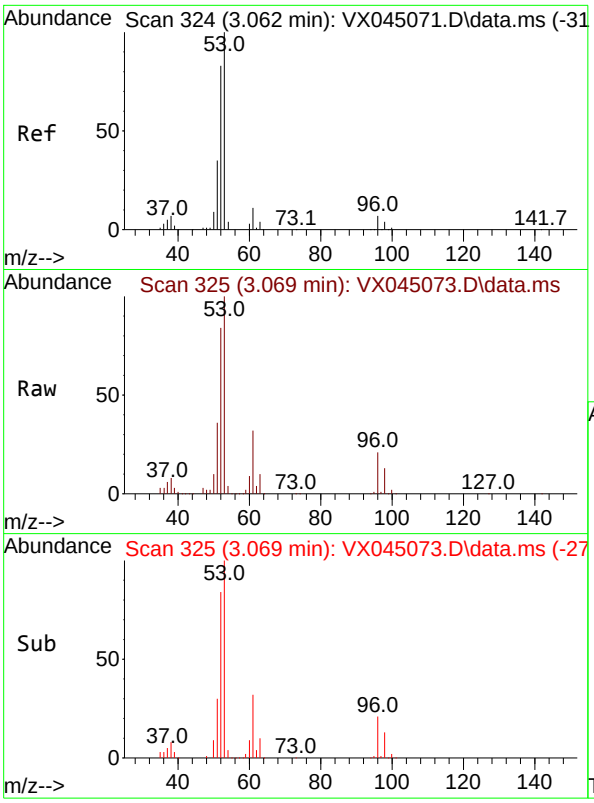


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8



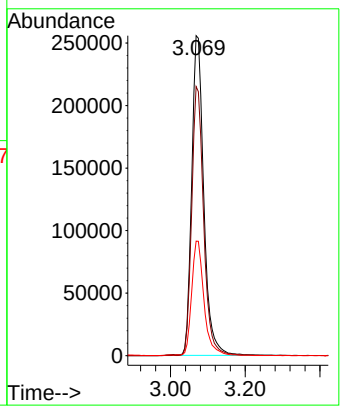


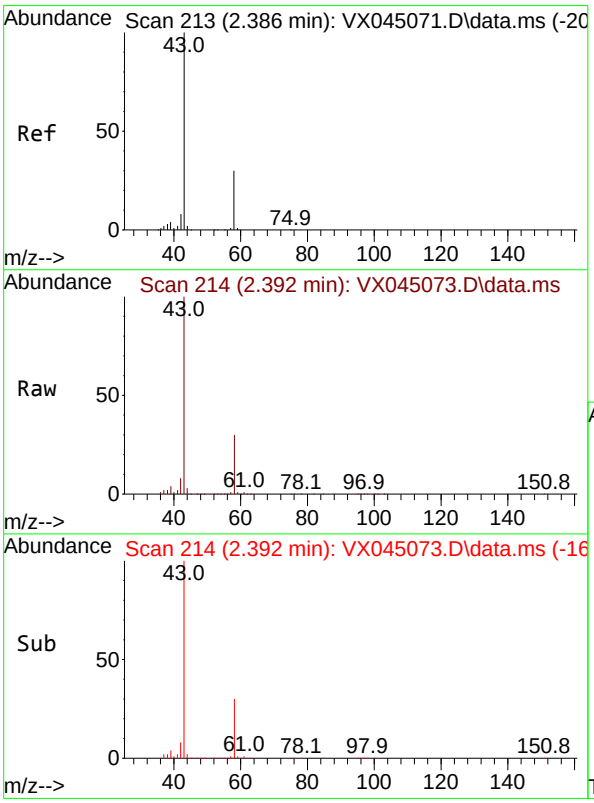
#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 573208

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4

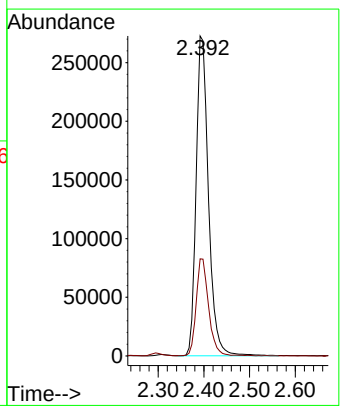


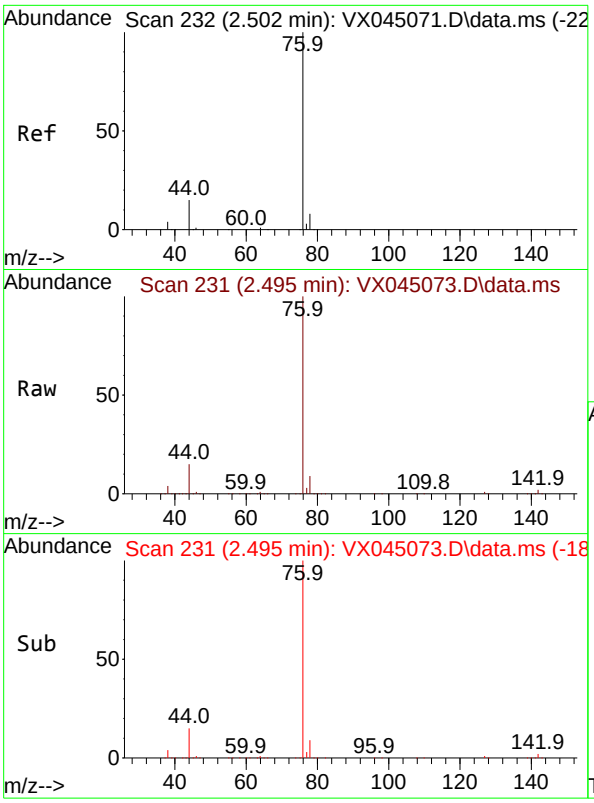


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



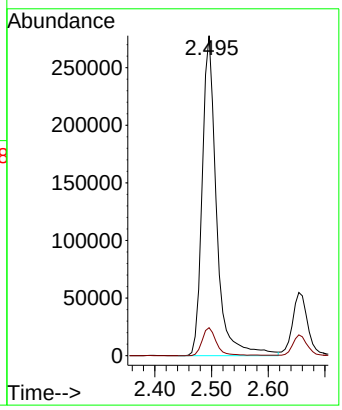


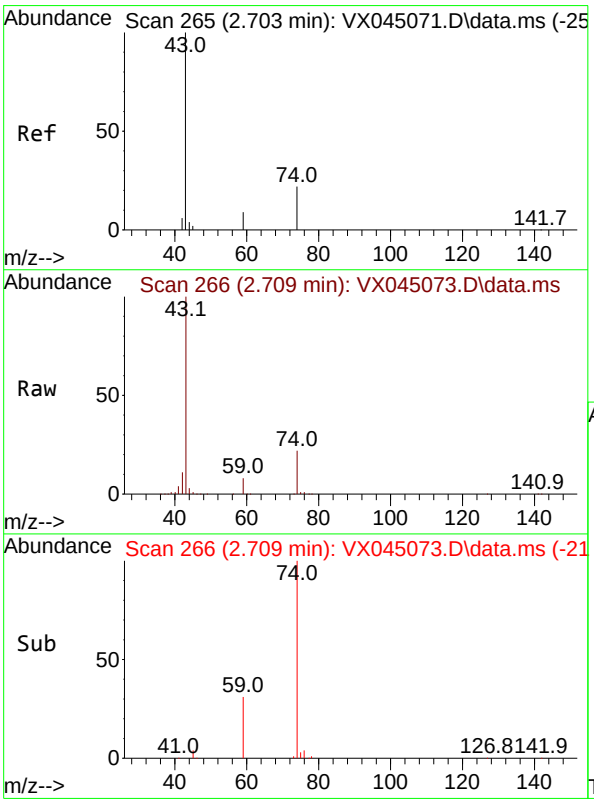
#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 487720

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

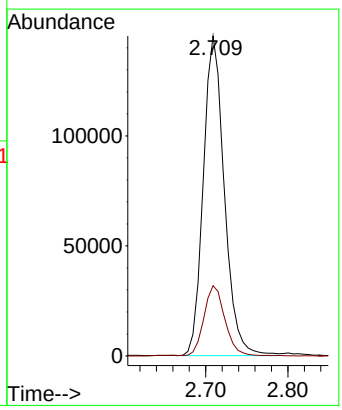


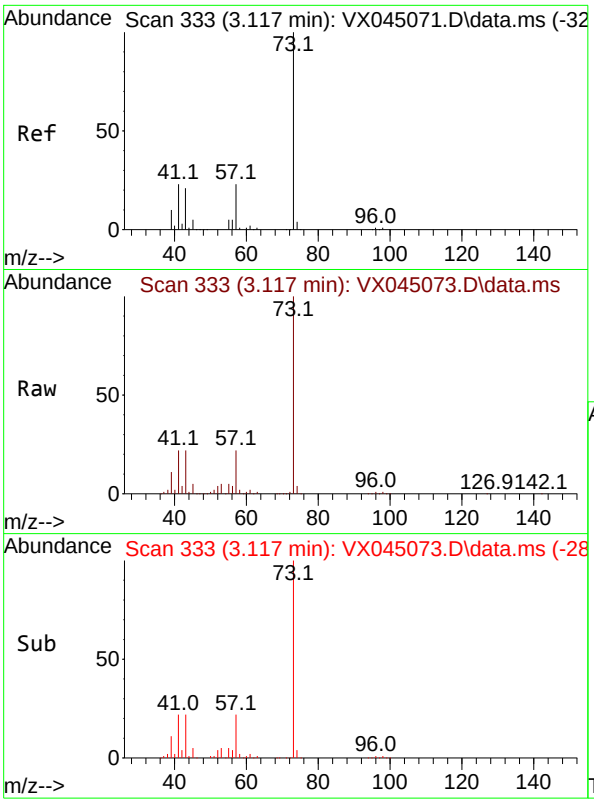


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



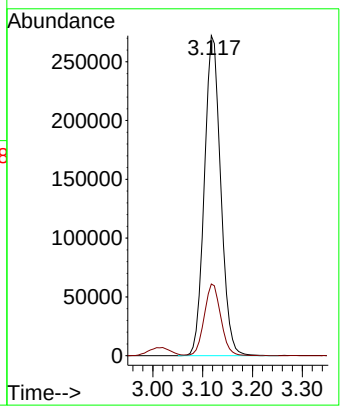


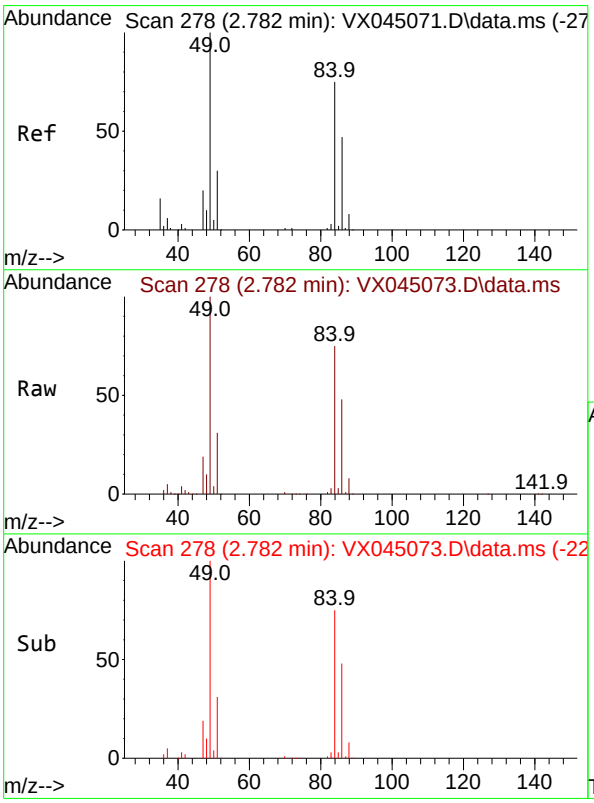
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 619778

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

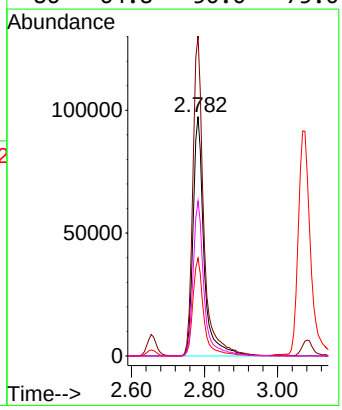


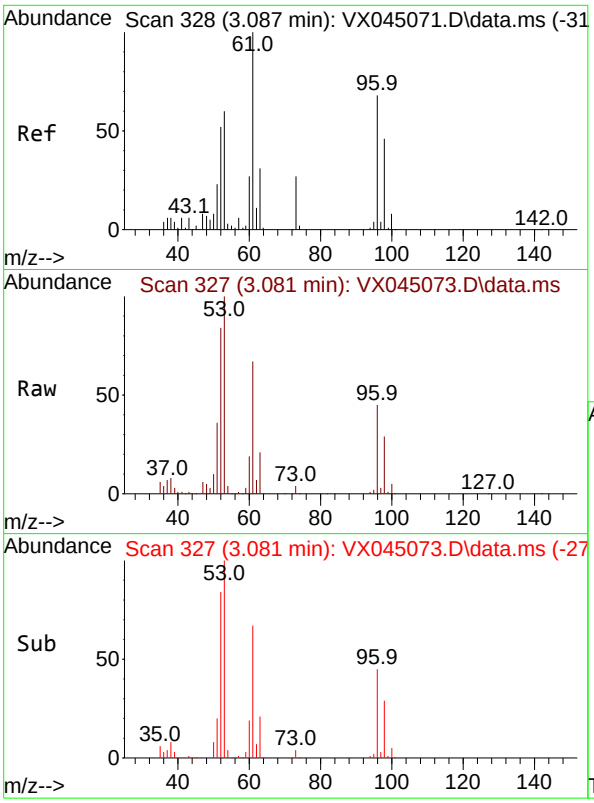


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0



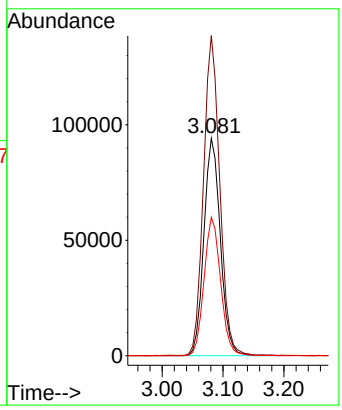


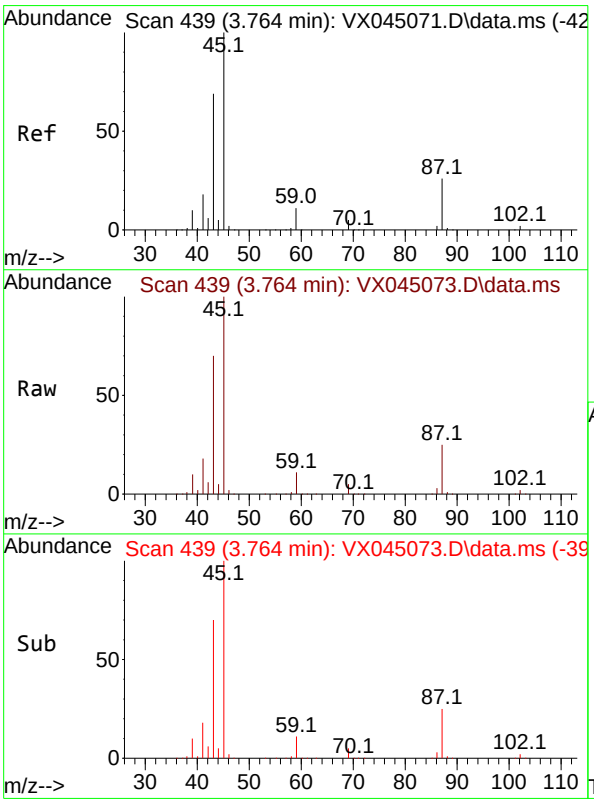
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 176924

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2

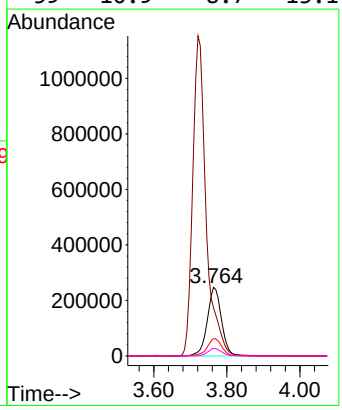


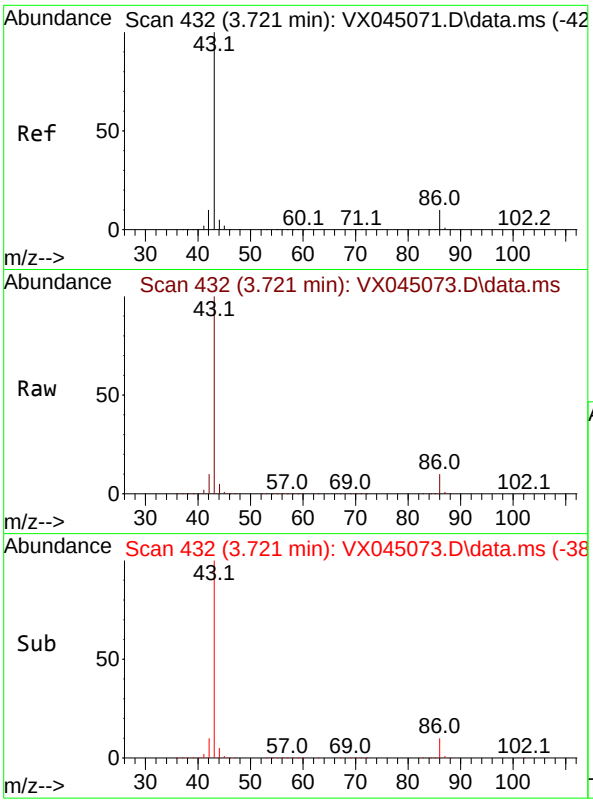


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1



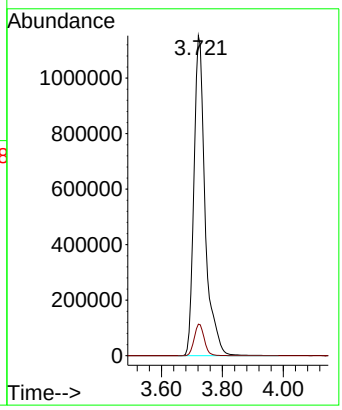


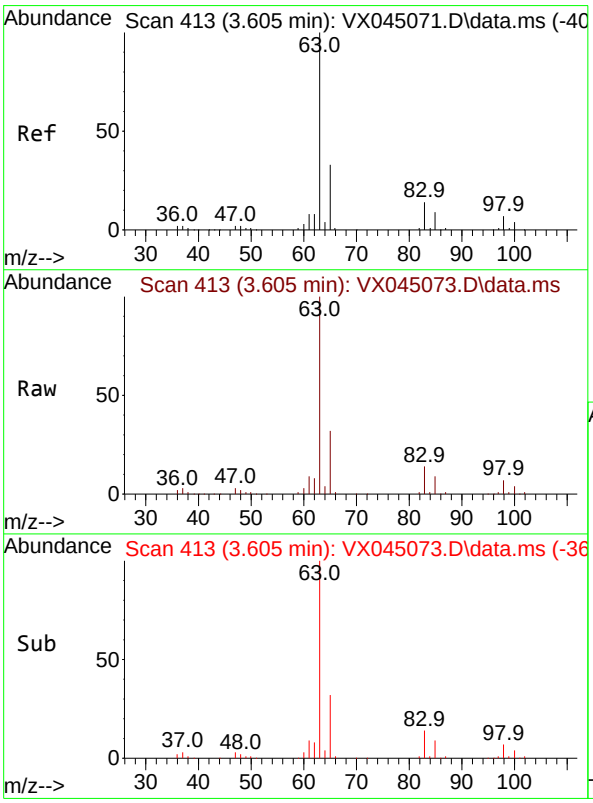
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

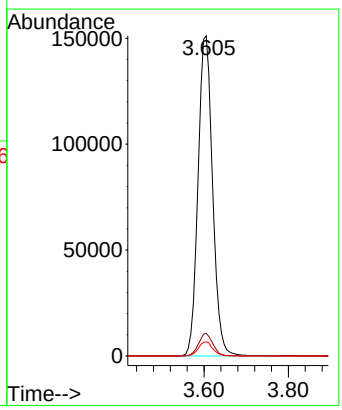


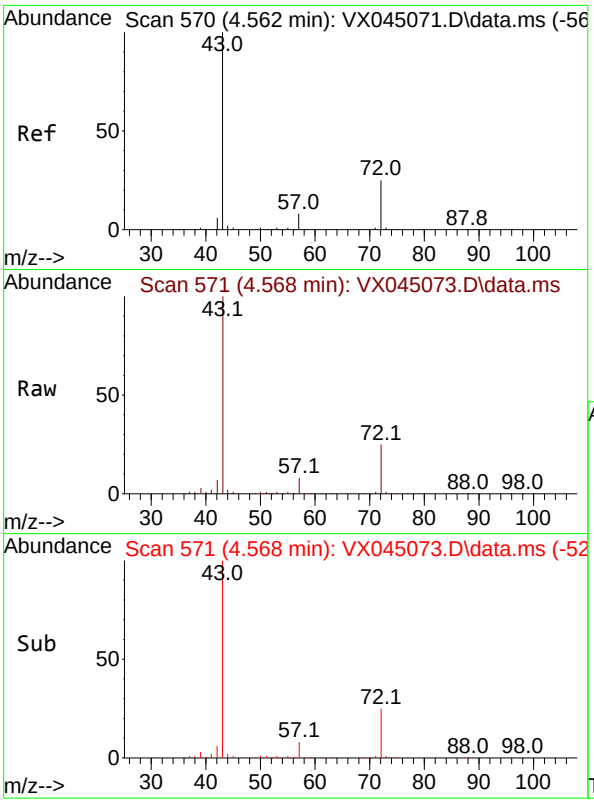


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5



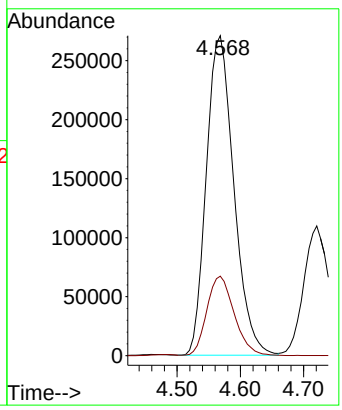


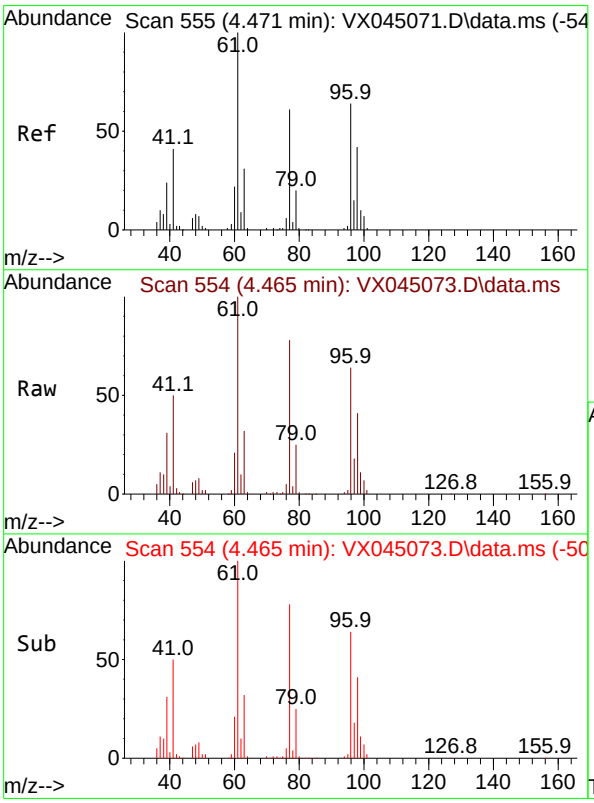
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 818497

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

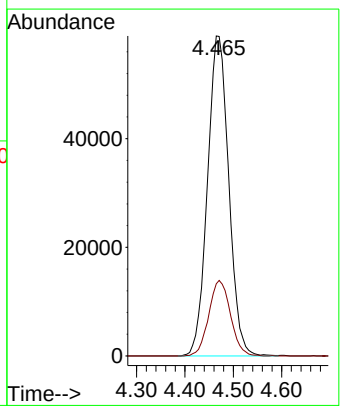


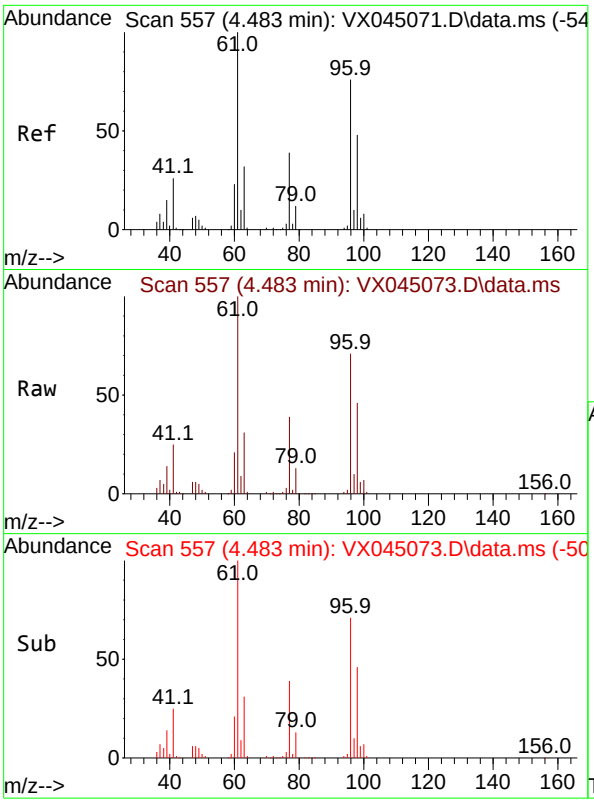


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0



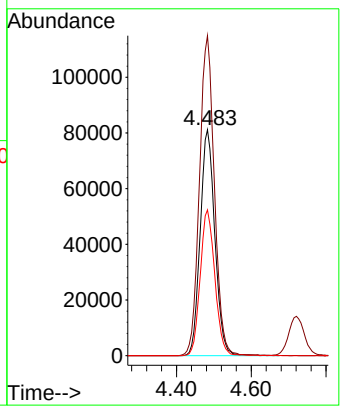


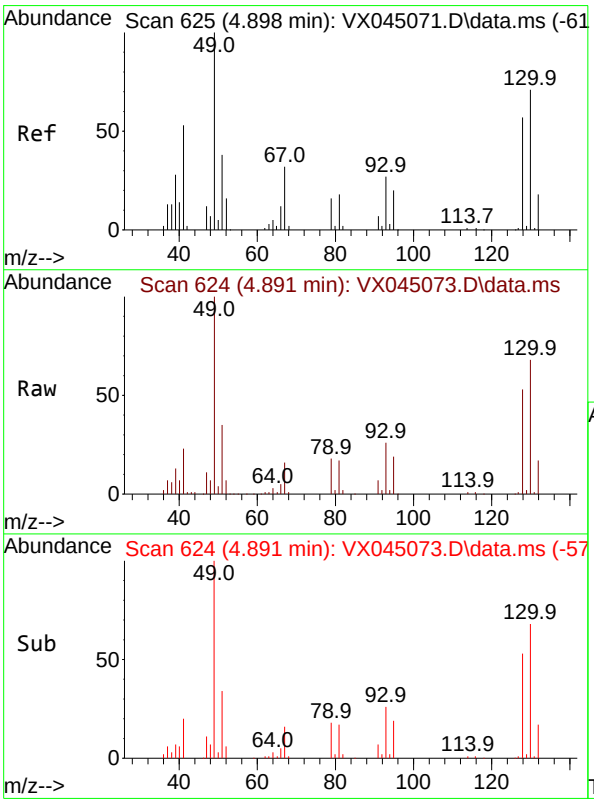
#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 220826

Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0

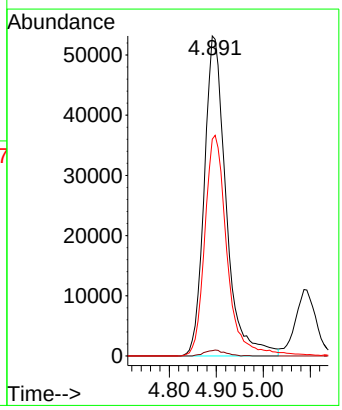


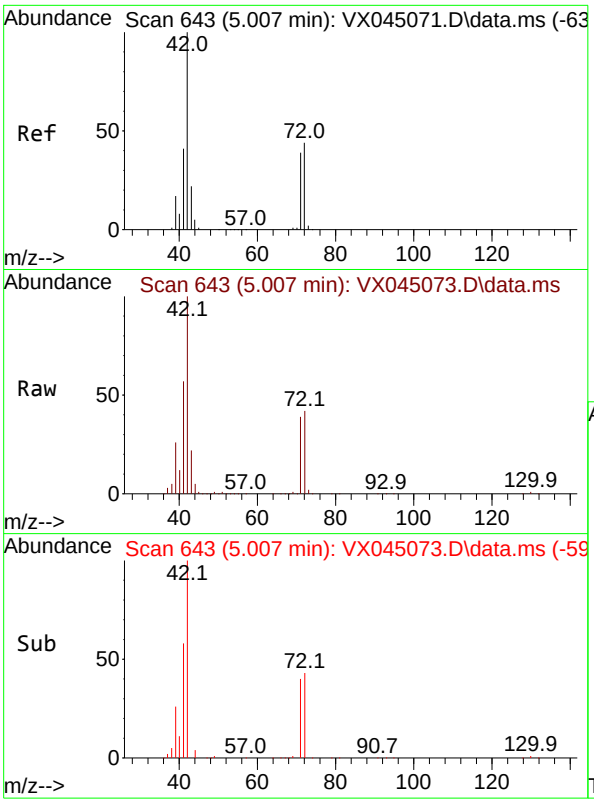


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1



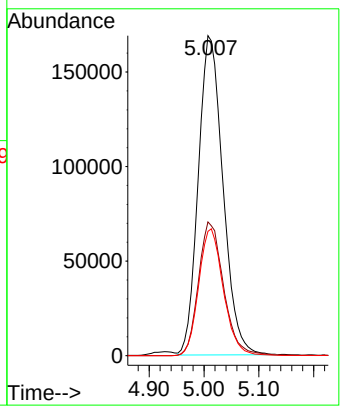


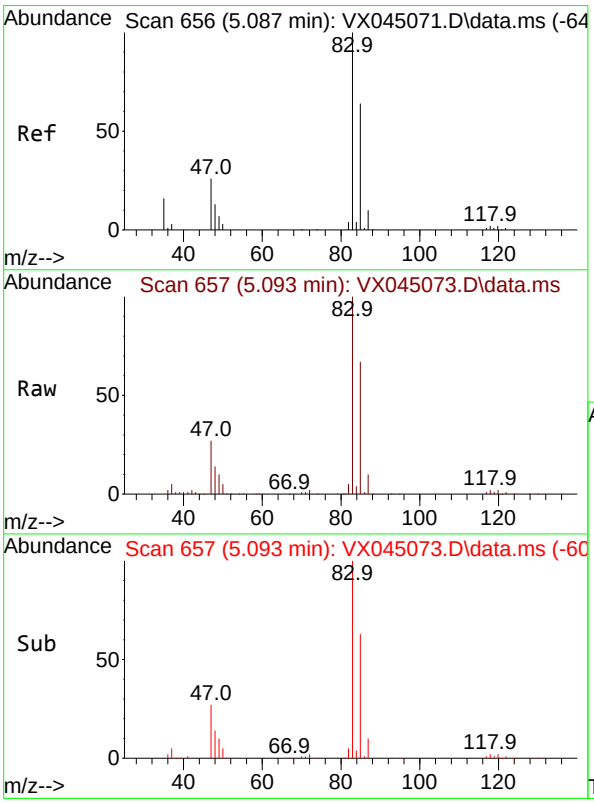
#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 528574

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

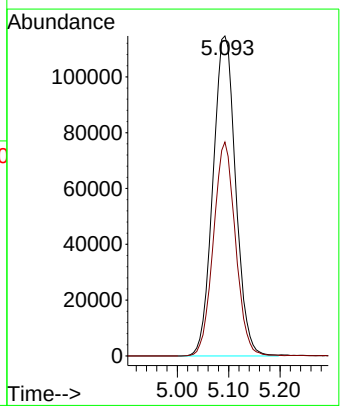


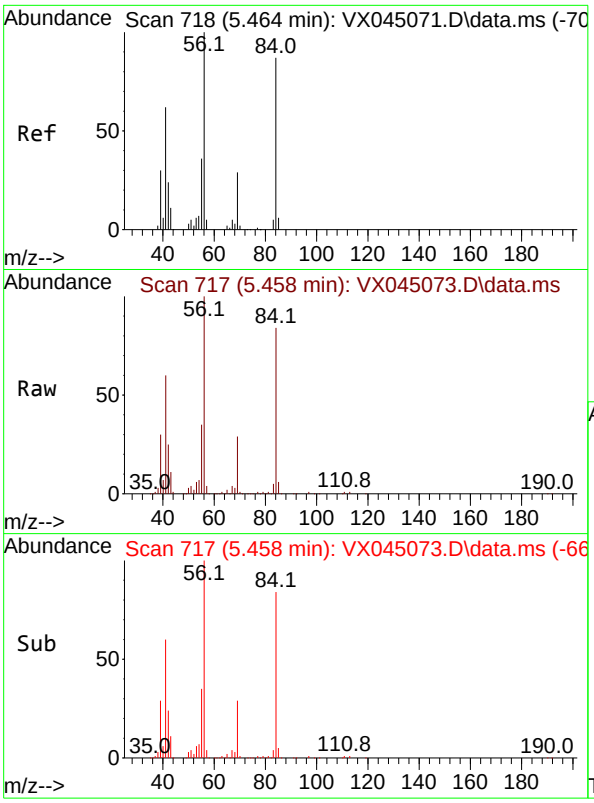


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



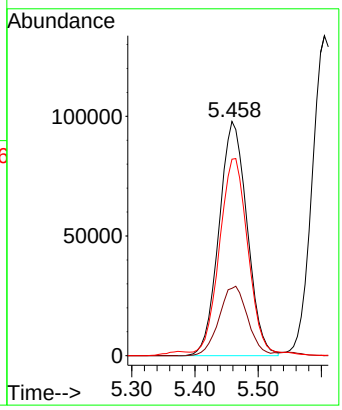


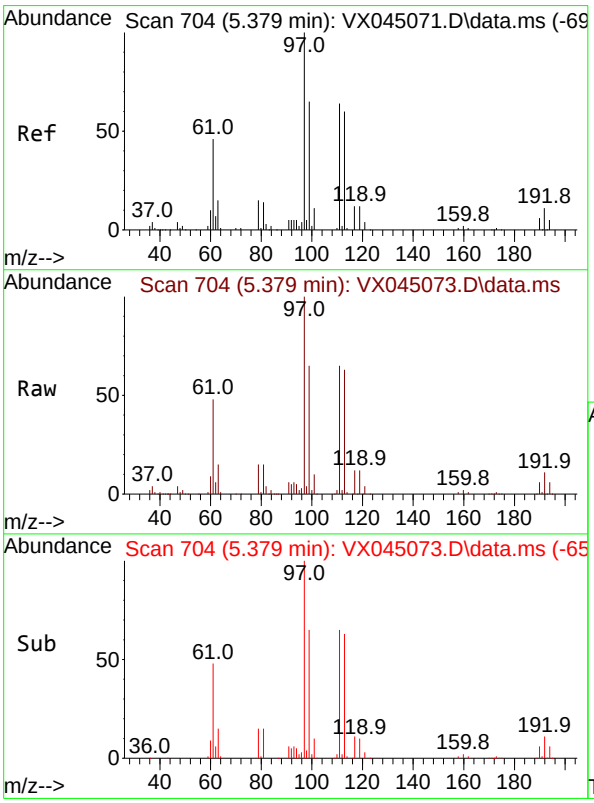
#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 302215

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2

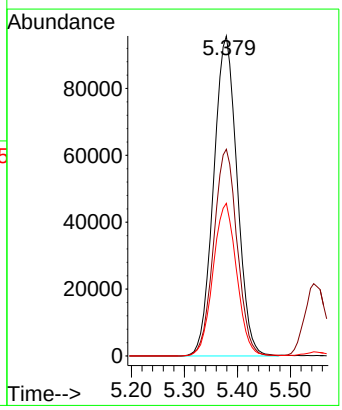


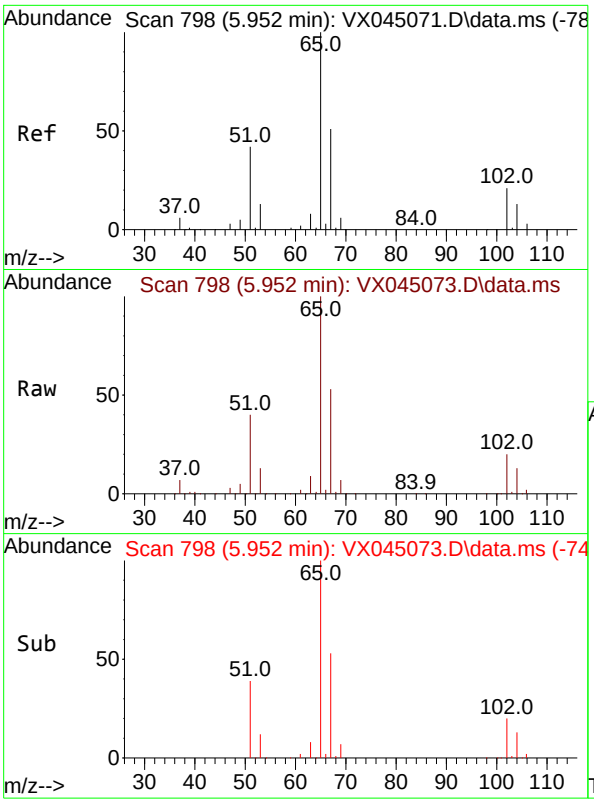


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6



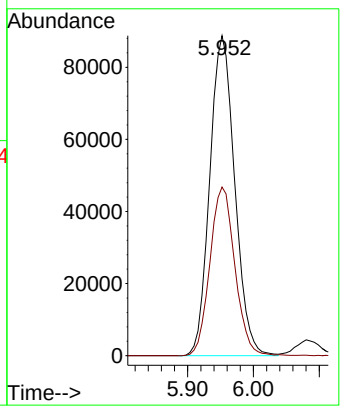


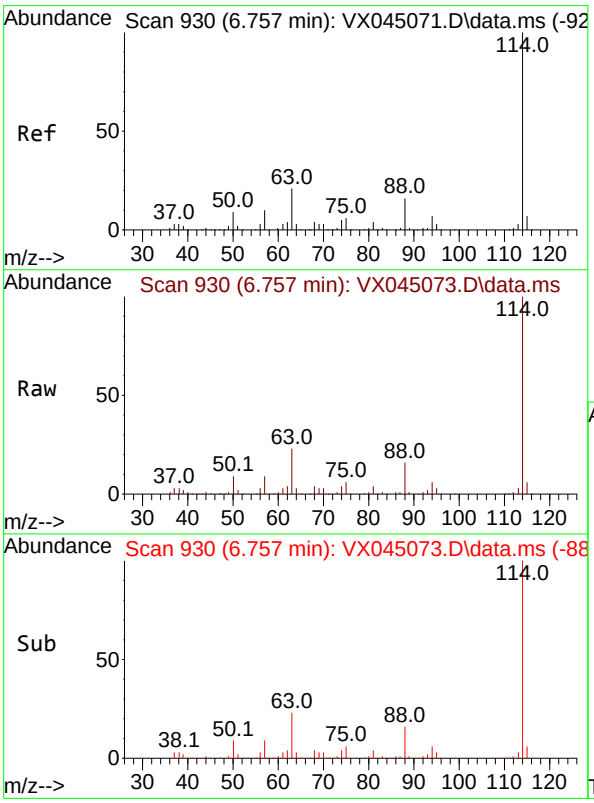
#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

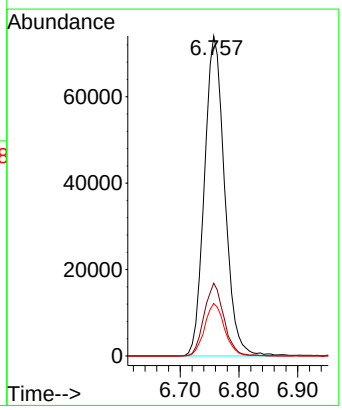


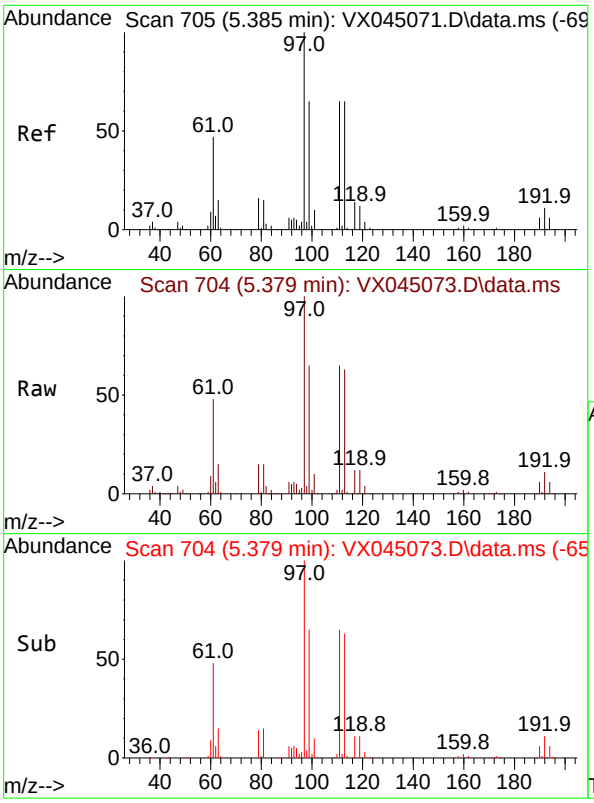


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8



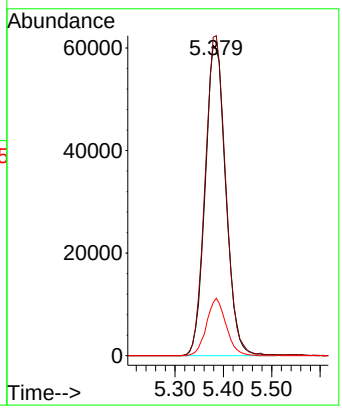


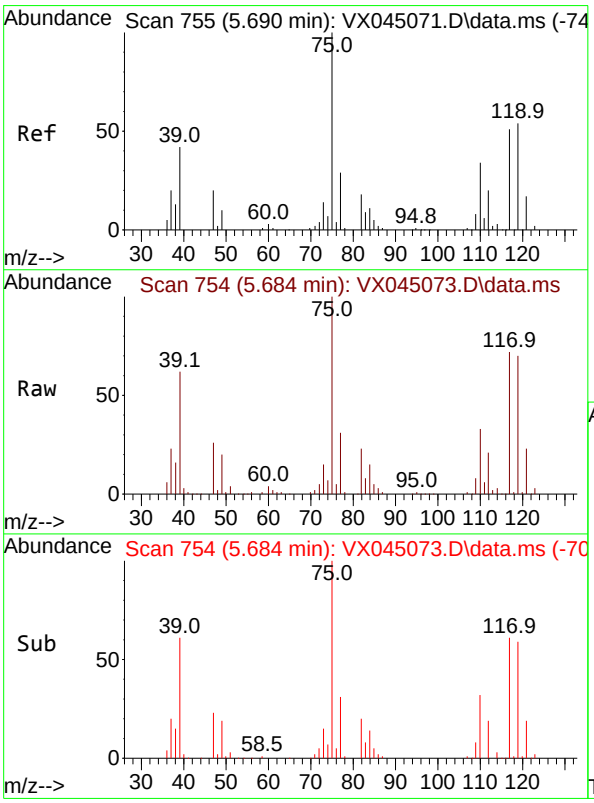
#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 179722

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5

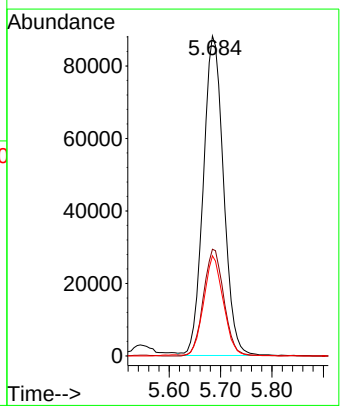


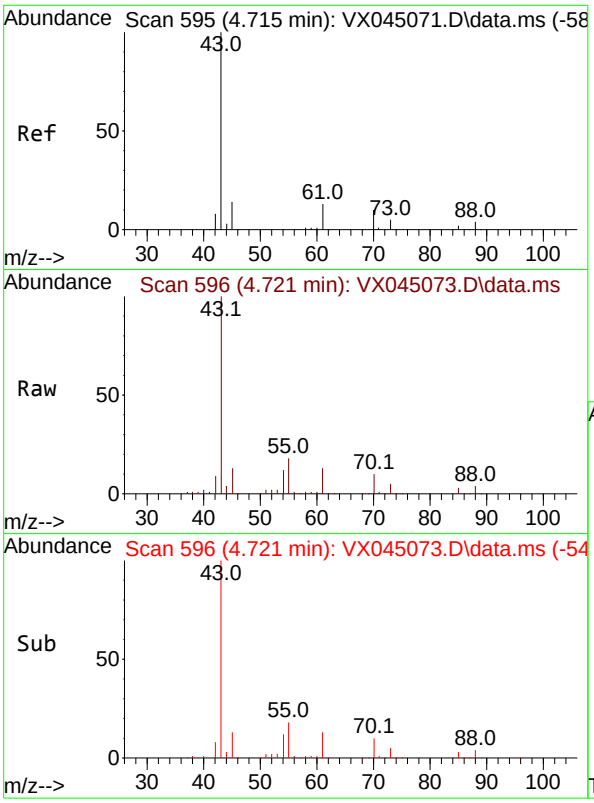


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7



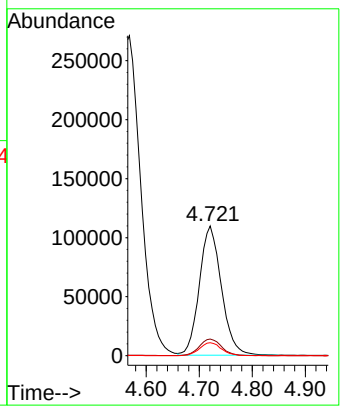


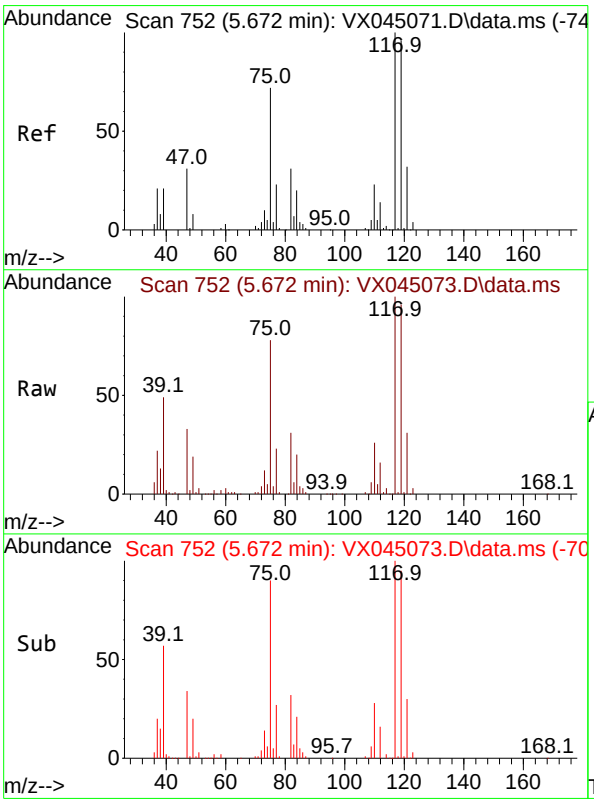
#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 316250

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5

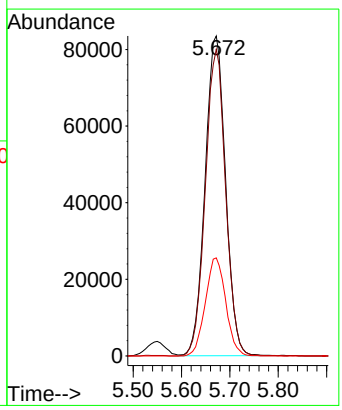


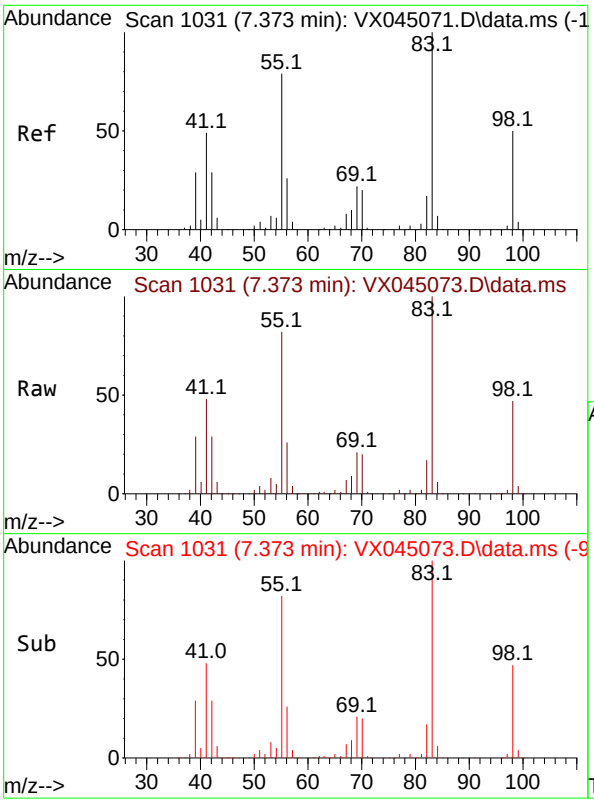


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3



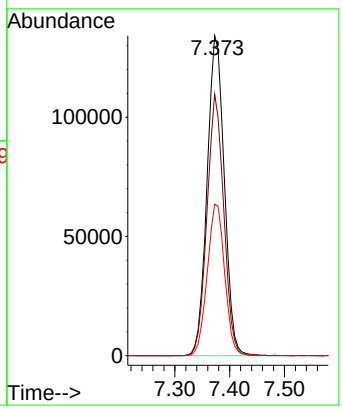


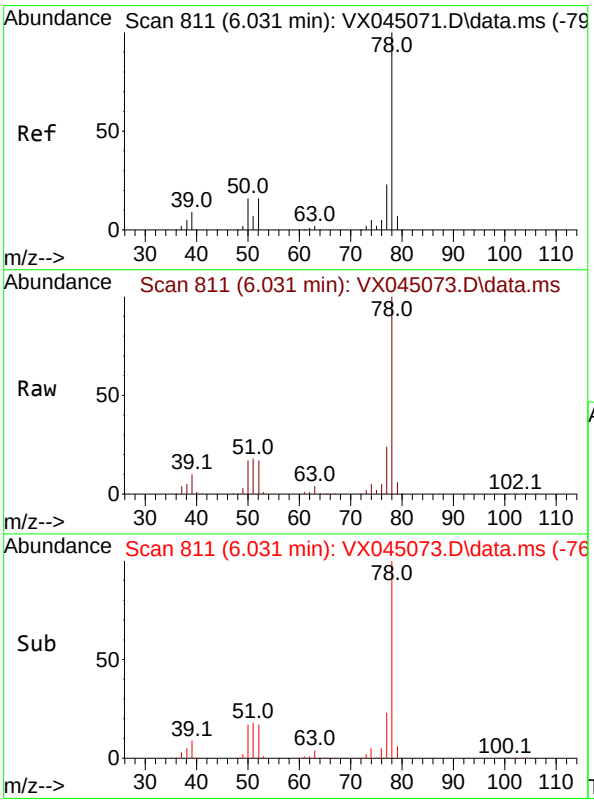
#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 292216

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5

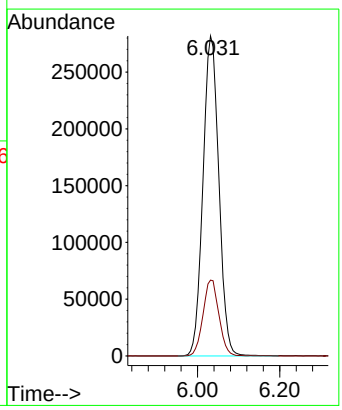


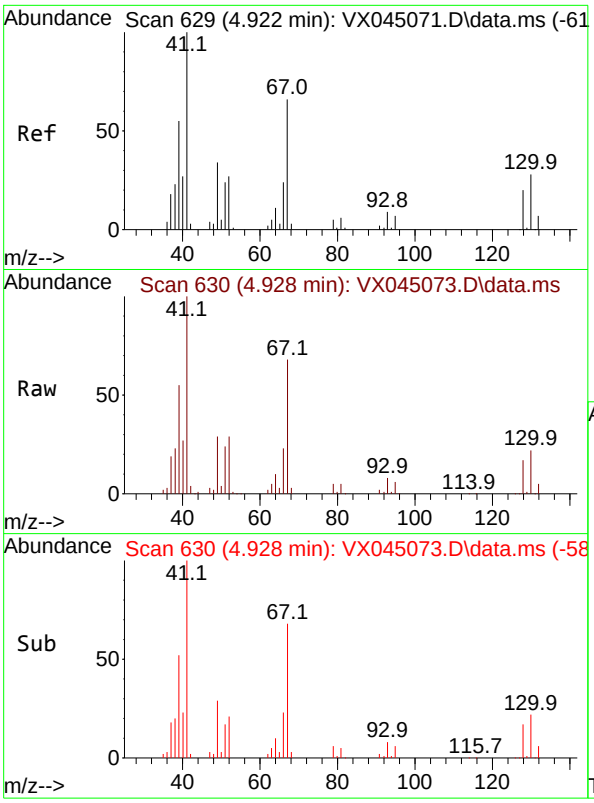


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



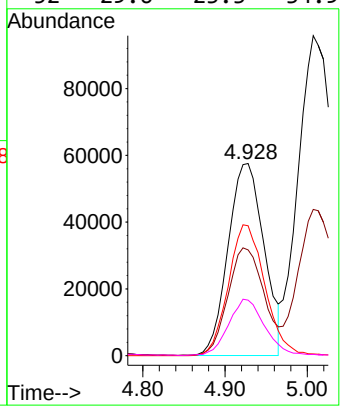


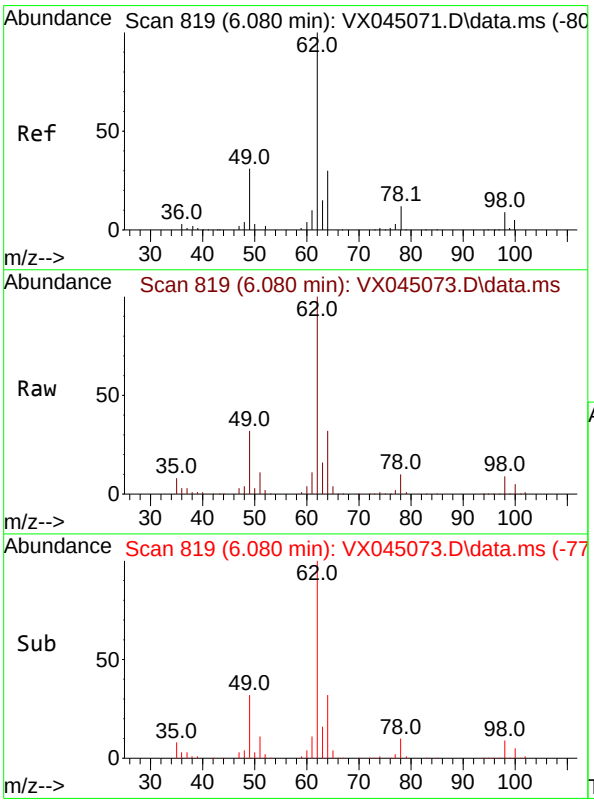
#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 175023

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9

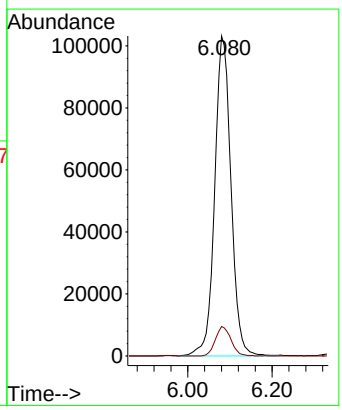


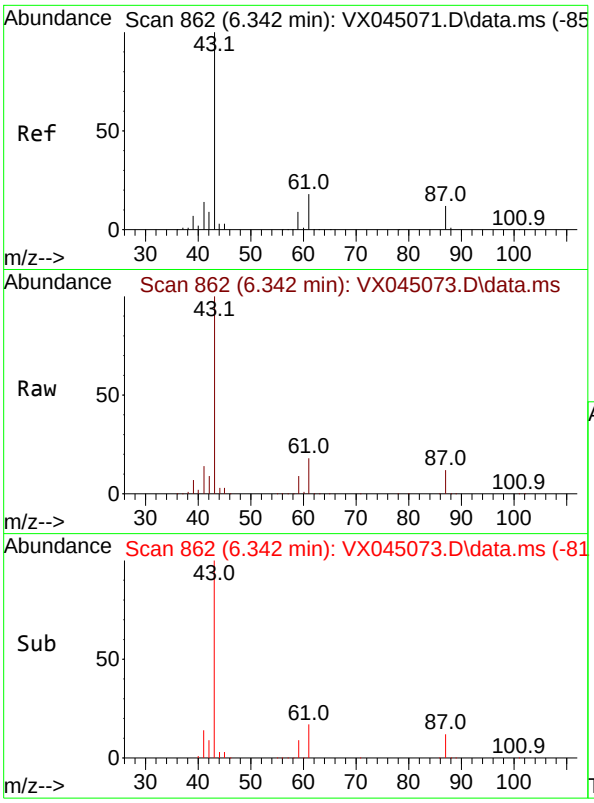


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



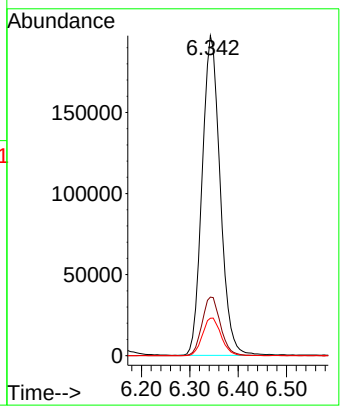


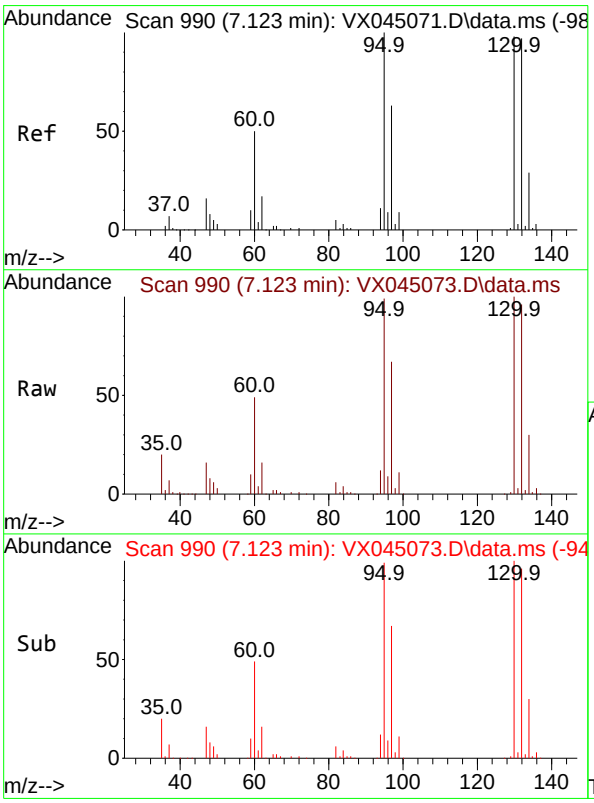
#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 511643

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

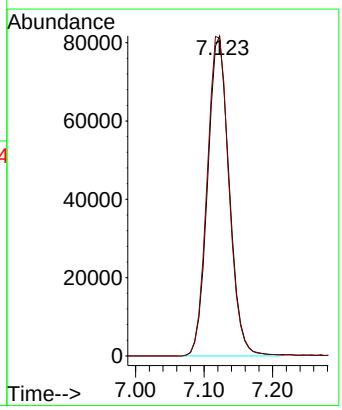


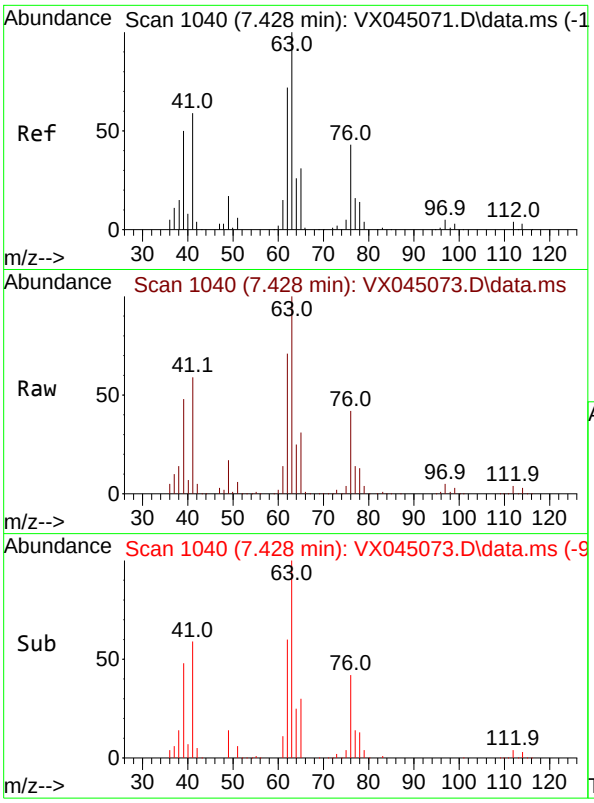


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



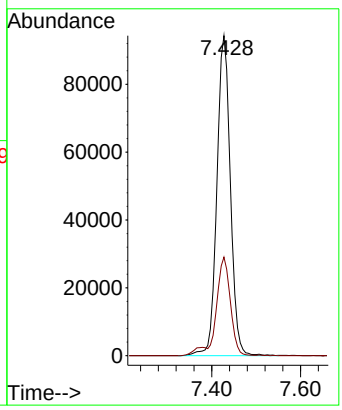


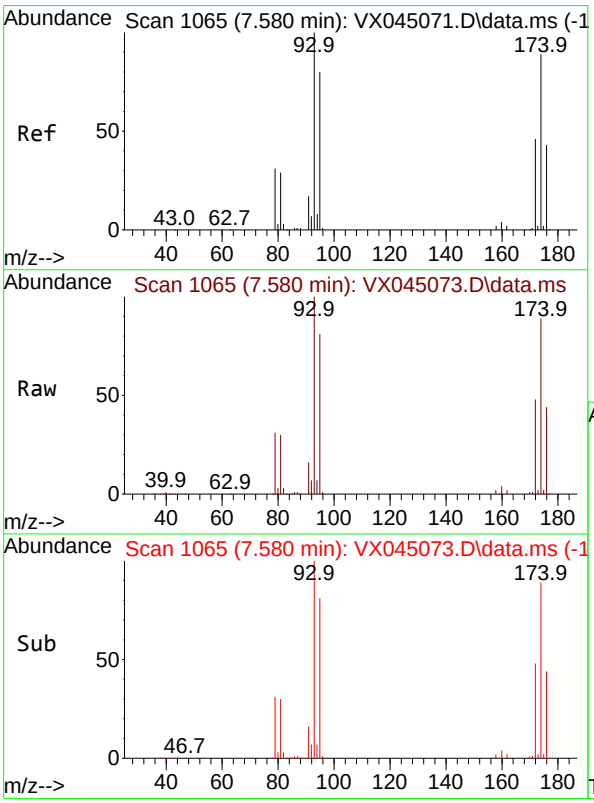
#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 198135

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

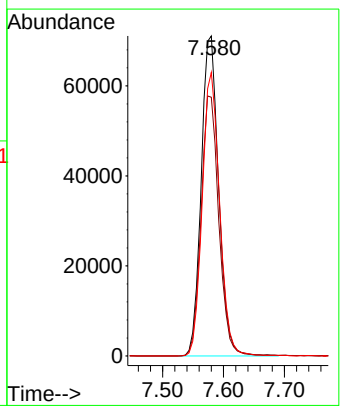


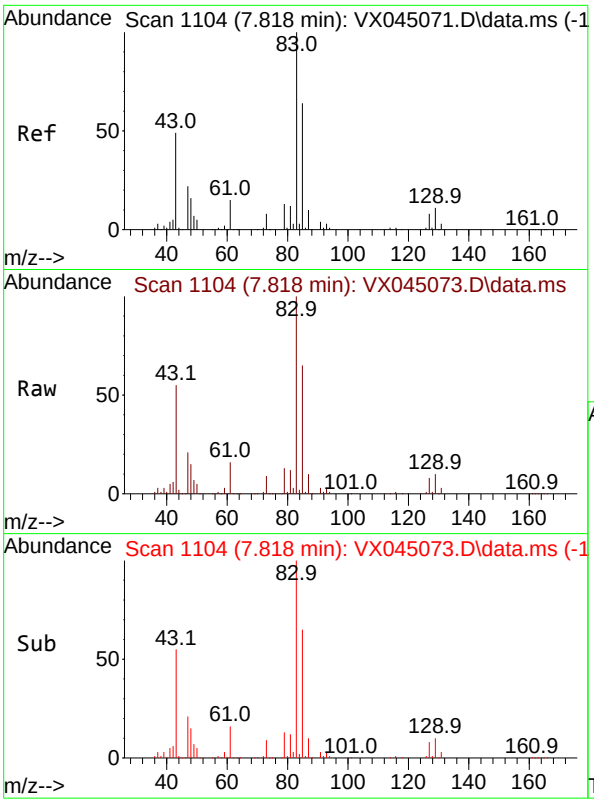


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2



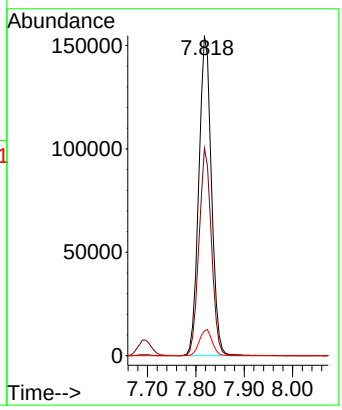


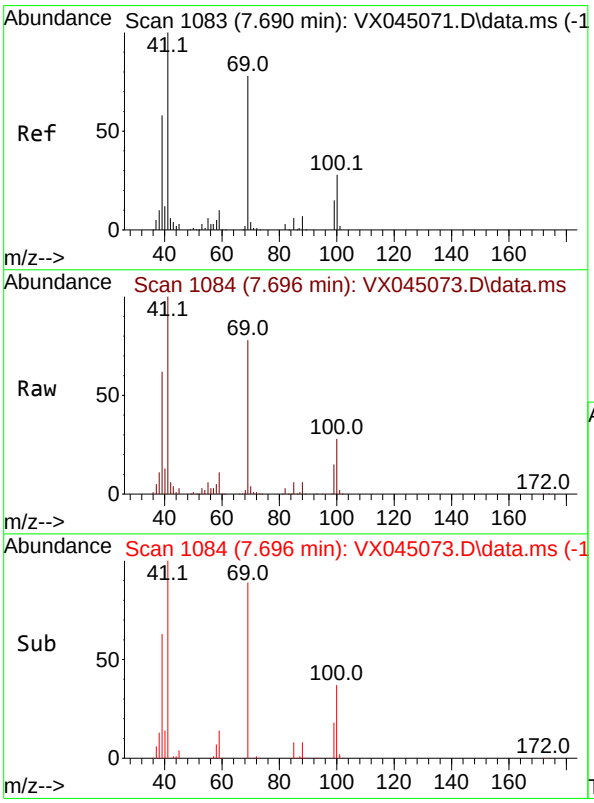
#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 280255

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6

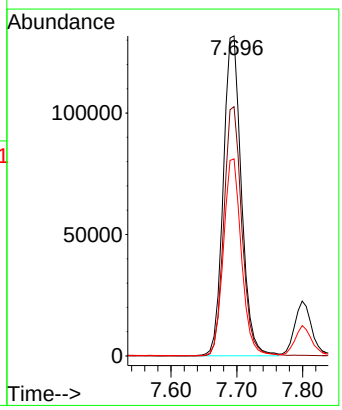


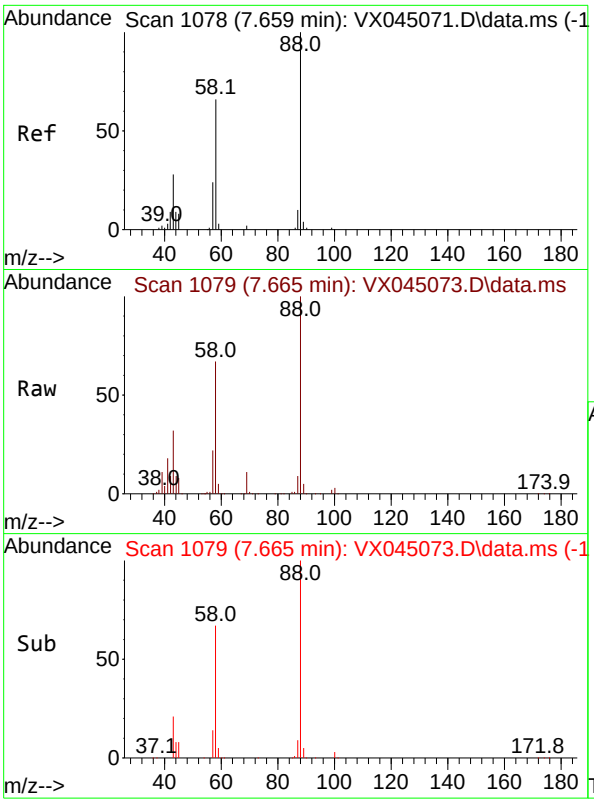


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3



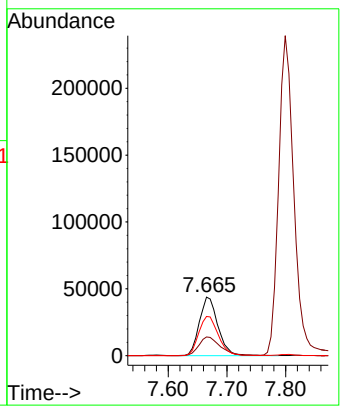


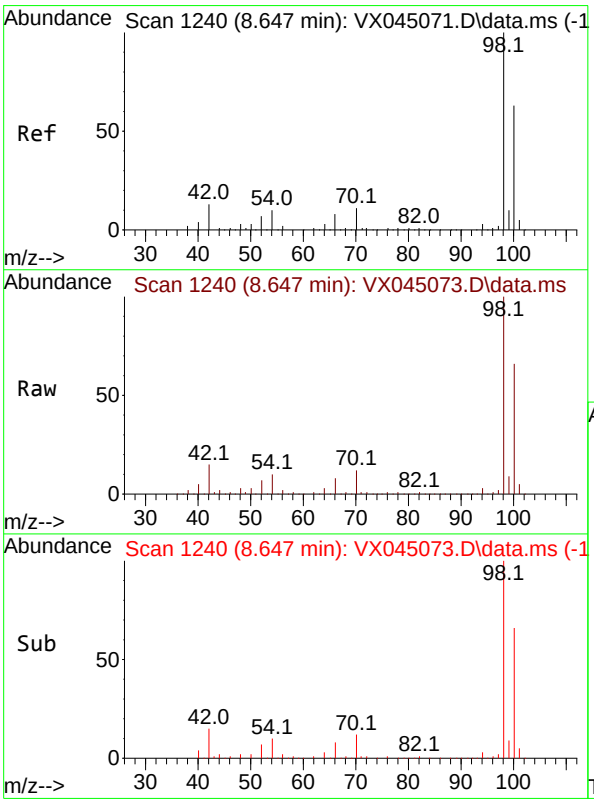
#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 96268

Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8

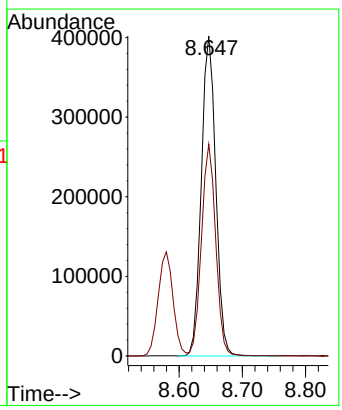


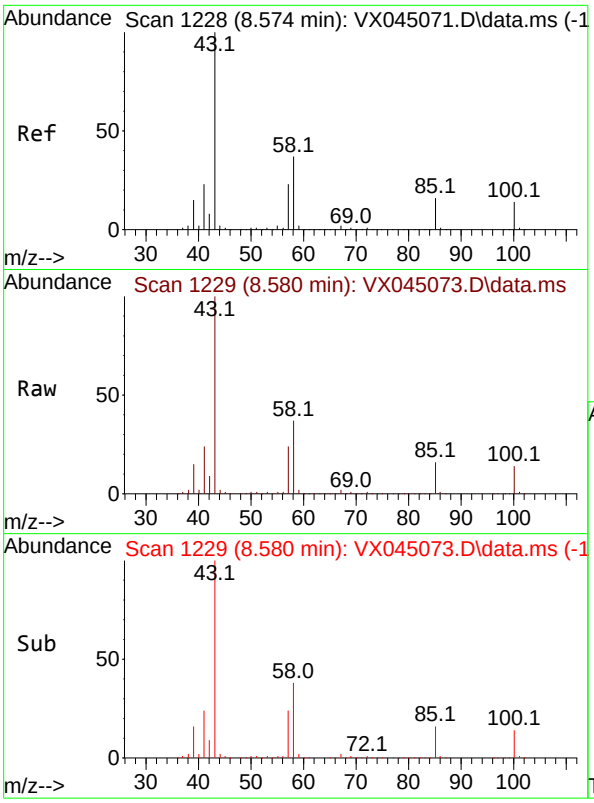


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



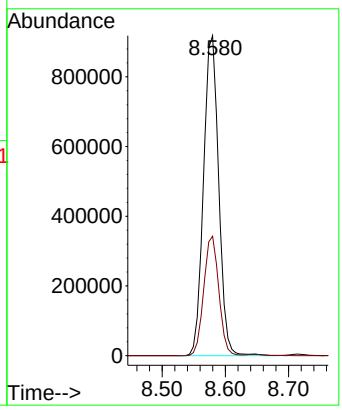


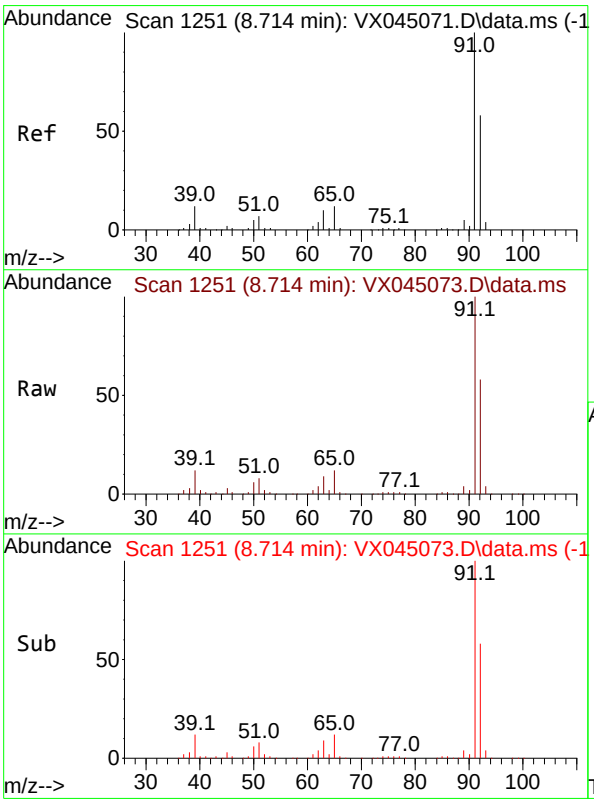
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1536157

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

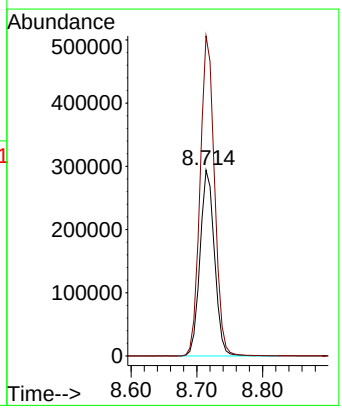


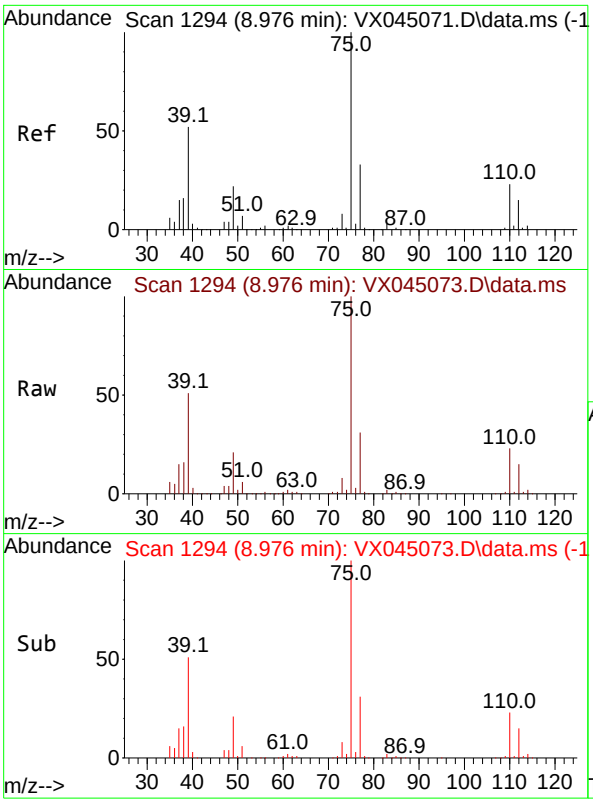


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



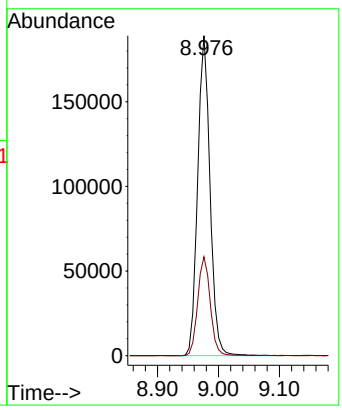


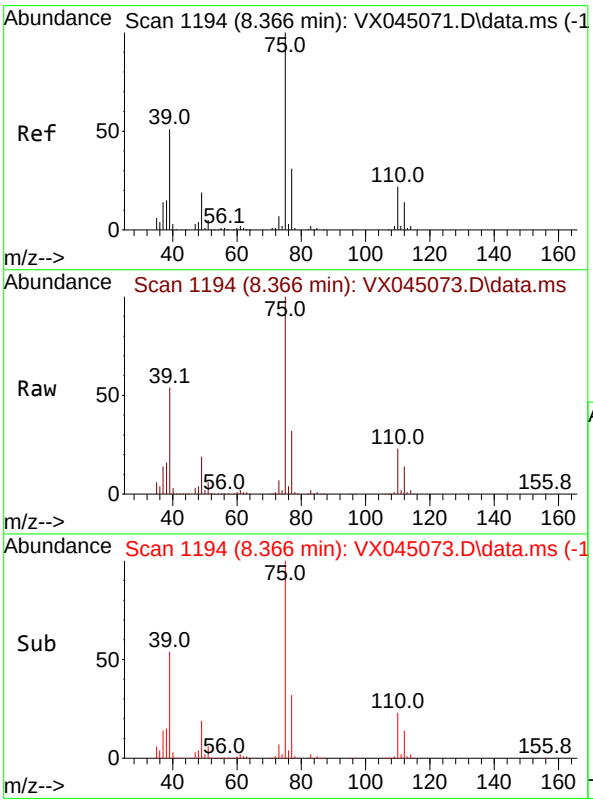
#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7

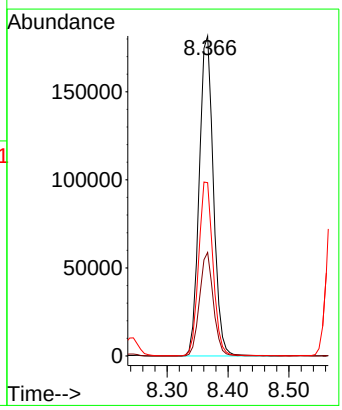


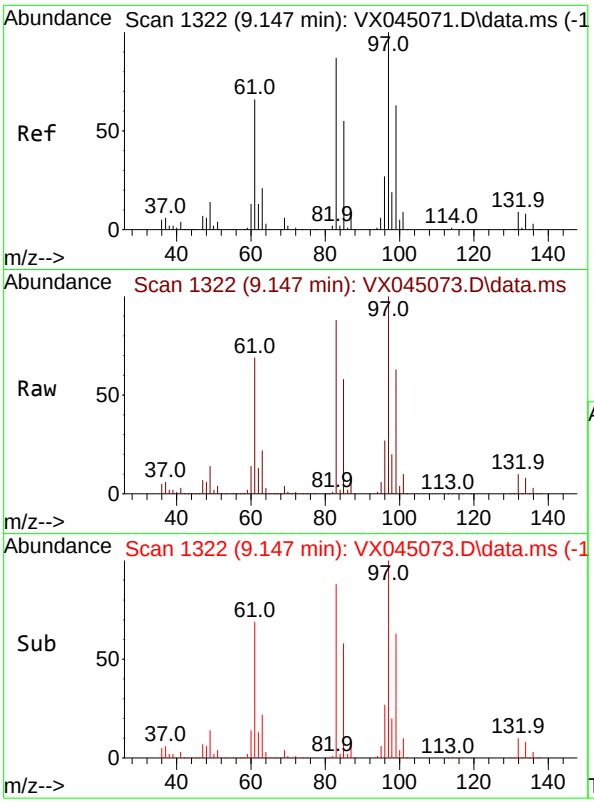


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1



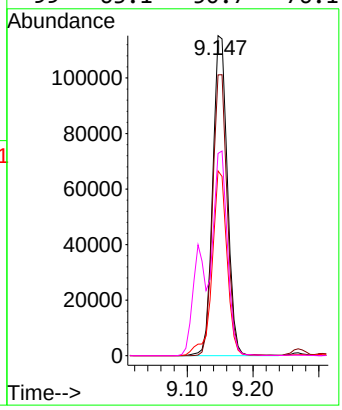


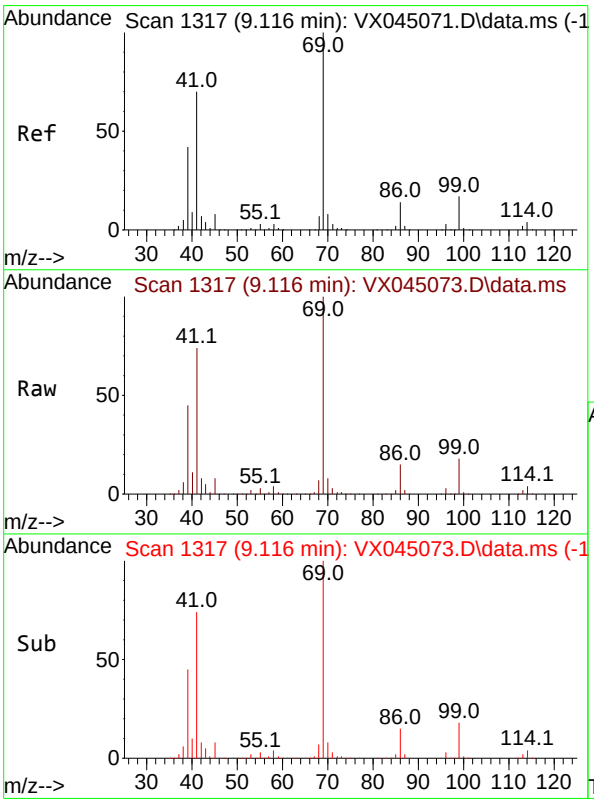
#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 178217

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1

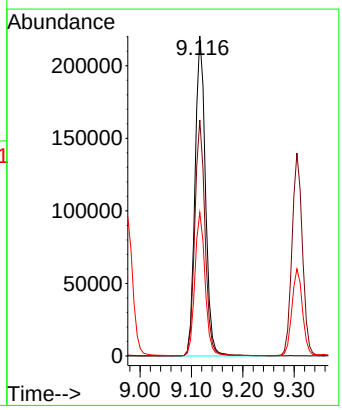


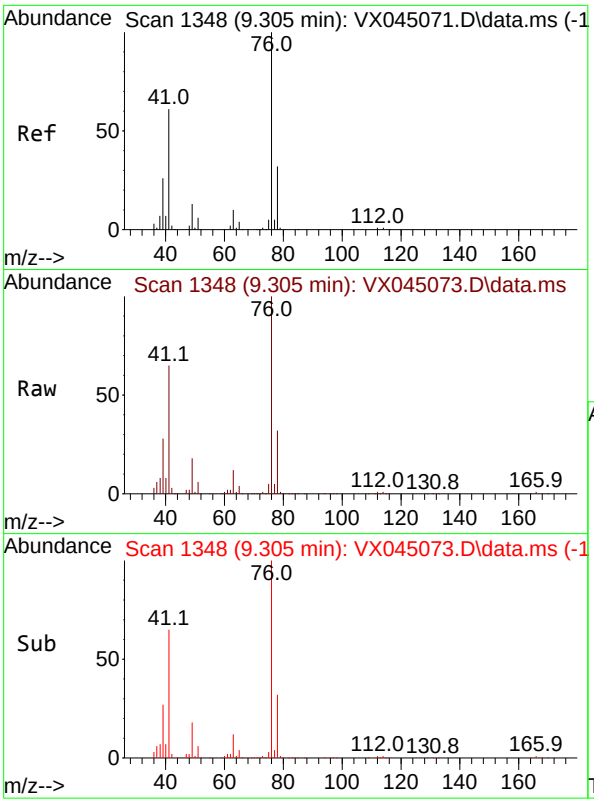


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4



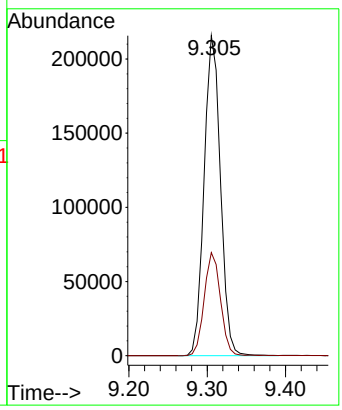


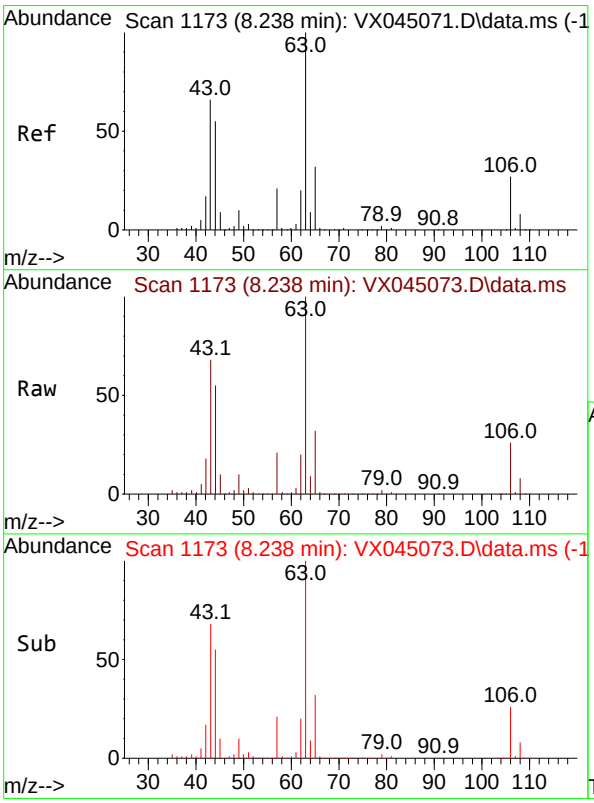
#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

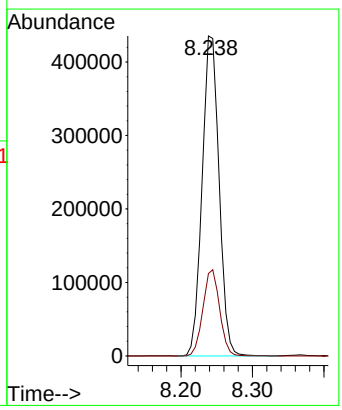


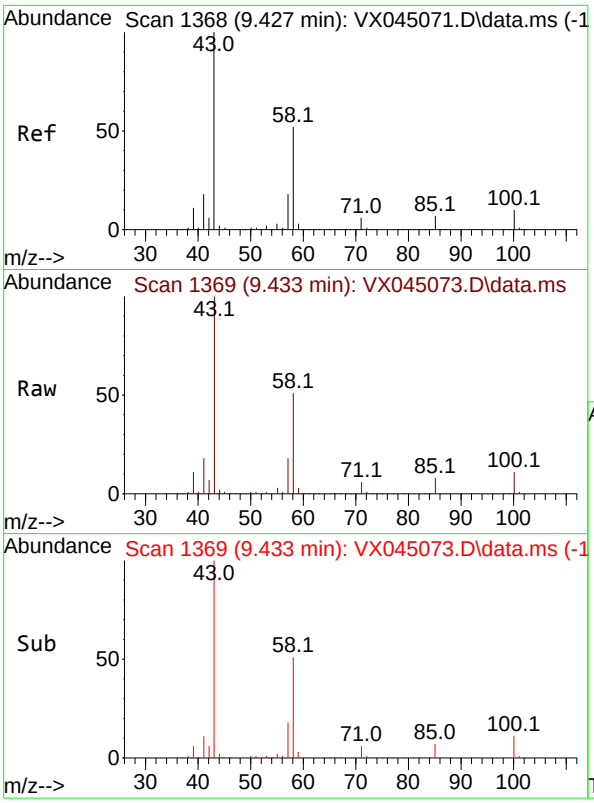


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



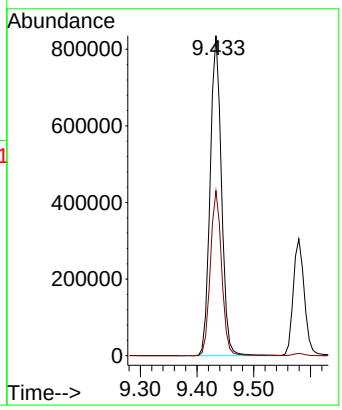


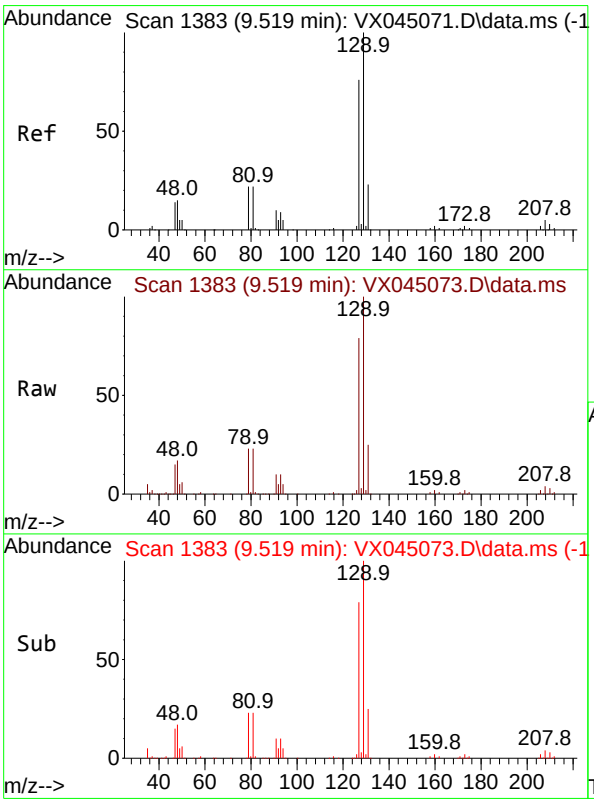
#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

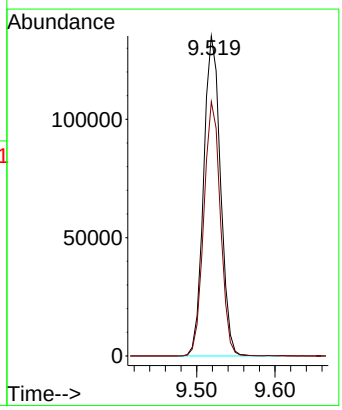


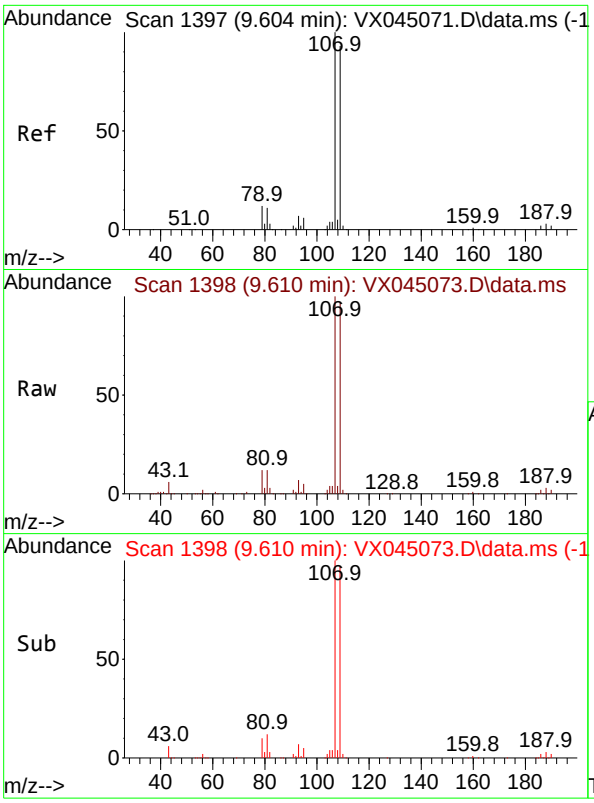


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



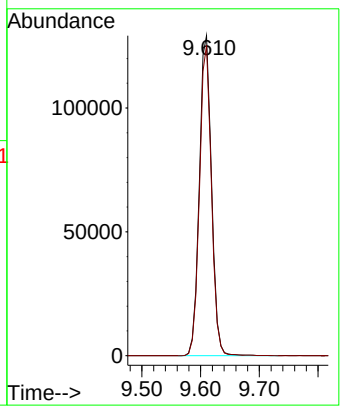


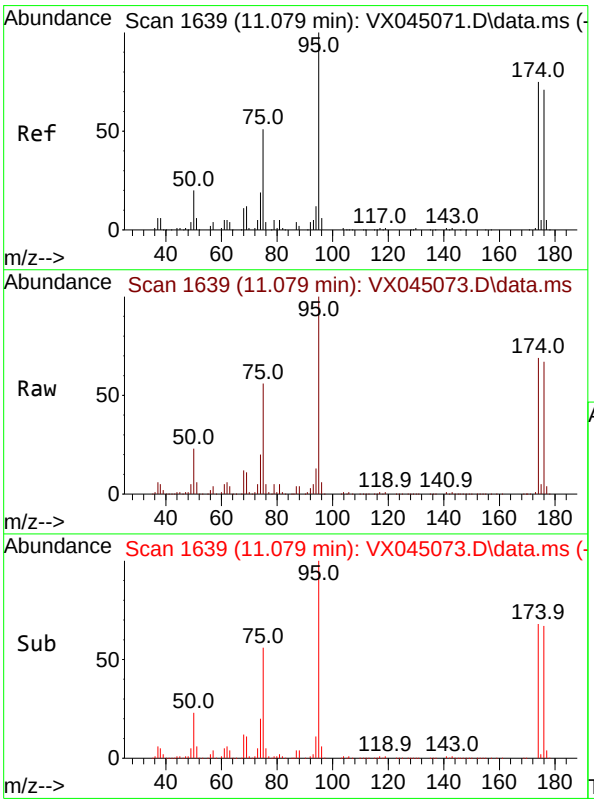
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 185828

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

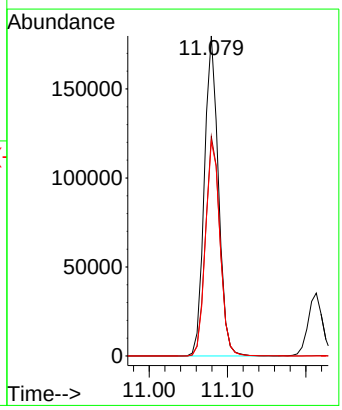


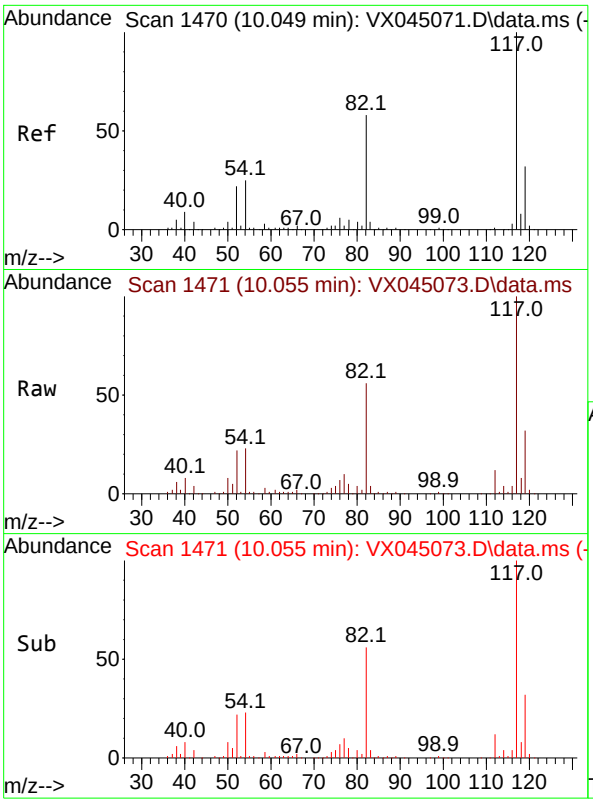


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4



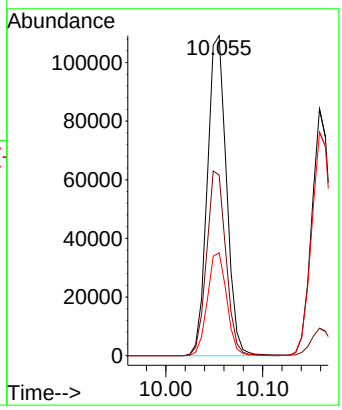


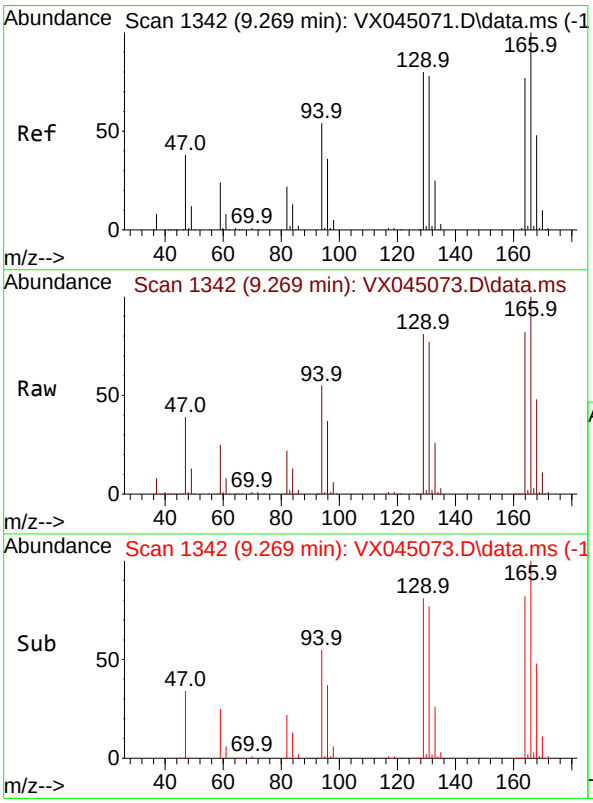
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 150547

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5

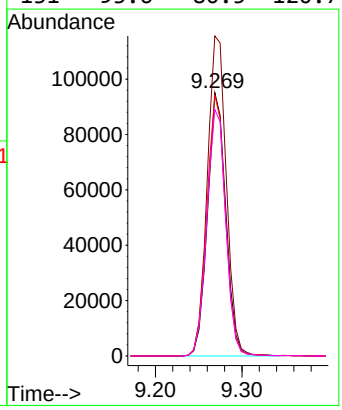


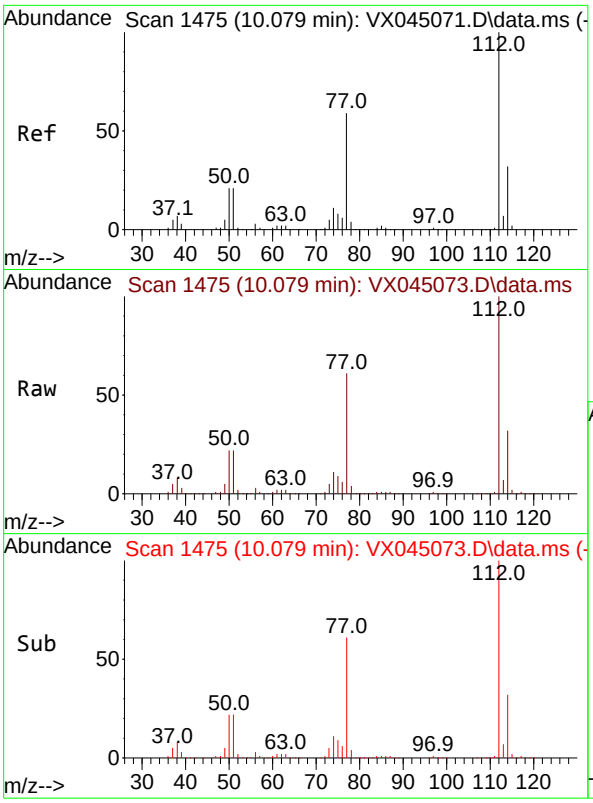


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7



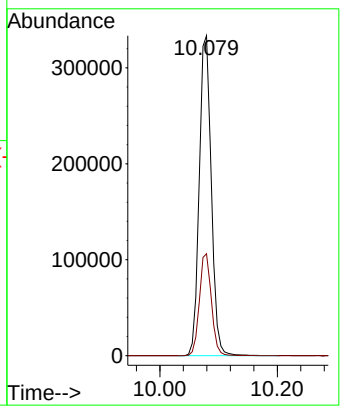


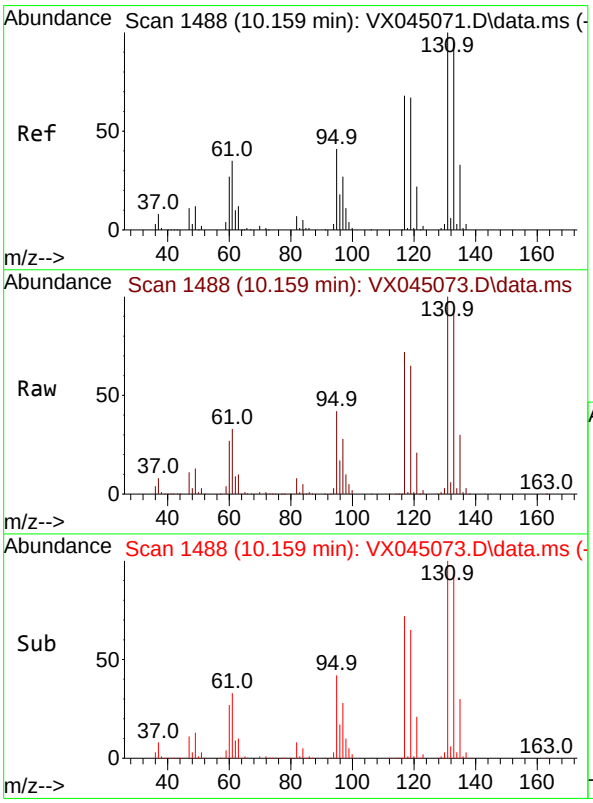
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

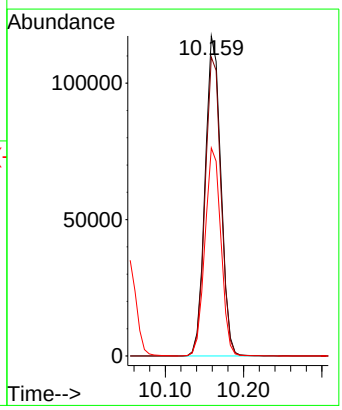


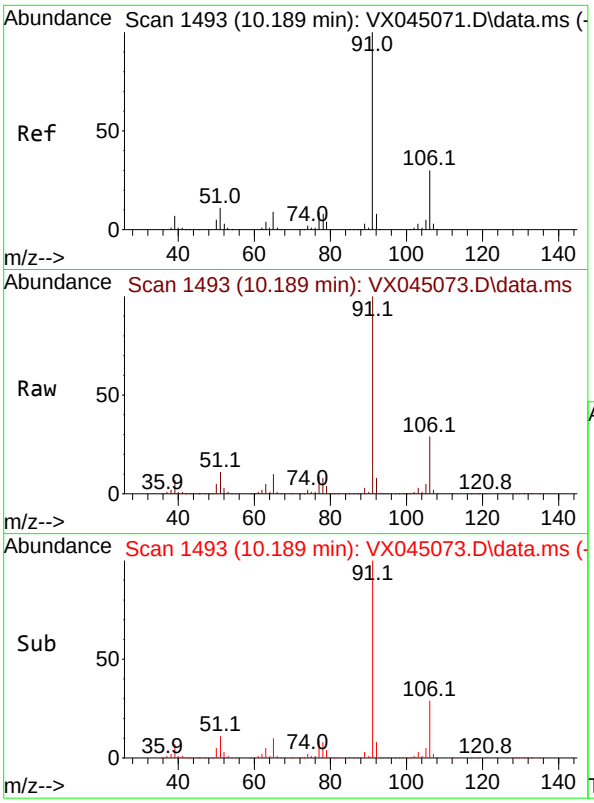


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7



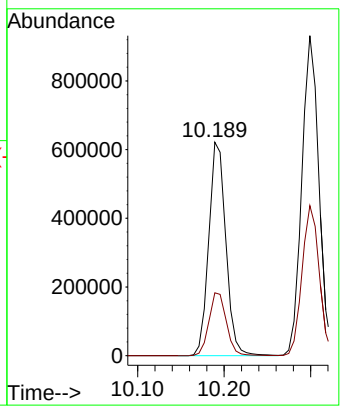


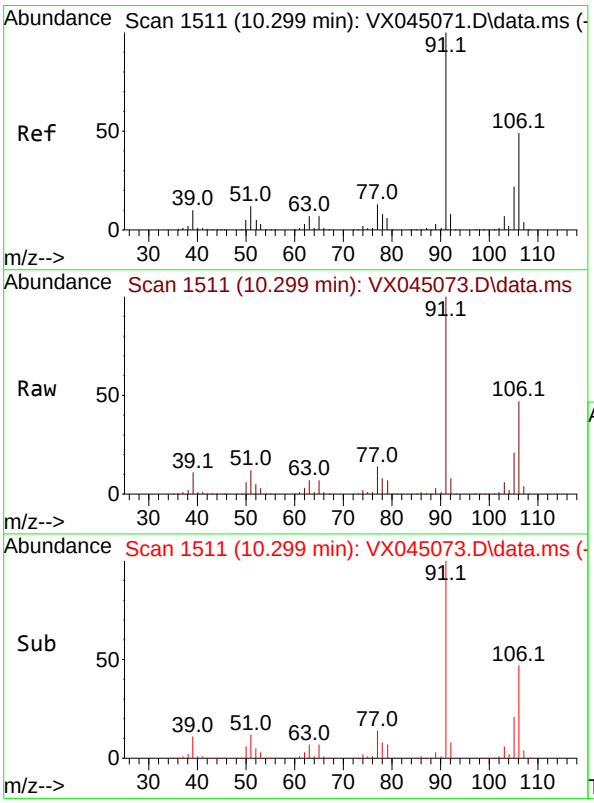
#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

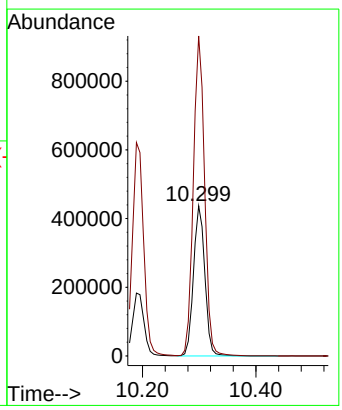


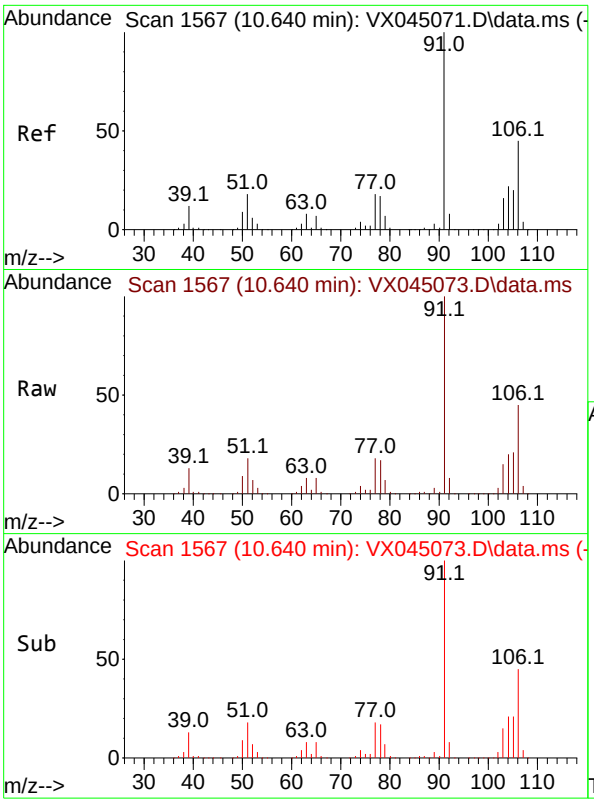


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



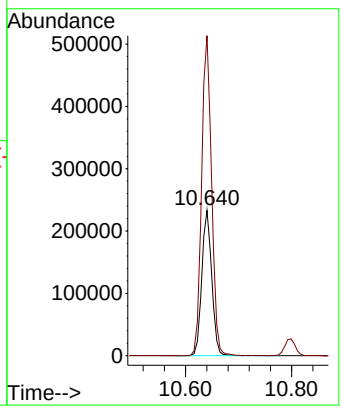


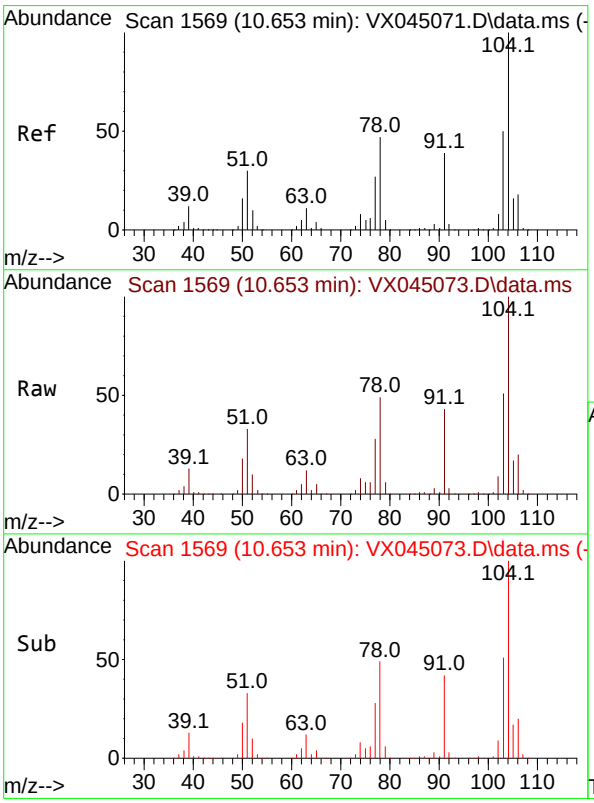
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 302495

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

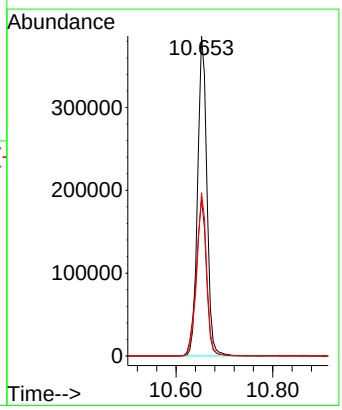


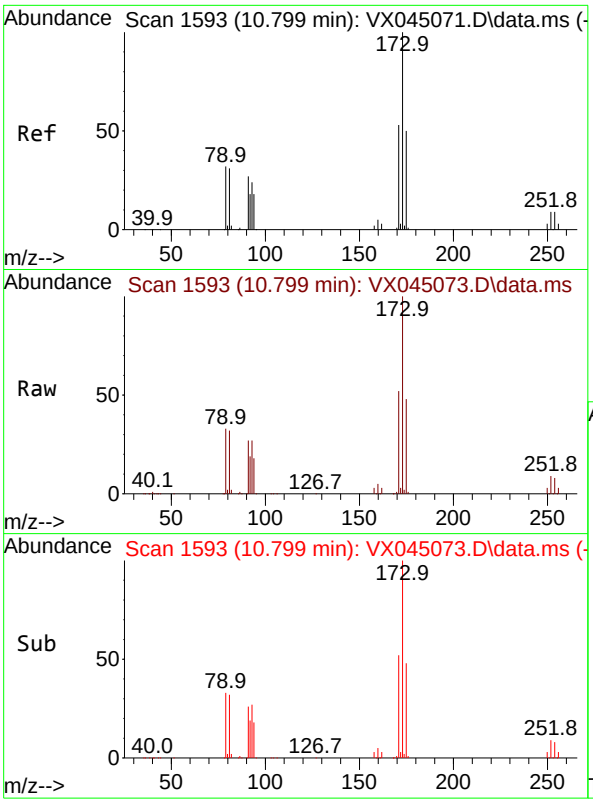


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8



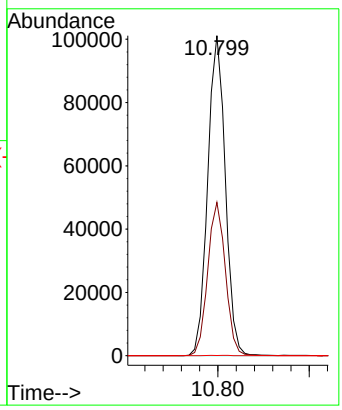


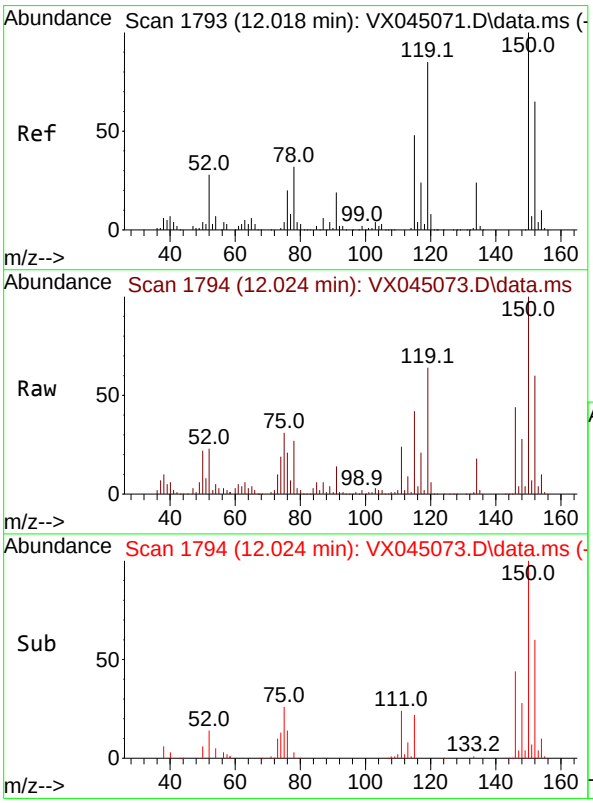
#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 135388

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#

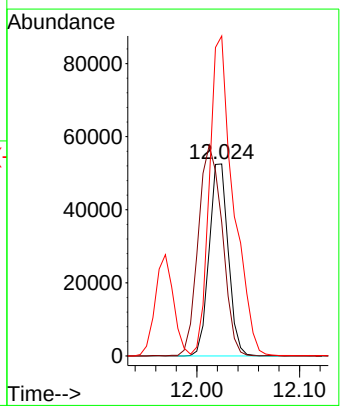


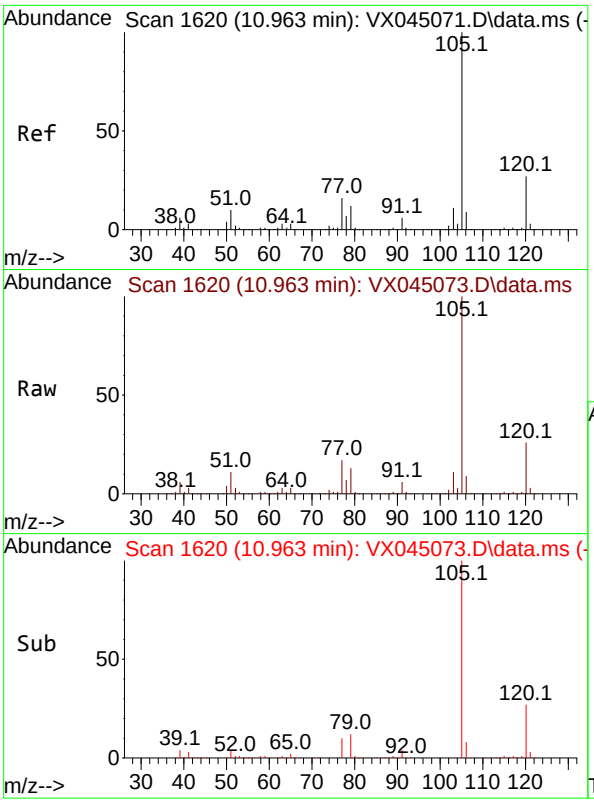


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0



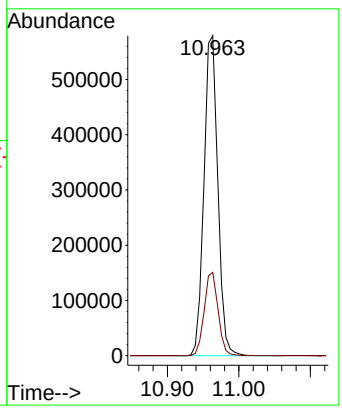


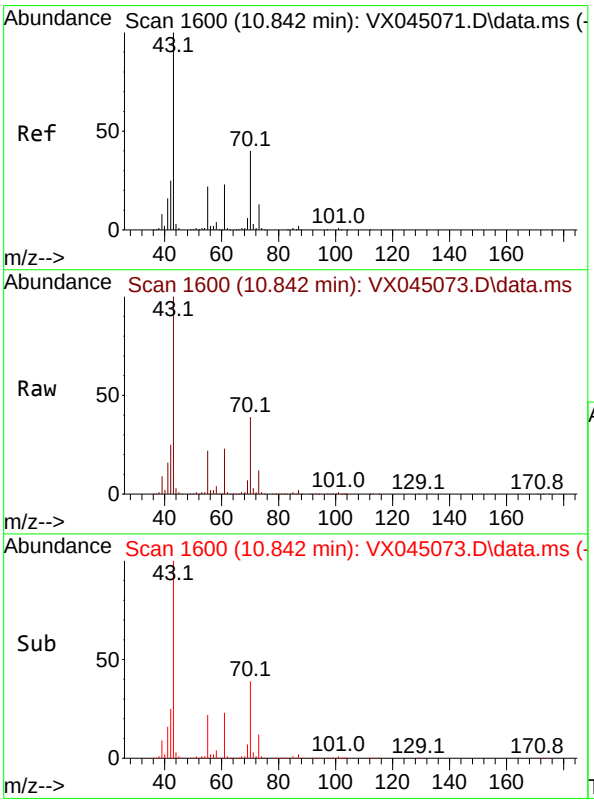
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780706

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

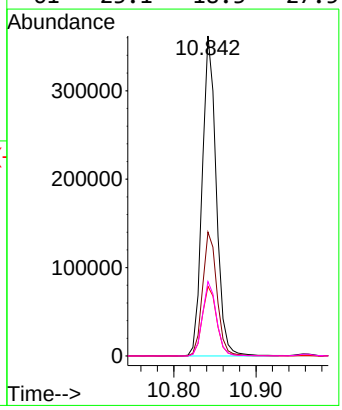


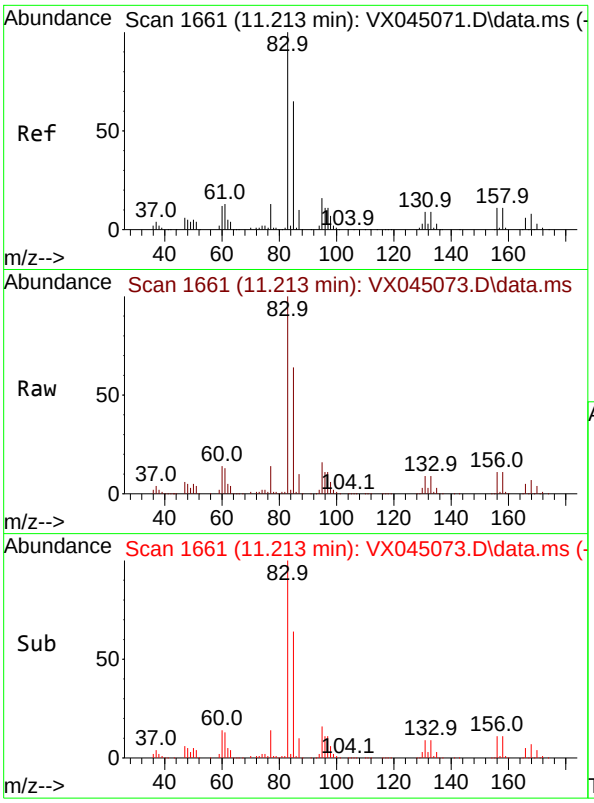


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5



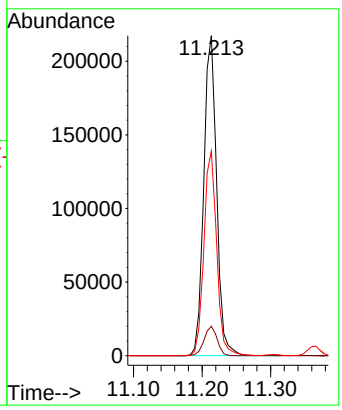


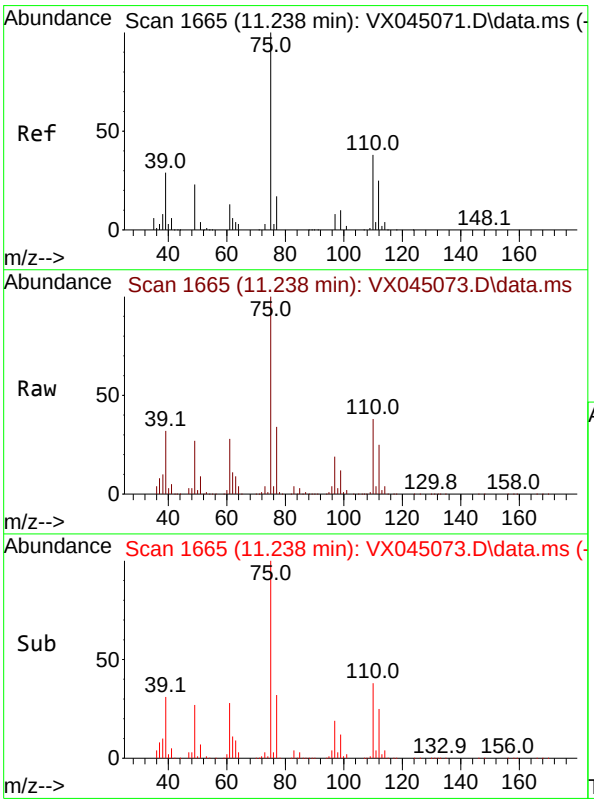
#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 283558

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

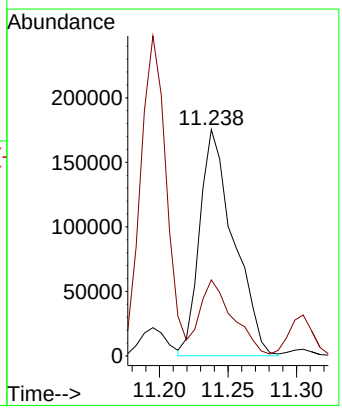


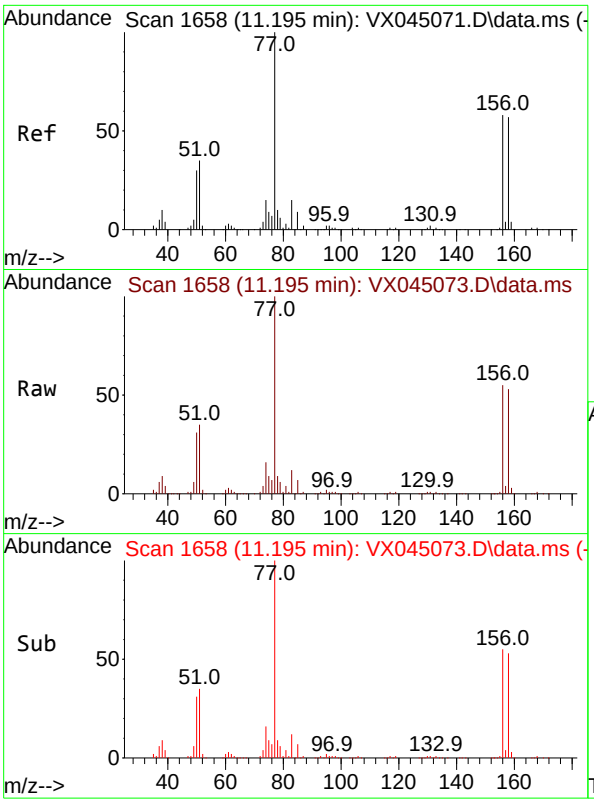


#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 303633

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



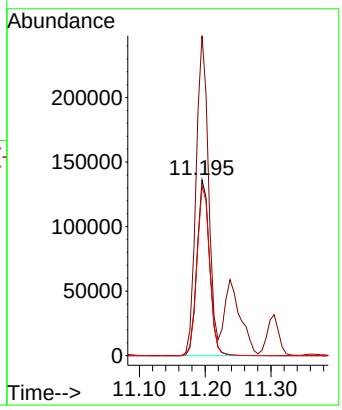


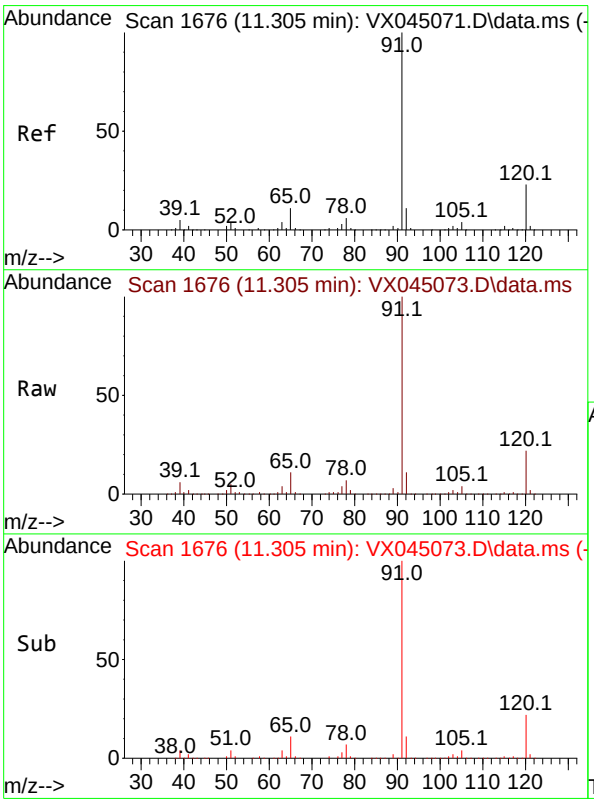
#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 180997

Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2

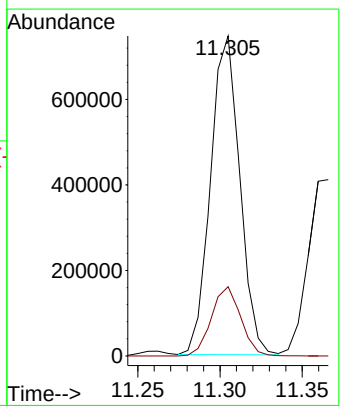


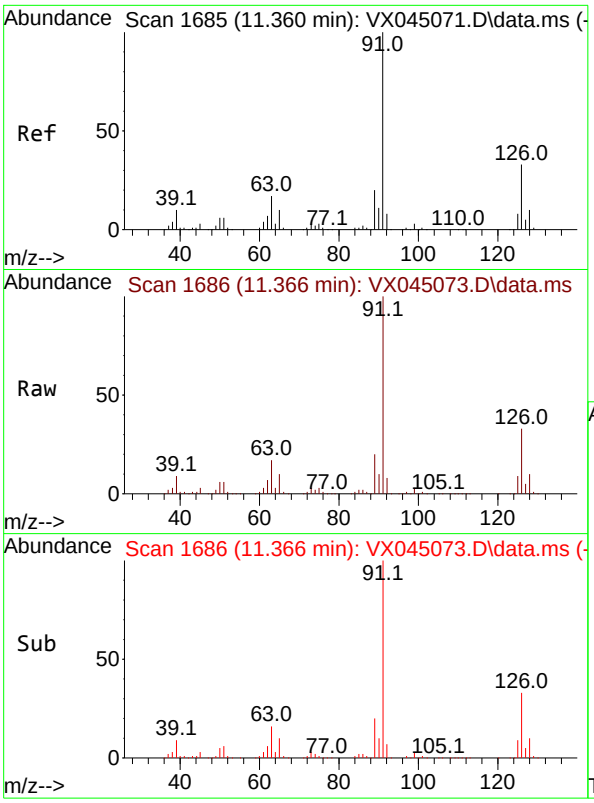


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



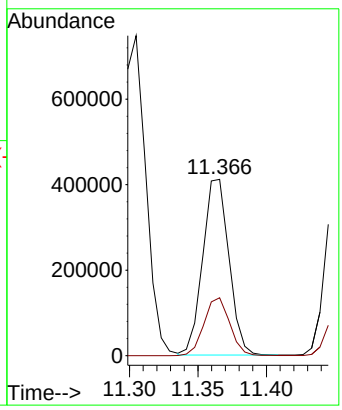


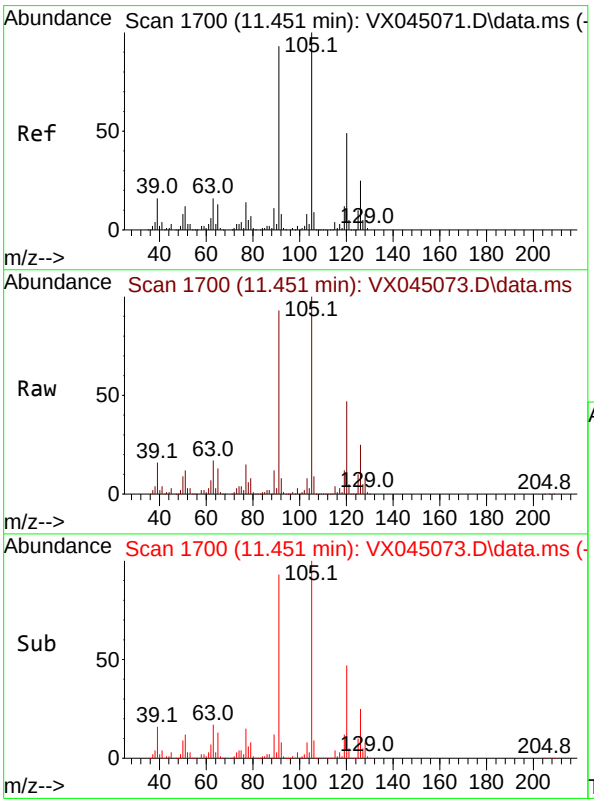
#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 548695

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

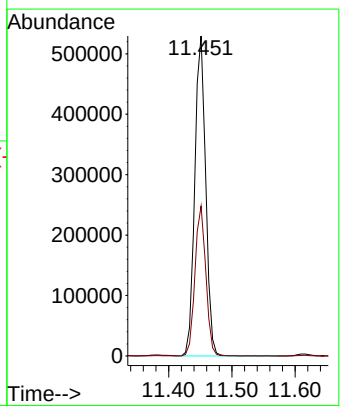


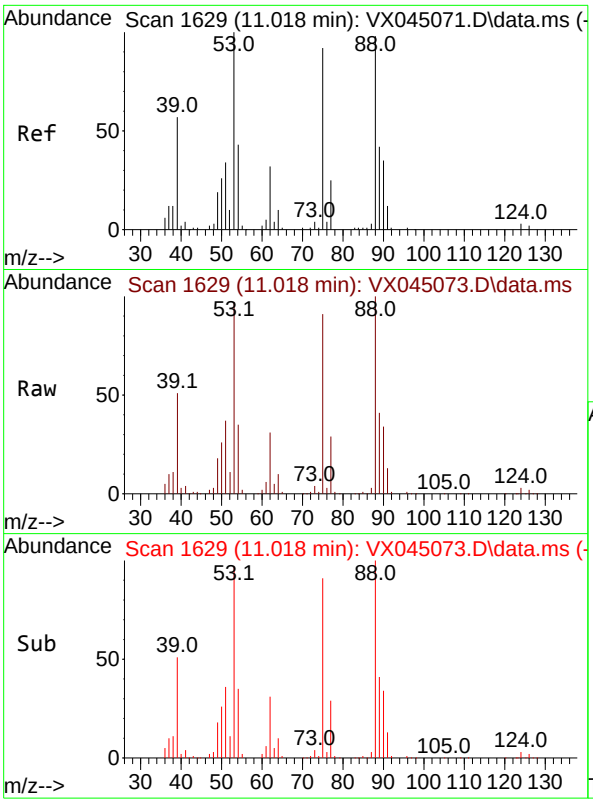


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



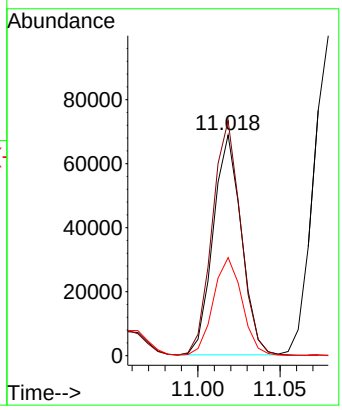


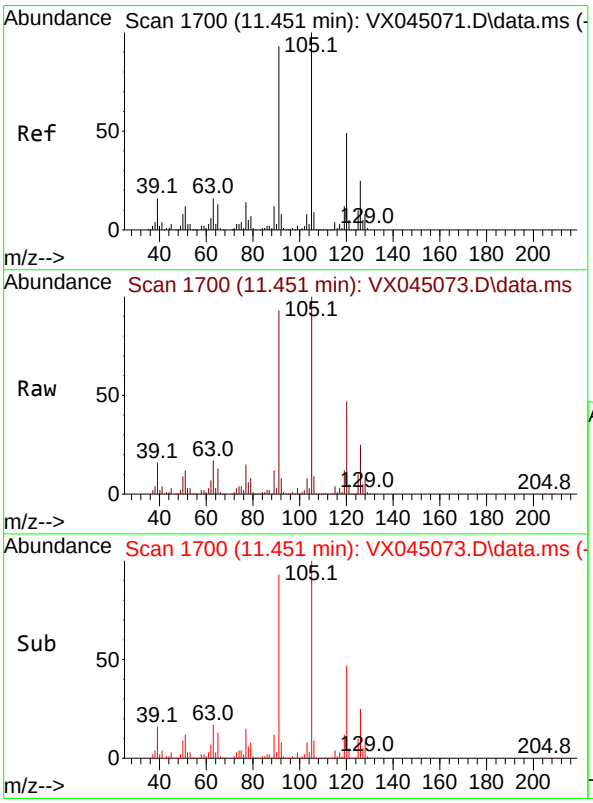
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 82267

Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

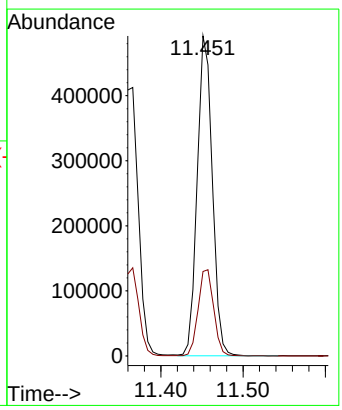


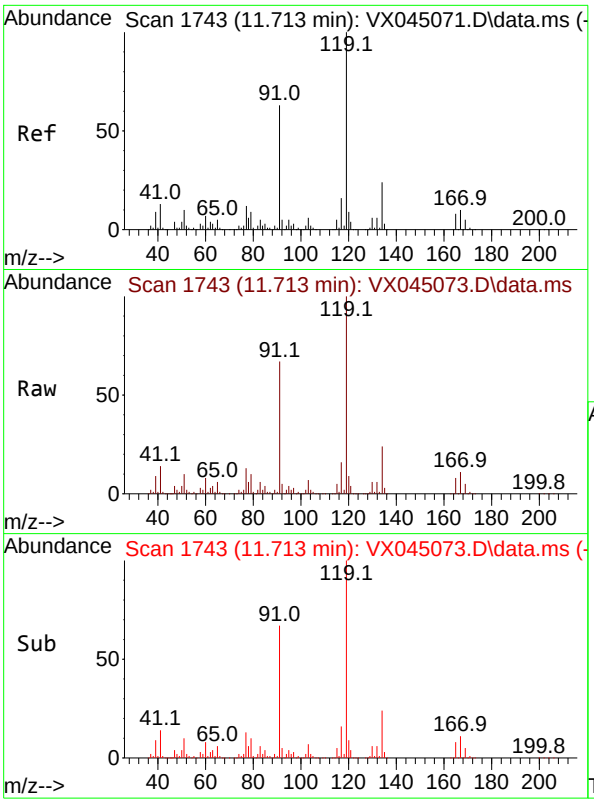


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



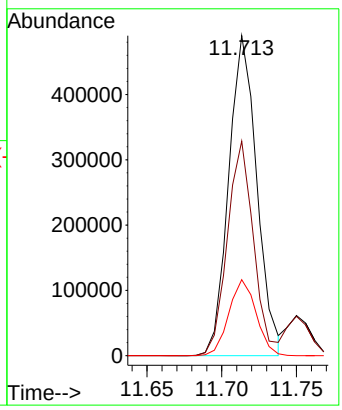


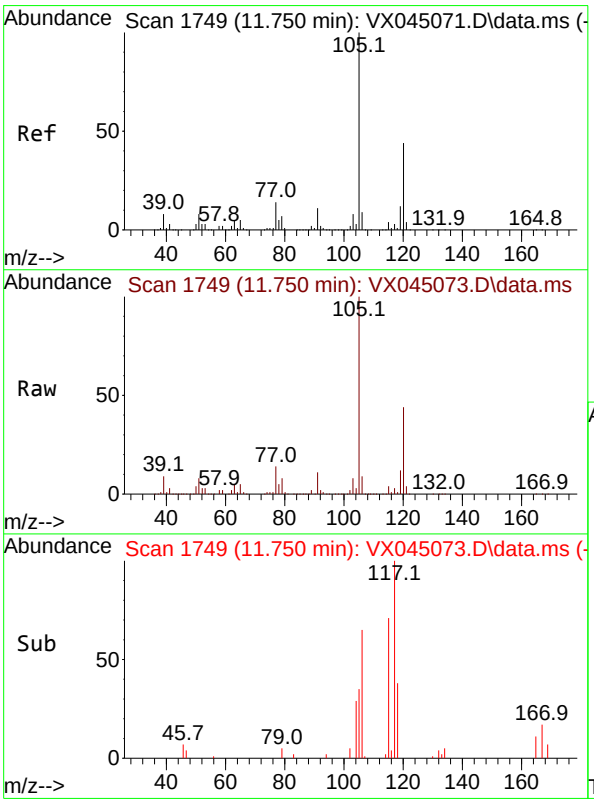
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 641713

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0

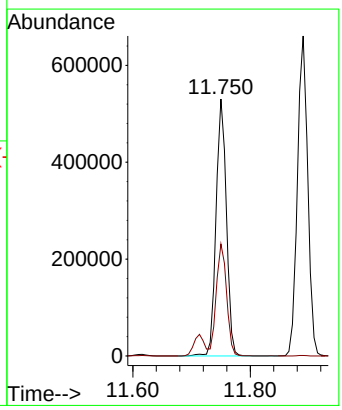


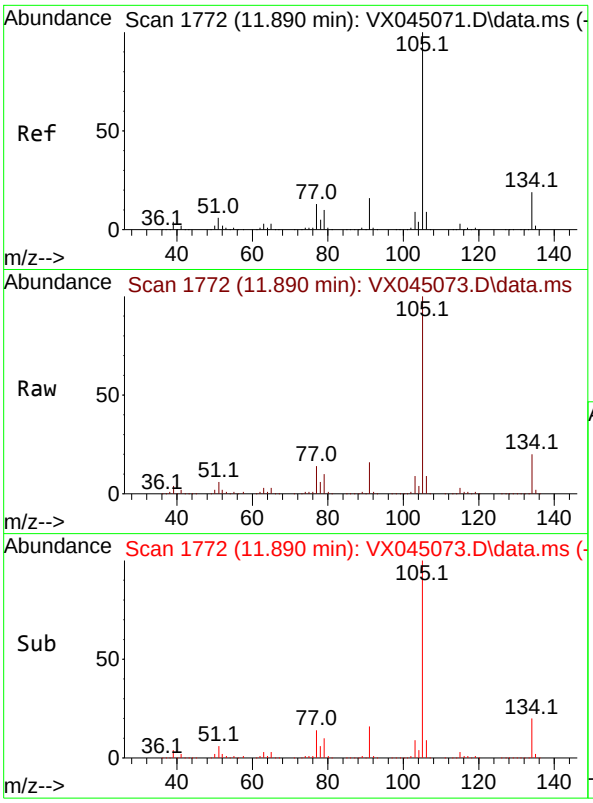


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



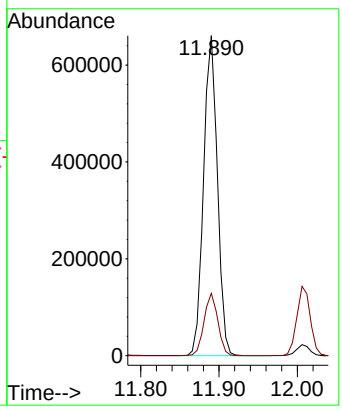


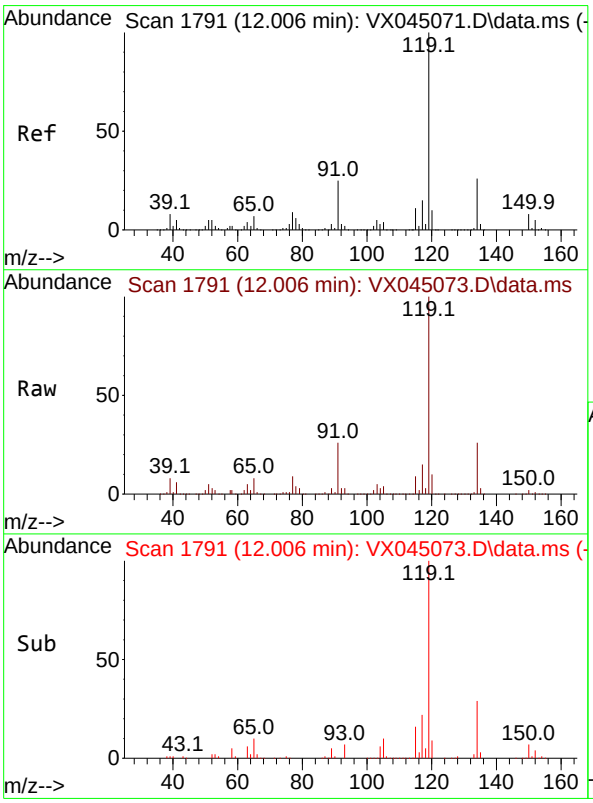
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 807713

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

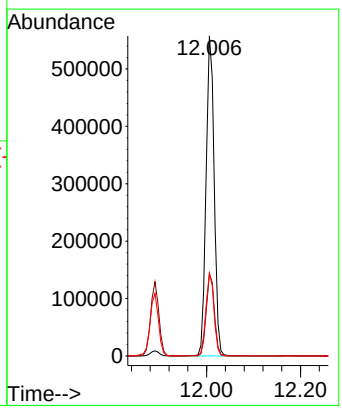


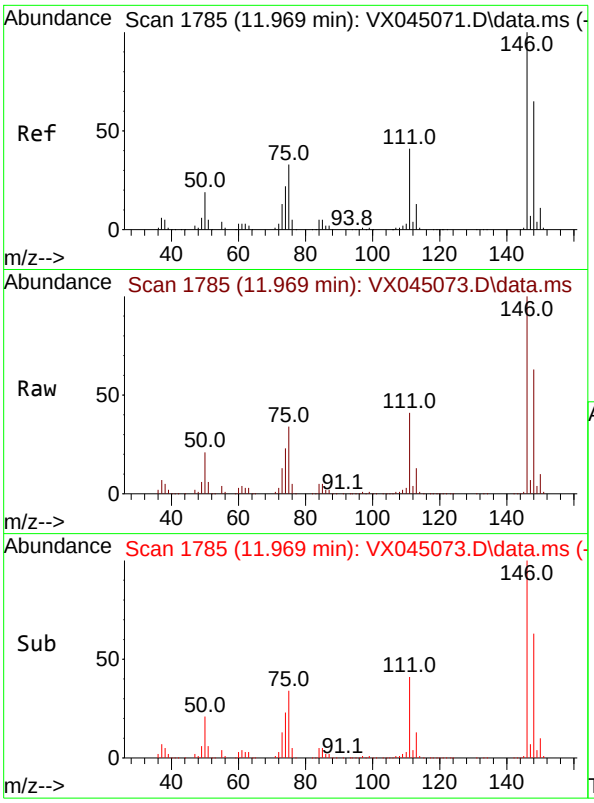


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0



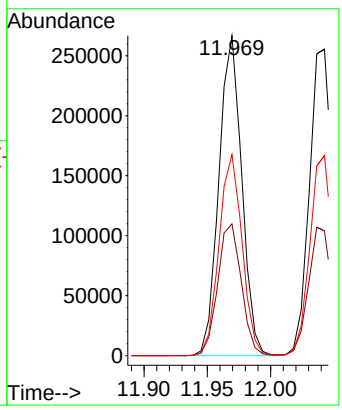


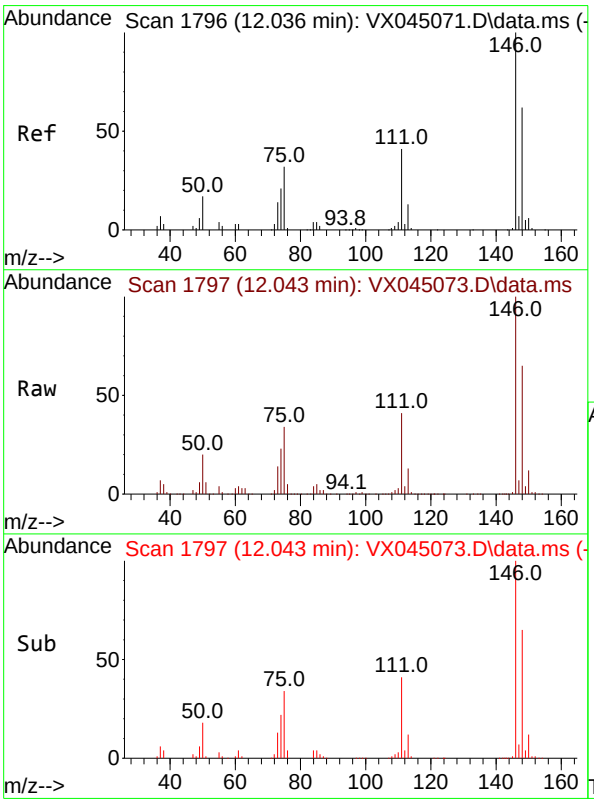
#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 334751

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7

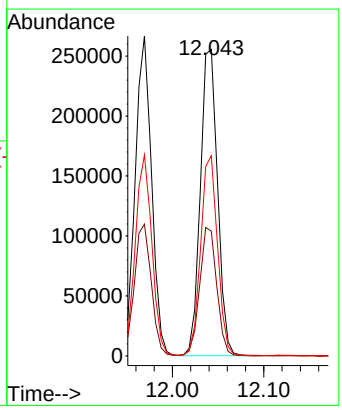


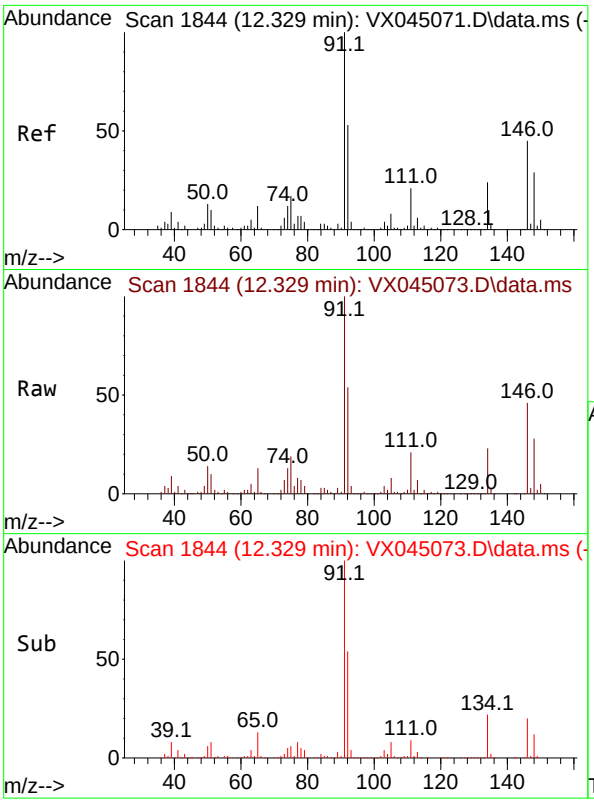


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9



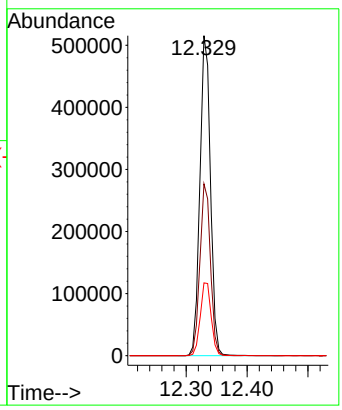


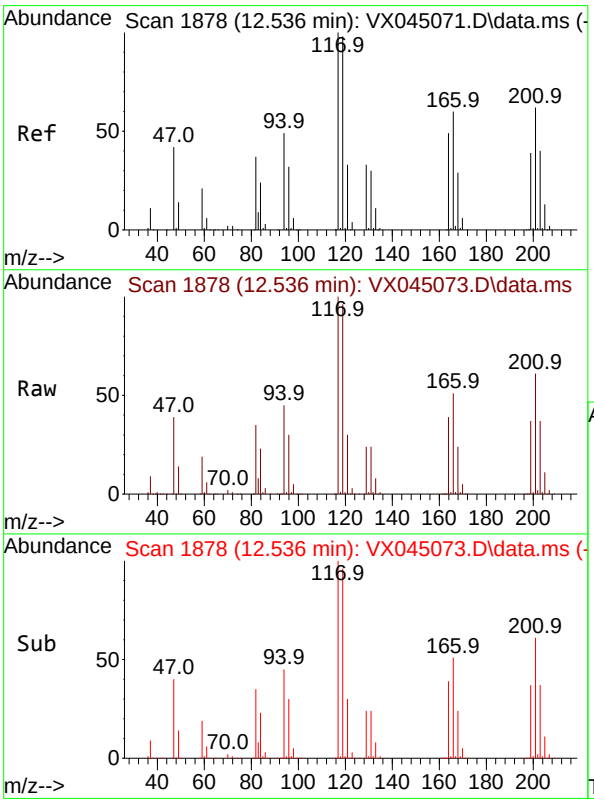
#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 620757

