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

Cover Page

Order ID : P4600

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4600-01	BP-VPB-190-TB-20241025
P4600-02	BP-VPB-190-DUP-20241025
P4600-03	BP-VPB-190-GW-438-440
P4600-04	BP-VPB-190-GW-458-460
P4600-05	BP-VPB-190-GW-478-480
P4600-06	BP-VPB-190-GW-498-500
P4600-07	BP-VPB-190-GW-518-520

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

Signature : _____

Date: 11/7/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # P4600
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 10/28/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

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

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

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The Samples #BP-VPB-190-DUP-20241025, BP-VPB-190-GW-438-440 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1

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

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

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4600 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:			

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

NA NO YES

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The Samples #BP-VPB-190-DUP-20241025, BP-VPB-190-GW-438-440 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1

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 <15% 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 > 15% 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 #: **P4600**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **11/07/2024**

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

LAB CHRONICLE

OrderID:	P4600	**OrderDate:**	10/29/2024 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K63,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4600-01	**BP-VPB-190-TB-20241025**	**Water**			**10/25/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/29/24	
P4600-02	**BP-VPB-190-DUP-20241025**	**Water**			**10/25/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/29/24	
P4600-03	**BP-VPB-190-GW-438-440**	**Water**			**10/25/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/29/24	
P4600-04	**BP-VPB-190-GW-458-460**	**Water**			**10/25/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/29/24	
P4600-05	**BP-VPB-190-GW-478-480**	**Water**			**10/25/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/30/24	
P4600-06	**BP-VPB-190-GW-498-500**	**Water**			**10/28/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/29/24	
P4600-07	**BP-VPB-190-GW-518-520**	**Water**			**10/28/24**			**10/28/24**
			VOCMS Group1	8260-Low			10/29/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4600

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-190-TB-20241025**								
P4600-01	BP-VPB-190-TB-2(	Water	Acetone	2.00	J	1.40	3.80	5.00	ug/L
P4600-01	BP-VPB-190-TB-2(	Water	Methylene Chloride	0.73	J	0.32	0.50	1.00	ug/L
			Total Voc :	2.73					
			Total Concentration:	2.73					
Client ID:	**BP-VPB-190-DUP-20241025**								
P4600-02	BP-VPB-190-DUP-	Water	Acetone	4.00	J	1.40	3.80	5.00	ug/L
			Total Voc :	4.00					
			Total Concentration:	4.00					
Client ID:	**BP-VPB-190-GW-438-440**								
P4600-03	BP-VPB-190-GW-4	Water	Acetone	3.30	J	1.40	3.80	5.00	ug/L
			Total Voc :	3.30					
			Total Concentration:	3.30					
Client ID:	**BP-VPB-190-GW-458-460**								
P4600-04	BP-VPB-190-GW-4	Water	Chloromethane	0.41	J	0.35	0.50	1.00	ug/L
P4600-04	BP-VPB-190-GW-4	Water	Acetone	5.10		1.40	3.80	5.00	ug/L
			Total Voc :	5.51					
			Total Concentration:	5.51					
Client ID:	**BP-VPB-190-GW-478-480**								
P4600-05	BP-VPB-190-GW-4	Water	Acetone	3.40	J	1.40	3.80	5.00	ug/L
			Total Voc :	3.40					
			Total Concentration:	3.40					
Client ID:	**BP-VPB-190-GW-498-500**								
P4600-06	BP-VPB-190-GW-4	Water	Acetone	10.6		1.40	3.80	5.00	ug/L
			Total Voc :	10.6					
			Total Concentration:	10.6					
Client ID:	**BP-VPB-190-GW-518-520**								
P4600-07	BP-VPB-190-GW-5	Water	Acetone	3.60	J	1.40	3.80	5.00	ug/L
			Total Voc :	3.60					
			Total Concentration:	3.60					



QC SUMMARY

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

Surrogate Summary

SDG No.: P4600

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4600-01	BP-VPB-190-TB-20241025	1,2-Dichloroethane-d4	50	43.6	87	81	118
		Dibromofluoromethane	50	45.3	91	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	46.5	93	85	114
P4600-02	BP-VPB-190-DUP-20241025	1,2-Dichloroethane-d4	50	44.0	88	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	45.4	91	85	114
P4600-03	BP-VPB-190-GW-438-440	1,2-Dichloroethane-d4	50	43.3	87	81	118
		Dibromofluoromethane	50	45.2	90	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
P4600-04	BP-VPB-190-GW-458-460	1,2-Dichloroethane-d4	50	47.1	94	81	118
		Dibromofluoromethane	50	46.9	94	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	51.1	102	85	114
P4600-05	BP-VPB-190-GW-478-480	1,2-Dichloroethane-d4	50	42.0	84	81	118
		Dibromofluoromethane	50	46.0	92	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4600-06	BP-VPB-190-GW-498-500	1,2-Dichloroethane-d4	50	43.8	88	81	118
		Dibromofluoromethane	50	45.9	92	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
P4600-07	BP-VPB-190-GW-518-520	1,2-Dichloroethane-d4	50	42.8	85	81	118
		Dibromofluoromethane	50	45.2	90	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
VX1029WBL01	VX1029WBL01	1,2-Dichloroethane-d4	50	43.4	87	81	118
		Dibromofluoromethane	50	45.5	91	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VX1029WBS01	VX1029WBS01	1,2-Dichloroethane-d4	50	42.1	84	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	48.3	97	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
VX1029WBSD0	VX1029WBSD01	1,2-Dichloroethane-d4	50	42.9	86	81	118
		Dibromofluoromethane	50	47.2	94	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
VX1030WBL01	VX1030WBL01	1,2-Dichloroethane-d4	50	44.0	88	81	118
		Dibromofluoromethane	50	45.0	90	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
VX1030WBS01	VX1030WBS01	1,2-Dichloroethane-d4	50	46.0	92	81	118
		Dibromofluoromethane	50	48.0	96	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	52.0	104	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.: P4600

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX043586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1029WBS01	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	18.2	ug/L	91			58	137	
	Bromomethane	20	17.4	ug/L	87			53	141	
	Chloroethane	20	19.0	ug/L	95			60	138	
	Trichlorofluoromethane	20	20.7	ug/L	104			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/L	107			70	136	
	1,1-Dichloroethene	20	19.4	ug/L	97			71	131	
	Acetone	100	92.3	ug/L	92			39	160	
	Carbon disulfide	20	18.2	ug/L	91			64	133	
	Methyl tert-butyl Ether	20	17.4	ug/L	87			71	124	
	Methylene Chloride	20	17.1	ug/L	86			74	124	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			75	124	
	1,1-Dichloroethane	20	17.9	ug/L	90			77	125	
	2-Butanone	100	86.1	ug/L	86			56	143	
	Carbon Tetrachloride	20	20.1	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			78	123	
	Chloroform	20	18.1	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			74	131	
	Methylcyclohexane	20	21.3	ug/L	106			72	132	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	18.3	ug/L	92			73	128	
	Trichloroethene	20	19.6	ug/L	98			79	123	
	1,2-Dichloropropane	20	18.2	ug/L	91			78	122	
	Bromodichloromethane	20	18.3	ug/L	92			79	125	
	4-Methyl-2-Pentanone	100	90.2	ug/L	90			67	130	
	Toluene	20	19.9	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			73	127	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			80	119	
	2-Hexanone	100	91.2	ug/L	91			57	139	
	Dibromochloromethane	20	18.7	ug/L	94			74	126	
	Tetrachloroethene	20	21.2	ug/L	106			74	129	
	Chlorobenzene	20	19.4	ug/L	97			82	118	
	Ethyl Benzene	20	20.2	ug/L	101			79	121	
	m/p-Xylenes	40	40.6	ug/L	102			80	121	
	o-Xylene	20	20.1	ug/L	101			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	20.5	ug/L	103			72	131	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			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.: P4600

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX043587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1029WBSD01	Chloromethane	20	16.6	ug/L	83	4		50	139	20
	Vinyl chloride	20	18.1	ug/L	91	0		58	137	20
	Bromomethane	20	18.6	ug/L	93	7		53	141	20
	Chloroethane	20	18.9	ug/L	95	0		60	138	20
	Trichlorofluoromethane	20	20.6	ug/L	103	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99	8		70	136	20
	1,1-Dichloroethene	20	19.1	ug/L	96	1		71	131	20
	Acetone	100	95.8	ug/L	96	4		39	160	20
	Carbon disulfide	20	18.1	ug/L	91	0		64	133	20
	Methyl tert-butyl Ether	20	17.9	ug/L	90	3		71	124	20
	Methylene Chloride	20	17.0	ug/L	85	1		74	124	20
	trans-1,2-Dichloroethene	20	18.7	ug/L	94	3		75	124	20
	1,1-Dichloroethane	20	18.4	ug/L	92	2		77	125	20
	2-Butanone	100	91.3	ug/L	91	6		56	143	20
	Carbon Tetrachloride	20	20.0	ug/L	100	1		72	136	20
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		78	123	20
	Chloroform	20	18.3	ug/L	92	1		79	124	20
	1,1,1-Trichloroethane	20	19.1	ug/L	96	1		74	131	20
	Methylcyclohexane	20	21.0	ug/L	105	1		72	132	20
	Benzene	20	19.5	ug/L	98	3		79	120	20
	1,2-Dichloroethane	20	19.2	ug/L	96	4		73	128	20
	Trichloroethene	20	19.5	ug/L	98	0		79	123	20
	1,2-Dichloropropane	20	19.1	ug/L	96	5		78	122	20
	Bromodichloromethane	20	18.9	ug/L	95	3		79	125	20
	4-Methyl-2-Pentanone	100	98.8	ug/L	99	10		67	130	20
	Toluene	20	20.2	ug/L	101	1		80	121	20
	t-1,3-Dichloropropene	20	19.1	ug/L	96	8		73	127	20
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	3		75	124	20
	1,1,2-Trichloroethane	20	20.3	ug/L	102	8		80	119	20
	2-Hexanone	100	100	ug/L	100	9		57	139	20
	Dibromochloromethane	20	19.6	ug/L	98	4		74	126	20
	Tetrachloroethene	20	21.1	ug/L	106	0		74	129	20
	Chlorobenzene	20	19.8	ug/L	99	2		82	118	20
	Ethyl Benzene	20	20.2	ug/L	101	0		79	121	20
	m/p-Xylenes	40	41.9	ug/L	105	3		80	121	20
	o-Xylene	20	20.8	ug/L	104	3		78	122	20
	Styrene	20	20.5	ug/L	103	2		78	123	20
	Bromoform	20	18.8	ug/L	94	5		66	130	20
	Isopropylbenzene	20	20.5	ug/L	103	0		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98	5		71	121	20
	1,3-Dichlorobenzene	20	20.0	ug/L	100	1		80	119	20
	1,4-Dichlorobenzene	20	19.1	ug/L	96	1		79	118	20
	1,2-Dichlorobenzene	20	20.1	ug/L	101	4		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.: P4600

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX043613.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1030WBS01	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	18.0	ug/L	90			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	18.0	ug/L	90			60	138	
	Trichlorofluoromethane	20	18.0	ug/L	90			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	99.0	ug/L	99			39	160	
	Carbon disulfide	20	15.0	ug/L	75			64	133	
	Methyl tert-butyl Ether	20	19.0	ug/L	95			71	124	
	Methylene Chloride	20	18.0	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.0	ug/L	90			77	125	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.0	ug/L	90			72	136	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			78	123	
	Chloroform	20	19.0	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	18.0	ug/L	90			74	131	
	Methylcyclohexane	20	19.0	ug/L	95			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	19.0	ug/L	95			73	128	
	Trichloroethene	20	18.0	ug/L	90			79	123	
	1,2-Dichloropropane	20	19.0	ug/L	95			78	122	
	Bromodichloromethane	20	19.0	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			73	127	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			75	124	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.0	ug/L	95			74	126	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	39.0	ug/L	98			80	121	
	o-Xylene	20	20.0	ug/L	100			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	18.0	ug/L	90			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			80	119	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1029WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043585.D Lab Sample ID: VX1029WBL01

Date Analyzed: 10/29/2024 Time Analyzed: 10:31

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
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024
BP-VPB-190-TB-20241025	P4600-01	VX043599.D	10/29/2024
BP-VPB-190-DUP-20241025	P4600-02	VX043600.D	10/29/2024
BP-VPB-190-GW-438-440	P4600-03	VX043601.D	10/29/2024
BP-VPB-190-GW-458-460	P4600-04	VX043602.D	10/29/2024
BP-VPB-190-GW-498-500	P4600-06	VX043604.D	10/29/2024
BP-VPB-190-GW-518-520	P4600-07	VX043605.D	10/29/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1030WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043612.D Lab Sample ID: VX1030WBL01

Date Analyzed: 10/30/2024 Time Analyzed: 10:22

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

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1030WBS01	VX1030WBS01	VX043613.D	10/30/2024
BP-VPB-190-GW-478-480	P4600-05	VX043616.D	10/30/2024

COMMENTS:

Raw Data: **VX043555.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043555.D BFB Injection Date: 10/28/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.1 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX043556.D	10/28/2024	10:59
VSTDICC005	VSTDICC005	VX043557.D	10/28/2024	11:22
VSTDICC020	VSTDICC020	VX043558.D	10/28/2024	11:45
VSTDICCC050	VSTDICCC050	VX043559.D	10/28/2024	12:08
VSTDICC100	VSTDICC100	VX043560.D	10/28/2024	12:31
VSTDICC150	VSTDICC150	VX043561.D	10/28/2024	12:54

Raw Data: **VX043582.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043582.D BFB Injection Date: 10/29/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:30

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	16.5
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.5 (96.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043583.D	10/29/2024	09:29
VX1029WBL01	VX1029WBL01	VX043585.D	10/29/2024	10:31
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024	10:57
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024	11:20
BP-VPB-190-TB-20241025	P4600-01	VX043599.D	10/29/2024	16:01
BP-VPB-190-DUP-20241025	P4600-02	VX043600.D	10/29/2024	16:24
BP-VPB-190-GW-438-440	P4600-03	VX043601.D	10/29/2024	16:48
BP-VPB-190-GW-458-460	P4600-04	VX043602.D	10/29/2024	17:11
BP-VPB-190-GW-498-500	P4600-06	VX043604.D	10/29/2024	17:57
BP-VPB-190-GW-518-520	P4600-07	VX043605.D	10/29/2024	18:20
VSTDCCC050EC	VSTDCCC050	VX043608.D	10/29/2024	19:29

Raw Data: **VX043609.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043609.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	70.9 (98.5) 1
177	5.0 - 9.0% of mass 176	4.2 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043610.D	10/30/2024	09:26
VX1030WBL01	VX1030WBL01	VX043612.D	10/30/2024	10:22
VX1030WBS01	VX1030WBS01	VX043613.D	10/30/2024	10:56
BP-VPB-190-GW-478-480	P4600-05	VX043616.D	10/30/2024	12:06
VSTDCCC050EC	VSTDCCC050	VX043635.D	10/30/2024	19:25

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043583.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_X Time Analyzed: 09:29

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	185040	5.54	317661	6.76	277122	10.06
UPPER LIMIT	370080	6.044	635322	7.257	554244	10.555
LOWER LIMIT	92520	5.044	158831	6.257	138561	9.555
EPA SAMPLE NO.						
BP-VPB-190-TB-20241025	143669	5.55	269321	6.76	235549	10.06
BP-VPB-190-DUP-20241025	157457	5.54	292690	6.76	249474	10.06
BP-VPB-190-GW-438-440	143380	5.55	264264	6.76	234277	10.06
BP-VPB-190-GW-458-460	106562	5.55	197540	6.76	185294	10.06
BP-VPB-190-GW-498-500	128235	5.55	237971	6.76	216332	10.06
BP-VPB-190-GW-518-520	133601	5.54	245193	6.76	219937	10.06
VX1029WBL01	160199	5.55	295395	6.76	265502	10.06
VX1029WBS01	202431	5.54	352202	6.76	294857	10.06
VX1029WBSD01	180366	5.55	312050	6.76	270005	10.06

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043583.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_X Time Analyzed: 09:29

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

	IS4 AREA #	RT #				
12 HOUR STD	136145	12.018				
UPPER LIMIT	272290	12.518				
LOWER LIMIT	68072.5	11.518				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241025	104072	12.02				
BP-VPB-190-DUP-20241025	109255	12.02				
BP-VPB-190-GW-438-440	105995	12.02				
BP-VPB-190-GW-458-460	83818	12.02				
BP-VPB-190-GW-498-500	99219	12.02				
BP-VPB-190-GW-518-520	98034	12.02				
VX1029WBL01	128354	12.02				
VX1029WBS01	142936	12.02				
VX1029WBSD01	131226	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043610.D Date Analyzed: 10/30/2024

Instrument ID: MSVOA_X Time Analyzed: 09:26

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	150073	5.54	269353	6.76	239151	10.06
UPPER LIMIT	300146	6.044	538706	7.257	478302	10.555
LOWER LIMIT	75036.5	5.044	134677	6.257	119576	9.555
EPA SAMPLE NO.						
BP-VPB-190-GW-478-480	143159	5.55	259096	6.76	228779	10.06
VX1030WBL01	124305	5.54	229429	6.76	204357	10.06
VX1030WBS01	148306	5.54	264784	6.76	239021	10.06

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG NO.: P4600

Lab File ID: VX043610.D Date Analyzed: 10/30/2024

Instrument ID: MSVOA_X Time Analyzed: 09:26

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

	IS4 AREA #	RT #				
12 HOUR STD	115673	12.018				
UPPER LIMIT	231346	12.518				
LOWER LIMIT	57836.5	11.518				
EPA SAMPLE NO.						
BP-VPB-190-GW-478-480	100346	12.02				
VX1030WBL01	87309	12.02				
VX1030WBS01	117960	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

Raw Data: **VX043599.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-TB-20241025	SDG No.:	P4600
Lab Sample ID:	P4600-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043599.D	1		10/29/24 16:01	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.73	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043599.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-TB-20241025	SDG No.:	P4600
Lab Sample ID:	P4600-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043599.D	1		10/29/24 16:01	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.6		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144000	5.55				
540-36-3	1,4-Difluorobenzene	269000	6.757				
3114-55-4	Chlorobenzene-d5	236000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	104000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043599.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-TB-20241025	SDG No.:	P4600
Lab Sample ID:	P4600-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043599.D	1		10/29/24 16:01	VX102924

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\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Time: Oct 30 01:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

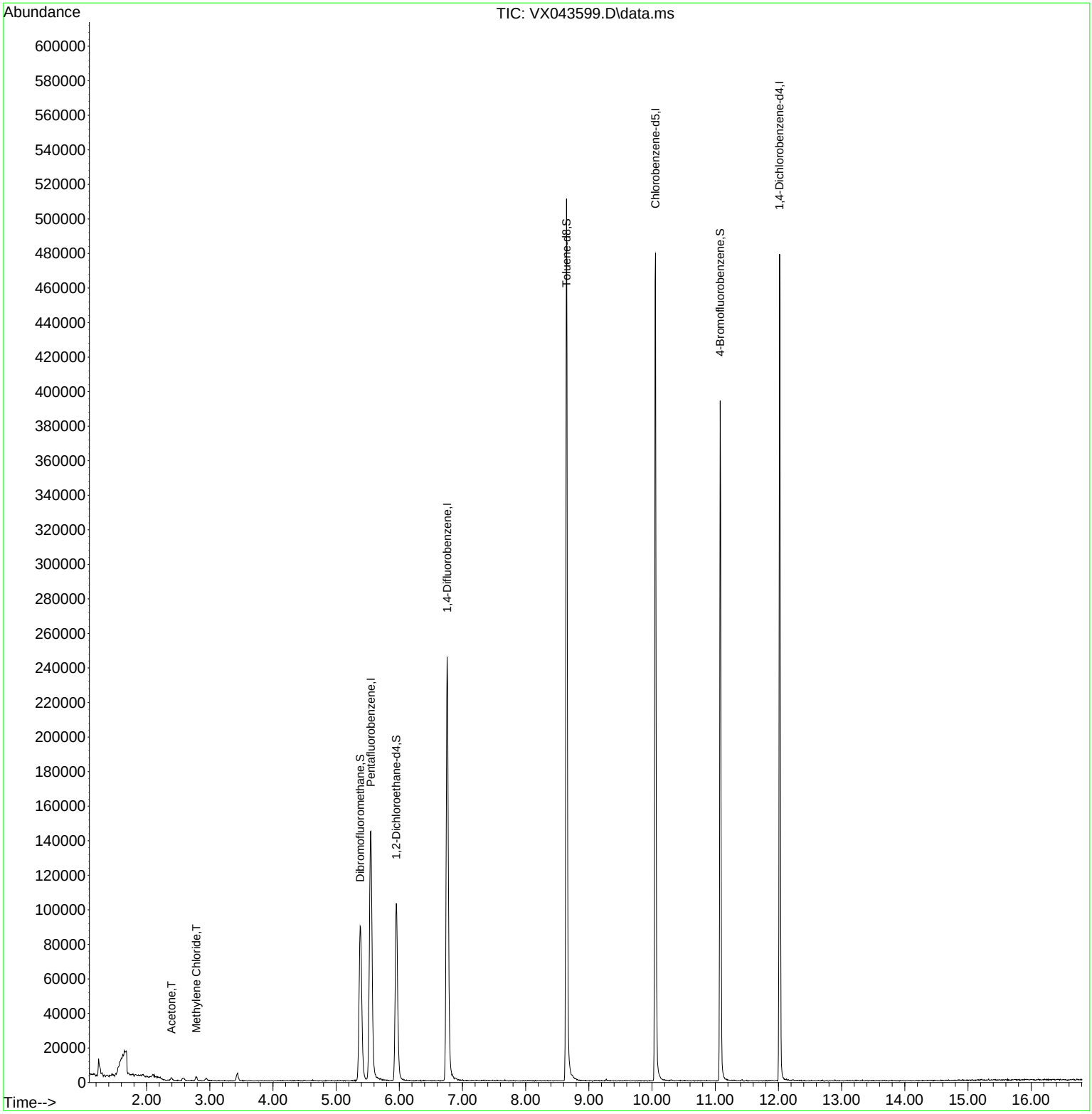
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269321	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99990	43.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.300%			
35) Dibromofluoromethane	5.379	113	82733	45.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.600%			
50) Toluene-d8	8.647	98	316435	50.054	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.100%			
62) 4-Bromofluorobenzene	11.079	95	108968	46.517	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.040%			
Target Compounds						Qvalue
16) Acetone	2.392	43	1848	2.031	ug/l	97
20) Methylene Chloride	2.788	84	1425	0.727	ug/l	91

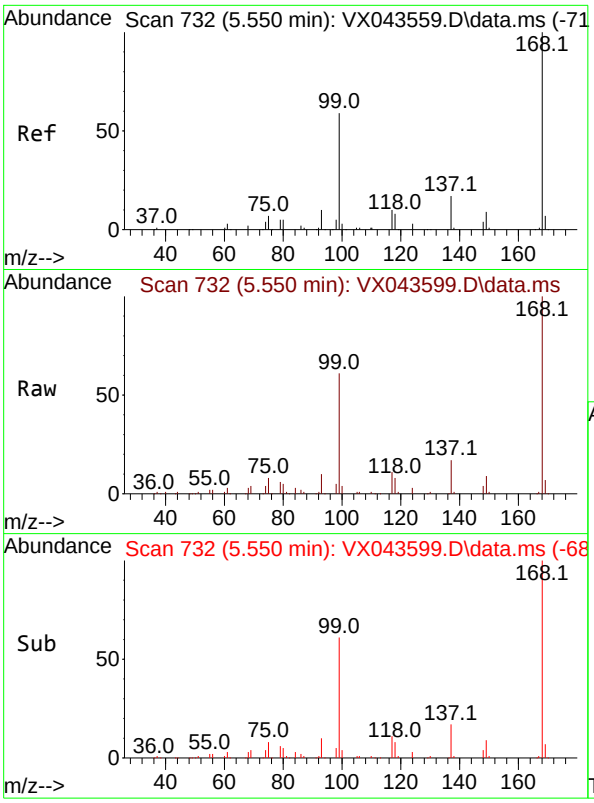
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Time: Oct 30 01:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



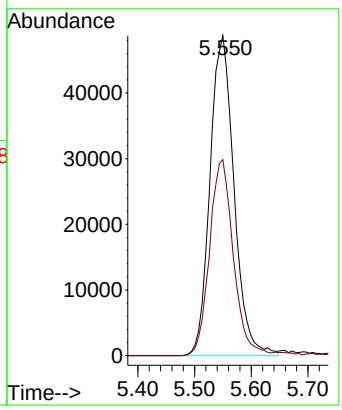


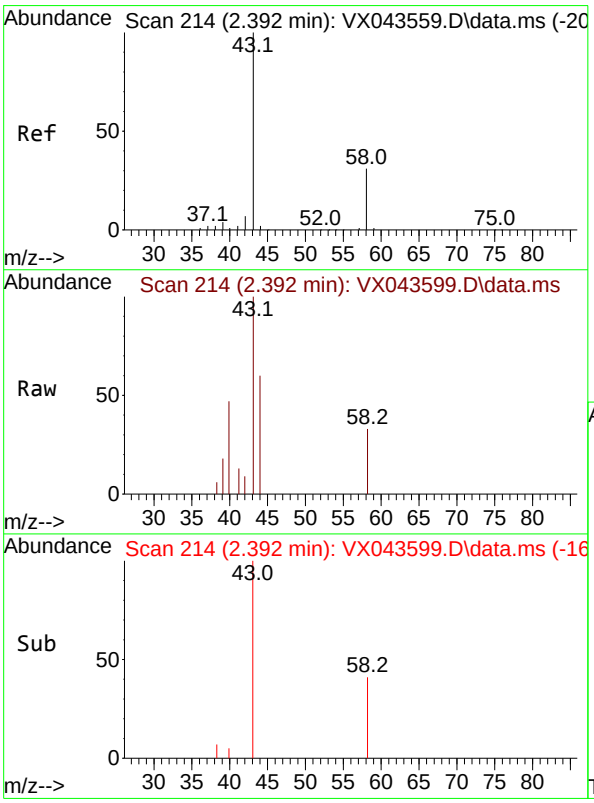
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Tgt Ion:168 Resp: 143669

Ion	Ratio	Lower	Upper
168	100		
99	61.3	52.6	78.8

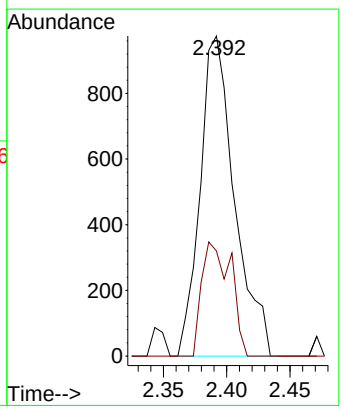


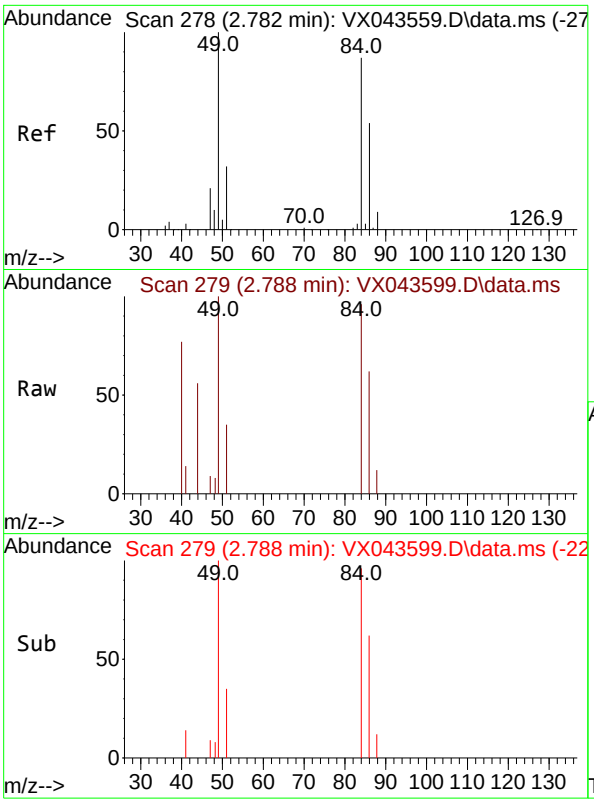


#16
Acetone
Concen: 2.031 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion: 43 Resp: 1848

Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.1	37.7



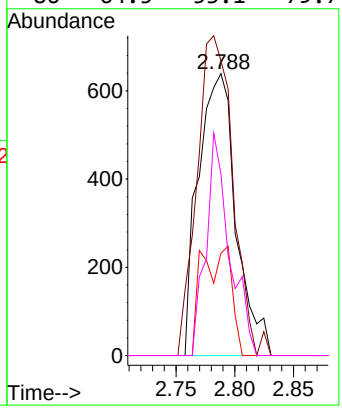


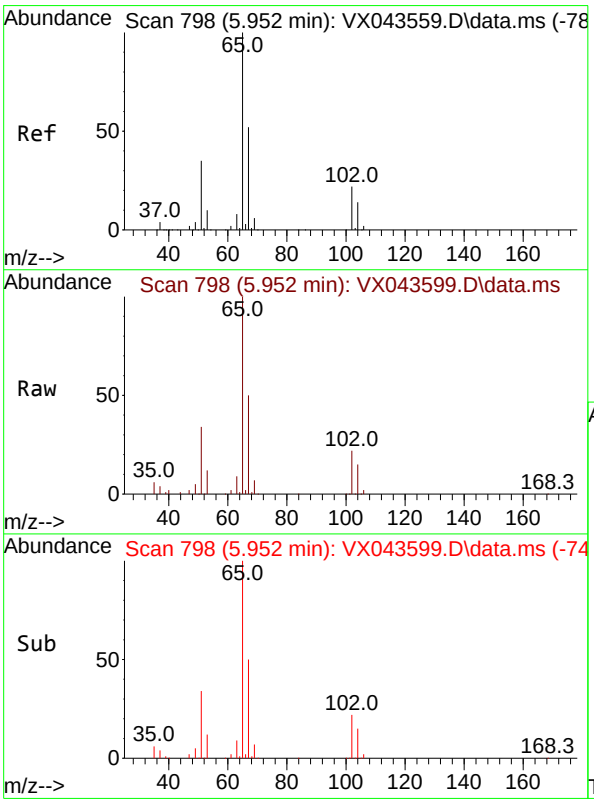
#20
Methylene Chloride
Concen: 0.727 ug/l
RT: 2.788 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Tgt Ion: 84 Resp: 1425

Ion	Ratio	Lower	Upper
84	100		
49	104.5	97.0	145.6
51	36.3	29.8	44.8
86	64.5	53.1	79.7

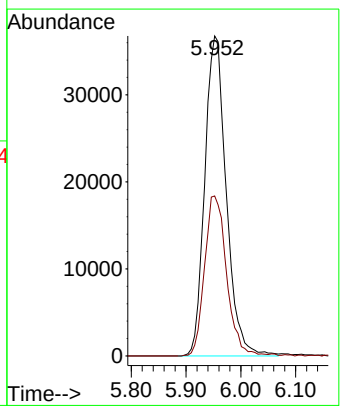


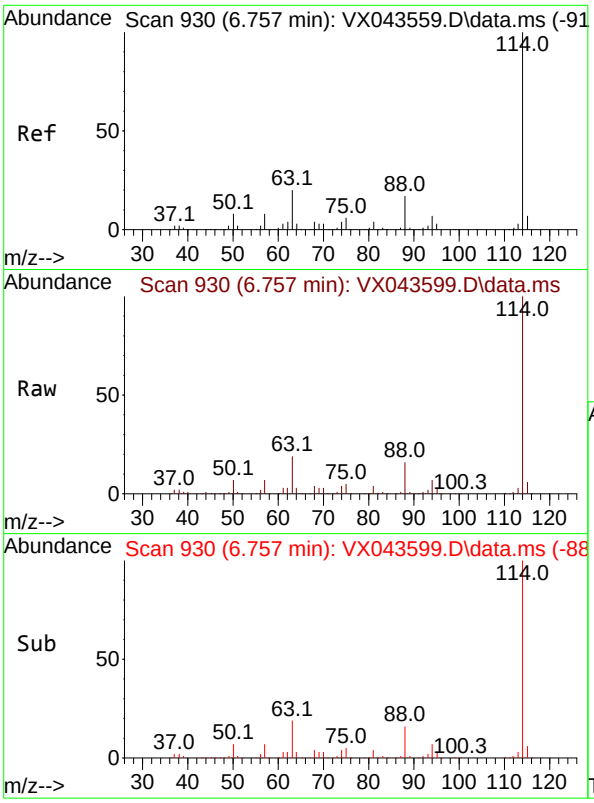


#33
1,2-Dichloroethane-d4
Concen: 43.648 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion: 65 Resp: 99990

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



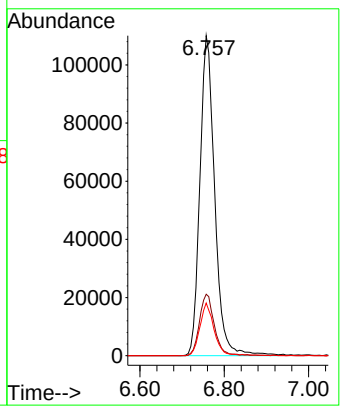


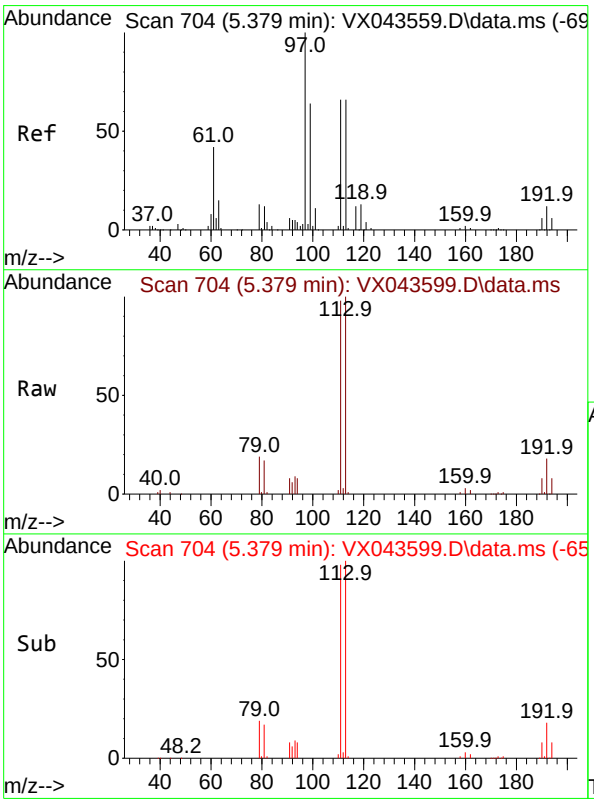
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Tgt Ion:114 Resp: 269321

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	16.5	0.0	34.0

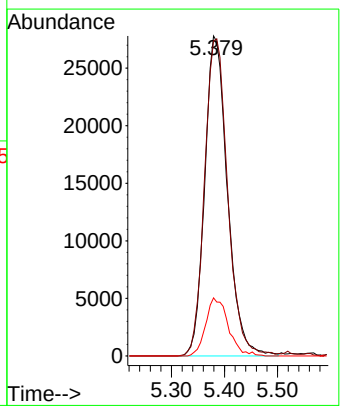


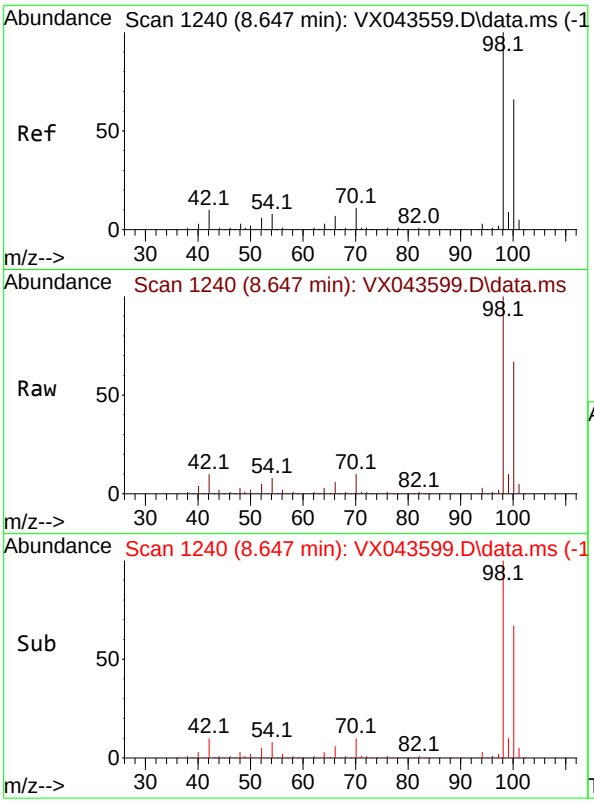


#35
Dibromofluoromethane
Concen: 45.302 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion:113 Resp: 82733

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.4	122.0
192	18.0	14.1	21.1



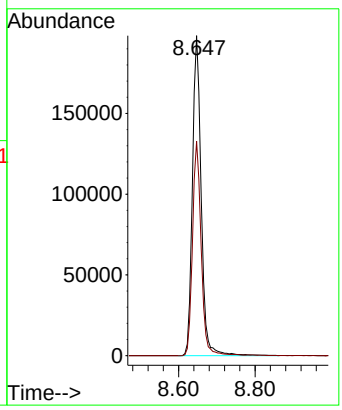


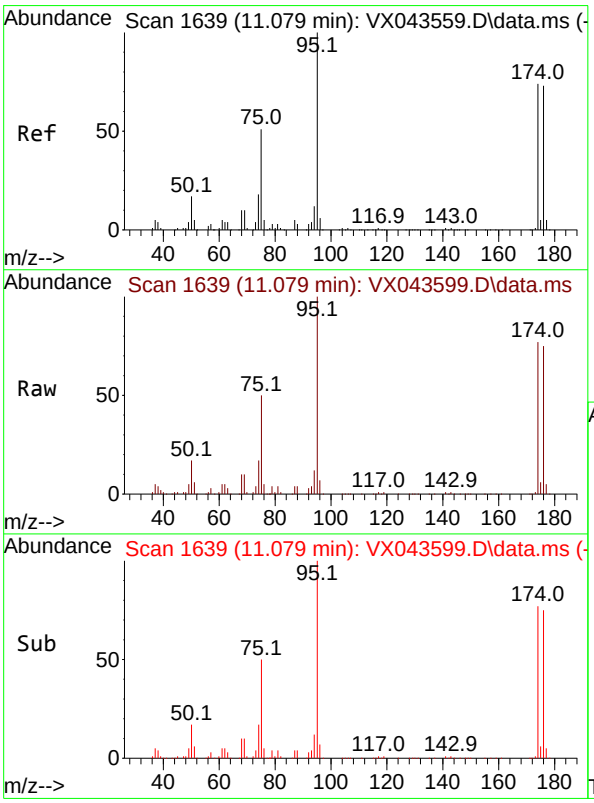
#50
Toluene-d8
Concen: 50.054 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Tgt Ion: 98 Resp: 316435

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.2

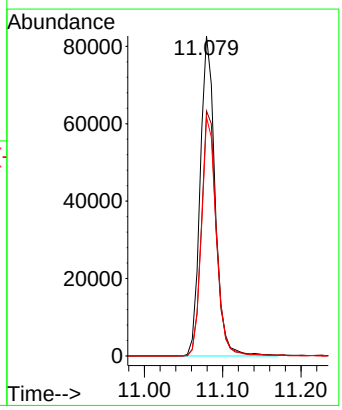


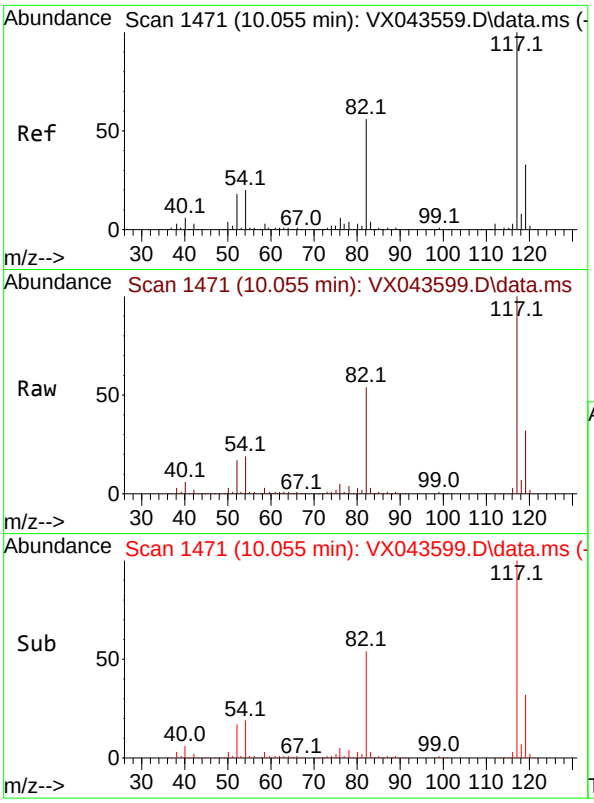


#62
4-Bromofluorobenzene
Concen: 46.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion: 95 Resp: 108968

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	146.6
176	74.7	0.0	139.6



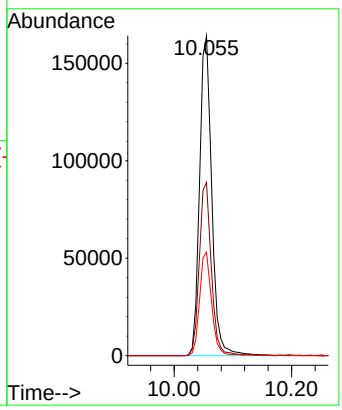


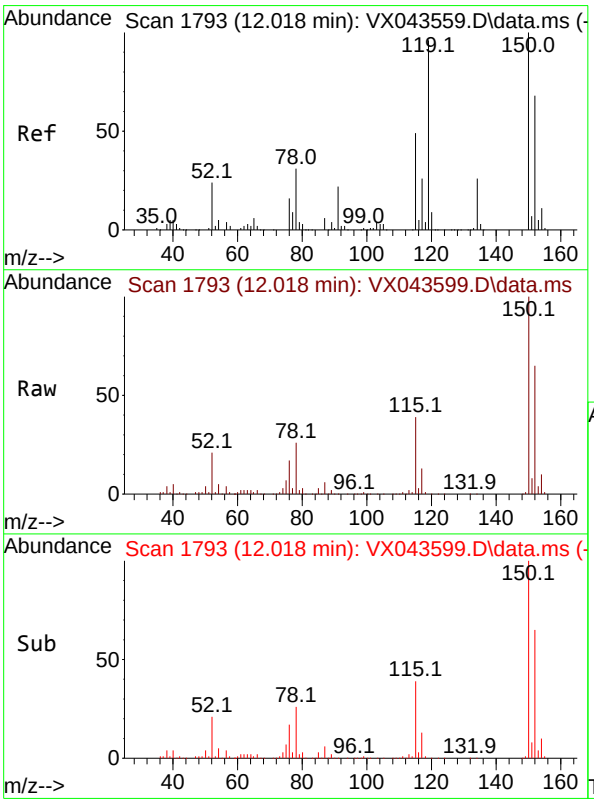
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Tgt Ion:117 Resp: 235549

Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.1	63.1
119	32.3	25.4	38.2

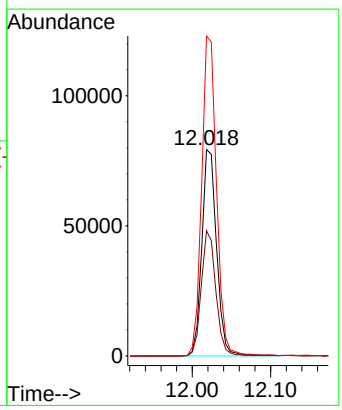




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043599.D
Acq: 29 Oct 2024 16:01

Tgt Ion:152 Resp: 104072

Ion	Ratio	Lower	Upper
152	100		
115	59.9	42.9	128.7
150	155.7	0.0	343.6



Sample Results: **VX043599.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043599.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV	9993	16886	2.06%	0.395%
2	1.624	71	88	89	rBV5	11440	44029	5.36%	1.030%
3	3.440	378	386	394	rVB2	4571	9782	1.19%	0.229%
4	5.379	693	704	720	rBV2	89650	269154	32.78%	6.295%
5	5.550	721	732	746	rVV	143551	420823	51.26%	9.842%
6	5.952	788	798	814	rBV2	102663	275212	33.52%	6.436%
7	6.757	919	930	942	rBV	245606	595116	72.49%	13.918%
8	8.647	1233	1240	1260	rBV	510768	820980	100.00%	19.200%
9	10.055	1465	1471	1490	rBV	479431	696889	84.89%	16.298%
10	11.079	1634	1639	1652	rBV	393667	510943	62.24%	11.949%
11	12.018	1788	1793	1805	rBV	478744	616177	75.05%	14.410%

Sum of corrected areas: 4275991

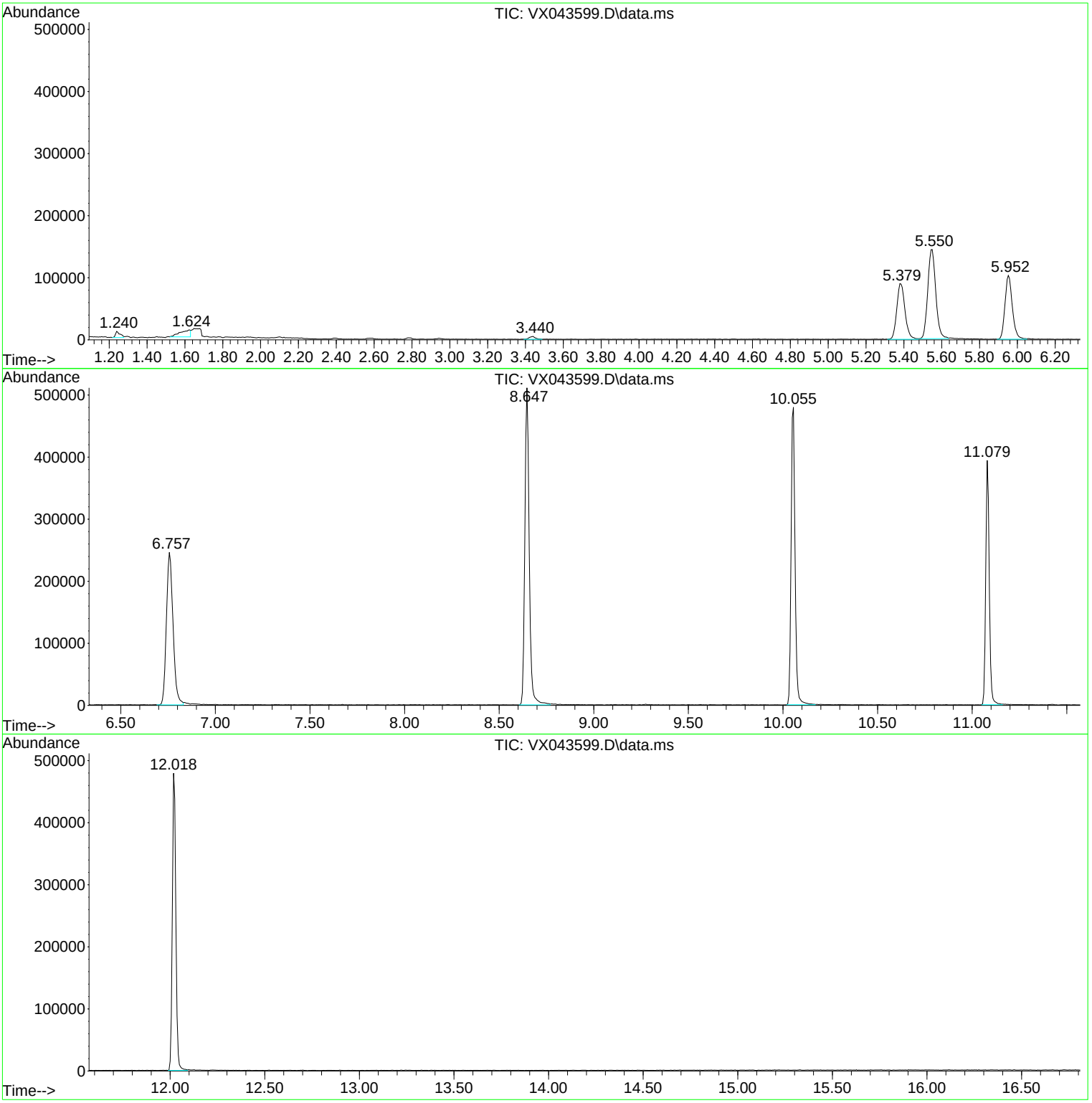
Sample Results: **VX043599.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043599.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX102924\
Data File : VX043599.D
Acq On : 29 Oct 2024 16:01
Operator : JC/MD
Sample : P4600-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-TB-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043600.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-DUP-20241025	SDG No.:	P4600
Lab Sample ID:	P4600-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043600.D	1		10/29/24 16:24	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043600.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-DUP-20241025	SDG No.:	P4600
Lab Sample ID:	P4600-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043600.D	1		10/29/24 16:24	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.0		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	5.543				
540-36-3	1,4-Difluorobenzene	293000	6.757				
3114-55-4	Chlorobenzene-d5	249000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	109000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043600.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-DUP-20241025	SDG No.:	P4600
Lab Sample ID:	P4600-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043600.D	1		10/29/24 16:24	VX102924

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

Sample Results: **VX043600.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Quant Time: Oct 30 01:34:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

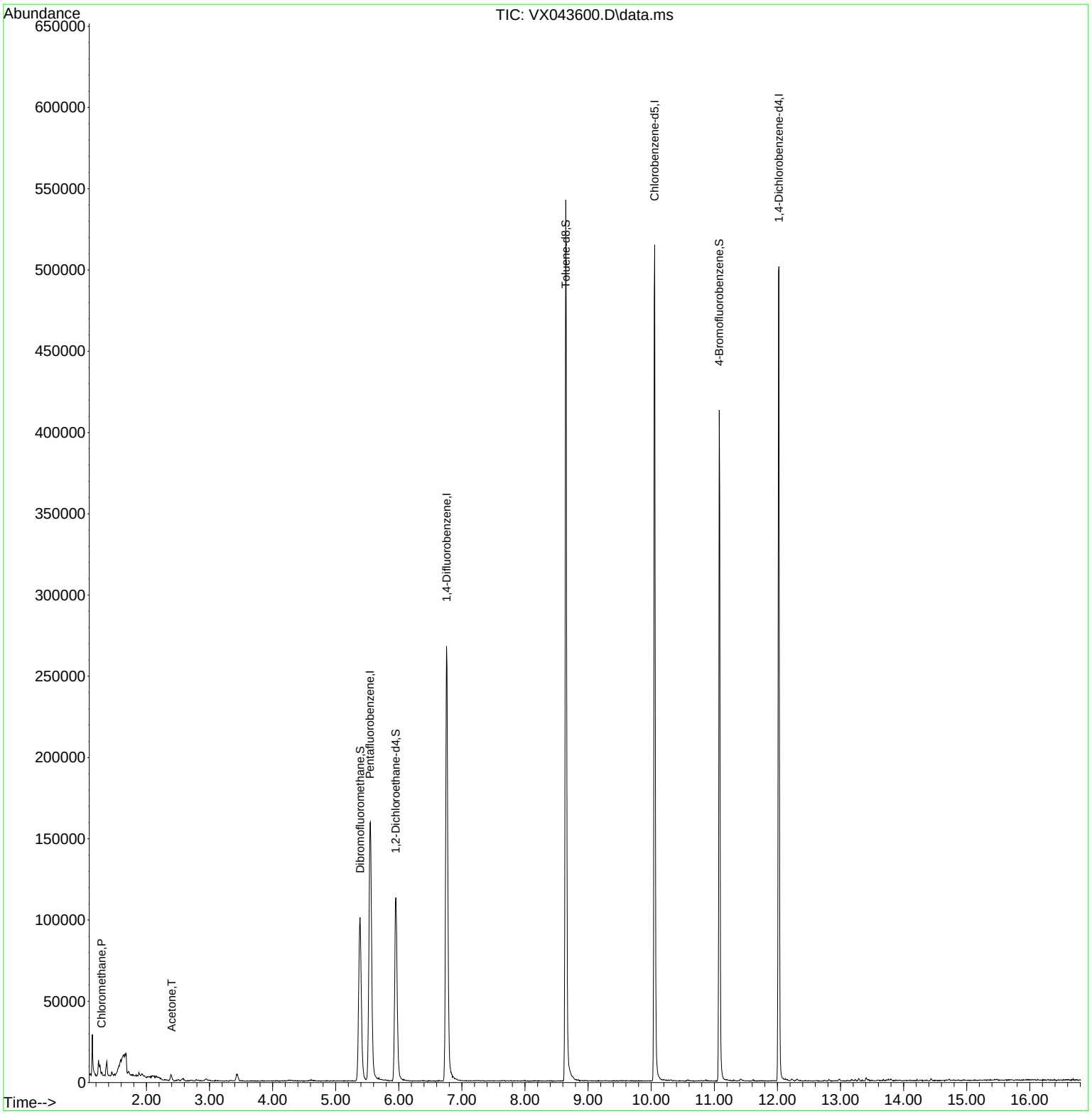
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	157457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	292690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110545	44.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.060%		
35) Dibromofluoromethane	5.385	113	90933	45.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.640%		
50) Toluene-d8	8.646	98	342648	49.873	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	115668	45.434	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.860%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	649	0.302	ug/l #	78
16) Acetone	2.398	43	4016	4.028	ug/l	92

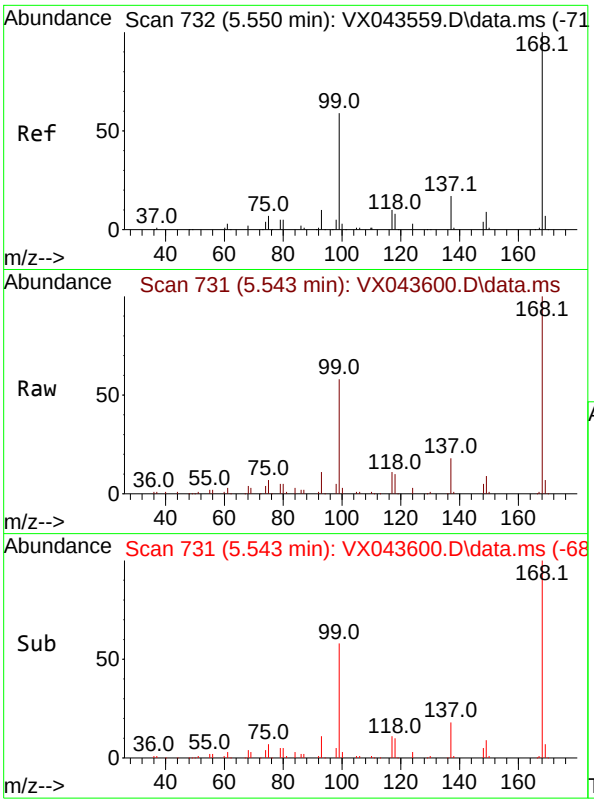
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Quant Time: Oct 30 01:34:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



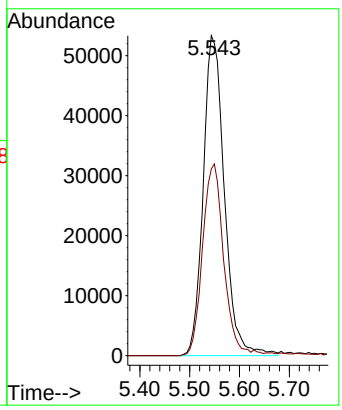


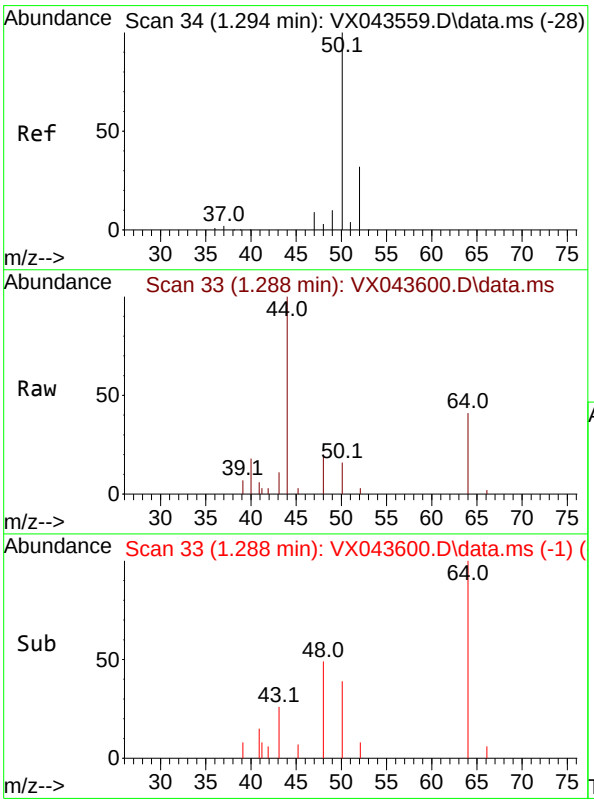
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Tgt Ion:168 Resp: 157457

Ion	Ratio	Lower	Upper
168	100		
99	58.3	52.6	78.8

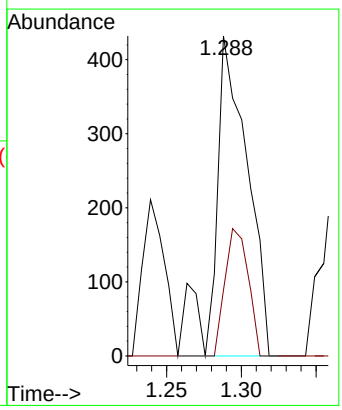


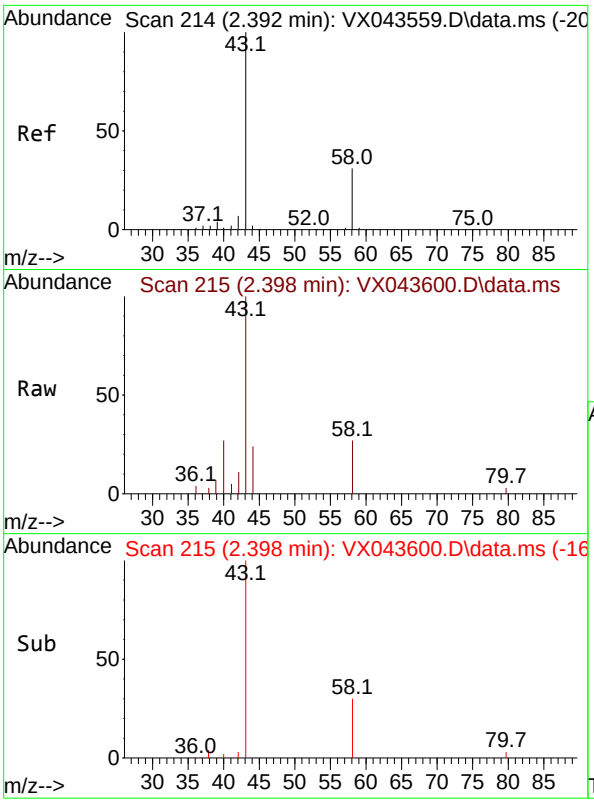


#3
Chloromethane
Concen: 0.302 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion: 50 Resp: 649

Ion	Ratio	Lower	Upper
50	100		
52	20.6	26.3	39.5#



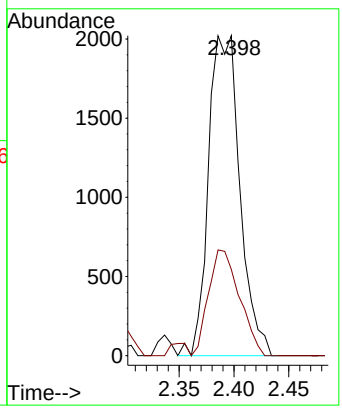


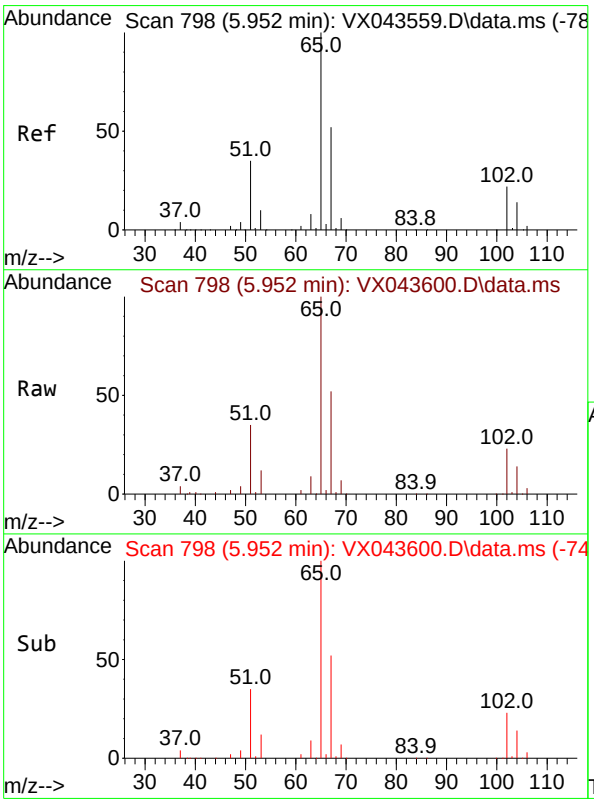
#16
Acetone
Concen: 4.028 ug/l
RT: 2.398 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Tgt Ion: 43 Resp: 4016

Ion	Ratio	Lower	Upper
43	100		
58	26.9	25.1	37.7

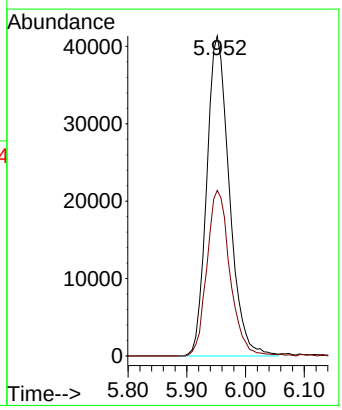


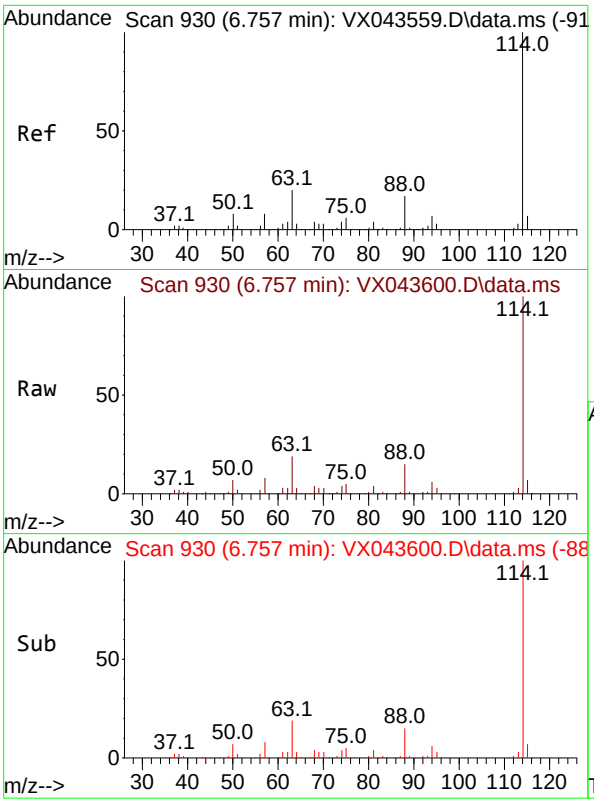


#33
1,2-Dichloroethane-d4
Concen: 44.030 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion: 65 Resp: 110545

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4



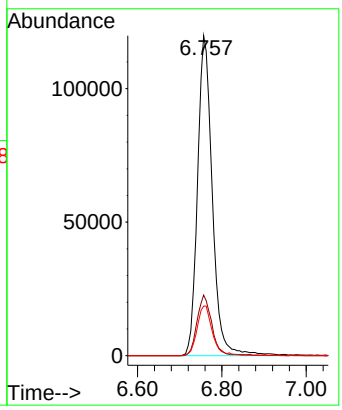


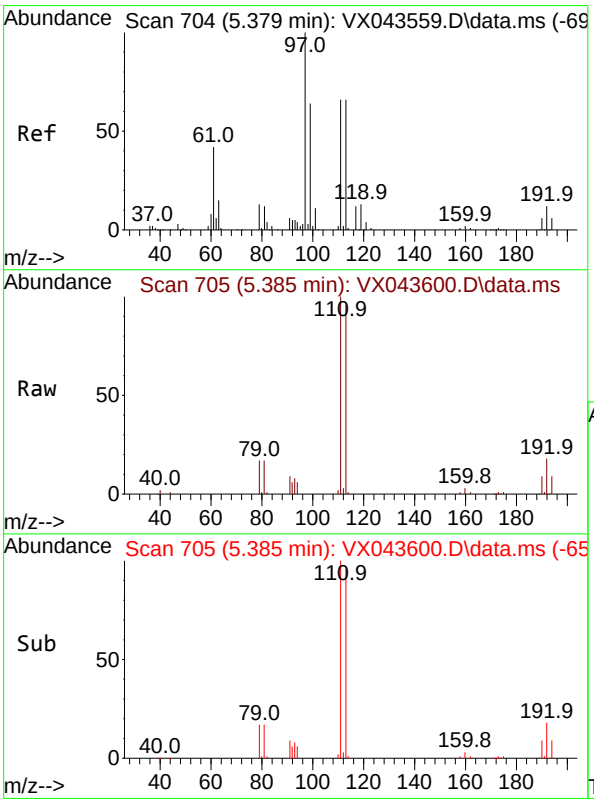
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Tgt Ion:114 Resp: 292690

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	41.2
88	15.5	0.0	34.0

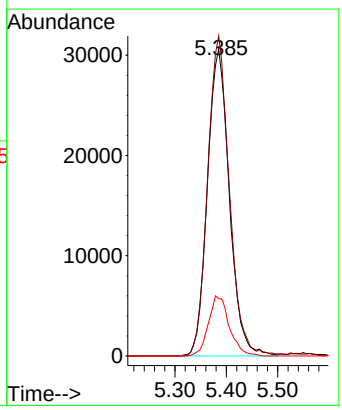


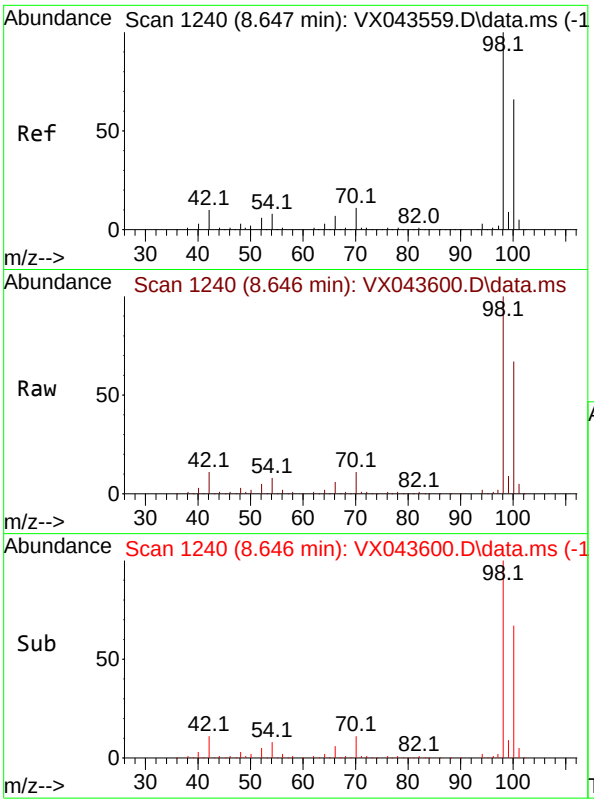


#35
Dibromofluoromethane
Concen: 45.817 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion:113 Resp: 90933

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	18.6	14.1	21.1



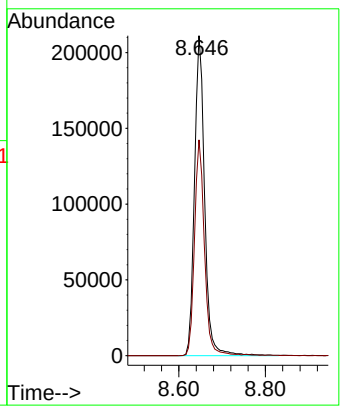


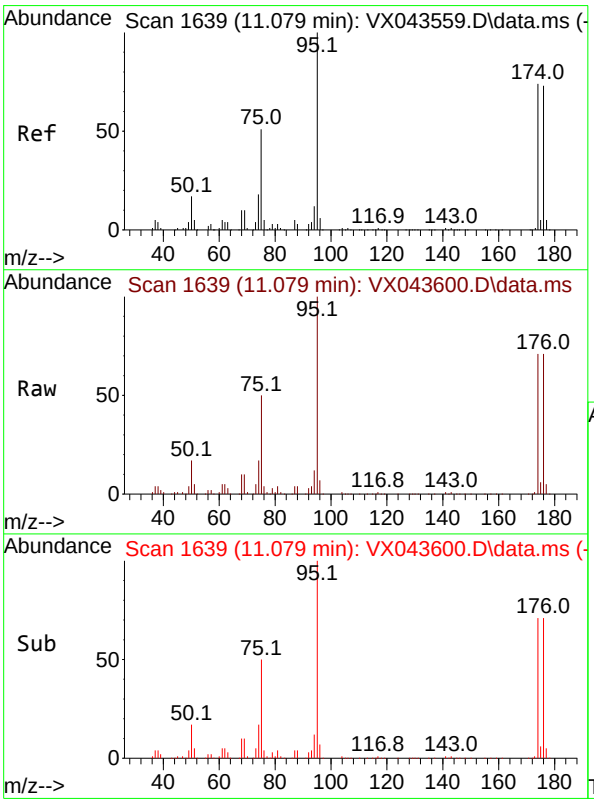
#50
Toluene-d8
Concen: 49.873 ug/l
RT: 8.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Tgt Ion: 98 Resp: 342648

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.2

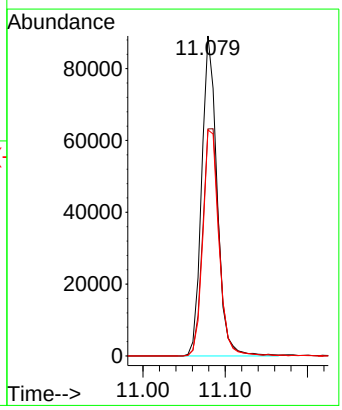


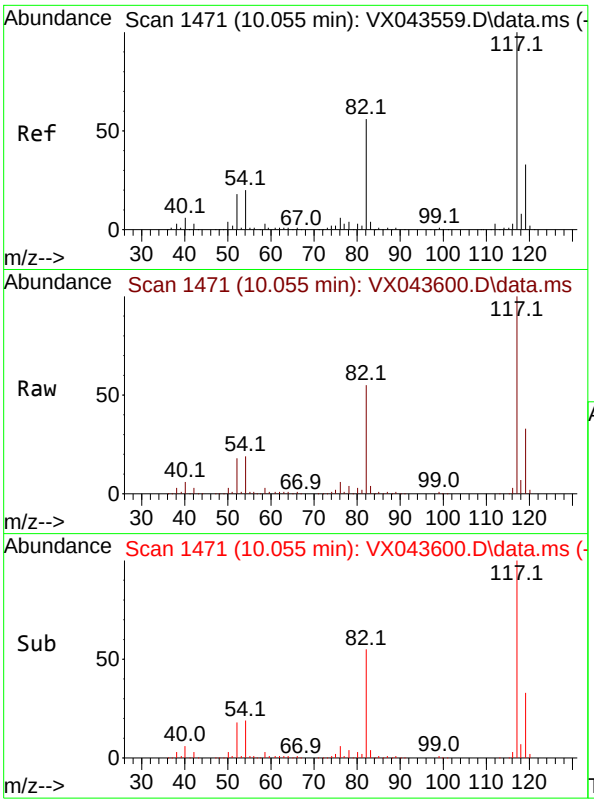


#62
4-Bromofluorobenzene
Concen: 45.434 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion: 95 Resp: 115668

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	146.6
176	73.5	0.0	139.6



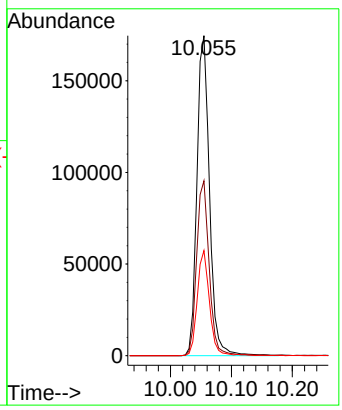


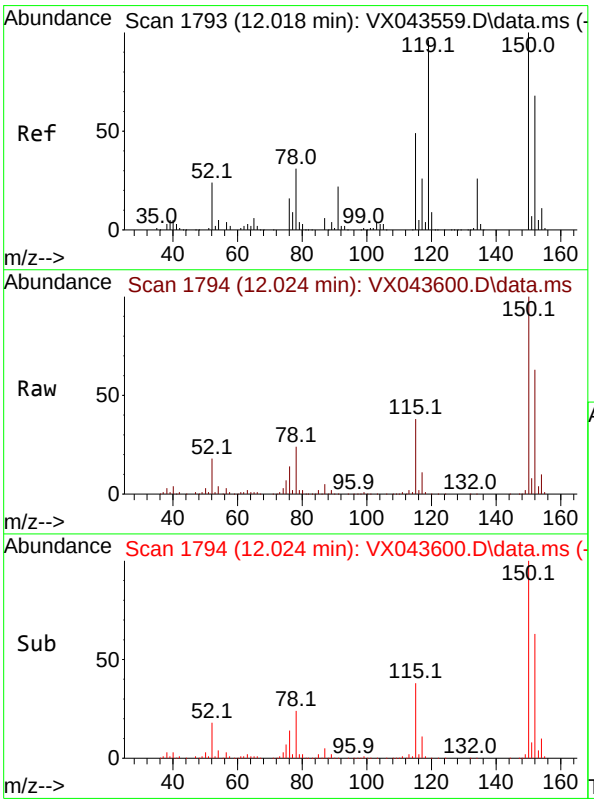
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Tgt Ion:117 Resp: 249474

Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.1	63.1
119	32.8	25.4	38.2

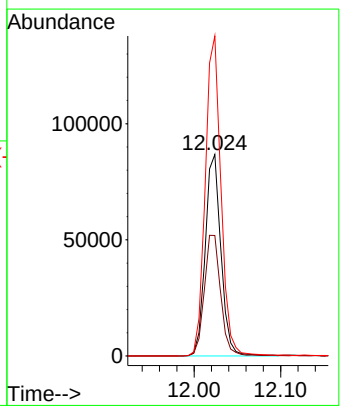




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043600.D
Acq: 29 Oct 2024 16:24

Tgt Ion:152 Resp: 109255

Ion	Ratio	Lower	Upper
152	100		
115	62.6	42.9	128.7
150	159.2	0.0	343.6



Sample Results: **VX043600.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043600.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rBV	25188	25361	2.87%	0.550%
2	1.239	22	25	28	rBV	9048	11443	1.30%	0.248%
3	1.373	42	47	51	rBV3	8977	12936	1.47%	0.280%
4	1.562	69	78	79	rBV5	6080	12439	1.41%	0.270%
5	3.428	378	384	393	rVB4	4094	9631	1.09%	0.209%
6	5.385	692	705	721	rBV	100694	297399	33.70%	6.445%
7	5.549	721	732	749	rBV	158657	465333	52.73%	10.084%
8	5.952	789	798	817	rBV	112839	308311	34.94%	6.681%
9	6.757	921	930	945	rBV	267581	650592	73.72%	14.099%
10	8.646	1234	1240	1257	rBV	541789	882518	100.00%	19.125%
11	10.055	1465	1471	1486	rBV	514101	735222	83.31%	15.933%
12	11.079	1633	1639	1653	rBV	412928	544033	61.65%	11.790%
13	12.024	1788	1794	1807	rBV	501106	659304	74.71%	14.288%

Sum of corrected areas: 4614522

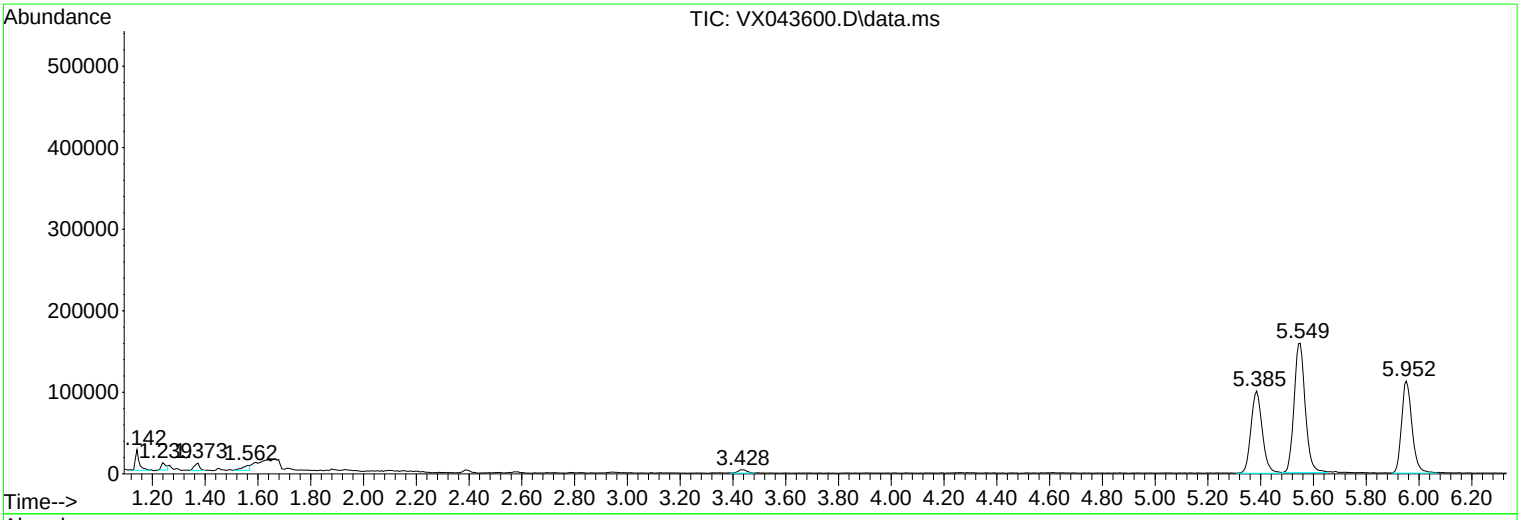
Sample Results: **VX043600.D**

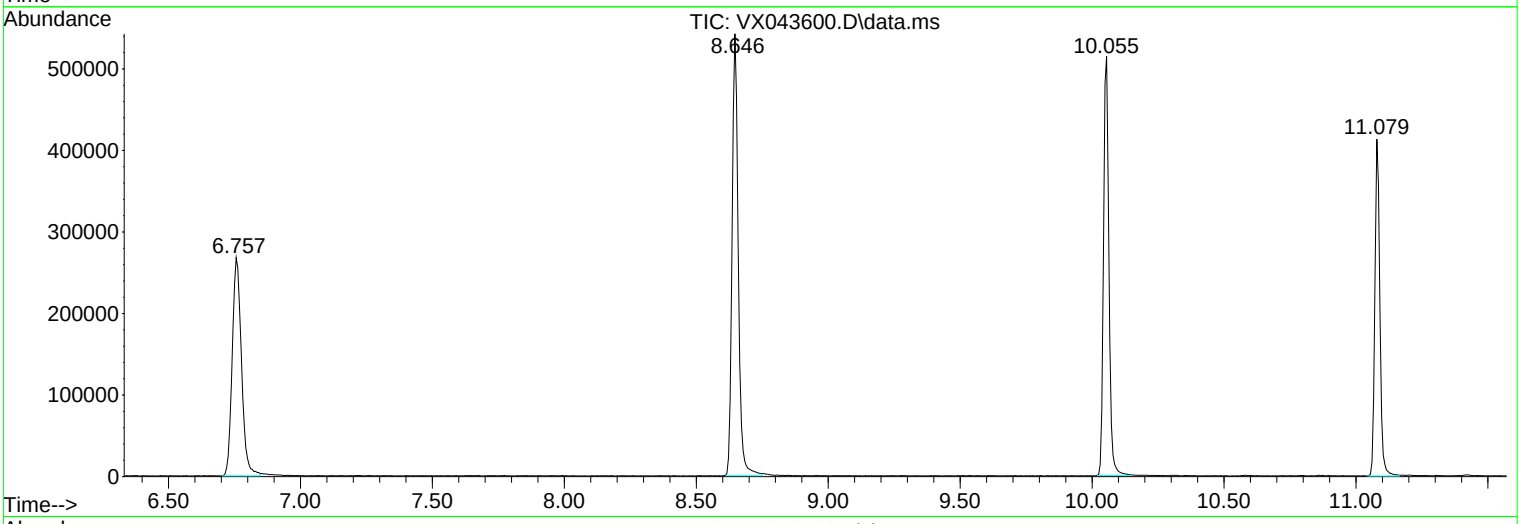
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

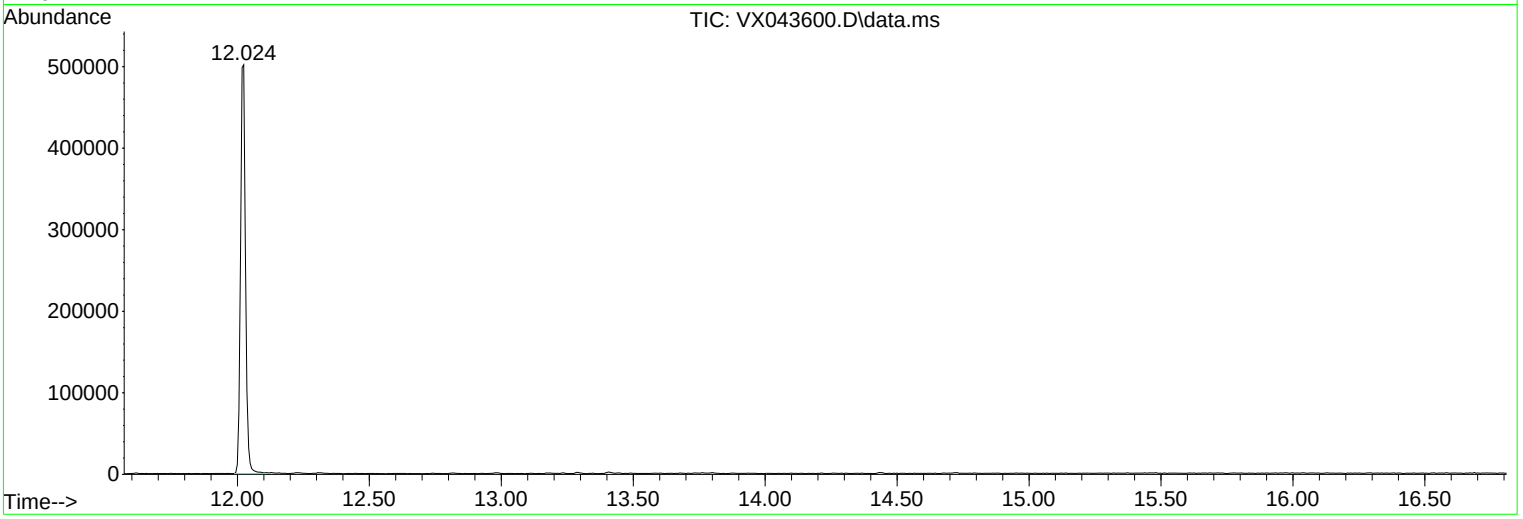
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX043600.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VX043600.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043600.D
Acq On : 29 Oct 2024 16:24
Operator : JC/MD
Sample : P4600-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-DUP-20241025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043601.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-438-440	SDG No.:	P4600
Lab Sample ID:	P4600-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043601.D	1		10/29/24 16:48	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043601.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-438-440	SDG No.:	P4600
Lab Sample ID:	P4600-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043601.D	1		10/29/24 16:48	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.55				
540-36-3	1,4-Difluorobenzene	264000	6.757				
3114-55-4	Chlorobenzene-d5	234000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043601.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-438-440	SDG No.:	P4600
Lab Sample ID:	P4600-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043601.D	1		10/29/24 16:48	VX102924

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

Sample Results: **VX043601.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Time: Oct 30 01:35:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

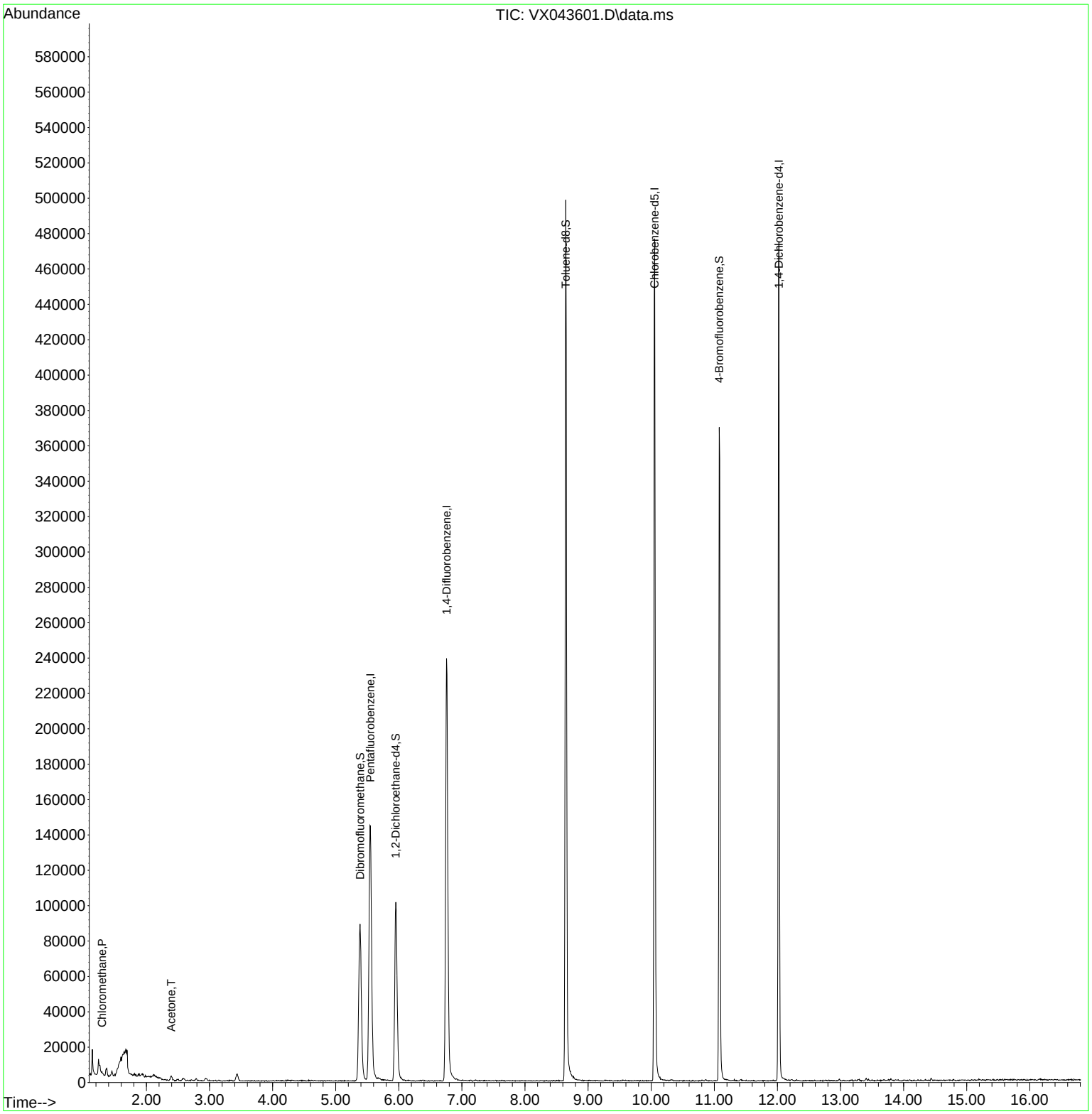
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98914	43.265	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.540%		
35) Dibromofluoromethane	5.385	113	81013	45.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.420%		
50) Toluene-d8	8.647	98	309660	49.920	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.840%		
62) 4-Bromofluorobenzene	11.079	95	110843	48.222	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.440%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	658	0.336	ug/l #	87
16) Acetone	2.392	43	2979	3.281	ug/l	99

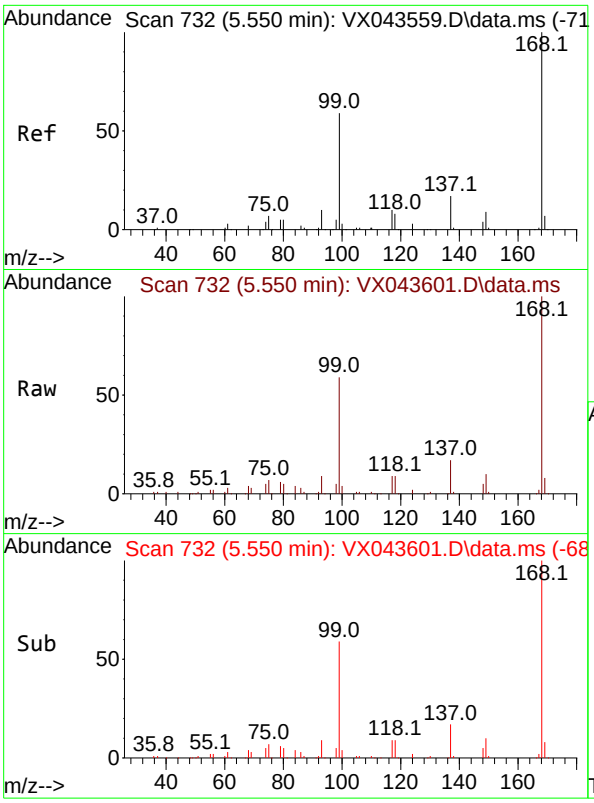
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Time: Oct 30 01:35:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



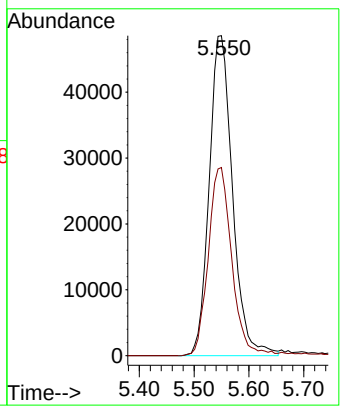


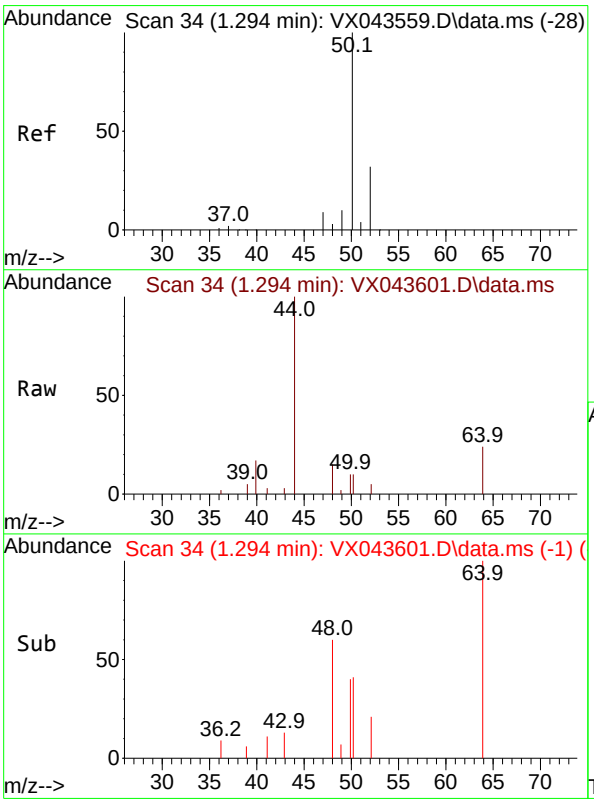
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Tgt Ion:168 Resp: 143380

Ion	Ratio	Lower	Upper
168	100		
99	58.8	52.6	78.8

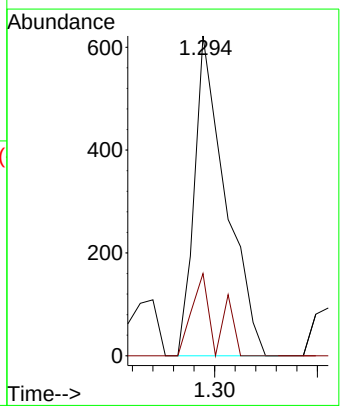


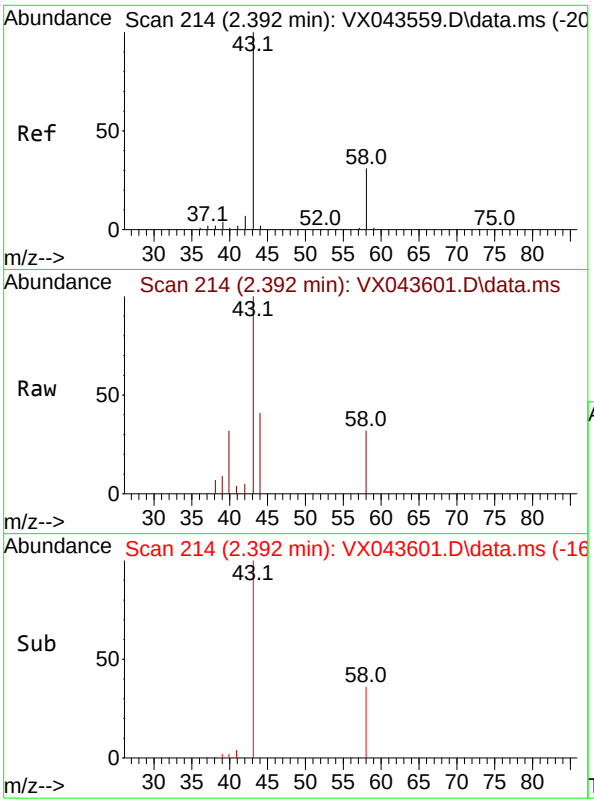


#3
Chloromethane
Concen: 0.336 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion: 50 Resp: 658

Ion	Ratio	Lower	Upper
50	100		
52	25.7	26.3	39.5#



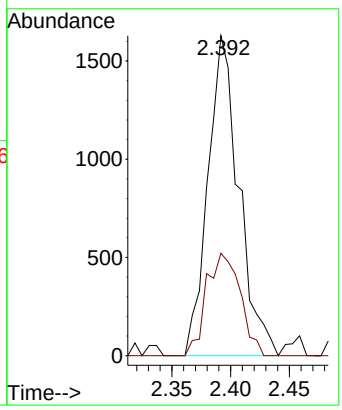


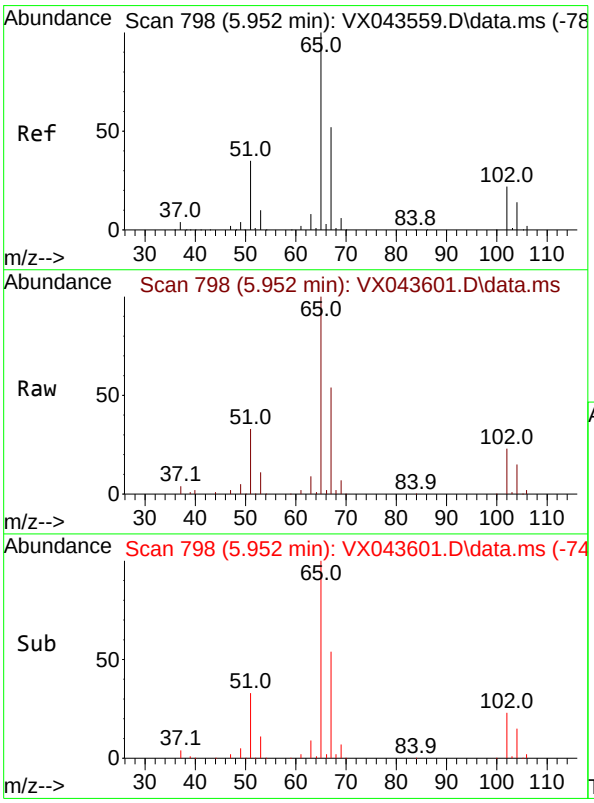
#16
Acetone
Concen: 3.281 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Tgt Ion: 43 Resp: 2979

Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7

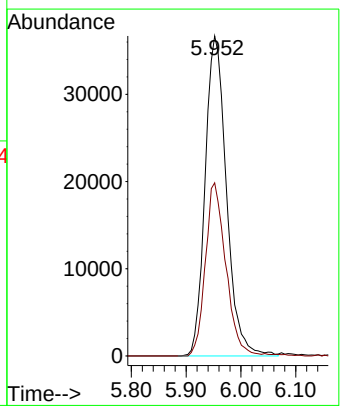


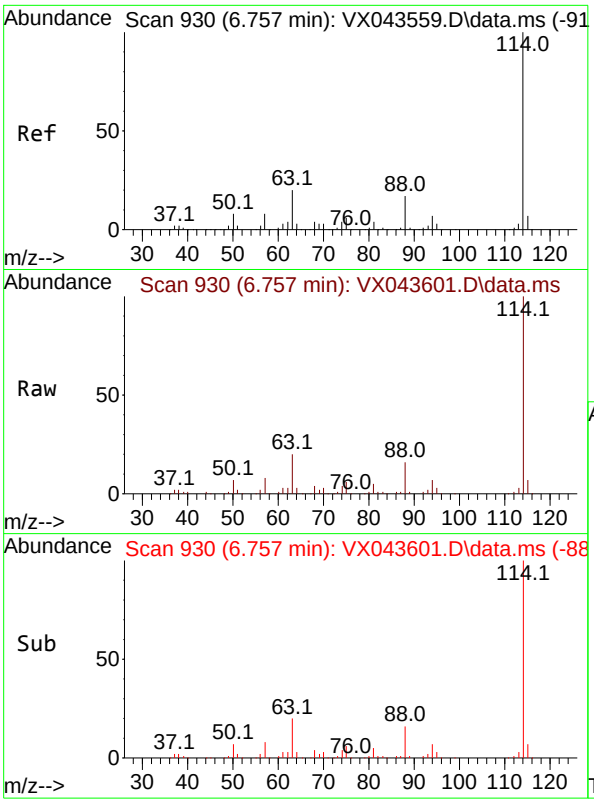


#33
1,2-Dichloroethane-d4
Concen: 43.265 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion: 65 Resp: 98914

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.4



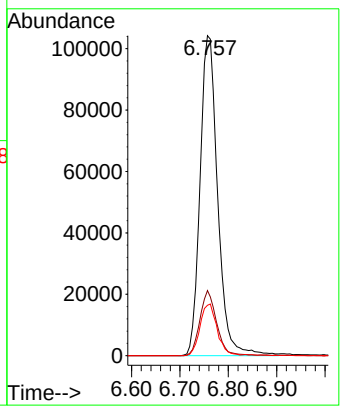


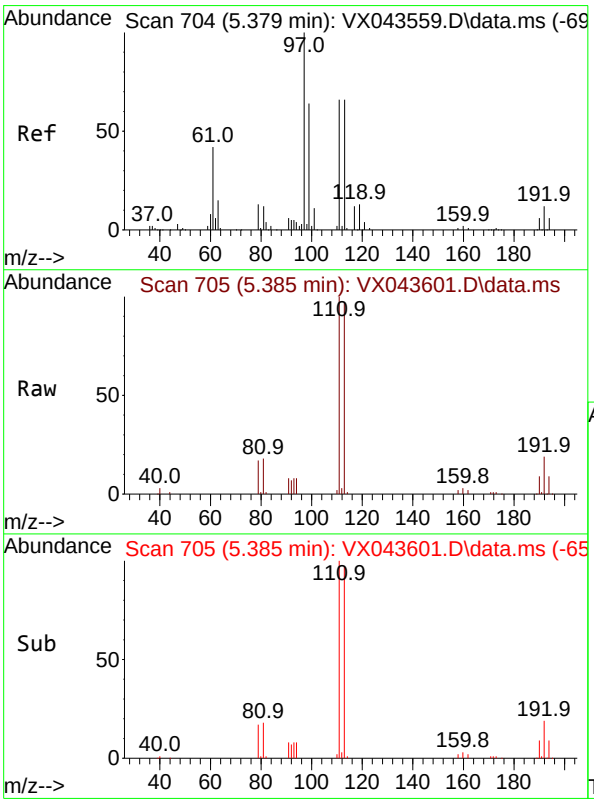
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Tgt Ion:114 Resp: 264264

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.2
88	15.8	0.0	34.0

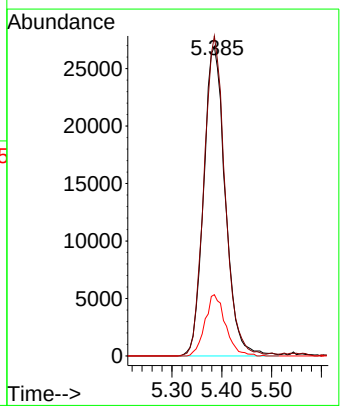


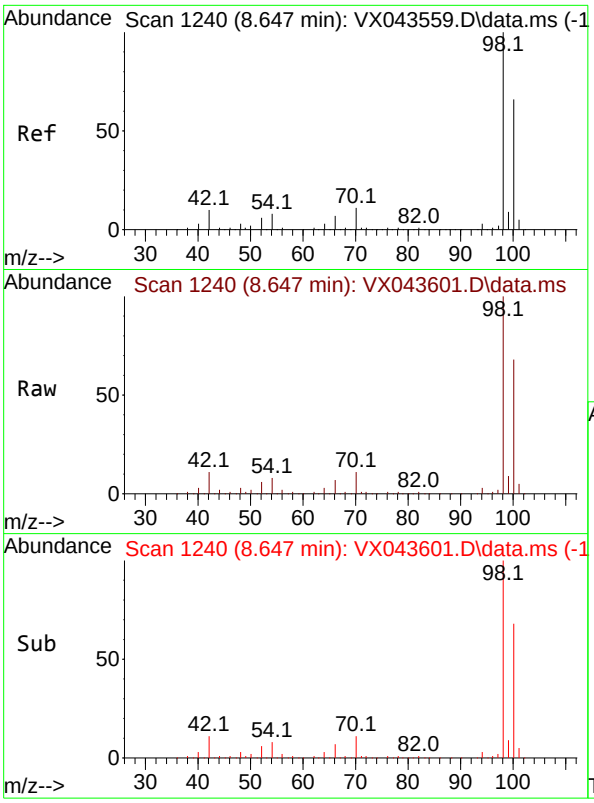


#35
Dibromofluoromethane
Concen: 45.209 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion:113 Resp: 81013

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.0
192	18.8	14.1	21.1



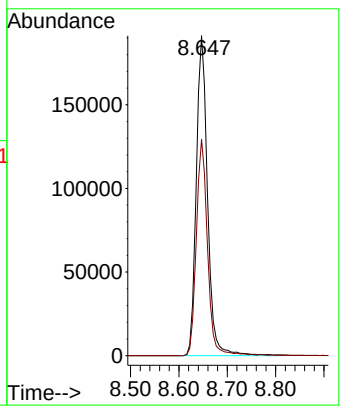


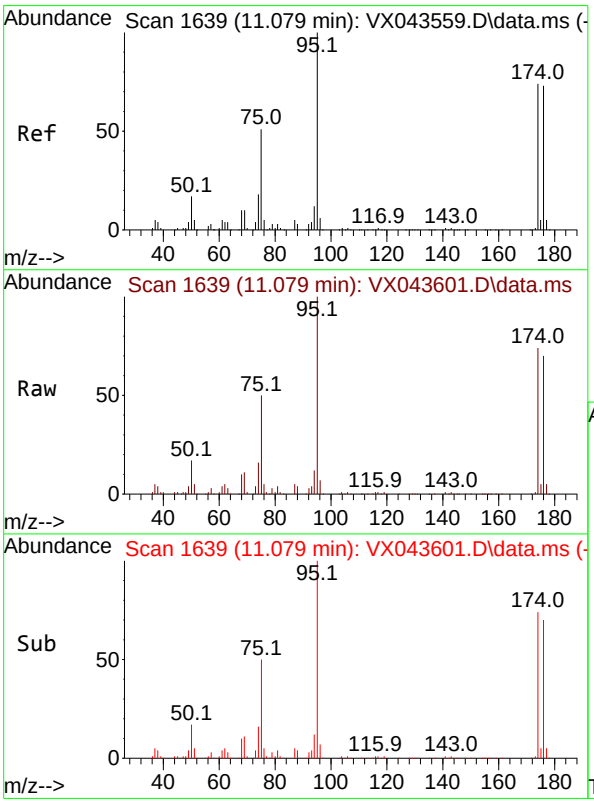
#50
Toluene-d8
Concen: 49.920 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Tgt Ion: 98 Resp: 309660

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2

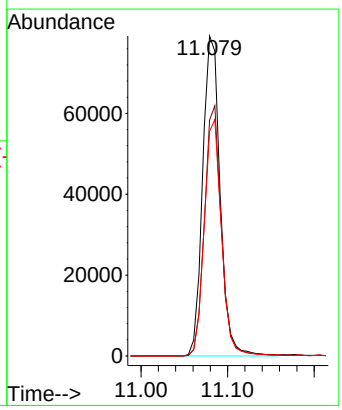


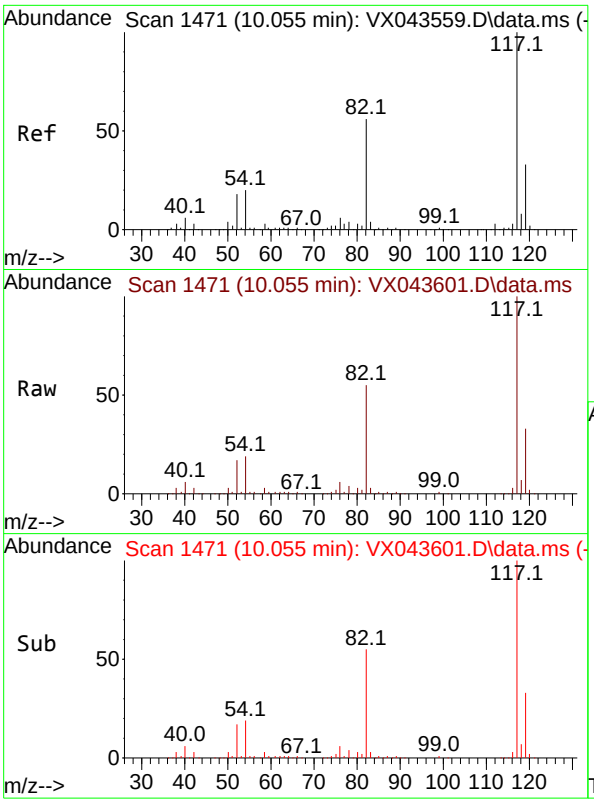


#62
4-Bromofluorobenzene
Concen: 48.222 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion: 95 Resp: 110843

Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	146.6
176	73.3	0.0	139.6



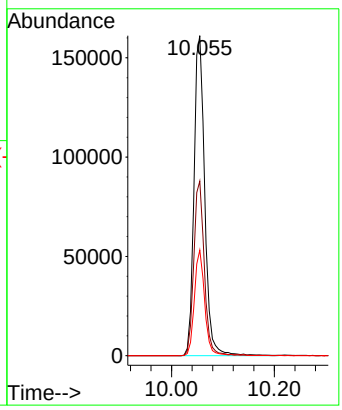


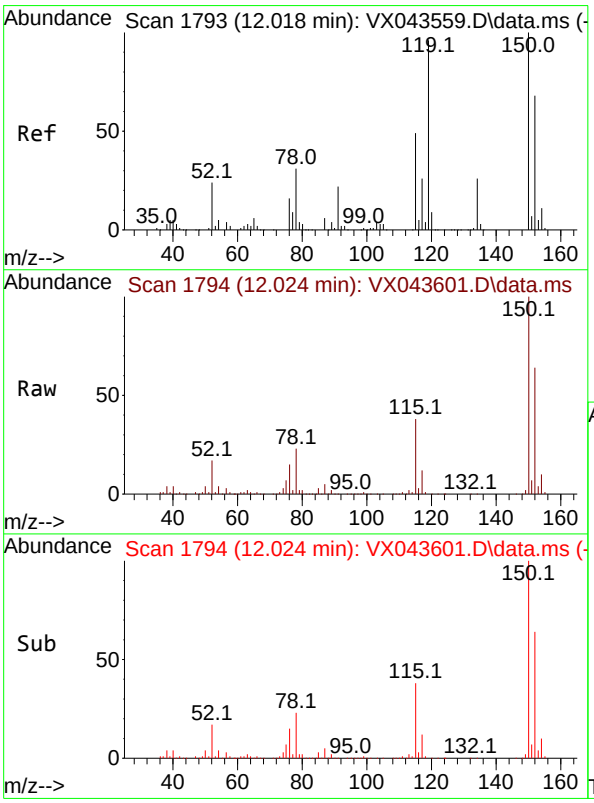
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Tgt Ion:117 Resp: 234277

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.1	63.1
119	33.0	25.4	38.2

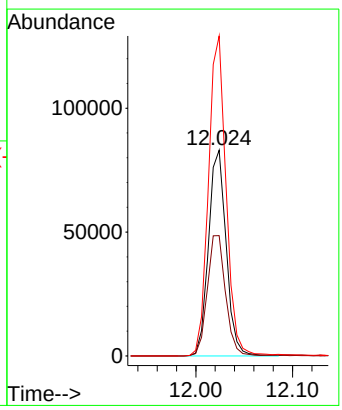




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043601.D
Acq: 29 Oct 2024 16:48

Tgt Ion:152 Resp: 105995

Ion	Ratio	Lower	Upper
152	100		
115	60.3	42.9	128.7
150	155.8	0.0	343.6



Sample Results: **VX043601.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043601.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	16	rBV	14581	15232	1.89%	0.357%
2	1.239	22	25	27	rBV2	8196	8873	1.10%	0.208%
3	1.374	41	47	51	rVB3	4608	8250	1.02%	0.194%
4	1.599	69	84	85	rBV2	10315	33292	4.13%	0.781%
5	1.648	85	92	93	rBV6	5412	11164	1.39%	0.262%
6	3.440	375	386	394	rBV5	4052	10640	1.32%	0.250%
7	5.385	692	705	719	rBV	88728	263345	32.67%	6.180%
8	5.544	722	731	749	rVV	143360	414178	51.39%	9.720%
9	5.952	789	798	812	rBV2	101005	270773	33.59%	6.354%
10	6.757	918	930	954	rBV	239015	596796	74.04%	14.005%
11	8.647	1233	1240	1256	rBV	498054	806028	100.00%	18.915%
12	10.055	1465	1471	1484	rBV	476070	686533	85.17%	16.111%
13	11.079	1634	1639	1653	rBV	369286	511285	63.43%	11.998%
14	12.024	1788	1794	1805	rBV	474263	624911	77.53%	14.665%

Sum of corrected areas: 4261300

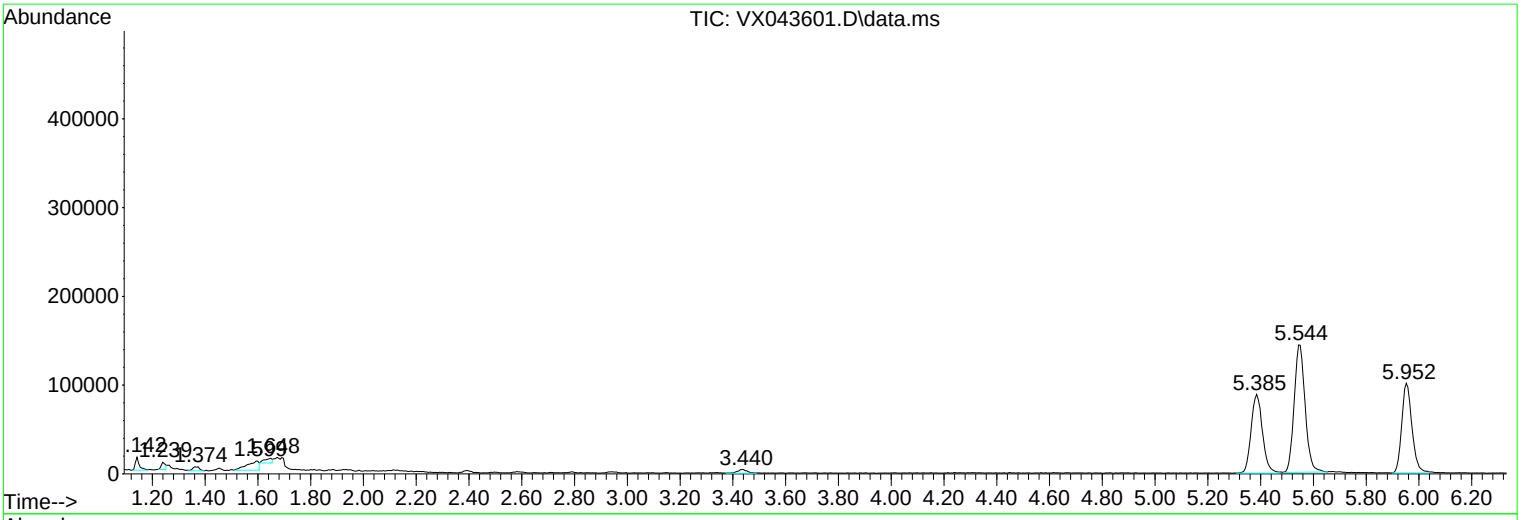
Sample Results: **VX043601.D**

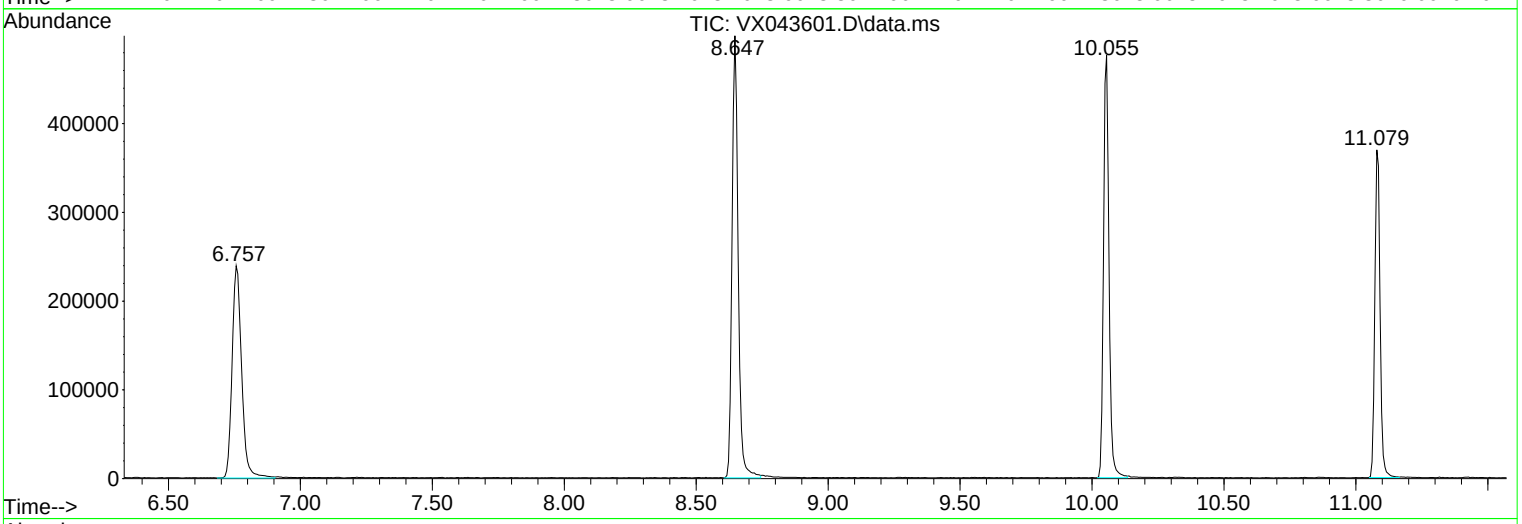
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

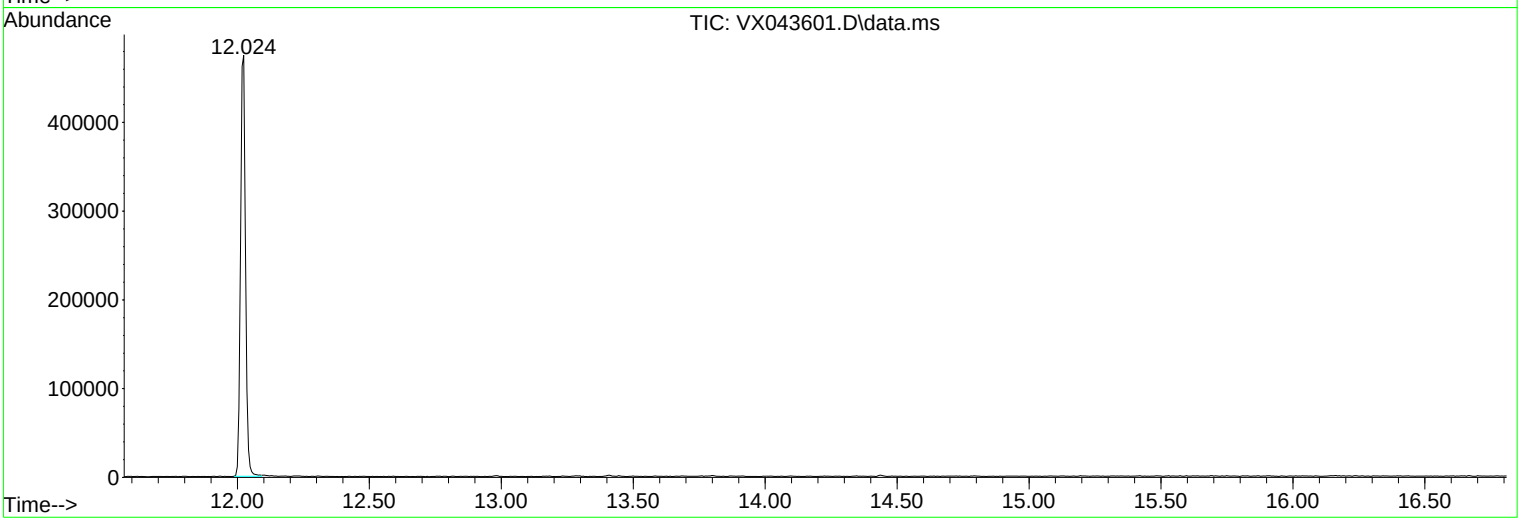
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX043601.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX102924\
Data File : VX043601.D
Acq On : 29 Oct 2024 16:48
Operator : JC/MD
Sample : P4600-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-438-440

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043602.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-458-460	SDG No.:	P4600
Lab Sample ID:	P4600-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043602.D	1		10/29/24 17:11	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.41	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	5.10		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043602.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-458-460	SDG No.:	P4600
Lab Sample ID:	P4600-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043602.D	1		10/29/24 17:11	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.1		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	107000	5.55				
540-36-3	1,4-Difluorobenzene	198000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	83800	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043602.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-458-460	SDG No.:	P4600
Lab Sample ID:	P4600-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043602.D	1		10/29/24 17:11	VX102924

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\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Time: Oct 30 01:35:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

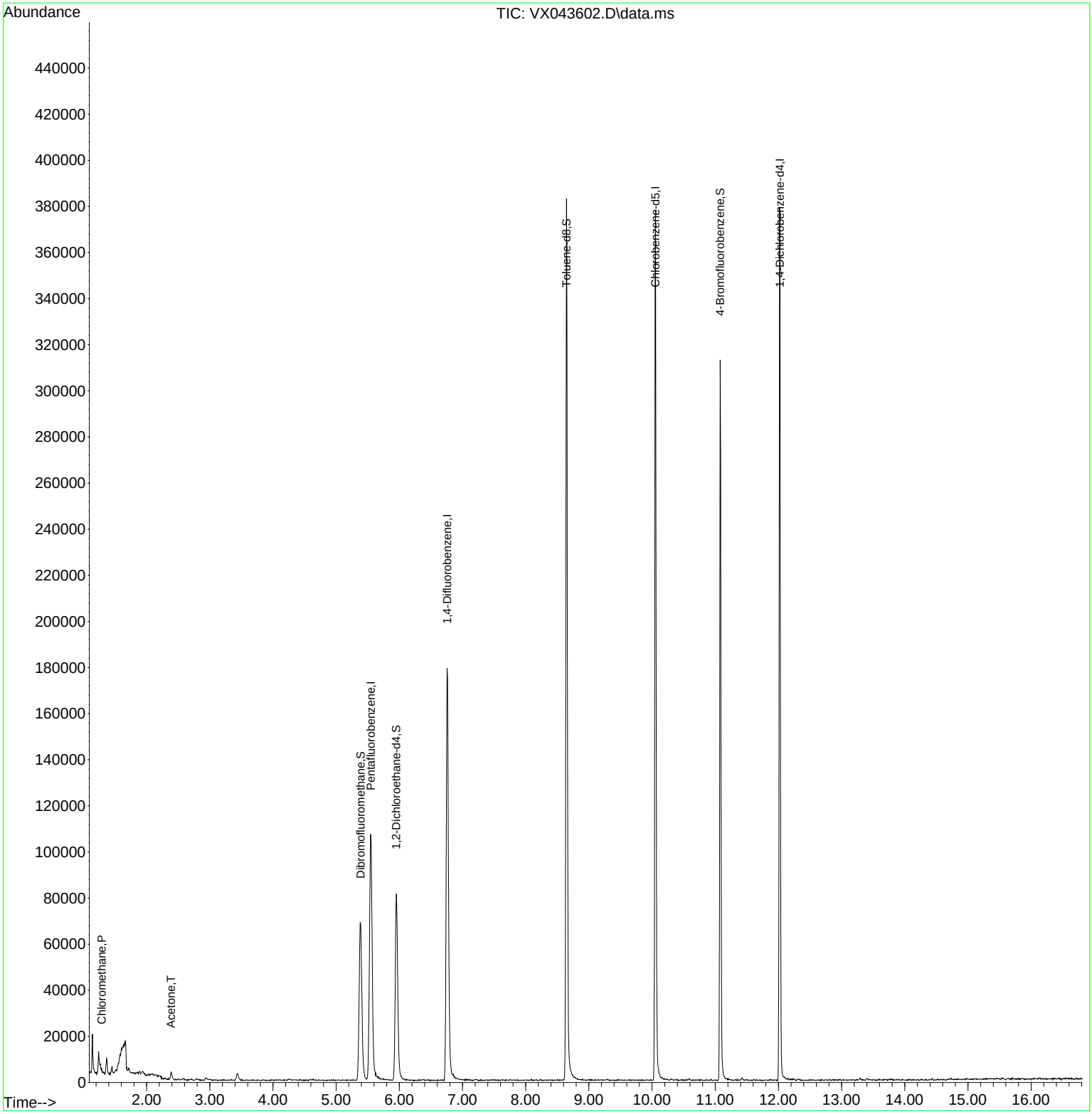
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	106562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80017	47.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.180%			
35) Dibromofluoromethane	5.385	113	62819	46.897	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.800%			
50) Toluene-d8	8.647	98	238299	51.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.780%			
62) 4-Bromofluorobenzene	11.079	95	87728	51.058	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.120%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	590	0.405	ug/l #	67
16) Acetone	2.386	43	3466	5.137	ug/l #	83

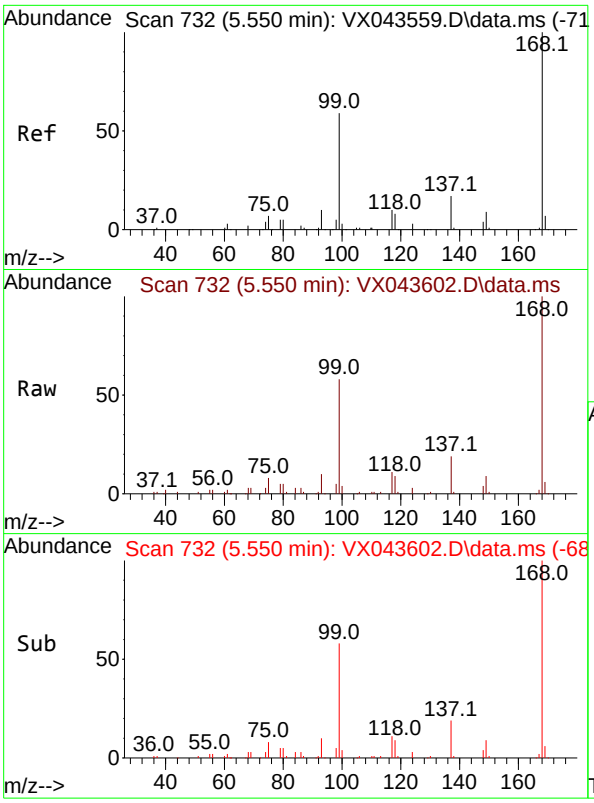
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Time: Oct 30 01:35:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



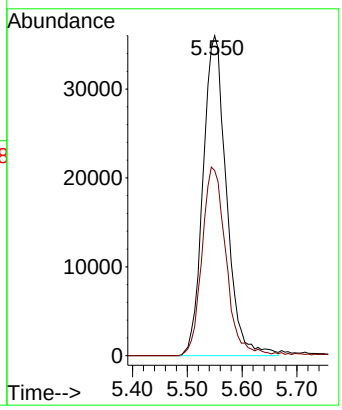


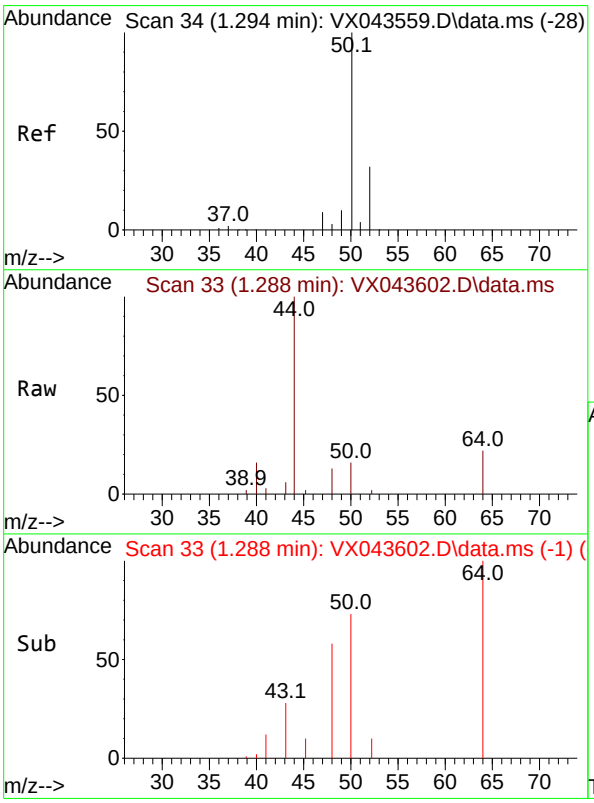
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Tgt Ion:168 Resp: 106562

Ion	Ratio	Lower	Upper
168	100		
99	57.9	52.6	78.8

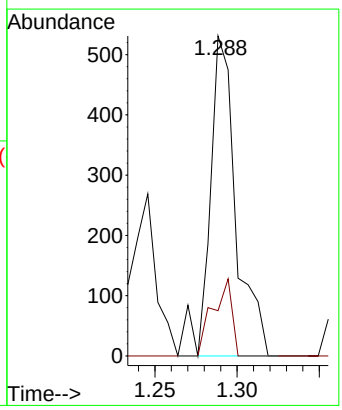


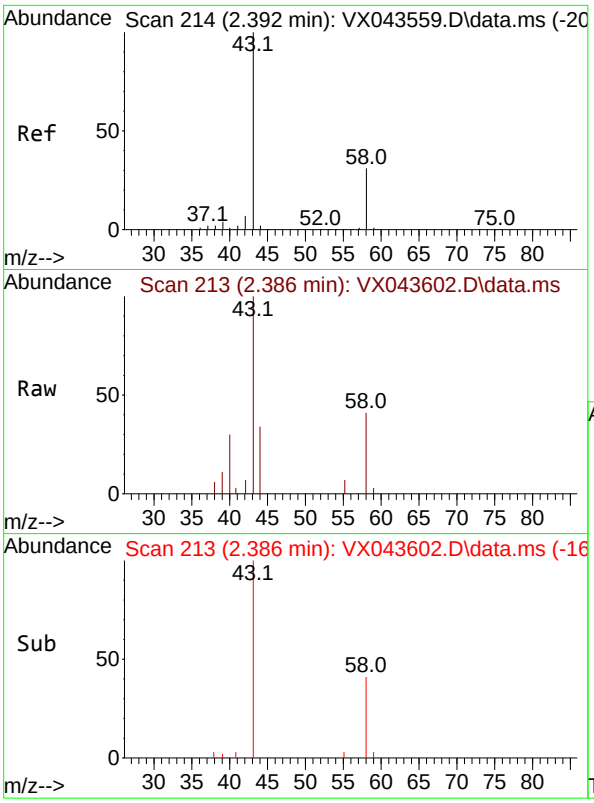


#3
Chloromethane
Concen: 0.405 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Tgt Ion: 50 Resp: 590

Ion	Ratio	Lower	Upper
50	100		
52	14.1	26.3	39.5#



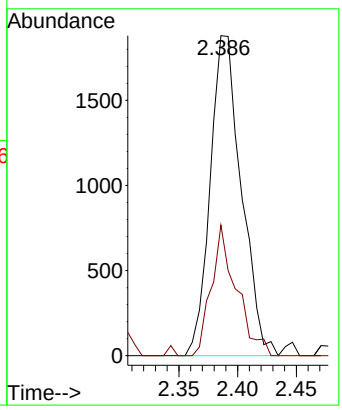


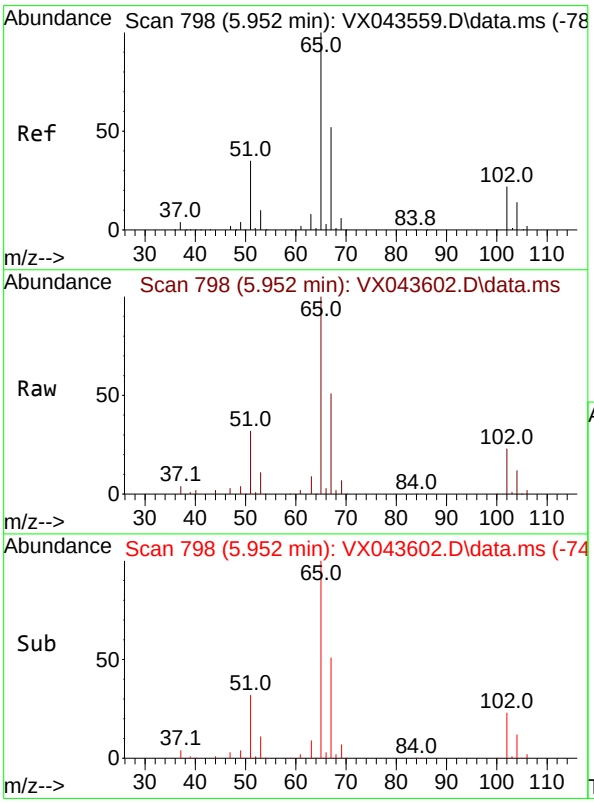
#16
Acetone
Concen: 5.137 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Tgt Ion: 43 Resp: 3466

Ion	Ratio	Lower	Upper
43	100		
58	40.8	25.1	37.7#

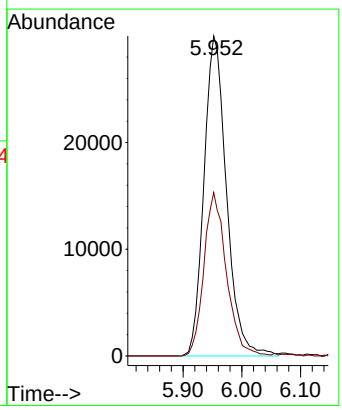


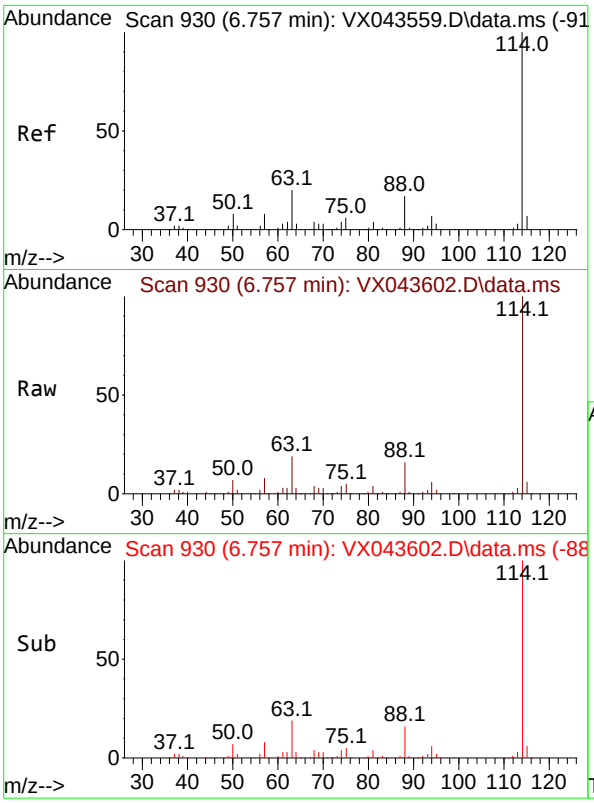


#33
1,2-Dichloroethane-d4
Concen: 47.092 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Tgt Ion: 65 Resp: 80017

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.4



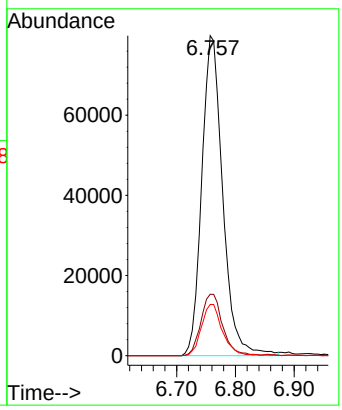


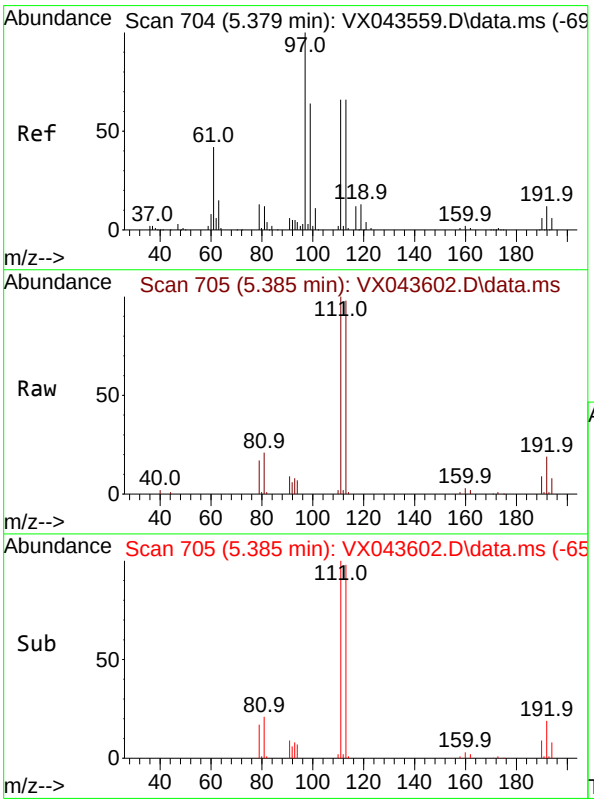
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Tgt Ion:114 Resp: 197540

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	16.0	0.0	34.0

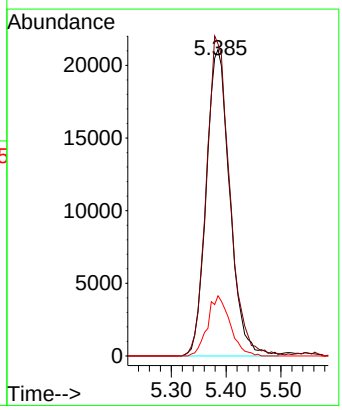


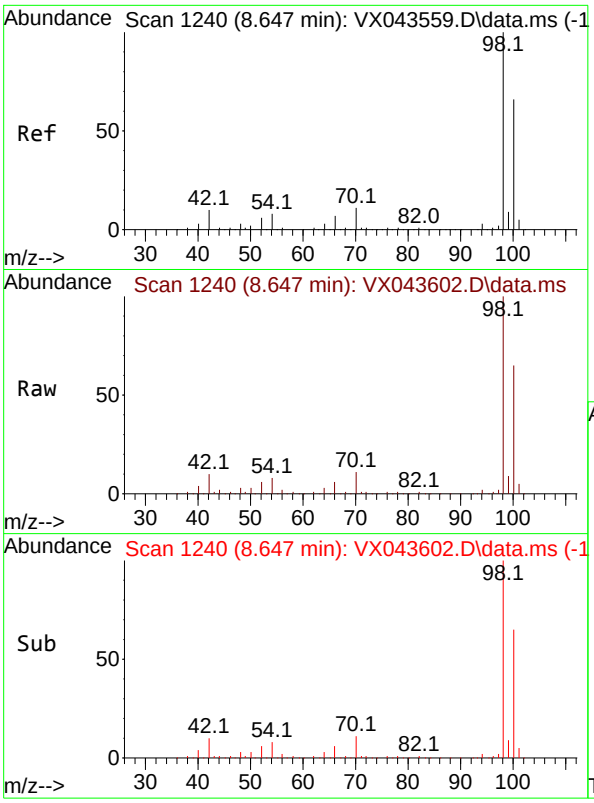


#35
Dibromofluoromethane
Concen: 46.897 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Tgt Ion:113 Resp: 62819

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	18.8	14.1	21.1



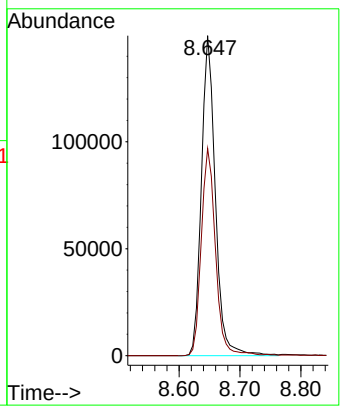


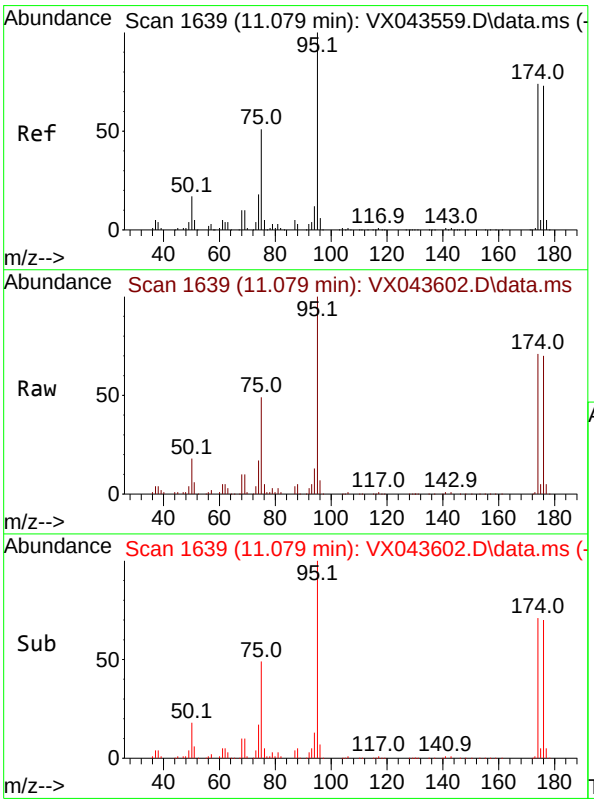
#50
Toluene-d8
Concen: 51.392 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Tgt Ion: 98 Resp: 238299

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.2

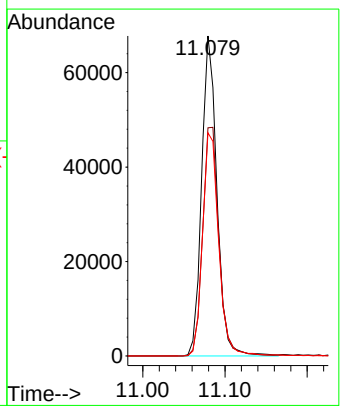


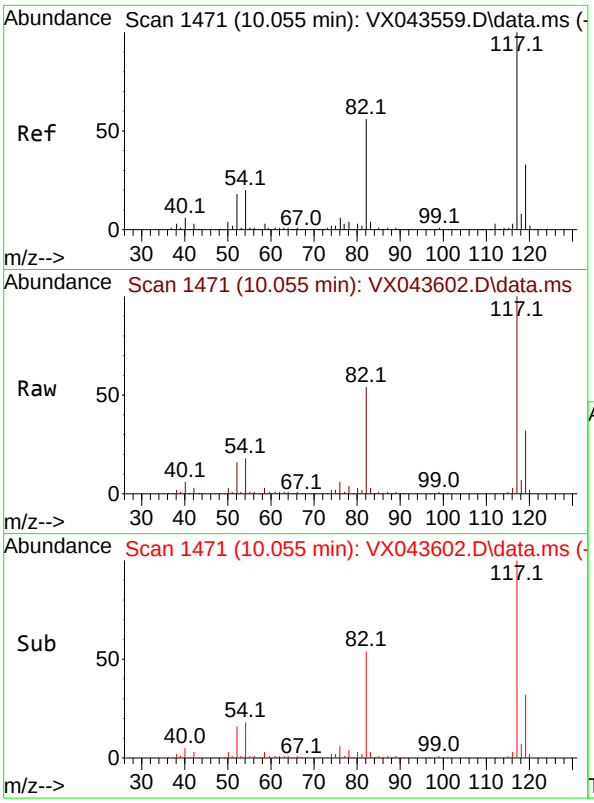


#62
4-Bromofluorobenzene
Concen: 51.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Tgt Ion: 95 Resp: 87728