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6

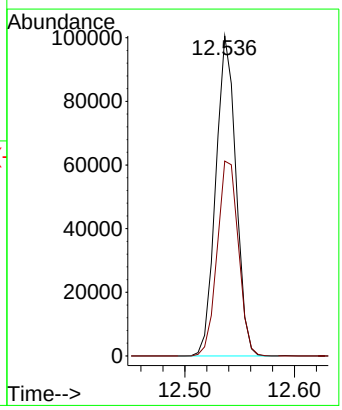


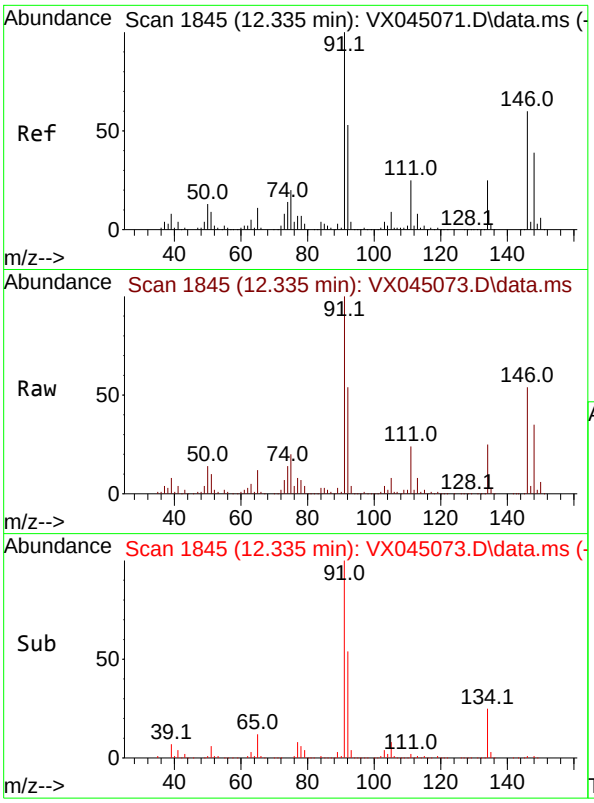


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9



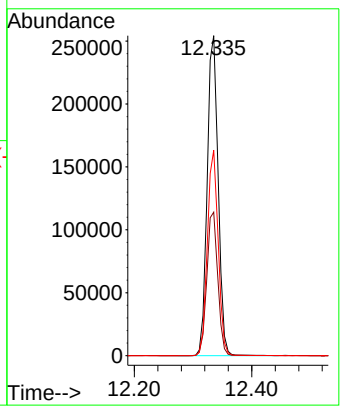


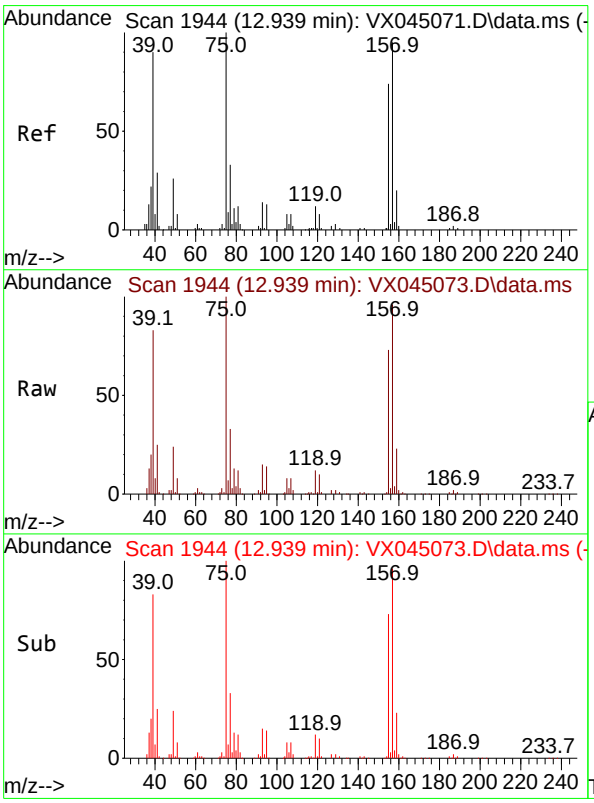
#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 329318

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9

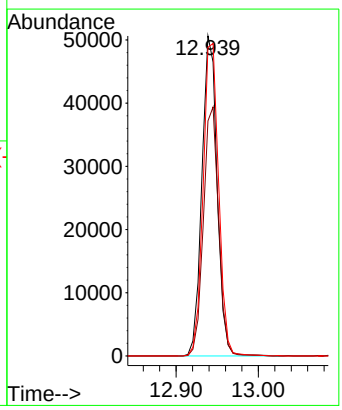


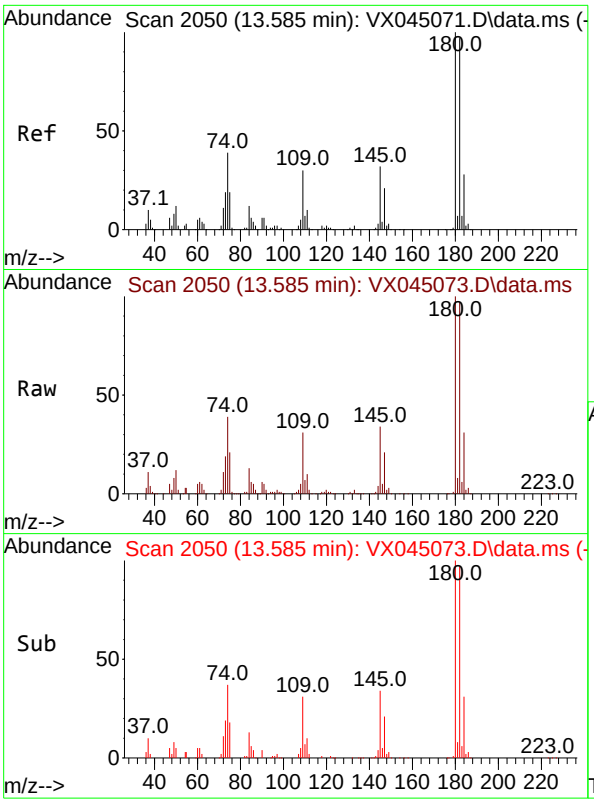


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4



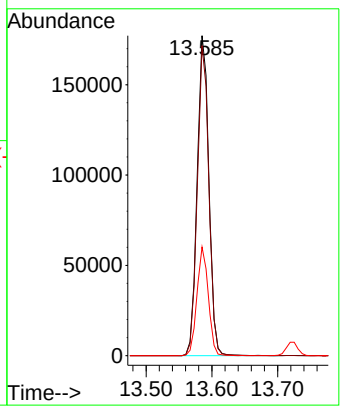


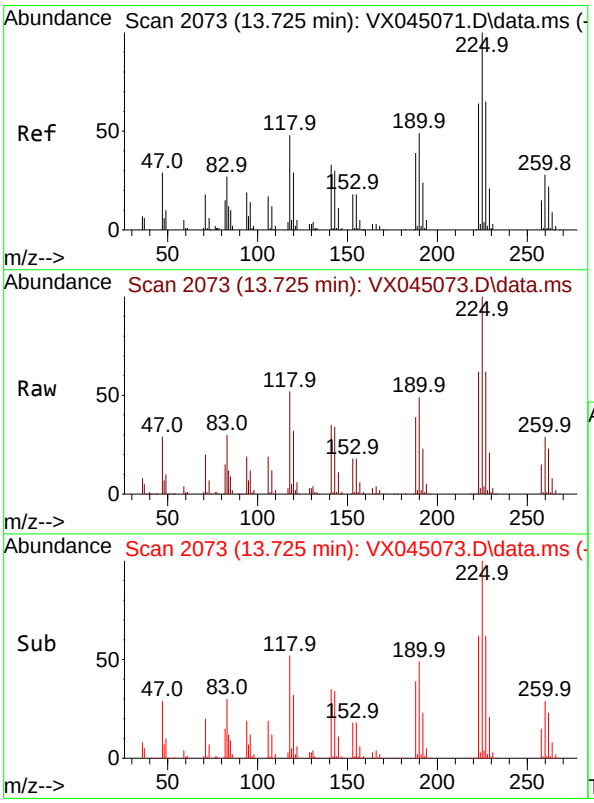
#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 219313

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9

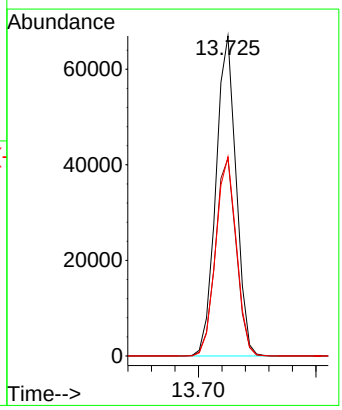


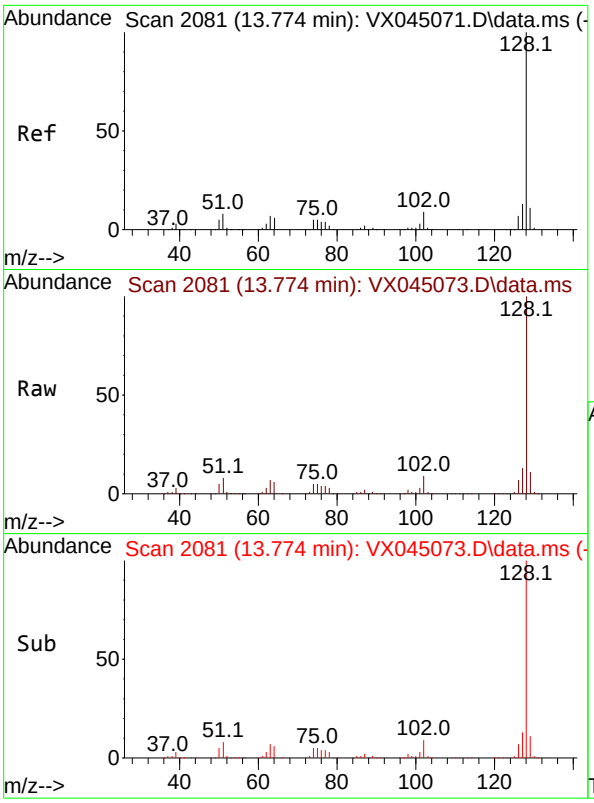


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0



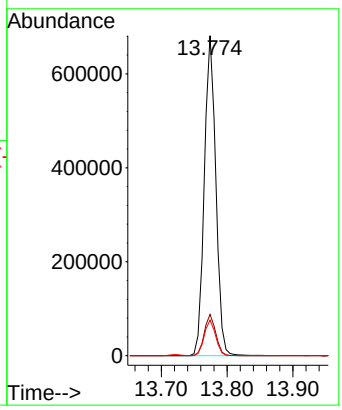


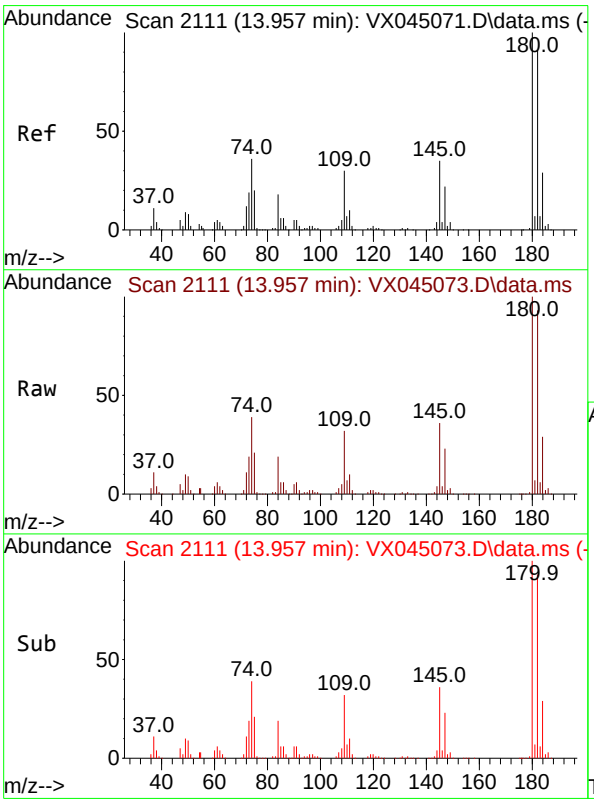
#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 828949

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

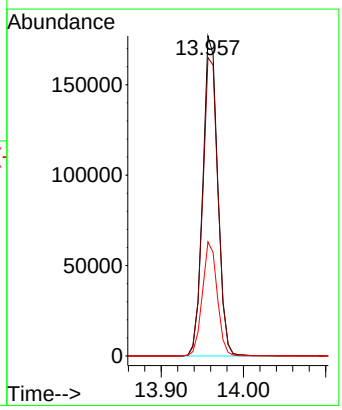




#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	102821	63.694	ug/l		87
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

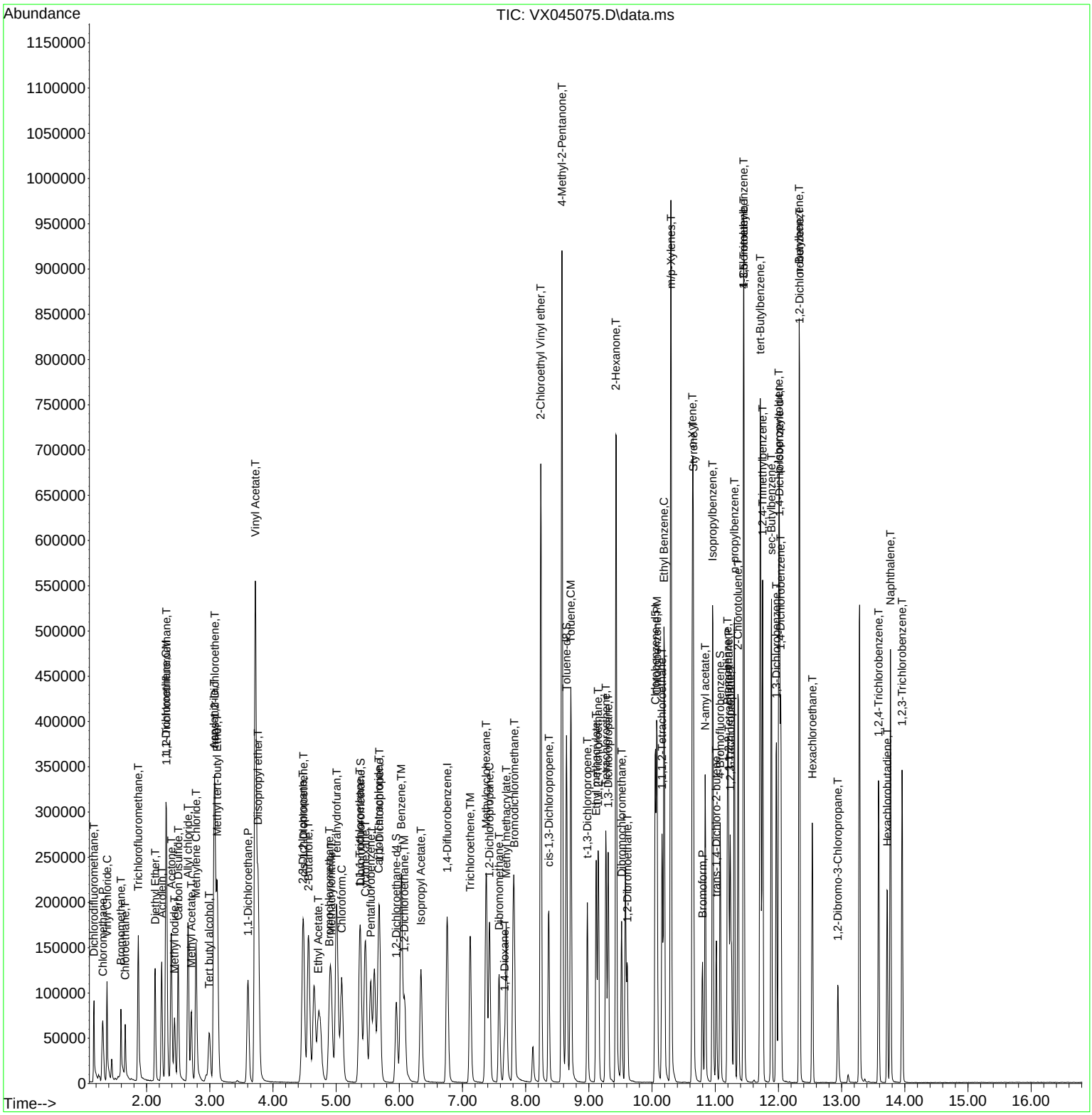
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

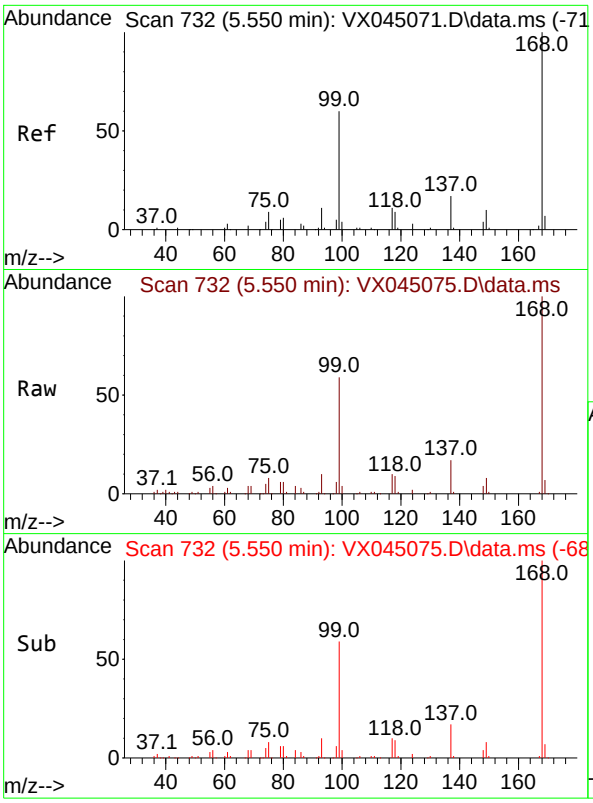
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



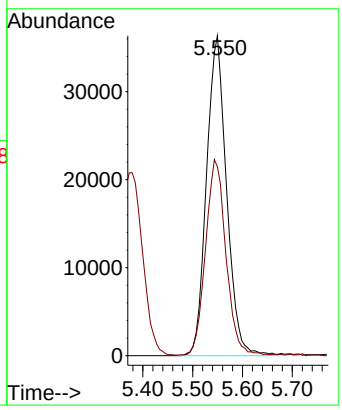


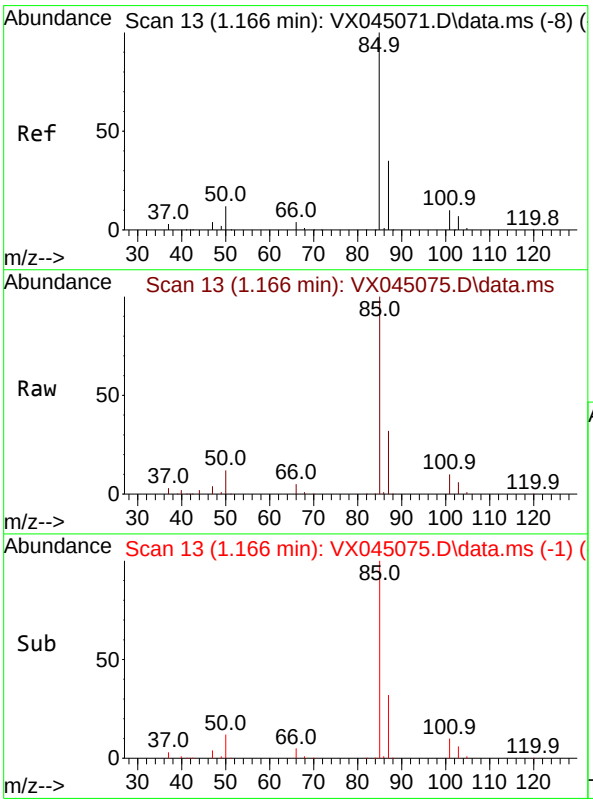
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 101603

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4

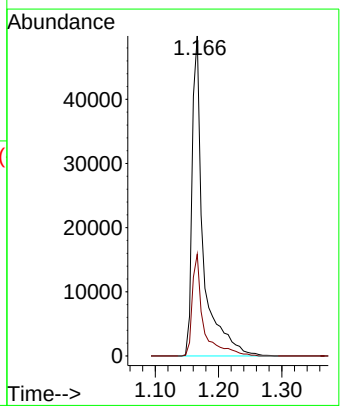


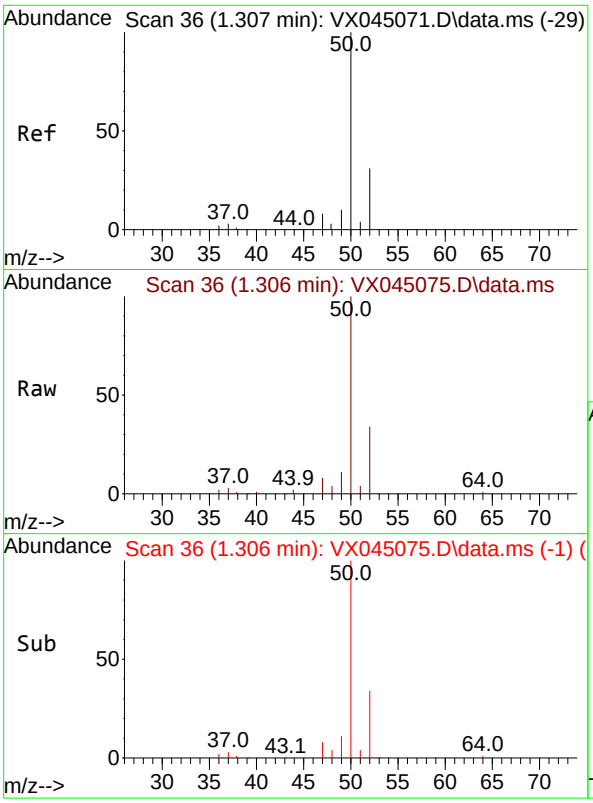


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



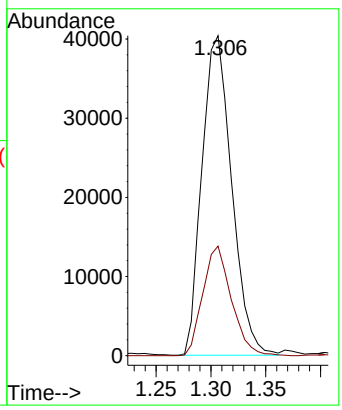


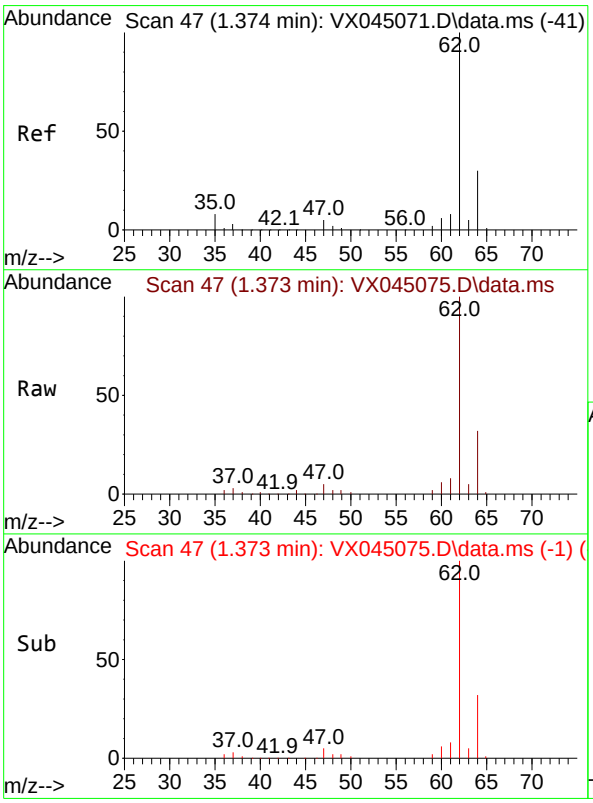
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 50 Resp: 76216

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

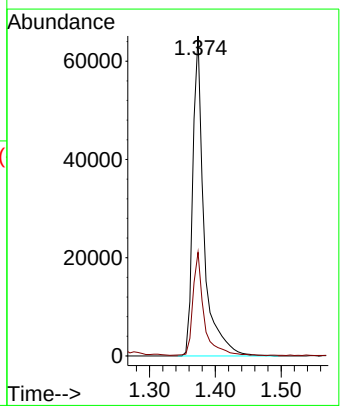


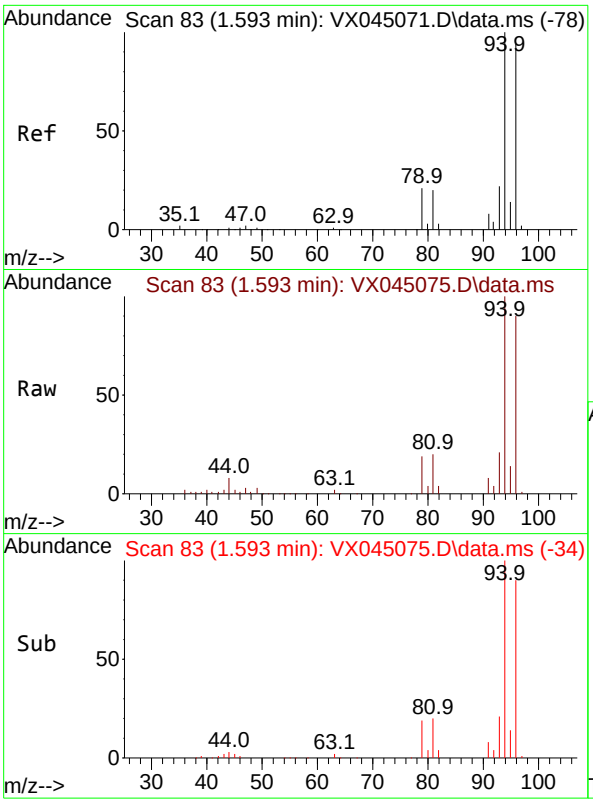


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



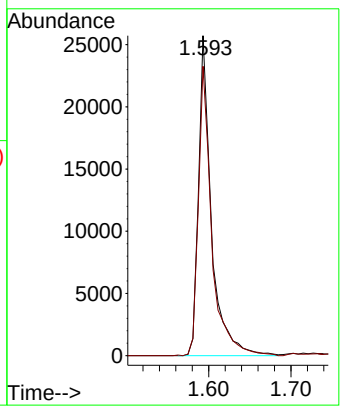


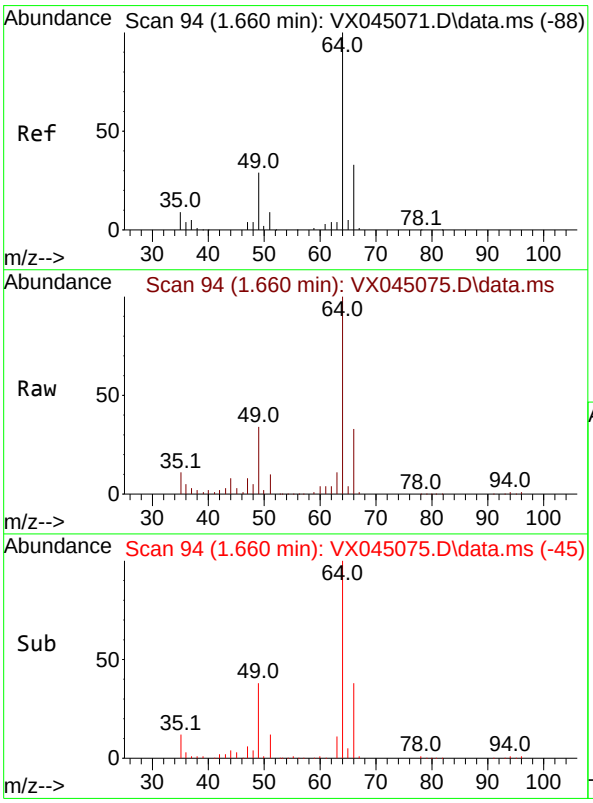
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 94 Resp: 28193

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4

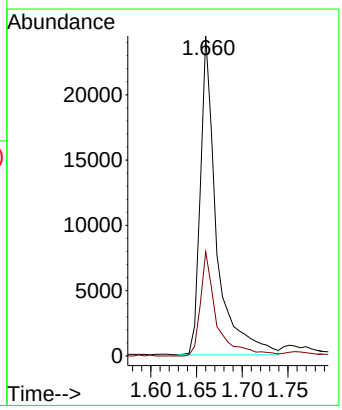


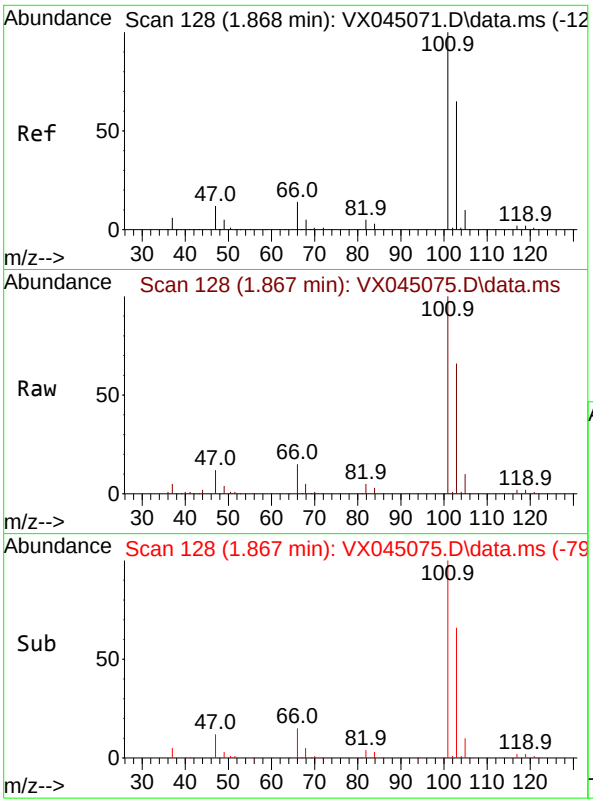


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



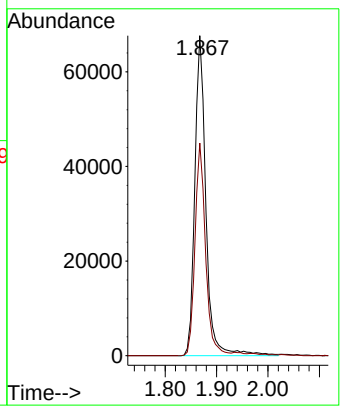


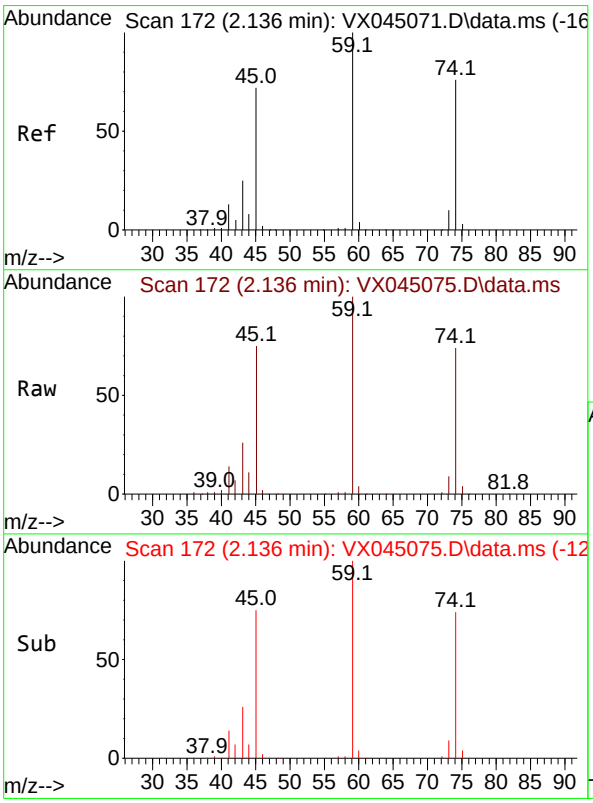
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 101886

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

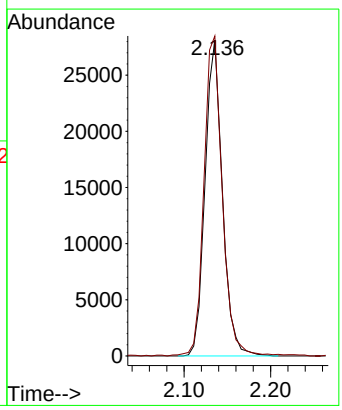


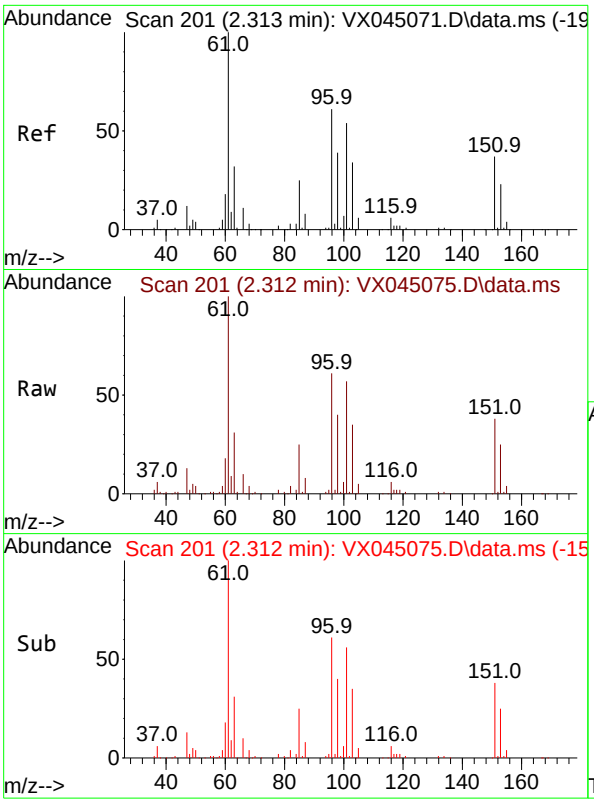


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



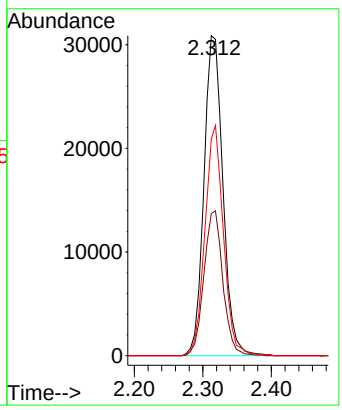


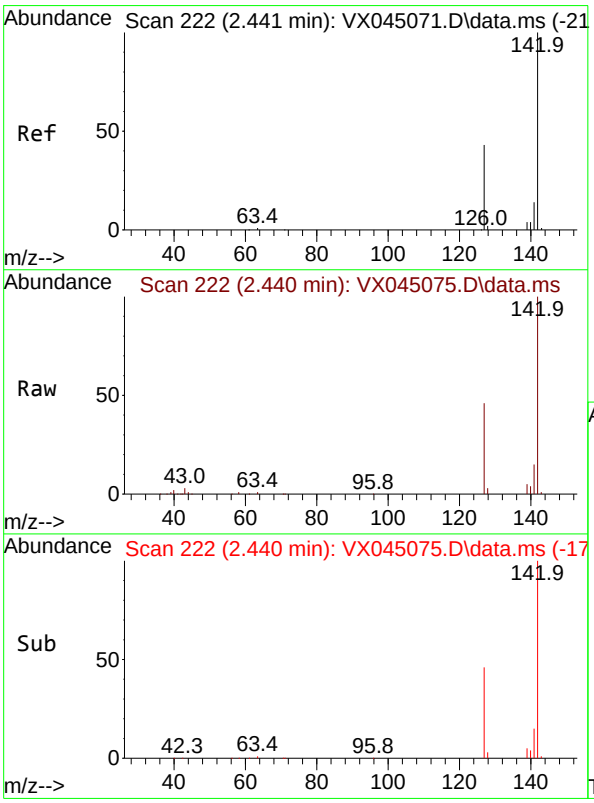
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 59477

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

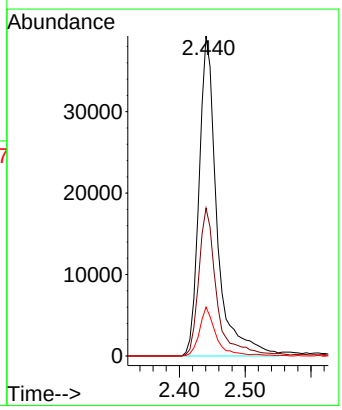


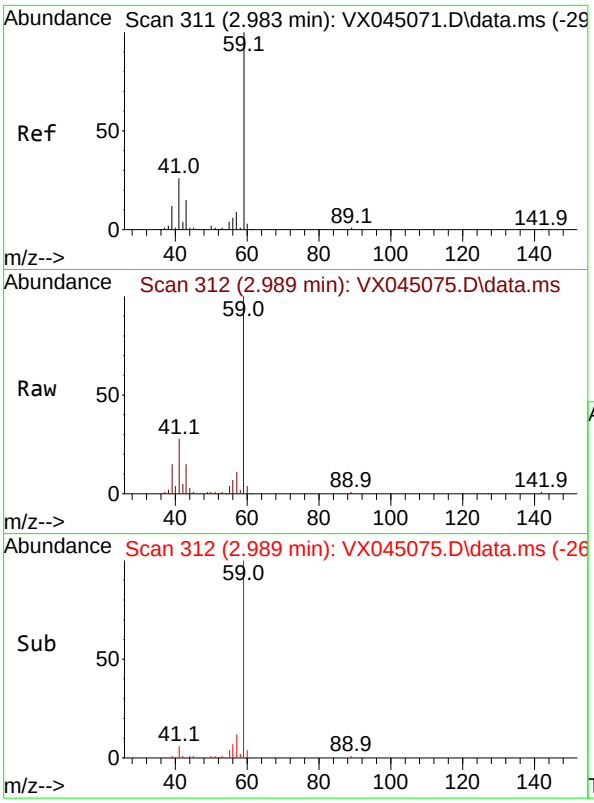


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4



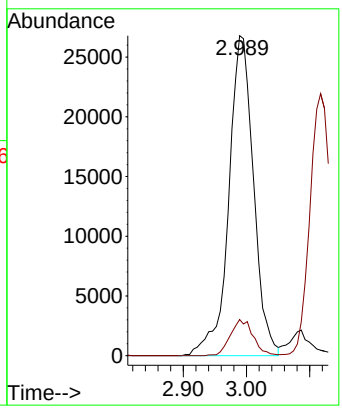


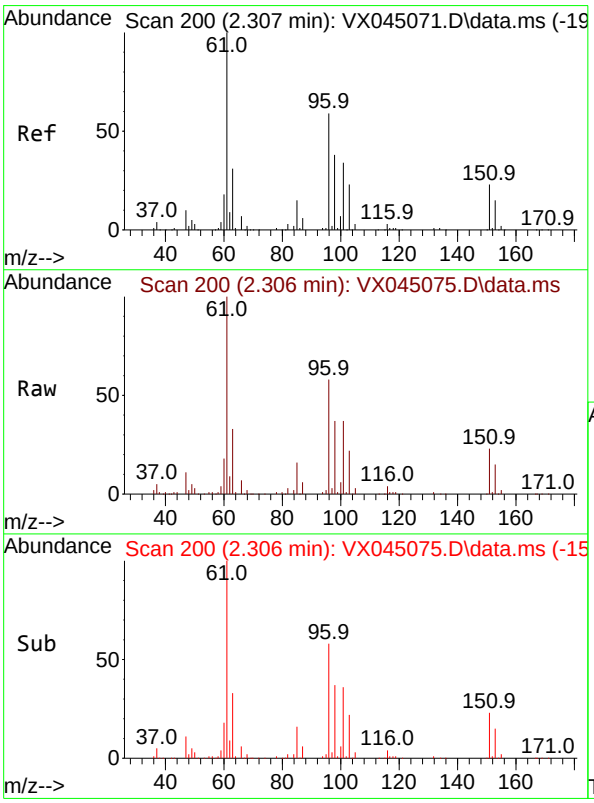
#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

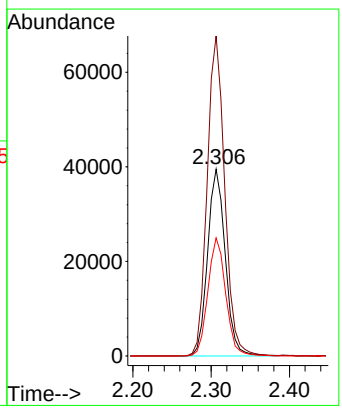


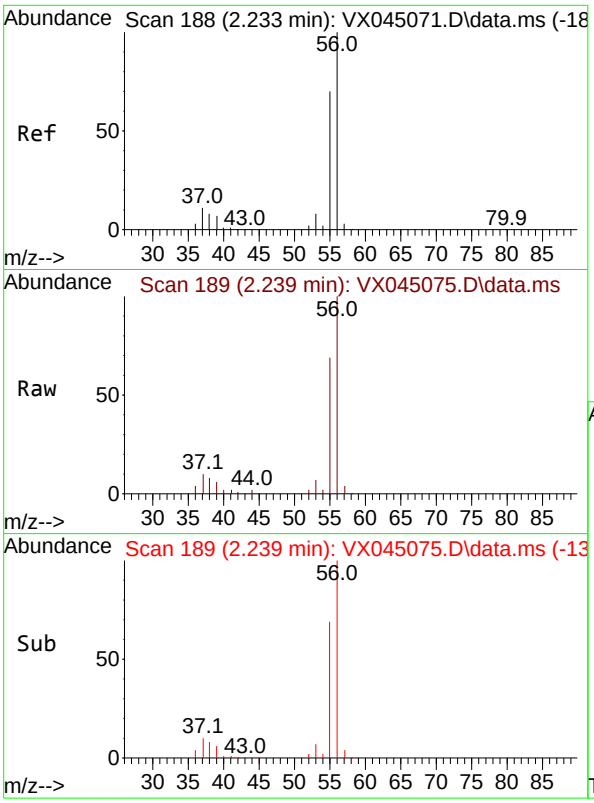


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6



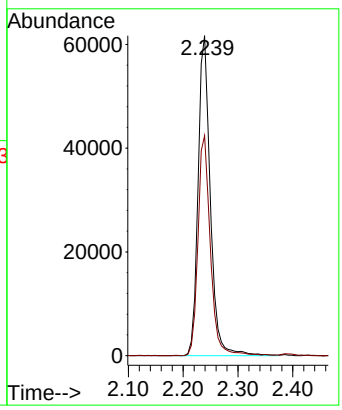


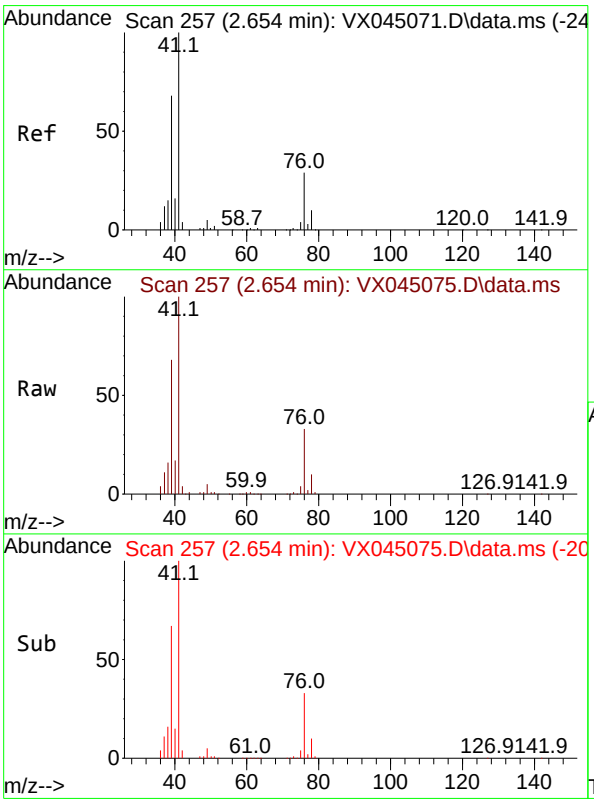
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4

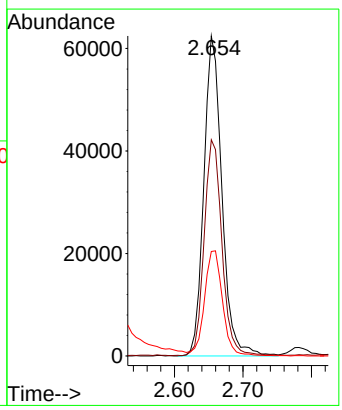


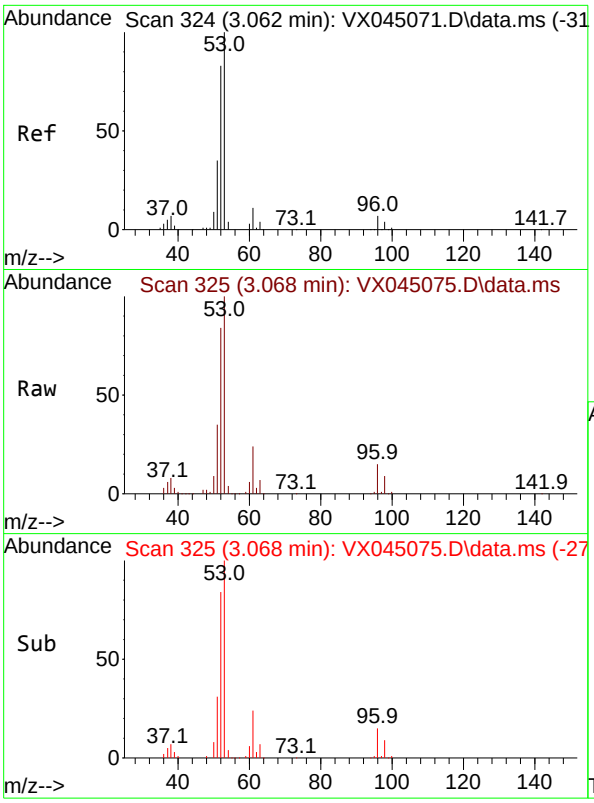


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8



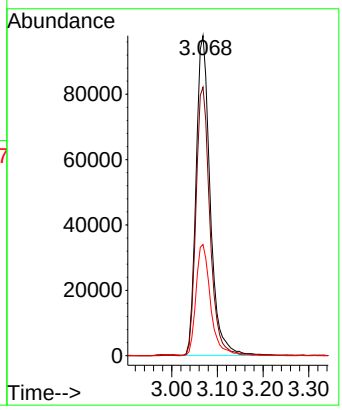


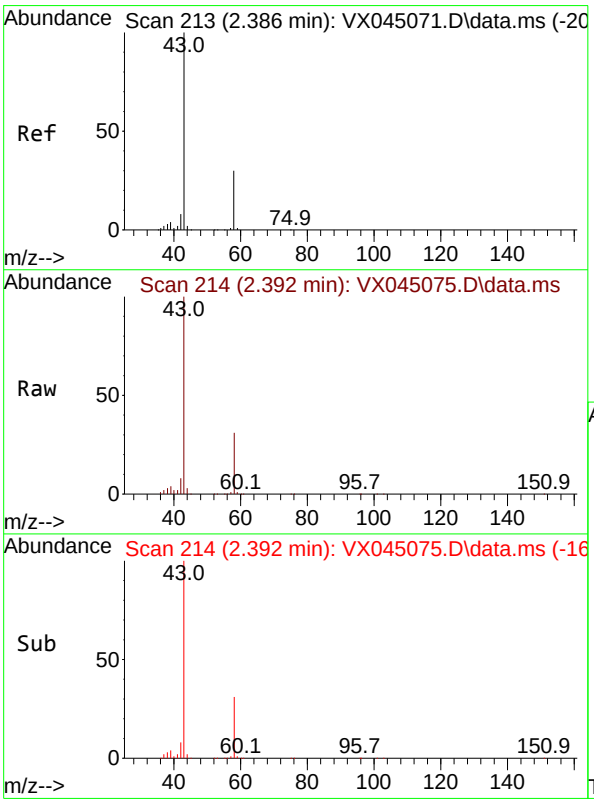
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 53 Resp: 209607

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4

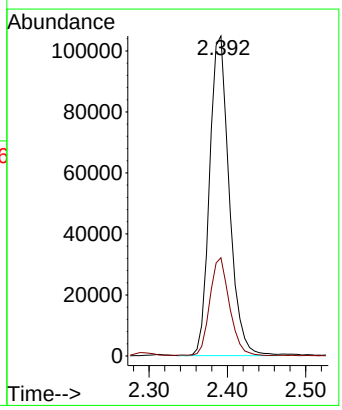


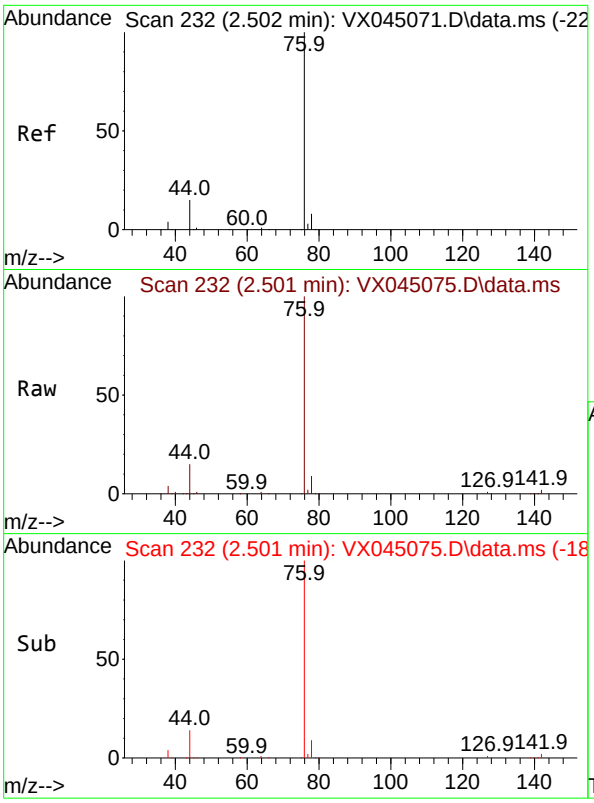


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



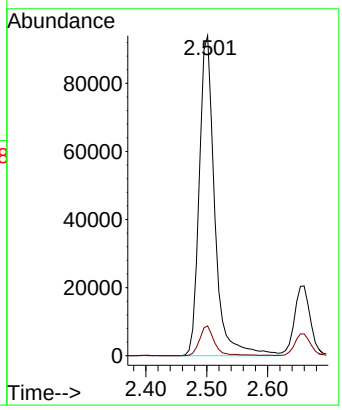


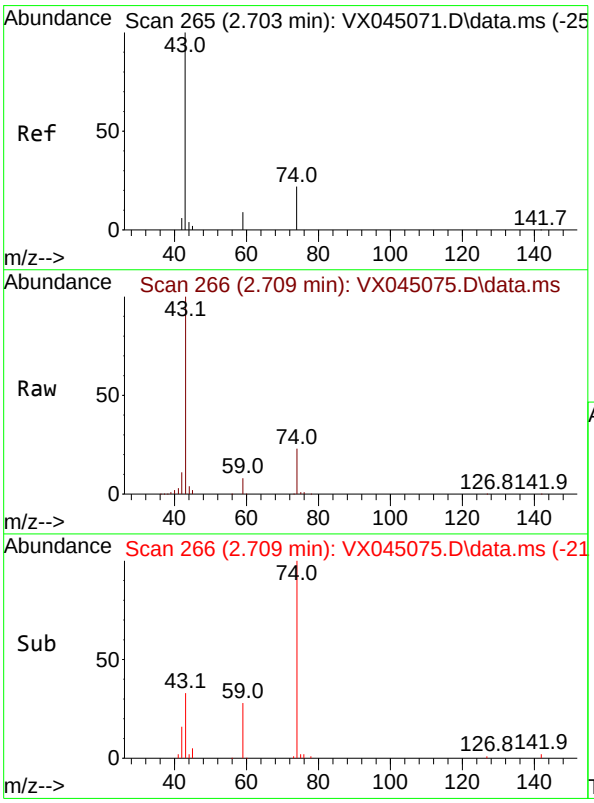
#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 166105

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

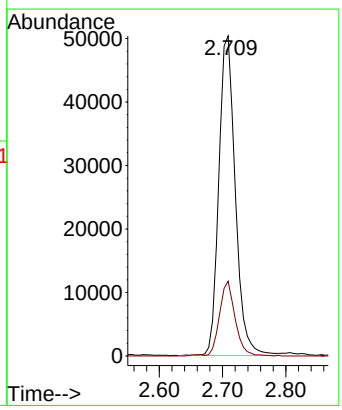


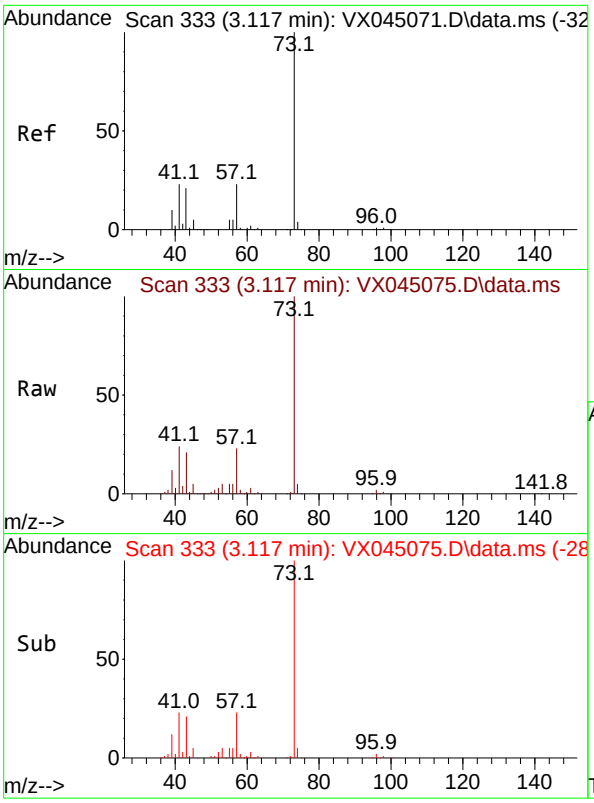


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



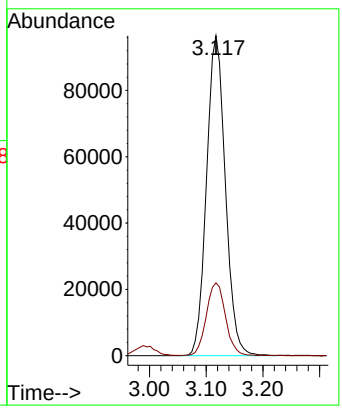


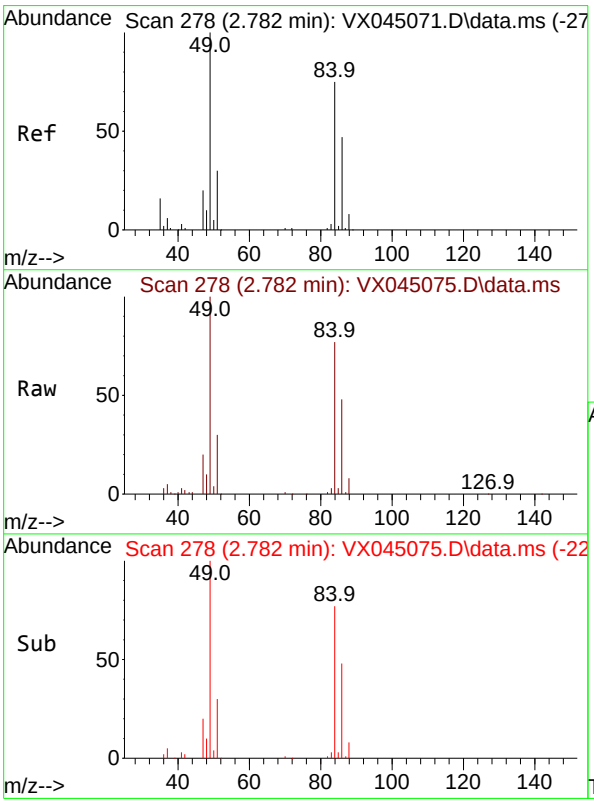
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

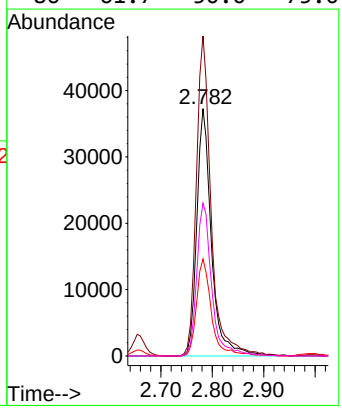


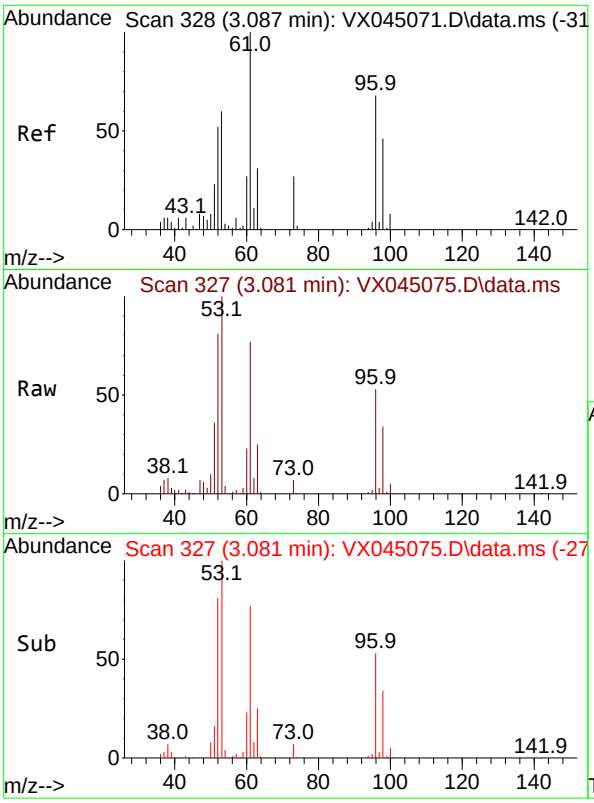


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0



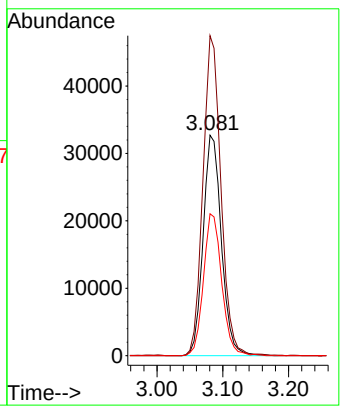


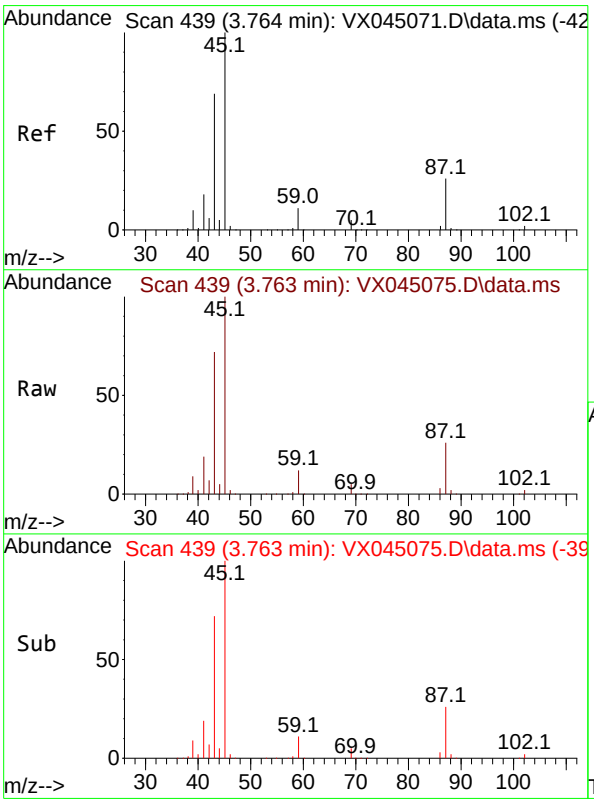
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 63117

Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2

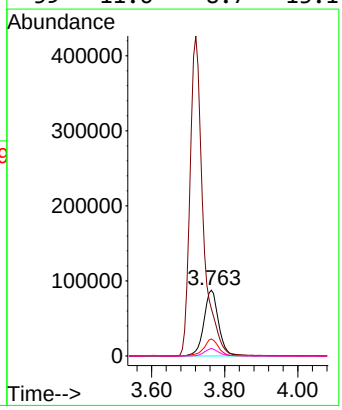


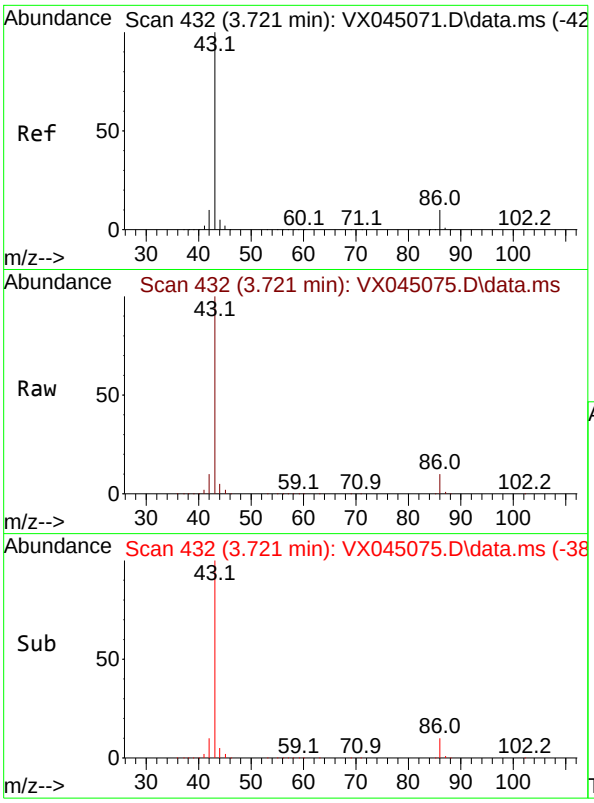


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1



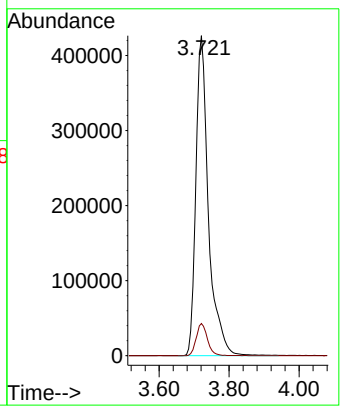


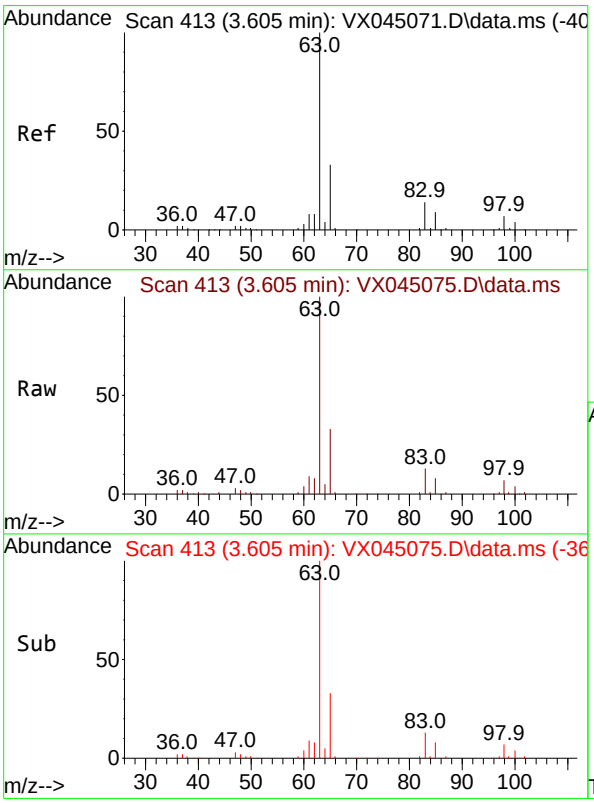
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 1064817

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

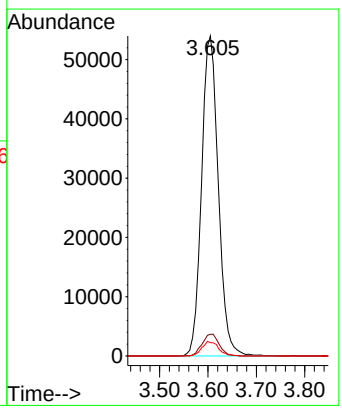


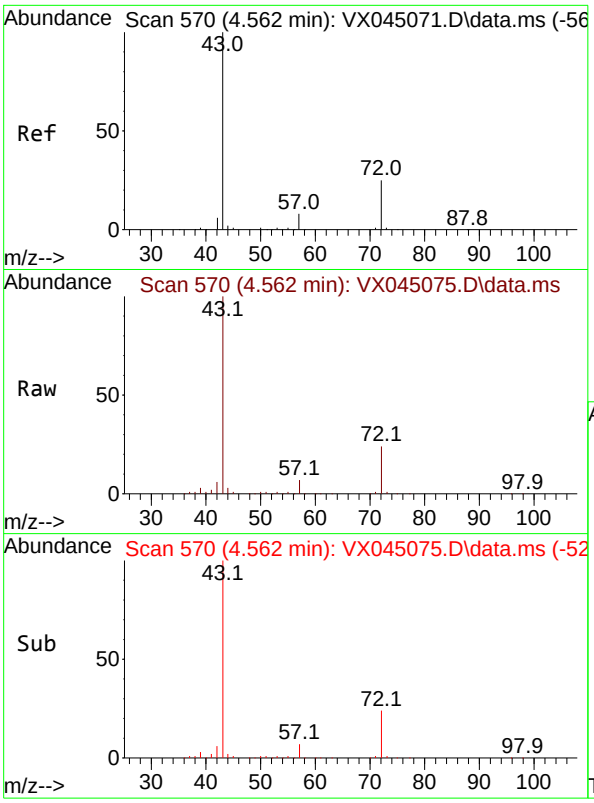


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5



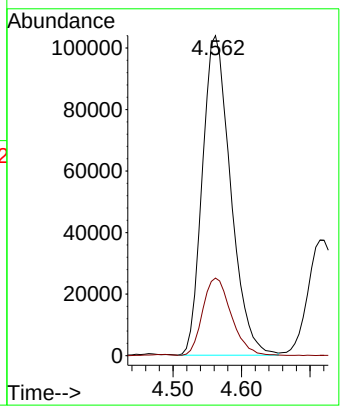


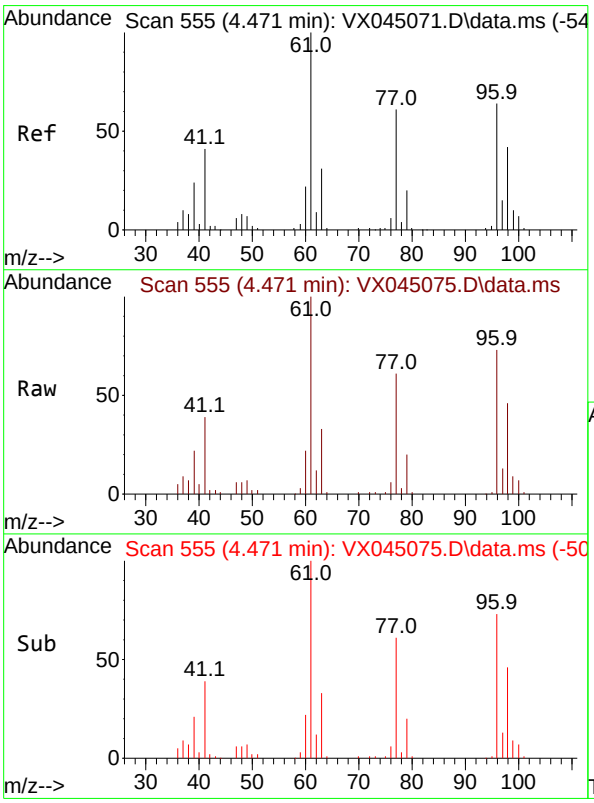
#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 298021

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

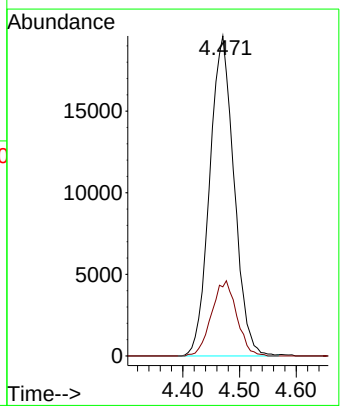


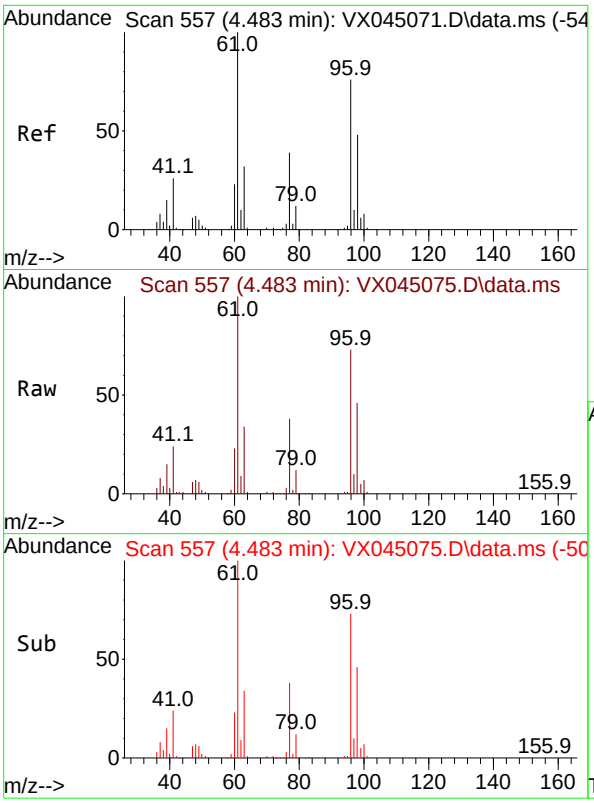


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



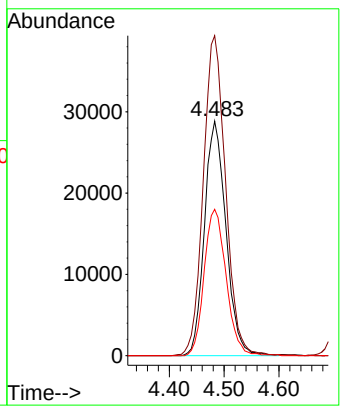


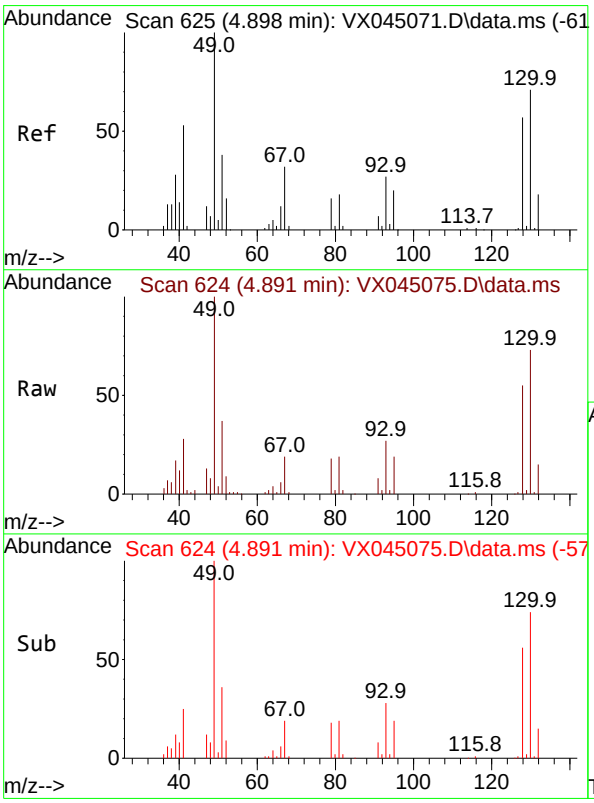
#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 78576

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0

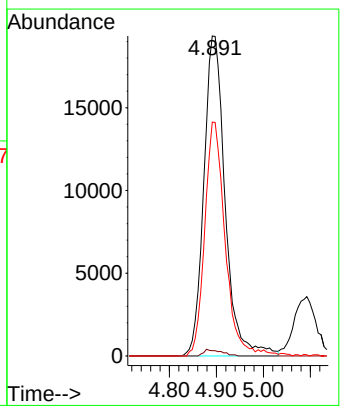


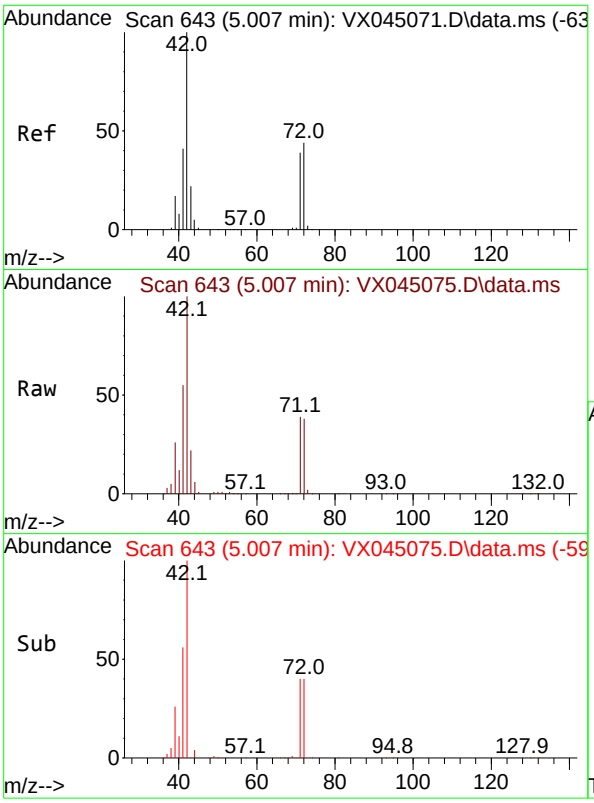


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1



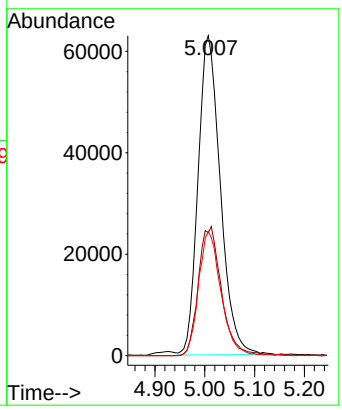


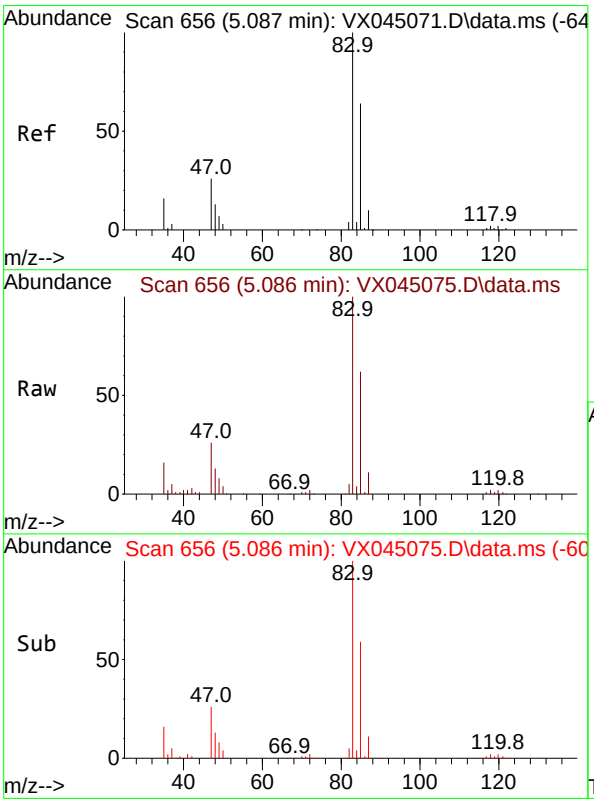
#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 42 Resp: 195768

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

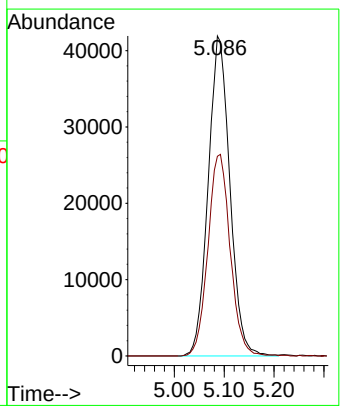


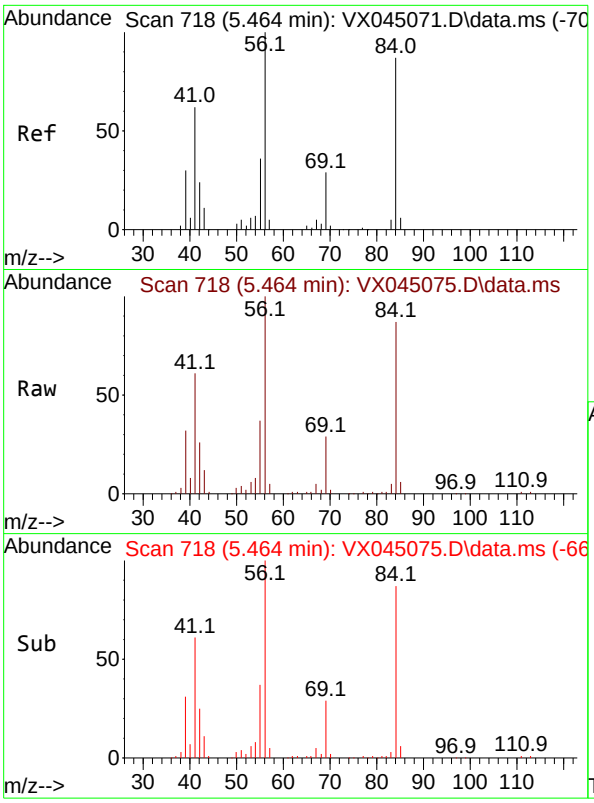


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



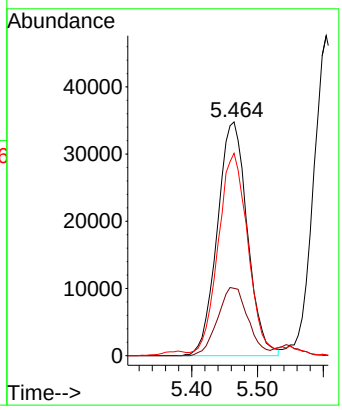


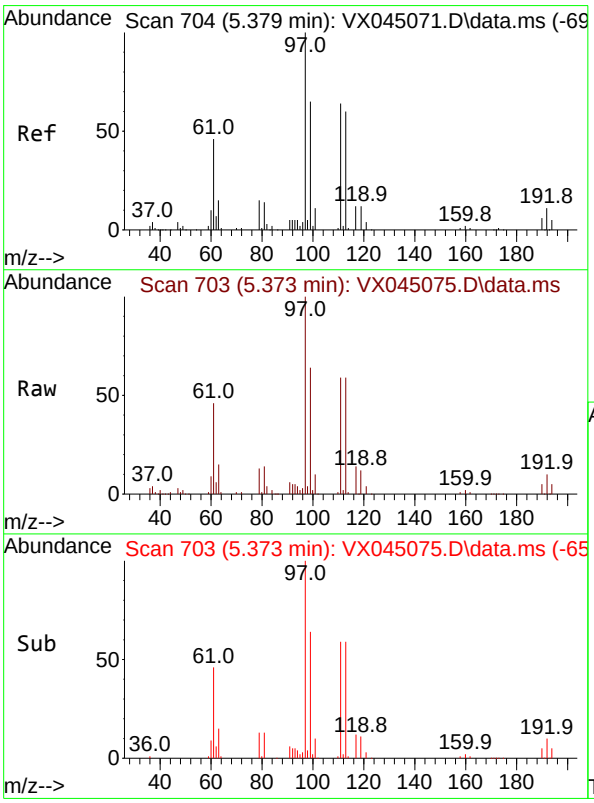
#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 110288

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2

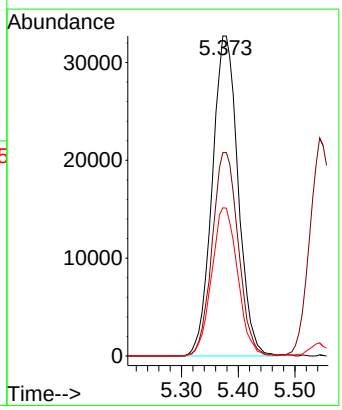


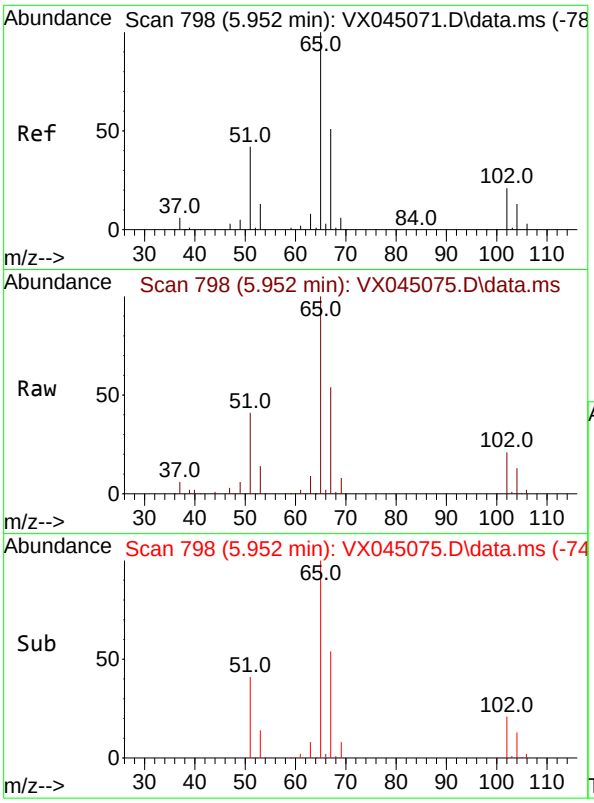


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6



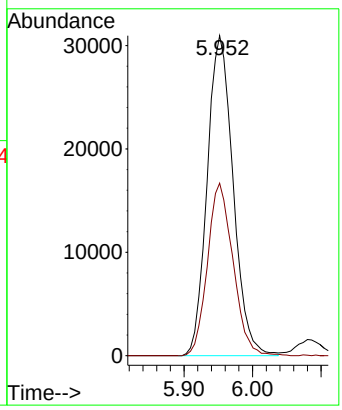


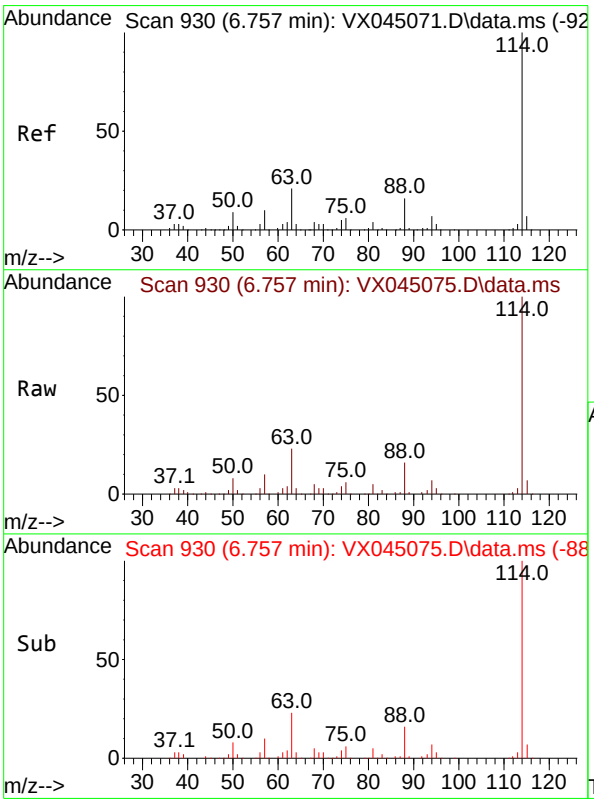
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

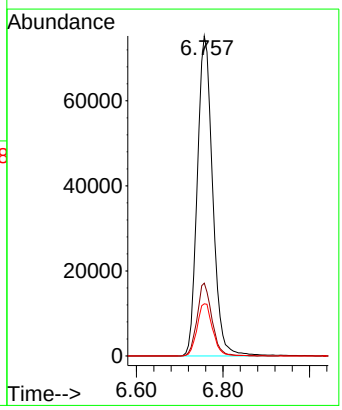


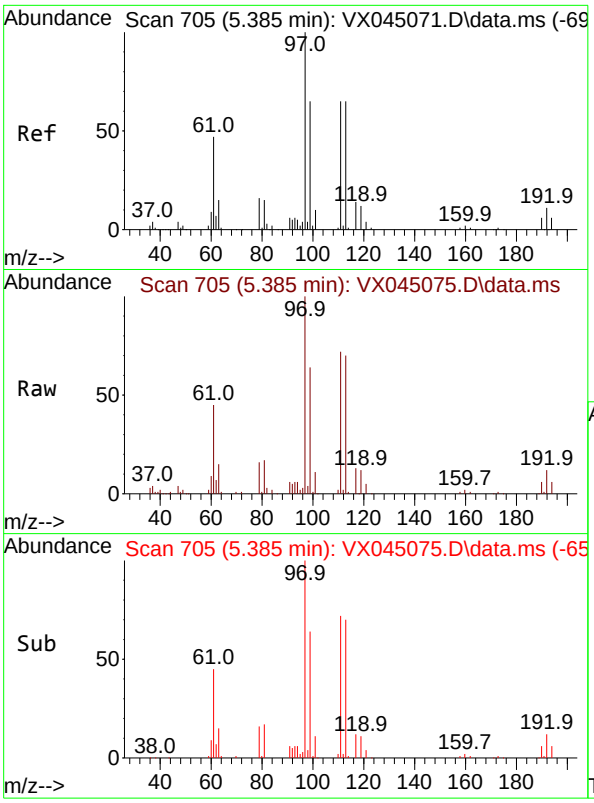


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8



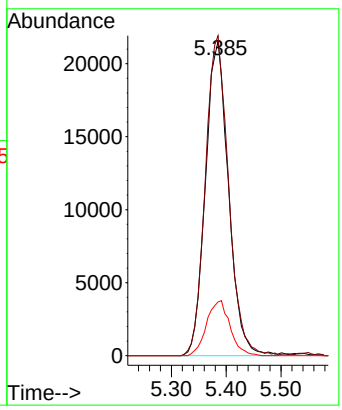


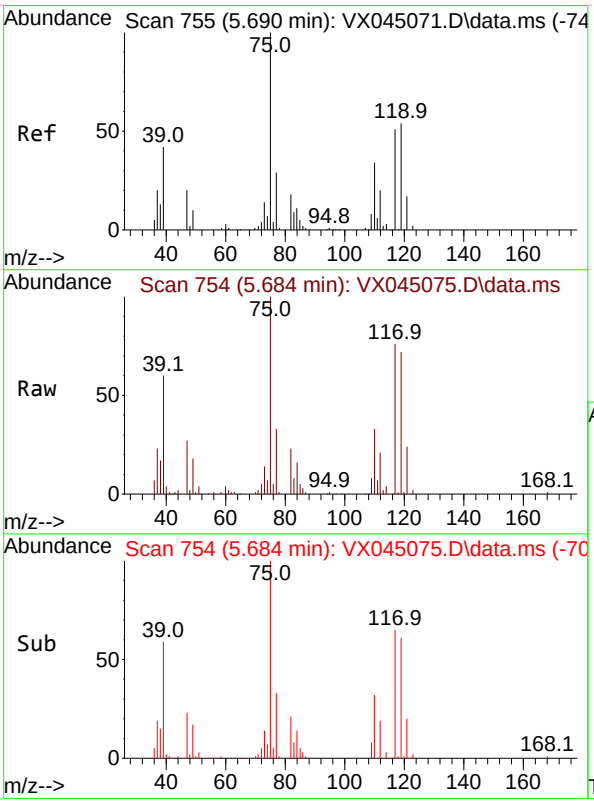
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:113 Resp: 62880

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5

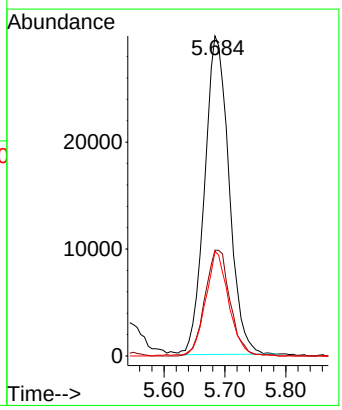


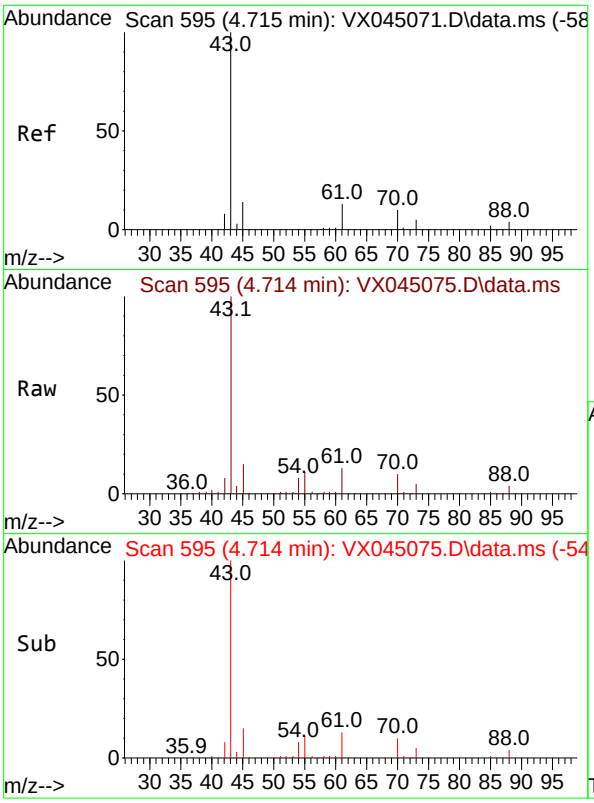


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7



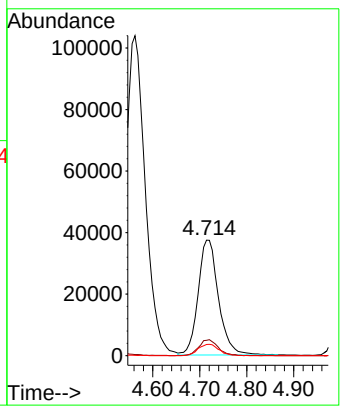


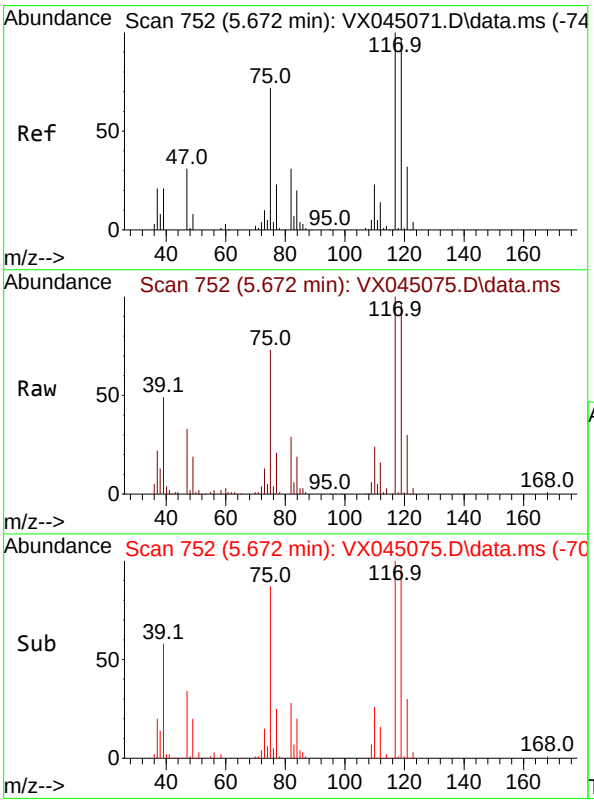
#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 112768

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5

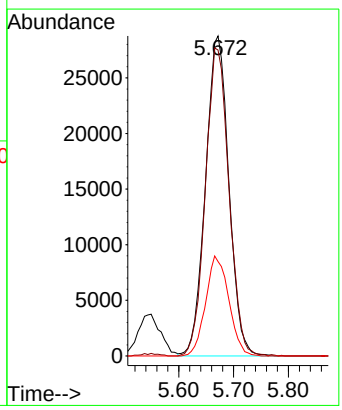


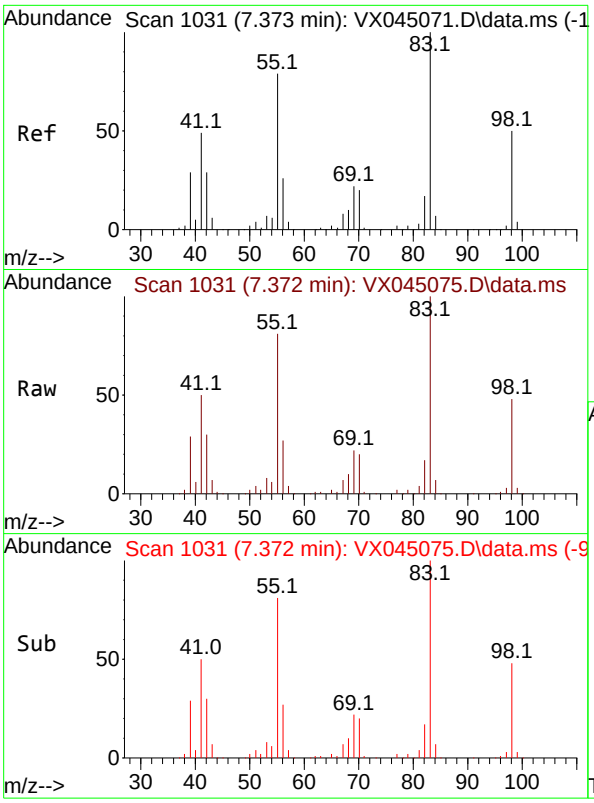


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3



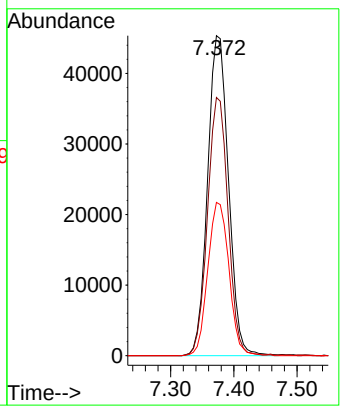


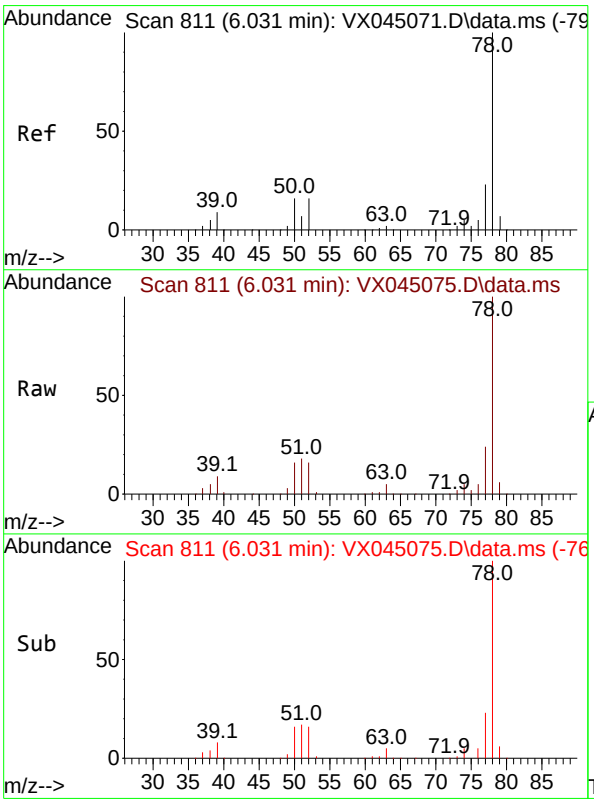
#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 103996

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5

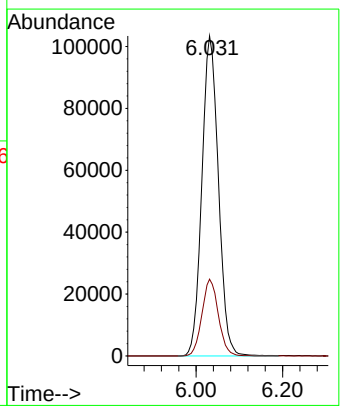


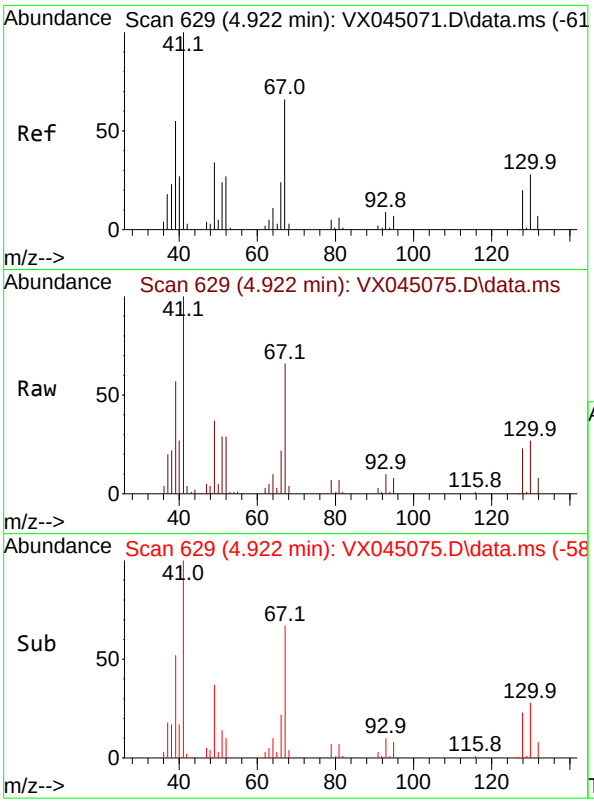


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



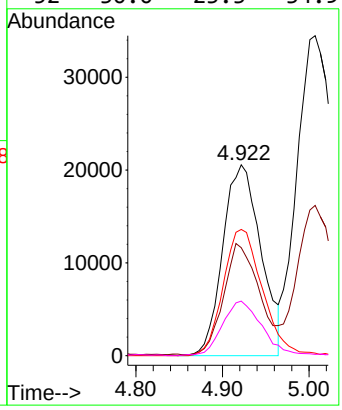


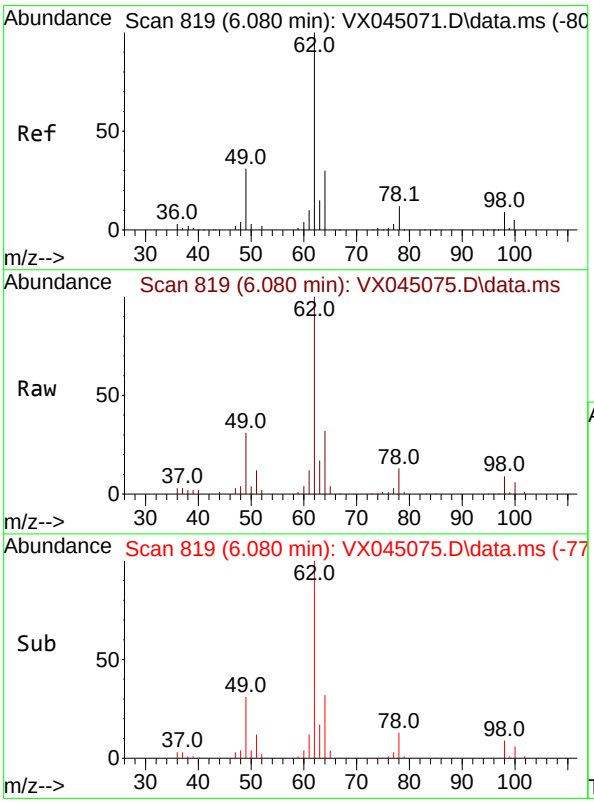
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 41 Resp: 63051

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9

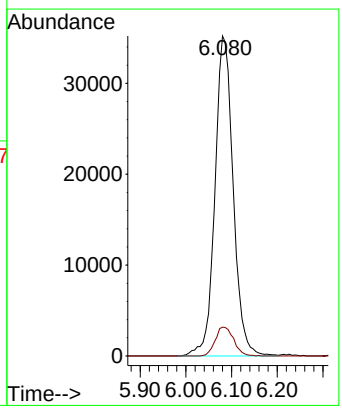


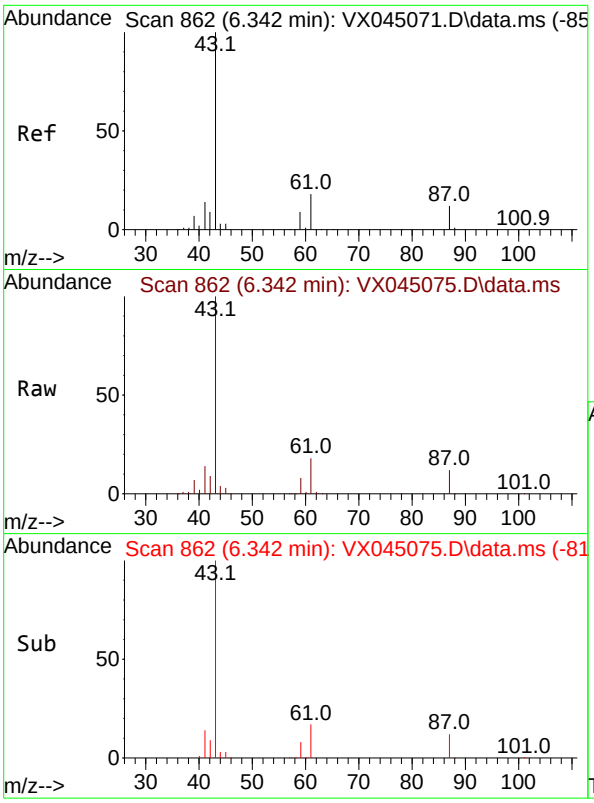


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



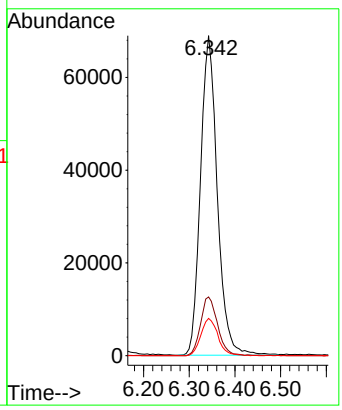


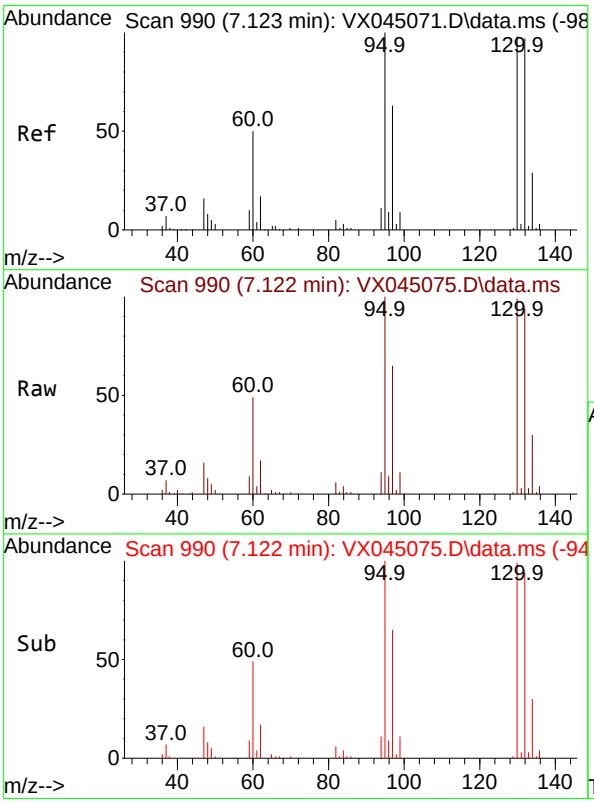
#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 175982

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

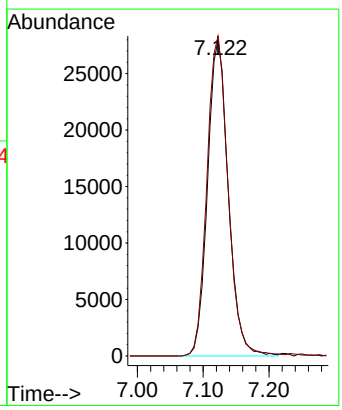


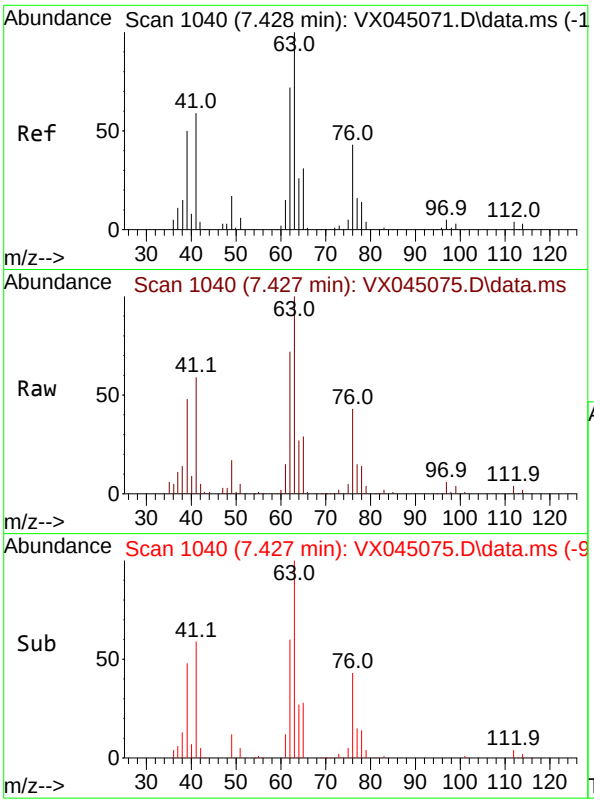


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0



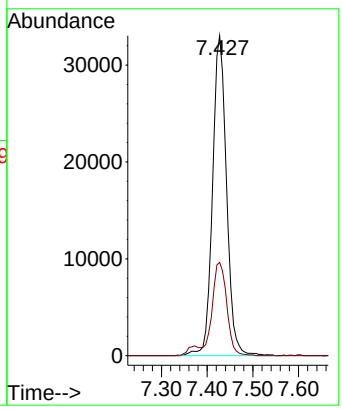


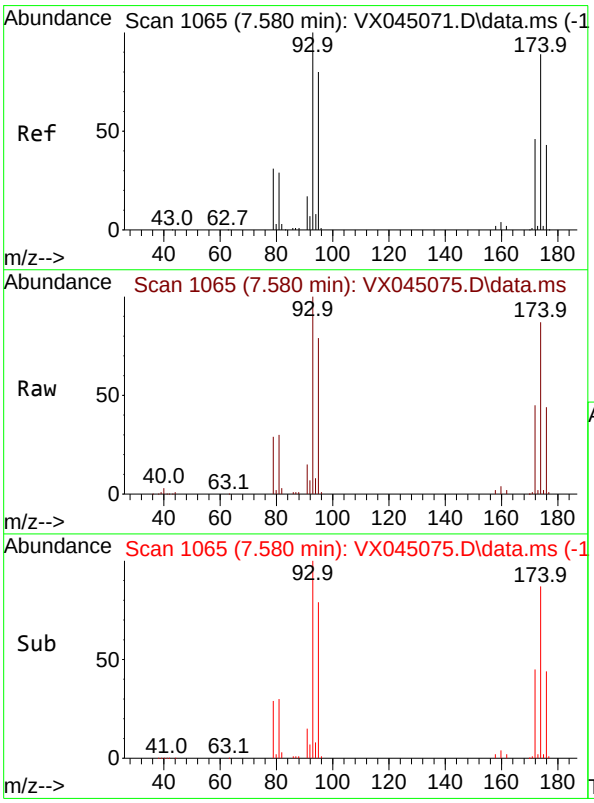
#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

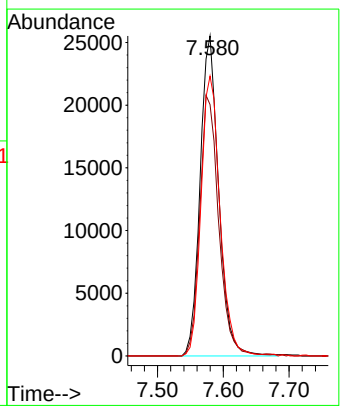


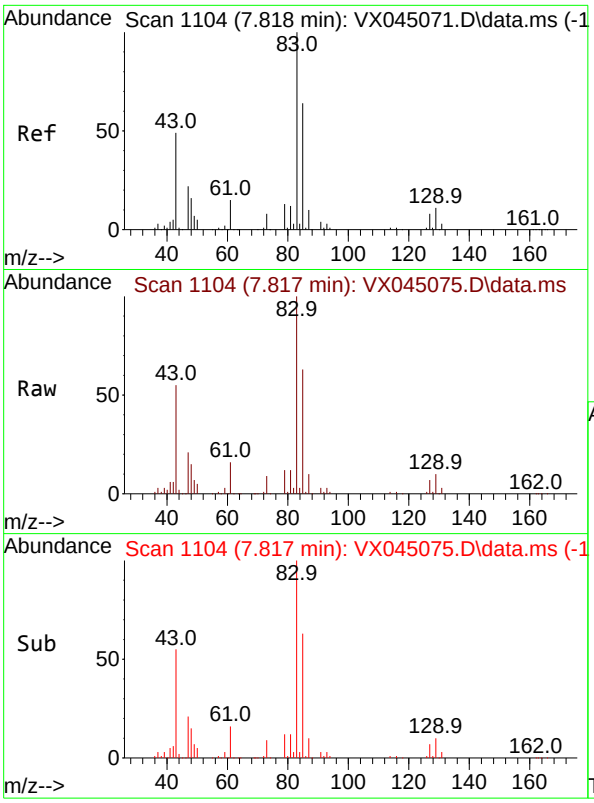


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2



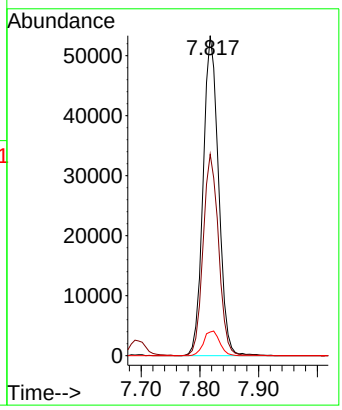


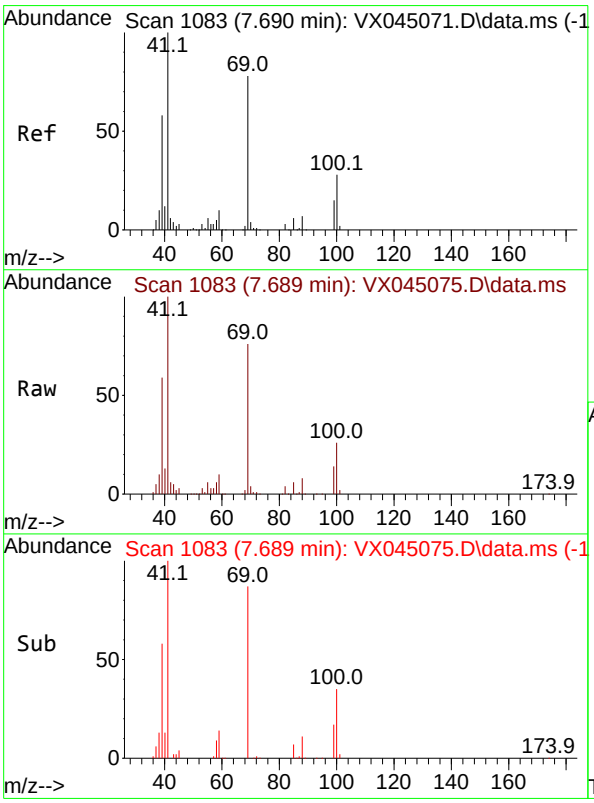
#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 97236

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6

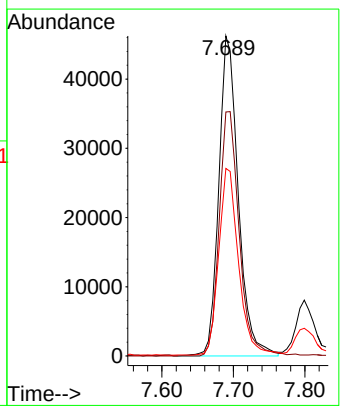


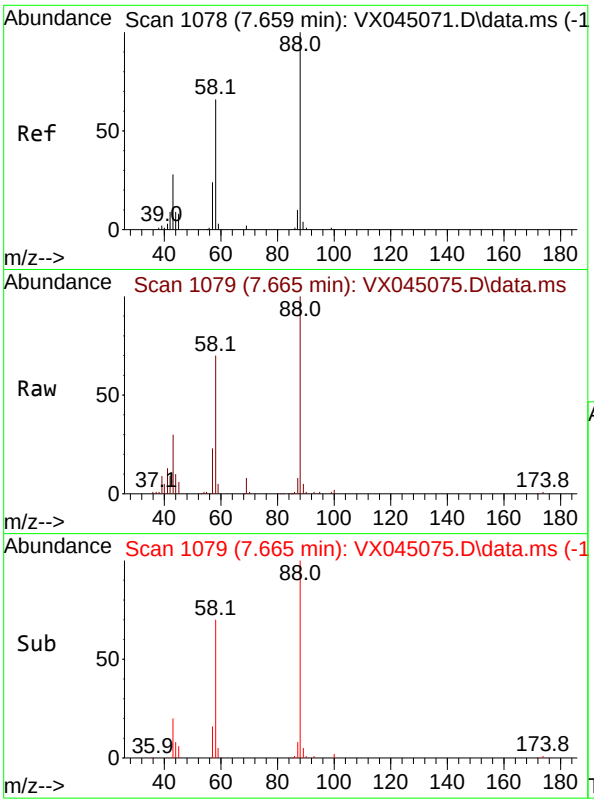


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3



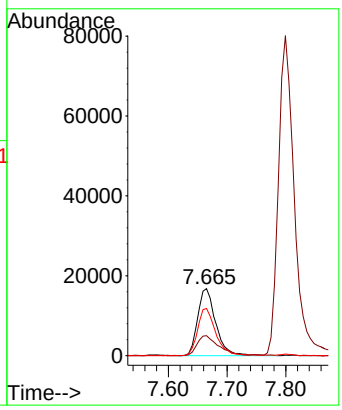


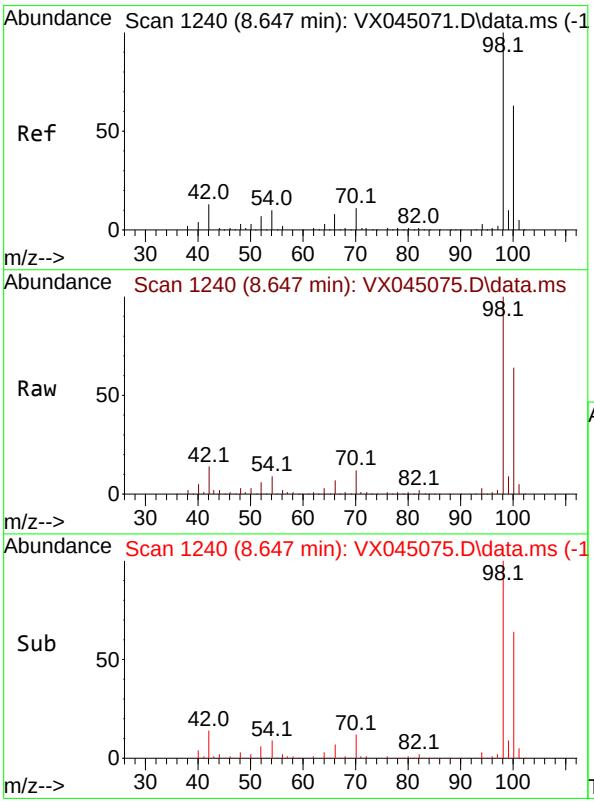
#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 88 Resp: 35878

Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

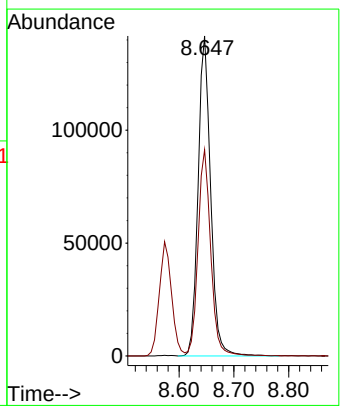


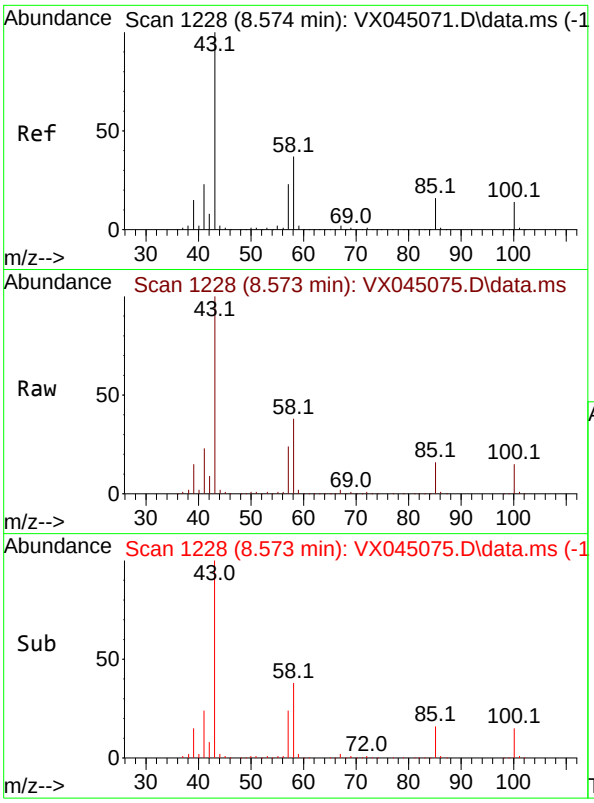


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



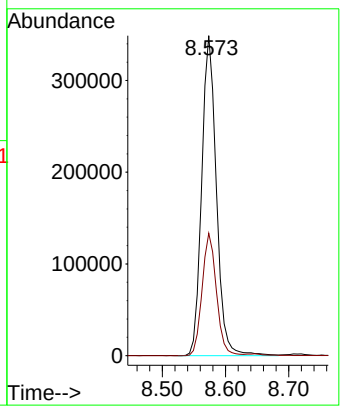


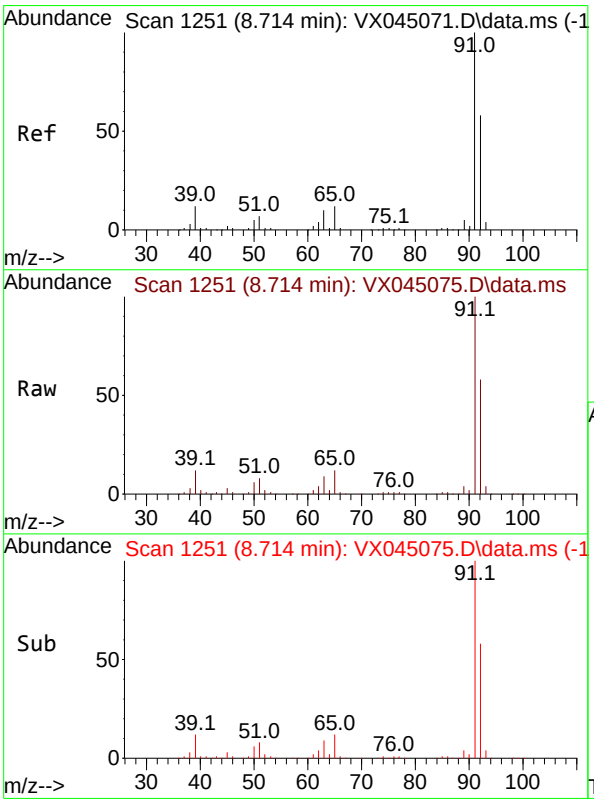
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 564197

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

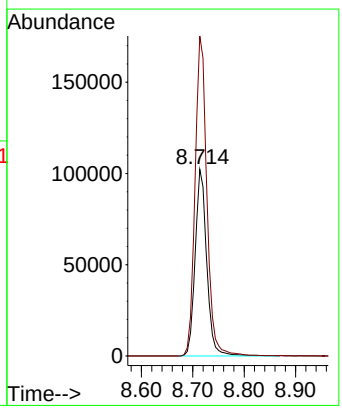


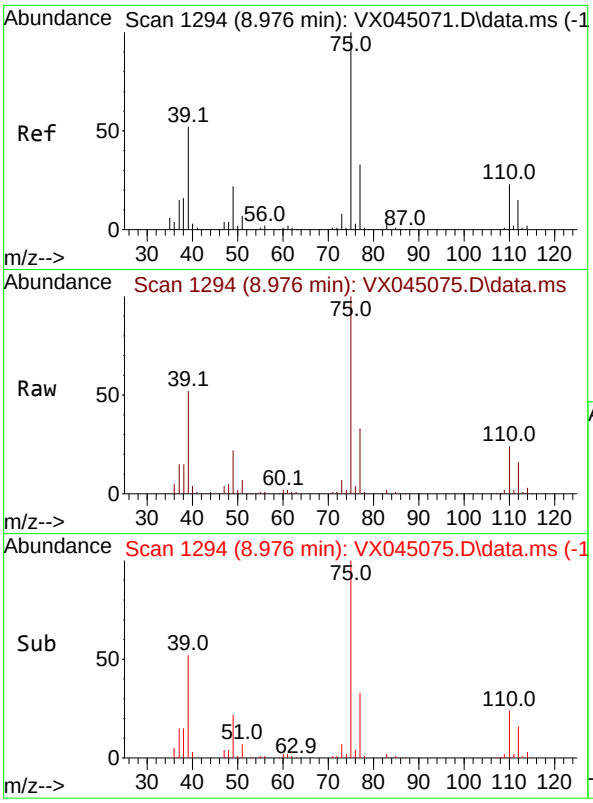


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3



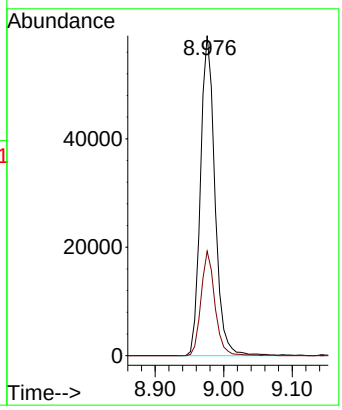


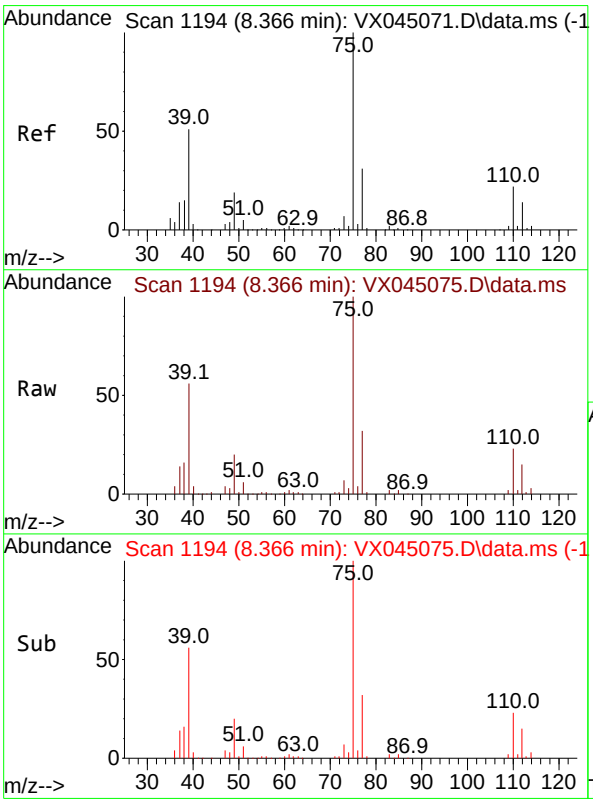
#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

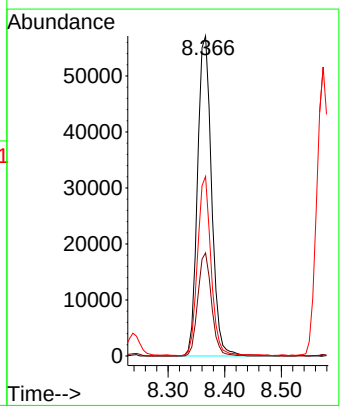


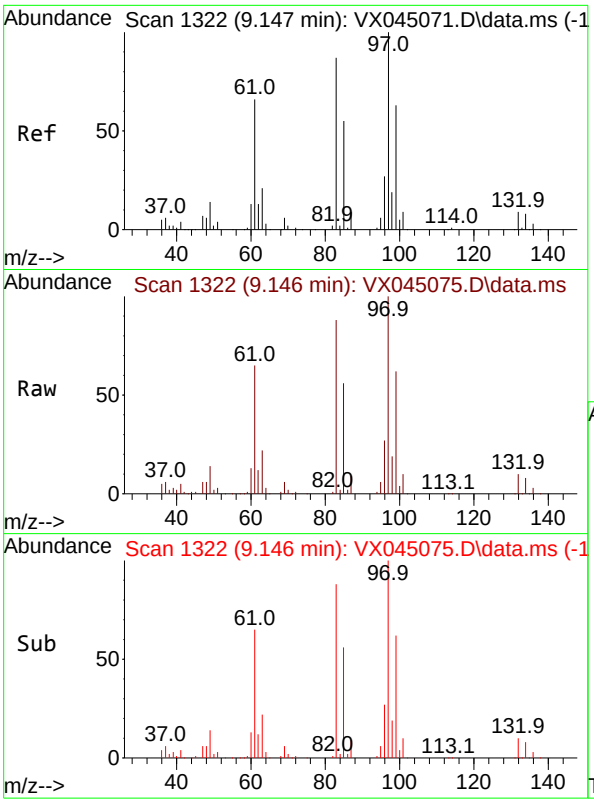


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1



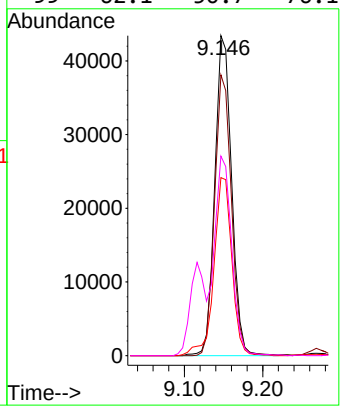


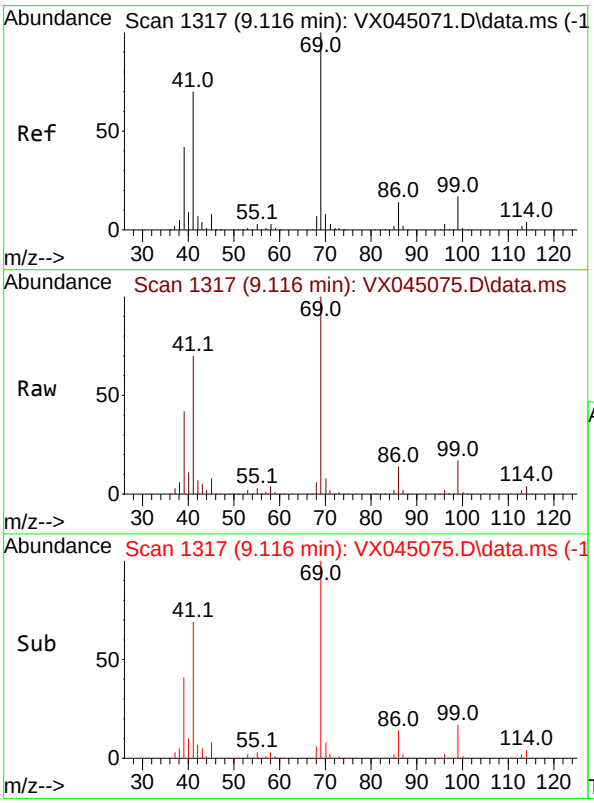
#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 97 Resp: 64985

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1

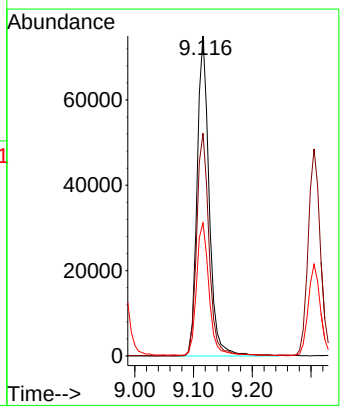


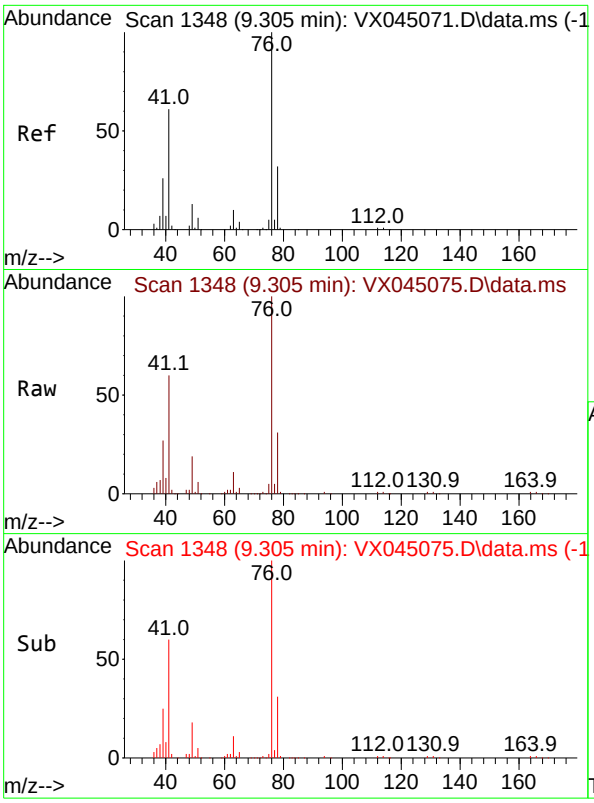


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4



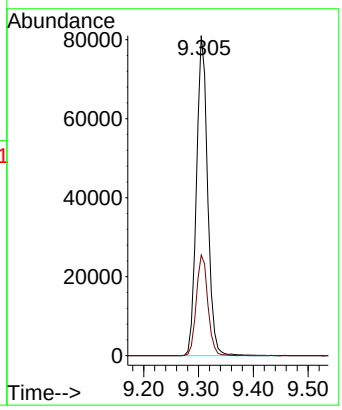


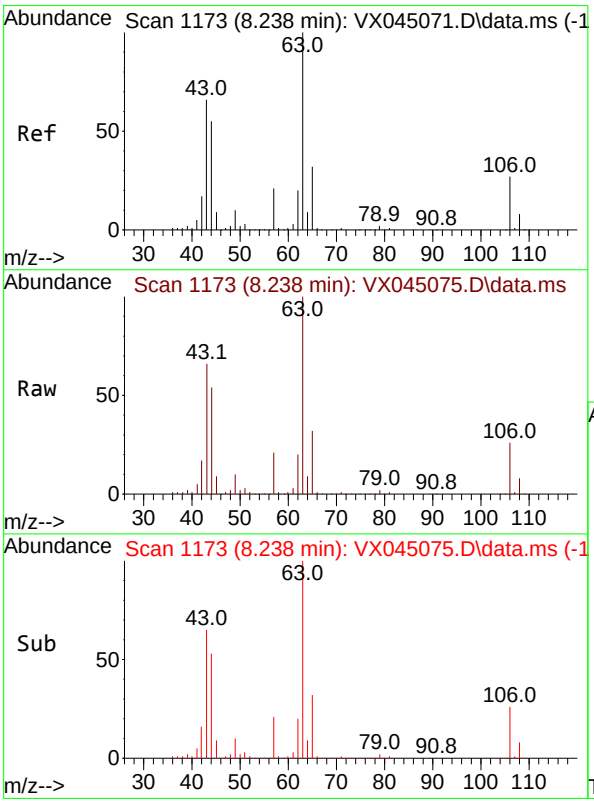
#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

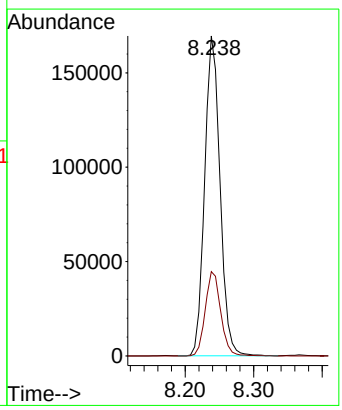


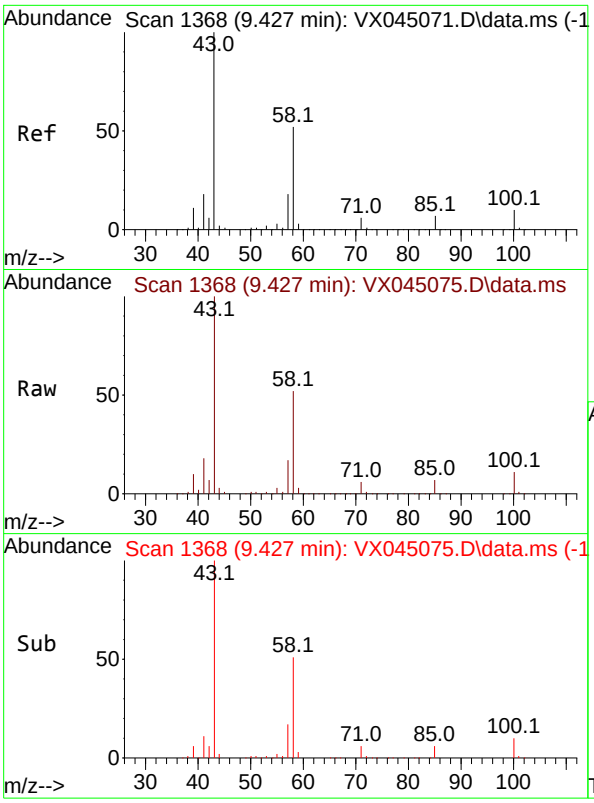


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



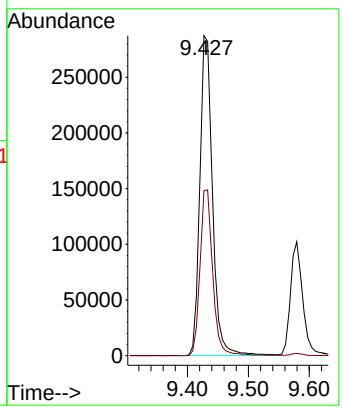


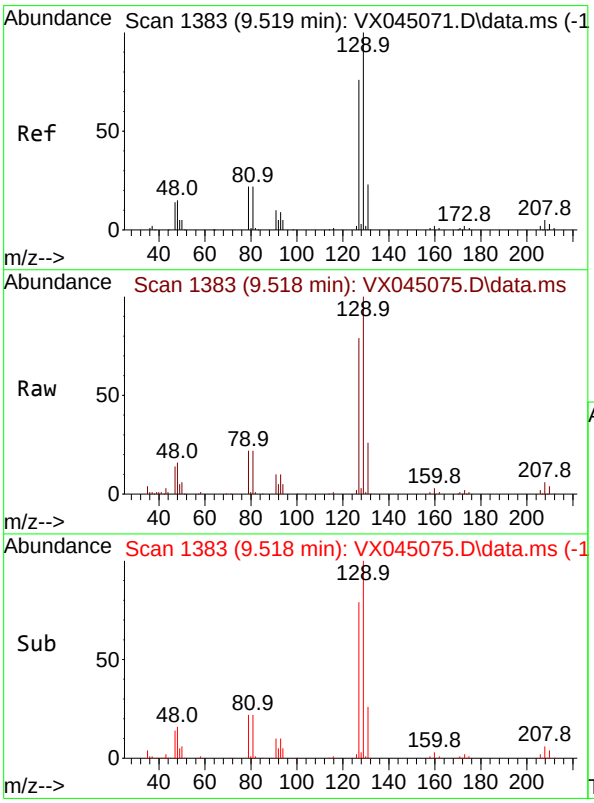
#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 416731

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

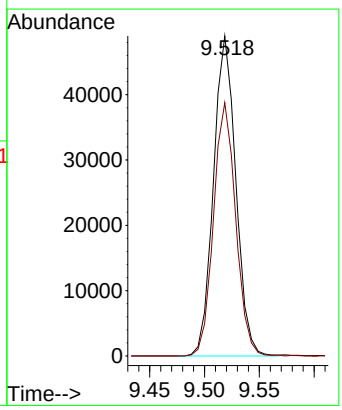


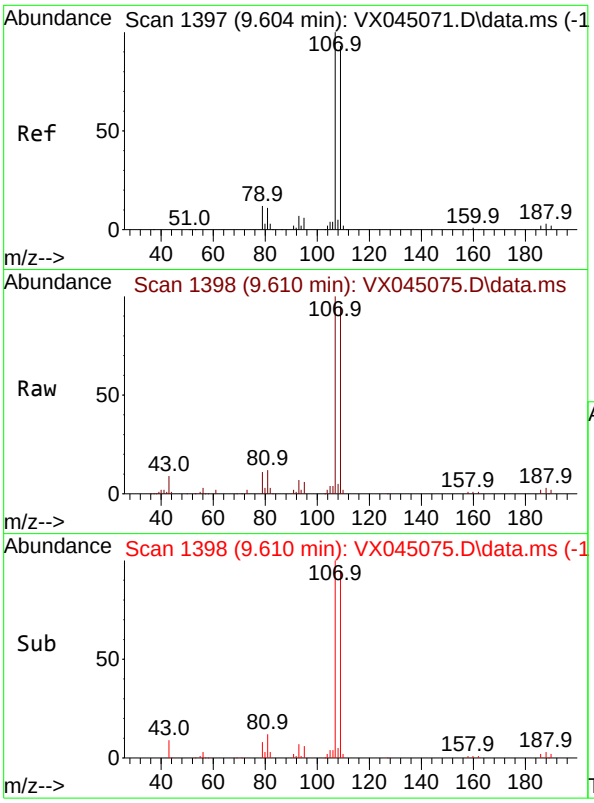


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



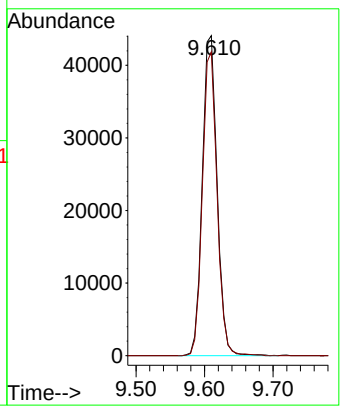


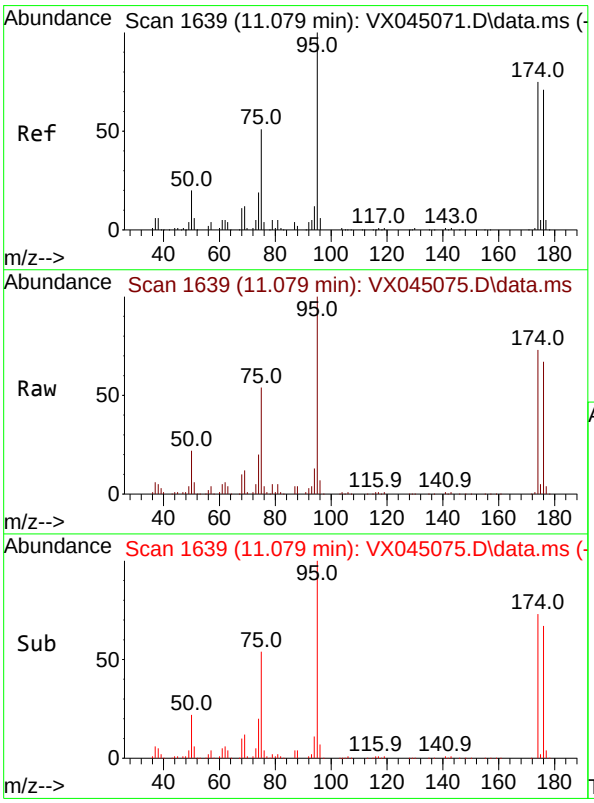
#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:107 Resp: 66501

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

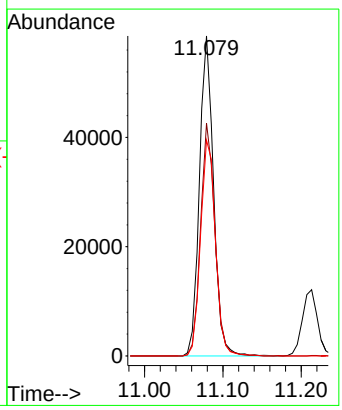


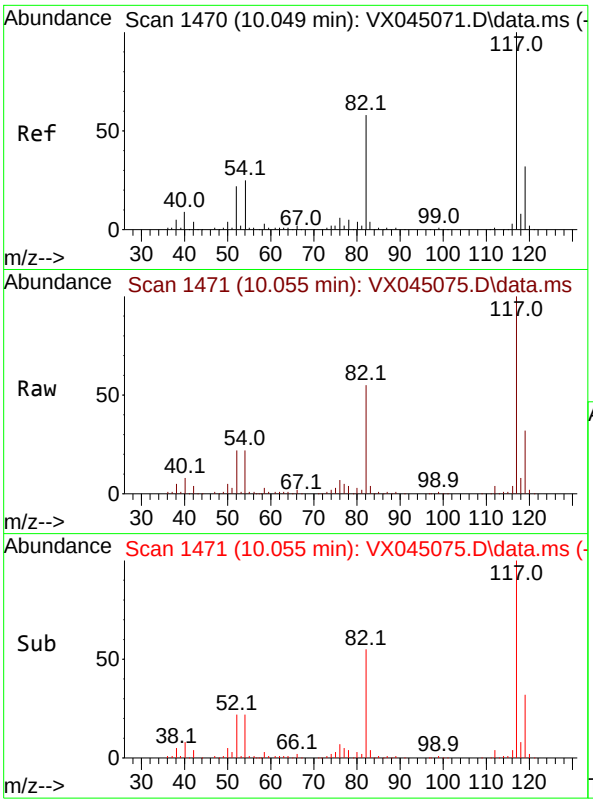


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4



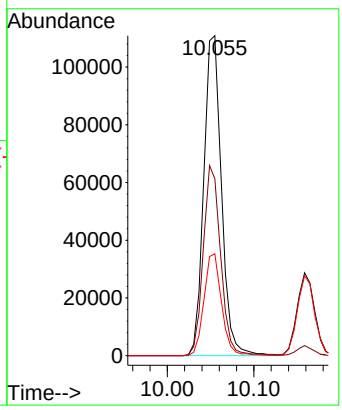


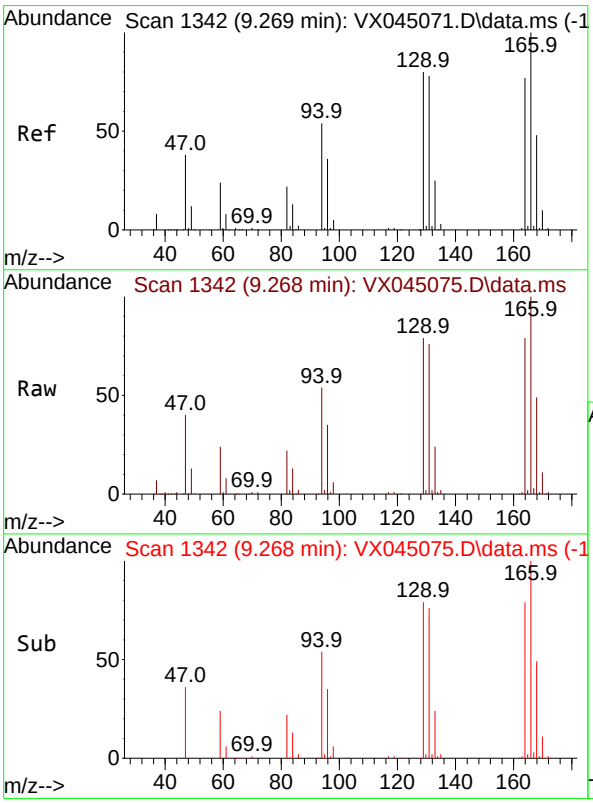
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:117 Resp: 157797

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5

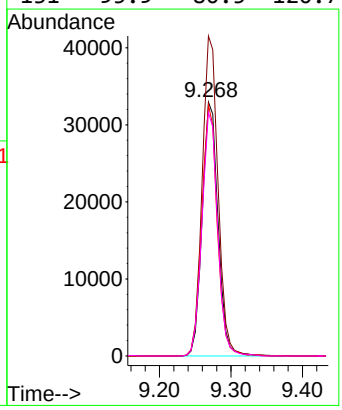


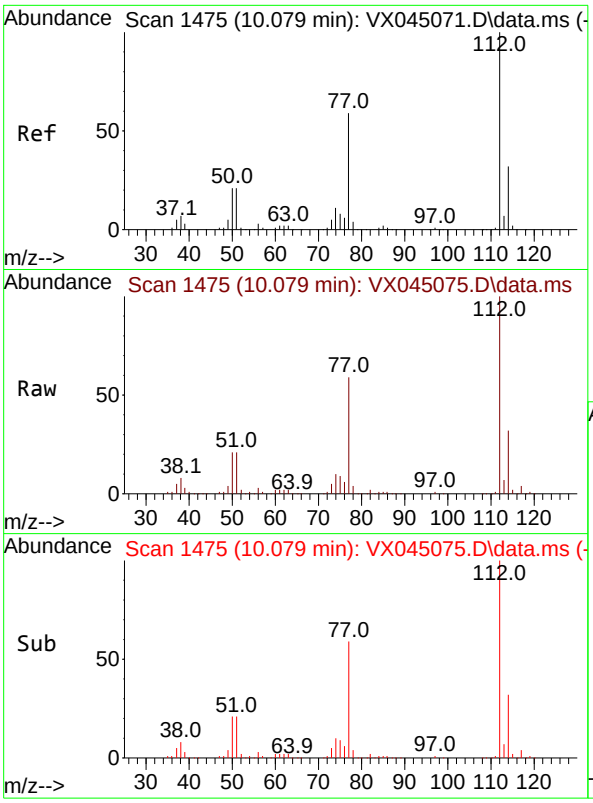


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7



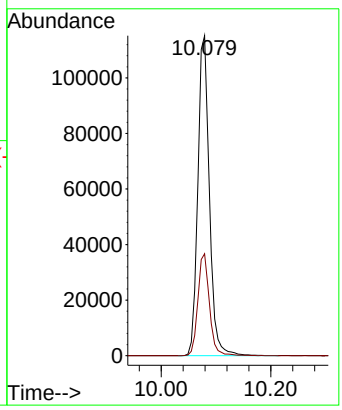


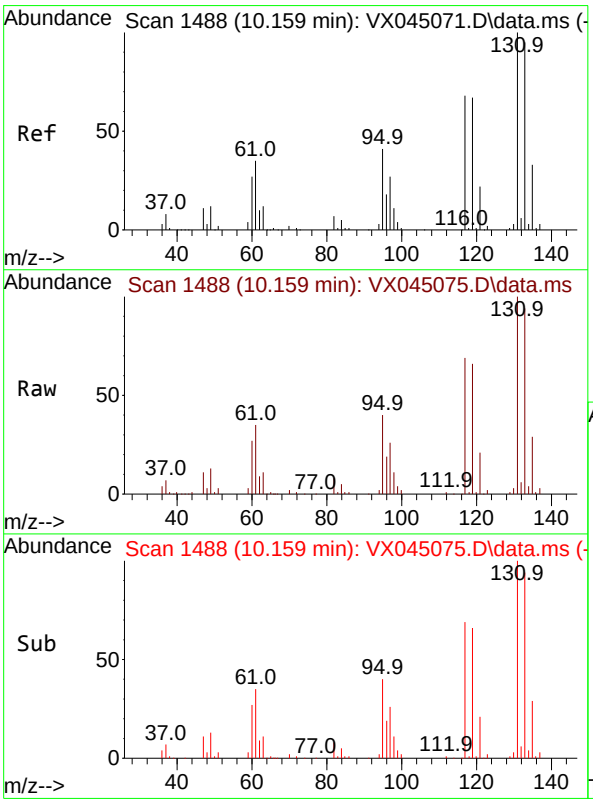
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:112 Resp: 168885