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	146.6
176	73.9	0.0	139.6



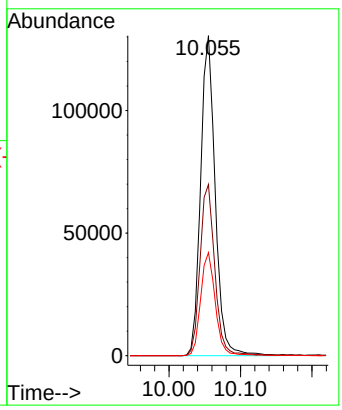


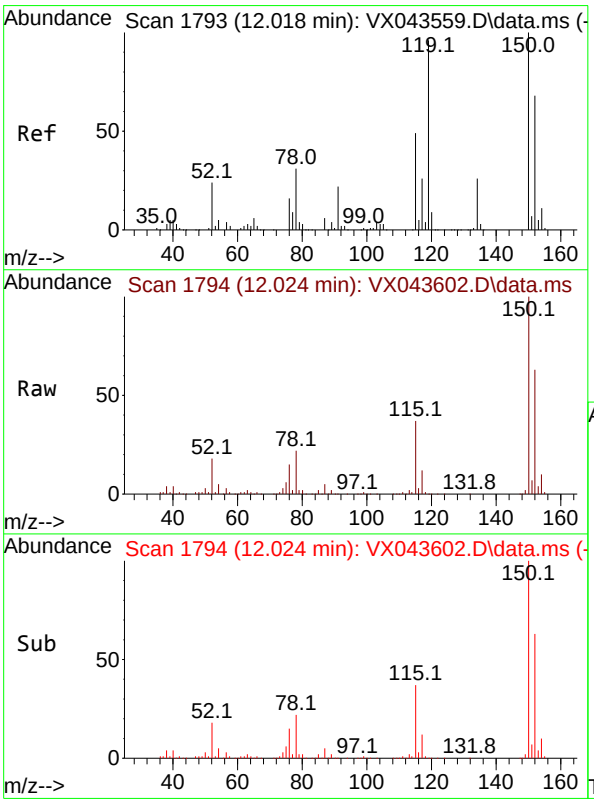
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Tgt Ion:117 Resp: 185294

Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.1	63.1
119	32.2	25.4	38.2

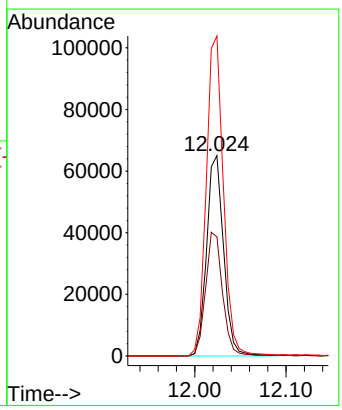




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043602.D
Acq: 29 Oct 2024 17:11

Tgt Ion:152 Resp: 83818

Ion	Ratio	Lower	Upper
152	100		
115	61.4	42.9	128.7
150	160.8	0.0	343.6



Sample Results: **VX043602.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043602.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rVB	17005	17502	2.82%	0.524%
2	1.240	20	25	28	rBV2	9822	13474	2.17%	0.404%
3	1.368	41	46	50	rBV3	6751	9988	1.61%	0.299%
4	1.581	72	81	82	rBV5	7183	15281	2.46%	0.458%
5	2.386	208	213	223	rVB2	3485	6816	1.10%	0.204%
6	3.434	378	385	392	rBV5	3092	7644	1.23%	0.229%
7	5.379	694	704	721	rBV	68369	206433	33.28%	6.185%
8	5.550	721	732	749	rBV	106120	313822	50.59%	9.402%
9	5.952	788	798	815	rBV2	80895	219592	35.40%	6.579%
10	6.757	922	930	945	rBV	178878	446693	72.01%	13.383%
11	8.647	1233	1240	1259	rBV	382226	620320	100.00%	18.585%
12	10.055	1465	1471	1487	rBV	377230	546762	88.14%	16.381%
13	11.079	1634	1639	1652	rBV	312524	409321	65.99%	12.264%
14	12.018	1788	1793	1805	rBV	378981	504032	81.25%	15.101%

Sum of corrected areas: 3337680

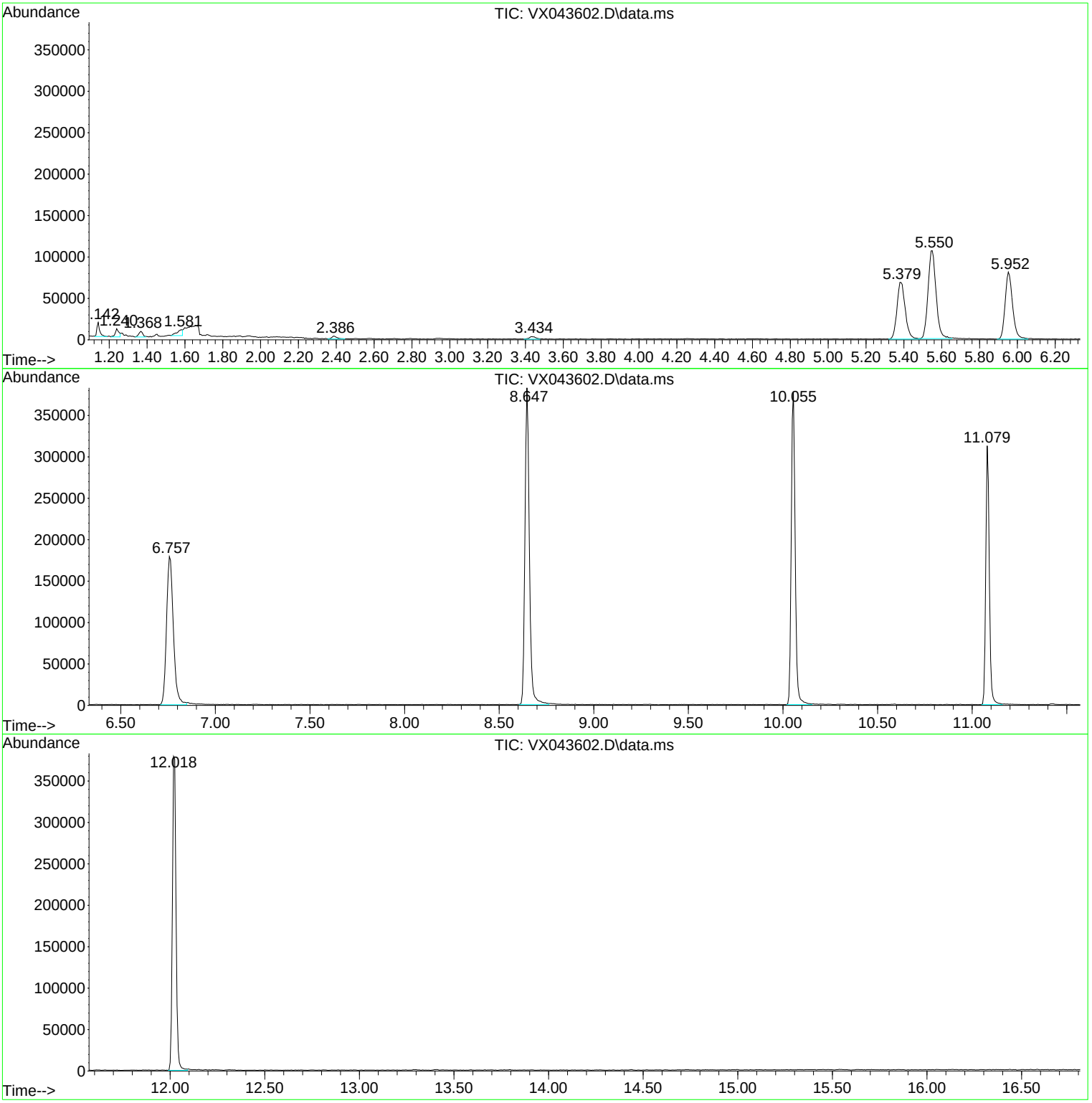
Sample Results: **VX043602.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043602.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX102924\
Data File : VX043602.D
Acq On : 29 Oct 2024 17:11
Operator : JC/MD
Sample : P4600-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-458-460

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043616.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-478-480	SDG No.:	P4600
Lab Sample ID:	P4600-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043616.D	1		10/30/24 12:06	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043616.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-478-480	SDG No.:	P4600
Lab Sample ID:	P4600-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043616.D	1		10/30/24 12:06	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.9		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.55				
540-36-3	1,4-Difluorobenzene	259000	6.757				
3114-55-4	Chlorobenzene-d5	229000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	100000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043616.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/25/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-478-480	SDG No.:	P4600
Lab Sample ID:	P4600-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043616.D	1		10/30/24 12:06	VX103024

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\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Time: Oct 30 13:06:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

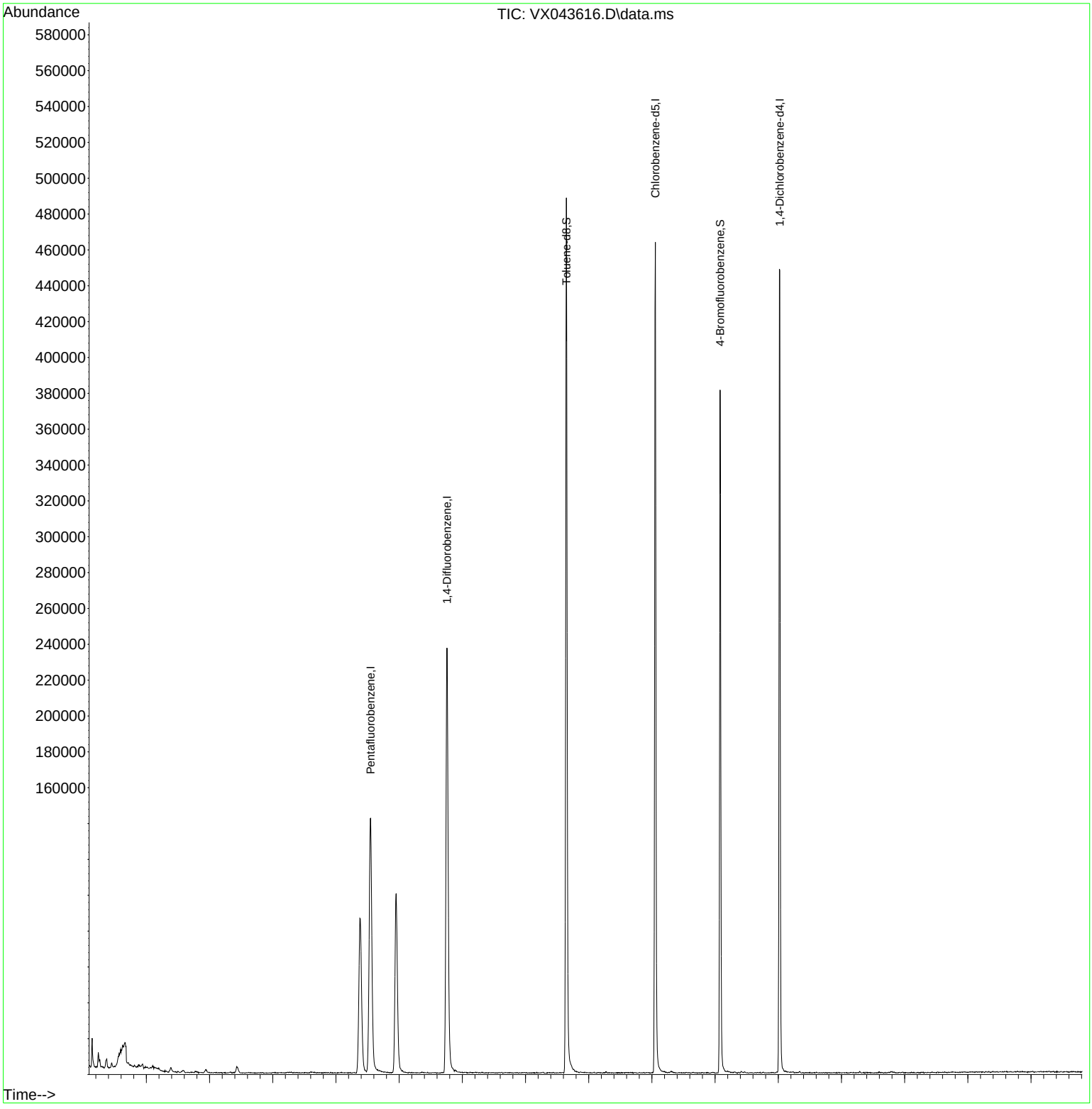
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	259096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95599	41.880	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.760%			
35) Dibromofluoromethane	5.385	113	79955	45.509	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.020%			
50) Toluene-d8	8.647	98	304017	49.988	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	11.079	95	106465	47.242	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.480%			
Target Compounds						Qvalue
16) Acetone	2.386	43	3065	3.381	ug/l #	85

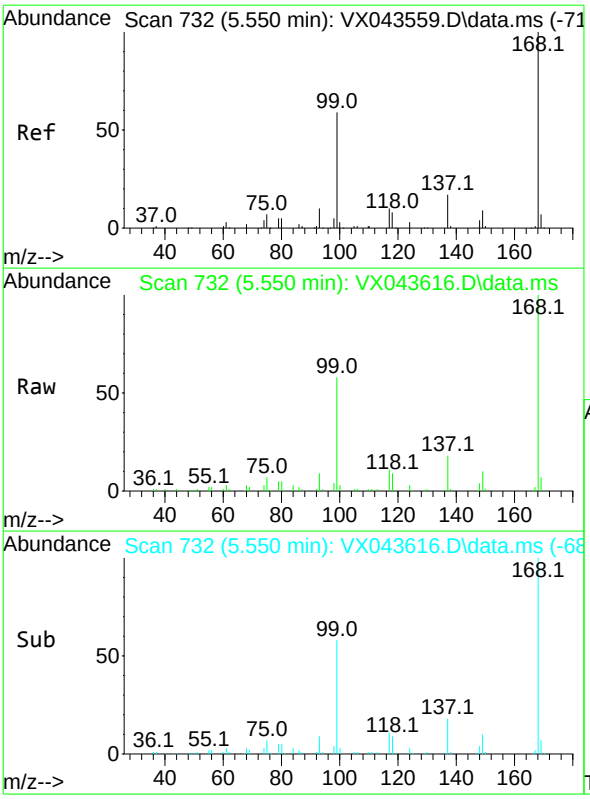
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Time: Oct 30 13:06:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



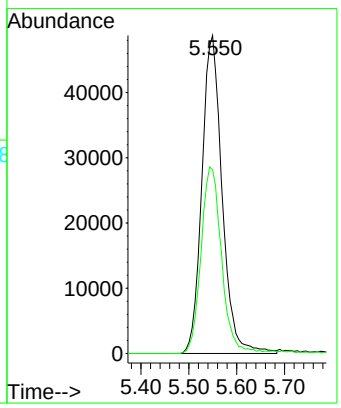


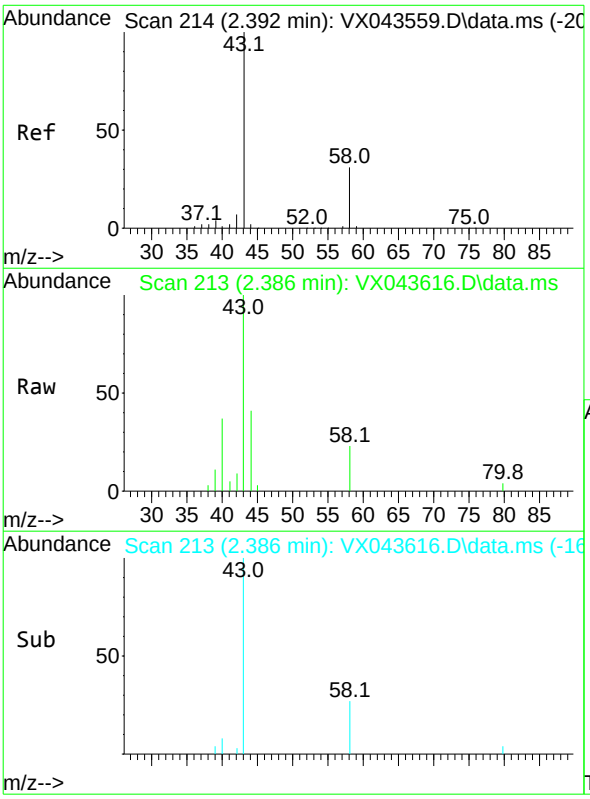
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Tgt Ion:168 Resp: 143159

Ion	Ratio	Lower	Upper
168	100		
99	57.8	52.6	78.8

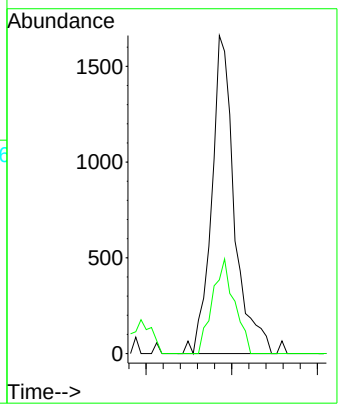


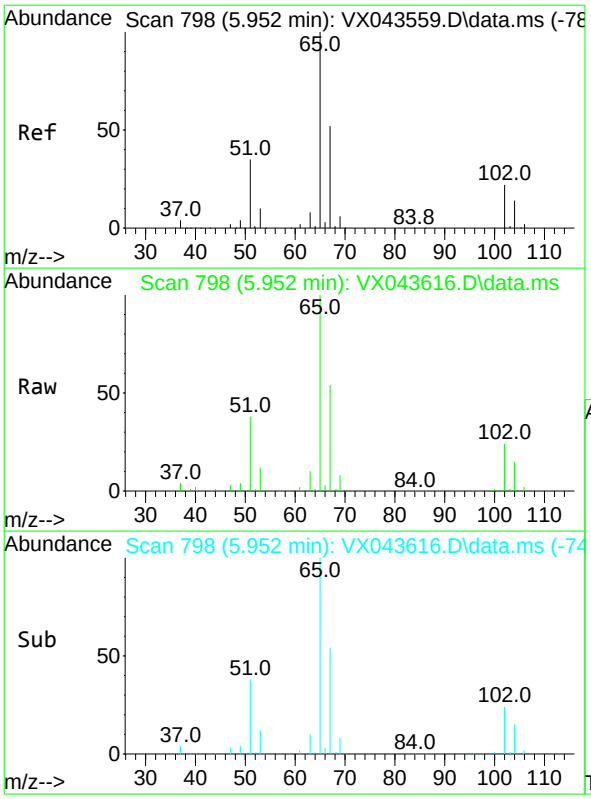


#16
Acetone
Concen: 3.381 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Tgt Ion: 43 Resp: 3065

Ion	Ratio	Lower	Upper
43	100		
58	23.2	25.1	37.7#



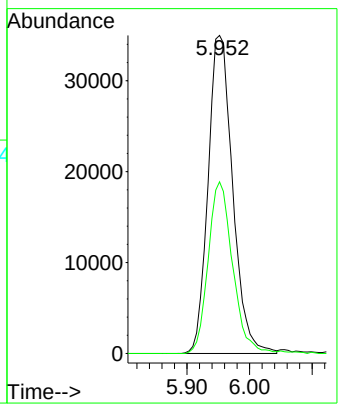


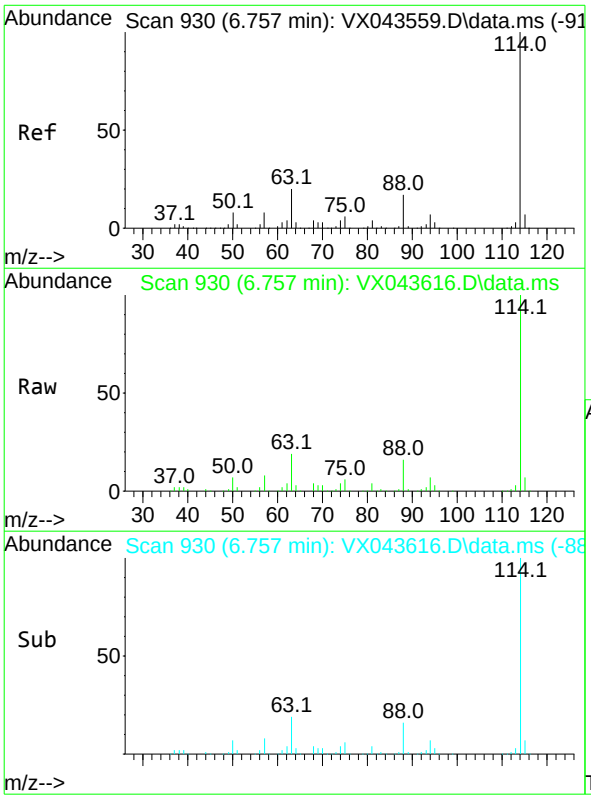
#33
1,2-Dichloroethane-d4
Concen: 41.880 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Tgt Ion: 65 Resp: 95599

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.4

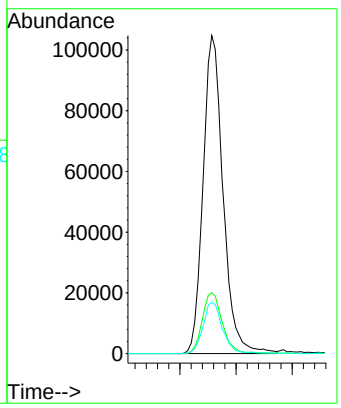


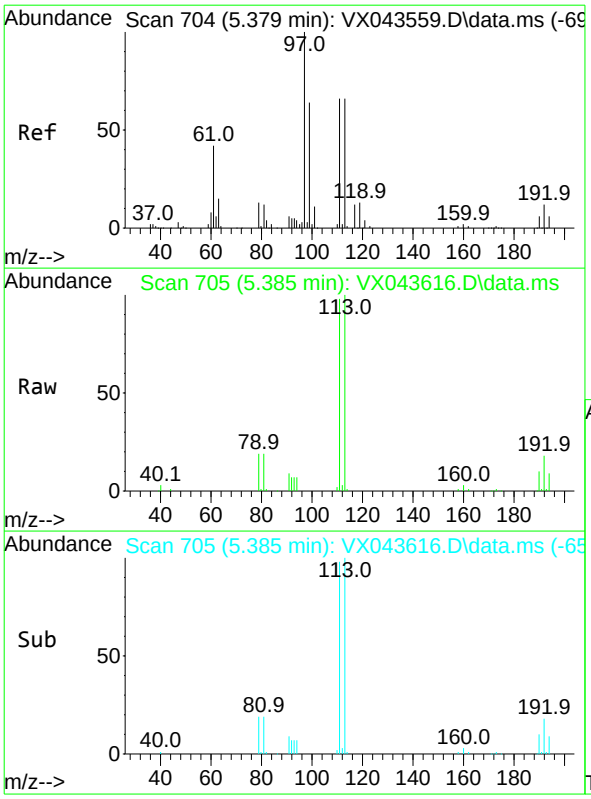


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Tgt Ion:114 Resp: 259096

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.2
88	16.1	0.0	34.0



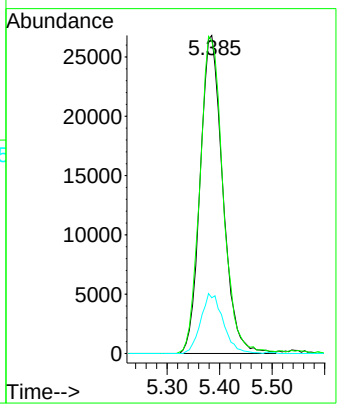


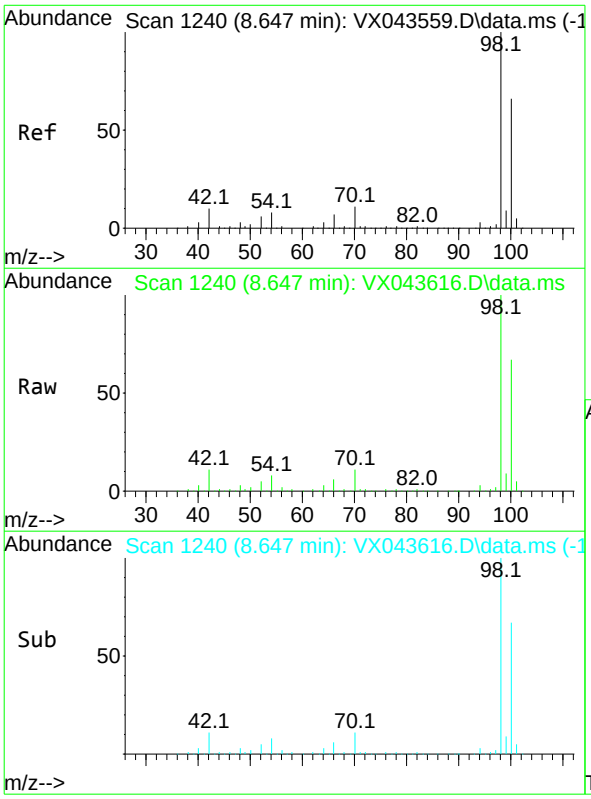
#35
Dibromofluoromethane
Concen: 45.509 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Tgt Ion:113 Resp: 79955

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	18.8	14.1	21.1

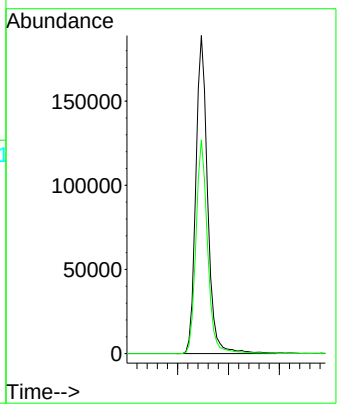


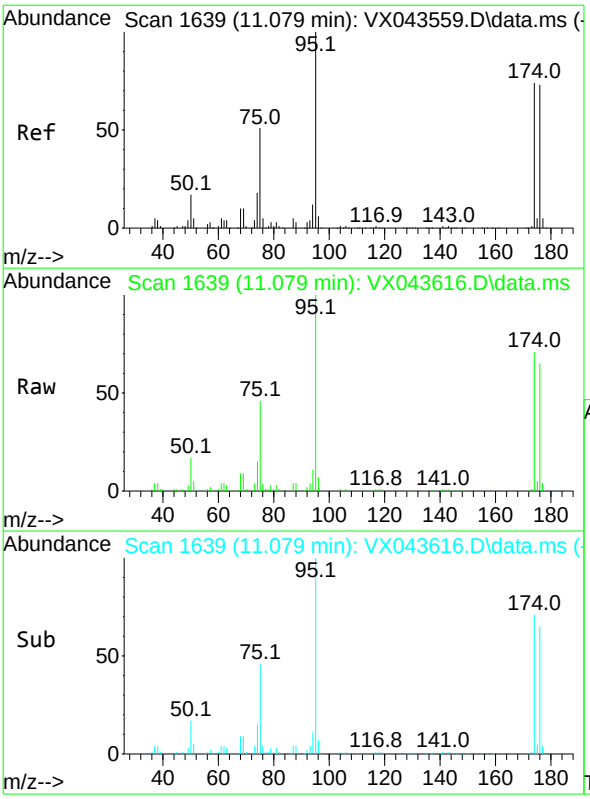


#50
Toluene-d8
Concen: 49.988 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Tgt Ion: 98 Resp: 304017

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.2



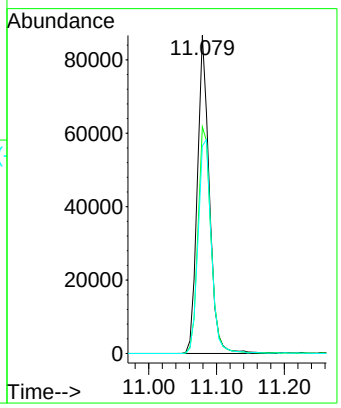


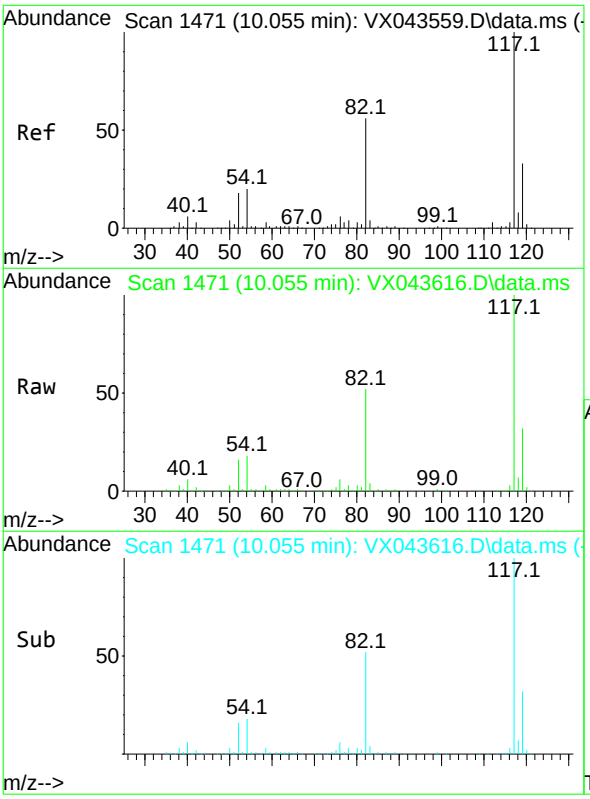
#62
4-Bromofluorobenzene
Concen: 47.242 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Tgt Ion: 95 Resp: 106465

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	146.6
176	73.7	0.0	139.6

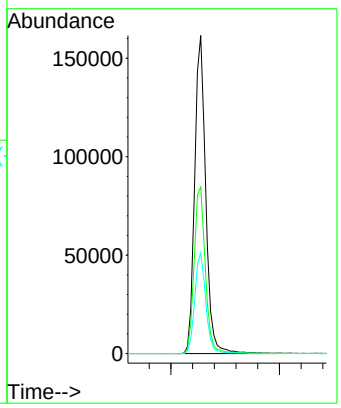


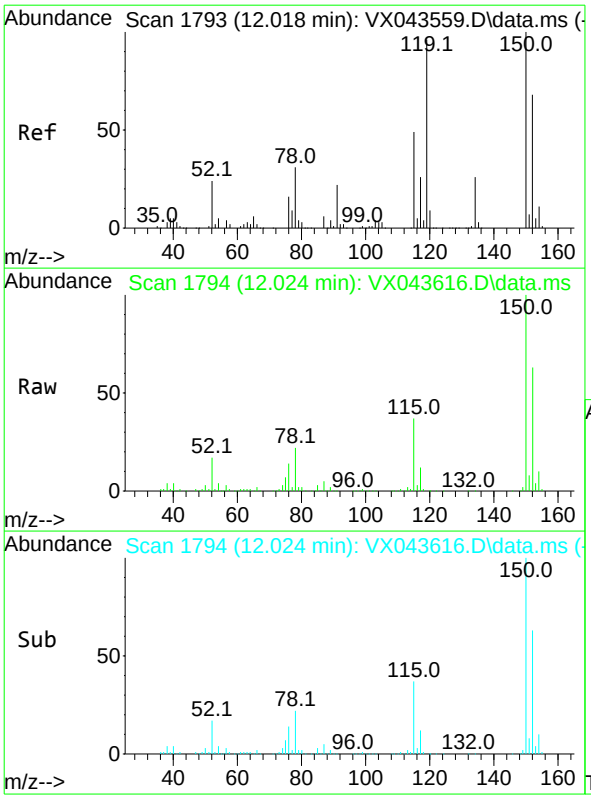


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Tgt Ion:117 Resp: 228779

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	31.6	25.4	38.2



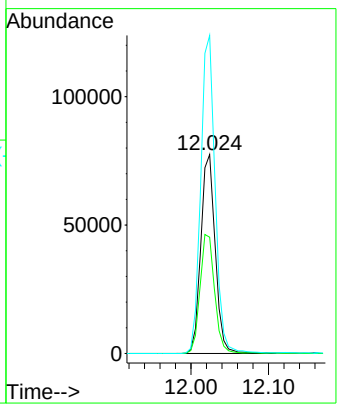


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043616.D
Acq: 30 Oct 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Tgt Ion:152 Resp: 100346

Ion	Ratio	Lower	Upper
152	100		
115	60.4	42.9	128.7
150	159.6	0.0	343.6



Sample Results: **VX043616.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043616.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rVB	16128	17307	2.19%	0.417%
2	1.239	22	25	27	rBV	8164	8647	1.09%	0.209%
3	1.374	40	47	50	rBV3	5085	8796	1.11%	0.212%
4	1.593	69	83	84	rBV4	9780	27232	3.45%	0.657%
5	3.428	379	384	394	rBV4	3498	8308	1.05%	0.200%
6	5.379	695	704	721	rBV	86355	261381	33.09%	6.304%
7	5.550	721	732	749	rBV	141481	417984	52.91%	10.082%
8	5.952	789	798	814	rBV2	99809	268383	33.97%	6.473%
9	6.757	921	930	949	rBV	236960	578700	73.26%	13.958%
10	8.647	1233	1240	1258	rBV	488318	789972	100.00%	19.054%
11	10.055	1465	1471	1489	rBV	463286	666468	84.37%	16.075%
12	11.079	1633	1639	1653	rBV	381116	495023	62.66%	11.940%
13	12.018	1788	1793	1806	rBV	448098	597750	75.67%	14.418%

Sum of corrected areas: 4145951

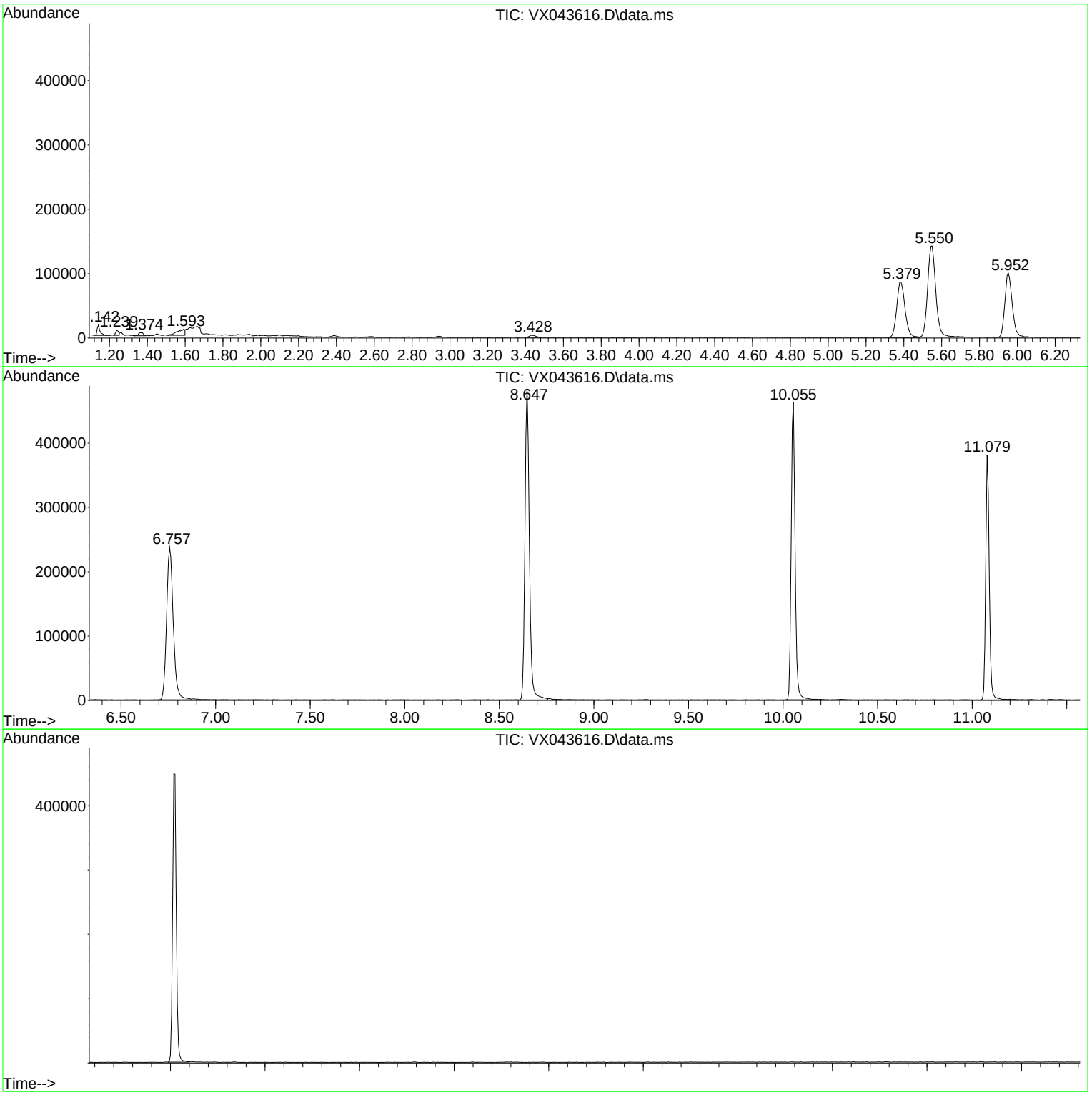
Sample Results: **VX043616.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Sample Results: **VX043616.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX103024\
Data File : VX043616.D
Acq On : 30 Oct 2024 12:06
Operator : JC/MD
Sample : P4600-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-478-480

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043604.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-498-500	SDG No.:	P4600
Lab Sample ID:	P4600-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043604.D	1		10/29/24 17:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	10.6		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043604.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-498-500	SDG No.:	P4600
Lab Sample ID:	P4600-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043604.D	1		10/29/24 17:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.8		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.55				
540-36-3	1,4-Difluorobenzene	238000	6.757				
3114-55-4	Chlorobenzene-d5	216000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	99200	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043604.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-498-500	SDG No.:	P4600
Lab Sample ID:	P4600-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043604.D	1		10/29/24 17:57	VX102924

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

Sample Results: **VX043604.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Time: Oct 30 01:36:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

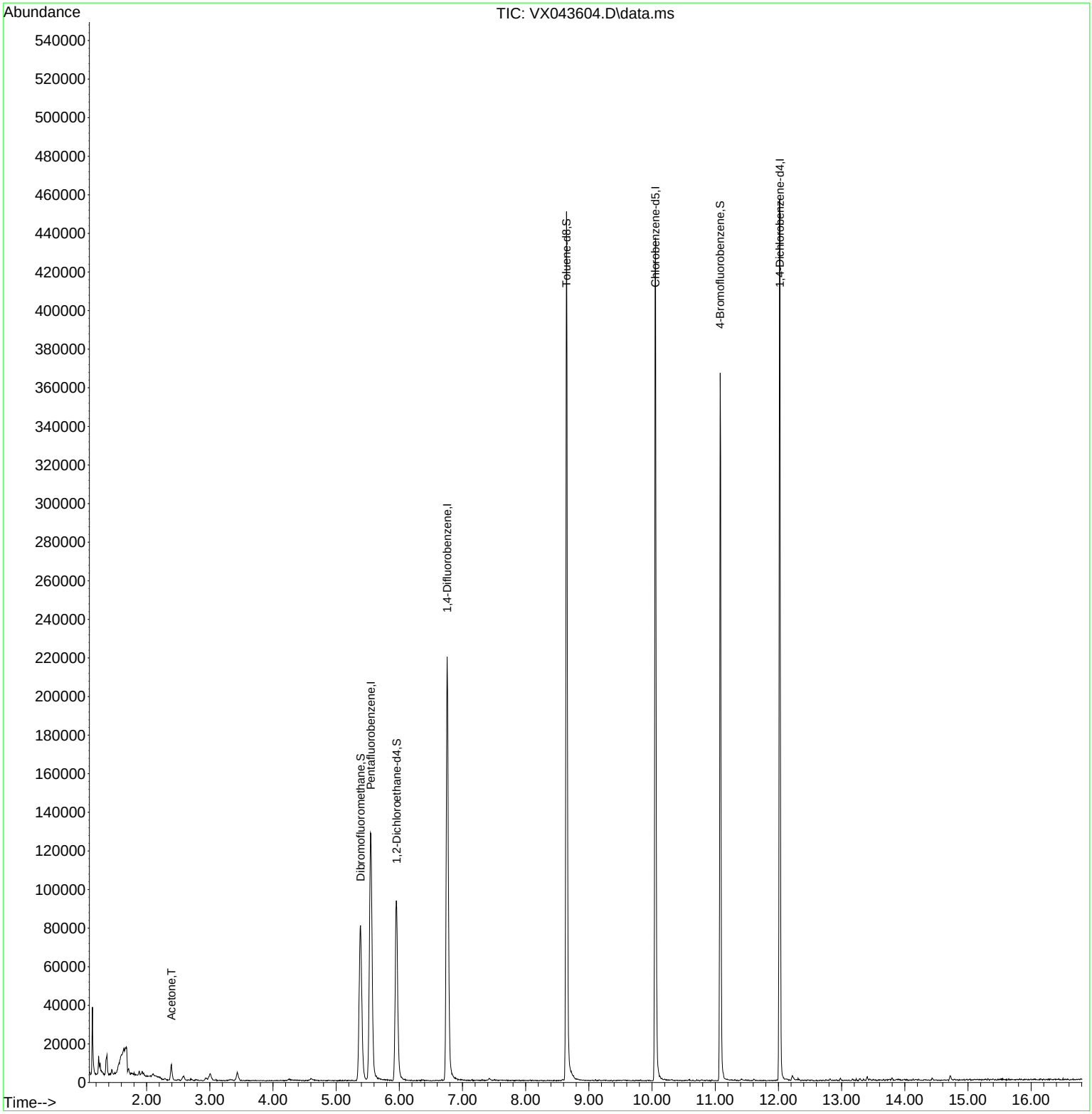
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	128235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89594	43.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.640%			
35) Dibromofluoromethane	5.385	113	74107	45.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.840%			
50) Toluene-d8	8.647	98	279025	49.951	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	11.079	95	105956	51.189	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.380%			
Target Compounds						Qvalue
16) Acetone	2.392	43	8608	10.601	ug/l	99

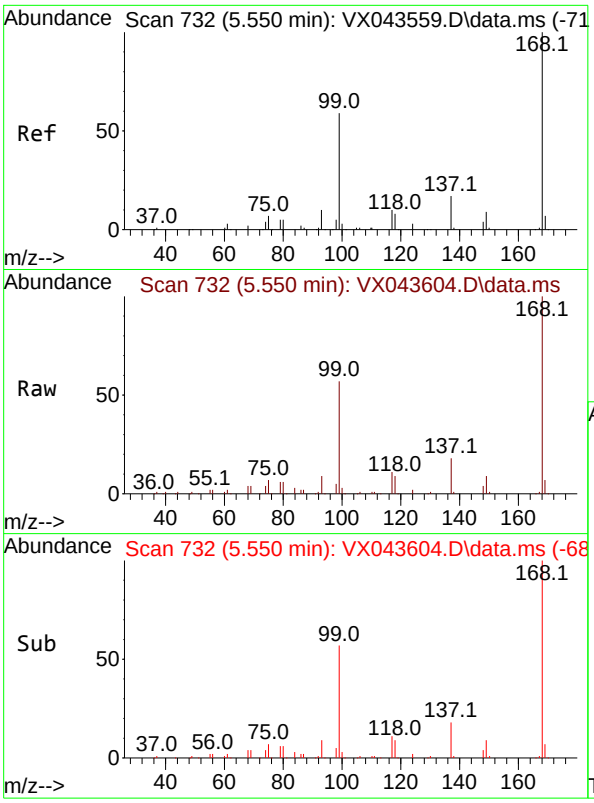
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Time: Oct 30 01:36:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



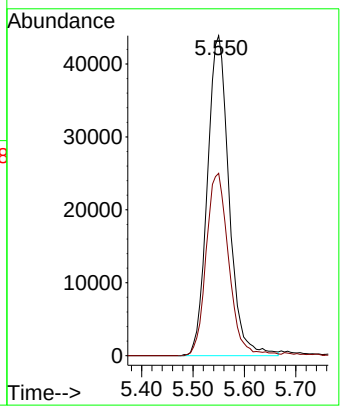


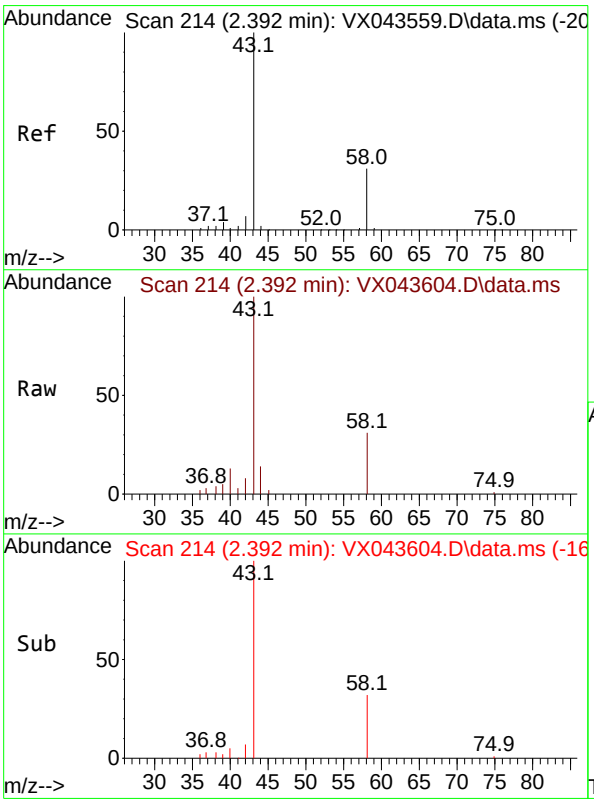
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Tgt Ion:168 Resp: 128235

Ion	Ratio	Lower	Upper
168	100		
99	57.0	52.6	78.8

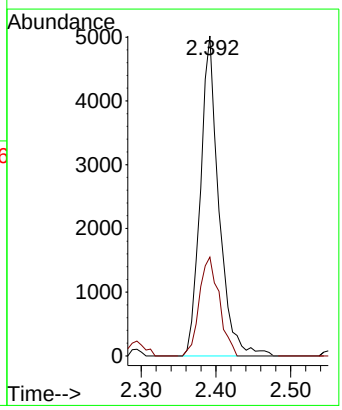


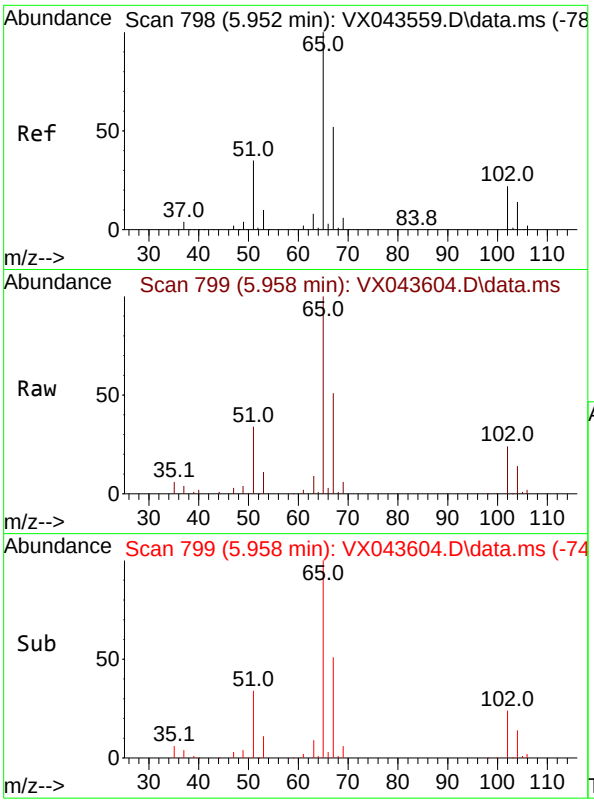


#16
Acetone
Concen: 10.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Tgt Ion: 43 Resp: 8608

Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.1	37.7



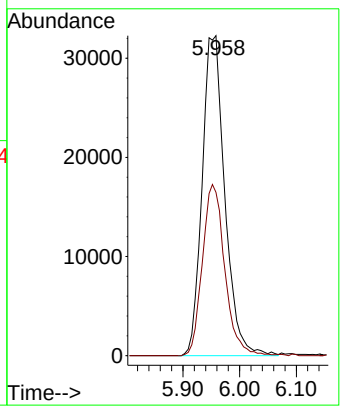


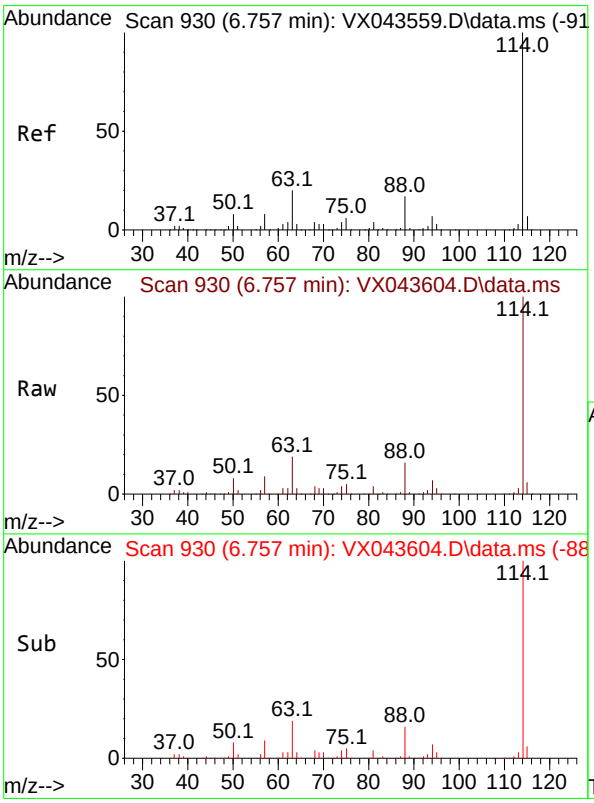
#33
1,2-Dichloroethane-d4
Concen: 43.817 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Tgt Ion: 65 Resp: 89594

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.4

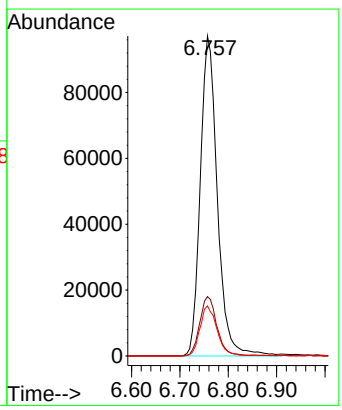


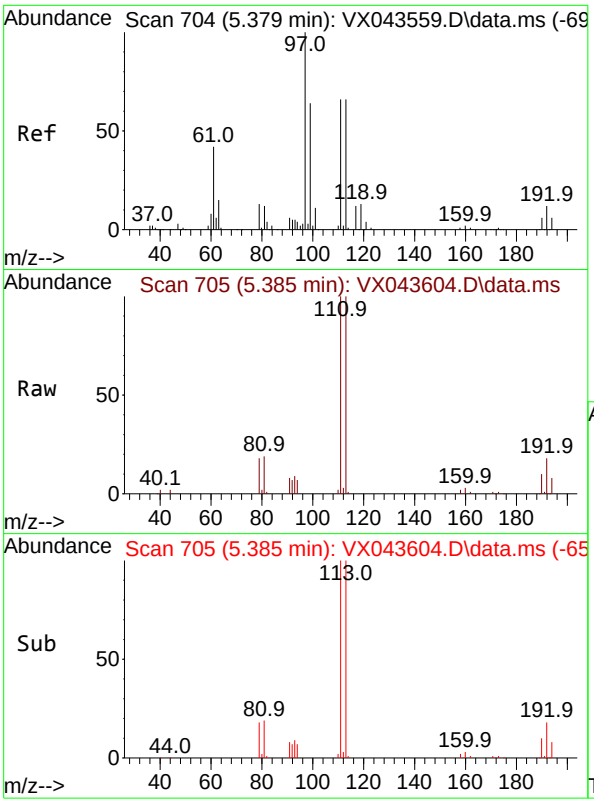


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Tgt Ion:114 Resp: 237971

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	41.2
88	15.6	0.0	34.0



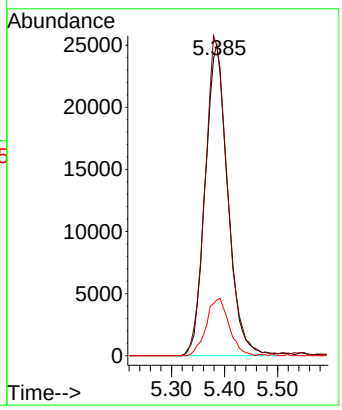


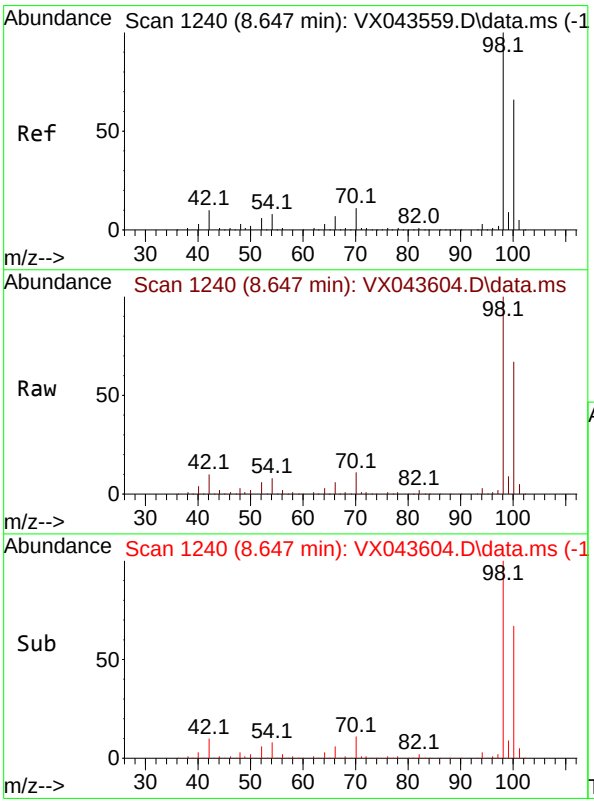
#35
Dibromofluoromethane
Concen: 45.924 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Tgt Ion:113 Resp: 74107

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.6	14.1	21.1

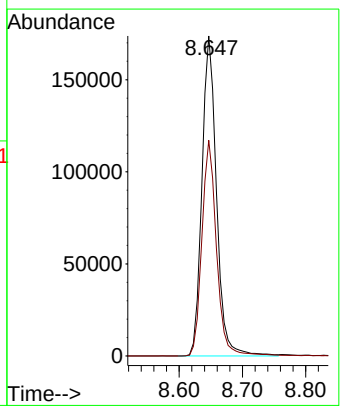


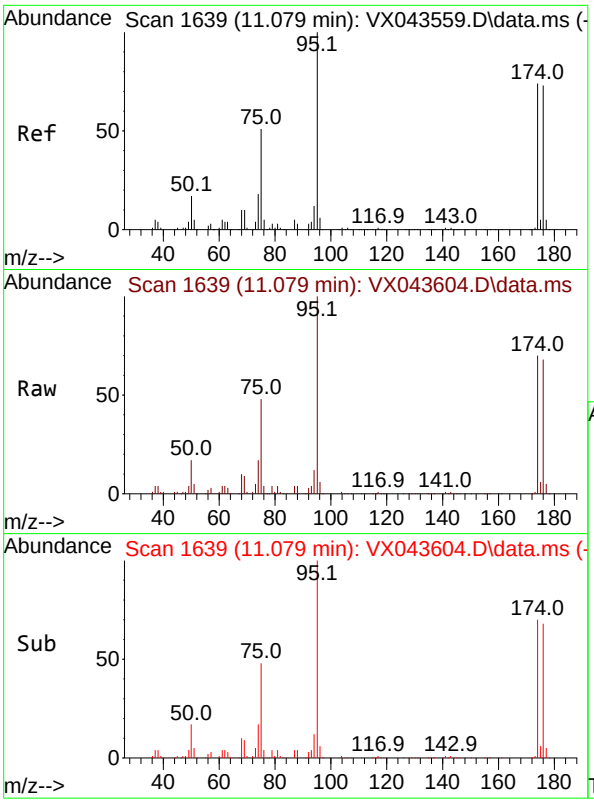


#50
Toluene-d8
Concen: 49.951 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Tgt Ion: 98 Resp: 279025

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.2



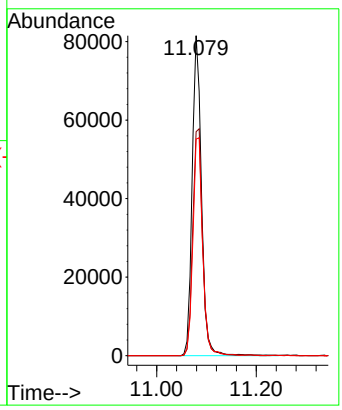


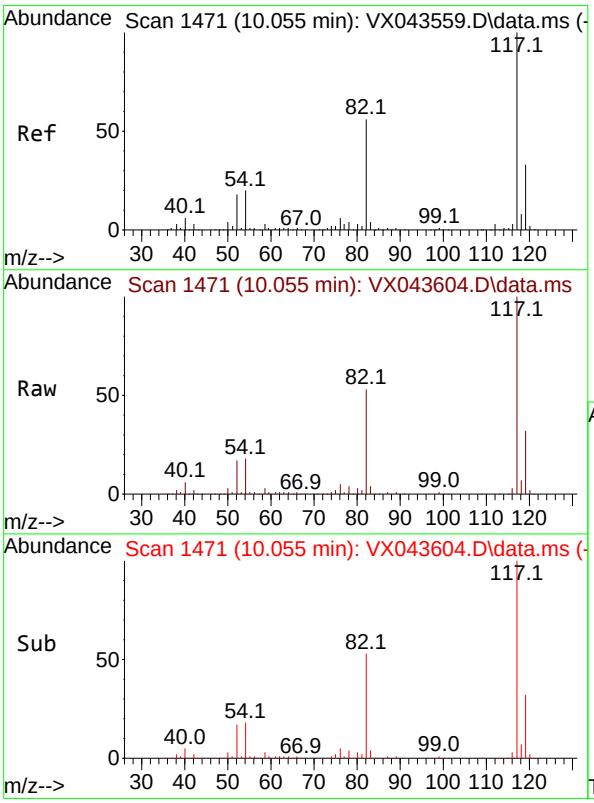
#62
4-Bromofluorobenzene
Concen: 51.189 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Tgt Ion: 95 Resp: 105956

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	71.2	0.0	139.6

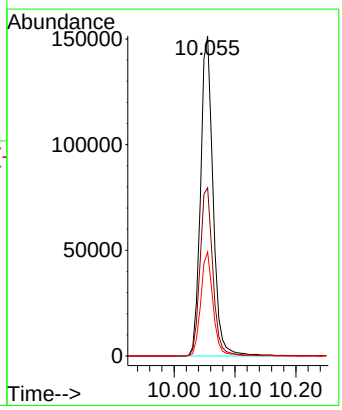


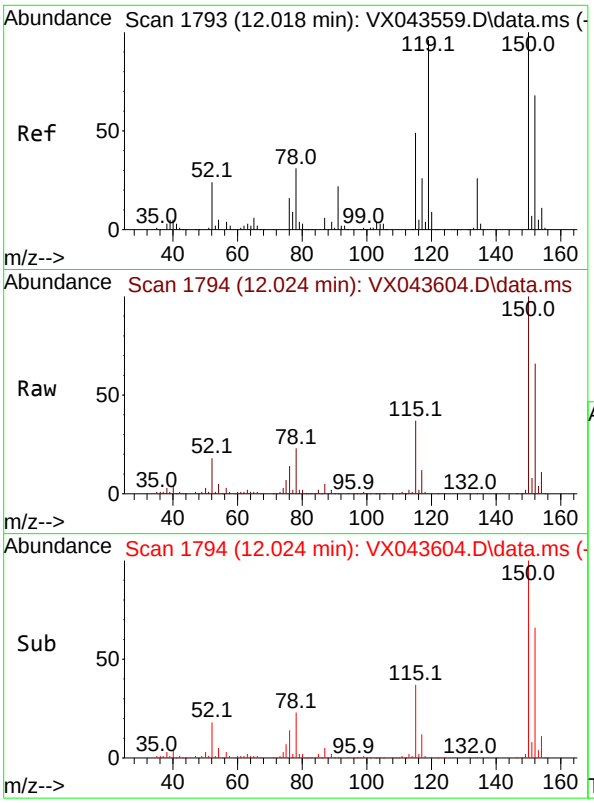


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Tgt Ion:117 Resp: 216332

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.5	25.4	38.2



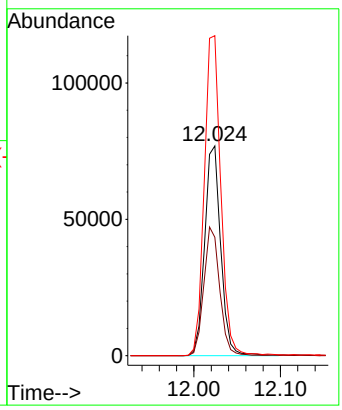


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043604.D
Acq: 29 Oct 2024 17:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Tgt Ion:152 Resp: 99219

Ion	Ratio	Lower	Upper
152	100		
115	60.5	42.9	128.7
150	157.0	0.0	343.6



Sample Results: **VX043604.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043604.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	18	rVB	35095	36173	4.96%	0.912%
2	1.240	22	25	27	rBV	9073	8631	1.18%	0.218%
3	1.374	41	47	51	rVB2	10417	17320	2.37%	0.437%
4	1.605	69	85	86	rBV4	9981	33525	4.60%	0.846%
5	2.392	209	214	222	rVB	8085	13672	1.87%	0.345%
6	3.007	308	315	323	rVB3	3387	8877	1.22%	0.224%
7	3.434	378	385	395	rVB5	4437	10053	1.38%	0.254%
8	5.385	694	705	720	rBV2	80552	240306	32.95%	6.061%
9	5.544	720	731	744	rBV	127750	371566	50.94%	9.372%
10	5.952	788	798	810	rBV	93340	252950	34.68%	6.380%
11	6.757	922	930	951	rBV	219341	529440	72.58%	13.354%
12	8.647	1234	1240	1257	rBV	449928	729414	100.00%	18.398%
13	10.055	1465	1471	1481	rBV	436749	633411	86.84%	15.977%
14	11.079	1634	1639	1655	rBV	366758	485592	66.57%	12.248%
15	12.018	1788	1793	1806	rBV	456906	593615	81.38%	14.973%

Sum of corrected areas: 3964545

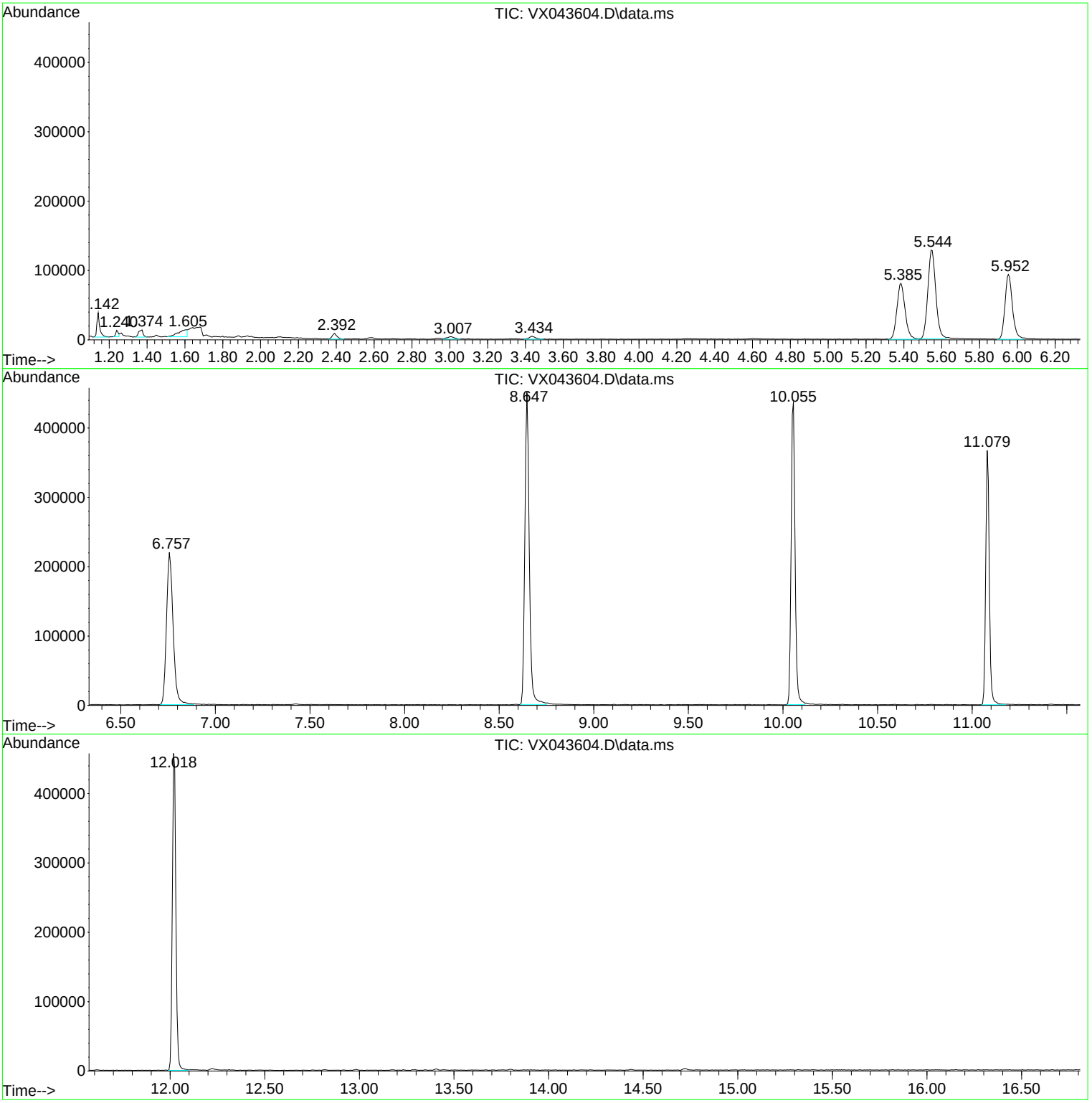
Sample Results: **VX043604.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043604.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX102924\
Data File : VX043604.D
Acq On : 29 Oct 2024 17:57
Operator : JC/MD
Sample : P4600-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-498-500

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043605.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-518-520	SDG No.:	P4600
Lab Sample ID:	P4600-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043605.D	1		10/29/24 18:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043605.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-518-520	SDG No.:	P4600
Lab Sample ID:	P4600-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043605.D	1		10/29/24 18:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.757				
3114-55-4	Chlorobenzene-d5	220000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	98000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX043605.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/28/24
Project:	CTO WE13	Date Received:	10/28/24
Client Sample ID:	BP-VPB-190-GW-518-520	SDG No.:	P4600
Lab Sample ID:	P4600-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043605.D	1		10/29/24 18:20	VX102924

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

Sample Results: **VX043605.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Time: Oct 30 01:36:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

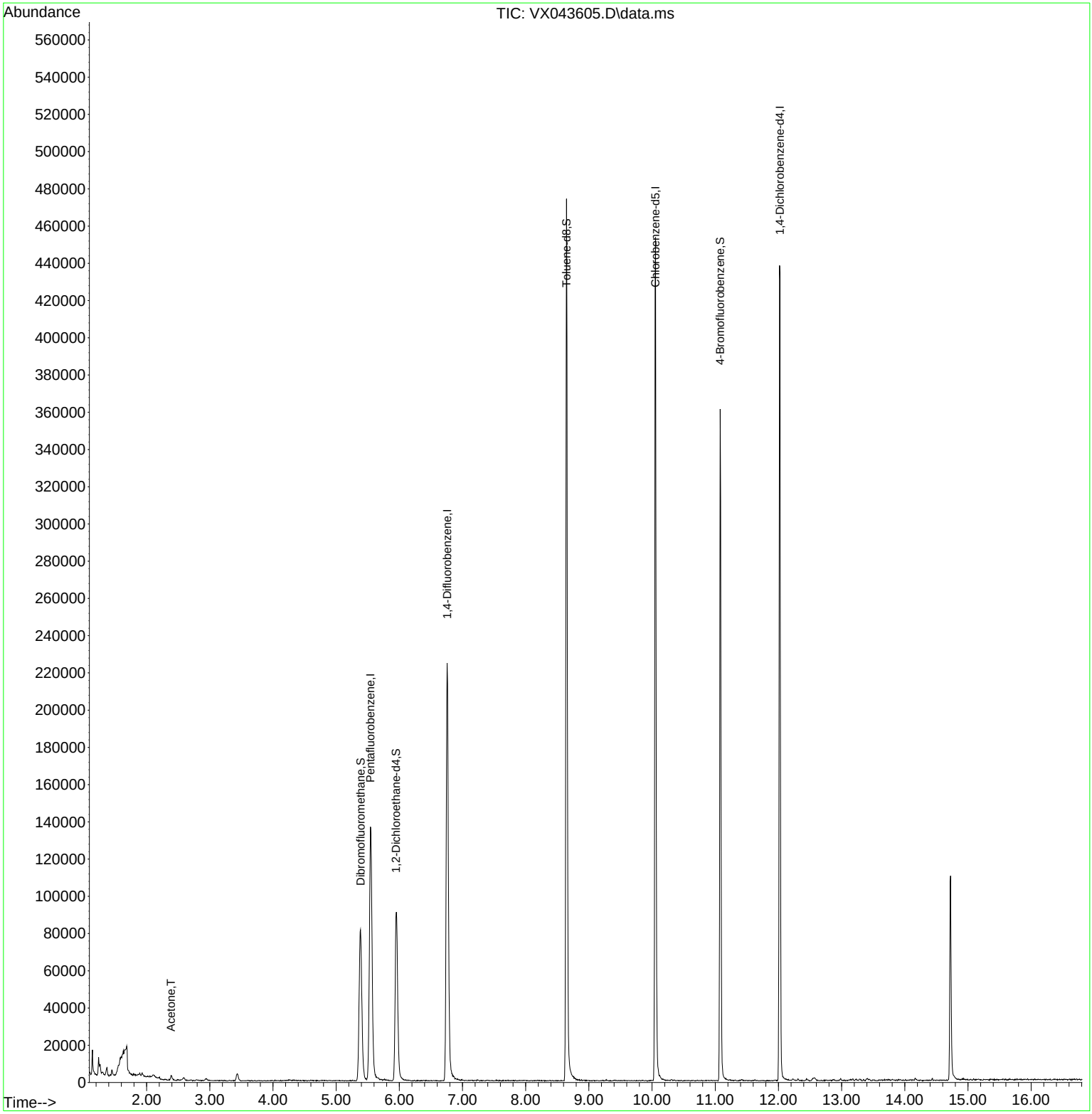
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	133601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245193	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91064	42.747	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.500%			
35) Dibromofluoromethane	5.385	113	75165	45.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.420%			
50) Toluene-d8	8.647	98	290898	50.543	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	102924	48.260	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.520%			
Target Compounds						Qvalue
16) Acetone	2.386	43	3053	3.609	ug/l	95

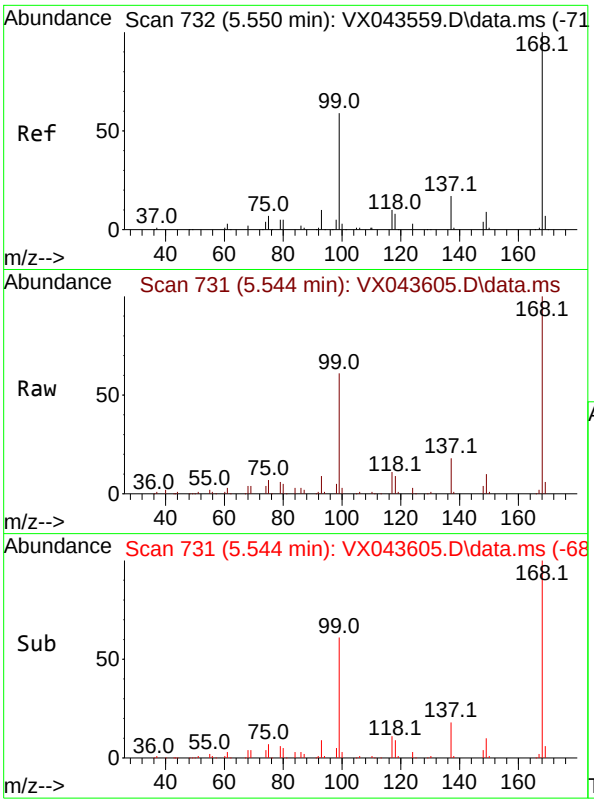
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Time: Oct 30 01:36:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



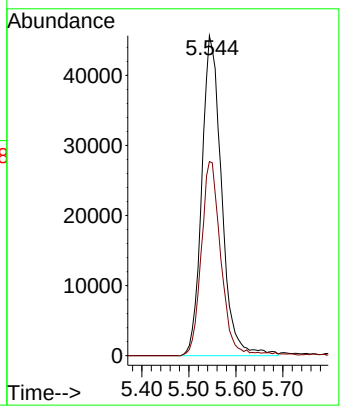


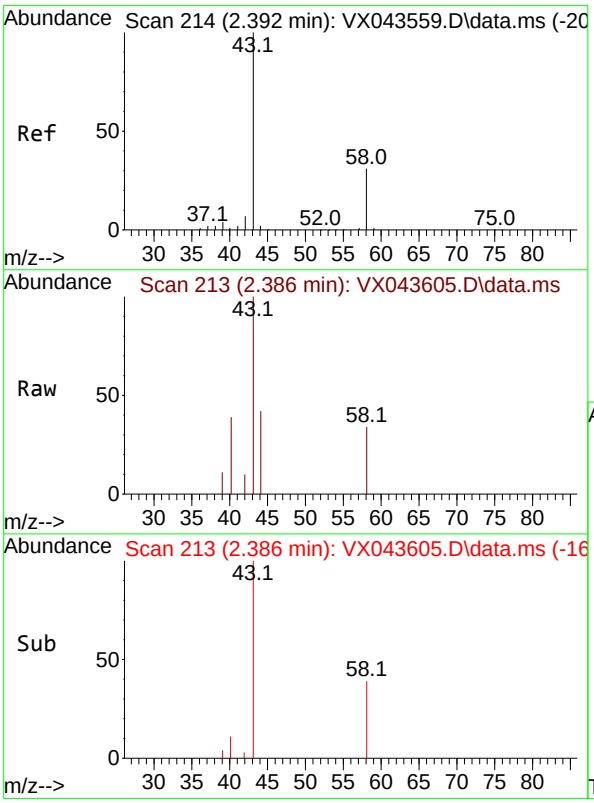
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Tgt Ion:168 Resp: 133601

Ion	Ratio	Lower	Upper
168	100		
99	60.7	52.6	78.8

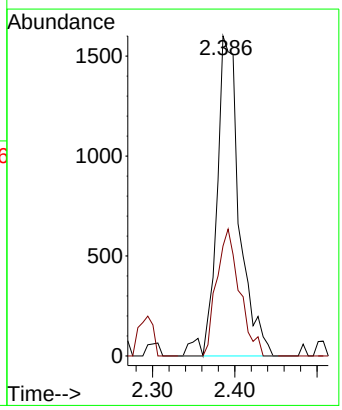


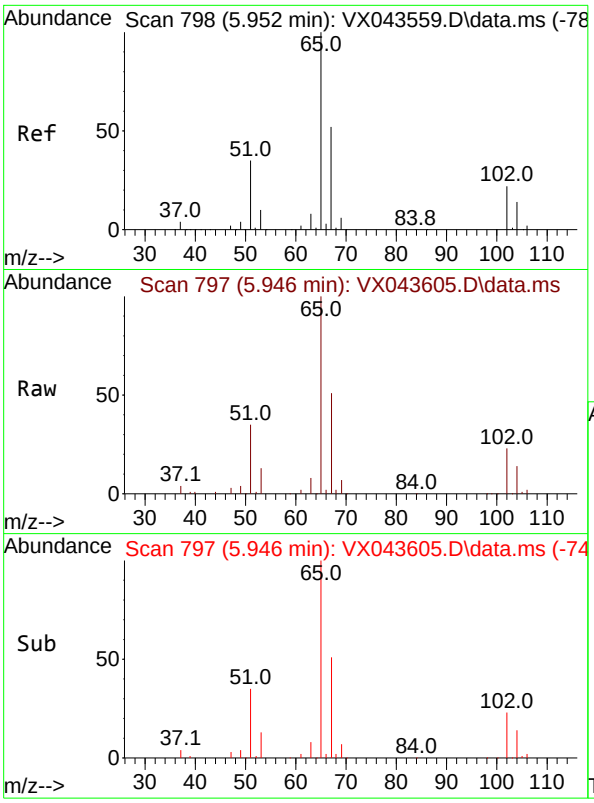


#16
Acetone
Concen: 3.609 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Tgt Ion: 43 Resp: 3053

Ion	Ratio	Lower	Upper
43	100		
58	34.4	25.1	37.7



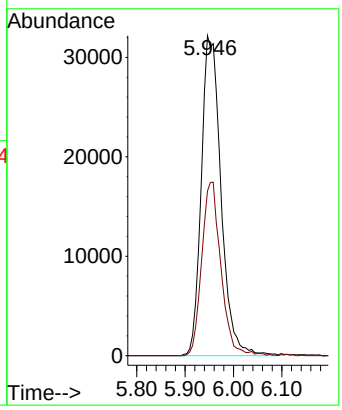


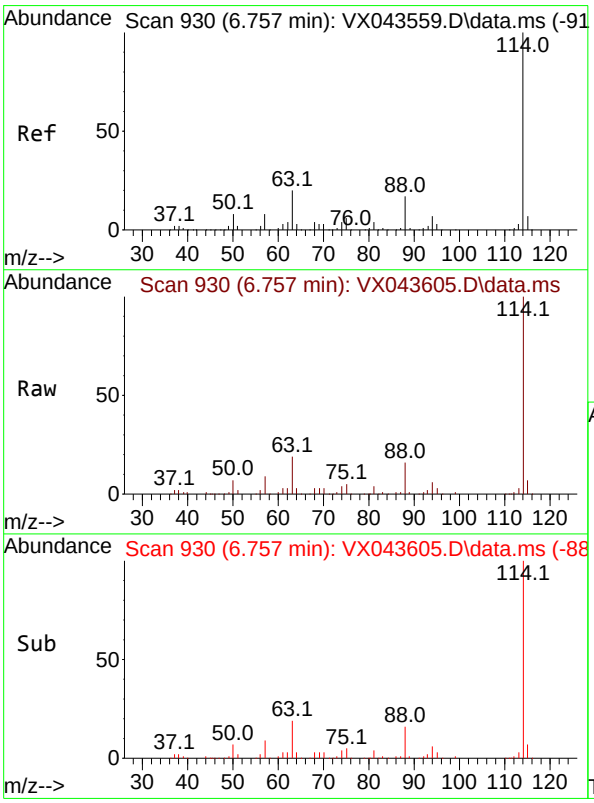
#33
1,2-Dichloroethane-d4
Concen: 42.747 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Tgt Ion: 65 Resp: 91064

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4

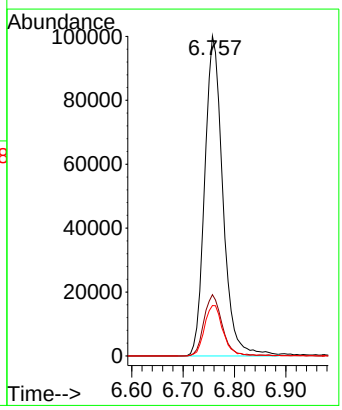


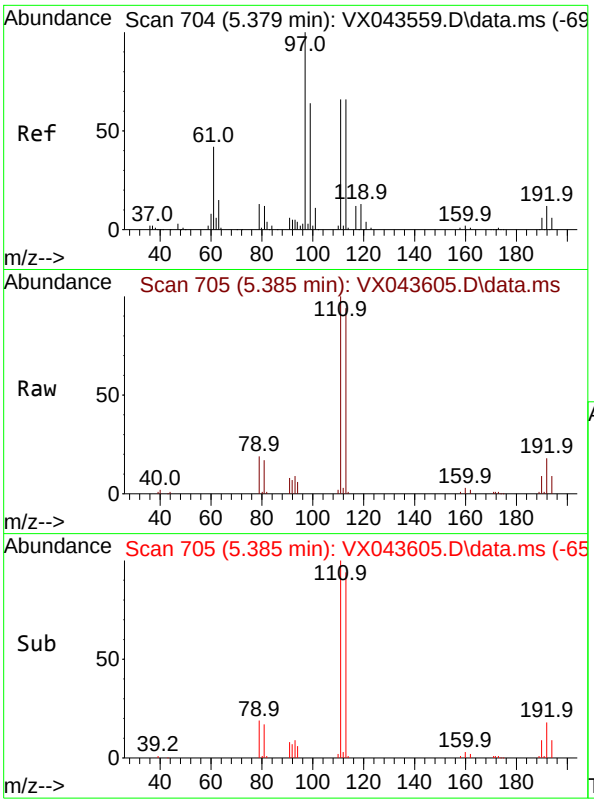


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Tgt Ion:114 Resp: 245193

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	15.7	0.0	34.0



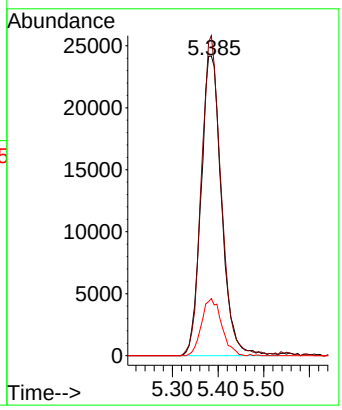


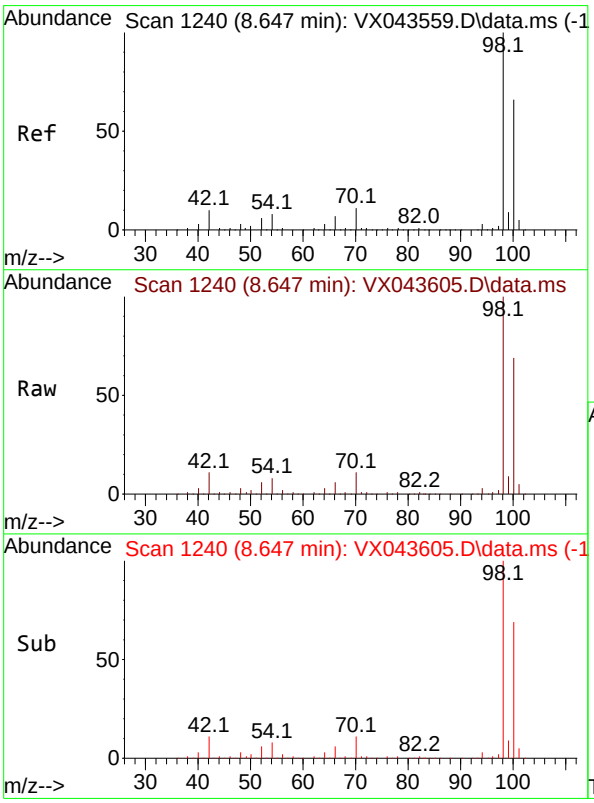
#35
Dibromofluoromethane
Concen: 45.208 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Tgt Ion:113 Resp: 75165

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	18.7	14.1	21.1

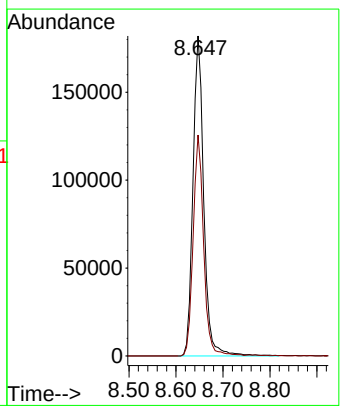


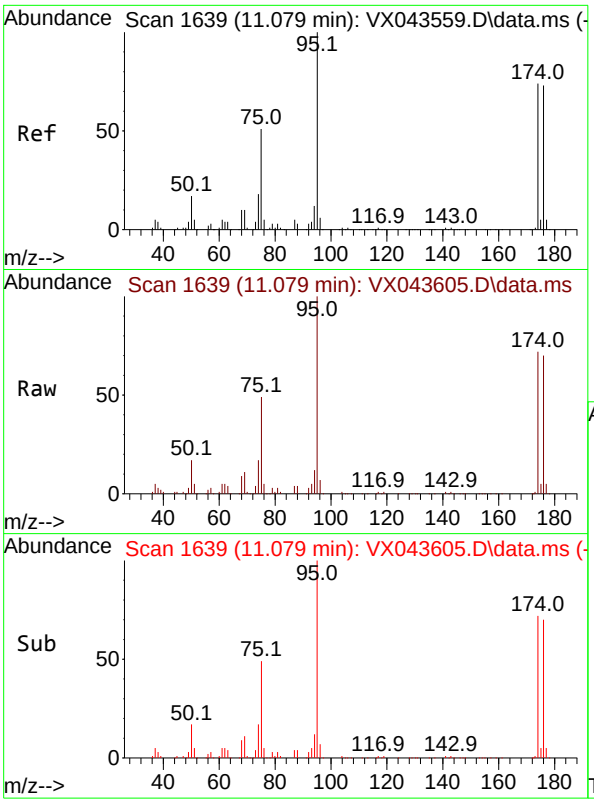


#50
Toluene-d8
Concen: 50.543 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Tgt Ion: 98 Resp: 290898

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2



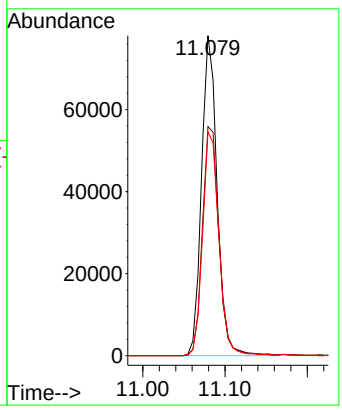


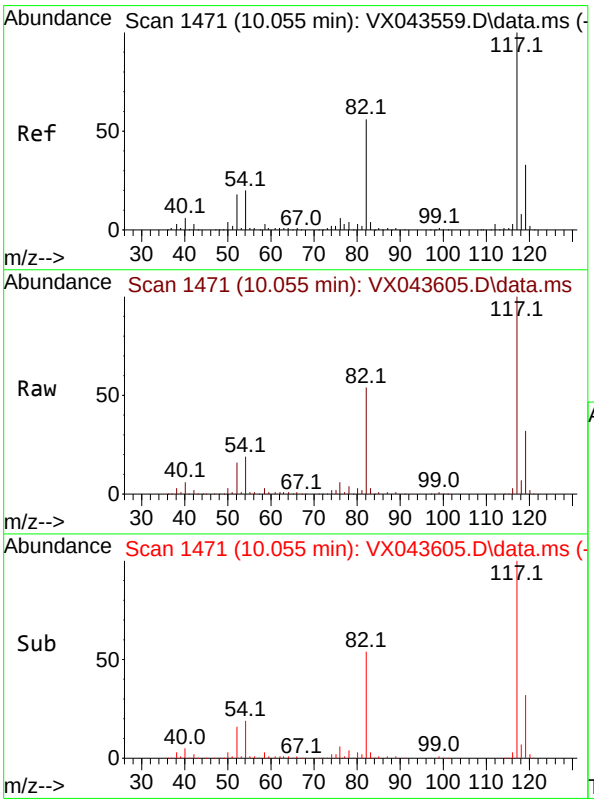
#62
4-Bromofluorobenzene
Concen: 48.260 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Tgt Ion: 95 Resp: 102924

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	146.6
176	73.0	0.0	139.6

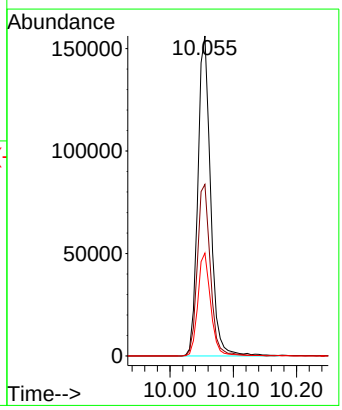


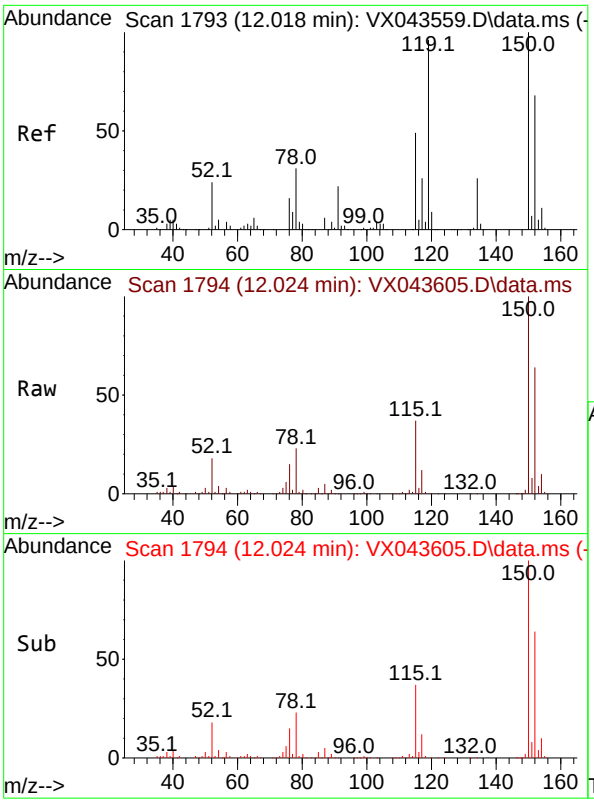


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Tgt Ion:117 Resp: 219937

Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.1	63.1
119	32.1	25.4	38.2



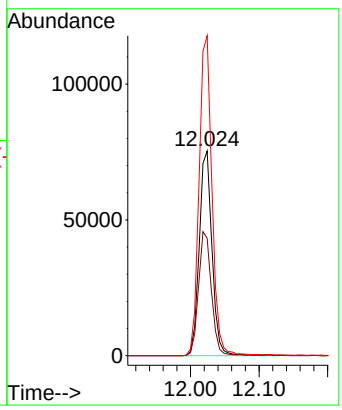


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043605.D
Acq: 29 Oct 2024 18:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Tgt Ion:152 Resp: 98034

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.9	128.7
150	157.6	0.0	343.6



Sample Results: **VX043605.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043605.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	16	rVB2	13144	13249	1.75%	0.321%
2	1.240	22	25	27	rBV	9021	9120	1.21%	0.221%
3	1.557	69	77	78	rBV5	5164	10016	1.32%	0.243%
4	1.599	78	84	85	rBV5	4610	8781	1.16%	0.213%
5	3.434	379	385	395	rVB4	3914	9541	1.26%	0.231%
6	5.385	693	705	718	rBV	81222	245445	32.45%	5.946%
7	5.544	721	731	745	rBV	135883	390958	51.68%	9.471%
8	5.952	787	798	817	rBV2	90629	254454	33.64%	6.164%
9	6.757	922	930	946	rBV	224039	549776	72.68%	13.319%
10	8.647	1234	1240	1257	rBV	473751	756438	100.00%	18.325%
11	10.055	1465	1471	1481	rBV	452965	646167	85.42%	15.654%
12	11.079	1634	1639	1653	rBV	360821	478908	63.31%	11.602%
13	12.018	1788	1793	1808	rBV	437965	585983	77.47%	14.196%
14	14.725	2231	2237	2252	rBV	109602	169015	22.34%	4.095%

Sum of corrected areas: 4127851

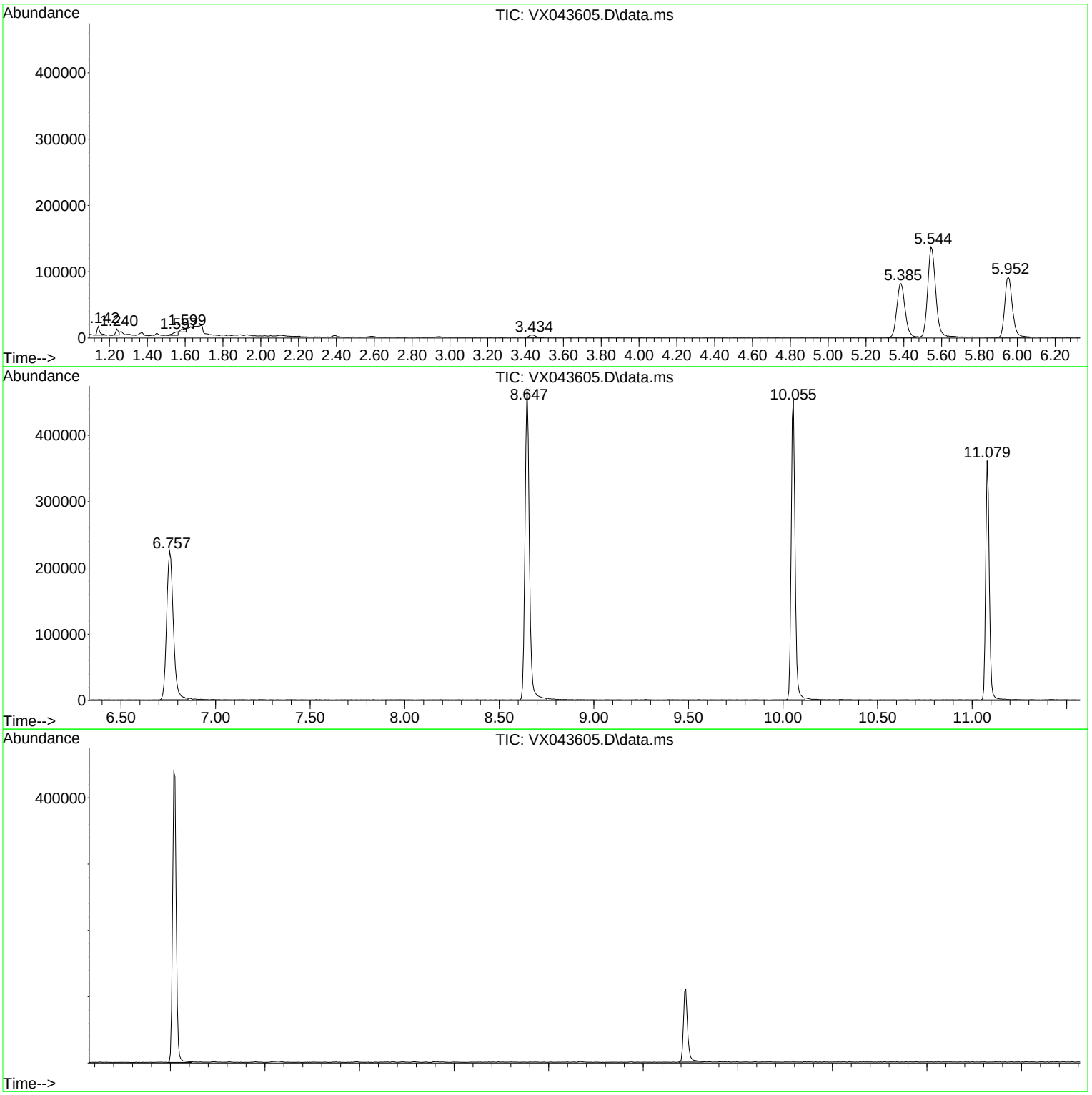
Sample Results: **VX043605.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX102924\
Data File : VX043605.D
Acq On : 29 Oct 2024 18:20
Operator : JC/MD
Sample : P4600-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190-GW-518-520

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.1
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2
Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.9
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1
1,1,2-Trichlorotrifluoroethane	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.7
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6
Methyl tert-butyl Ether	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.9
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2
trans-1,2-Dichloroethene	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3
1,1-Dichloroethane	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.6
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3
Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.9
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4
1,2-Dichloroethane	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.6
Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.4
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12
1,1,2-Trichloroethane	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.1
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3

* 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.

Raw Data

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9
Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.8
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9
1,3-Dichlorobenzene	1.645	1.695	1.647	1.646	1.654	1.548	1.639	3
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4
1,2-Dichloroethane-d4		0.902	0.794	0.785	0.771	0.735	0.797	7.9
Dibromofluoromethane		0.358	0.337	0.336	0.342	0.323	0.339	3.7
Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.8
4-Bromofluorobenzene		0.446	0.431	0.444	0.439	0.415	0.435	2.9

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

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024
Response Via : Initial Calibration

Calibration Files
1 =VX043556.D 5 =VX043557.D 20 =VX043558.D 50 =VX043559.D 100 =VX043560.D 150 =VX043561.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7.04
3)	P	Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.15
4)	C	Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.23#
5)	T	Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.91
6)	T	Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	8.96
7)	T	Trichlorofluor...	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.10
8)	T	Diethyl Ether	0.336	0.375	0.355	0.355	0.378	0.349	0.358	4.46
9)	T	1,1,2-Trichlor...	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.67
10)	T	Methyl Iodide		0.726	0.762	0.782	0.789	0.726	0.757	3.98
11)	T	Tert butyl alc...		0.131	0.131	0.156	0.170	0.155	0.149	11.43
12)	CM	1,1-Dichloroet...	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.27#
13)	T	Acrolein		0.124	0.121	0.109	0.117	0.111	0.116	5.54
14)	T	Allyl chloride	0.911	0.881	0.900	0.953	1.003	0.911	0.926	4.82
15)	T	Acrylonitrile	0.302	0.335	0.331	0.348	0.360	0.340	0.336	5.75
16)	T	Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.17
17)	T	Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.61
18)	T	Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.37
19)	T	Methyl tert-bu...	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.94
20)	T	Methylene Chlo...	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.16
21)	T	trans-1,2-Dich...	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3.01
22)	T	Diisopropyl ether	1.799	1.992	1.982	1.951	1.942	1.823	1.915	4.32
23)	T	Vinyl Acetate	1.326	1.547	1.607	1.688	1.706	1.618	1.582	8.73
24)	P	1,1-Dichloroet...	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.57
25)	T	2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.54
26)	T	2,2-Dichloropr...	0.928	0.914	0.901	0.889	0.925	0.848	0.901	3.33
27)	T	cis-1,2-Dichlo...	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.33
28)	T	Bromochloromet...	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.73
29)	T	Tetrahydrofuran	0.281	0.305	0.299	0.310	0.312	0.295	0.300	3.78
30)	C	Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.82#
31)	T	Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.26
32)	T	1,1,1-Trichlor...	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.32
33)	S	1,2-Dichloroet...		0.902	0.794	0.785	0.771	0.735	0.797	7.86
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.358	0.337	0.336	0.342	0.323	0.339	3.73
36)	T	1,1-Dichloropr...	0.451	0.396	0.408	0.388	0.400	0.369	0.402	6.88
37)	T	Ethyl Acetate	0.522	0.416	0.498	0.506	0.503	0.484	0.488	7.65
38)	T	Carbon Tetrach...	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.83
39)	T	Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.88
40)	TM	Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	3.97
41)	T	Methacrylonitrile	0.260	0.221	0.260	0.271	0.270	0.256	0.256	7.12
42)	TM	1,2-Dichloroet...	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.65
43)	T	Isopropyl Acetate	0.744	0.809	0.795	0.836	0.845	0.814	0.807	4.45
44)	TM	Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.45
45)	C	1,2-Dichloropr...	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.25#
46)	T	Dibromomethane	0.230	0.264	0.258	0.260	0.262	0.252	0.254	4.93
47)	T	Bromodichlorom...	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10.03
48)	T	Methyl methacr...	0.319	0.367	0.391	0.402	0.412	0.404	0.383	9.07
49)	T	1,4-Dioxane	0.008	0.008	0.007	0.008	0.010	0.007	0.008	13.42
50)	S	Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.76
51)	T	4-Methyl-2-Pen...	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8.04
52)	CM	Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.75#
53)	T	t-1,3-Dichloro...	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.64
54)	T	cis-1,3-Dichlo...	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12.02
55)	T	1,1,2-Trichlor...	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.05
56)	T	Ethyl methacry...	0.473	0.522	0.561	0.590	0.588	0.566	0.550	8.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102824W.M

57)	T	1,3-Dichloropr...	0.495	0.577	0.589	0.590	0.576	0.551	0.563	6.42
58)	T	2-Chloroethyl ...	0.232	0.257	0.287	0.268	0.279	0.275	0.266	7.34
59)	T	2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.33
60)	T	Dibromochlorom...	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.42
61)	T	1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.81
62)	S	4-Bromofluorob...		0.446	0.431	0.444	0.439	0.415	0.435	2.92
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.83
65)	PM	Chlorobenzene	1.098	1.110	1.082	1.075	1.081	1.007	1.076	3.34
66)	T	1,1,1,2-Tetrac...	0.301	0.345	0.350	0.372	0.381	0.359	0.351	8.05
67)	C	Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.48#
68)	T	m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.21
69)	T	o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.20
70)	T	Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.75
71)	P	Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.91
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.80
74)	T	N-amyl acetate	1.647	1.710	1.736	1.773	1.779	1.708	1.725	2.83
75)	P	1,1,2,2-Tetrac...	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.86
76)	T	1,2,3-Trichlor...	0.928	1.210	1.166	1.071	1.043	0.996	1.069	9.83
77)	T	Bromobenzene	0.922	0.945	0.926	0.925	0.922	0.847	0.915	3.74
78)	T	n-propylbenzene	3.678	3.819	4.066	3.986	3.987	3.635	3.862	4.63
79)	T	2-Chlorotoluene	2.723	2.677	2.652	2.517	2.499	2.296	2.561	6.15
80)	T	1,3,5-Trimethy...	2.761	3.105	3.117	3.038	2.984	2.714	2.953	5.91
81)	T	trans-1,4-Dich...		0.290	0.356	0.418	0.447	0.432	0.389	16.71
82)	T	4-Chlorotoluene	2.951	2.921	2.942	2.892	2.887	2.652	2.874	3.88
83)	T	tert-Butylbenzene	2.885	3.100	3.149	3.041	3.068	2.777	3.003	4.73
84)	T	1,2,4-Trimethy...	2.780	3.111	3.187	3.099	3.051	2.829	3.010	5.50
85)	T	sec-Butylbenzene	3.295	3.559	3.718	3.642	3.604	3.304	3.520	5.09
86)	T	p-Isopropyltol...	2.741	2.984	3.123	3.121	3.138	2.847	2.992	5.58
87)	T	1,3-Dichlorobe...	1.645	1.695	1.647	1.646	1.654	1.548	1.639	2.97
88)	T	1,4-Dichlorobe...	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.14
89)	T	n-Butylbenzene	2.117	2.230	2.516	2.614	2.687	2.467	2.438	9.10
90)	T	Hexachloroethane	0.408	0.421	0.476	0.519	0.560	0.533	0.486	12.77
91)	T	1,2-Dichlorobe...	1.638	1.735	1.697	1.726	1.675	1.586	1.676	3.38
92)	T	1,2-Dibromo-3-...	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.53
93)	T	1,2,4-Trichlor...	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.27
94)	T	Hexachlorobuta...	0.392	0.367	0.378	0.373	0.391	0.351	0.375	4.13
95)	T	Naphthalene	3.249	3.742	4.006	4.126	4.229	4.007	3.893	9.12
96)	T	1,2,3-Trichlor...	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.25

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	161665	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	295688	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	253619	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113521	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	1906	1.058	ug/l		96
3) Chloromethane	1.294	50	2572	1.119	ug/l		94
4) Vinyl Chloride	1.374	62	2023	0.966	ug/l	#	85
6) Chloroethane	1.666	64	850	1.240	ug/l		90
7) Trichlorofluoromethane	1.861	101	2660	0.968	ug/l		95
8) Diethyl Ether	2.136	74	1086	0.905	ug/l		62
9) 1,1,2-Trichlorotrifluo...	2.313	101	1687	0.972	ug/l		97
12) 1,1-Dichloroethene	2.300	96	1723	1.010	ug/l	#	80
14) Allyl chloride	2.654	41	2945	0.973	ug/l		98
15) Acrylonitrile	3.081	53	4889	4.029	ug/l		96
16) Acetone	2.392	43	5896	5.386	ug/l		98
17) Carbon Disulfide	2.495	76	3450	0.977	ug/l		95
18) Methyl Acetate	2.709	43	3137	0.954	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	6442	0.971	ug/l		99
20) Methylene Chloride	2.788	84	2497	1.167	ug/l		84
21) trans-1,2-Dichloroethene	3.087	96	1808	0.979	ug/l		88
22) Diisopropyl ether	3.776	45	5818	0.931	ug/l		97
23) Vinyl Acetate	3.727	43	21436	4.154	ug/l		98
24) 1,1-Dichloroethane	3.599	63	3565	1.012	ug/l	#	91
25) 2-Butanone	4.593	43	6900	4.150	ug/l		100
26) 2,2-Dichloropropane	4.465	77	3002	1.182	ug/l		94
27) cis-1,2-Dichloroethene	4.489	96	2288	0.994	ug/l		95
28) Bromochloromethane	4.897	49	1656	0.950	ug/l	#	68
29) Tetrahydrofuran	5.032	42	4543	4.185	ug/l	#	84
30) Chloroform	5.093	83	3785	1.005	ug/l	#	81
32) 1,1,1-Trichloroethane	5.373	97	3037	0.959	ug/l	#	48
36) 1,1-Dichloropropene	5.702	75	2670	1.146	ug/l		91
37) Ethyl Acetate	4.757	43	3086m	0.970	ug/l		
38) Carbon Tetrachloride	5.660	117	2731	1.031	ug/l		98
39) Methylcyclohexane	7.379	83	2811	0.941	ug/l	#	87
40) Benzene	6.050	78	7896	1.014	ug/l		97
41) Methacrylonitrile	4.995	41	1539m	0.962	ug/l		
42) 1,2-Dichloroethane	6.098	62	2692	0.939	ug/l		95
43) Isopropyl Acetate	6.367	43	4398	0.874	ug/l		96
44) Trichloroethene	7.135	130	1898	1.028	ug/l		70
45) 1,2-Dichloropropane	7.428	63	1935	1.017	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	1360	0.931	ug/l		88
47) Bromodichloromethane	7.824	83	2234	0.862	ug/l	#	95
48) Methyl methacrylate	7.708	41	1889	0.804	ug/l	#	84
49) 1,4-Dioxane	7.696	88	959	15.892	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.580	43	12287	3.855	ug/l		97
52) Toluene	8.720	92	4396	0.915	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	2487	0.948	ug/l		90
54) cis-1,3-Dichloropropene	8.366	75	2324	0.807	ug/l	#	87
55) 1,1,2-Trichloroethane	9.159	97	1879	0.927	ug/l	#	85
56) Ethyl methacrylate	9.128	69	2799	0.855	ug/l		92
57) 1,3-Dichloropropane	9.311	76	2929	0.875	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	6868	4.263	ug/l		93
59) 2-Hexanone	9.445	43	9840	4.082	ug/l		93
60) Dibromochloromethane	9.519	129	1531	0.807	ug/l		92
61) 1,2-Dibromoethane	9.616	107	1856	0.908	ug/l		98
64) Tetrachloroethene	9.275	164	1707	1.075	ug/l	#	82
65) Chlorobenzene	10.079	112	5570	1.056	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1525	0.856	ug/l	#	60
67) Ethyl Benzene	10.195	91	8911	1.015	ug/l		95
68) m/p-Xylenes	10.305	106	6344	1.908	ug/l		96
69) o-Xylene	10.640	106	3125	0.914	ug/l		91
70) Styrene	10.659	104	5108	0.923	ug/l		95
71) Bromoform	10.805	173	1032	0.859	ug/l	#	94
73) Isopropylbenzene	10.963	105	7996	0.985	ug/l		100
74) N-amyl acetate	10.848	43	3739	0.915	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	2747	0.884	ug/l		99
76) 1,2,3-Trichloropropane	11.244	75	2108m	0.799	ug/l		
77) Bromobenzene	11.201	156	2093	1.010	ug/l		98
78) n-propylbenzene	11.305	91	8350	0.966	ug/l		98
79) 2-Chlorotoluene	11.366	91	6183	1.066	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	6268	0.930	ug/l		98
82) 4-Chlorotoluene	11.457	91	6699	1.043	ug/l		95
83) tert-Butylbenzene	11.713	119	6551	0.953	ug/l		94
84) 1,2,4-Trimethylbenzene	11.756	105	6312	0.916	ug/l		95
85) sec-Butylbenzene	11.890	105	7481	0.940	ug/l		99
86) p-Isopropyltoluene	12.012	119	6224	0.944	ug/l		95
87) 1,3-Dichlorobenzene	11.969	146	3734	1.005	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	4352m	1.162	ug/l		
89) n-Butylbenzene	12.335	91	4807	0.899	ug/l		93
90) Hexachloroethane	12.530	117	926	0.868	ug/l		82
91) 1,2-Dichlorobenzene	12.335	146	3719	0.970	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	519	0.785	ug/l		89
93) 1,2,4-Trichlorobenzene	13.591	180	1965	0.876	ug/l		96
94) Hexachlorobutadiene	13.725	225	889	1.119	ug/l		86
95) Naphthalene	13.780	128	7377	0.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	2215	0.943	ug/l		96

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

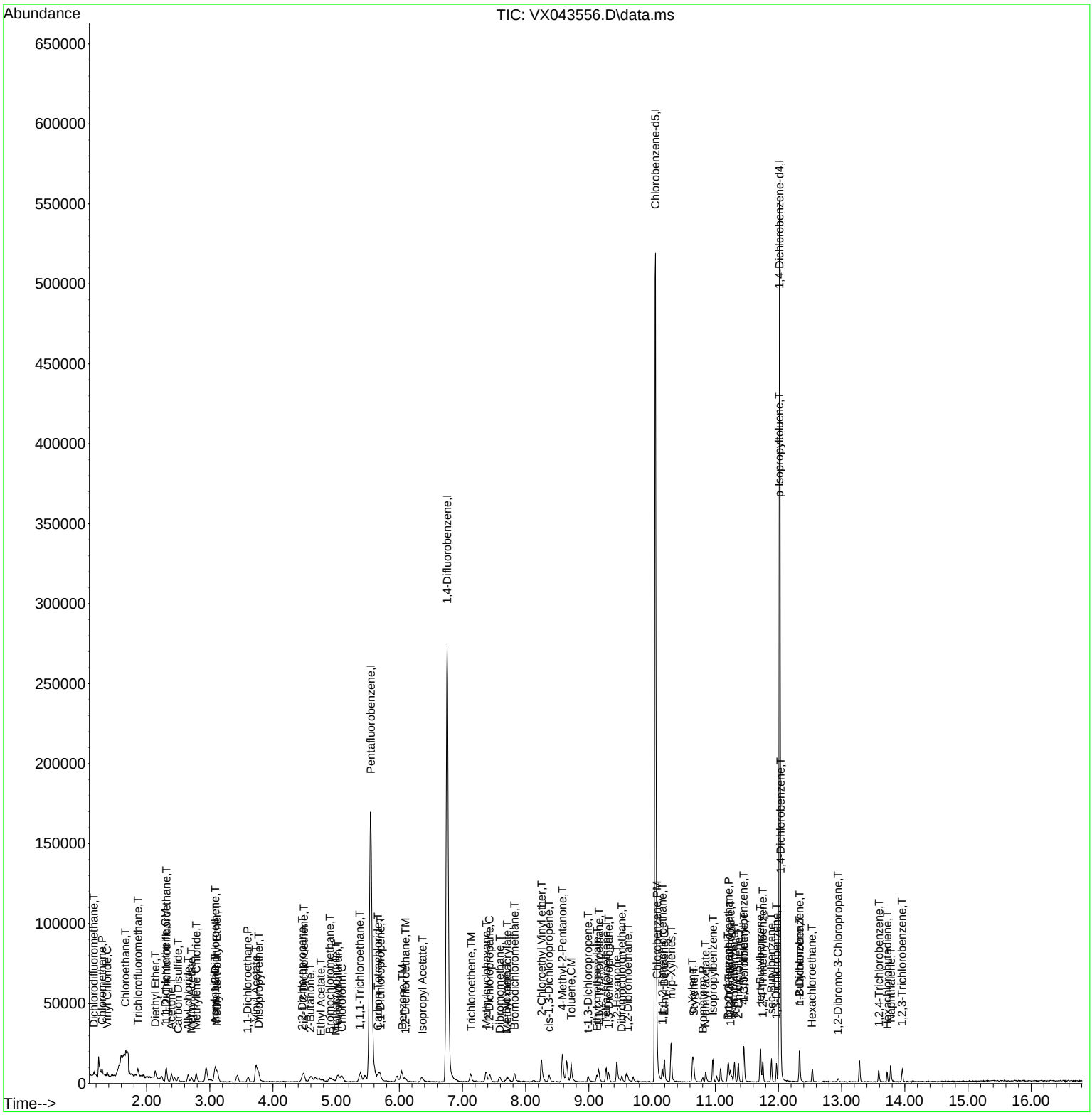
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

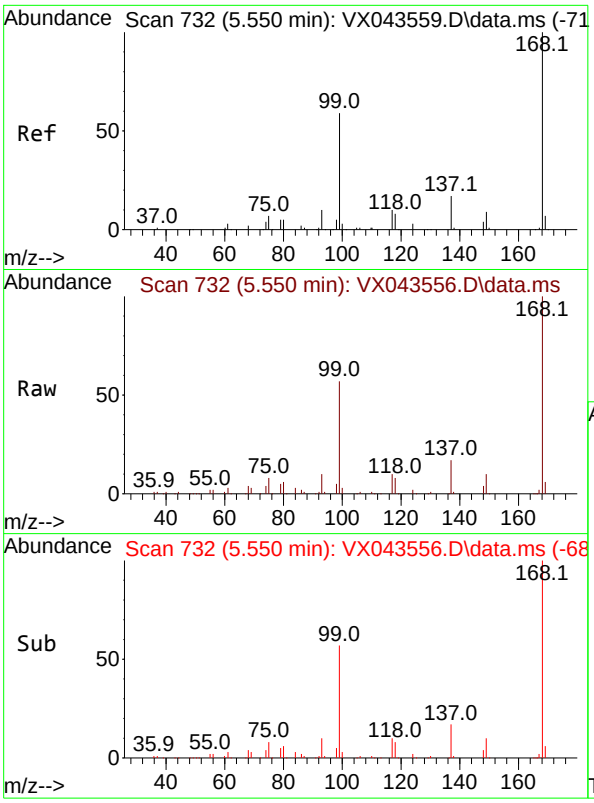
Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

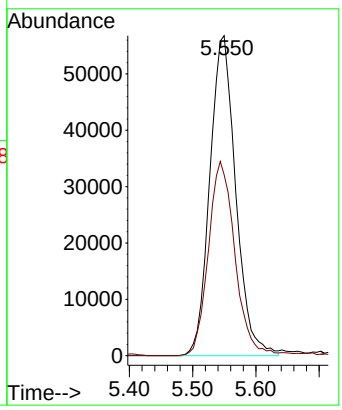




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:168 Resp: 16166

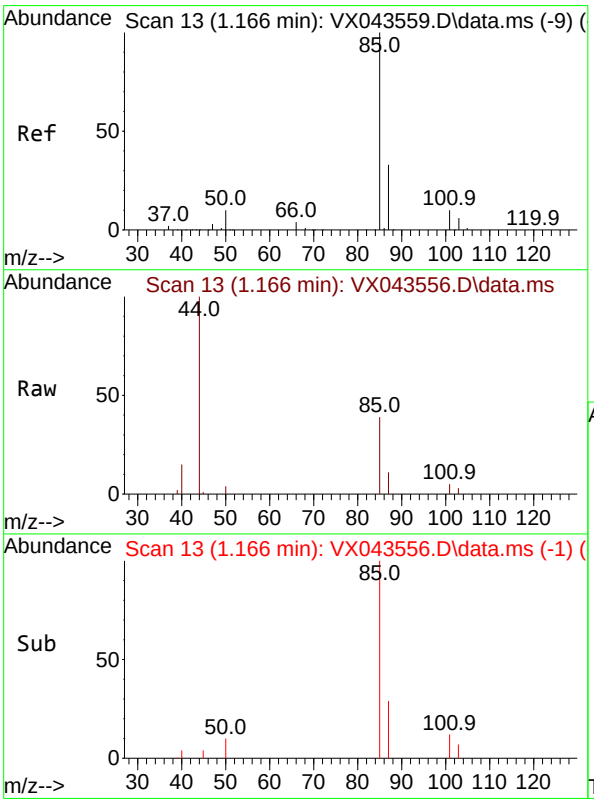
Ion	Ratio	Lower	Upper
168	100		
99	56.5	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

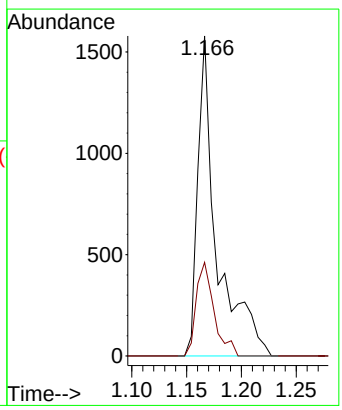
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

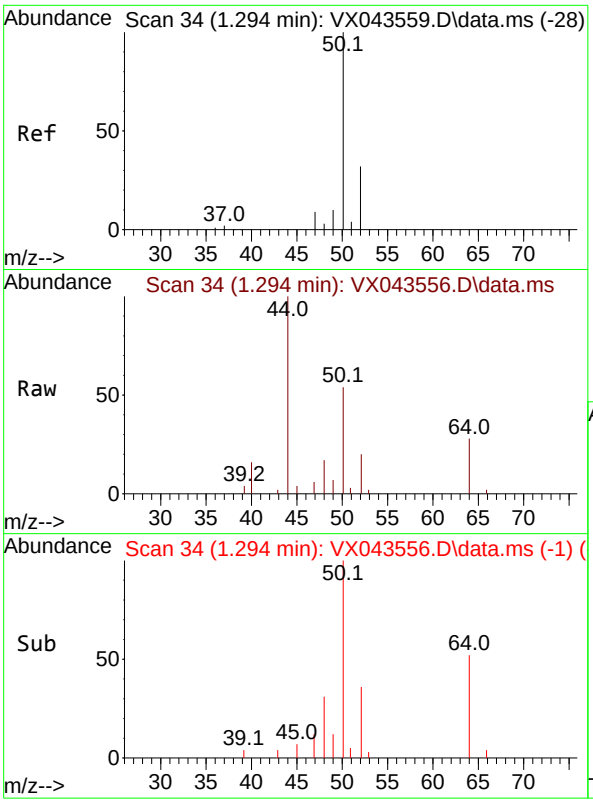


#2
Dichlorodifluoromethane
Concen: 1.058 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 85 Resp: 1906

Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.7	47.0

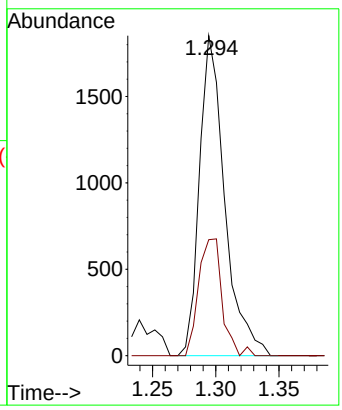




#3
Chloromethane
Concen: 1.119 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 50 Resp: 257

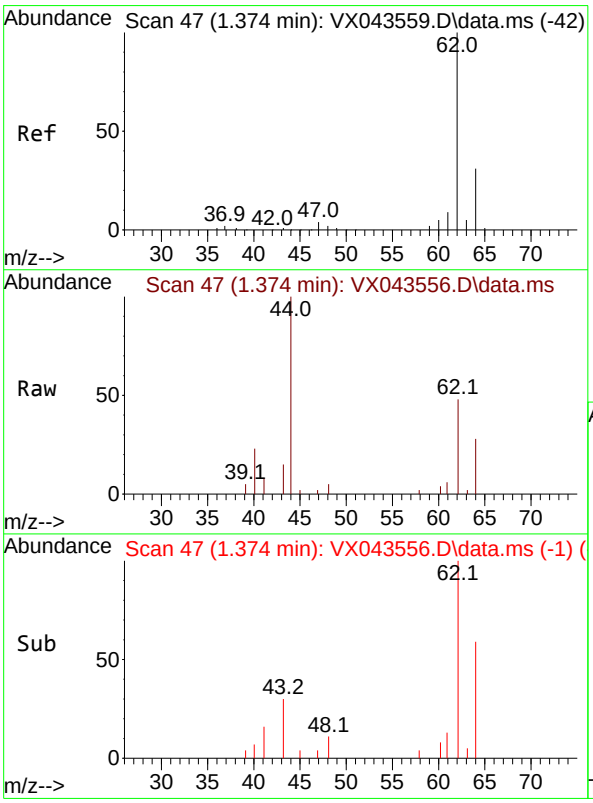
Ion	Ratio	Lower	Upper
50	100		
52	36.2	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

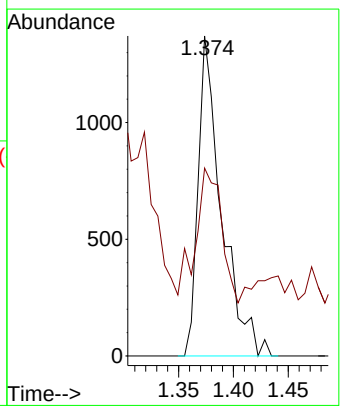
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

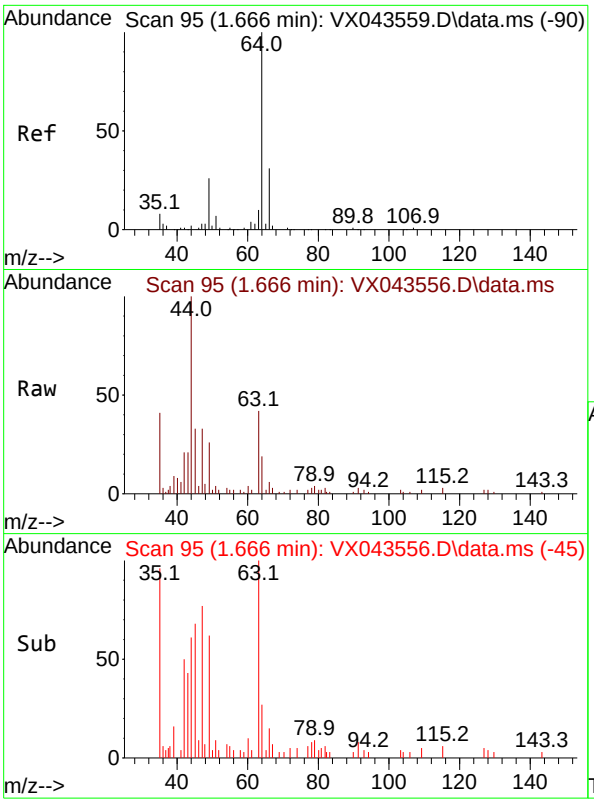


#4
Vinyl Chloride
Concen: 0.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 62 Resp: 2023

Ion	Ratio	Lower	Upper
62	100		
64	39.7	25.0	37.4#

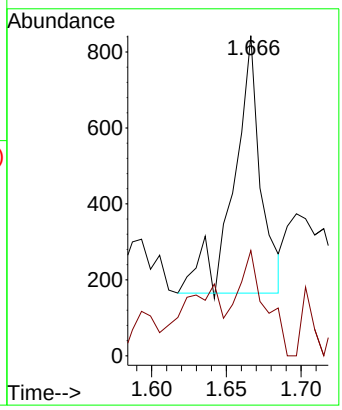




#6
Chloroethane
Concen: 1.240 ug/l
RT: 1.666 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 64 Resp: 85

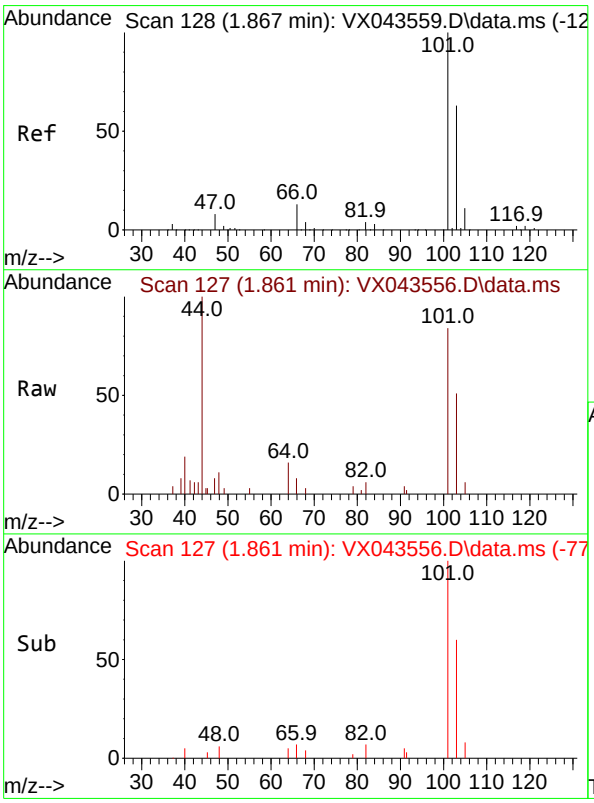
Ion	Ratio	Lower	Upper
64	100		
66	26.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

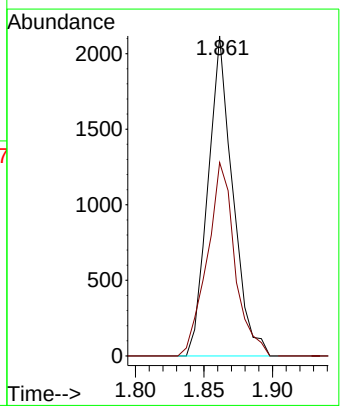
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

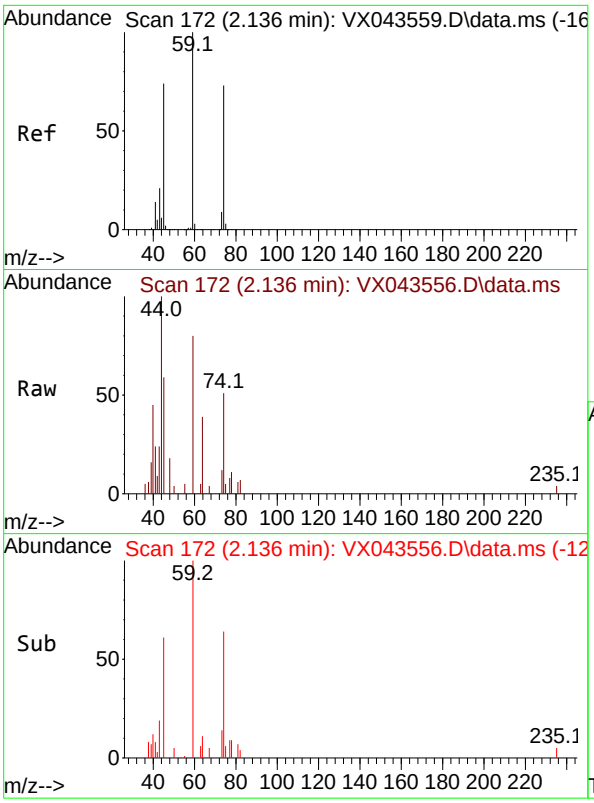


#7
Trichlorofluoromethane
Concen: 0.968 ug/l
RT: 1.861 min Scan# 127
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:101 Resp: 2660

Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.3	76.9





#8
Diethyl Ether
Concen: 0.905 ug/l
RT: 2.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

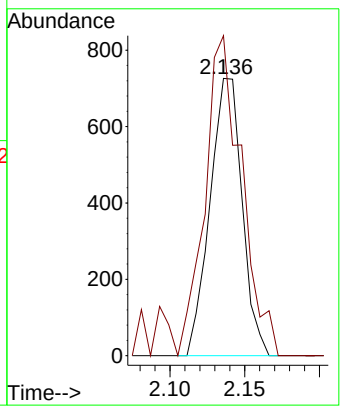
Tgt Ion: 74 Resp: 108

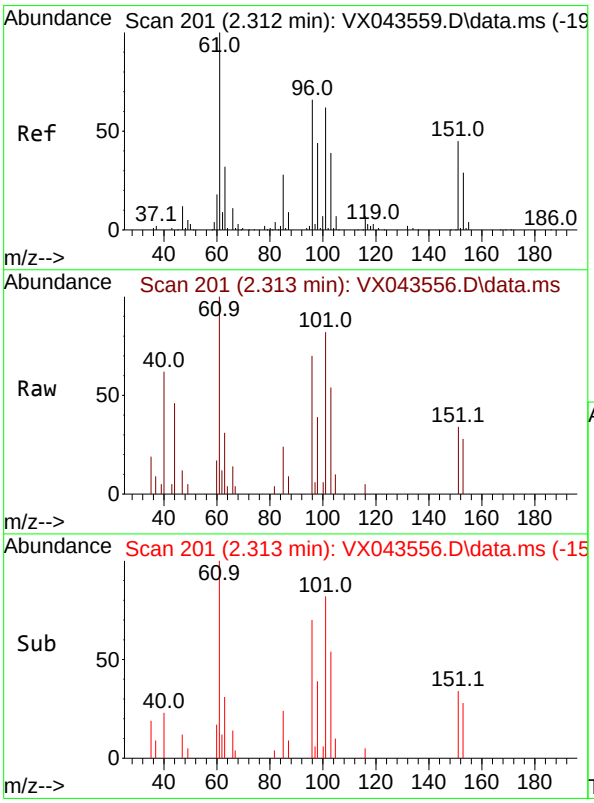
Ion	Ratio	Lower	Upper
74	100		
45	131.6	47.5	142.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

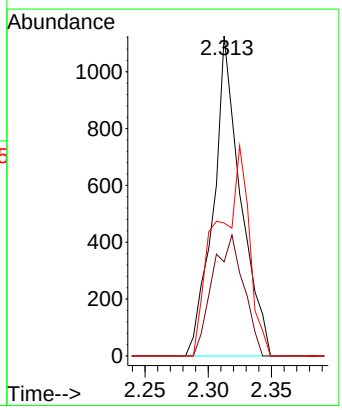


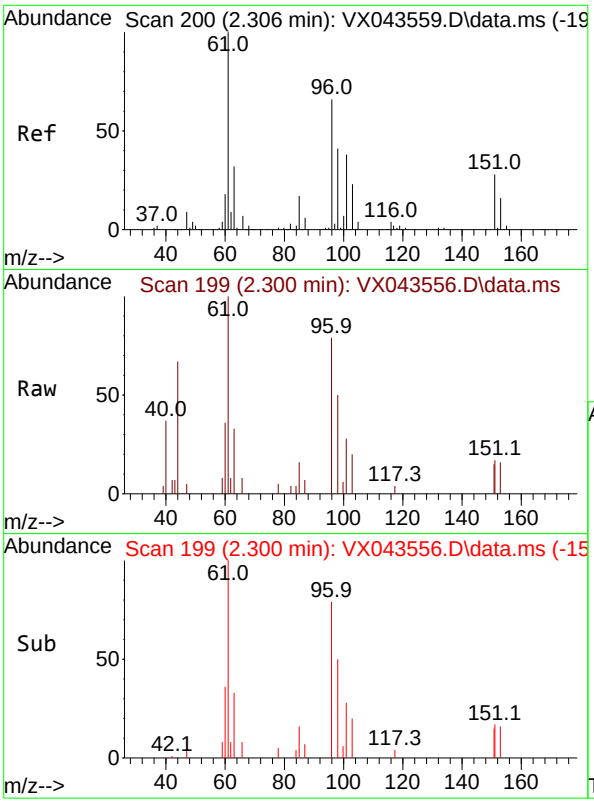


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.972 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:101 Resp: 1687

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.5	51.7
151	76.9	58.2	87.2

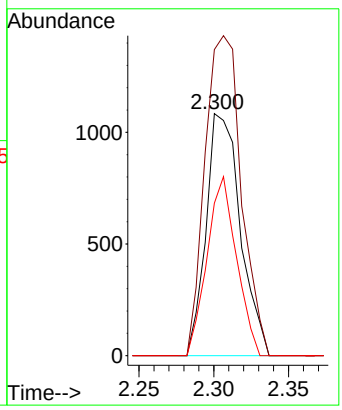




#12
1,1-Dichloroethene
Concen: 1.010 ug/l
RT: 2.300 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 96 Resp: 172

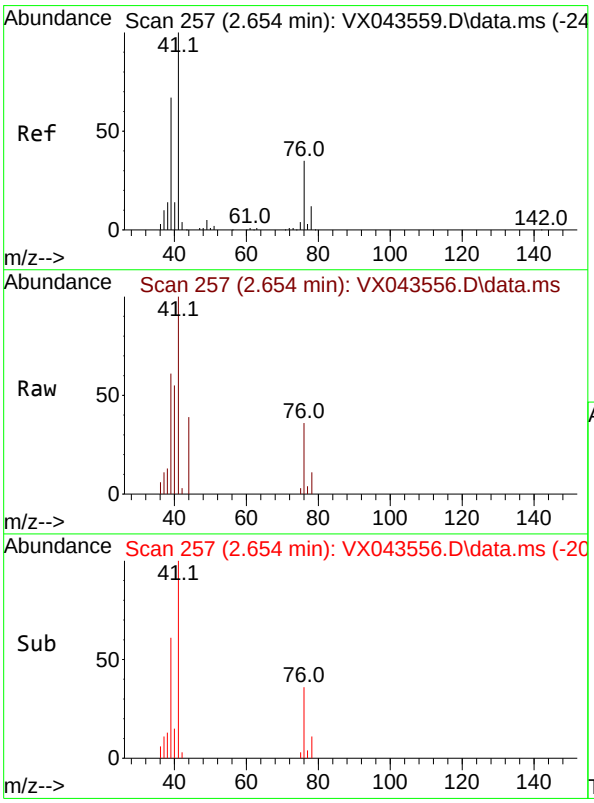
Ion	Ratio	Lower	Upper
96	100		
61	126.5	130.2	195.4
98	63.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

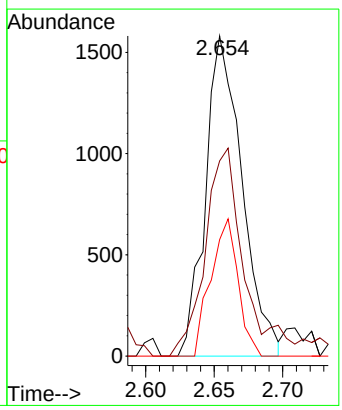
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

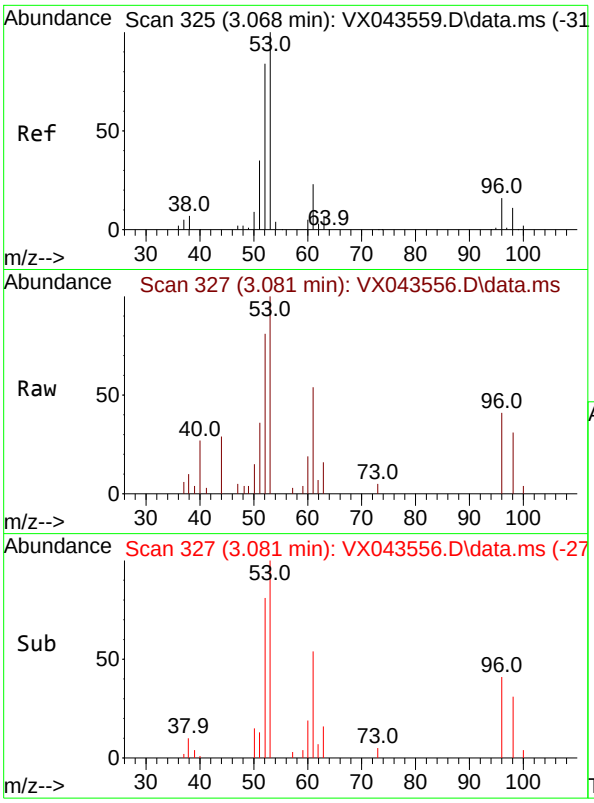


#14
Allyl chloride
Concen: 0.973 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 41 Resp: 2945

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.2	79.8
76	31.9	27.0	40.6

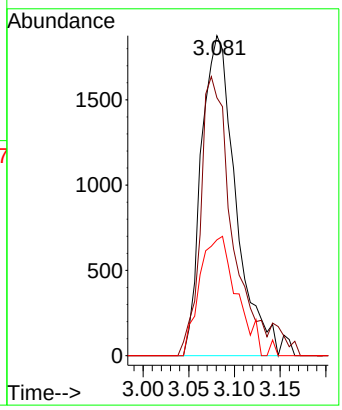




#15
Acrylonitrile
Concen: 4.029 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 53 Resp: 488

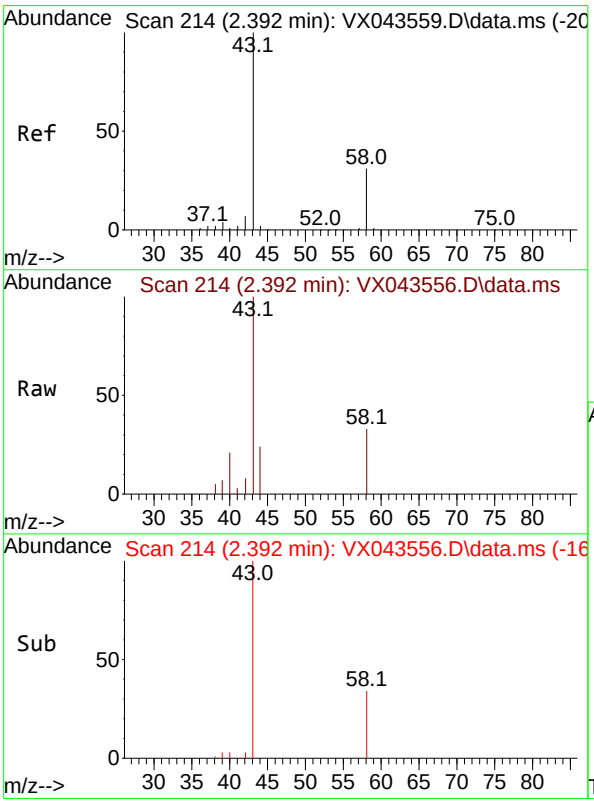
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.8	98.6
51	40.1	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

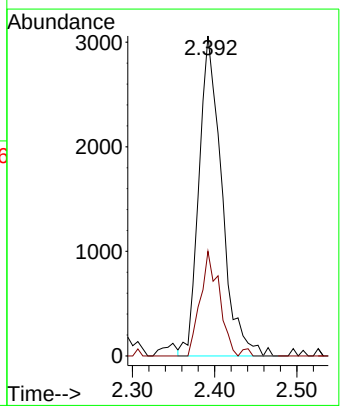
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

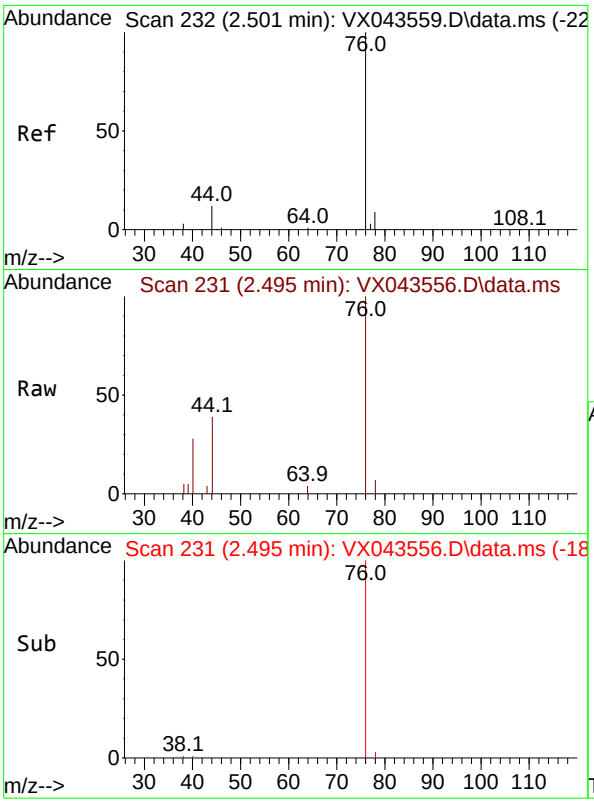


#16
Acetone
Concen: 5.386 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 5896

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.1	37.7

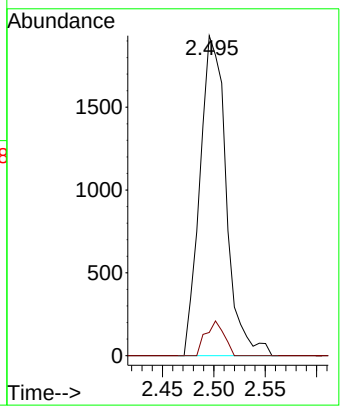




#17
Carbon Disulfide
Concen: 0.977 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 76 Resp: 345

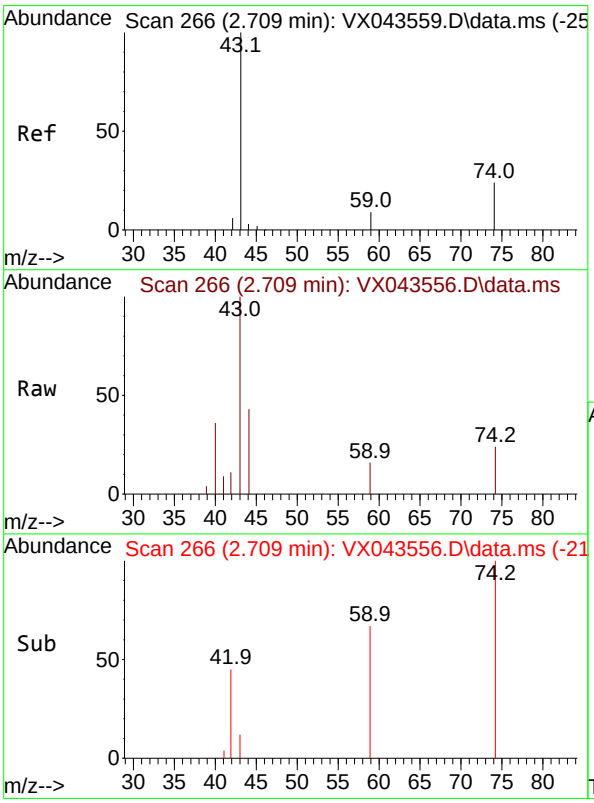
Ion	Ratio	Lower	Upper
76	100		
78	7.2	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

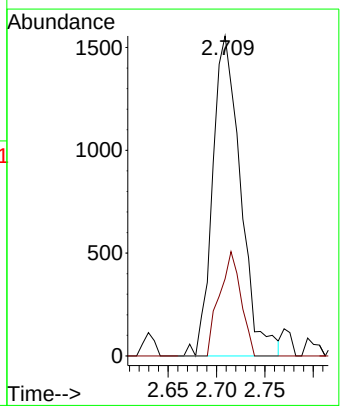
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

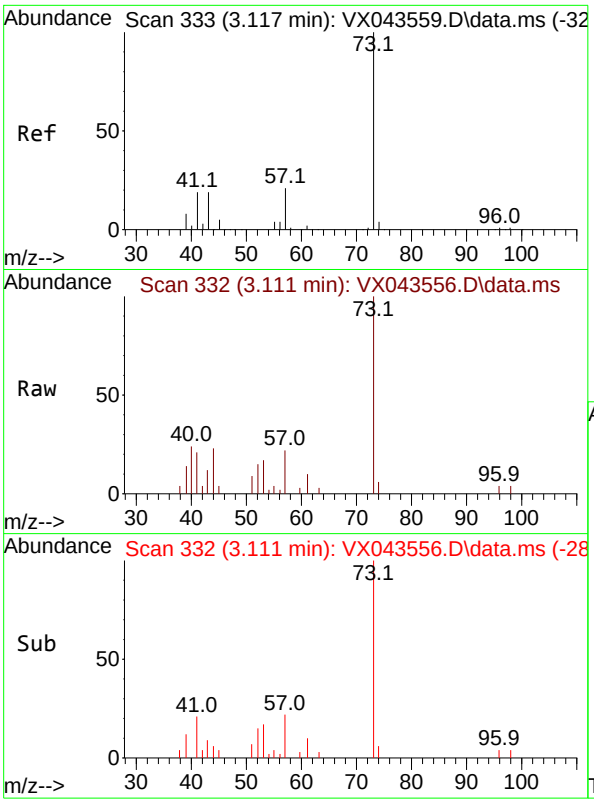


#18
Methyl Acetate
Concen: 0.954 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 3137