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

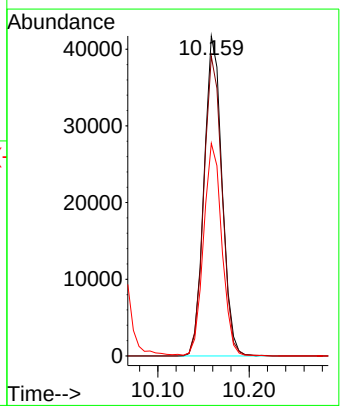


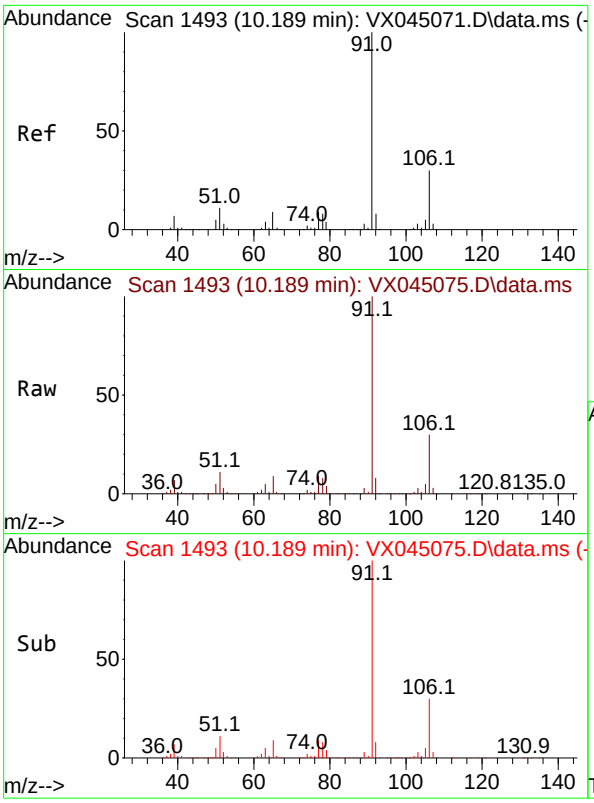


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7



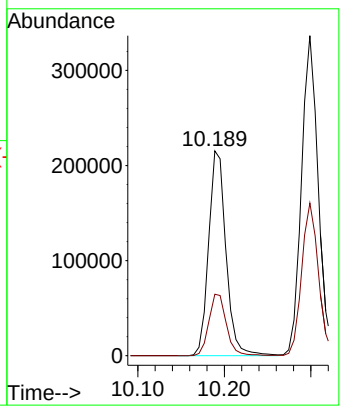


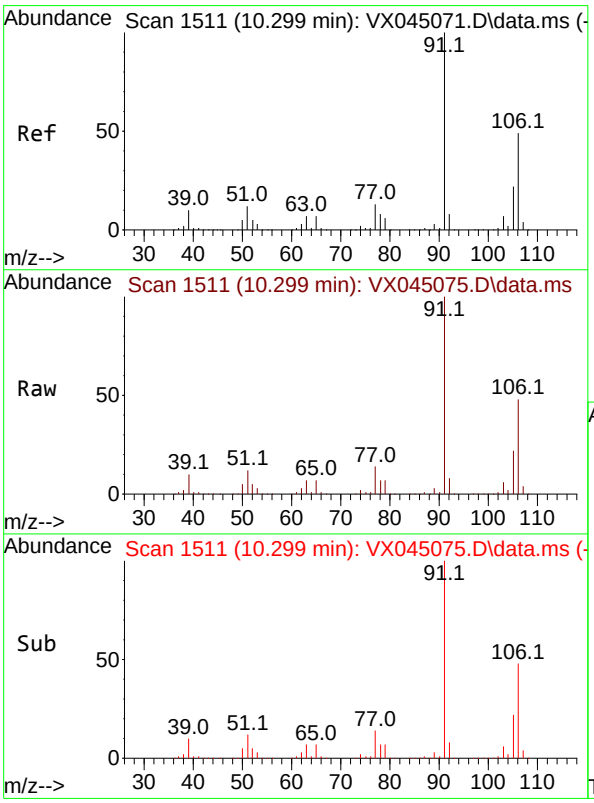
#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

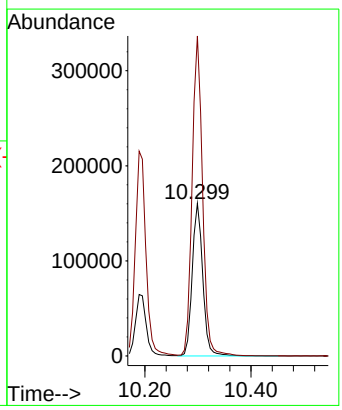


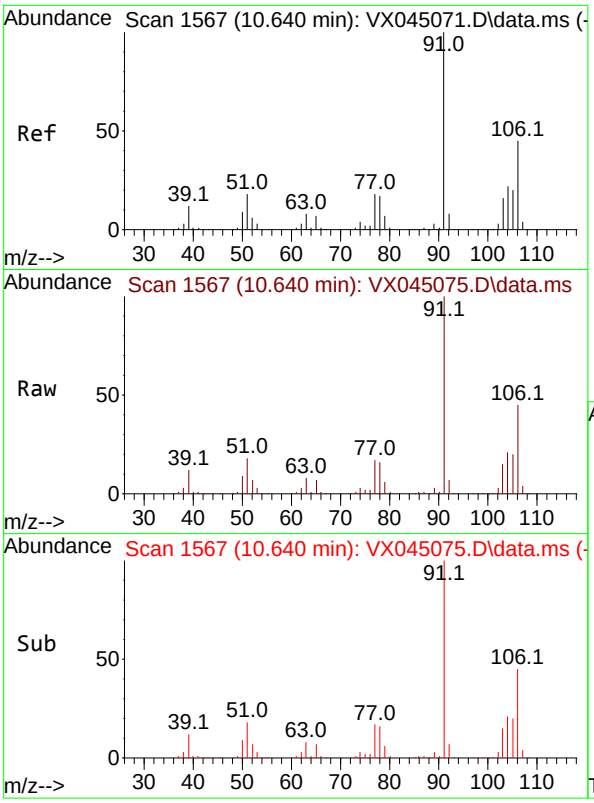


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0



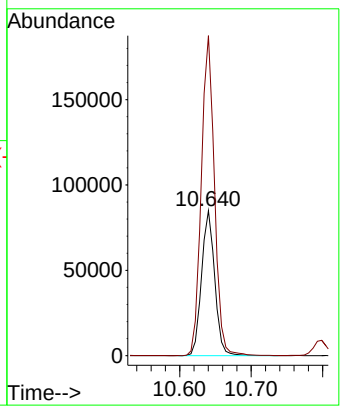


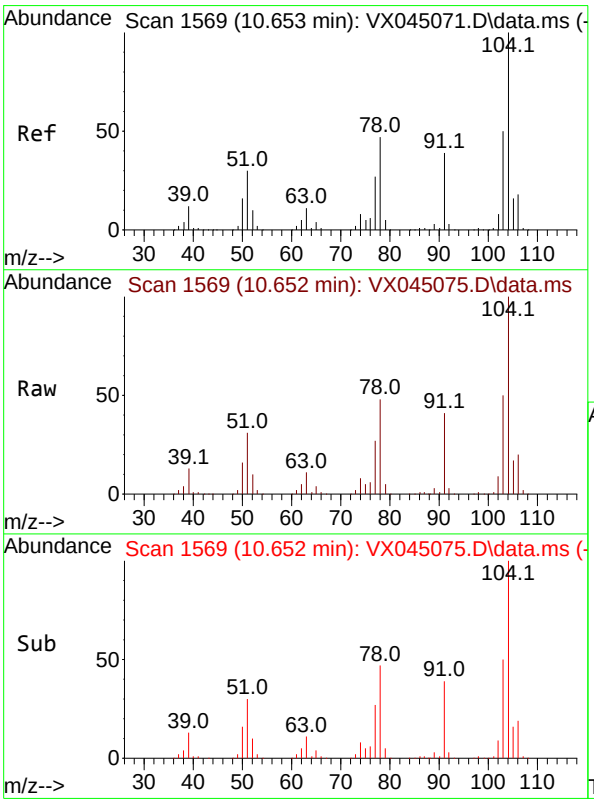
#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:106 Resp: 108836

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

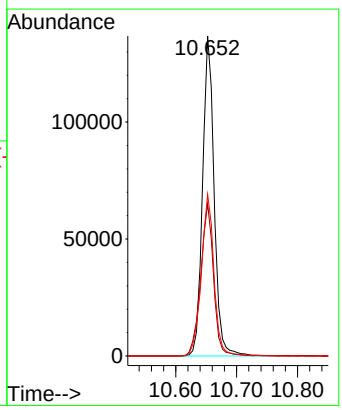


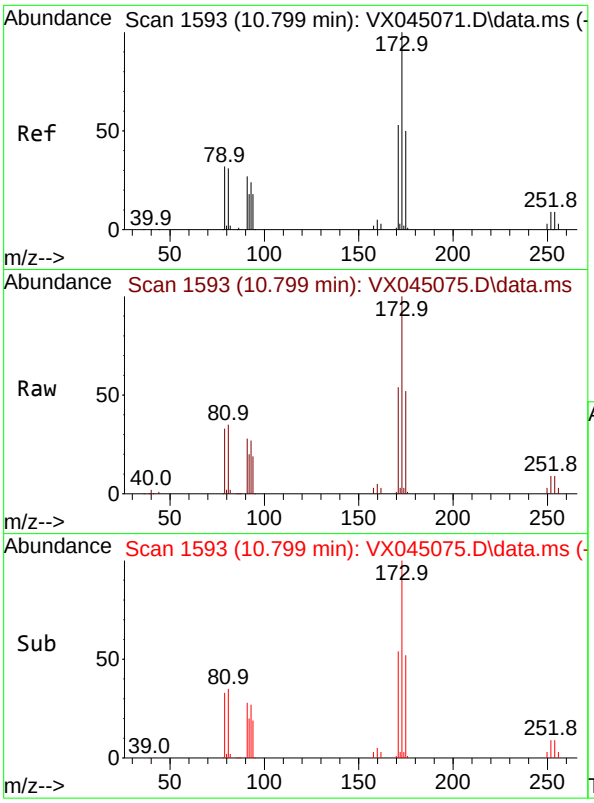


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8



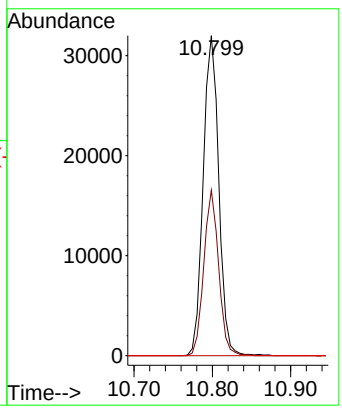


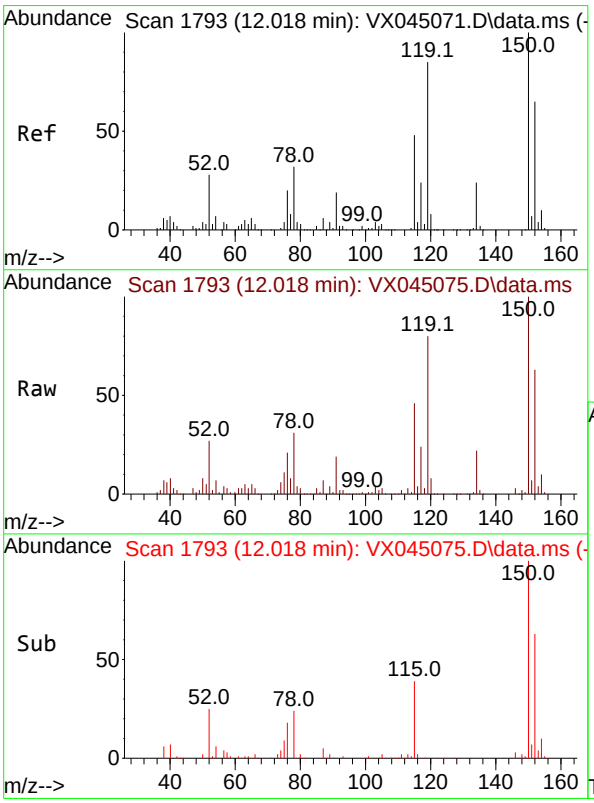
#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:173 Resp: 44135

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0

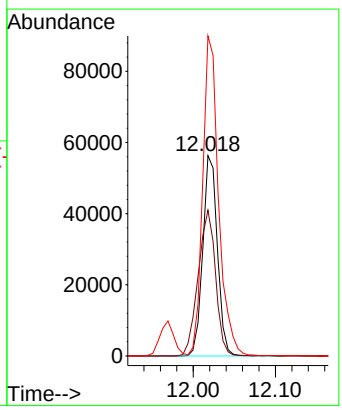


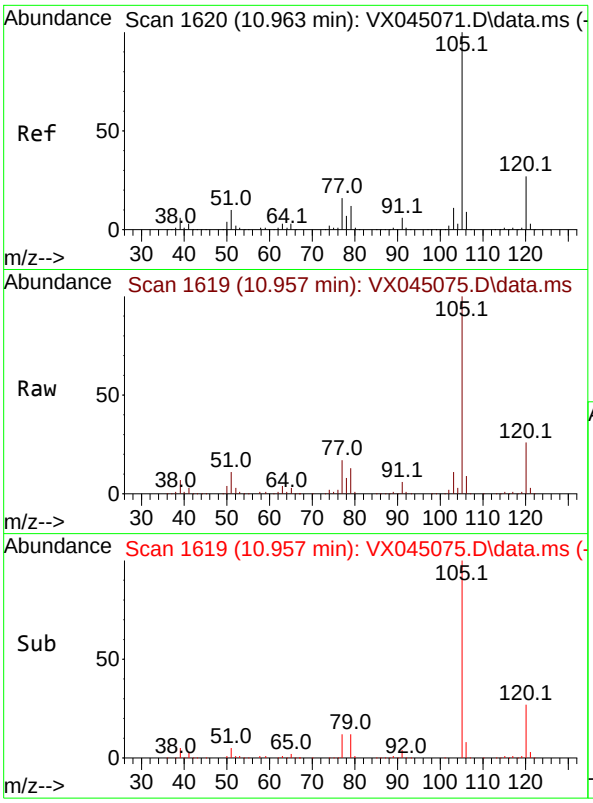


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0



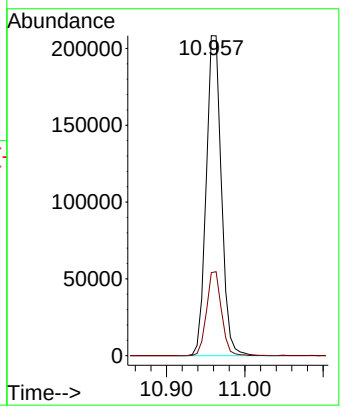


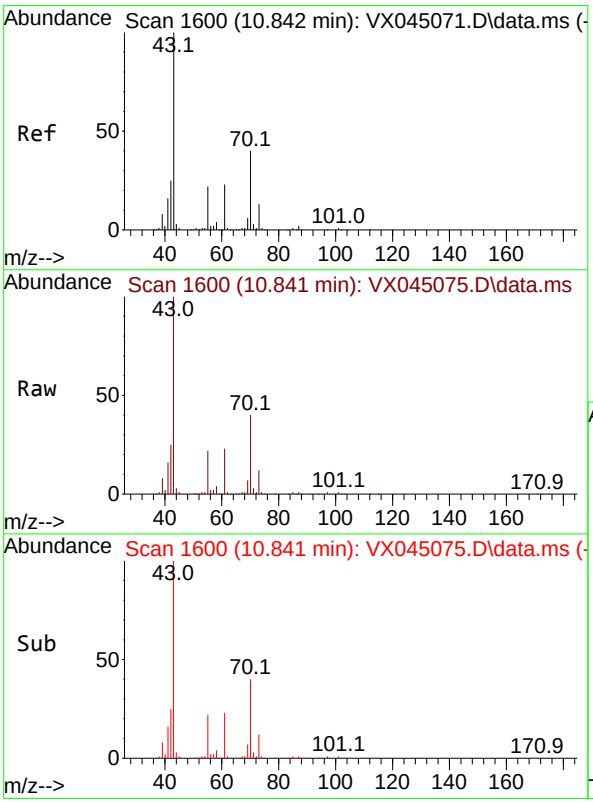
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

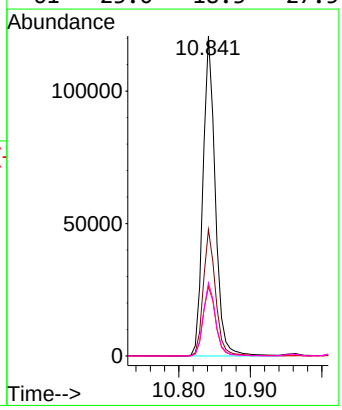


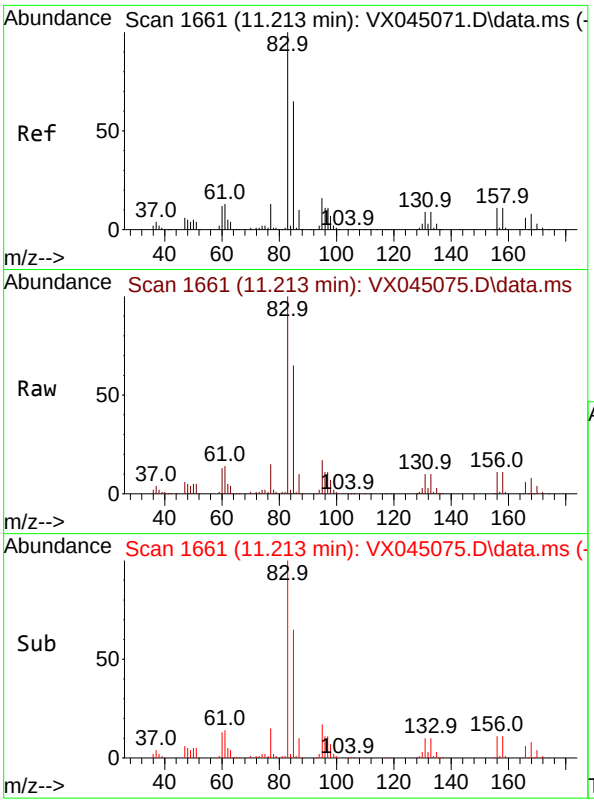


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



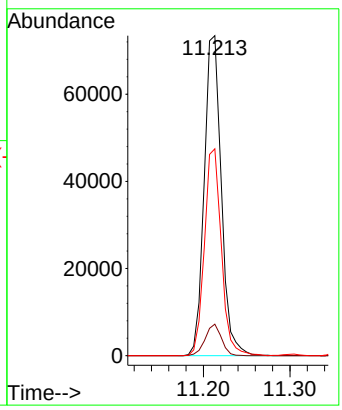


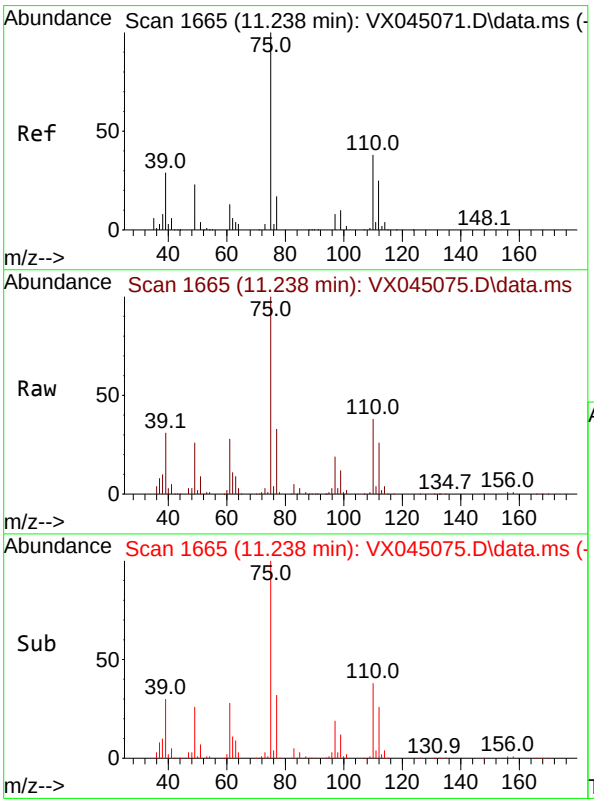
#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 100800

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1

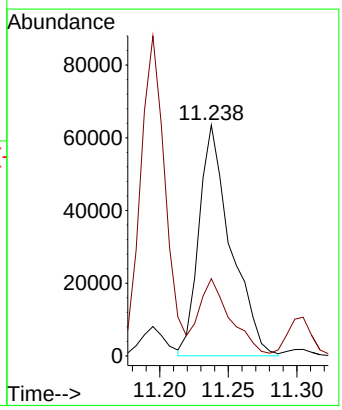


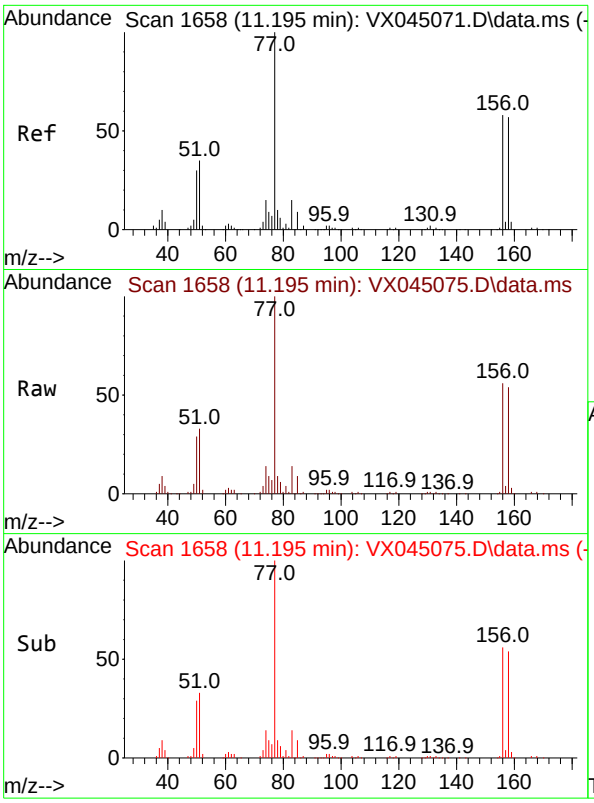


#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 102821

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



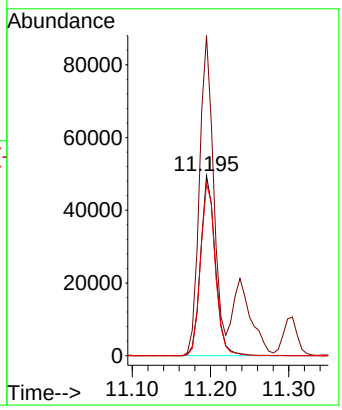


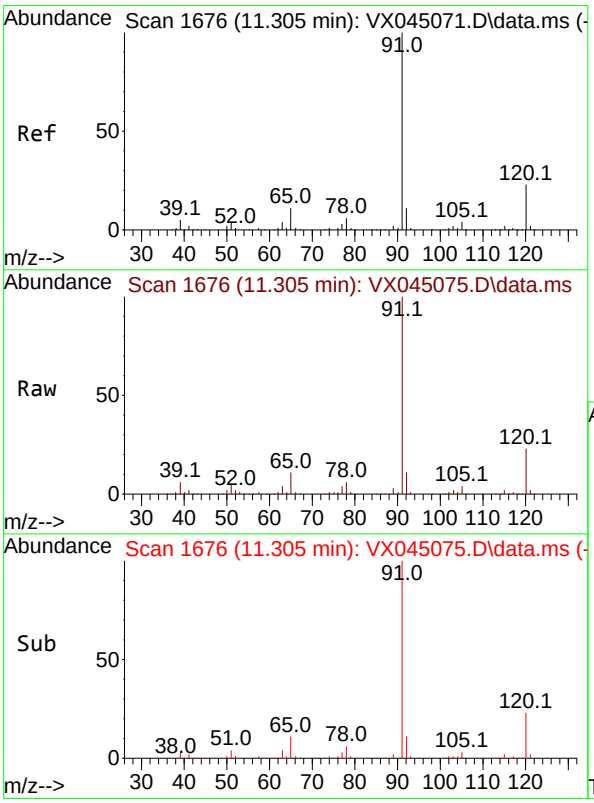
#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:156 Resp: 64324

Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2

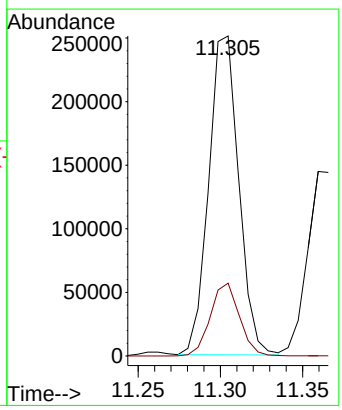


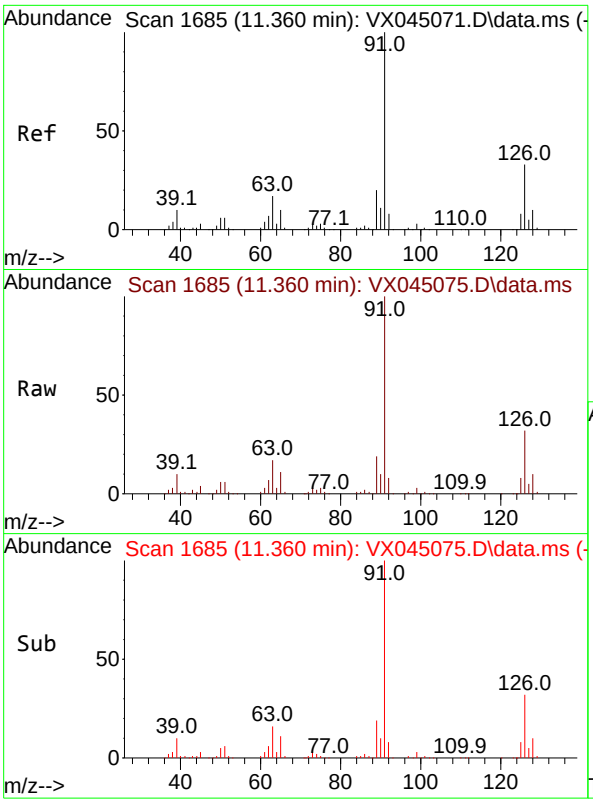


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



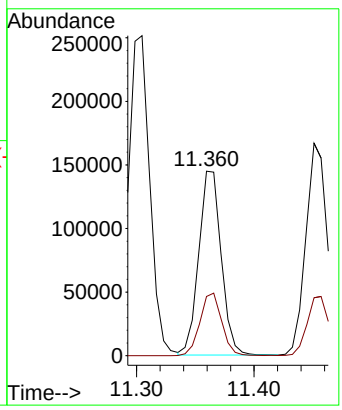


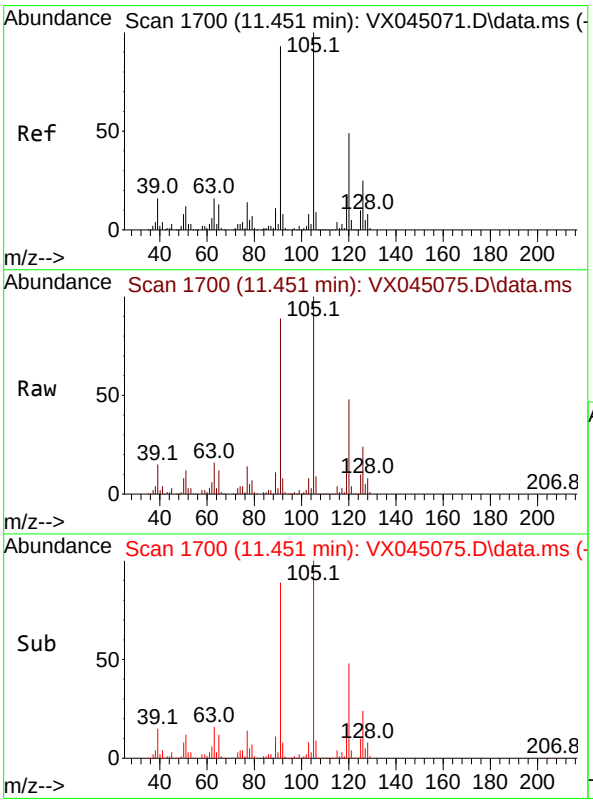
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

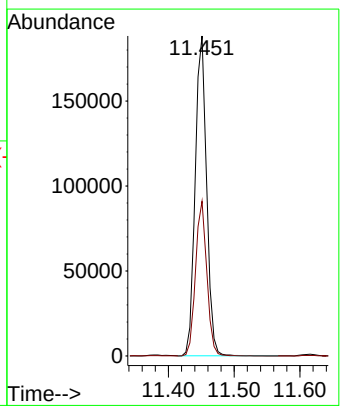


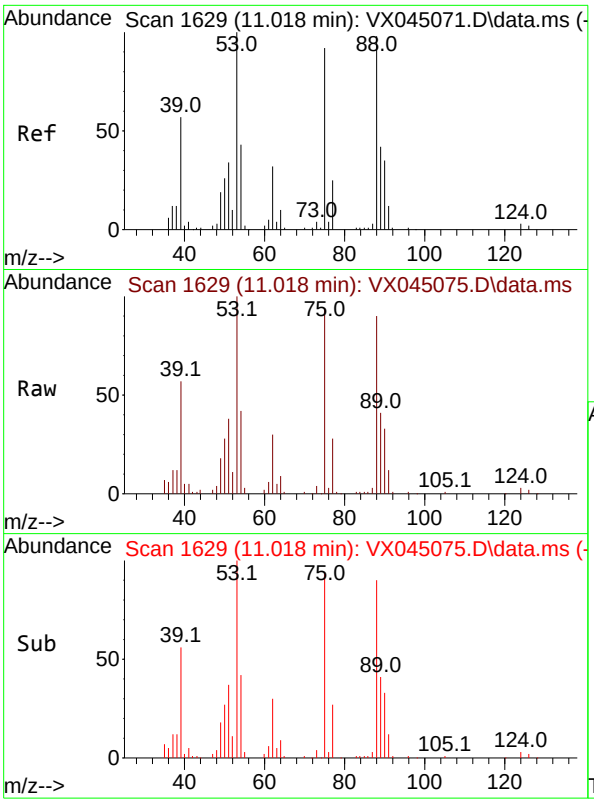


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



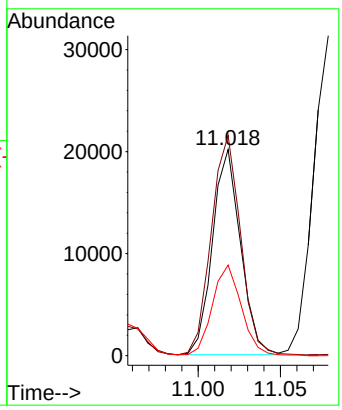


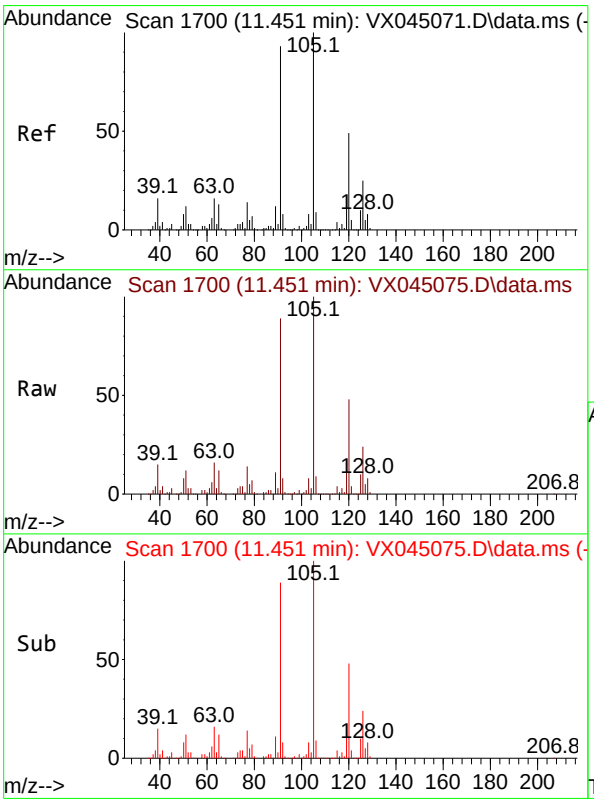
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 23943

Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

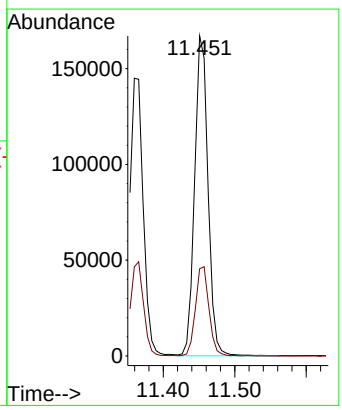


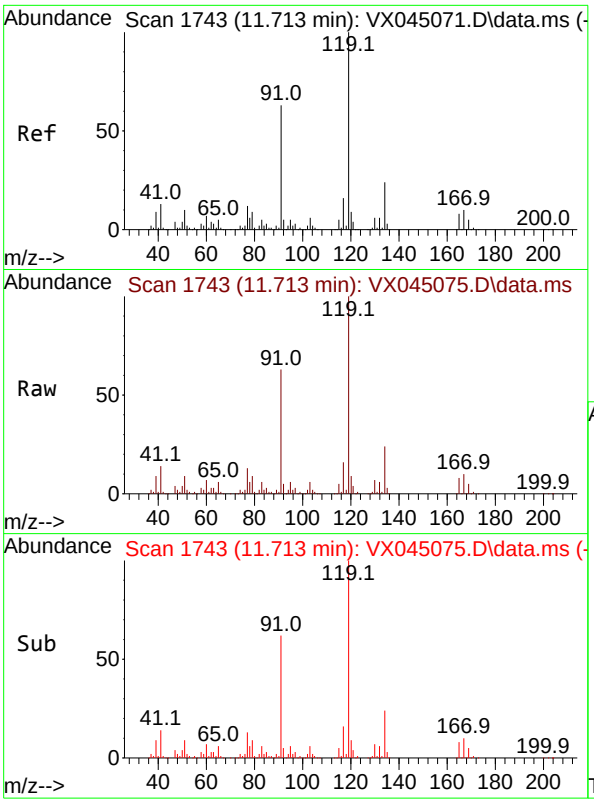


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



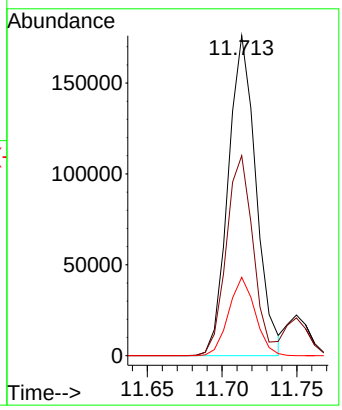


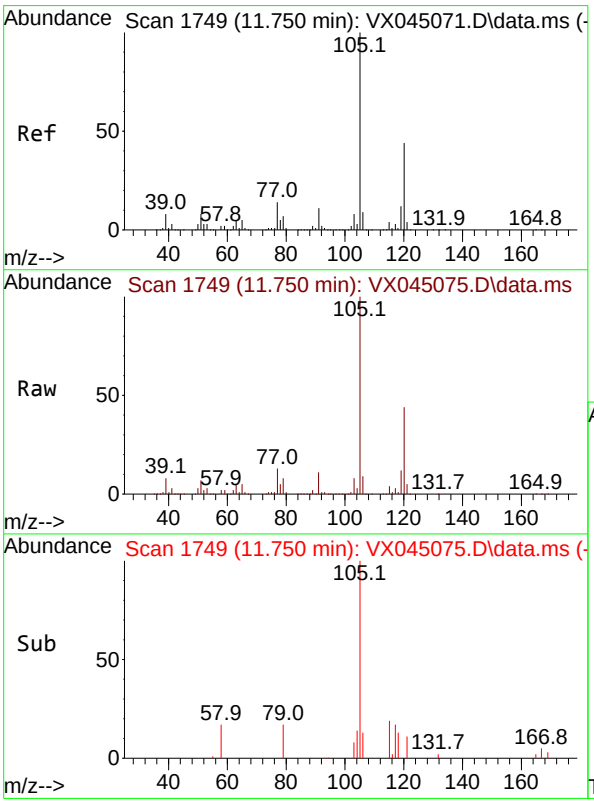
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:119 Resp: 227357

Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0

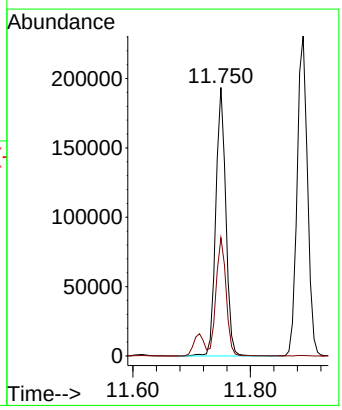


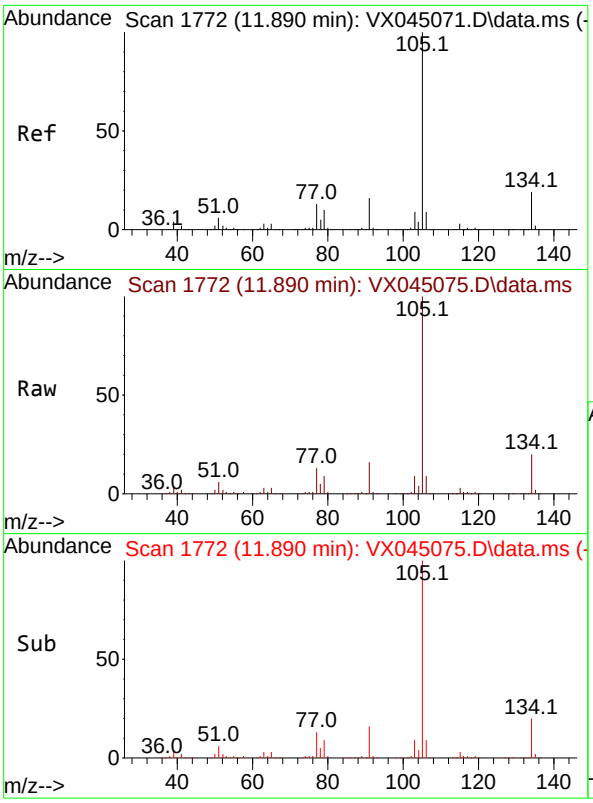


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



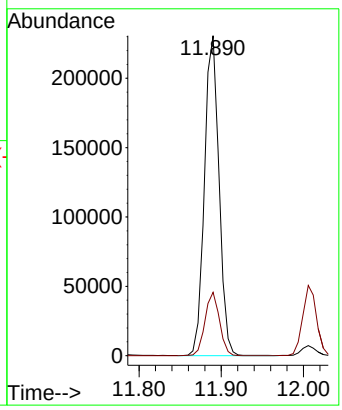


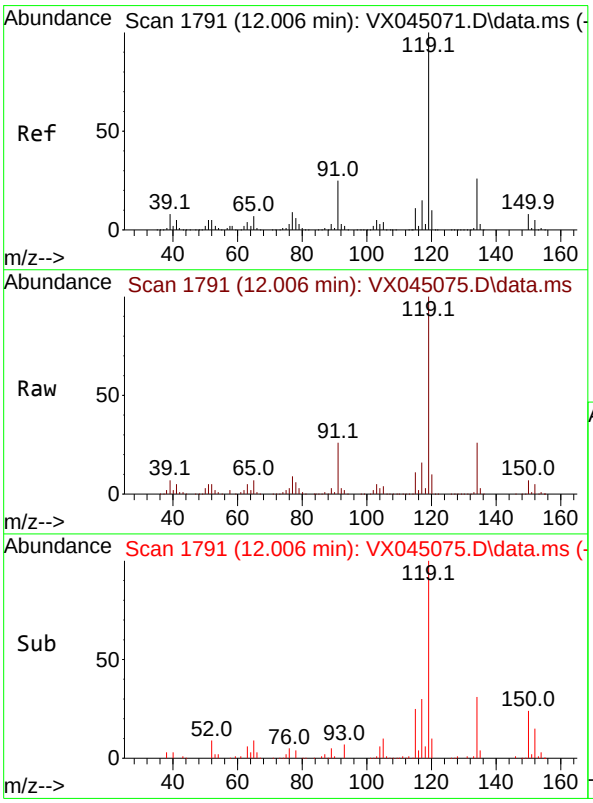
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 283931

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

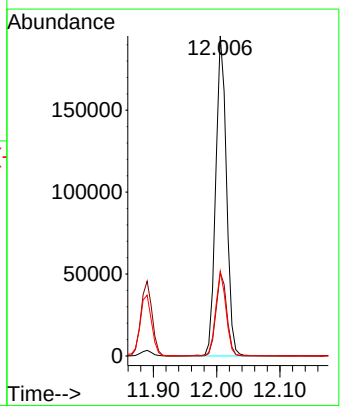


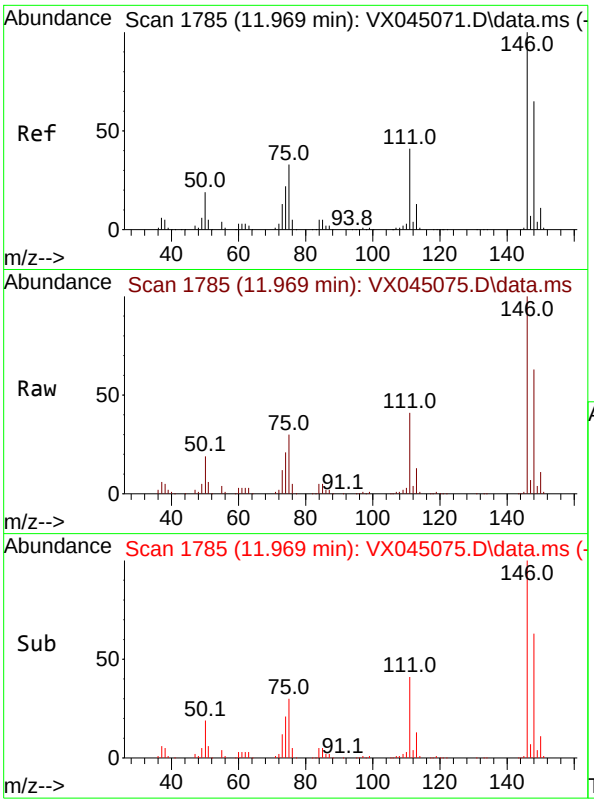


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0



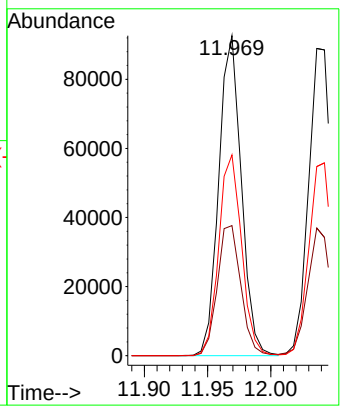


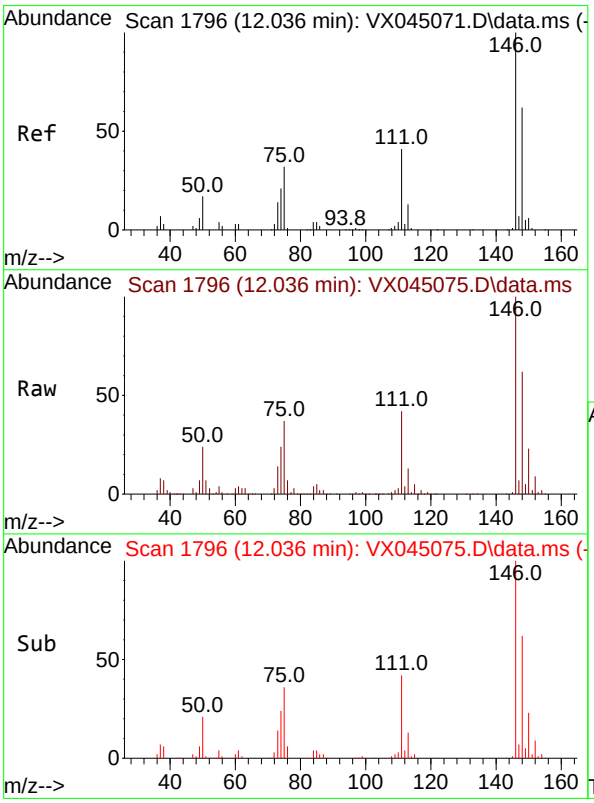
#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 114778

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7

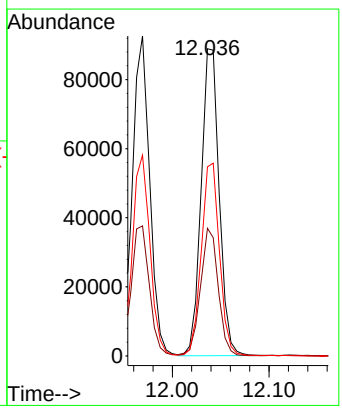


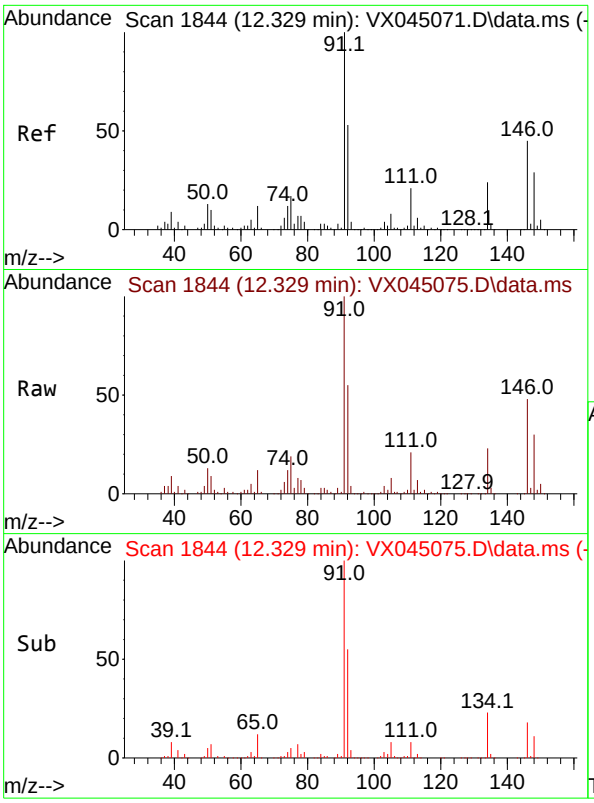


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9



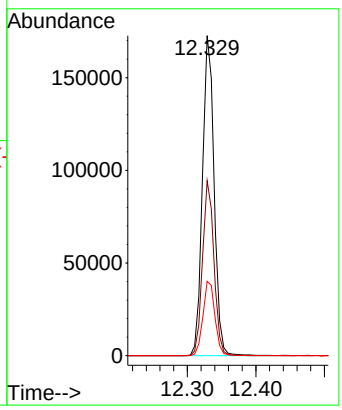


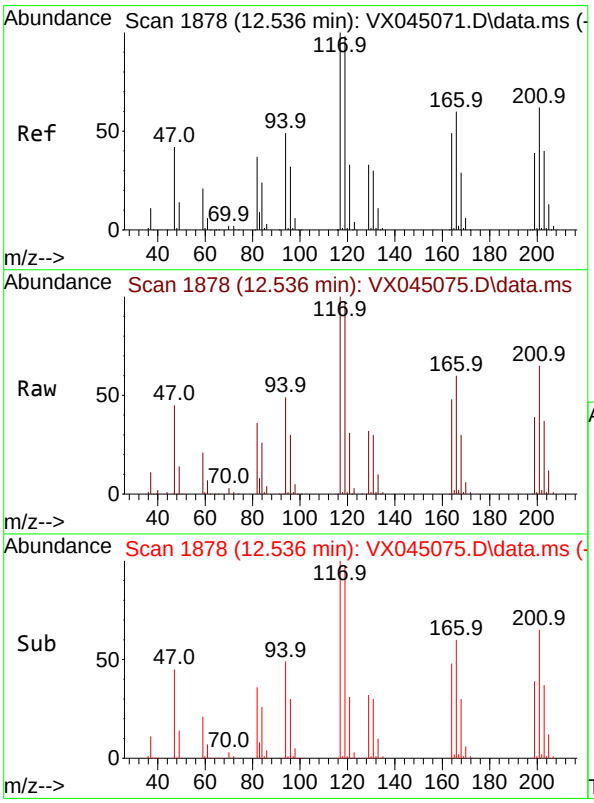
#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 204972

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6

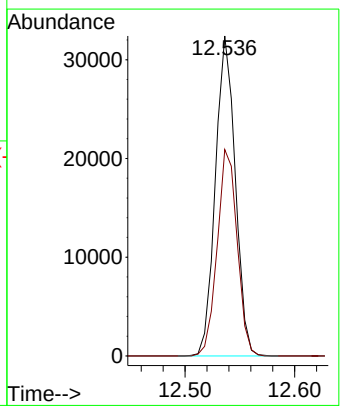


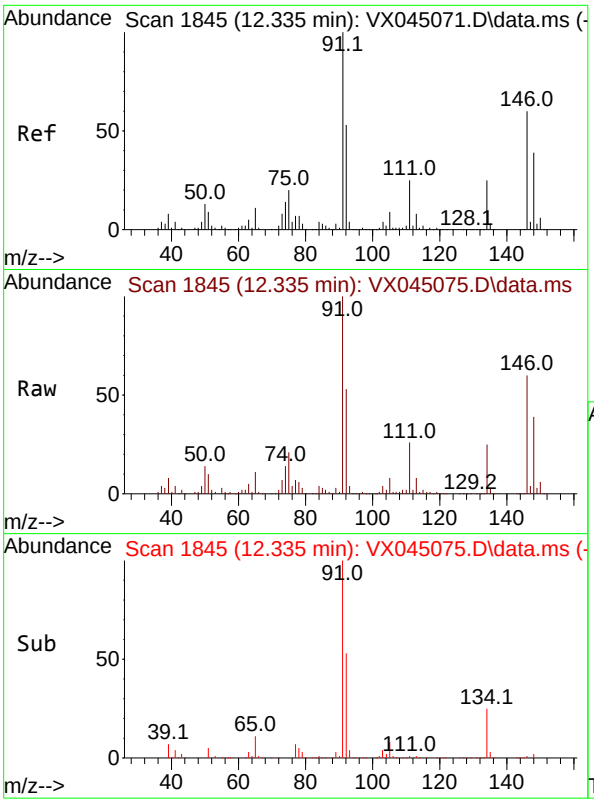


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9



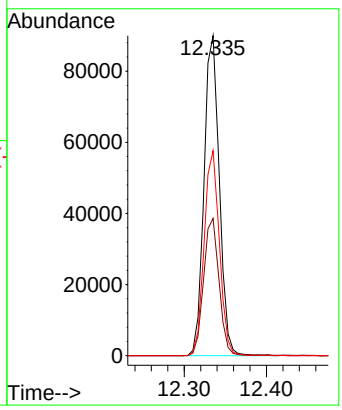


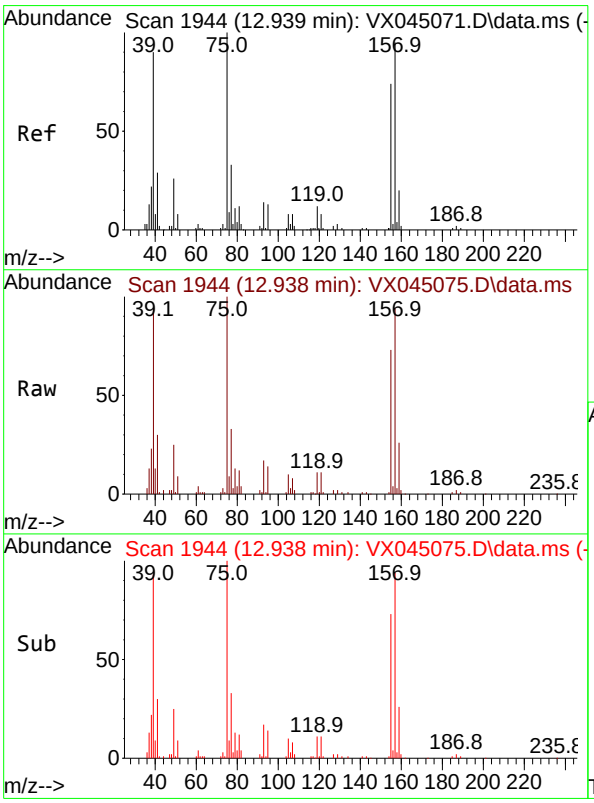
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 116343

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9

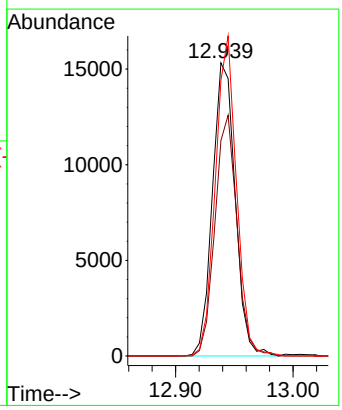


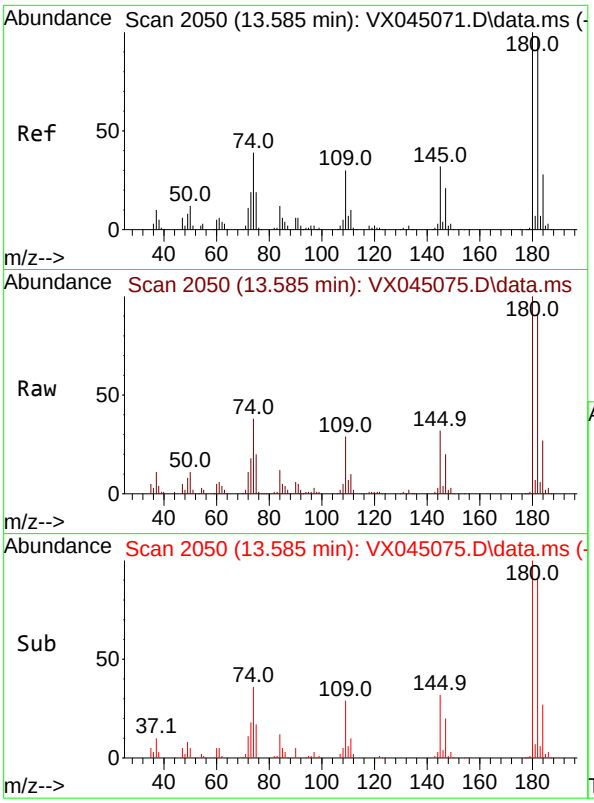


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4



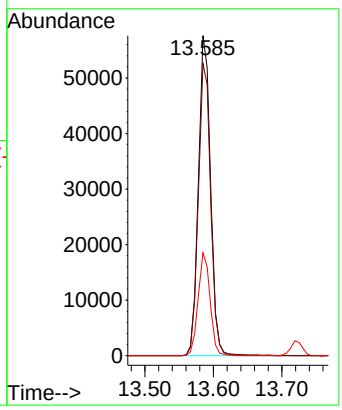


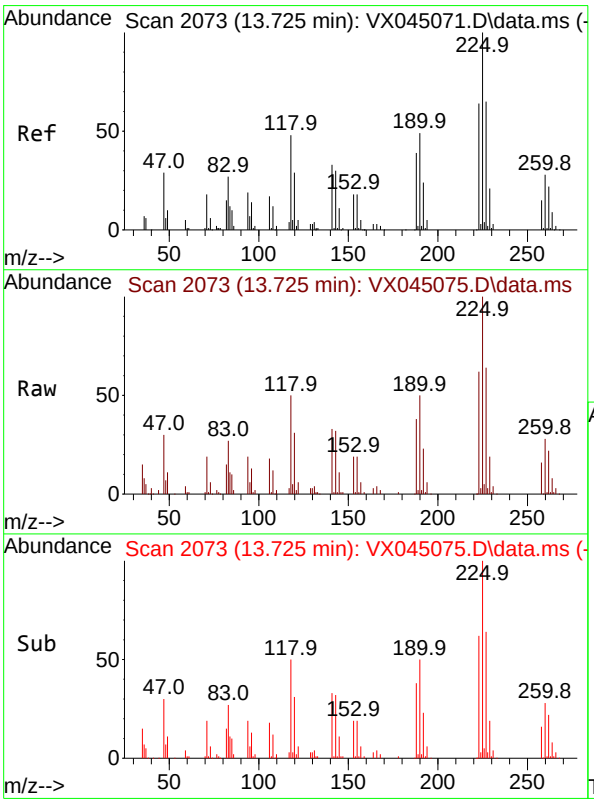
#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:180 Resp: 71368

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9

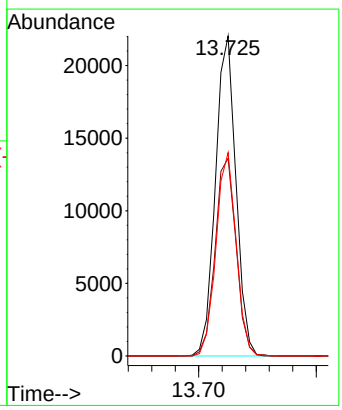


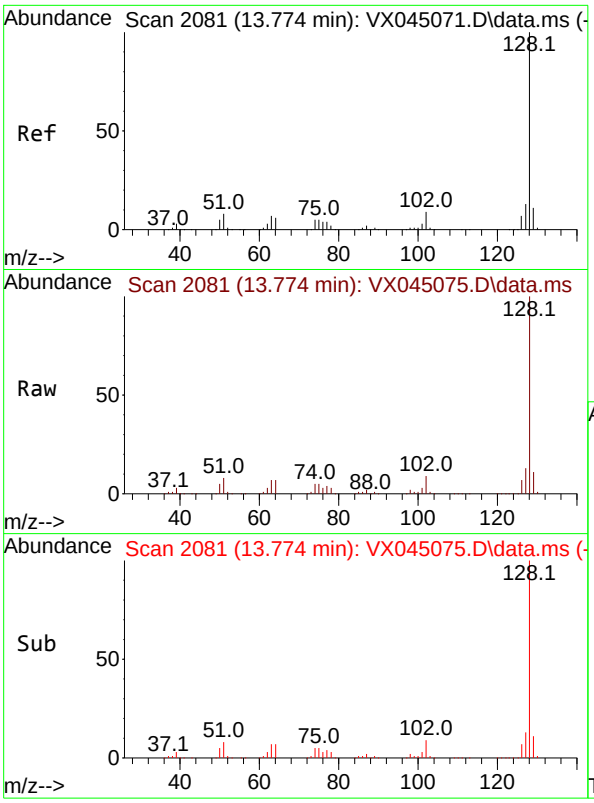


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0



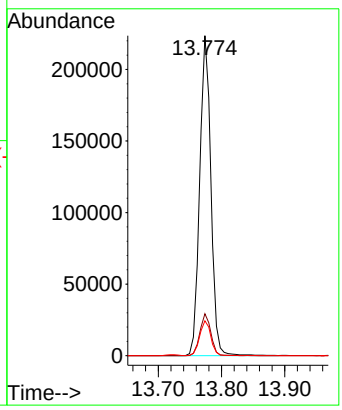


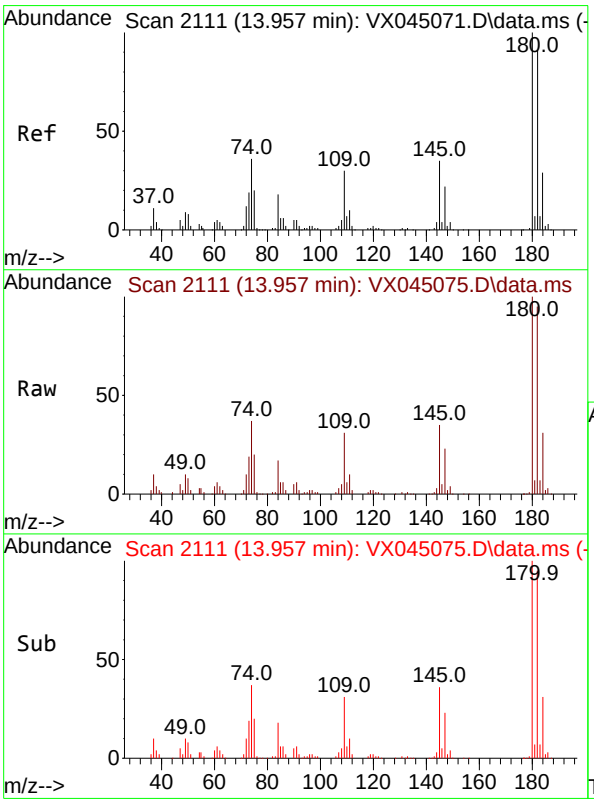
#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:128 Resp: 275844

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

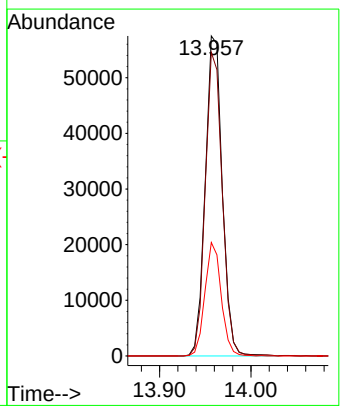




#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	103487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	178691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77670	47.184	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.360%			
35) Dibromofluoromethane	5.379	113	60262	50.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	8.647	98	210656	48.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	72321	50.383	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64428	49.459	ug/l	97
3) Chloromethane	1.306	50	70980	44.525	ug/l	100
4) Vinyl Chloride	1.373	62	71024	44.911	ug/l	98
5) Bromomethane	1.593	94	28738	46.226	ug/l	100
6) Chloroethane	1.660	64	34403	47.163	ug/l	99
7) Trichlorofluoromethane	1.867	101	101402	48.436	ug/l	100
8) Diethyl Ether	2.129	74	35526	43.384	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	65247	54.247	ug/l	100
10) Methyl Iodide	2.440	142	77742	51.721	ug/l	98
11) Tert butyl alcohol	2.983	59	57025	182.890	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61960	48.725	ug/l	95
13) Acrolein	2.233	56	72068	199.949	ug/l	100
14) Allyl chloride	2.654	41	115209	50.897	ug/l	98
15) Acrylonitrile	3.062	53	206979	247.683	ug/l	99
16) Acetone	2.385	43	178769	234.069	ug/l	98
17) Carbon Disulfide	2.501	76	146295	43.194	ug/l	96
18) Methyl Acetate	2.702	43	104831	57.056	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	208220	48.805	ug/l	98
20) Methylene Chloride	2.782	84	71555	47.297	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	61640	49.065	ug/l	98
22) Diisopropyl ether	3.757	45	230699	50.113	ug/l	91
23) Vinyl Acetate	3.721	43	982839	255.834	ug/l	100
24) 1,1-Dichloroethane	3.605	63	125762	48.745	ug/l	99
25) 2-Butanone	4.556	43	288524	250.972	ug/l	98
26) 2,2-Dichloropropane	4.464	77	84970	70.215	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76911	49.593	ug/l	96
28) Bromochloromethane	4.891	49	60817	49.455	ug/l	98
29) Tetrahydrofuran	5.007	42	183826	238.107	ug/l	99
30) Chloroform	5.086	83	127343	49.675	ug/l	99
31) Cyclohexane	5.458	56	109954	49.096	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	102657	49.582	ug/l	98
36) 1,1-Dichloropropene	5.684	75	82200	50.164	ug/l	99
37) Ethyl Acetate	4.714	43	106925	50.640	ug/l	99
38) Carbon Tetrachloride	5.665	117	86162	51.792	ug/l	98
39) Methylcyclohexane	7.372	83	108454	55.236	ug/l	96
40) Benzene	6.031	78	263814	50.984	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	62075	54.370	ug/l		99
42) 1,2-Dichloroethane	6.080	62	98340	52.777	ug/l		98
43) Isopropyl Acetate	6.336	43	165899	53.134	ug/l		100
44) Trichloroethene	7.122	130	62545	51.477	ug/l		93
45) 1,2-Dichloropropane	7.427	63	67501	50.738	ug/l		100
46) Dibromomethane	7.574	93	49669	52.820	ug/l		97
47) Bromodichloromethane	7.817	83	98418	53.359	ug/l		97
48) Methyl methacrylate	7.689	41	84926	54.217	ug/l		97
49) 1,4-Dioxane	7.665	88	29129	881.577	ug/l		96
51) 4-Methyl-2-Pentanone	8.573	43	560361	267.292	ug/l		100
52) Toluene	8.714	92	158015	52.048	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87297	56.614	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	100008	55.619	ug/l		92
55) 1,1,2-Trichloroethane	9.146	97	64282	51.433	ug/l		99
56) Ethyl methacrylate	9.116	69	103151	54.295	ug/l		98
57) 1,3-Dichloropropane	9.305	76	110498	51.088	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	252540	272.503	ug/l		99
59) 2-Hexanone	9.427	43	402089	264.714	ug/l		99
60) Dibromochloromethane	9.518	129	70119	53.657	ug/l		98
61) 1,2-Dibromoethane	9.610	107	65196	52.253	ug/l		98
64) Tetrachloroethene	9.268	164	51914	52.291	ug/l		93
65) Chlorobenzene	10.079	112	170219	51.896	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	56871	52.065	ug/l		97
67) Ethyl Benzene	10.189	91	305213	53.404	ug/l		98
68) m/p-Xylenes	10.299	106	226136	108.086	ug/l		100
69) o-Xylene	10.640	106	111458	52.821	ug/l		99
70) Styrene	10.652	104	185074	54.206	ug/l		99
71) Bromoform	10.799	173	43586	52.915	ug/l	#	99
73) Isopropylbenzene	10.957	105	289454	53.664	ug/l		99
74) N-amyl acetate	10.841	43	135717	53.623	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	98799	49.915	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	102863	63.953	ug/l		86
77) Bromobenzene	11.195	156	63463	49.867	ug/l		96
78) n-propylbenzene	11.305	91	339244	55.677	ug/l		99
79) 2-Chlorotoluene	11.359	91	199628	51.445	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	233921	53.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26430	56.234	ug/l		95
82) 4-Chlorotoluene	11.451	91	224700	53.131	ug/l		99
83) tert-Butylbenzene	11.713	119	234893	52.418	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	232840	53.059	ug/l		99
85) sec-Butylbenzene	11.890	105	299296	55.757	ug/l		98
86) p-Isopropyltoluene	12.006	119	242520	55.906	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	118773	52.316	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	115129	50.124	ug/l		98
89) n-Butylbenzene	12.329	91	222544	59.564	ug/l		99
90) Hexachloroethane	12.536	117	41457	52.836	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	116879	51.320	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20186	52.348	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	71214	54.915	ug/l		100
94) Hexachlorobutadiene	13.725	225	29653	55.774	ug/l		99
95) Naphthalene	13.774	128	264311	53.049	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	73996	54.089	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

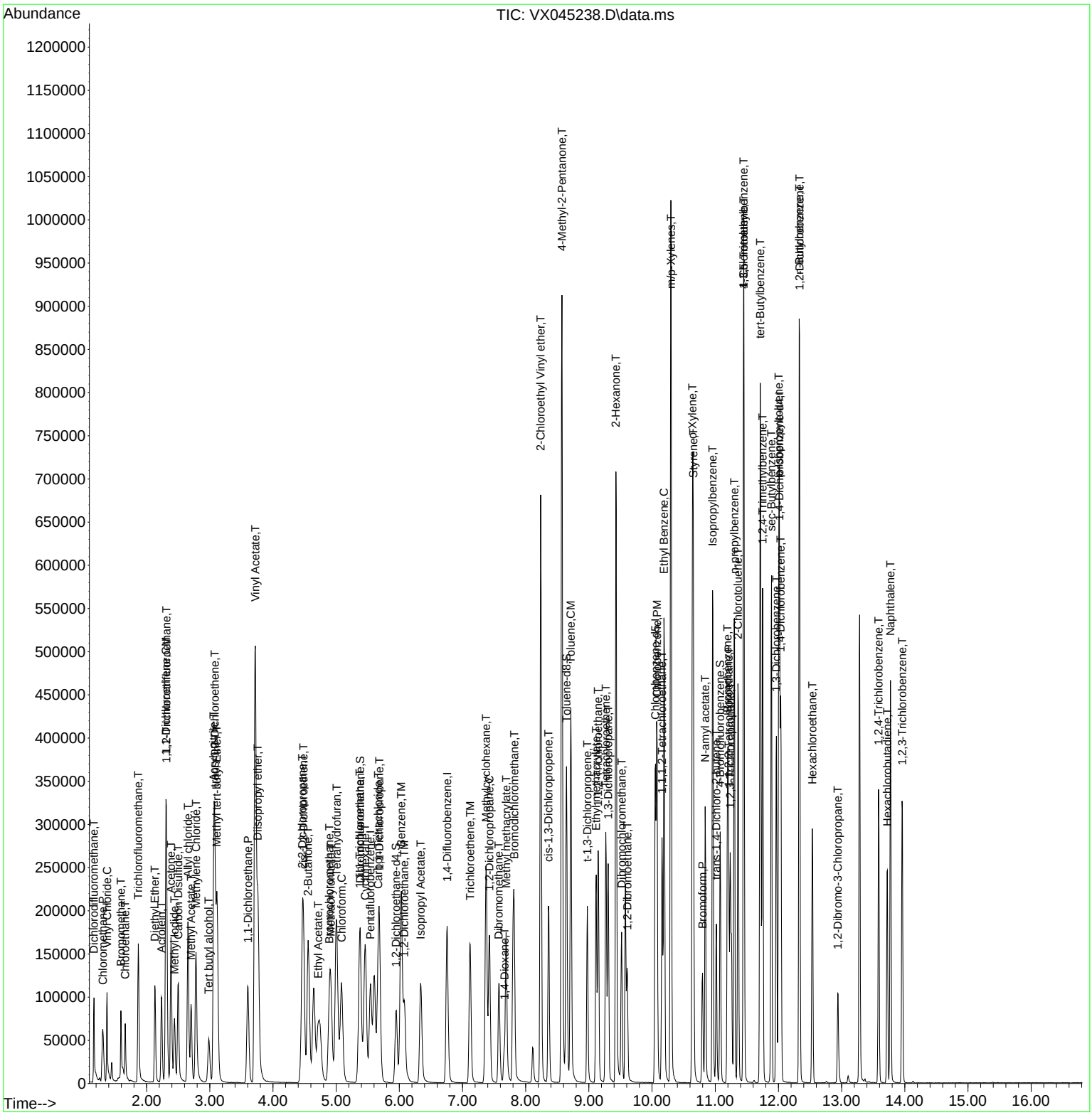
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

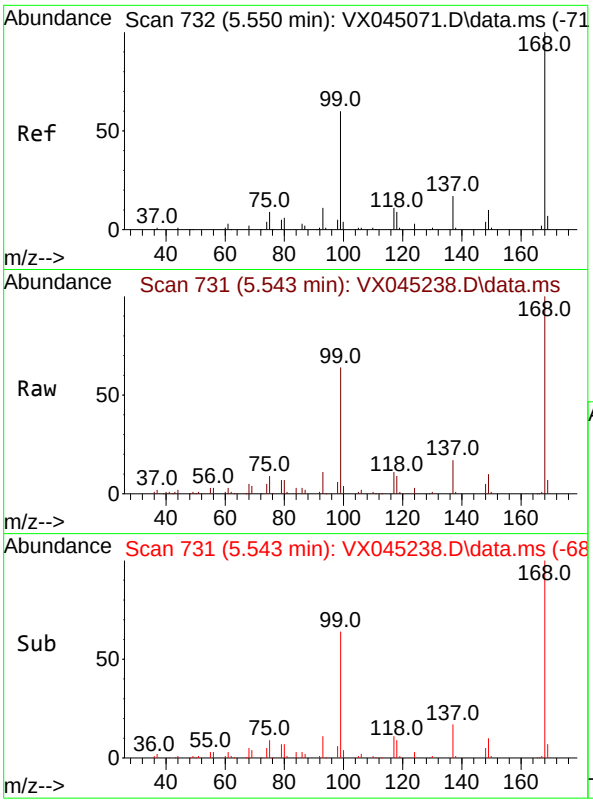
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045238.D
Acq On : 12 Mar 2025 10:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 13 01:36:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



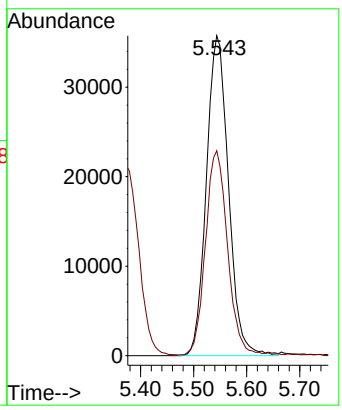


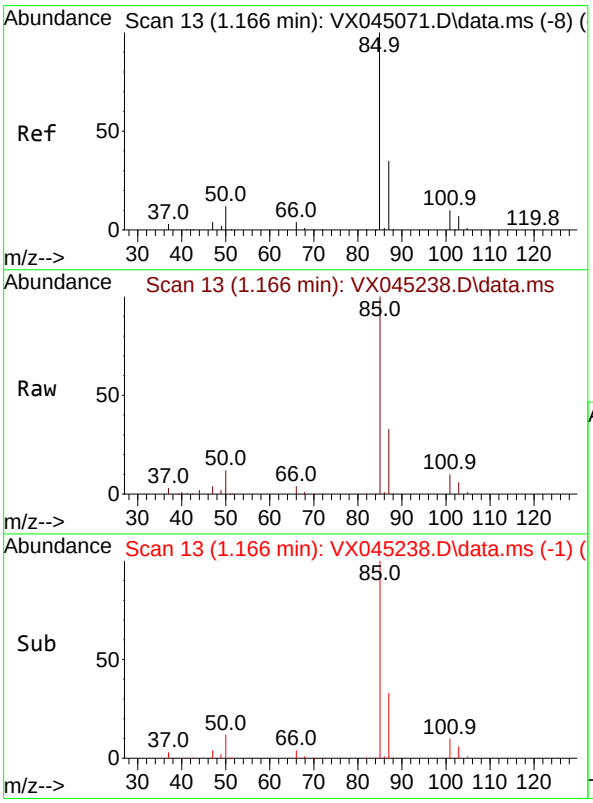
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 103487

Ion	Ratio	Lower	Upper
168	100		
99	63.8	48.2	72.4

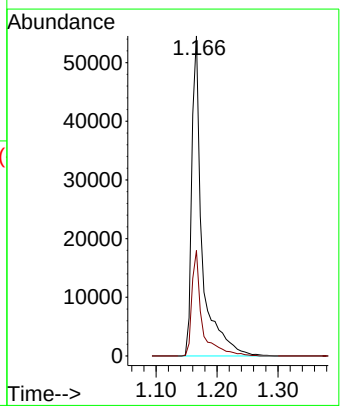


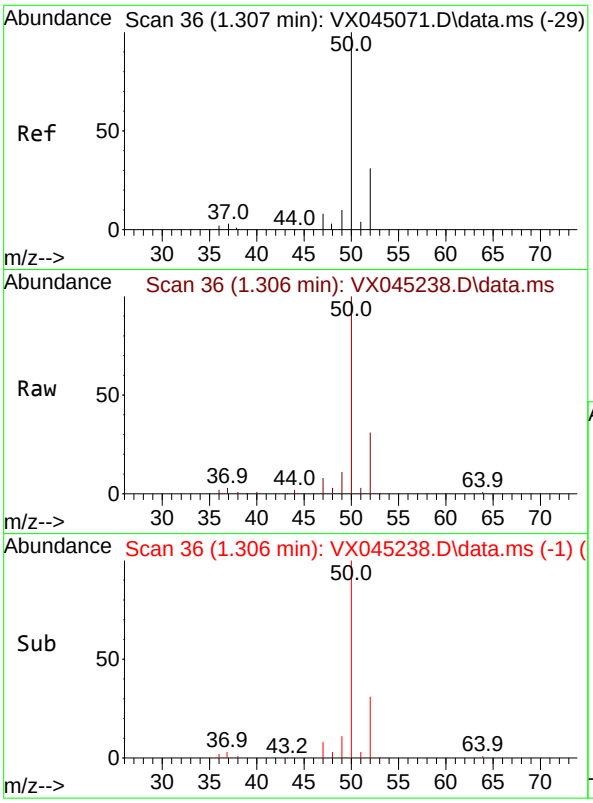


#2
Dichlorodifluoromethane
Concen: 49.459 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 85 Resp: 64428

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3



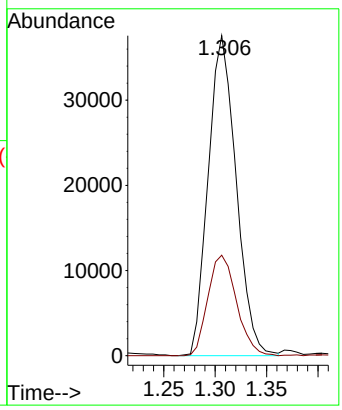


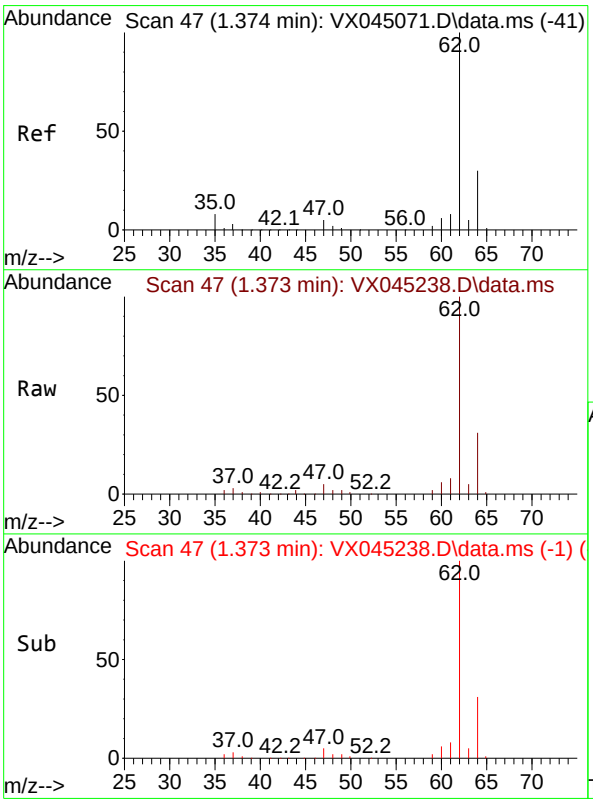
#3
Chloromethane
Concen: 44.525 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 70980

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.0	37.4

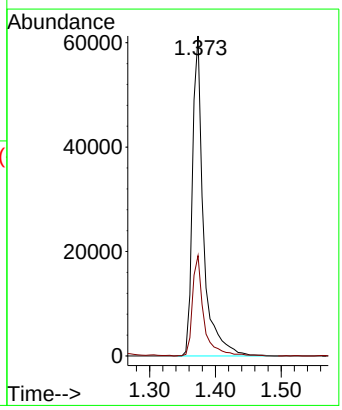


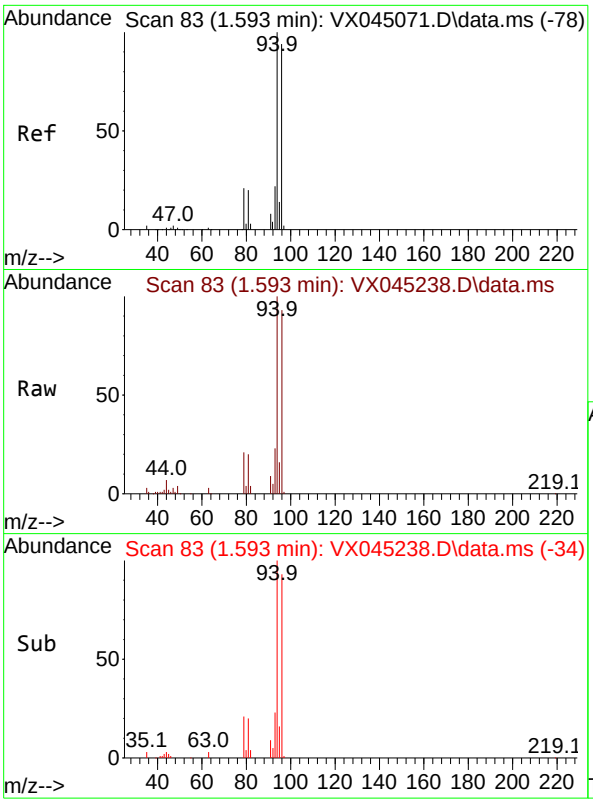


#4
Vinyl Chloride
Concen: 44.911 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 62 Resp: 71024

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



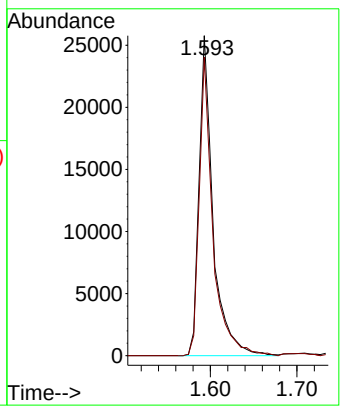


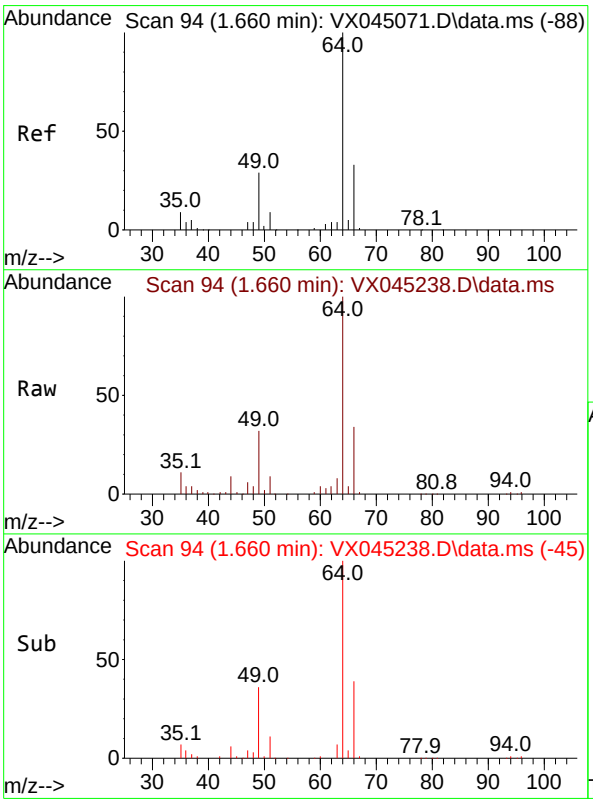
#5
Bromomethane
Concen: 46.226 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 28738

Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.0	112.4

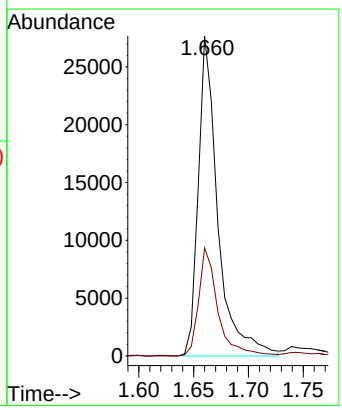


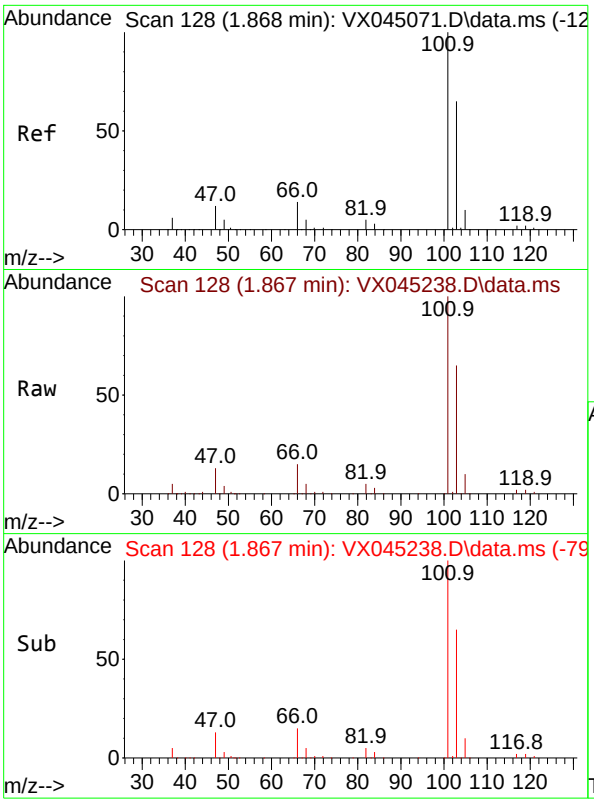


#6
Chloroethane
Concen: 47.163 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 64 Resp: 34403

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.7	40.1



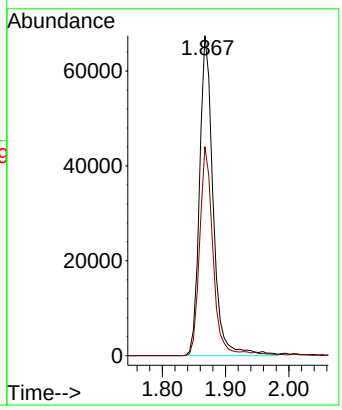


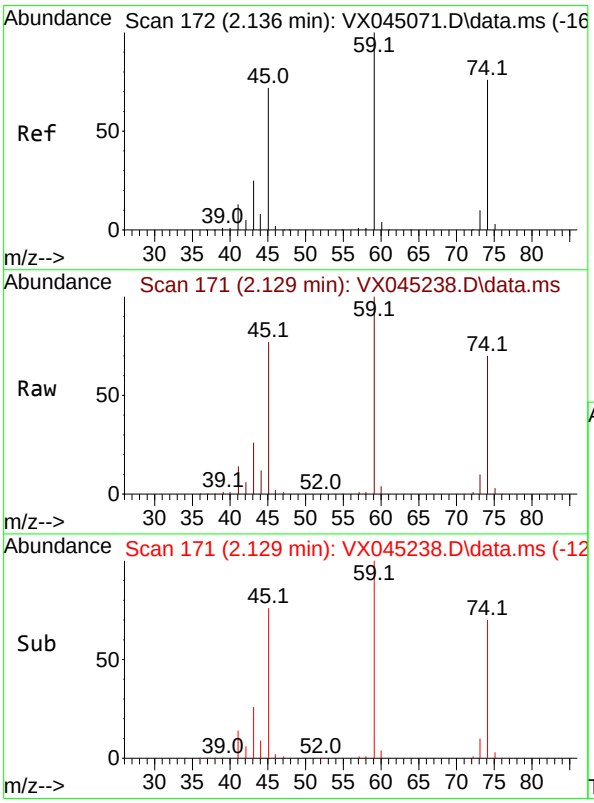
#7
Trichlorofluoromethane
Concen: 48.436 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 101402

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

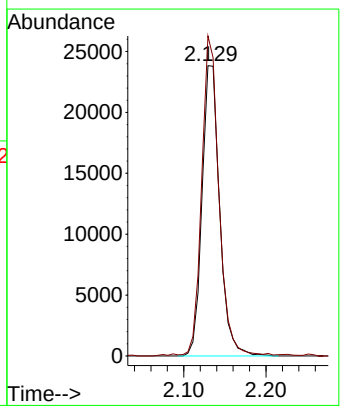


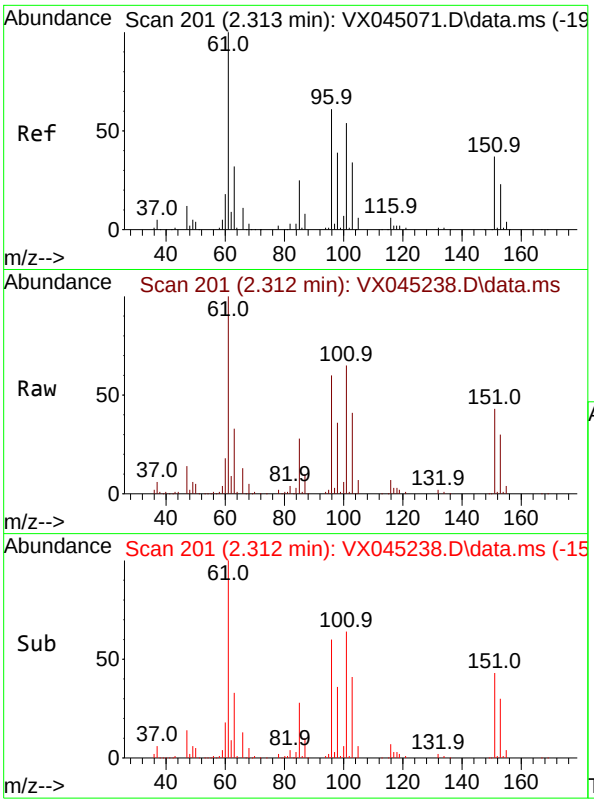


#8
Diethyl Ether
Concen: 43.384 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 74 Resp: 35526

Ion	Ratio	Lower	Upper
74	100		
45	108.6	51.5	154.5



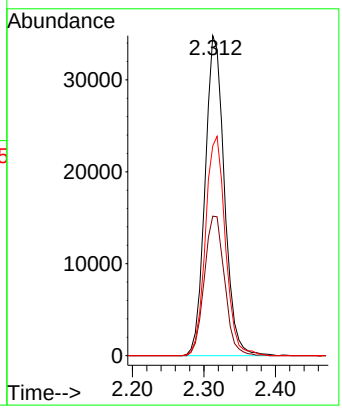


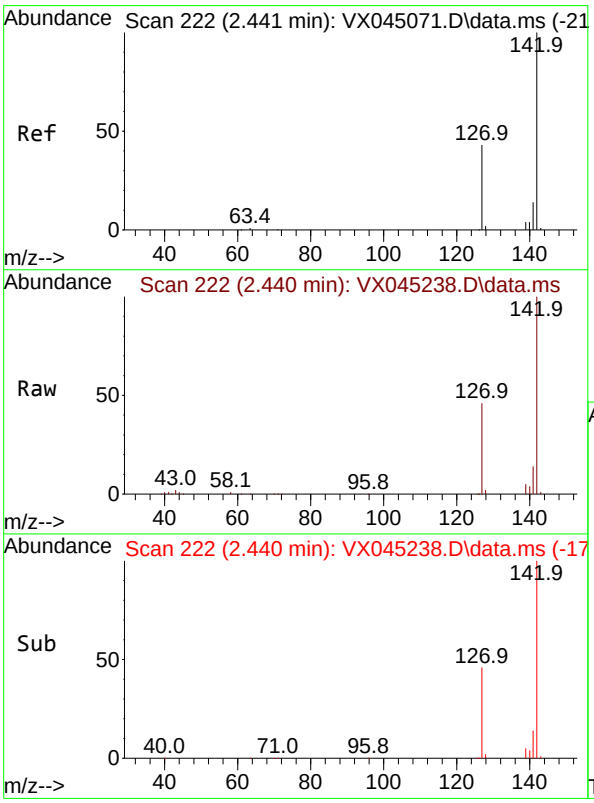
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.247 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 65247

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	70.8	56.4	84.6

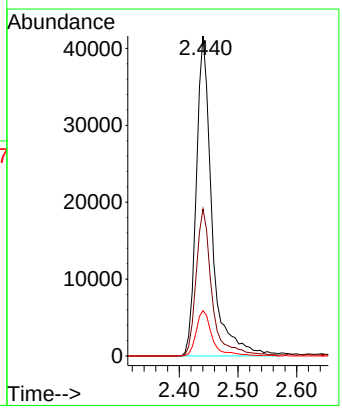


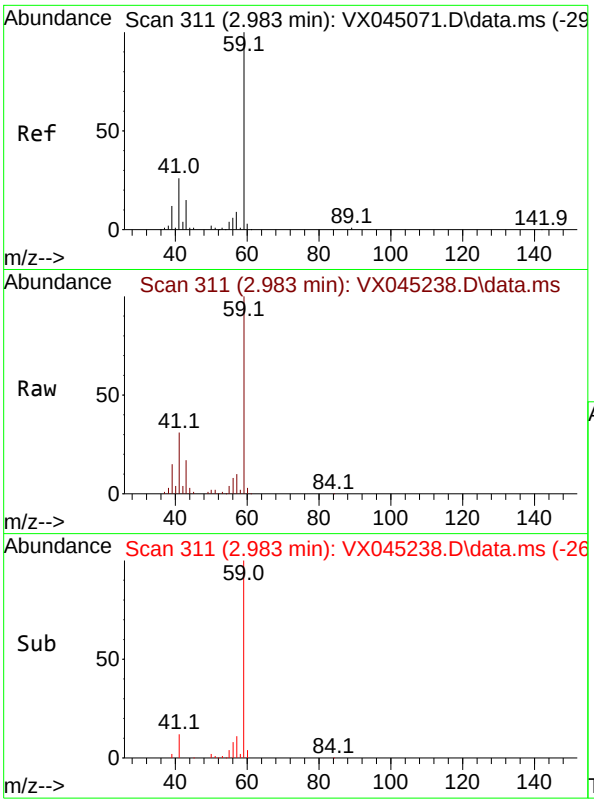


#10
Methyl Iodide
Concen: 51.721 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:142 Resp: 77742

Ion	Ratio	Lower	Upper
142	100		
127	46.2	35.4	53.2
141	14.3	11.6	17.4



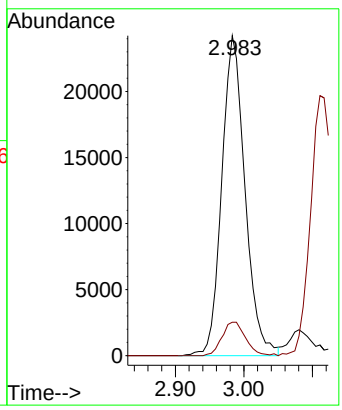


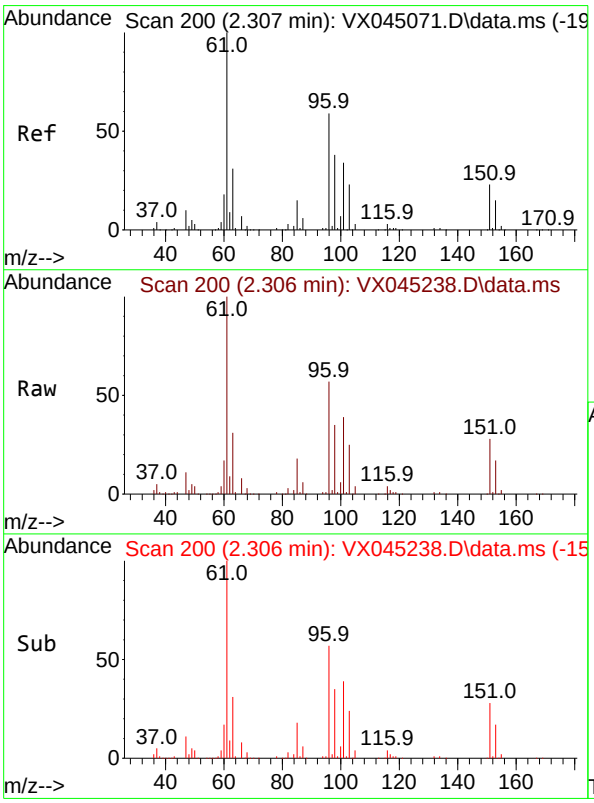
#11
Tert butyl alcohol
Concen: 182.890 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 57025

Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.8

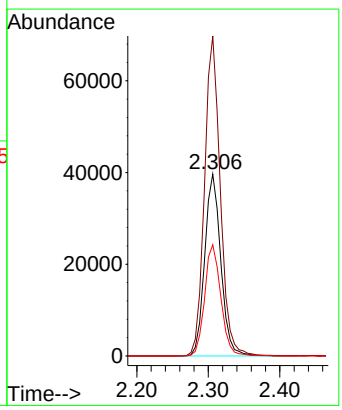


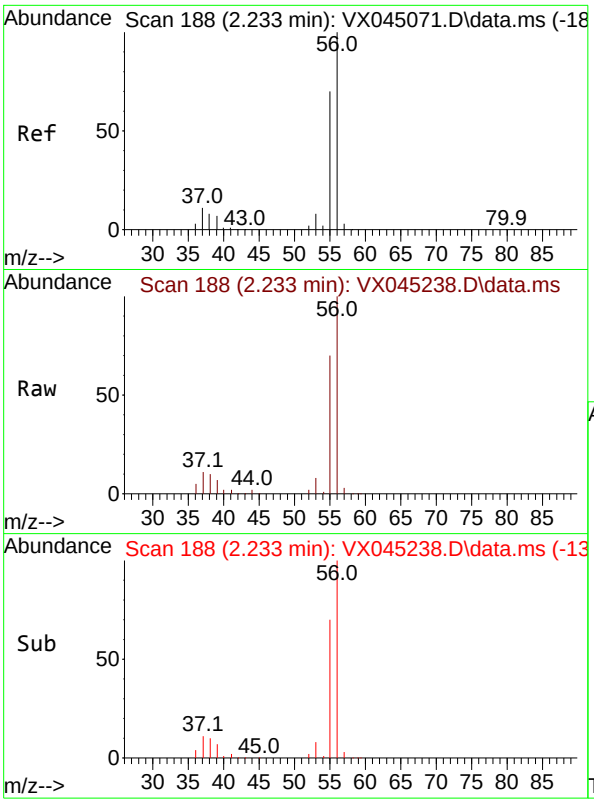


#12
1,1-Dichloroethene
Concen: 48.725 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 96 Resp: 61960

Ion	Ratio	Lower	Upper
96	100		
61	175.8	134.6	202.0
98	61.1	51.0	76.6



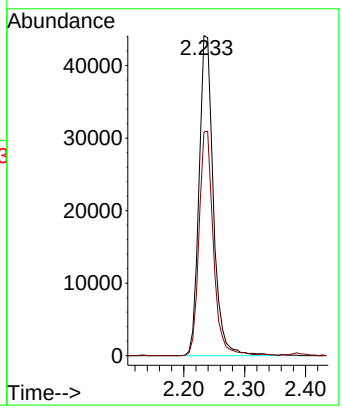


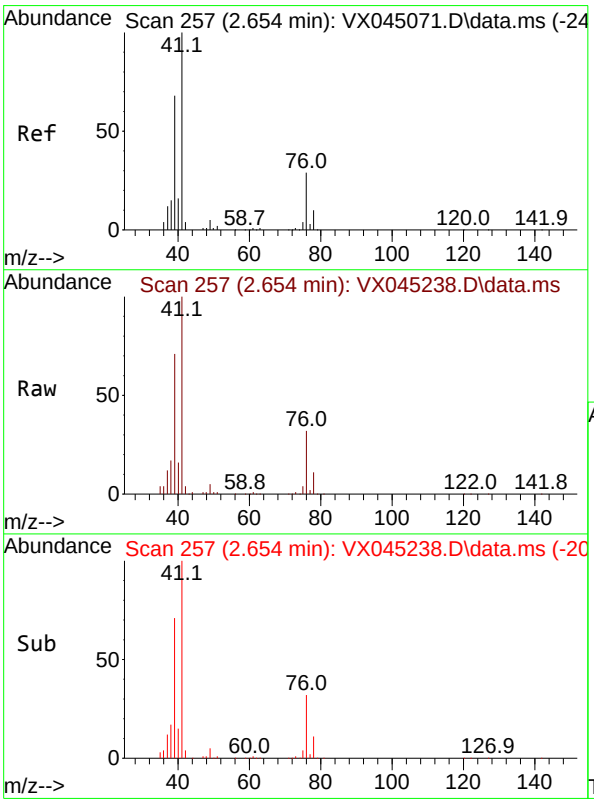
#13
Acrolein
Concen: 199.949 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 72068

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4

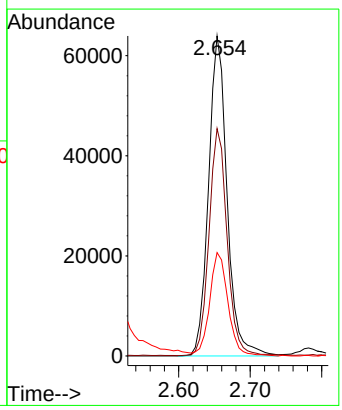


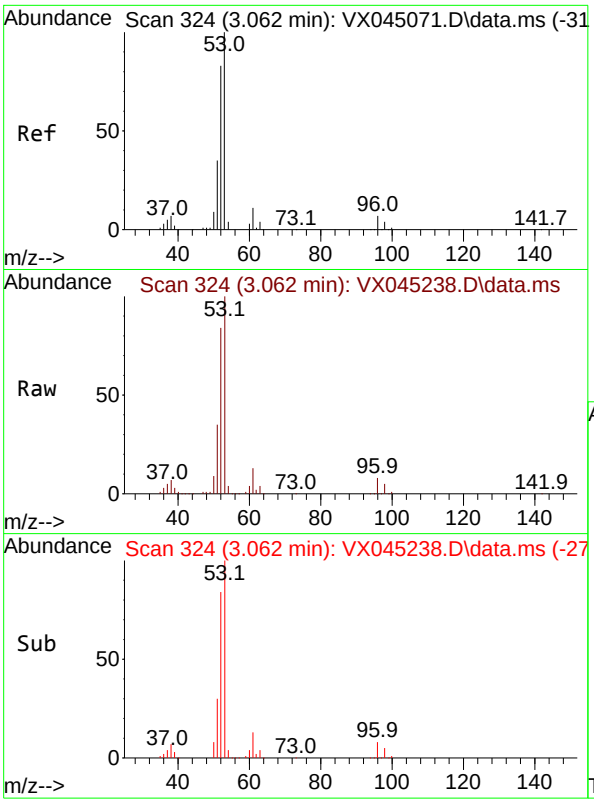


#14
Allyl chloride
Concen: 50.897 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 41 Resp: 115209

Ion	Ratio	Lower	Upper
41	100		
39	69.2	53.8	80.8
76	32.0	25.2	37.8



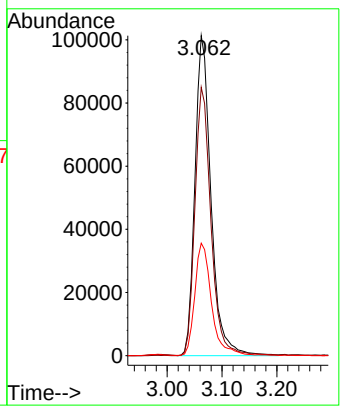


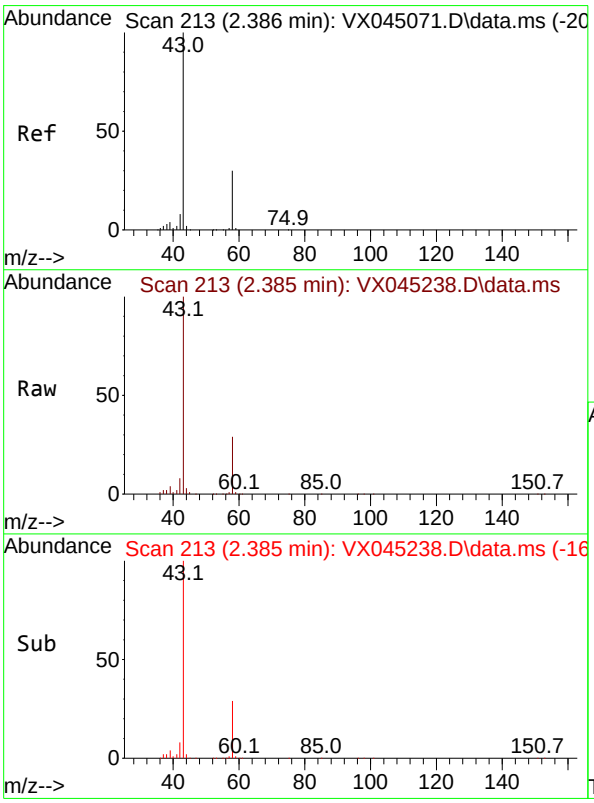
#15
Acrylonitrile
Concen: 247.683 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 206979

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.3	29.0	43.4

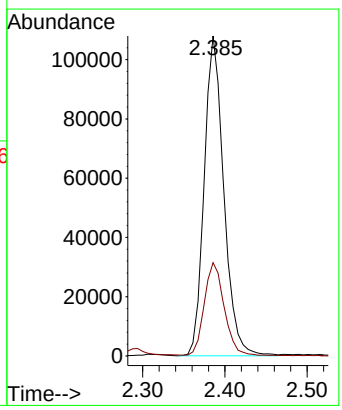


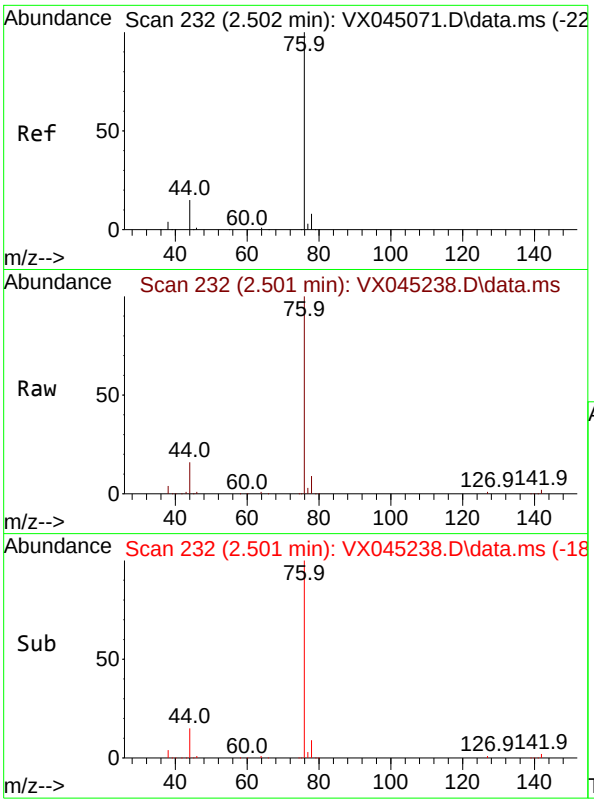


#16
Acetone
Concen: 234.069 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 178769

Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.2	36.4



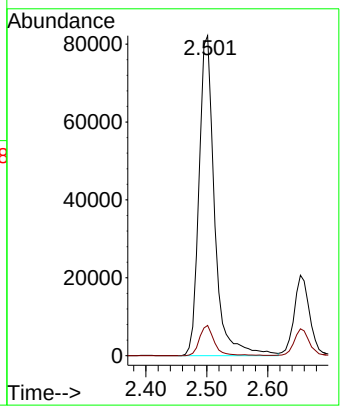


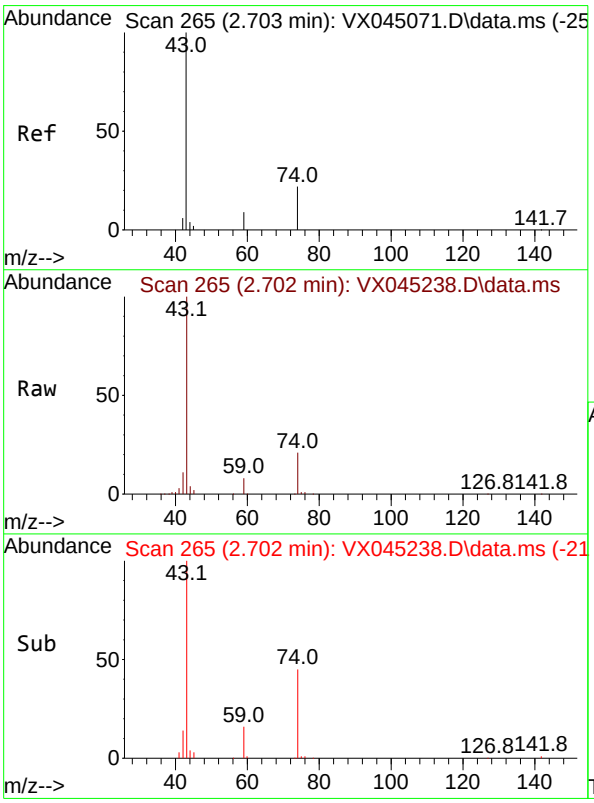
#17
Carbon Disulfide
Concen: 43.194 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 146295

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8

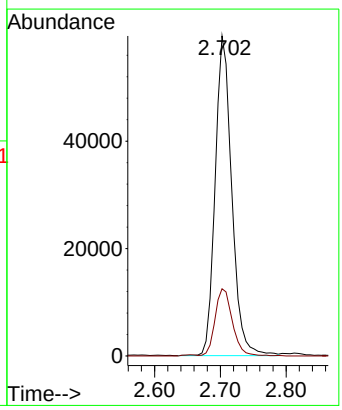


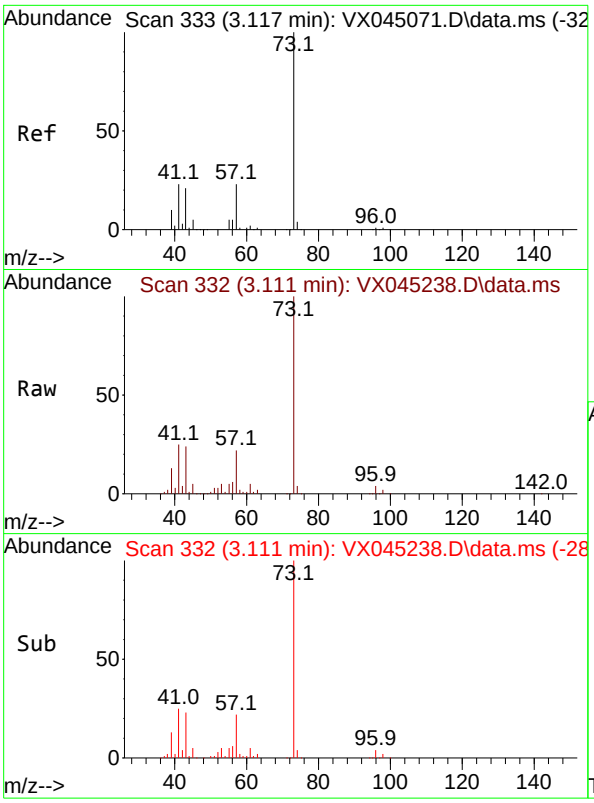


#18
Methyl Acetate
Concen: 57.056 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 104831

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



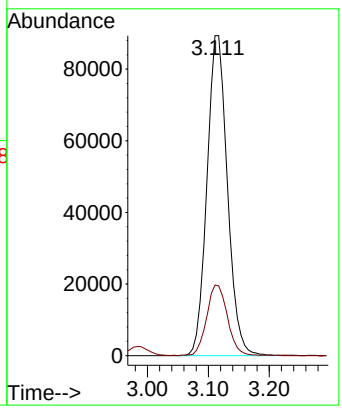


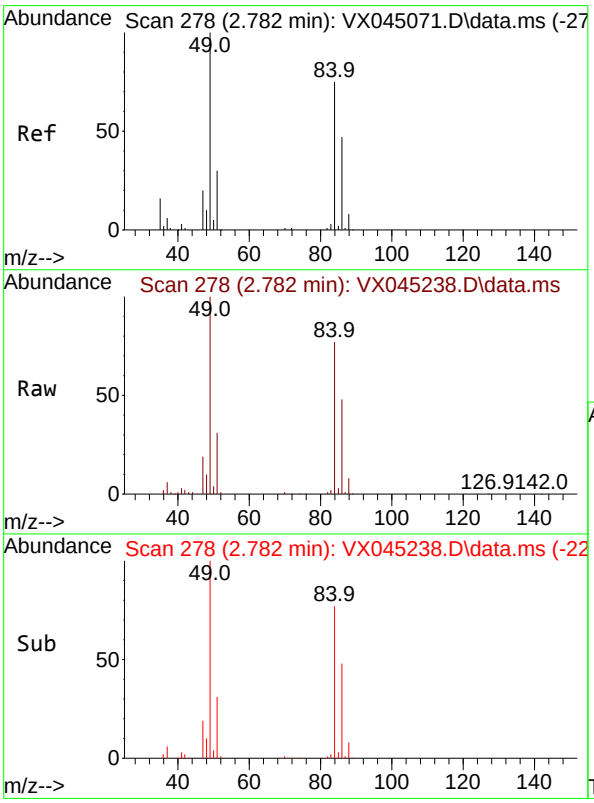
#19
Methyl tert-butyl Ether
Concen: 48.805 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 208220

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.5	27.7

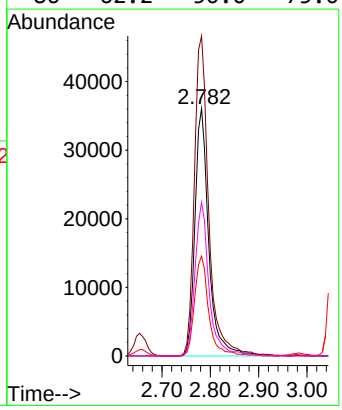


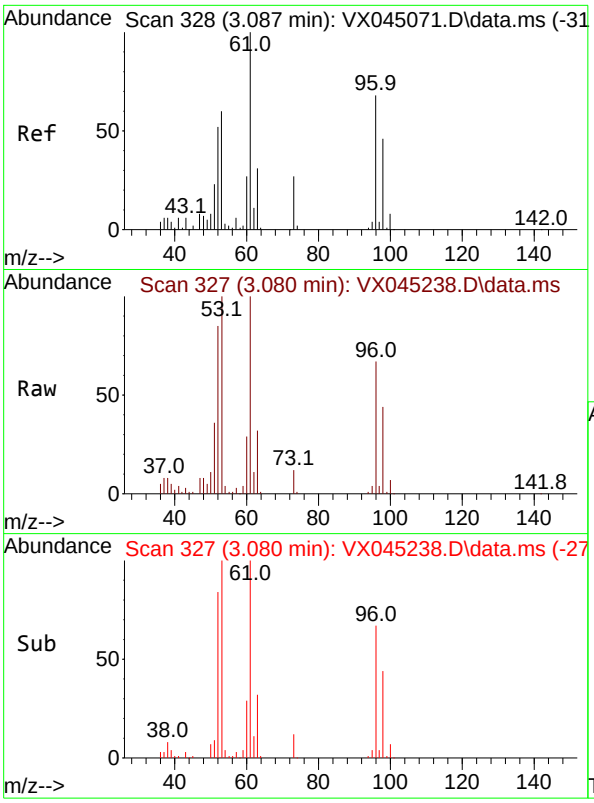


#20
Methylene Chloride
Concen: 47.297 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 84 Resp: 71555

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	40.3	32.1	48.1
86	62.2	50.0	75.0



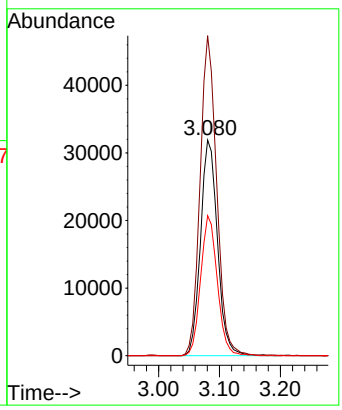


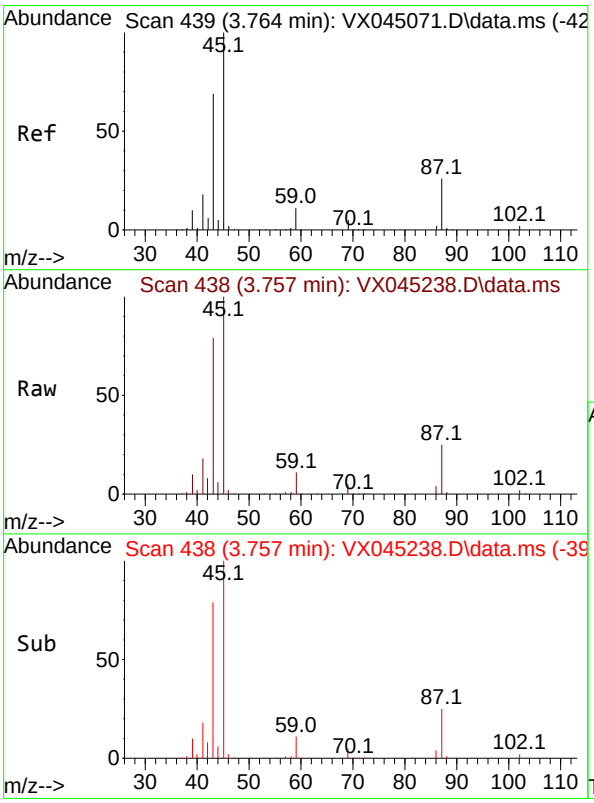
#21
trans-1,2-Dichloroethene
Concen: 49.065 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 61640

Ion	Ratio	Lower	Upper
96	100		
61	148.4	117.0	175.4
98	64.9	53.4	80.2

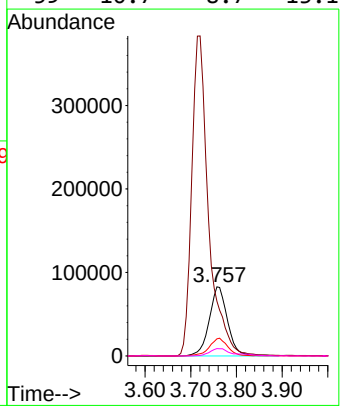


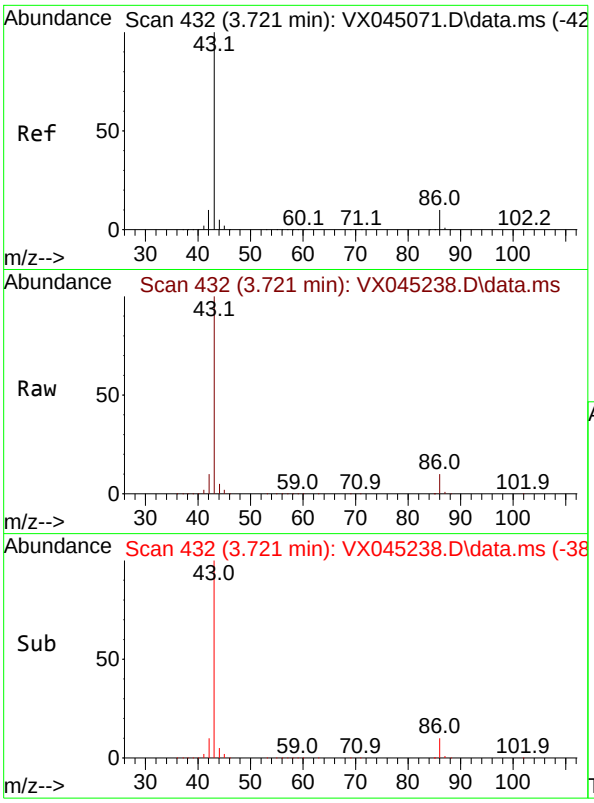


#22
Diisopropyl ether
Concen: 50.113 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 45 Resp: 230699

Ion	Ratio	Lower	Upper
45	100		
43	78.8	54.9	82.3
87	24.8	21.0	31.4
59	10.7	8.7	13.1



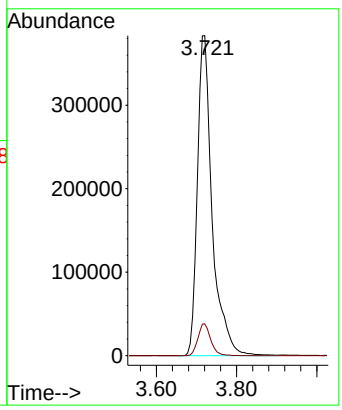


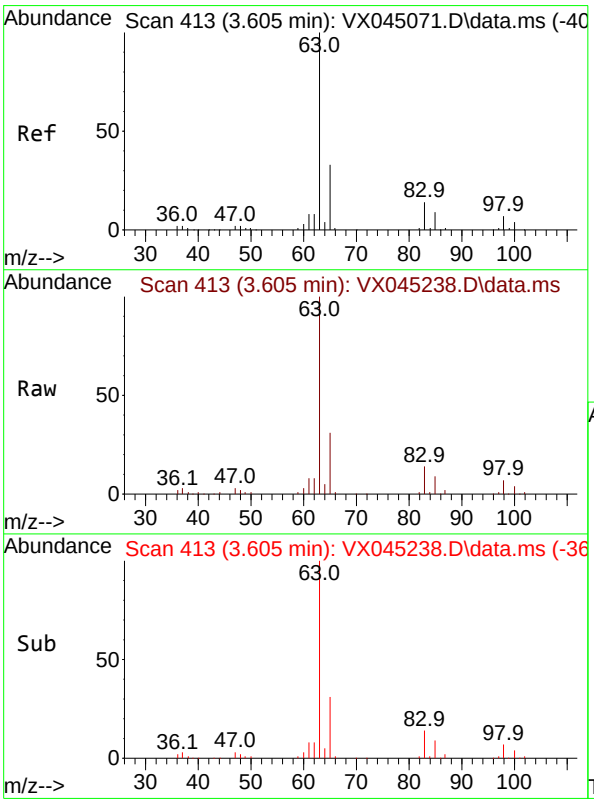
#23
Vinyl Acetate
Concen: 255.834 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 982839

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

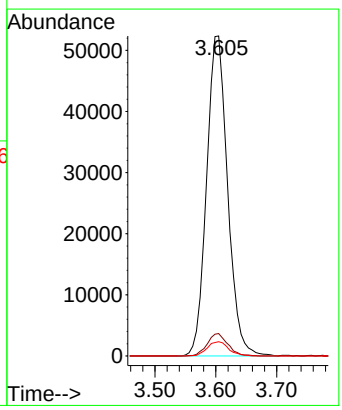


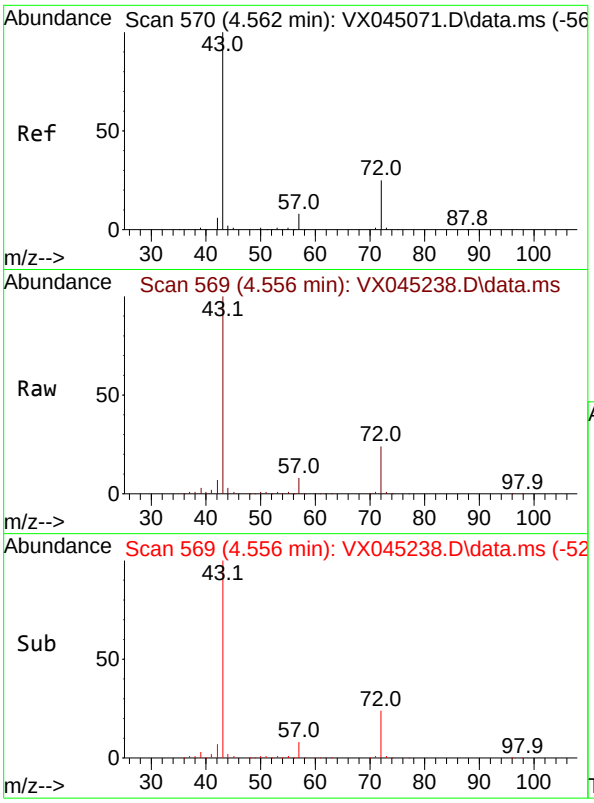


#24
1,1-Dichloroethane
Concen: 48.745 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 63 Resp: 125762

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.5	2.1	6.5



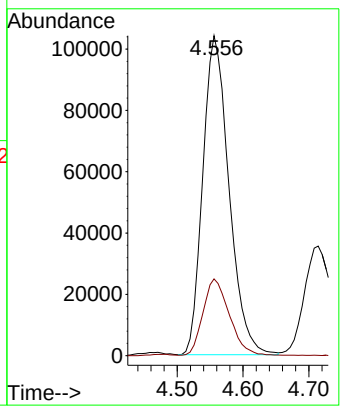


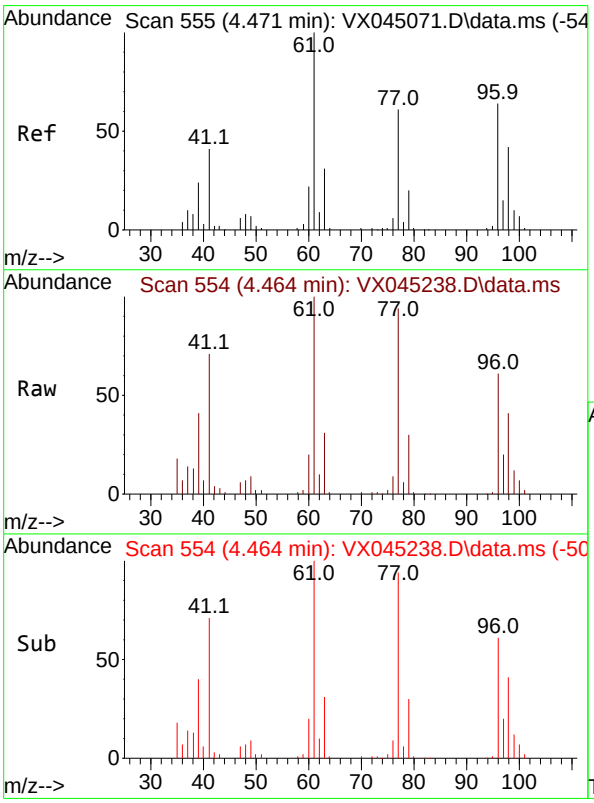
#25
2-Butanone
Concen: 250.972 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 288524

Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0

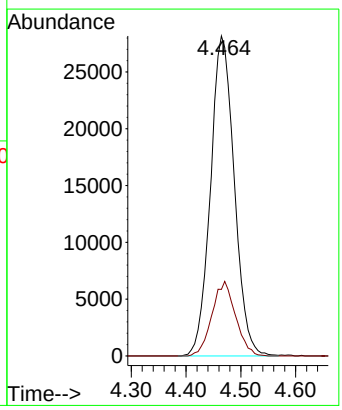


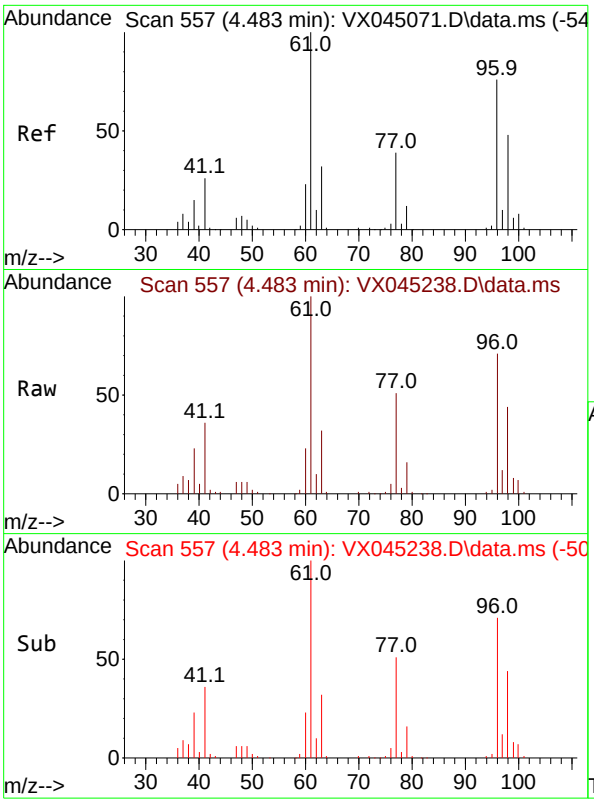


#26
2,2-Dichloropropane
Concen: 70.215 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 77 Resp: 84970

Ion	Ratio	Lower	Upper
77	100		
97	23.1	12.4	37.0



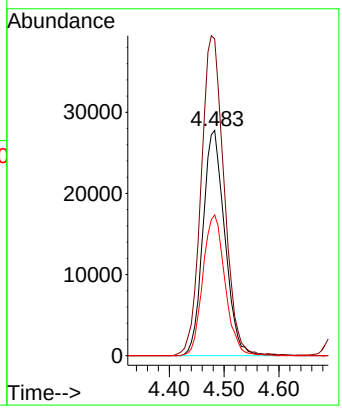


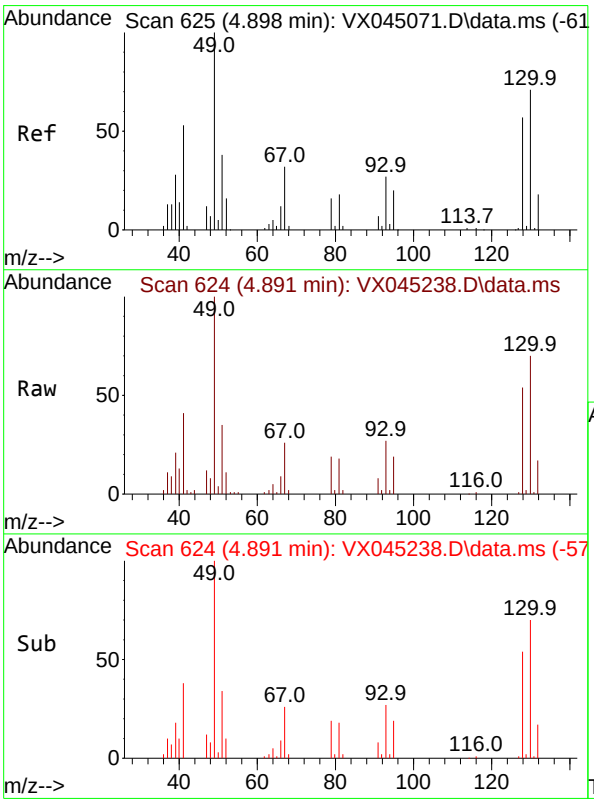
#27
cis-1,2-Dichloroethene
Concen: 49.593 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 76911

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	283.2
98	63.3	0.0	128.0

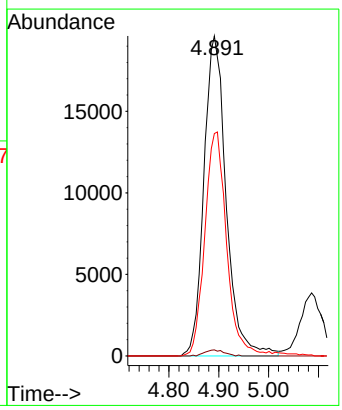


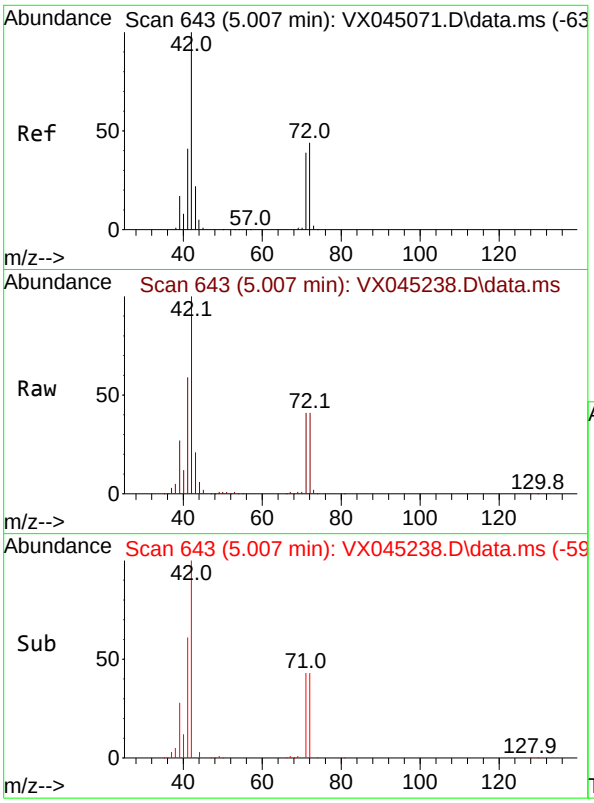


#28
Bromochloromethane
Concen: 49.455 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 49 Resp: 60817

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.2	56.1	84.1



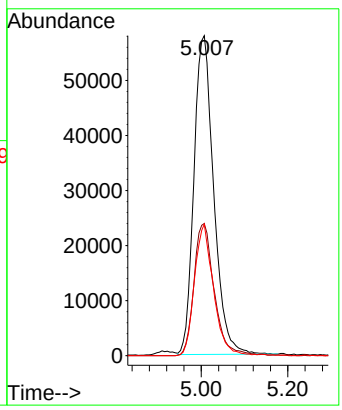


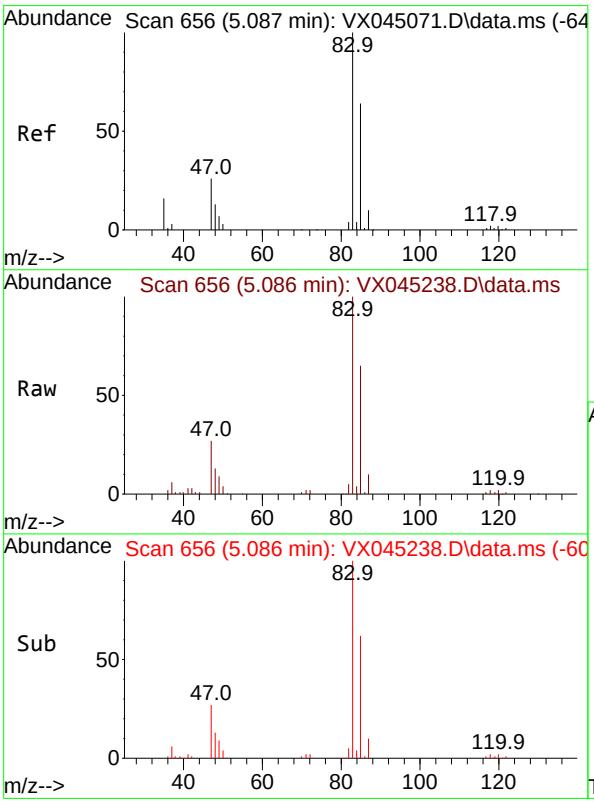
#29
Tetrahydrofuran
Concen: 238.107 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 183826

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.6	31.4	47.0

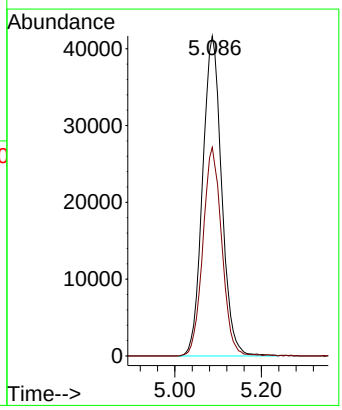


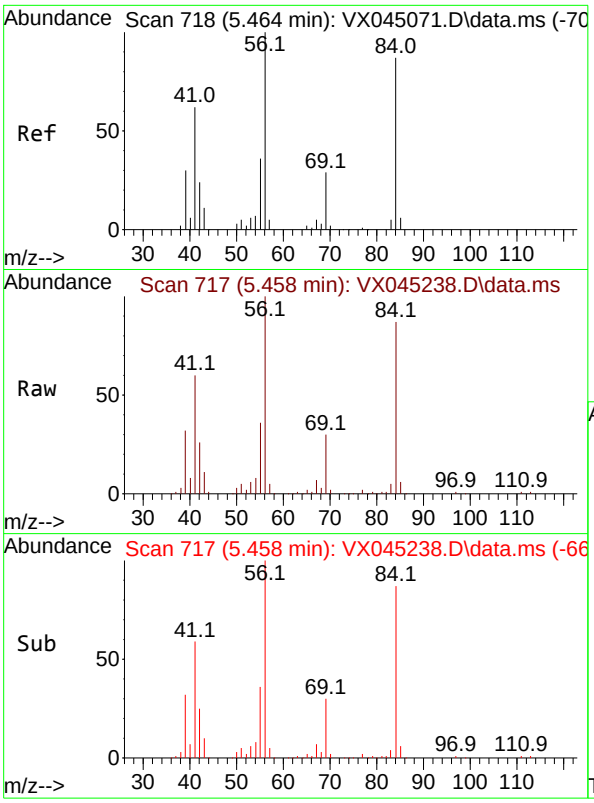


#30
Chloroform
Concen: 49.675 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 83 Resp: 127343

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2



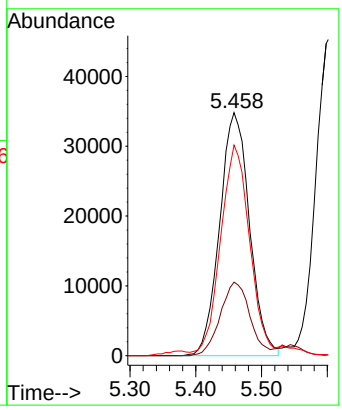


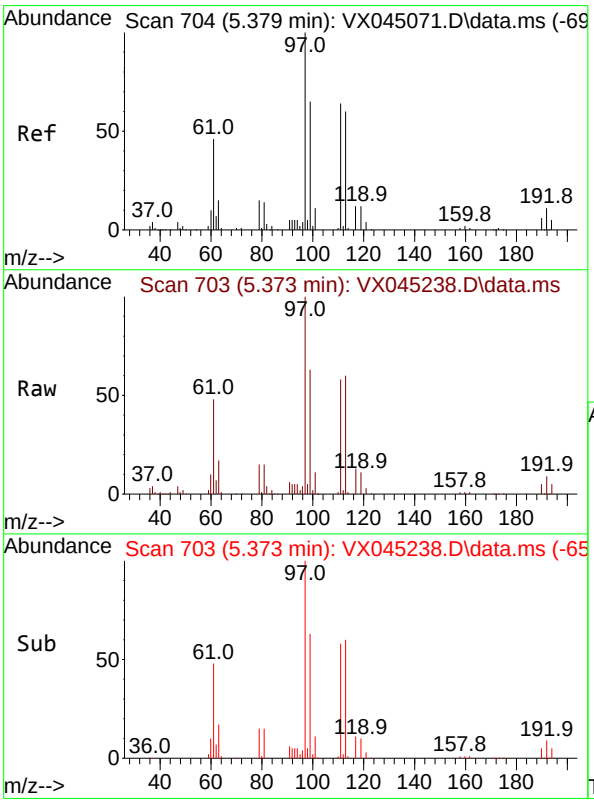
#31
Cyclohexane
Concen: 49.096 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 109954

Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.4	35.2
84	84.7	69.4	104.2

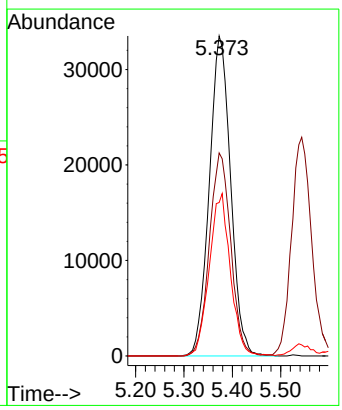


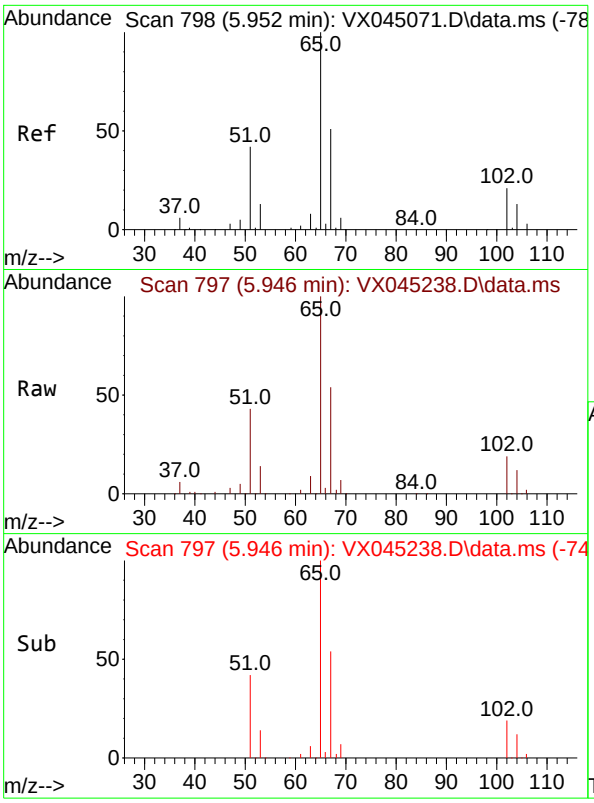


#32
1,1,1-Trichloroethane
Concen: 49.582 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 97 Resp: 102657

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	50.4	38.4	57.6



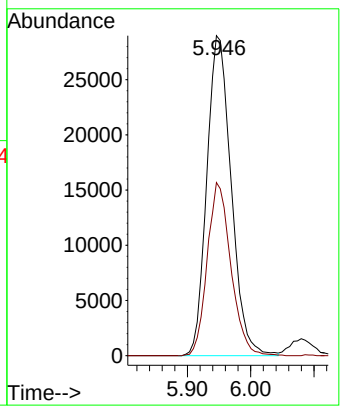


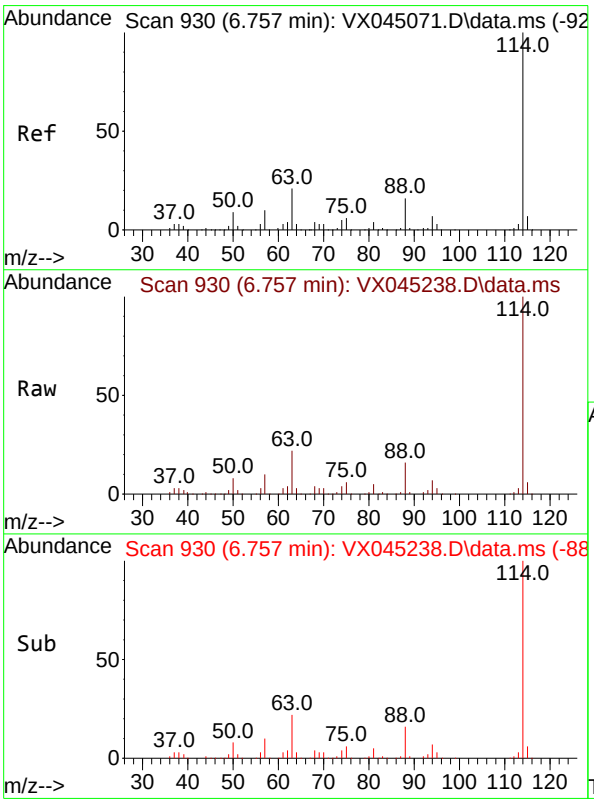
#33
1,2-Dichloroethane-d4
Concen: 47.184 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 77670

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2

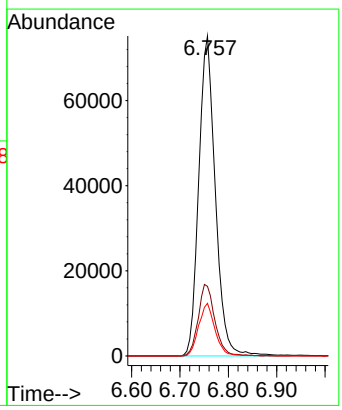


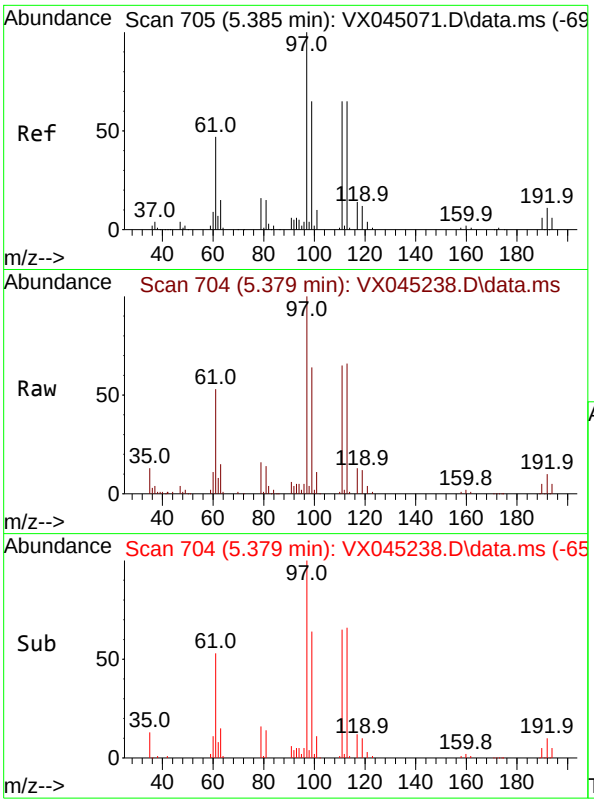


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:114 Resp: 178691

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.4	0.0	32.8



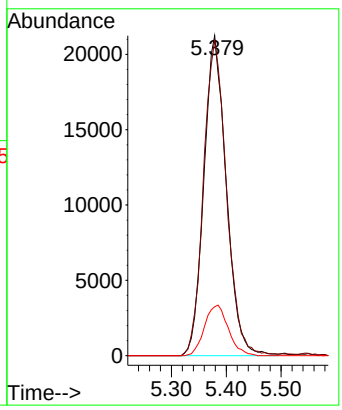


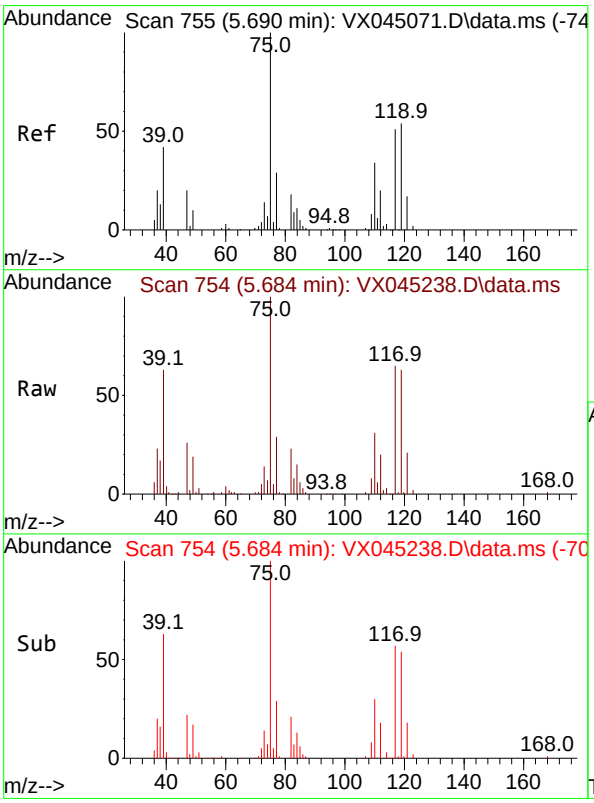
#35
Dibromofluoromethane
Concen: 50.434 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 60262

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	16.8	14.3	21.5

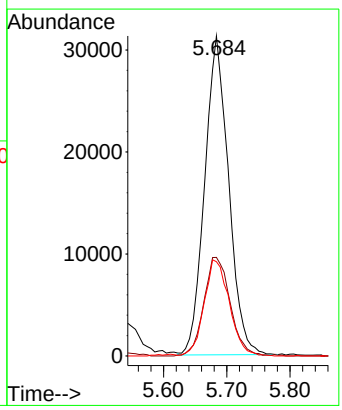


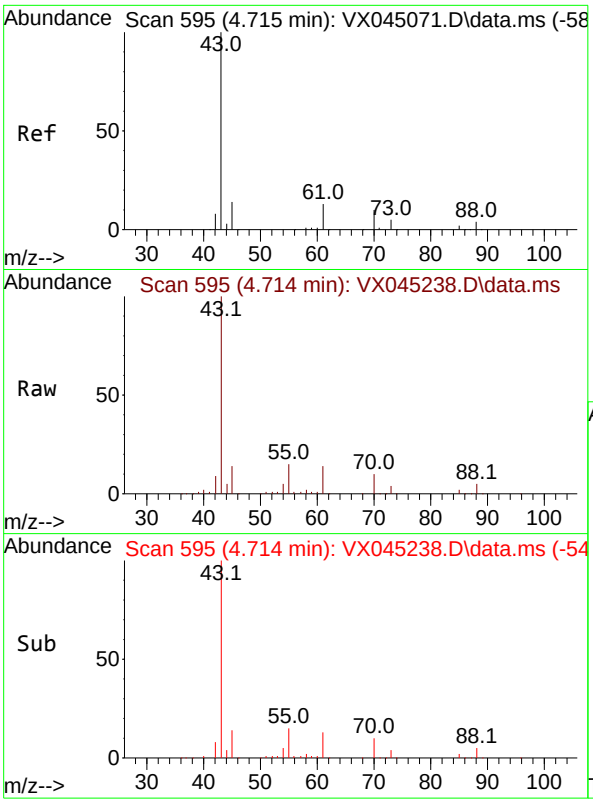


#36
1,1-Dichloropropene
Concen: 50.164 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 82200

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.9	24.5	36.7



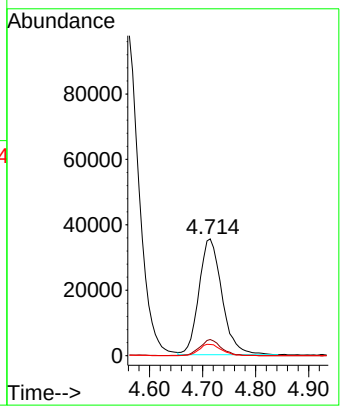


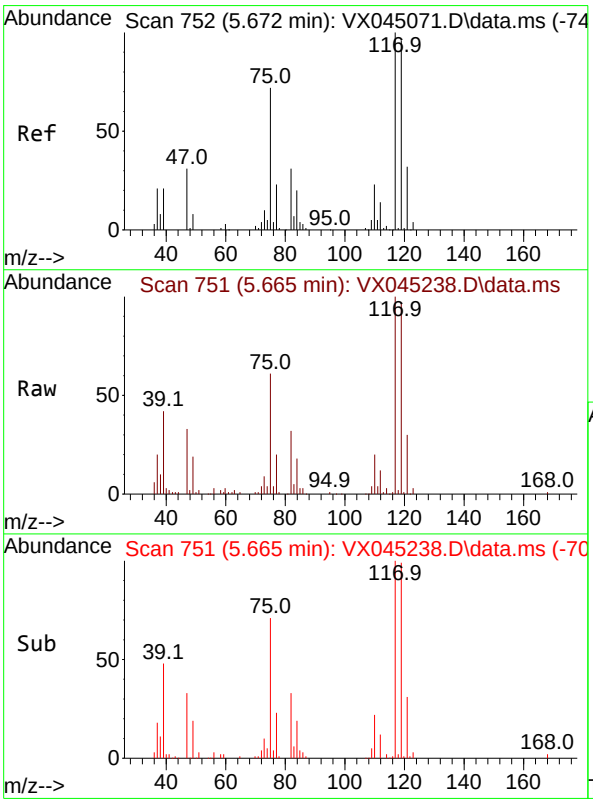
#37
Ethyl Acetate
Concen: 50.640 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 106925

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.5	7.7	11.5

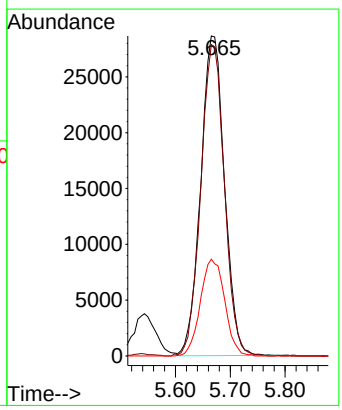


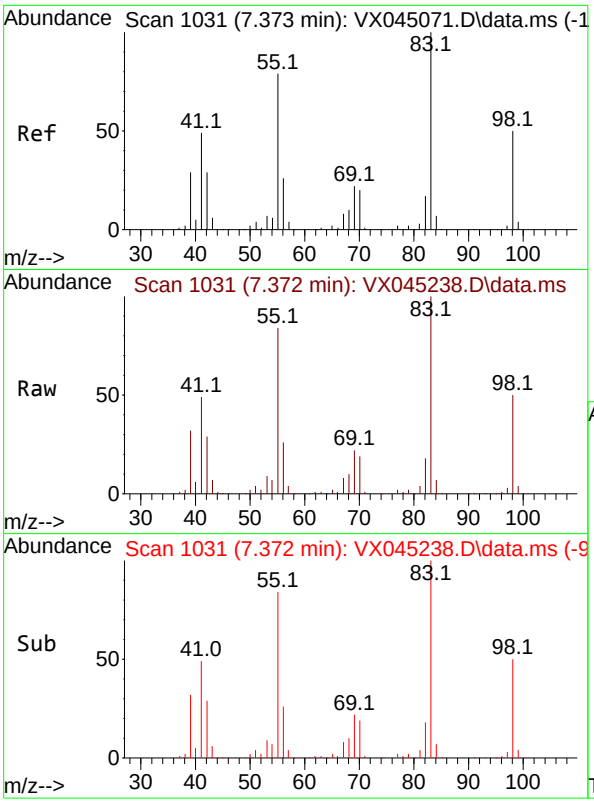


#38
Carbon Tetrachloride
Concen: 51.792 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:117 Resp: 86162

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	30.3	25.5	38.3



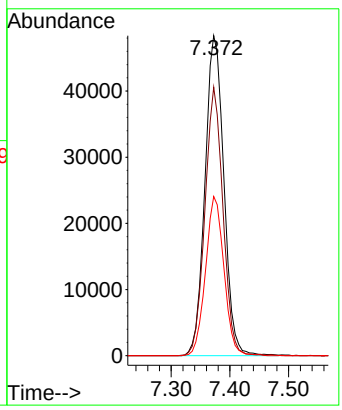


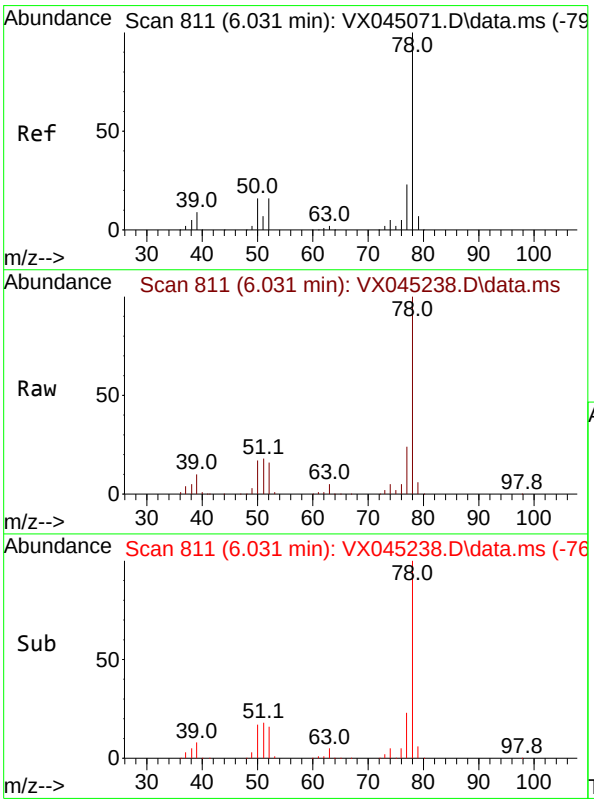
#39
Methylcyclohexane
Concen: 55.236 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 108454