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.1	28.7

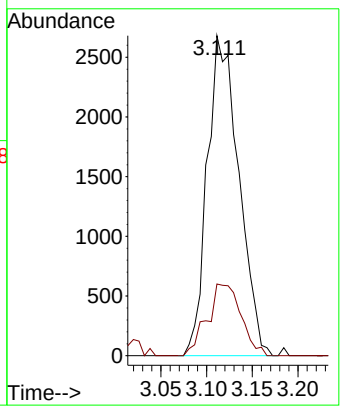




#19
Methyl tert-butyl Ether
Concen: 0.971 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 73 Resp: 644

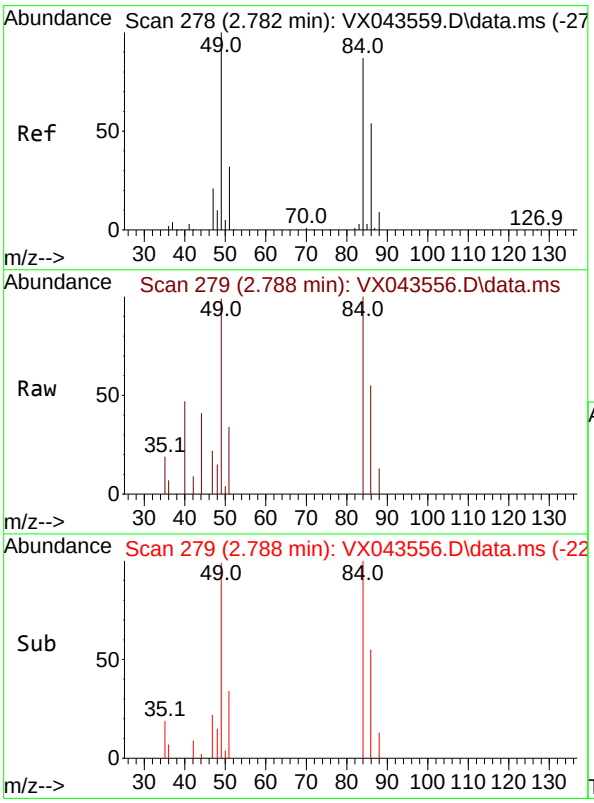
Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

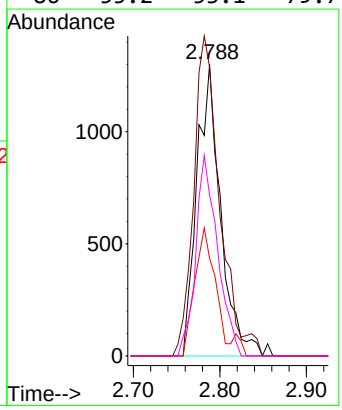
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

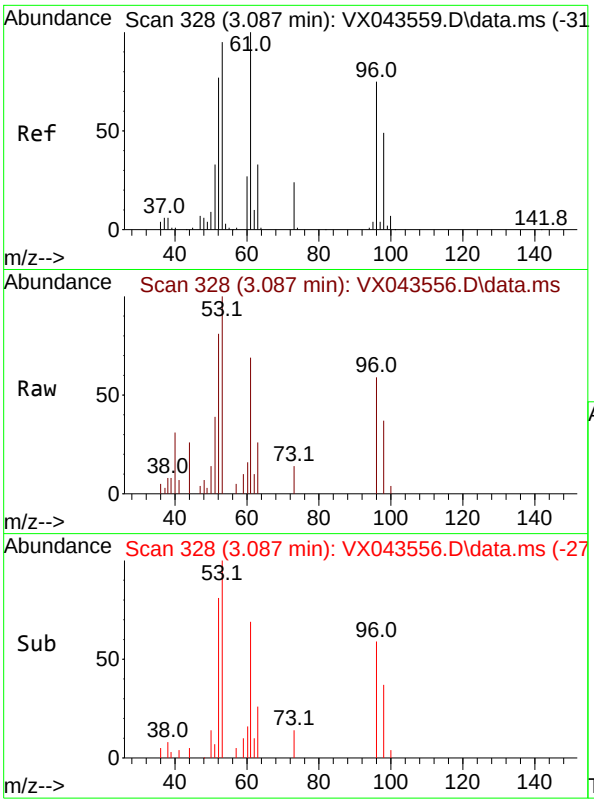


#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 84 Resp: 2497

Ion	Ratio	Lower	Upper
84	100		
49	99.0	97.0	145.6
51	33.5	29.8	44.8
86	55.2	53.1	79.7

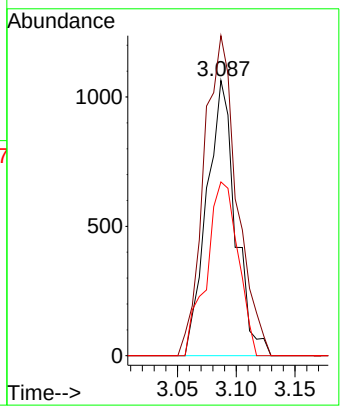




#21
trans-1,2-Dichloroethene
Concen: 0.979 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 96 Resp: 180

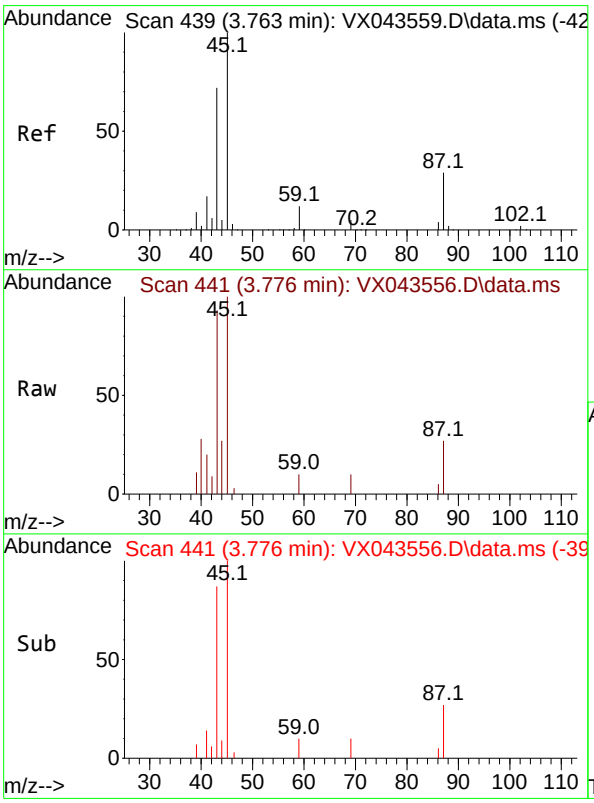
Ion	Ratio	Lower	Upper
96	100		
61	116.3	107.1	160.7
98	63.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

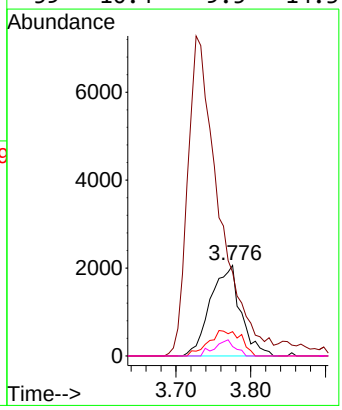
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

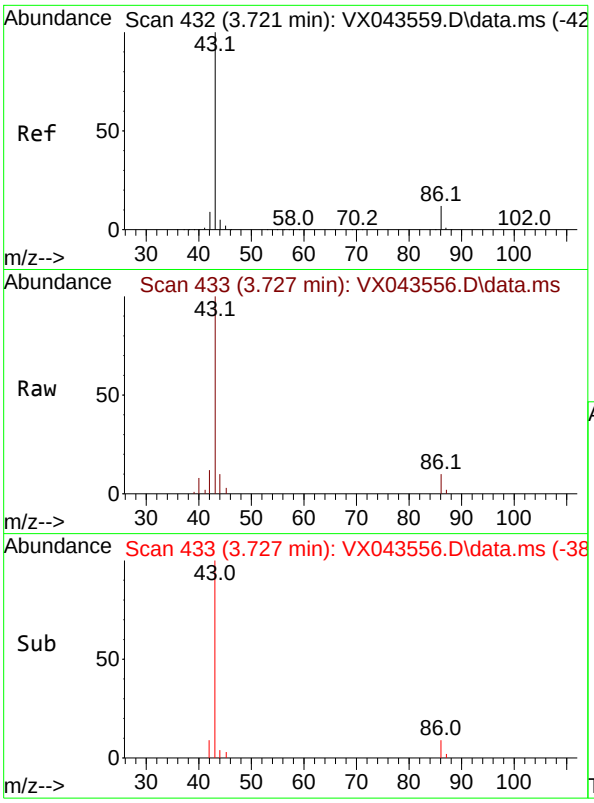


#22
Diisopropyl ether
Concen: 0.931 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 45 Resp: 5818

Ion	Ratio	Lower	Upper
45	100		
43	79.2	60.6	90.8
87	26.9	22.0	33.0
59	10.4	9.5	14.3





#23
Vinyl Acetate
Concen: 4.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

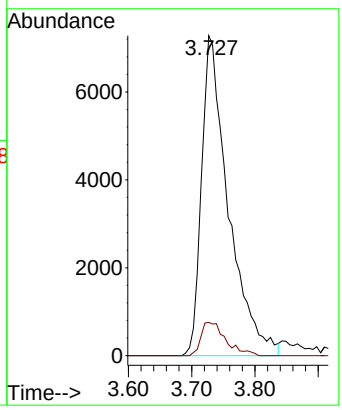
Tgt Ion: 43 Resp: 2143

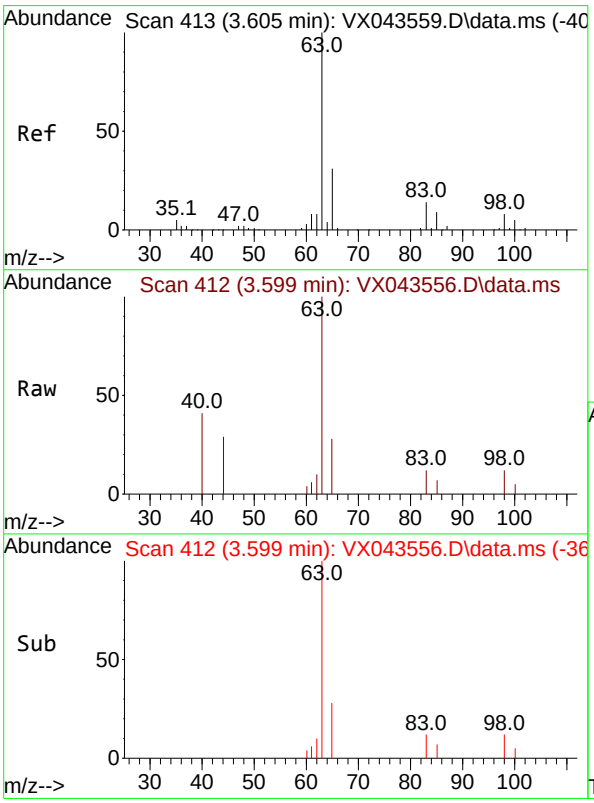
Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

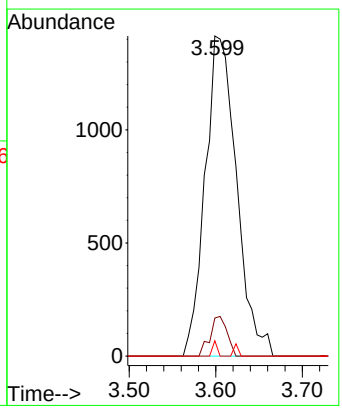


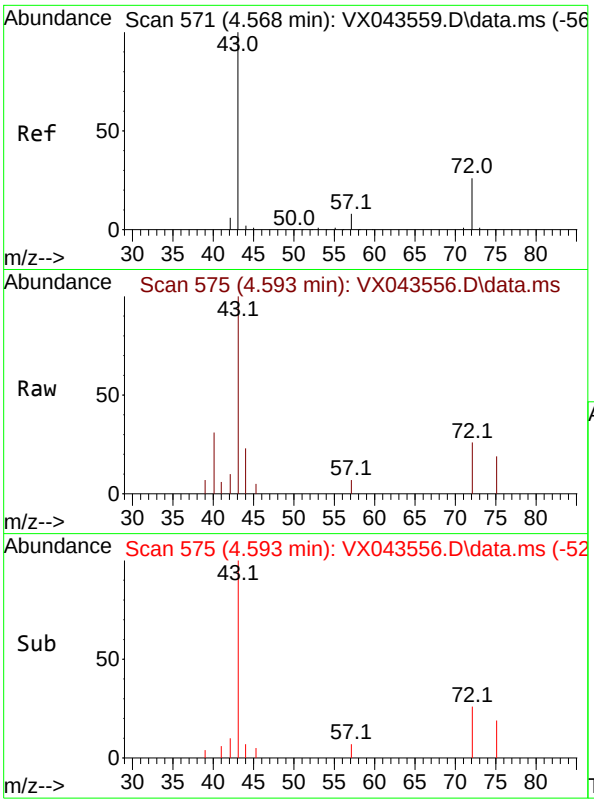


#24
1,1-Dichloroethane
Concen: 1.012 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 63 Resp: 3565

Ion	Ratio	Lower	Upper
63	100		
98	11.9	3.5	10.4#
100	4.8	2.4	7.2

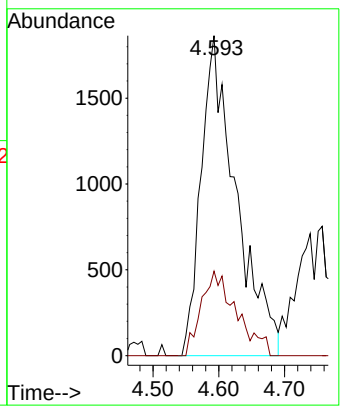




#25
2-Butanone
Concen: 4.150 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 690

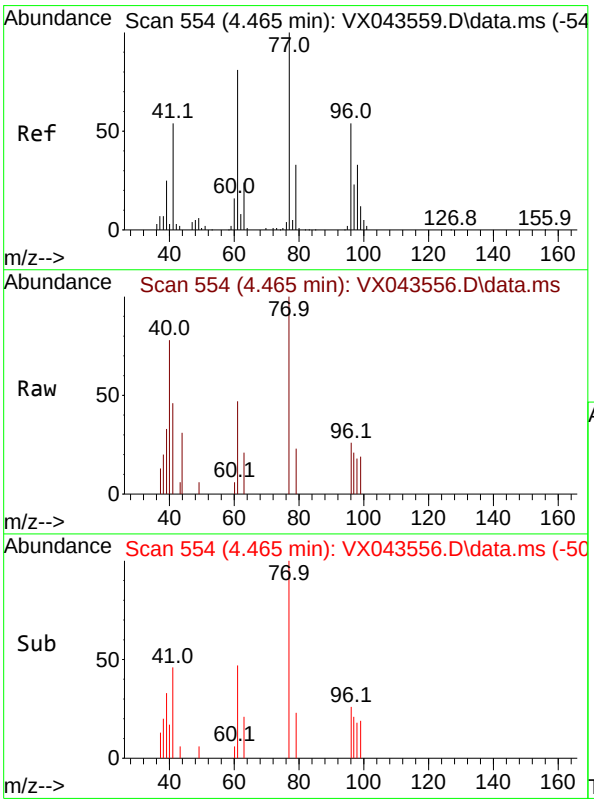
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

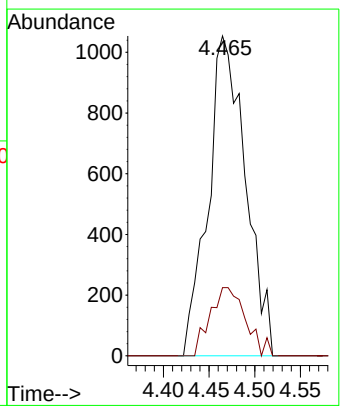
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

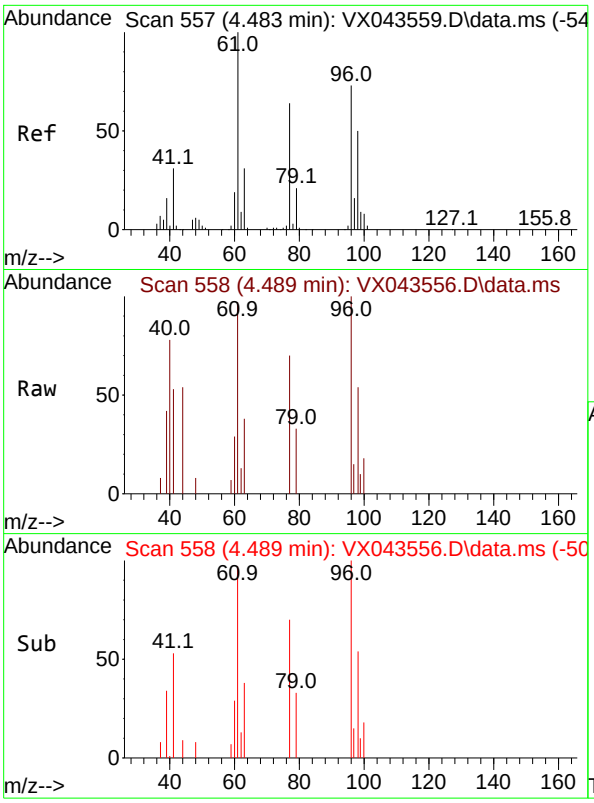


#26
2,2-Dichloropropane
Concen: 1.182 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 77 Resp: 3002

Ion	Ratio	Lower	Upper
77	100		
97	20.3	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 0.994 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

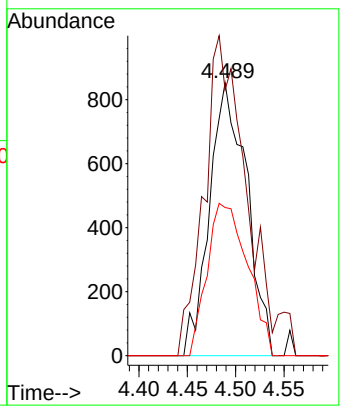
Tgt Ion: 96 Resp: 228

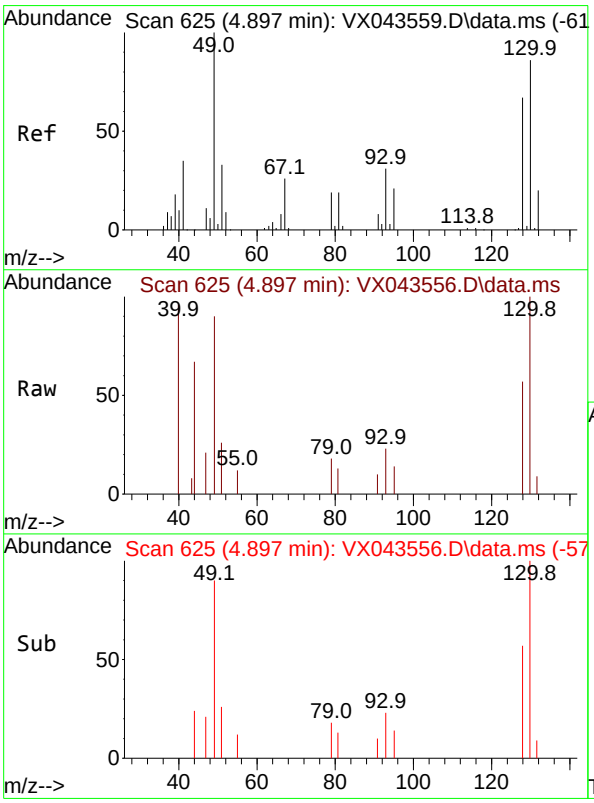
Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	277.2
98	60.4	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

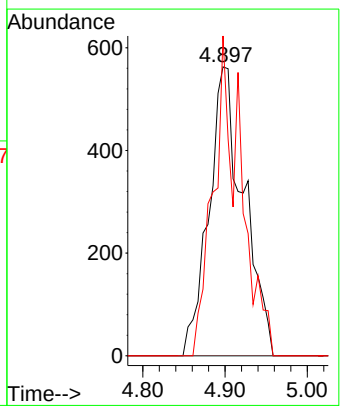


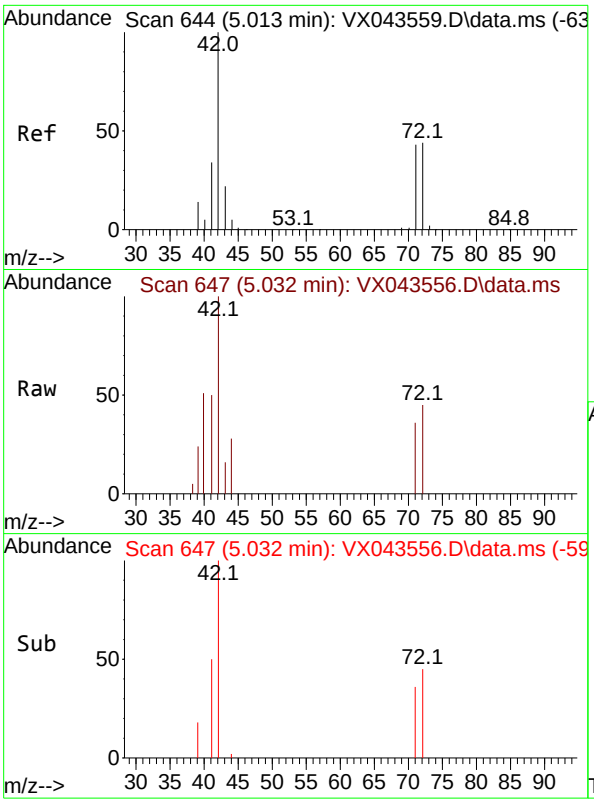


#28
Bromochloromethane
Concen: 0.950 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 49 Resp: 1656

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	55.0	67.8	101.8#

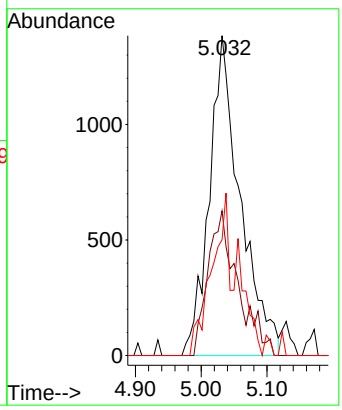




#29
Tetrahydrofuran
Concen: 4.185 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 42 Resp: 454

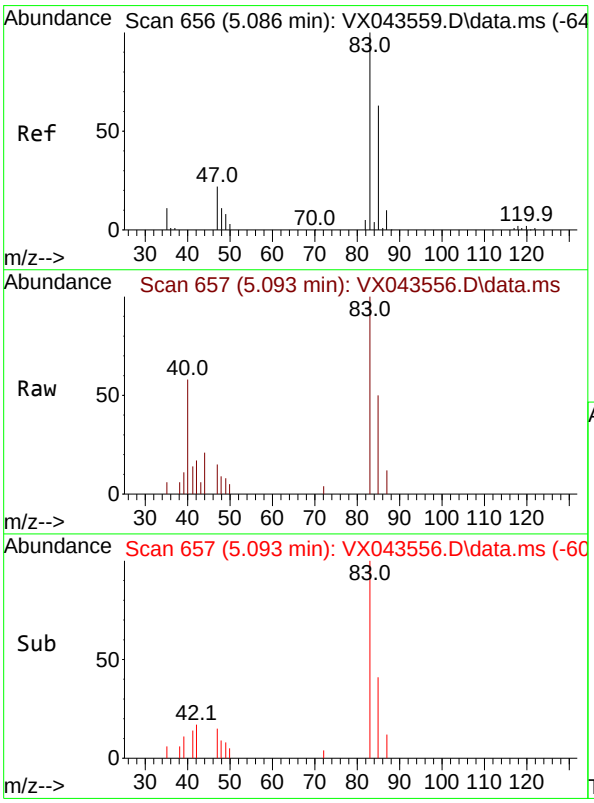
Ion	Ratio	Lower	Upper
42	100		
72	37.8	36.6	55.0
71	29.8	34.2	51.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

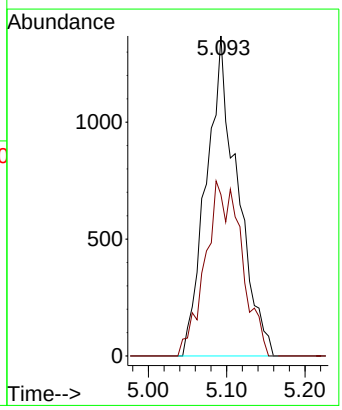
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

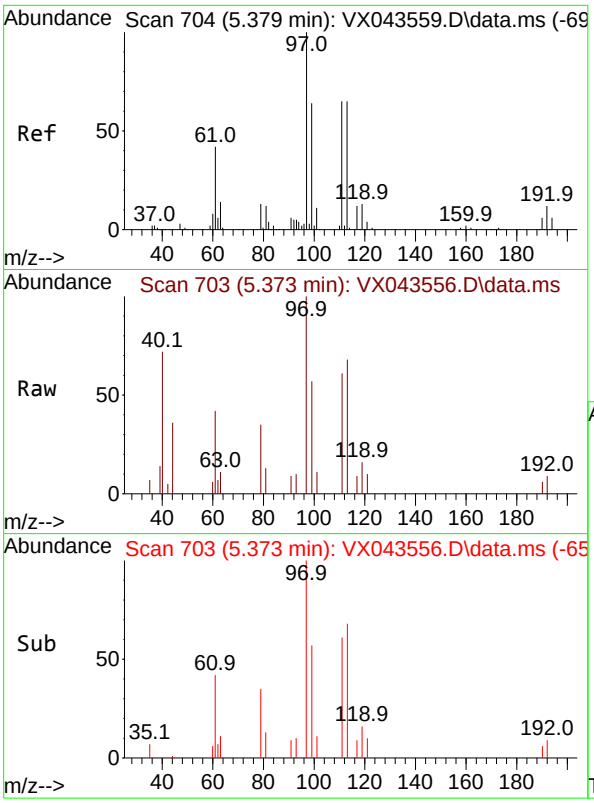


#30
Chloroform
Concen: 1.005 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 3785

Ion	Ratio	Lower	Upper
83	100		
85	50.4	52.2	78.4#





#32
1,1,1-Trichloroethane
Concen: 0.959 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

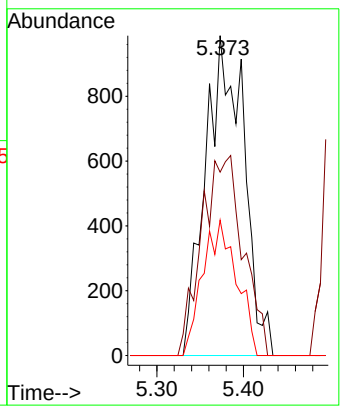
Tgt Ion: 97 Resp: 303

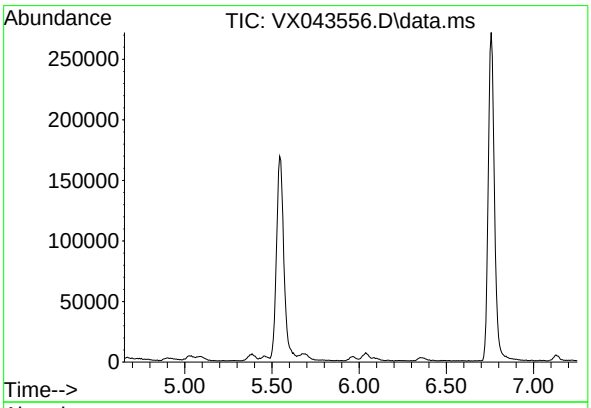
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	37.6	34.0	51.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



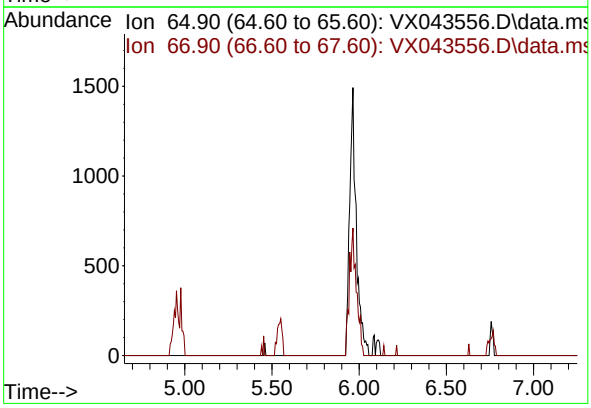


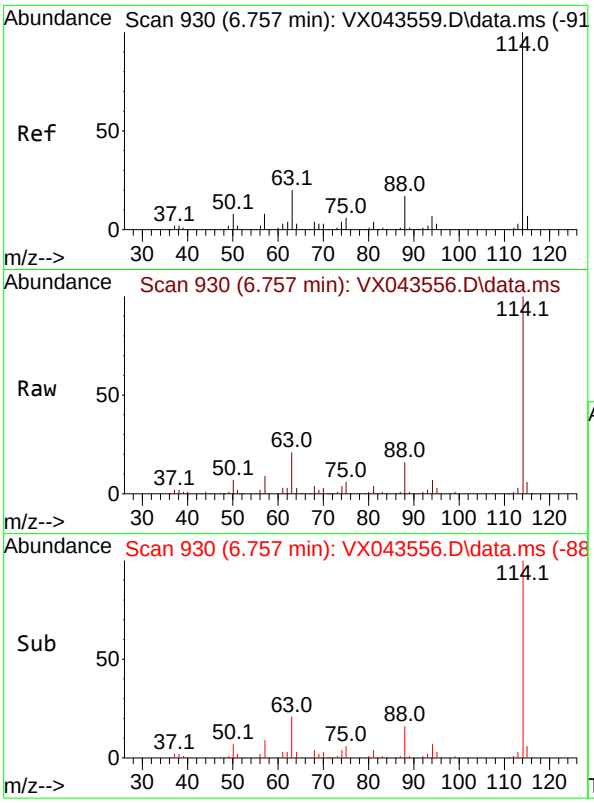
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.7





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

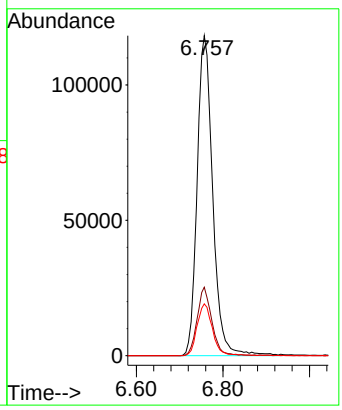
Tgt Ion:114 Resp: 29568

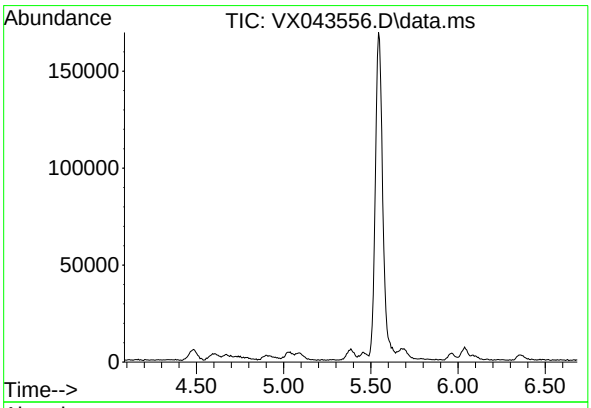
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.2
88	16.2	0.0	34.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



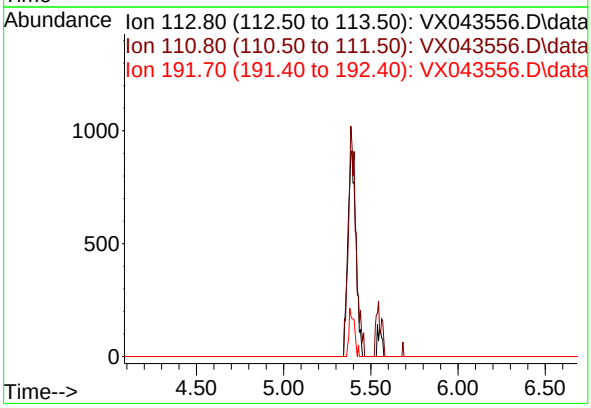


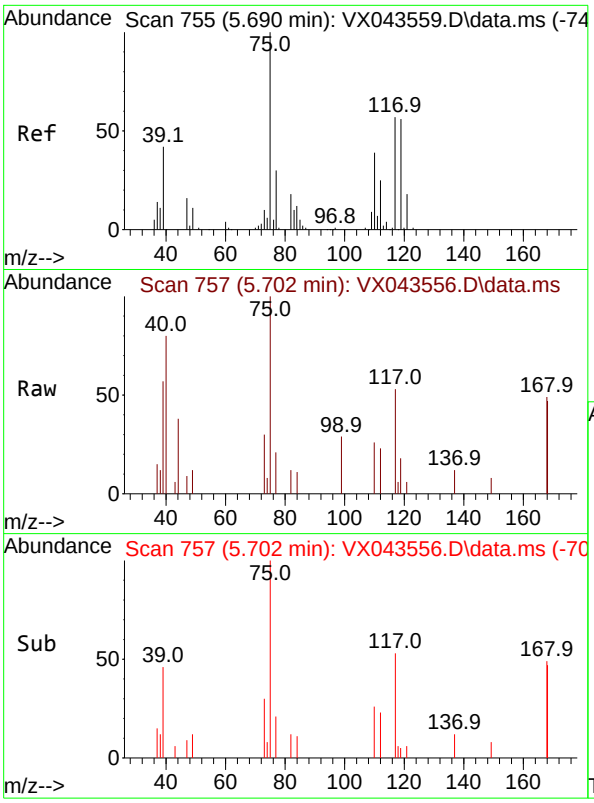
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.7
192	17.6

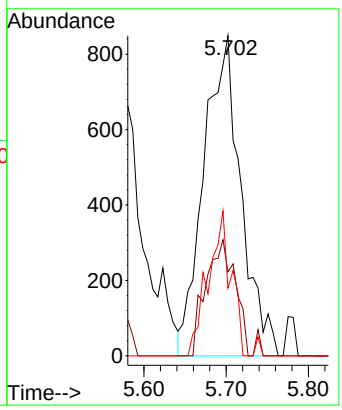




#36
1,1-Dichloropropene
Concen: 1.146 ug/l
RT: 5.702 min Scan# 7
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 267

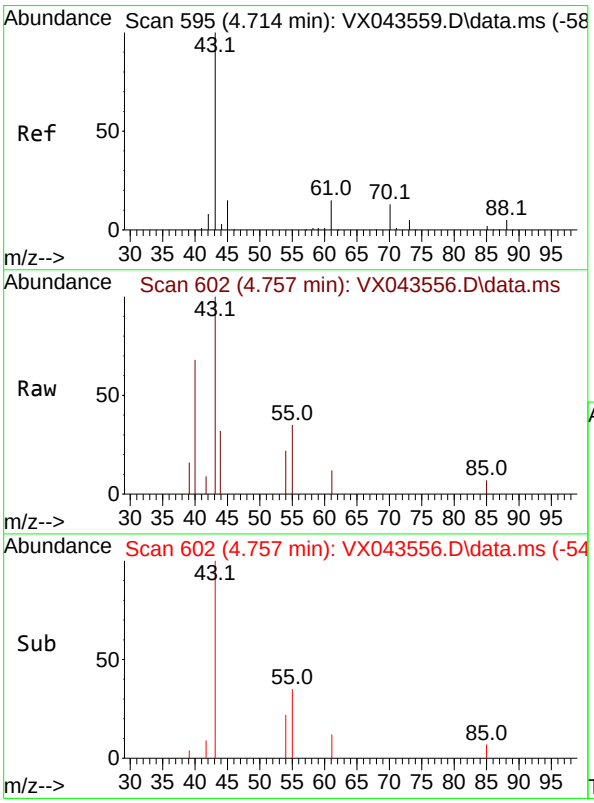
Ion	Ratio	Lower	Upper
75	100		
110	28.7	17.9	53.7
77	27.9	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

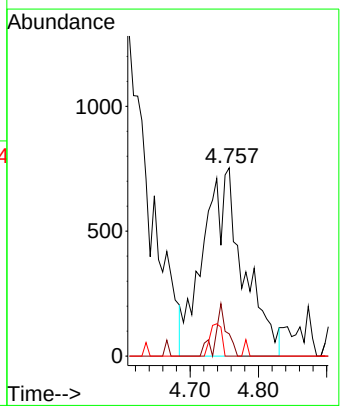
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

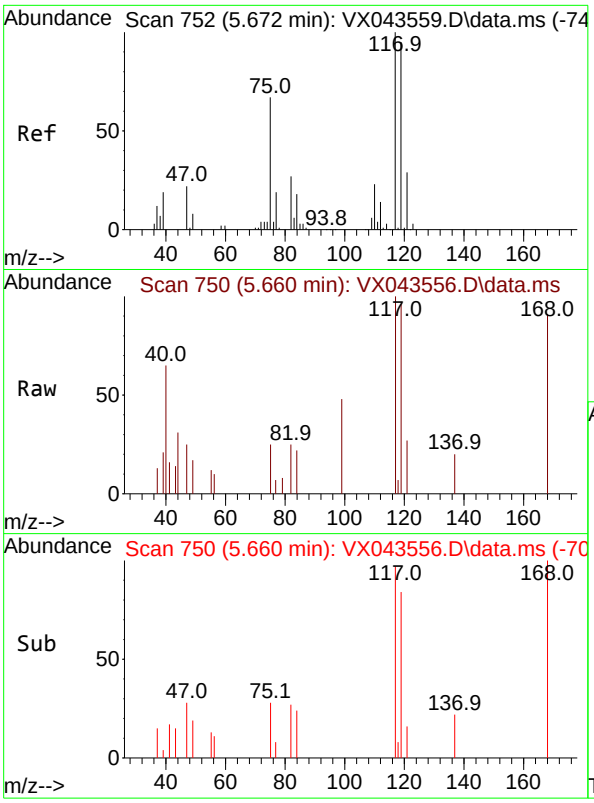


#37
Ethyl Acetate
Concen: 0.970 ug/l m
RT: 4.757 min Scan# 602
Delta R.T. 0.037 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 3086

Ion	Ratio	Lower	Upper
43	100		
61	7.9	11.0	16.6#
70	5.0	8.9	13.3#





#38
Carbon Tetrachloride
Concen: 1.031 ug/l
RT: 5.660 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

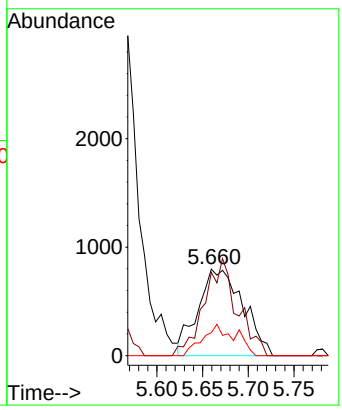
Tgt Ion:117 Resp: 273

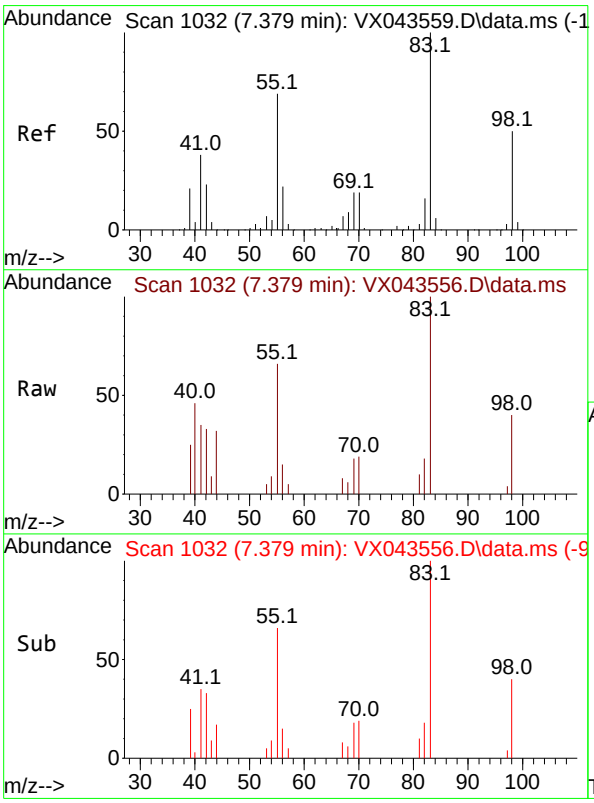
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
121	26.6	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

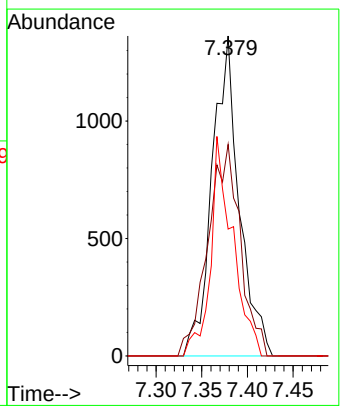


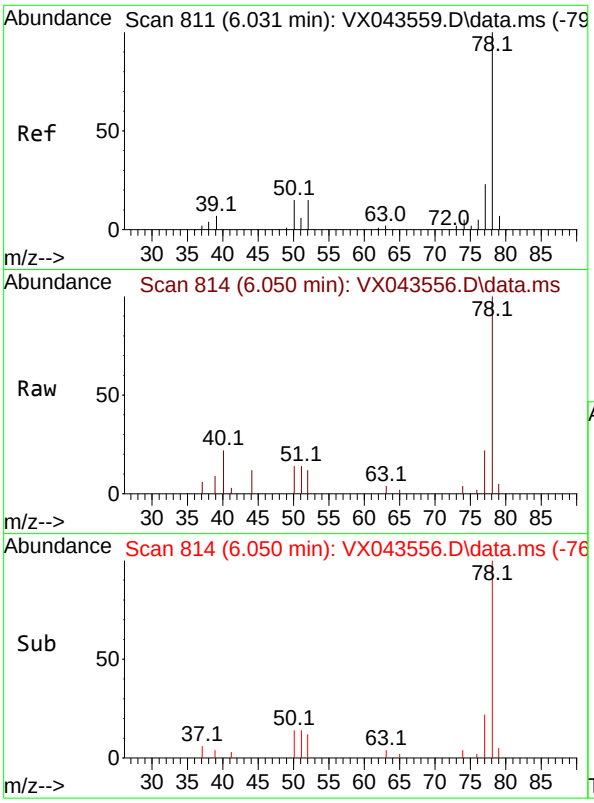


#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 2811

Ion	Ratio	Lower	Upper
83	100		
55	66.1	59.9	89.9
98	39.6	41.3	61.9#





#40
Benzene
Concen: 1.014 ug/l
RT: 6.050 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

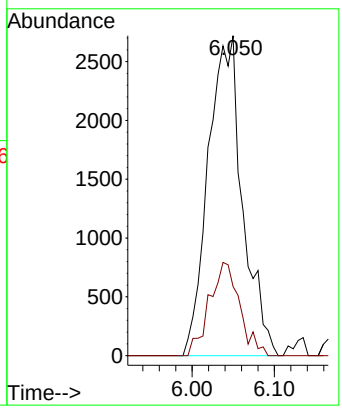
Tgt Ion: 78 Resp: 789

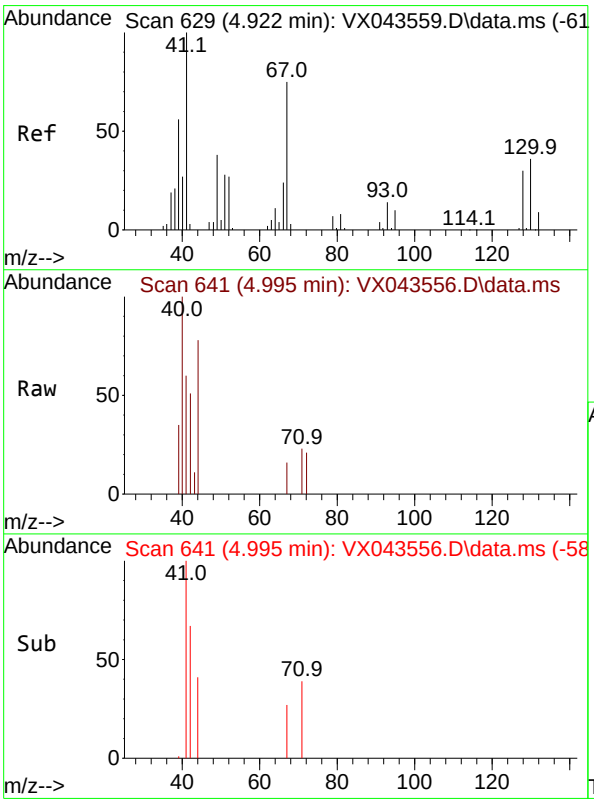
Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

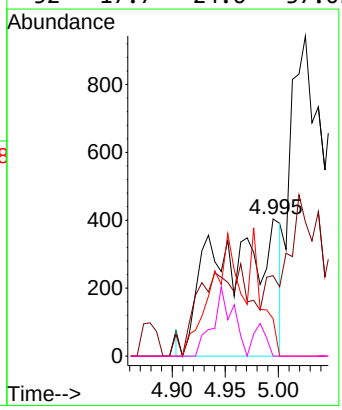


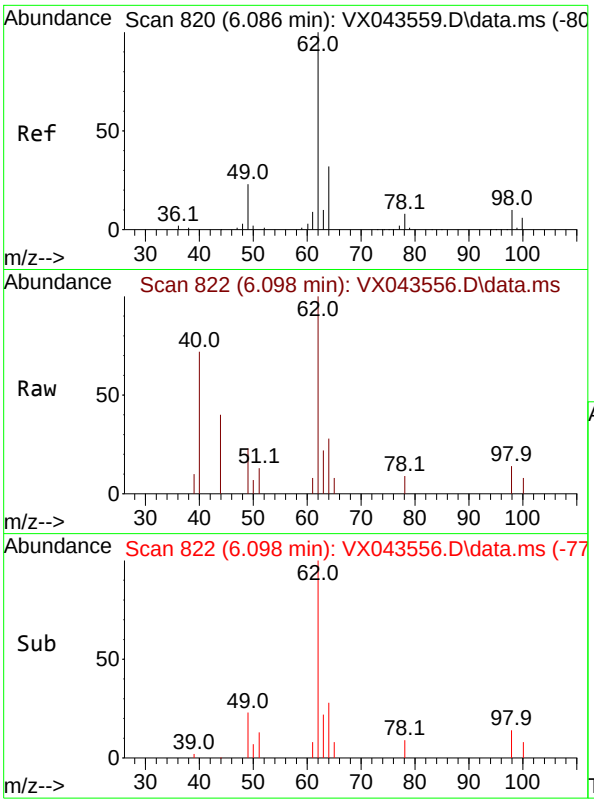


#41
Methacrylonitrile
Concen: 0.962 ug/l m
RT: 4.995 min Scan# 641
Delta R.T. 0.073 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 41 Resp: 1539

Ion	Ratio	Lower	Upper
41	100		
39	38.6	43.5	65.3#
67	43.9	58.3	87.5#
52	17.7	24.6	37.0#

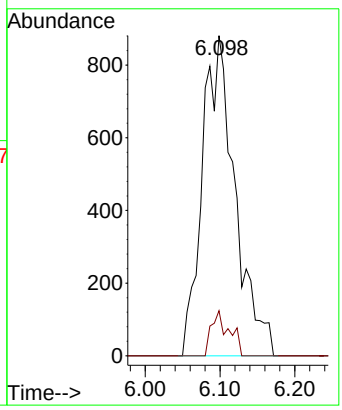




#42
1,2-Dichloroethane
Concen: 0.939 ug/l
RT: 6.098 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 62 Resp: 269

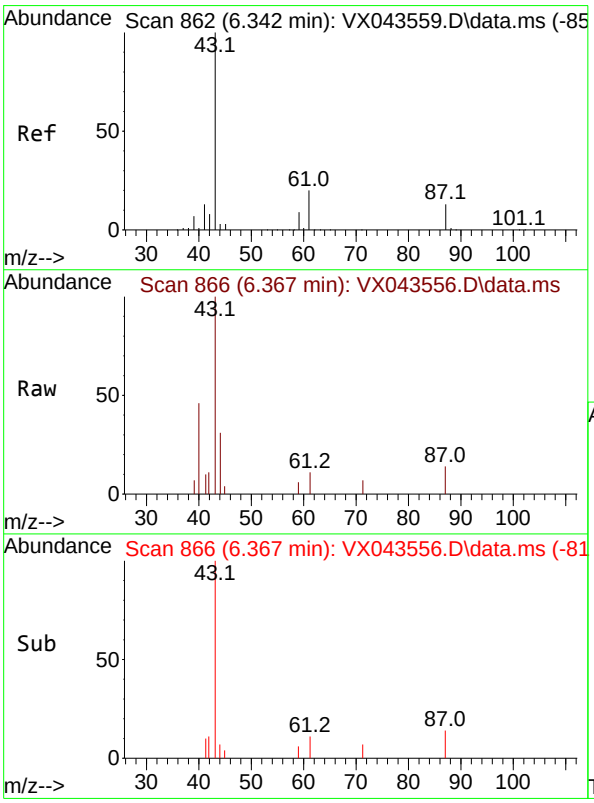
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

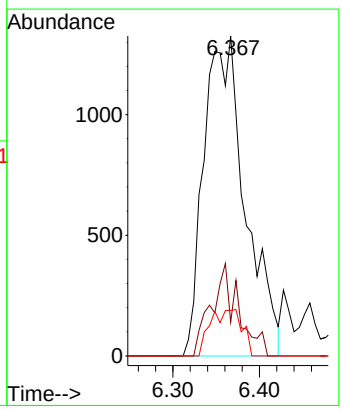
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

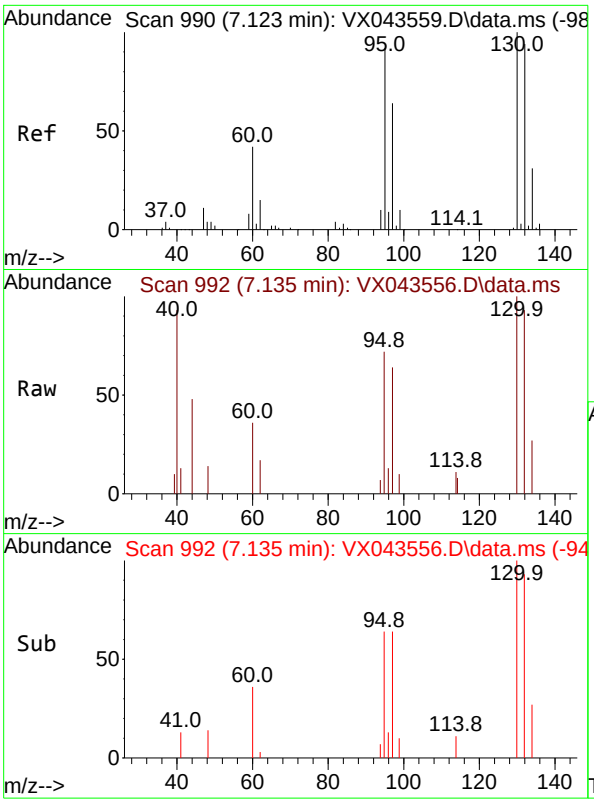


#43
Isopropyl Acetate
Concen: 0.874 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.025 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 4398

Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.2	24.4
87	11.1	11.0	16.6





#44
Trichloroethene
Concen: 1.028 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

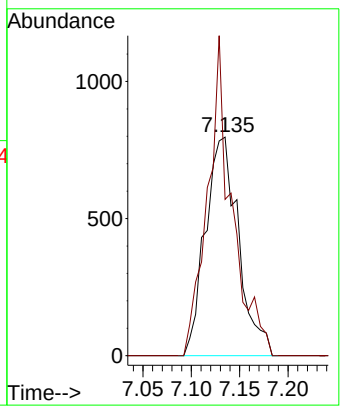
Tgt Ion:130 Resp: 189

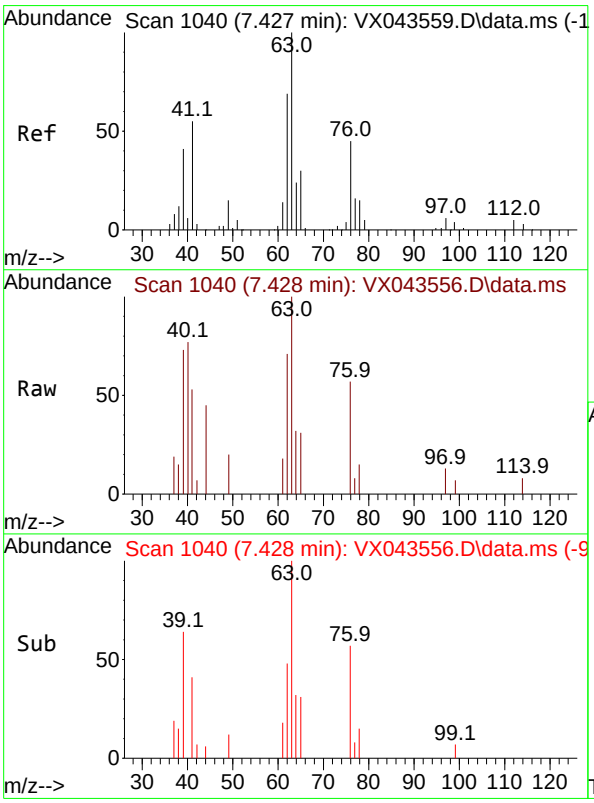
Ion	Ratio	Lower	Upper
130	100		
95	71.5	0.0	202.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

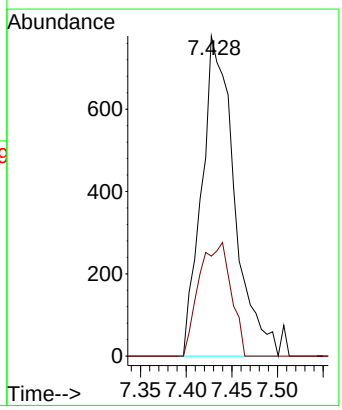


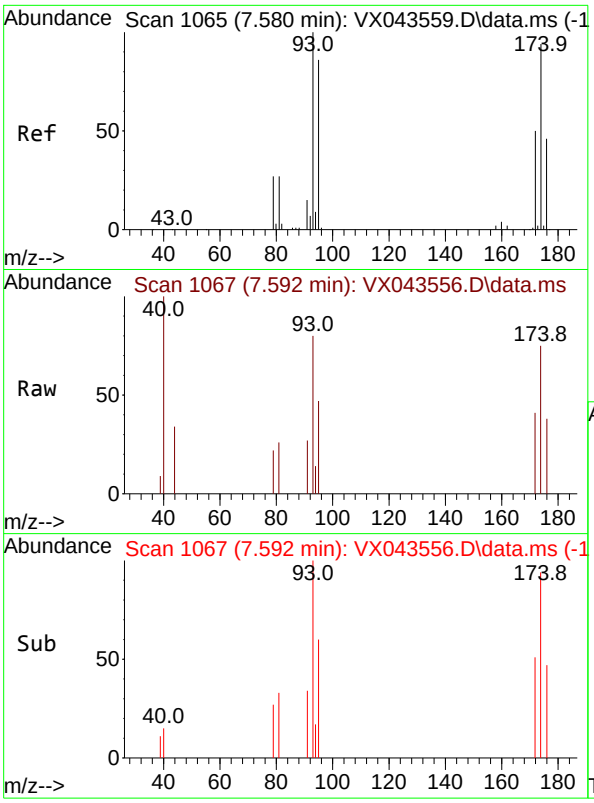


#45
1,2-Dichloropropane
Concen: 1.017 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 63 Resp: 1935

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.5	36.7

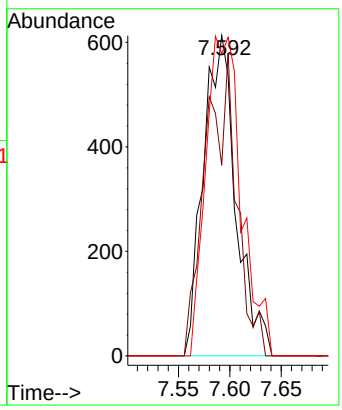




#46
Dibromomethane
Concen: 0.931 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 93 Resp: 136

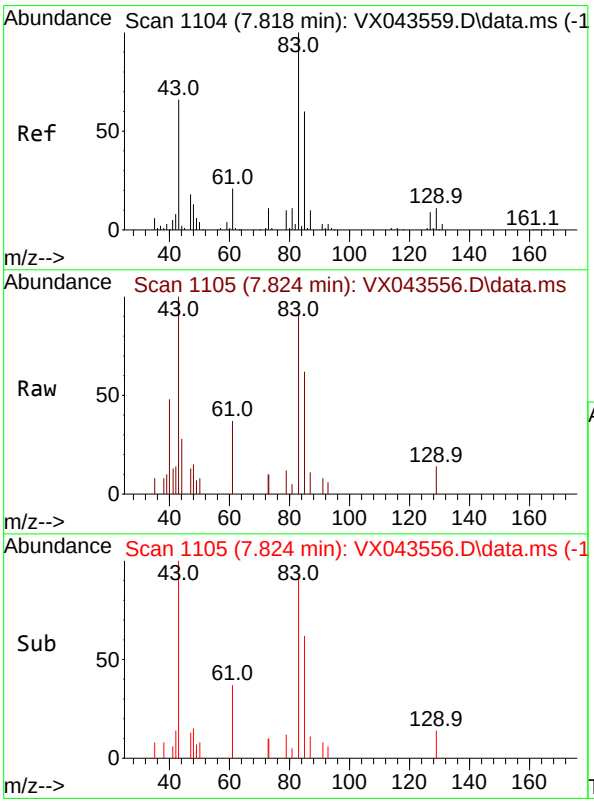
Ion	Ratio	Lower	Upper
93	100		
95	89.6	66.4	99.6
174	109.0	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

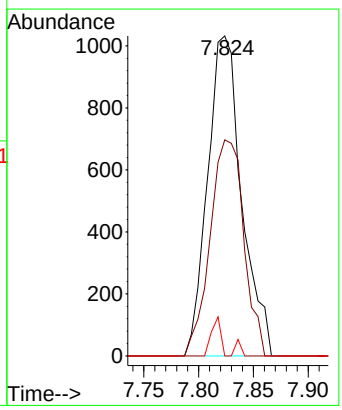
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

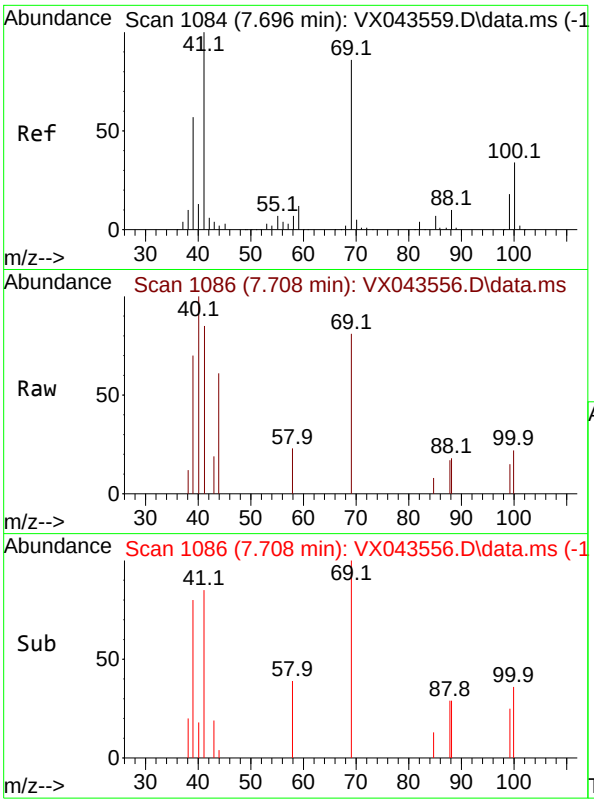


#47
Bromodichloromethane
Concen: 0.862 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 2234

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.2	78.4
127	0.0	7.1	10.7#





#48
Methyl methacrylate
Concen: 0.804 ug/l
RT: 7.708 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

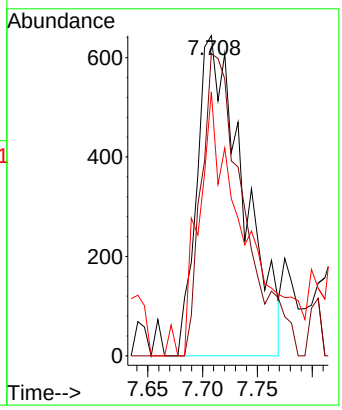
Tgt Ion: 41 Resp: 188

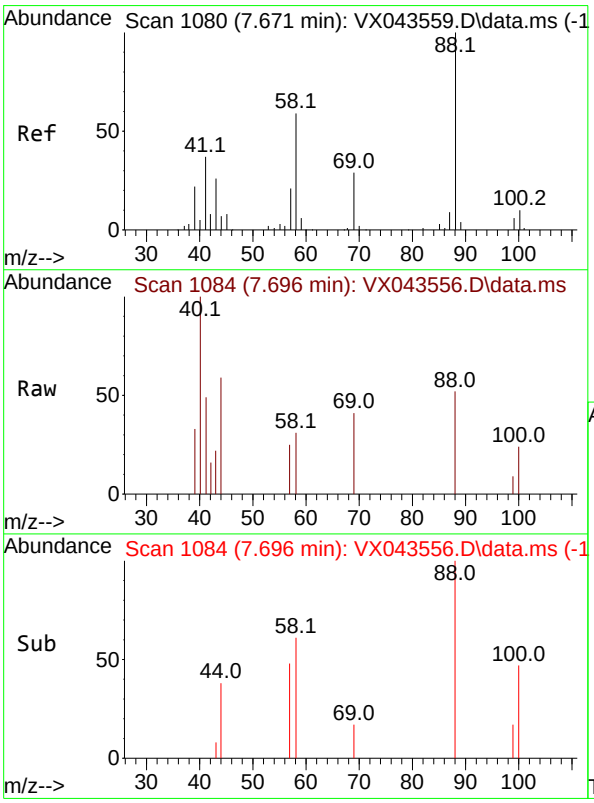
Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	84.1	46.3	69.5#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

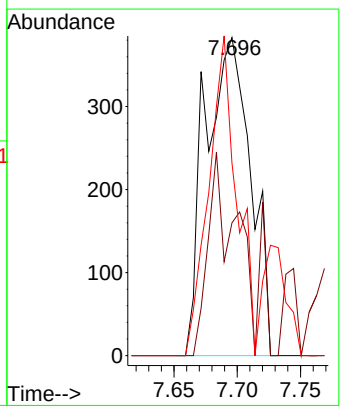


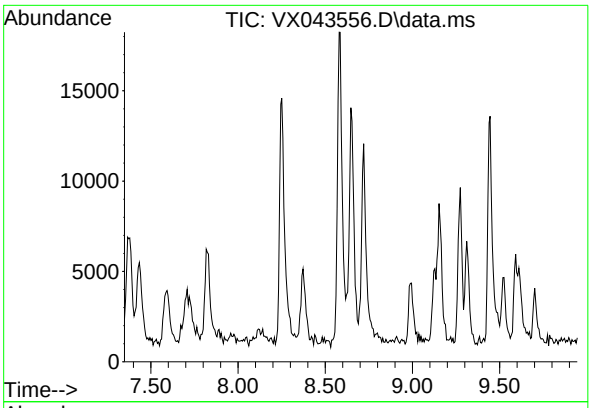


#49
1,4-Dioxane
Concen: 15.892 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.025 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 88 Resp: 959

Ion	Ratio	Lower	Upper
88	100		
43	39.5	25.3	37.9#
58	62.0	53.9	80.9





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

Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

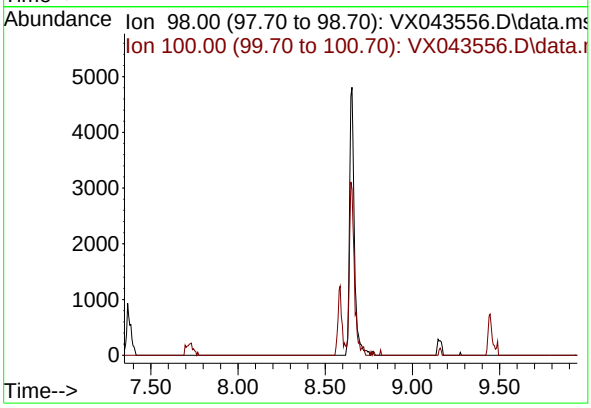
Tgt Ion: 98

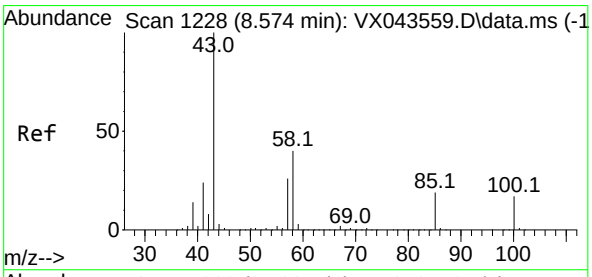
Sig	Exp Ratio
98	100
100	66.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

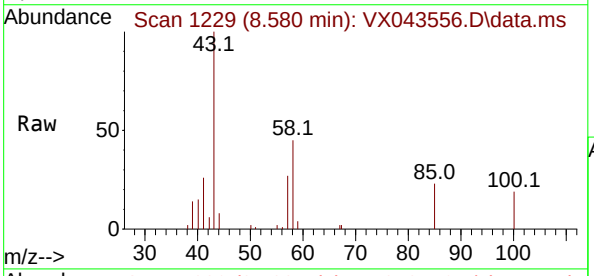


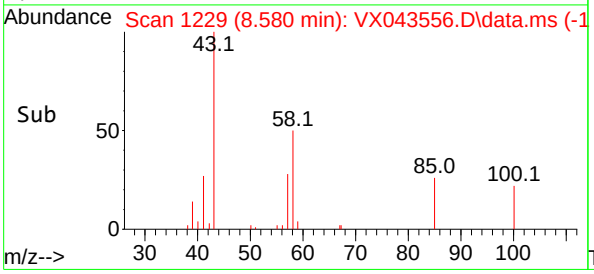


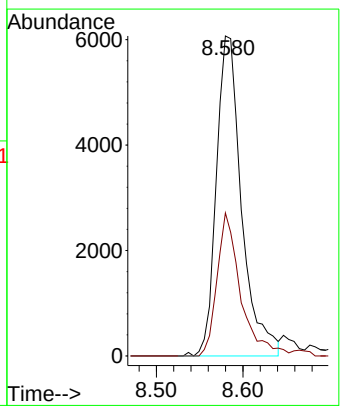
#51
4-Methyl-2-Pentanone
Concen: 3.855 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

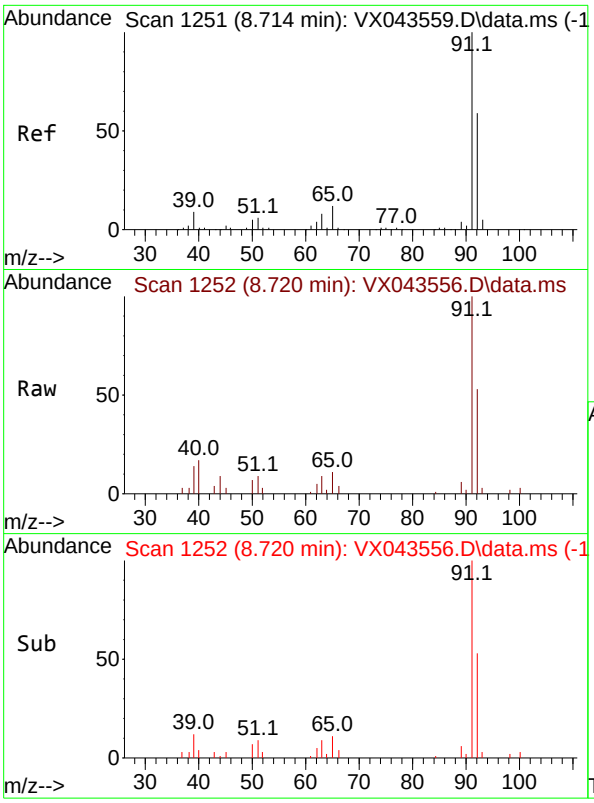
Tgt Ion: 43 Resp: 12287

Ion	Ratio	Lower	Upper
43	100		
58	41.6	31.7	47.5





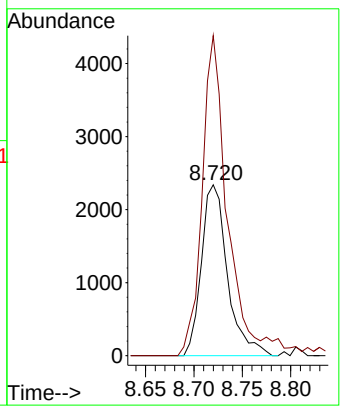




#52
Toluene
Concen: 0.915 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 92 Resp: 439

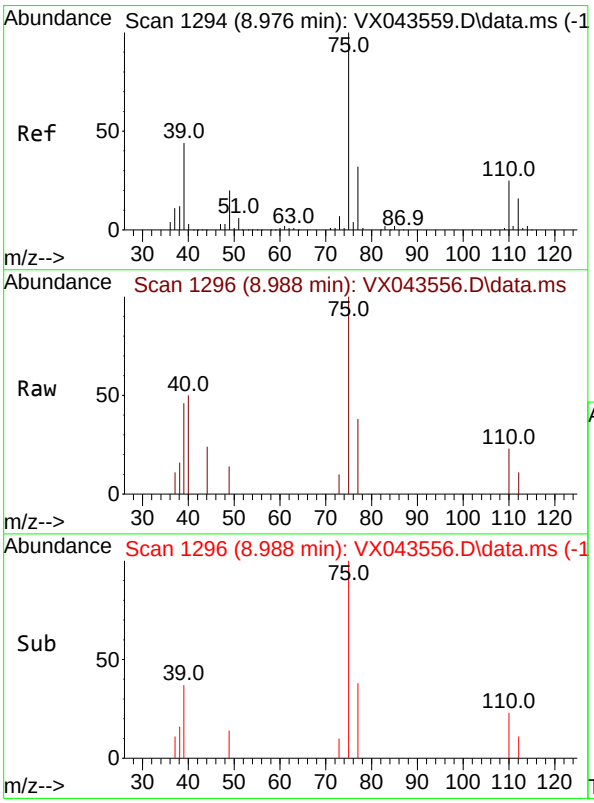
Ion	Ratio	Lower	Upper
92	100		
91	175.3	135.7	203.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

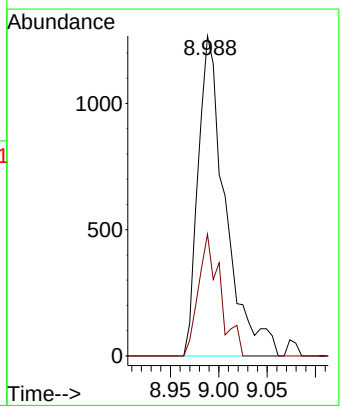
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