Ion	Ratio	Lower	Upper
83	100		
55	83.9	63.0	94.4
98	49.7	39.7	59.5

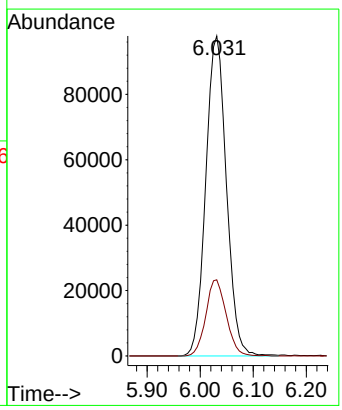


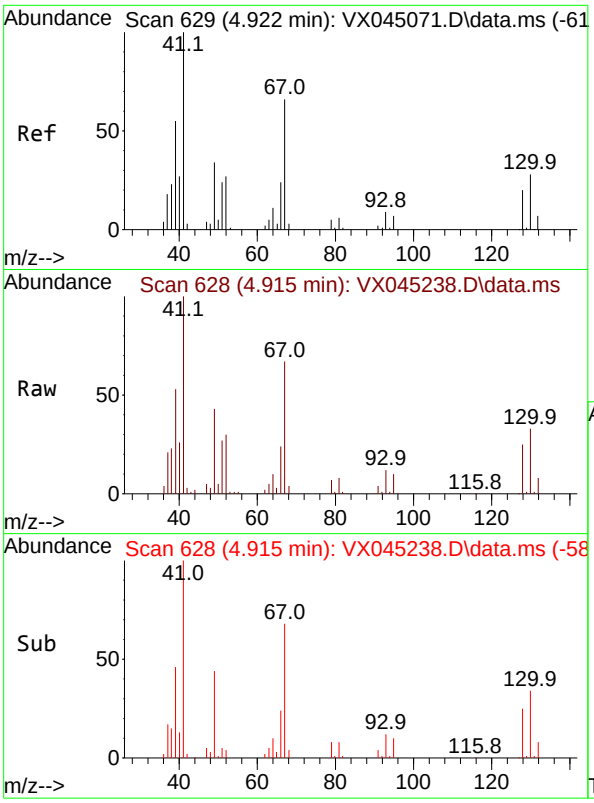


#40
Benzene
Concen: 50.984 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 78 Resp: 263814

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



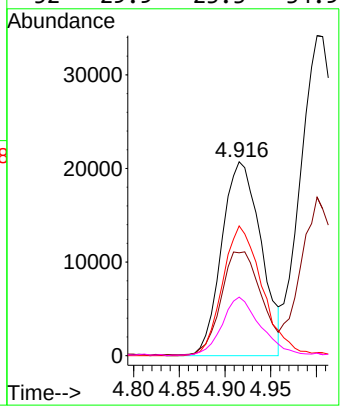


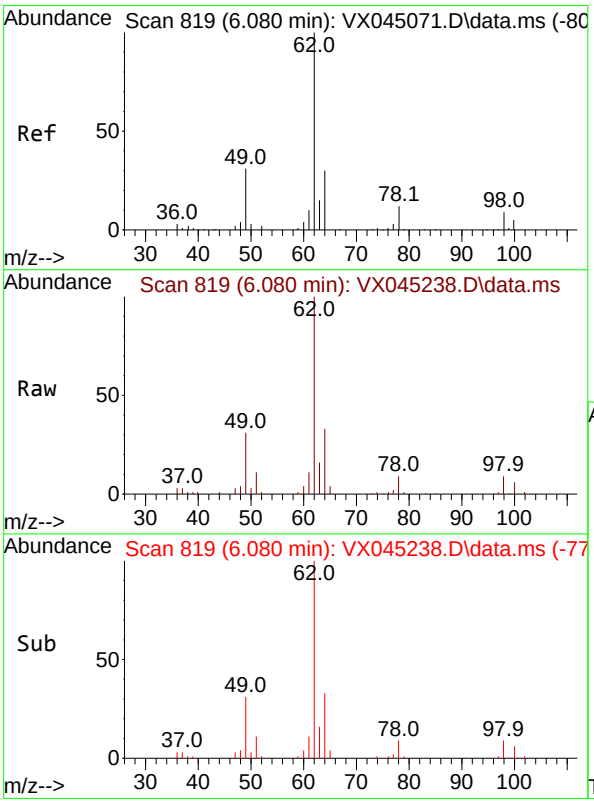
#41
Methacrylonitrile
Concen: 54.370 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 62075

Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.6	67.0
67	68.1	53.9	80.9
52	29.9	23.3	34.9

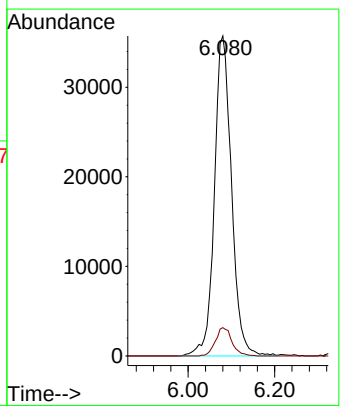


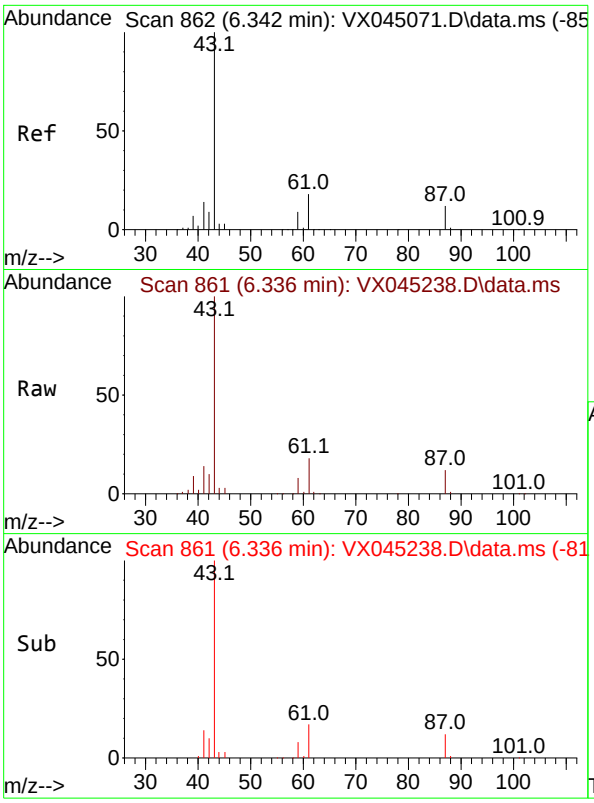


#42
1,2-Dichloroethane
Concen: 52.777 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



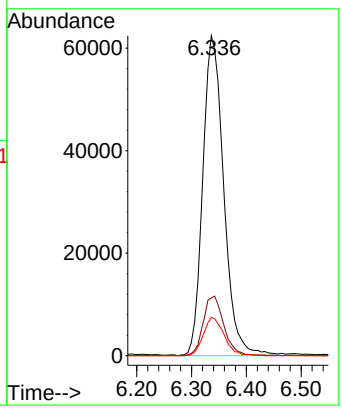


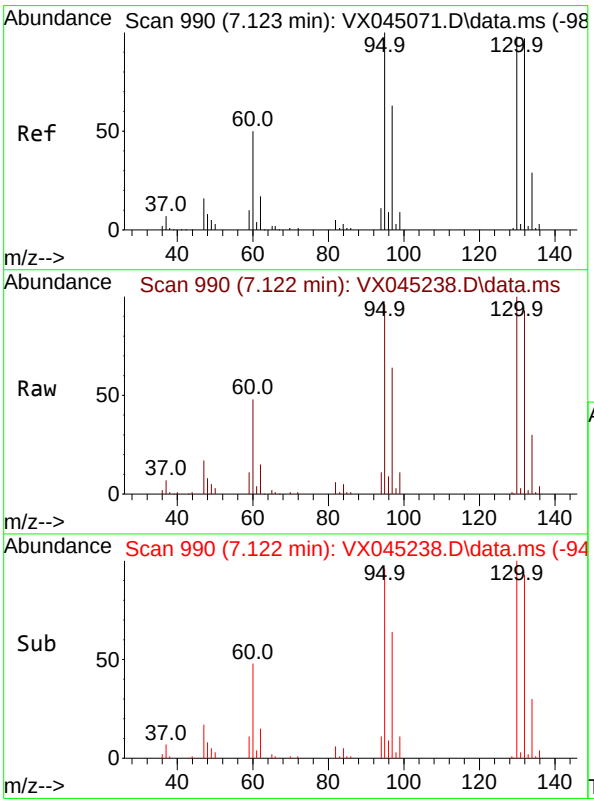
#43
Isopropyl Acetate
Concen: 53.134 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 165899

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.8	9.4	14.2

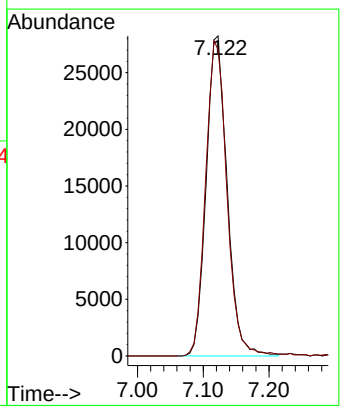


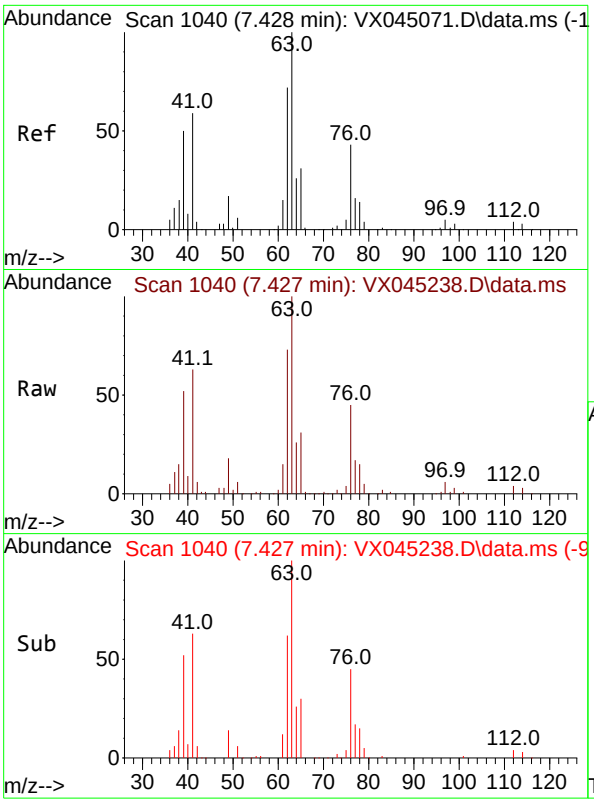


#44
Trichloroethene
Concen: 51.477 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:130 Resp: 62545

Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	205.0



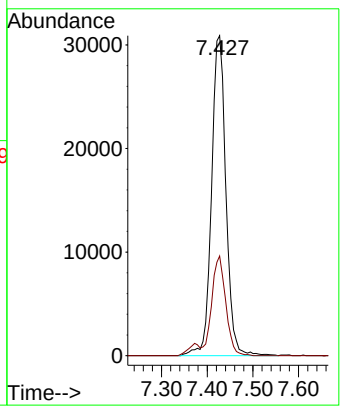


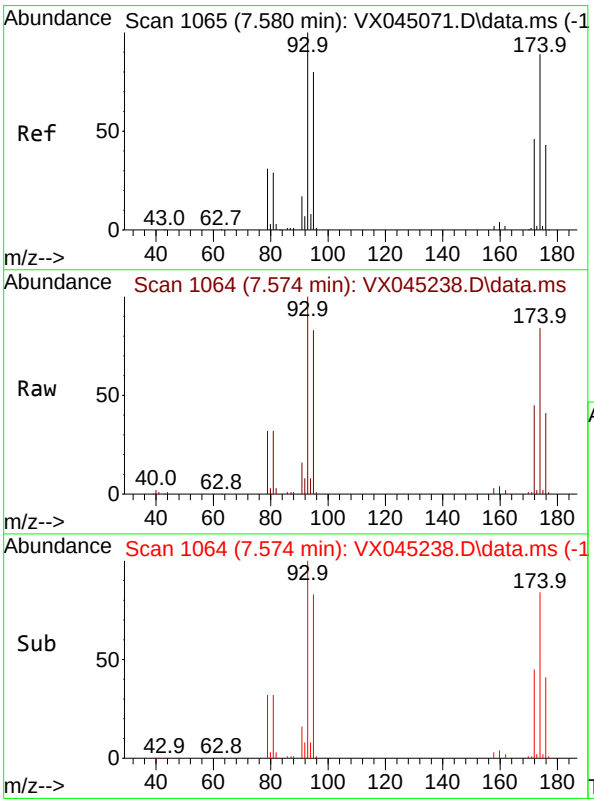
#45
1,2-Dichloropropane
Concen: 50.738 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 67501

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.7	37.1

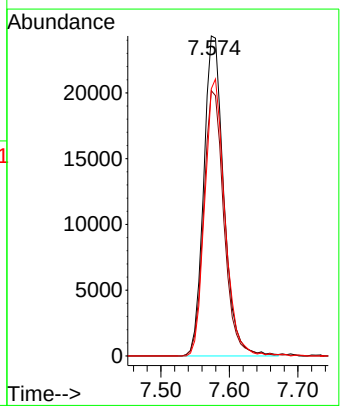


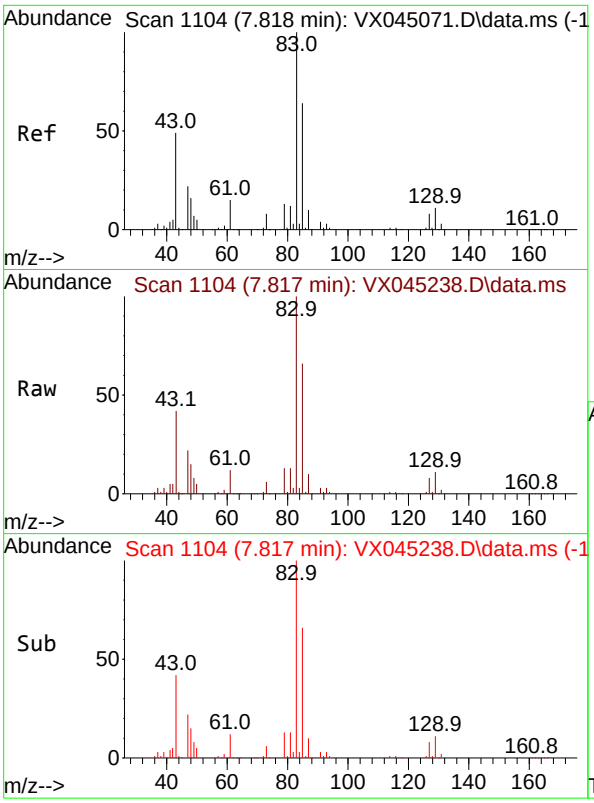


#46
Dibromomethane
Concen: 52.820 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 93 Resp: 49669

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.8	98.8
174	86.6	72.2	108.2



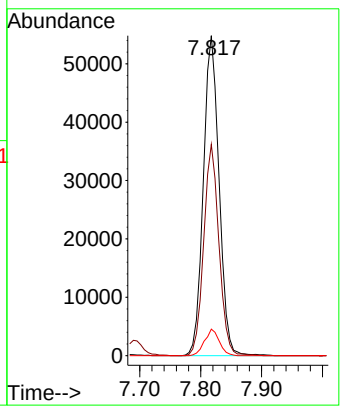


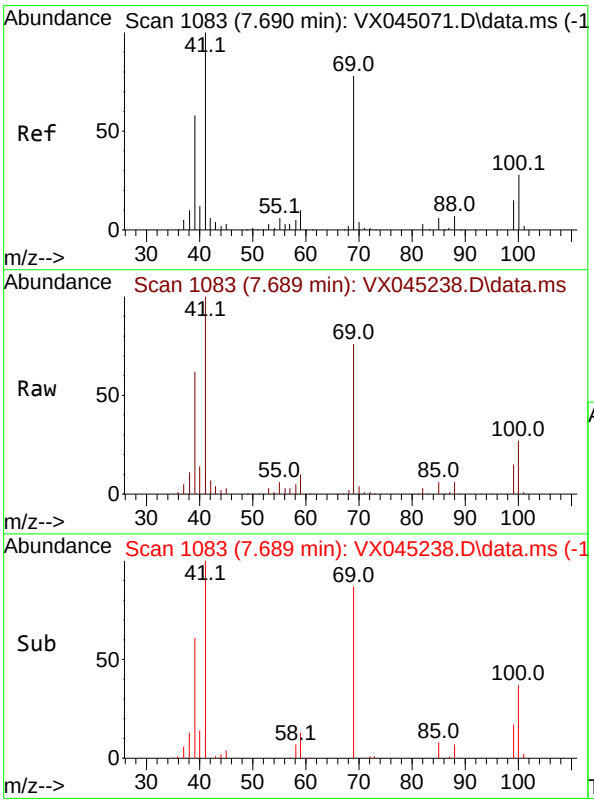
#47
Bromodichloromethane
Concen: 53.359 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 98418

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7
127	8.3	6.4	9.6

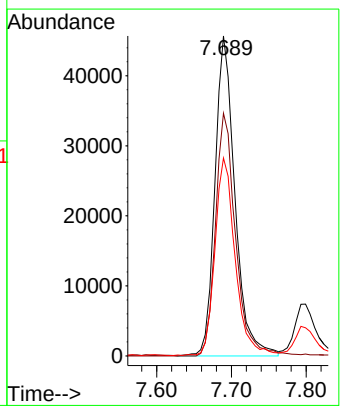


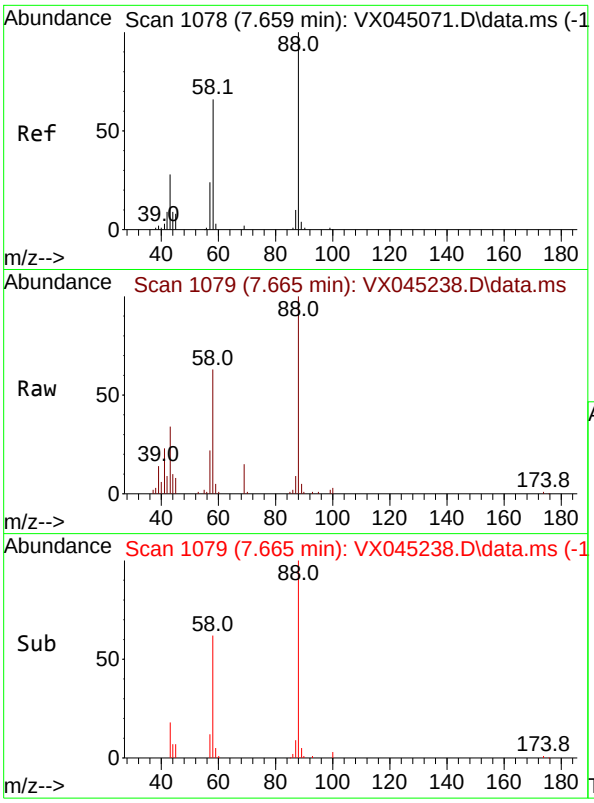


#48
Methyl methacrylate
Concen: 54.217 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 41 Resp: 84926

Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.0	94.6
39	62.4	47.5	71.3



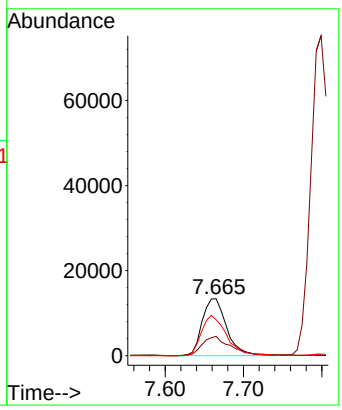


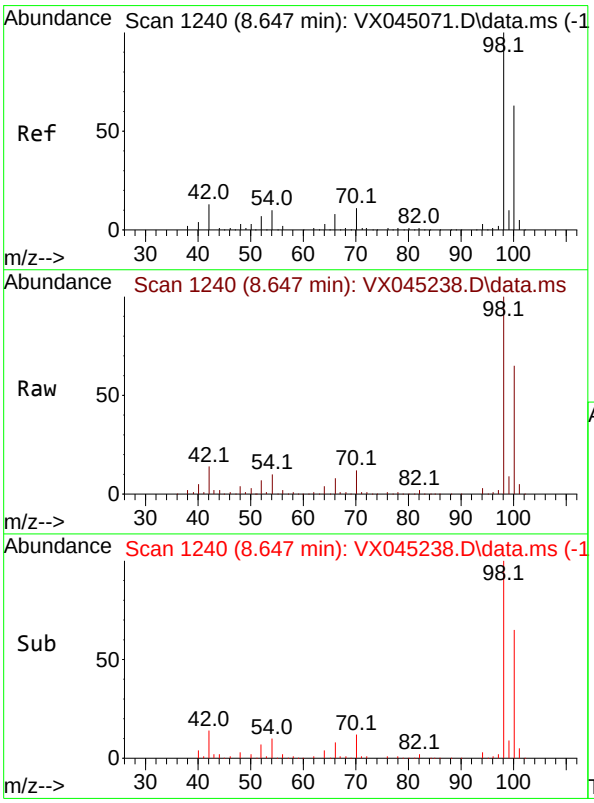
#49
1,4-Dioxane
Concen: 881.577 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29129

Ion	Ratio	Lower	Upper
88	100		
43	39.4	28.7	43.1
58	72.7	55.8	83.8

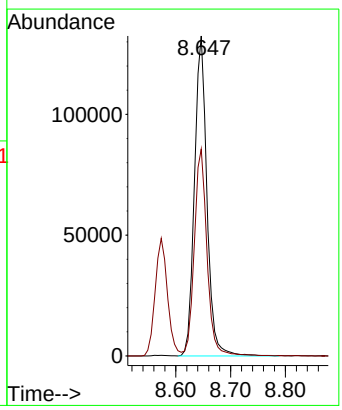


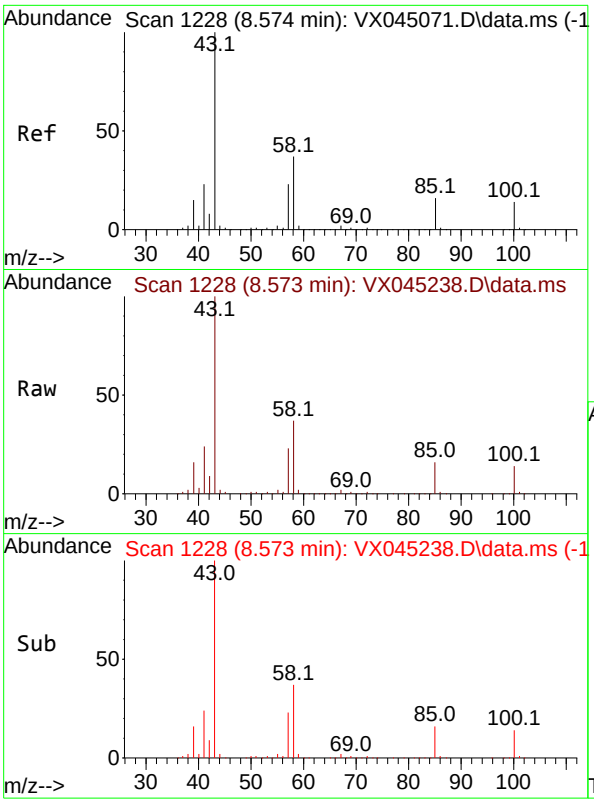


#50
Toluene-d8
Concen: 48.630 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 98 Resp: 210656

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



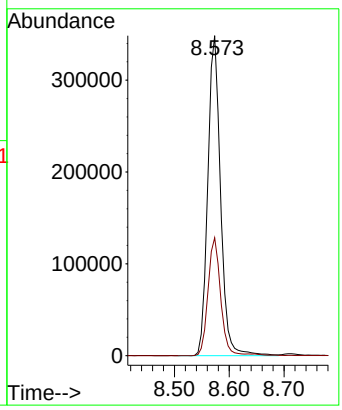


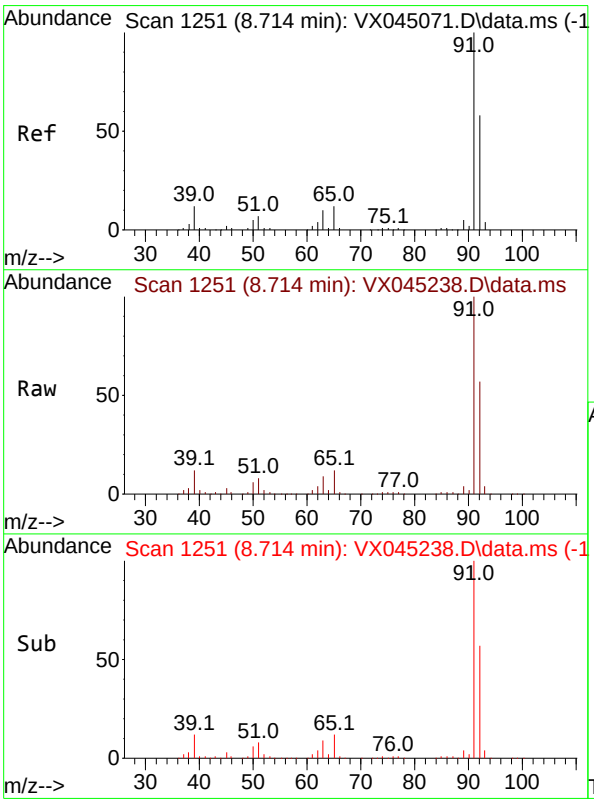
#51
4-Methyl-2-Pentanone
Concen: 267.292 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 560361

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

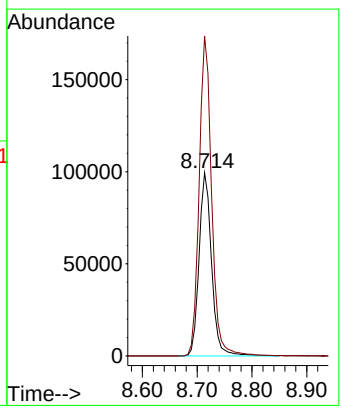


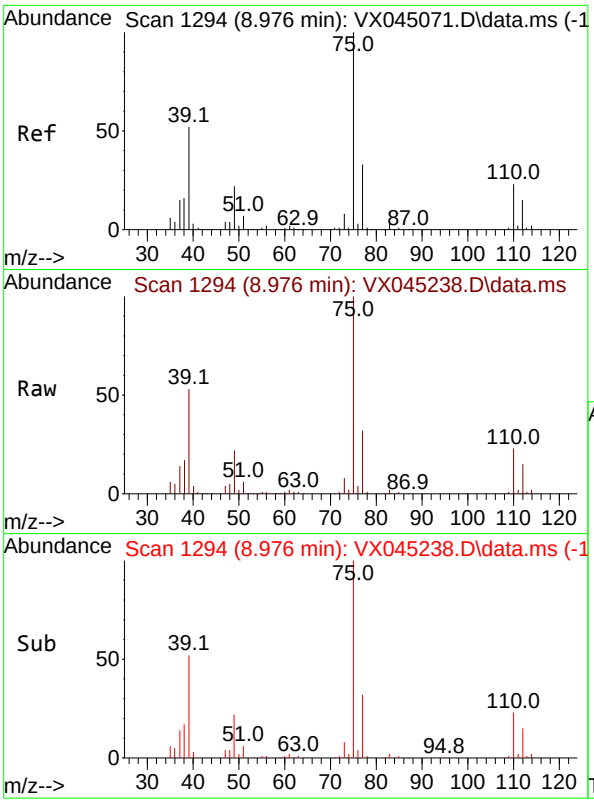


#52
Toluene
Concen: 52.048 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 92 Resp: 158015

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



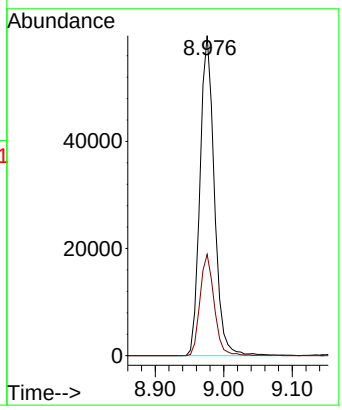


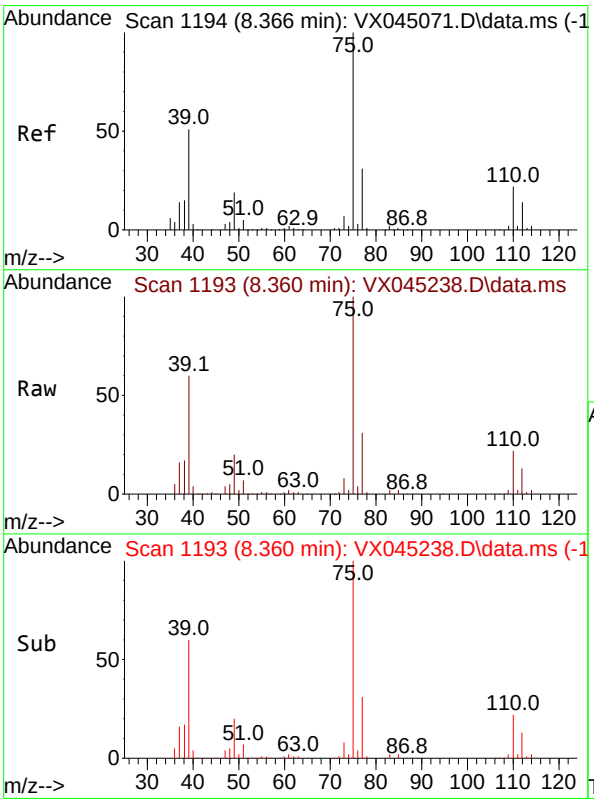
#53
t-1,3-Dichloropropene
Concen: 56.614 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 87297

Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.5	39.7

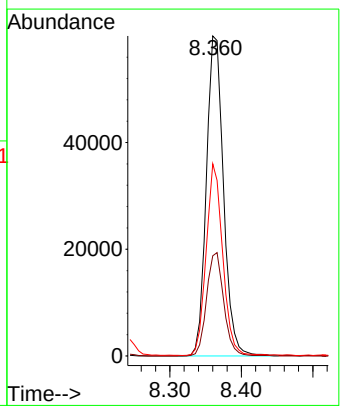


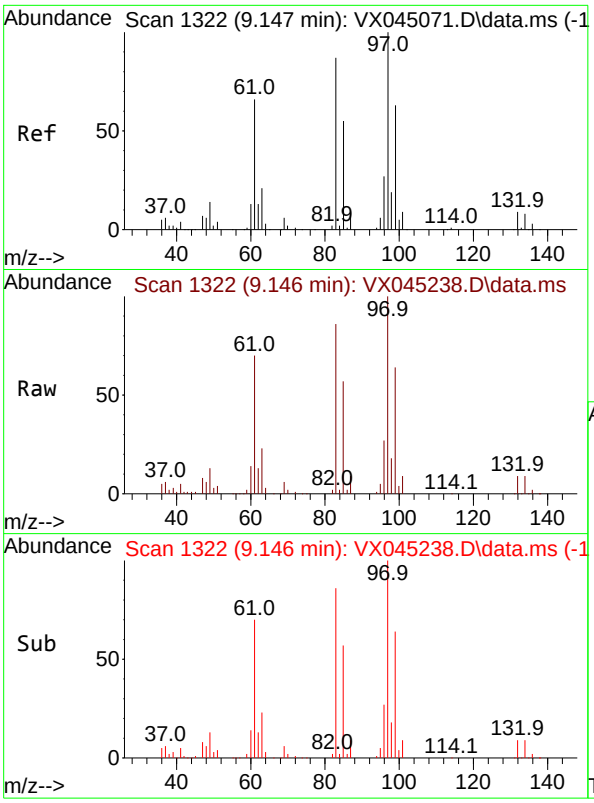


#54
cis-1,3-Dichloropropene
Concen: 55.619 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 100008

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	59.9	40.7	61.1



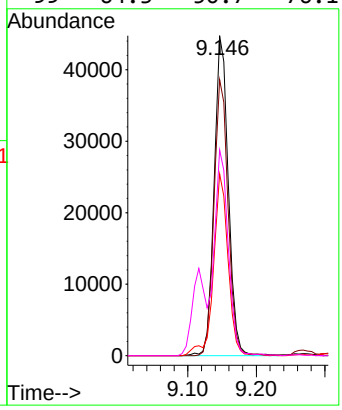


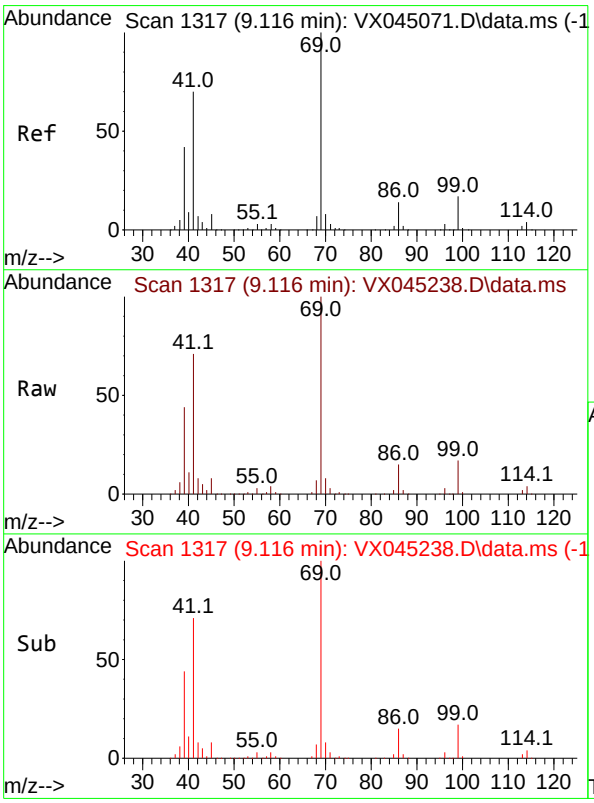
#55
1,1,2-Trichloroethane
Concen: 51.433 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 64282

Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.2
85	56.8	44.1	66.1
99	64.3	50.7	76.1

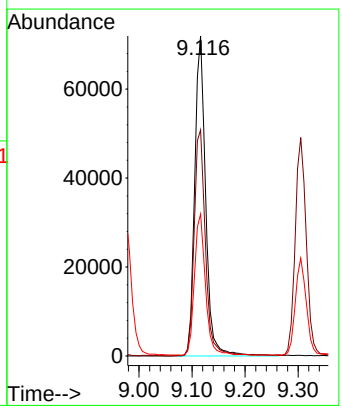


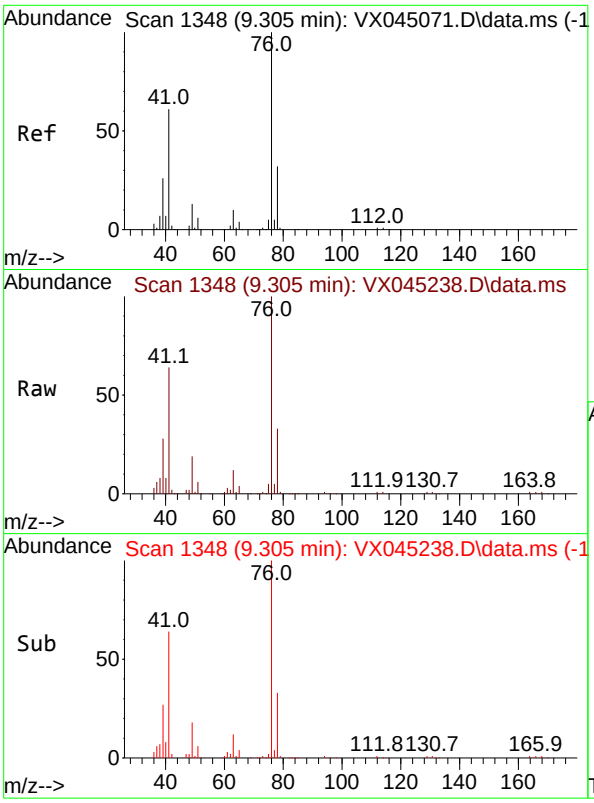


#56
Ethyl methacrylate
Concen: 54.295 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 69 Resp: 103151

Ion	Ratio	Lower	Upper
69	100		
41	73.1	57.0	85.4
39	44.4	34.2	51.4



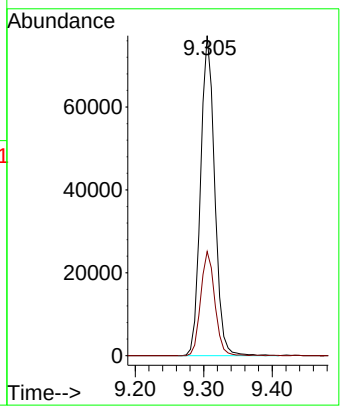


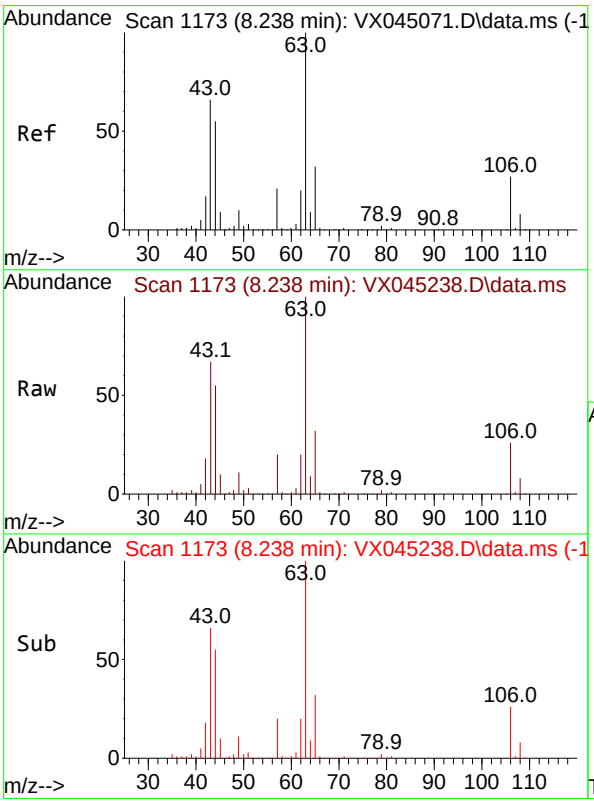
#57
1,3-Dichloropropane
Concen: 51.088 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 110498

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

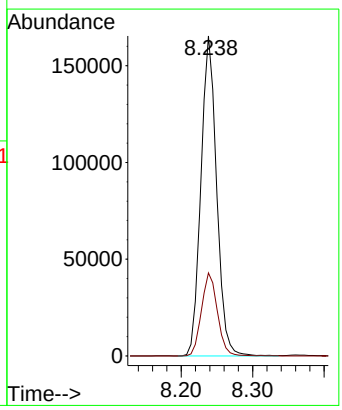


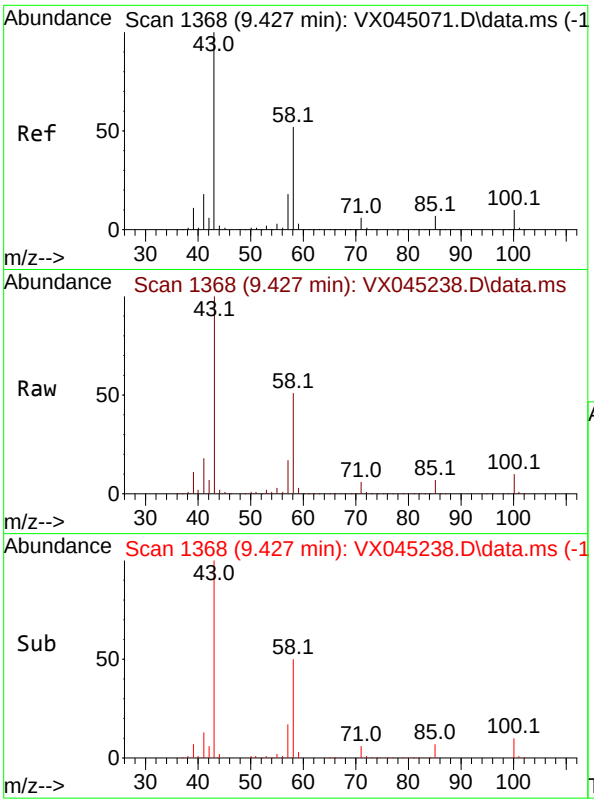


#58
2-Chloroethyl Vinyl ether
Concen: 272.503 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 63 Resp: 252540

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3



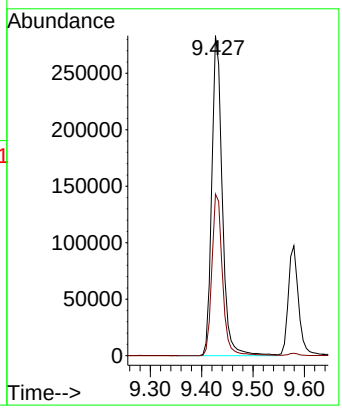


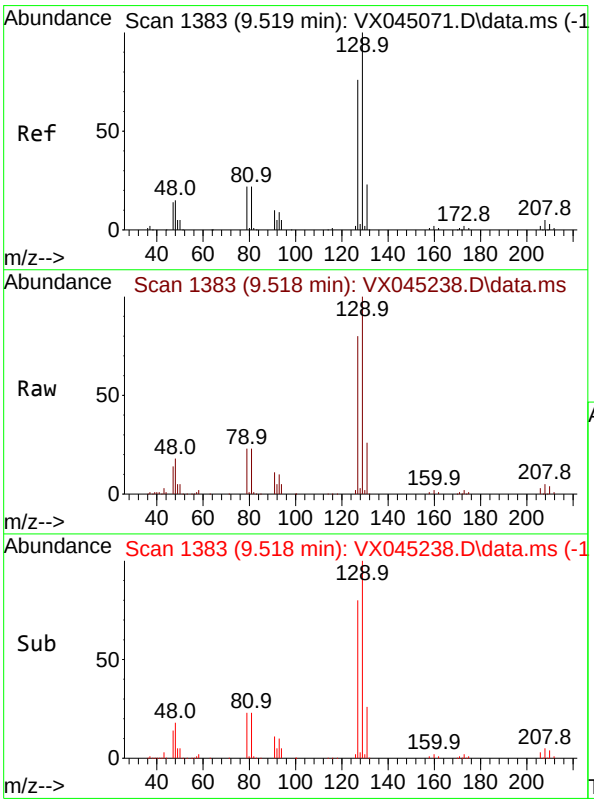
#59
2-Hexanone
Concen: 264.714 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 402089

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

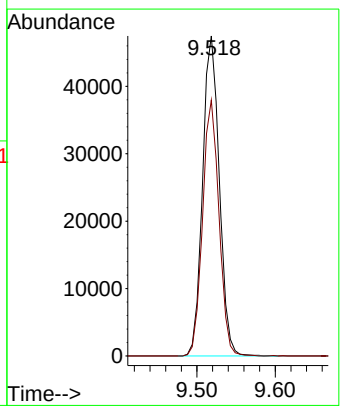


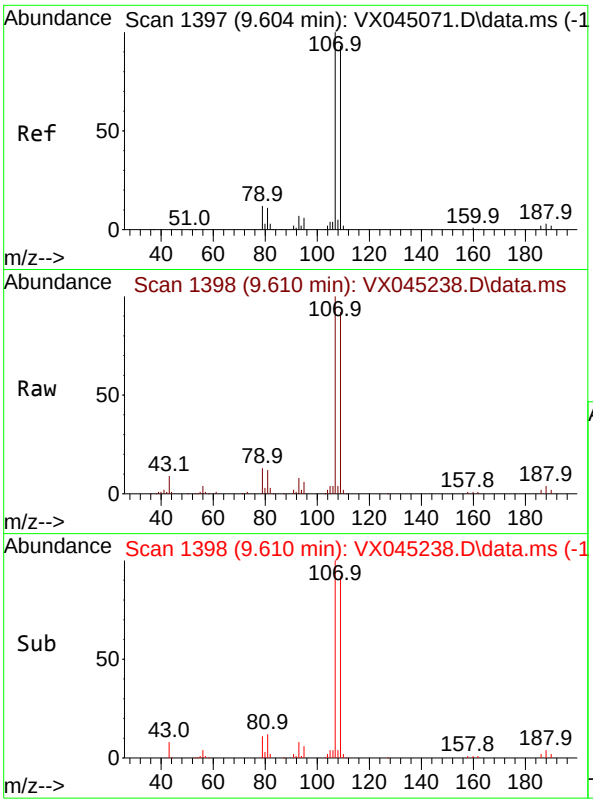


#60
Dibromochloromethane
Concen: 53.657 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:129 Resp: 70119

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.5	115.5



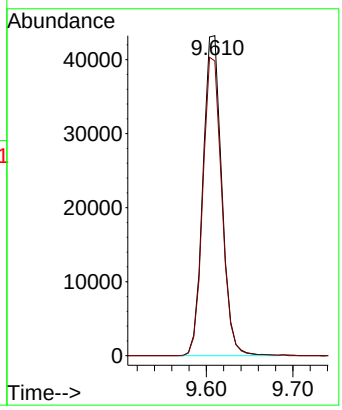


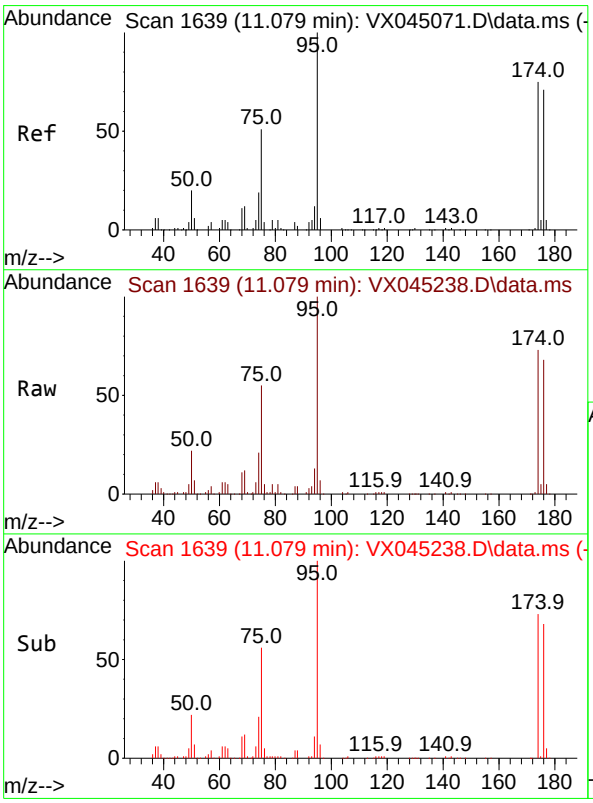
#61
1,2-Dibromoethane
Concen: 52.253 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 65196

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1

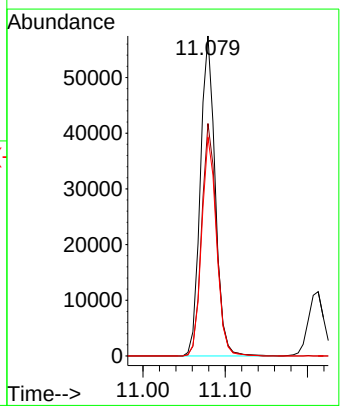


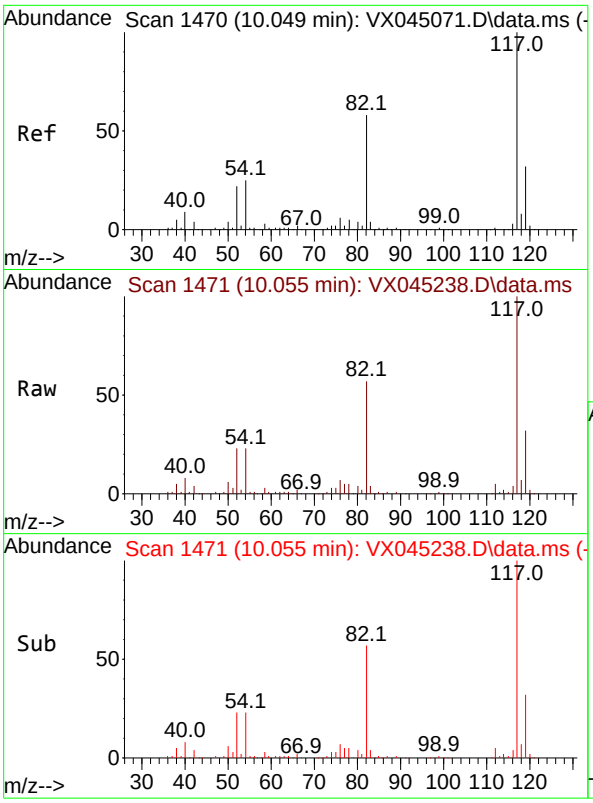


#62
4-Bromofluorobenzene
Concen: 50.383 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 95 Resp: 72321

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	68.3	0.0	141.4



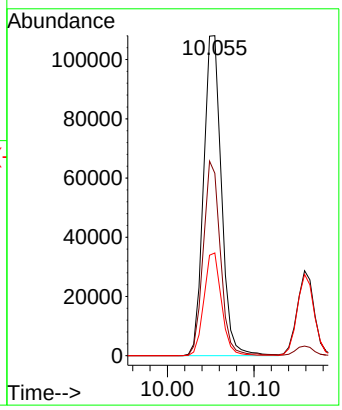


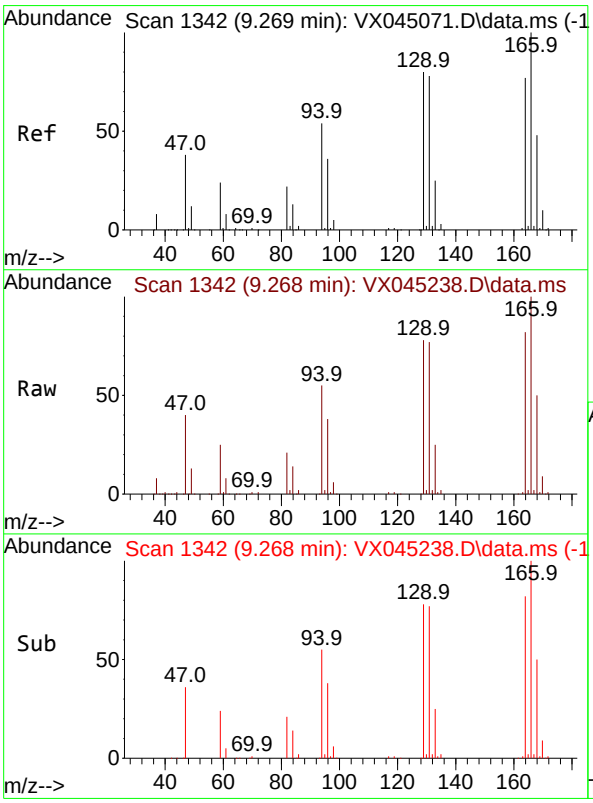
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 155011

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.3	69.5
119	32.1	25.7	38.5

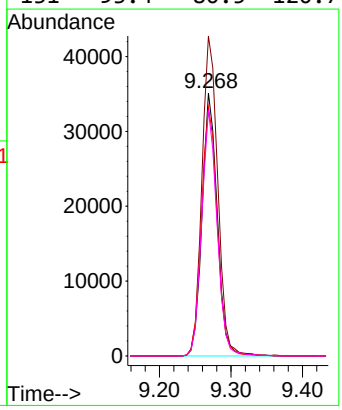


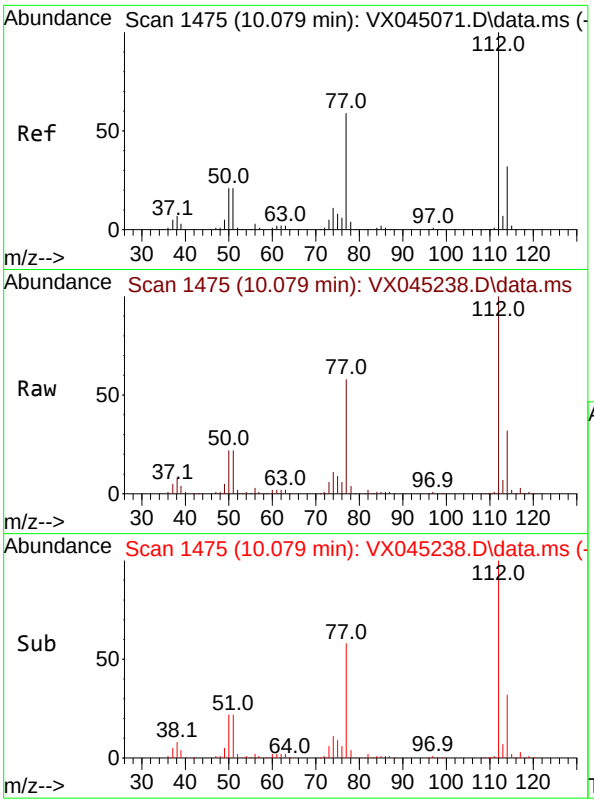


#64
Tetrachloroethene
Concen: 52.291 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:164 Resp: 51914

Ion	Ratio	Lower	Upper
164	100		
166	121.7	103.6	155.4
129	94.7	82.7	124.1
131	93.4	80.5	120.7



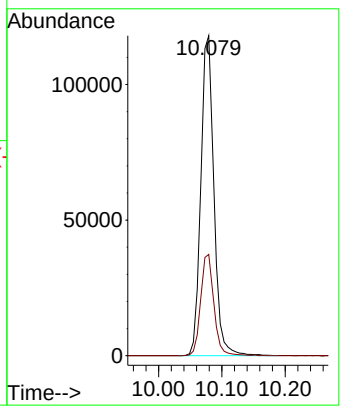


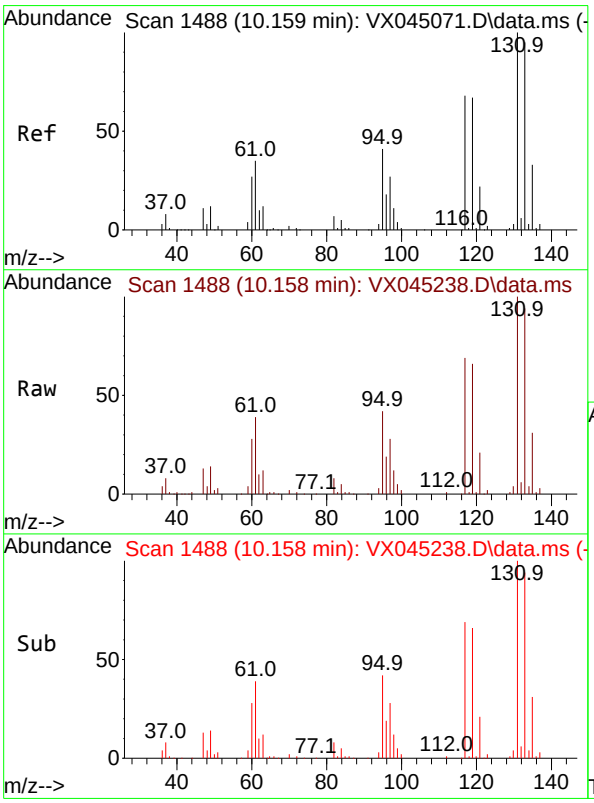
#65
Chlorobenzene
Concen: 51.896 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 170219

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0

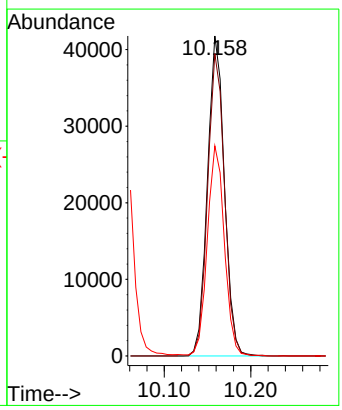


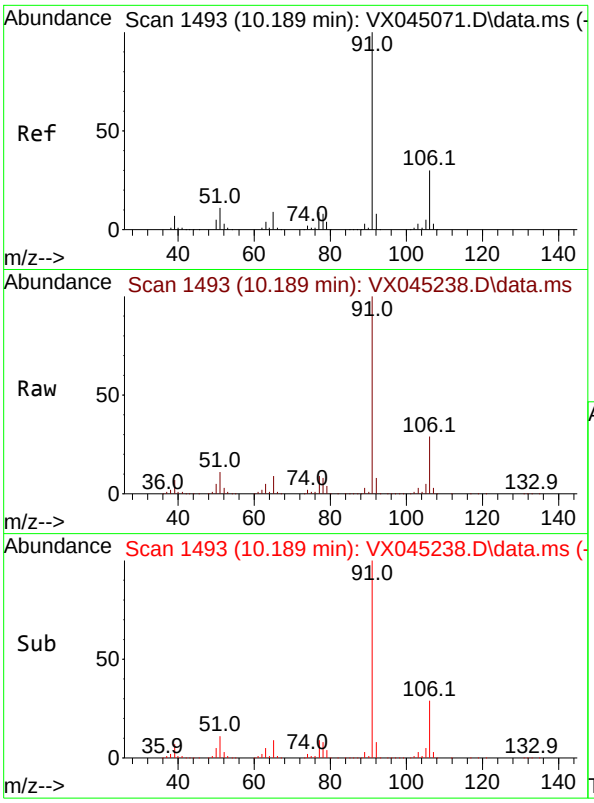


#66
1,1,1,2-Tetrachloroethane
Concen: 52.065 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:131 Resp: 56871

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.6	145.9
119	66.1	33.9	101.7



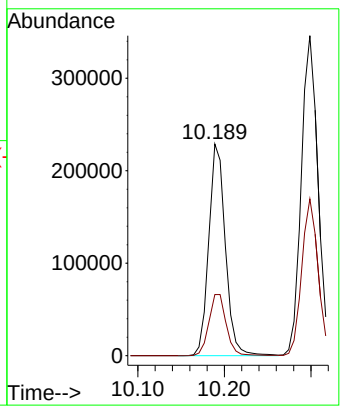


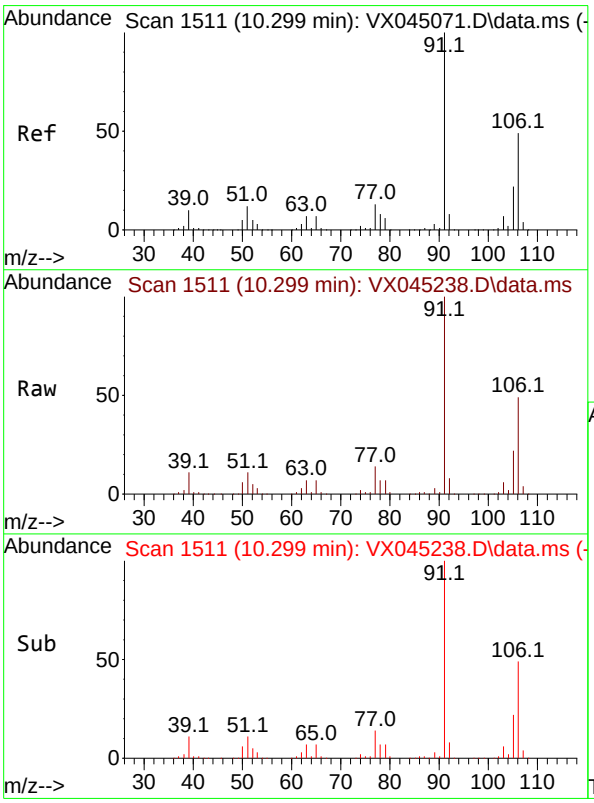
#67
Ethyl Benzene
Concen: 53.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 305213

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.9	35.9

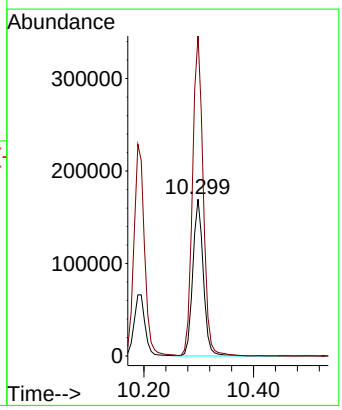


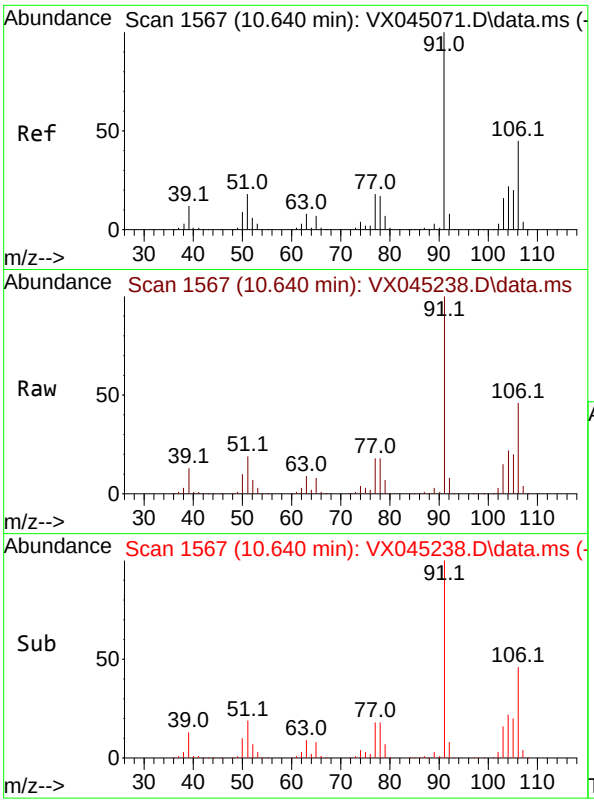


#68
m/p-Xylenes
Concen: 108.086 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:106 Resp: 226136

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.4	248.0



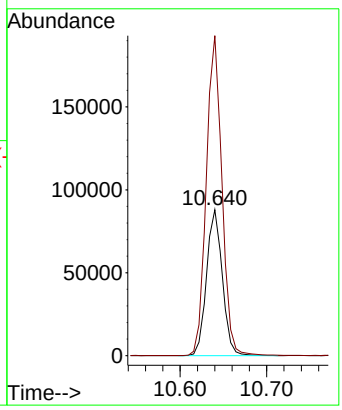


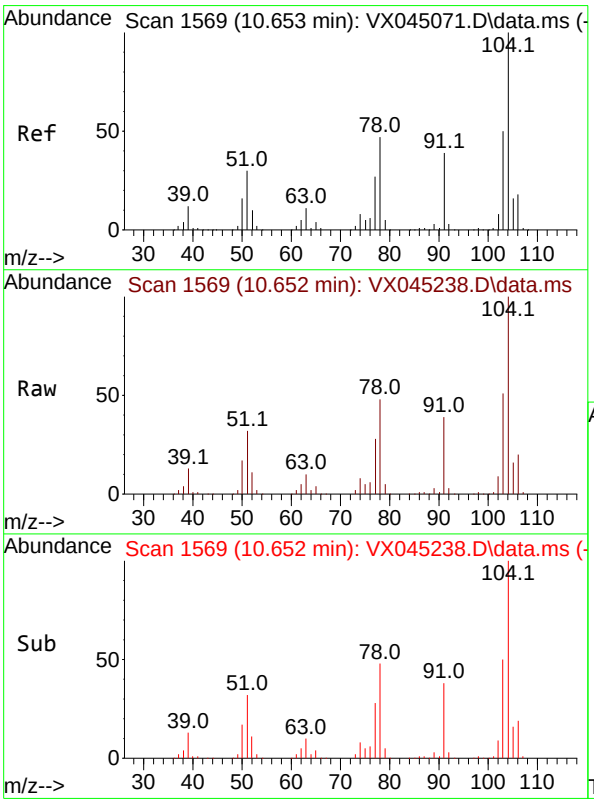
#69
o-Xylene
Concen: 52.821 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 111458

Ion	Ratio	Lower	Upper
106	100		
91	217.3	109.9	329.6

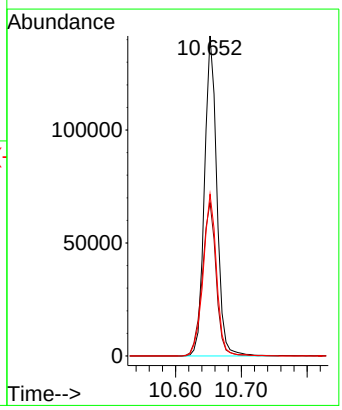


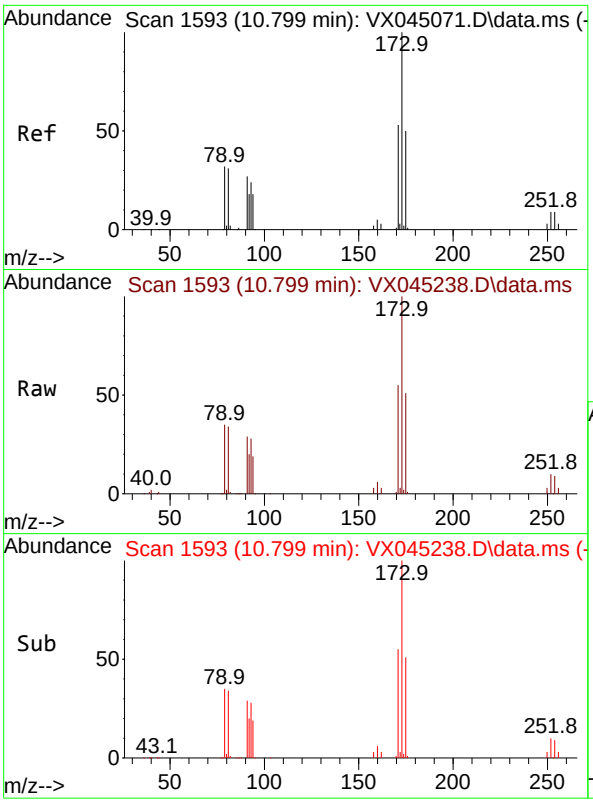


#70
Styrene
Concen: 54.206 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:104 Resp: 185074

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.8	43.8	65.8



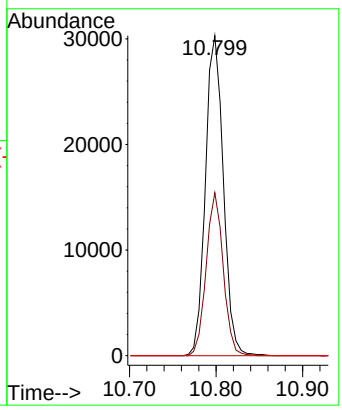


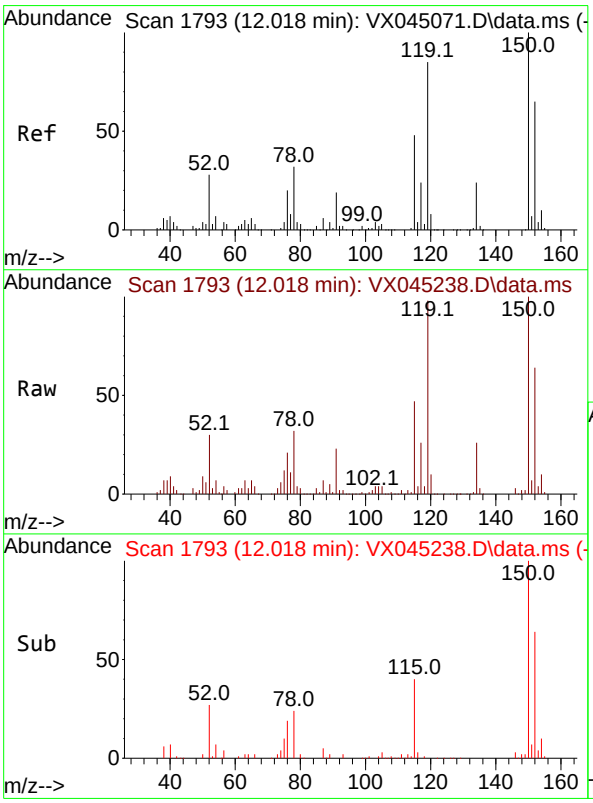
#71
Bromoform
Concen: 52.915 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43586

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0

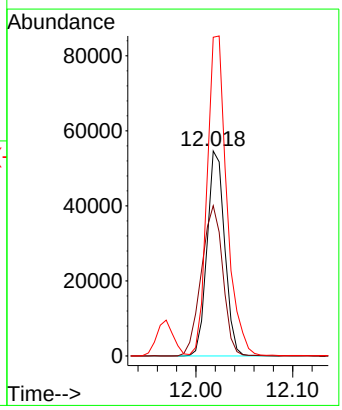


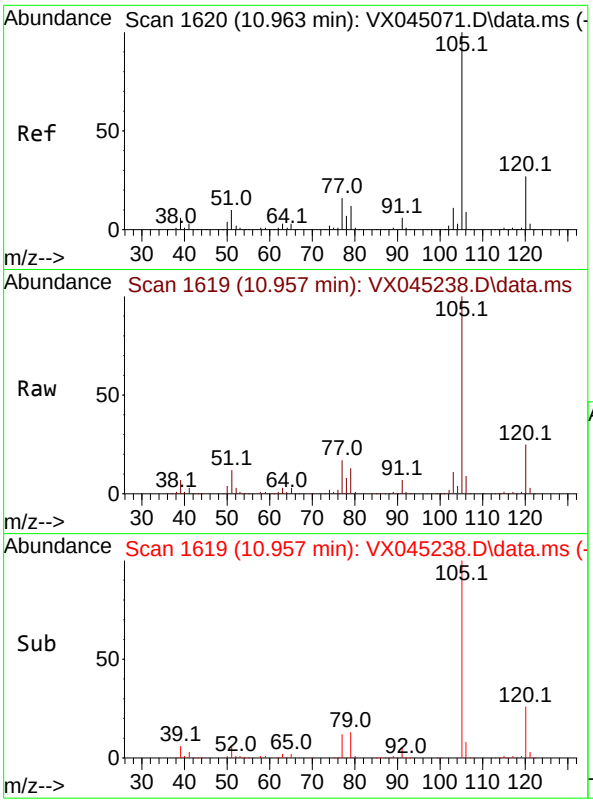


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:152 Resp: 69105

Ion	Ratio	Lower	Upper
152	100		
115	89.5	44.2	132.6
150	174.2	0.0	349.0



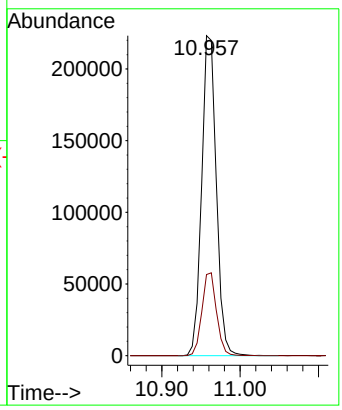


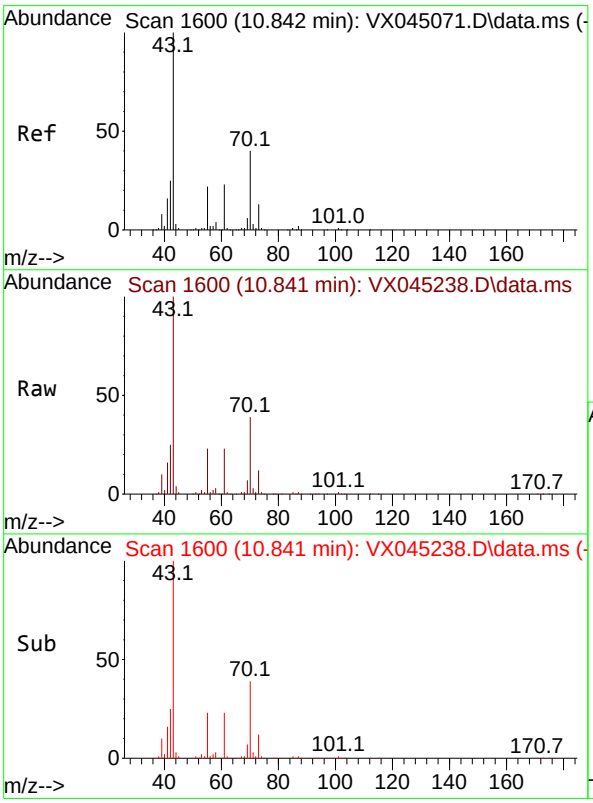
#73
Isopropylbenzene
Concen: 53.664 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 289454

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

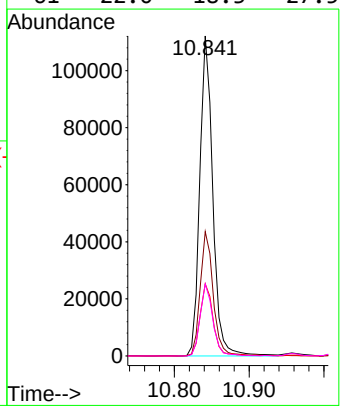


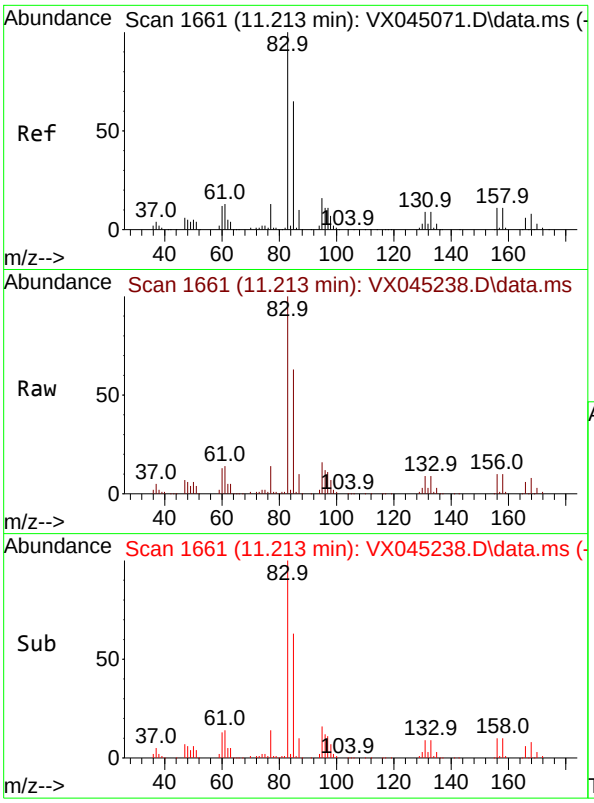


#74
N-amyl acetate
Concen: 53.623 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 43 Resp: 135717

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.8	47.6
55	23.0	18.3	27.5
61	22.0	18.3	27.5



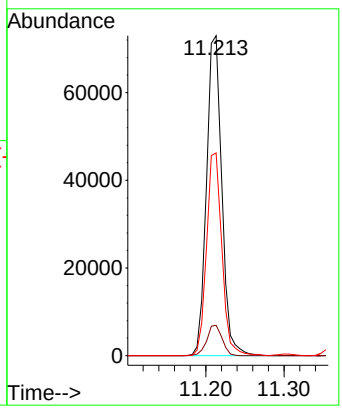


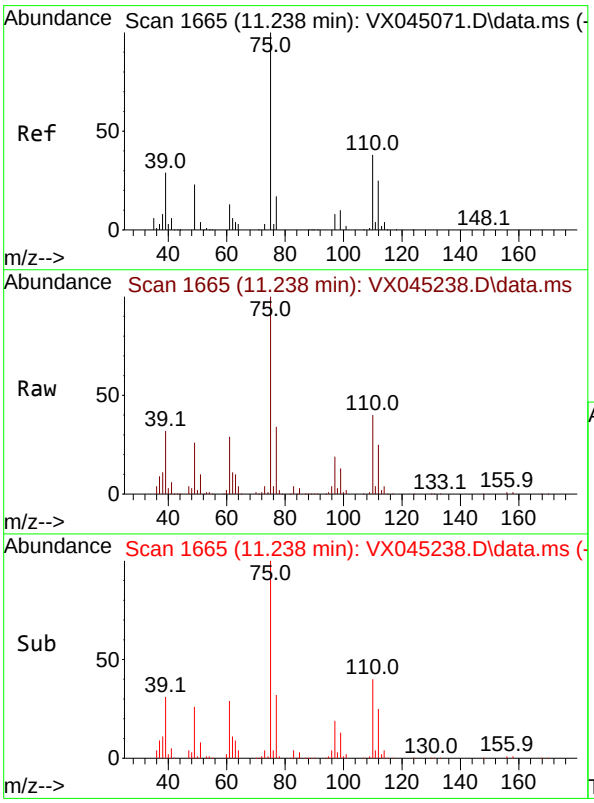
#75
1,1,2,2-Tetrachloroethane
Concen: 49.915 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 98799

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	63.4	31.7	95.1

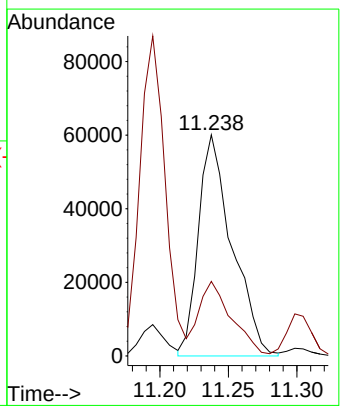


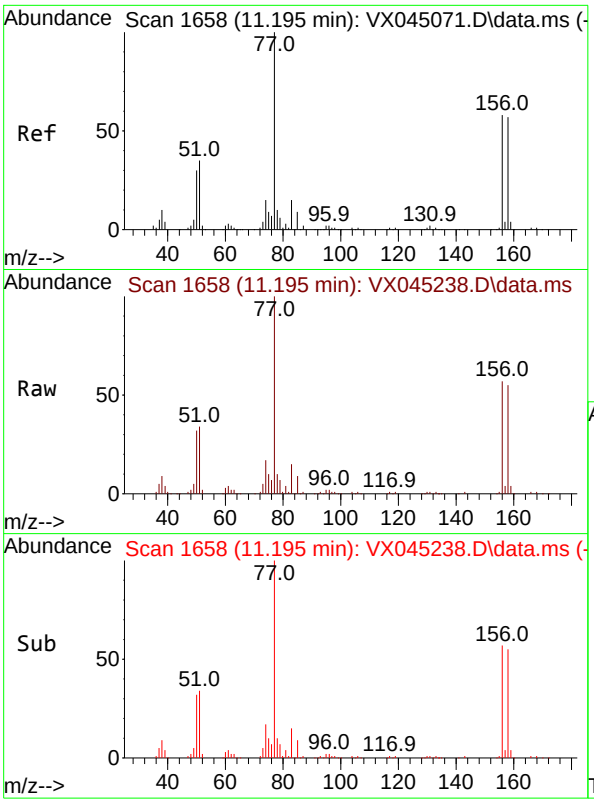


#76
1,2,3-Trichloropropane
Concen: 63.953 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 102863

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



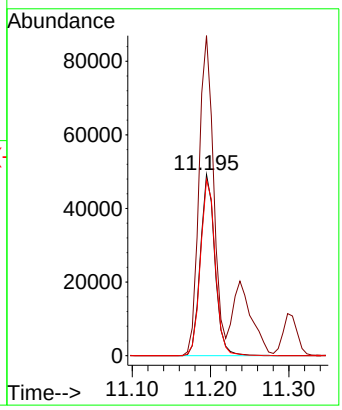


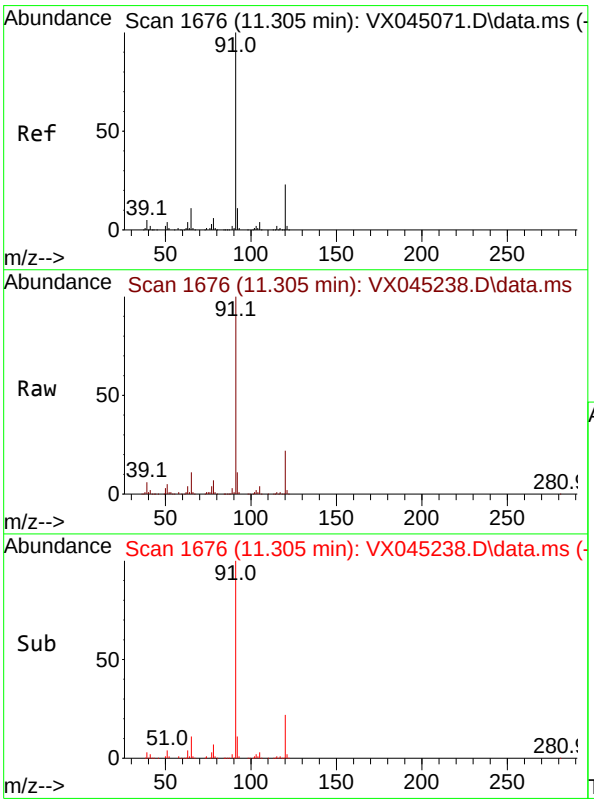
#77
Bromobenzene
Concen: 49.867 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 63463

Ion	Ratio	Lower	Upper
156	100		
77	177.6	85.8	257.4
158	98.9	48.4	145.2

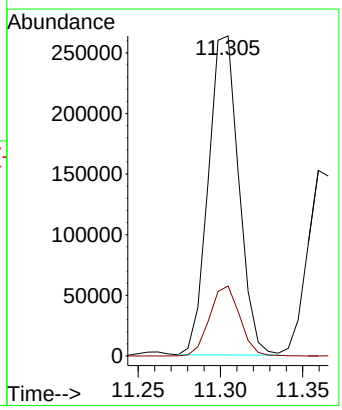


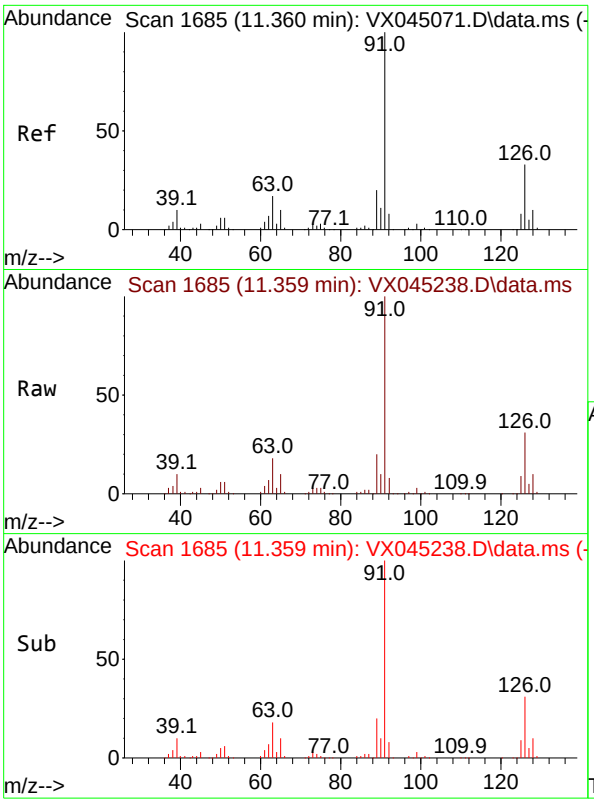


#78
n-propylbenzene
Concen: 55.677 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 91 Resp: 339244

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



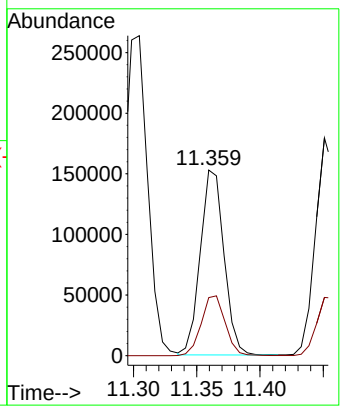


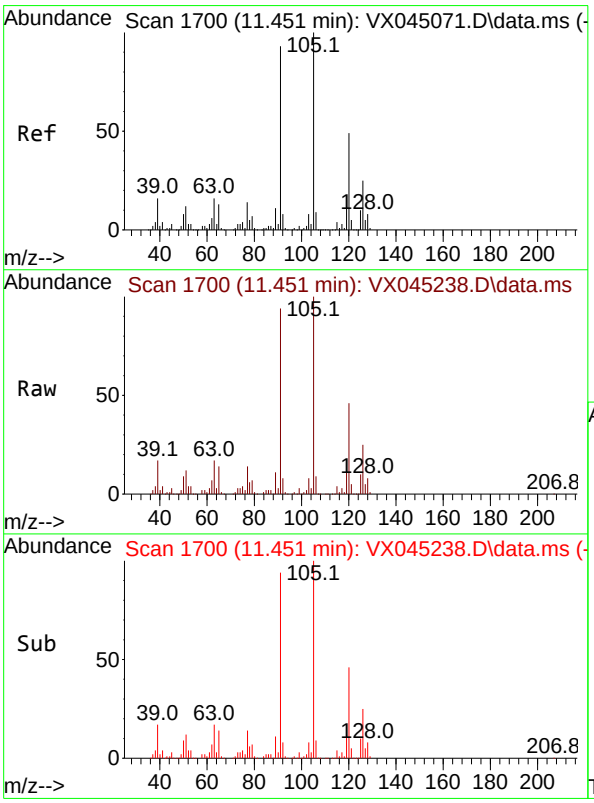
#79
2-Chlorotoluene
Concen: 51.445 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 199628

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

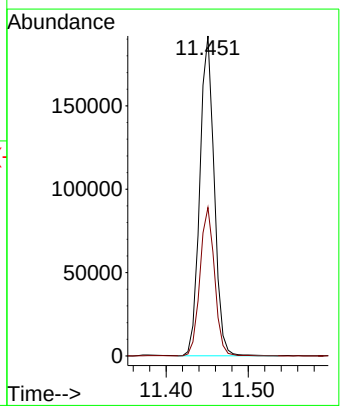


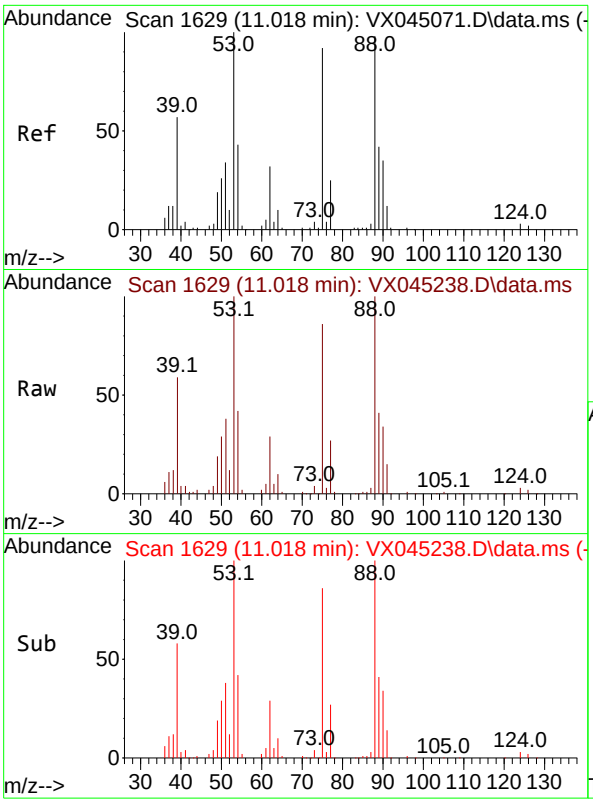


#80
1,3,5-Trimethylbenzene
Concen: 53.635 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:105 Resp: 233921

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



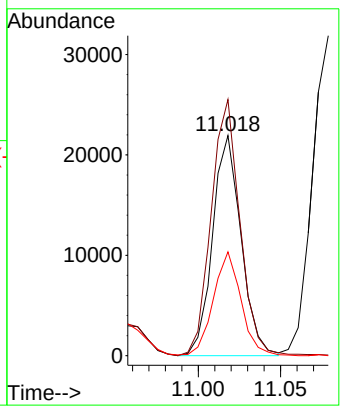


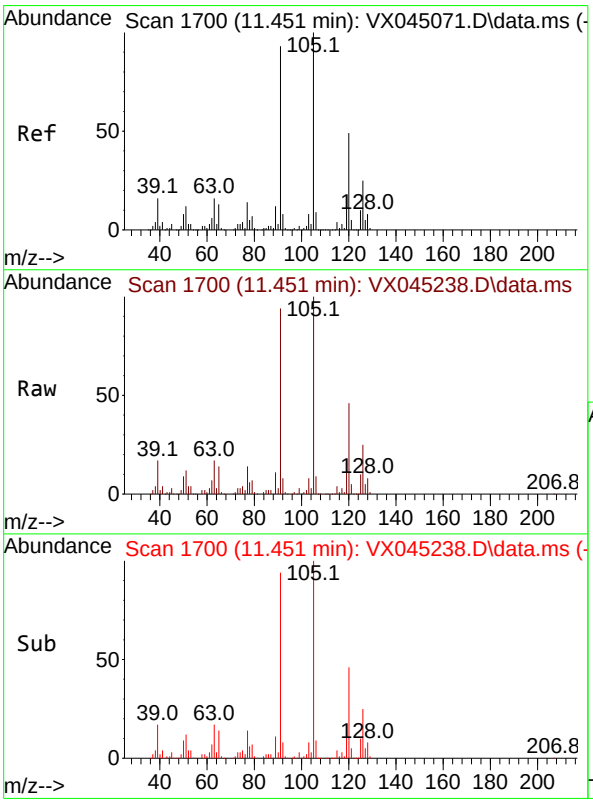
#81
trans-1,4-Dichloro-2-butene
Concen: 56.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 26430

Ion	Ratio	Lower	Upper
75	100		
53	117.6	88.5	132.7
89	45.8	36.2	54.4

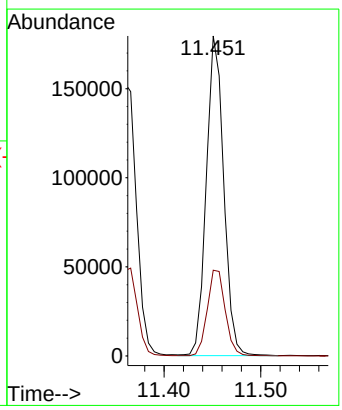


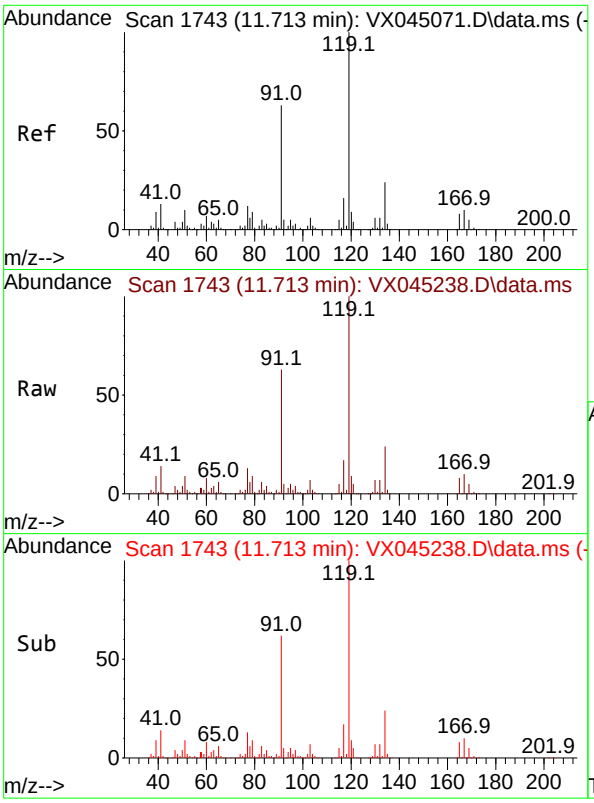


#82
4-Chlorotoluene
Concen: 53.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 91 Resp: 224700

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



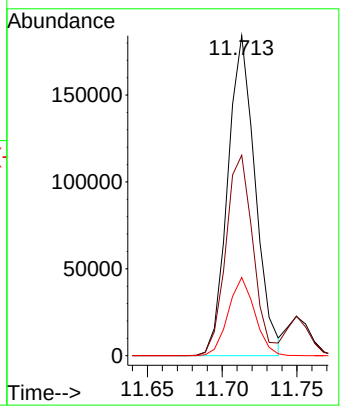


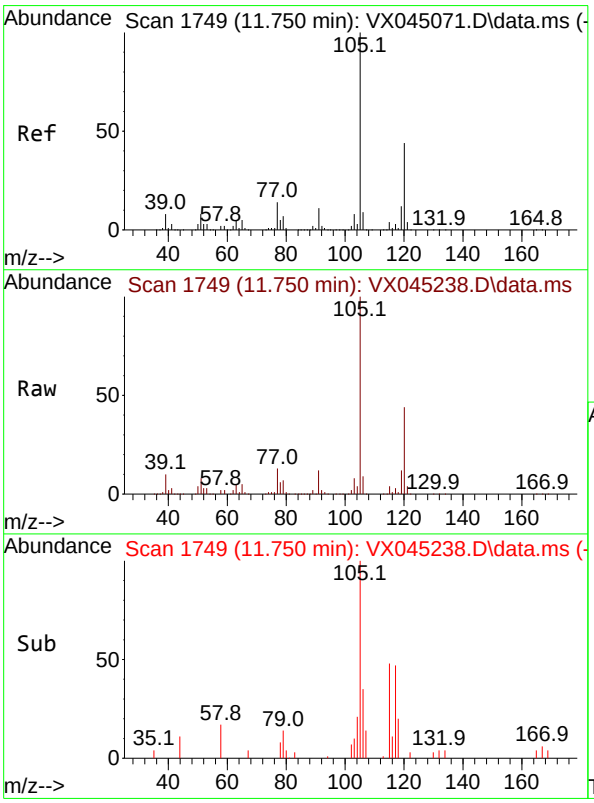
#83
tert-Butylbenzene
Concen: 52.418 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 234893

Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.7	92.1
134	23.7	11.7	35.0

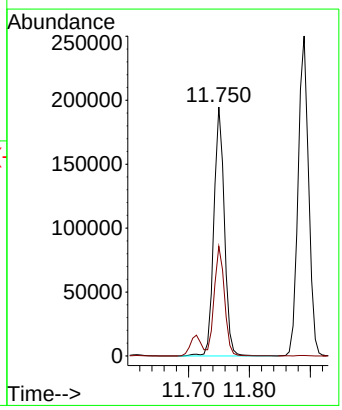


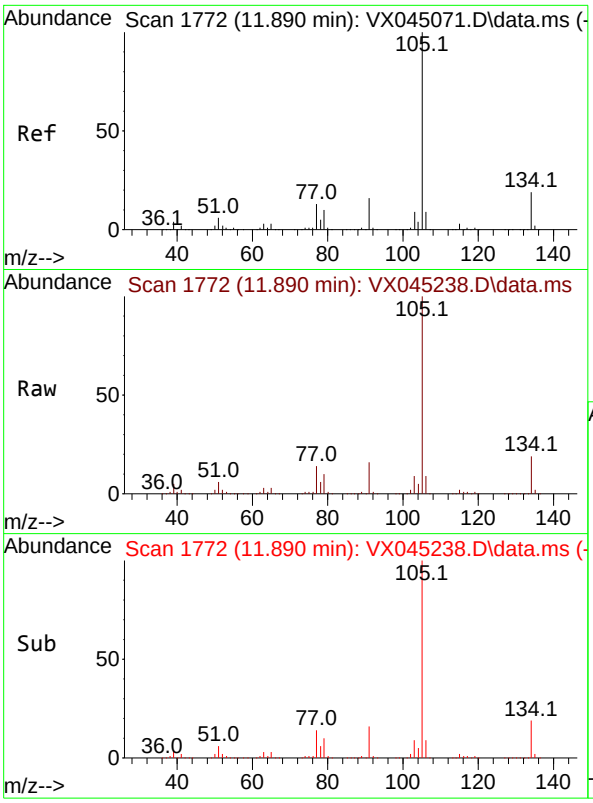


#84
1,2,4-Trimethylbenzene
Concen: 53.059 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:105 Resp: 232840

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



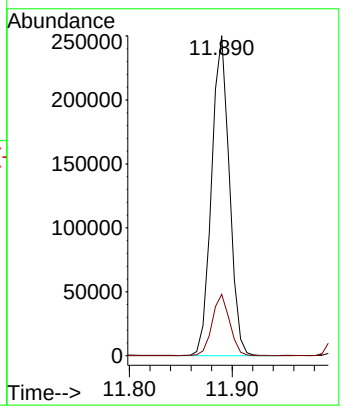


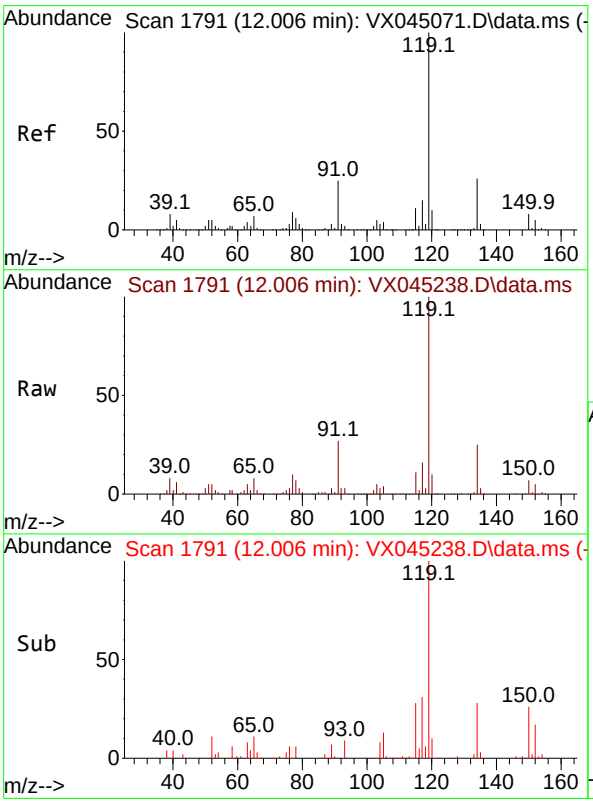
#85
sec-Butylbenzene
Concen: 55.757 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 299296

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.4

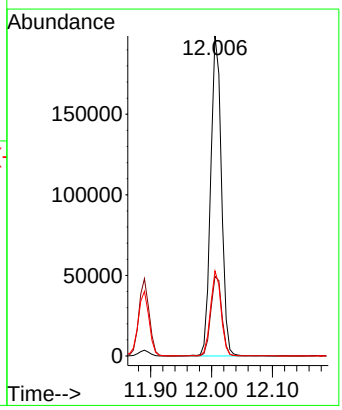


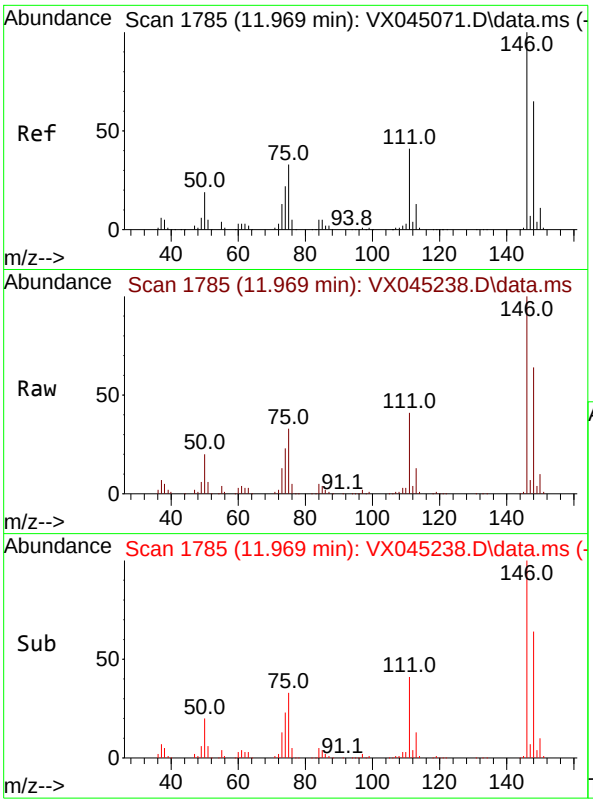


#86
p-Isopropyltoluene
Concen: 55.906 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:119 Resp: 242520

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	26.0	12.7	38.0



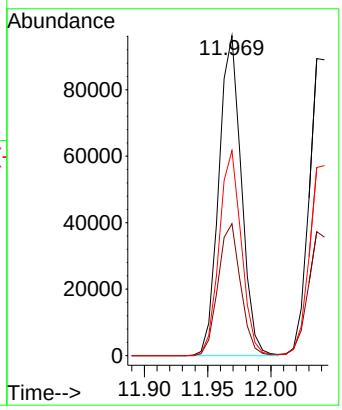


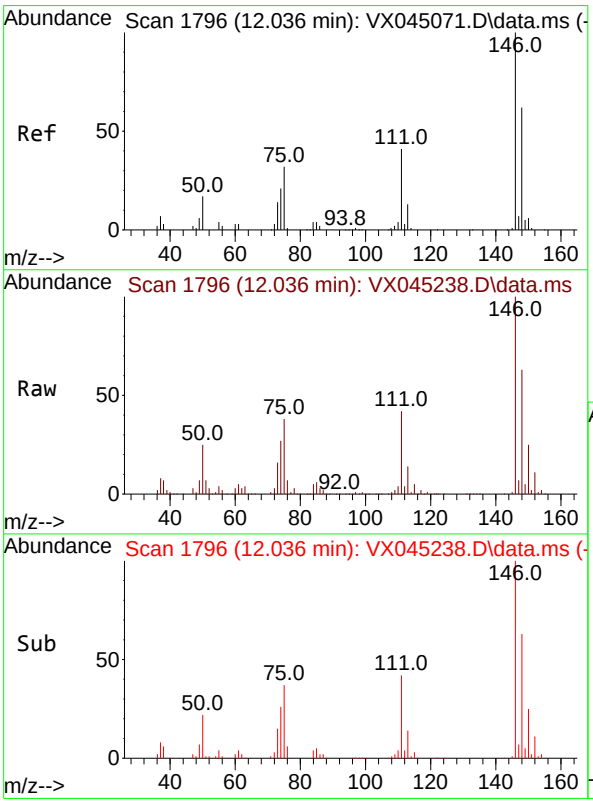
#87
1,3-Dichlorobenzene
Concen: 52.316 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 118773

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	63.3	31.9	95.7

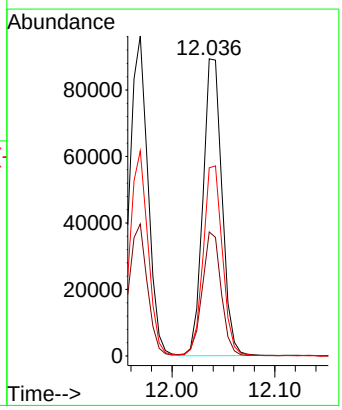


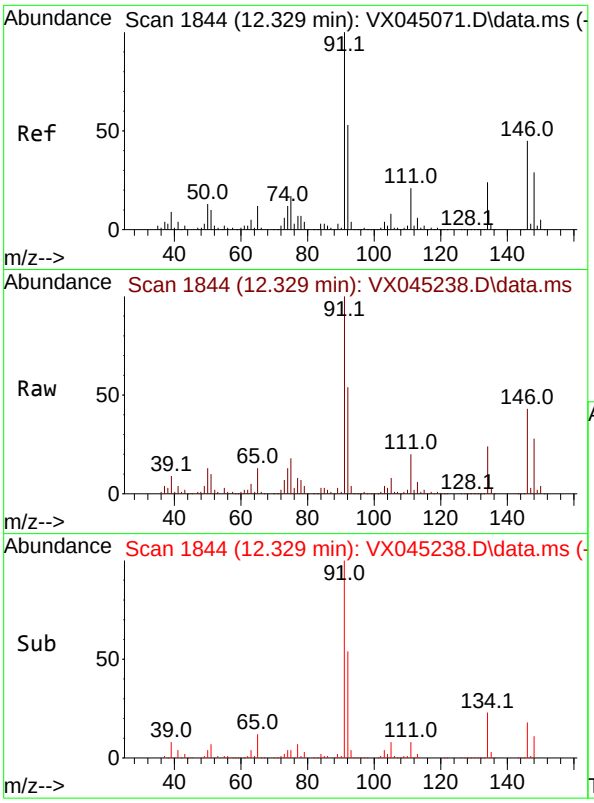


#88
1,4-Dichlorobenzene
Concen: 50.124 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:146 Resp: 115129

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	65.2	31.9	95.9



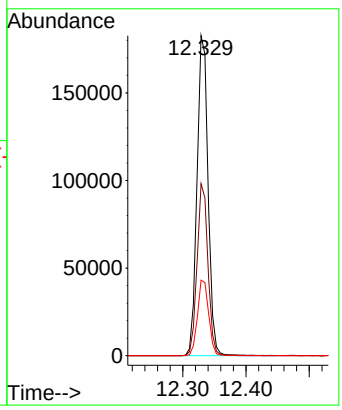


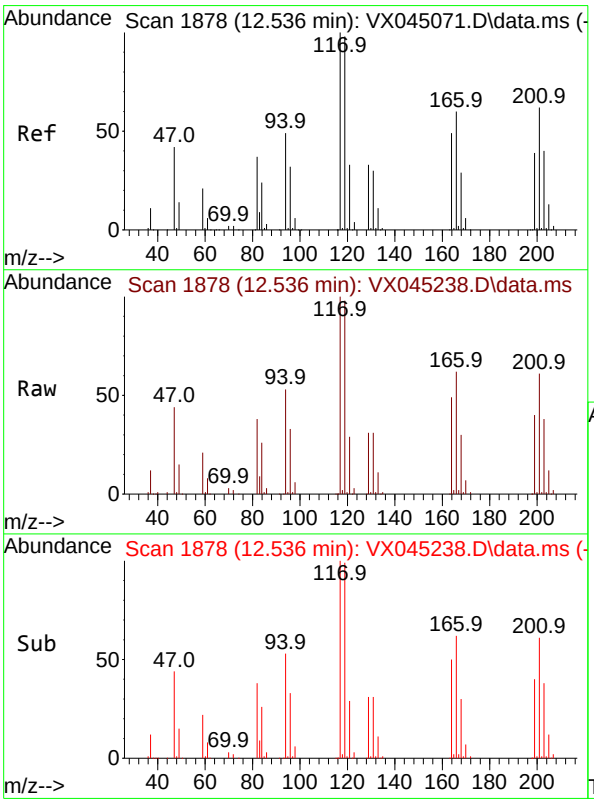
#89
n-Butylbenzene
Concen: 59.564 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 222544

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	23.9	12.2	36.6

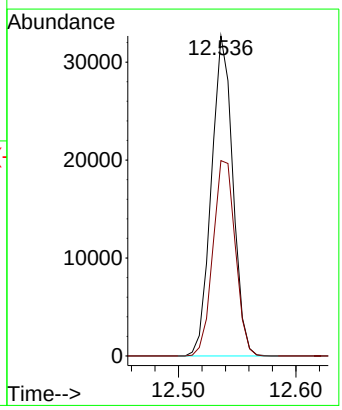


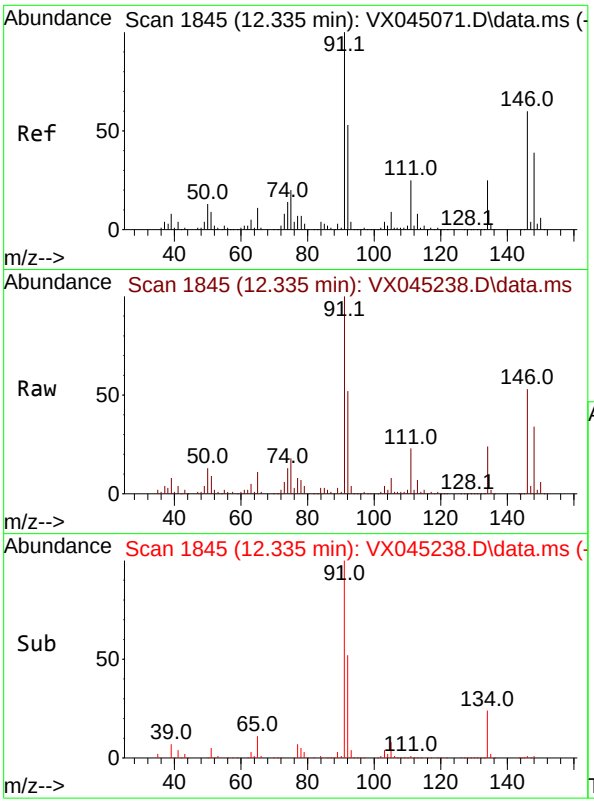


#90
Hexachloroethane
Concen: 52.836 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:117 Resp: 41457

Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.9	95.9



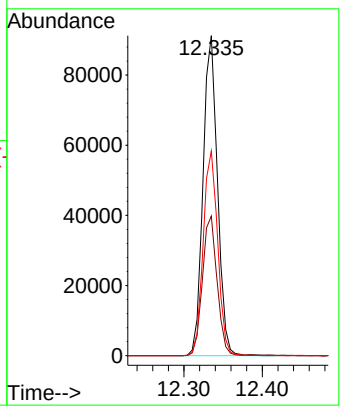


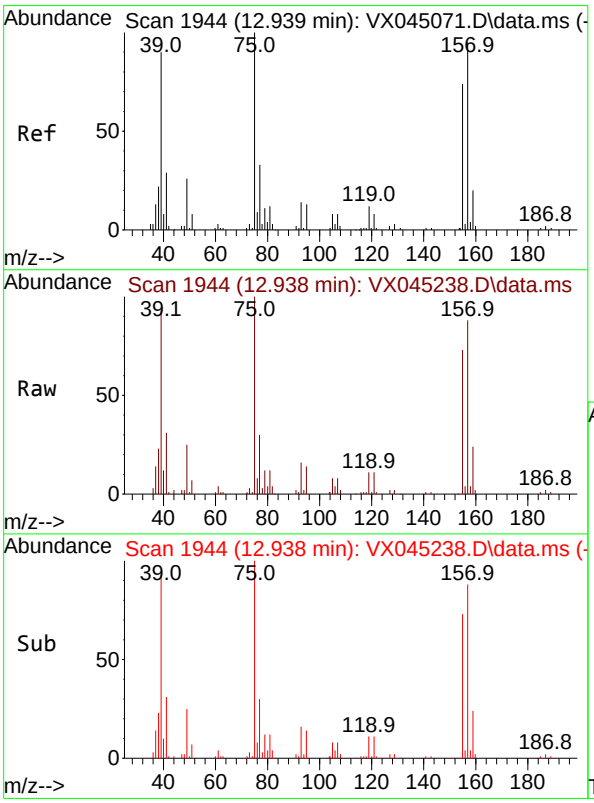
#91
1,2-Dichlorobenzene
Concen: 51.320 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 116879

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	65.0
148	64.3	31.9	95.9

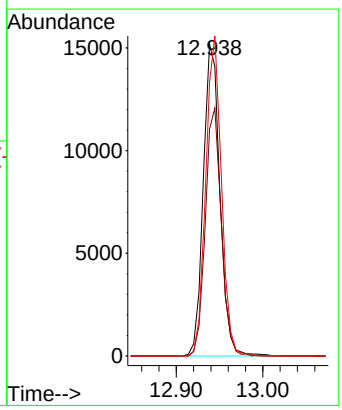


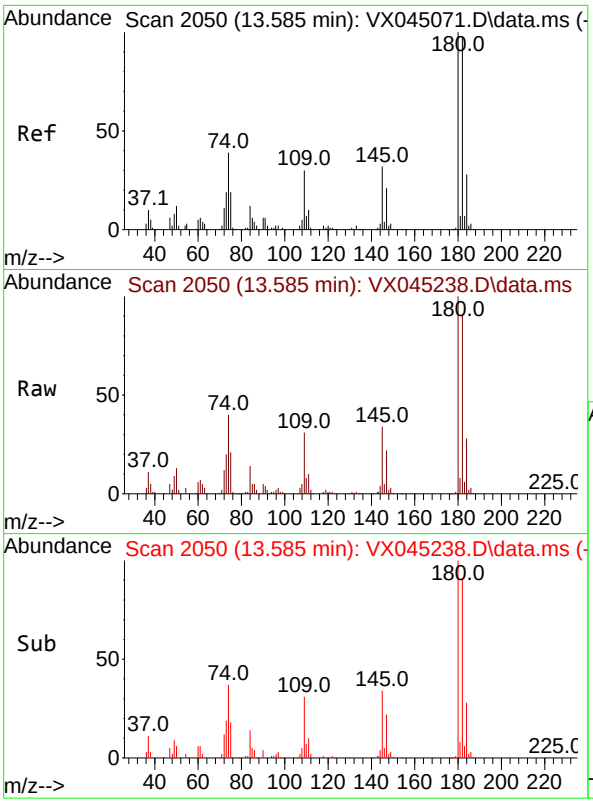


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.348 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion: 75 Resp: 20186

Ion	Ratio	Lower	Upper
75	100		
155	76.7	39.6	118.7
157	97.1	51.1	153.4



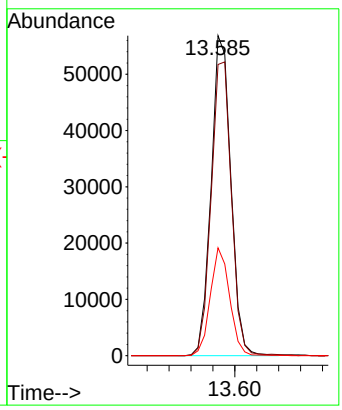


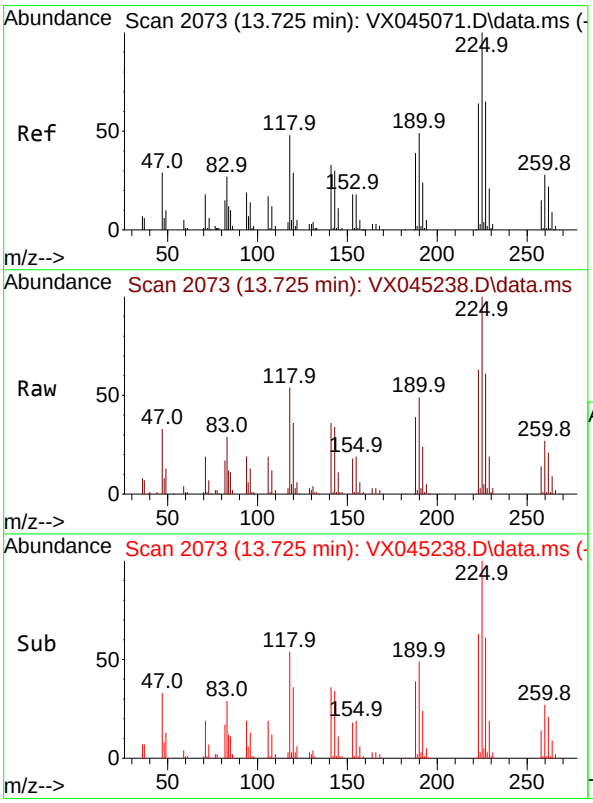
#93
1,2,4-Trichlorobenzene
Concen: 54.915 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 71214

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	33.0	16.3	48.9

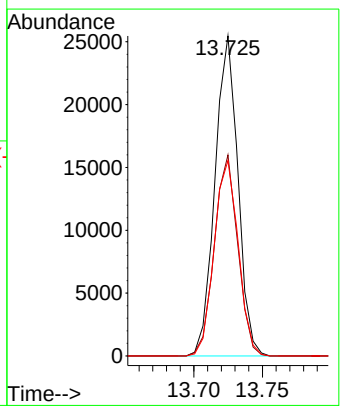


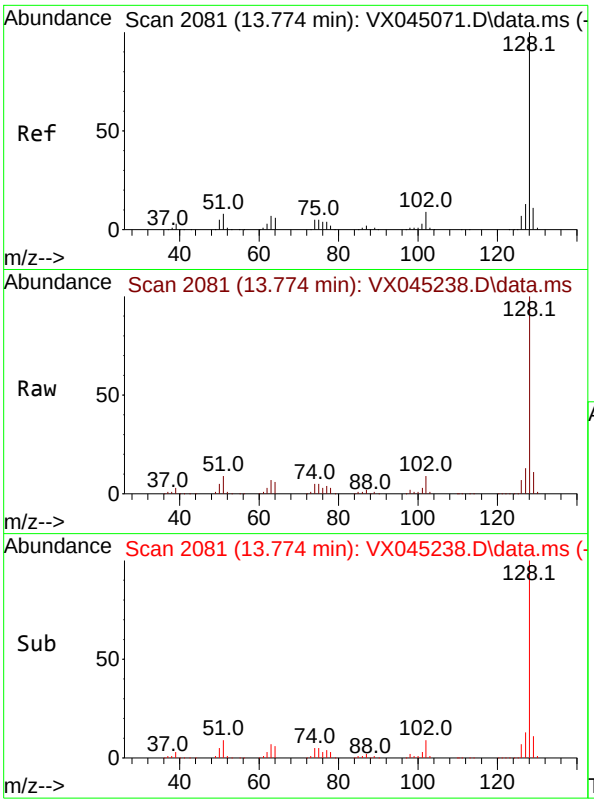


#94
Hexachlorobutadiene
Concen: 55.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:225 Resp: 29653

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.0	31.4	94.0



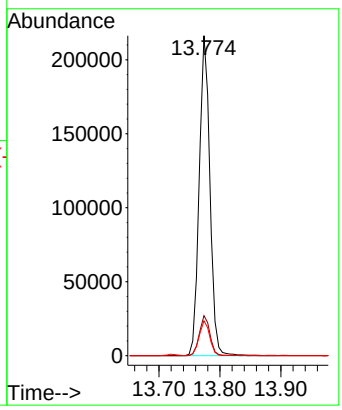


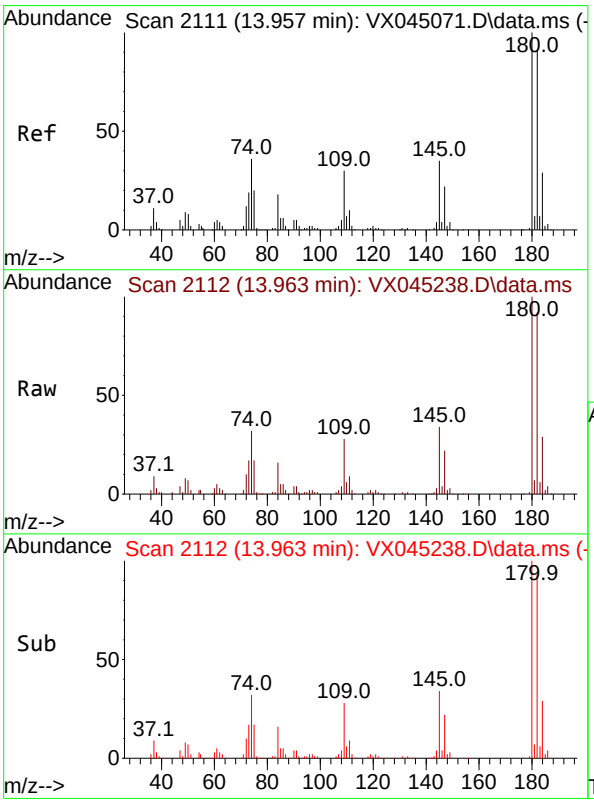
#95
Naphthalene
Concen: 53.049 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 264311

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.8	8.7	13.1

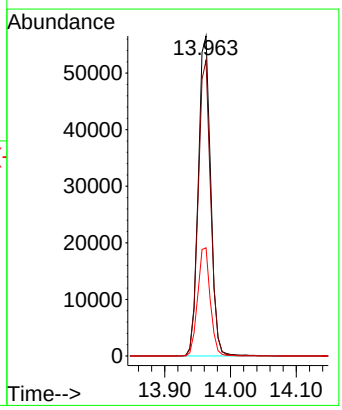




#96
1,2,3-Trichlorobenzene
Concen: 54.089 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045238.D
Acq: 12 Mar 2025 10:58

Tgt Ion:180 Resp: 73996

Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.5	142.6
145	34.3	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	98902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78615	49.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.940%			
35) Dibromofluoromethane	5.379	113	59526	49.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	8.647	98	214144	49.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	11.079	95	73892	51.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	22558	18.120	ug/l	98
3) Chloromethane	1.307	50	25788	16.926	ug/l	99
4) Vinyl Chloride	1.374	62	25137	16.632	ug/l	92
5) Bromomethane	1.593	94	10983	18.485	ug/l	100
6) Chloroethane	1.666	64	14242	20.429	ug/l	94
7) Trichlorofluoromethane	1.874	101	36585	18.285	ug/l	99
8) Diethyl Ether	2.136	74	13153	16.807	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	23030	20.035	ug/l	97
10) Methyl Iodide	2.441	142	27447	19.107	ug/l	98
11) Tert butyl alcohol	2.977	59	22117	74.222	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22320	18.366	ug/l	91
13) Acrolein	2.233	56	23690	68.774	ug/l	98
14) Allyl chloride	2.654	41	42489	19.641	ug/l	99
15) Acrylonitrile	3.062	53	78136	97.837	ug/l	99
16) Acetone	2.386	43	67625	92.649	ug/l	100
17) Carbon Disulfide	2.502	76	51337	15.860	ug/l	96
18) Methyl Acetate	2.703	43	39448	22.466	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	75455	18.506	ug/l	98
20) Methylene Chloride	2.782	84	26001	17.983	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	22429	18.681	ug/l	98
22) Diisopropyl ether	3.763	45	84834	19.282	ug/l	93
23) Vinyl Acetate	3.721	43	348243	94.851	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46680	18.932	ug/l	99
25) 2-Butanone	4.562	43	108378	98.643	ug/l	96
26) 2,2-Dichloropropane	4.471	77	30120	26.043	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	28232	19.048	ug/l	95
28) Bromochloromethane	4.897	49	23474	19.974	ug/l	99
29) Tetrahydrofuran	5.007	42	68625	93.010	ug/l	99
30) Chloroform	5.093	83	47027	19.195	ug/l	99
31) Cyclohexane	5.464	56	40022	18.699	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	37701	19.053	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29816	18.110	ug/l	99
37) Ethyl Acetate	4.721	43	40509	19.095	ug/l	98
38) Carbon Tetrachloride	5.666	117	31995	19.142	ug/l #	92
39) Methylcyclohexane	7.379	83	38421	19.476	ug/l	98
40) Benzene	6.031	78	99047	19.052	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22260	19.406	ug/l		96
42) 1,2-Dichloroethane	6.086	62	36830	19.673	ug/l		100
43) Isopropyl Acetate	6.342	43	60047	19.142	ug/l		99
44) Trichloroethene	7.123	130	22370	18.325	ug/l		94
45) 1,2-Dichloropropane	7.427	63	25113	18.788	ug/l		98
46) Dibromomethane	7.580	93	18062	19.118	ug/l		97
47) Bromodichloromethane	7.818	83	35299	19.048	ug/l		99
48) Methyl methacrylate	7.690	41	30413	19.325	ug/l		98
49) 1,4-Dioxane	7.665	88	11019	331.922	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	215751	102.431	ug/l		99
52) Toluene	8.714	92	58249	19.097	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	29973	19.347	ug/l		92
54) cis-1,3-Dichloropropene	8.366	75	34975	19.360	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	24358	19.398	ug/l		98
56) Ethyl methacrylate	9.116	69	36793	19.276	ug/l		96
57) 1,3-Dichloropropane	9.305	76	42461	19.539	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	89841	96.488	ug/l		99
59) 2-Hexanone	9.427	43	155057	101.603	ug/l		99
60) Dibromochloromethane	9.519	129	25313	19.279	ug/l		97
61) 1,2-Dibromoethane	9.610	107	24731	19.728	ug/l		97
64) Tetrachloroethene	9.269	164	19436	19.107	ug/l		96
65) Chlorobenzene	10.079	112	63463	18.884	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20865	18.643	ug/l		97
67) Ethyl Benzene	10.189	91	113155	19.324	ug/l		98
68) m/p-Xylenes	10.299	106	84300	39.325	ug/l		99
69) o-Xylene	10.640	106	41642	19.261	ug/l		99
70) Styrene	10.652	104	69744	19.937	ug/l		99
71) Bromoform	10.799	173	15762	18.676	ug/l	#	97
73) Isopropylbenzene	10.963	105	108190	19.957	ug/l		99
74) N-amyl acetate	10.841	43	48327	18.998	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	38206	19.205	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	38230	23.649	ug/l		87
77) Bromobenzene	11.195	156	24518	19.169	ug/l		97
78) n-propylbenzene	11.299	91	123926	20.237	ug/l		100
79) 2-Chlorotoluene	11.360	91	75797	19.435	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	88673	20.229	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8638	18.286	ug/l		87
82) 4-Chlorotoluene	11.451	91	85173	20.038	ug/l		99
83) tert-Butylbenzene	11.713	119	89721	19.921	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87493	19.837	ug/l		98
85) sec-Butylbenzene	11.890	105	113167	20.976	ug/l		98
86) p-Isopropyltoluene	12.006	119	88190	20.228	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	44480	19.494	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	43569	18.873	ug/l		98
89) n-Butylbenzene	12.329	91	74688	19.890	ug/l		99
90) Hexachloroethane	12.536	117	14797	18.764	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	44119	19.275	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7343	18.947	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	23769	18.237	ug/l		99
94) Hexachlorobutadiene	13.725	225	10292	19.261	ug/l		98
95) Naphthalene	13.774	128	92143	18.401	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25800	18.764	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

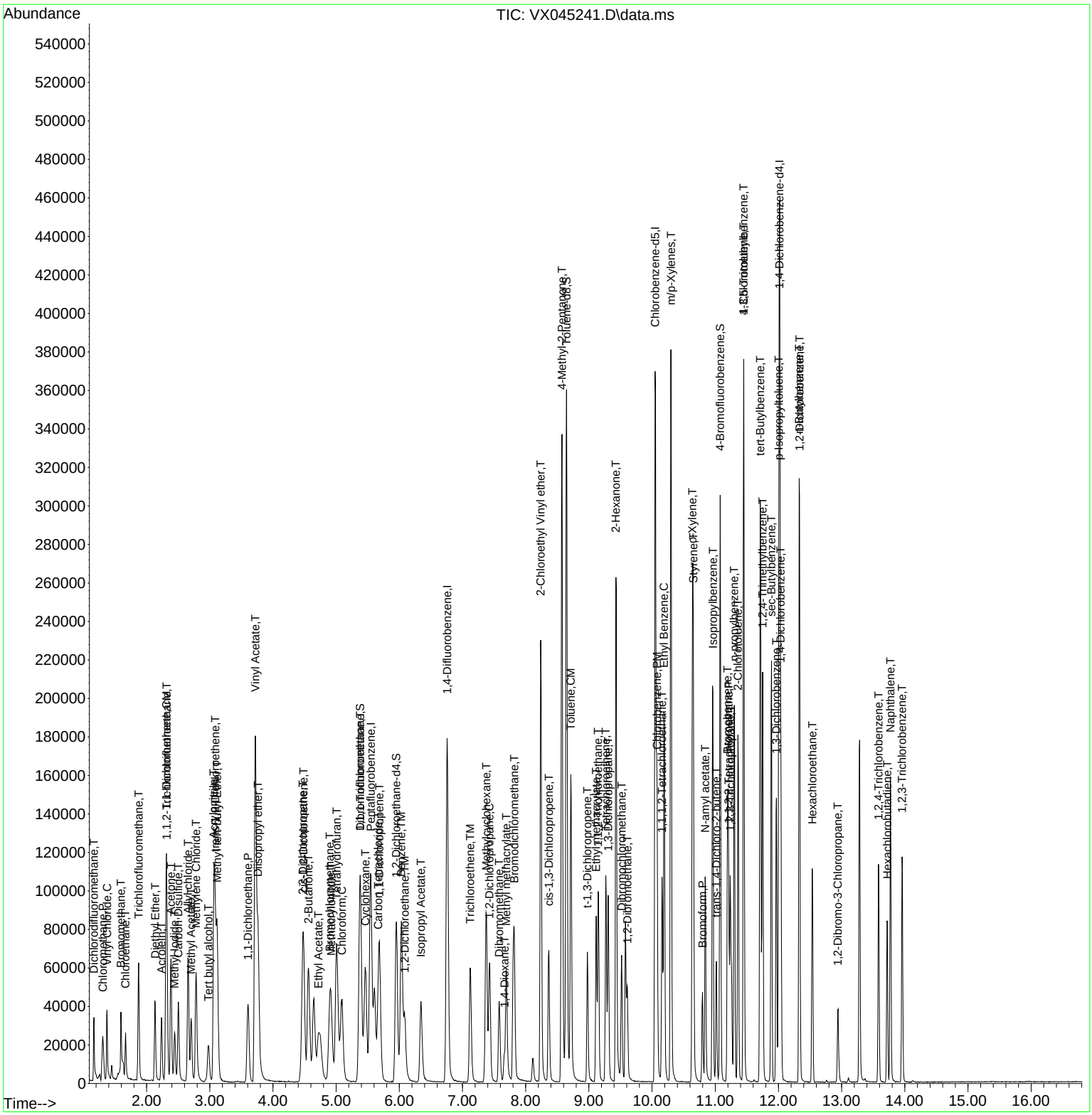
(#) = qualifier out of range (m) = manual integration (+) = signals summed

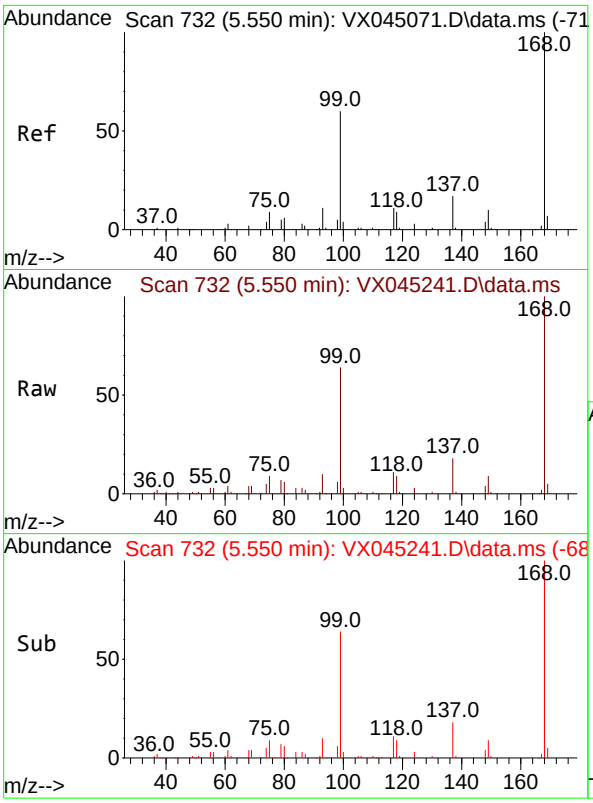
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045241.D
Acq On : 12 Mar 2025 12:12
Operator : JC/MD
Sample : VX0312WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Quant Time: Mar 13 01:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



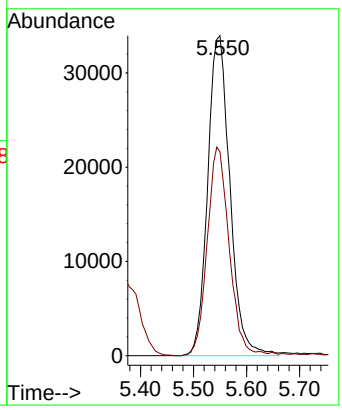


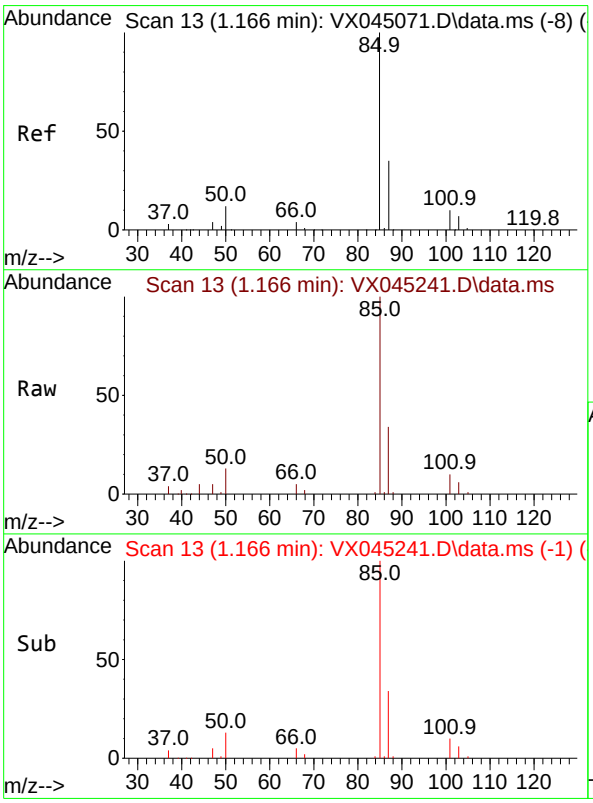
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:168 Resp: 98902

Ion	Ratio	Lower	Upper
168	100		
99	63.7	48.2	72.4

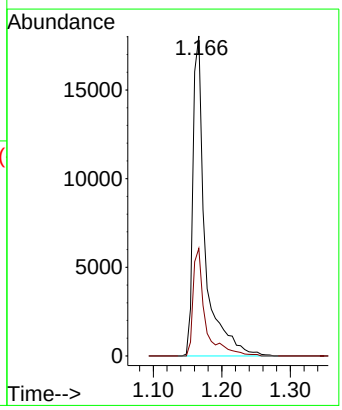


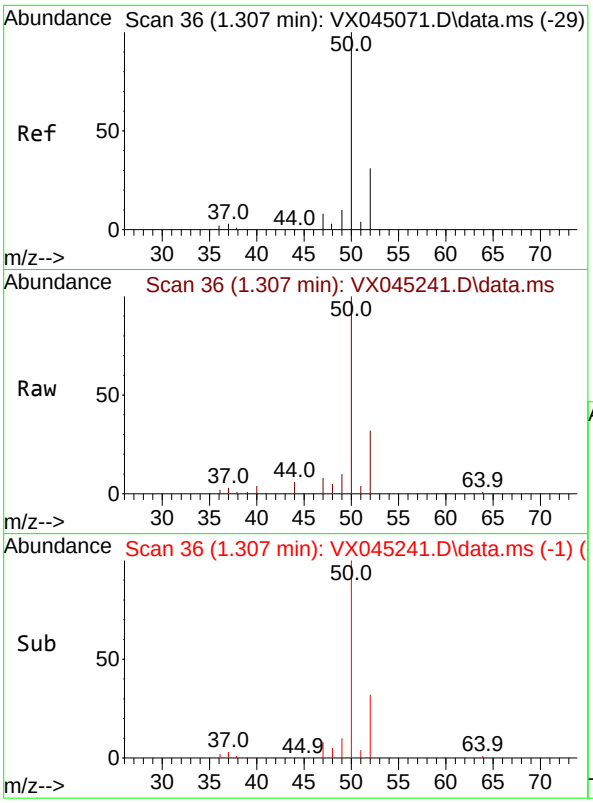


#2
Dichlorodifluoromethane
Concen: 18.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 85 Resp: 22558

Ion	Ratio	Lower	Upper
85	100		
87	33.6	17.4	52.3



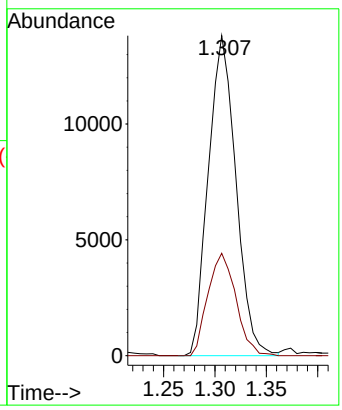


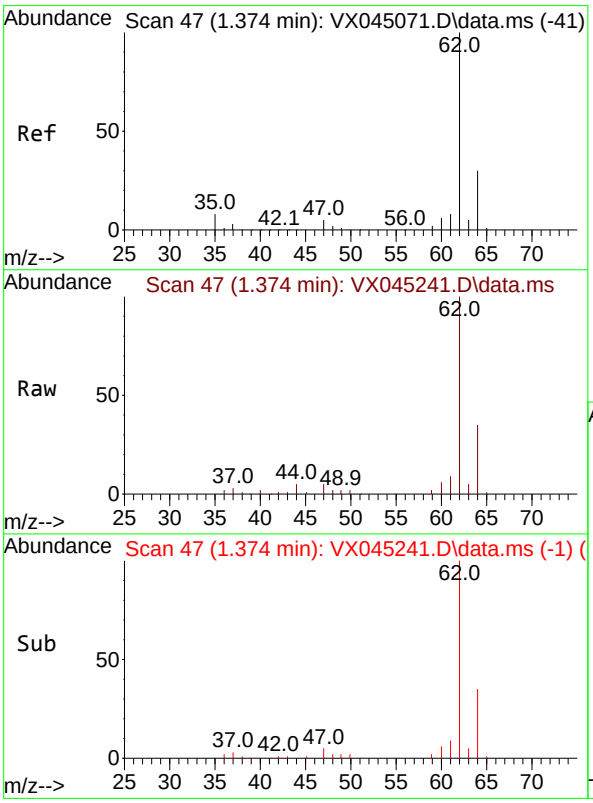
#3
Chloromethane
Concen: 16.926 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 50 Resp: 25788

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.4

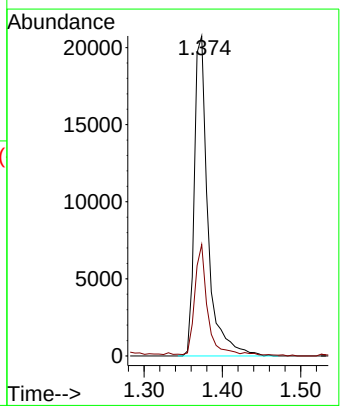


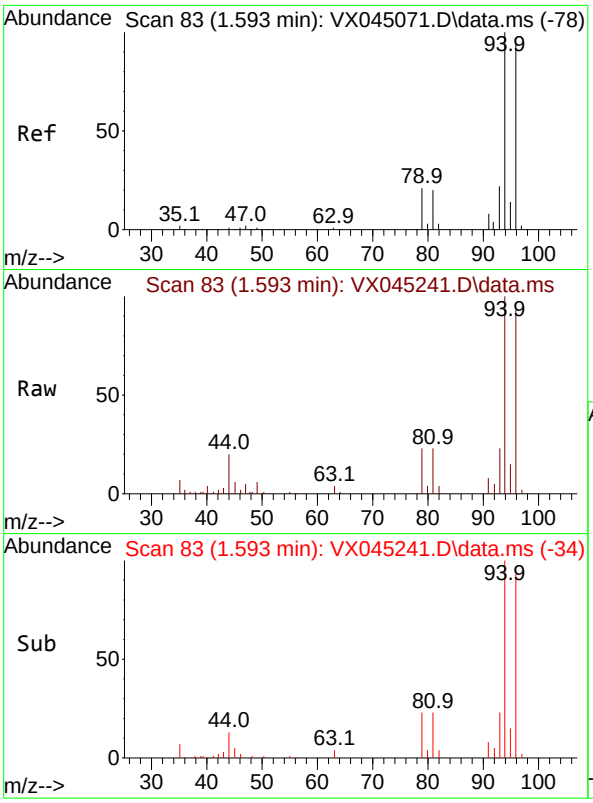


#4
Vinyl Chloride
Concen: 16.632 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 62 Resp: 25137

Ion	Ratio	Lower	Upper
62	100		
64	34.5	24.3	36.5



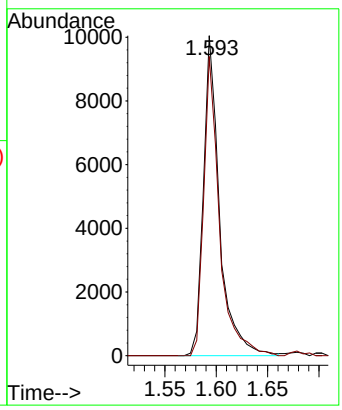


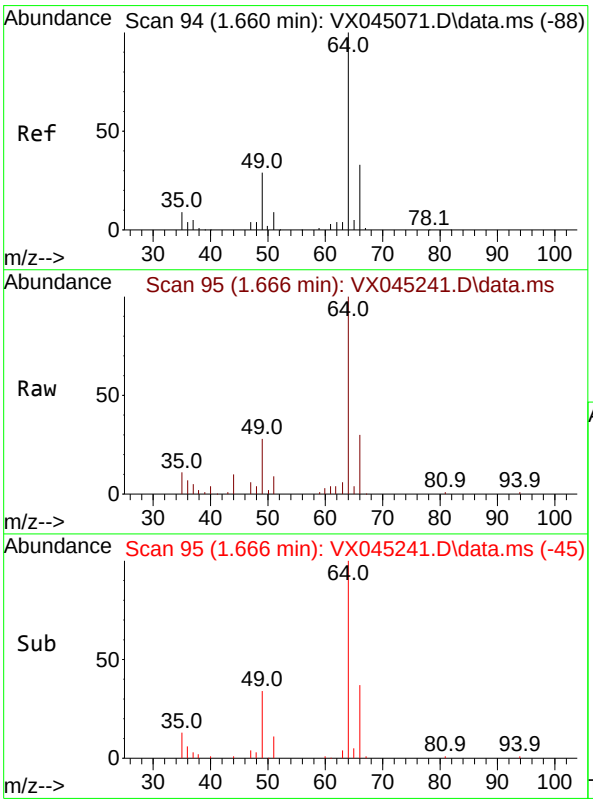
#5
Bromomethane
Concen: 18.485 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 94 Resp: 10983

Ion	Ratio	Lower	Upper
94	100		
96	93.5	75.0	112.4

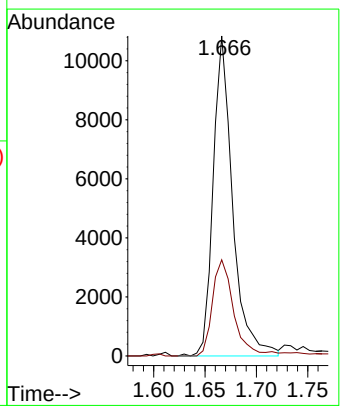


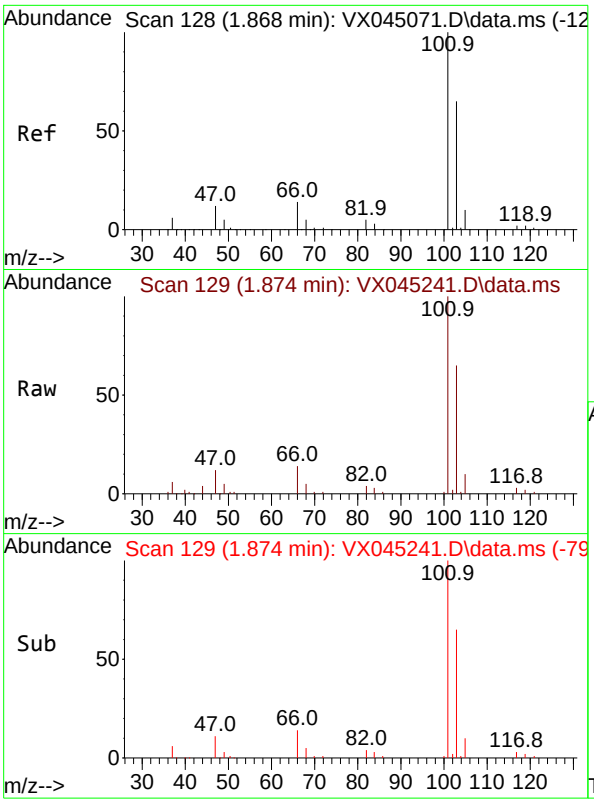


#6
Chloroethane
Concen: 20.429 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 64 Resp: 14242

Ion	Ratio	Lower	Upper
64	100		
66	30.0	26.7	40.1



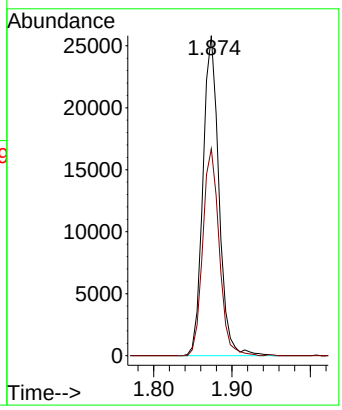


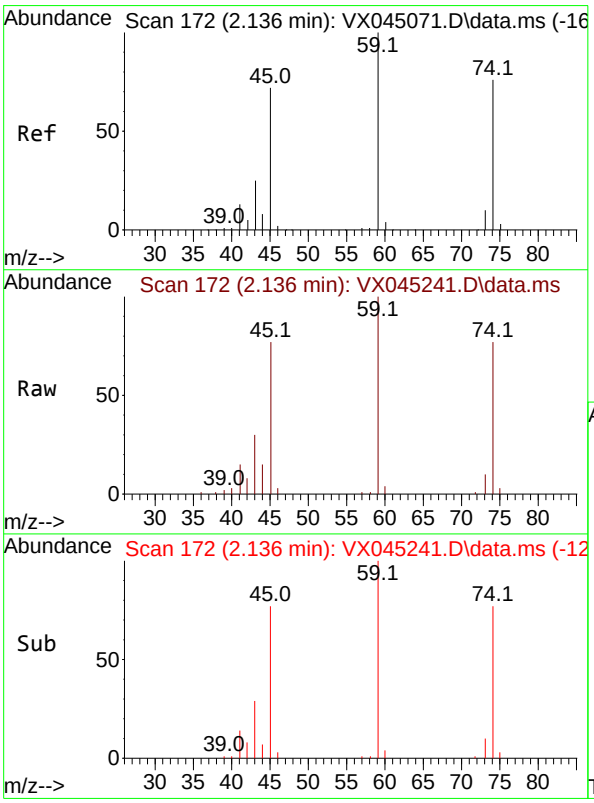
#7
Trichlorofluoromethane
Concen: 18.285 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:101 Resp: 36585

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

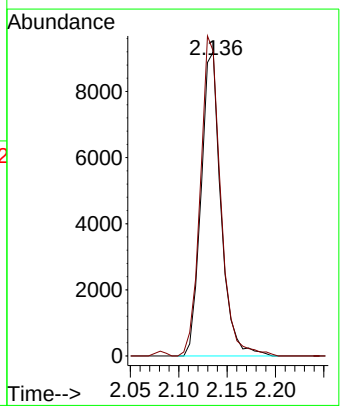


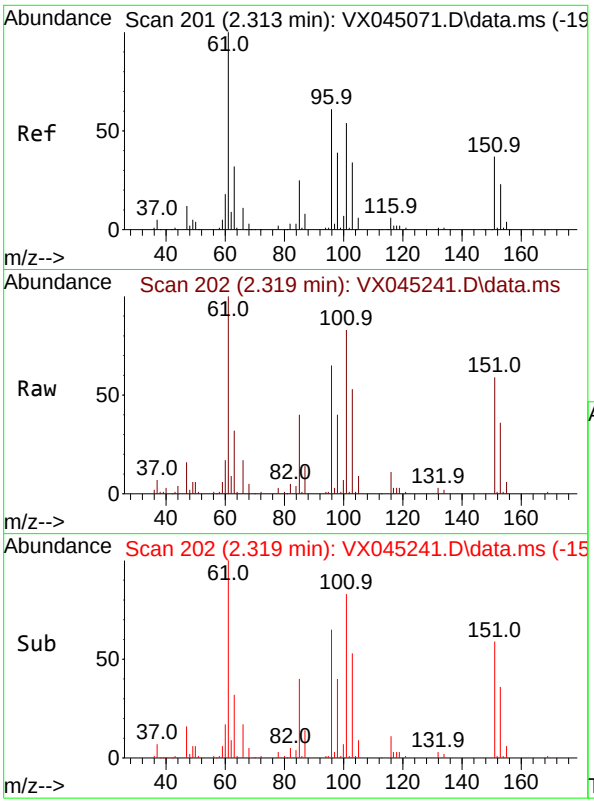


#8
Diethyl Ether
Concen: 16.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 74 Resp: 13153

Ion	Ratio	Lower	Upper
74	100		
45	107.7	51.5	154.5



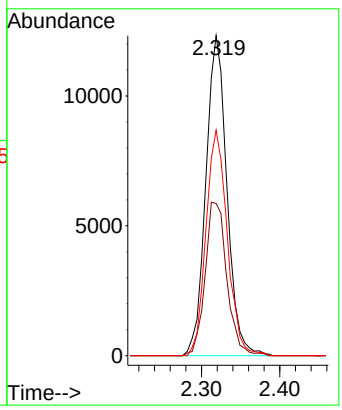


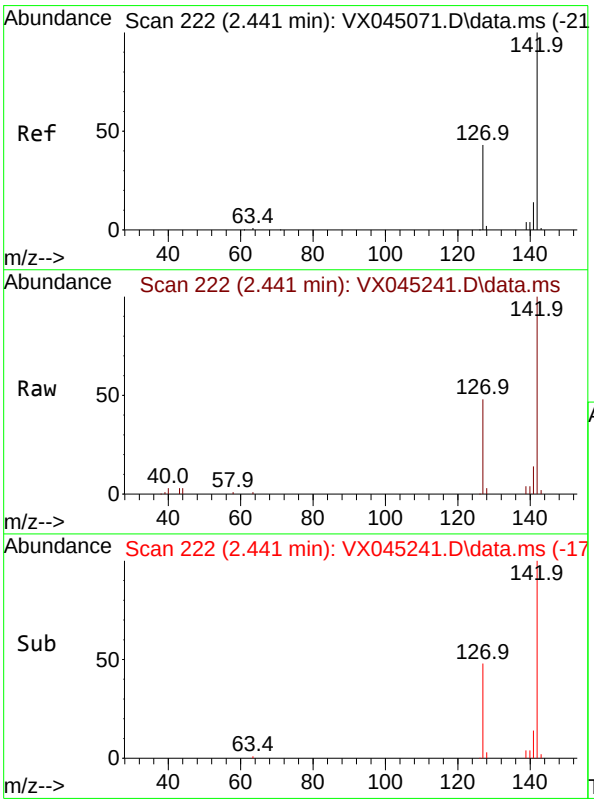
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.035 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:101 Resp: 23030

Ion	Ratio	Lower	Upper
101	100		
85	49.4	36.2	54.4
151	71.3	56.4	84.6

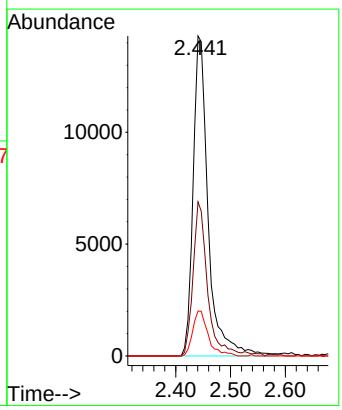


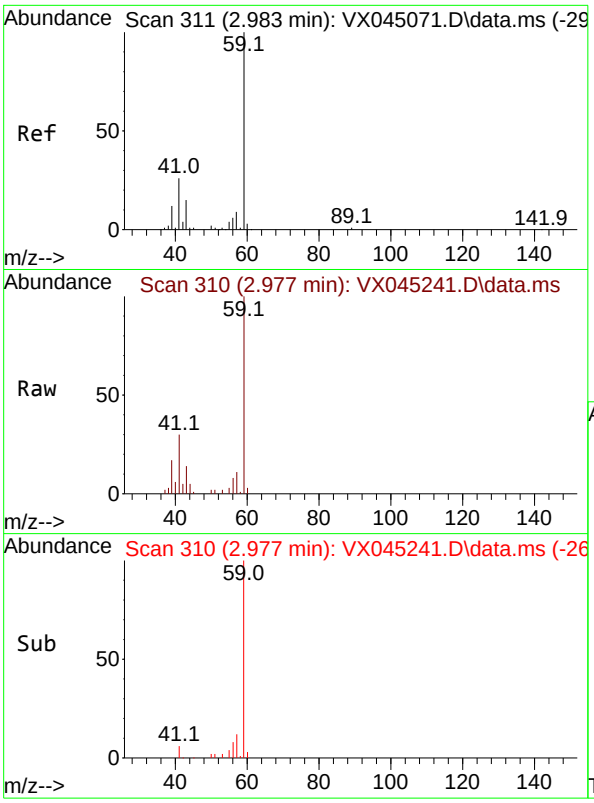


#10
Methyl Iodide
Concen: 19.107 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:142 Resp: 27447

Ion	Ratio	Lower	Upper
142	100		
127	45.9	35.4	53.2
141	14.5	11.6	17.4



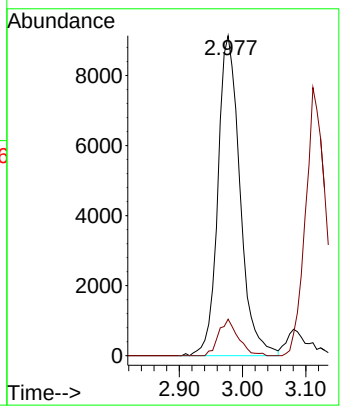


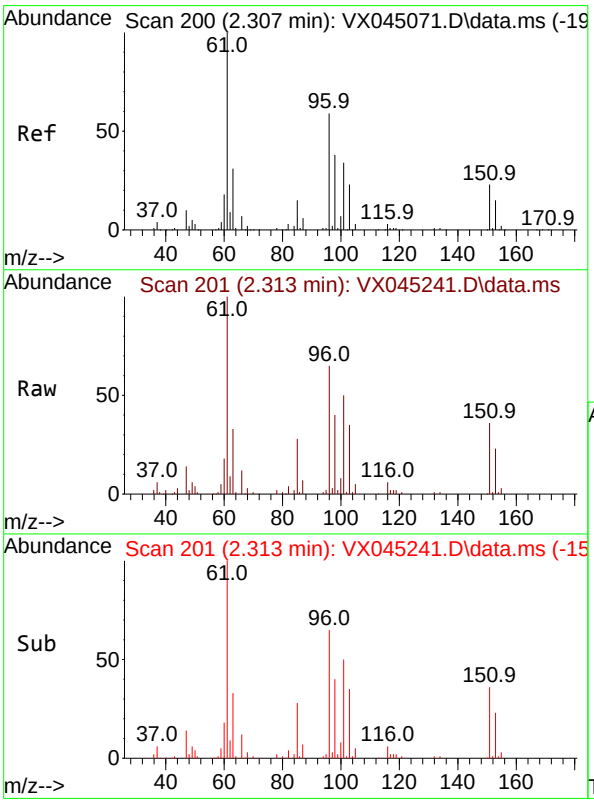
#11
Tert butyl alcohol
Concen: 74.222 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 59 Resp: 22117

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

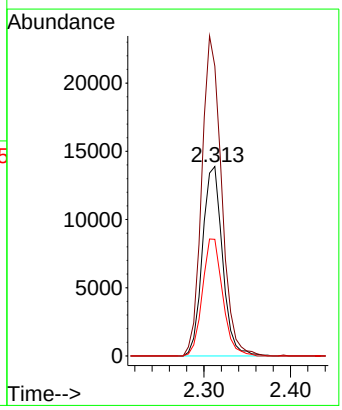


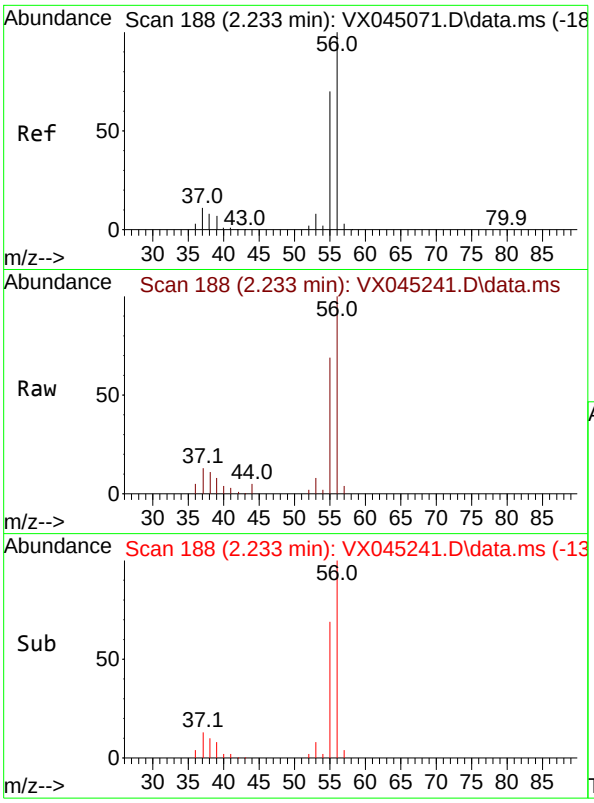


#12
1,1-Dichloroethene
Concen: 18.366 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 96 Resp: 22320

Ion	Ratio	Lower	Upper
96	100		
61	152.9	134.6	202.0
98	61.5	51.0	76.6



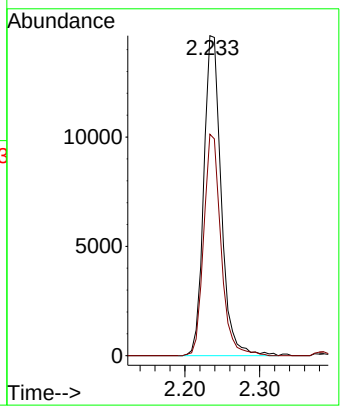


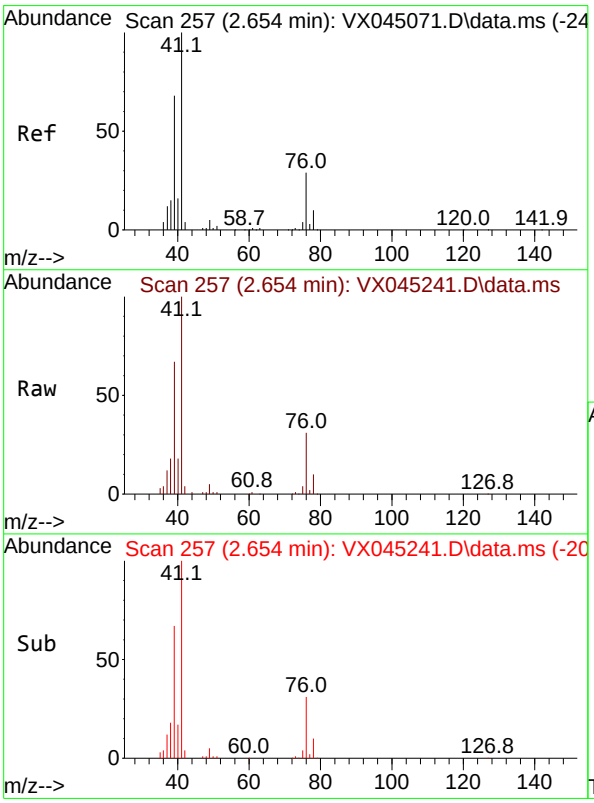
#13
Acrolein
Concen: 68.774 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 56 Resp: 23690

Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.2	84.4

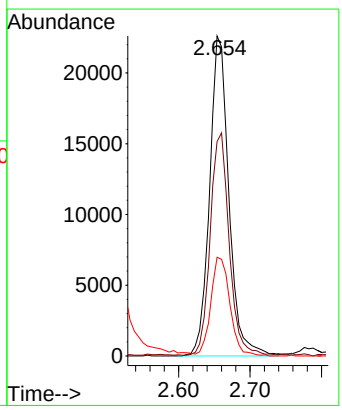


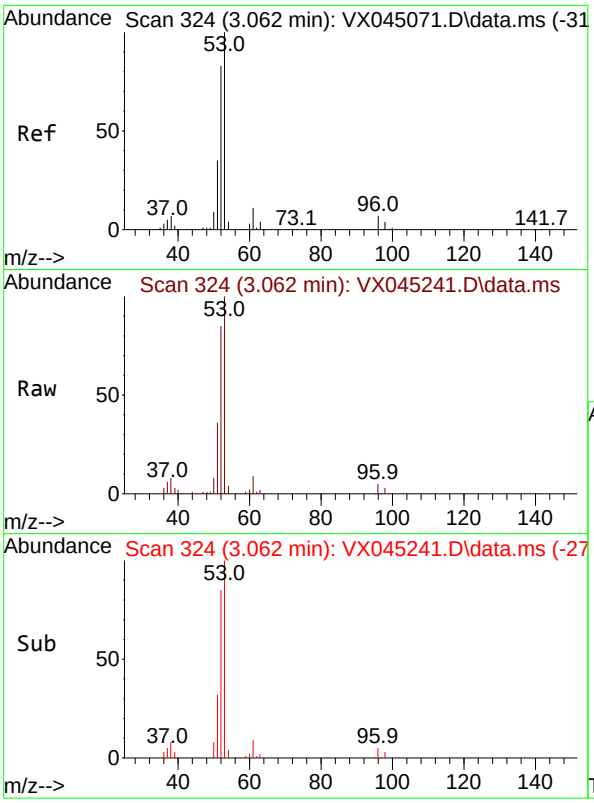


#14
Allyl chloride
Concen: 19.641 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 41 Resp: 42489

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	30.4	25.2	37.8



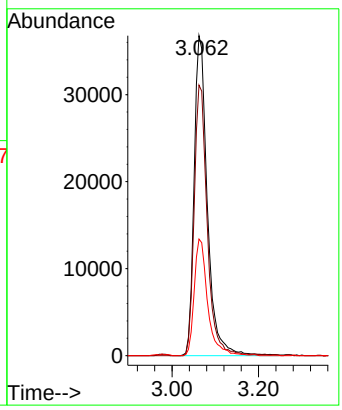


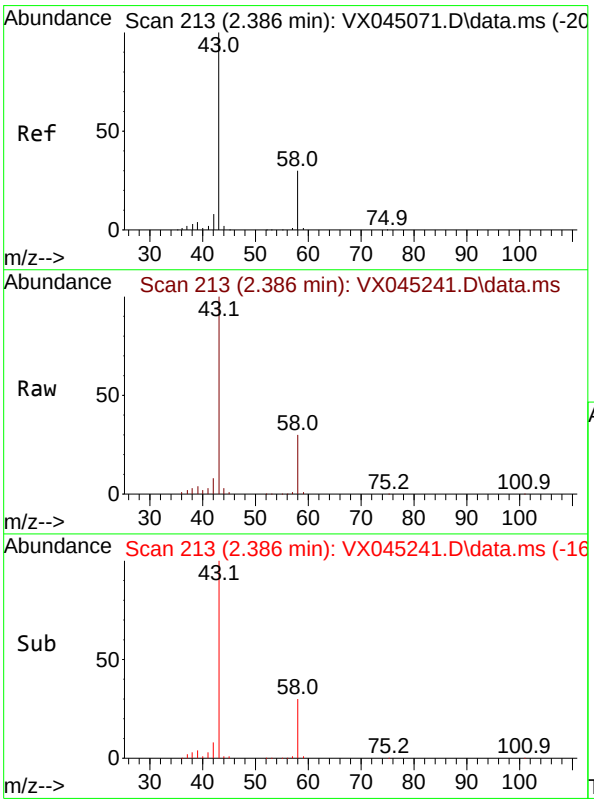
#15
Acrylonitrile
Concen: 97.837 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 53 Resp: 78136

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	37.0	29.0	43.4

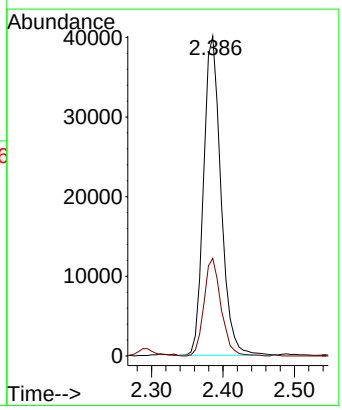


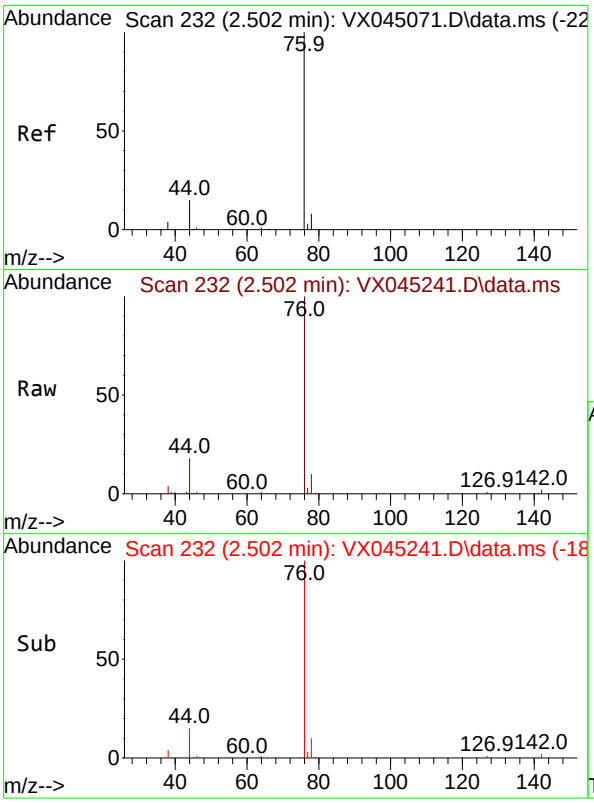


#16
Acetone
Concen: 92.649 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 67625

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4



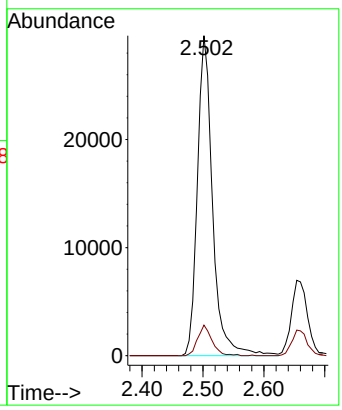


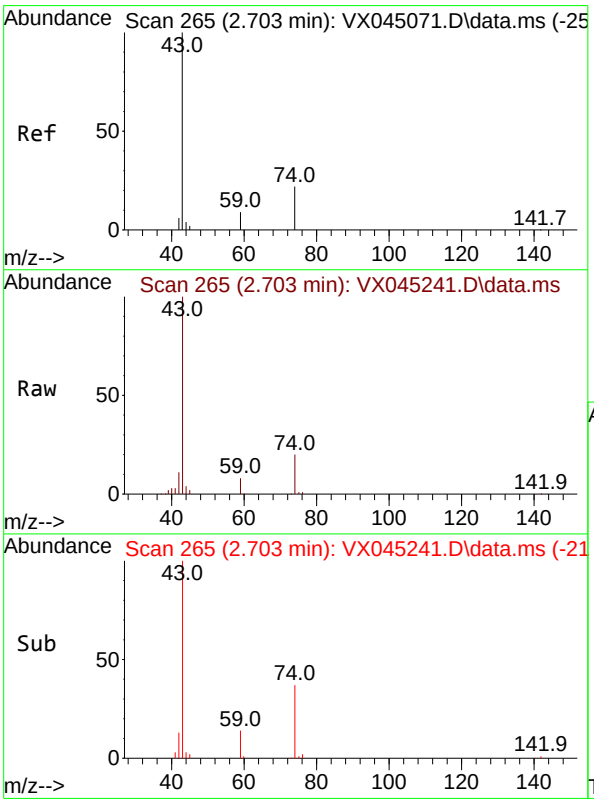
#17
Carbon Disulfide
Concen: 15.860 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 76 Resp: 51337

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8

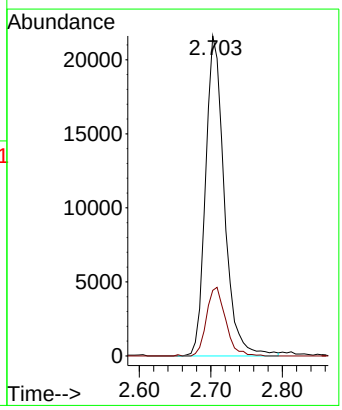


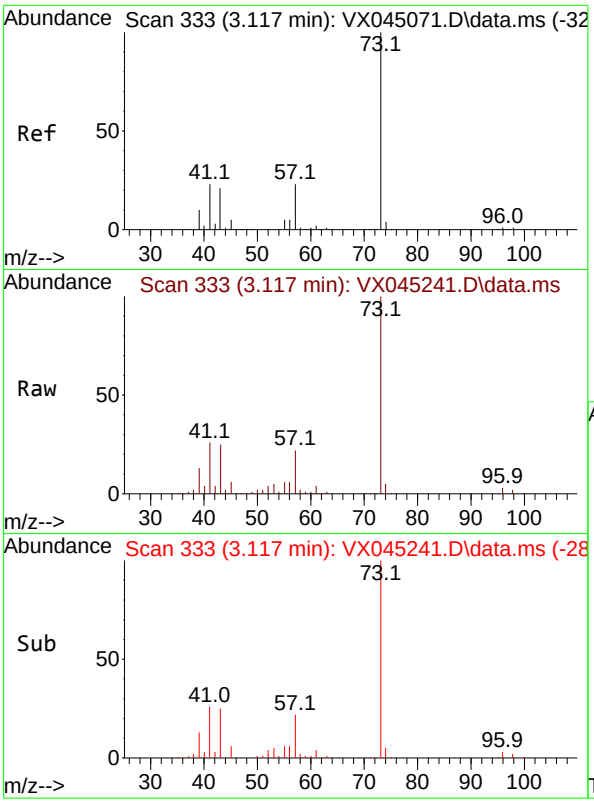


#18
Methyl Acetate
Concen: 22.466 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 39448

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



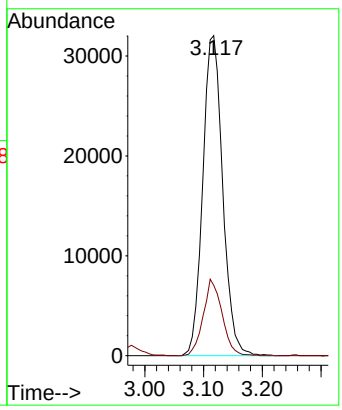


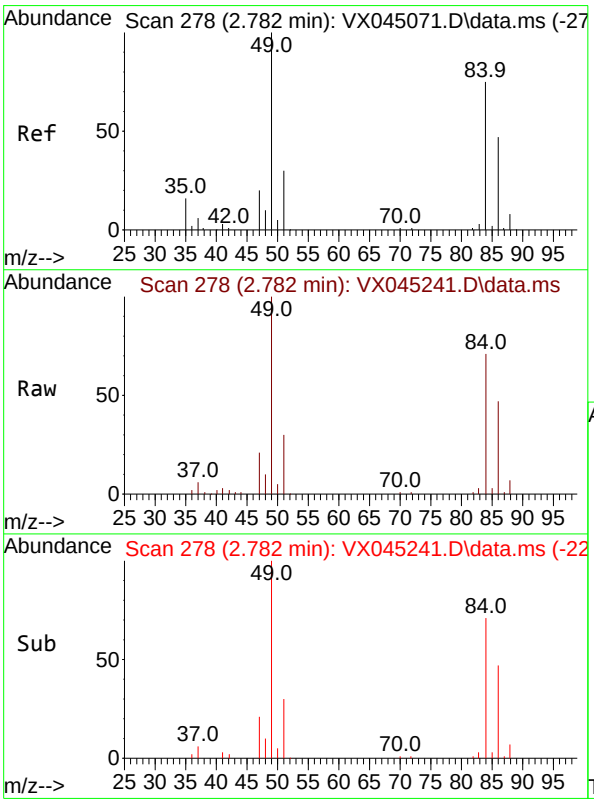
#19
Methyl tert-butyl Ether
Concen: 18.506 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 73 Resp: 75455

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.5	27.7

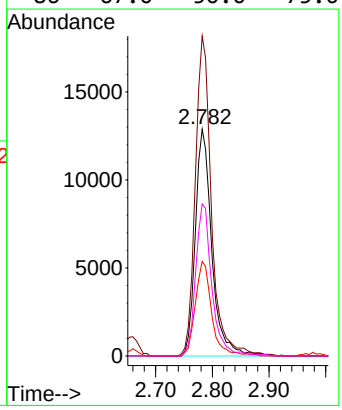


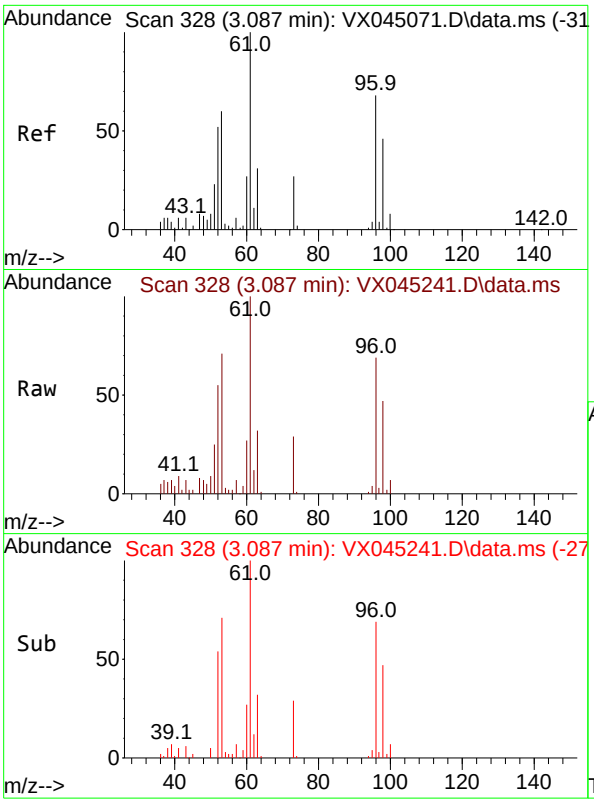


#20
Methylene Chloride
Concen: 17.983 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 84 Resp: 26001

Ion	Ratio	Lower	Upper
84	100		
49	141.1	106.5	159.7
51	41.7	32.1	48.1
86	67.0	50.0	75.0



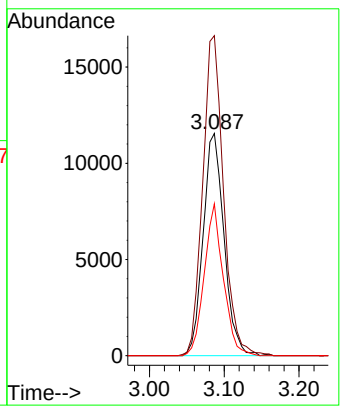


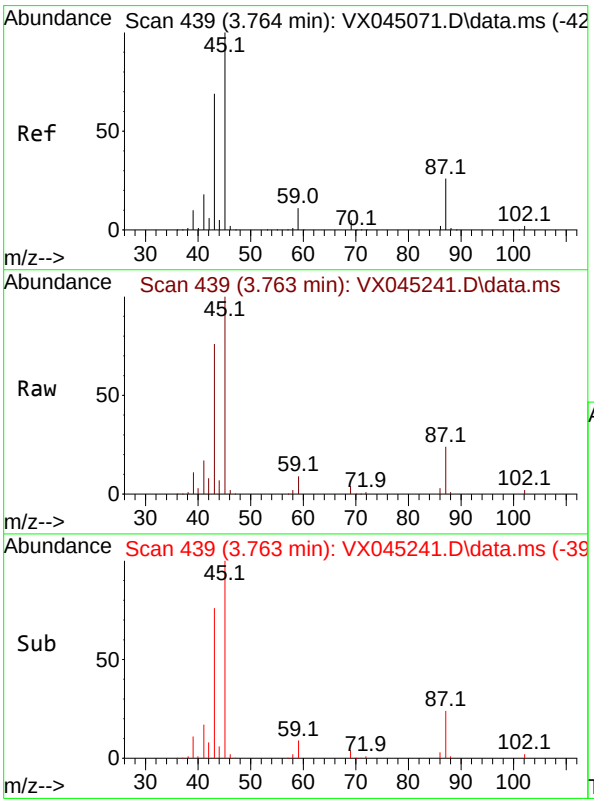
#21
trans-1,2-Dichloroethene
Concen: 18.681 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 96 Resp: 22429

Ion	Ratio	Lower	Upper
96	100		
61	144.0	117.0	175.4
98	68.3	53.4	80.2

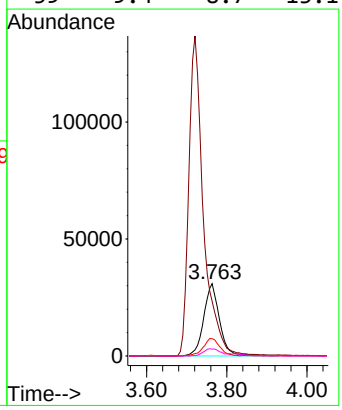


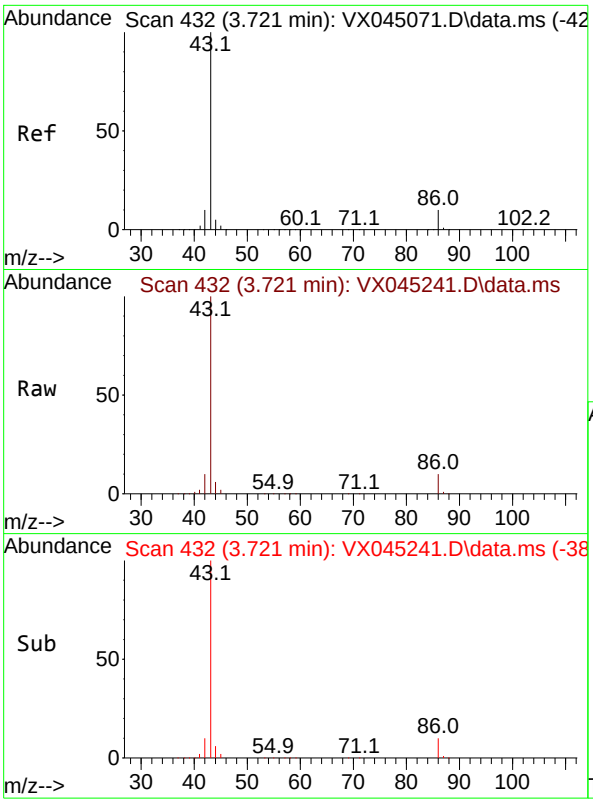


#22
Diisopropyl ether
Concen: 19.282 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 45 Resp: 84834

Ion	Ratio	Lower	Upper
45	100		
43	75.1	54.9	82.3
87	23.8	21.0	31.4
59	9.4	8.7	13.1



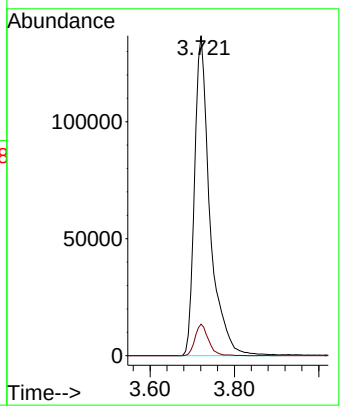


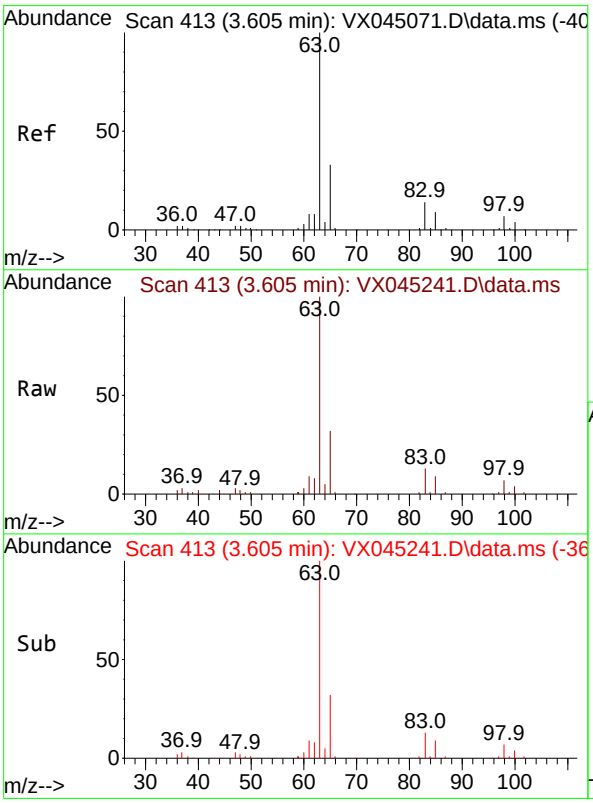
#23
Vinyl Acetate
Concen: 94.851 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 43 Resp: 348243

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

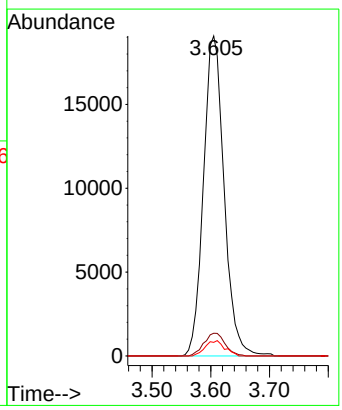


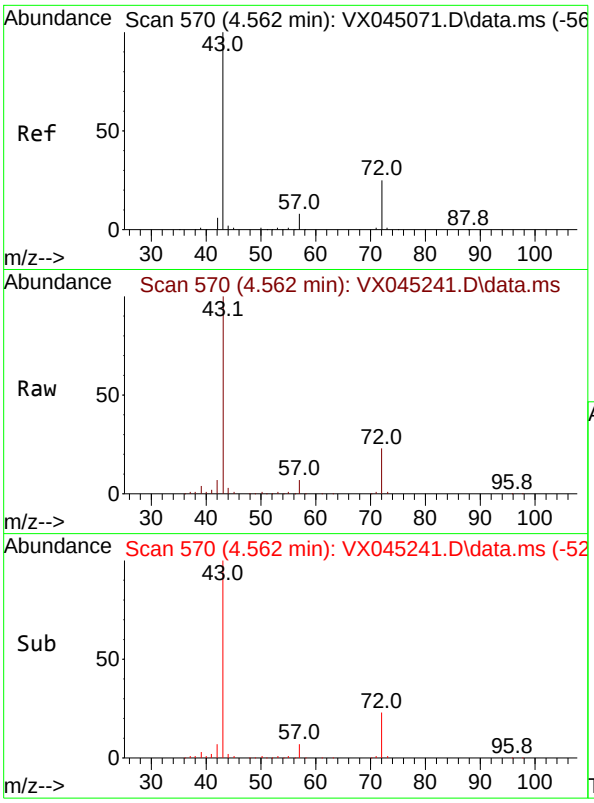


#24
1,1-Dichloroethane
Concen: 18.932 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 63 Resp: 46680

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.3	2.1	6.5



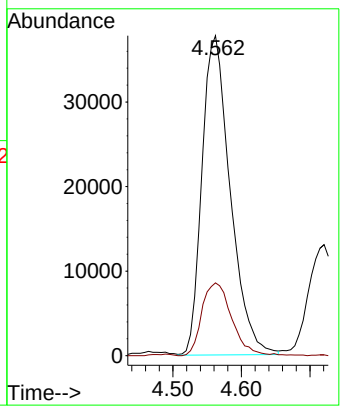


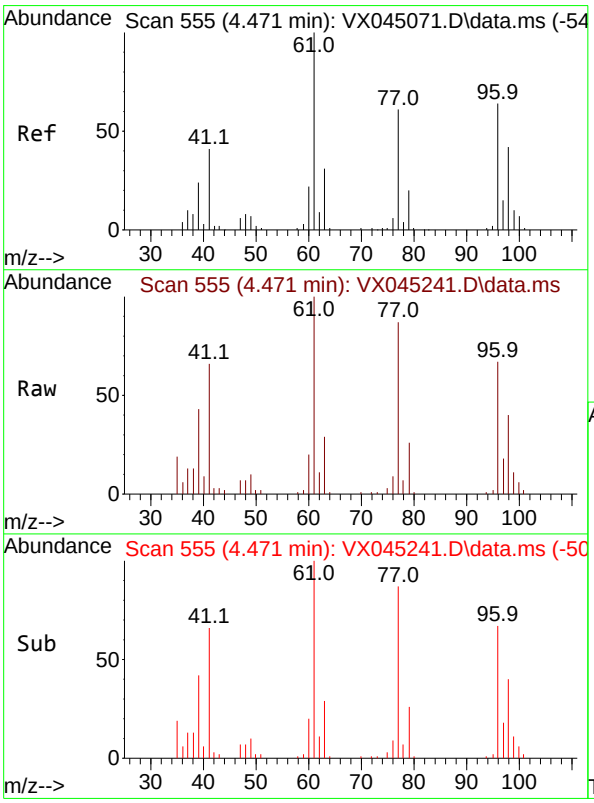
#25
2-Butanone
Concen: 98.643 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 43 Resp: 108378

Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.0	30.0

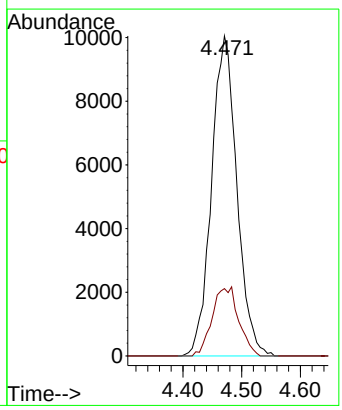


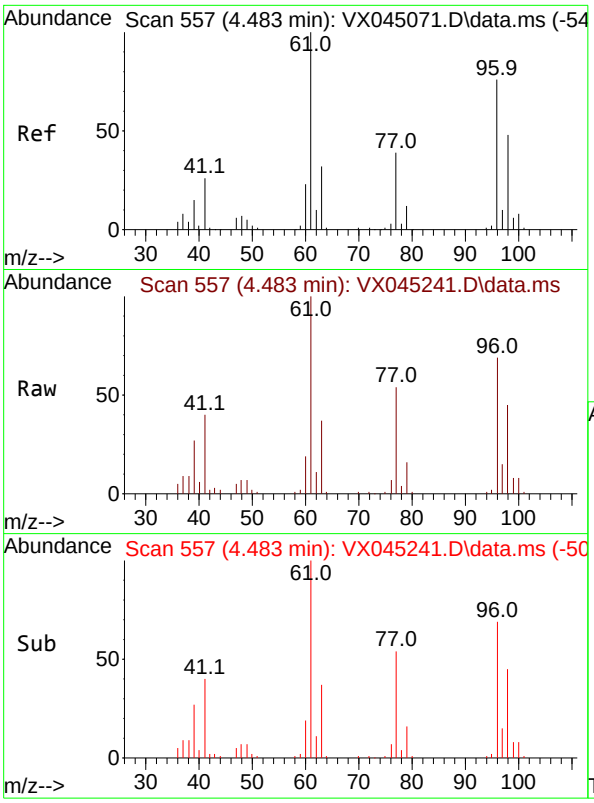


#26
2,2-Dichloropropane
Concen: 26.043 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 77 Resp: 30120

Ion	Ratio	Lower	Upper
77	100		
97	22.5	12.4	37.0



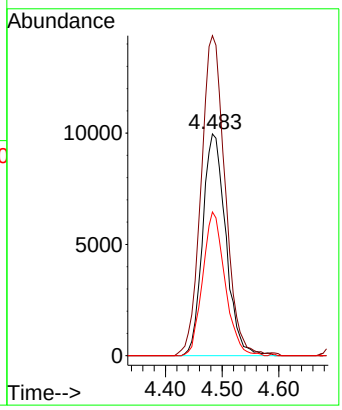


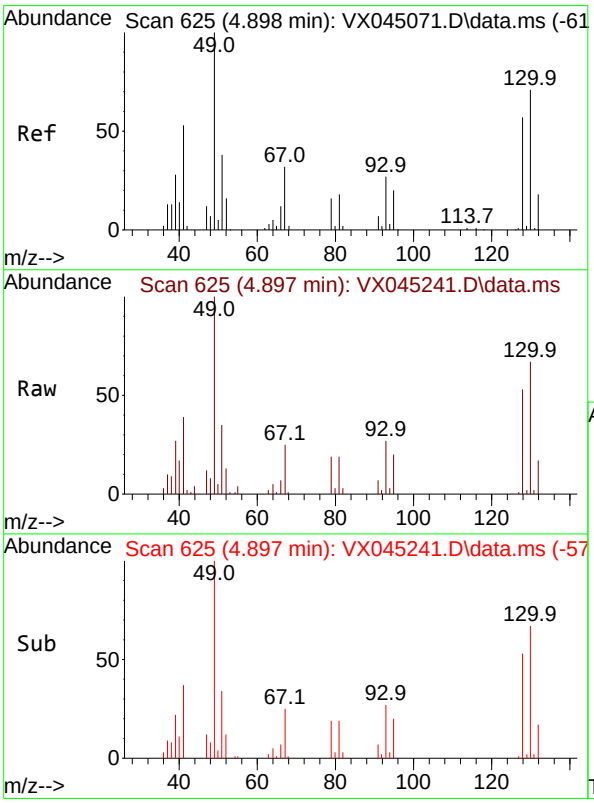
#27
cis-1,2-Dichloroethene
Concen: 19.048 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 96 Resp: 28232

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	283.2
98	62.6	0.0	128.0

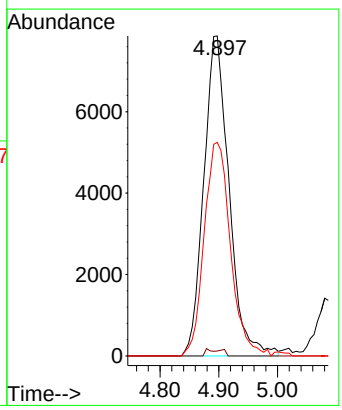


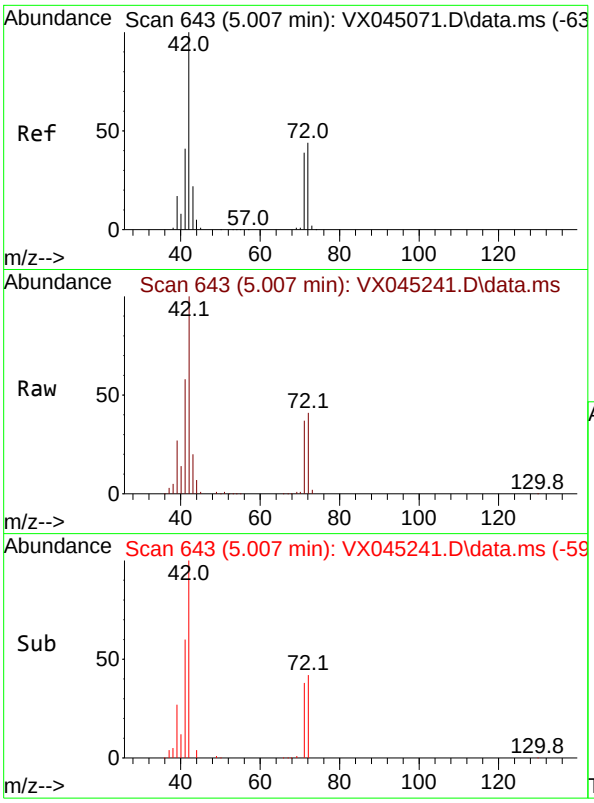


#28
Bromochloromethane
Concen: 19.974 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 49 Resp: 23474

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	69.4	56.1	84.1



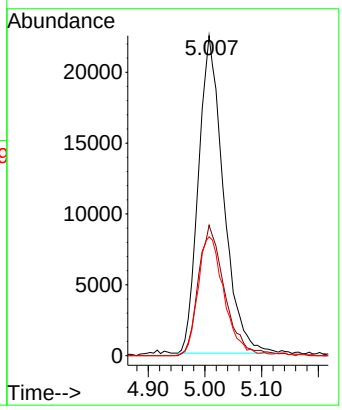


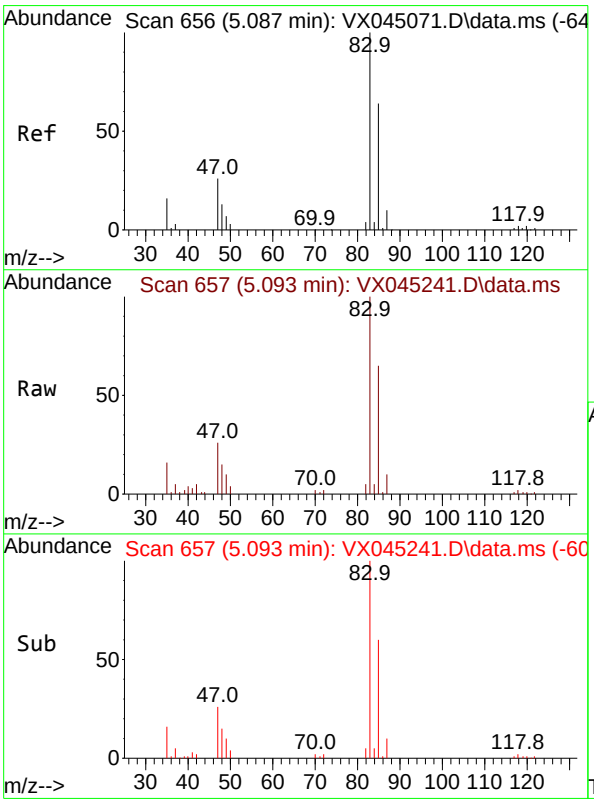
#29
Tetrahydrofuran
Concen: 93.010 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 42 Resp: 68625

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.1	51.1
71	39.4	31.4	47.0

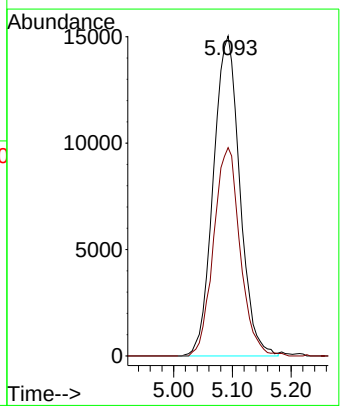


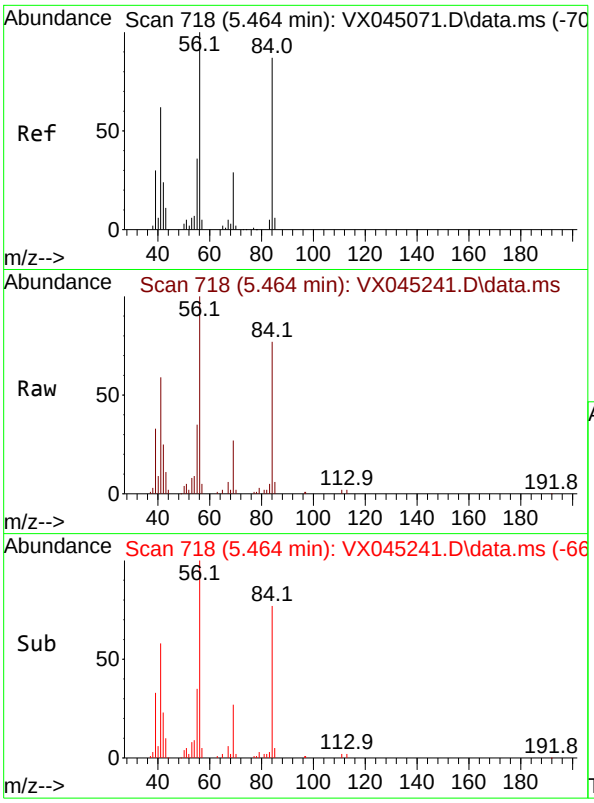


#30
Chloroform
Concen: 19.195 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 83 Resp: 47027

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2



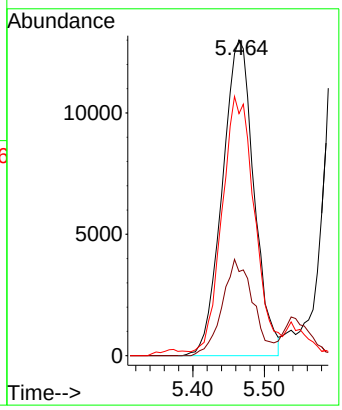


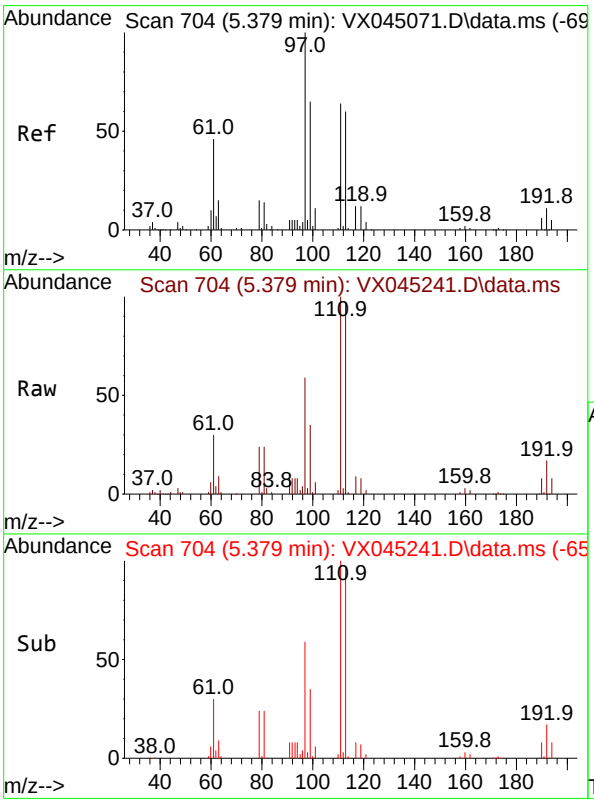
#31
Cyclohexane
Concen: 18.699 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 56 Resp: 40022

Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.4	35.2
84	75.3	69.4	104.2

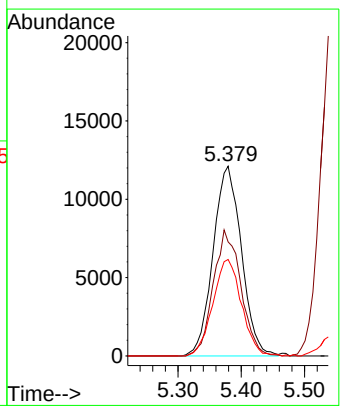


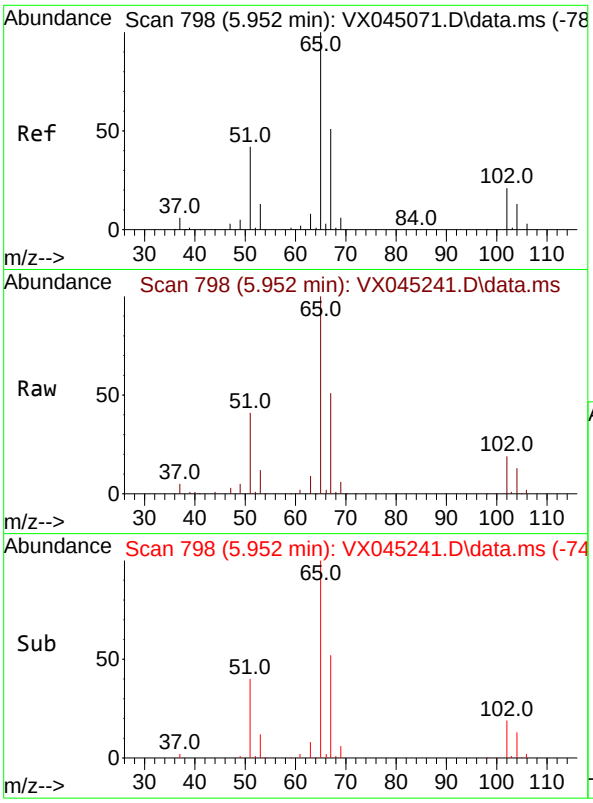


#32
1,1,1-Trichloroethane
Concen: 19.053 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 97 Resp: 37701

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	51.3	38.4	57.6



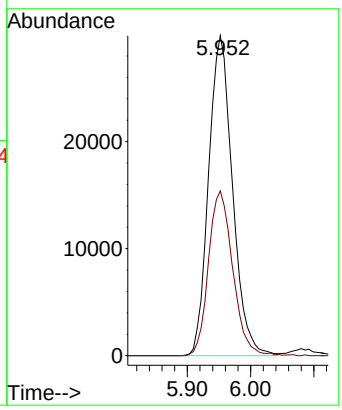


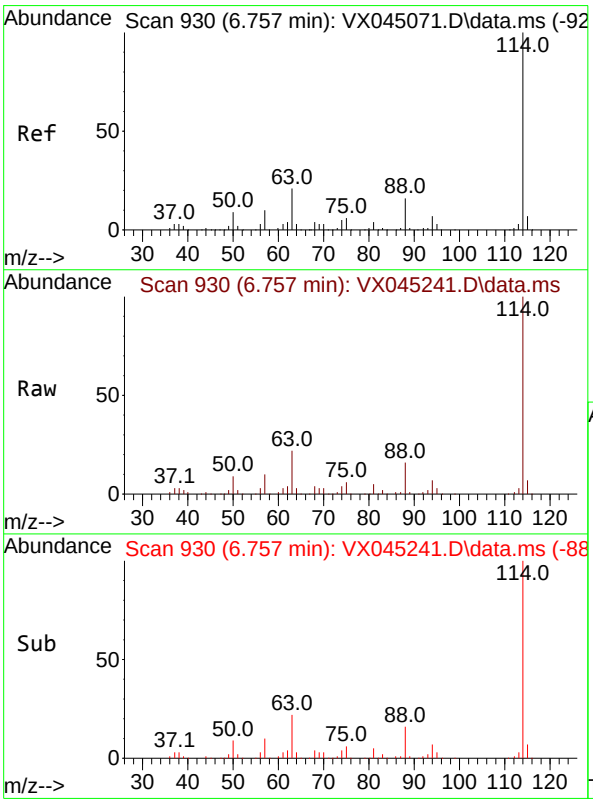
#33
1,2-Dichloroethane-d4
Concen: 49.972 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 65 Resp: 78615

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2

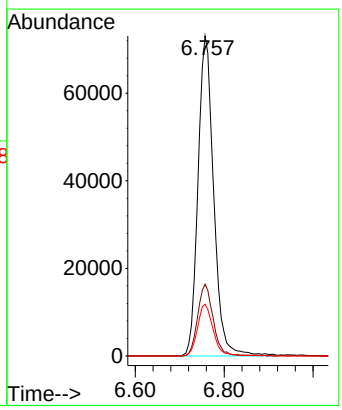


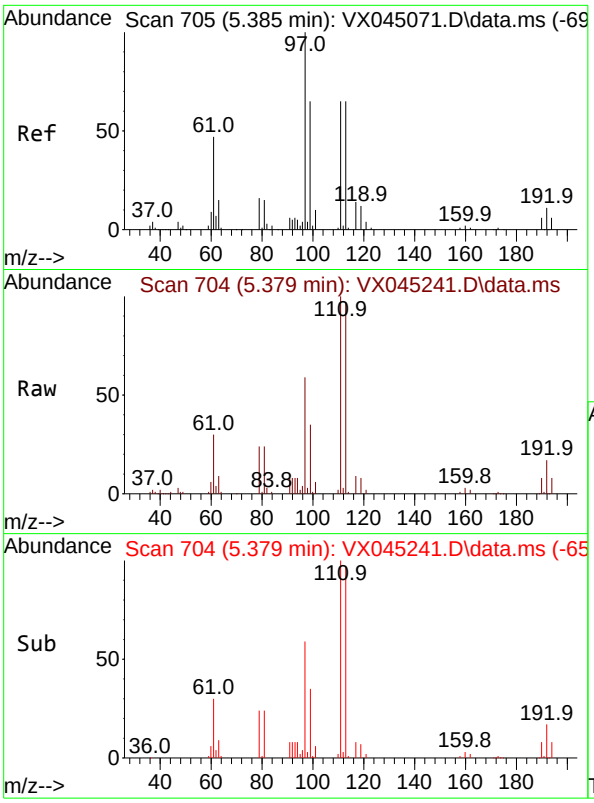


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:114 Resp: 179533

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	16.2	0.0	32.8



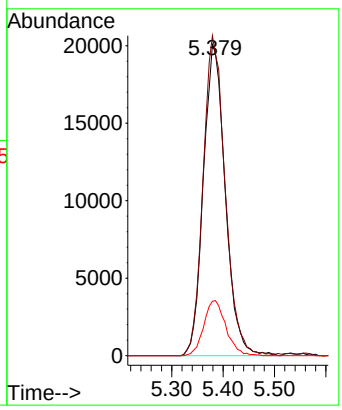


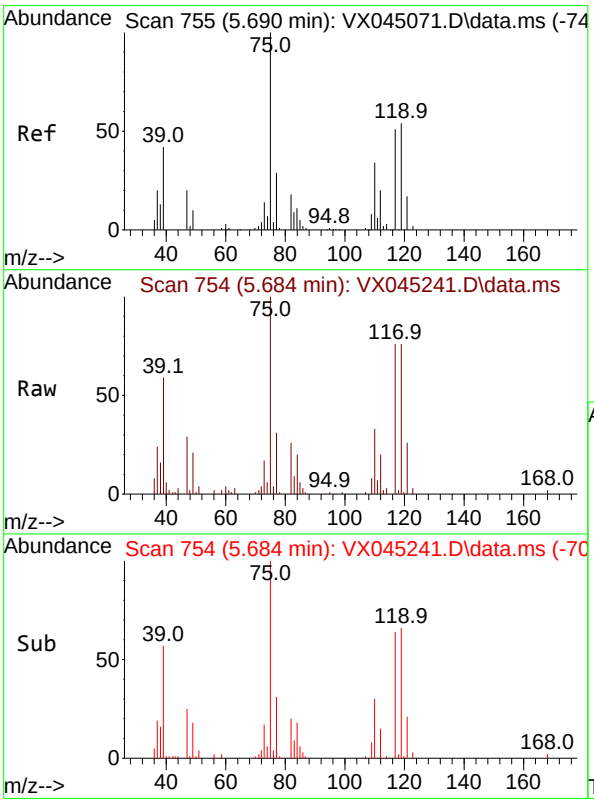
#35
Dibromofluoromethane
Concen: 49.585 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:113 Resp: 59526

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.9	14.3	21.5

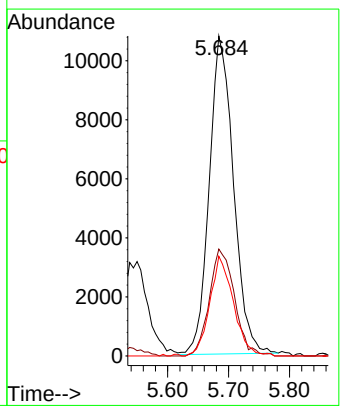


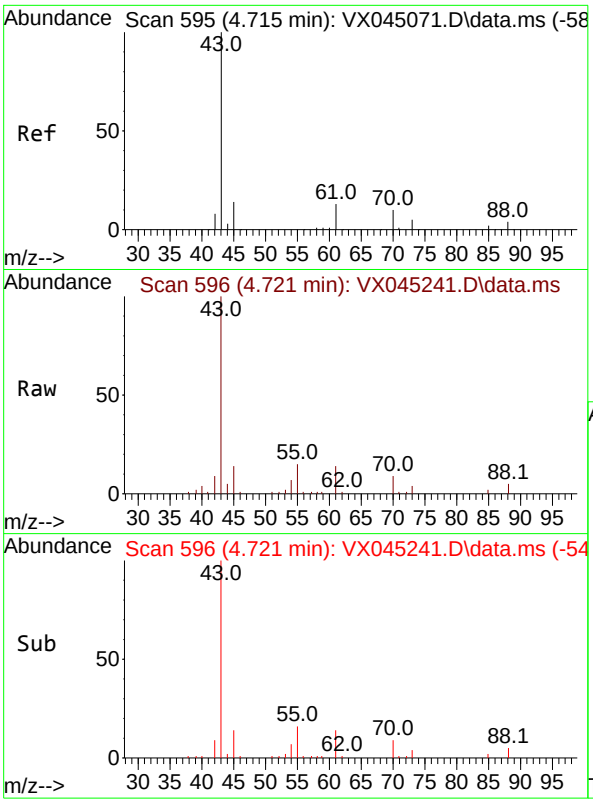


#36
1,1-Dichloropropene
Concen: 18.110 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 29816

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.6
77	30.6	24.5	36.7



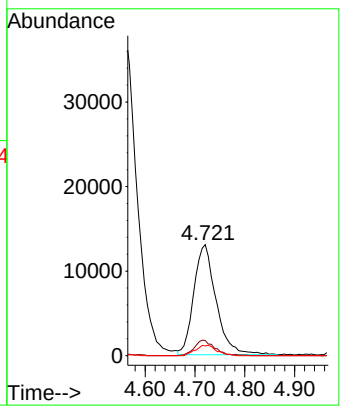


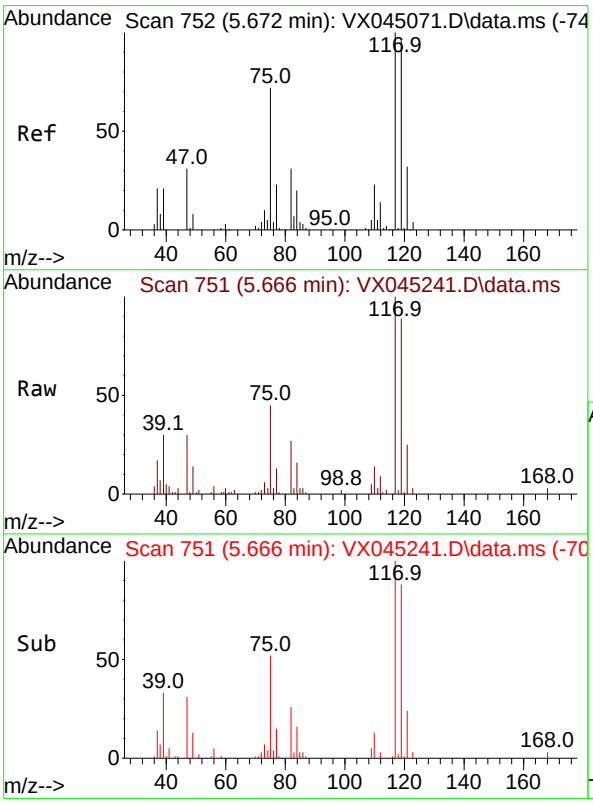
#37
Ethyl Acetate
Concen: 19.095 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 43 Resp: 40509

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	8.9	7.7	11.5

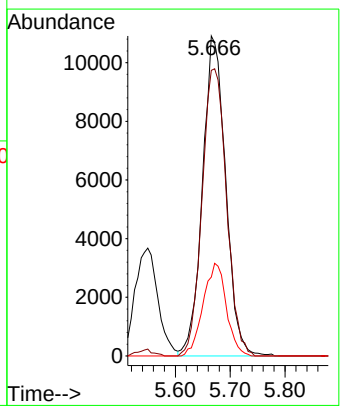


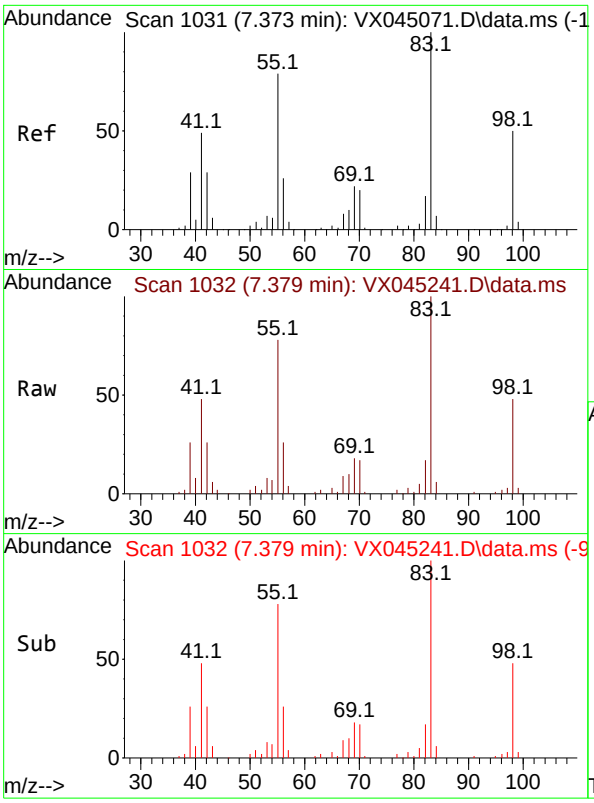


#38
Carbon Tetrachloride
Concen: 19.142 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:117 Resp: 31995

Ion	Ratio	Lower	Upper
117	100		
119	89.3	76.7	115.1
121	24.7	25.5	38.3#



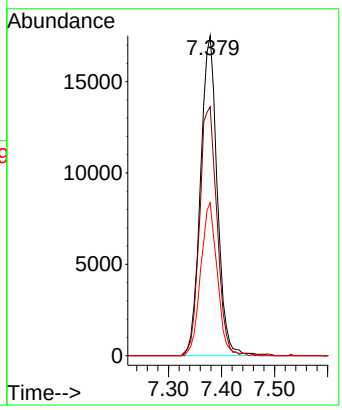


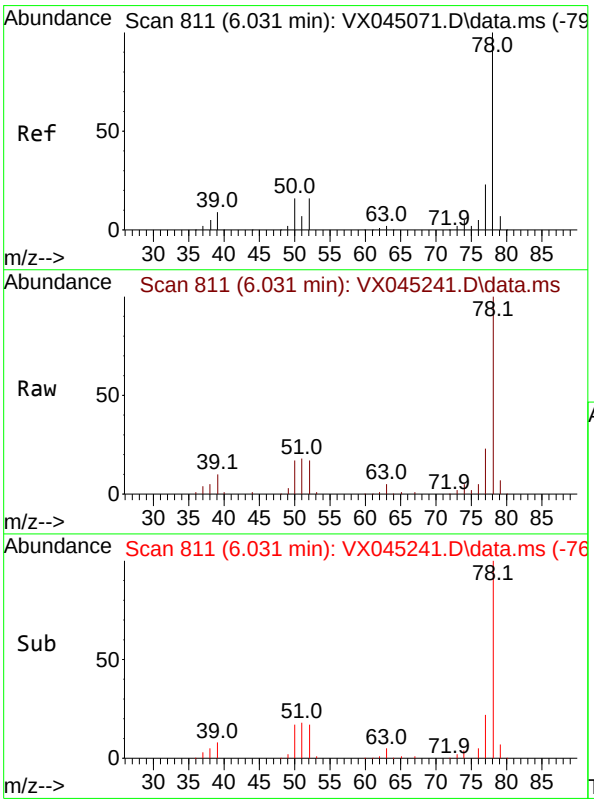
#39
Methylcyclohexane
Concen: 19.476 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 83 Resp: 38421

Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.0	94.4
98	47.8	39.7	59.5

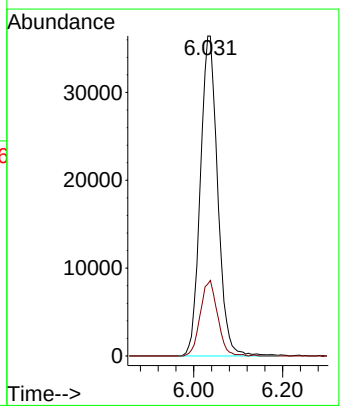


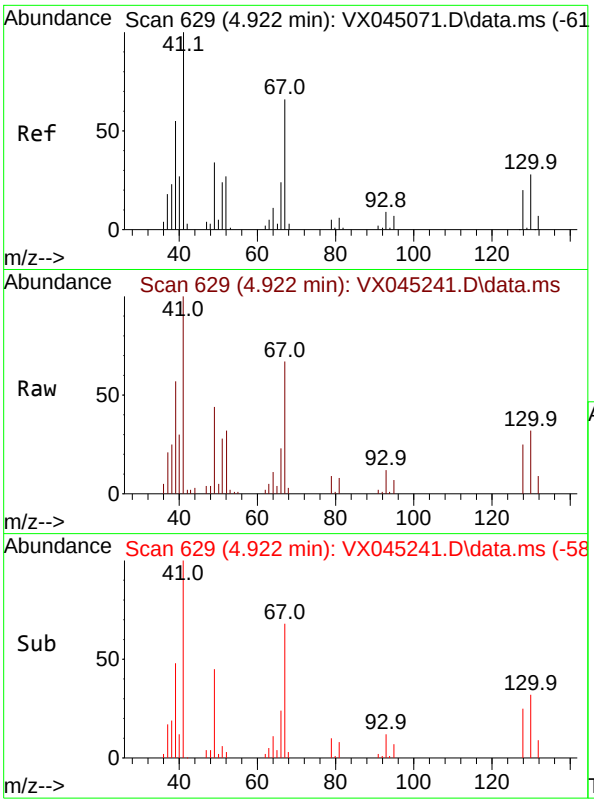


#40
Benzene
Concen: 19.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 78 Resp: 99047

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2



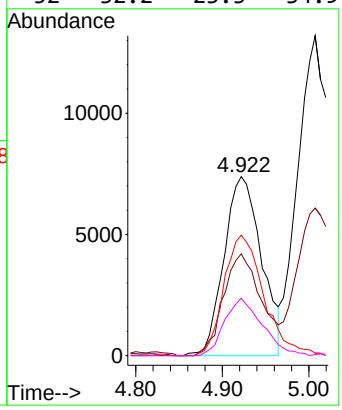


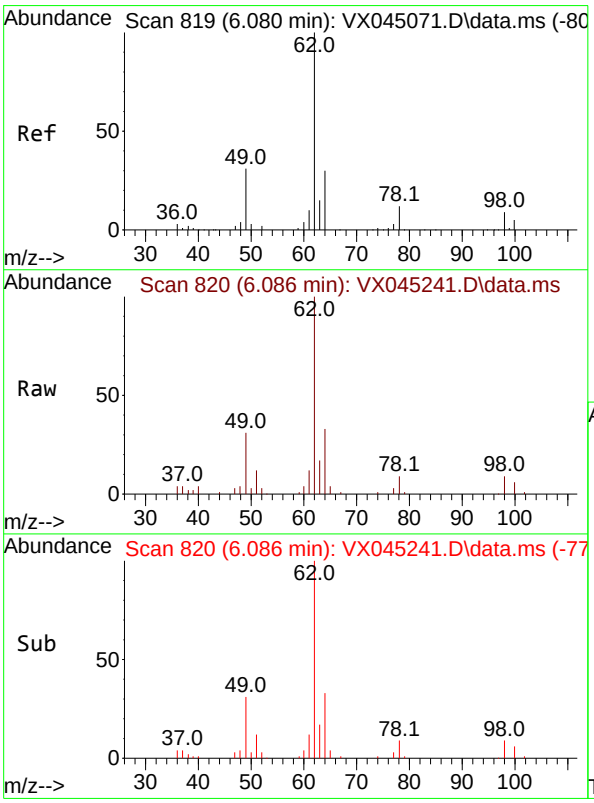
#41
Methacrylonitrile
Concen: 19.406 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 41 Resp: 22260

Ion	Ratio	Lower	Upper
41	100		
39	57.6	44.6	67.0
67	71.2	53.9	80.9
52	32.2	23.3	34.9

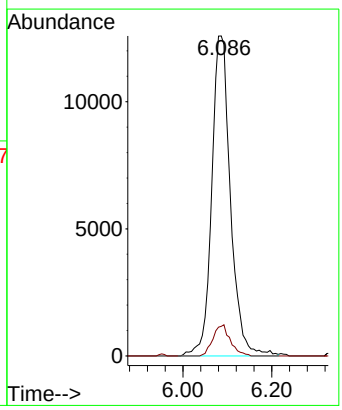


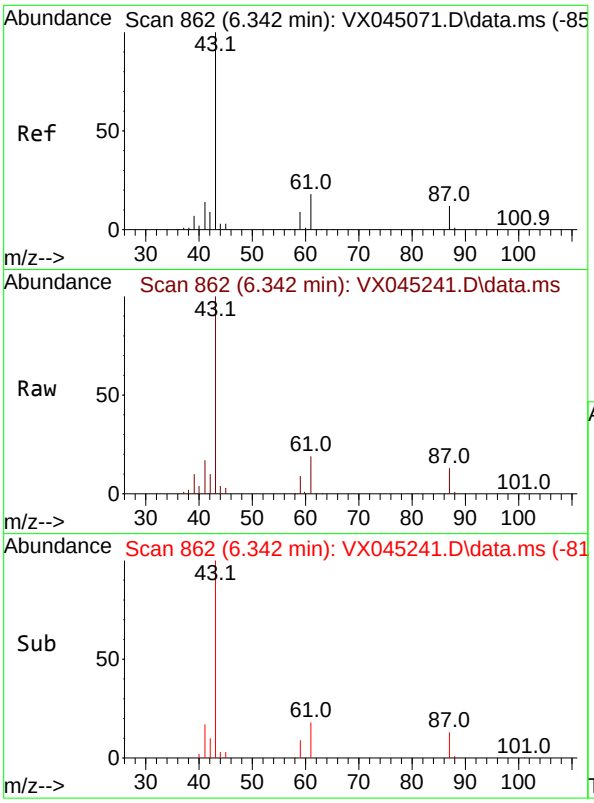


#42
1,2-Dichloroethane
Concen: 19.673 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 62 Resp: 36830

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



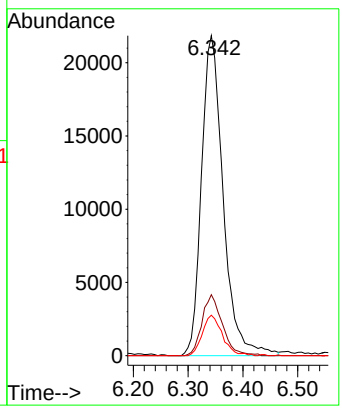


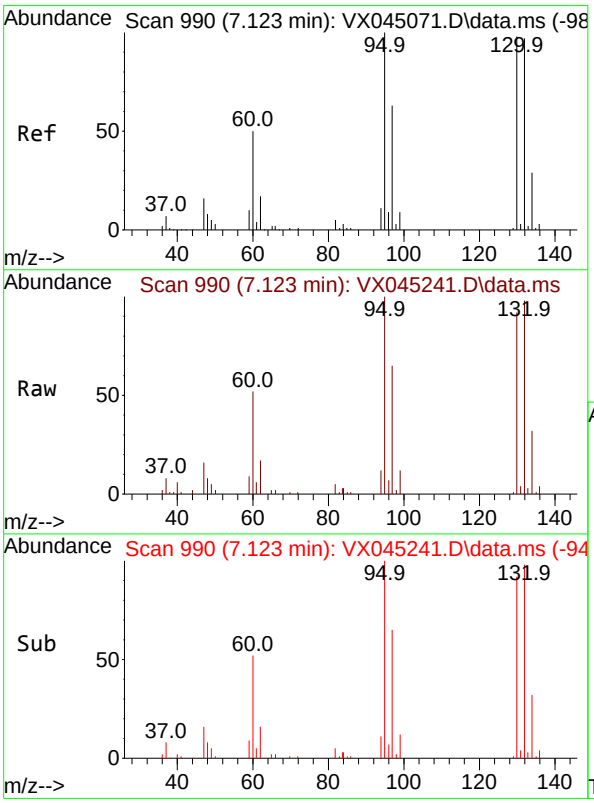
#43
Isopropyl Acetate
Concen: 19.142 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 43 Resp: 60047

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.6	9.4	14.2

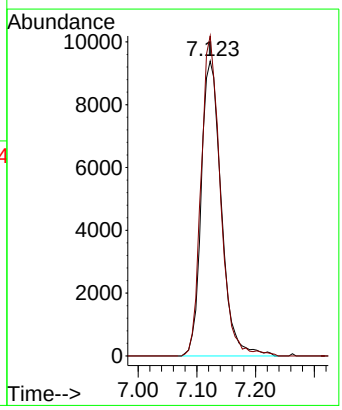


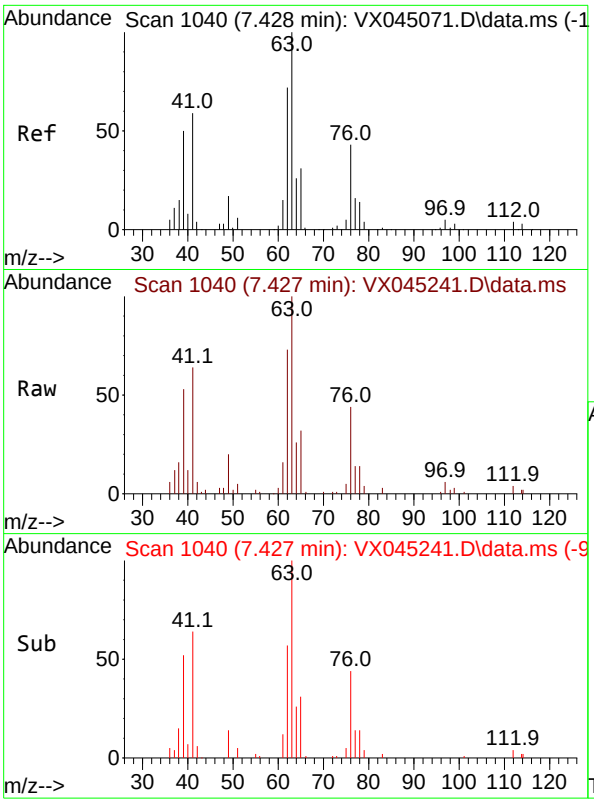


#44
Trichloroethene
Concen: 18.325 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:130 Resp: 22370

Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	205.0



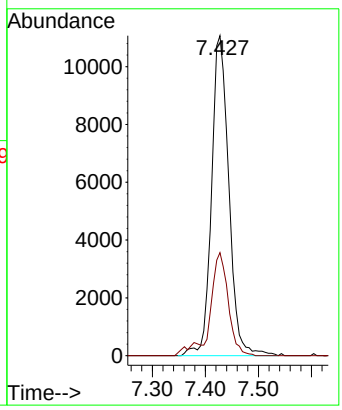


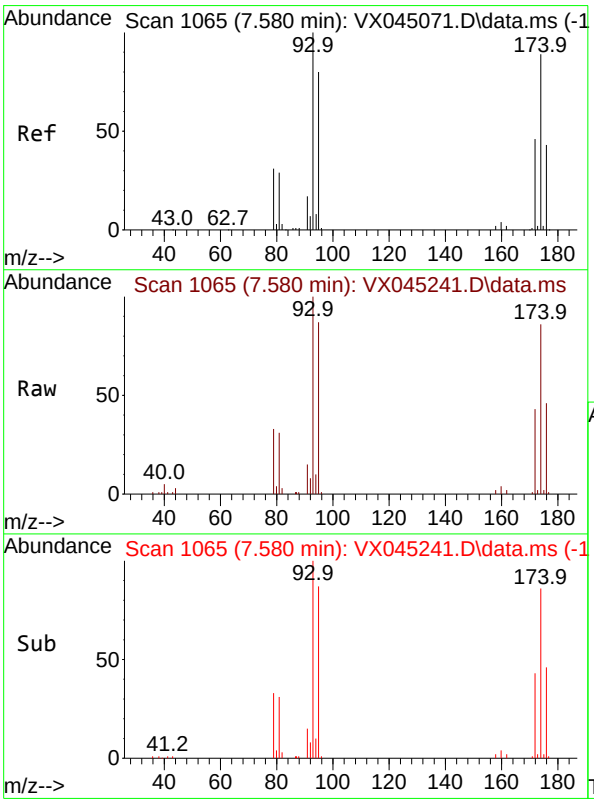
#45
1,2-Dichloropropane
Concen: 18.788 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 63 Resp: 25113

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.7	37.1

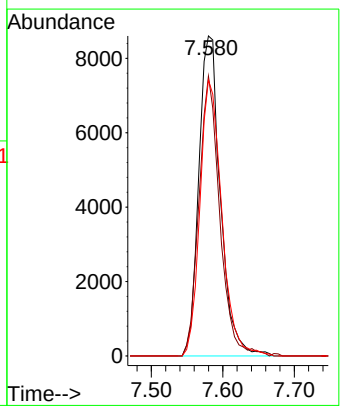


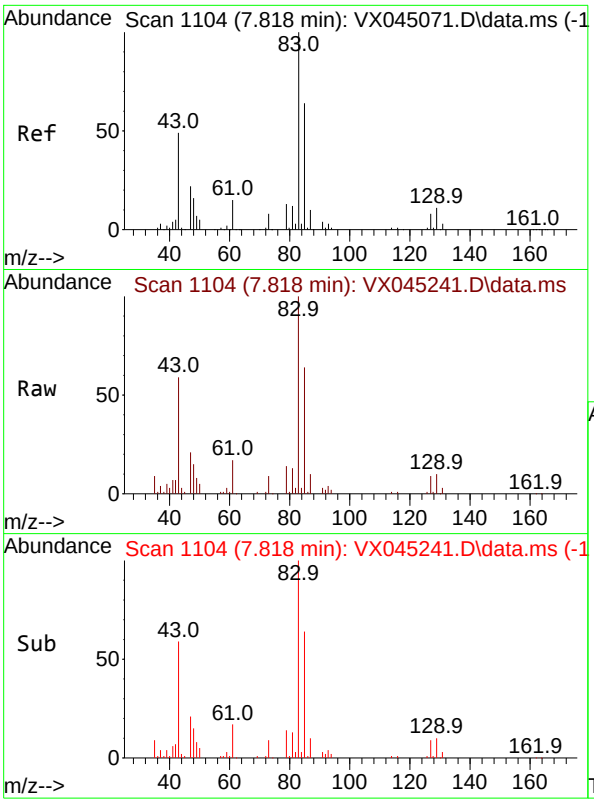


#46
Dibromomethane
Concen: 19.118 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 93 Resp: 18062

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.8	98.8
174	87.3	72.2	108.2



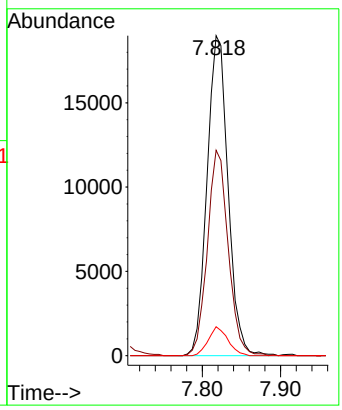


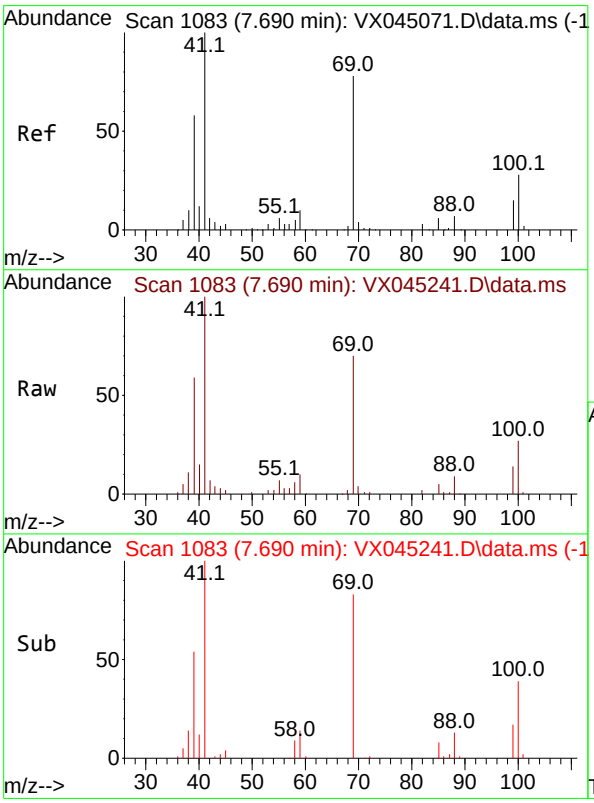
#47
Bromodichloromethane
Concen: 19.048 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 83 Resp: 35299

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	9.0	6.4	9.6

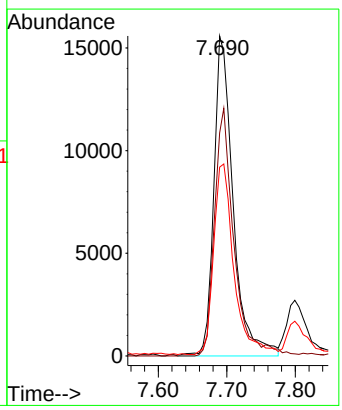


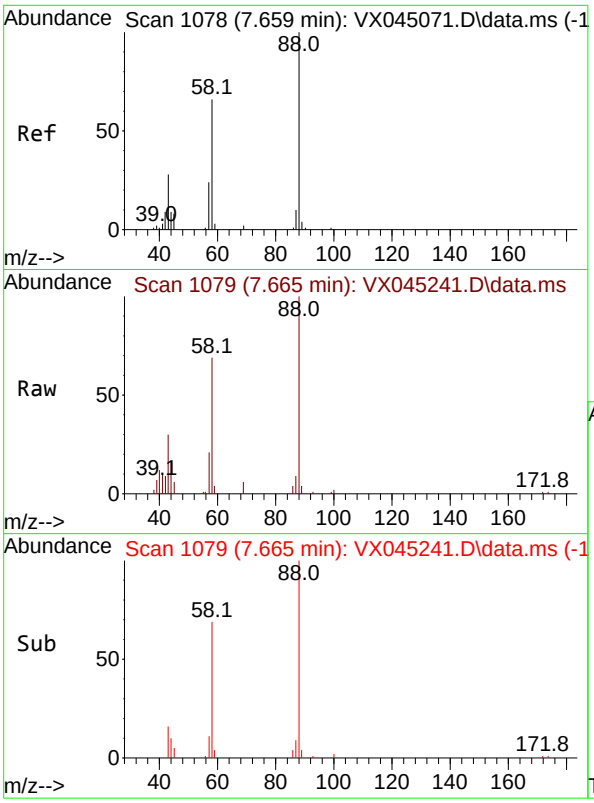


#48
Methyl methacrylate
Concen: 19.325 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 41 Resp: 30413

Ion	Ratio	Lower	Upper
41	100		
69	78.0	63.0	94.6
39	62.7	47.5	71.3



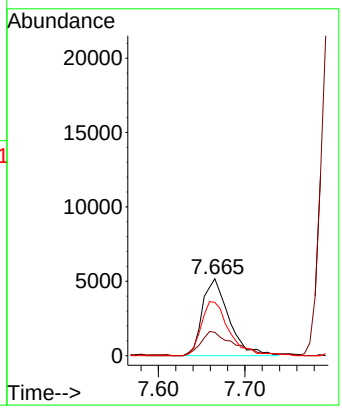


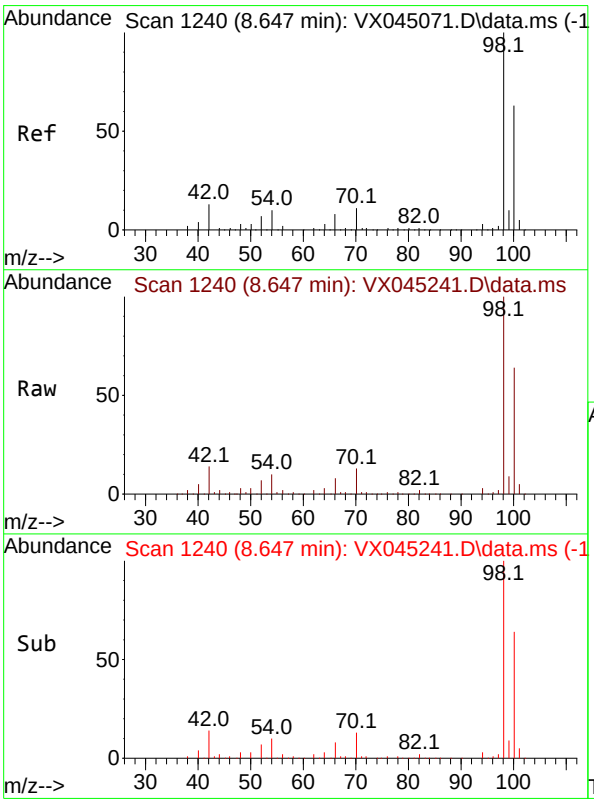
#49
1,4-Dioxane
Concen: 331.922 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 88 Resp: 11019

Ion	Ratio	Lower	Upper
88	100		
43	40.5	28.7	43.1
58	74.0	55.8	83.8

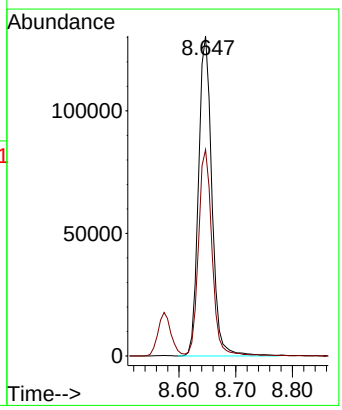


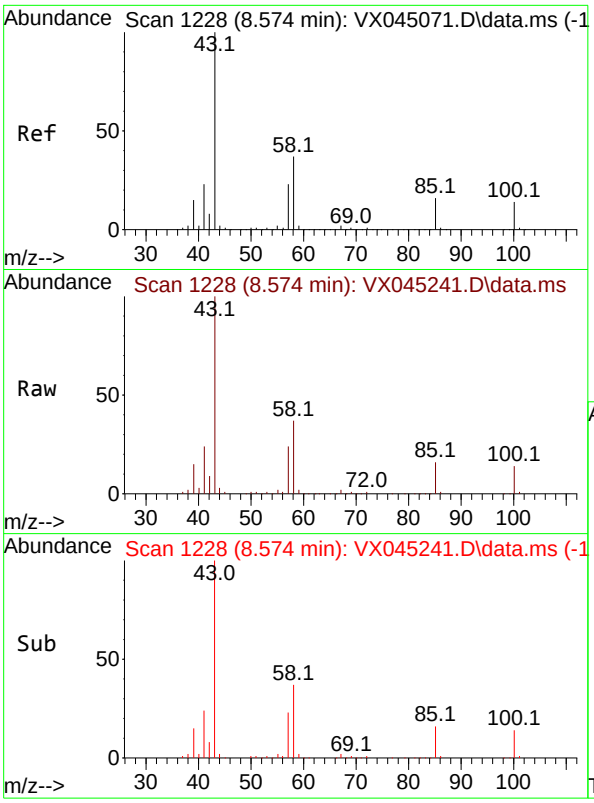


#50
Toluene-d8
Concen: 49.204 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 98 Resp: 214144

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



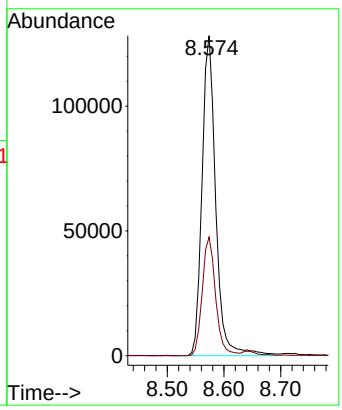


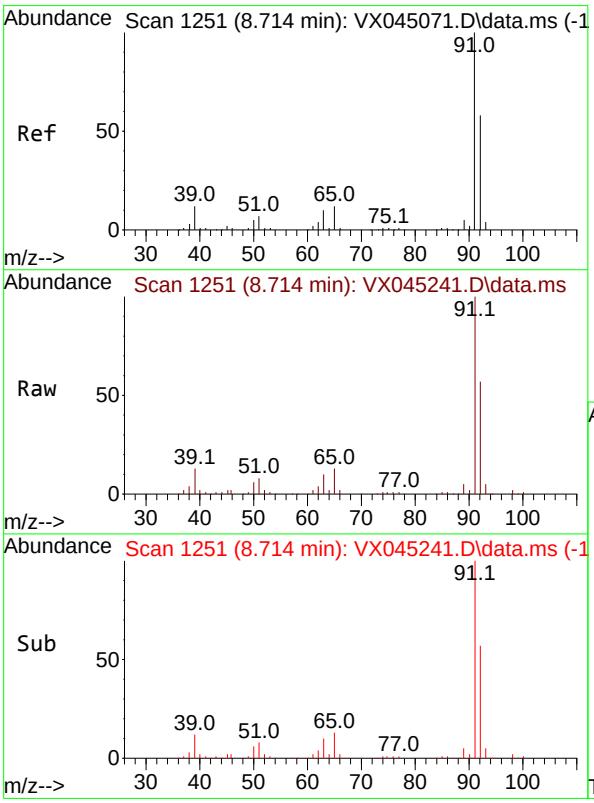
#51
4-Methyl-2-Pentanone
Concen: 102.431 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 43 Resp: 215751

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

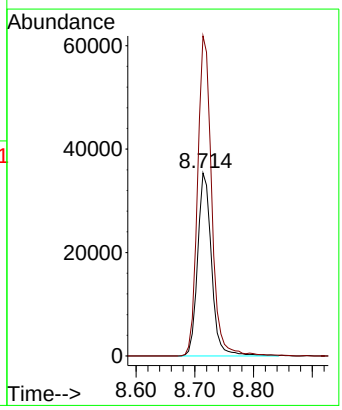


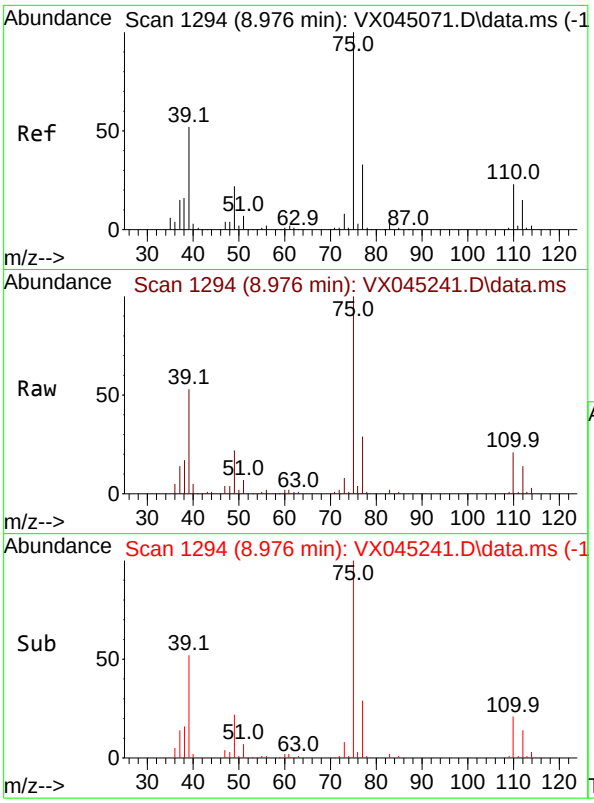


#52
Toluene
Concen: 19.097 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 92 Resp: 58249

Ion	Ratio	Lower	Upper
92	100		
91	177.3	138.9	208.3



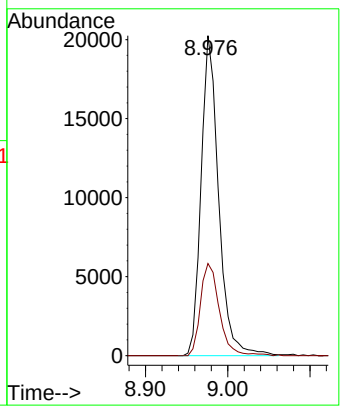


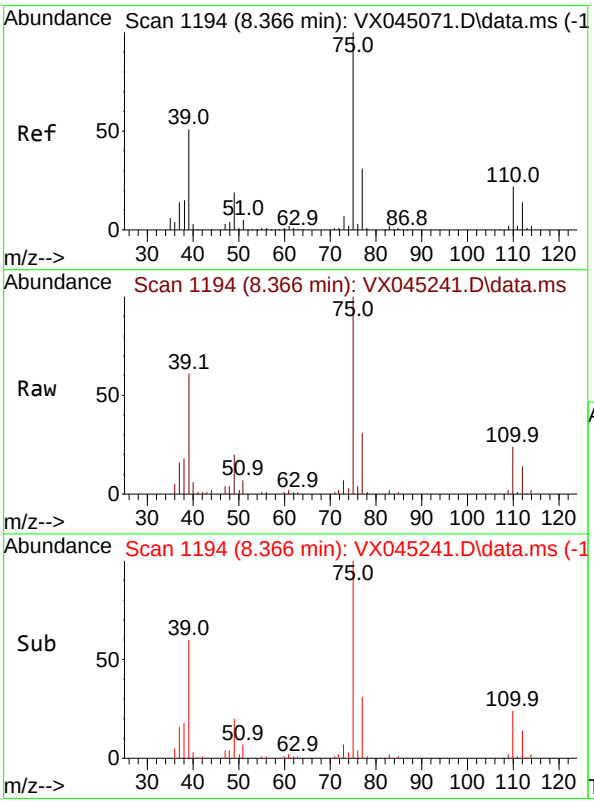
#53
t-1,3-Dichloropropene
Concen: 19.347 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 75 Resp: 29973

Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.5	39.7

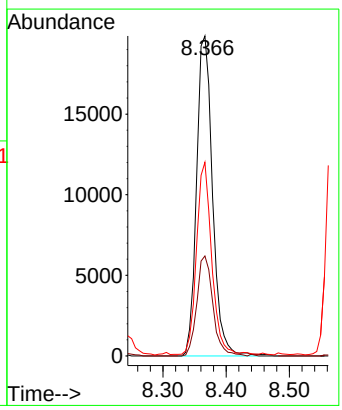


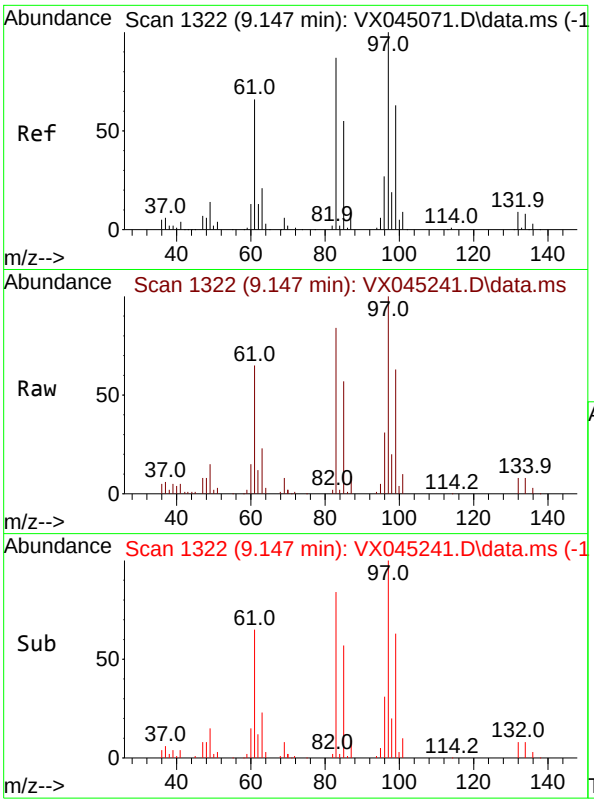


#54
cis-1,3-Dichloropropene
Concen: 19.360 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 34975

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1
39	60.0	40.7	61.1



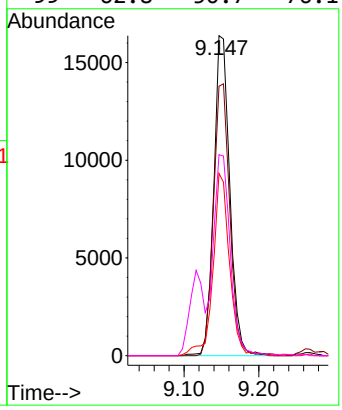


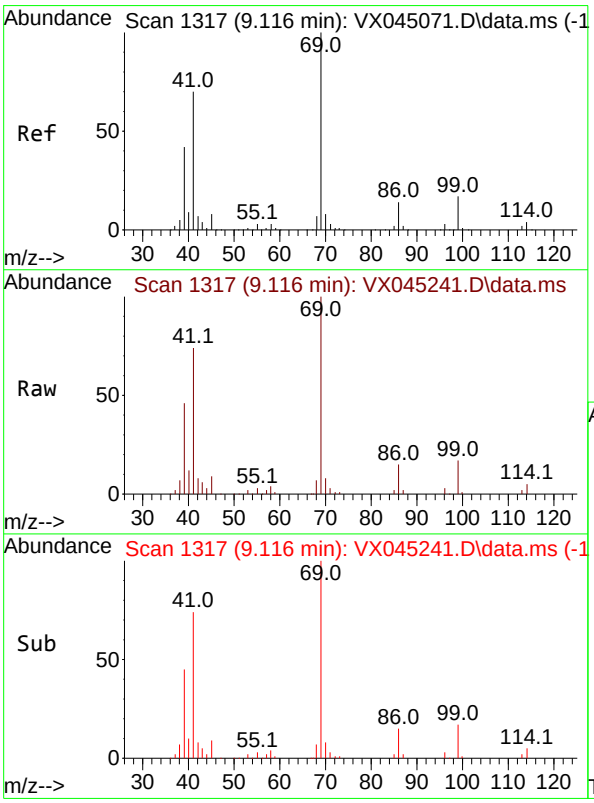
#55
1,1,2-Trichloroethane
Concen: 19.398 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 97 Resp: 24358

Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.4	104.2
85	56.9	44.1	66.1
99	62.8	50.7	76.1

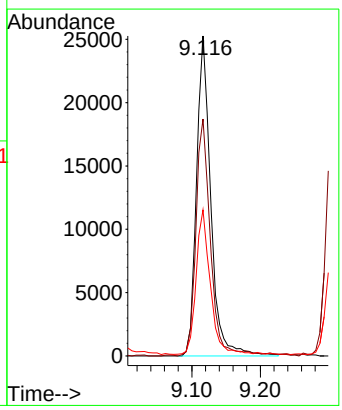


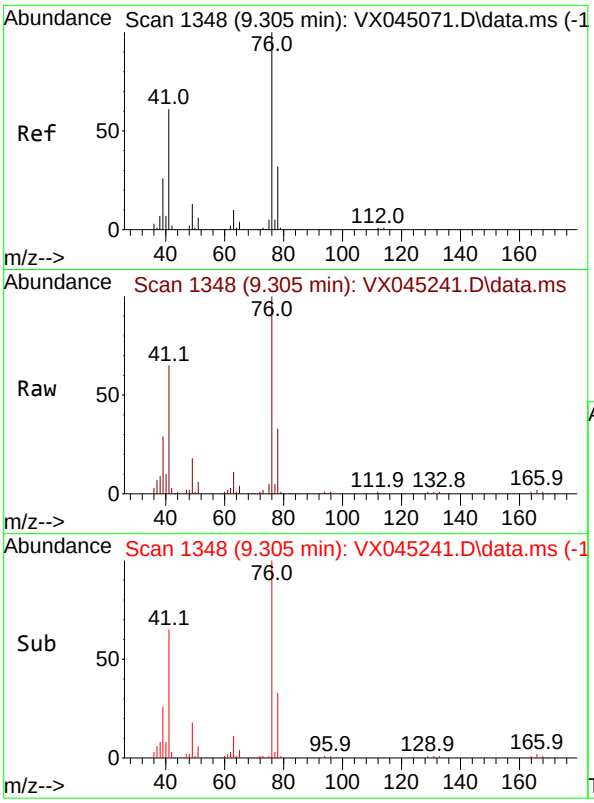


#56
Ethyl methacrylate
Concen: 19.276 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 69 Resp: 36793

Ion	Ratio	Lower	Upper
69	100		
41	75.0	57.0	85.4
39	44.5	34.2	51.4



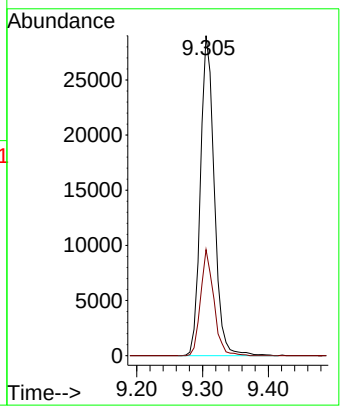


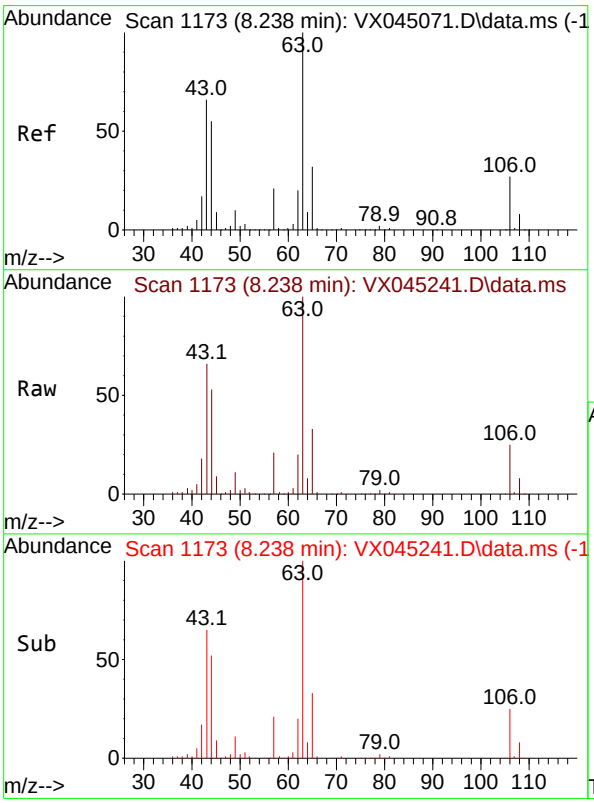
#57
1,3-Dichloropropane
Concen: 19.539 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 76 Resp: 42461

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

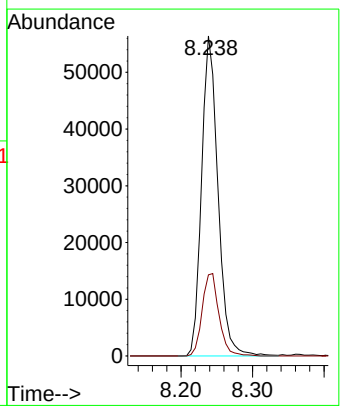


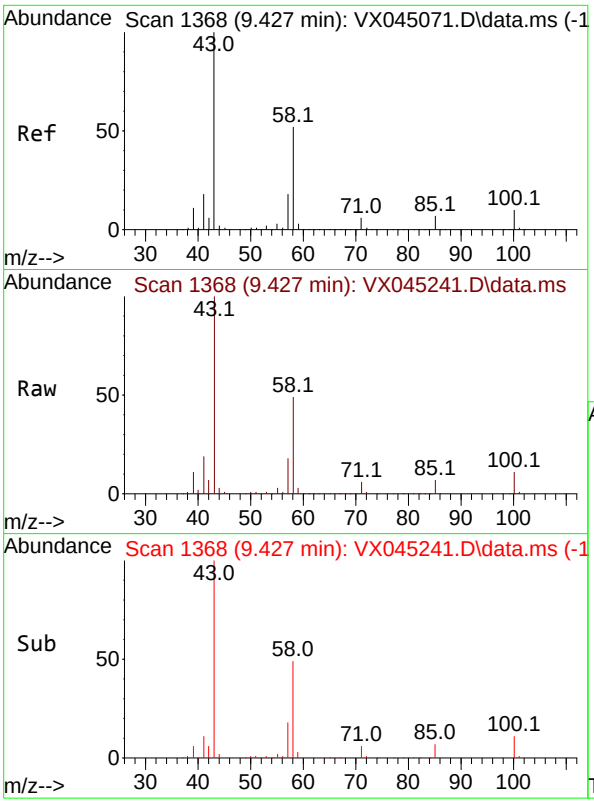


#58
2-Chloroethyl Vinyl ether
Concen: 96.488 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 63 Resp: 89841

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3



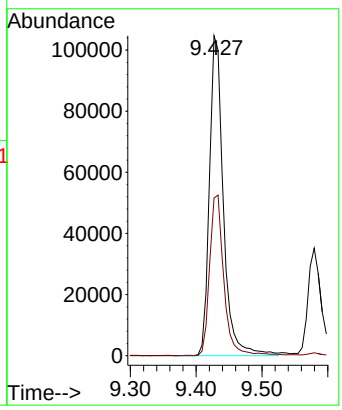


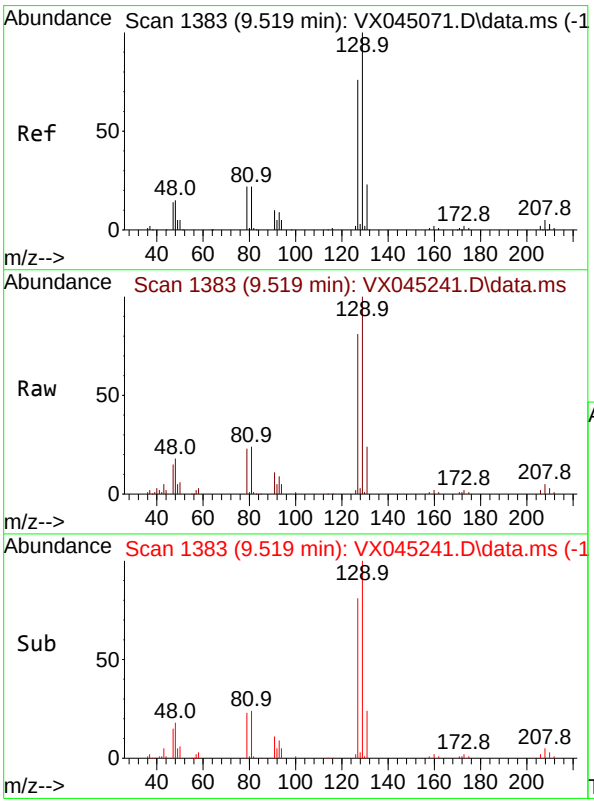
#59
2-Hexanone
Concen: 101.603 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 43 Resp: 155057

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

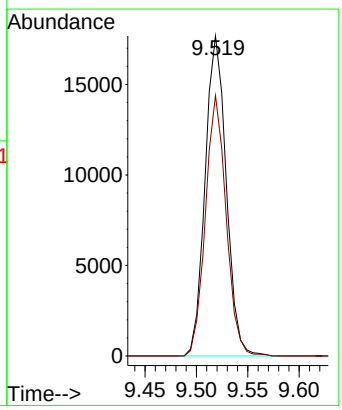


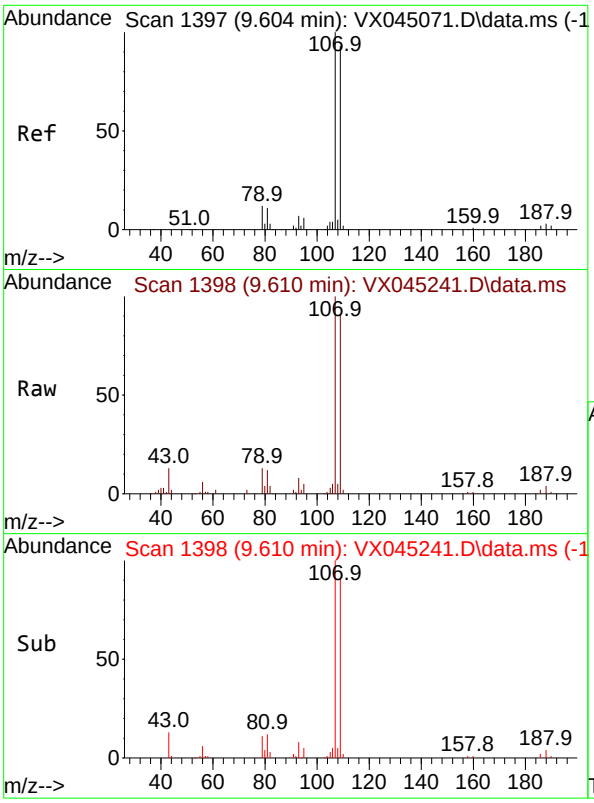


#60
Dibromochloromethane
Concen: 19.279 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:129 Resp: 25313

Ion	Ratio	Lower	Upper
129	100		
127	79.8	38.5	115.5



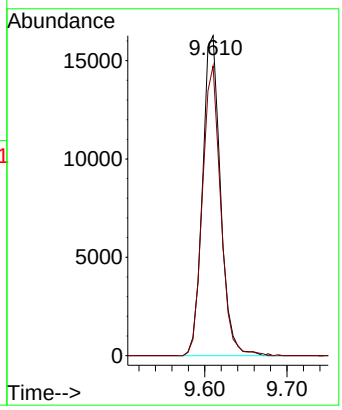


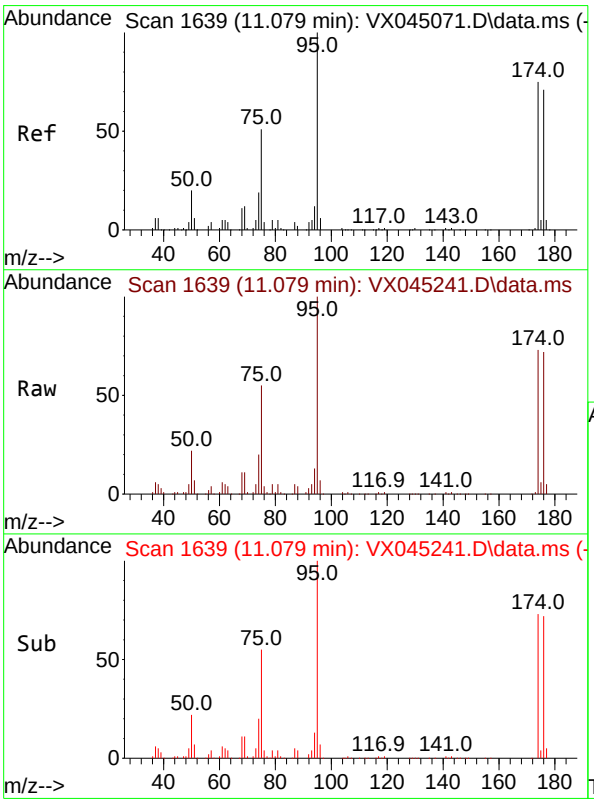
#61
1,2-Dibromoethane
Concen: 19.728 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:107 Resp: 24731

Ion	Ratio	Lower	Upper
107	100		
109	91.7	76.1	114.1

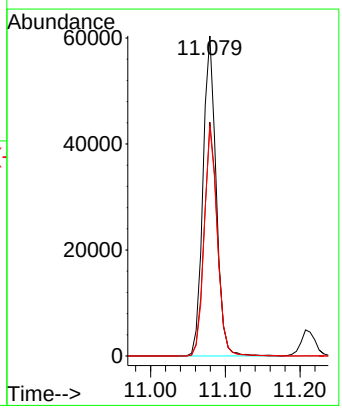


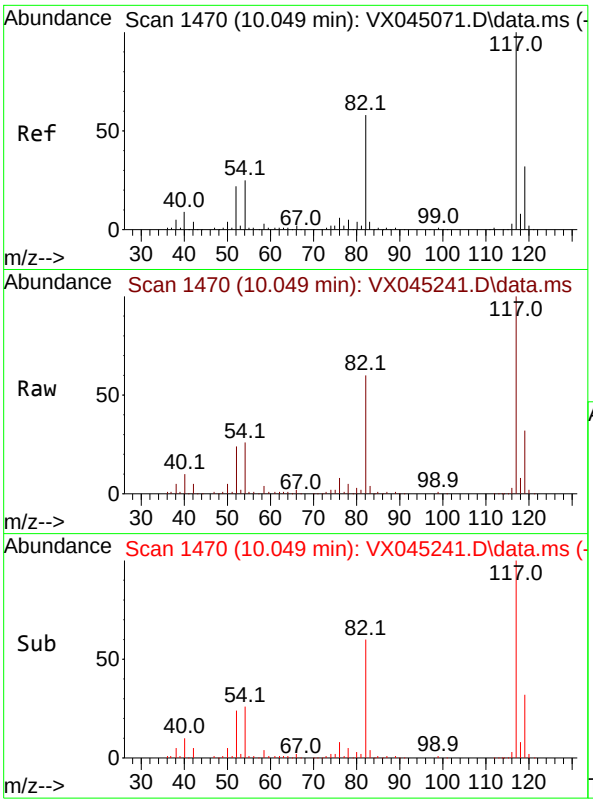


#62
4-Bromofluorobenzene
Concen: 51.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 95 Resp: 73892

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	148.2
176	71.0	0.0	141.4



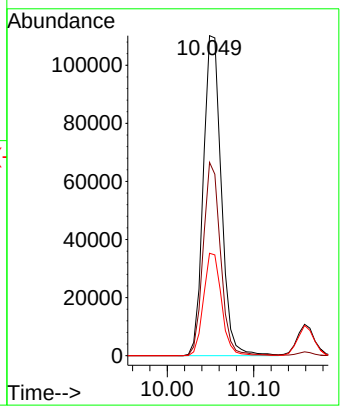


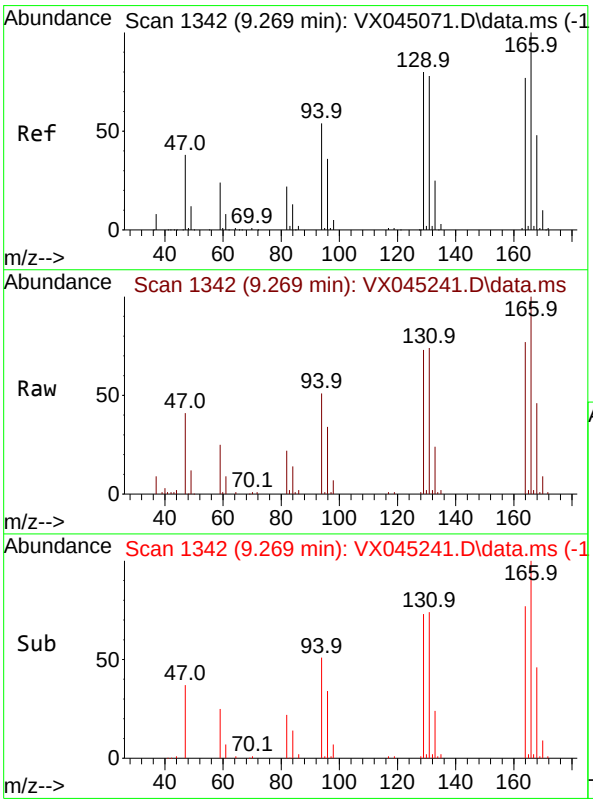
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:117 Resp: 158824

Ion	Ratio	Lower	Upper
117	100		
82	60.4	46.3	69.5
119	32.0	25.7	38.5

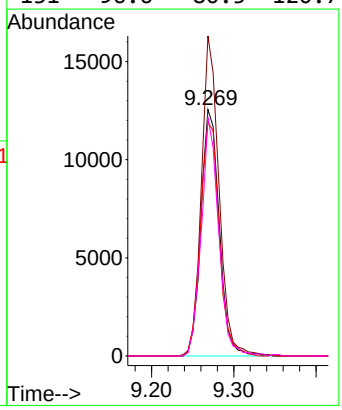


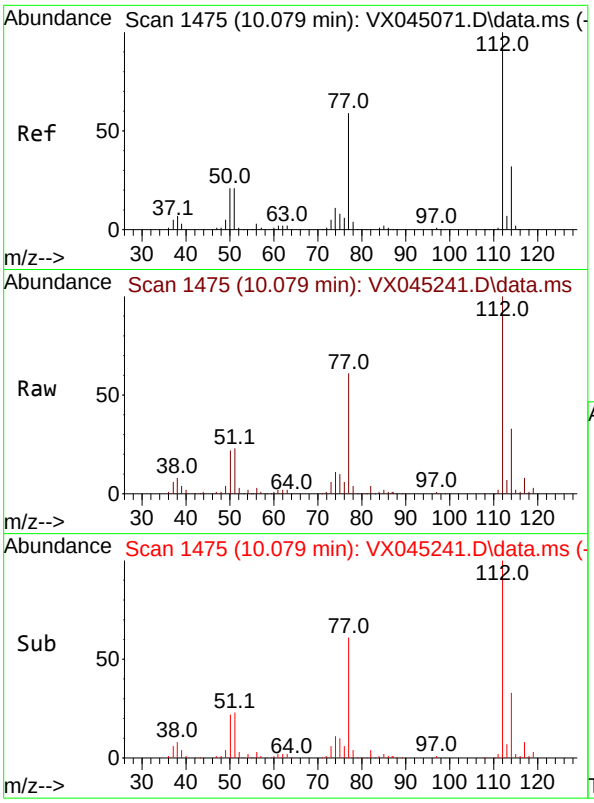


#64
Tetrachloroethene
Concen: 19.107 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:164 Resp: 19436

Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.6	155.4
129	94.9	82.7	124.1
131	96.6	80.5	120.7



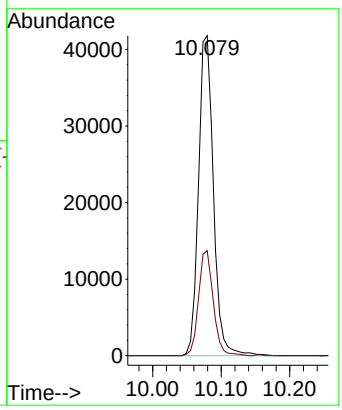


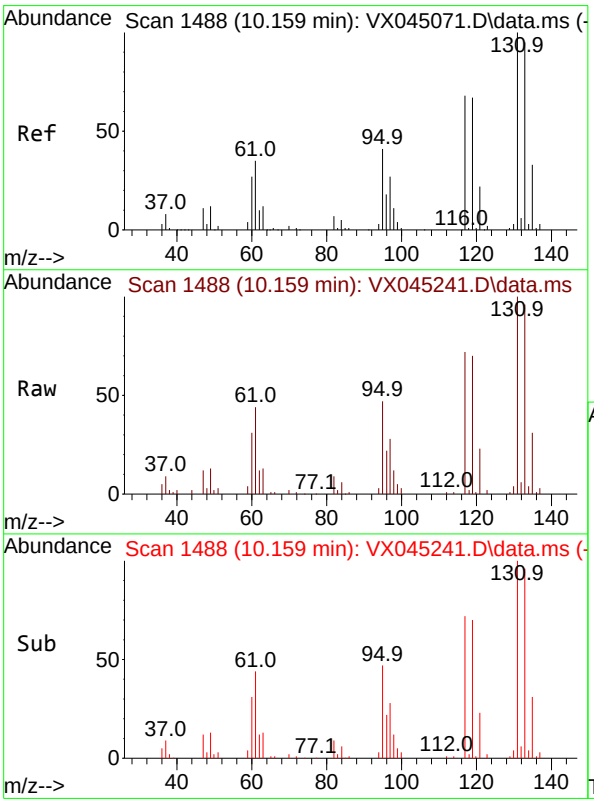
#65
Chlorobenzene
Concen: 18.884 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:112 Resp: 63463

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.0	39.0

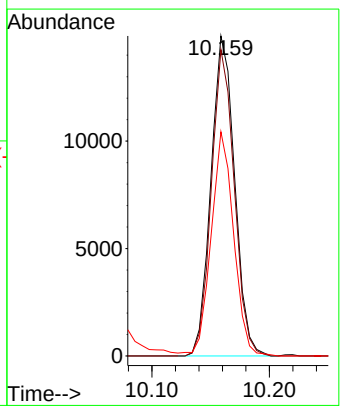


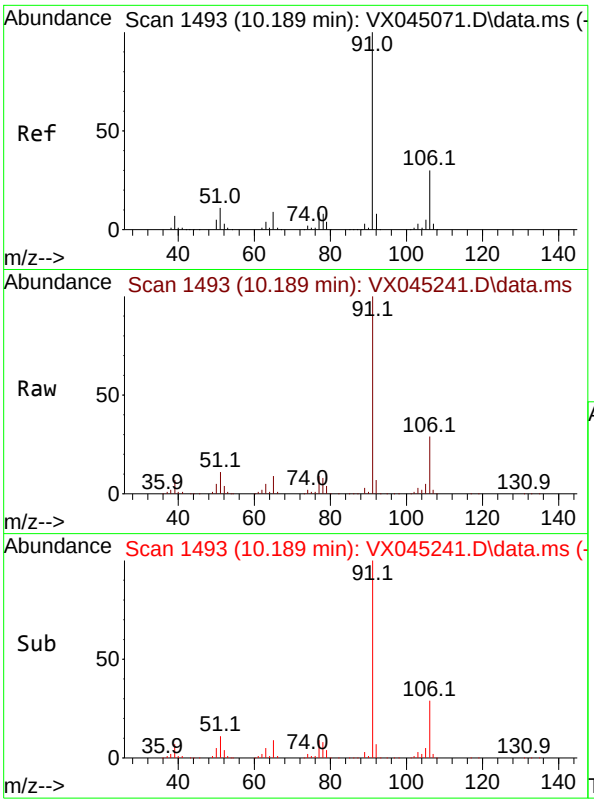


#66
1,1,1,2-Tetrachloroethane
Concen: 18.643 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:131 Resp: 20865

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.6	145.9
119	66.7	33.9	101.7



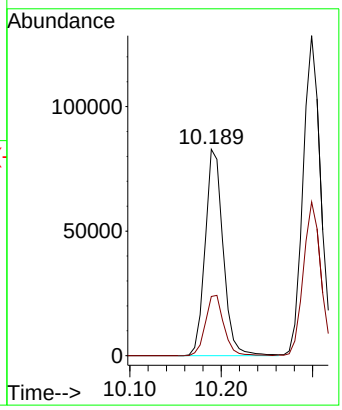


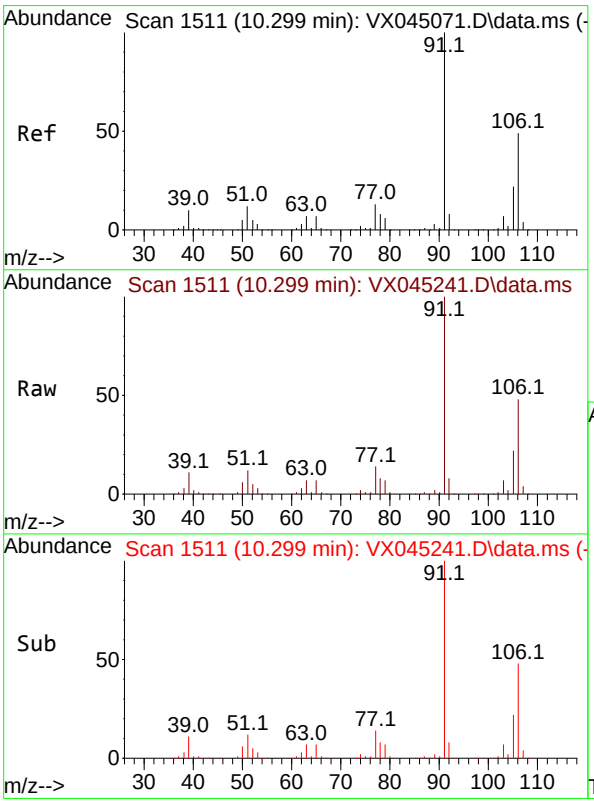
#67
Ethyl Benzene
Concen: 19.324 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 91 Resp: 113155

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.9	35.9

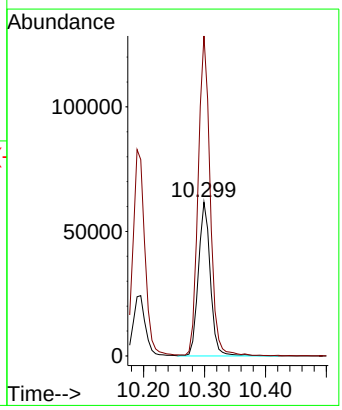


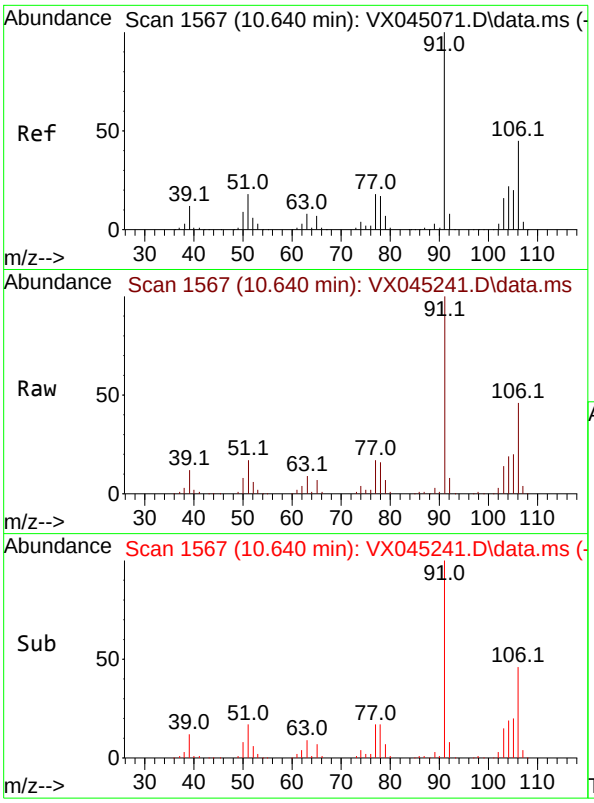


#68
m/p-Xylenes
Concen: 39.325 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:106 Resp: 84300

Ion	Ratio	Lower	Upper
106	100		
91	207.5	165.4	248.0



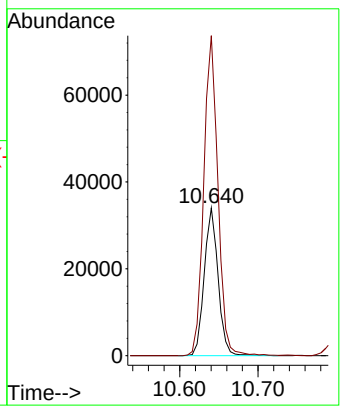


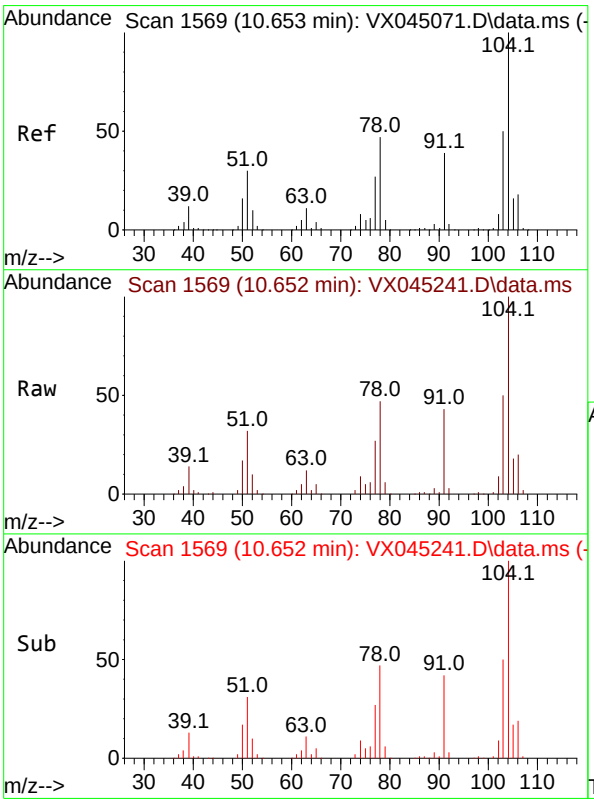
#69
o-Xylene
Concen: 19.261 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:106 Resp: 41642

Ion	Ratio	Lower	Upper
106	100		
91	221.1	109.9	329.6

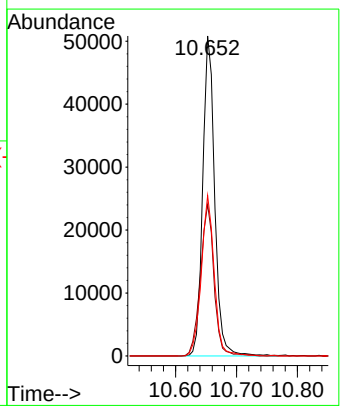


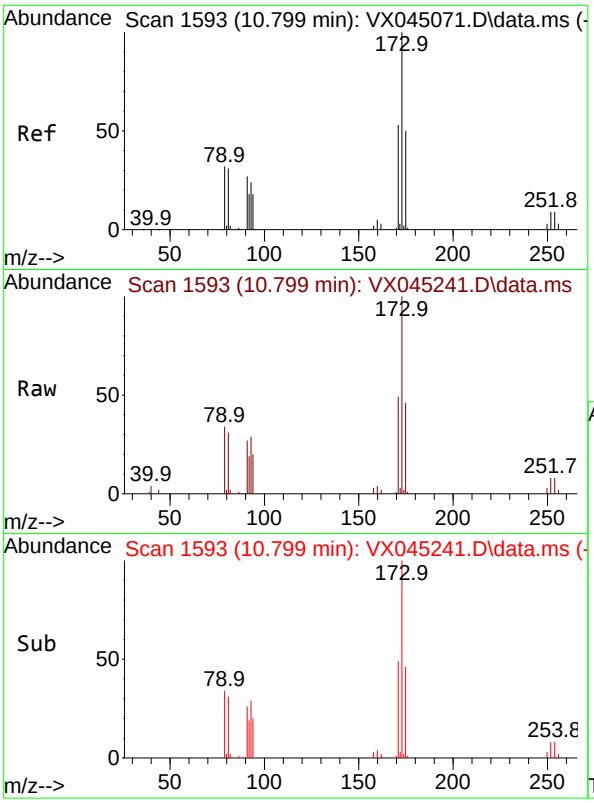


#70
Styrene
Concen: 19.937 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:104 Resp: 69744

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.2	63.4
103	54.1	43.8	65.8



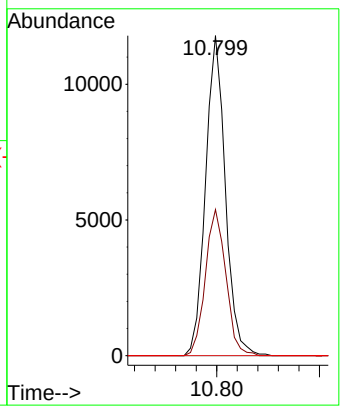


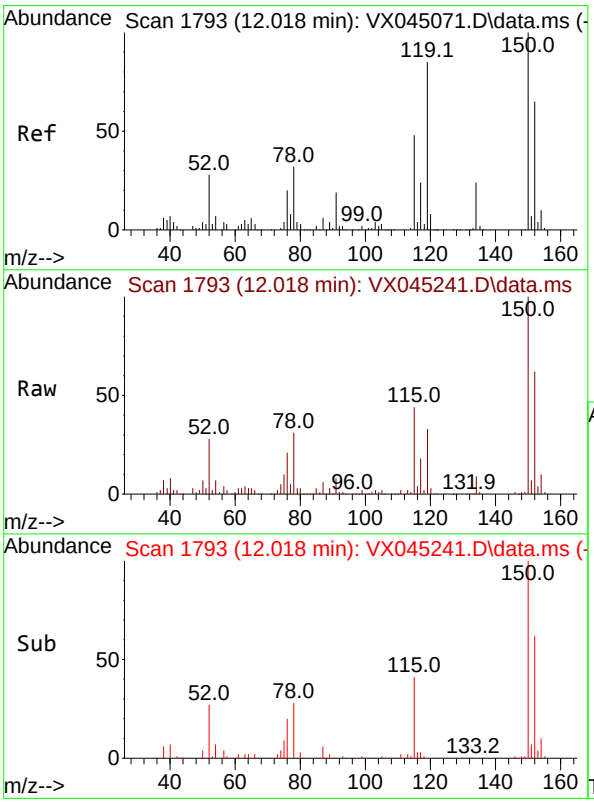
#71
Bromoform
Concen: 18.676 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:173 Resp: 15762

Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.6	73.6
254	0.0	0.0	0.0

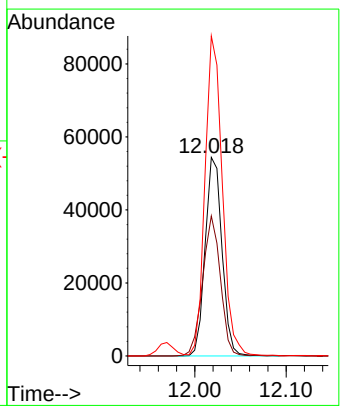


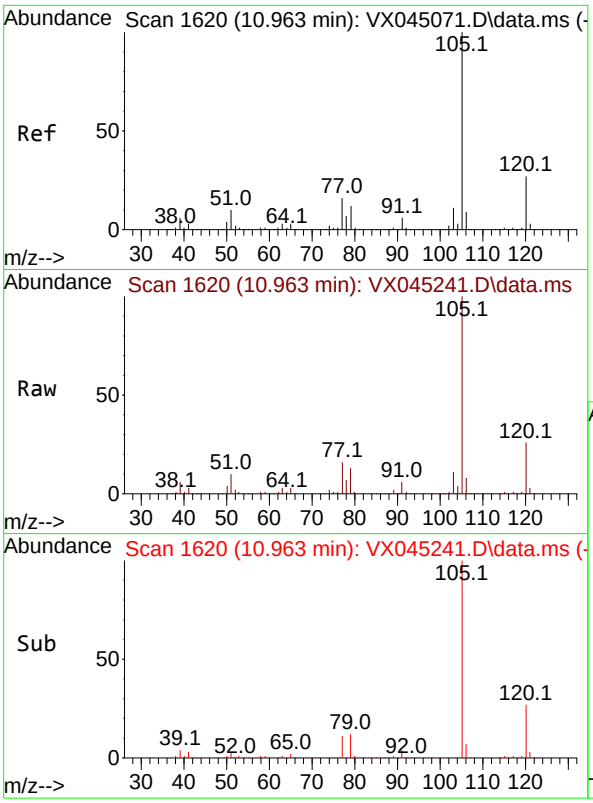


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:152 Resp: 69454

Ion	Ratio	Lower	Upper
152	100		
115	74.4	44.2	132.6
150	165.1	0.0	349.0



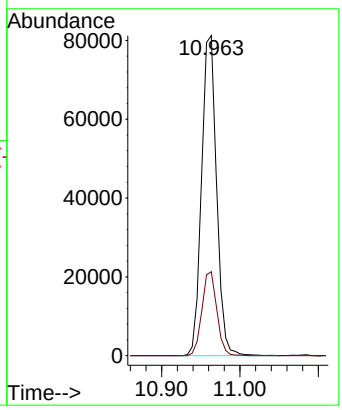


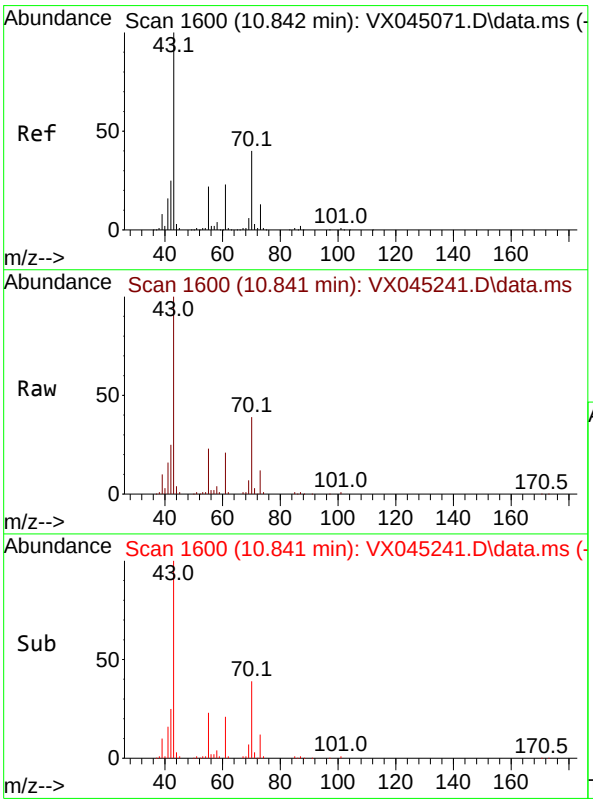
#73
Isopropylbenzene
Concen: 19.957 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:105 Resp: 108190

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

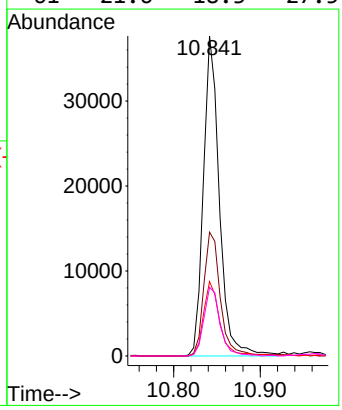


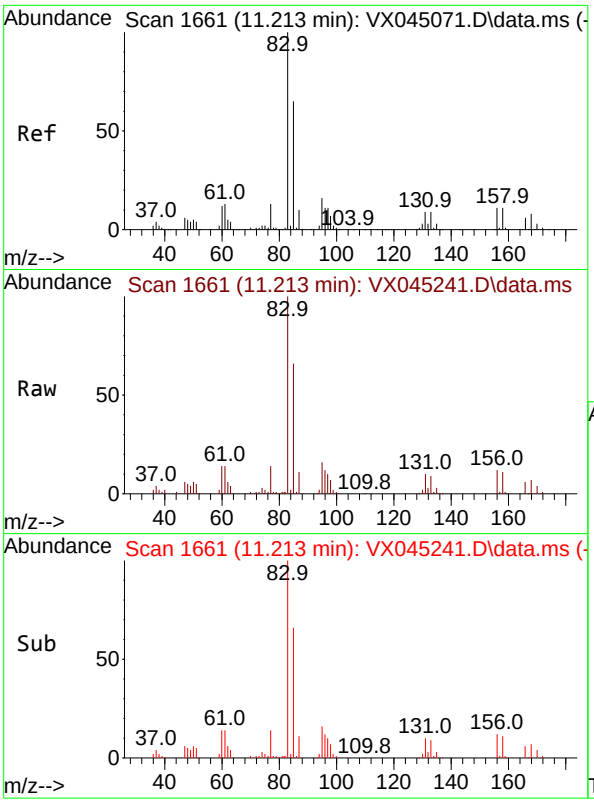


#74
N-amyl acetate
Concen: 18.998 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 43 Resp: 48327

Ion	Ratio	Lower	Upper
43	100		
70	40.6	31.8	47.6
55	24.0	18.3	27.5
61	21.6	18.3	27.5



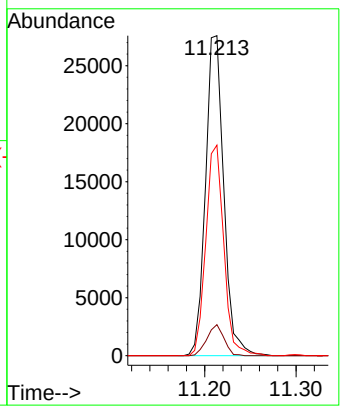


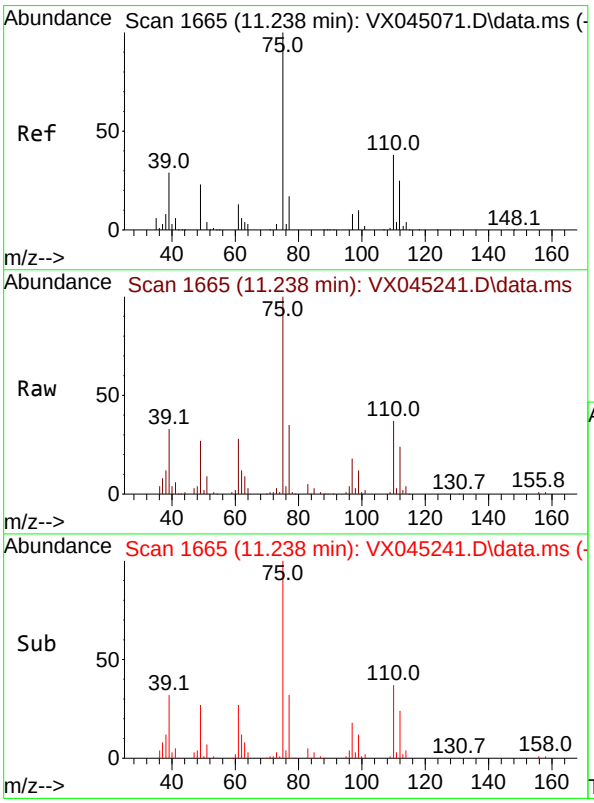
#75
1,1,2,2-Tetrachloroethane
Concen: 19.205 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 83 Resp: 38206

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.7	31.7	95.1

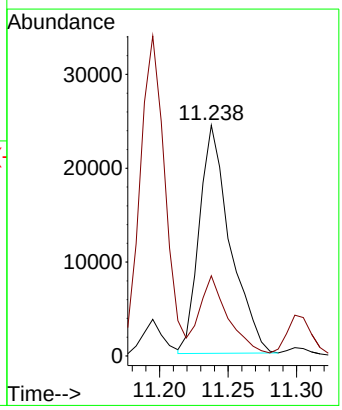


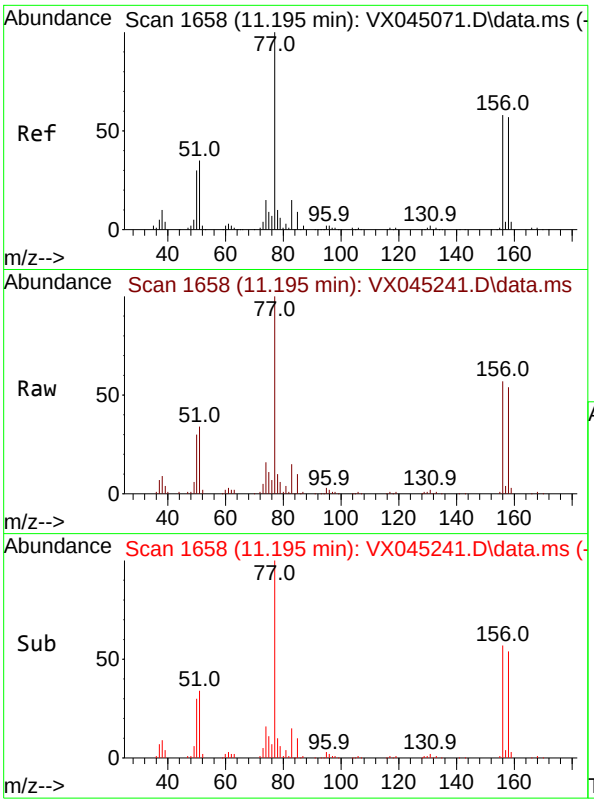


#76
1,2,3-Trichloropropane
Concen: 23.649 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 38230

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



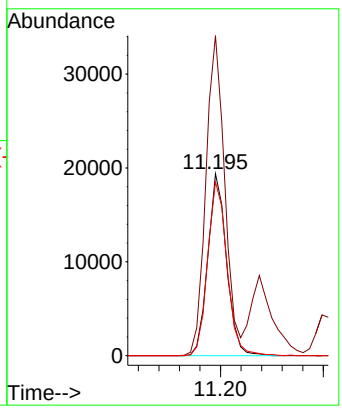


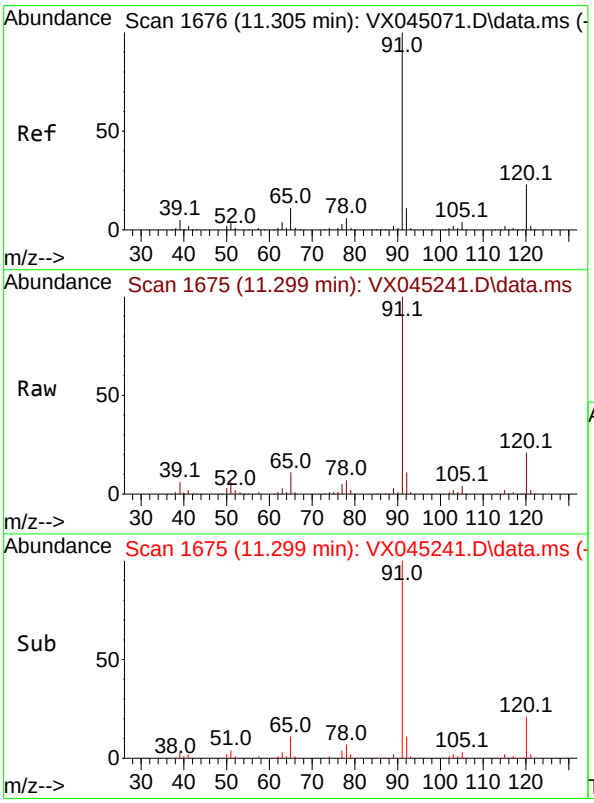
#77
Bromobenzene
Concen: 19.169 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:156 Resp: 24518

Ion	Ratio	Lower	Upper
156	100		
77	177.0	85.8	257.4
158	98.8	48.4	145.2

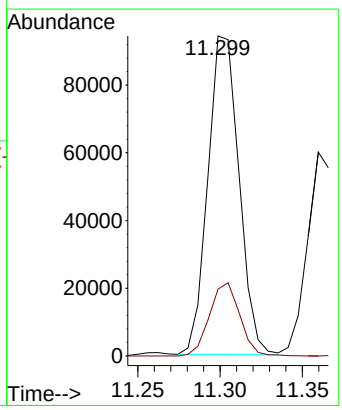


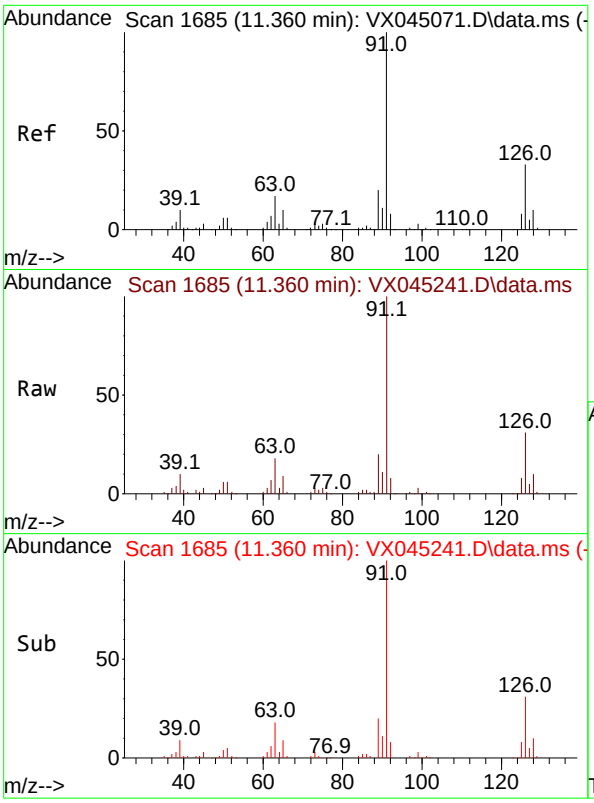


#78
n-propylbenzene
Concen: 20.237 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 91 Resp: 123926

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



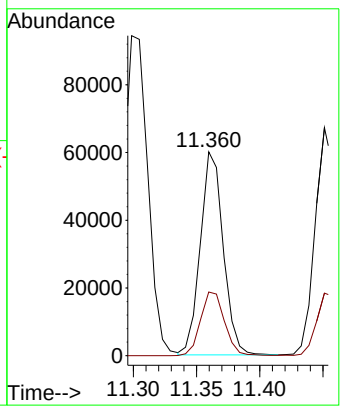


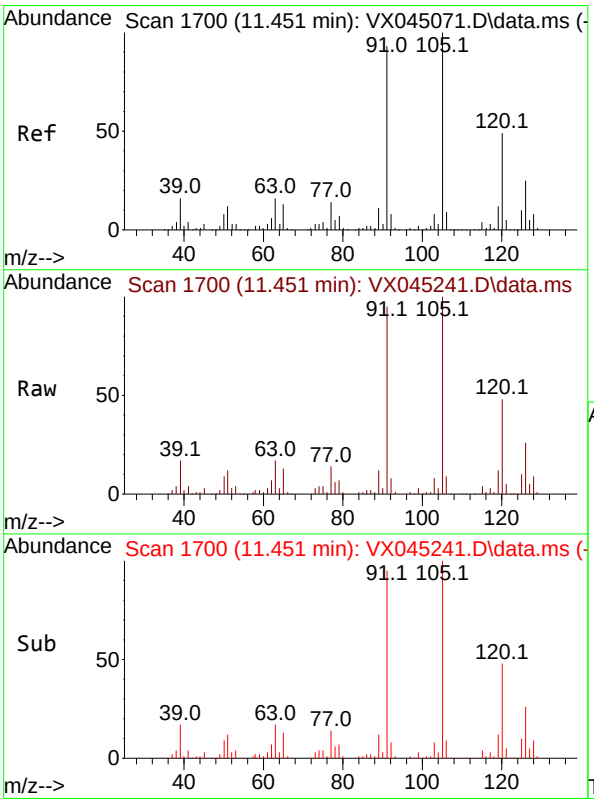
#79
2-Chlorotoluene
Concen: 19.435 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 91 Resp: 75797

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

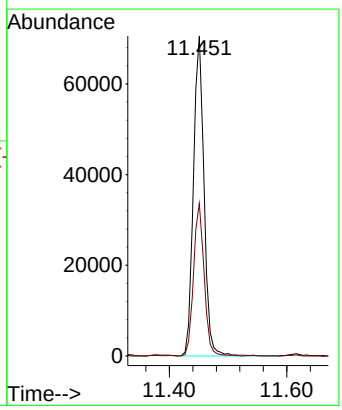


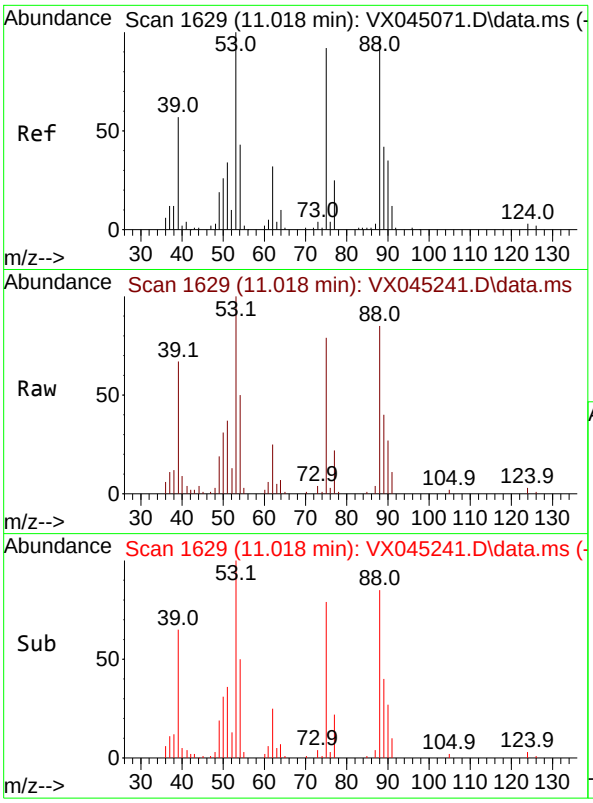


#80
1,3,5-Trimethylbenzene
Concen: 20.229 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:105 Resp: 88673

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2



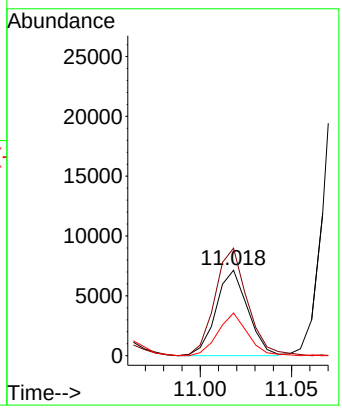


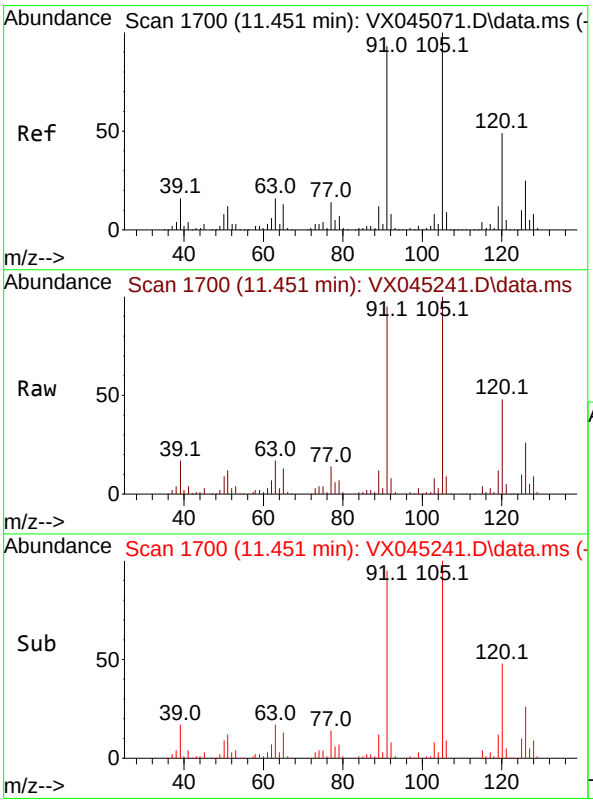
#81
trans-1,4-Dichloro-2-butene
Concen: 18.286 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 75 Resp: 8638