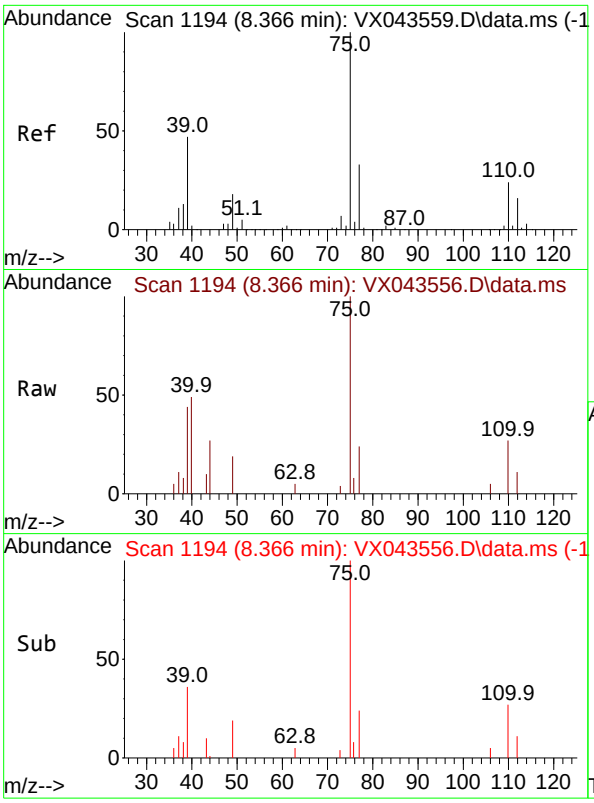


#53
t-1,3-Dichloropropene
Concen: 0.948 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 2487

Ion	Ratio	Lower	Upper
75	100		
77	38.0	26.0	39.0

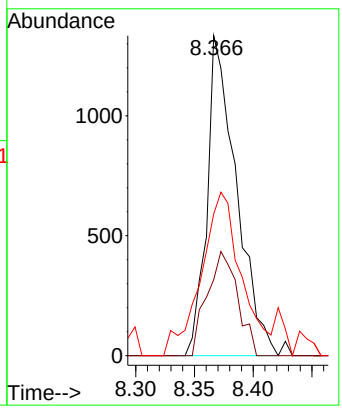




#54
cis-1,3-Dichloropropene
Concen: 0.807 ug/l
RT: 8.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 232

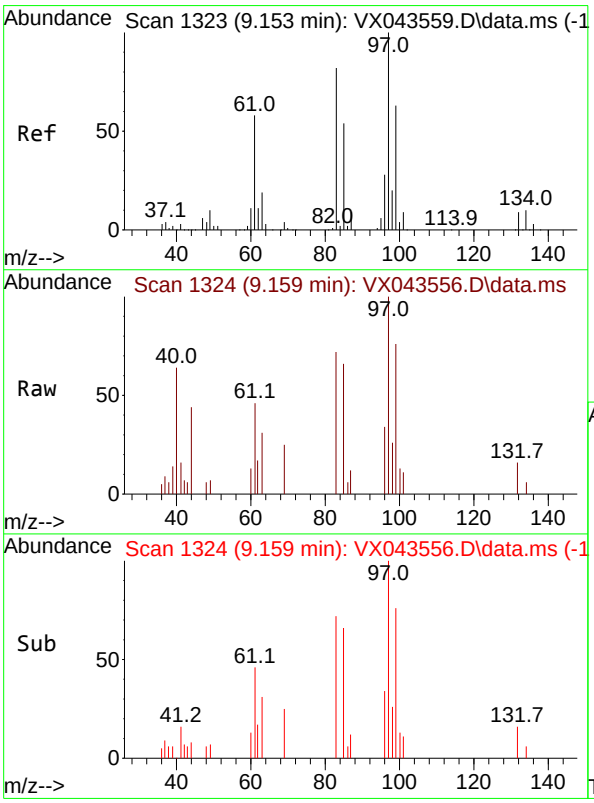
Ion	Ratio	Lower	Upper
75	100		
77	23.8	24.8	37.2#
39	38.0	37.7	56.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

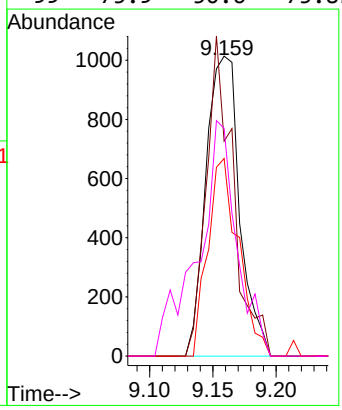
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

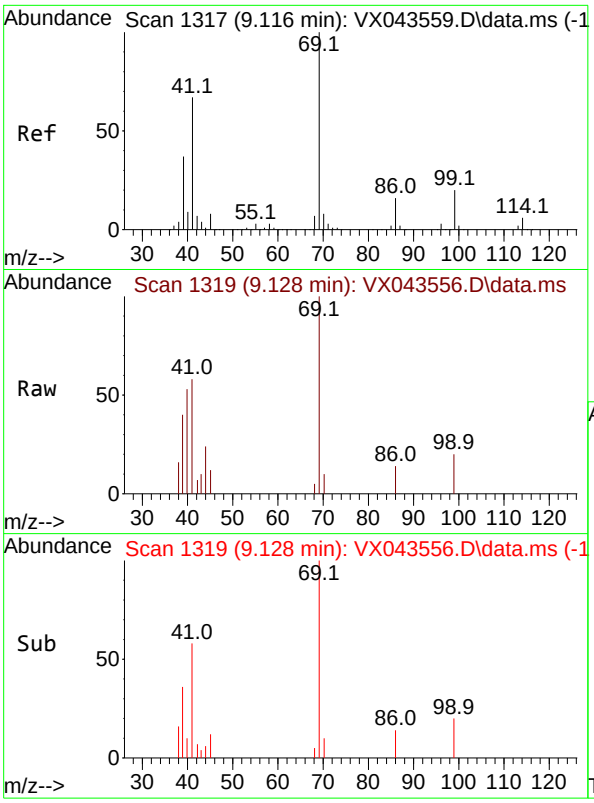


#55
1,1,2-Trichloroethane
Concen: 0.927 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 97 Resp: 1879

Ion	Ratio	Lower	Upper
97	100		
83	71.6	67.3	100.9
85	65.9	43.6	65.4#
99	75.9	50.6	75.8#

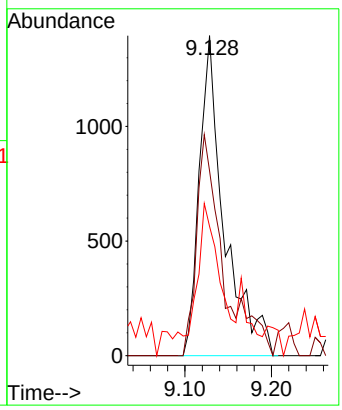




#56
Ethyl methacrylate
Concen: 0.855 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 69 Resp: 279

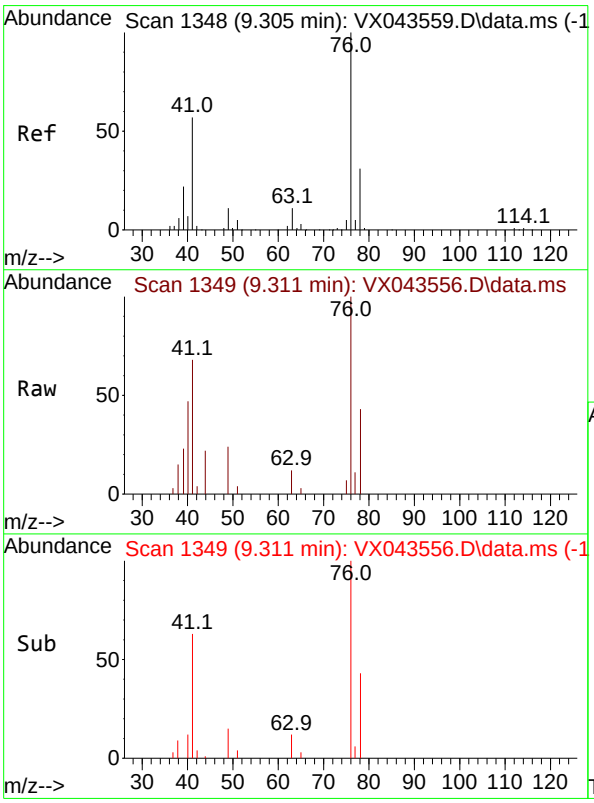
Ion	Ratio	Lower	Upper
69	100		
41	61.0	53.8	80.8
39	42.5	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

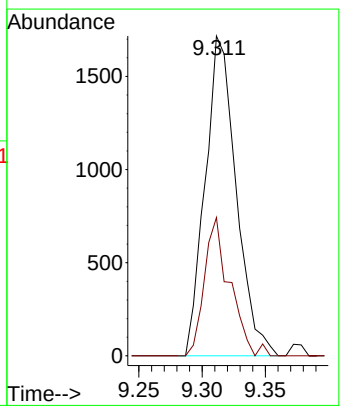
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

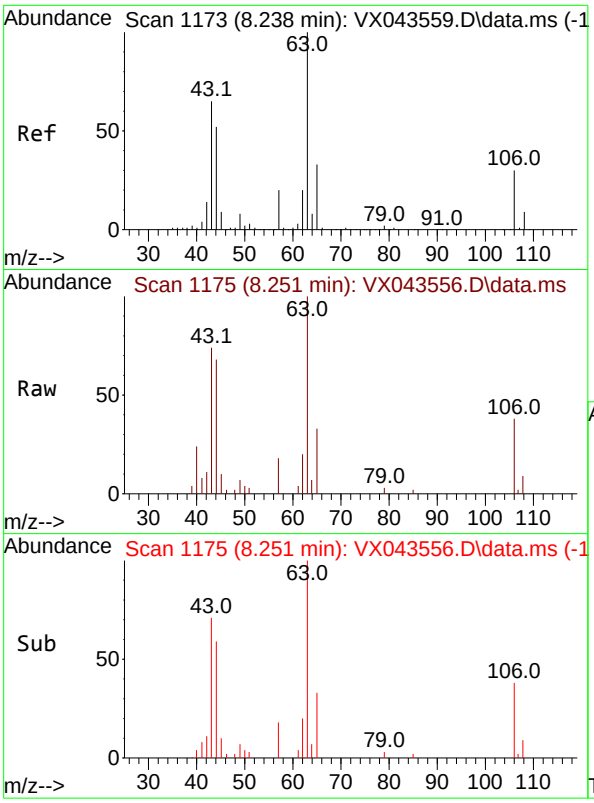


#57
1,3-Dichloropropane
Concen: 0.875 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 76 Resp: 2929

Ion	Ratio	Lower	Upper
76	100		
78	35.3	25.9	38.9





#58
2-Chloroethyl Vinyl ether
Concen: 4.263 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

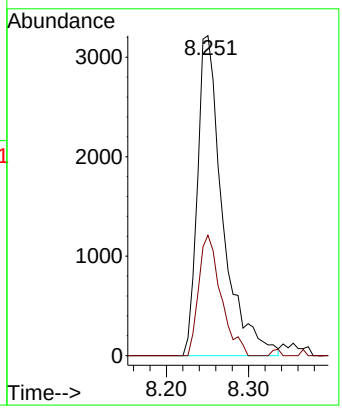
Tgt Ion: 63 Resp: 686

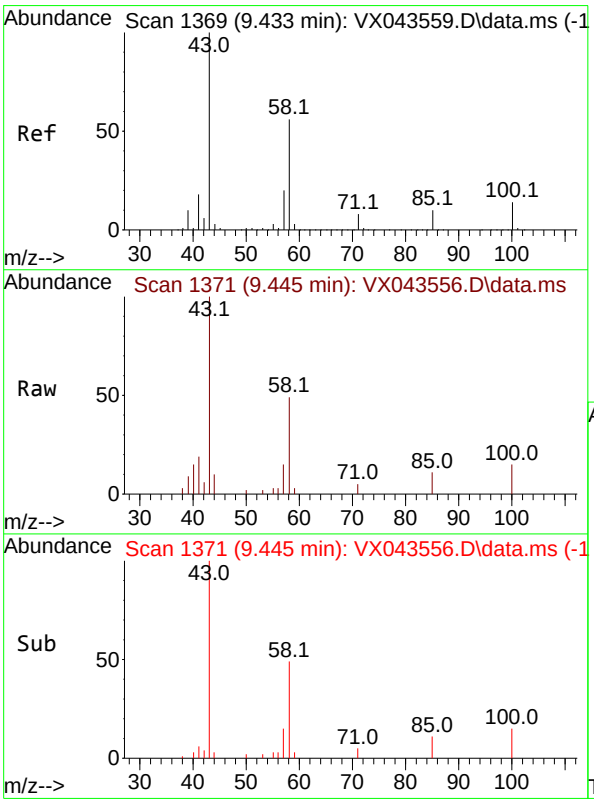
Ion	Ratio	Lower	Upper
63	100		
106	33.1	23.6	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

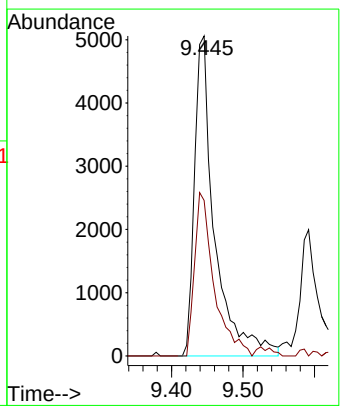


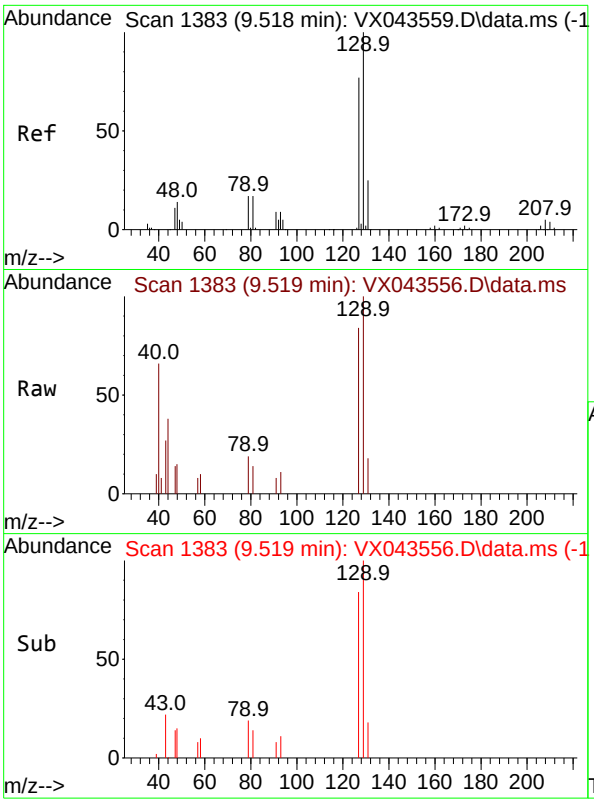


#59
2-Hexanone
Concen: 4.082 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 9840

Ion	Ratio	Lower	Upper
43	100		
58	49.7	27.5	82.5

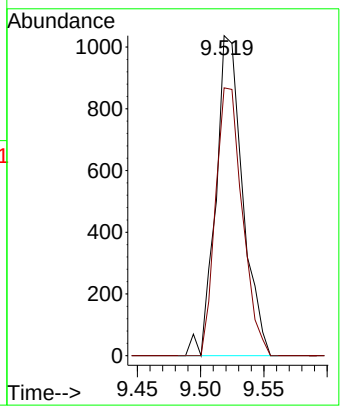




#60
Dibromochloromethane
Concen: 0.807 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:129 Resp: 153

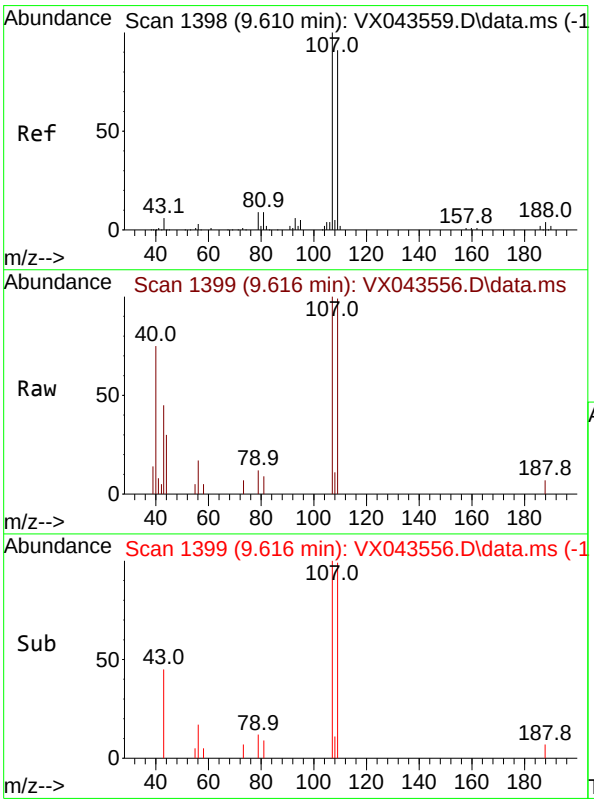
Ion	Ratio	Lower	Upper
129	100		
127	83.5	38.4	115.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

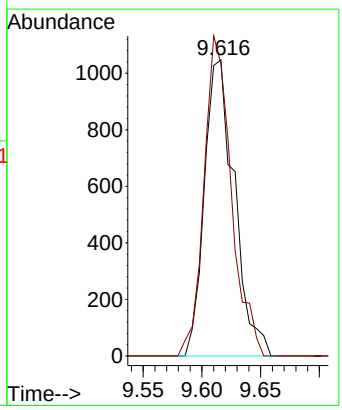
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

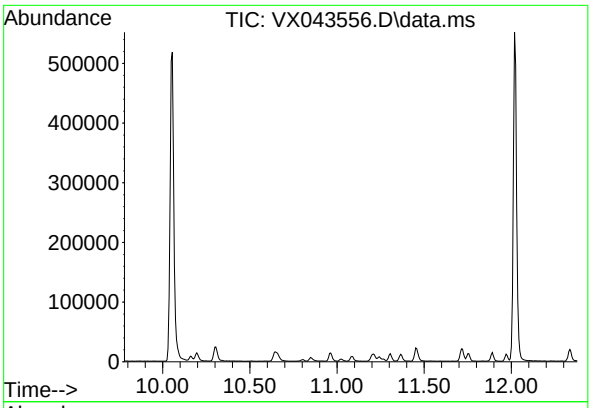


#61
1,2-Dibromoethane
Concen: 0.908 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:107 Resp: 1856

Ion	Ratio	Lower	Upper
107	100		
109	98.7	77.1	115.7





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

Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

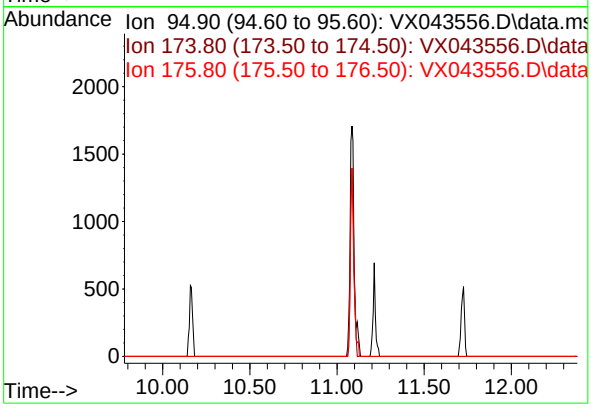
Tgt Ion: 95

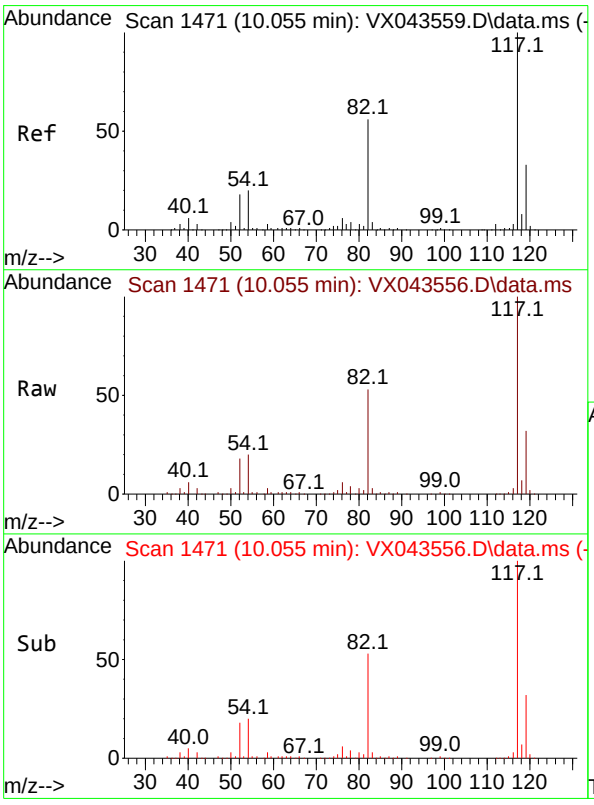
Sig	Exp Ratio
95	100
174	73.3
176	69.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

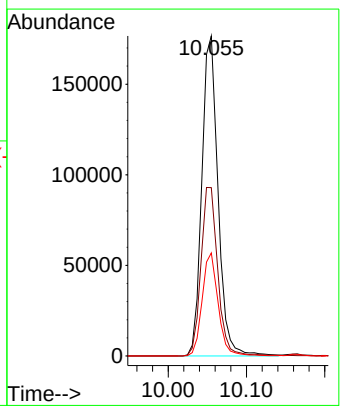


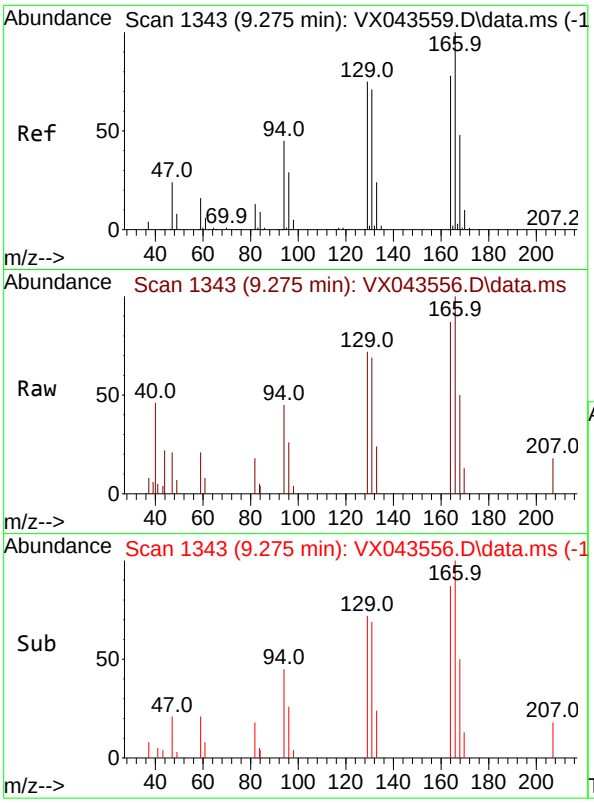


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:117 Resp: 253619

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.2	25.4	38.2

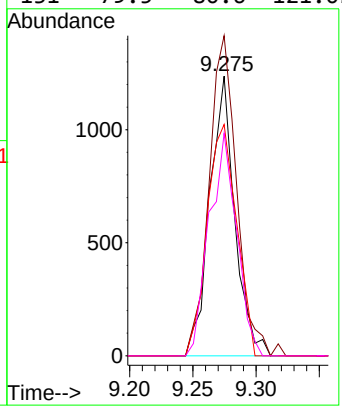




#64
Tetrachloroethene
Concen: 1.075 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:164 Resp: 170

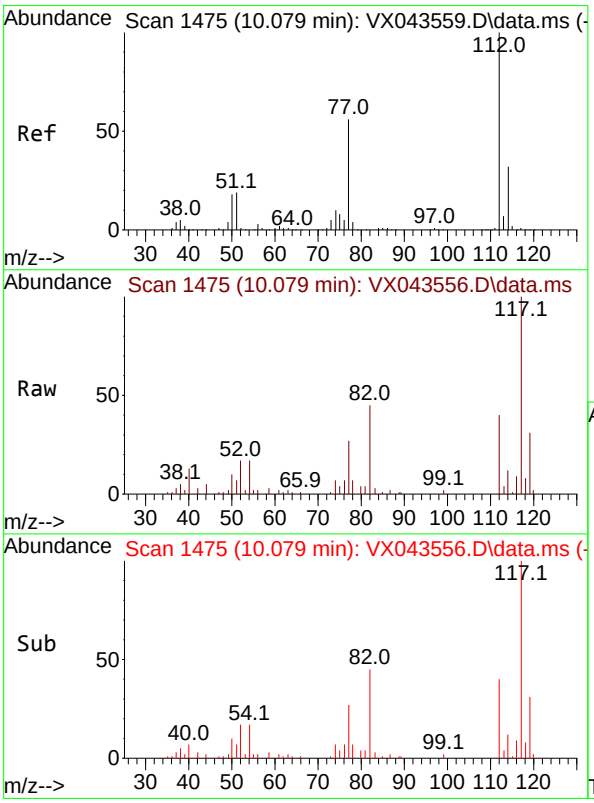
Ion	Ratio	Lower	Upper
164	100		
166	114.5	103.8	155.6
129	82.7	83.8	125.6#
131	79.5	80.6	121.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

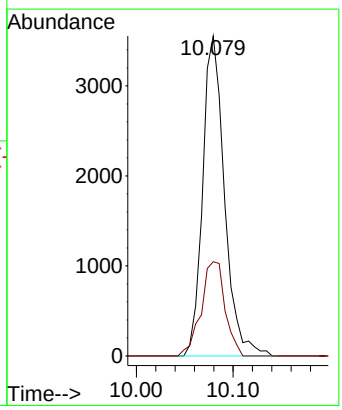
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

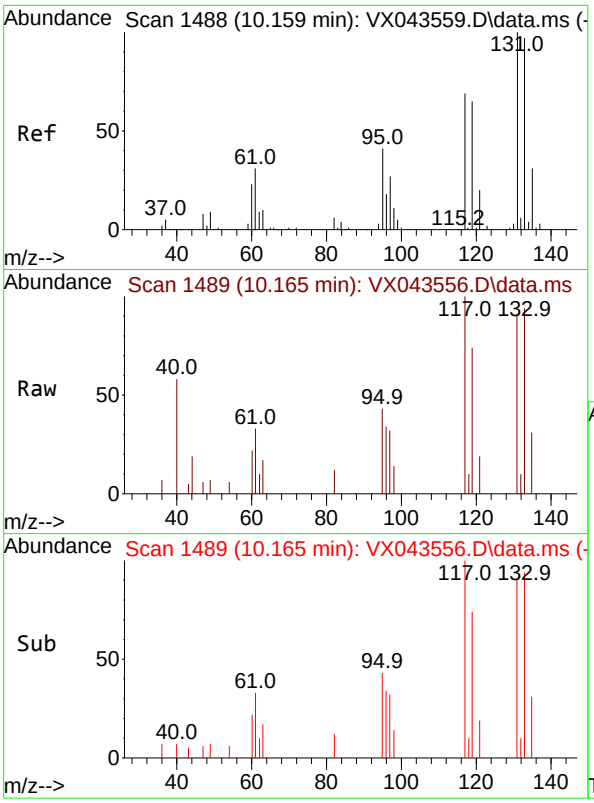


#65
Chlorobenzene
Concen: 1.056 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:112 Resp: 5570

Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.0	37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 0.856 ug/l
RT: 10.165 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

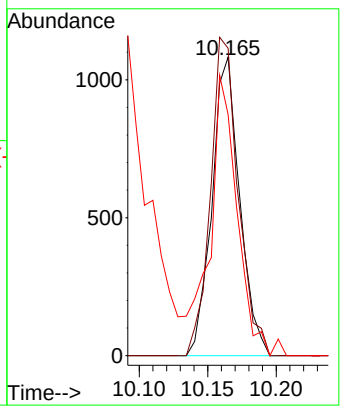
Tgt Ion:131 Resp: 152

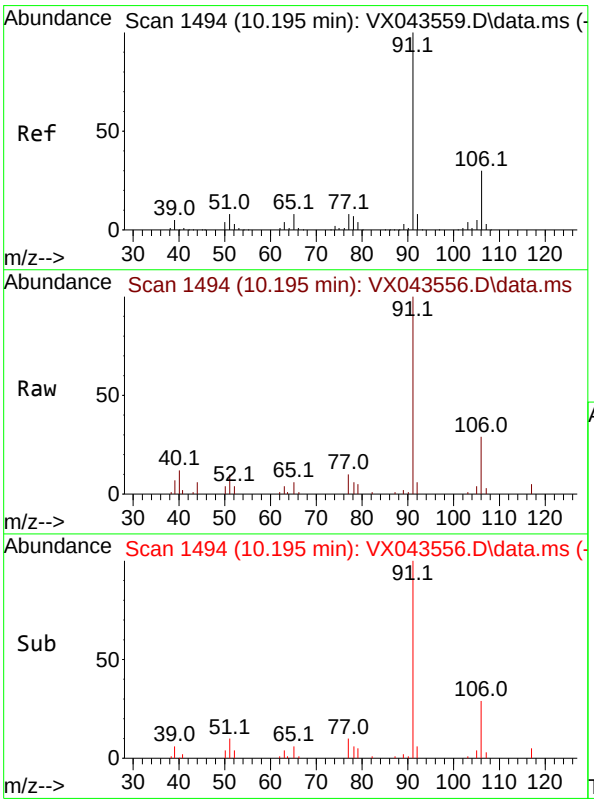
Ion	Ratio	Lower	Upper
131	100		
133	106.8	48.0	144.0
119	0.0	32.3	96.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

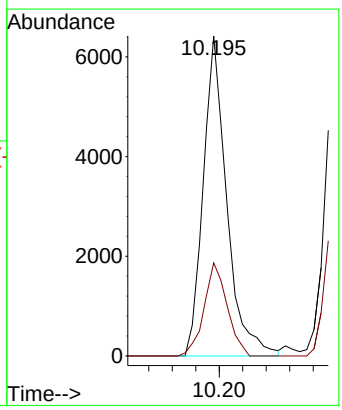


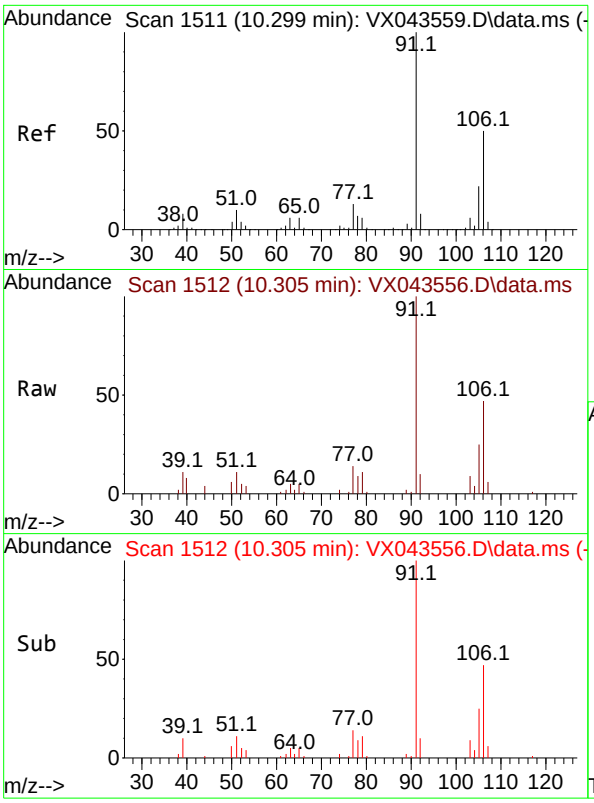


#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 91 Resp: 8911

Ion	Ratio	Lower	Upper
91	100		
106	29.1	25.4	38.2





#68
m/p-Xylenes
Concen: 1.908 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

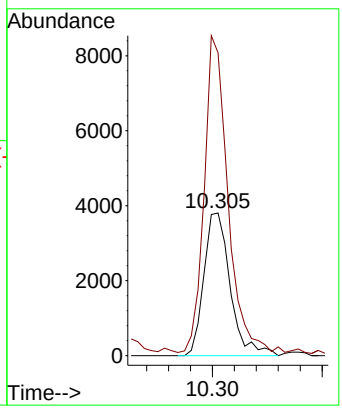
Tgt Ion:106 Resp: 6344

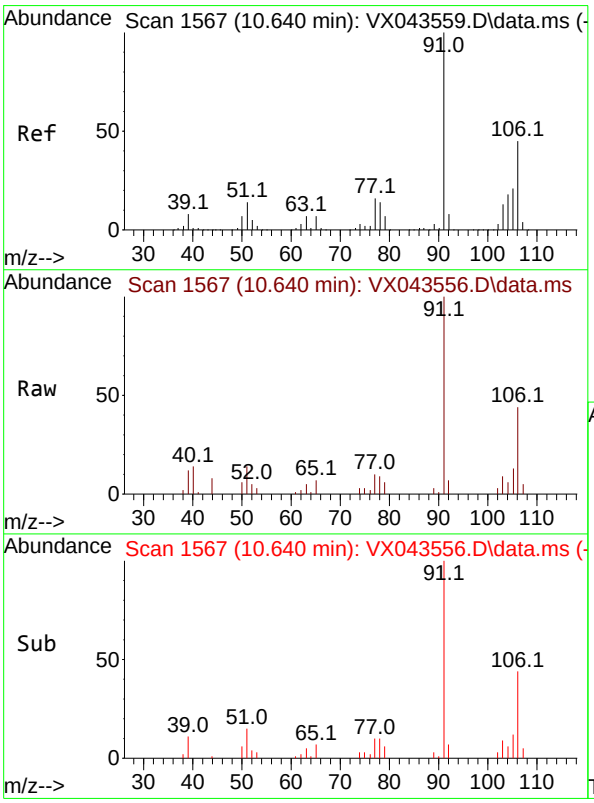
Ion	Ratio	Lower	Upper
106	100		
91	200.2	164.7	247.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

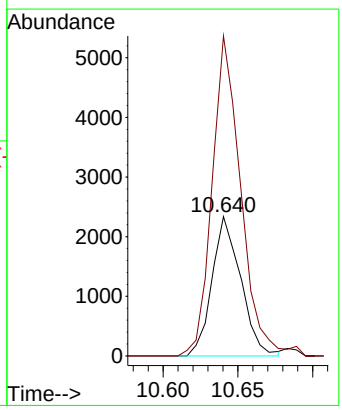


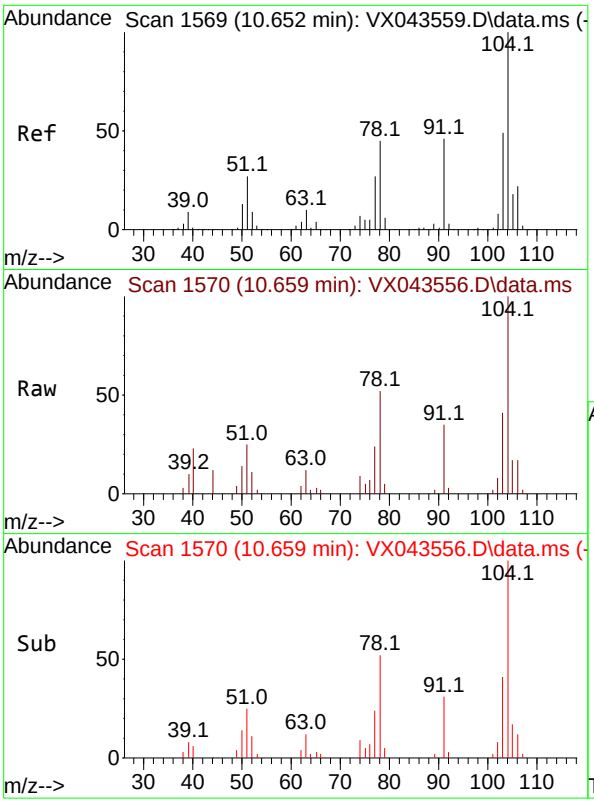


#69
o-Xylene
Concen: 0.914 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:106 Resp: 3125

Ion	Ratio	Lower	Upper
106	100		
91	229.7	107.9	323.7

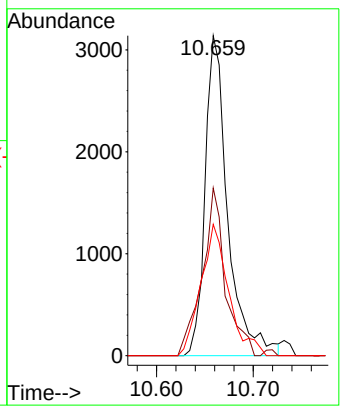




#70
Styrene
Concen: 0.923 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:104 Resp: 510

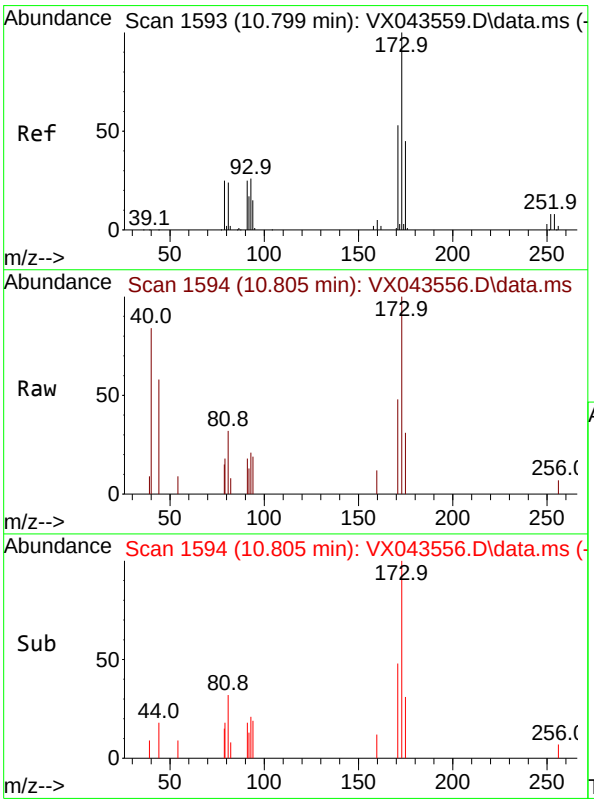
Ion	Ratio	Lower	Upper
104	100		
78	53.7	40.0	60.0
103	50.3	43.4	65.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

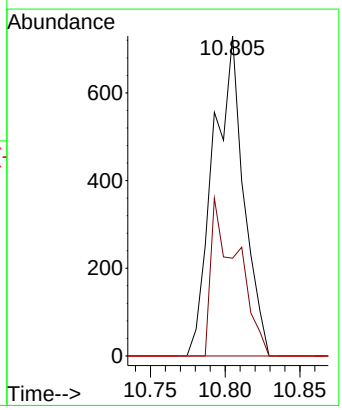
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

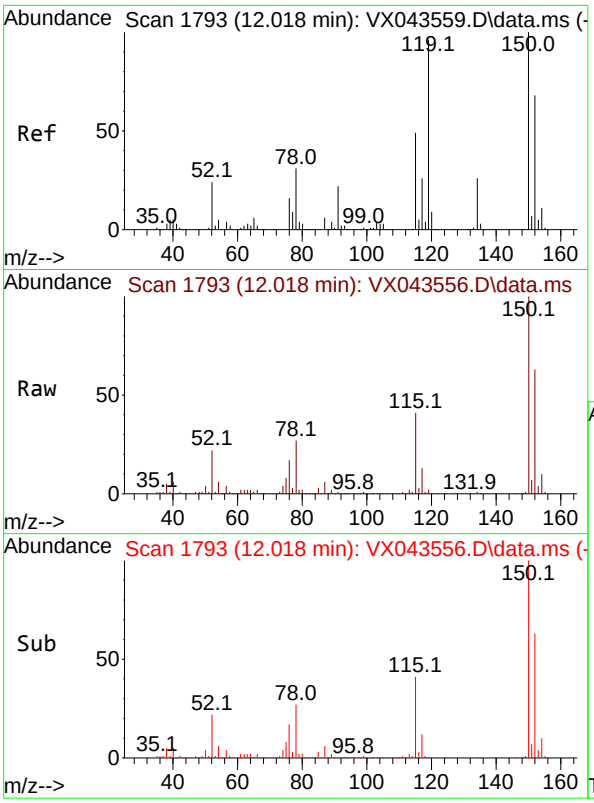


#71
Bromoform
Concen: 0.859 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:173 Resp: 1032

Ion	Ratio	Lower	Upper
173	100		
175	42.9	23.3	69.9
254	0.0	0.0	0.0

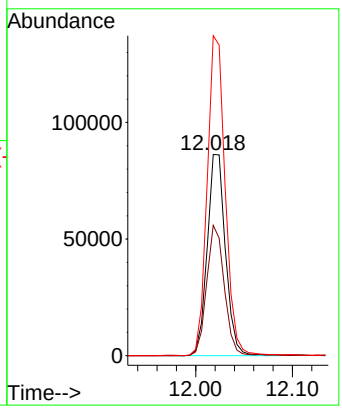




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:152 Resp: 11352

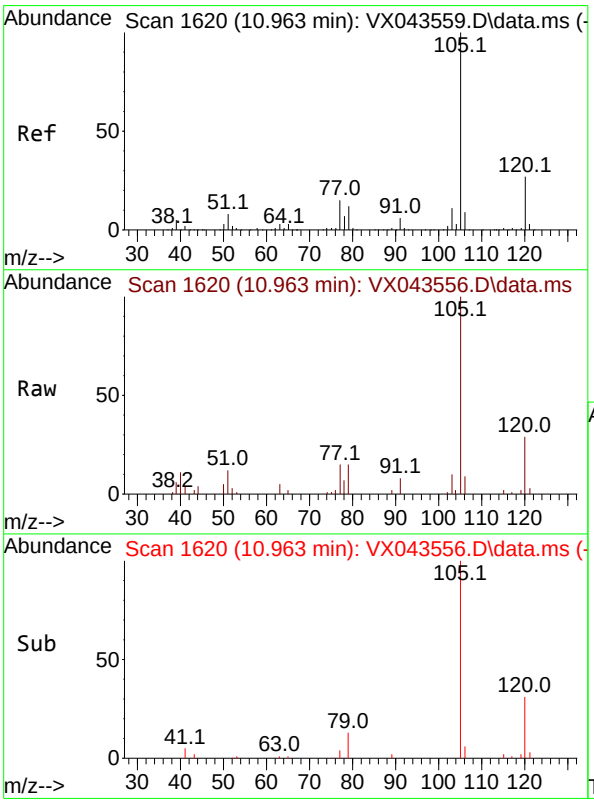
Ion	Ratio	Lower	Upper
152	100		
115	62.7	42.9	128.7
150	157.2	0.0	343.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

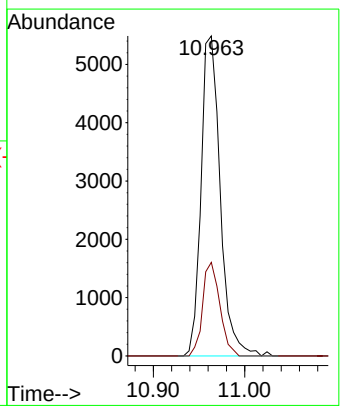
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

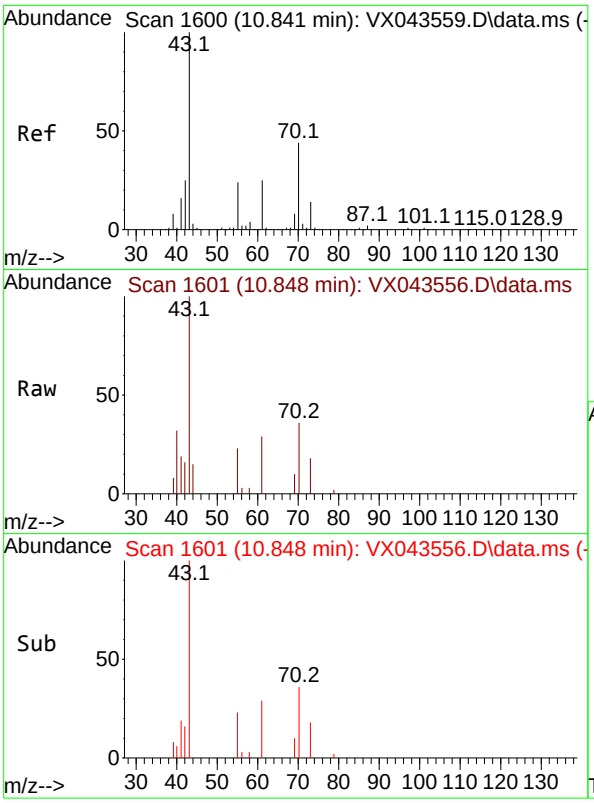


#73
Isopropylbenzene
Concen: 0.985 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:105 Resp: 7996

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

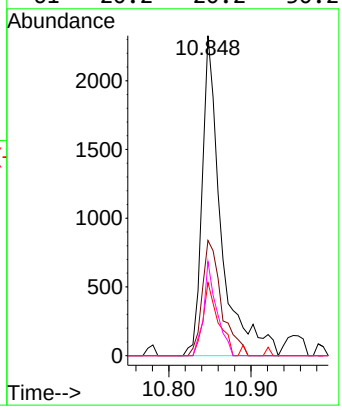




#74
N-amyl acetate
Concen: 0.915 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 373

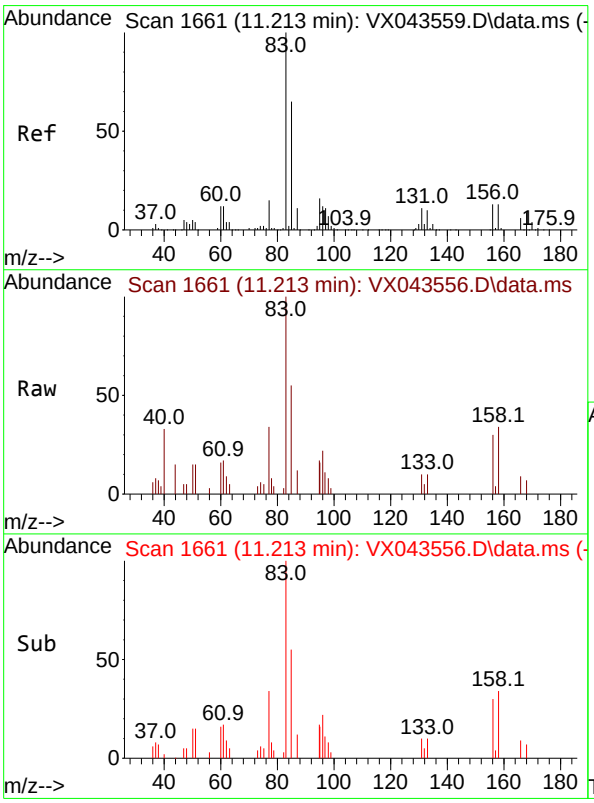
Ion	Ratio	Lower	Upper
43	100		
70	36.6	34.6	52.0
55	18.1	19.6	29.4
61	20.2	20.2	30.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

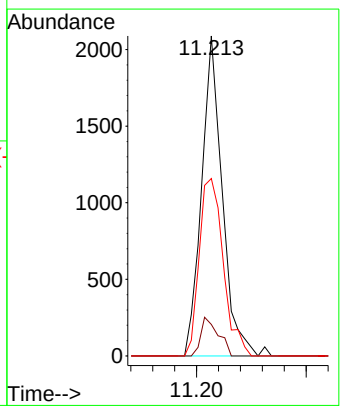
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

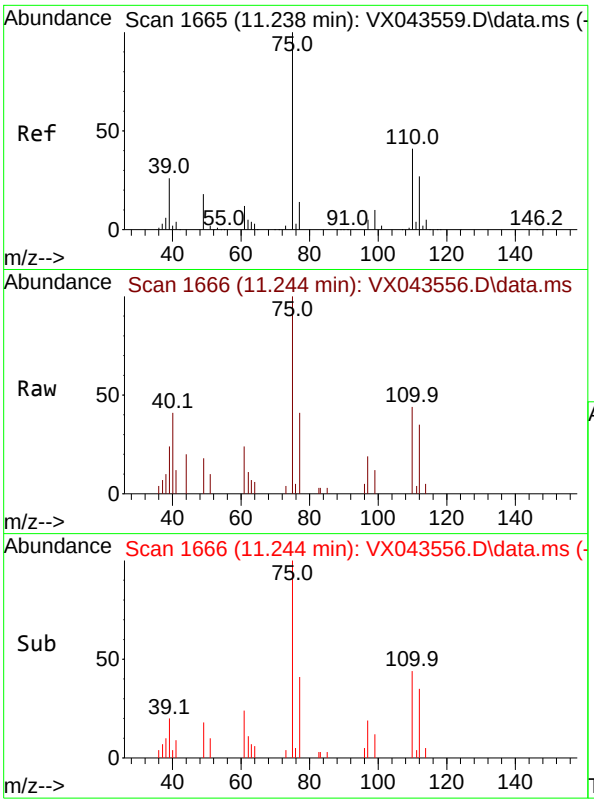


#75
1,1,2,2-Tetrachloroethane
Concen: 0.884 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 2747

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.9
85	64.2	32.4	97.0





#76
1,2,3-Trichloropropane
Concen: 0.799 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

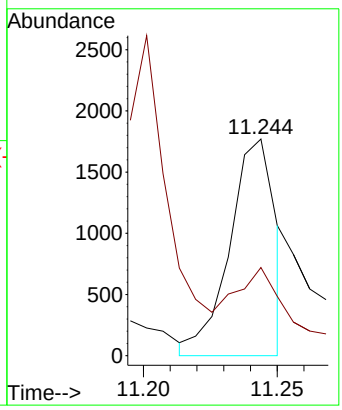
Tgt Ion: 75 Resp: 210

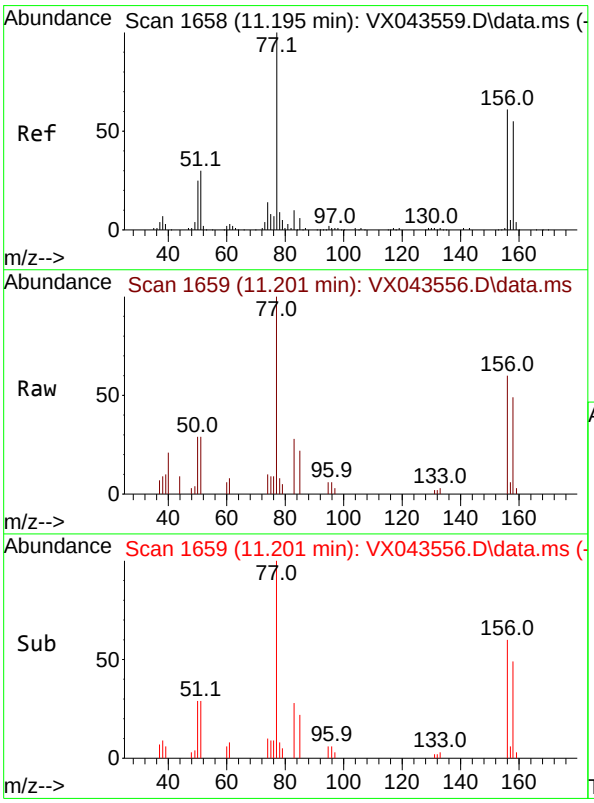
Ion	Ratio	Lower	Upper
75	100		
77	55.4	22.4	67.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

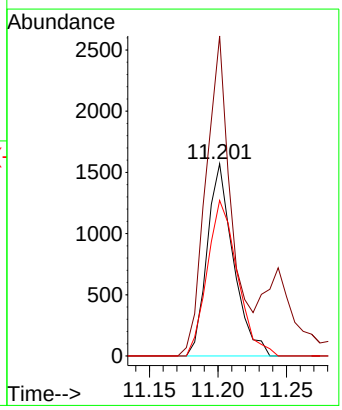


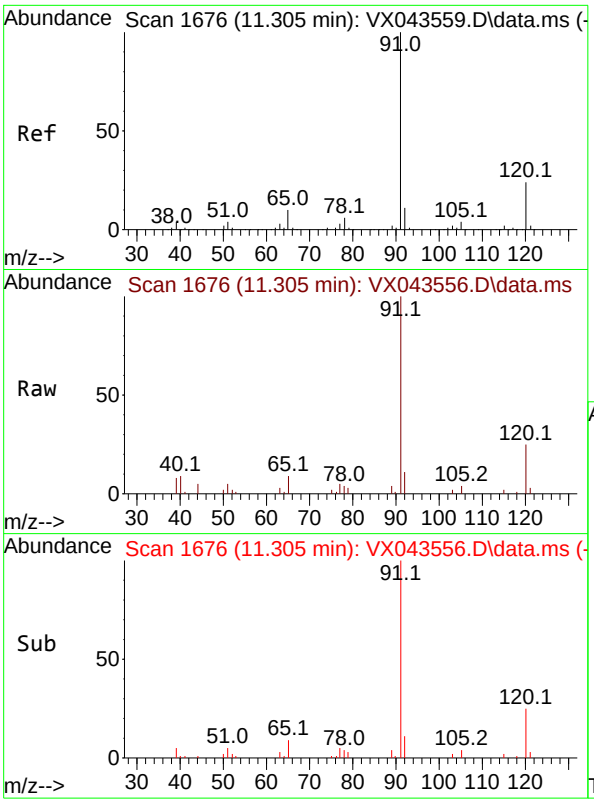


#77
Bromobenzene
Concen: 1.010 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:156 Resp: 2093

Ion	Ratio	Lower	Upper
156	100		
77	160.7	79.7	239.1
158	92.8	48.0	144.0





#78
n-propylbenzene
Concen: 0.966 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

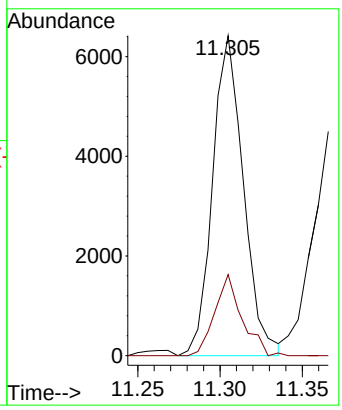
Tgt Ion: 91 Resp: 835

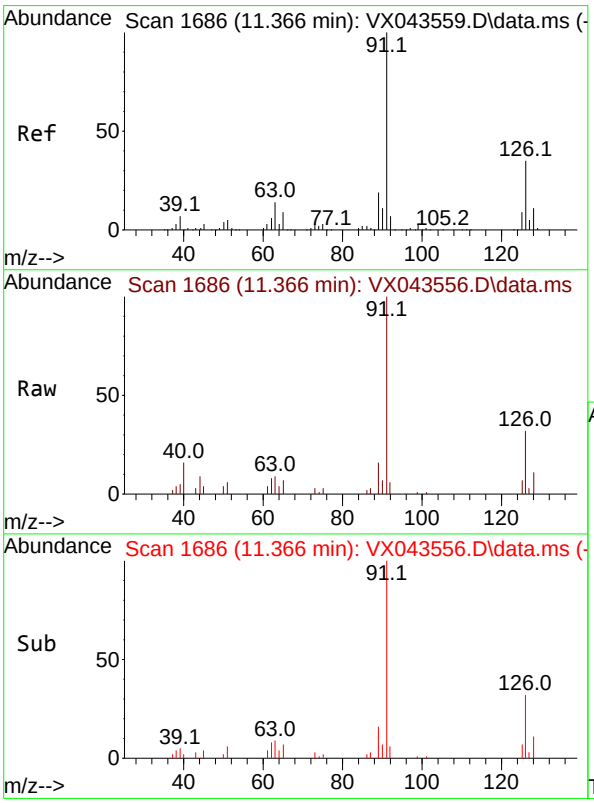
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.6	34.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

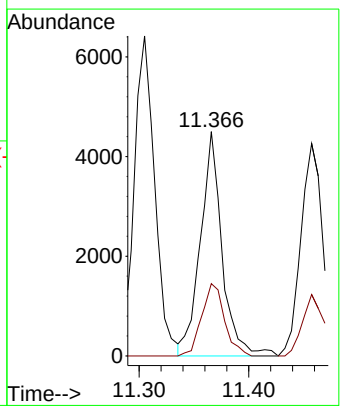


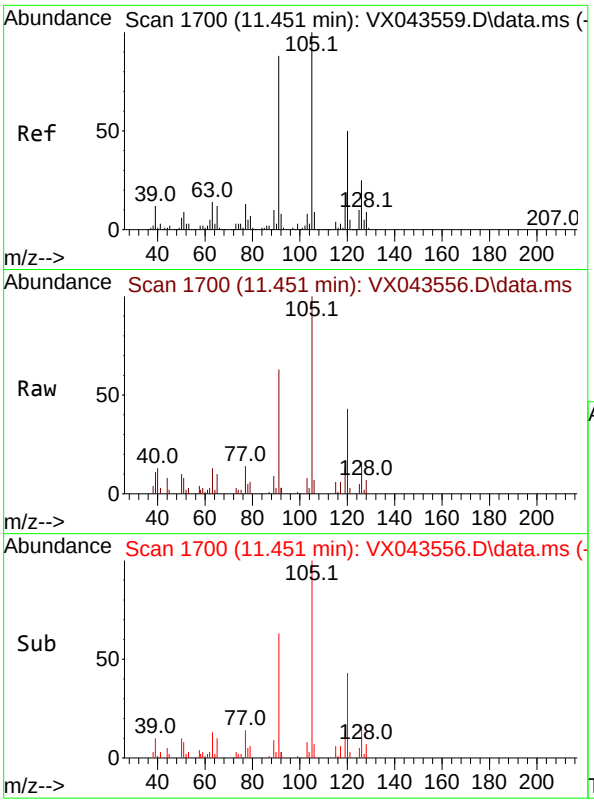


#79
2-Chlorotoluene
Concen: 1.066 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 91 Resp: 6183

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.7	50.0





#80
1,3,5-Trimethylbenzene
Concen: 0.930 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

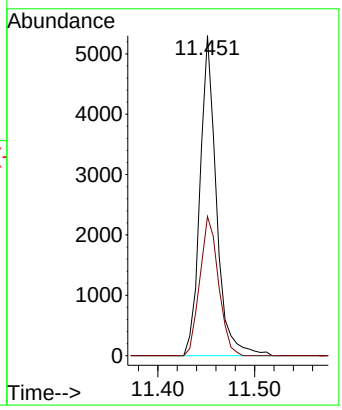
Tgt Ion:105 Resp: 626

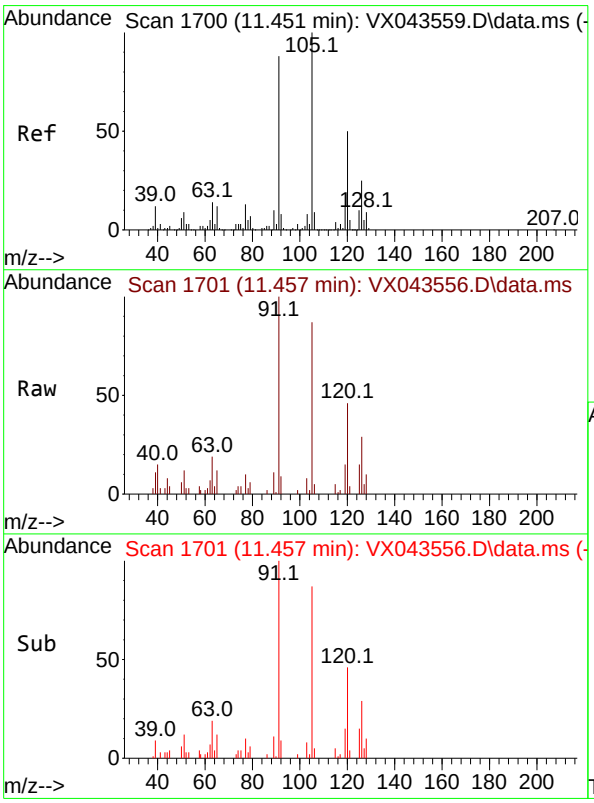
Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.8	71.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

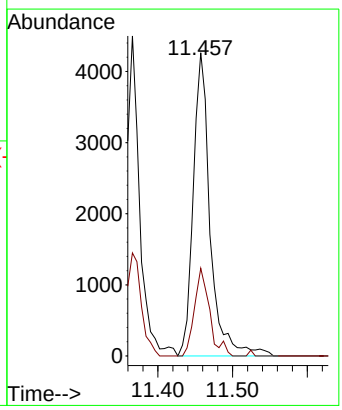


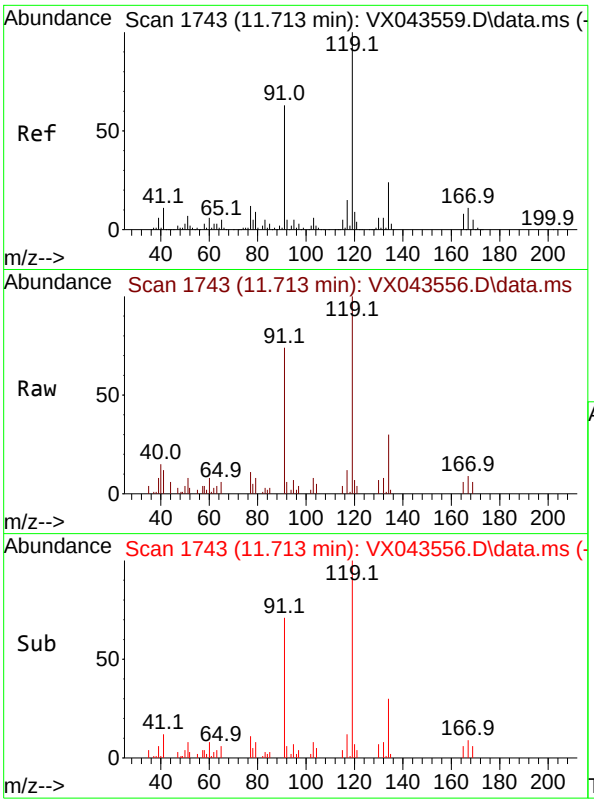


#82
4-Chlorotoluene
Concen: 1.043 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 91 Resp: 6699

Ion	Ratio	Lower	Upper
91	100		
126	25.9	14.2	42.8

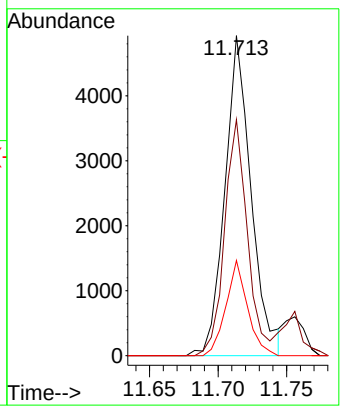




#83
tert-Butylbenzene
Concen: 0.953 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:119 Resp: 655

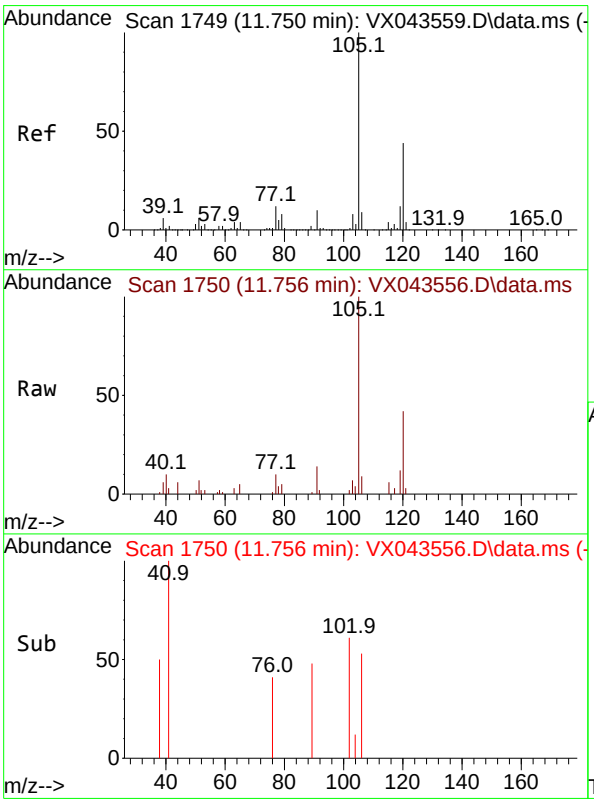
Ion	Ratio	Lower	Upper
119	100		
91	64.2	29.5	88.5
134	24.6	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

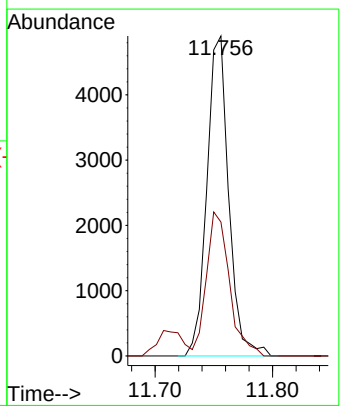
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

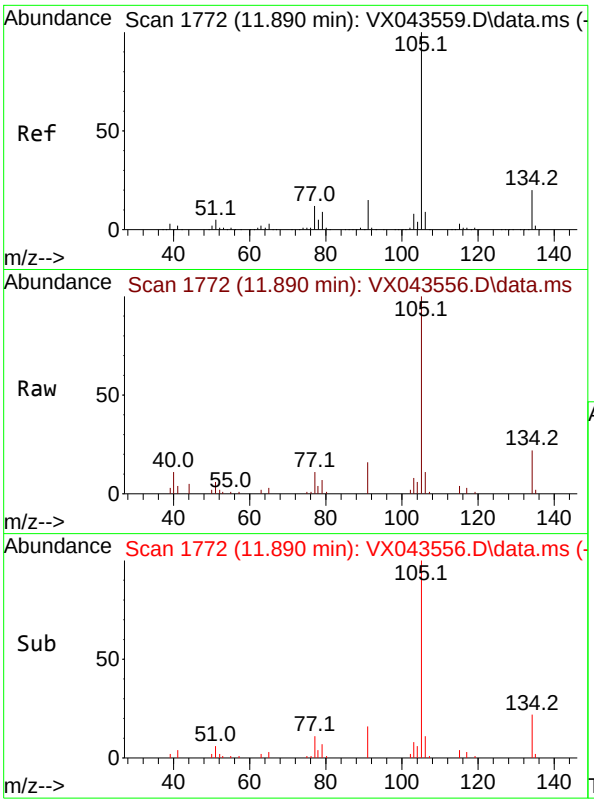


#84
1,2,4-Trimethylbenzene
Concen: 0.916 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:105 Resp: 6312

Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.1	66.1

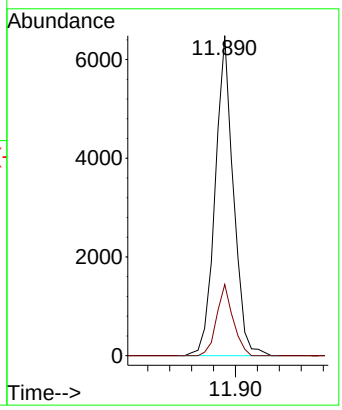




#85
sec-Butylbenzene
Concen: 0.940 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:105 Resp: 748

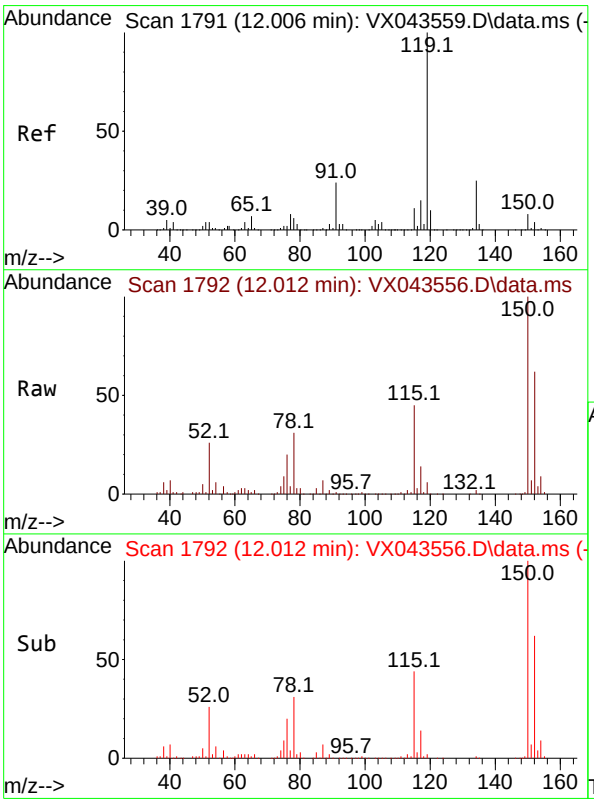
Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

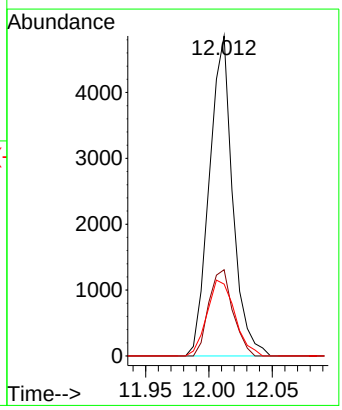
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

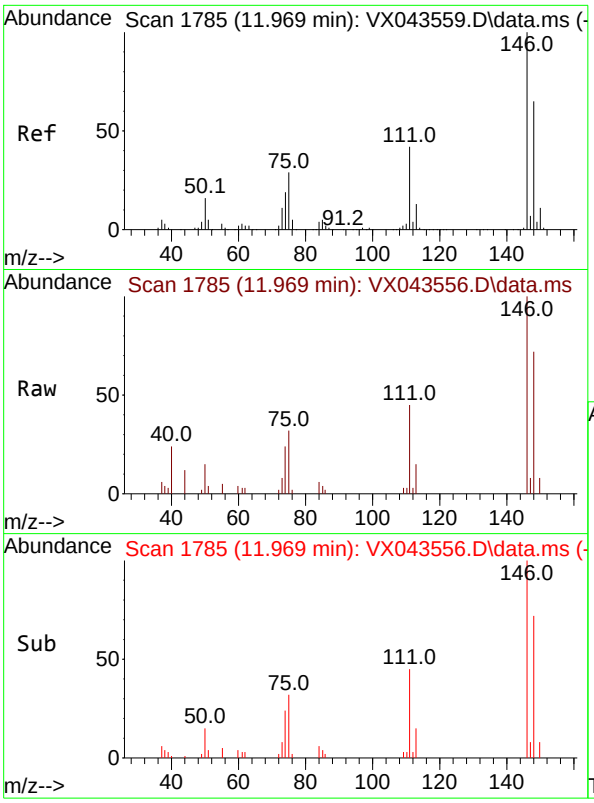


#86
p-Isopropyltoluene
Concen: 0.944 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:119 Resp: 6224

Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.1	39.1
91	28.2	12.4	37.0

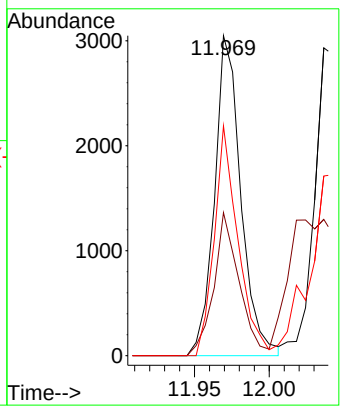




#87
1,3-Dichlorobenzene
Concen: 1.005 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:146 Resp: 373