Ion	Ratio	Lower	Upper
75	100		
53	128.7	88.5	132.7
89	46.9	36.2	54.4

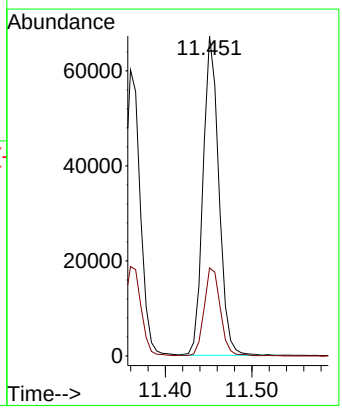


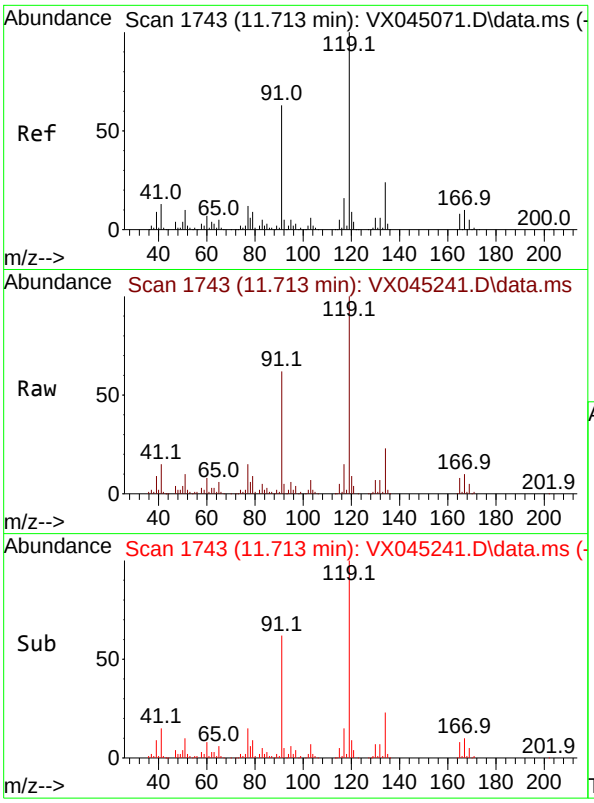


#82
4-Chlorotoluene
Concen: 20.038 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 91 Resp: 85173

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



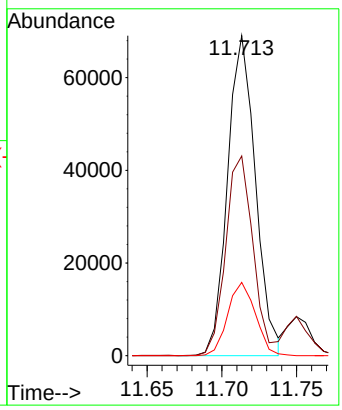


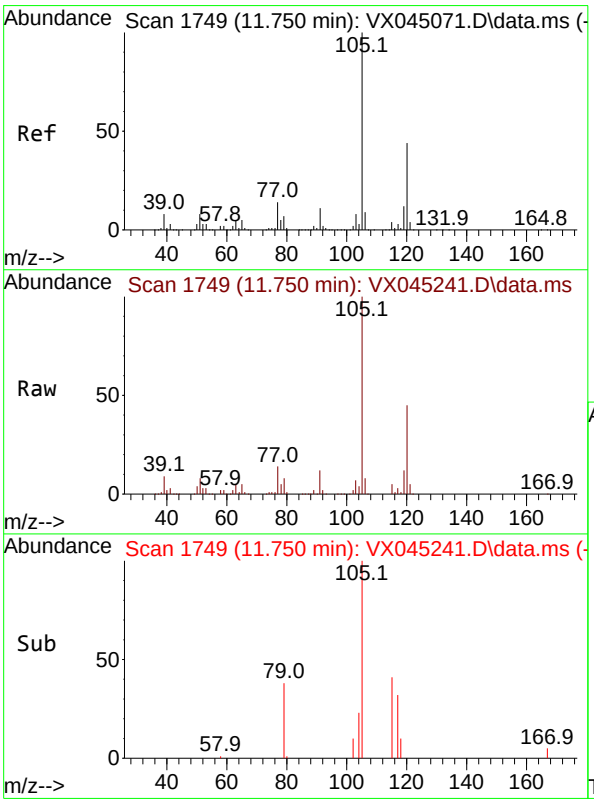
#83
tert-Butylbenzene
Concen: 19.921 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:119 Resp: 89721

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.7	11.7	35.0

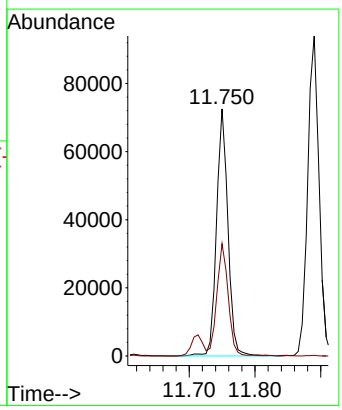


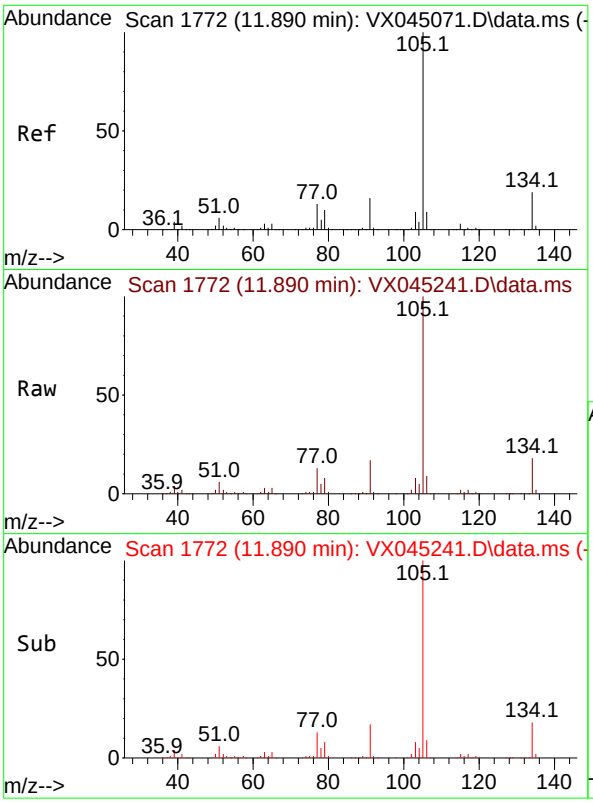


#84
1,2,4-Trimethylbenzene
Concen: 19.837 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:105 Resp: 87493

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.1	66.1



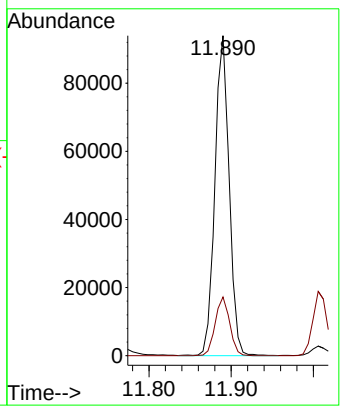


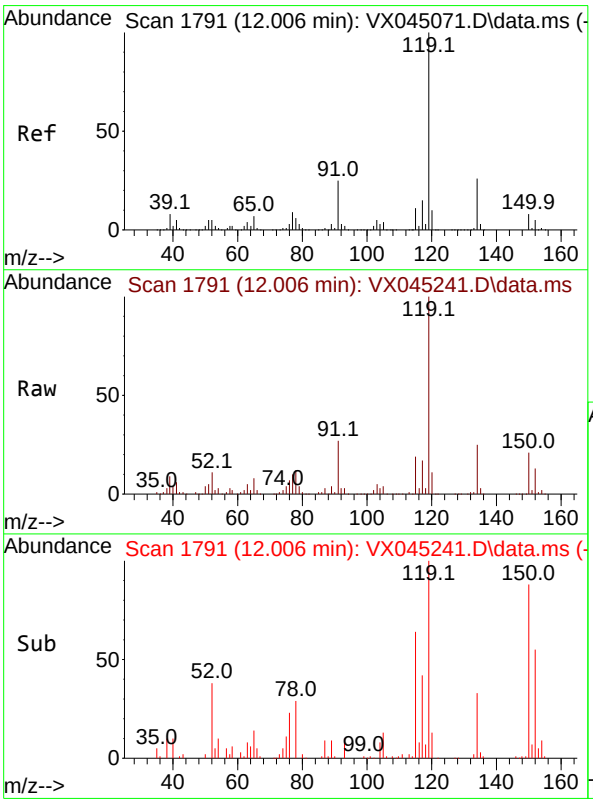
#85
sec-Butylbenzene
Concen: 20.976 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:105 Resp: 113167

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4

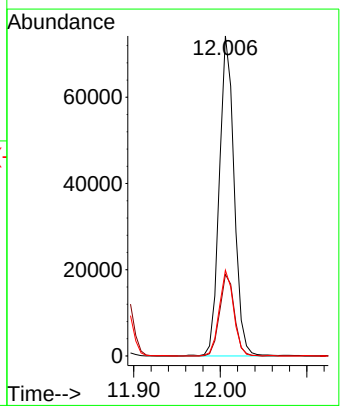


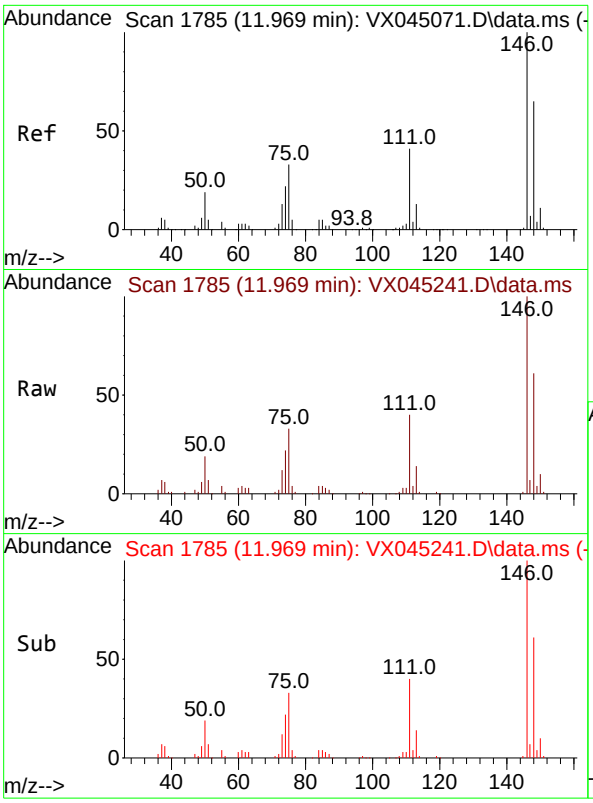


#86
p-Isopropyltoluene
Concen: 20.228 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:119 Resp: 88190

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.0	12.7	38.0



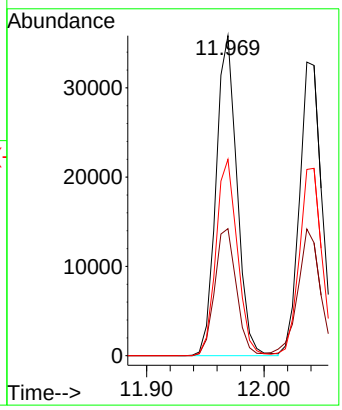


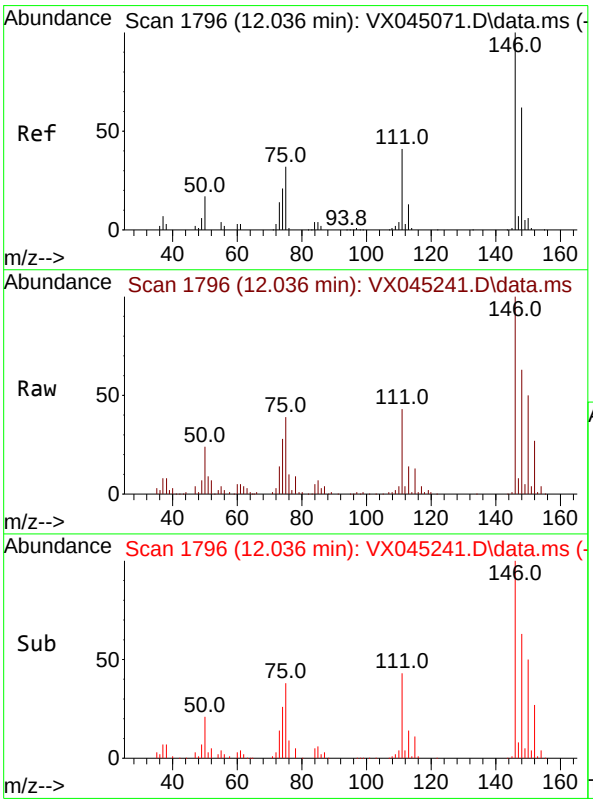
#87
1,3-Dichlorobenzene
Concen: 19.494 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:146 Resp: 44480

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	62.6	31.9	95.7

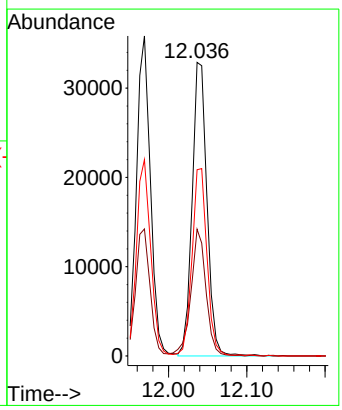


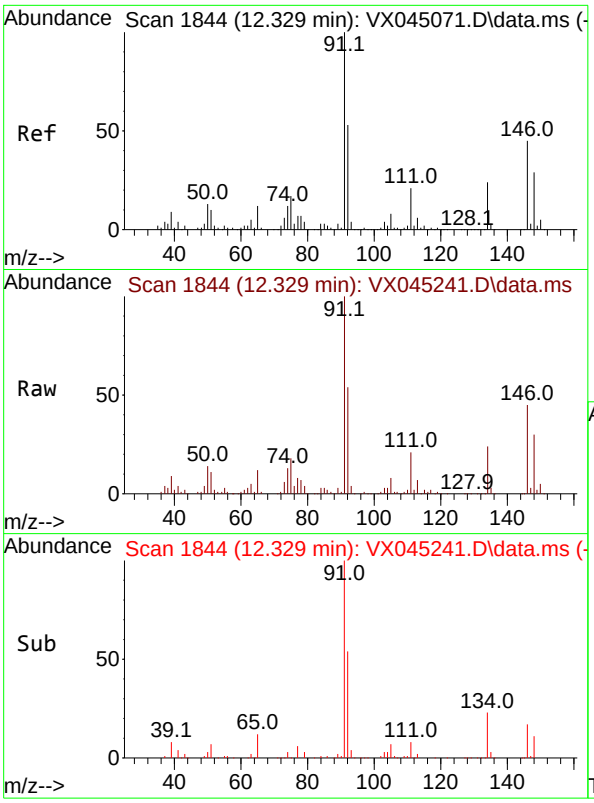


#88
1,4-Dichlorobenzene
Concen: 18.873 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:146 Resp: 43569

Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.2	60.5
148	63.7	31.9	95.9



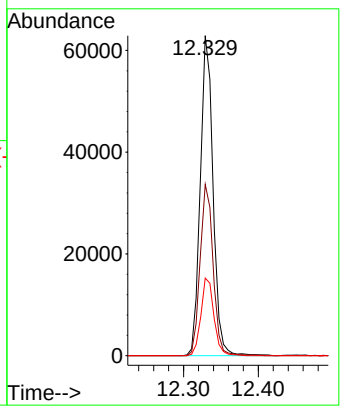


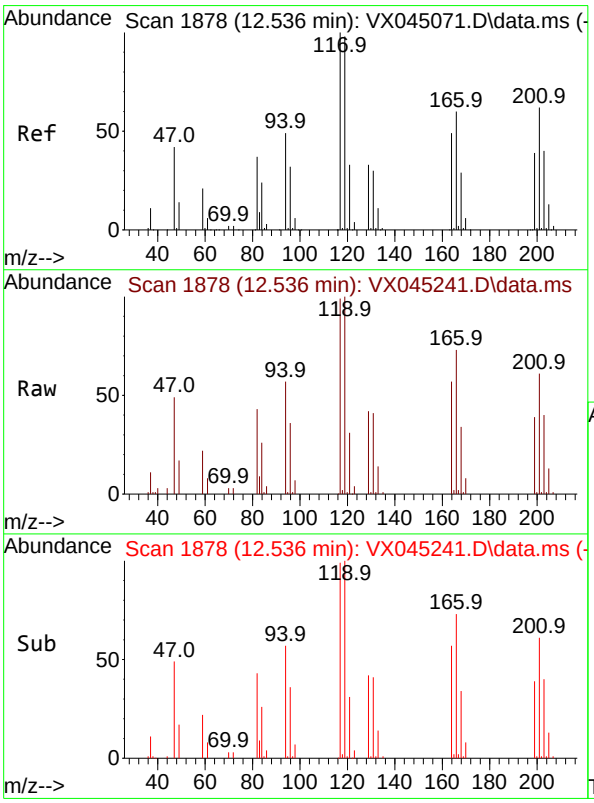
#89
n-Butylbenzene
Concen: 19.890 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion: 91 Resp: 74688

Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.0
134	24.7	12.2	36.6

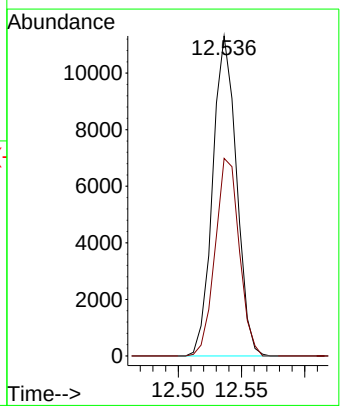


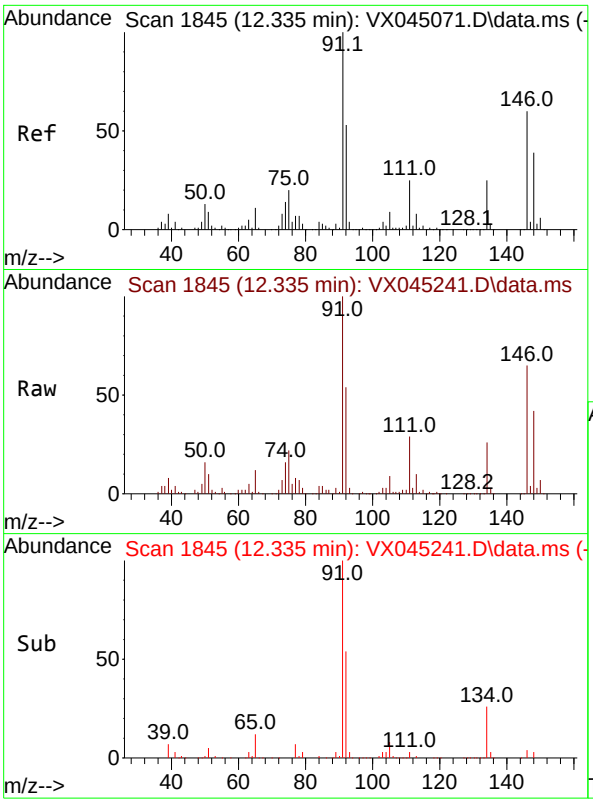


#90
Hexachloroethane
Concen: 18.764 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:117 Resp: 14797

Ion	Ratio	Lower	Upper
117	100		
201	62.5	31.9	95.9



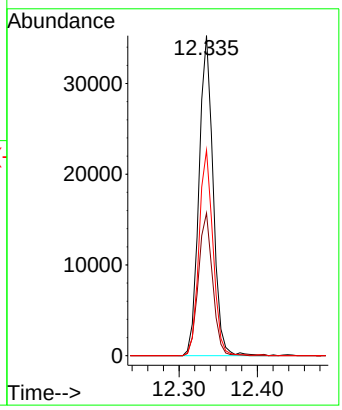


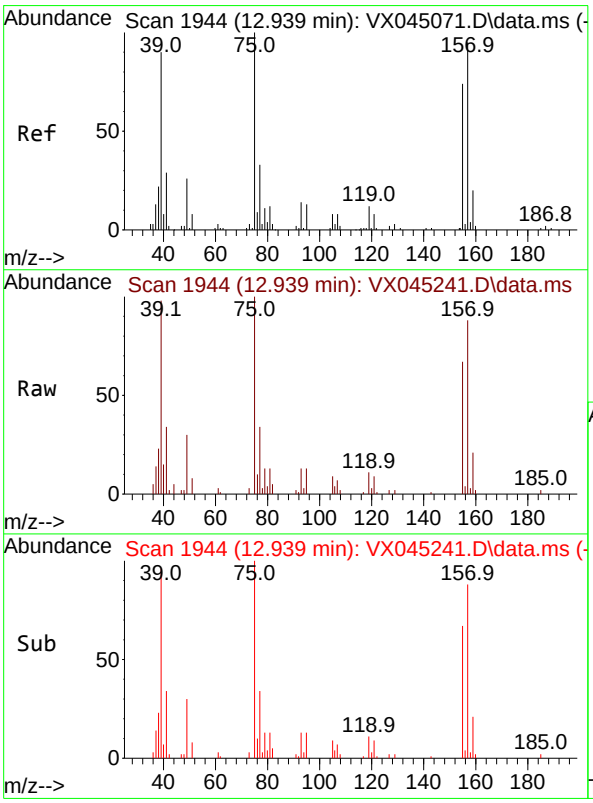
#91
1,2-Dichlorobenzene
Concen: 19.275 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:146 Resp: 44119

Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.6	65.0
148	63.5	31.9	95.9

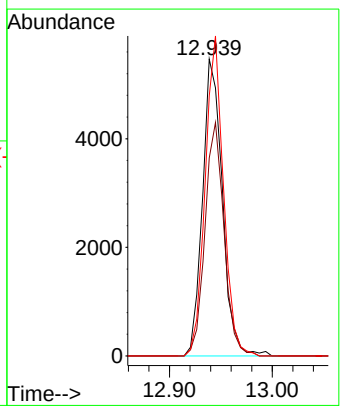


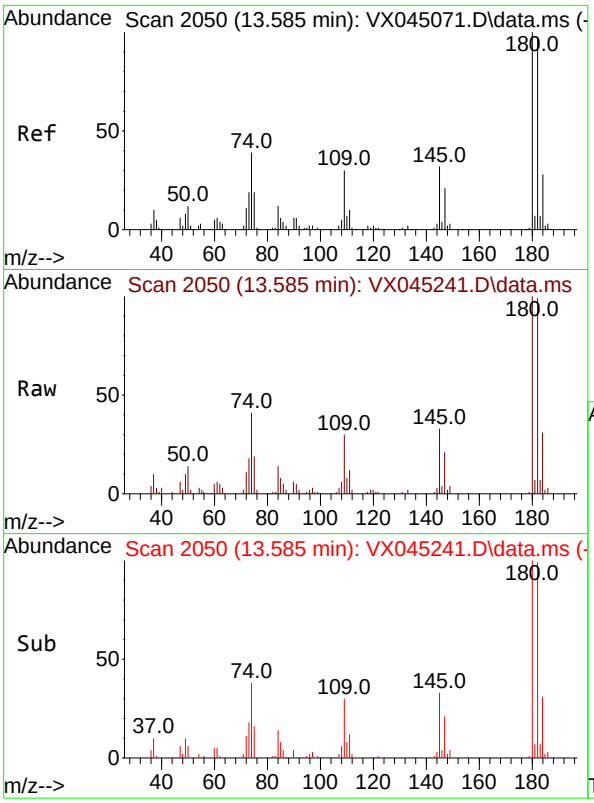


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.947 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion: 75 Resp: 7343

Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.6	118.7
157	99.5	51.1	153.4



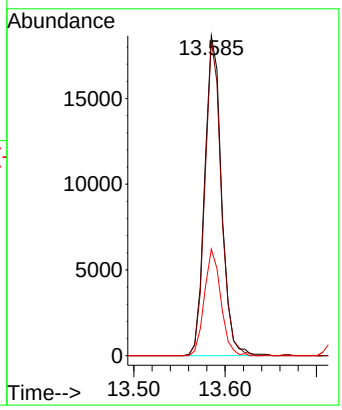


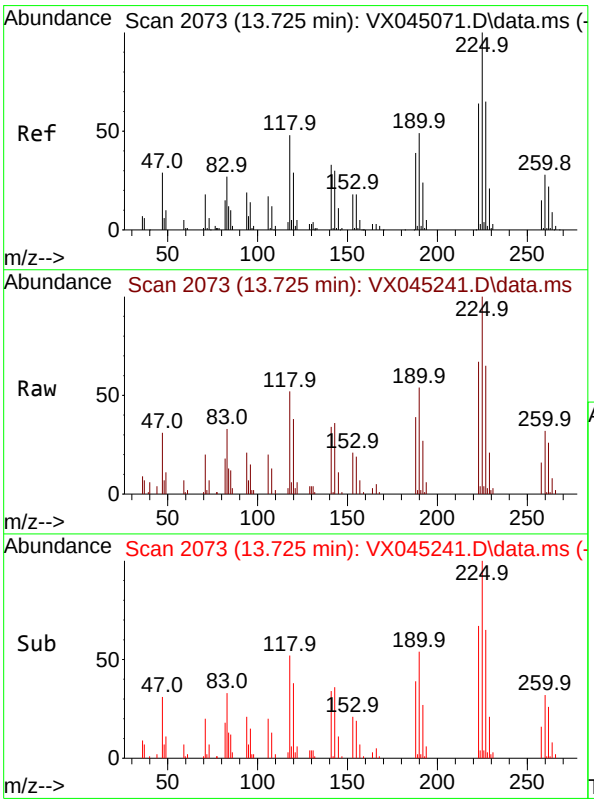
#93
1,2,4-Trichlorobenzene
Concen: 18.237 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:180 Resp: 23769

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	32.6	16.3	48.9

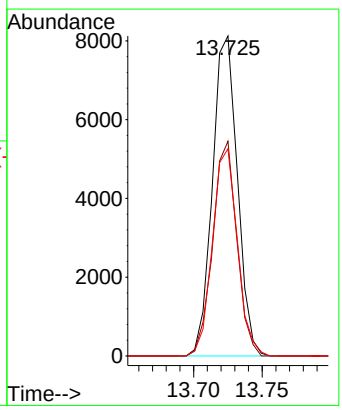


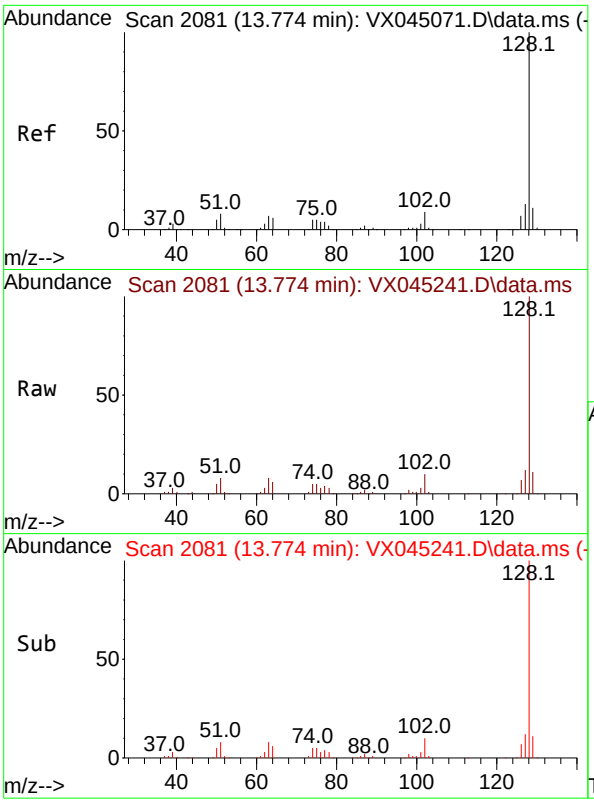


#94
Hexachlorobutadiene
Concen: 19.261 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:225 Resp: 10292

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.9	95.7
227	64.8	31.4	94.0



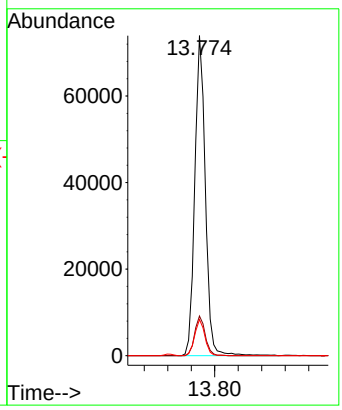


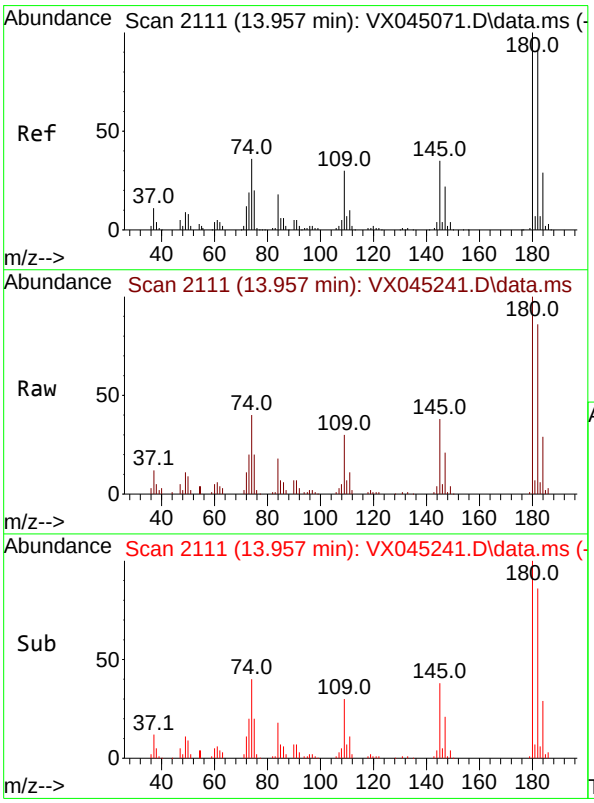
#95
Naphthalene
Concen: 18.401 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tgt Ion:128 Resp: 92143

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1

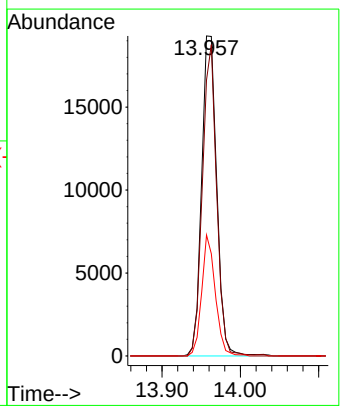




#96
1,2,3-Trichlorobenzene
Concen: 18.764 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045241.D
Acq: 12 Mar 2025 12:12

Tgt Ion:180 Resp: 25800

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73422	50.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.100%			
35) Dibromofluoromethane	5.379	113	53880	49.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	195097	49.747	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	11.079	95	69972	53.843	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	20755	17.877	ug/l	97
3) Chloromethane	1.307	50	24592	17.309	ug/l	97
4) Vinyl Chloride	1.374	62	22836	16.202	ug/l	100
5) Bromomethane	1.593	94	10126	18.276	ug/l	99
6) Chloroethane	1.660	64	12779	19.657	ug/l	95
7) Trichlorofluoromethane	1.867	101	33974	18.209	ug/l	97
8) Diethyl Ether	2.130	74	12211	16.732	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	21220	19.796	ug/l	99
10) Methyl Iodide	2.441	142	24876	18.570	ug/l	98
11) Tert butyl alcohol	2.983	59	21060	75.787	ug/l	98
12) 1,1-Dichloroethene	2.306	96	20406	18.006	ug/l	99
13) Acrolein	2.233	56	22172	69.023	ug/l	100
14) Allyl chloride	2.654	41	38311	18.991	ug/l	99
15) Acrylonitrile	3.062	53	72265	97.031	ug/l	100
16) Acetone	2.386	43	62567	91.920	ug/l	97
17) Carbon Disulfide	2.501	76	45065	14.929	ug/l	97
18) Methyl Acetate	2.703	43	36210	22.113	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71785	18.880	ug/l	98
20) Methylene Chloride	2.782	84	24658	18.288	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	20073	17.928	ug/l	98
22) Diisopropyl ether	3.757	45	78233	19.068	ug/l #	82
23) Vinyl Acetate	3.721	43	326230	95.283	ug/l	99
24) 1,1-Dichloroethane	3.599	63	42368	18.426	ug/l	99
25) 2-Butanone	4.556	43	100153	97.751	ug/l	100
26) 2,2-Dichloropropane	4.471	77	26636	24.697	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	25820	18.681	ug/l	95
28) Bromochloromethane	4.891	49	22235	20.288	ug/l	98
29) Tetrahydrofuran	5.007	42	65451	95.125	ug/l	98
30) Chloroform	5.086	83	43024	18.832	ug/l	99
31) Cyclohexane	5.464	56	35812	17.942	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	34912	18.920	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28290	19.069	ug/l	100
37) Ethyl Acetate	4.715	43	35377	18.506	ug/l	98
38) Carbon Tetrachloride	5.672	117	28811	19.129	ug/l	97
39) Methylcyclohexane	7.373	83	35429	19.931	ug/l	97
40) Benzene	6.031	78	89979	19.207	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20678	20.005	ug/l		97
42) 1,2-Dichloroethane	6.080	62	33037	19.584	ug/l		98
43) Isopropyl Acetate	6.342	43	57228	20.245	ug/l		99
44) Trichloroethene	7.123	130	20872	18.975	ug/l		93
45) 1,2-Dichloropropane	7.427	63	23304	19.348	ug/l		98
46) Dibromomethane	7.580	93	17601	20.675	ug/l		95
47) Bromodichloromethane	7.818	83	33320	19.954	ug/l		99
48) Methyl methacrylate	7.690	41	28608	20.173	ug/l		97
49) 1,4-Dioxane	7.665	88	10713	358.121	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	202750	106.822	ug/l		100
52) Toluene	8.714	92	54775	19.928	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	27114	19.422	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	32101	19.719	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	22184	19.605	ug/l		97
56) Ethyl methacrylate	9.116	69	34777	20.219	ug/l		96
57) 1,3-Dichloropropane	9.305	76	39515	20.179	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	83766	99.837	ug/l		99
59) 2-Hexanone	9.427	43	148797	108.201	ug/l		98
60) Dibromochloromethane	9.519	129	23484	19.849	ug/l		97
61) 1,2-Dibromoethane	9.610	107	22888	20.262	ug/l		97
64) Tetrachloroethene	9.269	164	17650	18.769	ug/l		94
65) Chlorobenzene	10.073	112	60427	19.450	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	19436	18.785	ug/l		97
67) Ethyl Benzene	10.189	91	103845	19.183	ug/l		98
68) m/p-Xylenes	10.299	106	77745	39.231	ug/l		99
69) o-Xylene	10.640	106	38461	19.243	ug/l		99
70) Styrene	10.652	104	65215	20.165	ug/l		99
71) Bromoform	10.799	173	15203	19.486	ug/l	#	99
73) Isopropylbenzene	10.957	105	100711	19.029	ug/l		99
74) N-amyl acetate	10.841	43	47380	19.079	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37293	19.202	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	38086	24.133	ug/l		85
77) Bromobenzene	11.195	156	23439	18.771	ug/l		98
78) n-propylbenzene	11.305	91	116384	19.467	ug/l		98
79) 2-Chlorotoluene	11.360	91	72340	18.999	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83574	19.530	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8254	17.898	ug/l		84
82) 4-Chlorotoluene	11.451	91	81530	19.647	ug/l		98
83) tert-Butylbenzene	11.713	119	84095	19.126	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	84235	19.563	ug/l		99
85) sec-Butylbenzene	11.890	105	105696	20.068	ug/l		98
86) p-Isopropyltoluene	12.006	119	86171	20.245	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	42891	19.254	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	42057	18.661	ug/l		98
89) n-Butylbenzene	12.329	91	73449	20.035	ug/l		100
90) Hexachloroethane	12.536	117	13431	17.445	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	43417	19.429	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6992	18.480	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	24458	19.222	ug/l		100
94) Hexachlorobutadiene	13.725	225	9972	19.116	ug/l		97
95) Naphthalene	13.774	128	91799	18.778	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	25071	18.677	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

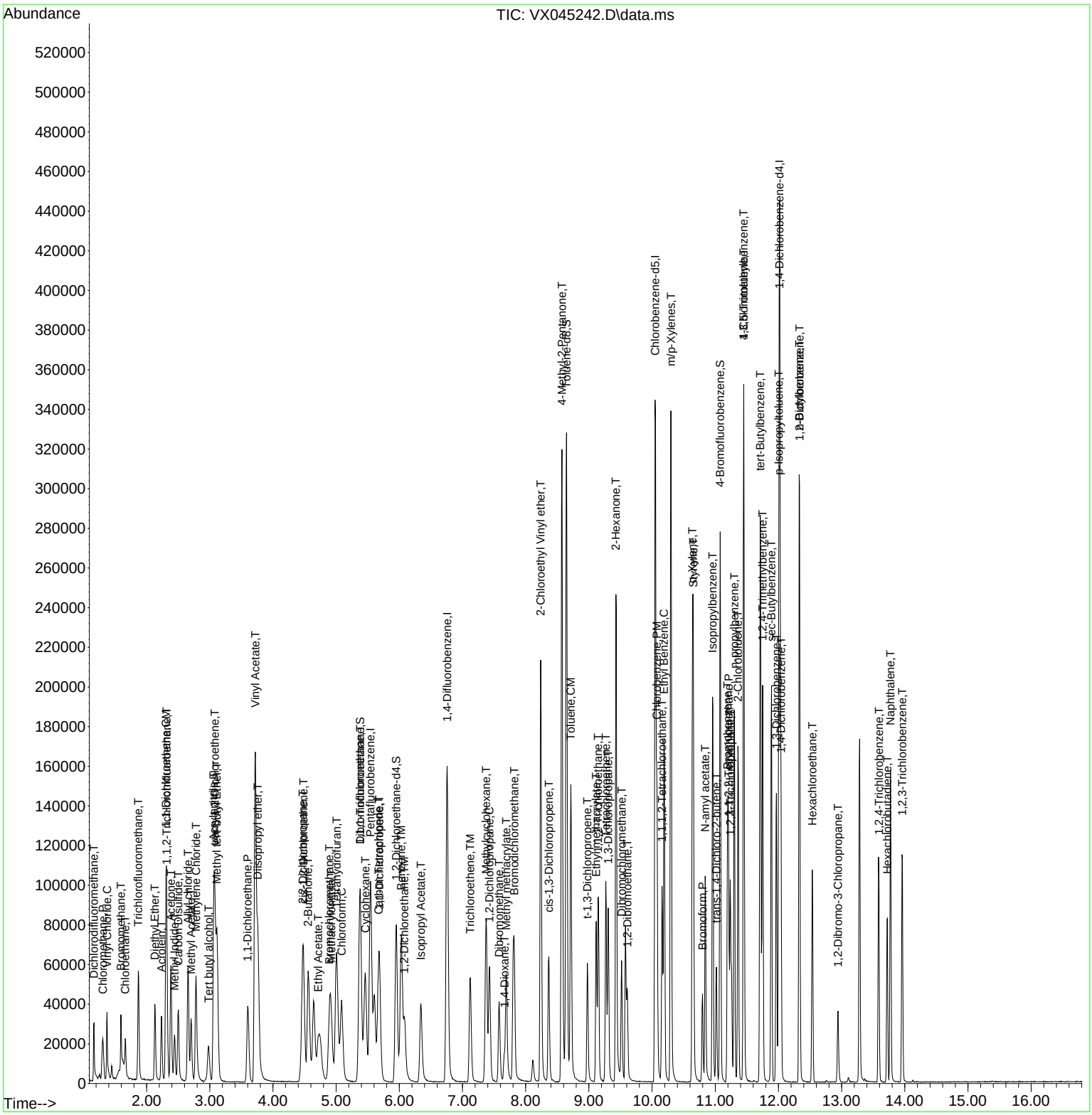
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

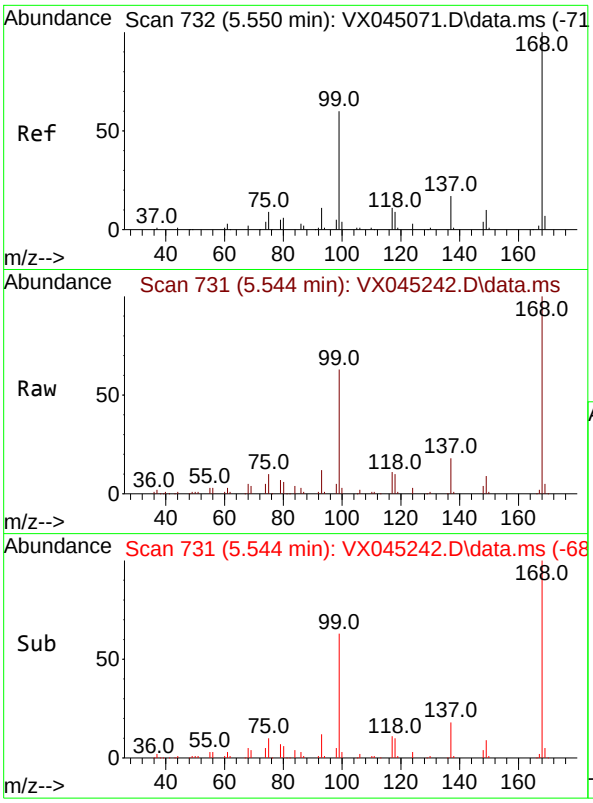
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045242.D
Acq On : 12 Mar 2025 12:38
Operator : JC/MD
Sample : VX0312WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Quant Time: Mar 13 01:39:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



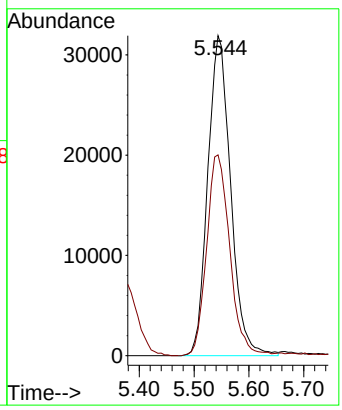


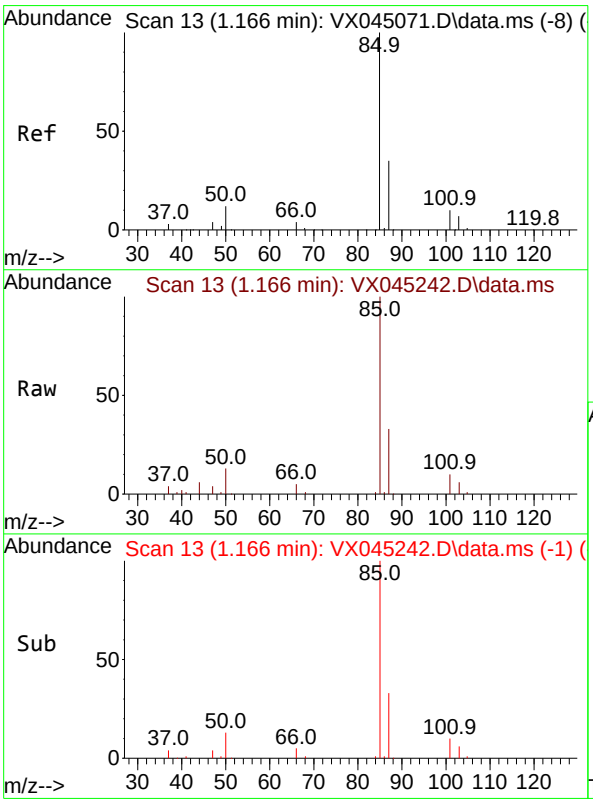
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:168 Resp: 92230

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.2	72.4

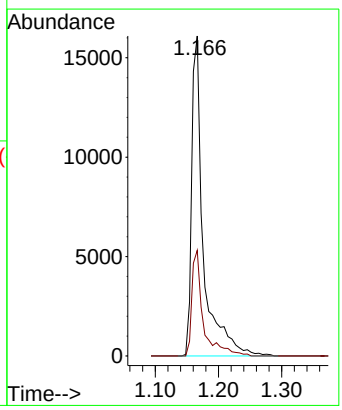


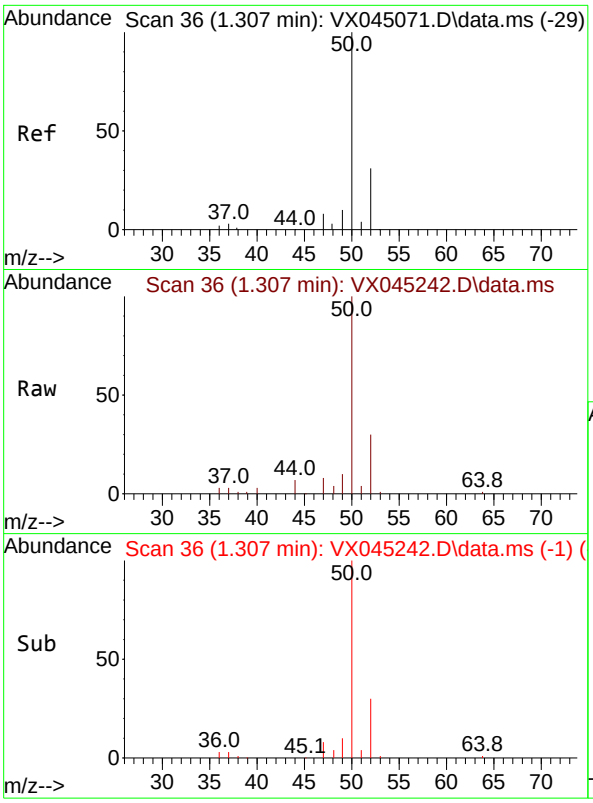


#2
Dichlorodifluoromethane
Concen: 17.877 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 85 Resp: 20755

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3



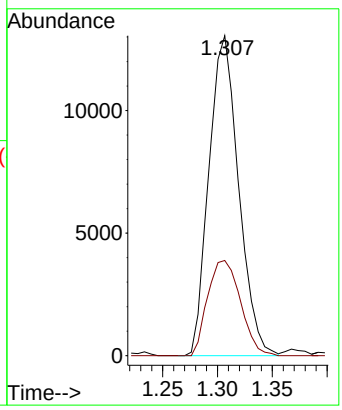


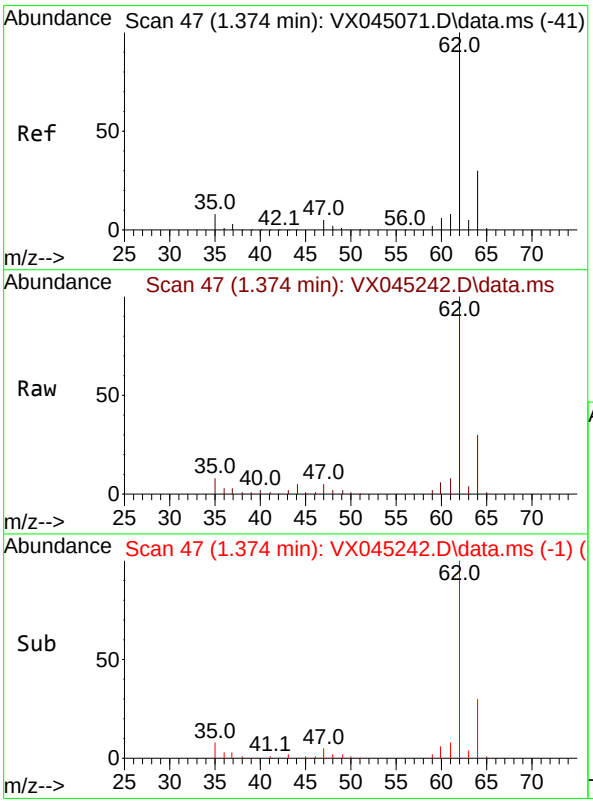
#3
Chloromethane
Concen: 17.309 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 50 Resp: 24592

Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.0	37.4

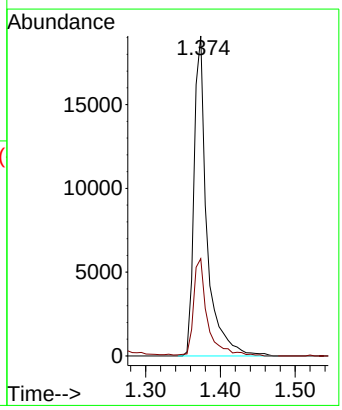


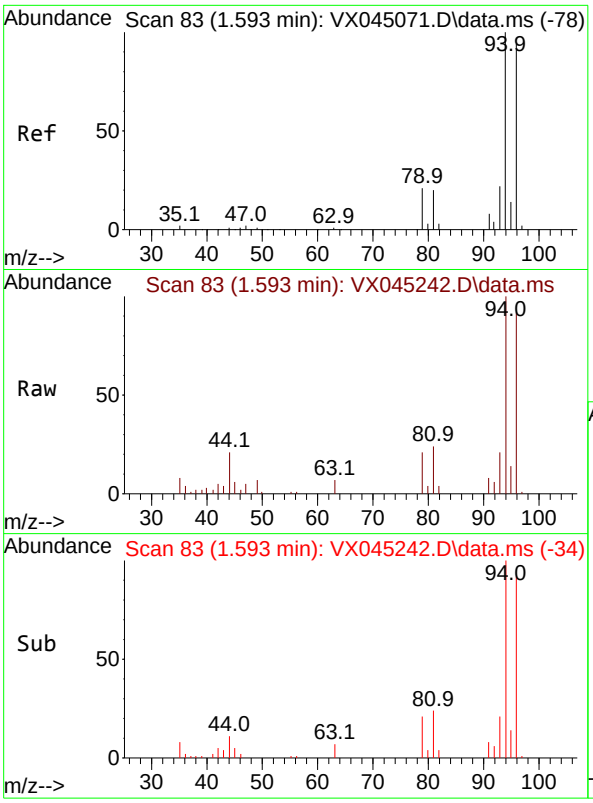


#4
Vinyl Chloride
Concen: 16.202 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 62 Resp: 22836

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



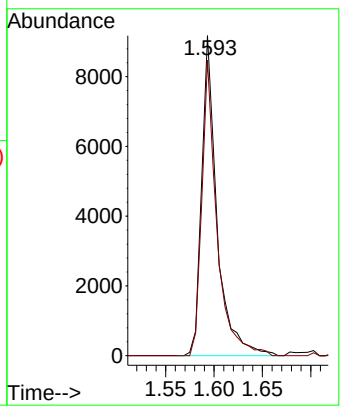


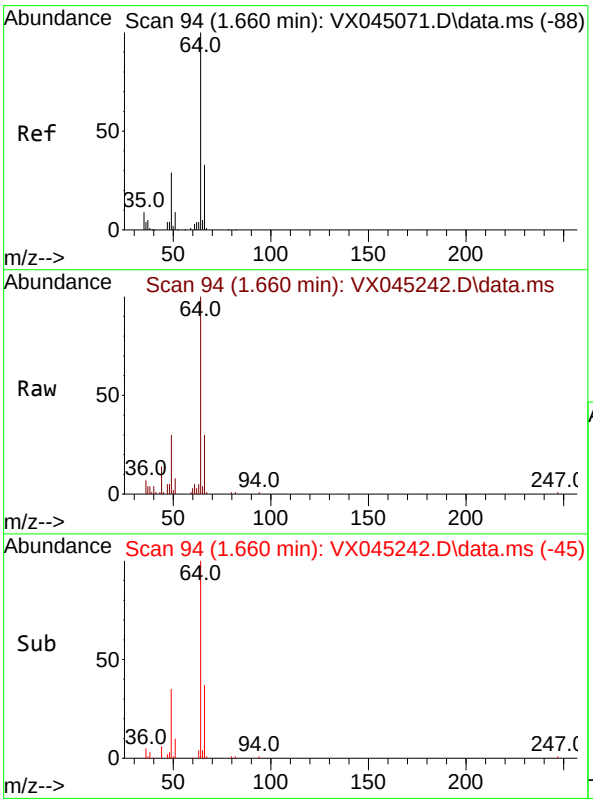
#5
Bromomethane
Concen: 18.276 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 94 Resp: 10126

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

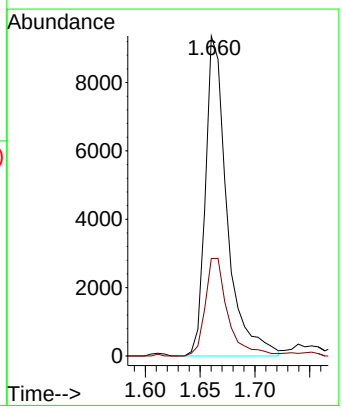


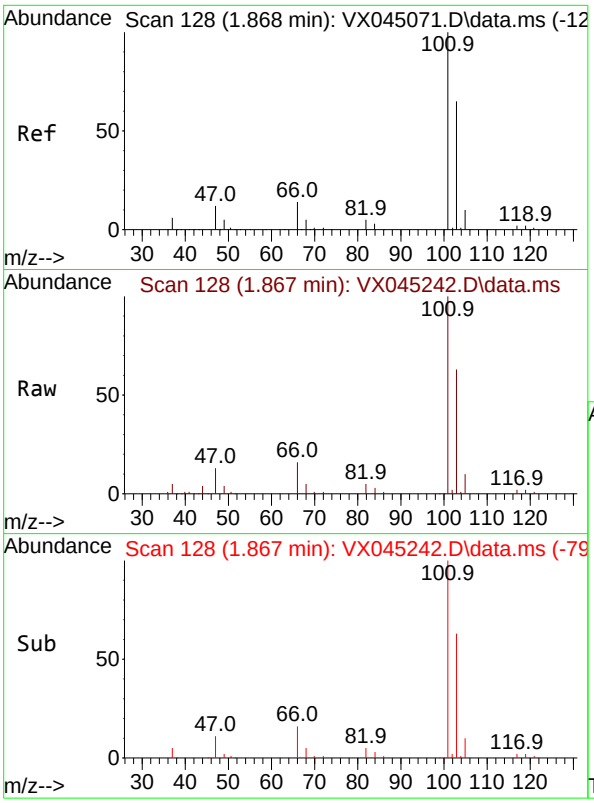


#6
Chloroethane
Concen: 19.657 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 64 Resp: 12779

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.7	40.1



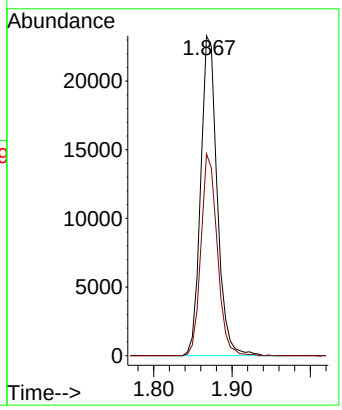


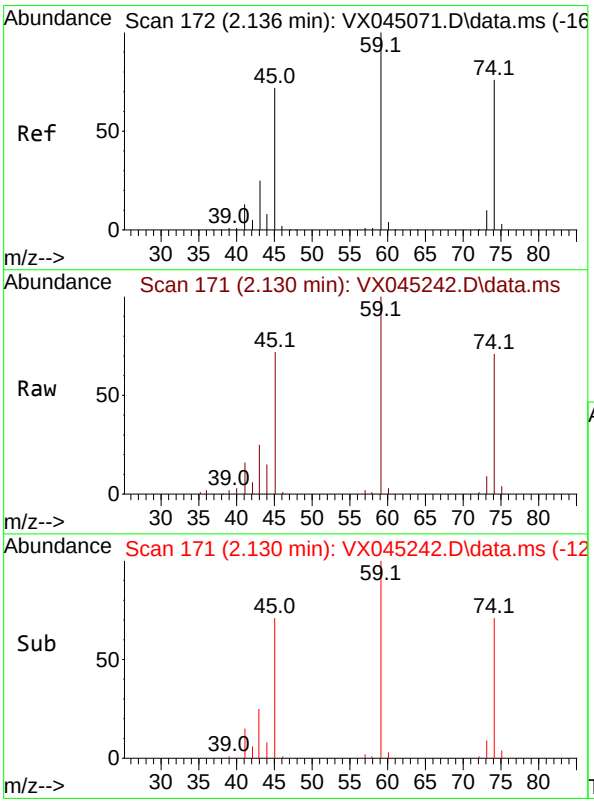
#7
Trichlorofluoromethane
Concen: 18.209 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:101 Resp: 33974

Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.1	78.1

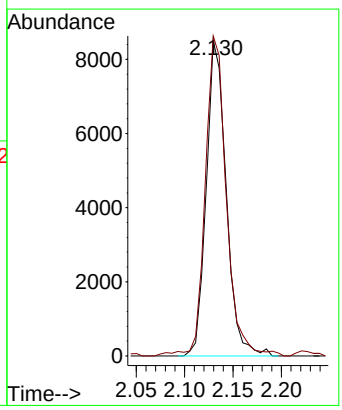


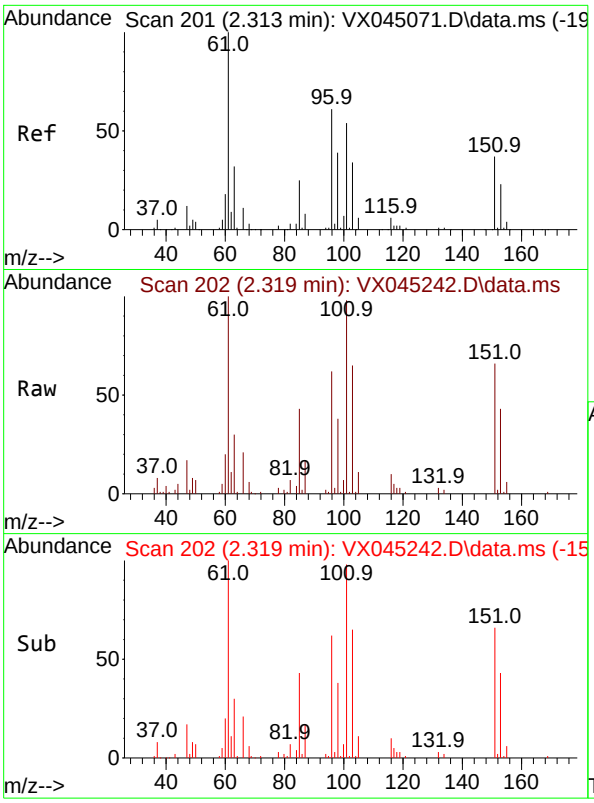


#8
Diethyl Ether
Concen: 16.732 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 74 Resp: 12211

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



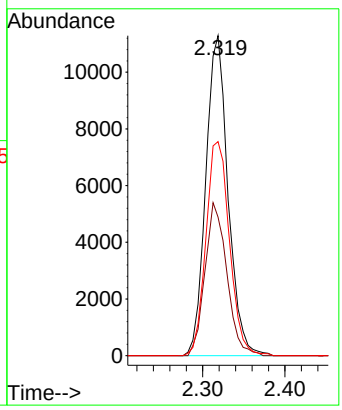


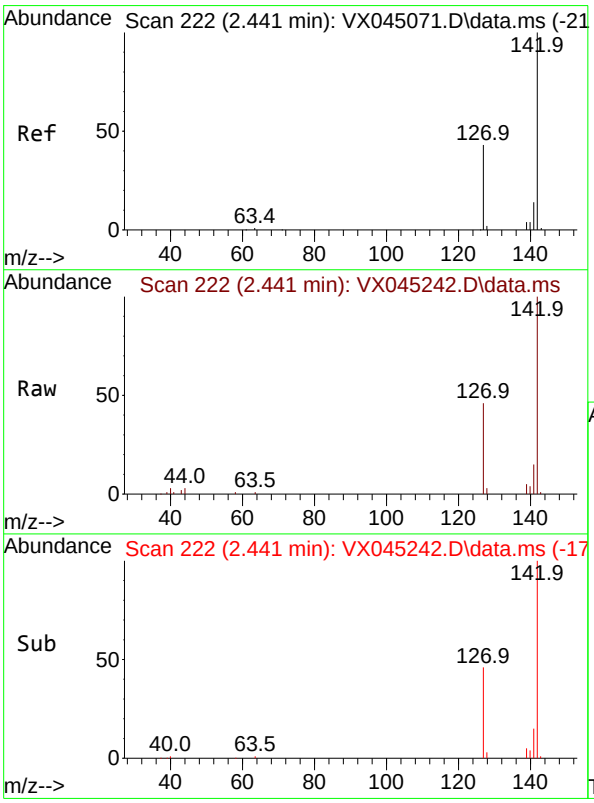
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.796 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:101 Resp: 21220

Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	70.8	56.4	84.6

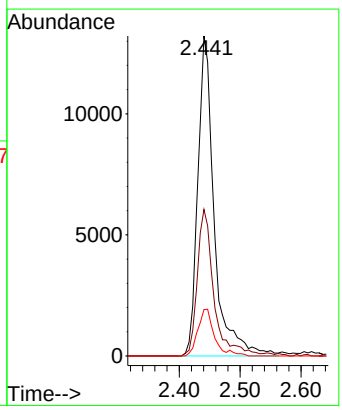


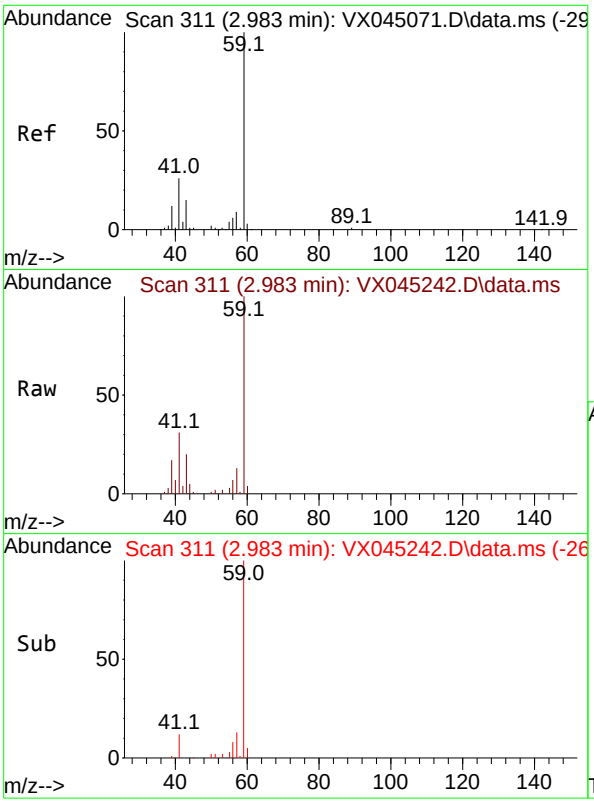


#10
Methyl Iodide
Concen: 18.570 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:142 Resp: 24876

Ion	Ratio	Lower	Upper
142	100		
127	45.9	35.4	53.2
141	14.7	11.6	17.4



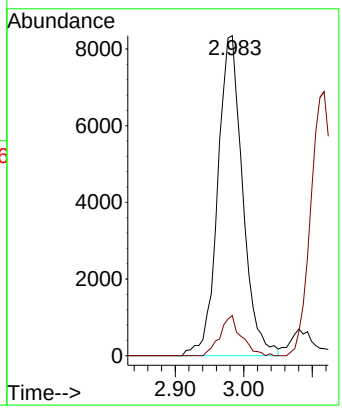


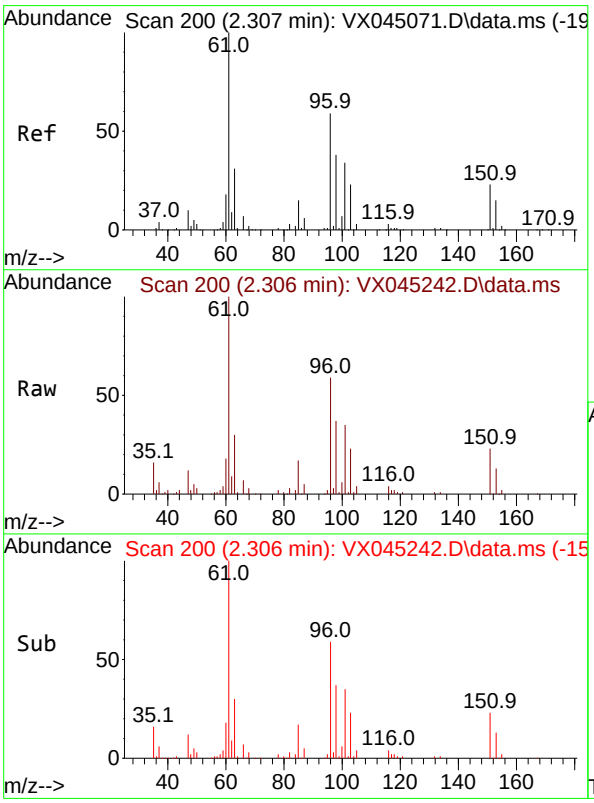
#11
Tert butyl alcohol
Concen: 75.787 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 59 Resp: 21060

Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8

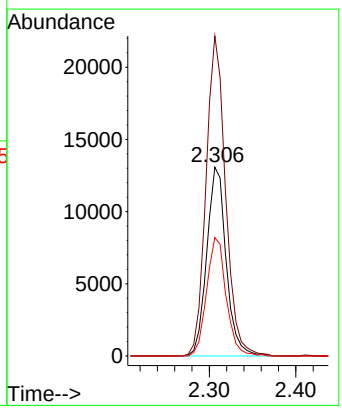


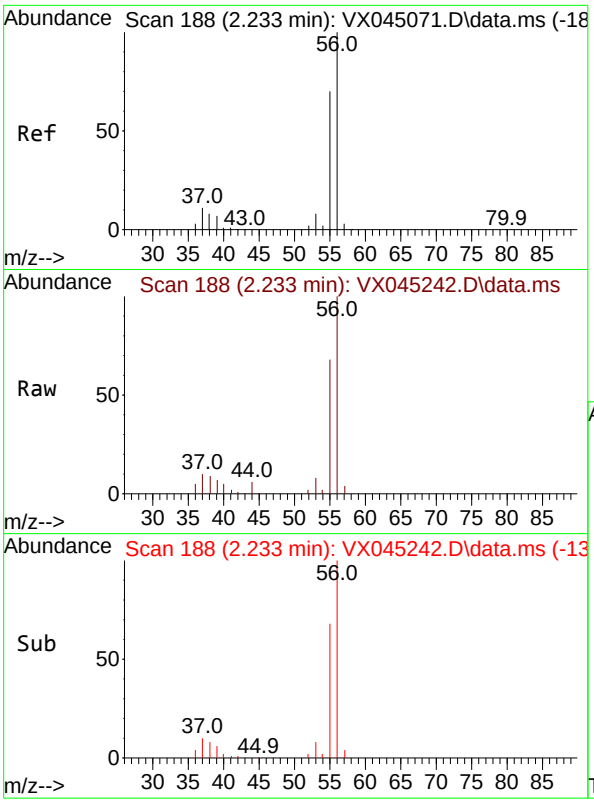


#12
1,1-Dichloroethene
Concen: 18.006 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 96 Resp: 20406

Ion	Ratio	Lower	Upper
96	100		
61	169.4	134.6	202.0
98	62.7	51.0	76.6



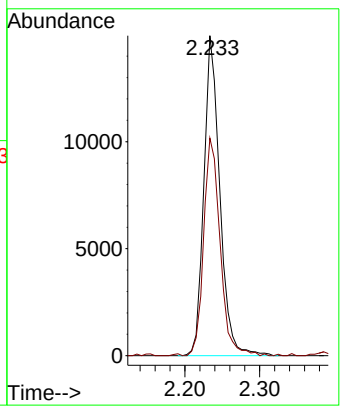


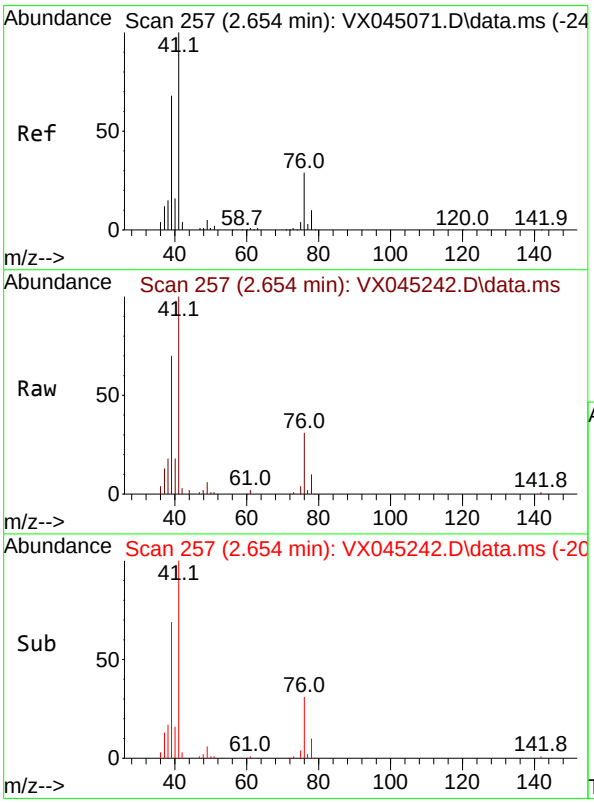
#13
Acrolein
Concen: 69.023 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 56 Resp: 22172

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4

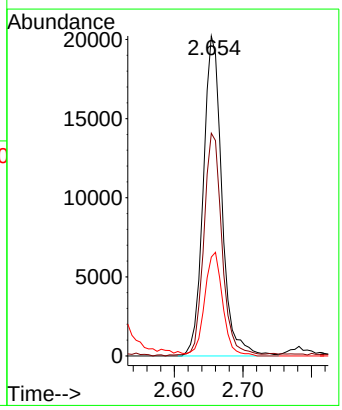


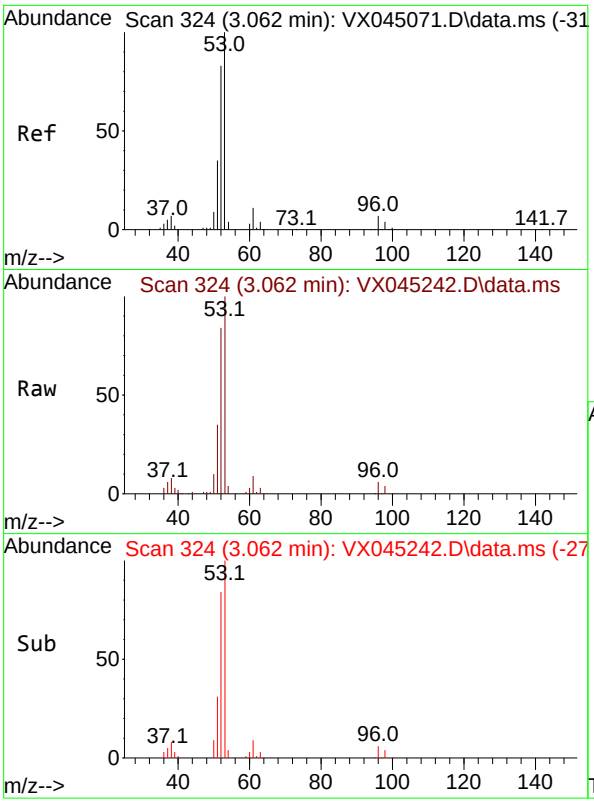


#14
Allyl chloride
Concen: 18.991 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 41 Resp: 38311

Ion	Ratio	Lower	Upper
41	100		
39	68.1	53.8	80.8
76	31.5	25.2	37.8



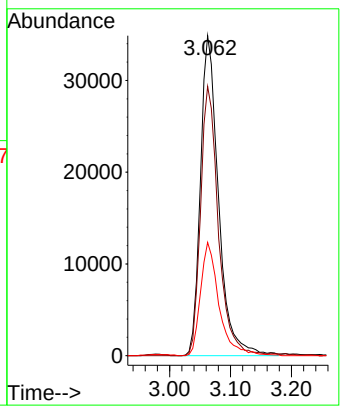


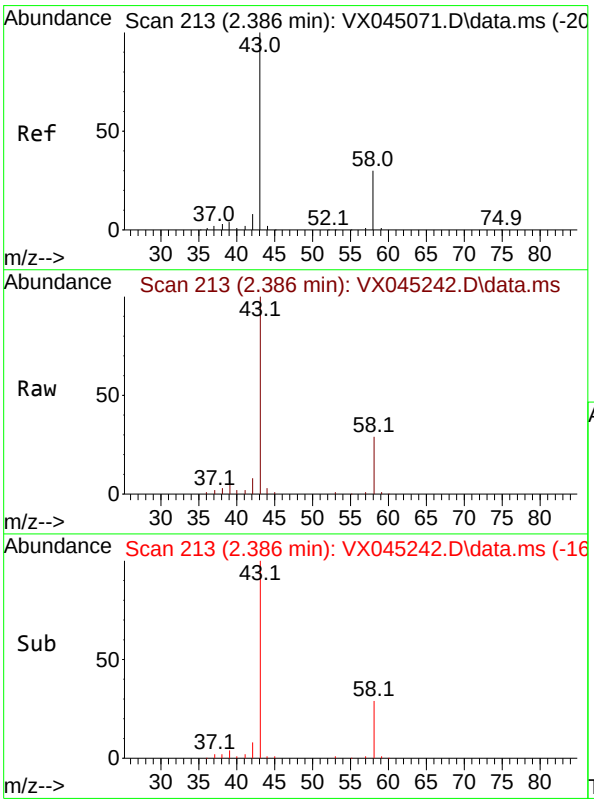
#15
Acrylonitrile
Concen: 97.031 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 53 Resp: 72265

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.1	29.0	43.4

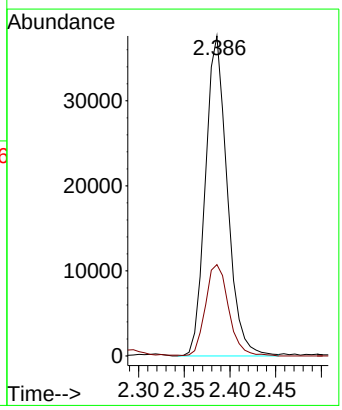


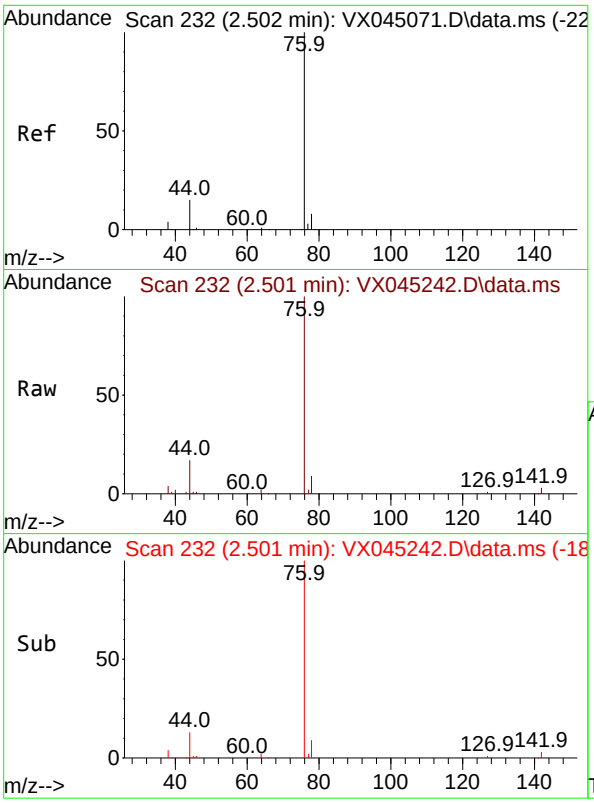


#16
Acetone
Concen: 91.920 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 62567

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4



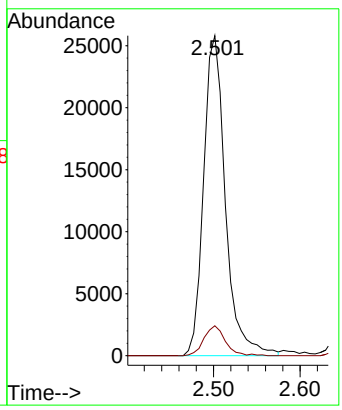


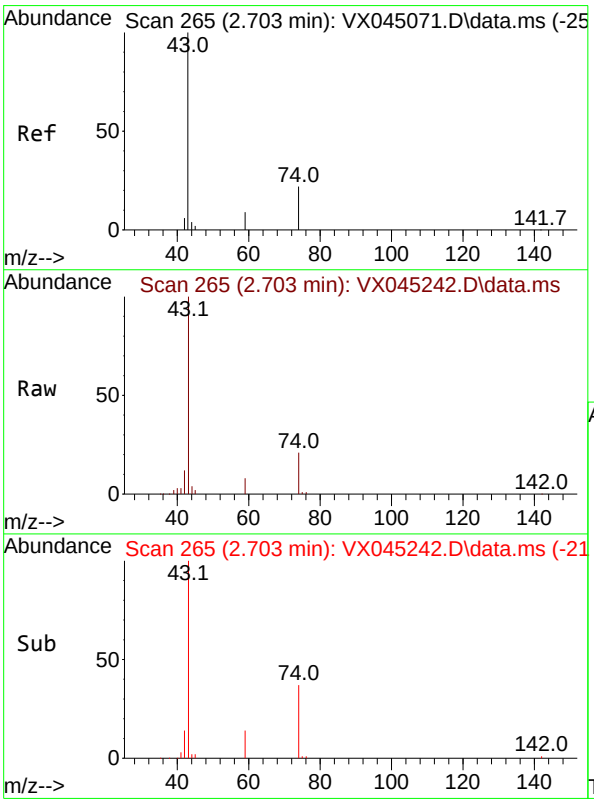
#17
Carbon Disulfide
Concen: 14.929 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 76 Resp: 45065

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

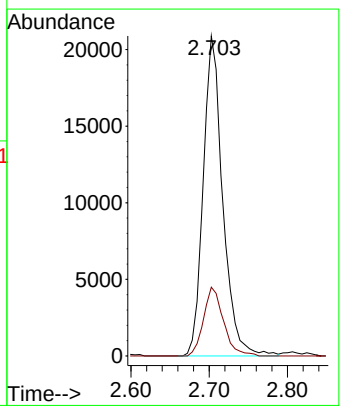


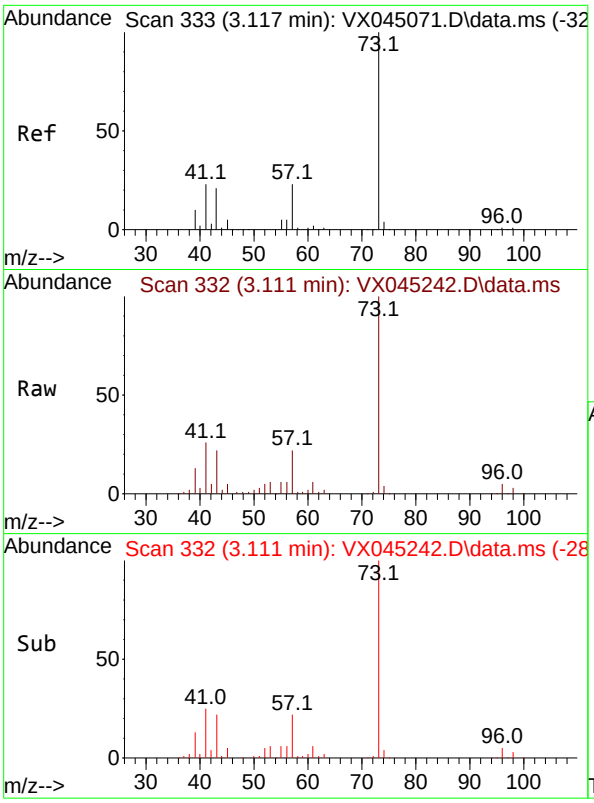


#18
Methyl Acetate
Concen: 22.113 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 36210

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



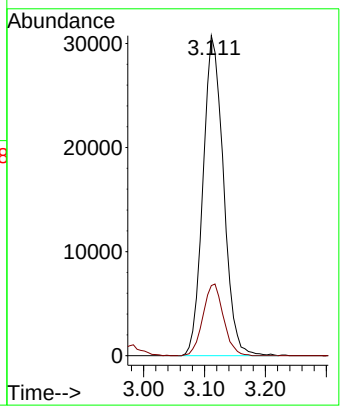


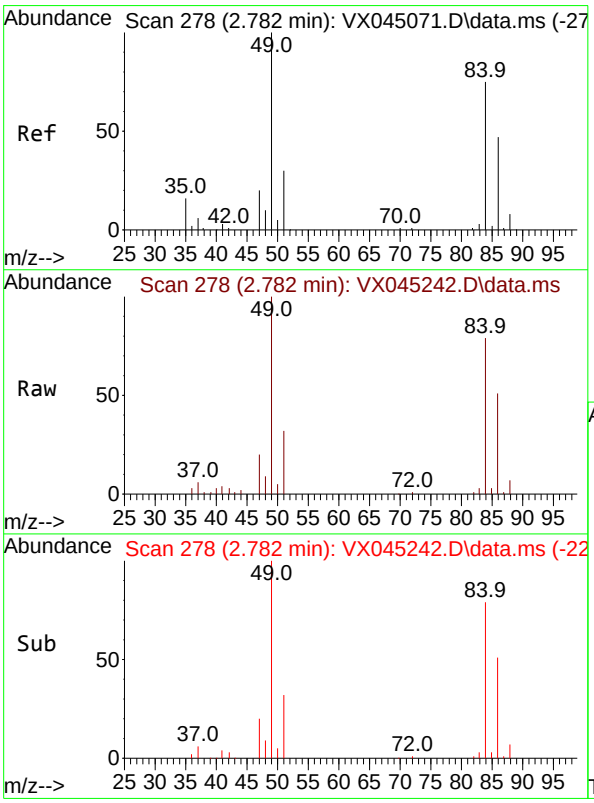
#19
Methyl tert-butyl Ether
Concen: 18.880 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 73 Resp: 71785

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7

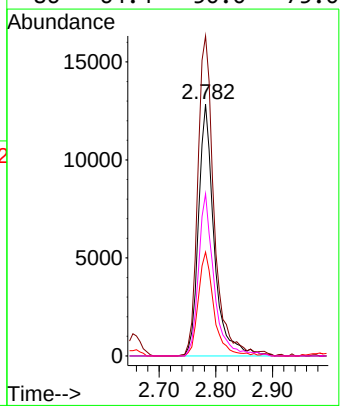


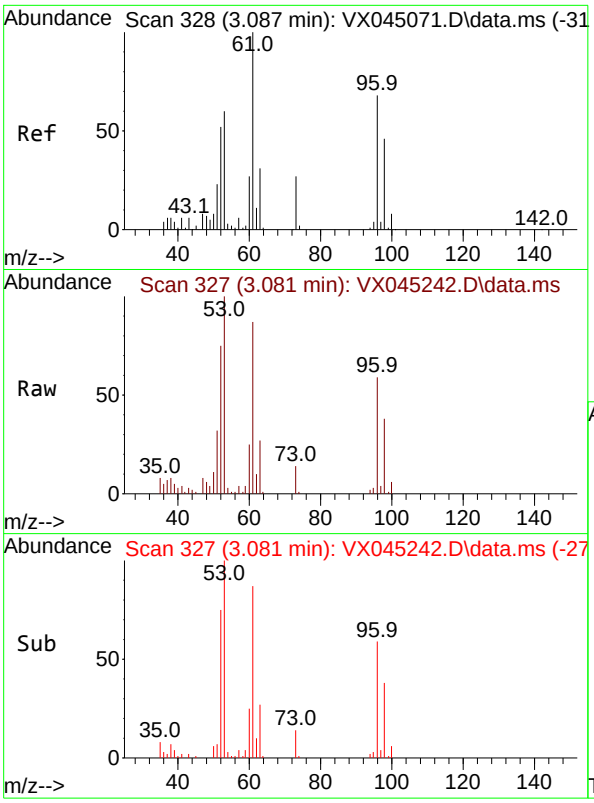


#20
Methylene Chloride
Concen: 18.288 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 84 Resp: 24658

Ion	Ratio	Lower	Upper
84	100		
49	127.1	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0



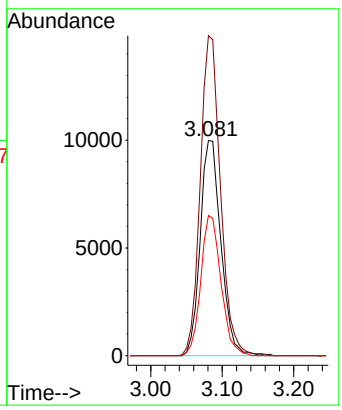


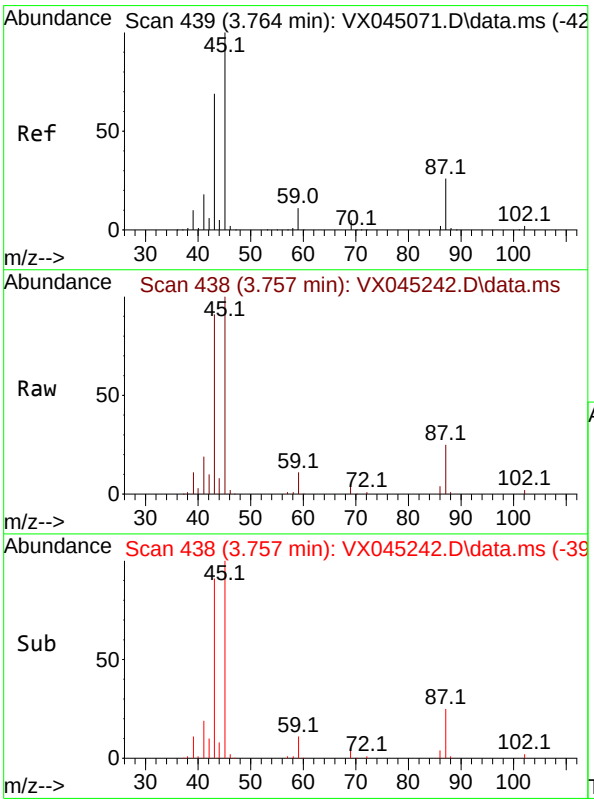
#21
trans-1,2-Dichloroethene
Concen: 17.928 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 96 Resp: 20073

Ion	Ratio	Lower	Upper
96	100		
61	148.7	117.0	175.4
98	65.1	53.4	80.2

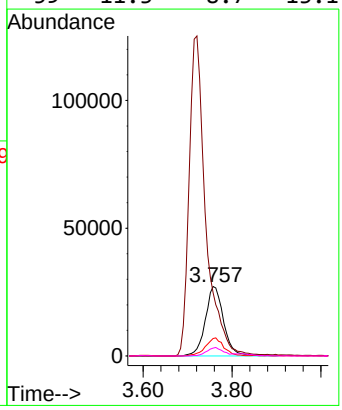


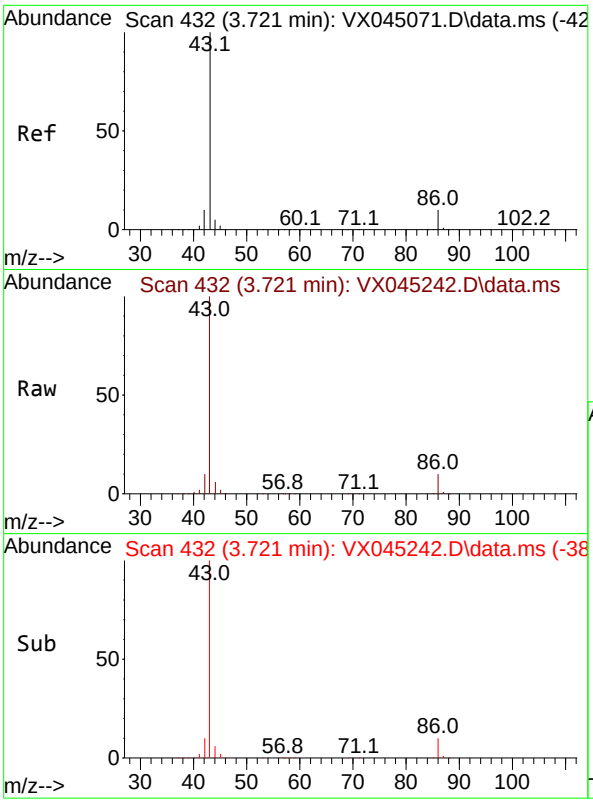


#22
Diisopropyl ether
Concen: 19.068 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 45 Resp: 78233

Ion	Ratio	Lower	Upper
45	100		
43	89.9	54.9	82.3#
87	25.1	21.0	31.4
59	11.3	8.7	13.1



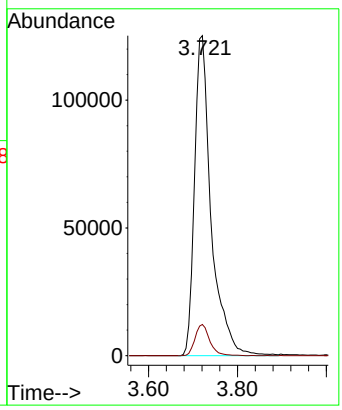


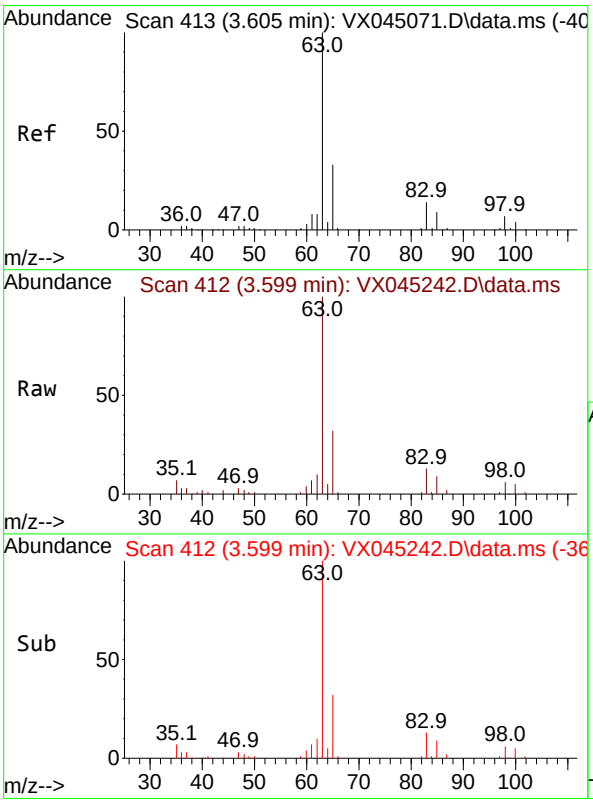
#23
Vinyl Acetate
Concen: 95.283 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 43 Resp: 326230

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

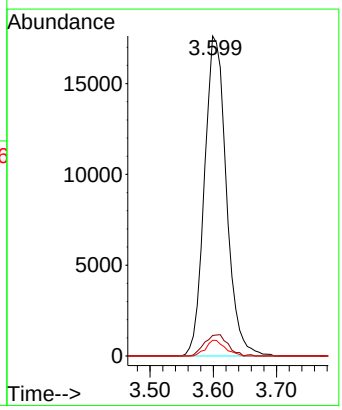


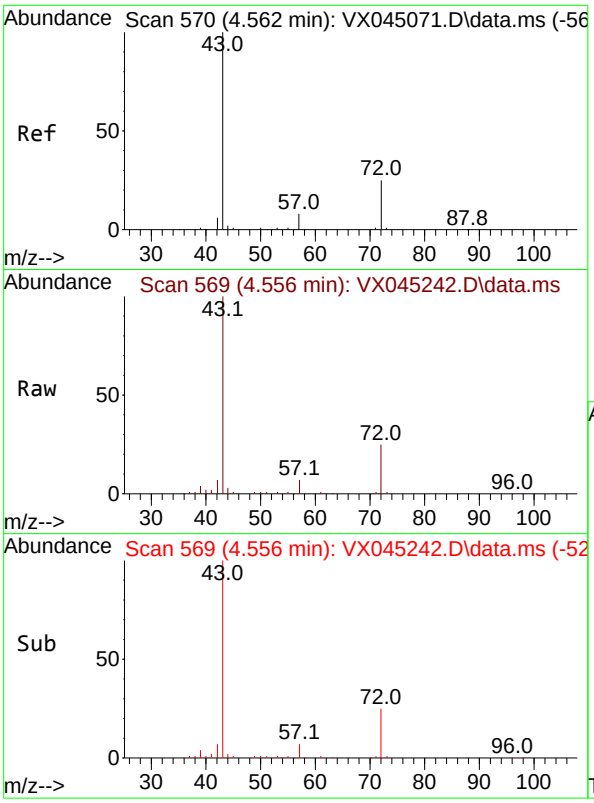


#24
1,1-Dichloroethane
Concen: 18.426 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 63 Resp: 42368

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.9	2.1	6.5



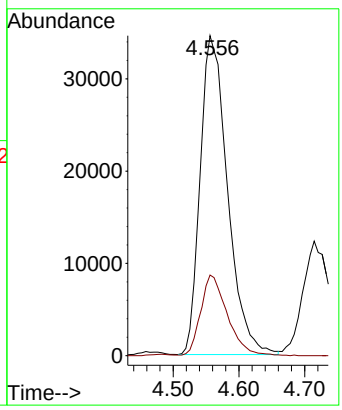


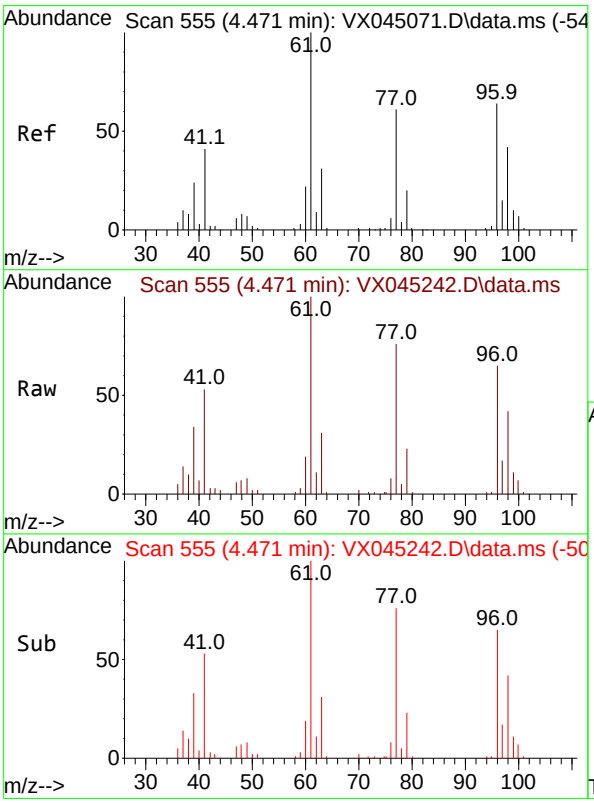
#25
2-Butanone
Concen: 97.751 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 43 Resp: 100153

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.0	30.0

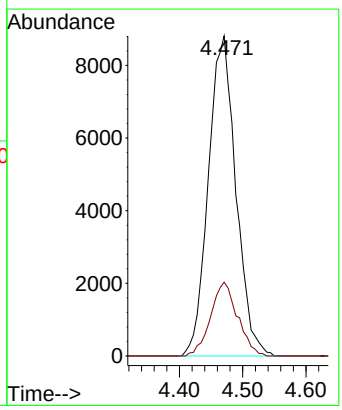


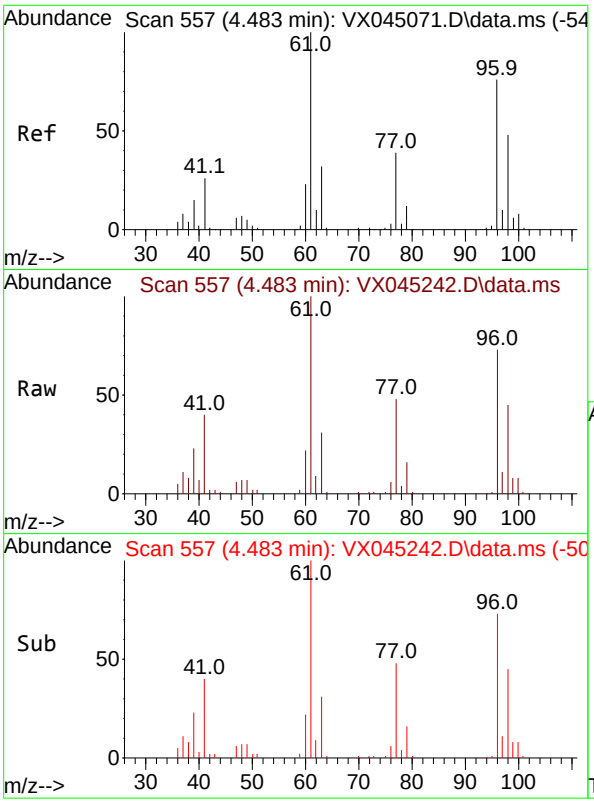


#26
2,2-Dichloropropane
Concen: 24.697 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 77 Resp: 26636

Ion	Ratio	Lower	Upper
77	100		
97	22.6	12.4	37.0



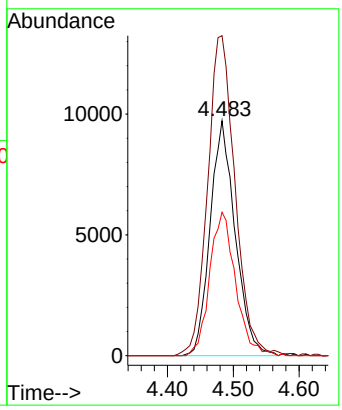


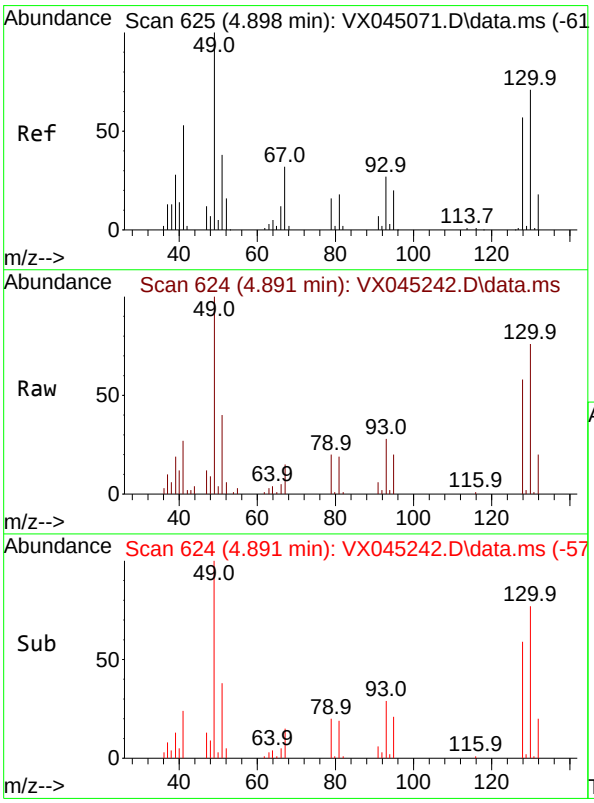
#27
cis-1,2-Dichloroethene
Concen: 18.681 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 96 Resp: 25820

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	283.2
98	63.1	0.0	128.0

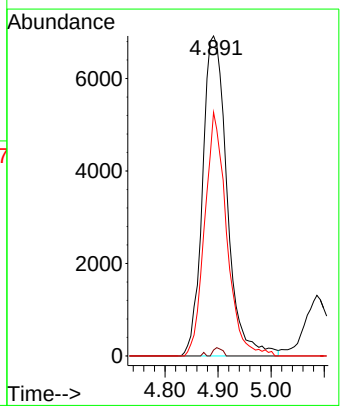


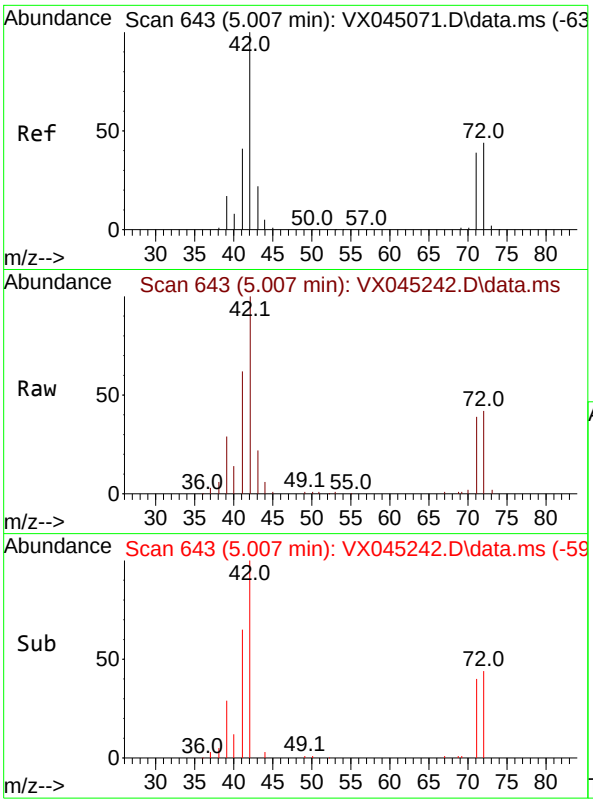


#28
Bromochloromethane
Concen: 20.288 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 49 Resp: 22235

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	68.3	56.1	84.1



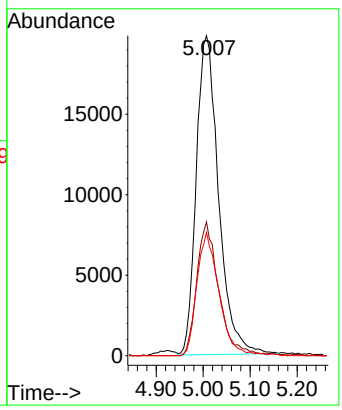


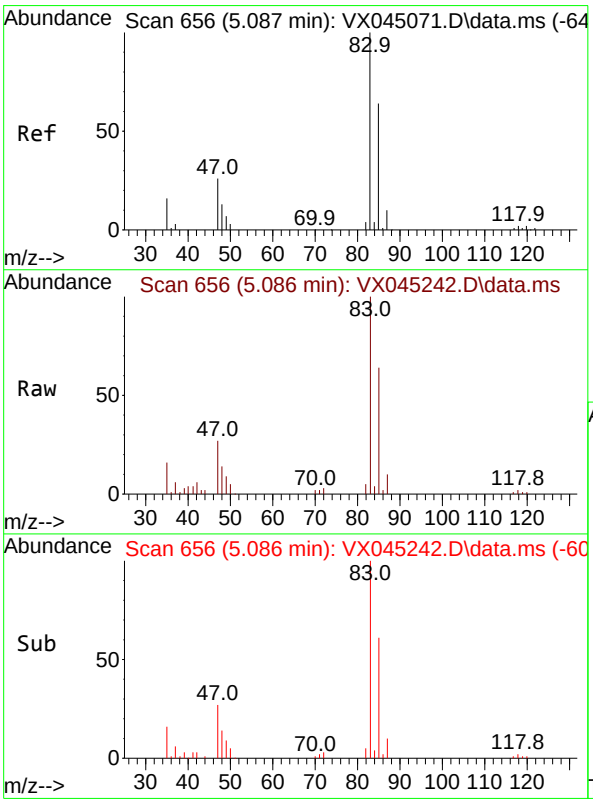
#29
Tetrahydrofuran
Concen: 95.125 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 42 Resp: 65451

Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	38.1	31.4	47.0

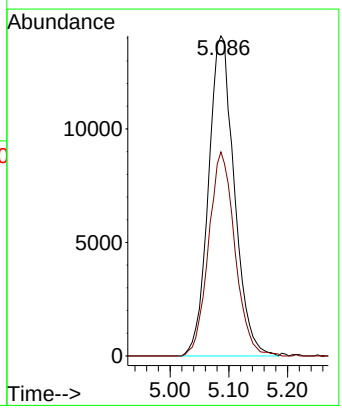


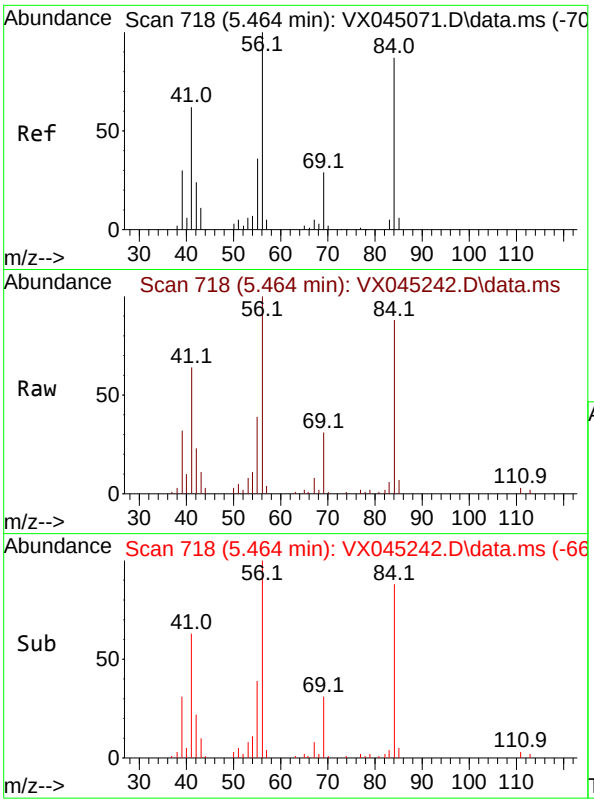


#30
Chloroform
Concen: 18.832 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 83 Resp: 43024

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2



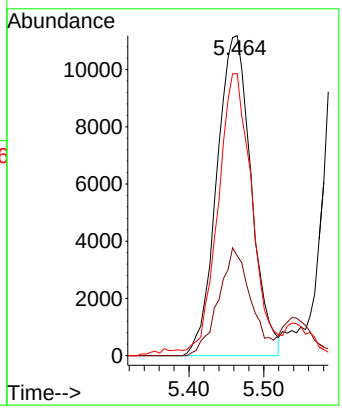


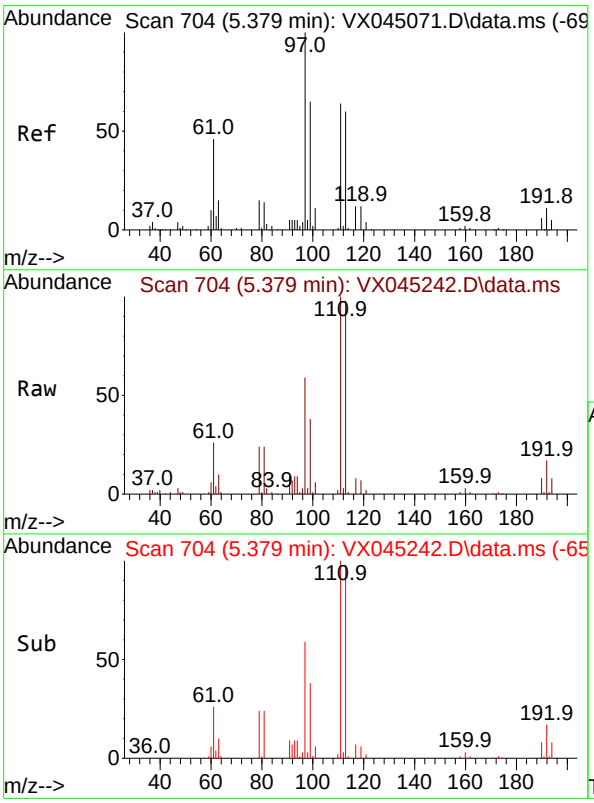
#31
Cyclohexane
Concen: 17.942 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 56 Resp: 35812

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.2
84	86.3	69.4	104.2

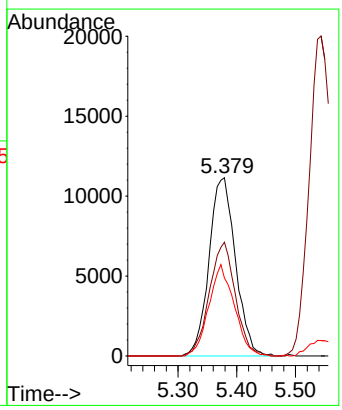


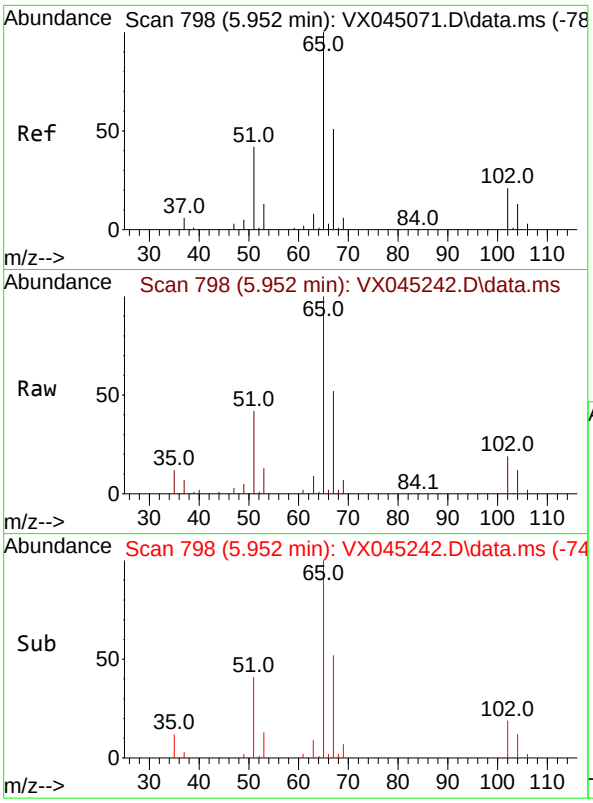


#32
1,1,1-Trichloroethane
Concen: 18.920 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 97 Resp: 34912

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.6	77.4
61	49.2	38.4	57.6



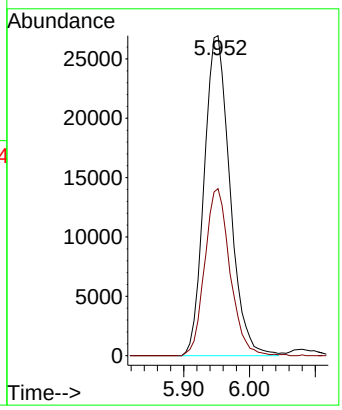


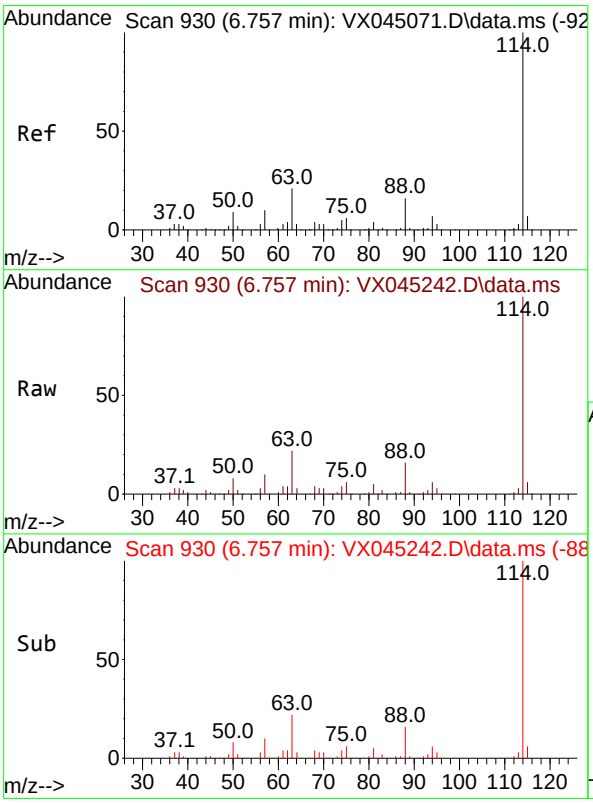
#33
1,2-Dichloroethane-d4
Concen: 50.047 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 65 Resp: 73422

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

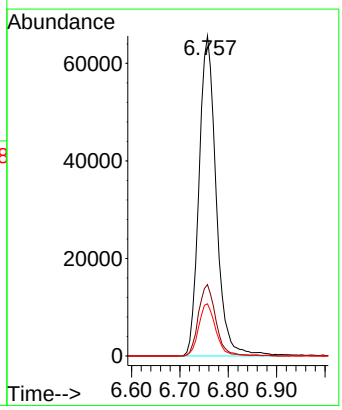


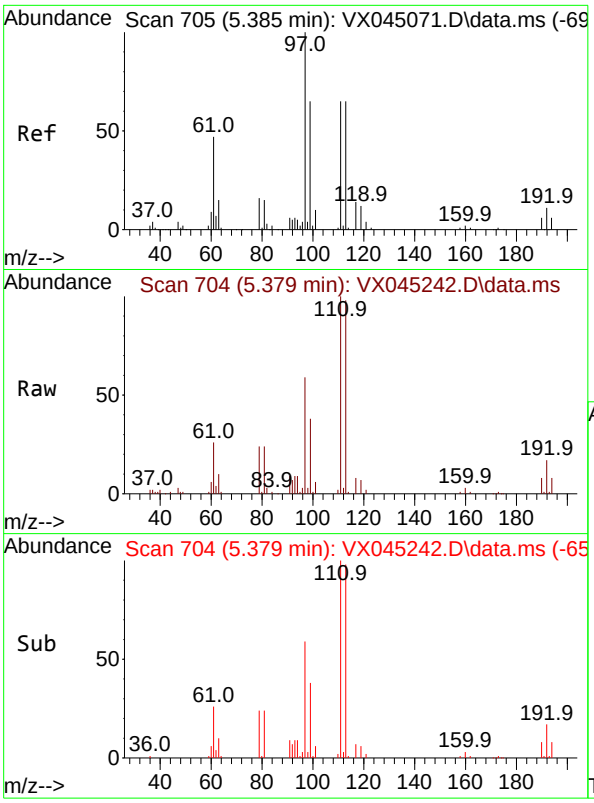


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:114 Resp: 161778

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.3	0.0	32.8



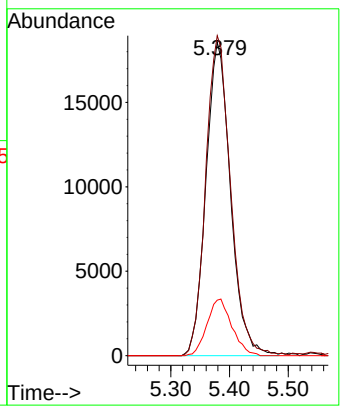


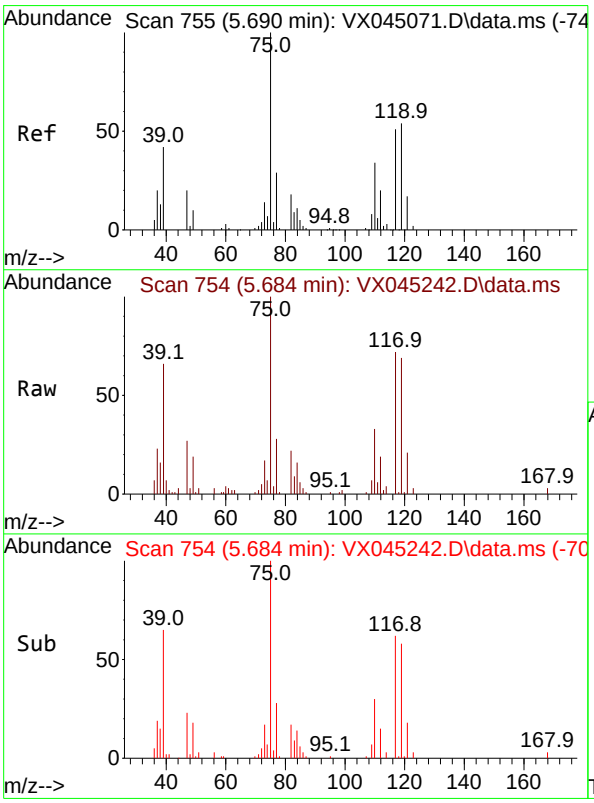
#35
Dibromofluoromethane
Concen: 49.807 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:113 Resp: 53880

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.2	14.3	21.5

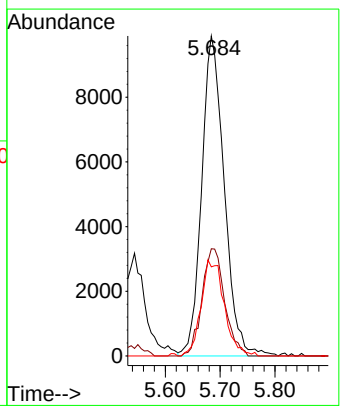


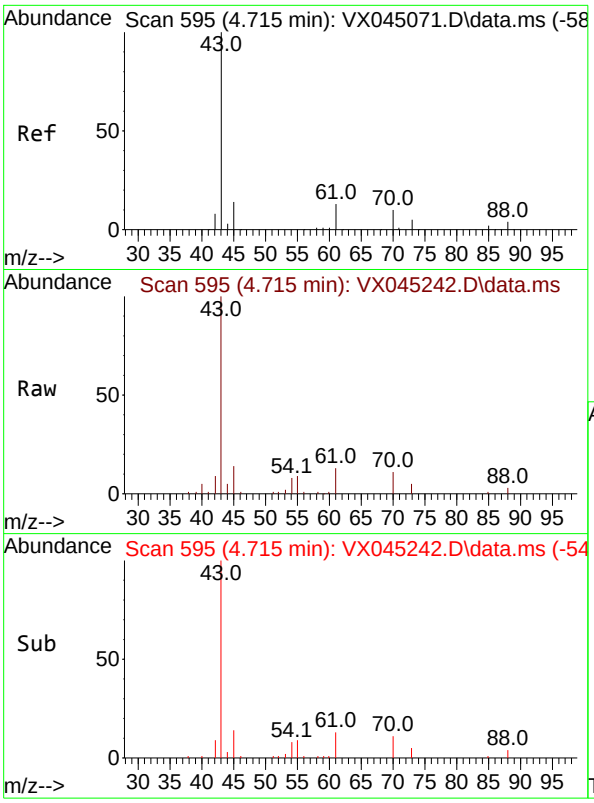


#36
1,1-Dichloropropene
Concen: 19.069 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 28290

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	30.6	24.5	36.7



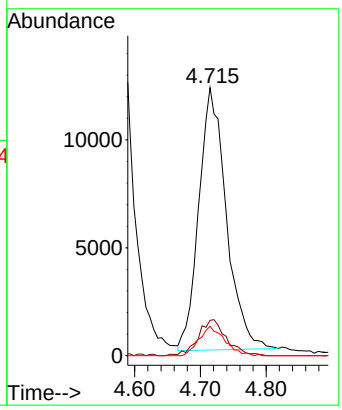


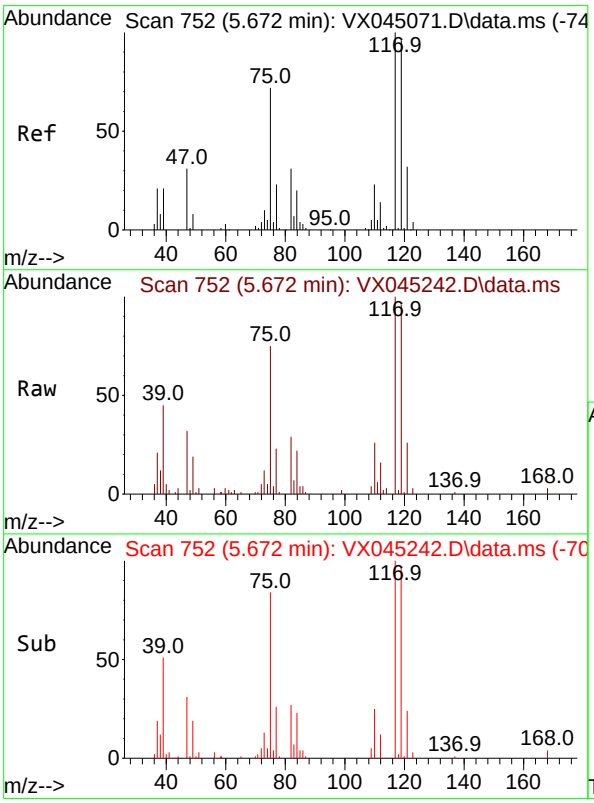
#37
Ethyl Acetate
Concen: 18.506 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 43 Resp: 35377

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.8	16.2
70	10.3	7.7	11.5

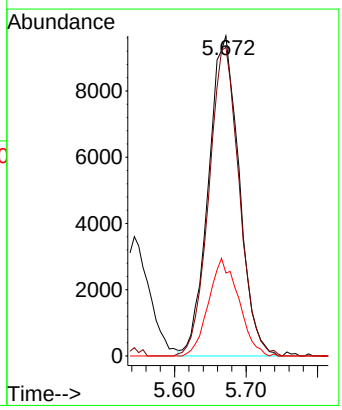


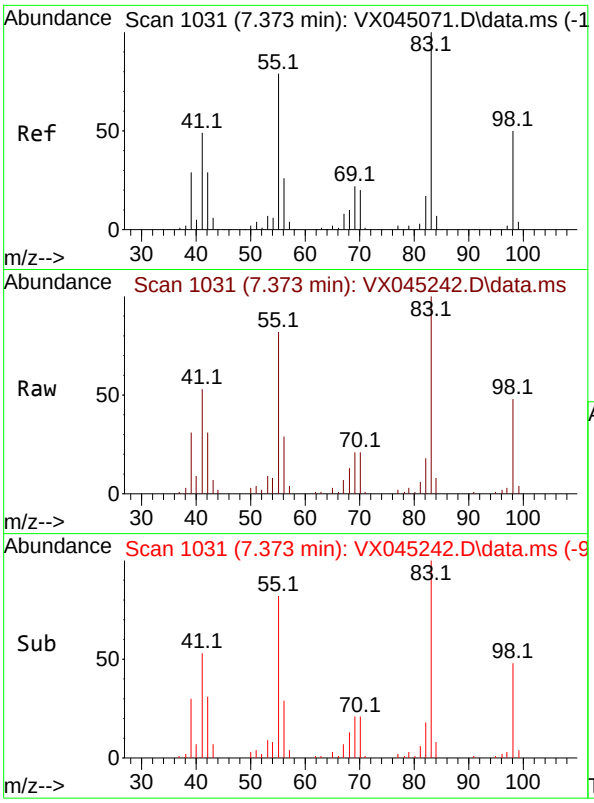


#38
Carbon Tetrachloride
Concen: 19.129 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:117 Resp: 28811

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	25.9	25.5	38.3



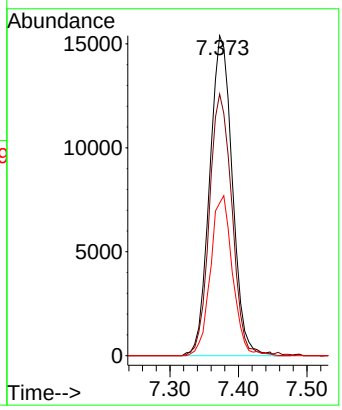


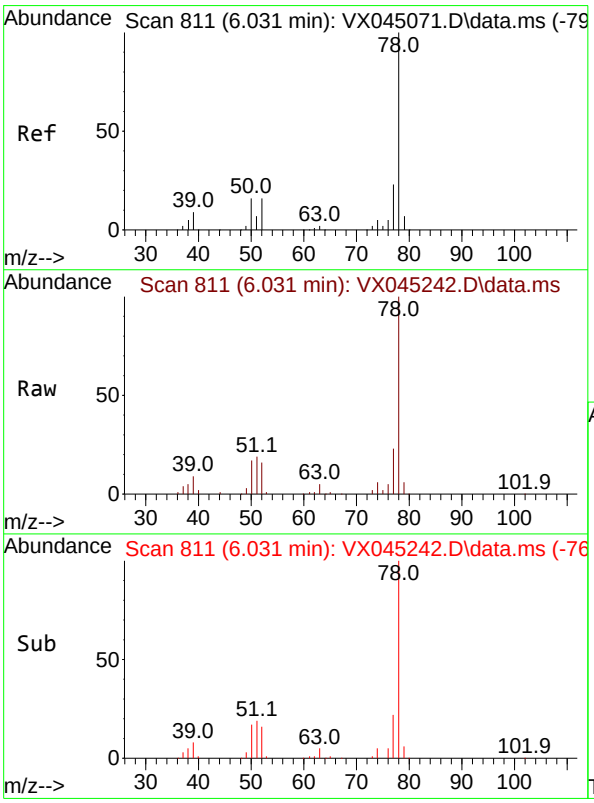
#39
Methylcyclohexane
Concen: 19.931 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 83 Resp: 35429

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.7	39.7	59.5

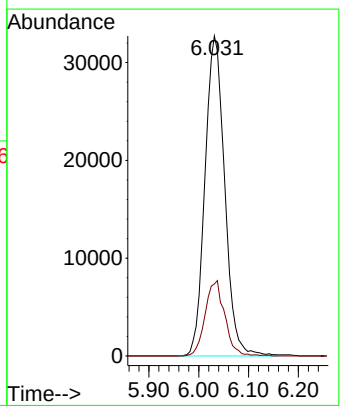


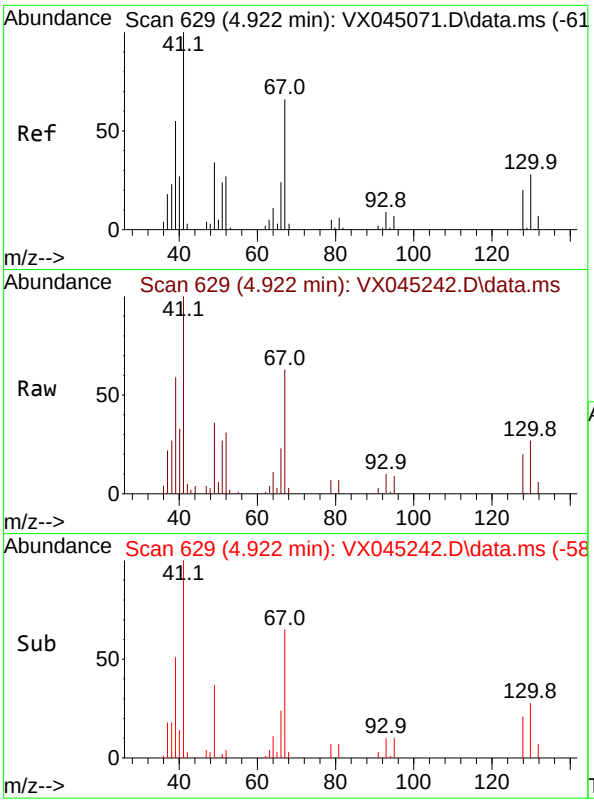


#40
Benzene
Concen: 19.207 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 78 Resp: 89979

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2



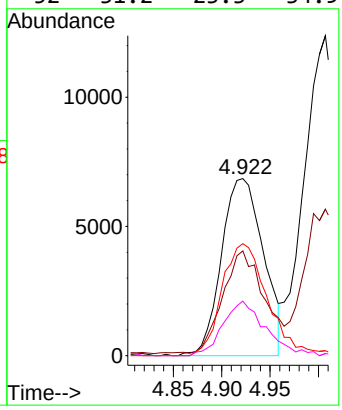


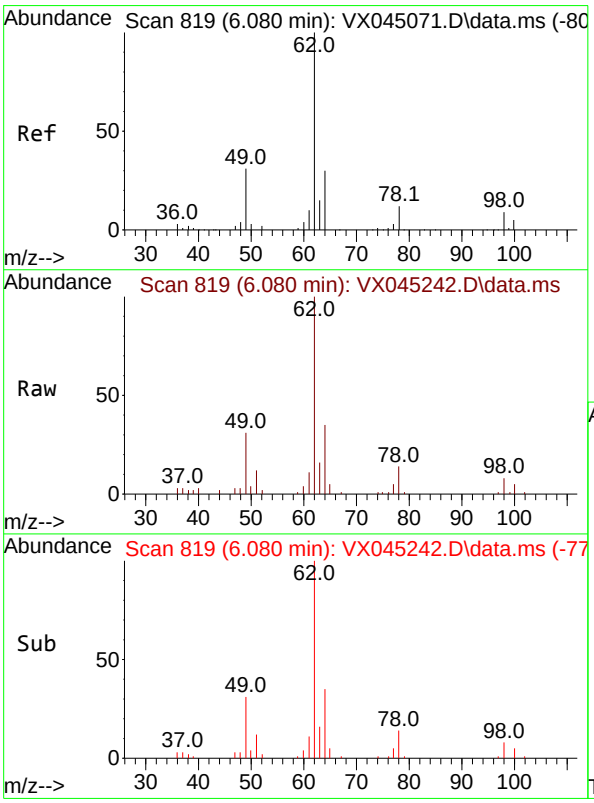
#41
Methacrylonitrile
Concen: 20.005 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 41 Resp: 20678

Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.6	67.0
67	68.7	53.9	80.9
52	31.2	23.3	34.9

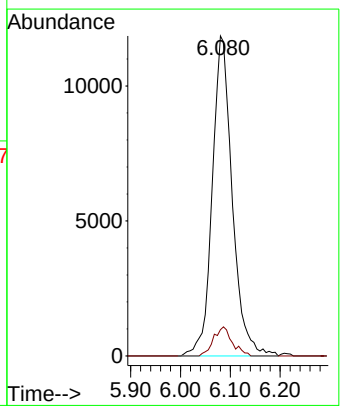


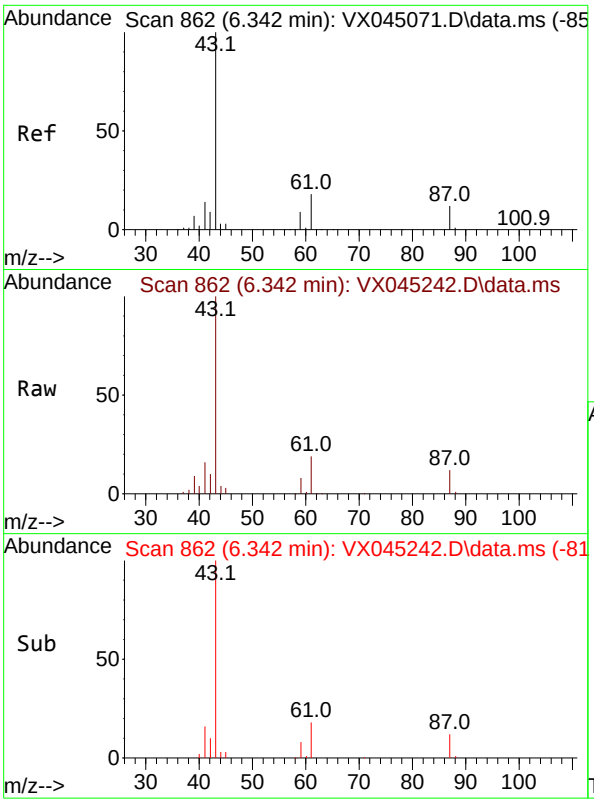


#42
1,2-Dichloroethane
Concen: 19.584 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 62 Resp: 33037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



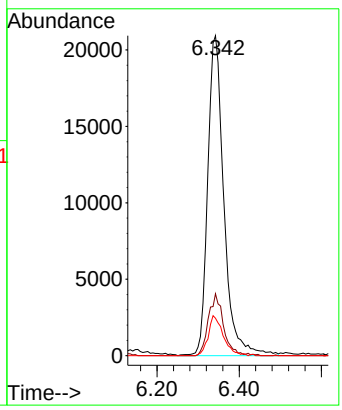


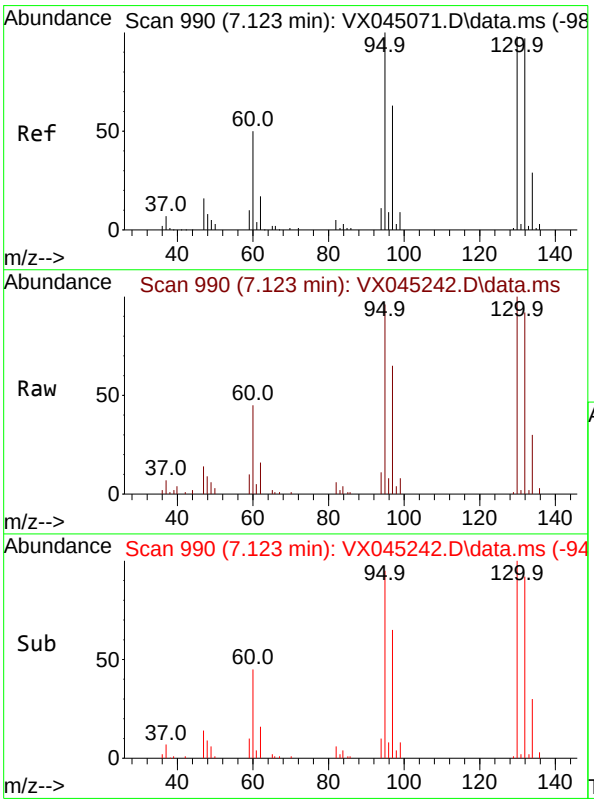
#43
Isopropyl Acetate
Concen: 20.245 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 43 Resp: 57228

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.6	9.4	14.2

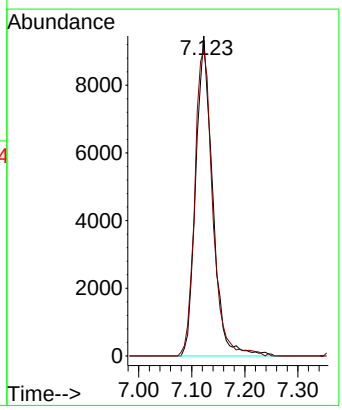


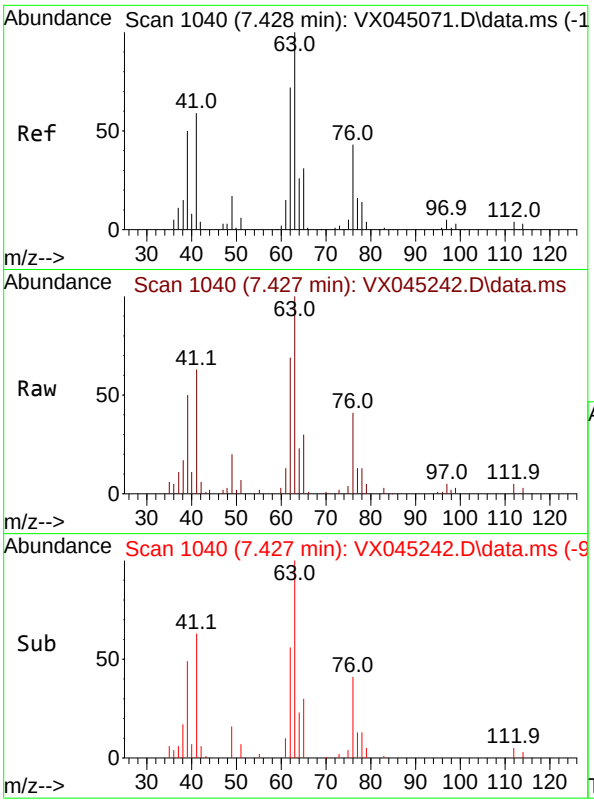


#44
Trichloroethene
Concen: 18.975 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:130 Resp: 20872

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	205.0



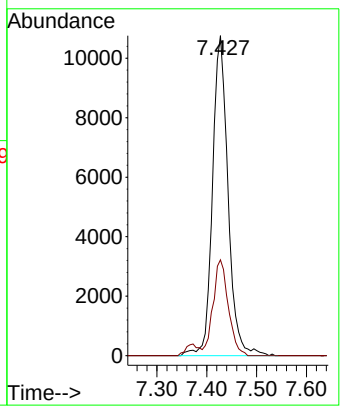


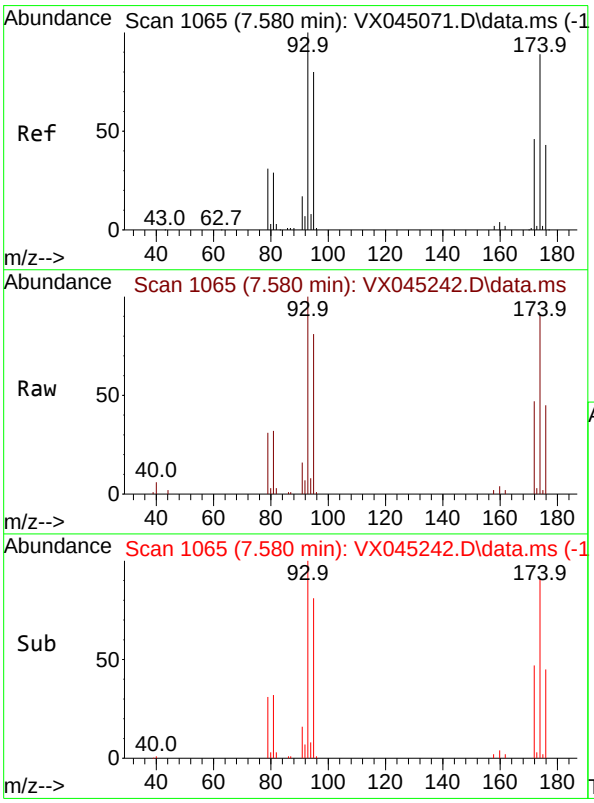
#45
1,2-Dichloropropane
Concen: 19.348 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 63 Resp: 23304

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.7	37.1

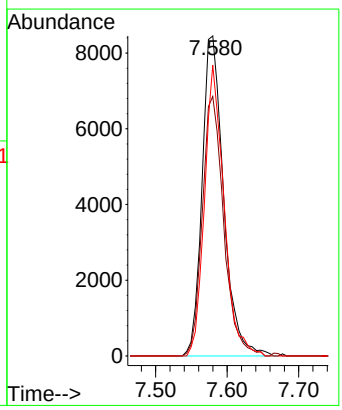


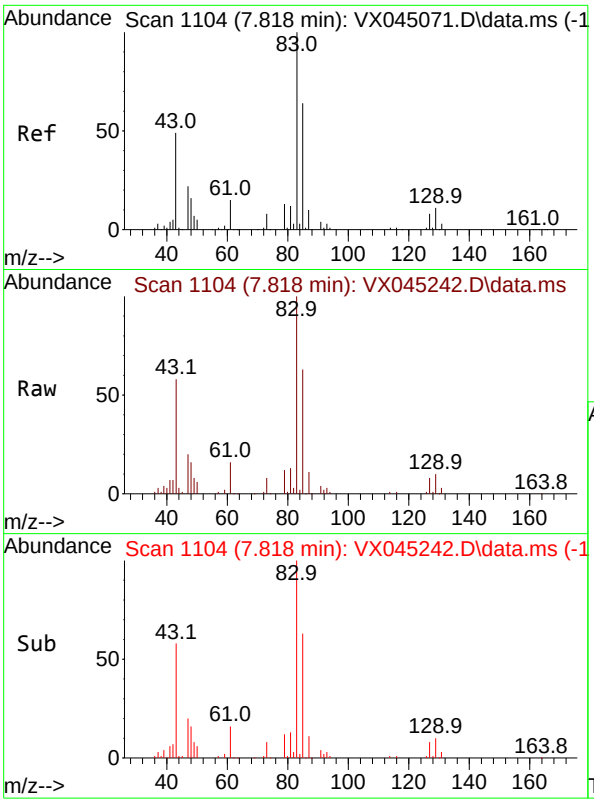


#46
Dibromomethane
Concen: 20.675 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 93 Resp: 17601

Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.8	98.8
174	83.1	72.2	108.2



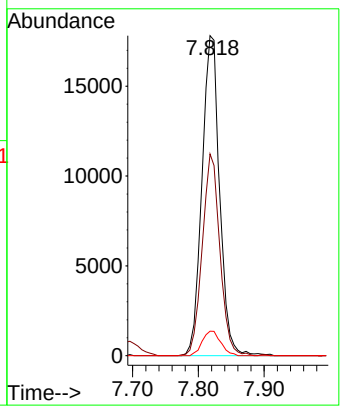


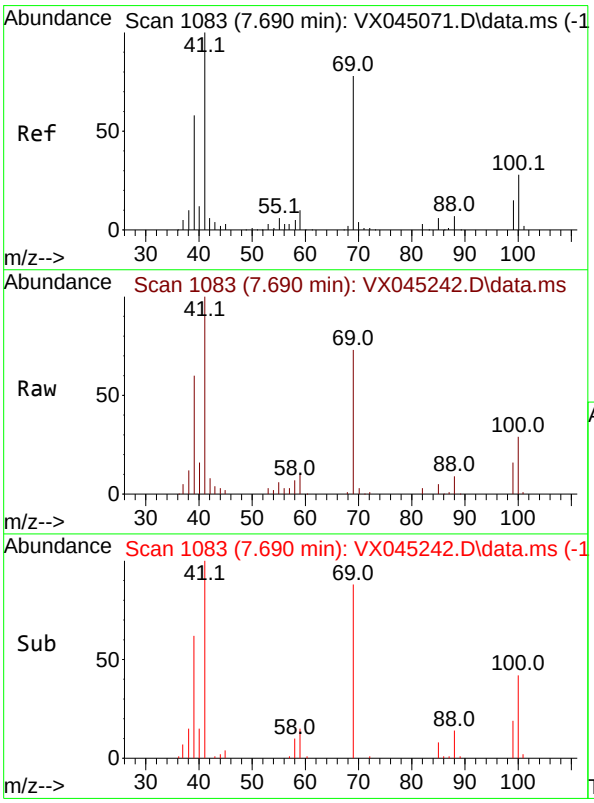
#47
Bromodichloromethane
Concen: 19.954 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 83 Resp: 33320

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.7	6.4	9.6

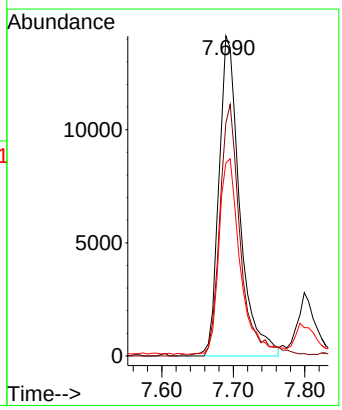


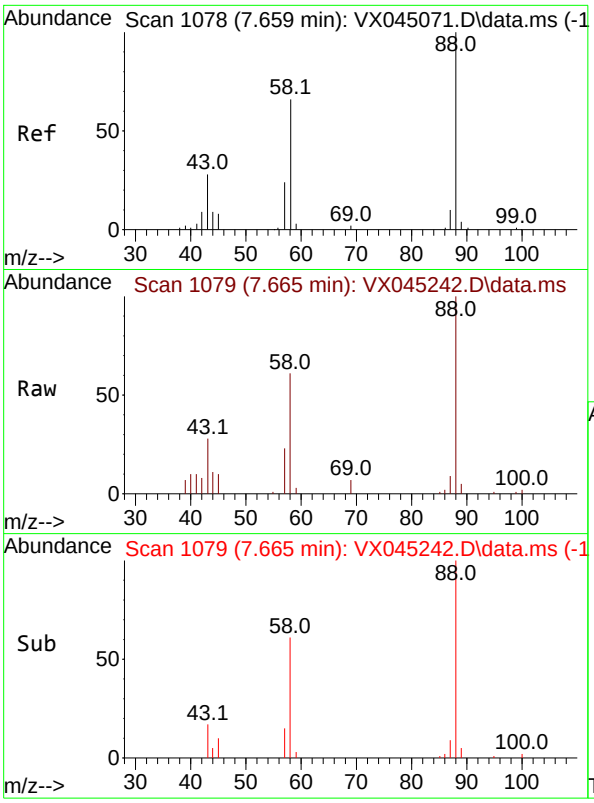


#48
Methyl methacrylate
Concen: 20.173 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 41 Resp: 28608

Ion	Ratio	Lower	Upper
41	100		
69	77.8	63.0	94.6
39	63.1	47.5	71.3



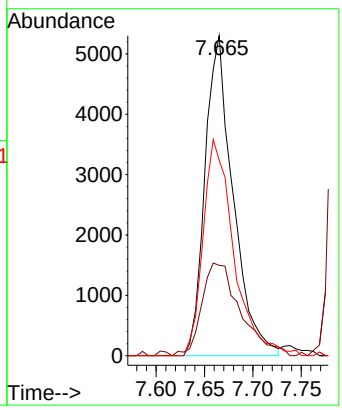


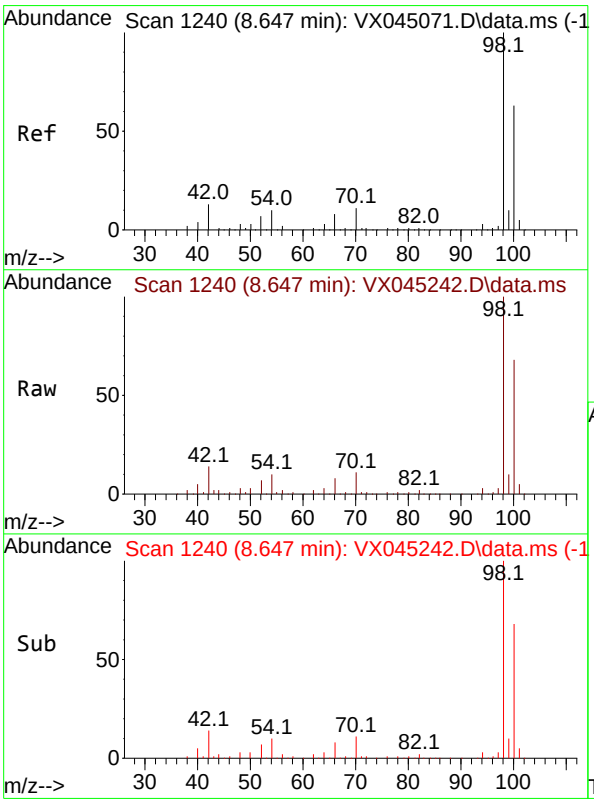
#49
1,4-Dioxane
Concen: 358.121 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 88 Resp: 10713

Ion	Ratio	Lower	Upper
88	100		
43	39.7	28.7	43.1
58	73.9	55.8	83.8

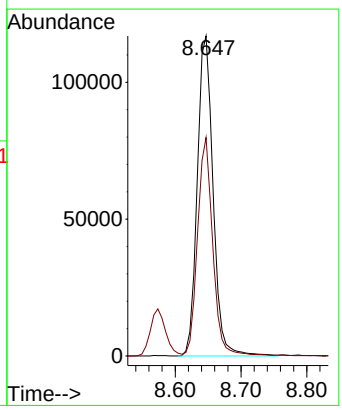


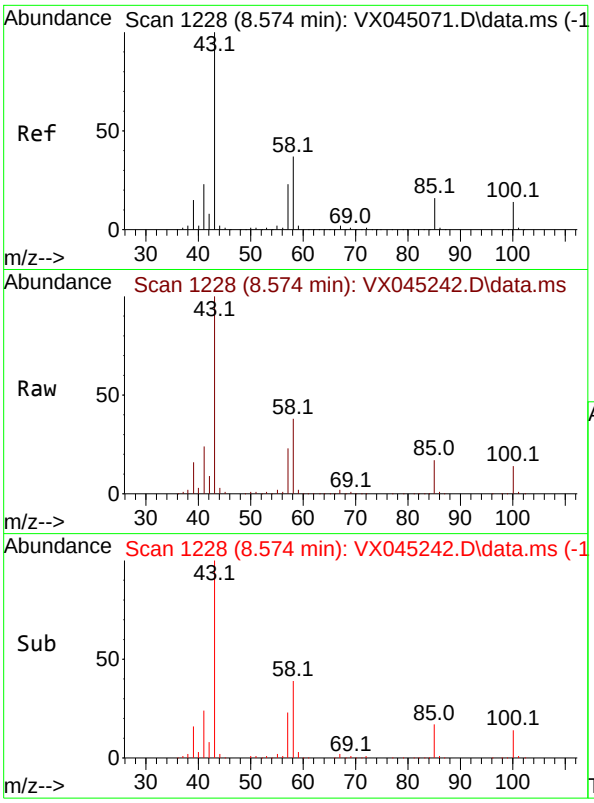


#50
Toluene-d8
Concen: 49.747 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 98 Resp: 195097

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



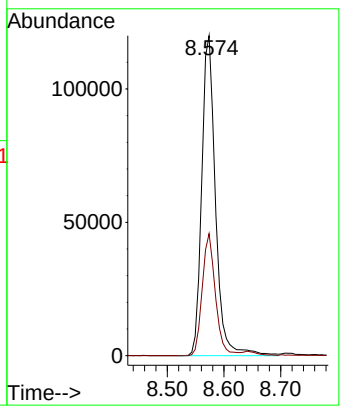


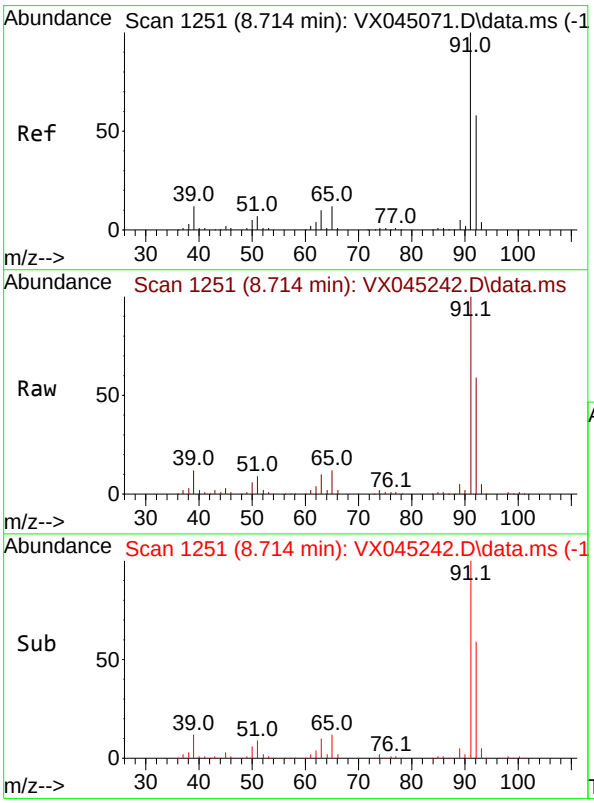
#51
4-Methyl-2-Pentanone
Concen: 106.822 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 43 Resp: 202750

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

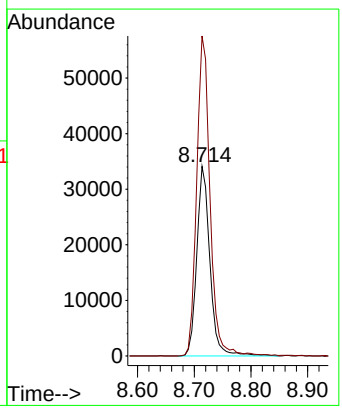


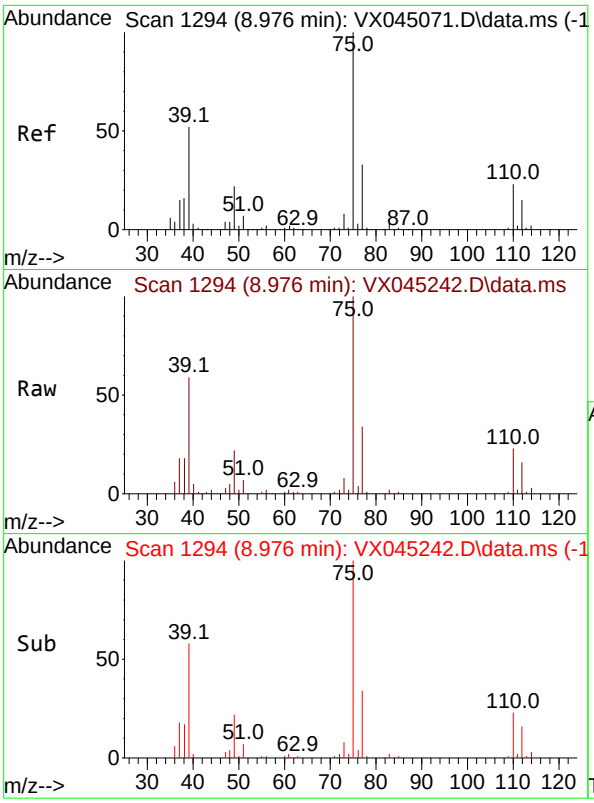


#52
Toluene
Concen: 19.928 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 92 Resp: 54775