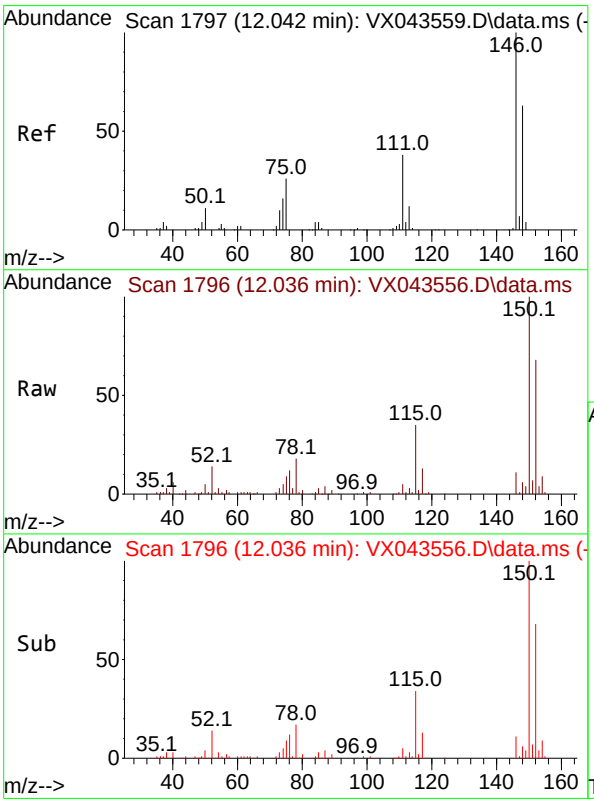
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.4
148	64.8	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

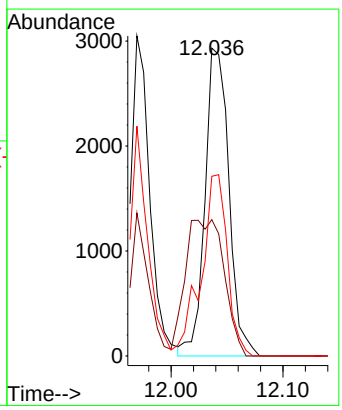
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

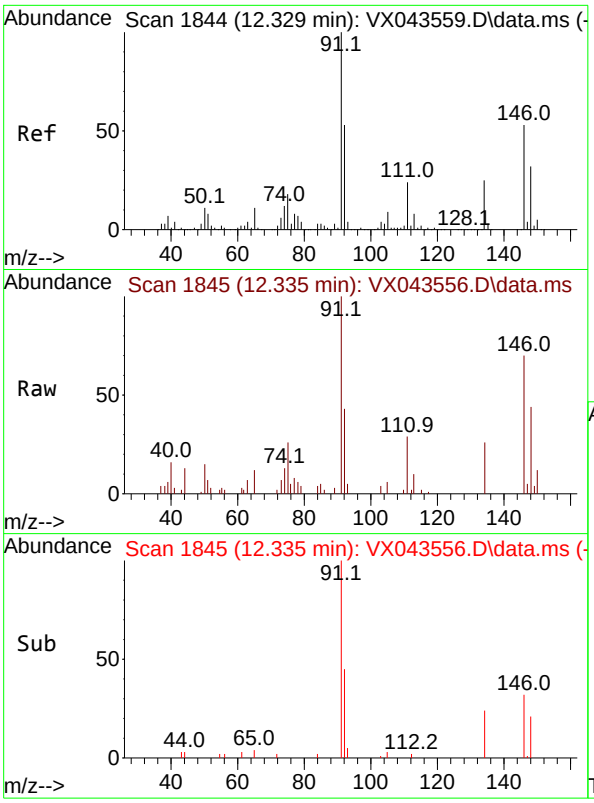


#88
1,4-Dichlorobenzene
Concen: 1.162 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:146 Resp: 4352

Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.4	61.3
148	55.6	31.9	95.9

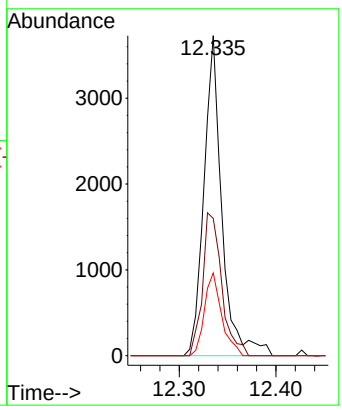




#89
n-Butylbenzene
Concen: 0.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 91 Resp: 480

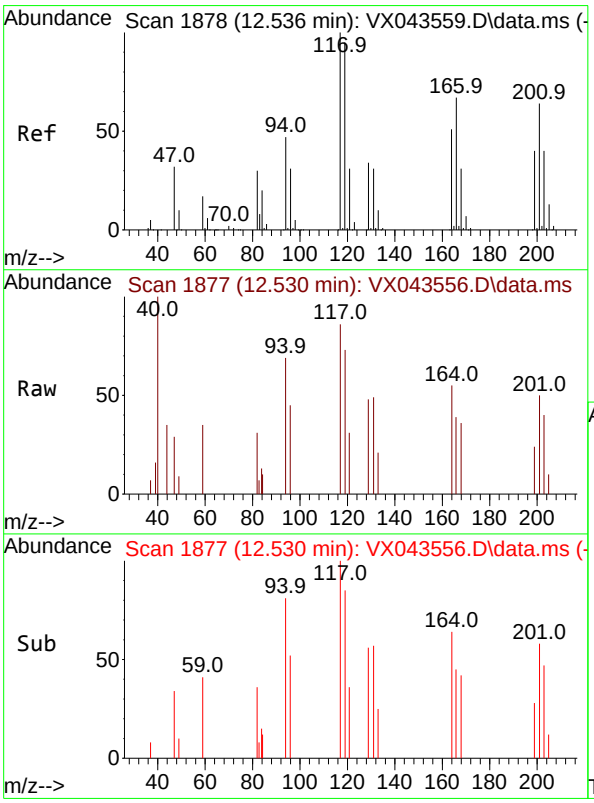
Ion	Ratio	Lower	Upper
91	100		
92	47.7	27.1	81.2
134	24.9	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

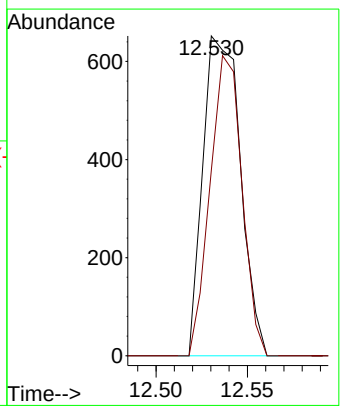
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

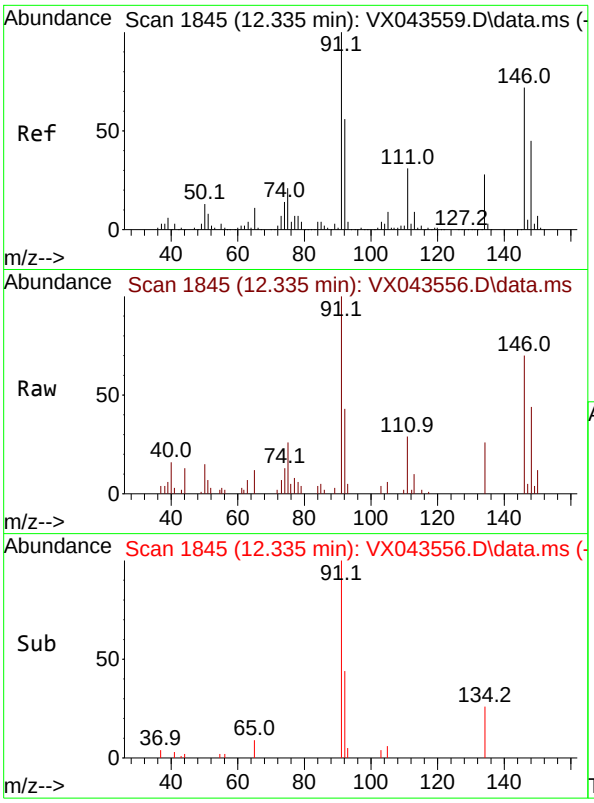


#90
Hexachloroethane
Concen: 0.868 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:117 Resp: 926

Ion	Ratio	Lower	Upper
117	100		
201	80.3	32.9	98.7

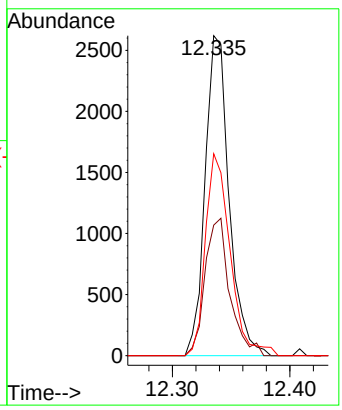




#91
1,2-Dichlorobenzene
Concen: 0.970 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:146 Resp: 371

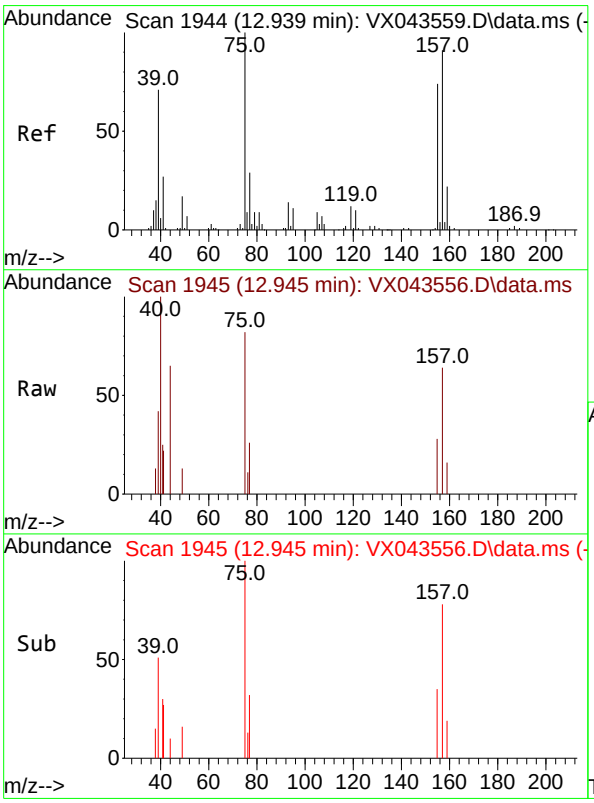
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	64.6
148	65.0	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

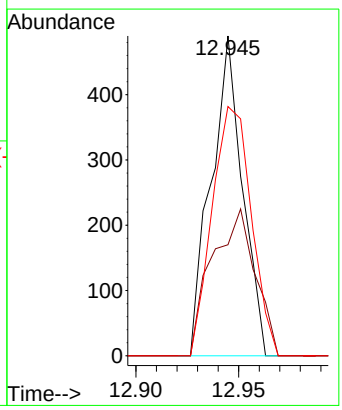
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

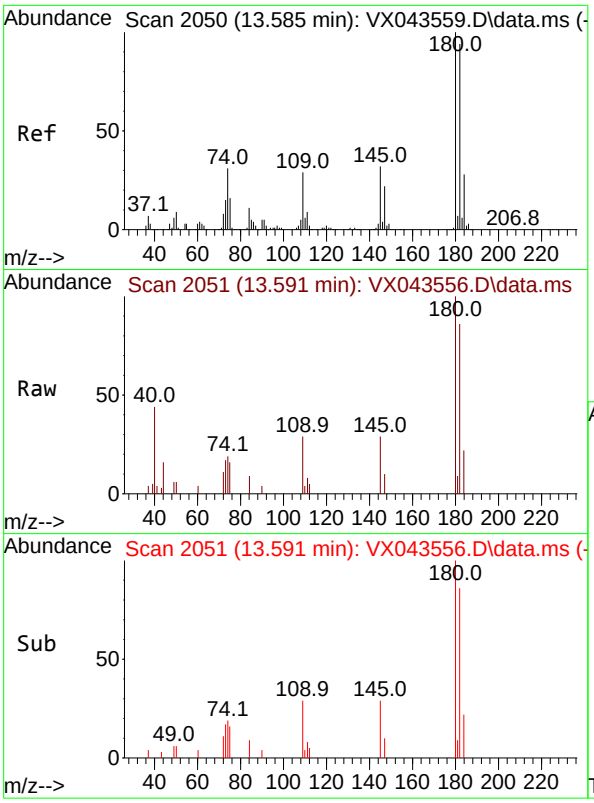


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.785 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 519

Ion	Ratio	Lower	Upper
75	100		
155	63.2	40.1	120.3
157	97.7	50.8	152.4

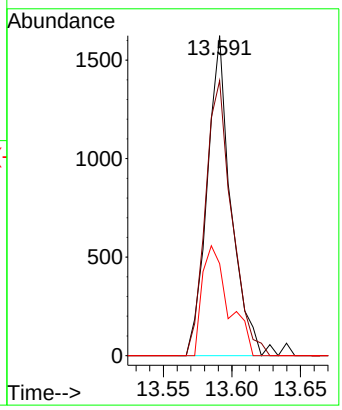




#93
1,2,4-Trichlorobenzene
Concen: 0.876 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:180 Resp: 196

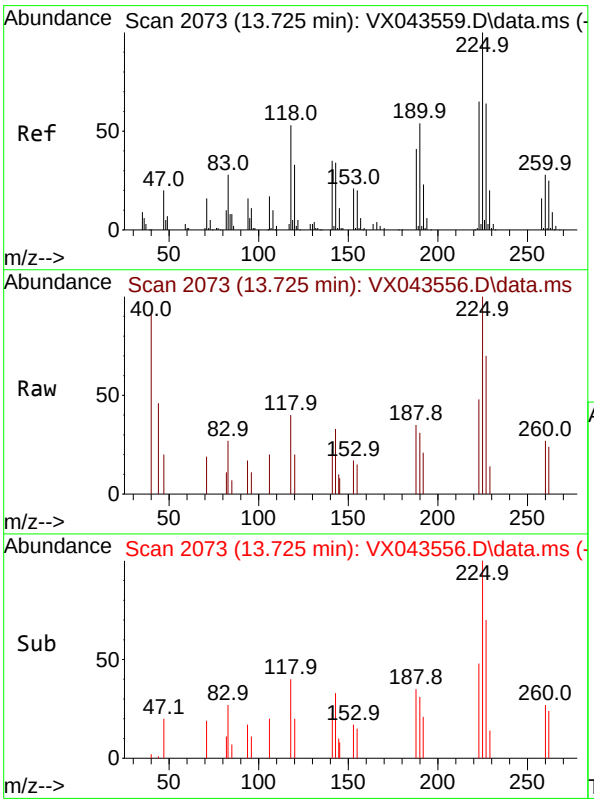
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.4
145	37.9	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

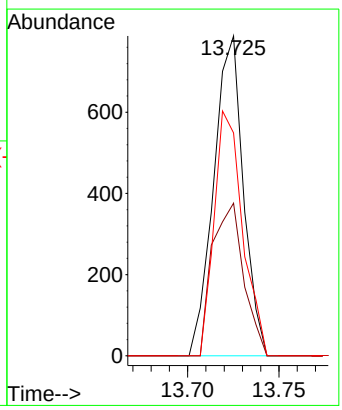
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

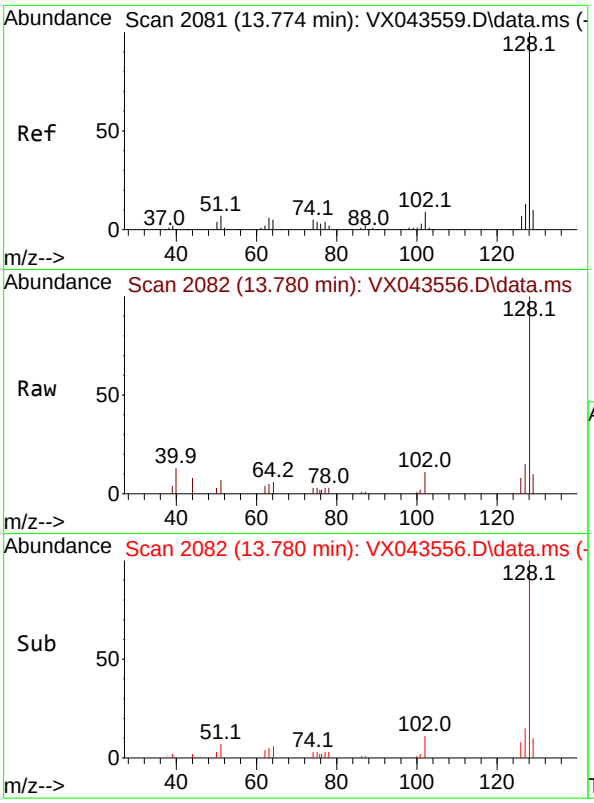


#94
Hexachlorobutadiene
Concen: 1.119 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:225 Resp: 889

Ion	Ratio	Lower	Upper
225	100		
223	50.4	30.8	92.4
227	73.3	31.6	94.8

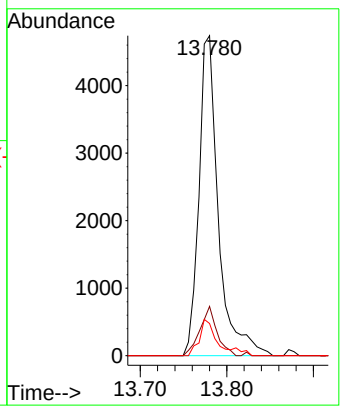




#95
Naphthalene
Concen: 0.801 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:128 Resp: 737

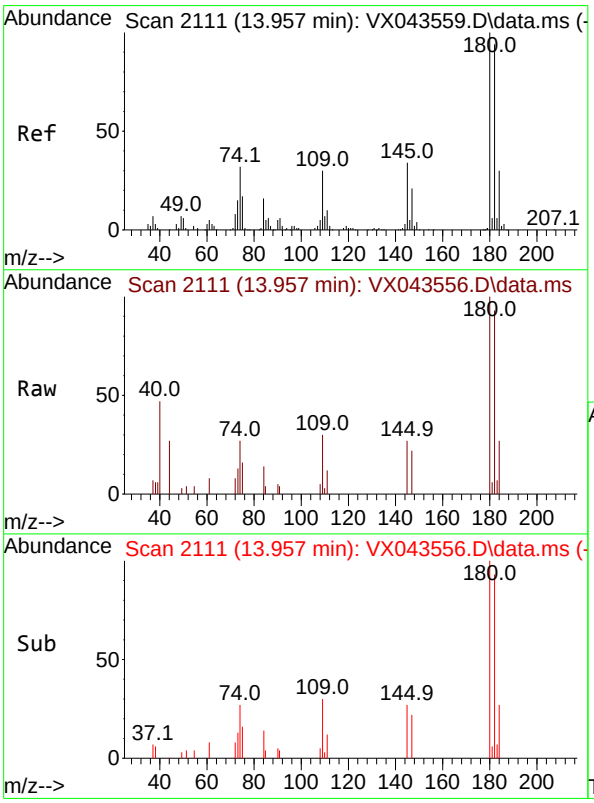
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

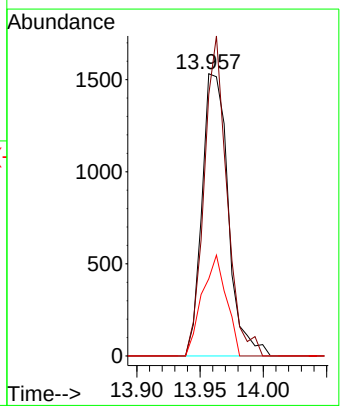
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.943 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:180 Resp: 2215

Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.1	141.3
145	32.8	17.4	52.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	155093	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	287211	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	250063	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111781	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	13988	5.686	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.380%#			
35) Dibromofluoromethane	5.385	113	10276	5.373	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.740%#			
50) Toluene-d8	8.647	98	36059	5.438	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.880%#			
62) 4-Bromofluorobenzene	11.079	95	12799	5.284	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.560%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	8579	4.962	ug/l		96
3) Chloromethane	1.295	50	10900	4.942	ug/l		95
4) Vinyl Chloride	1.374	62	10451	5.202	ug/l		99
5) Bromomethane	1.599	94	4136	5.271	ug/l		92
6) Chloroethane	1.660	64	3330	5.066	ug/l	#	82
7) Trichlorofluoromethane	1.861	101	12037	4.565	ug/l		96
8) Diethyl Ether	2.136	74	5822	5.055	ug/l		91
9) 1,1,2-Trichlorotrifluo...	2.313	101	8472	5.091	ug/l		98
10) Methyl Iodide	2.441	142	11260	4.886	ug/l		100
11) Tert butyl alcohol	3.038	59	10188	19.389	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	8606	5.260	ug/l		91
13) Acrolein	2.239	56	9609	23.207	ug/l		99
14) Allyl chloride	2.654	41	13656	4.703	ug/l		96
15) Acrylonitrile	3.075	53	25966	22.307	ug/l		99
16) Acetone	2.392	43	24830	23.644	ug/l		99
17) Carbon Disulfide	2.496	76	15112	4.462	ug/l	#	95
18) Methyl Acetate	2.709	43	14366	4.552	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	31411	4.934	ug/l		99
20) Methylene Chloride	2.782	84	10845	5.284	ug/l		98
21) trans-1,2-Dichloroethene	3.087	96	8639	4.877	ug/l		95
22) Diisopropyl ether	3.764	45	30888	5.154	ug/l	#	86
23) Vinyl Acetate	3.721	43	119942	24.227	ug/l		98
24) 1,1-Dichloroethane	3.605	63	17144	5.072	ug/l		98
25) 2-Butanone	4.581	43	35818	22.456	ug/l		98
26) 2,2-Dichloropropane	4.471	77	14180	5.820	ug/l		96
27) cis-1,2-Dichloroethene	4.483	96	11158	5.055	ug/l		98
28) Bromochloromethane	4.904	49	8209	4.909	ug/l		97
29) Tetrahydrofuran	5.026	42	23624	22.684	ug/l		97
30) Chloroform	5.093	83	18141	5.019	ug/l		95
31) Cyclohexane	5.458	56	13335	4.972	ug/l		88
32) 1,1,1-Trichloroethane	5.379	97	14721	4.846	ug/l		98
36) 1,1-Dichloropropene	5.690	75	11382	5.029	ug/l		98
37) Ethyl Acetate	4.733	43	11948	3.868	ug/l	#	94
38) Carbon Tetrachloride	5.672	117	12706	4.940	ug/l		99
39) Methylcyclohexane	7.379	83	14623	5.038	ug/l		94
40) Benzene	6.038	78	40098	5.300	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	6345	4.083	ug/l	#	81
42) 1,2-Dichloroethane	6.092	62	14018	5.037	ug/l		99
43) Isopropyl Acetate	6.355	43	23242	4.756	ug/l		99
44) Trichloroethene	7.123	130	9917	5.528	ug/l		93
45) 1,2-Dichloropropane	7.434	63	9734	5.268	ug/l		91
46) Dibromomethane	7.586	93	7576	5.337	ug/l		96
47) Bromodichloromethane	7.818	83	11922	4.735	ug/l		99
48) Methyl methacrylate	7.702	41	10543	4.621	ug/l		95
49) 1,4-Dioxane	7.690	88	4322	73.737	ug/l		88
51) 4-Methyl-2-Pentanone	8.580	43	71301	23.028	ug/l		98
52) Toluene	8.720	92	23888	5.121	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	12164	4.773	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	14227	5.084	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	9807	4.982	ug/l		97
56) Ethyl methacrylate	9.122	69	14989	4.712	ug/l		99
57) 1,3-Dichloropropane	9.311	76	16567	5.097	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.245	63	36952	23.613	ug/l		98
59) 2-Hexanone	9.439	43	52944	22.614	ug/l		99
60) Dibromochloromethane	9.519	129	8314	4.514	ug/l		96
61) 1,2-Dibromoethane	9.610	107	10094	5.087	ug/l		98
64) Tetrachloroethene	9.275	164	8068	5.154	ug/l		91
65) Chlorobenzene	10.080	112	27763	5.337	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	8622	4.907	ug/l		96
67) Ethyl Benzene	10.195	91	44094	5.095	ug/l		98
68) m/p-Xylenes	10.299	106	33988	10.367	ug/l		96
69) o-Xylene	10.640	106	17462	5.181	ug/l		98
70) Styrene	10.659	104	26381	4.836	ug/l		96
71) Bromoform	10.799	173	5147	4.345	ug/l	#	98
73) Isopropylbenzene	10.964	105	41185	5.155	ug/l		99
74) N-amyl acetate	10.848	43	19116	4.750	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	15141	4.947	ug/l		95
76) 1,2,3-Trichloropropane	11.238	75	13527m	5.206	ug/l		
77) Bromobenzene	11.201	156	10564	5.179	ug/l		97
78) n-propylbenzene	11.305	91	42687	5.013	ug/l		99
79) 2-Chlorotoluene	11.366	91	29923	5.237	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	34706	5.232	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	3243	3.808	ug/l	#	82
82) 4-Chlorotoluene	11.457	91	32648	5.163	ug/l		98
83) tert-Butylbenzene	11.713	119	34653	5.122	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	34775	5.125	ug/l		98
85) sec-Butylbenzene	11.890	105	39786	5.078	ug/l		99
86) p-Isopropyltoluene	12.006	119	33359	5.139	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	18951	5.178	ug/l		98
88) 1,4-Dichlorobenzene	12.043	146	19222	5.210	ug/l		93
89) n-Butylbenzene	12.329	91	24922	4.736	ug/l		98
90) Hexachloroethane	12.536	117	4704	4.480	ug/l		91
91) 1,2-Dichlorobenzene	12.335	146	19394	5.139	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	2456	3.771	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	11267	5.098	ug/l		98
94) Hexachlorobutadiene	13.725	225	4097	5.239	ug/l		96
95) Naphthalene	13.774	128	41834	4.613	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	11815	5.110	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

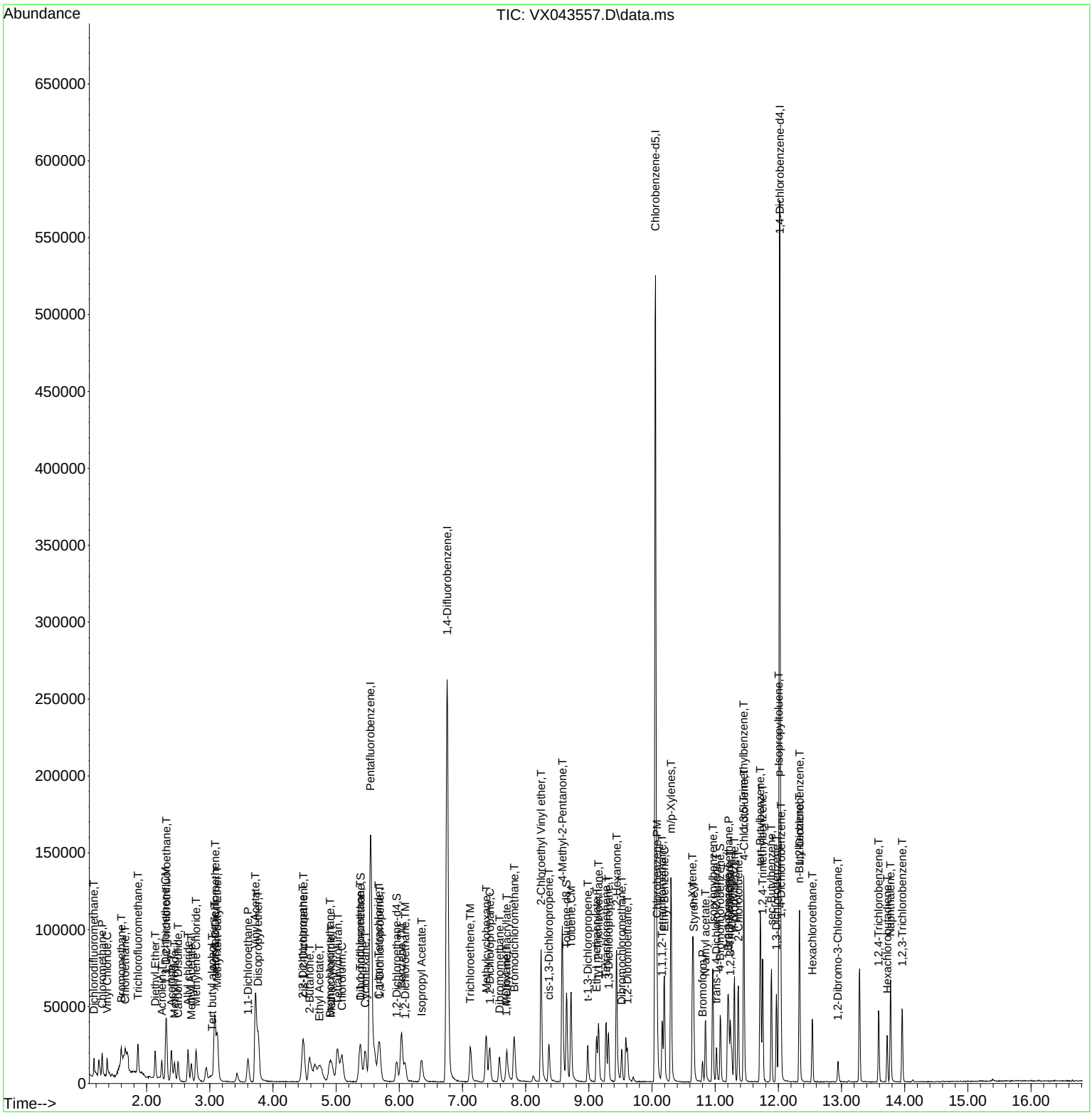
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

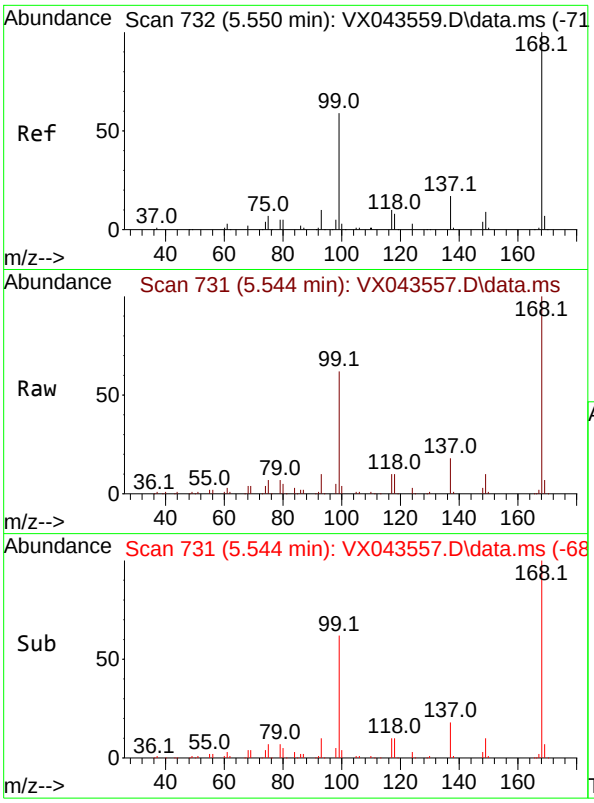
Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

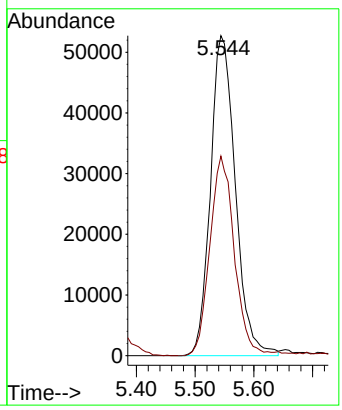




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:168 Resp: 15509

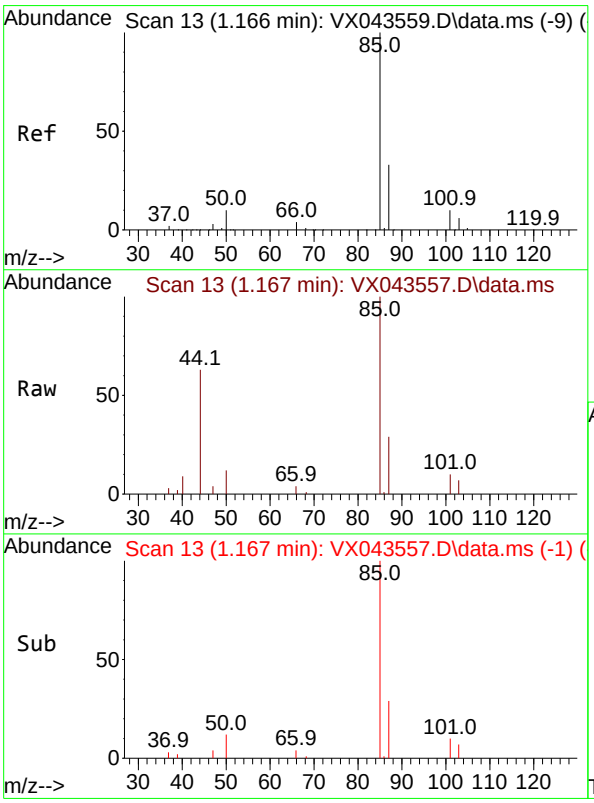
Ion	Ratio	Lower	Upper
168	100		
99	62.3	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

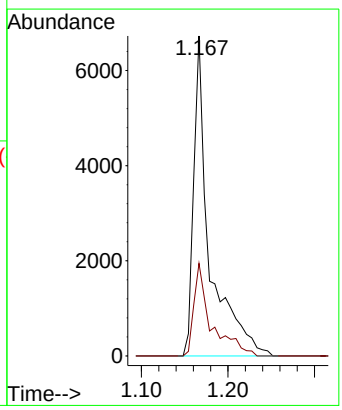
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

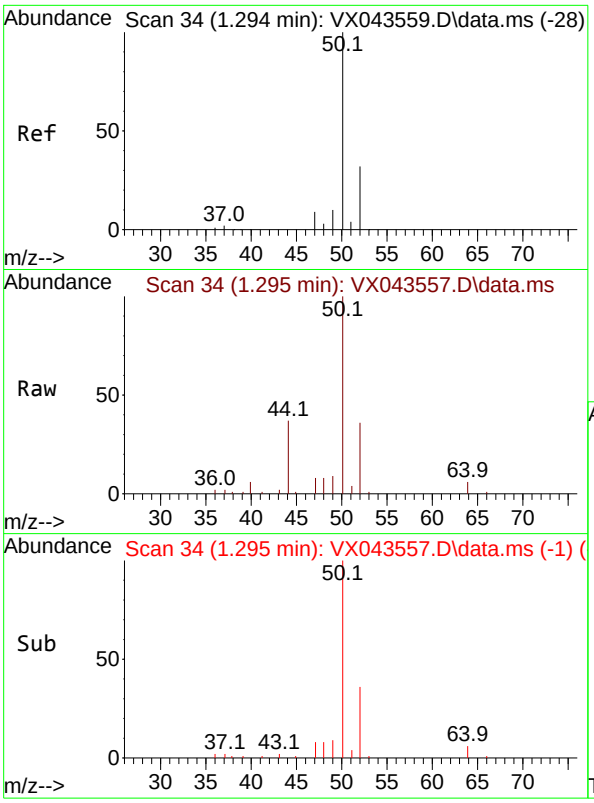


#2
Dichlorodifluoromethane
Concen: 4.962 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 85 Resp: 8579

Ion	Ratio	Lower	Upper
85	100		
87	28.9	15.7	47.0

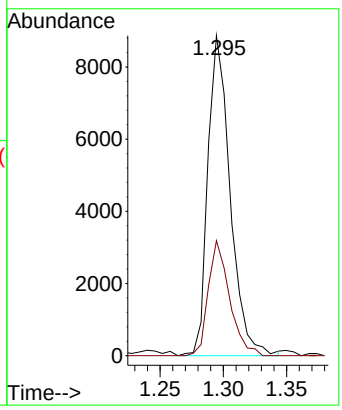




#3
Chloromethane
Concen: 4.942 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 50 Resp: 1090

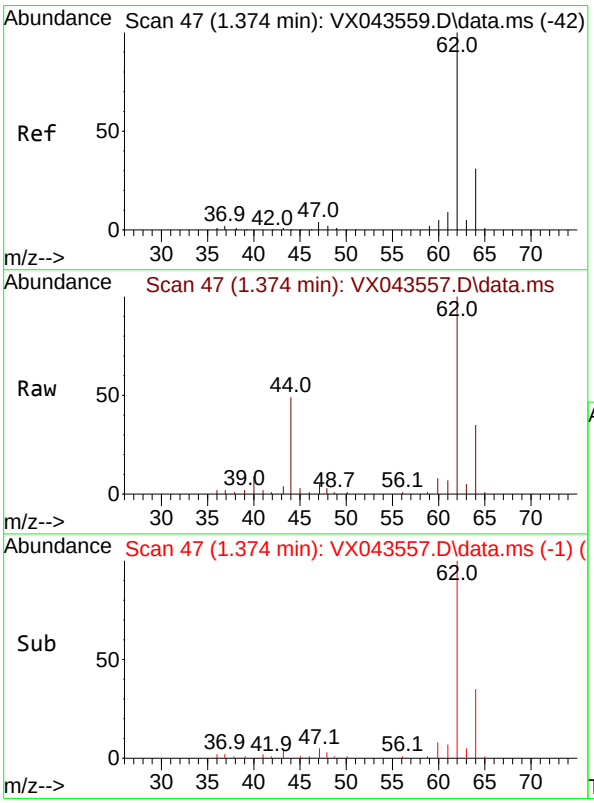
Ion	Ratio	Lower	Upper
50	100		
52	36.0	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

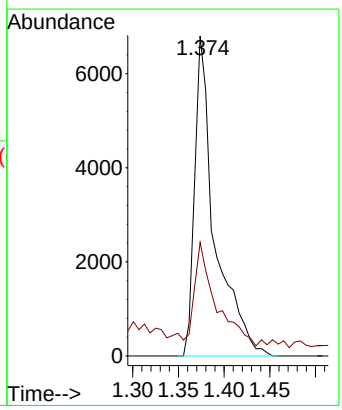
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

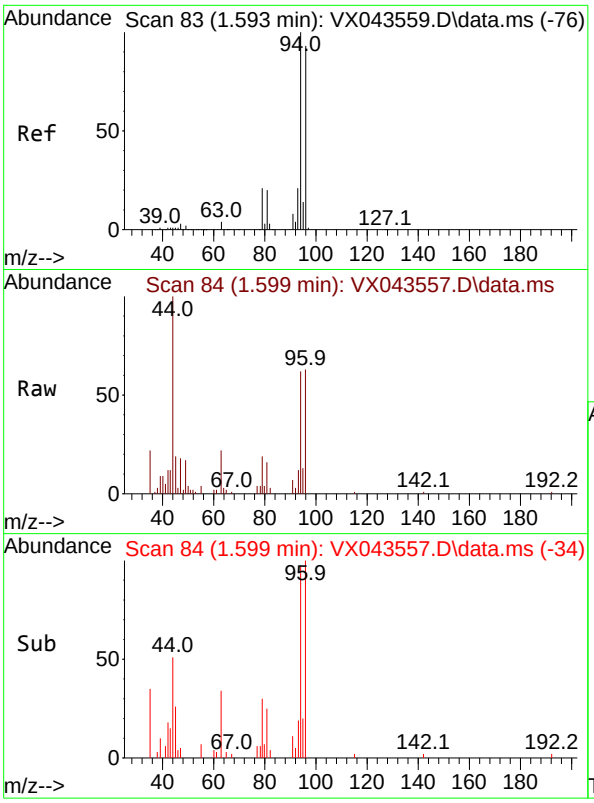


#4
Vinyl Chloride
Concen: 5.202 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 62 Resp: 10451

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.0	37.4

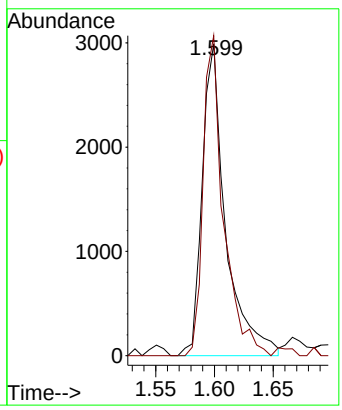




#5
Bromomethane
Concen: 5.271 ug/l
RT: 1.599 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 94 Resp: 413

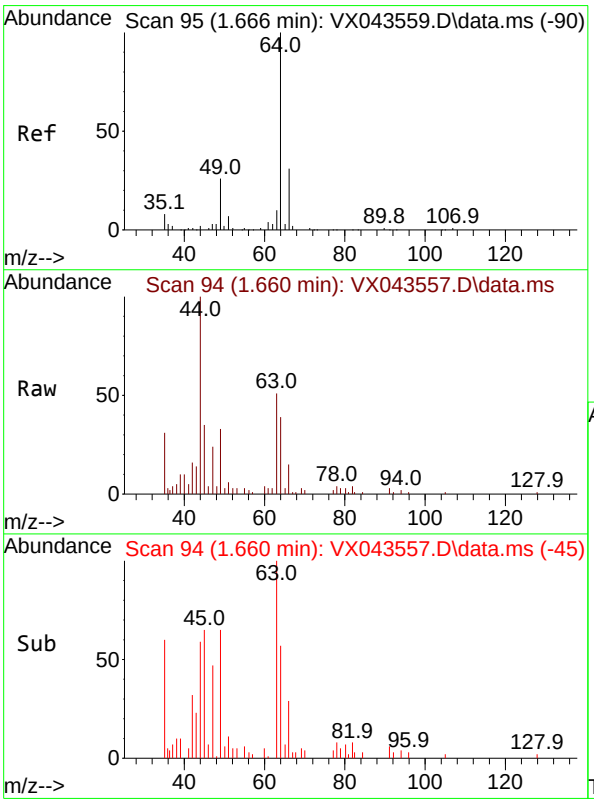
Ion	Ratio	Lower	Upper
94	100		
96	102.6	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

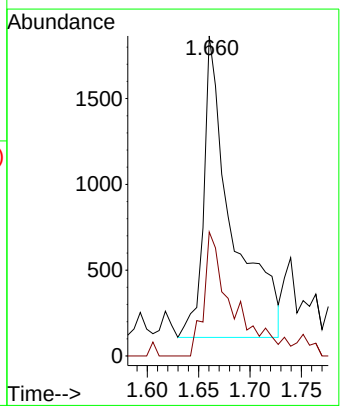
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

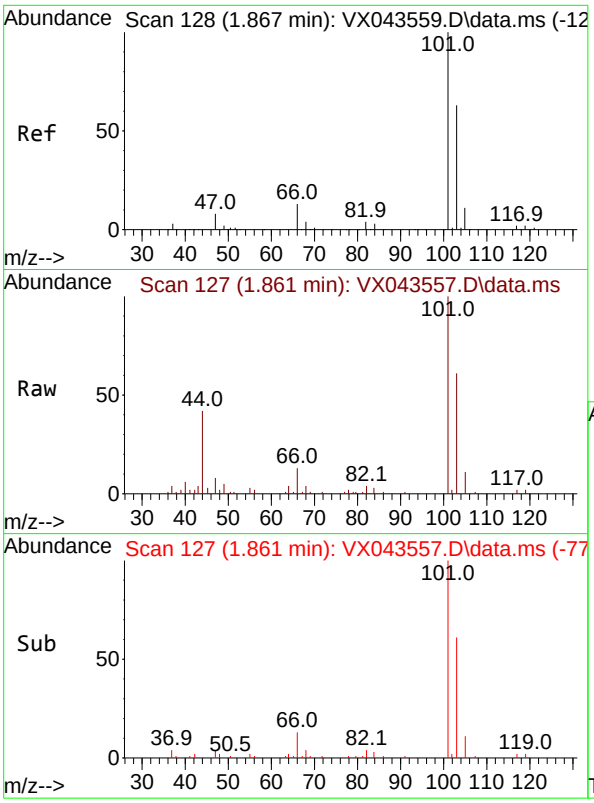


#6
Chloroethane
Concen: 5.066 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 64 Resp: 3330

Ion	Ratio	Lower	Upper
64	100		
66	41.1	25.1	37.7#

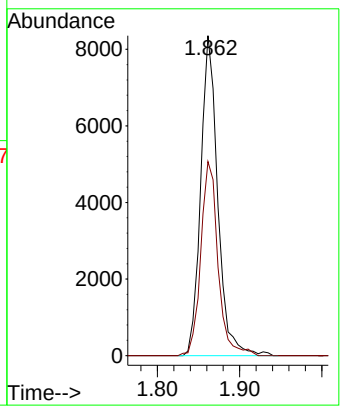




#7
Trichlorofluoromethane
Concen: 4.565 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:101 Resp: 1203

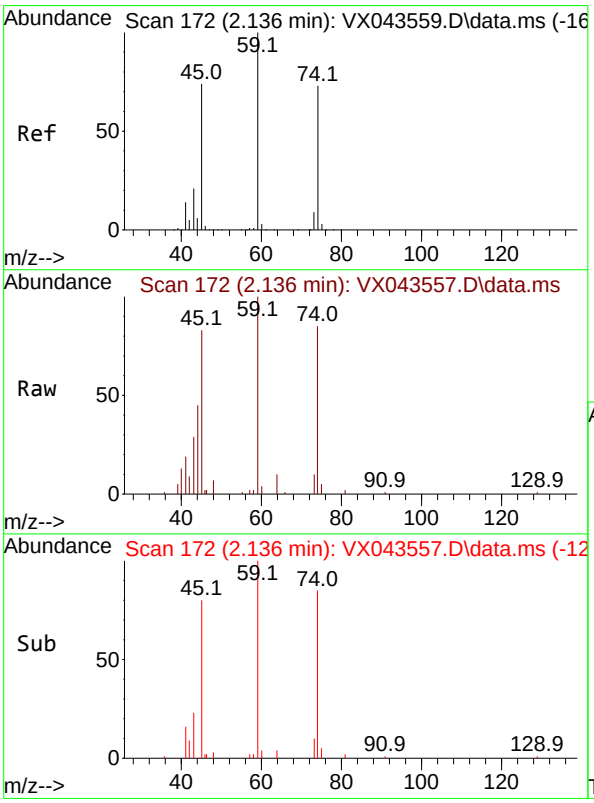
Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

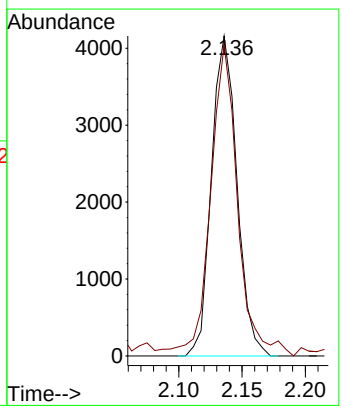
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

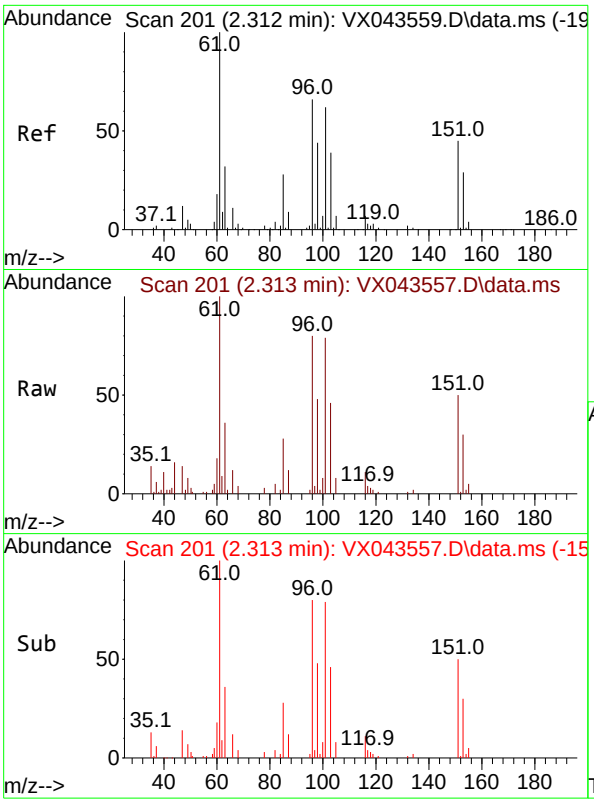


#8
Diethyl Ether
Concen: 5.055 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 74 Resp: 5822

Ion	Ratio	Lower	Upper
74	100		
45	103.4	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.091 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

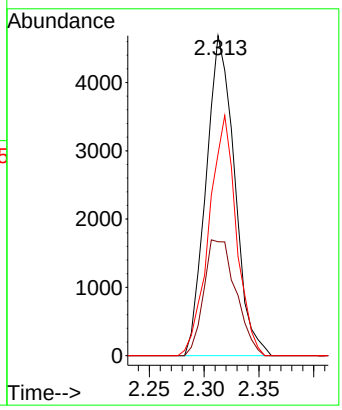
Tgt Ion:101 Resp: 847

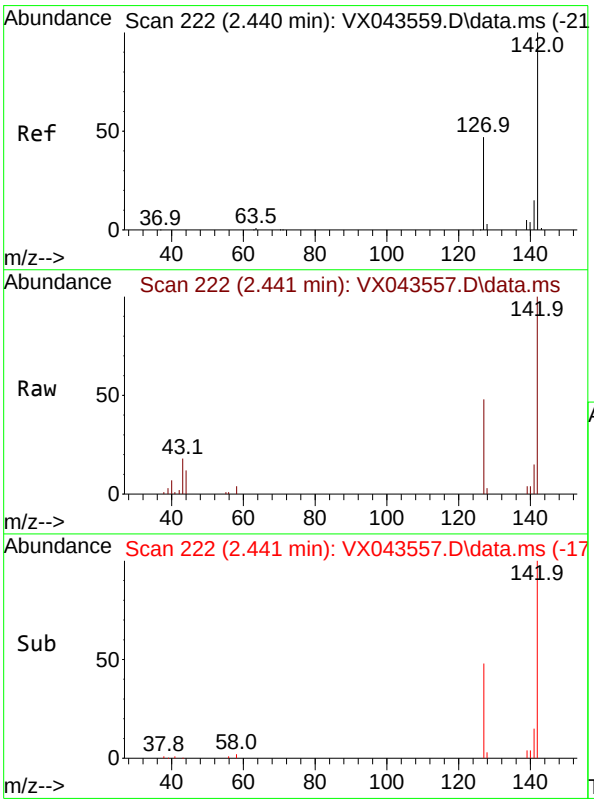
Ion	Ratio	Lower	Upper
101	100		
85	40.6	34.5	51.7
151	72.2	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

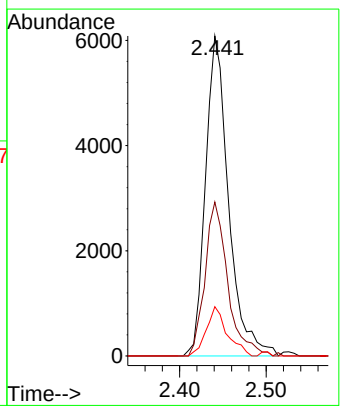


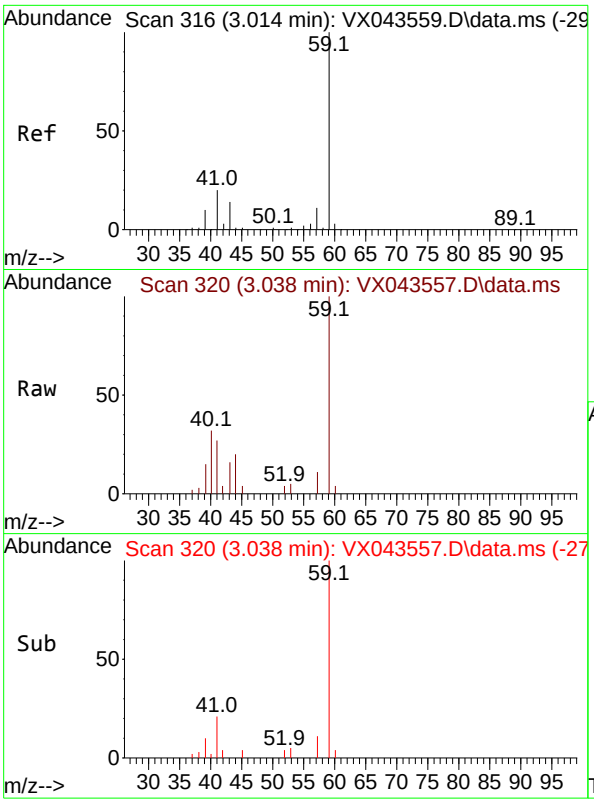


#10
Methyl Iodide
Concen: 4.886 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:142 Resp: 11260

Ion	Ratio	Lower	Upper
142	100		
127	47.6	38.2	57.4
141	14.0	11.5	17.3





#11
Tert butyl alcohol
Concen: 19.389 ug/l
RT: 3.038 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

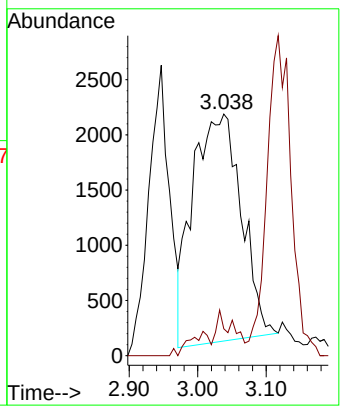
Tgt Ion: 59 Resp: 1018

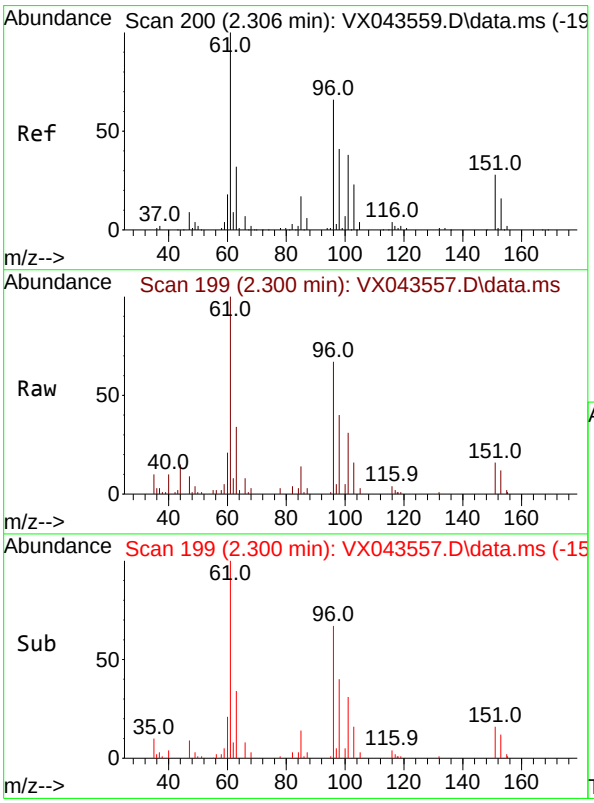
Ion	Ratio	Lower	Upper
59	100		
57	3.9	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

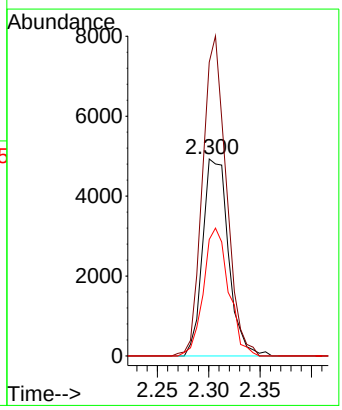


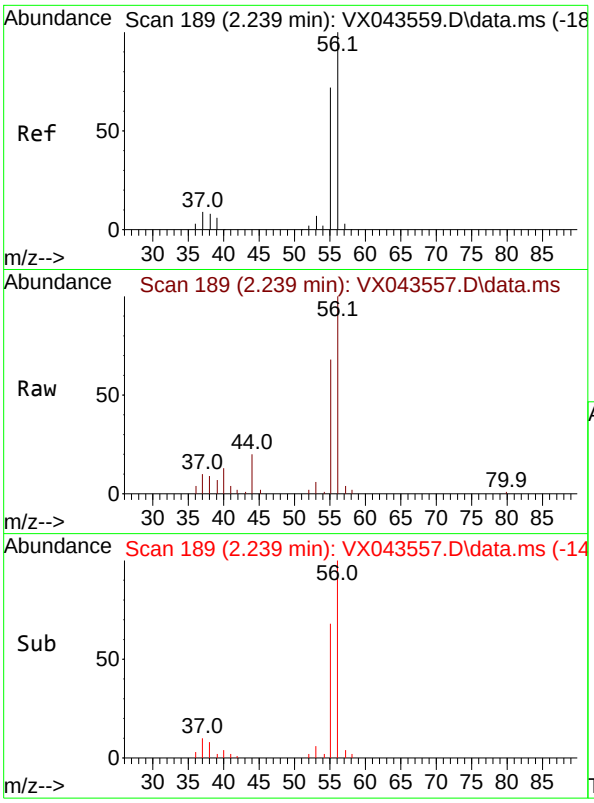


#12
1,1-Dichloroethene
Concen: 5.260 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 96 Resp: 8606

Ion	Ratio	Lower	Upper
96	100		
61	149.1	130.2	195.4
98	59.2	51.0	76.6

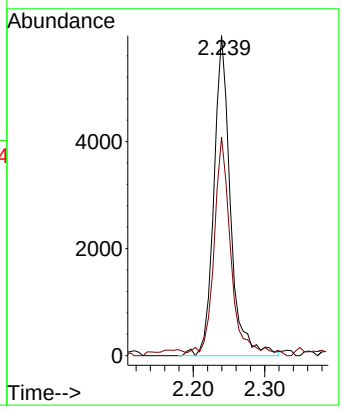




#13
Acrolein
Concen: 23.207 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 56 Resp: 960

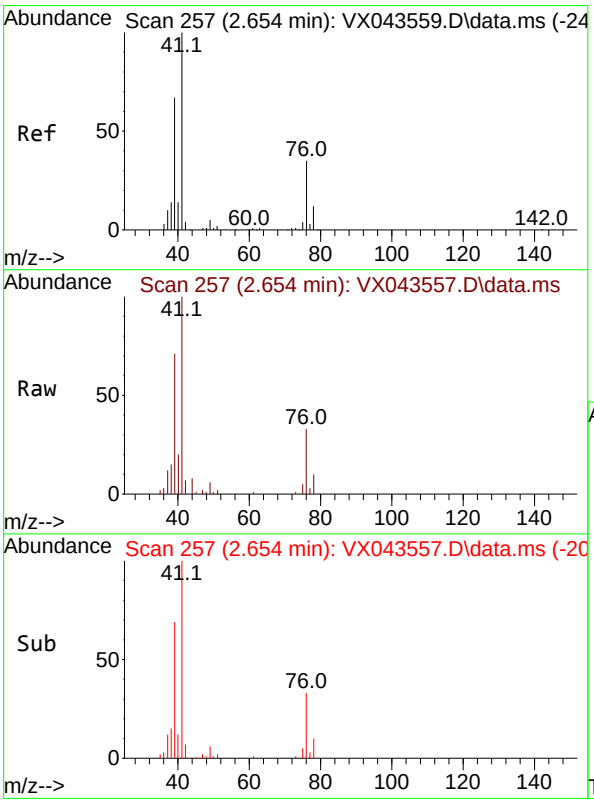
Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

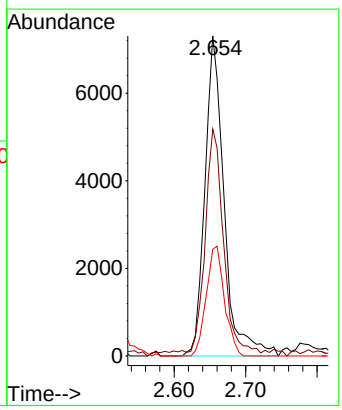
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

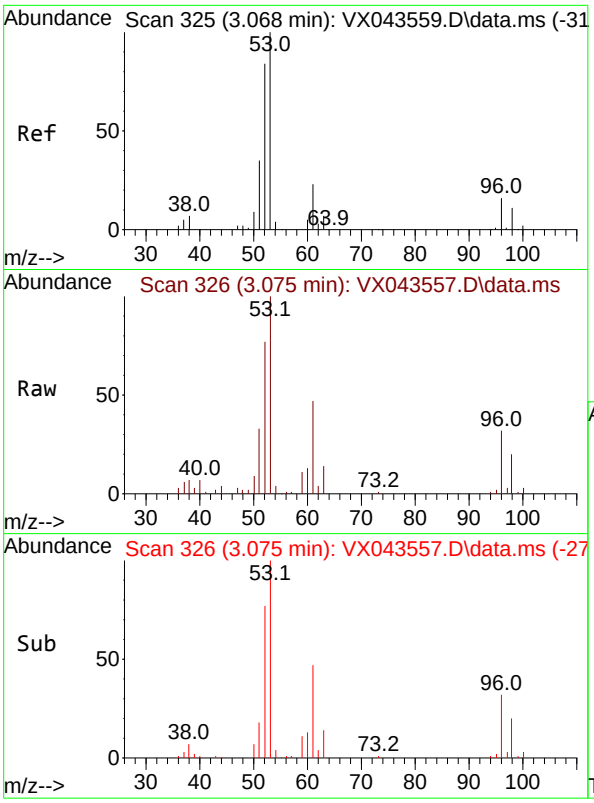


#14
Allyl chloride
Concen: 4.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 13656

Ion	Ratio	Lower	Upper
41	100		
39	70.7	53.2	79.8
76	32.5	27.0	40.6

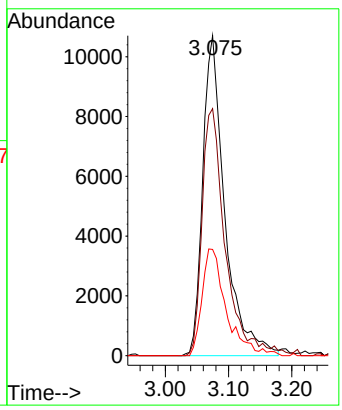




#15
Acrylonitrile
Concen: 22.307 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 53 Resp: 2596

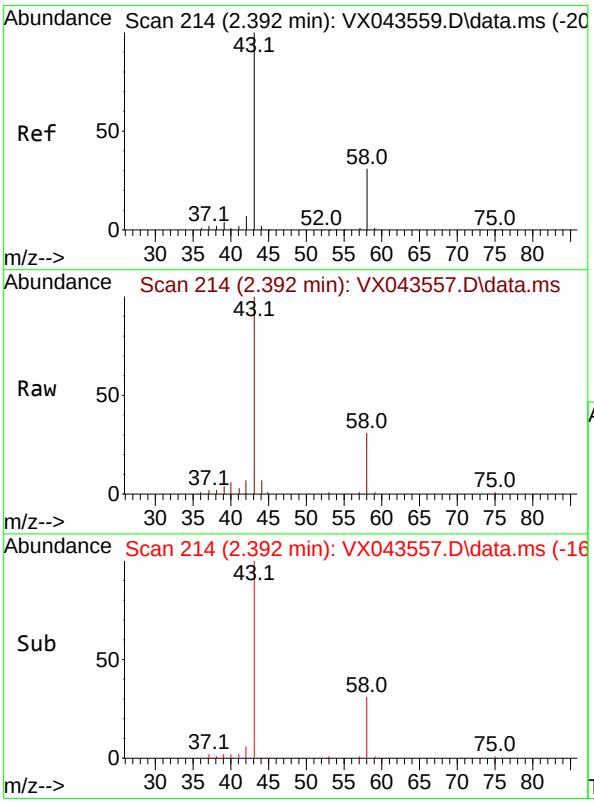
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.6
51	35.7	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

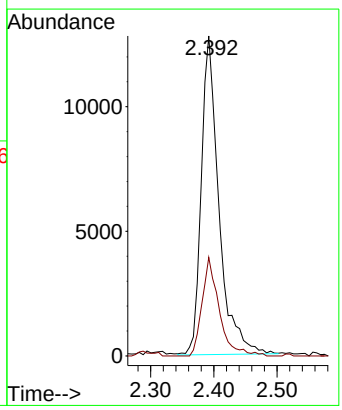
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

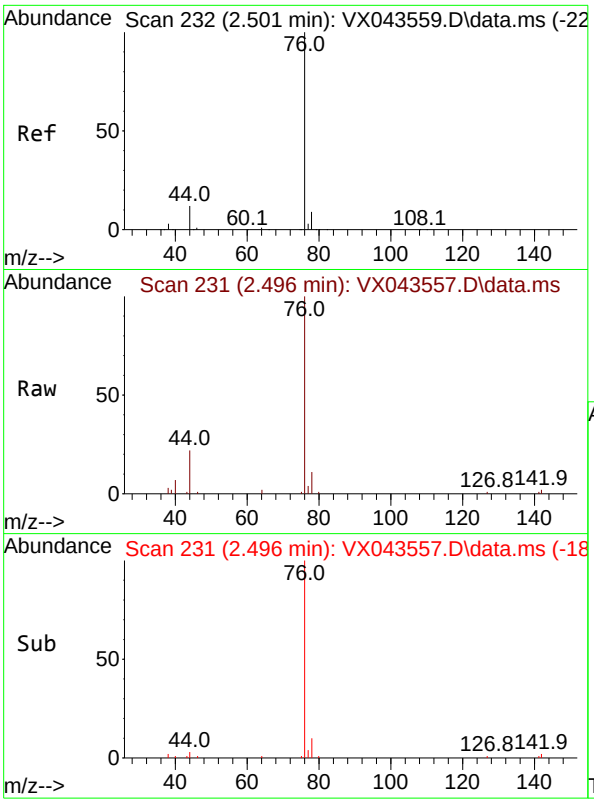


#16
Acetone
Concen: 23.644 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 24830

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.1	37.7





#17
Carbon Disulfide
Concen: 4.462 ug/l
RT: 2.496 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

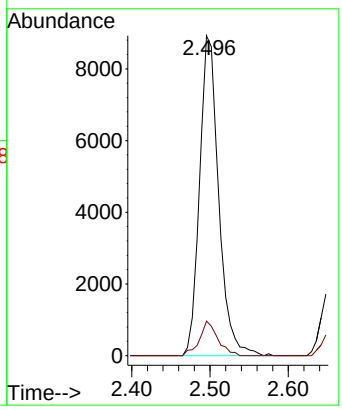
Tgt Ion: 76 Resp: 1511

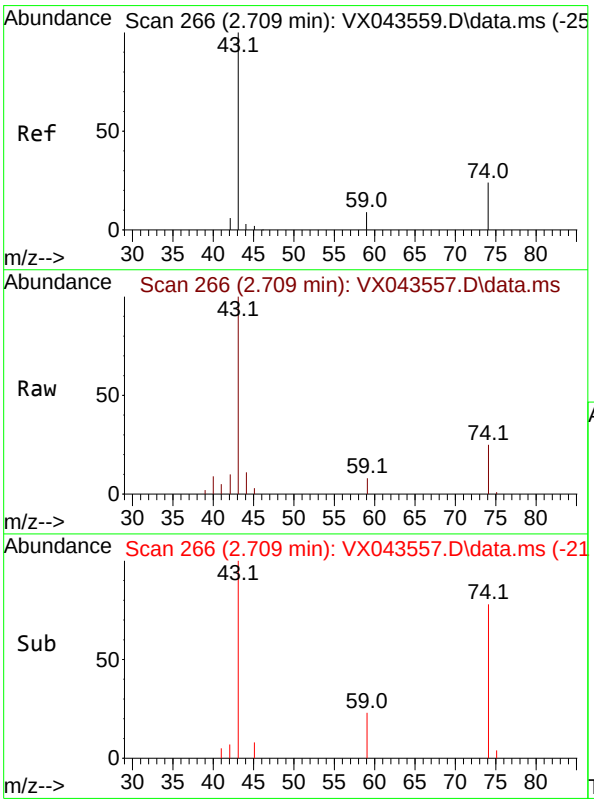
Ion	Ratio	Lower	Upper
76	100		
78	10.8	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

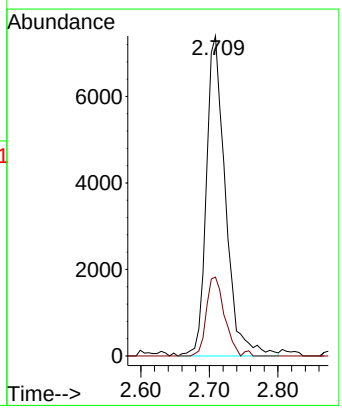


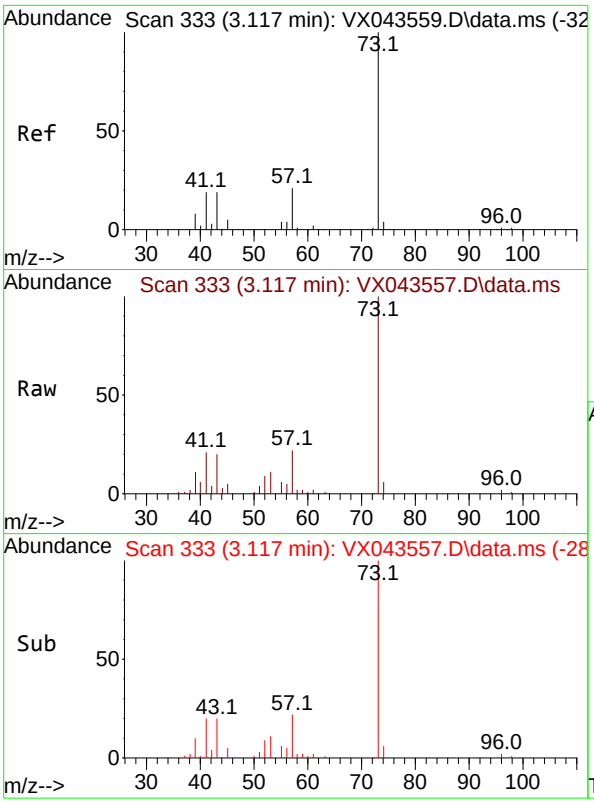


#18
Methyl Acetate
Concen: 4.552 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 14366

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.1	28.7

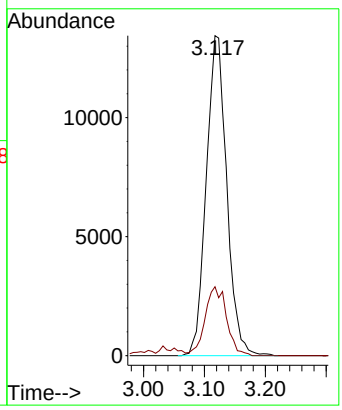




#19
Methyl tert-butyl Ether
Concen: 4.934 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 73 Resp: 3141

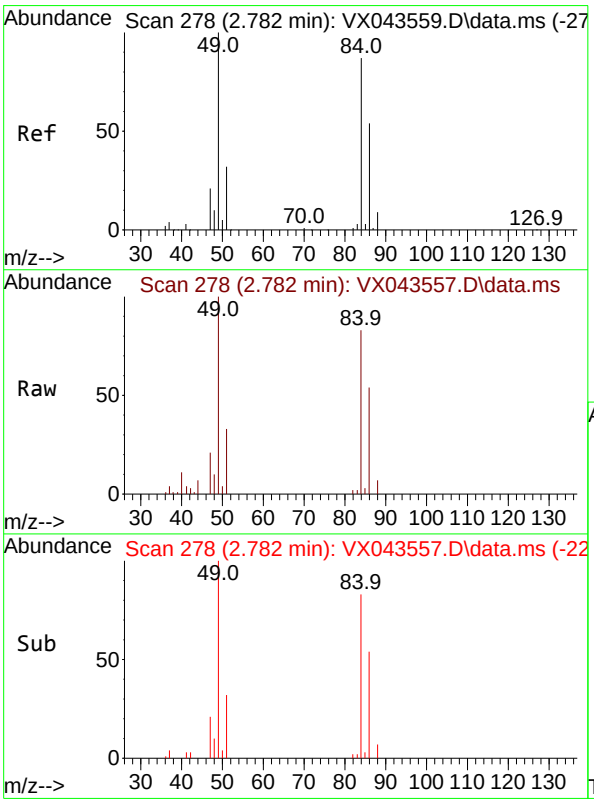
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