Ion	Ratio	Lower	Upper
92	100		
91	169.9	138.9	208.3



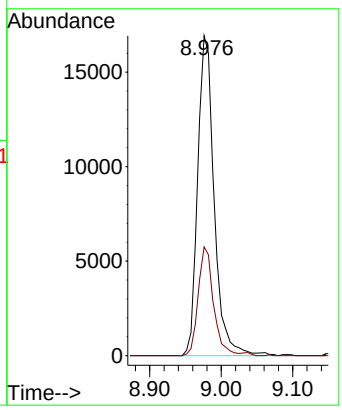


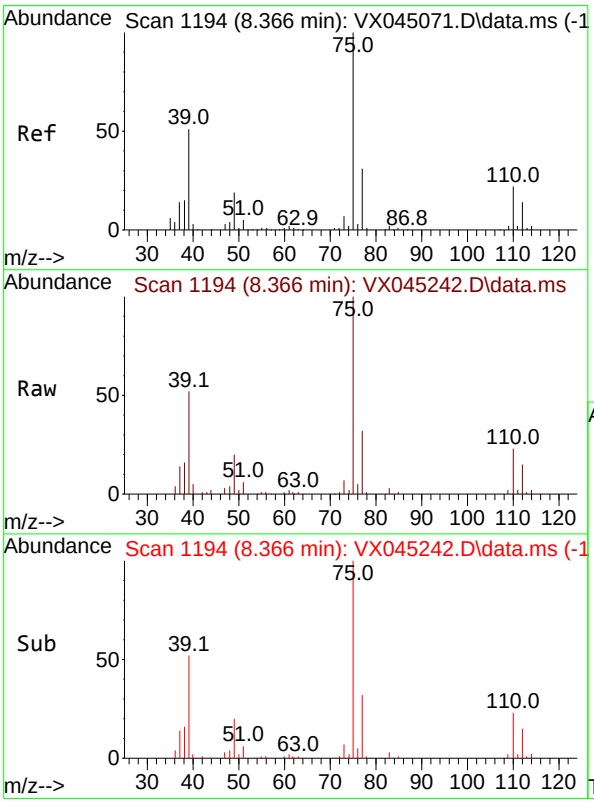
#53
t-1,3-Dichloropropene
Concen: 19.422 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 75 Resp: 27114

Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.5	39.7

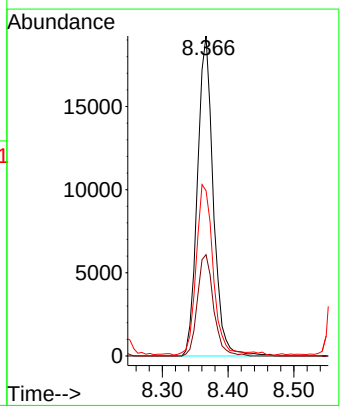


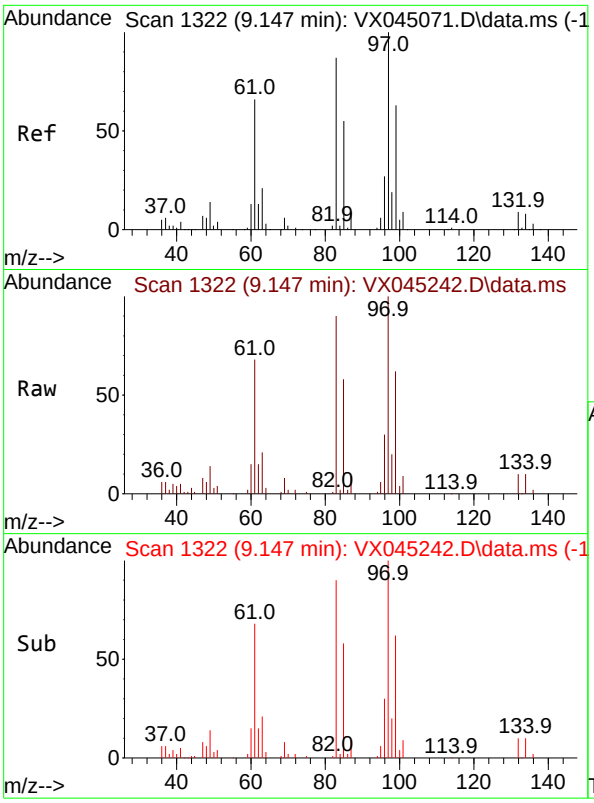


#54
cis-1,3-Dichloropropene
Concen: 19.719 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 32101

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	51.1	40.7	61.1



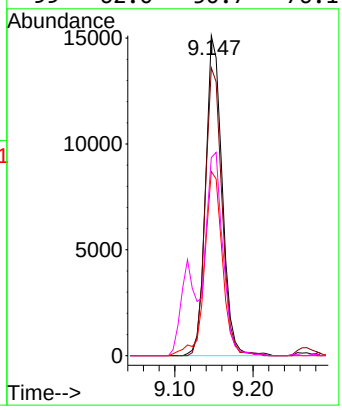


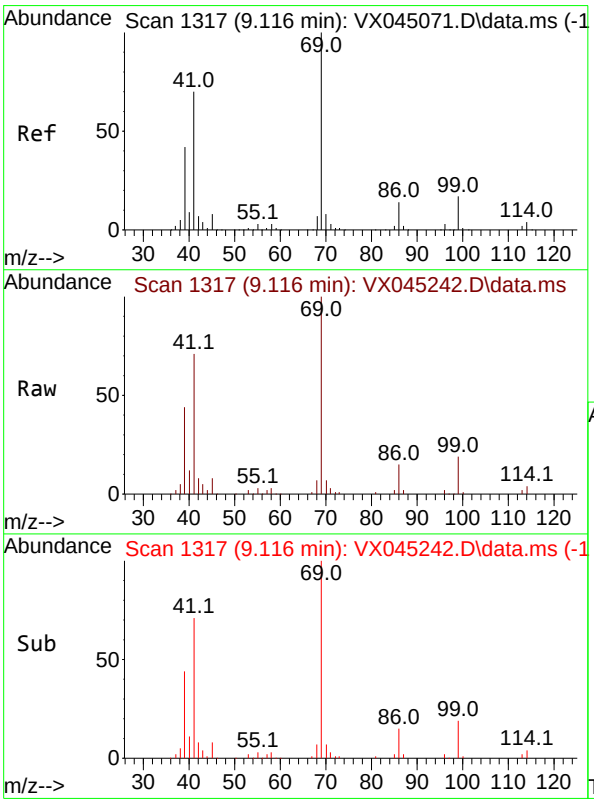
#55
1,1,2-Trichloroethane
Concen: 19.605 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 97 Resp: 22184

Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.4	104.2
85	57.6	44.1	66.1
99	62.0	50.7	76.1

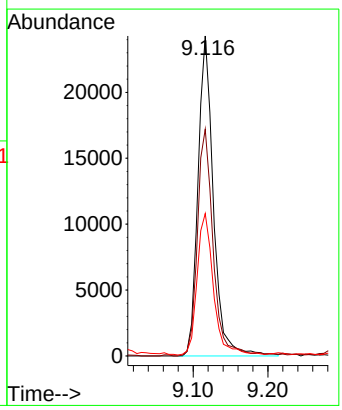


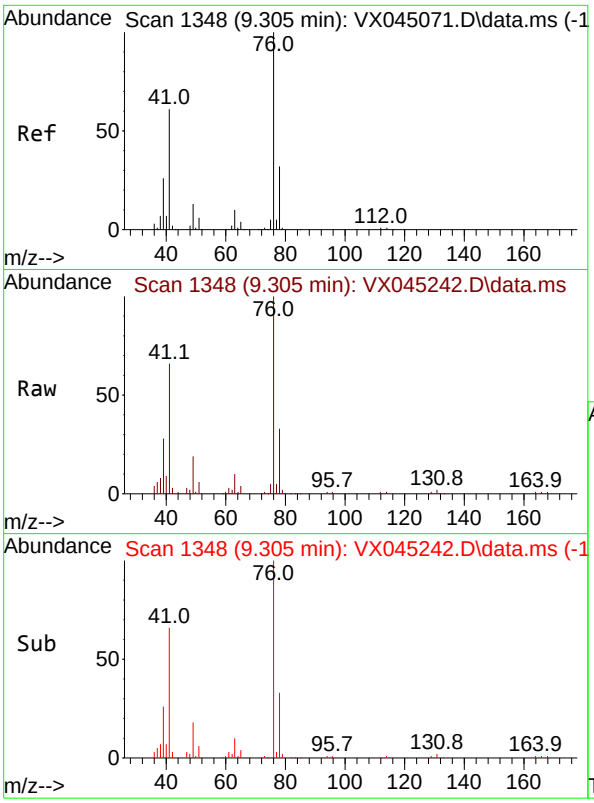


#56
Ethyl methacrylate
Concen: 20.219 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 69 Resp: 34777

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.4
39	46.8	34.2	51.4



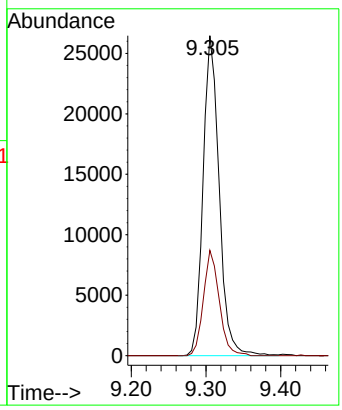


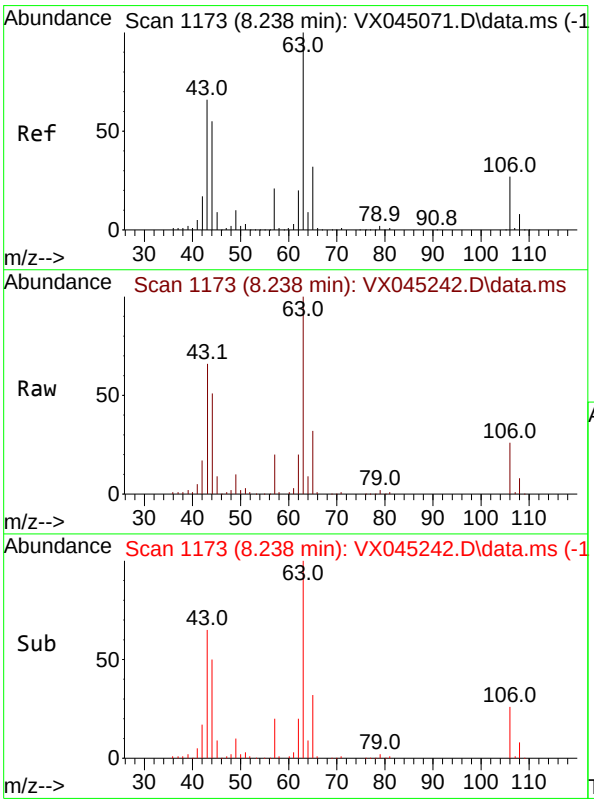
#57
1,3-Dichloropropane
Concen: 20.179 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 76 Resp: 39515

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

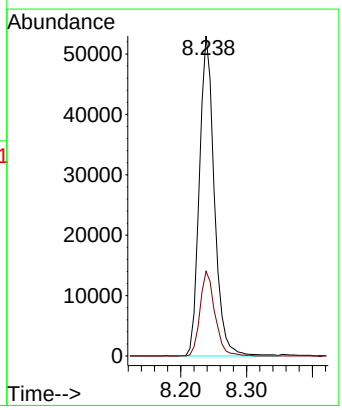


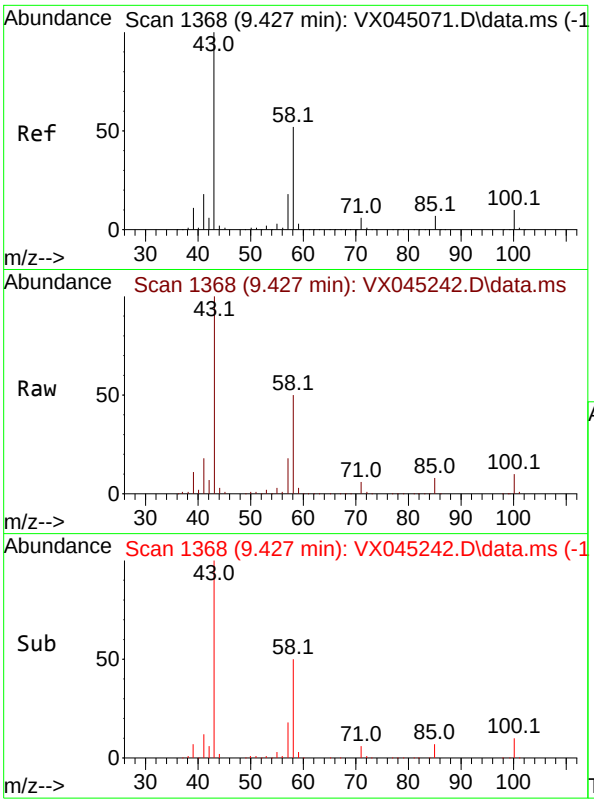


#58
2-Chloroethyl Vinyl ether
Concen: 99.837 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 63 Resp: 83766

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3



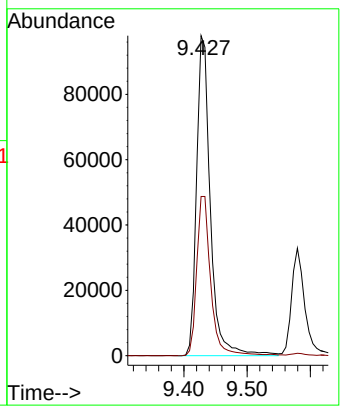


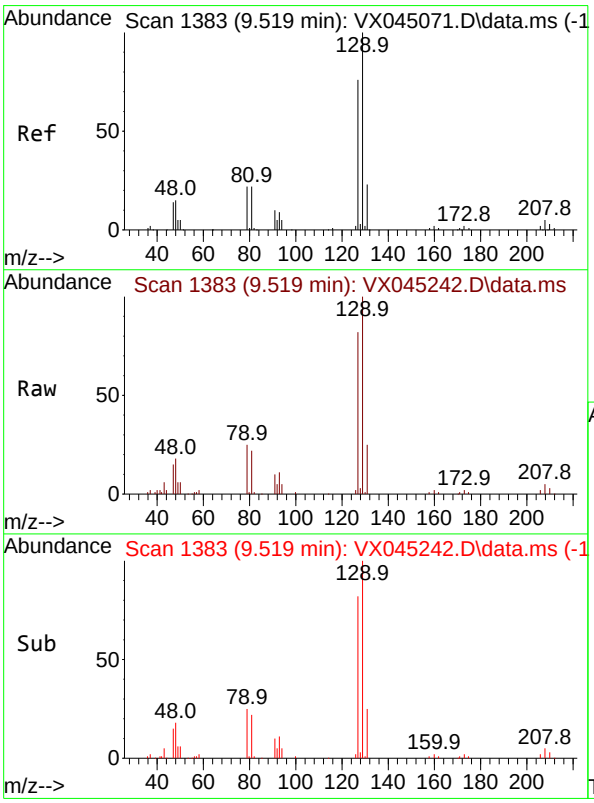
#59
2-Hexanone
Concen: 108.201 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 43 Resp: 148797

Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.9	77.6

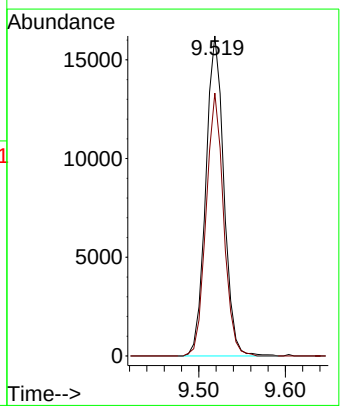


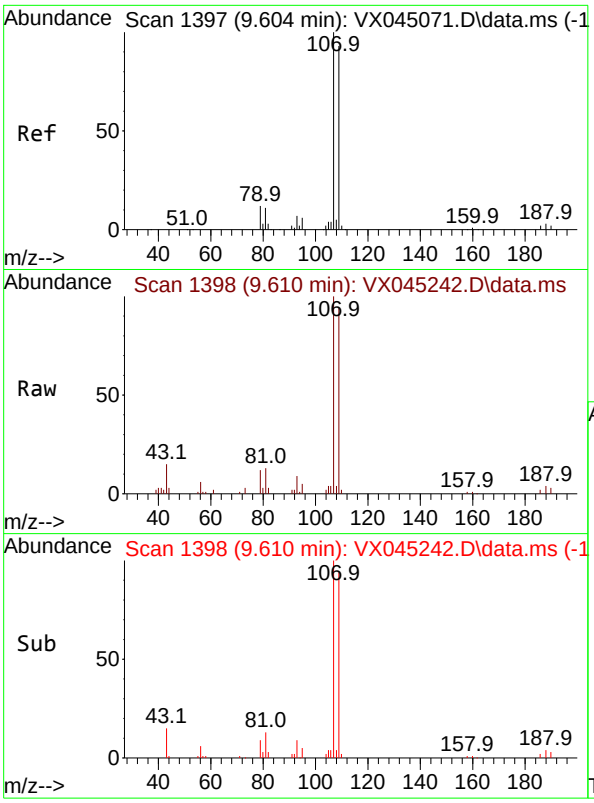


#60
Dibromochloromethane
Concen: 19.849 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:129 Resp: 23484

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.5



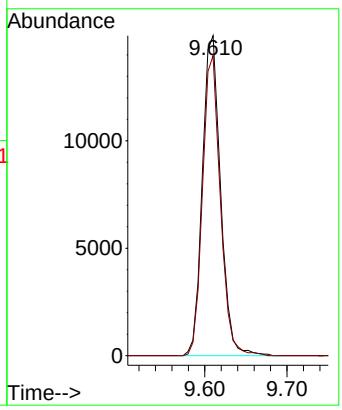


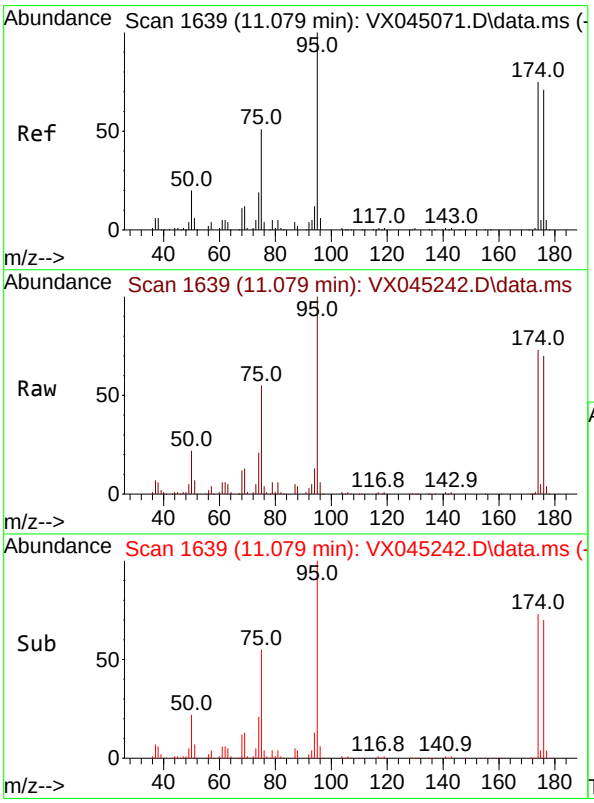
#61
1,2-Dibromoethane
Concen: 20.262 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:107 Resp: 22888

Ion	Ratio	Lower	Upper
107	100		
109	91.7	76.1	114.1

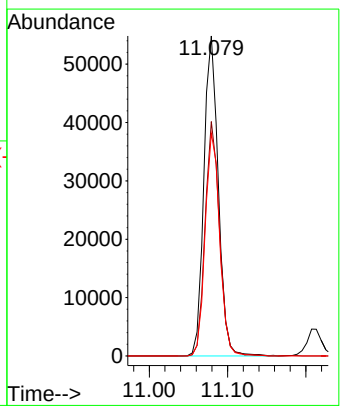


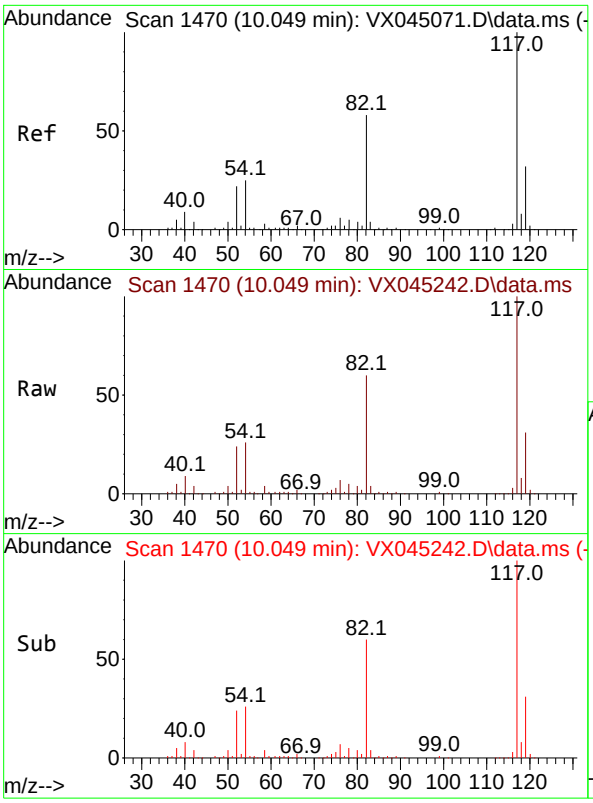


#62
4-Bromofluorobenzene
Concen: 53.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 95 Resp: 69972

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.2
176	70.1	0.0	141.4



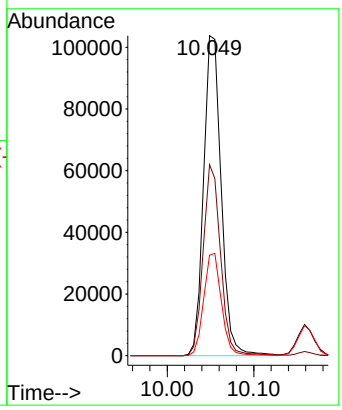


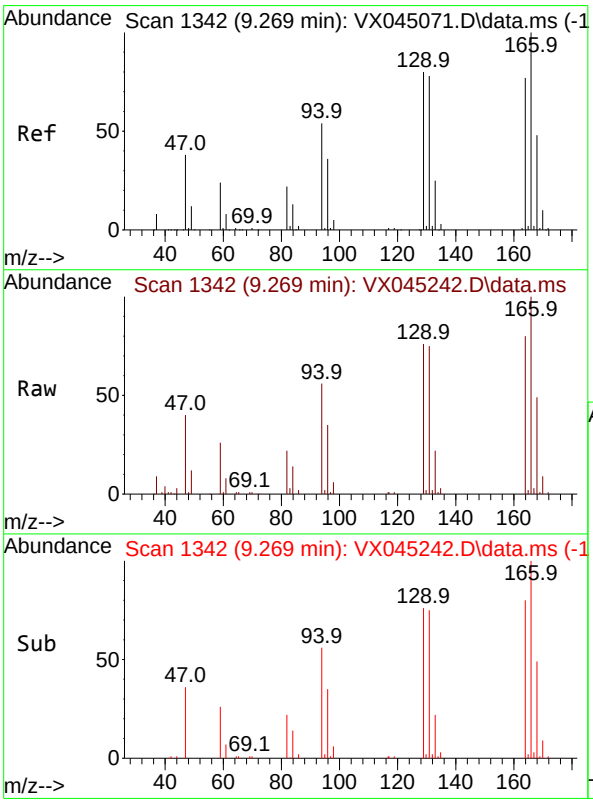
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:117 Resp: 146828

Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	31.4	25.7	38.5

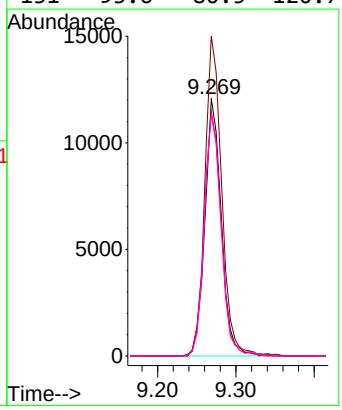


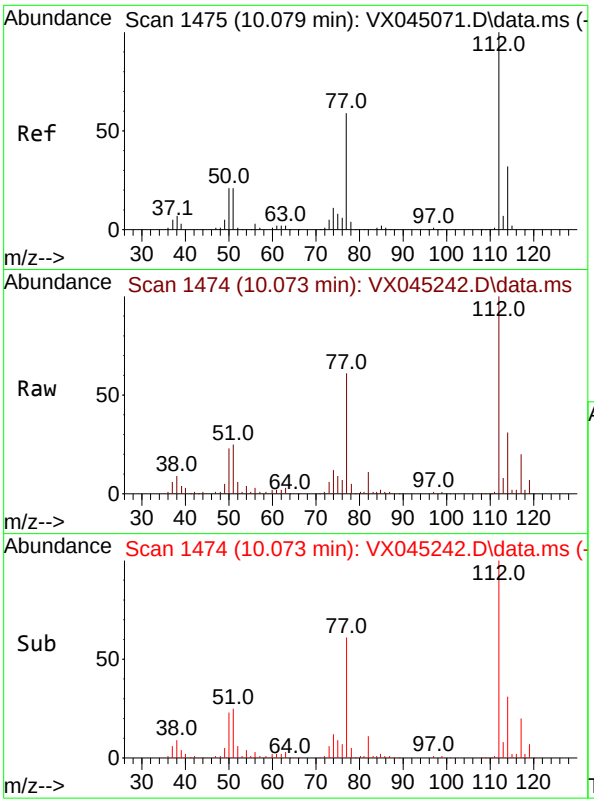


#64
Tetrachloroethene
Concen: 18.769 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:164 Resp: 17650

Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	95.1	82.7	124.1
131	93.6	80.5	120.7



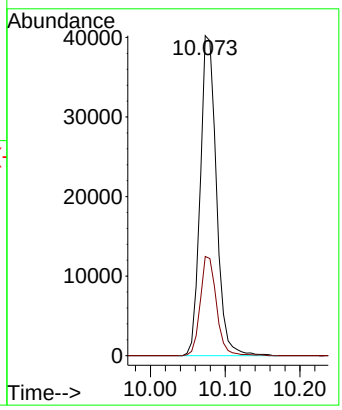


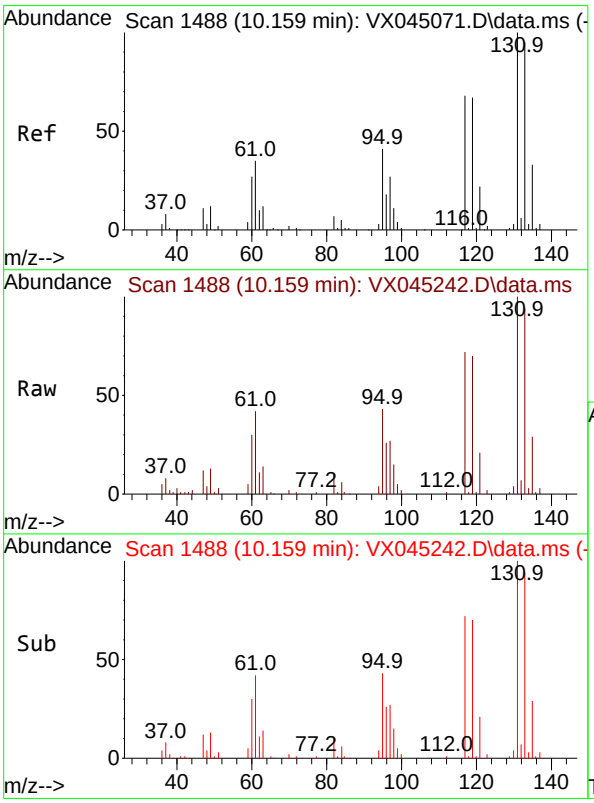
#65
Chlorobenzene
Concen: 19.450 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:112 Resp: 60427

Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.0	39.0

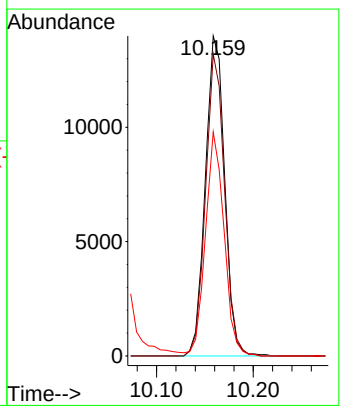


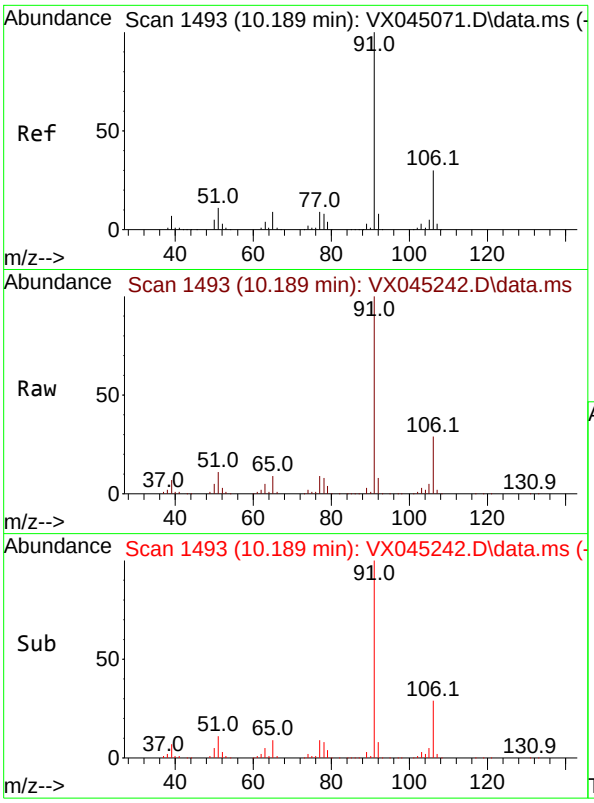


#66
1,1,1,2-Tetrachloroethane
Concen: 18.785 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:131 Resp: 19436

Ion	Ratio	Lower	Upper
131	100		
133	92.8	48.6	145.9
119	67.4	33.9	101.7



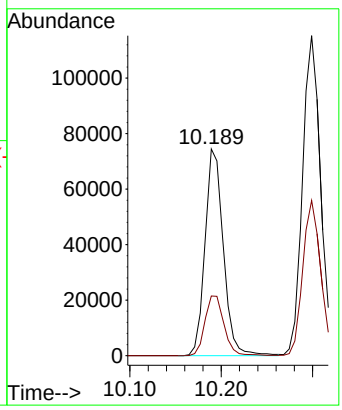


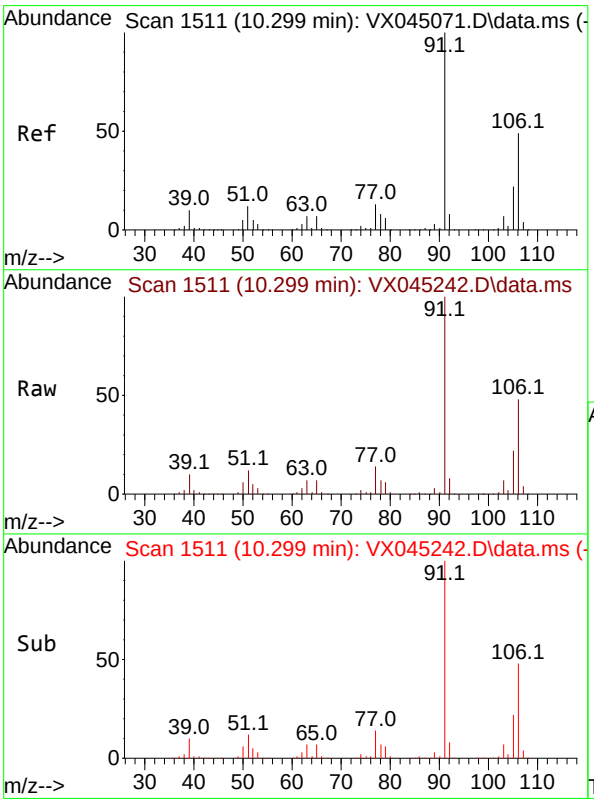
#67
Ethyl Benzene
Concen: 19.183 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 91 Resp: 103845

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.9	35.9

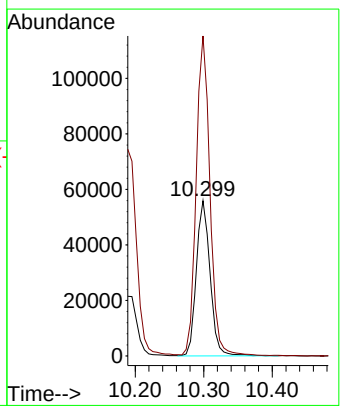


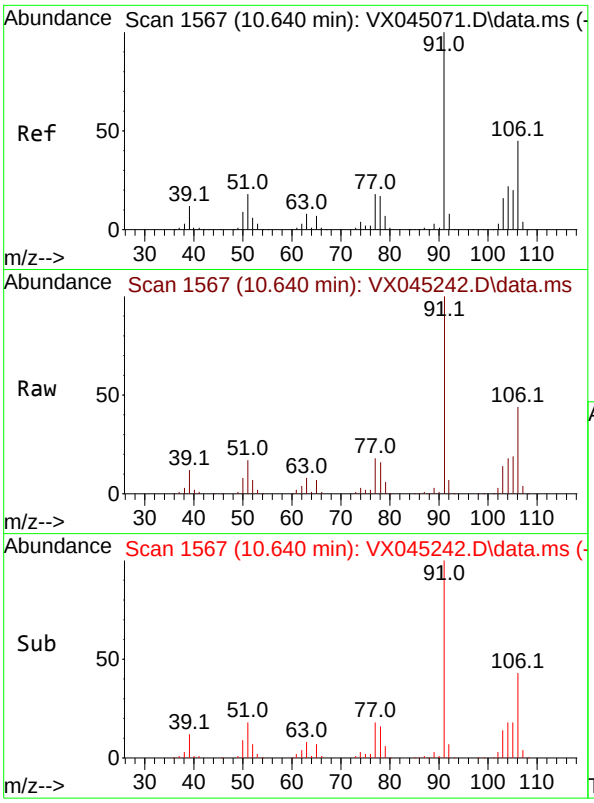


#68
m/p-Xylenes
Concen: 39.231 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:106 Resp: 77745

Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.4	248.0



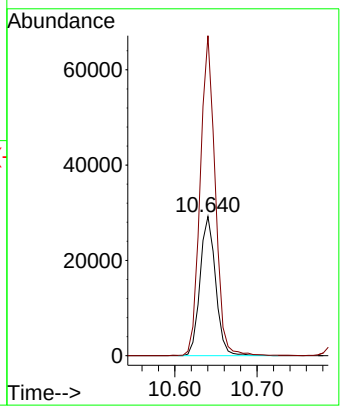


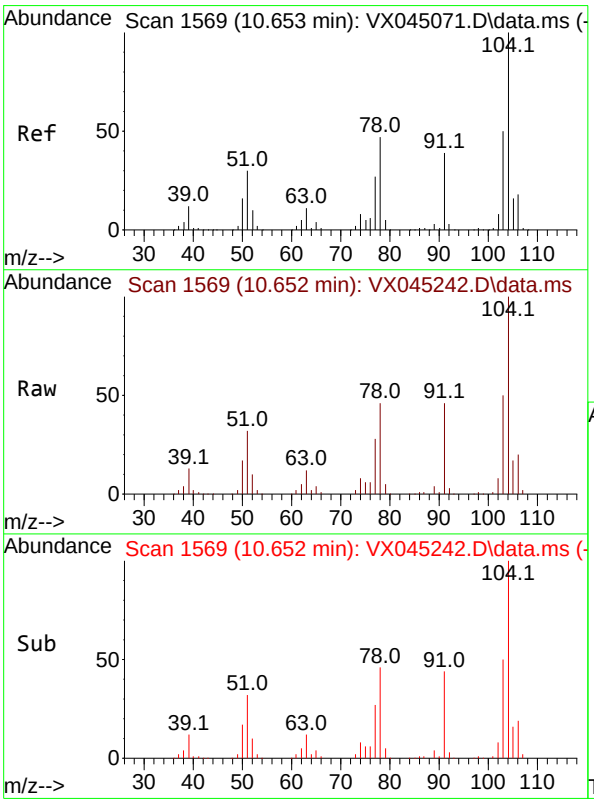
#69
o-Xylene
Concen: 19.243 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:106 Resp: 38461

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

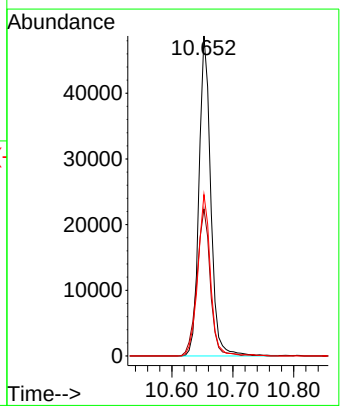


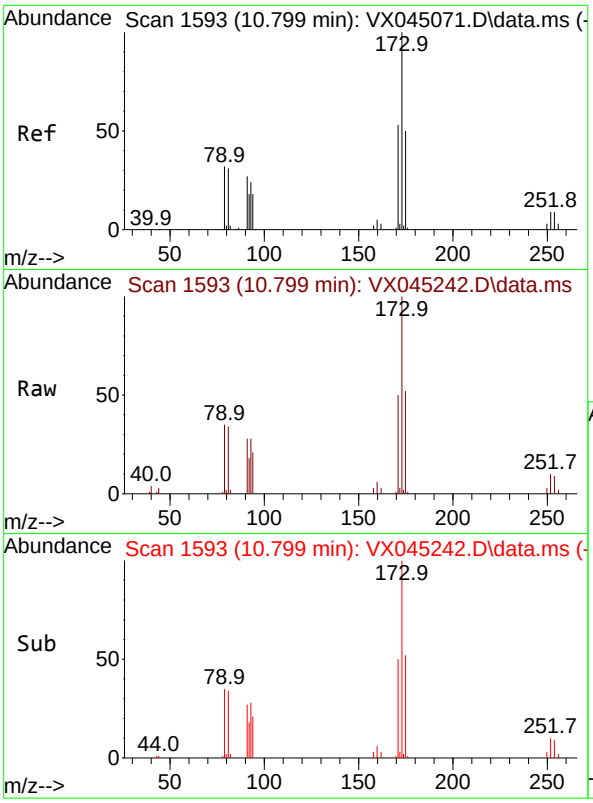


#70
Styrene
Concen: 20.165 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:104 Resp: 65215

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	53.8	43.8	65.8



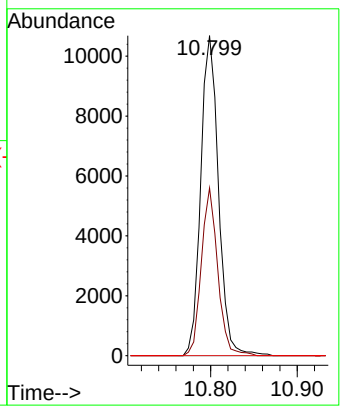


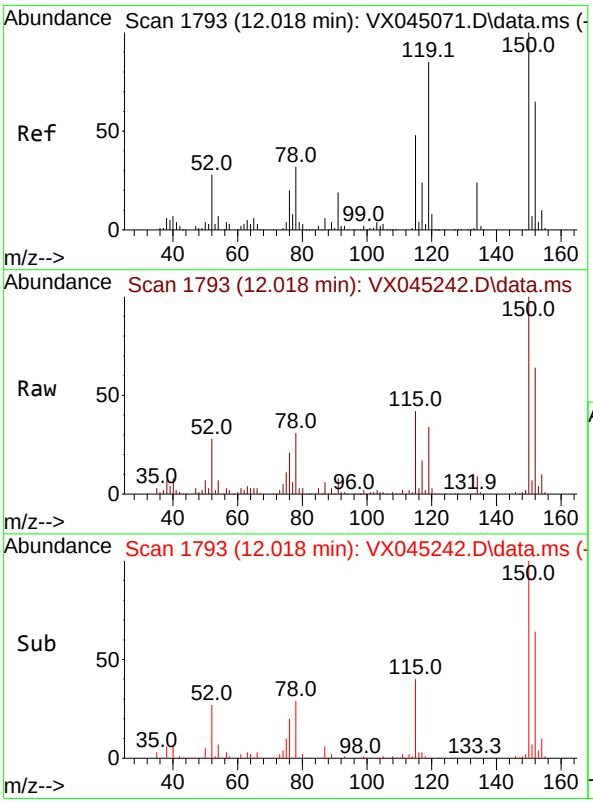
#71
Bromoform
Concen: 19.486 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:173 Resp: 15203

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0

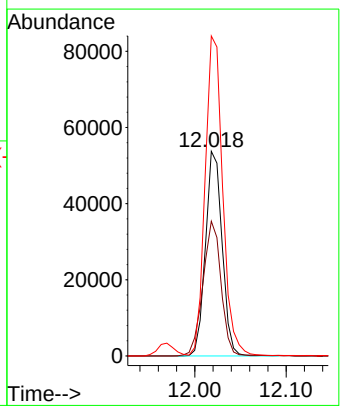


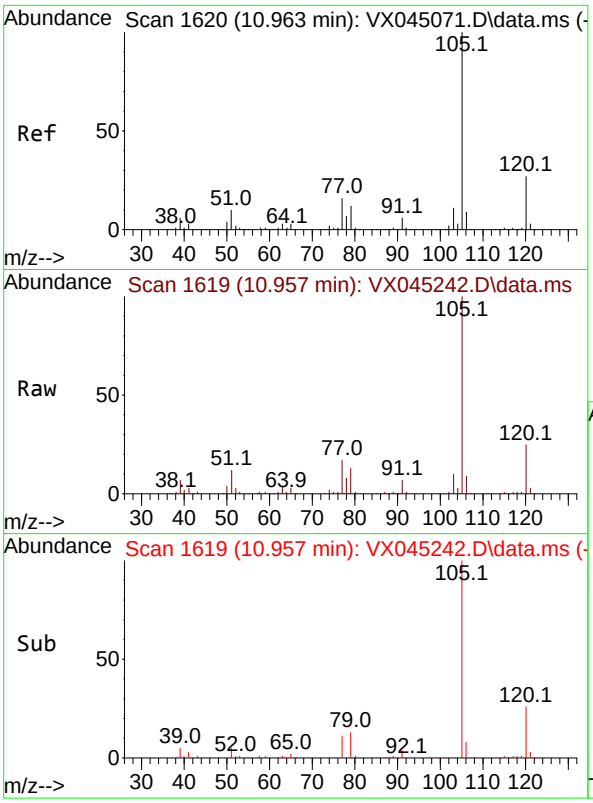


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:152 Resp: 67806

Ion	Ratio	Lower	Upper
152	100		
115	71.4	44.2	132.6
150	165.6	0.0	349.0



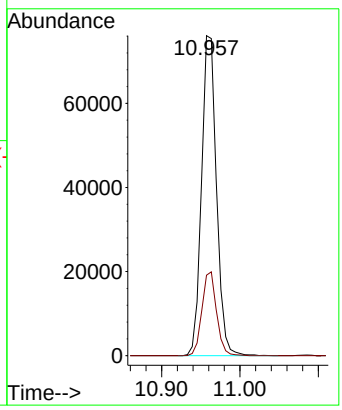


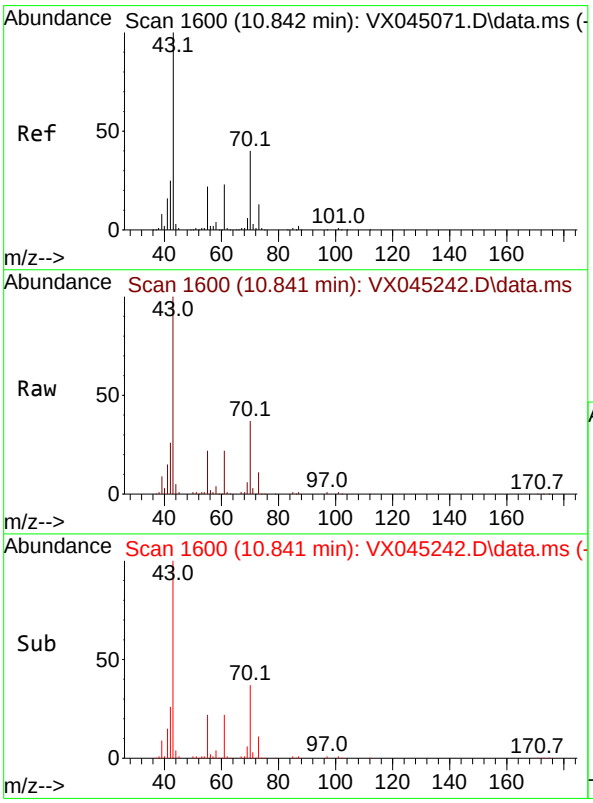
#73
Isopropylbenzene
Concen: 19.029 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:105 Resp: 100711

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

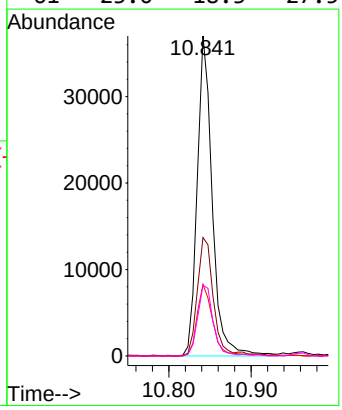


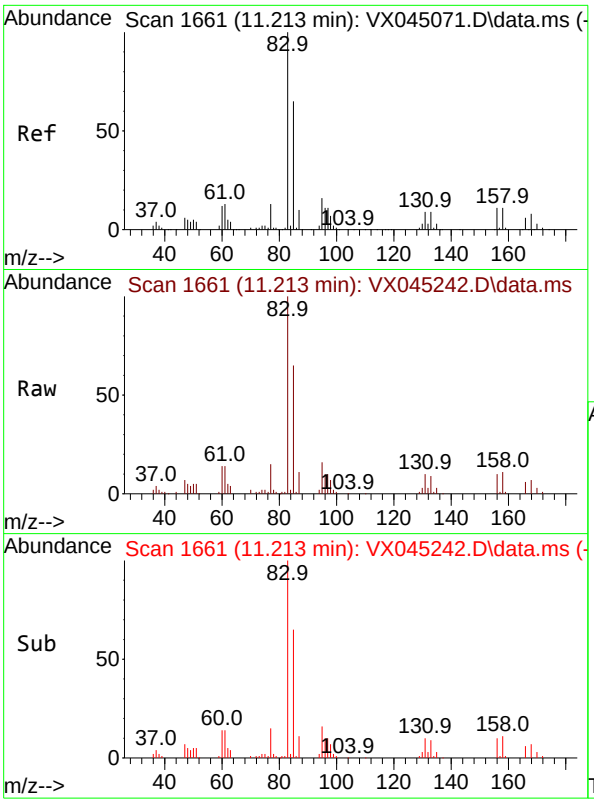


#74
N-amyl acetate
Concen: 19.079 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 43 Resp: 47380

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.4	18.3	27.5
61	23.0	18.3	27.5



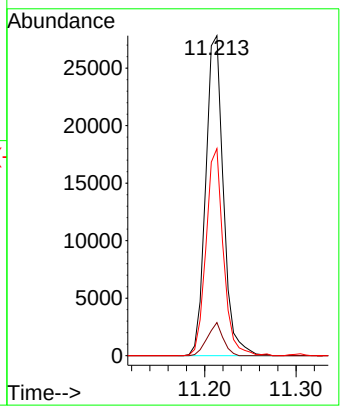


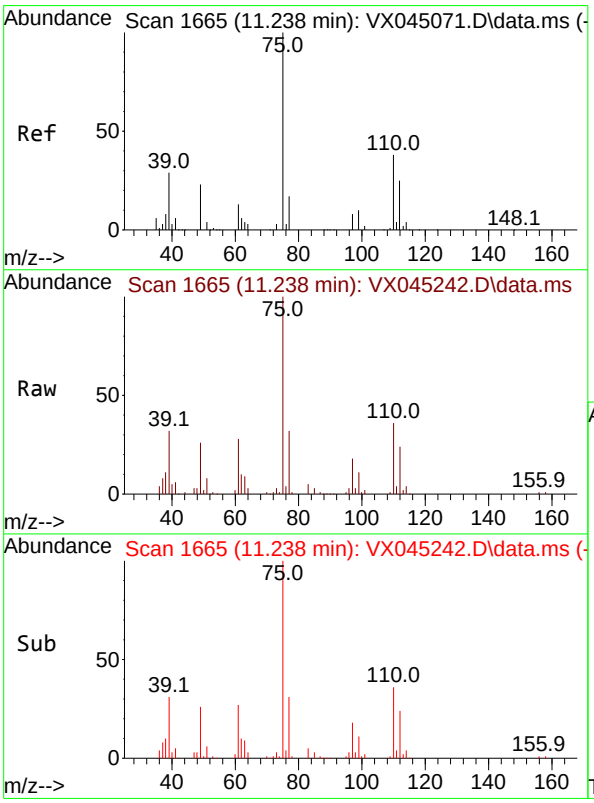
#75
1,1,2,2-Tetrachloroethane
Concen: 19.202 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 83 Resp: 37293

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.6	31.7	95.1

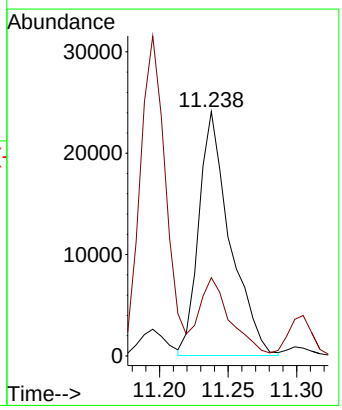


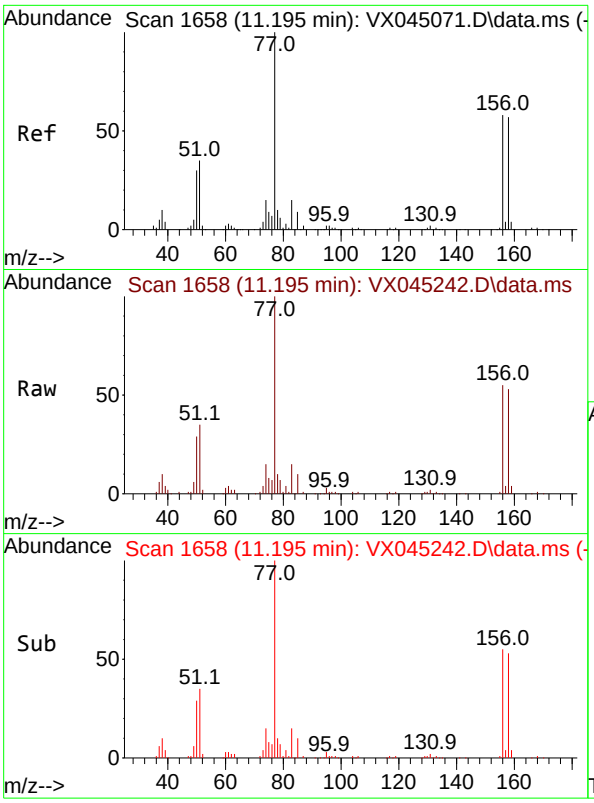


#76
1,2,3-Trichloropropane
Concen: 24.133 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 38086

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.7	62.1



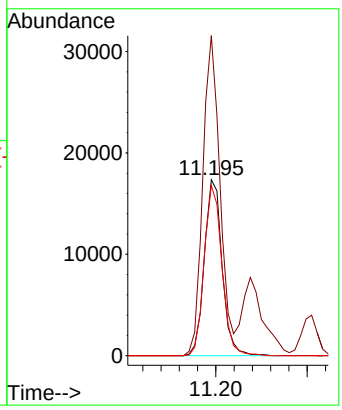


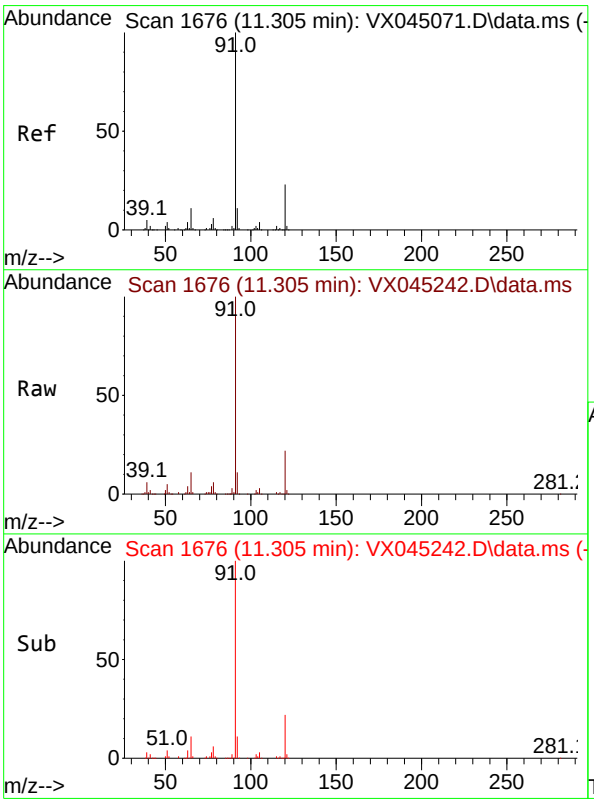
#77
Bromobenzene
Concen: 18.771 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:156 Resp: 23439

Ion	Ratio	Lower	Upper
156	100		
77	175.4	85.8	257.4
158	96.7	48.4	145.2

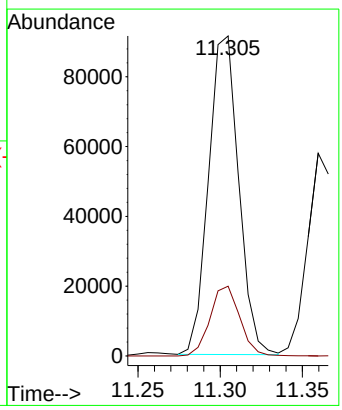


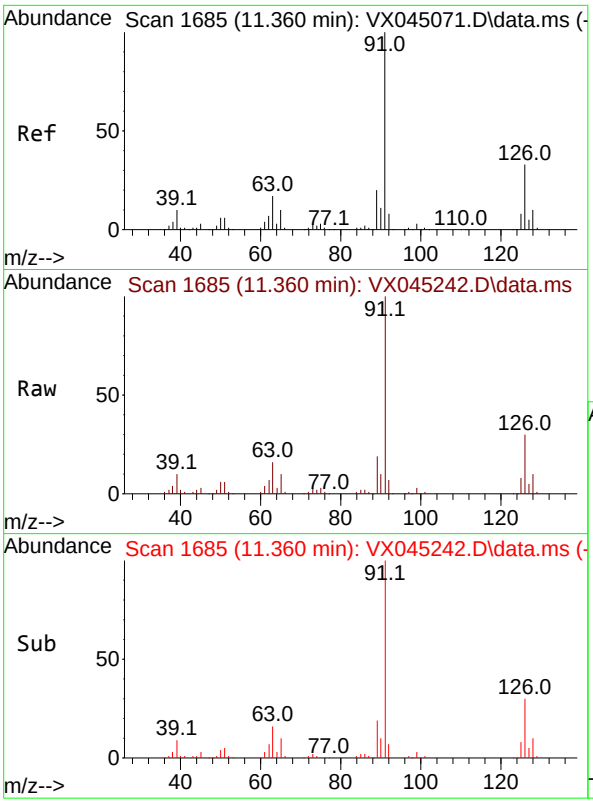


#78
n-propylbenzene
Concen: 19.467 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 91 Resp: 116384

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



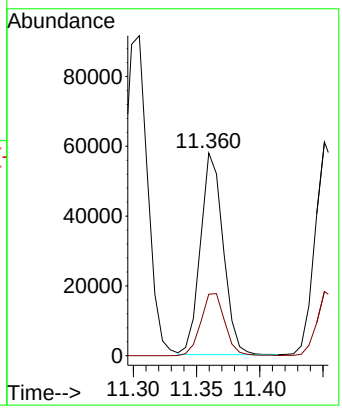


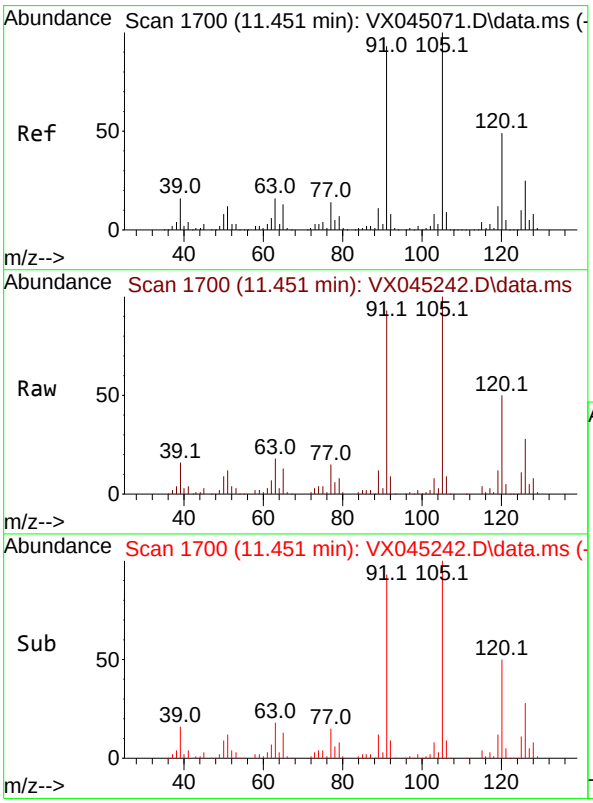
#79
2-Chlorotoluene
Concen: 18.999 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 91 Resp: 72340

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

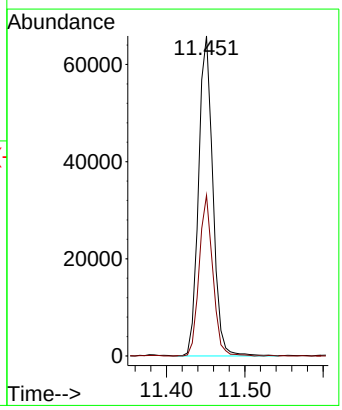


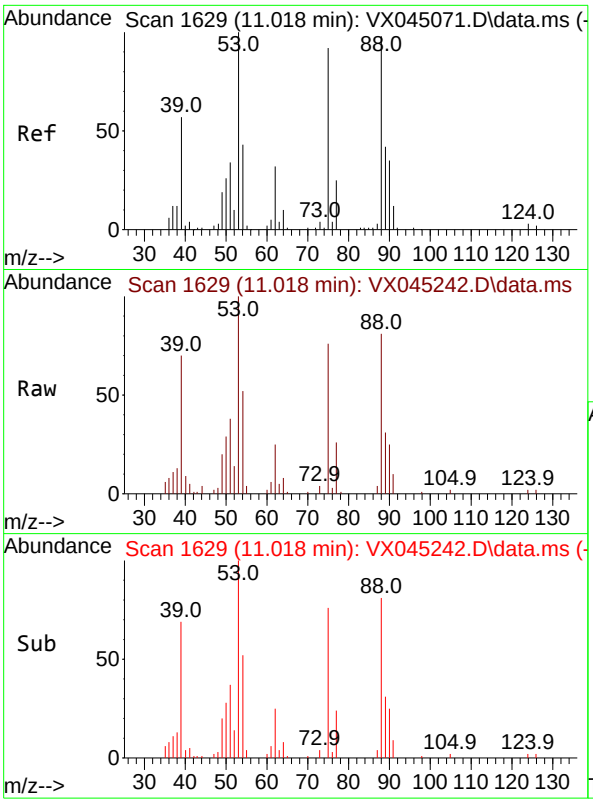


#80
1,3,5-Trimethylbenzene
Concen: 19.530 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:105 Resp: 83574

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



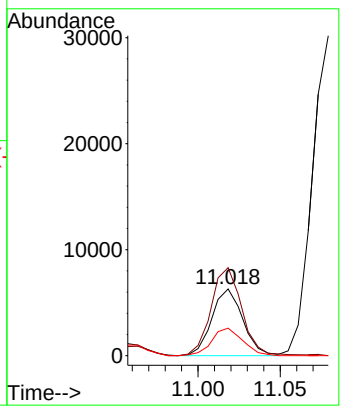


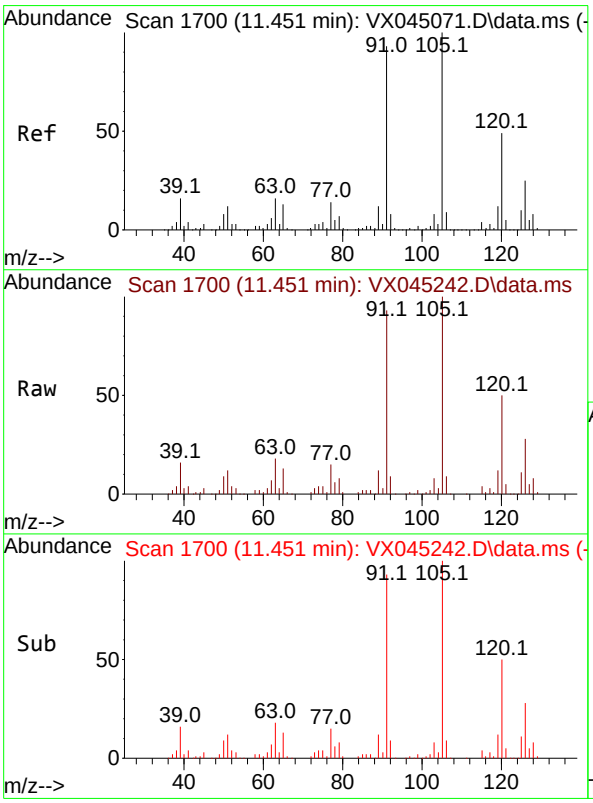
#81
trans-1,4-Dichloro-2-butene
Concen: 17.898 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 75 Resp: 8254

Ion	Ratio	Lower	Upper
75	100		
53	131.5	88.5	132.7
89	41.3	36.2	54.4

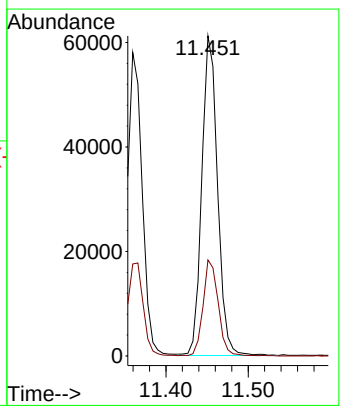


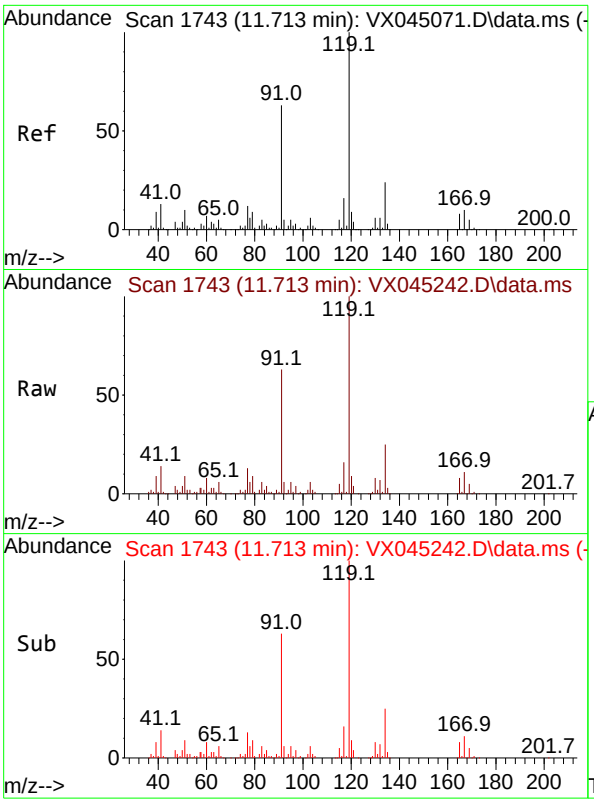


#82
4-Chlorotoluene
Concen: 19.647 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 91 Resp: 81530

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



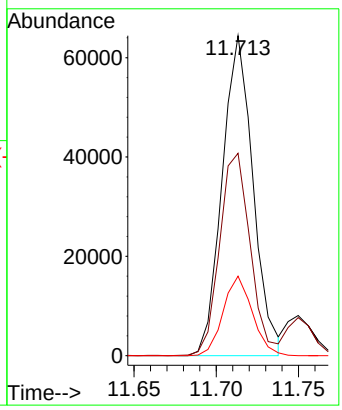


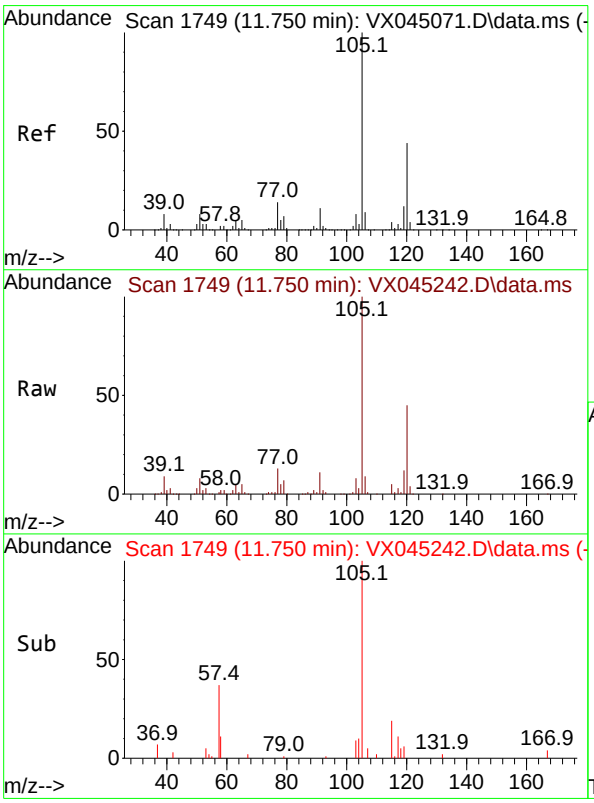
#83
tert-Butylbenzene
Concen: 19.126 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:119 Resp: 84095

Ion	Ratio	Lower	Upper
119	100		
91	63.1	30.7	92.1
134	23.6	11.7	35.0

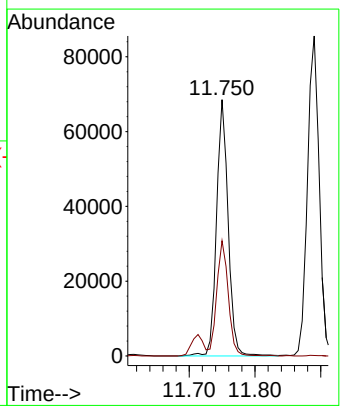


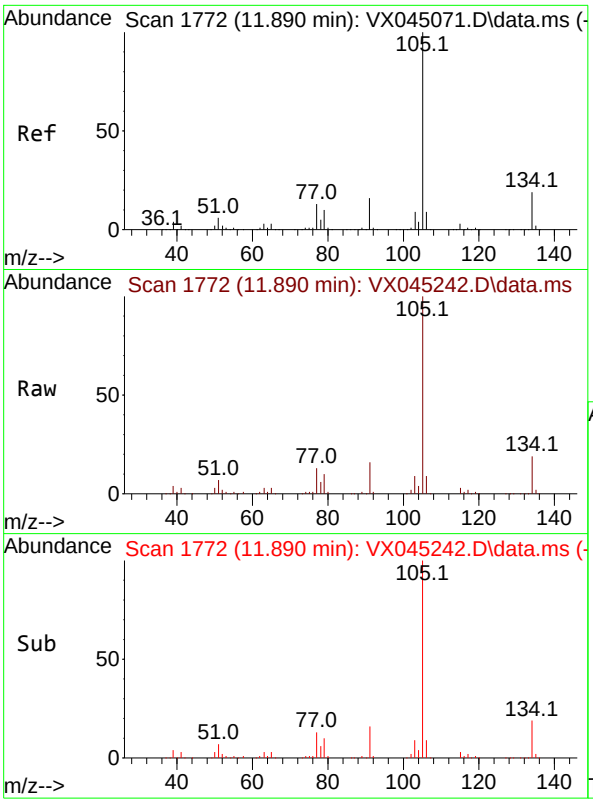


#84
1,2,4-Trimethylbenzene
Concen: 19.563 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:105 Resp: 84235

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1



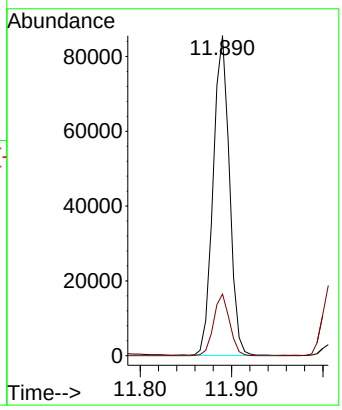


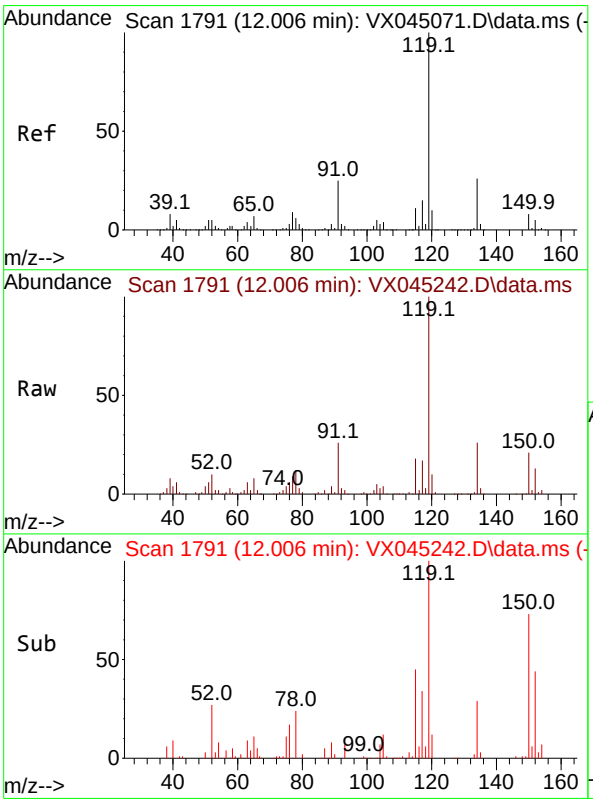
#85
sec-Butylbenzene
Concen: 20.068 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:105 Resp: 105696

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.4

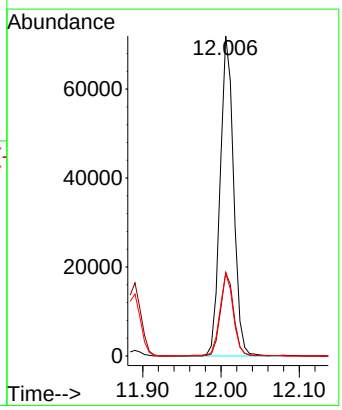


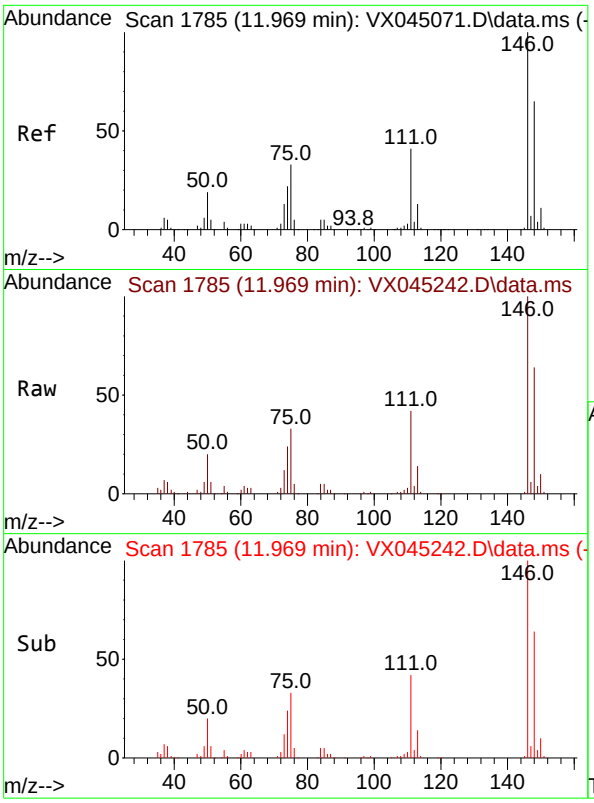


#86
p-Isopropyltoluene
Concen: 20.245 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:119 Resp: 86171

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	25.6	12.7	38.0



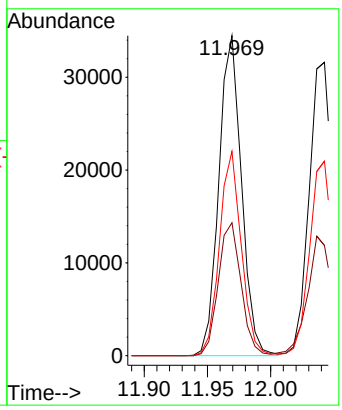


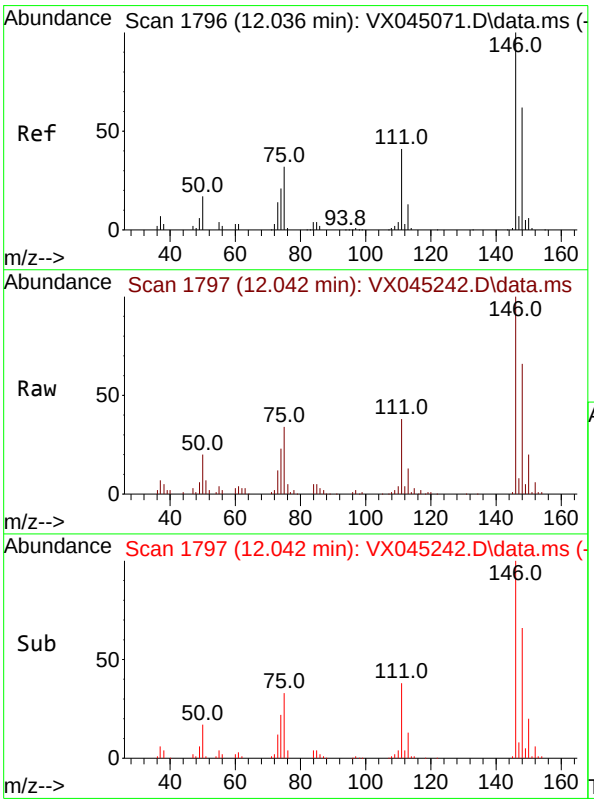
#87
1,3-Dichlorobenzene
Concen: 19.254 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:146 Resp: 42891

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	61.8	31.9	95.7

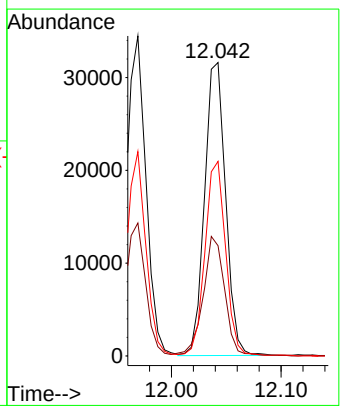


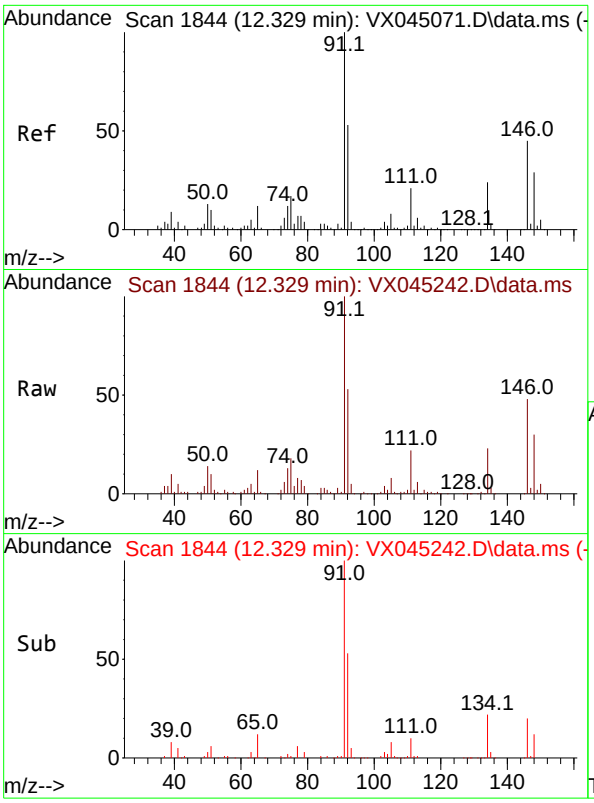


#88
1,4-Dichlorobenzene
Concen: 18.661 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:146 Resp: 42057

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.2	60.5
148	64.7	31.9	95.9



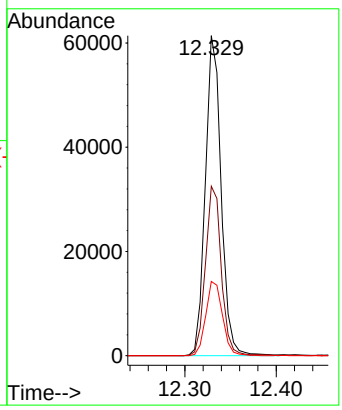


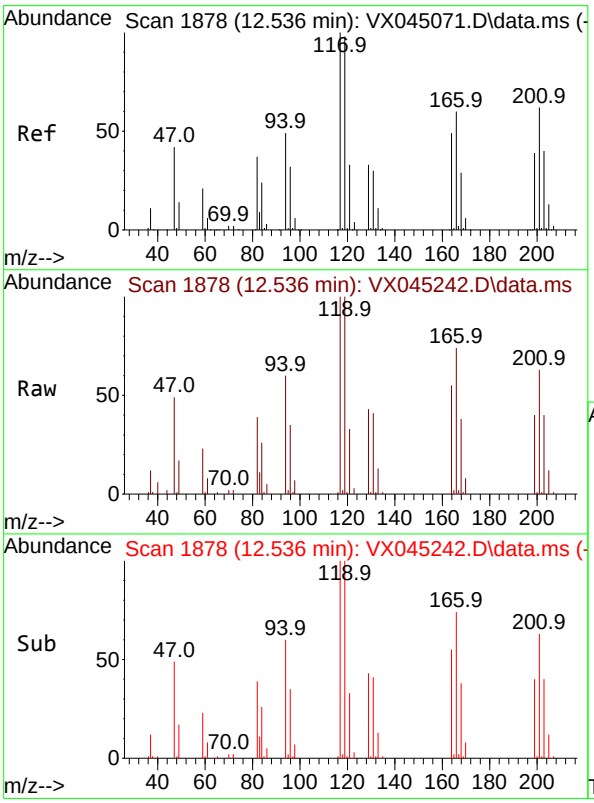
#89
n-Butylbenzene
Concen: 20.035 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion: 91 Resp: 73449

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.5	12.2	36.6

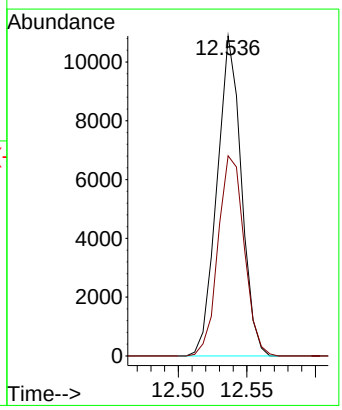


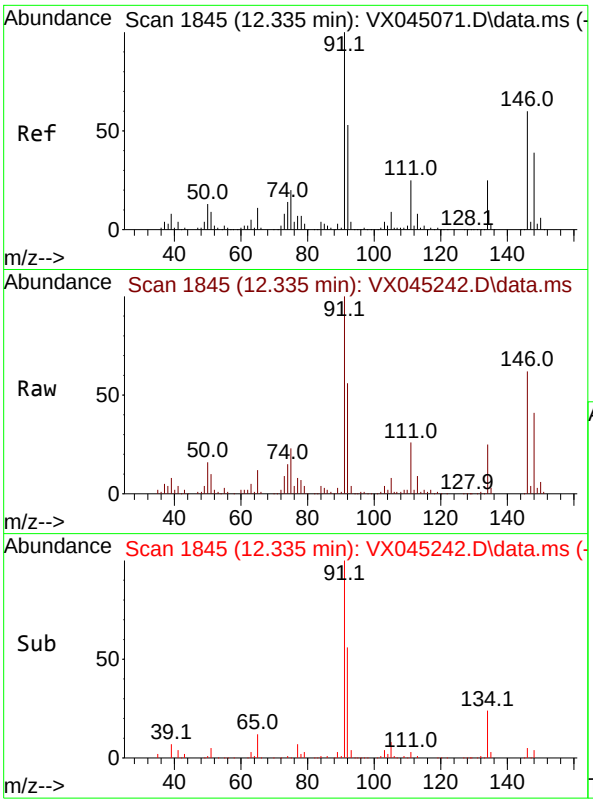


#90
Hexachloroethane
Concen: 17.445 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:117 Resp: 13431

Ion	Ratio	Lower	Upper
117	100		
201	67.3	31.9	95.9



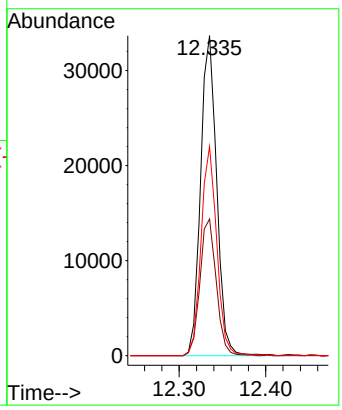


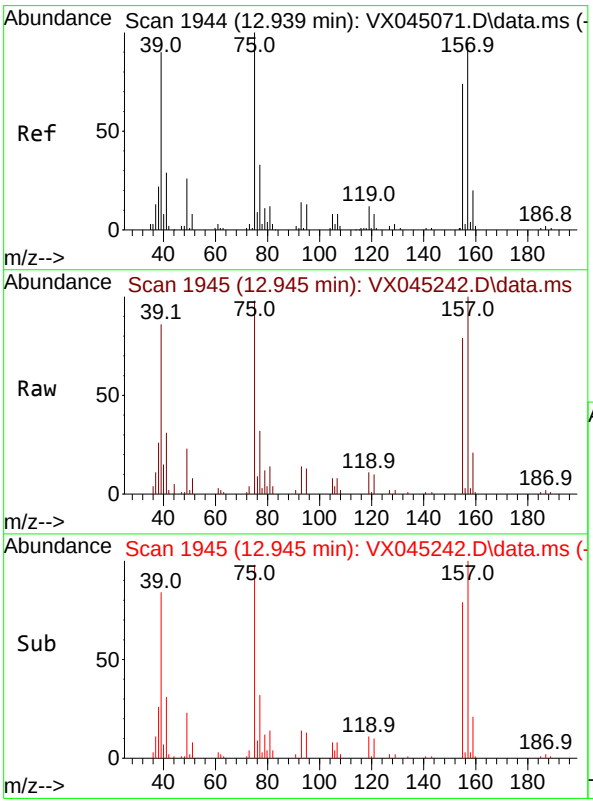
#91
1,2-Dichlorobenzene
Concen: 19.429 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:146 Resp: 43417

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	63.9	31.9	95.9

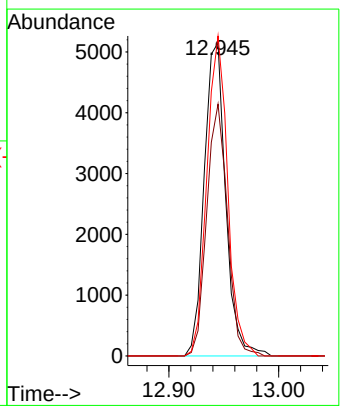


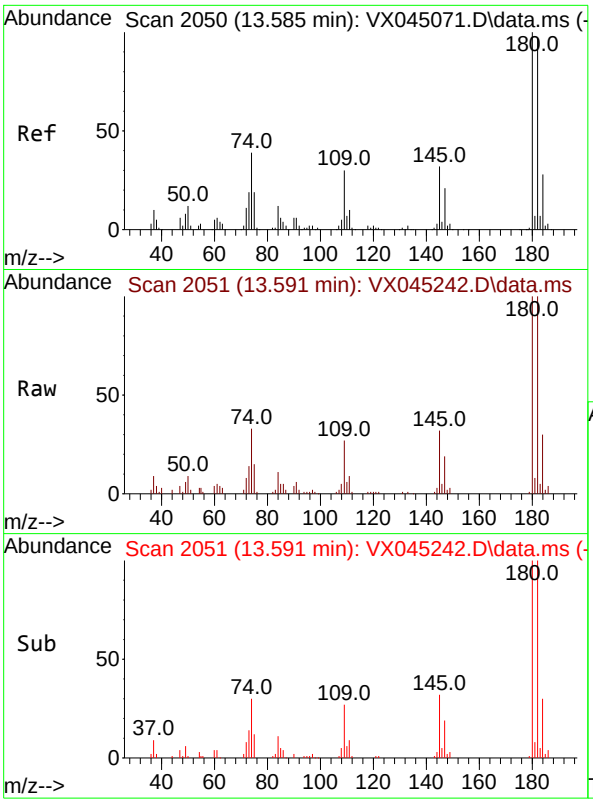


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.480 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion: 75 Resp: 6992

Ion	Ratio	Lower	Upper
75	100		
155	77.7	39.6	118.7
157	99.1	51.1	153.4



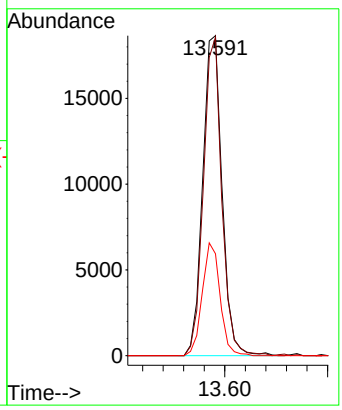


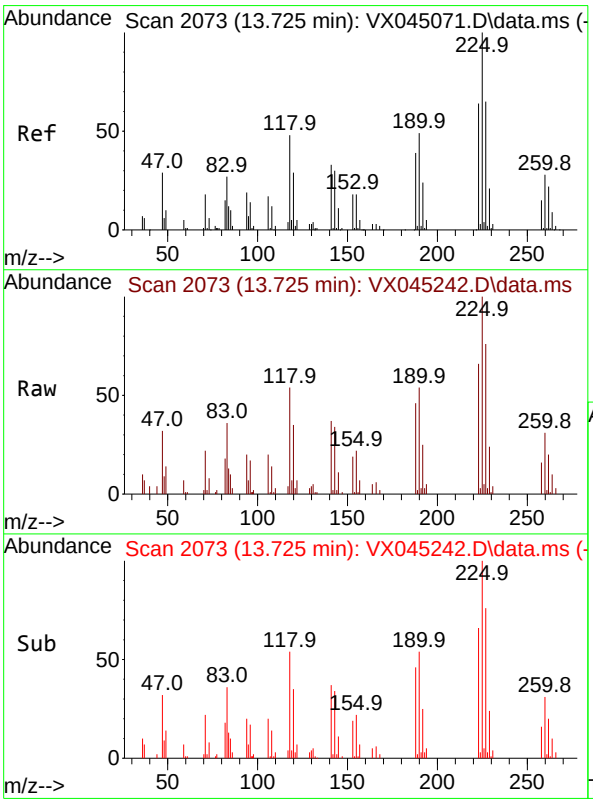
#93
1,2,4-Trichlorobenzene
Concen: 19.222 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:180 Resp: 24458

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	32.4	16.3	48.9

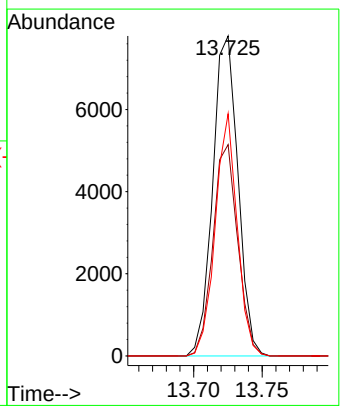


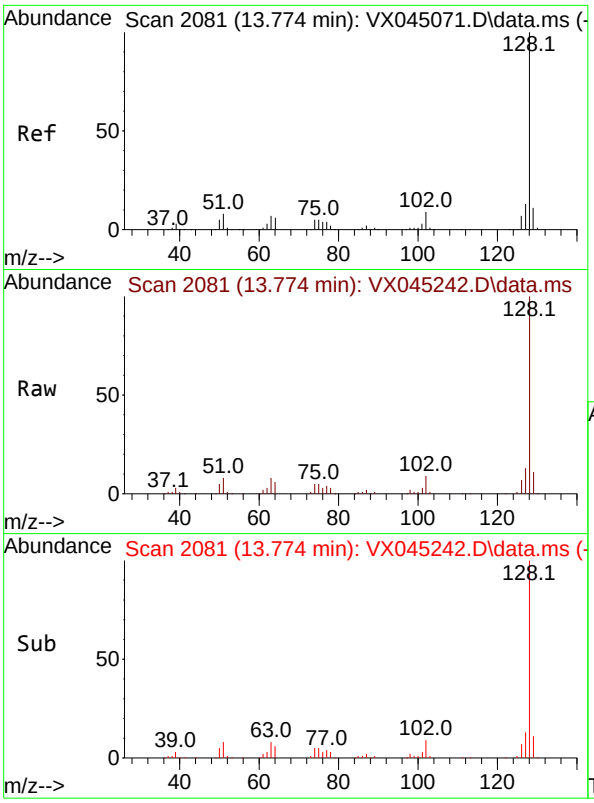


#94
Hexachlorobutadiene
Concen: 19.116 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:225 Resp: 9972

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	65.8	31.4	94.0



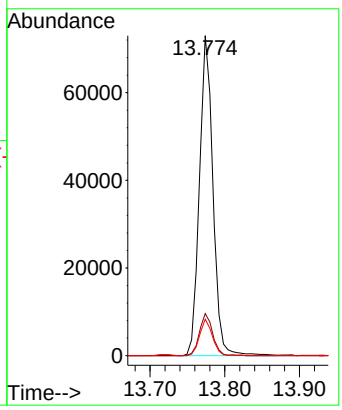


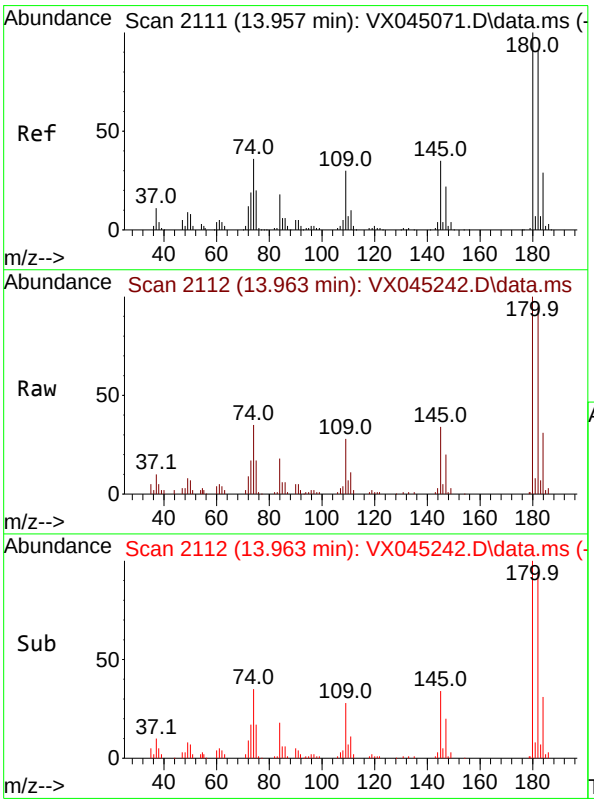
#95
Naphthalene
Concen: 18.778 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tgt Ion:128 Resp: 91799

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

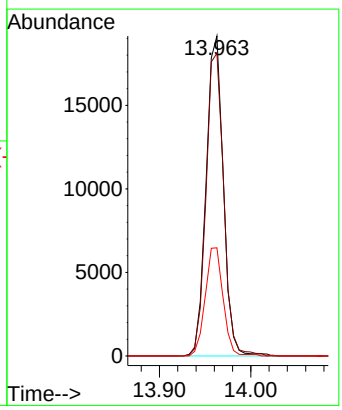




#96
1,2,3-Trichlorobenzene
Concen: 18.677 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045242.D
Acq: 12 Mar 2025 12:38

Tgt Ion:180 Resp: 25071

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.5	142.6
145	35.2	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	93396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79500	53.514	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.020%			
35) Dibromofluoromethane	5.379	113	60174	54.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.500%			
50) Toluene-d8	8.647	98	213132	53.489	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	11.079	95	75812	57.417	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	57591	48.987	ug/l	93
3) Chloromethane	1.307	50	66918	46.512	ug/l	96
4) Vinyl Chloride	1.374	62	64013	44.851	ug/l	98
5) Bromomethane	1.593	94	28286	50.415	ug/l	100
6) Chloroethane	1.666	64	35330	53.667	ug/l	97
7) Trichlorofluoromethane	1.874	101	95550	50.572	ug/l	98
8) Diethyl Ether	2.130	74	34106	46.150	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59218	54.554	ug/l	99
10) Methyl Iodide	2.447	142	74674	55.048	ug/l	97
11) Tert butyl alcohol	2.977	59	58436	207.664	ug/l	99
12) 1,1-Dichloroethene	2.313	96	57422	50.035	ug/l	99
13) Acrolein	2.233	56	80984	248.962	ug/l	98
14) Allyl chloride	2.654	41	110910	54.292	ug/l	97
15) Acrylonitrile	3.062	53	201614	267.331	ug/l	100
16) Acetone	2.380	43	178671	259.217	ug/l	98
17) Carbon Disulfide	2.502	76	133037	43.523	ug/l	97
18) Methyl Acetate	2.703	43	98551	59.434	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	198728	51.613	ug/l	99
20) Methylene Chloride	2.782	84	68354	50.063	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	57514	50.727	ug/l	99
22) Diisopropyl ether	3.757	45	219898	52.928	ug/l	90
23) Vinyl Acetate	3.721	43	917878	264.740	ug/l	99
24) 1,1-Dichloroethane	3.605	63	121070	51.997	ug/l	98
25) 2-Butanone	4.556	43	280679	270.527	ug/l	100
26) 2,2-Dichloropropane	4.465	77	78898	72.241	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	71890	51.364	ug/l	93
28) Bromochloromethane	4.891	49	55439	49.953	ug/l	99
29) Tetrahydrofuran	5.001	42	177084	254.157	ug/l	100
30) Chloroform	5.086	83	120307	52.001	ug/l	100
31) Cyclohexane	5.458	56	102229	50.579	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	98373	52.647	ug/l	98
36) 1,1-Dichloropropene	5.690	75	78386	52.005	ug/l	99
37) Ethyl Acetate	4.708	43	102503	52.776	ug/l	99
38) Carbon Tetrachloride	5.672	117	80618	52.683	ug/l	99
39) Methylcyclohexane	7.373	83	99499	55.091	ug/l	99
40) Benzene	6.031	78	250003	52.525	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	59513	56.668	ug/l		99
42) 1,2-Dichloroethane	6.080	62	94681	55.241	ug/l		99
43) Isopropyl Acetate	6.336	43	159069	55.386	ug/l		100
44) Trichloroethene	7.123	130	57915	51.820	ug/l		100
45) 1,2-Dichloropropane	7.428	63	63147	51.601	ug/l		99
46) Dibromomethane	7.574	93	47112	54.467	ug/l		97
47) Bromodichloromethane	7.818	83	94011	55.411	ug/l		100
48) Methyl methacrylate	7.690	41	80635	55.963	ug/l		97
49) 1,4-Dioxane	7.659	88	26677	877.723	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	545448	282.851	ug/l		100
52) Toluene	8.714	92	152454	54.592	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	81984	57.801	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	95282	57.608	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	62455	54.326	ug/l		99
56) Ethyl methacrylate	9.116	69	99307	56.827	ug/l		96
57) 1,3-Dichloropropane	9.305	76	108760	54.666	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257633	302.223	ug/l		99
59) 2-Hexanone	9.427	43	394107	282.068	ug/l		100
60) Dibromochloromethane	9.519	129	67396	56.067	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62339	54.317	ug/l		98
64) Tetrachloroethene	9.269	164	48618	51.818	ug/l		98
65) Chlorobenzene	10.079	112	162262	52.346	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54040	52.349	ug/l		97
67) Ethyl Benzene	10.189	91	294120	54.454	ug/l		99
68) m/p-Xylenes	10.299	106	216917	109.706	ug/l		99
69) o-Xylene	10.640	106	108543	54.430	ug/l		99
70) Styrene	10.653	104	179718	55.697	ug/l		99
71) Bromoform	10.799	173	41558	53.386	ug/l	#	99
73) Isopropylbenzene	10.957	105	281848	56.246	ug/l		99
74) N-amyl acetate	10.842	43	131774	56.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93844	51.034	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	98916	66.197	ug/l		86
77) Bromobenzene	11.195	156	63287	53.528	ug/l		98
78) n-propylbenzene	11.299	91	327763	57.903	ug/l		98
79) 2-Chlorotoluene	11.360	91	193334	53.629	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	226942	56.011	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	24319	55.696	ug/l		93
82) 4-Chlorotoluene	11.451	91	219795	55.942	ug/l		99
83) tert-Butylbenzene	11.713	119	229318	55.084	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	227959	55.915	ug/l		99
85) sec-Butylbenzene	11.890	105	289541	58.061	ug/l		98
86) p-Isopropyltoluene	12.006	119	230863	57.285	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	112951	53.552	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112234	52.597	ug/l		99
89) n-Butylbenzene	12.329	91	208311	60.015	ug/l		100
90) Hexachloroethane	12.536	117	39749	54.530	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111724	52.805	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19355	54.028	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	65467	54.341	ug/l		99
94) Hexachlorobutadiene	13.725	225	26325	53.298	ug/l		98
95) Naphthalene	13.774	128	248016	53.582	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66692	52.474	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

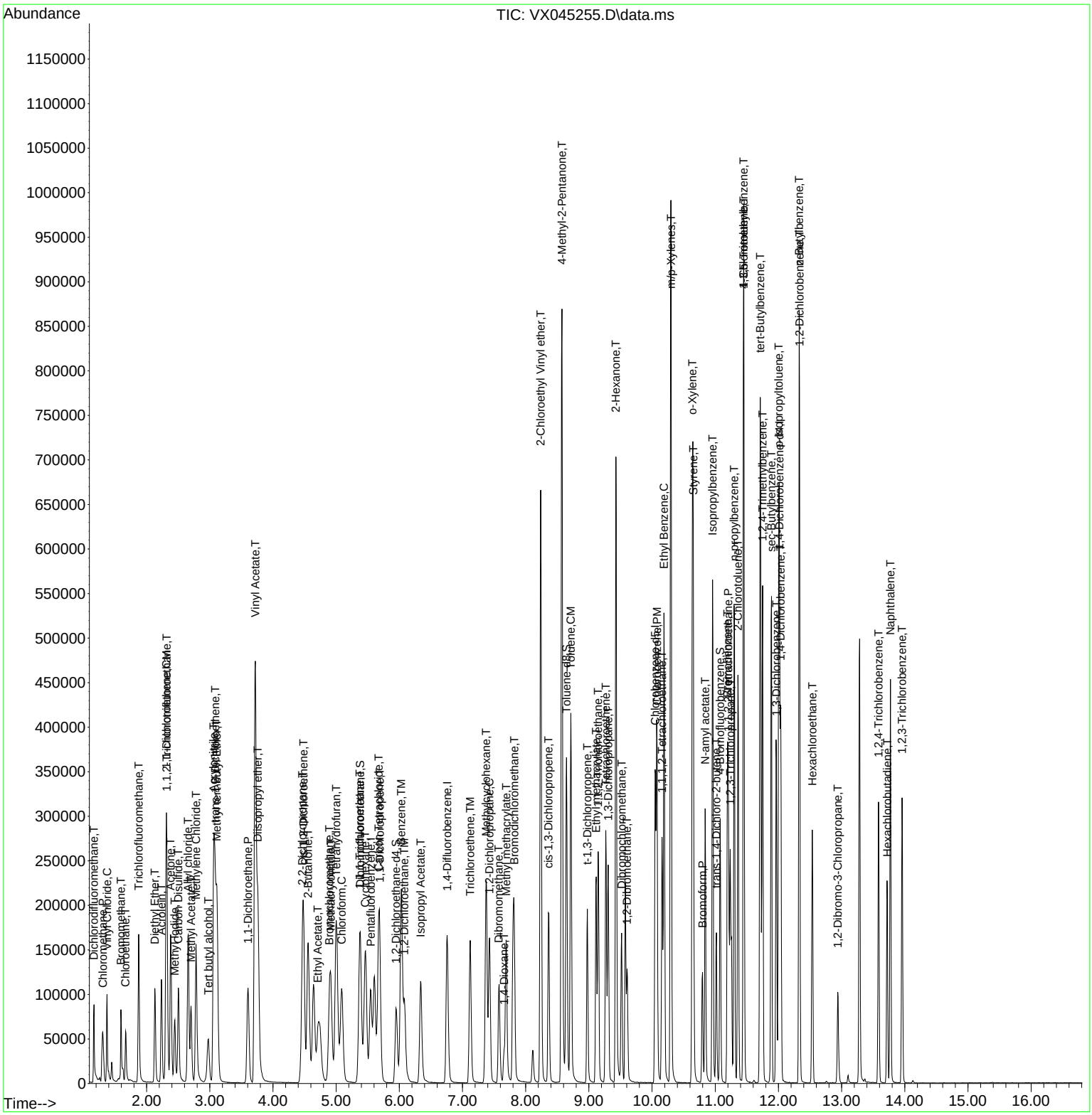
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

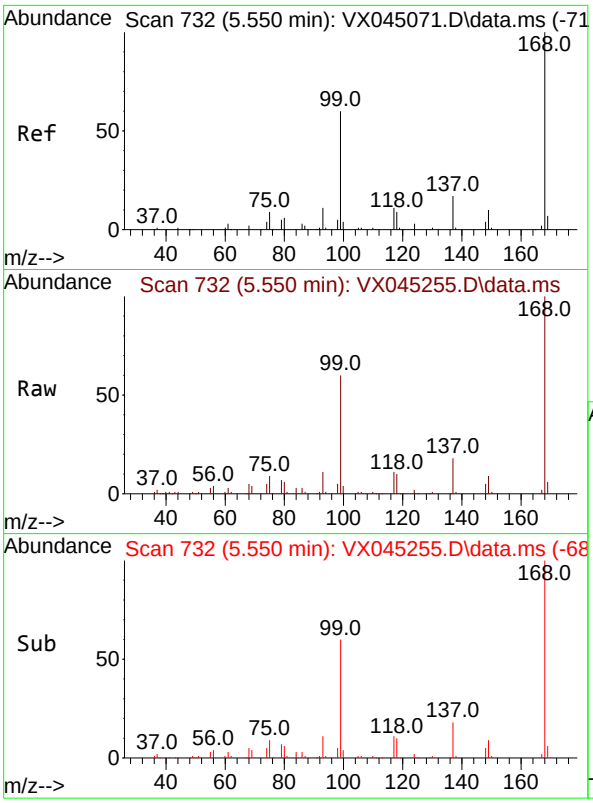
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
Data File : VX045255.D
Acq On : 12 Mar 2025 17:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



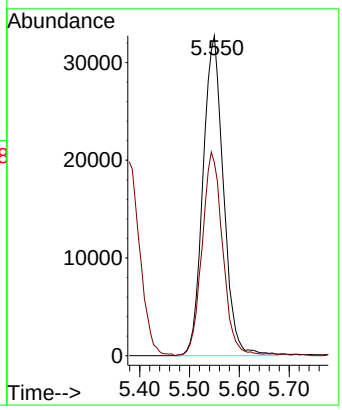


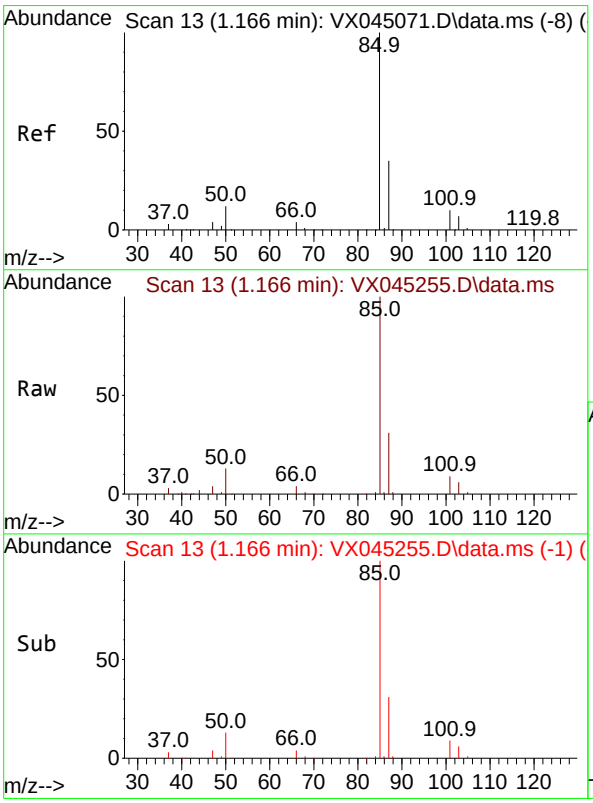
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 93396

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.2	72.4

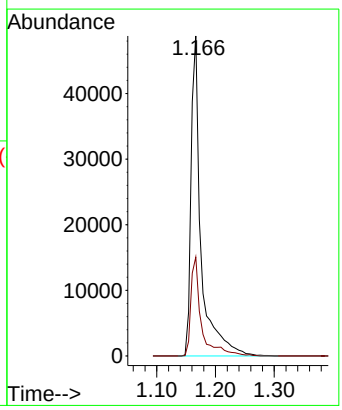


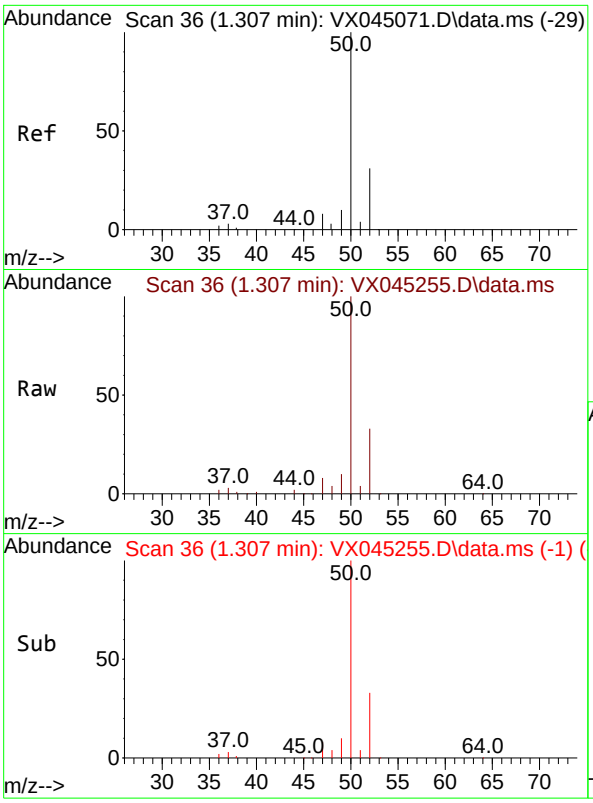


#2
Dichlorodifluoromethane
Concen: 48.987 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 85 Resp: 57591

Ion	Ratio	Lower	Upper
85	100		
87	30.9	17.4	52.3



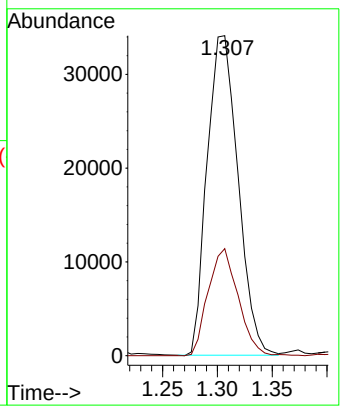


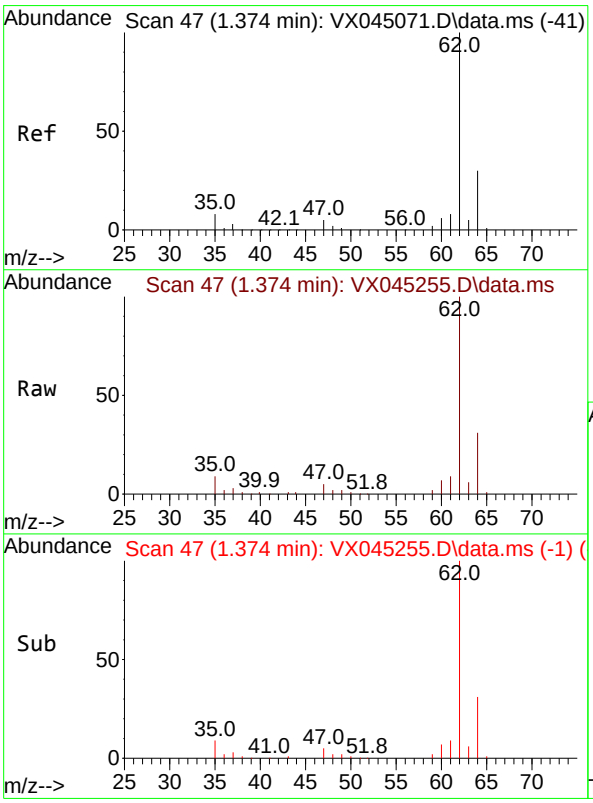
#3
Chloromethane
Concen: 46.512 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 66918

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4

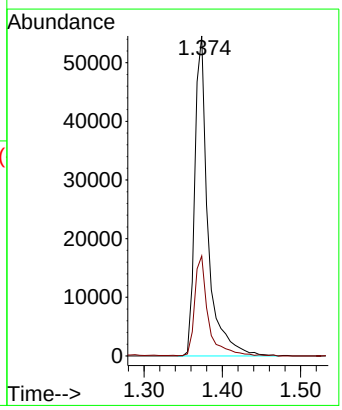


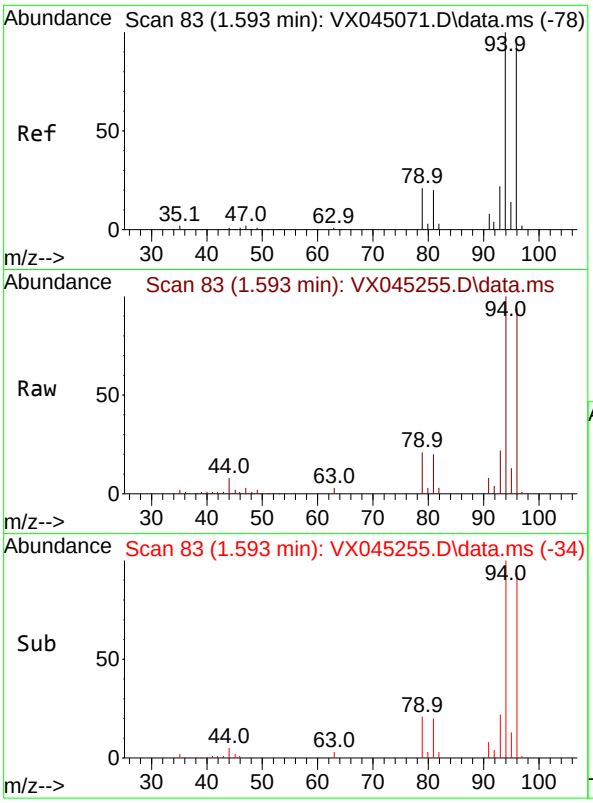


#4
Vinyl Chloride
Concen: 44.851 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 62 Resp: 64013

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.3	36.5



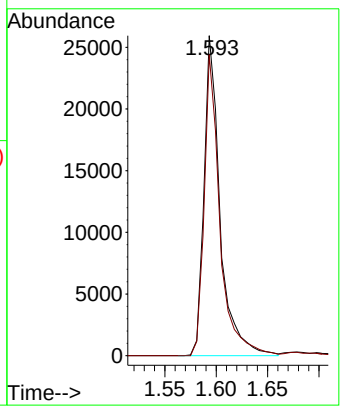


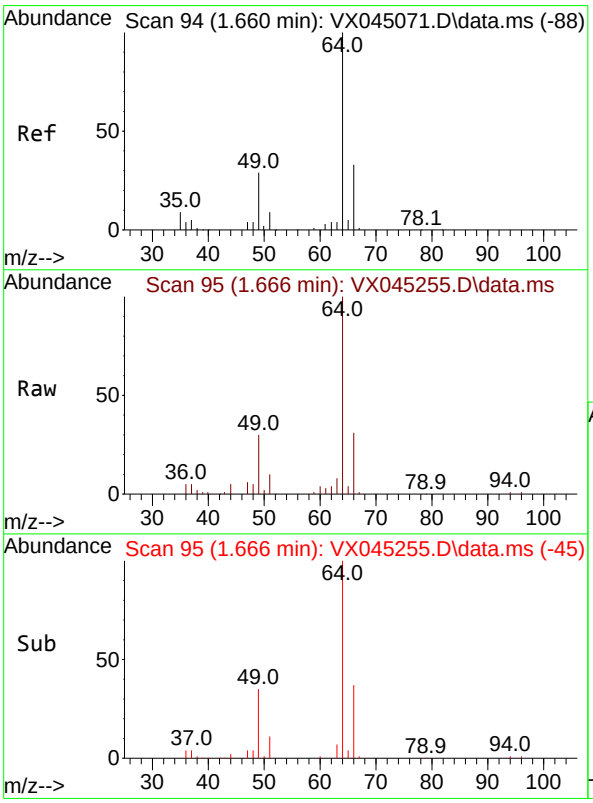
#5
Bromomethane
Concen: 50.415 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 28286

Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.0	112.4

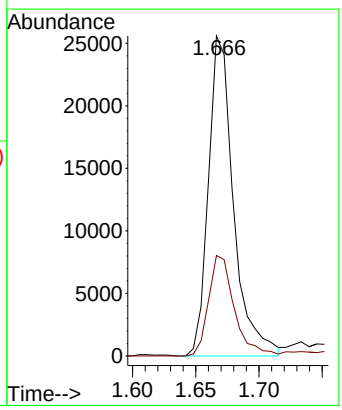


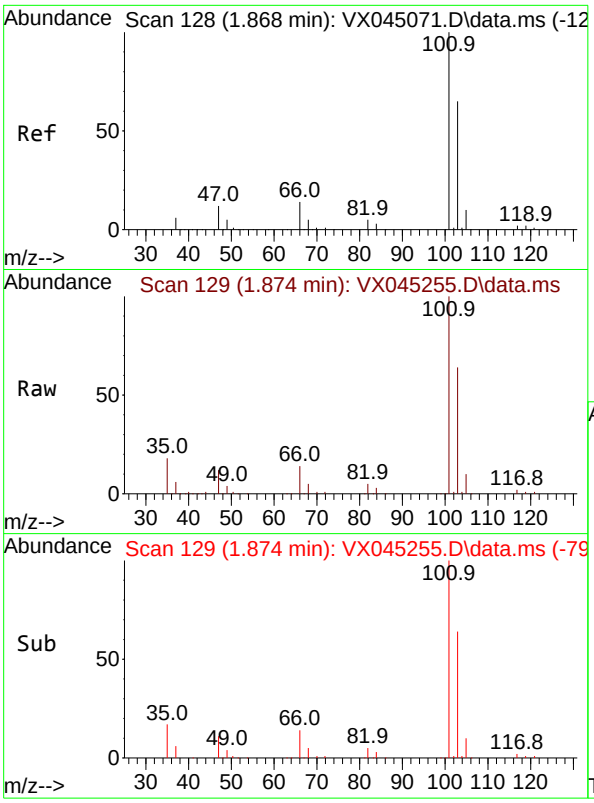


#6
Chloroethane
Concen: 53.667 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 64 Resp: 35330

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1



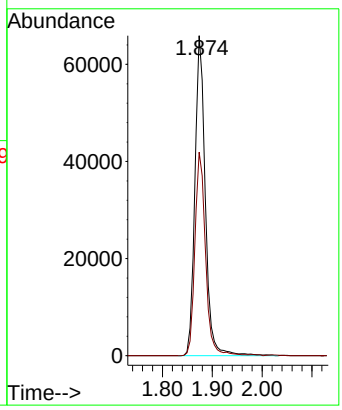


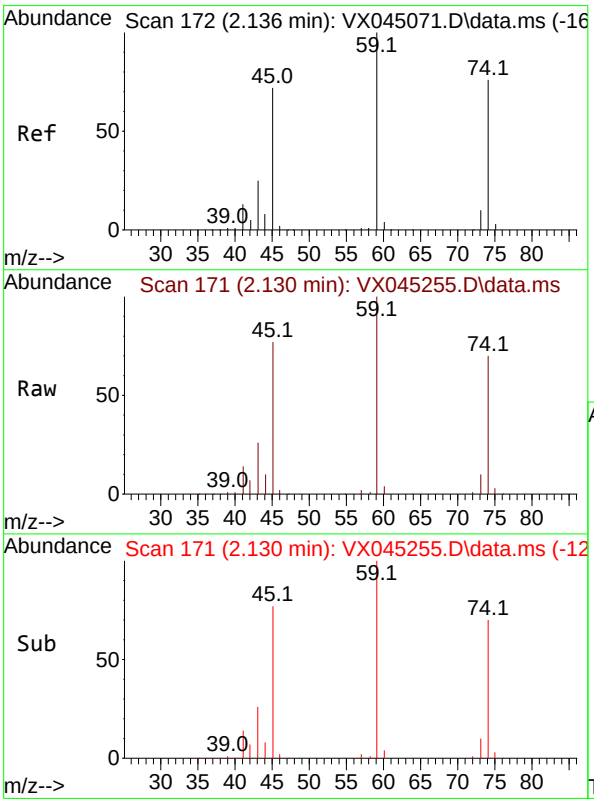
#7
Trichlorofluoromethane
Concen: 50.572 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 95550

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.1	78.1

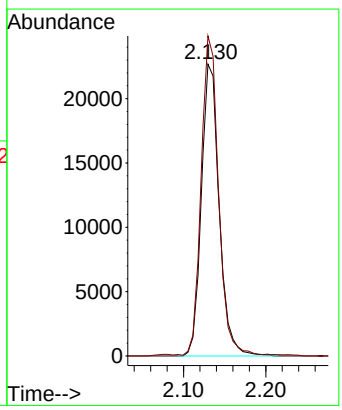


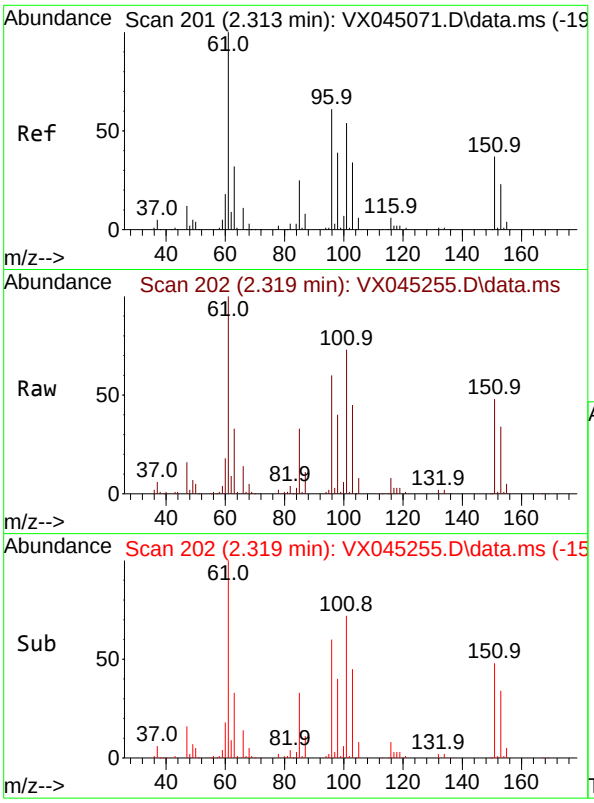


#8
Diethyl Ether
Concen: 46.150 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 74 Resp: 34106

Ion	Ratio	Lower	Upper
74	100		
45	106.4	51.5	154.5



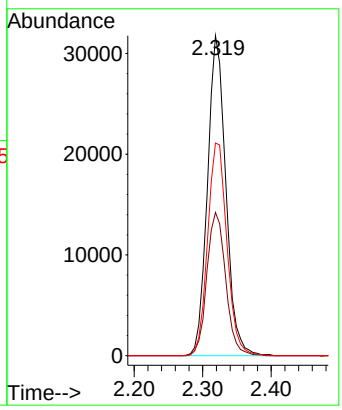


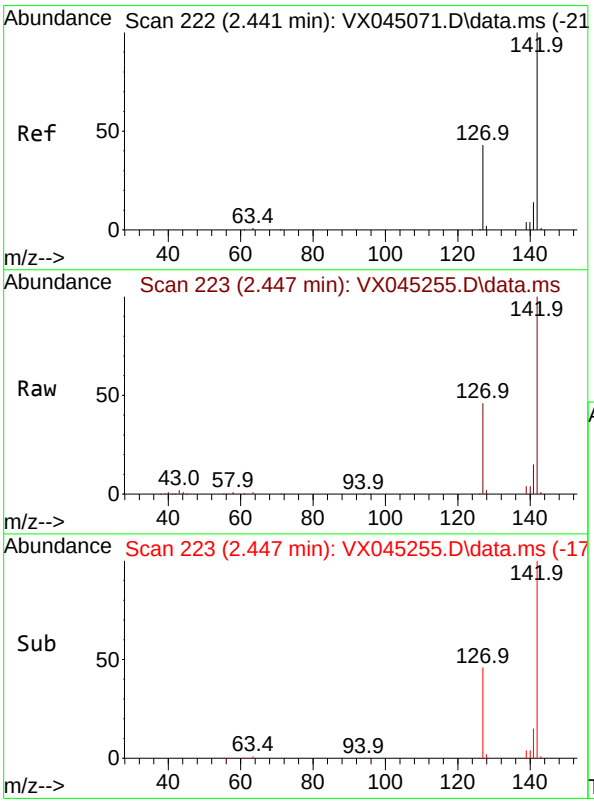
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.554 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 59218

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	69.8	56.4	84.6

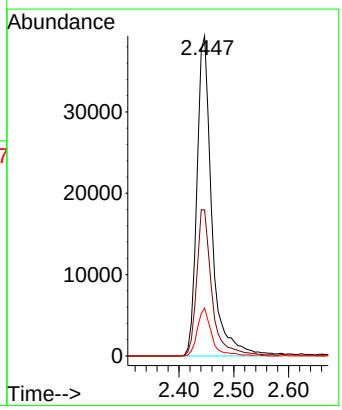


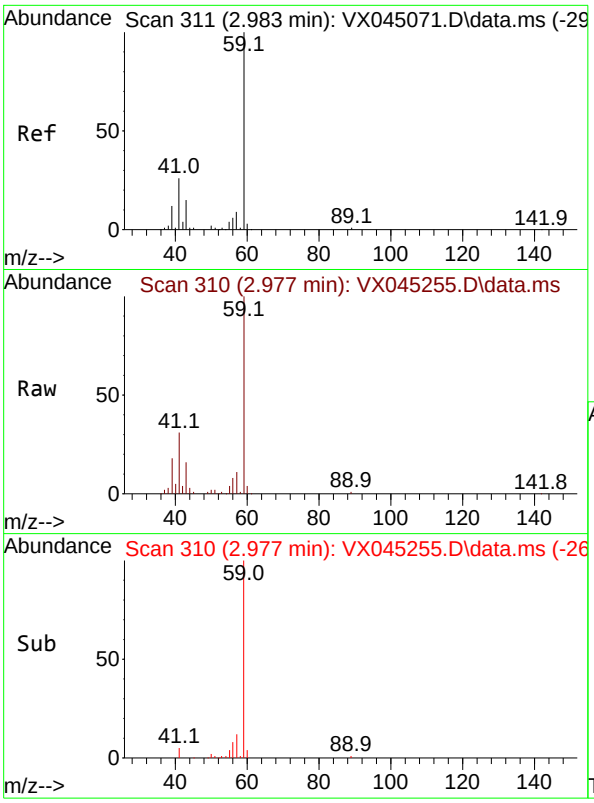


#10
Methyl Iodide
Concen: 55.048 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:142 Resp: 74674

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.4	53.2
141	14.4	11.6	17.4



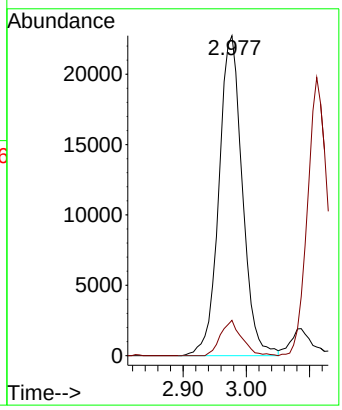


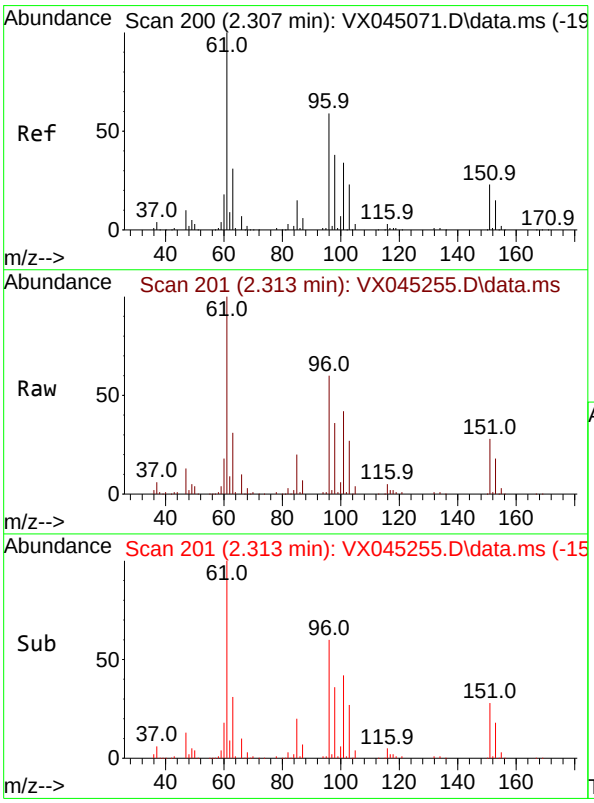
#11
Tert butyl alcohol
Concen: 207.664 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 58436

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8

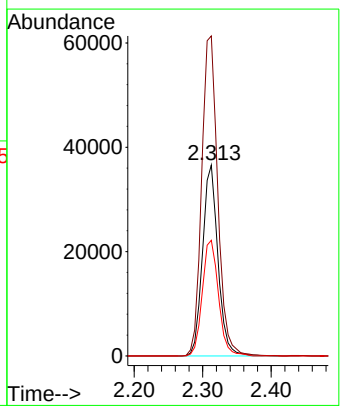


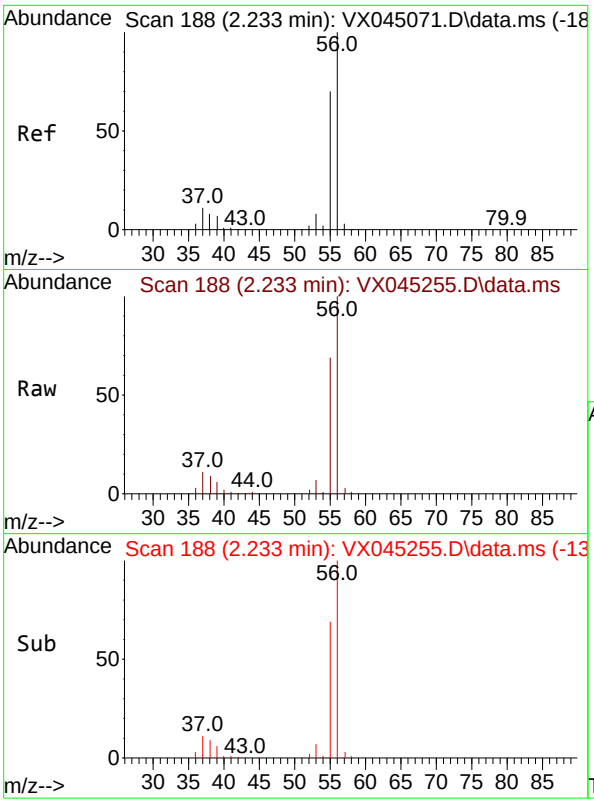


#12
1,1-Dichloroethene
Concen: 50.035 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 96 Resp: 57422

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.6	202.0
98	60.6	51.0	76.6



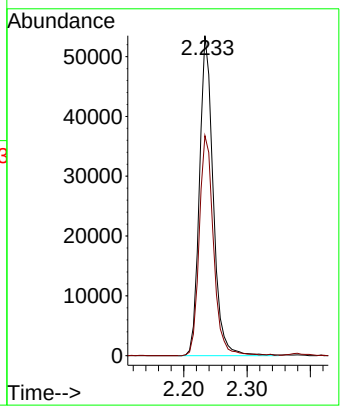


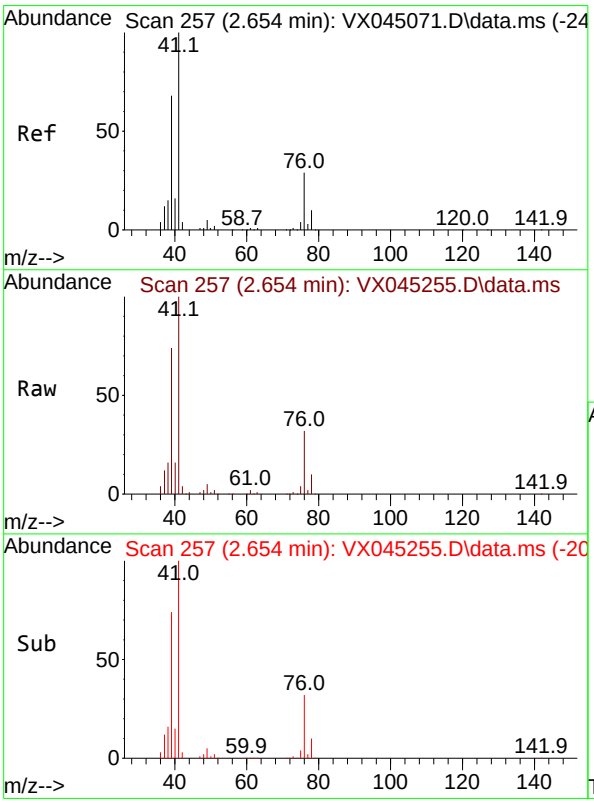
#13
Acrolein
Concen: 248.962 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 80984

Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.2	84.4

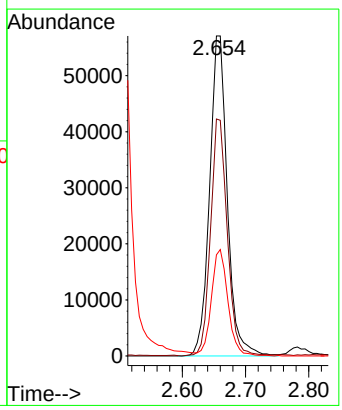


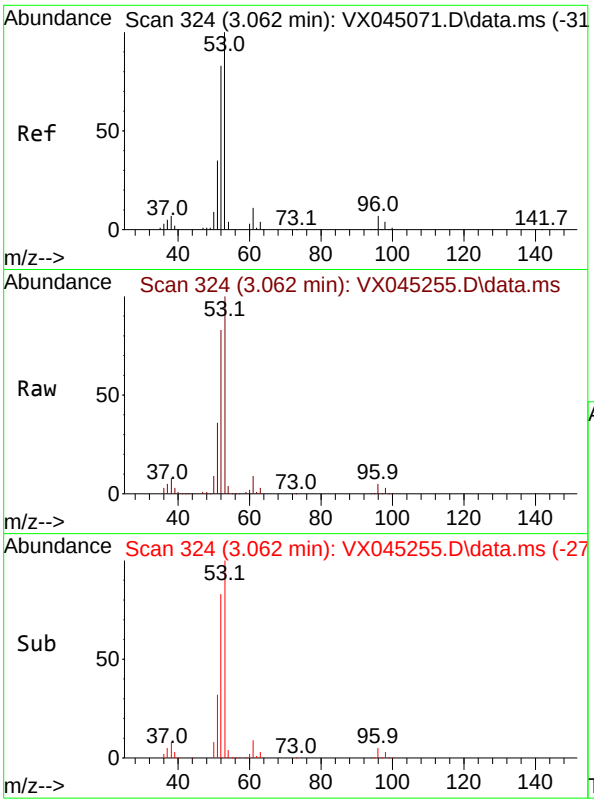


#14
Allyl chloride
Concen: 54.292 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 41 Resp: 110910

Ion	Ratio	Lower	Upper
41	100		
39	70.2	53.8	80.8
76	31.2	25.2	37.8



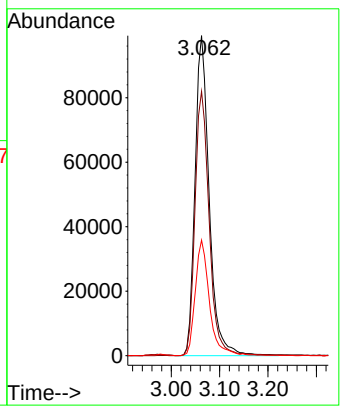


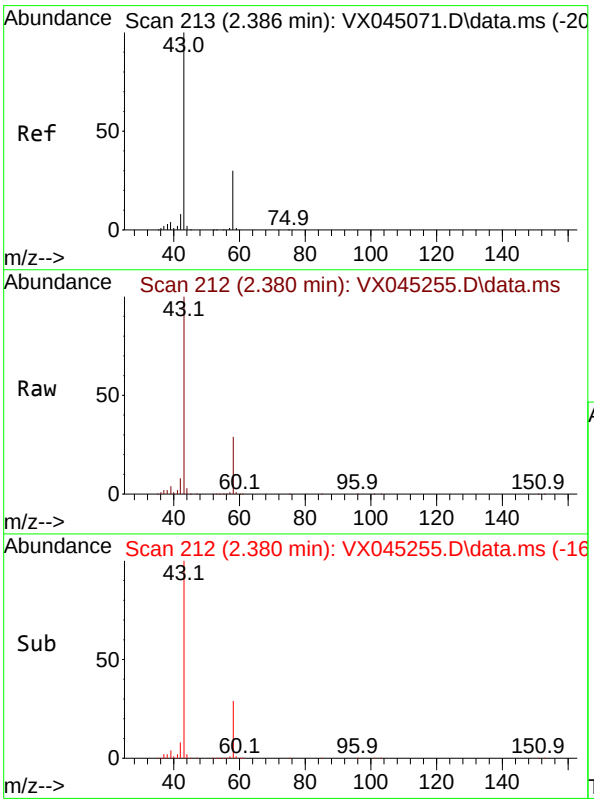
#15
Acrylonitrile
Concen: 267.331 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 201614

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.3	29.0	43.4

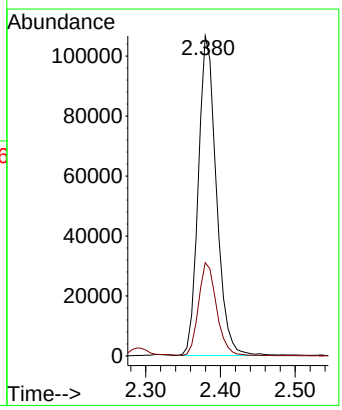


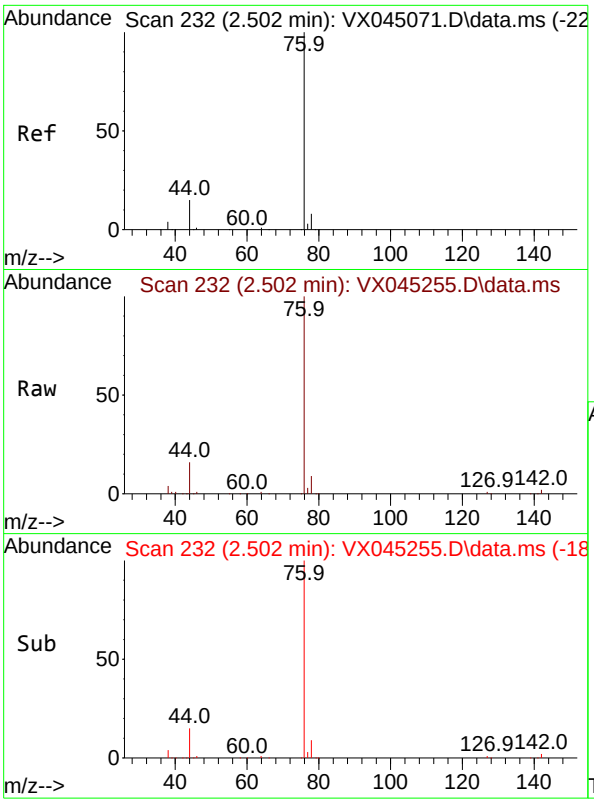


#16
Acetone
Concen: 259.217 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 178671

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.2	36.4



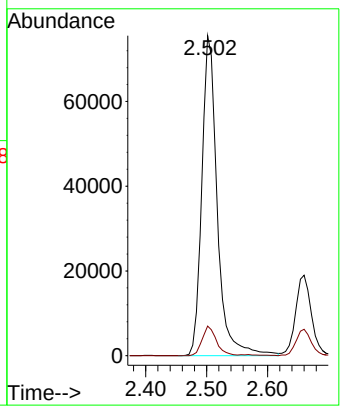


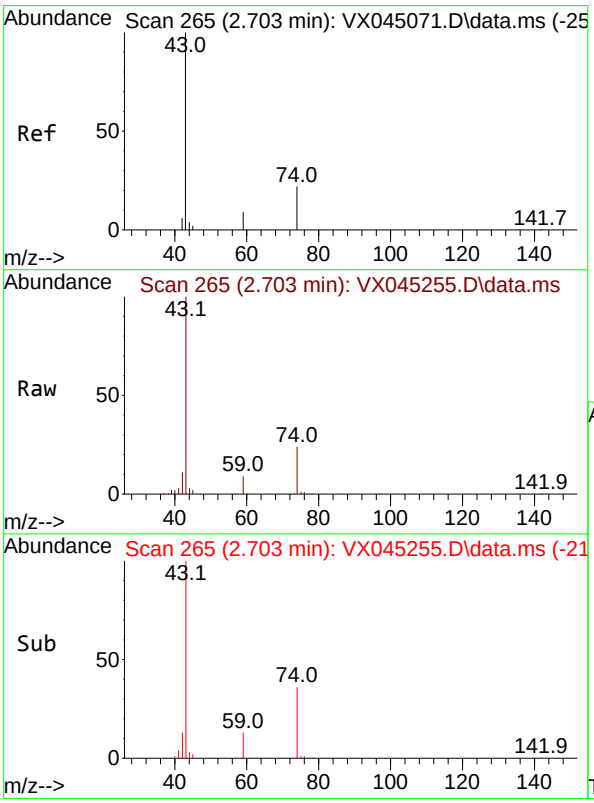
#17
Carbon Disulfide
Concen: 43.523 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 133037

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8

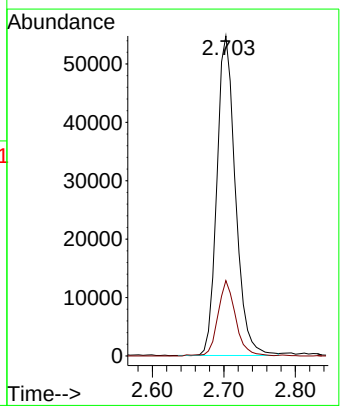


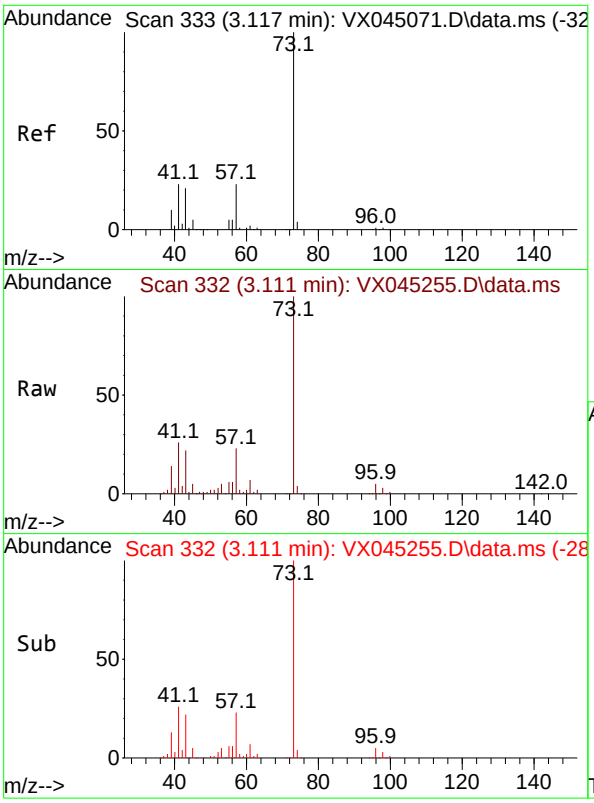


#18
Methyl Acetate
Concen: 59.434 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 98551

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



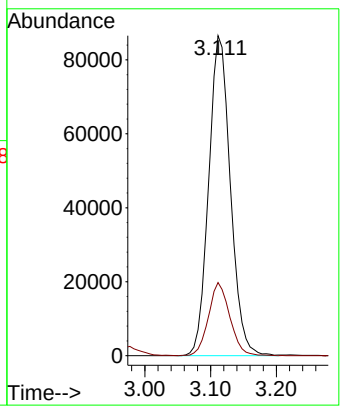


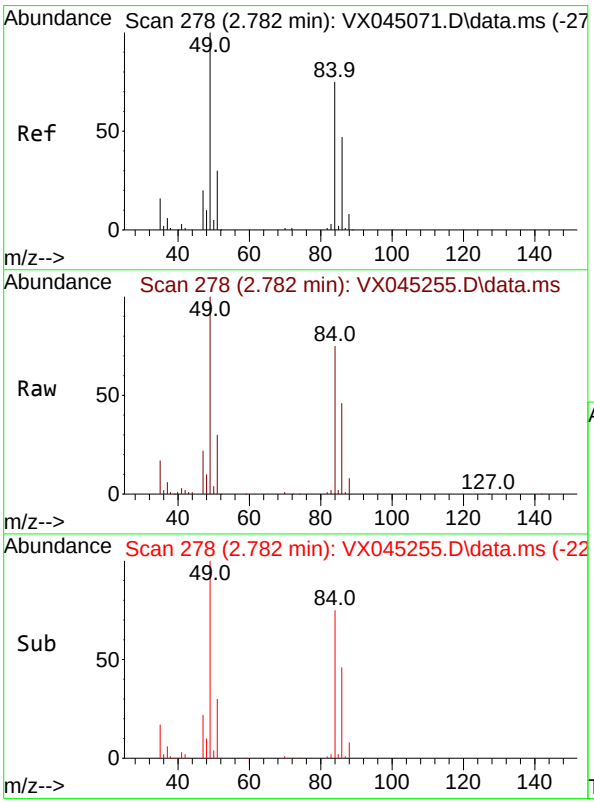
#19
Methyl tert-butyl Ether
Concen: 51.613 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 198728

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.5	27.7

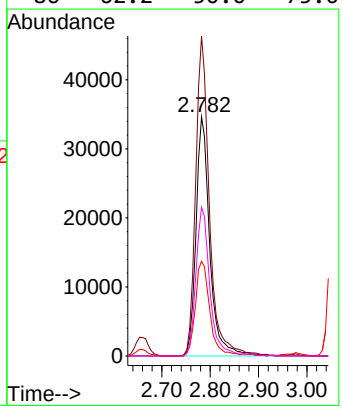


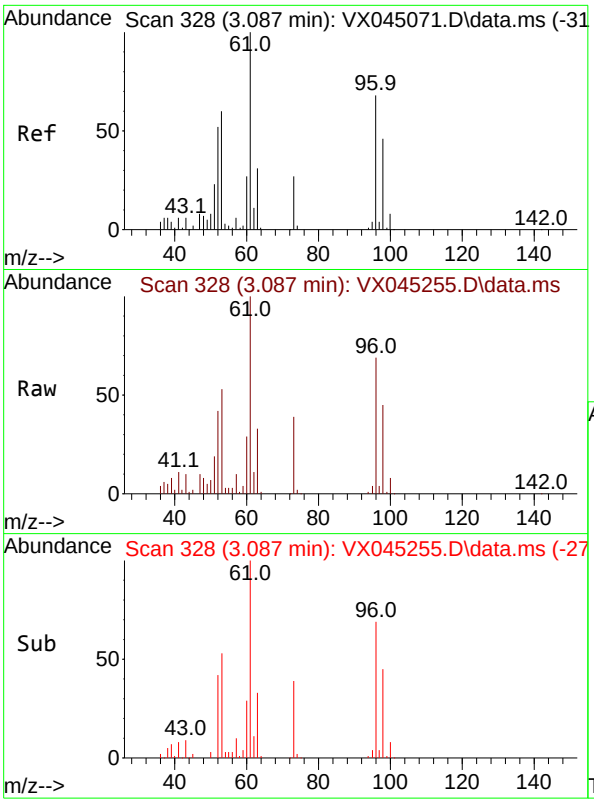


#20
Methylene Chloride
Concen: 50.063 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 84 Resp: 68354

Ion	Ratio	Lower	Upper
84	100		
49	133.9	106.5	159.7
51	39.7	32.1	48.1
86	62.2	50.0	75.0



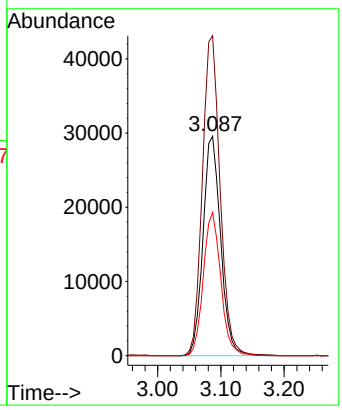


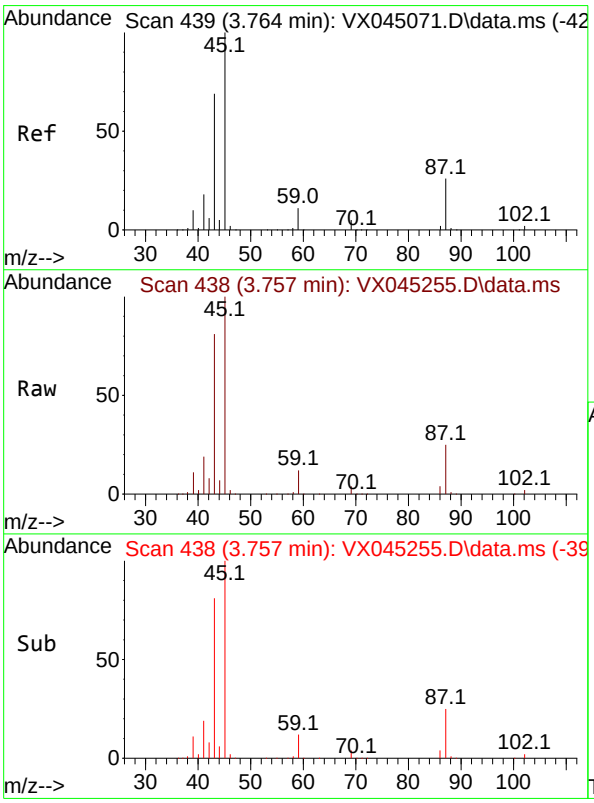
#21
trans-1,2-Dichloroethene
Concen: 50.727 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 57514

Ion	Ratio	Lower	Upper
96	100		
61	145.8	117.0	175.4
98	65.3	53.4	80.2

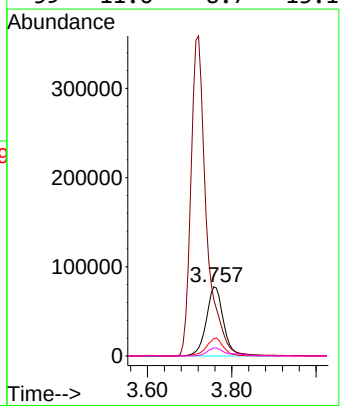


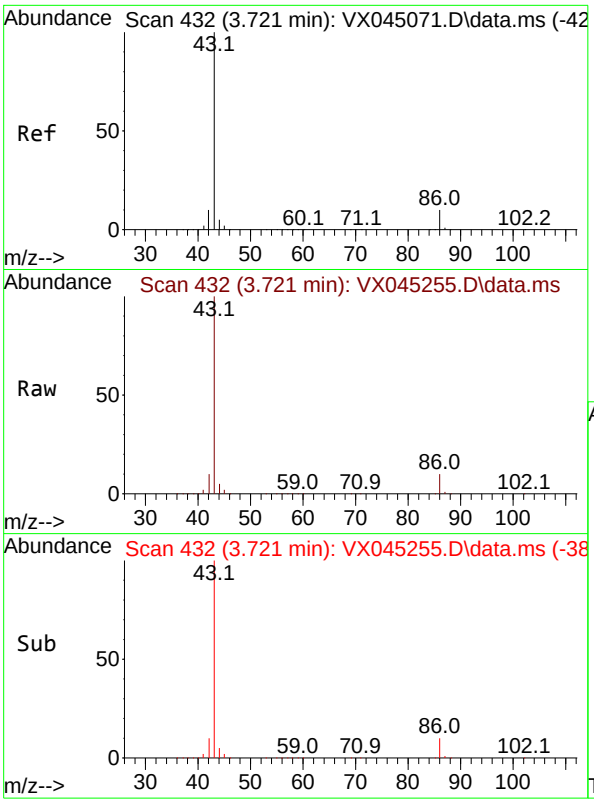


#22
Diisopropyl ether
Concen: 52.928 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 45 Resp: 219898

Ion	Ratio	Lower	Upper
45	100		
43	80.7	54.9	82.3
87	25.1	21.0	31.4
59	11.6	8.7	13.1



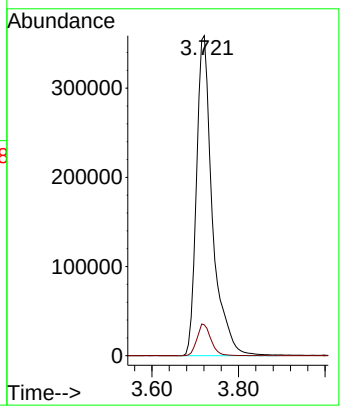


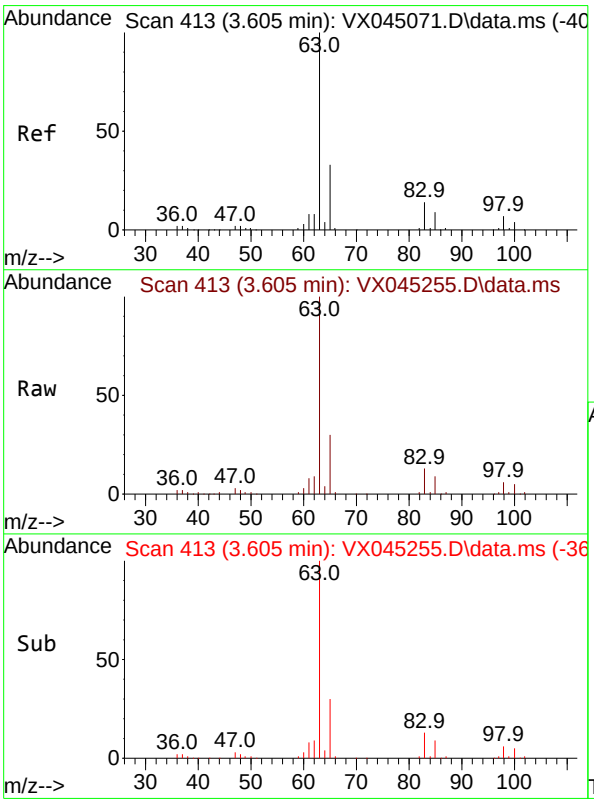
#23
Vinyl Acetate
Concen: 264.740 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 917878

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

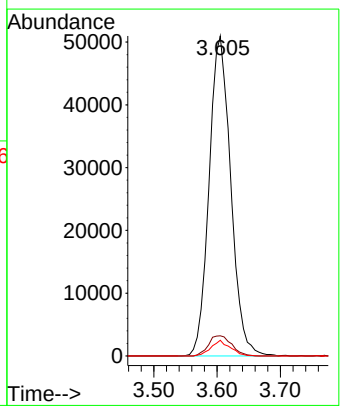


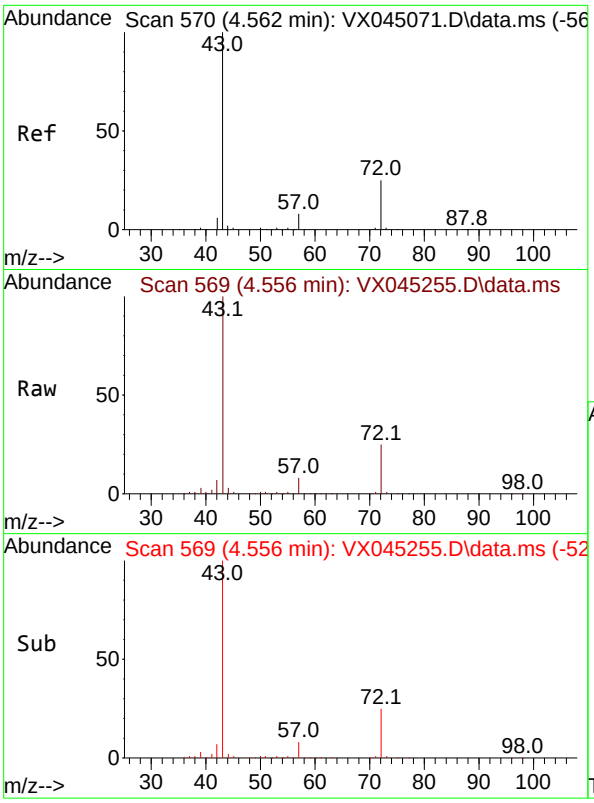


#24
1,1-Dichloroethane
Concen: 51.997 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 63 Resp: 121070

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	4.9	2.1	6.5



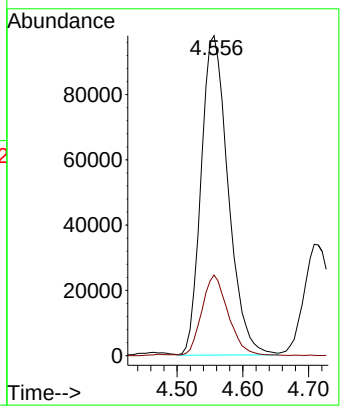


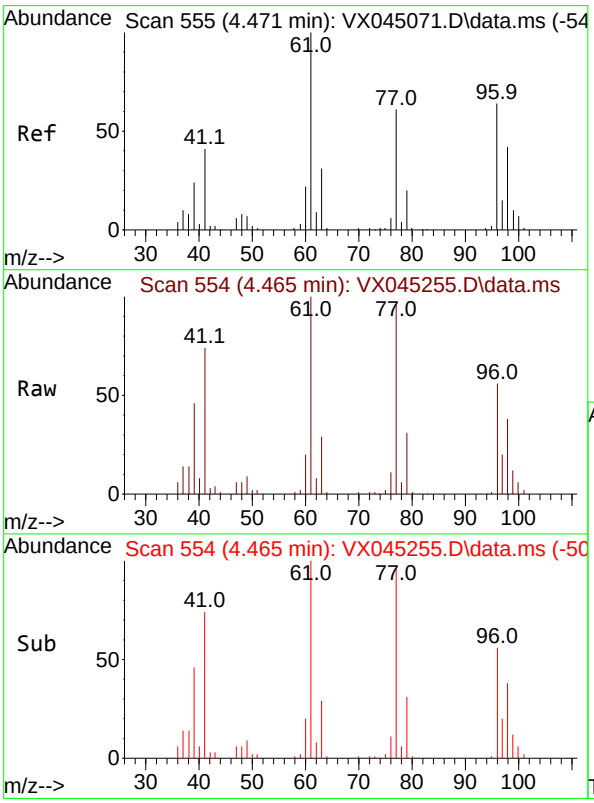
#25
2-Butanone
Concen: 270.527 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 280679

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.0	30.0

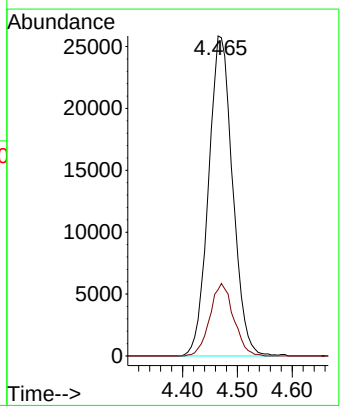


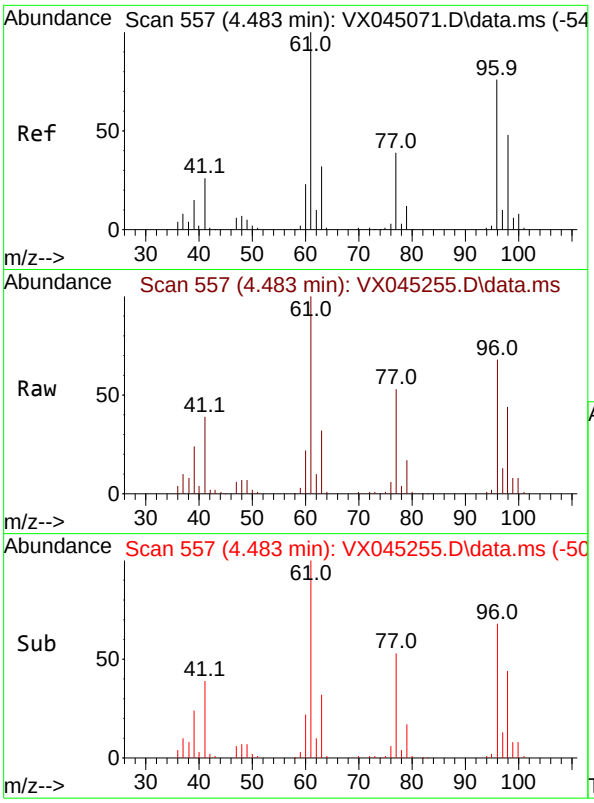


#26
2,2-Dichloropropane
Concen: 72.241 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 77 Resp: 78898

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



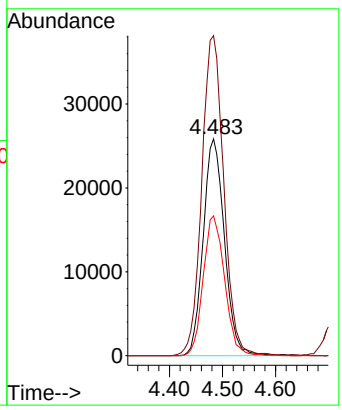


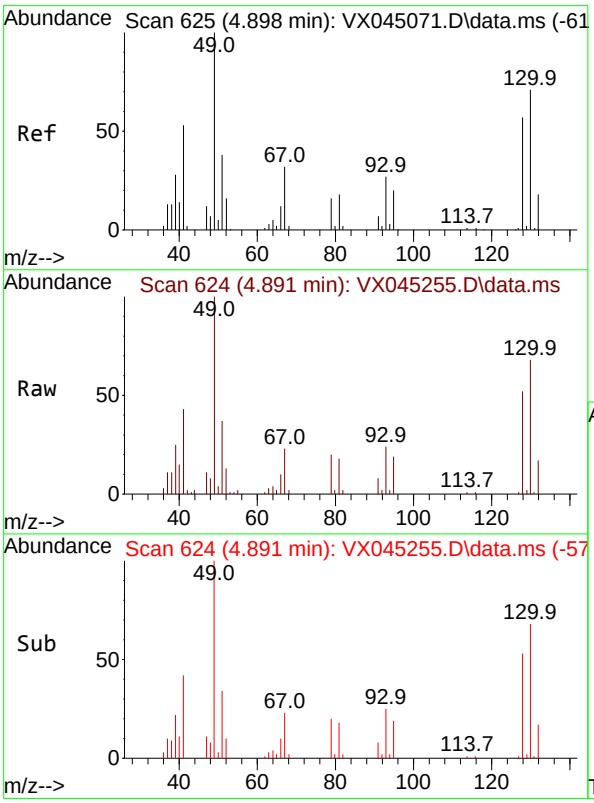
#27
cis-1,2-Dichloroethene
Concen: 51.364 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 71890

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	283.2
98	64.9	0.0	128.0

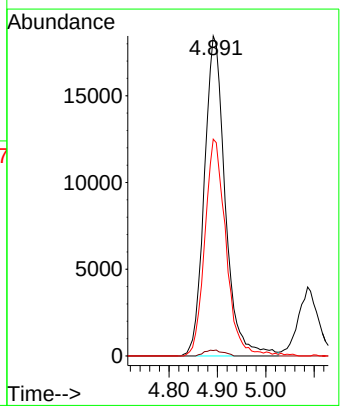


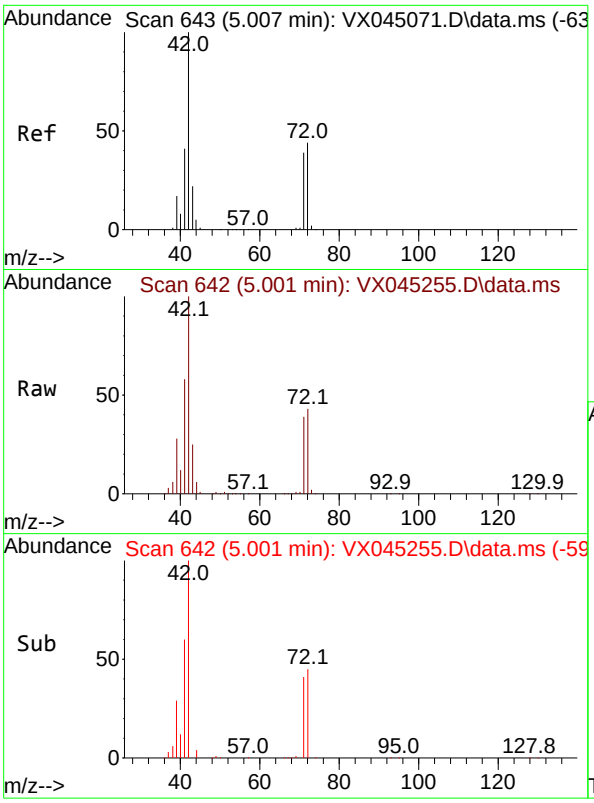


#28
Bromochloromethane
Concen: 49.953 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 49 Resp: 55439

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.9	56.1	84.1



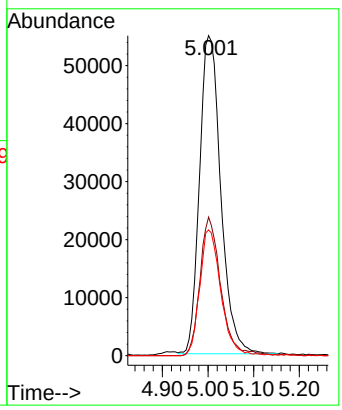


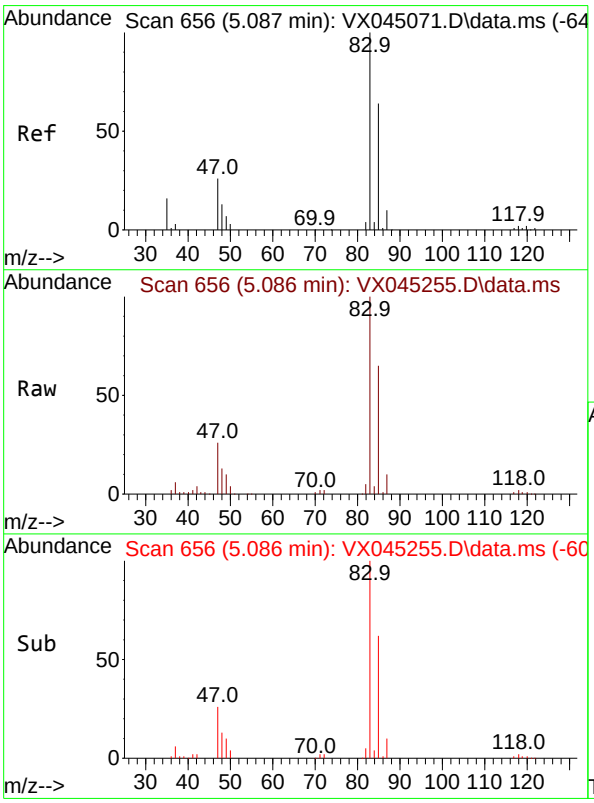
#29
Tetrahydrofuran
Concen: 254.157 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 177084

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	39.2	31.4	47.0

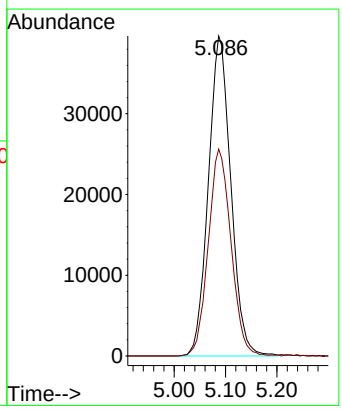


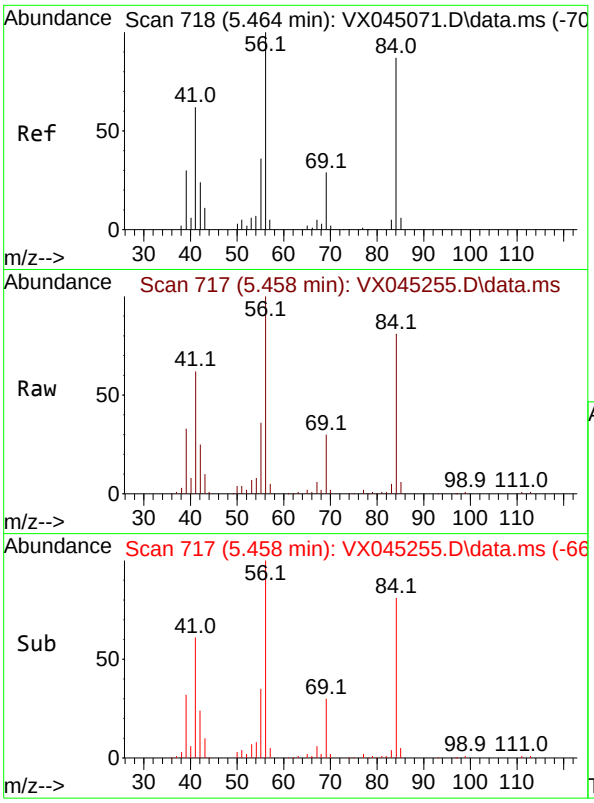


#30
Chloroform
Concen: 52.001 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 83 Resp: 120307

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2



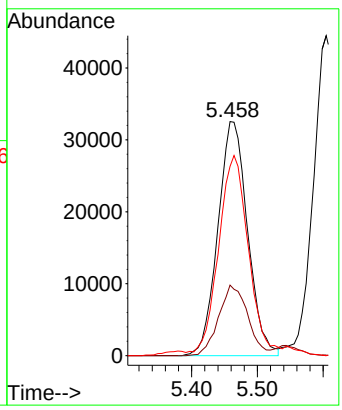


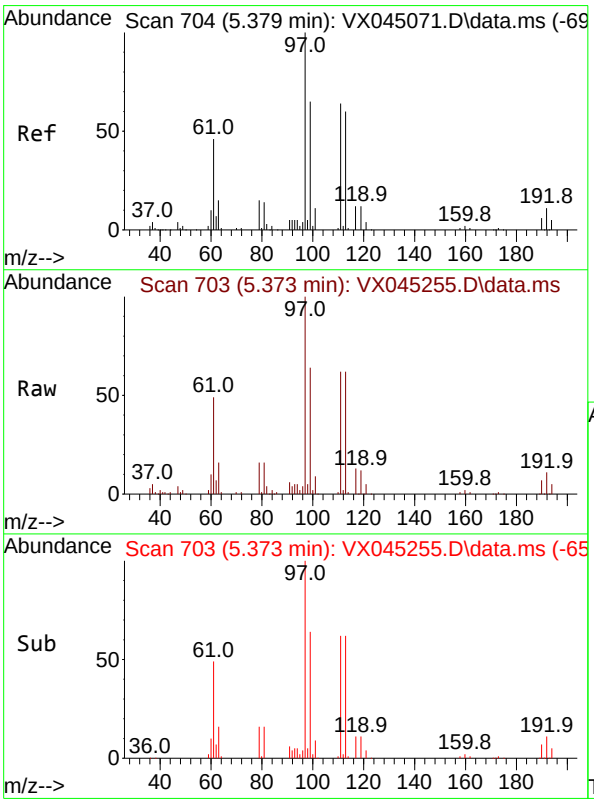
#31
Cyclohexane
Concen: 50.579 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 102229

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.4	35.2
84	78.9	69.4	104.2

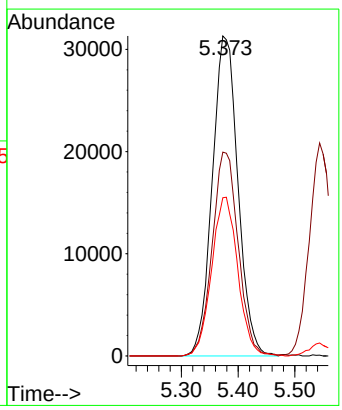


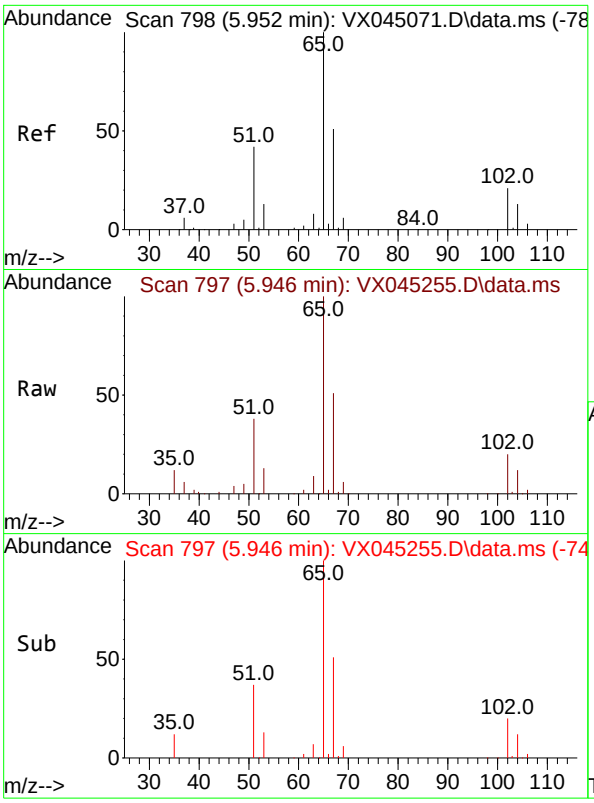


#32
1,1,1-Trichloroethane
Concen: 52.647 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 97 Resp: 98373

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	50.6	38.4	57.6



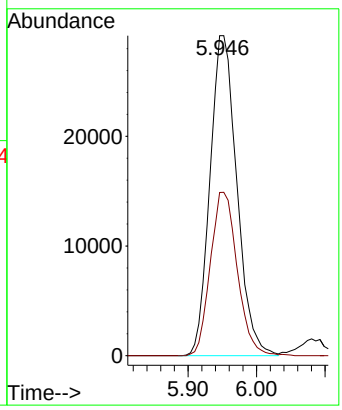


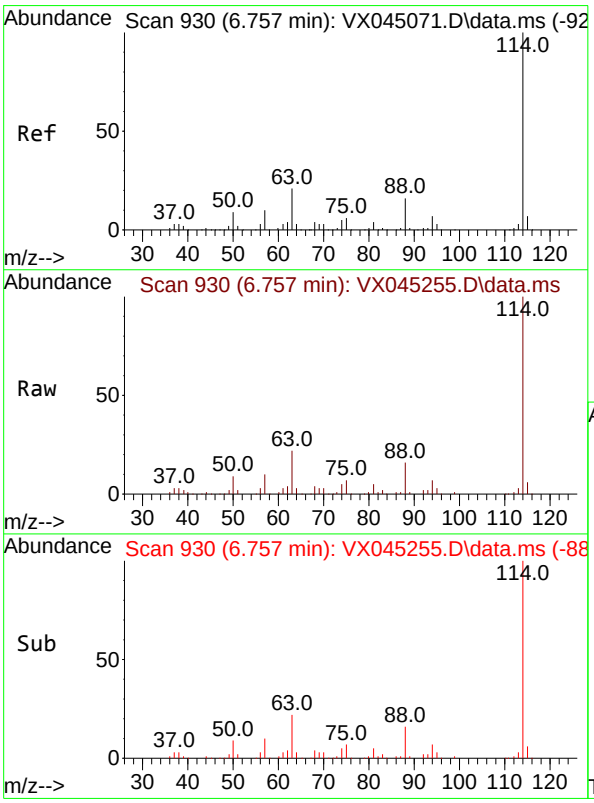
#33
1,2-Dichloroethane-d4
Concen: 53.514 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 79500

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2

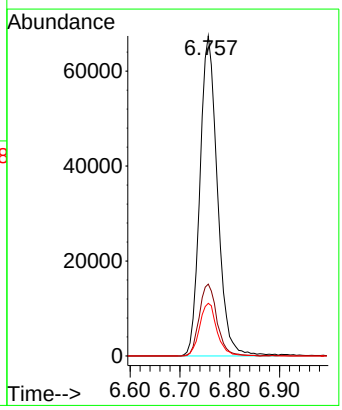


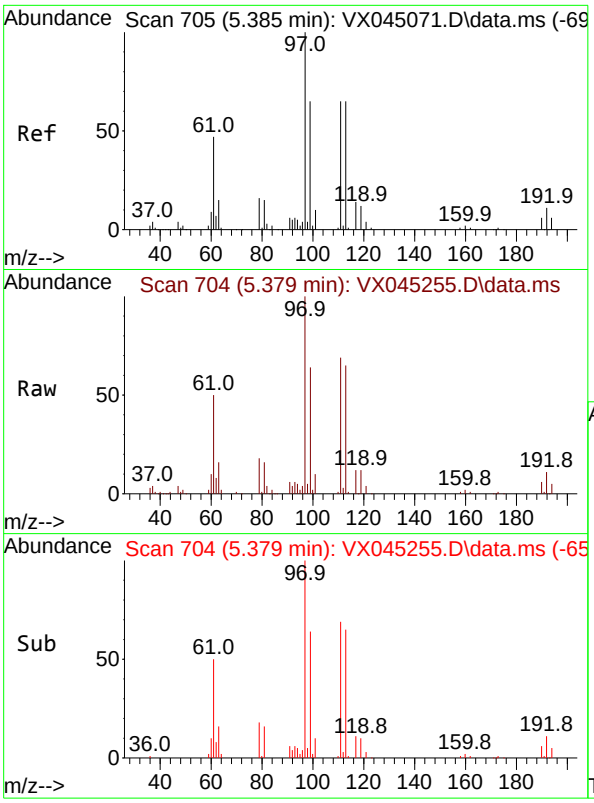


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:114 Resp: 164368

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.4	0.0	32.8



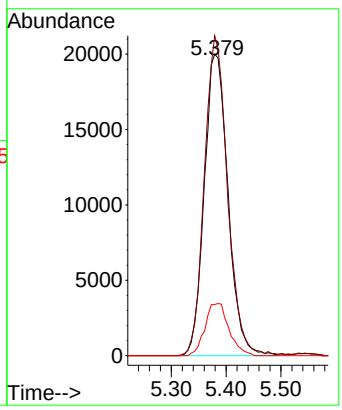


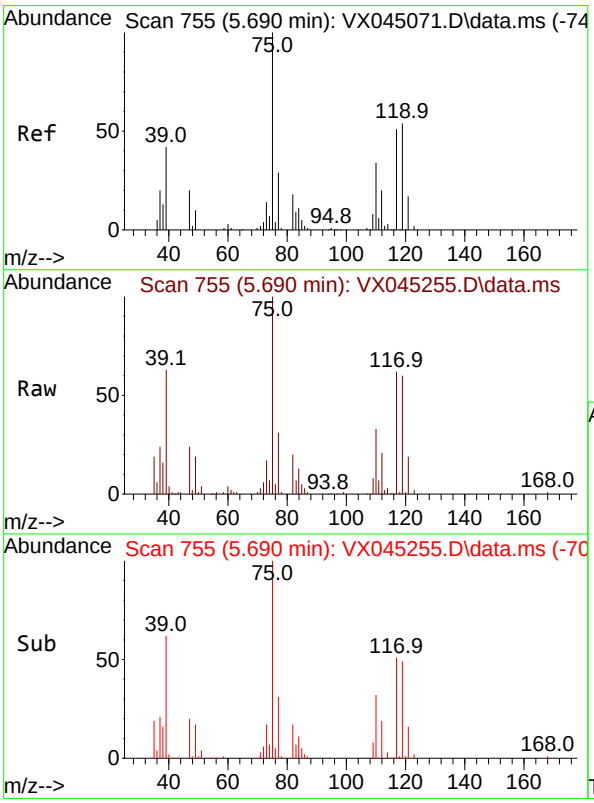
#35
Dibromofluoromethane
Concen: 54.749 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 60174

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.4	14.3	21.5

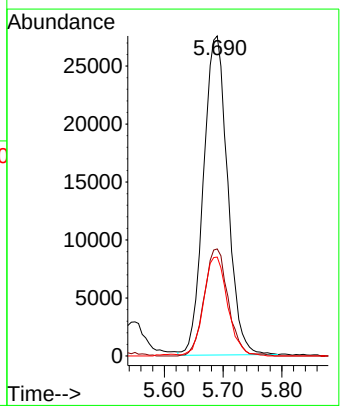


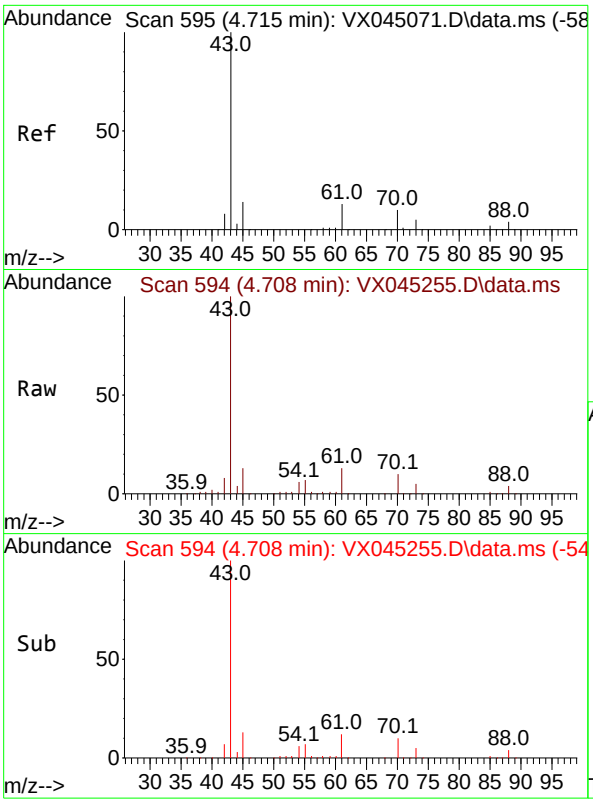


#36
1,1-Dichloropropene
Concen: 52.005 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 78386

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	31.1	24.5	36.7



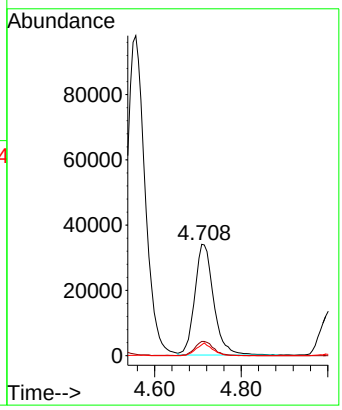


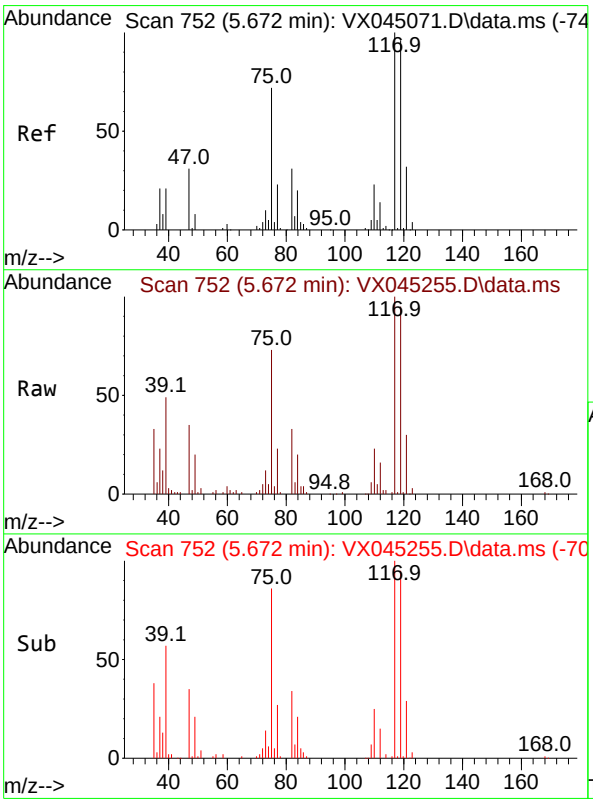
#37
Ethyl Acetate
Concen: 52.776 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 102503

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.9	7.7	11.5

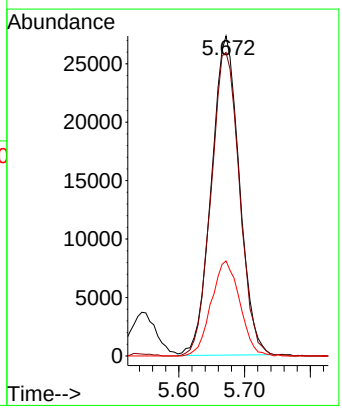


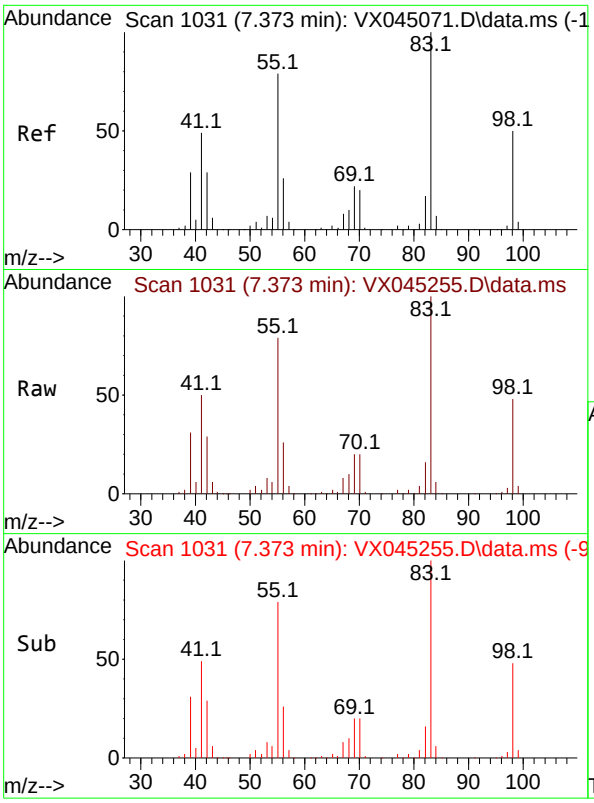


#38
Carbon Tetrachloride
Concen: 52.683 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:117 Resp: 80618

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	29.8	25.5	38.3



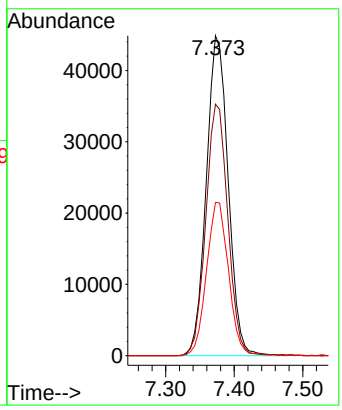


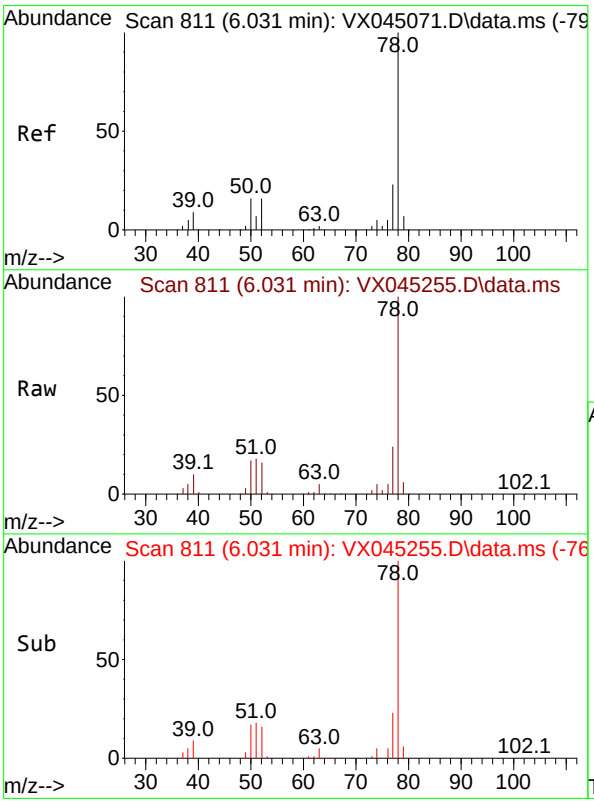
#39
Methylcyclohexane
Concen: 55.091 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 99499

Ion	Ratio	Lower	Upper
83	100		
55	78.6	63.0	94.4
98	47.9	39.7	59.5

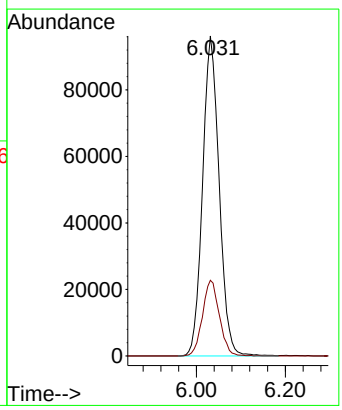


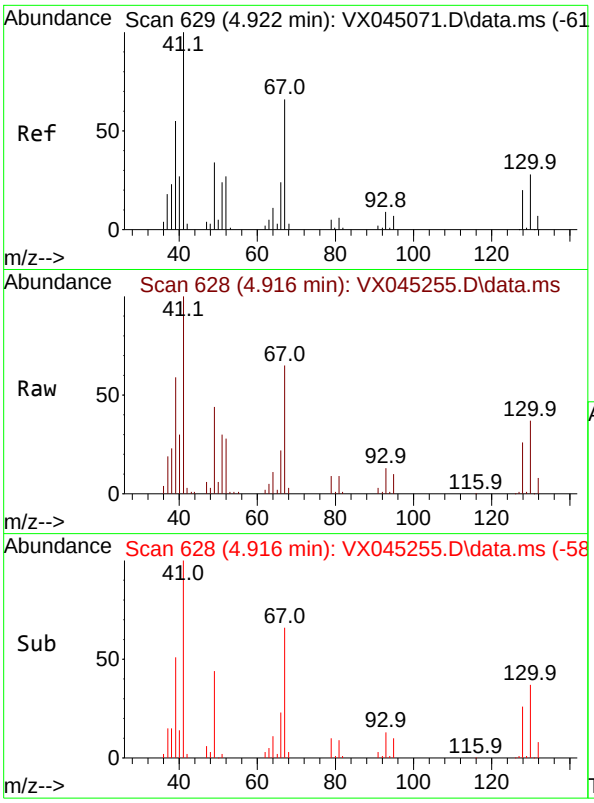


#40
Benzene
Concen: 52.525 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 78 Resp: 250003

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



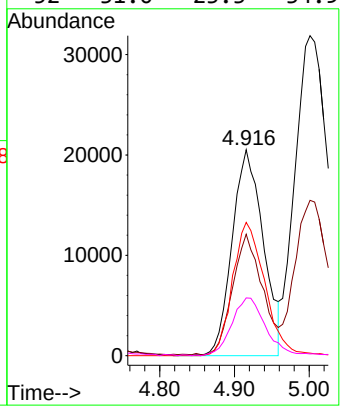


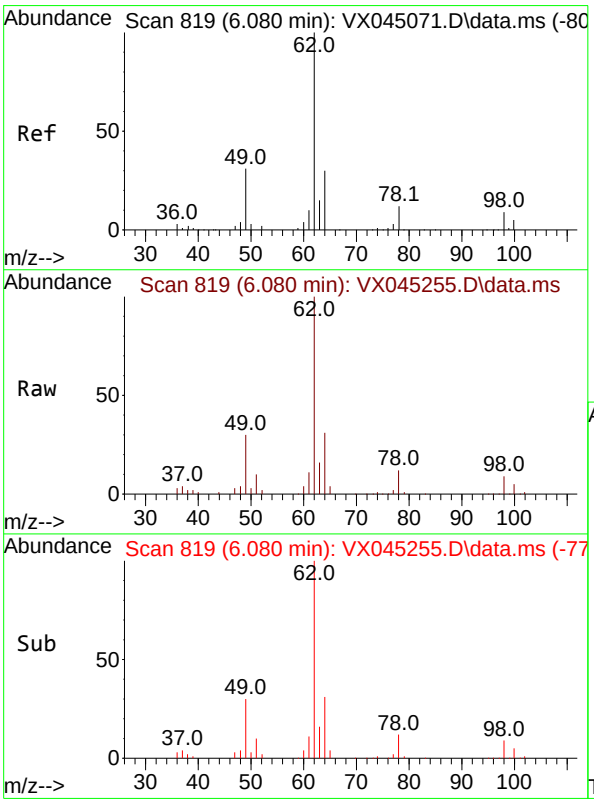
#41
Methacrylonitrile
Concen: 56.668 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 59513

Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	67.0
67	67.0	53.9	80.9
52	31.0	23.3	34.9

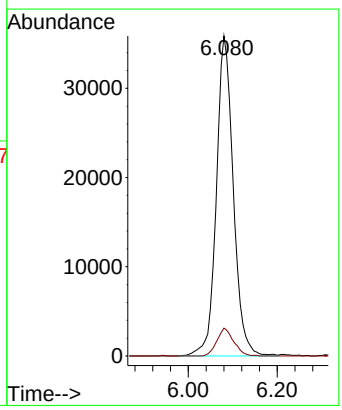


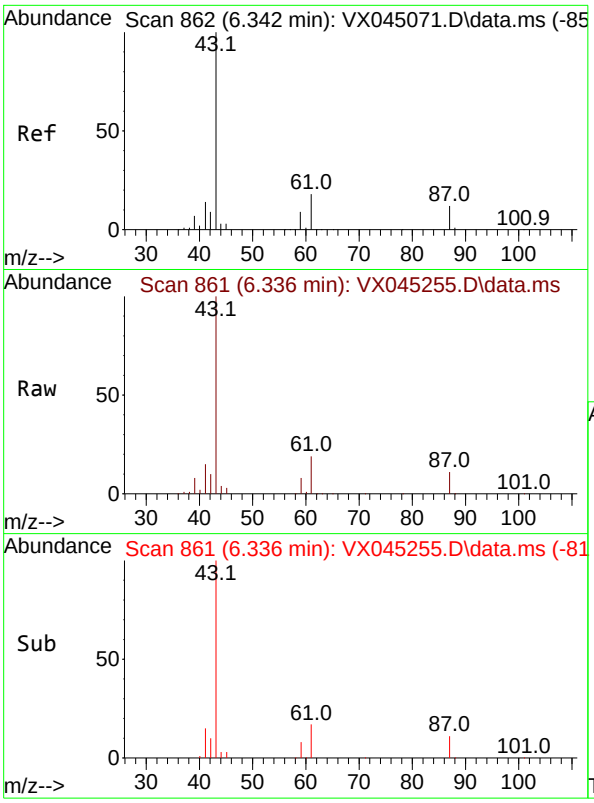


#42
1,2-Dichloroethane
Concen: 55.241 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 62 Resp: 94681

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



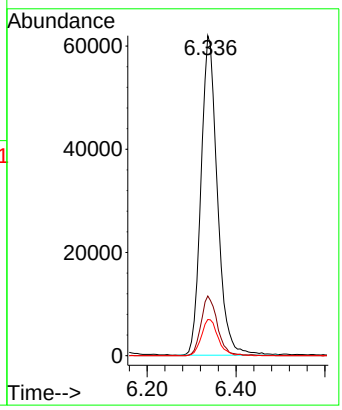


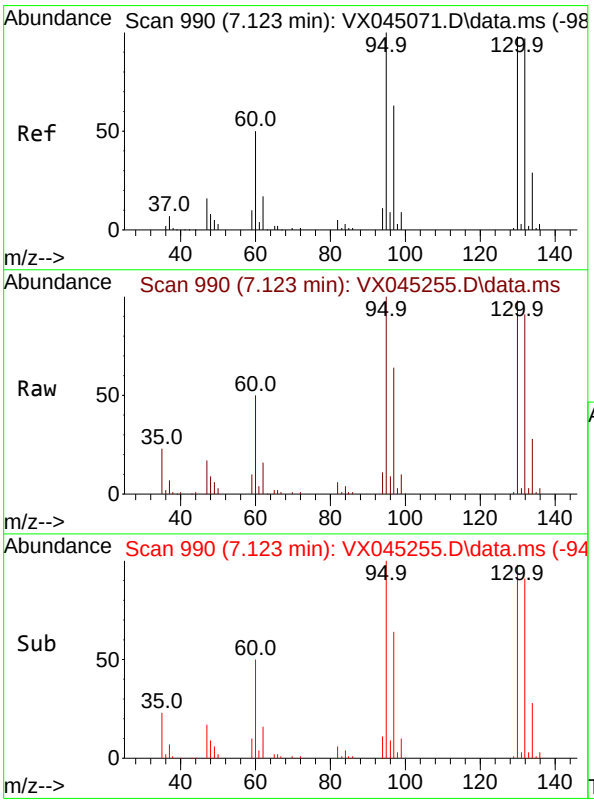
#43
Isopropyl Acetate
Concen: 55.386 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 159069

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.6	9.4	14.2

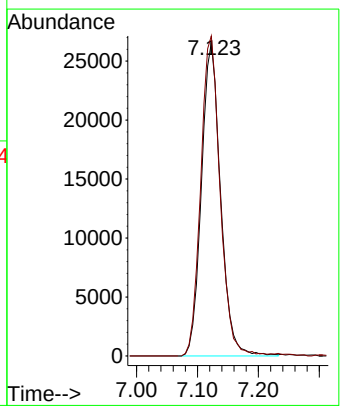


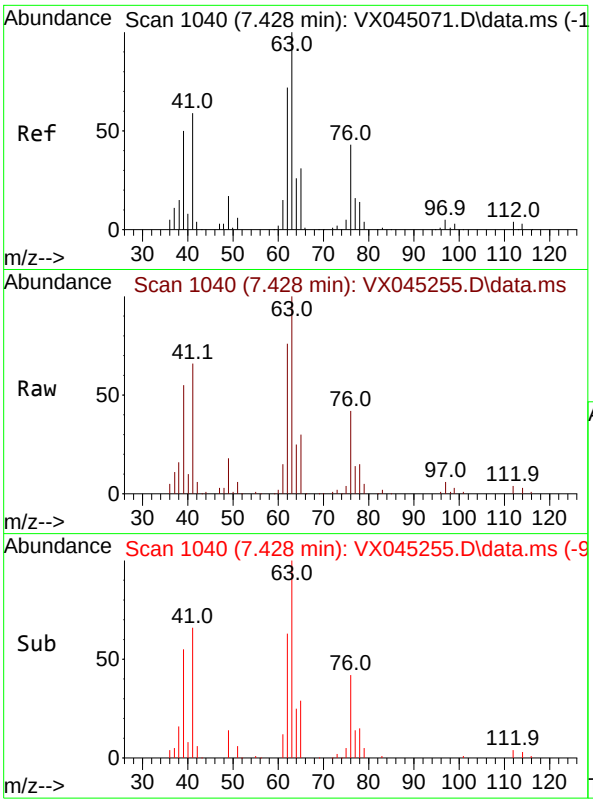


#44
Trichloroethene
Concen: 51.820 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:130 Resp: 57915

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	205.0



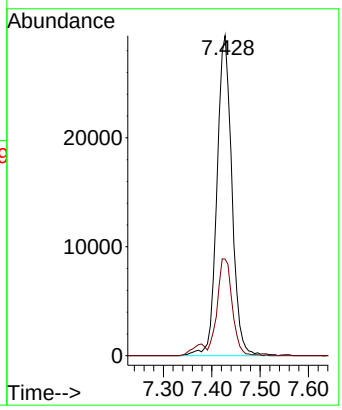


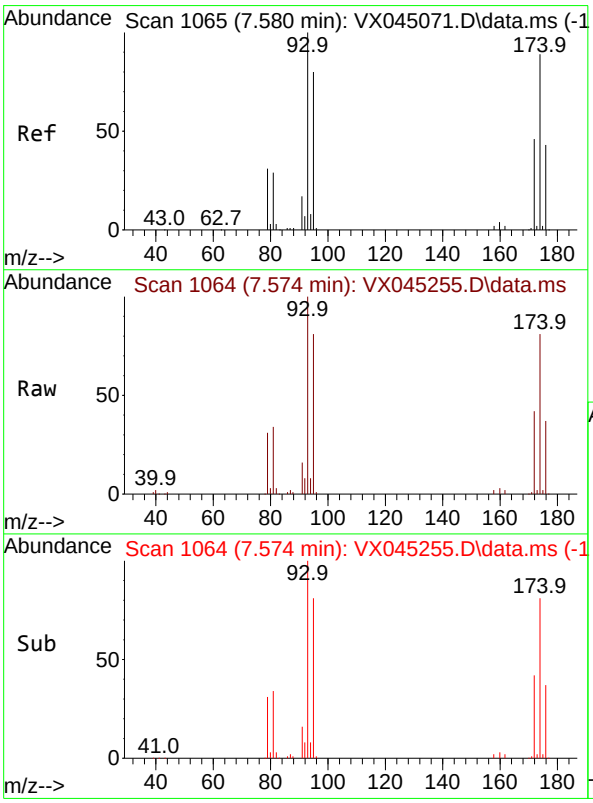
#45
1,2-Dichloropropane
Concen: 51.601 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 63147

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1

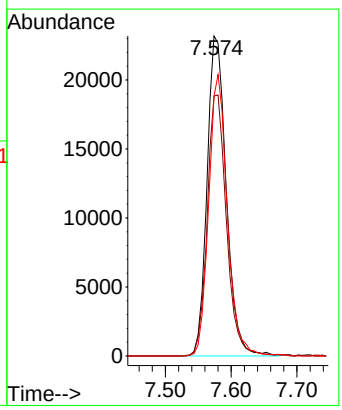


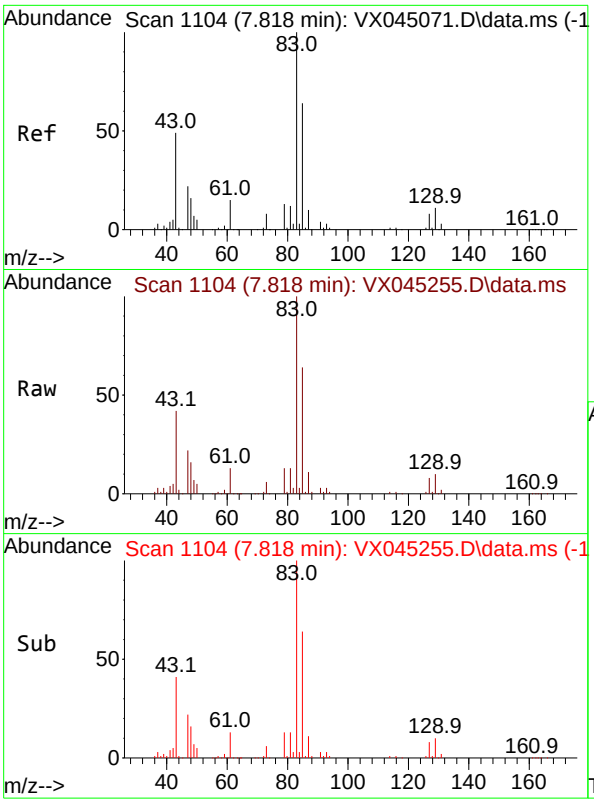


#46
Dibromomethane
Concen: 54.467 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 93 Resp: 47112

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	85.5	72.2	108.2



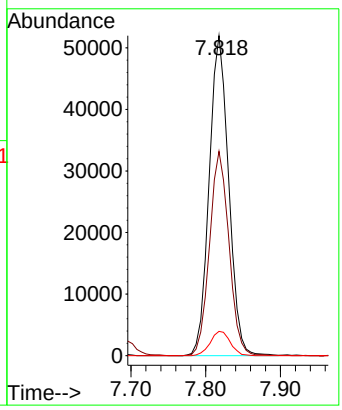


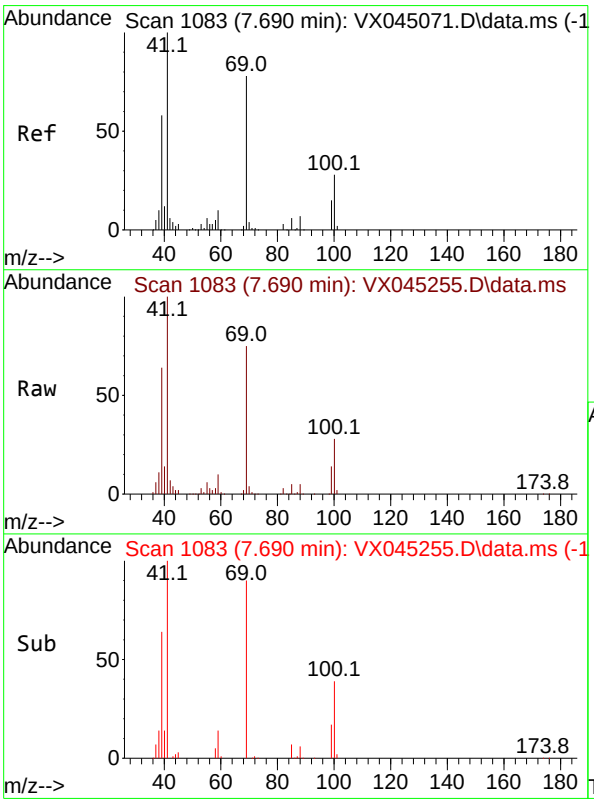
#47
Bromodichloromethane
Concen: 55.411 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 94011

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7
127	7.6	6.4	9.6

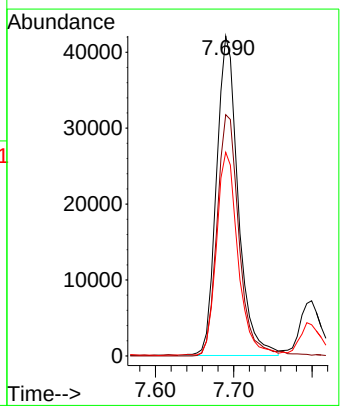


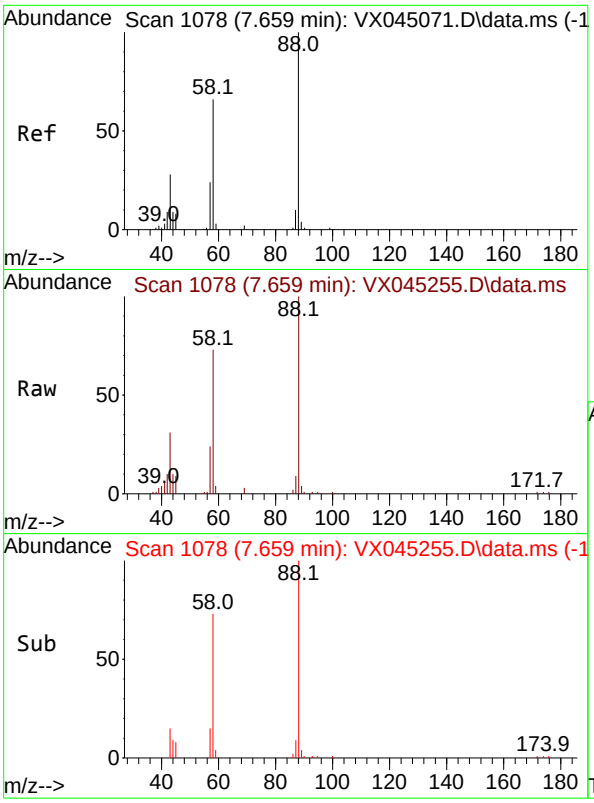


#48
Methyl methacrylate
Concen: 55.963 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 41 Resp: 80635

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.0	94.6
39	63.5	47.5	71.3



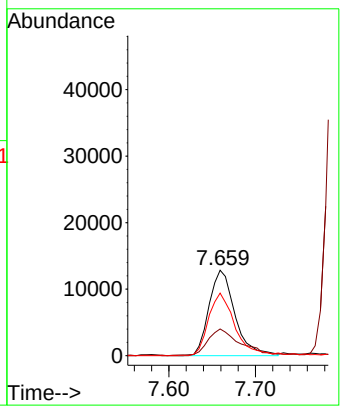


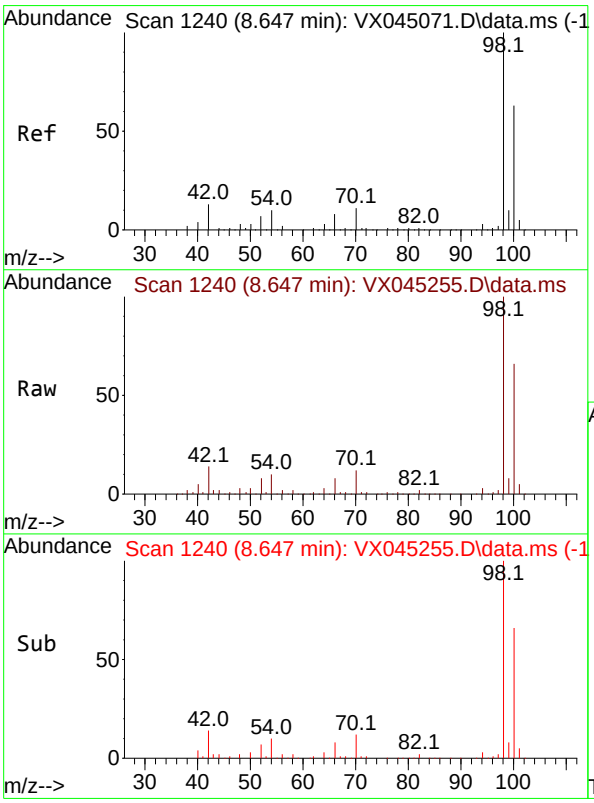
#49
1,4-Dioxane
Concen: 877.723 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26677

Ion	Ratio	Lower	Upper
88	100		
43	40.6	28.7	43.1
58	74.7	55.8	83.8

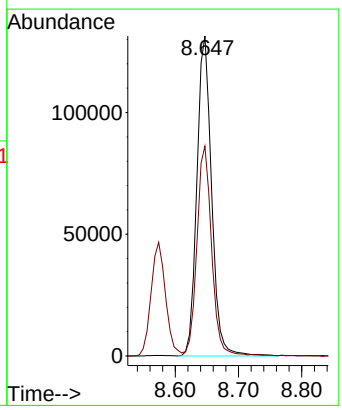


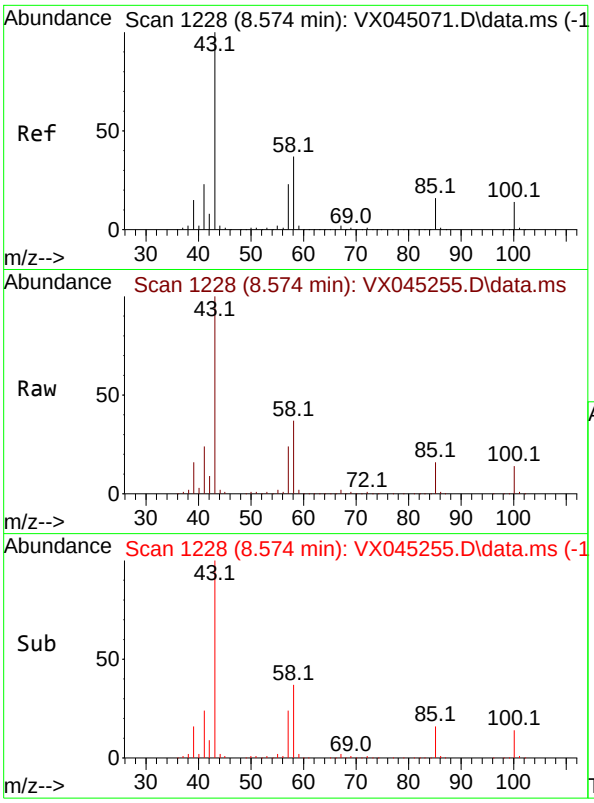


#50
Toluene-d8
Concen: 53.489 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 98 Resp: 213132

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



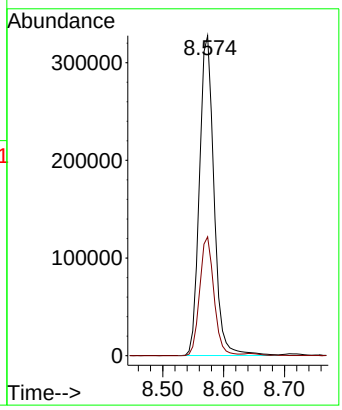


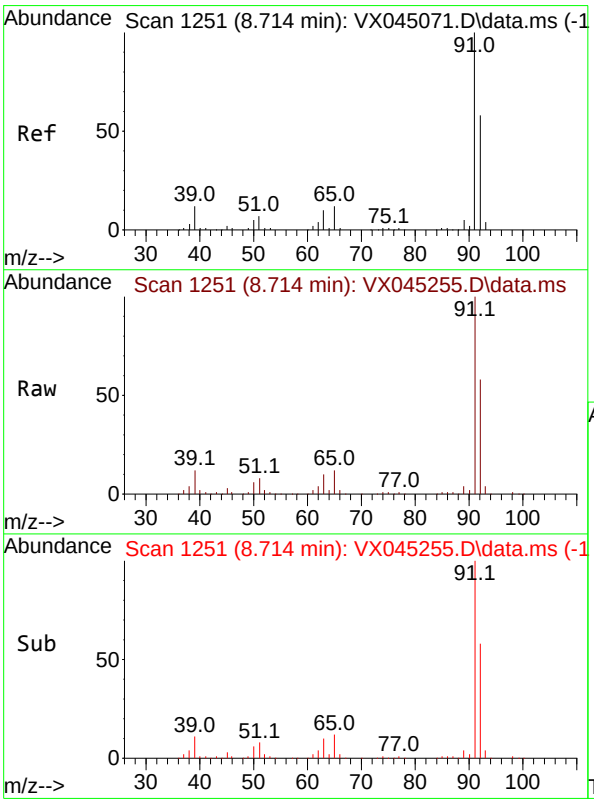
#51
4-Methyl-2-Pentanone
Concen: 282.851 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 545448

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.2	43.8

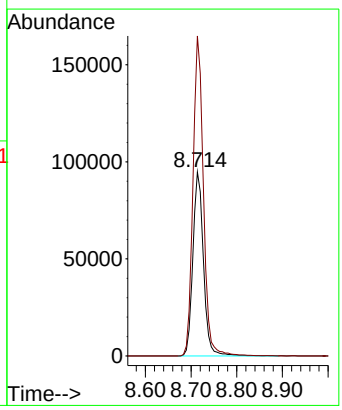


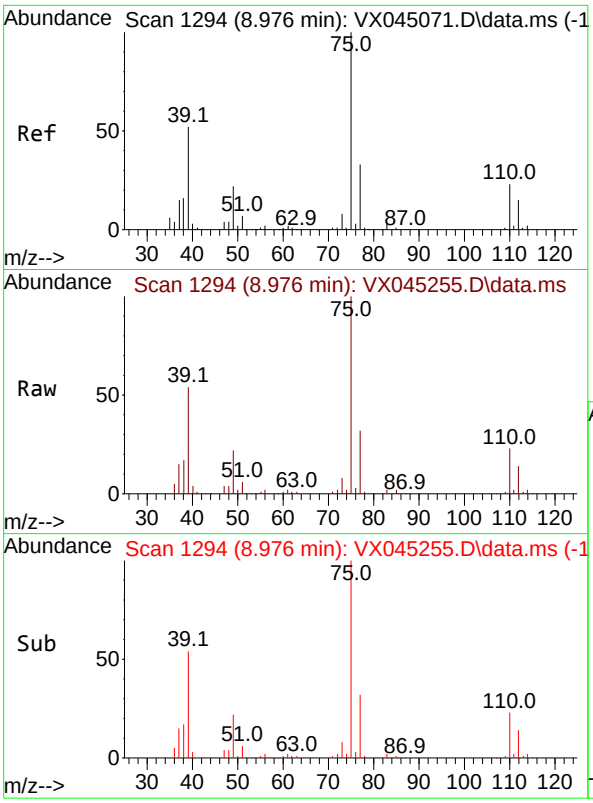


#52
Toluene
Concen: 54.592 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 92 Resp: 152454

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.9	208.3



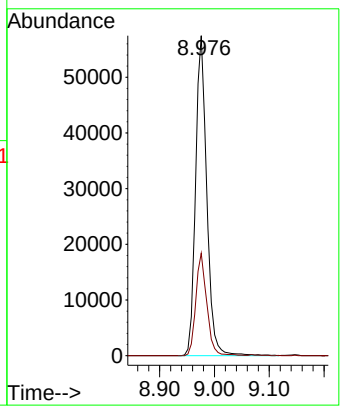


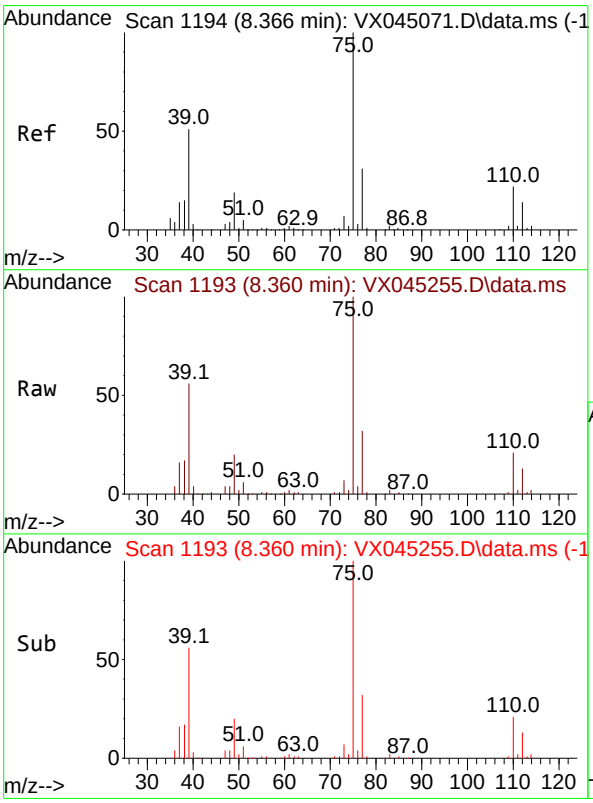
#53
t-1,3-Dichloropropene
Concen: 57.801 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 81984

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.5	39.7

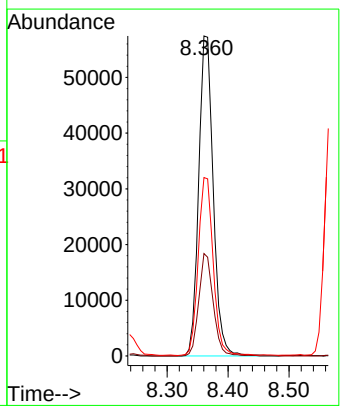


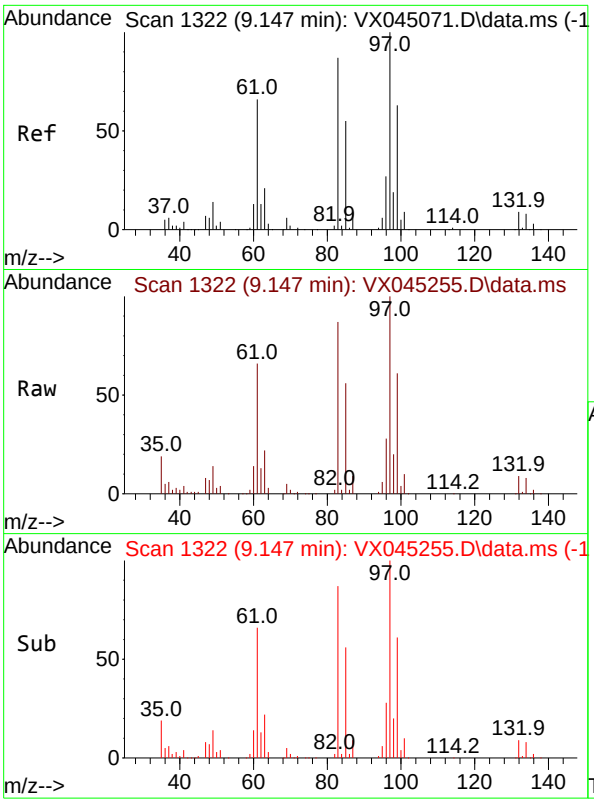


#54
cis-1,3-Dichloropropene
Concen: 57.608 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 95282

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.7	37.1
39	55.6	40.7	61.1



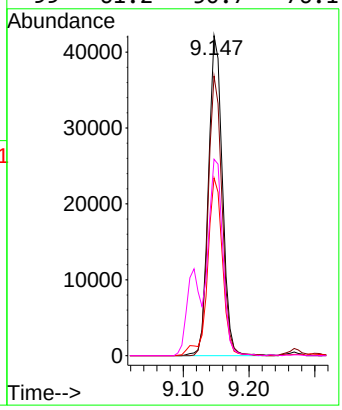


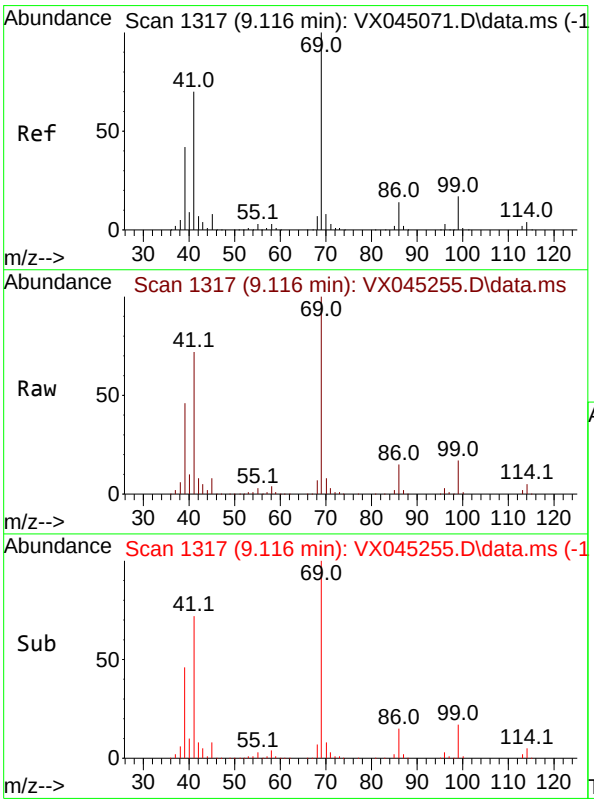
#55
1,1,2-Trichloroethane
Concen: 54.326 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 62455

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.4	104.2
85	55.5	44.1	66.1
99	61.2	50.7	76.1

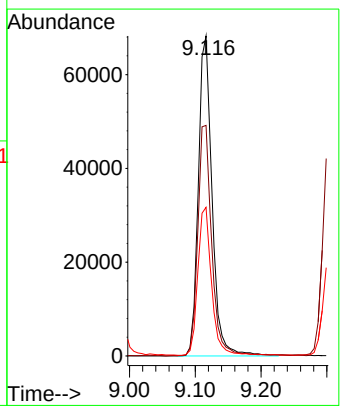


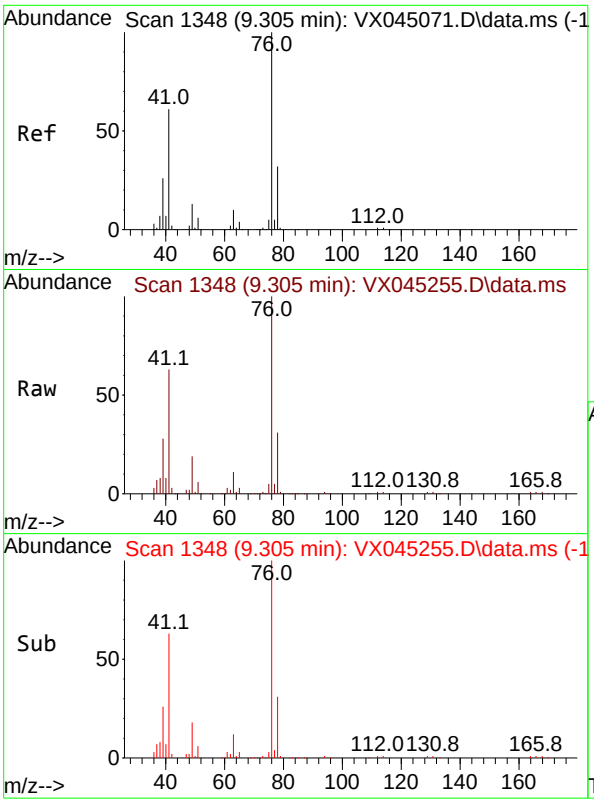


#56
Ethyl methacrylate
Concen: 56.827 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 69 Resp: 99307

Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.0	85.4
39	46.3	34.2	51.4



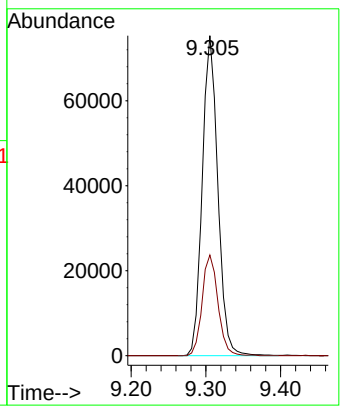


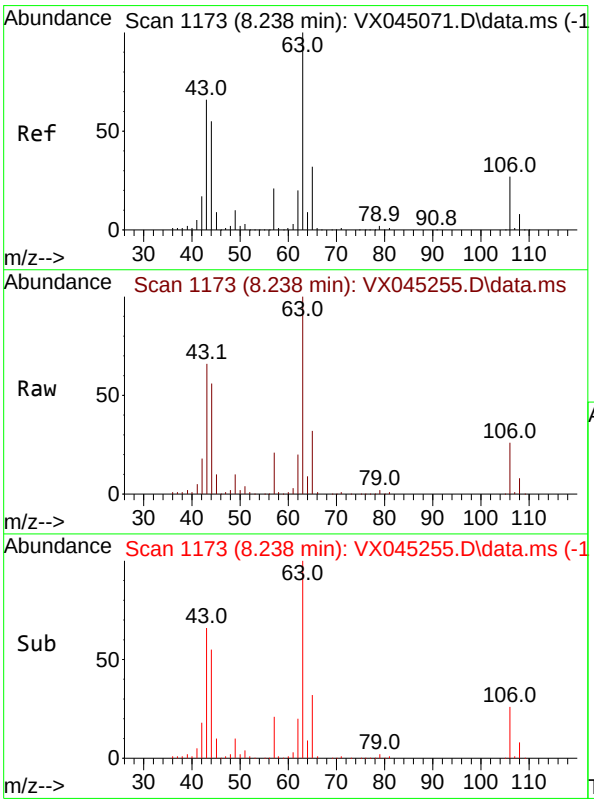
#57
1,3-Dichloropropane
Concen: 54.666 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 108760

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

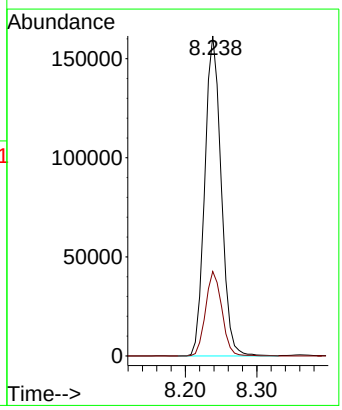


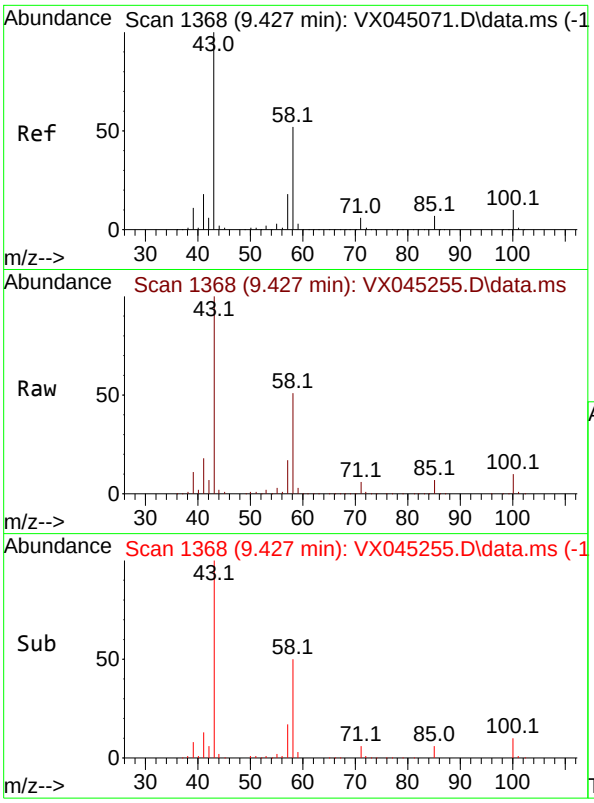


#58
2-Chloroethyl Vinyl ether
Concen: 302.223 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 63 Resp: 257633

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3



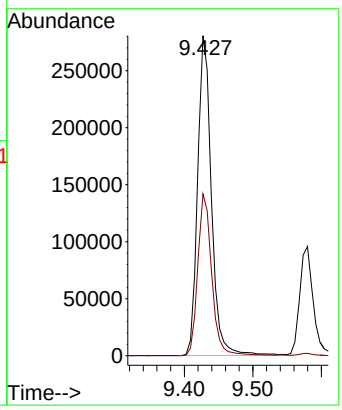


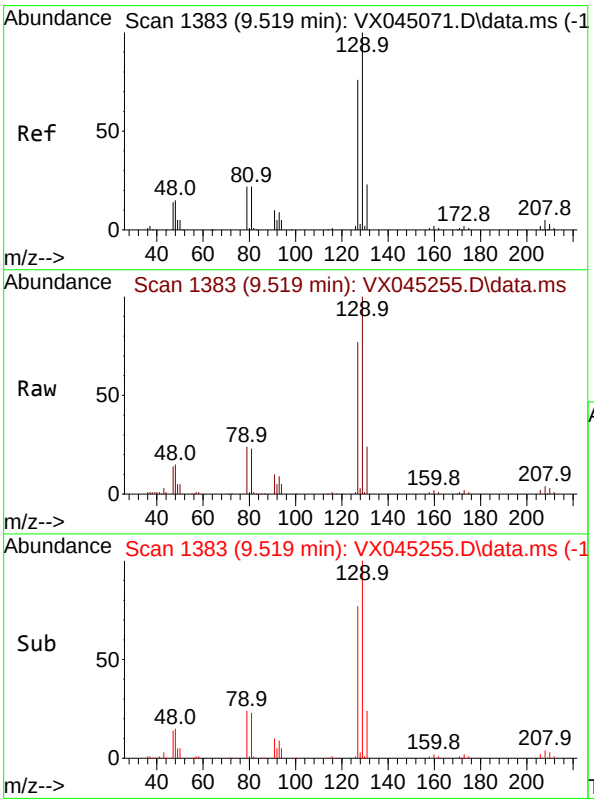
#59
2-Hexanone
Concen: 282.068 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 394107

Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

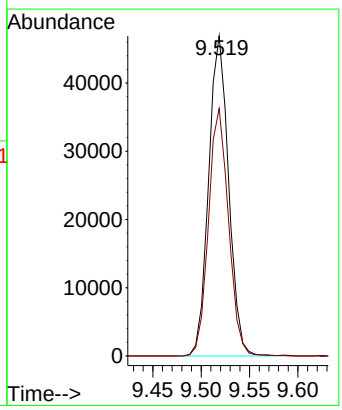


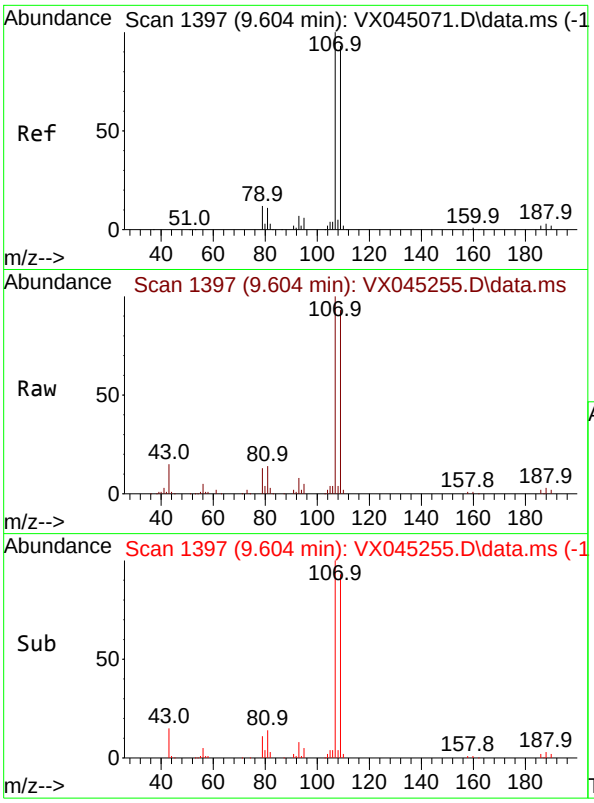


#60
Dibromochloromethane
Concen: 56.067 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:129 Resp: 67396

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5



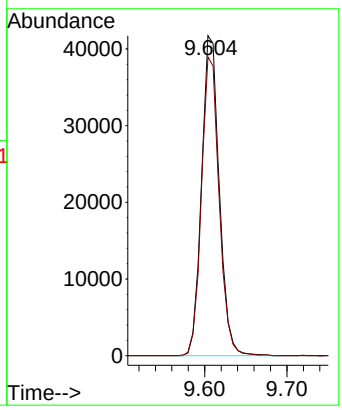


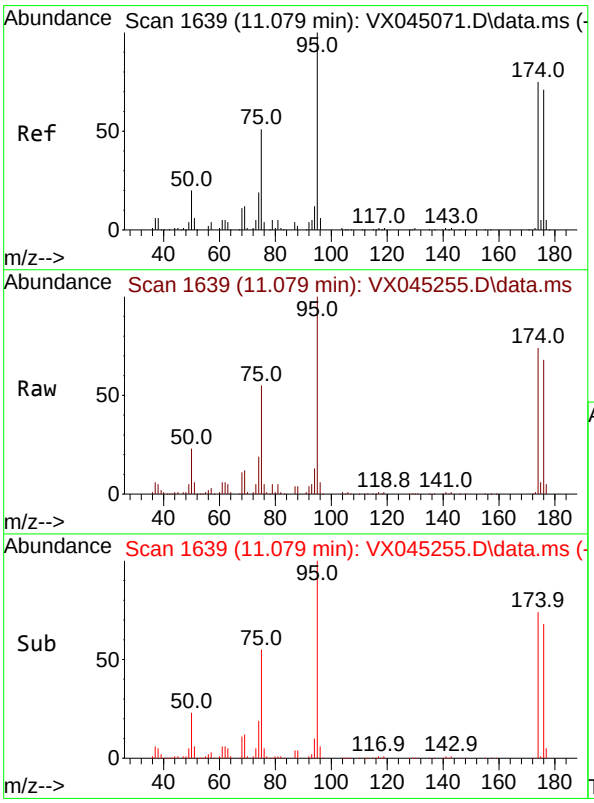
#61
1,2-Dibromoethane
Concen: 54.317 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 62339

Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1

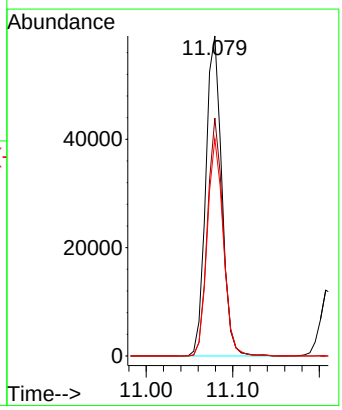


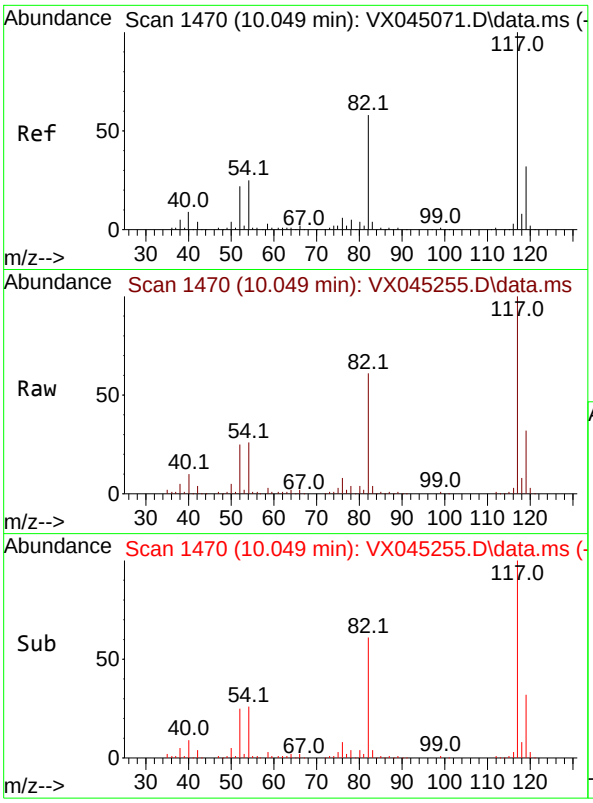


#62
4-Bromofluorobenzene
Concen: 57.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 95 Resp: 75812

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	148.2
176	68.1	0.0	141.4



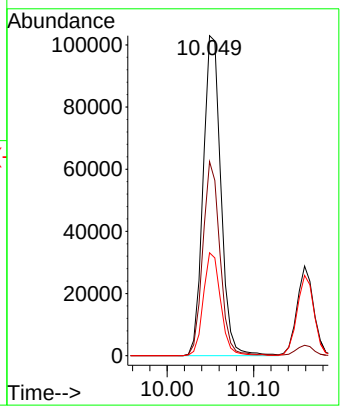


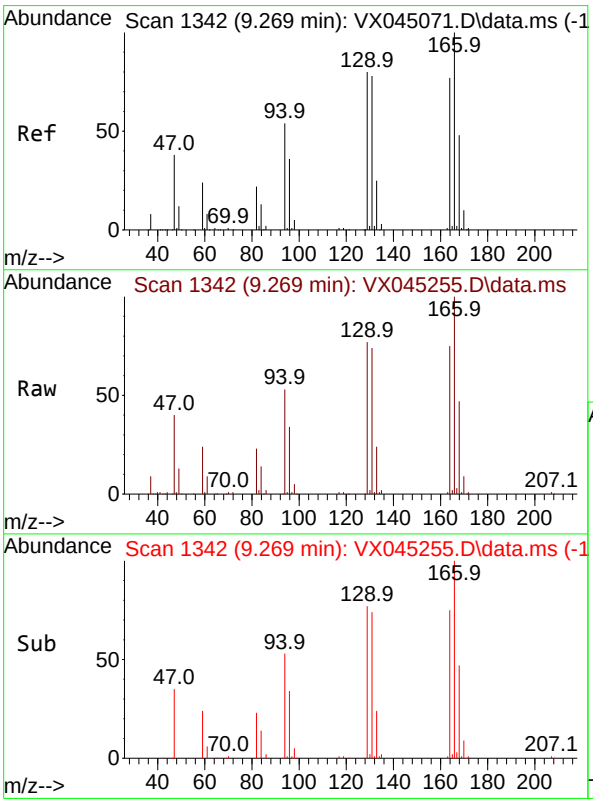
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 146495

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

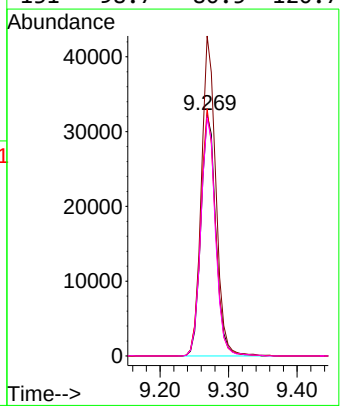


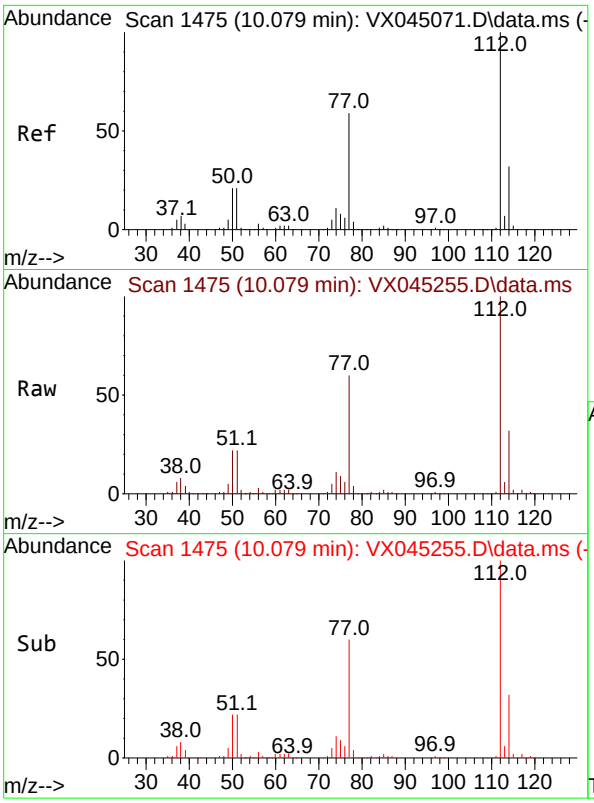


#64
Tetrachloroethene
Concen: 51.818 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:164 Resp: 48618

Ion	Ratio	Lower	Upper
164	100		
166	132.7	103.6	155.4
129	102.6	82.7	124.1
131	98.7	80.5	120.7



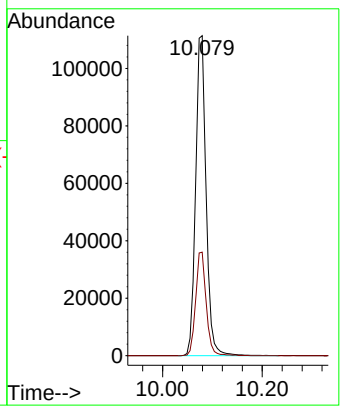


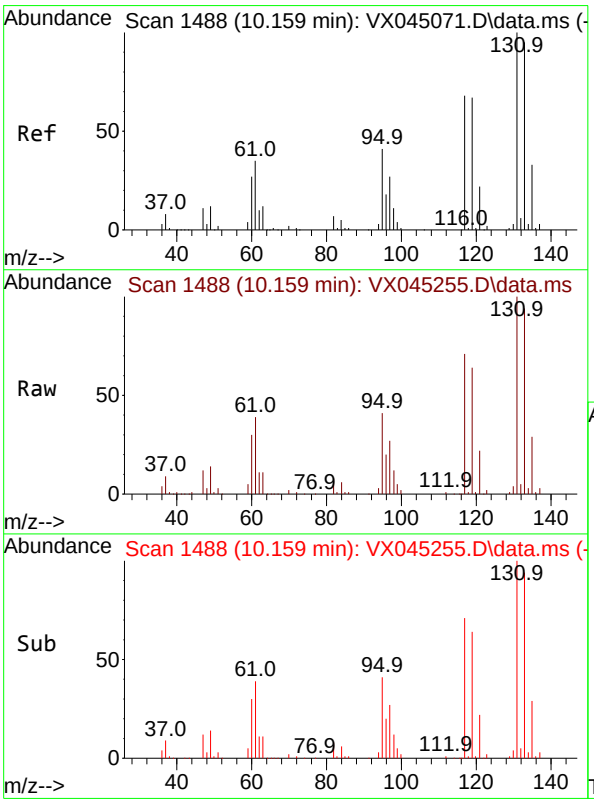
#65
Chlorobenzene
Concen: 52.346 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 162262

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

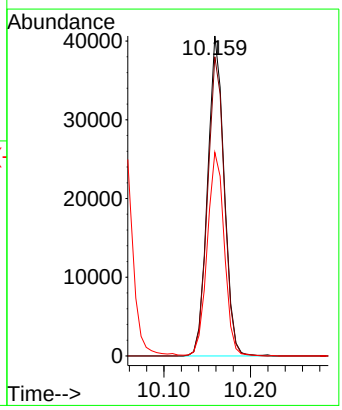


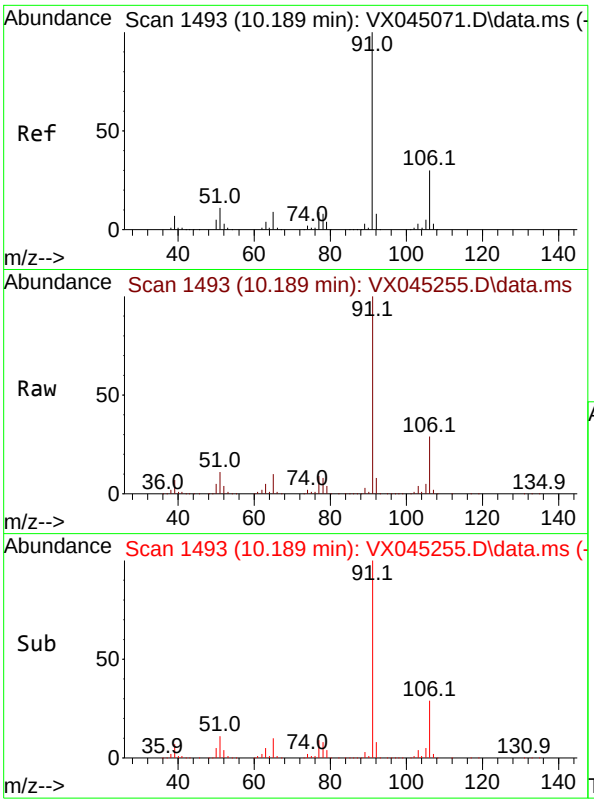


#66
1,1,1,2-Tetrachloroethane
Concen: 52.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:131 Resp: 54040

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	65.2	33.9	101.7



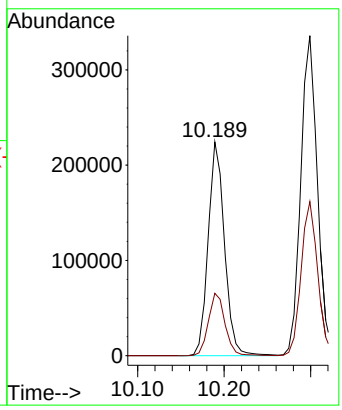


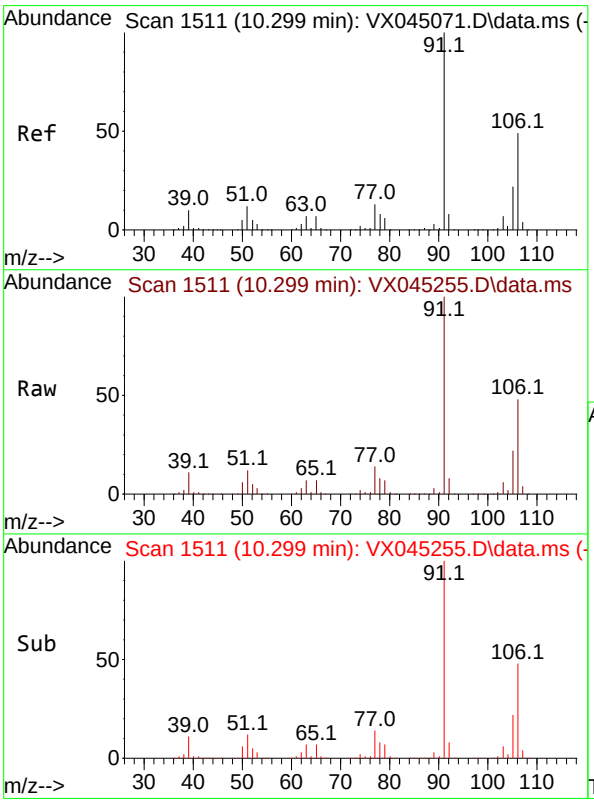
#67
Ethyl Benzene
Concen: 54.454 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 294120

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9

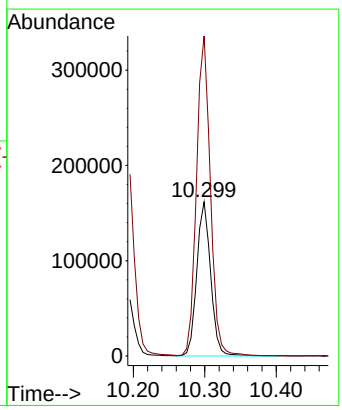


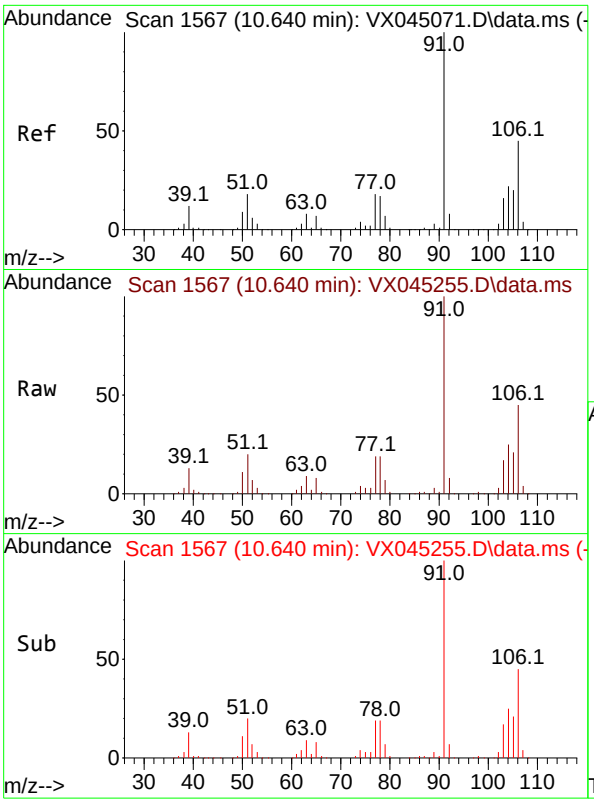


#68
m/p-Xylenes
Concen: 109.706 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:106 Resp: 216917

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.4	248.0



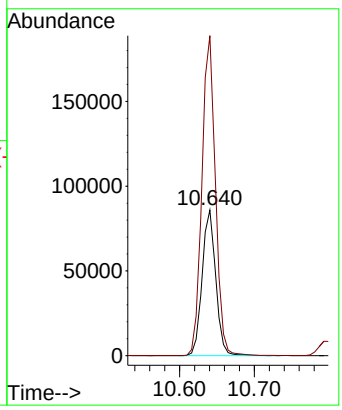


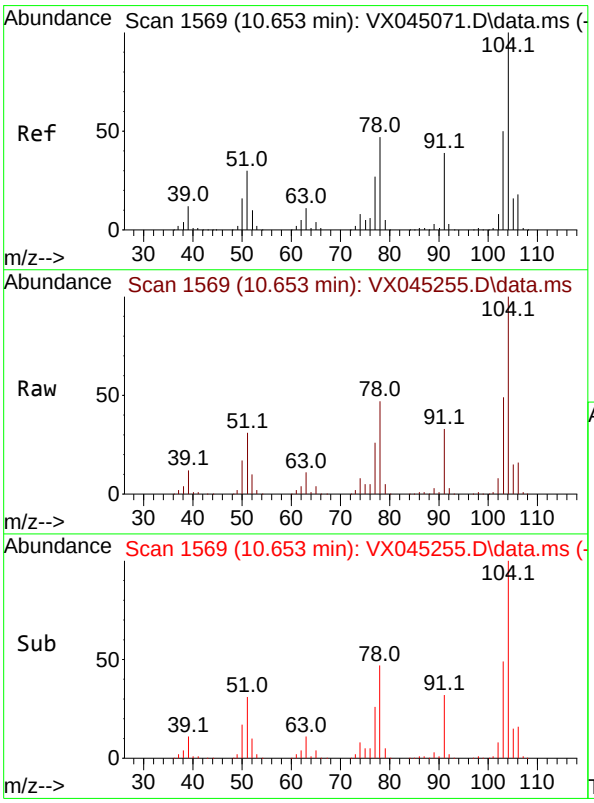
#69
o-Xylene
Concen: 54.430 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 108543

Ion	Ratio	Lower	Upper
106	100		
91	218.7	109.9	329.6

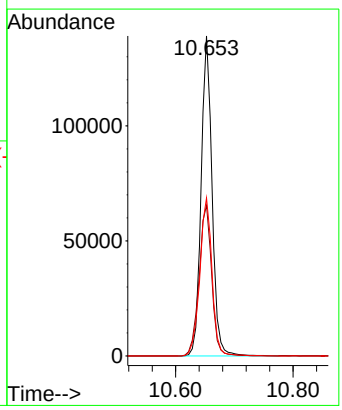


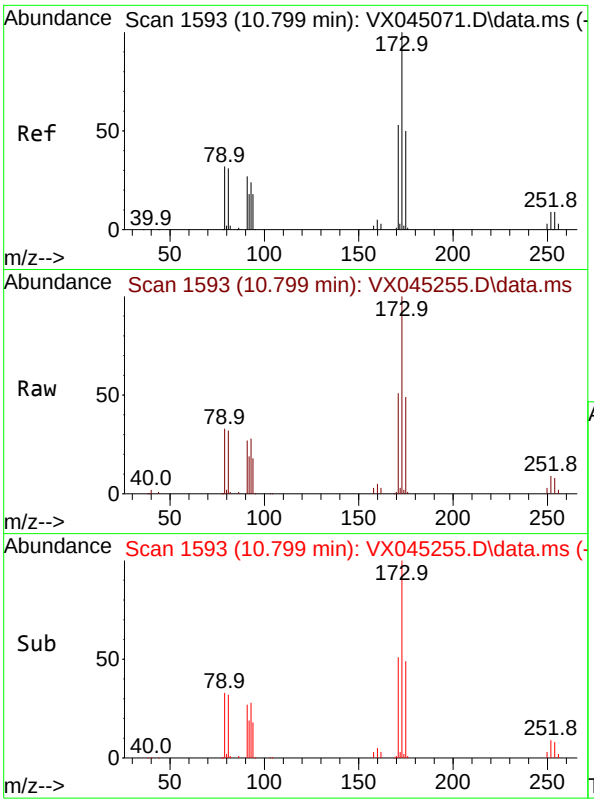


#70
Styrene
Concen: 55.697 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:104 Resp: 179718

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	55.3	43.8	65.8



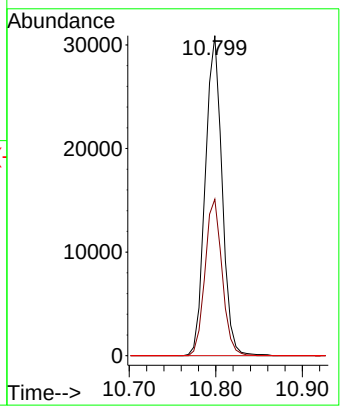


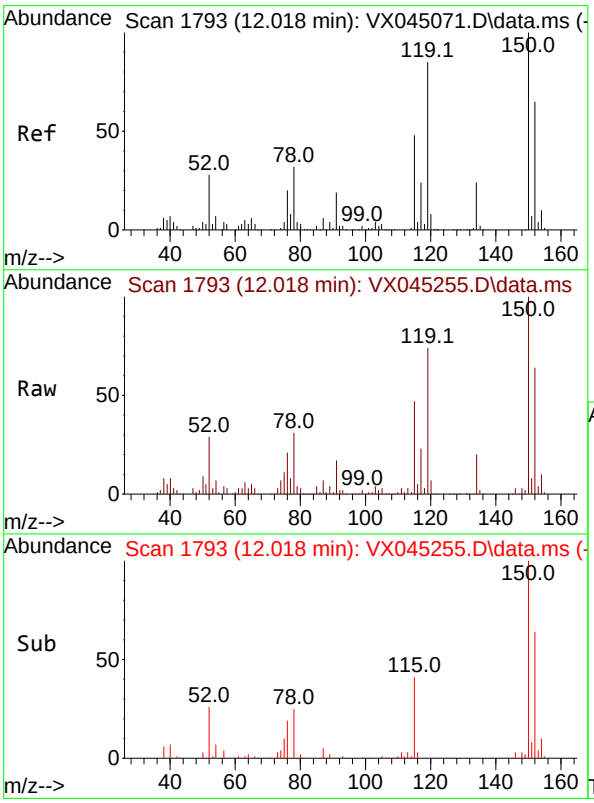
#71
Bromoform
Concen: 53.386 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 41558

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.0	0.0	0.0

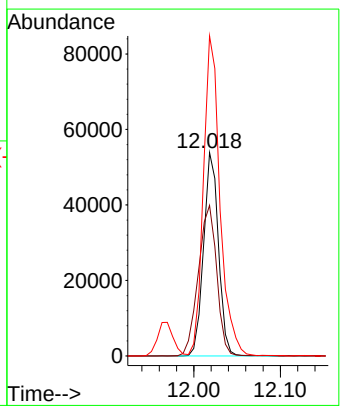


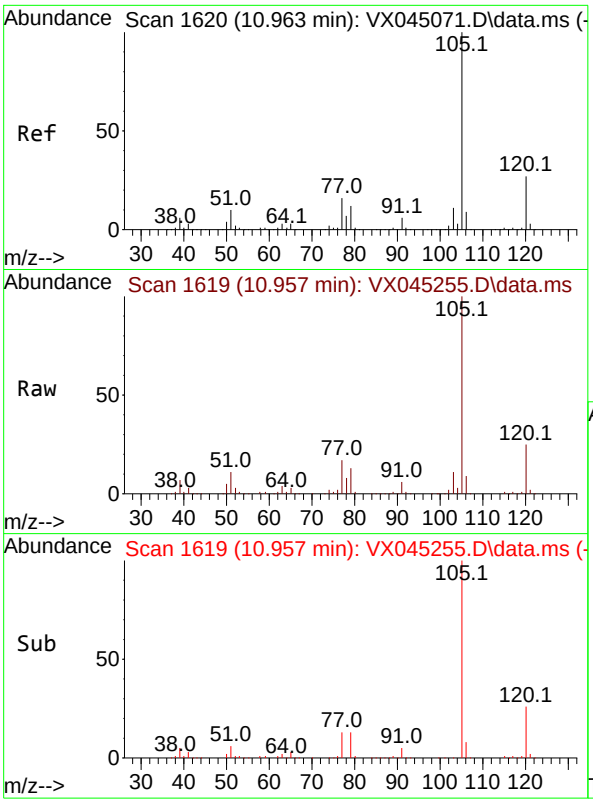


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:152 Resp: 64200

Ion	Ratio	Lower	Upper
152	100		
115	91.6	44.2	132.6
150	175.7	0.0	349.0



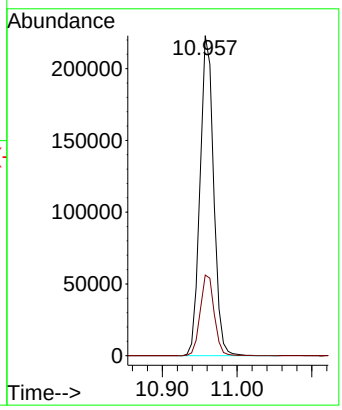


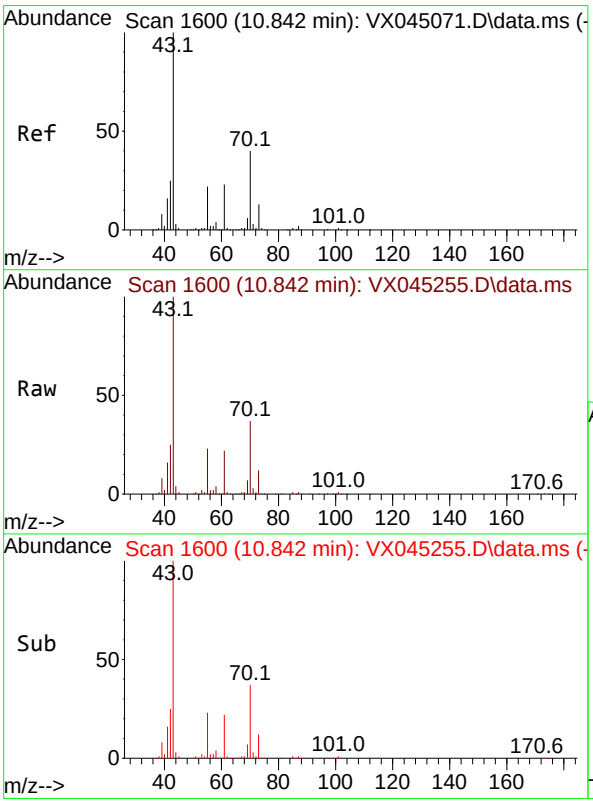
#73
Isopropylbenzene
Concen: 56.246 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 281848

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

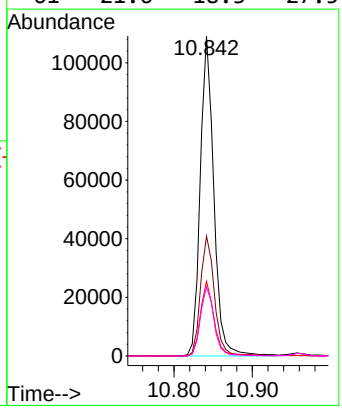


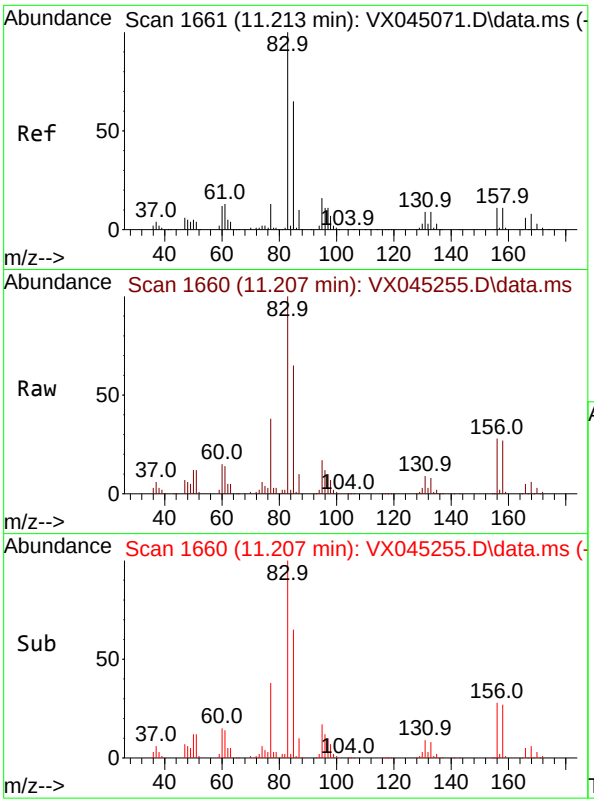


#74
N-amyl acetate
Concen: 56.043 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 43 Resp: 131774

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.8	47.6
55	23.7	18.3	27.5
61	21.6	18.3	27.5



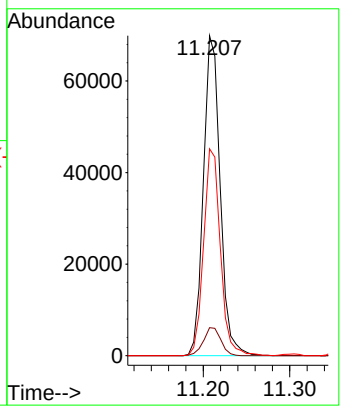


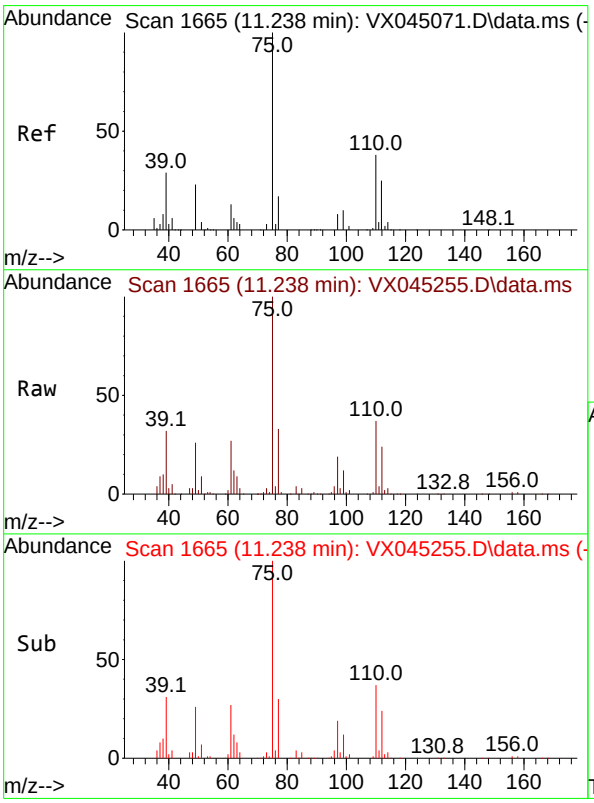
#75
1,1,2,2-Tetrachloroethane
Concen: 51.034 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 93844

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.8	31.7	95.1

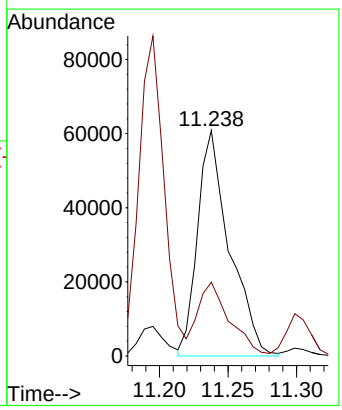


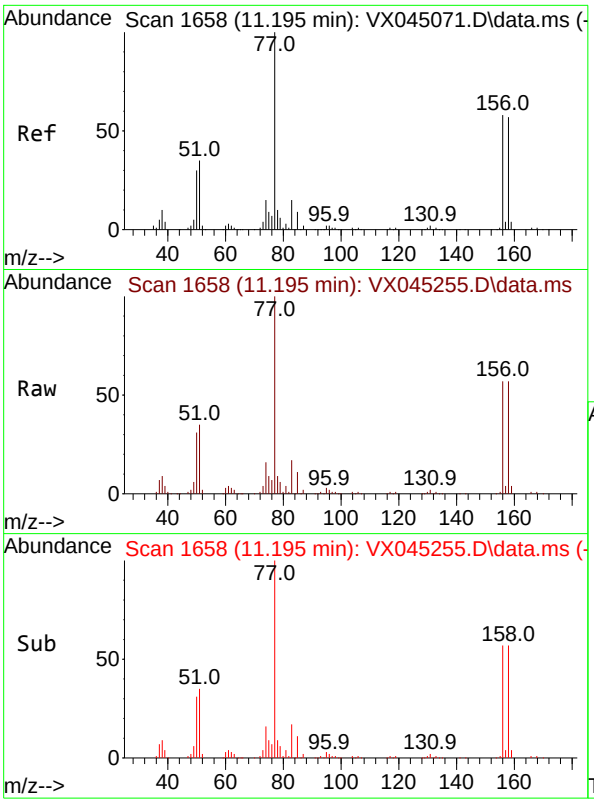


#76
1,2,3-Trichloropropane
Concen: 66.197 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 98916

Ion	Ratio	Lower	Upper
75	100		
77	32.4	20.7	62.1



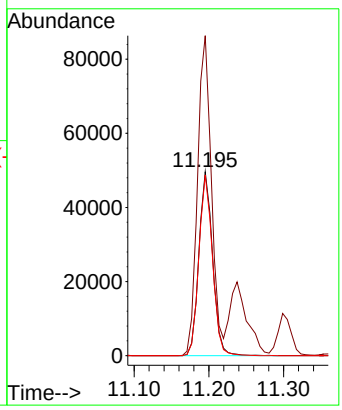


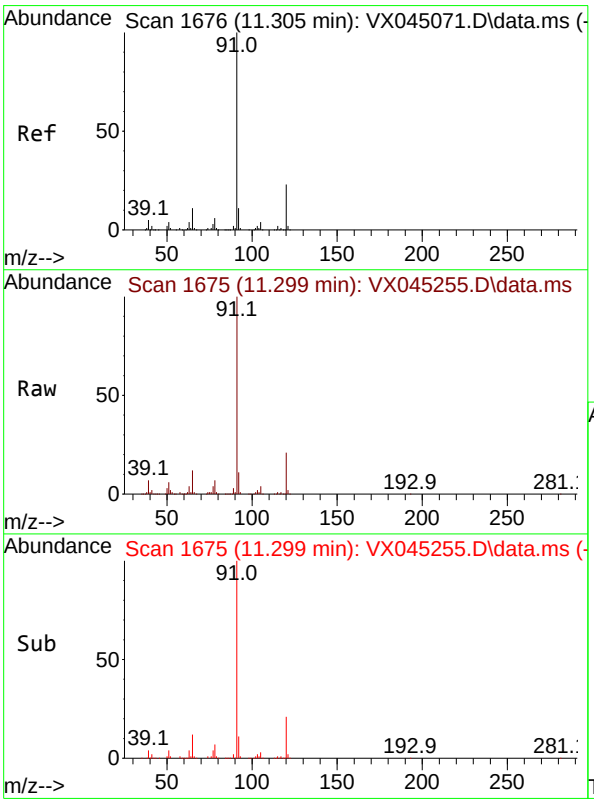
#77
Bromobenzene
Concen: 53.528 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 63287

Ion	Ratio	Lower	Upper
156	100		
77	176.3	85.8	257.4
158	97.4	48.4	145.2

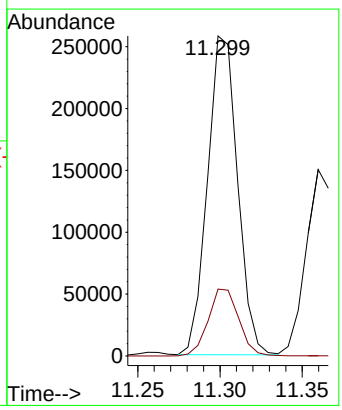


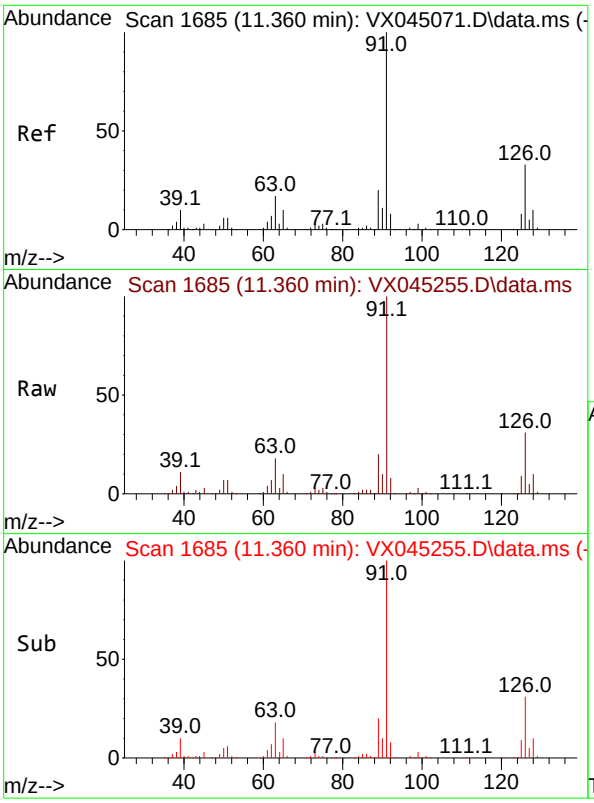


#78
n-propylbenzene
Concen: 57.903 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 91 Resp: 327763

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6



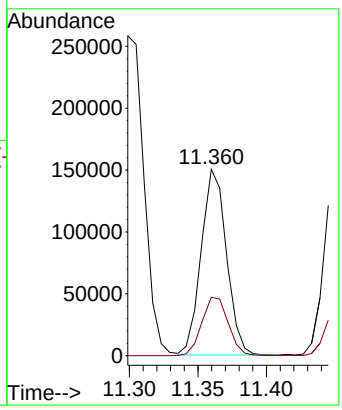


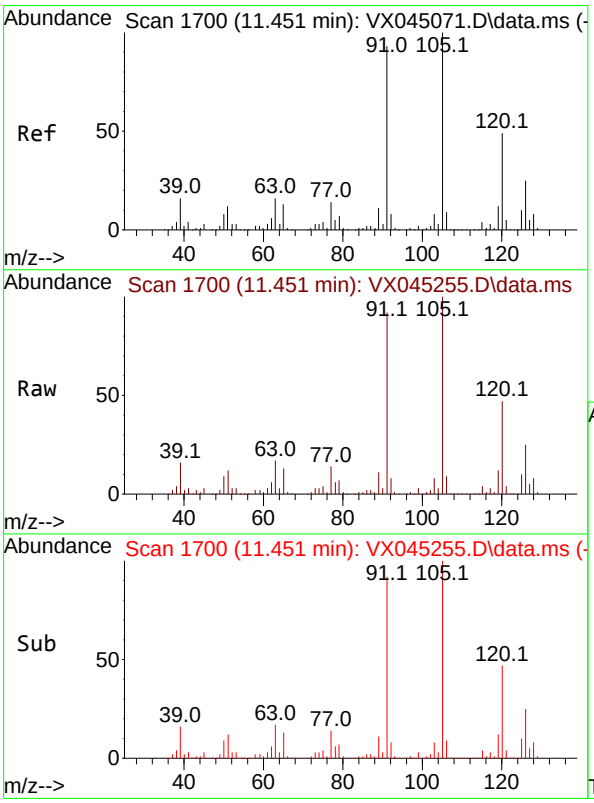
#79
2-Chlorotoluene
Concen: 53.629 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 193334

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

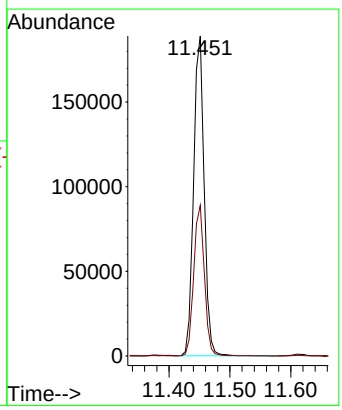


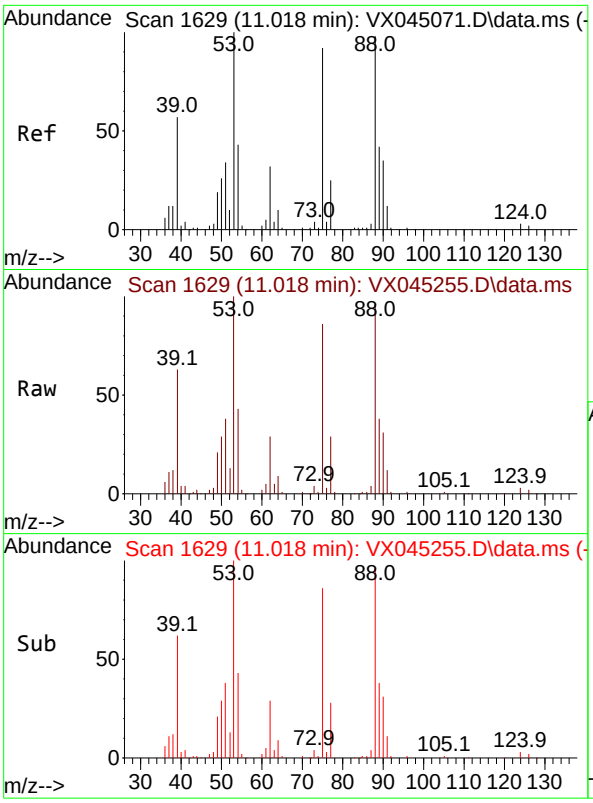


#80
1,3,5-Trimethylbenzene
Concen: 56.011 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:105 Resp: 226942

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.1	72.2



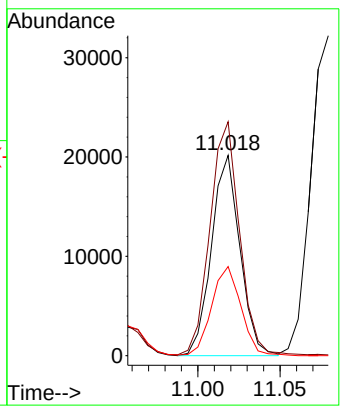


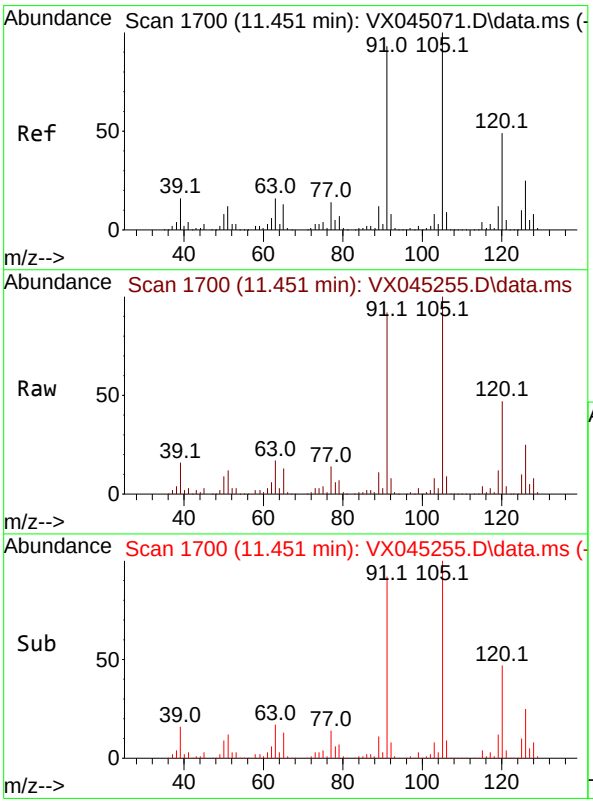
#81
trans-1,4-Dichloro-2-butene
Concen: 55.696 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 24319

Ion	Ratio	Lower	Upper
75	100		
53	120.2	88.5	132.7
89	45.7	36.2	54.4

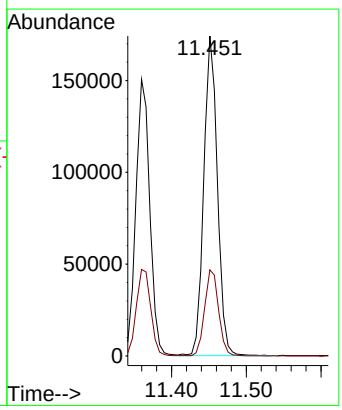


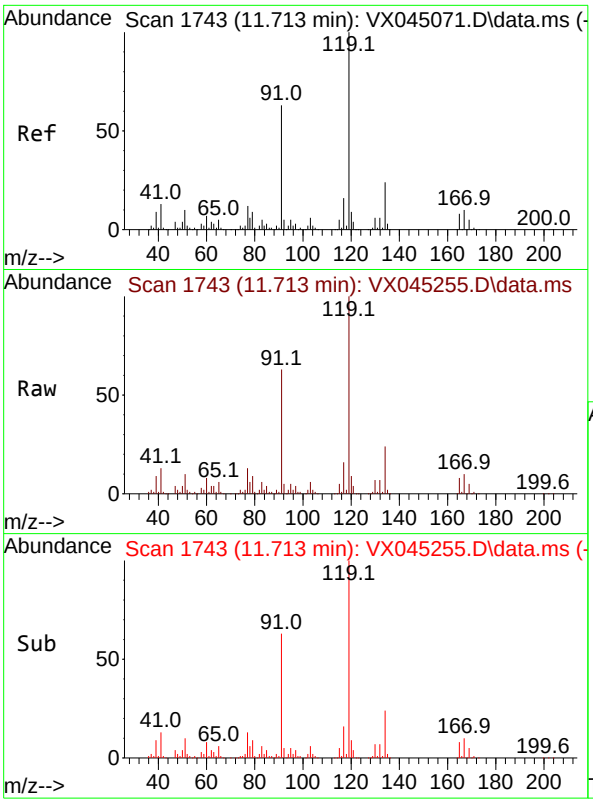


#82
4-Chlorotoluene
Concen: 55.942 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 91 Resp: 219795

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



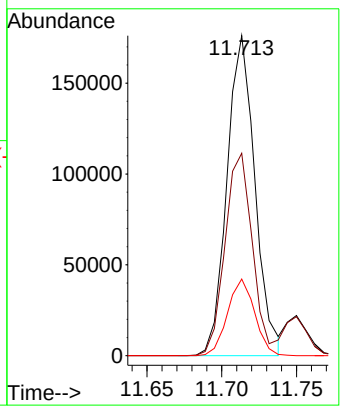


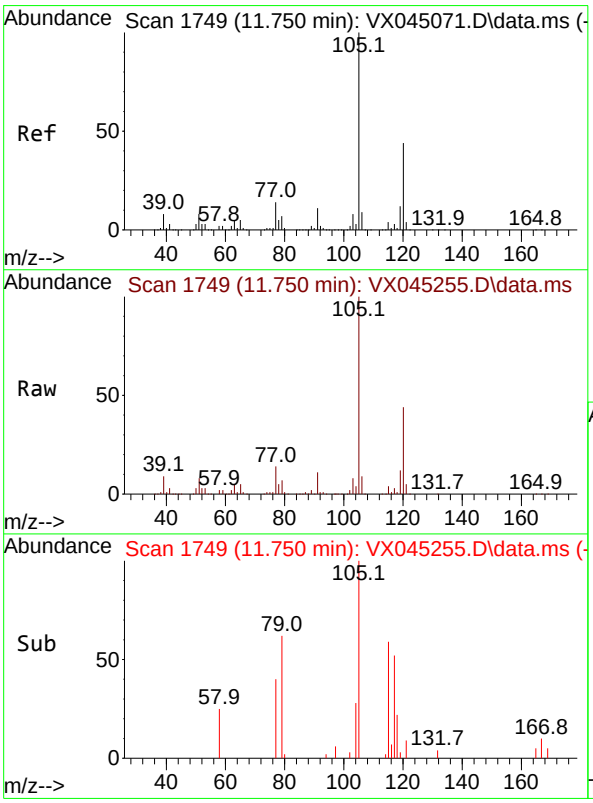
#83
tert-Butylbenzene
Concen: 55.084 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 229318

Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.7	92.1
134	23.2	11.7	35.0

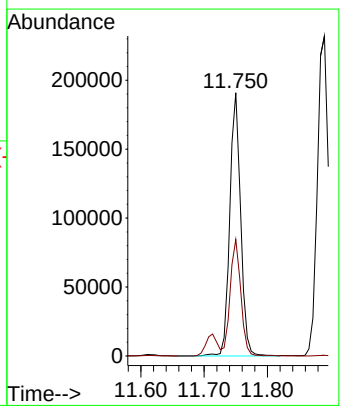


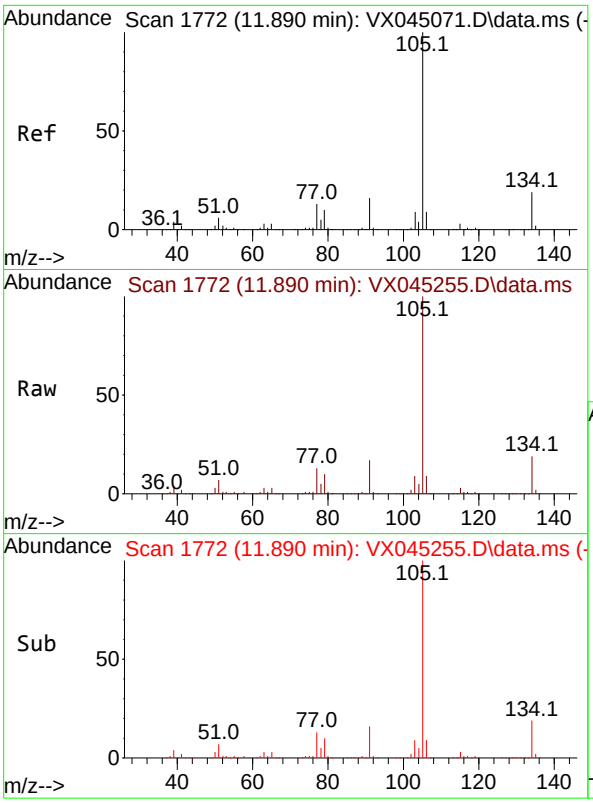


#84
1,2,4-Trimethylbenzene
Concen: 55.915 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:105 Resp: 227959

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1



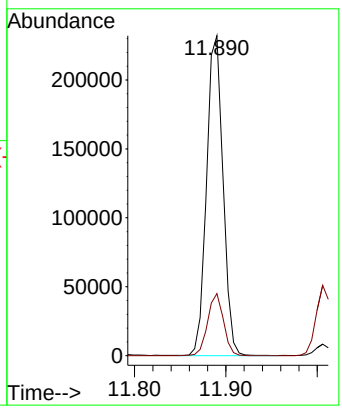


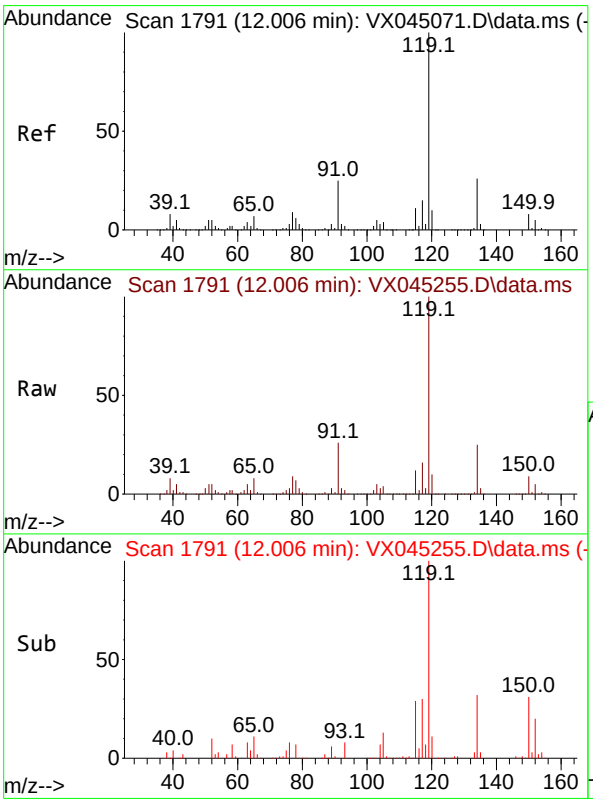
#85
sec-Butylbenzene
Concen: 58.061 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 289541

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.4

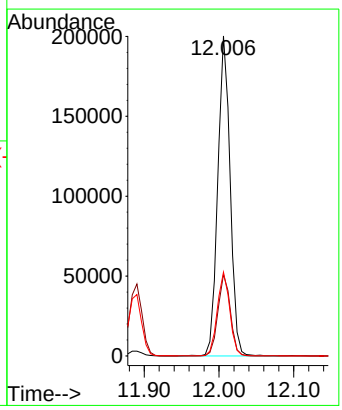


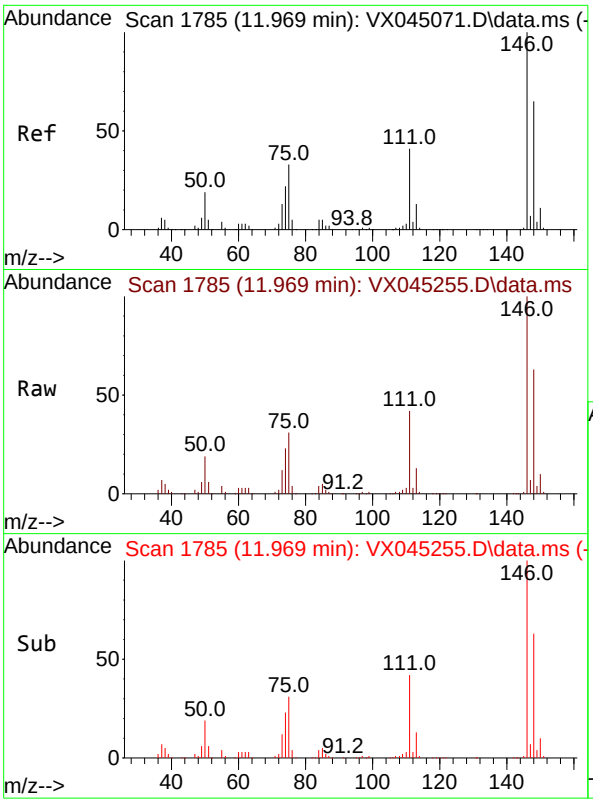


#86
p-Isopropyltoluene
Concen: 57.285 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:119 Resp: 230863

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	26.2	12.7	38.0



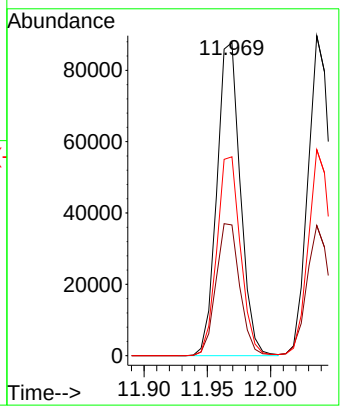


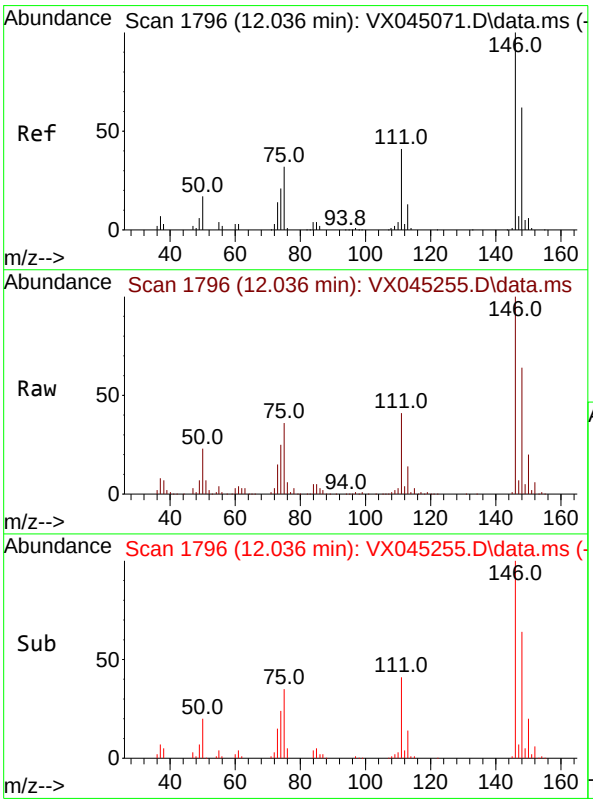
#87
1,3-Dichlorobenzene
Concen: 53.552 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 112951

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	64.2	31.9	95.7

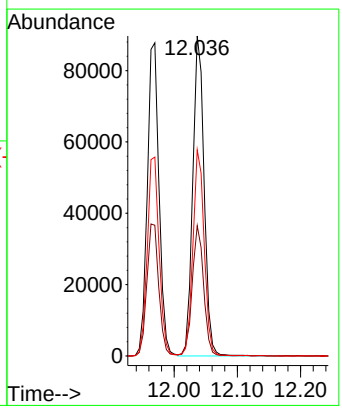


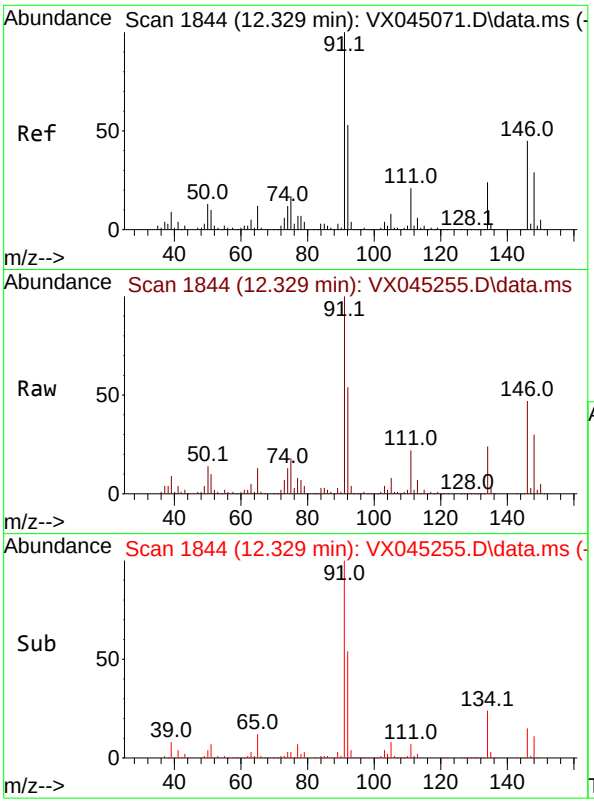


#88
1,4-Dichlorobenzene
Concen: 52.597 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:146 Resp: 112234

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.5
148	63.5	31.9	95.9



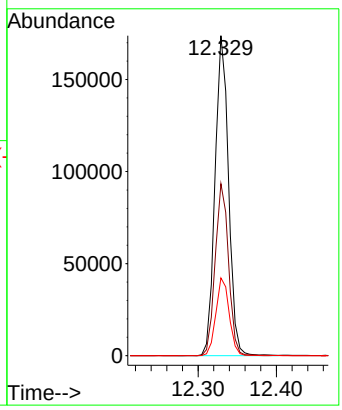


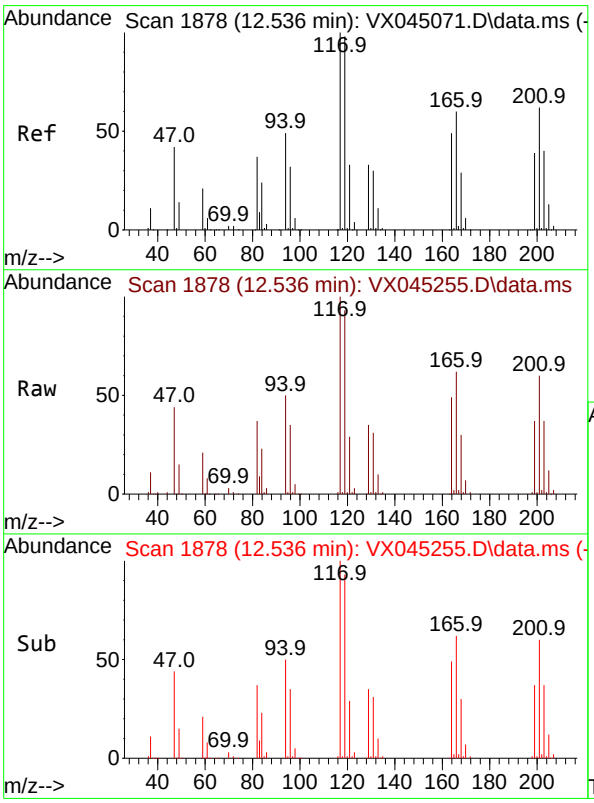
#89
n-Butylbenzene
Concen: 60.015 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 208311

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.0	12.2	36.6

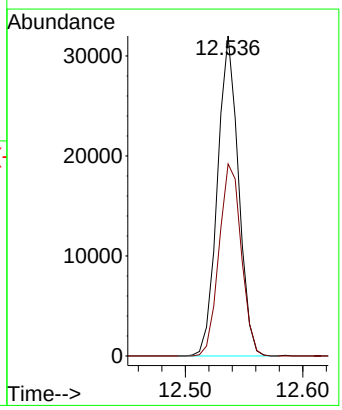


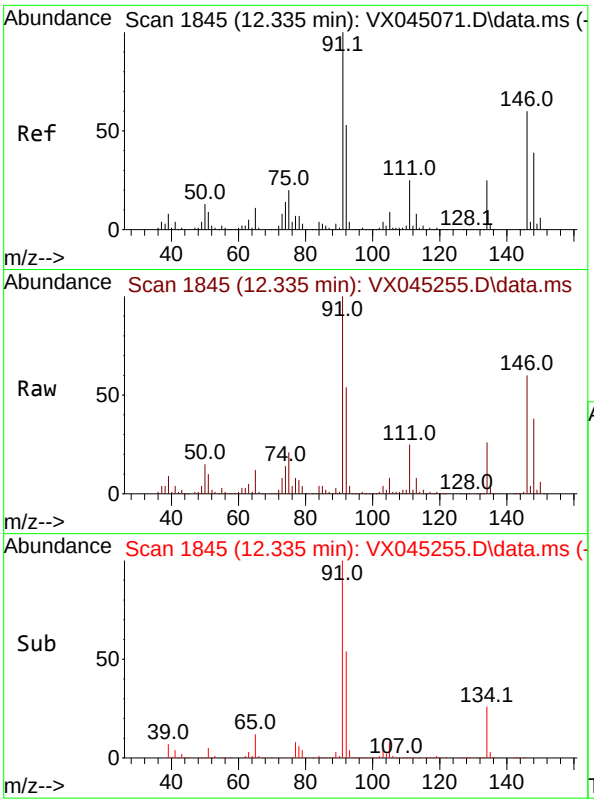


#90
Hexachloroethane
Concen: 54.530 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:117 Resp: 39749

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



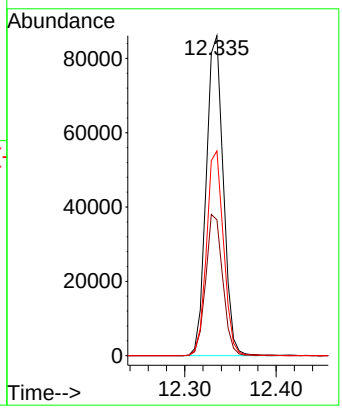


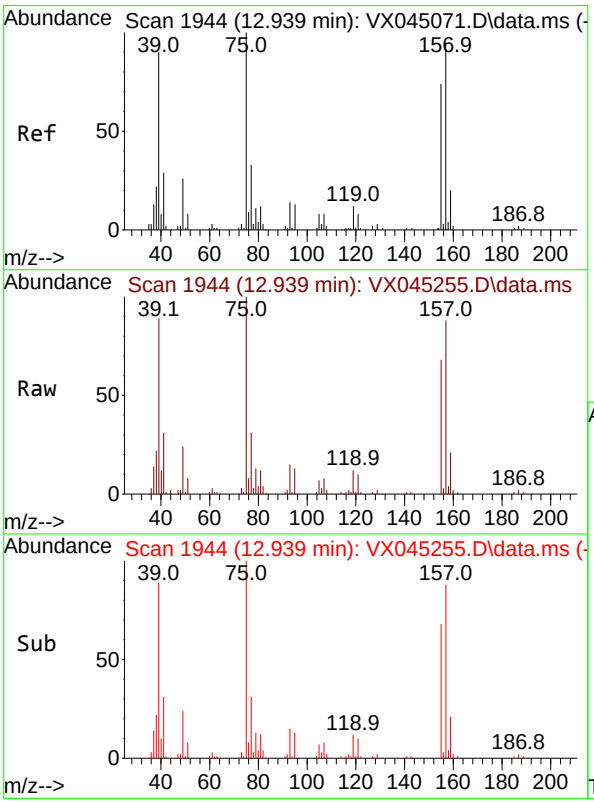
#91
1,2-Dichlorobenzene
Concen: 52.805 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 111724

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	65.0
148	63.9	31.9	95.9

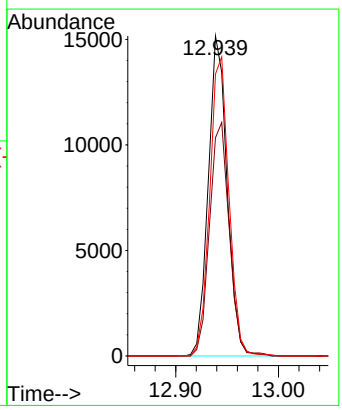


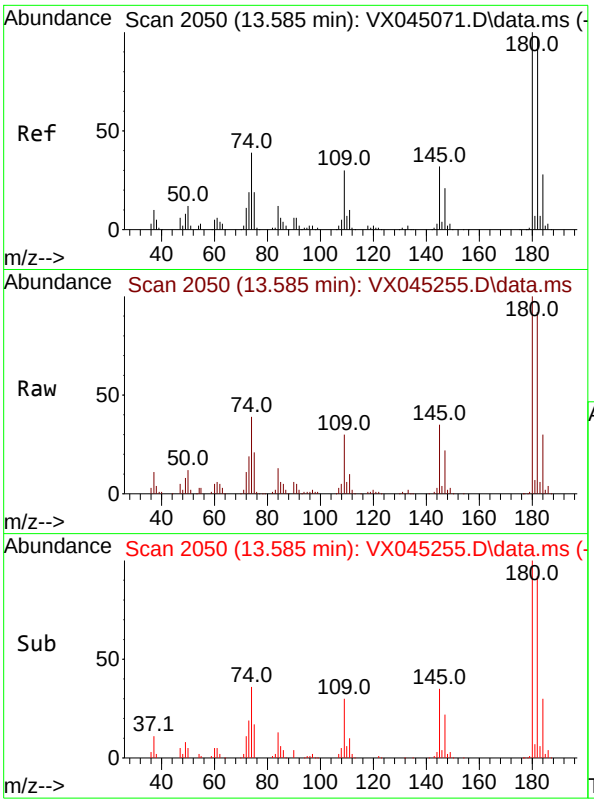


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.028 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion: 75 Resp: 19355

Ion	Ratio	Lower	Upper
75	100		
155	75.9	39.6	118.7
157	95.1	51.1	153.4



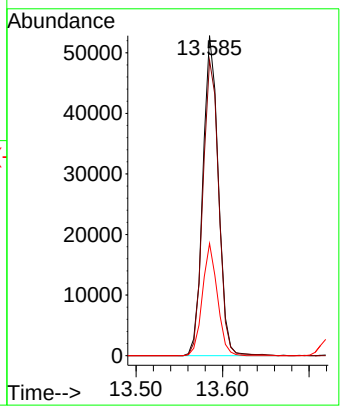


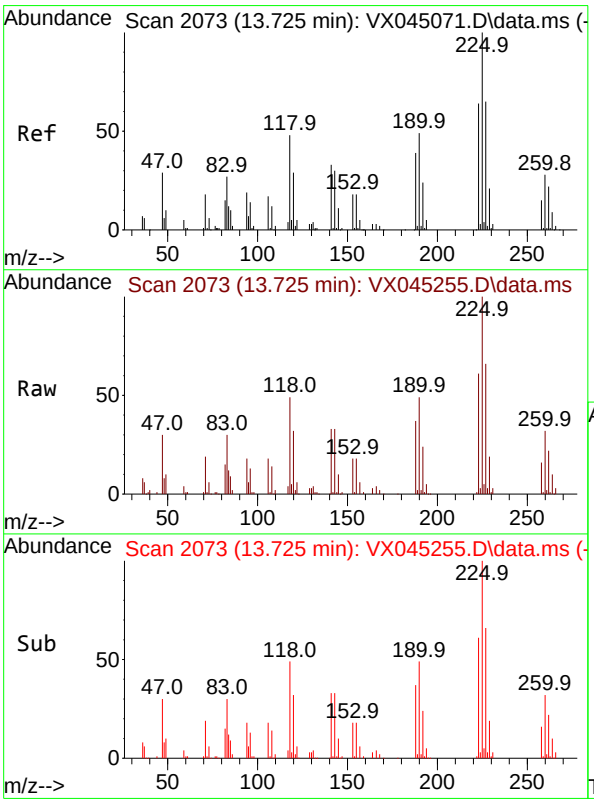
#93
1,2,4-Trichlorobenzene
Concen: 54.341 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 65467

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	33.8	16.3	48.9

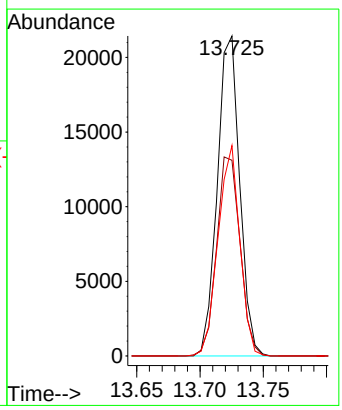


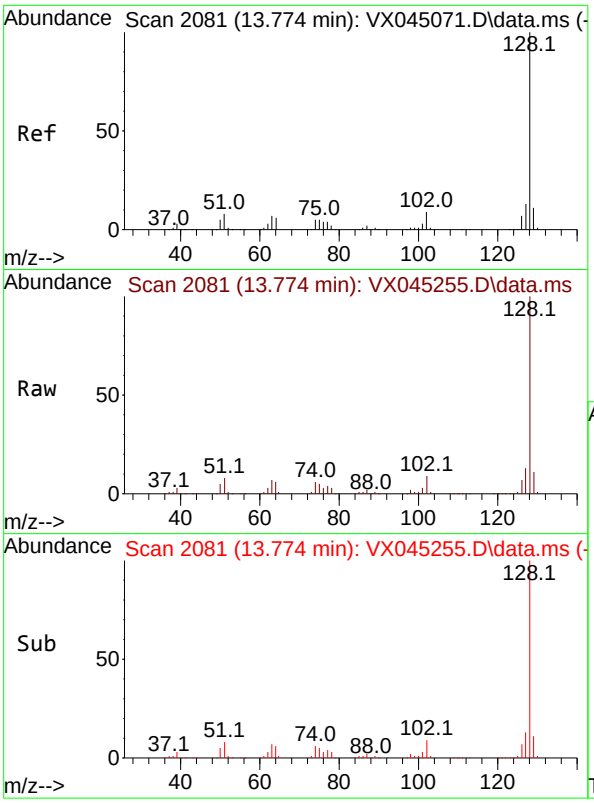


#94
Hexachlorobutadiene
Concen: 53.298 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:225 Resp: 26325

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.9	95.7
227	63.9	31.4	94.0



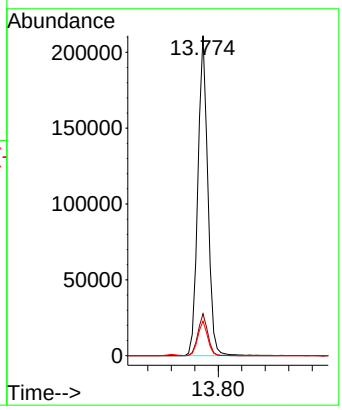


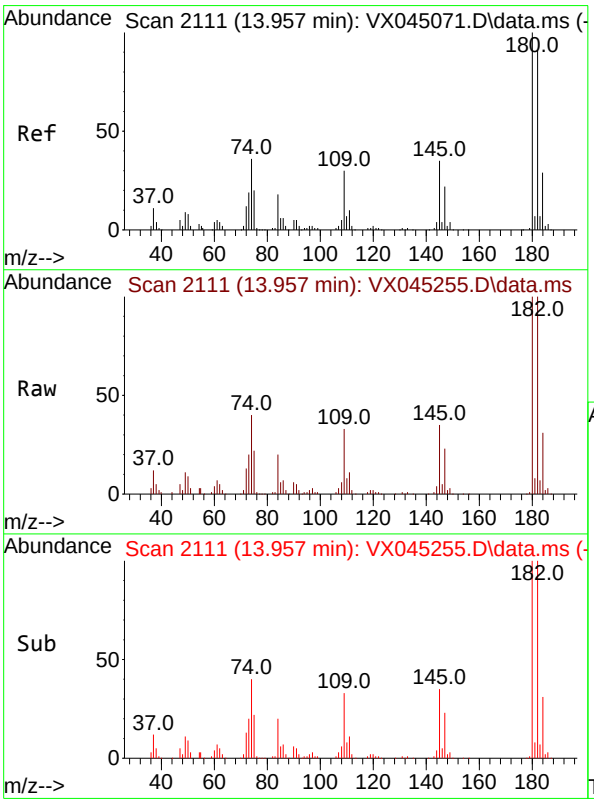
#95
Naphthalene
Concen: 53.582 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 248016

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 52.474 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045255.D
Acq: 12 Mar 2025 17:41

Tgt Ion:180 Resp: 66692

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	34.5	17.0	50.9