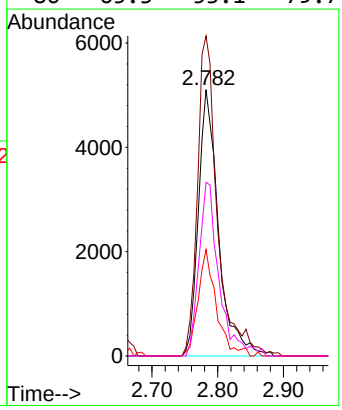
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

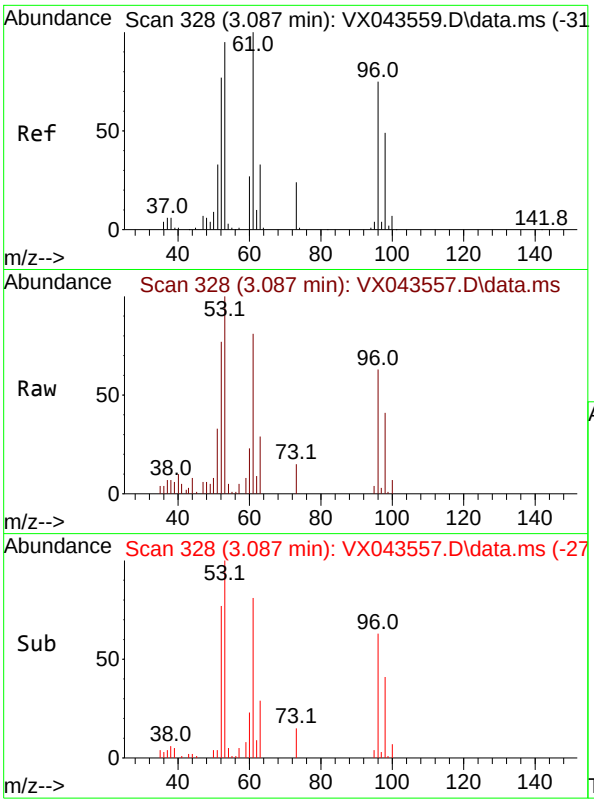


#20
Methylene Chloride
Concen: 5.284 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 84 Resp: 10845

Ion	Ratio	Lower	Upper
84	100		
49	120.2	97.0	145.6
51	40.0	29.8	44.8
86	65.3	53.1	79.7

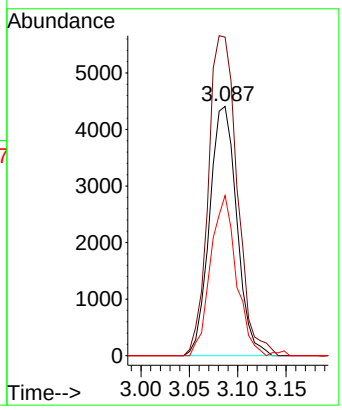




#21
trans-1,2-Dichloroethene
Concen: 4.877 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 96 Resp: 863

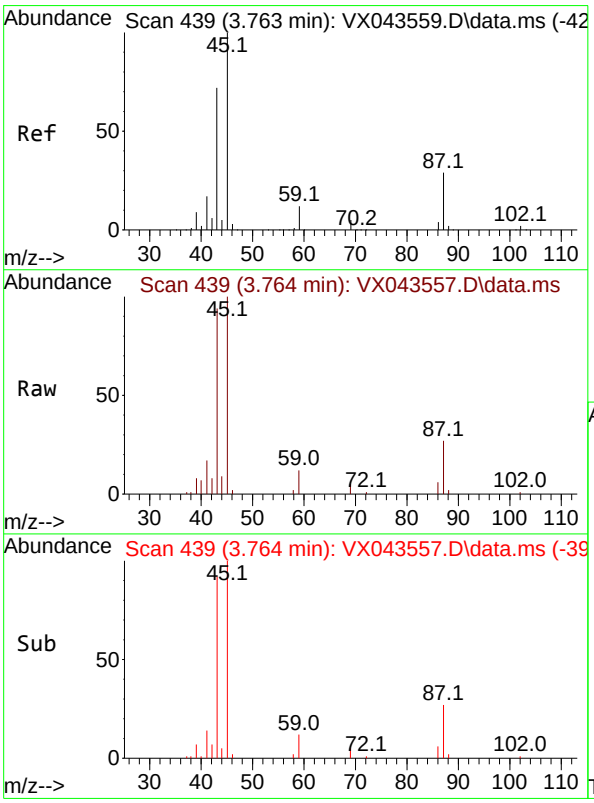
Ion	Ratio	Lower	Upper
96	100		
61	127.8	107.1	160.7
98	64.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

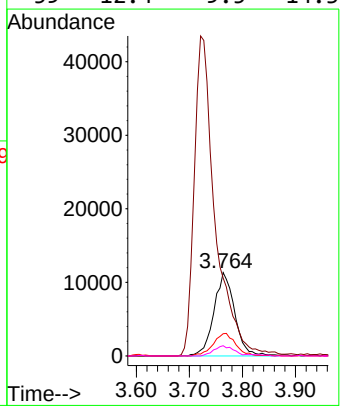
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

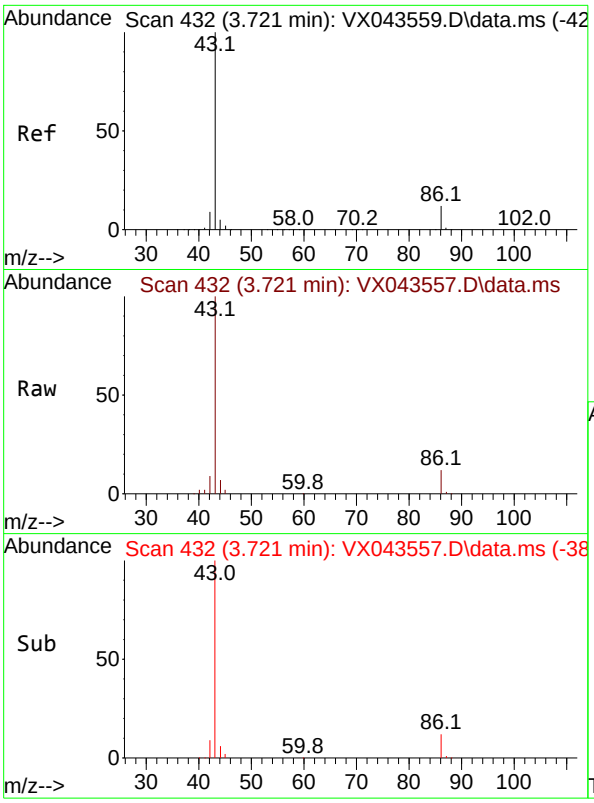


#22
Diisopropyl ether
Concen: 5.154 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 45 Resp: 30888

Ion	Ratio	Lower	Upper
45	100		
43	93.5	60.6	90.8#
87	26.6	22.0	33.0
59	12.4	9.5	14.3





#23
Vinyl Acetate
Concen: 24.227 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

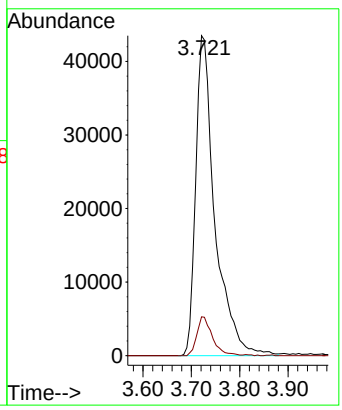
Tgt Ion: 43 Resp: 11994

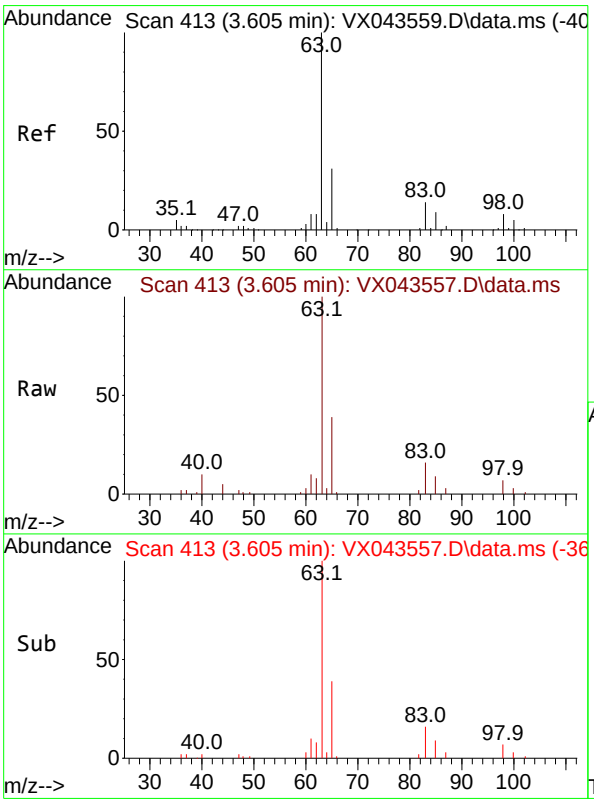
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

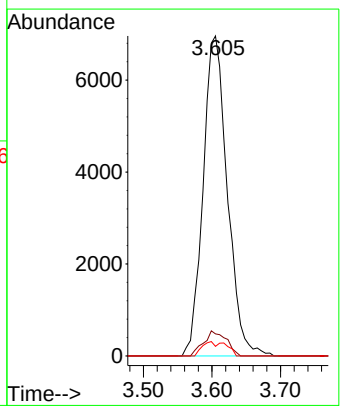


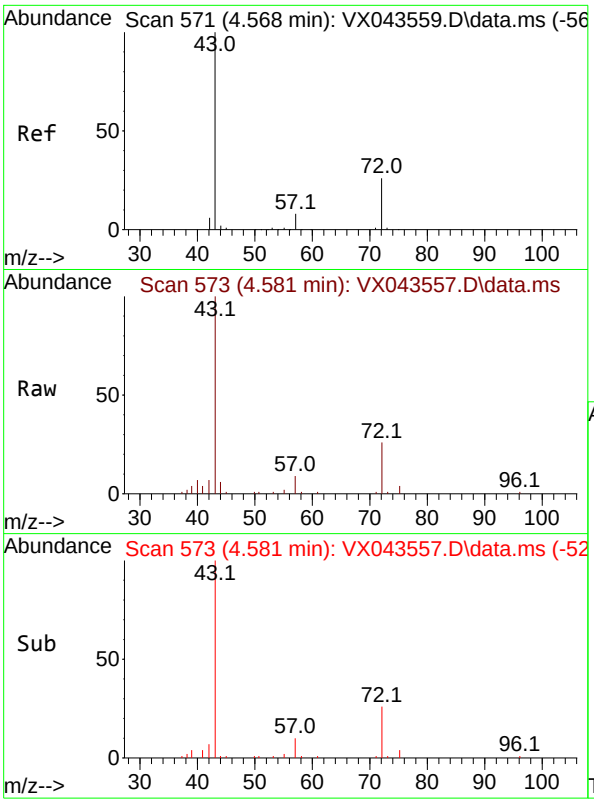


#24
1,1-Dichloroethane
Concen: 5.072 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 63 Resp: 17144

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	3.0	2.4	7.2

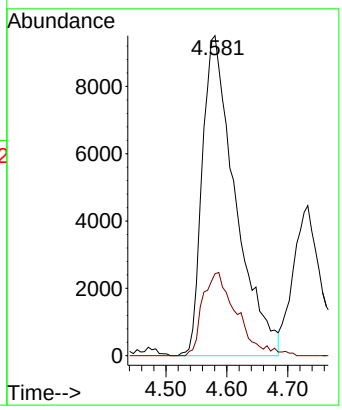




#25
2-Butanone
Concen: 22.456 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 3581

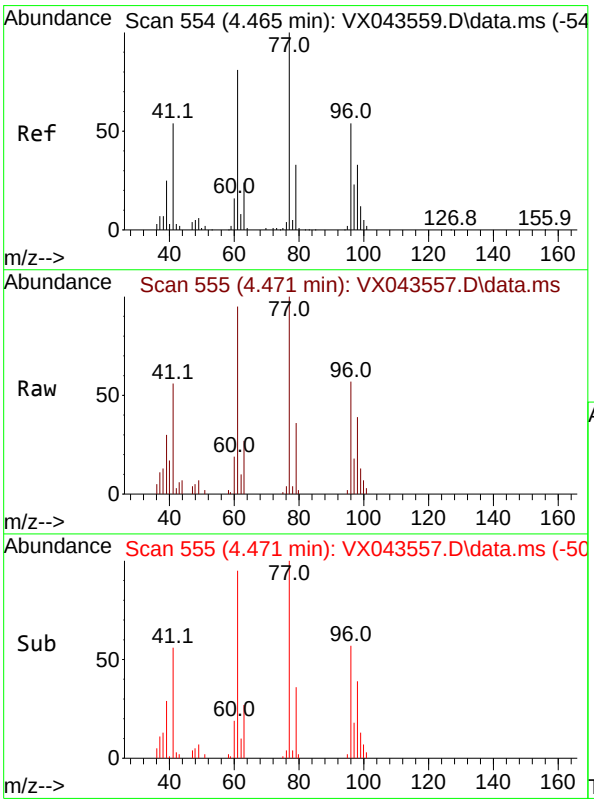
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

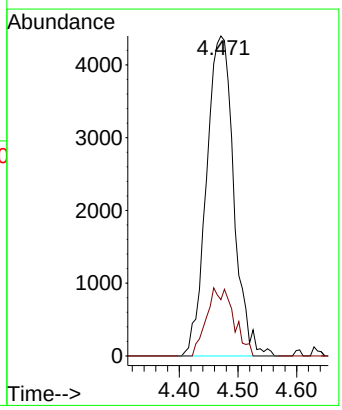
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

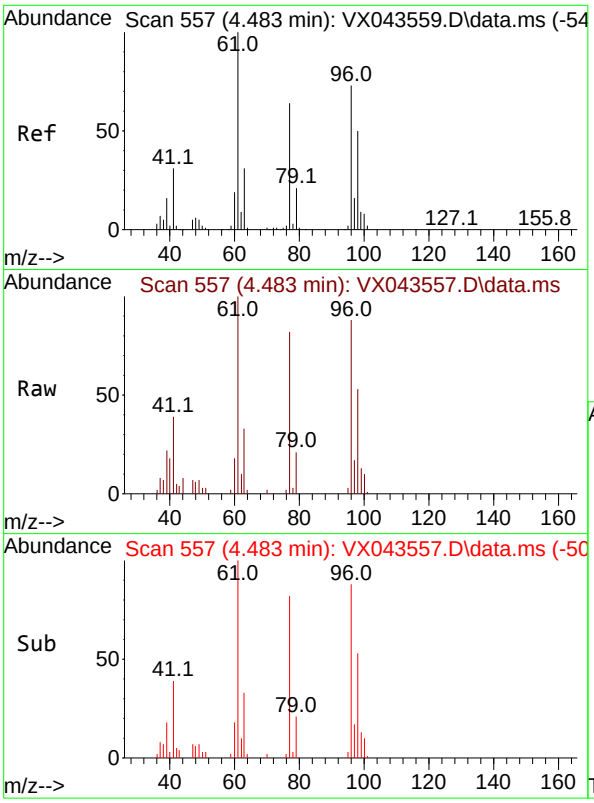


#26
2,2-Dichloropropane
Concen: 5.820 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 77 Resp: 14180

Ion	Ratio	Lower	Upper
77	100		
97	21.1	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 5.055 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

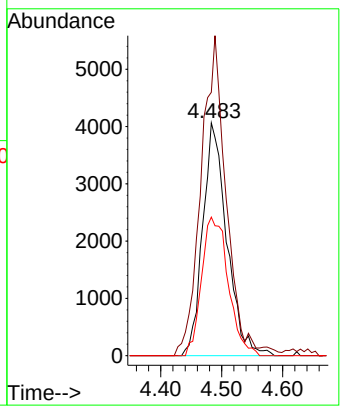
Tgt Ion: 96 Resp: 1115

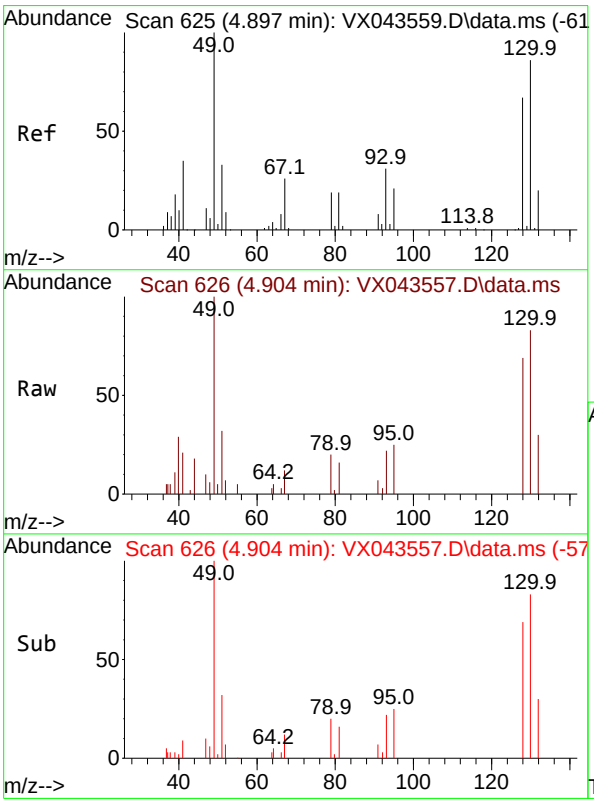
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	277.2
98	65.8	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

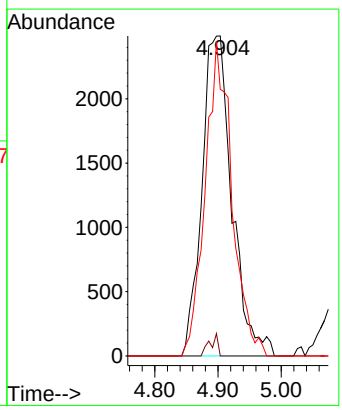


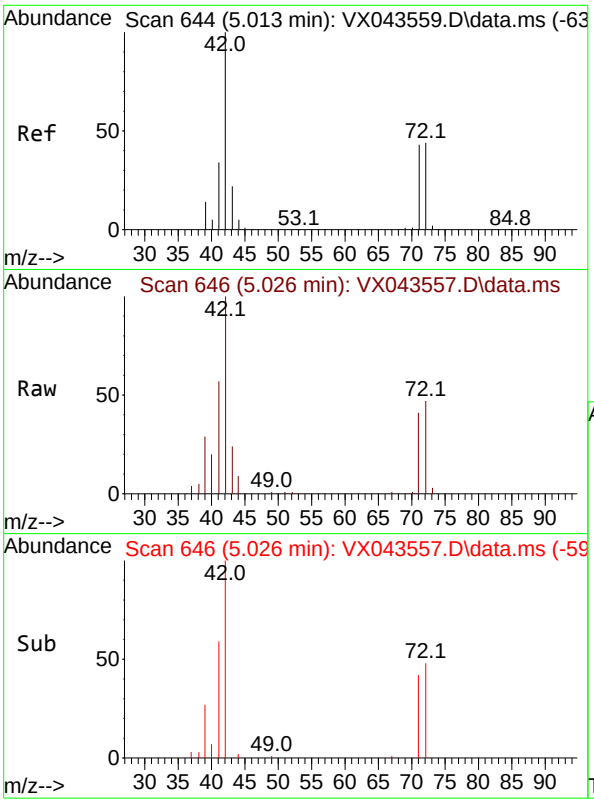


#28
Bromochloromethane
Concen: 4.909 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 49 Resp: 8209

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	87.5	67.8	101.8

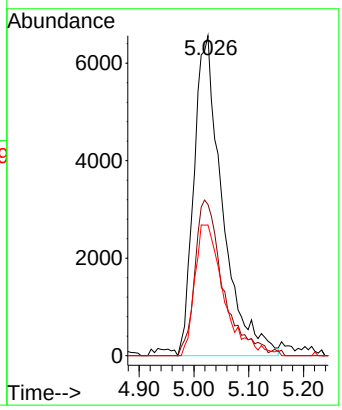




#29
Tetrahydrofuran
Concen: 22.684 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 42 Resp: 2362

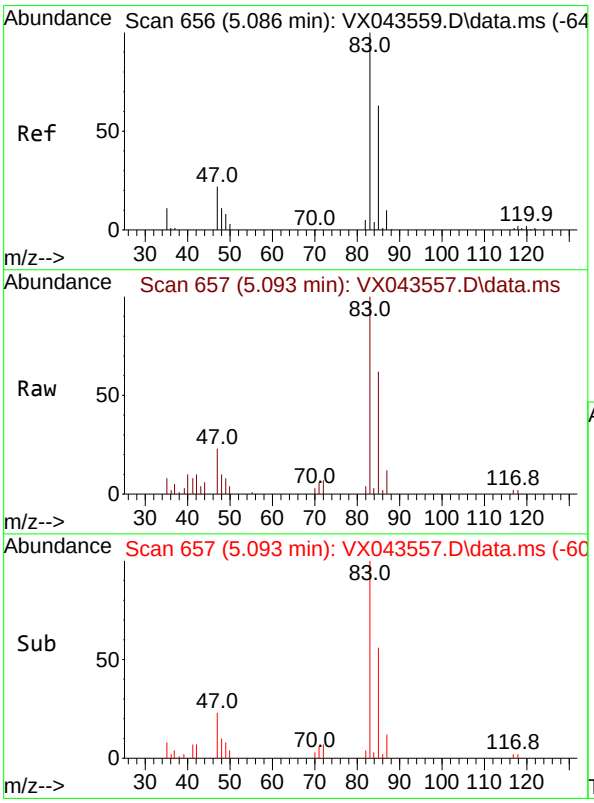
Ion	Ratio	Lower	Upper
42	100		
72	48.3	36.6	55.0
71	41.0	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

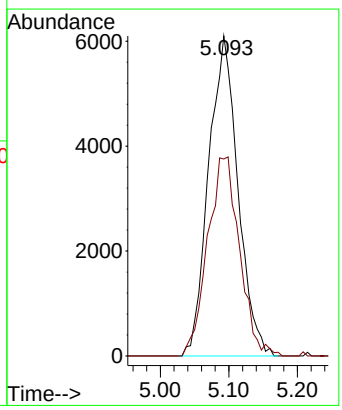
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

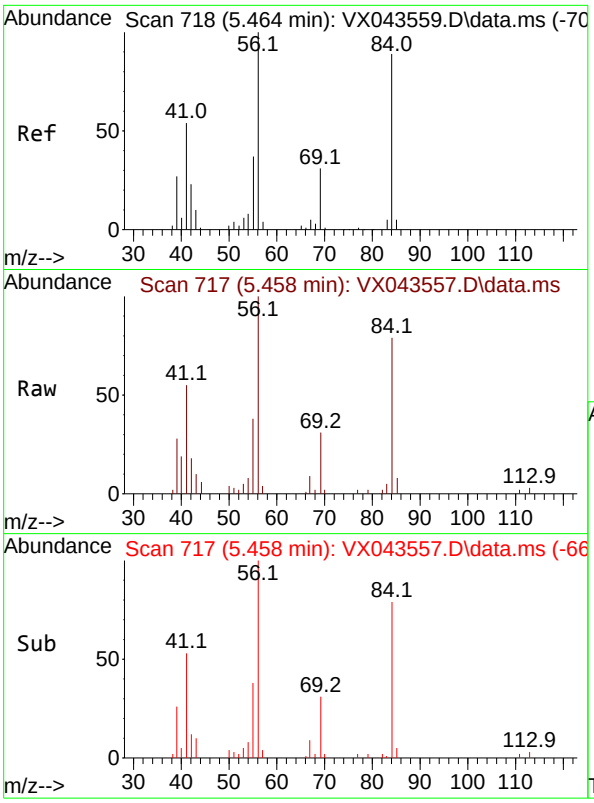


#30
Chloroform
Concen: 5.019 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 83 Resp: 18141

Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.2	78.4





#31
Cyclohexane
Concen: 4.972 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

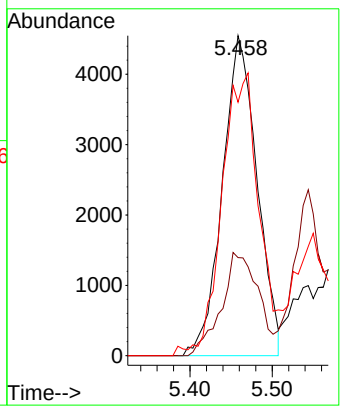
Tgt Ion: 56 Resp: 1333

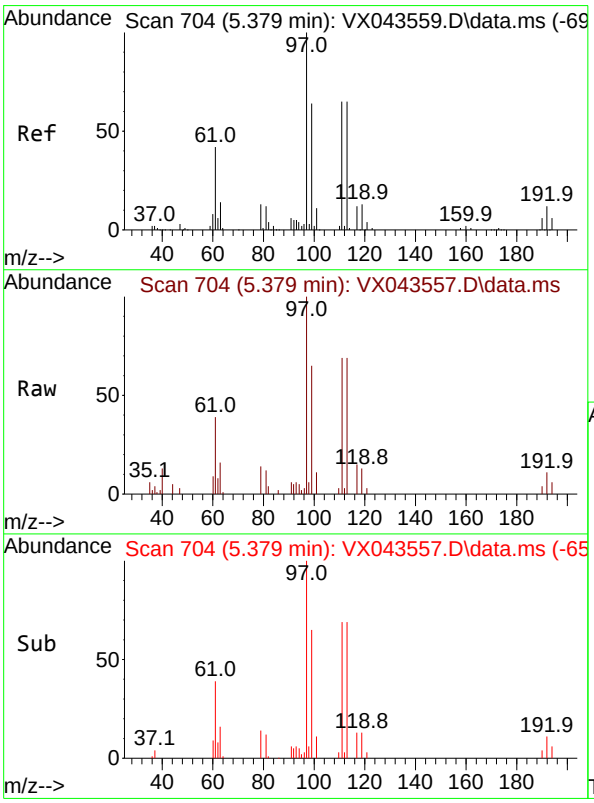
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.9	37.3
84	76.3	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

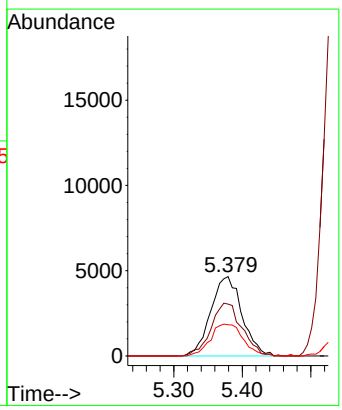


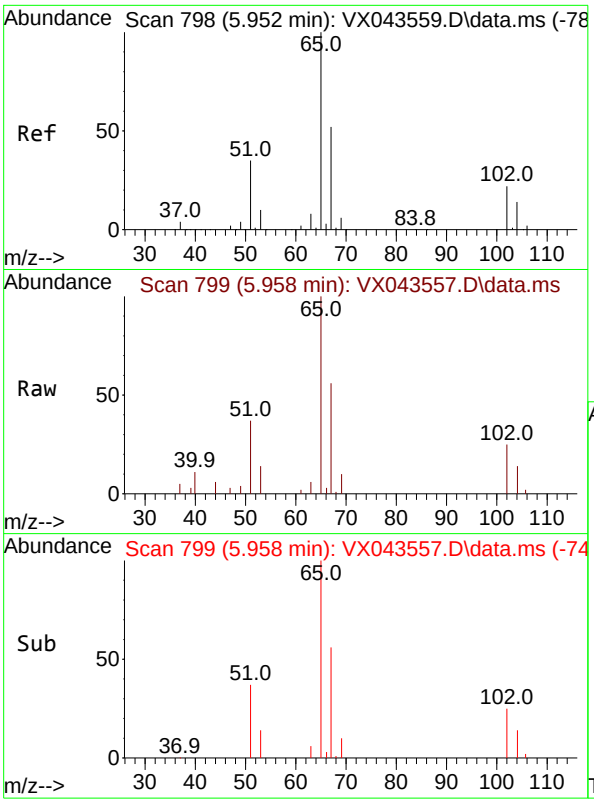


#32
1,1,1-Trichloroethane
Concen: 4.846 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 97 Resp: 14721

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.4	77.0
61	41.9	34.0	51.0





#33
1,2-Dichloroethane-d4
Concen: 5.686 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

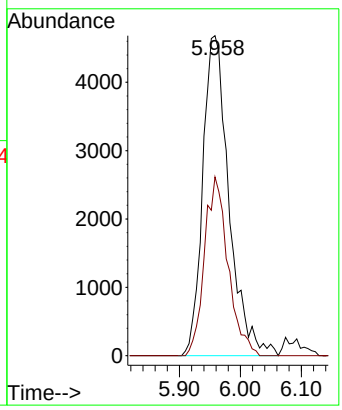
Tgt Ion: 65 Resp: 1398

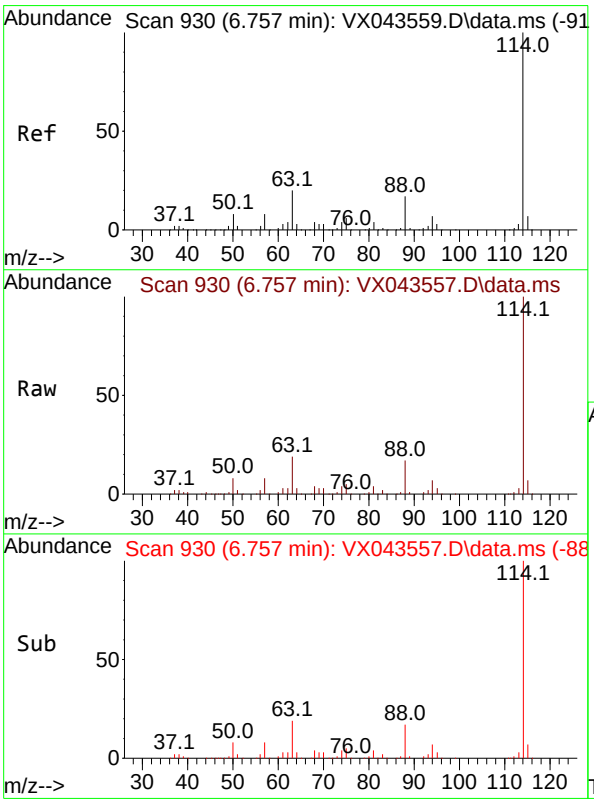
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

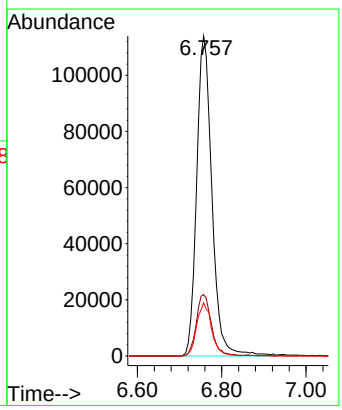


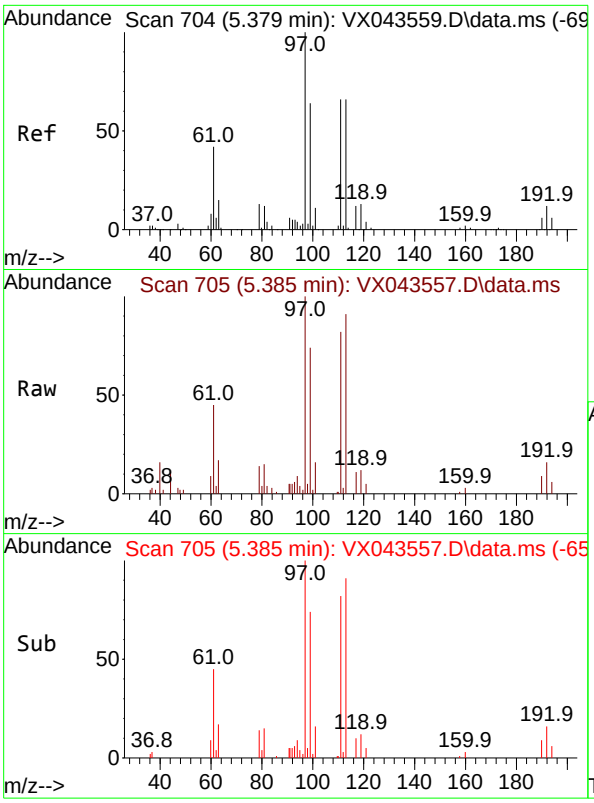


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:114 Resp: 287211

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	16.6	0.0	34.0

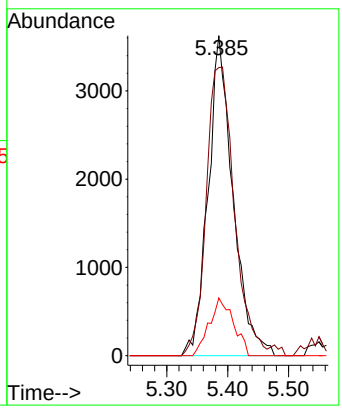




#35
Dibromofluoromethane
Concen: 5.373 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:113 Resp: 1027

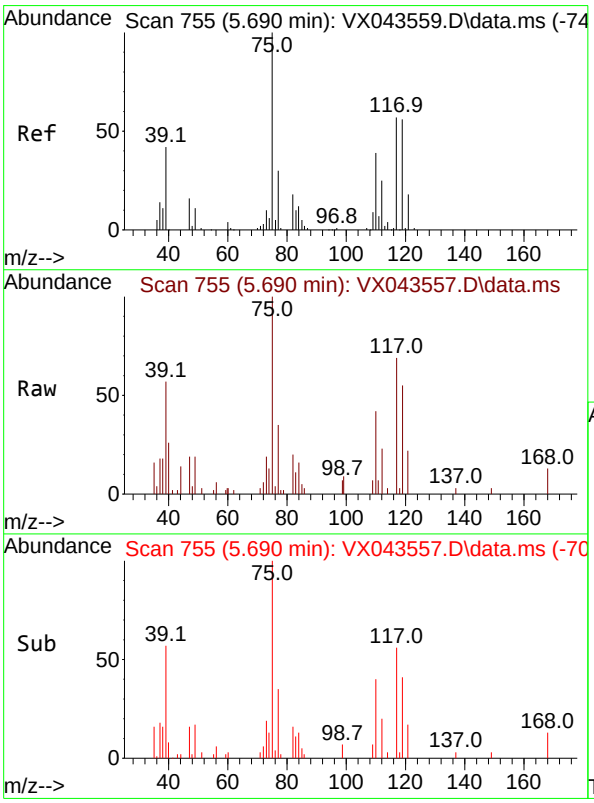
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	17.5	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

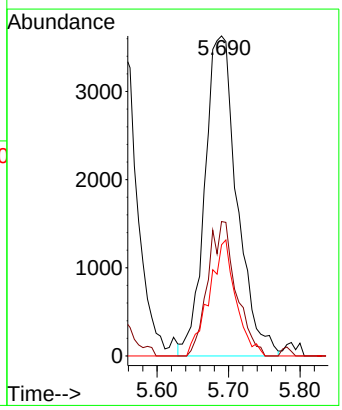
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

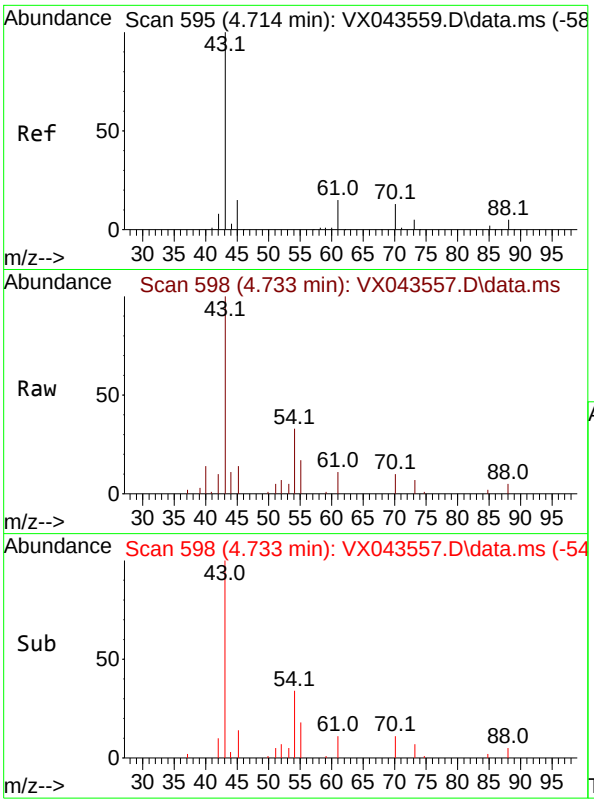


#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 11382

Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.9	53.7
77	30.0	25.0	37.4

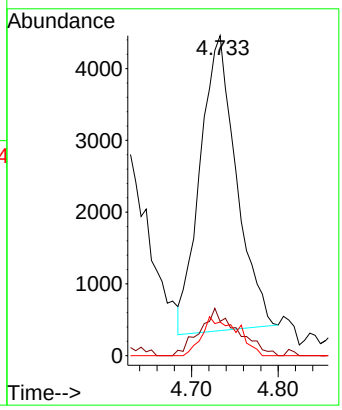




#37
Ethyl Acetate
Concen: 3.868 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 1194

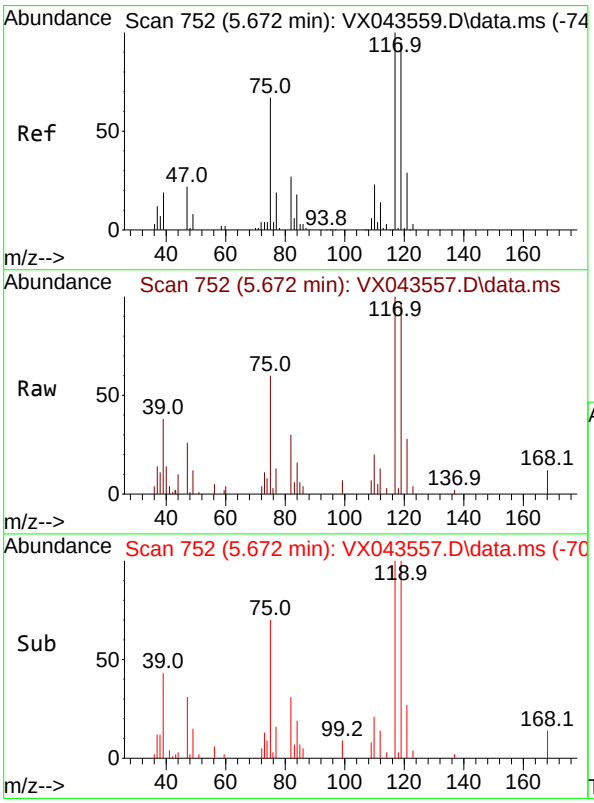
Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.0	16.6
70	12.8	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

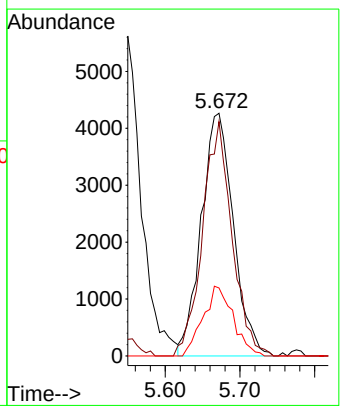
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

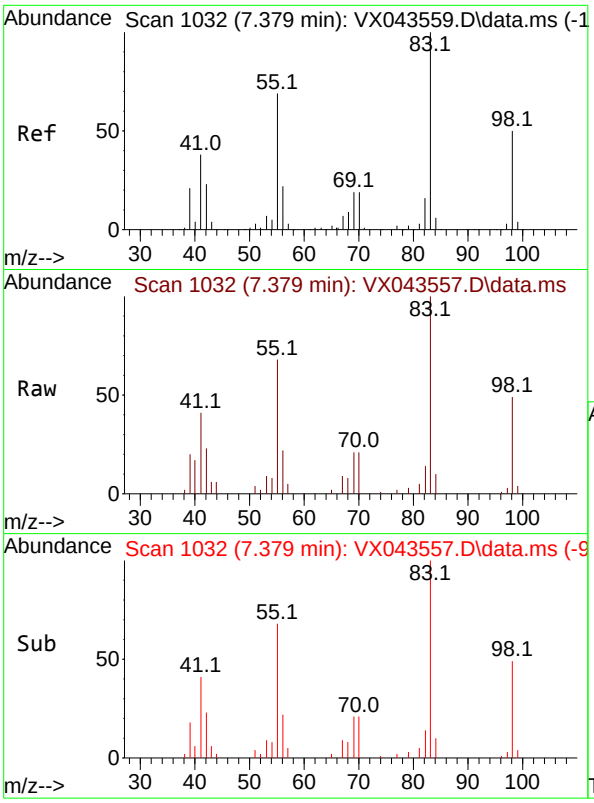


#38
Carbon Tetrachloride
Concen: 4.940 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:117 Resp: 12706

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
121	28.0	24.7	37.1

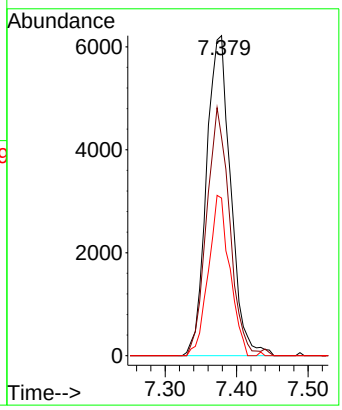




#39
Methylcyclohexane
Concen: 5.038 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 83 Resp: 1462

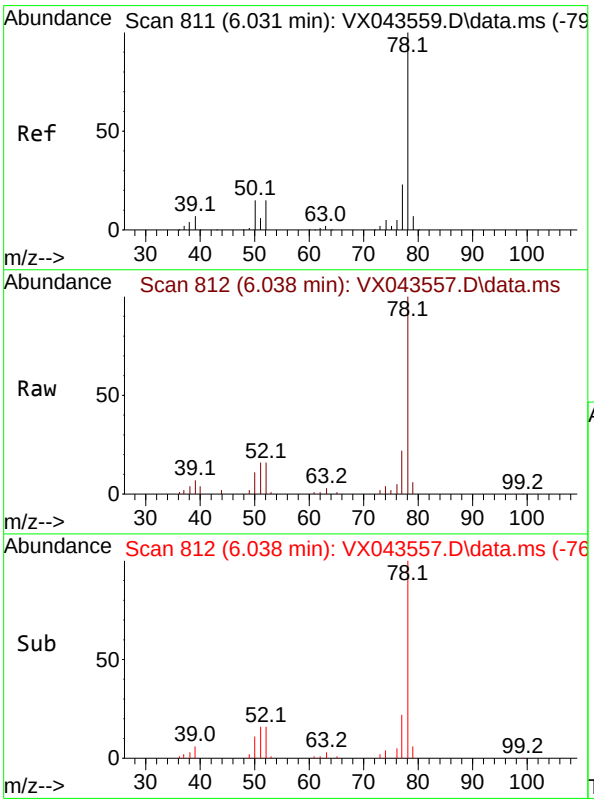
Ion	Ratio	Lower	Upper
83	100		
55	68.1	59.9	89.9
98	49.3	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

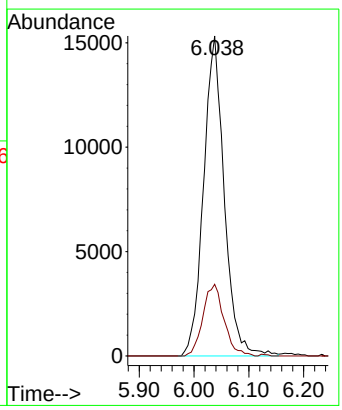
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

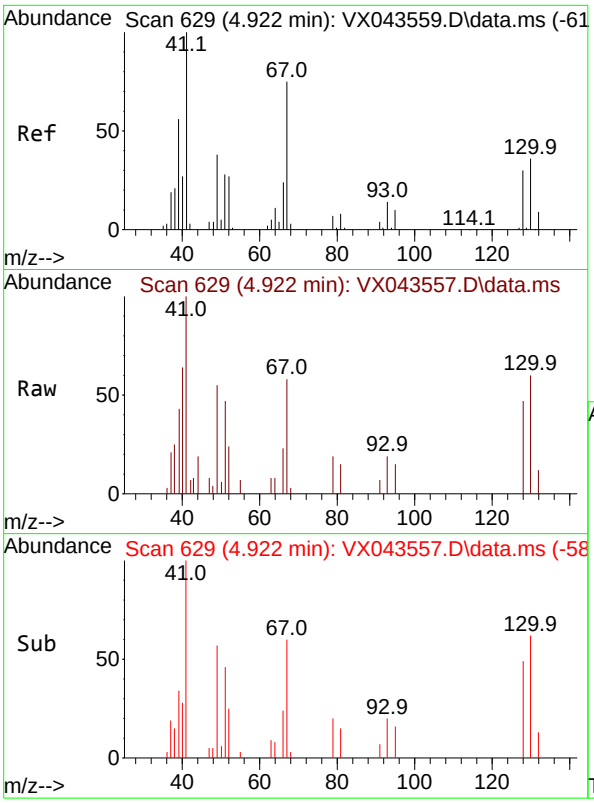


#40
Benzene
Concen: 5.300 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 78 Resp: 40098

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6

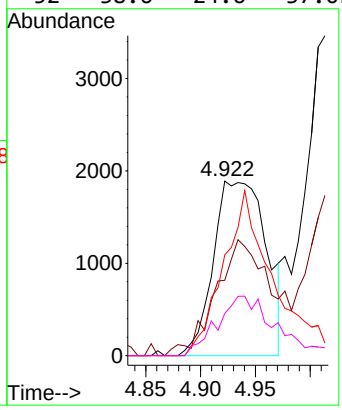




#41
Methacrylonitrile
Concen: 4.083 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 634

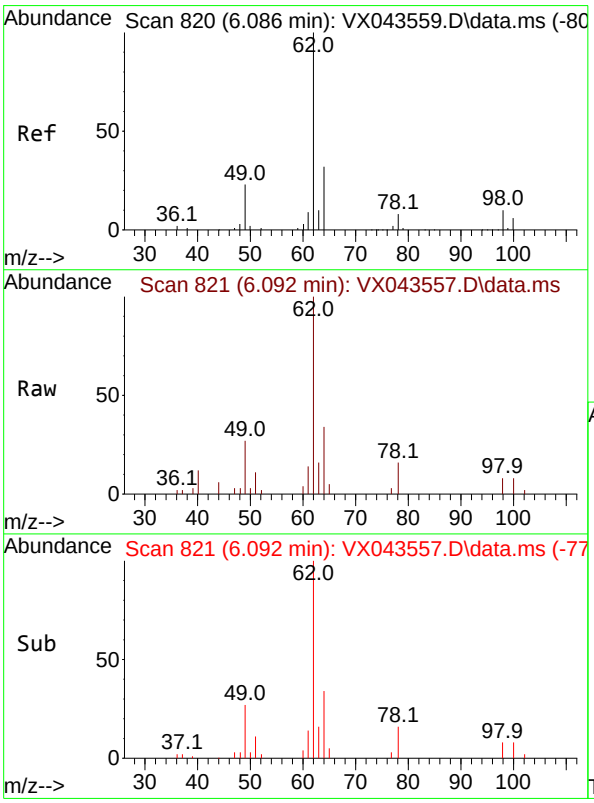
Ion	Ratio	Lower	Upper
41	100		
39	70.3	43.5	65.3#
67	89.4	58.3	87.5#
52	38.6	24.6	37.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

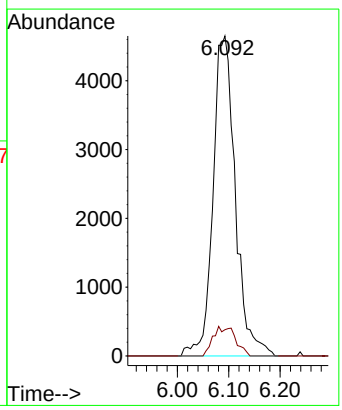
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

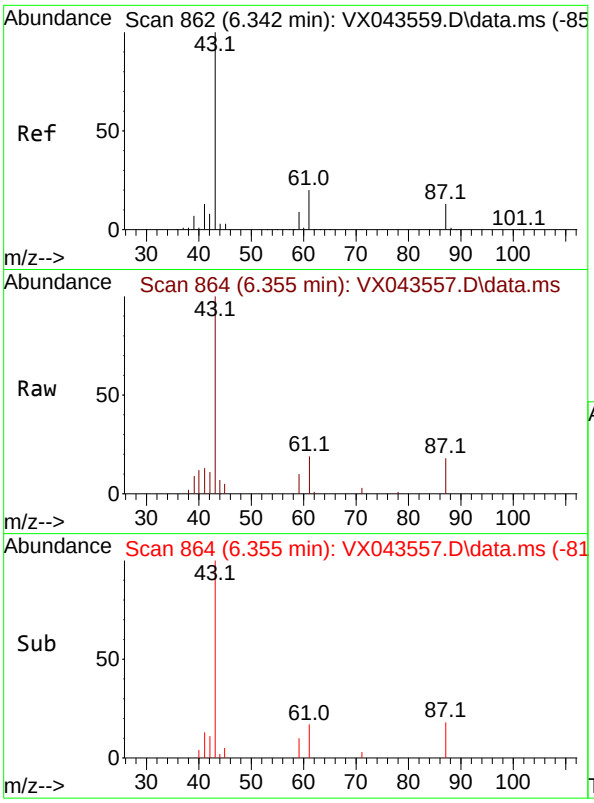


#42
1,2-Dichloroethane
Concen: 5.037 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 62 Resp: 14018

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8

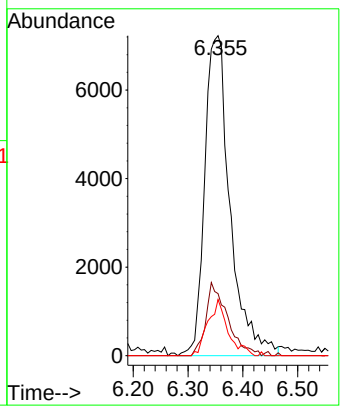




#43
Isopropyl Acetate
Concen: 4.756 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 2324

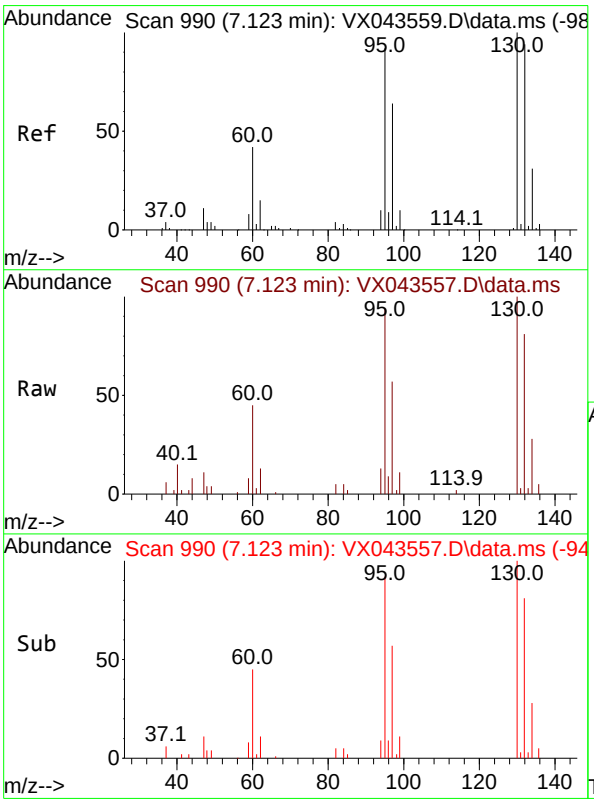
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.2	24.4
87	13.9	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

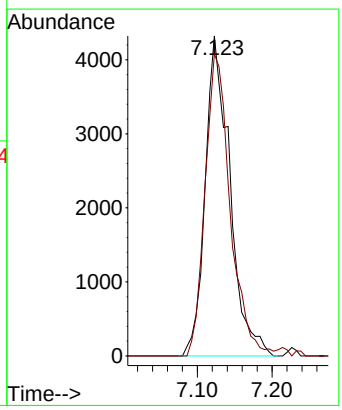
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

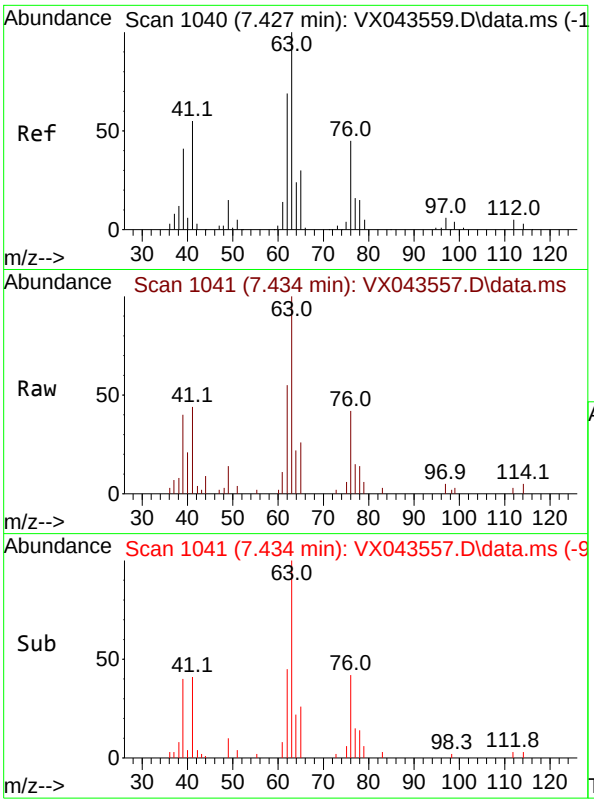


#44
Trichloroethene
Concen: 5.528 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:130 Resp: 9917

Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	202.6

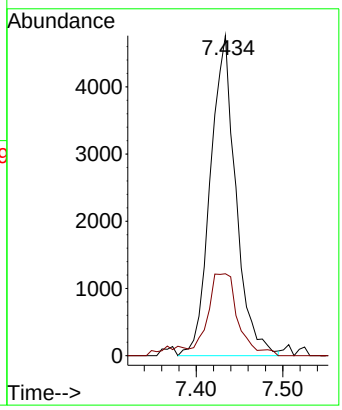




#45
1,2-Dichloropropane
Concen: 5.268 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 63 Resp: 973

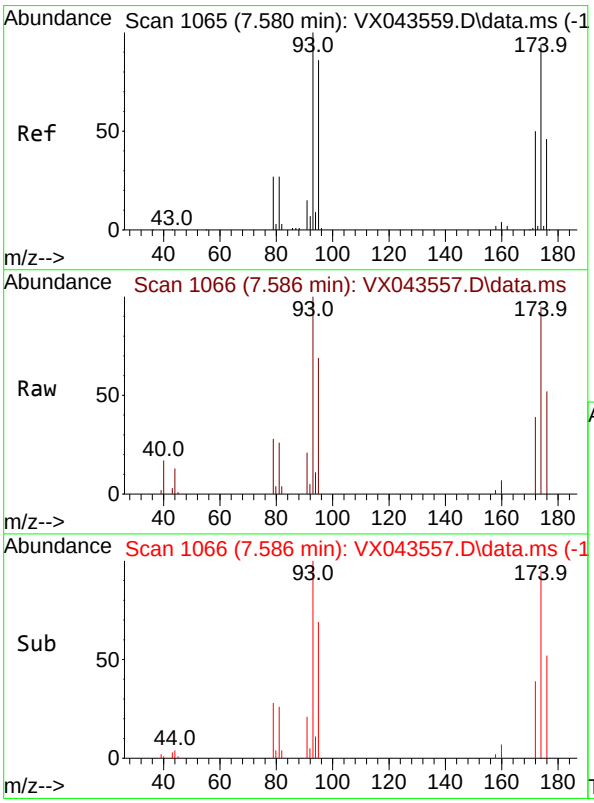
Ion	Ratio	Lower	Upper
63	100		
65	25.6	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

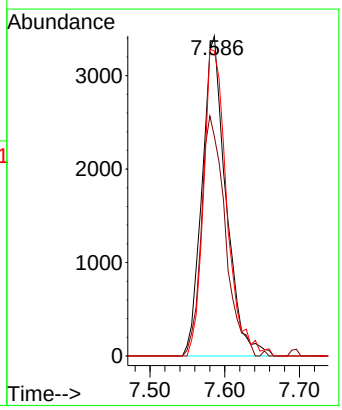
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

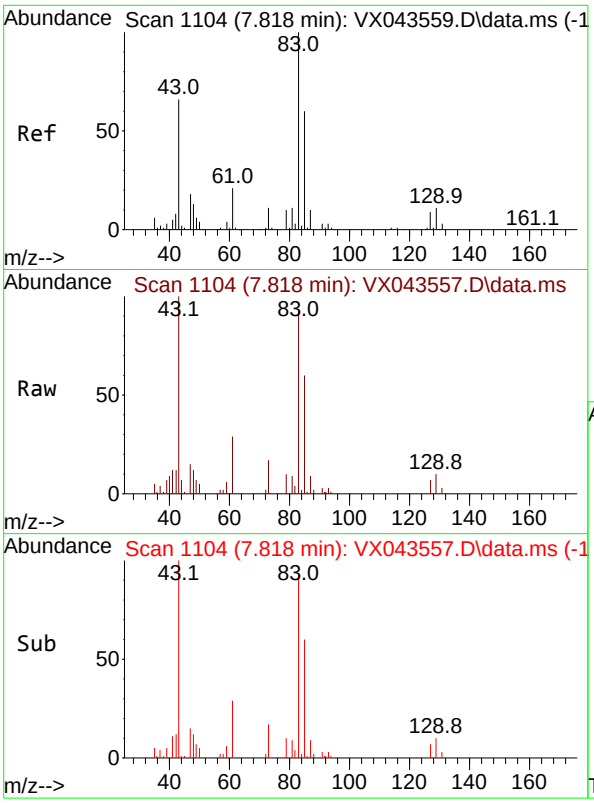


#46
Dibromomethane
Concen: 5.337 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 93 Resp: 7576

Ion	Ratio	Lower	Upper
93	100		
95	74.9	66.4	99.6
174	93.8	75.0	112.4

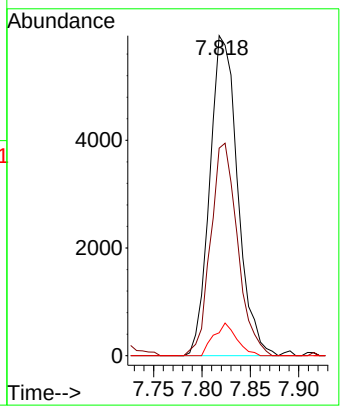




#47
Bromodichloromethane
Concen: 4.735 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 83 Resp: 1192

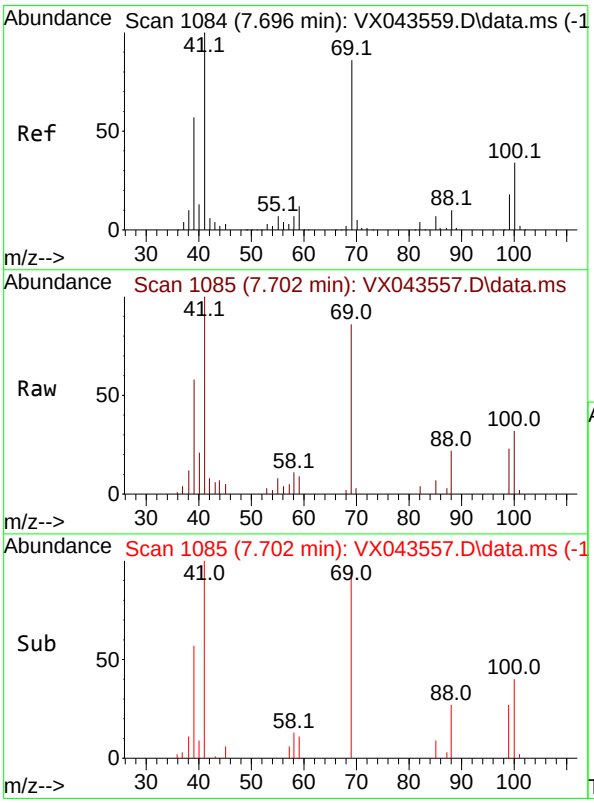
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4
127	7.1	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

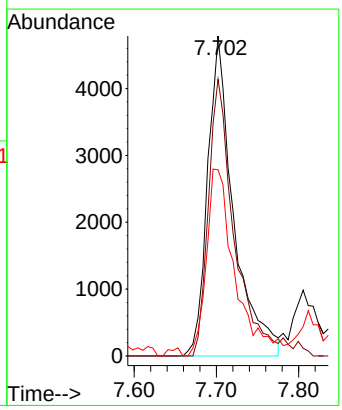
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

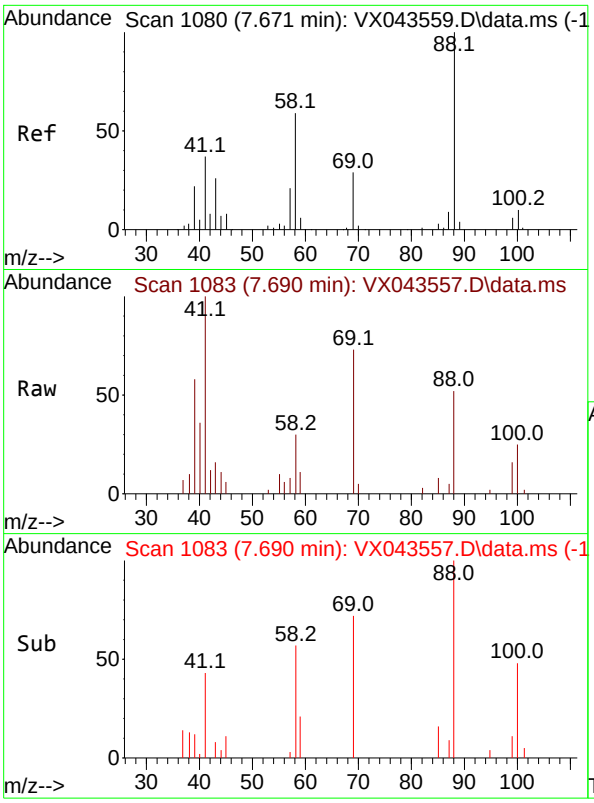


#48
Methyl methacrylate
Concen: 4.621 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 10543

Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	64.0	46.3	69.5





#49
1,4-Dioxane
Concen: 73.737 ug/l
RT: 7.690 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

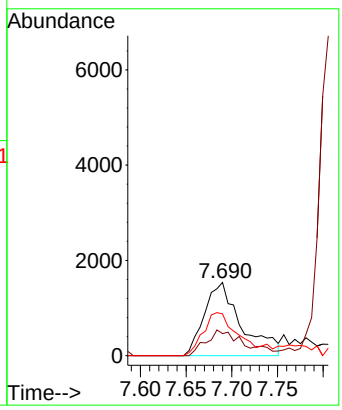
Tgt Ion: 88 Resp: 432

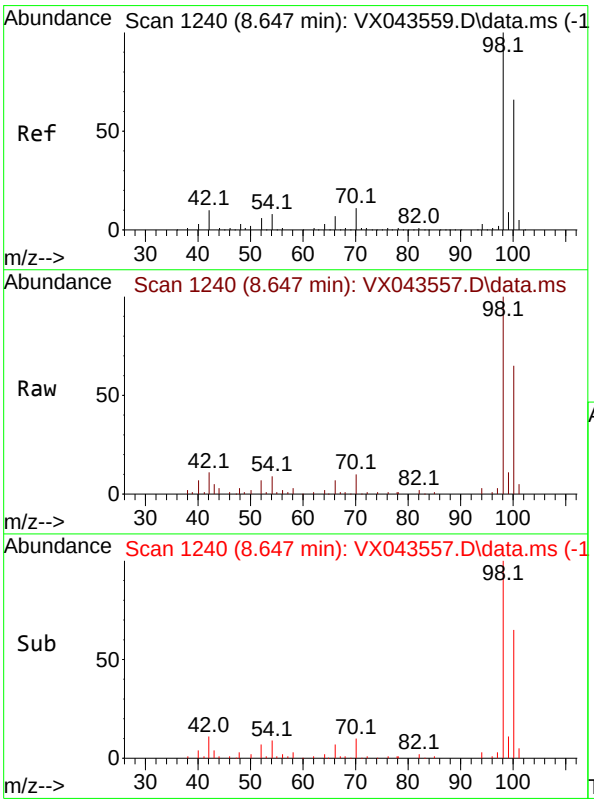
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	54.4	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

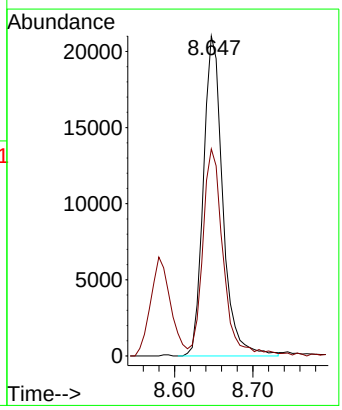


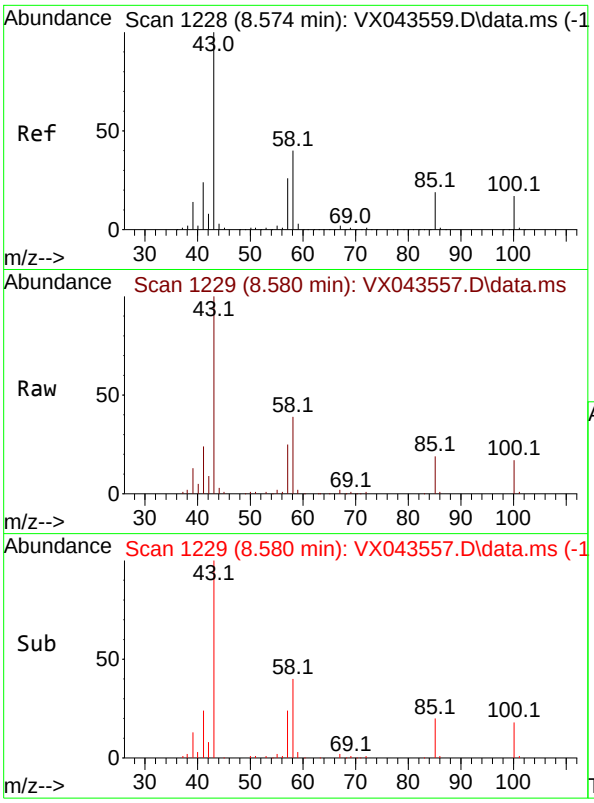


#50
Toluene-d8
Concen: 5.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 98 Resp: 36059

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2





#51
4-Methyl-2-Pentanone
Concen: 23.028 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

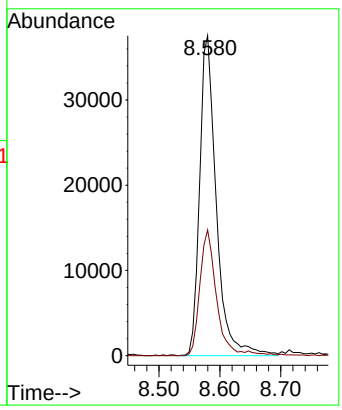
Tgt Ion: 43 Resp: 7130

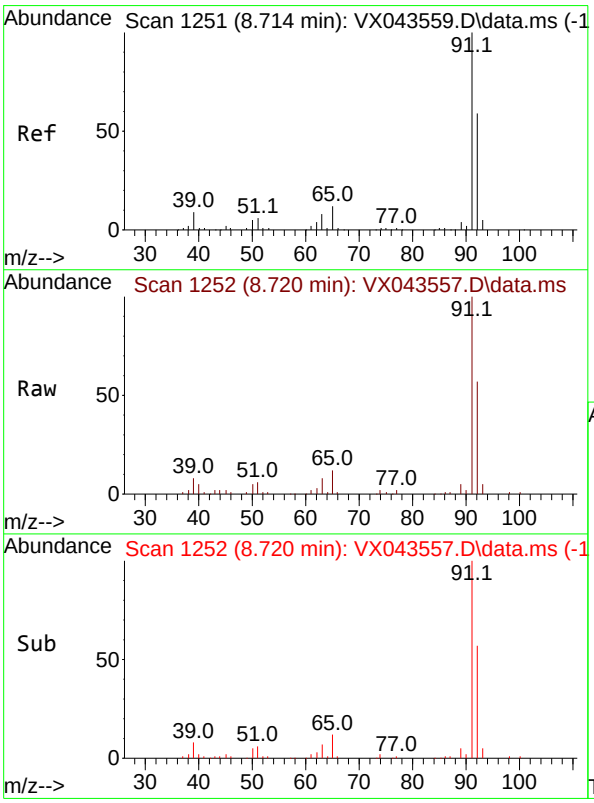
Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.7	47.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

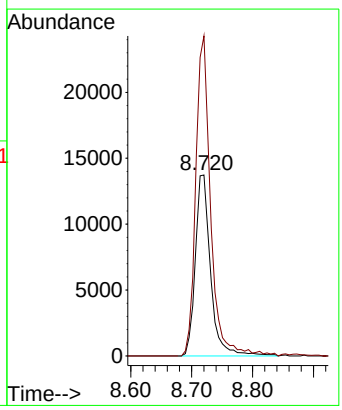


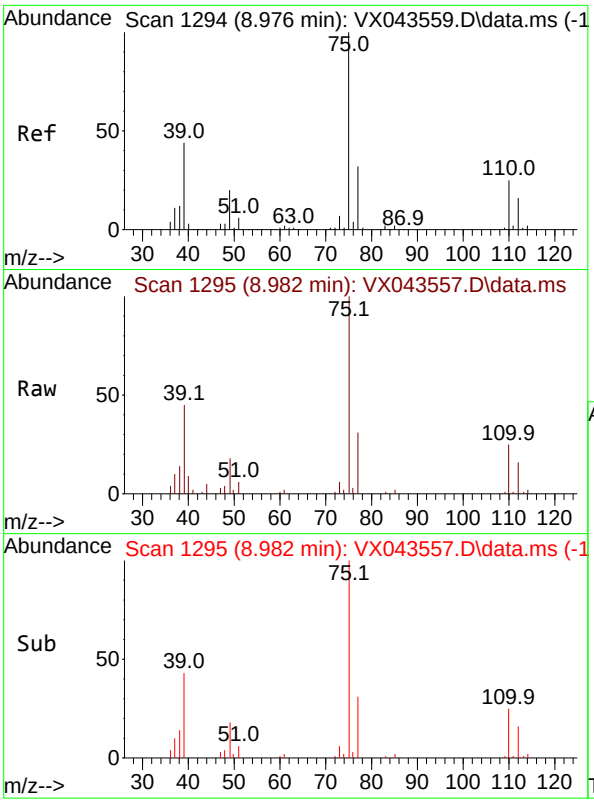


#52
Toluene
Concen: 5.121 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 92 Resp: 23888

Ion	Ratio	Lower	Upper
92	100		
91	170.3	135.7	203.5

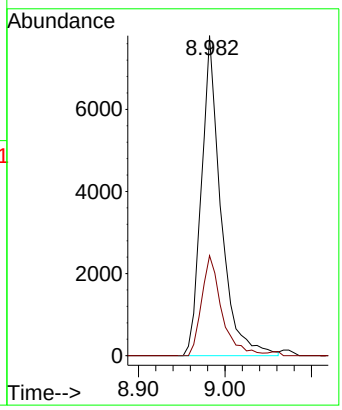




#53
t-1,3-Dichloropropene
Concen: 4.773 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 1216

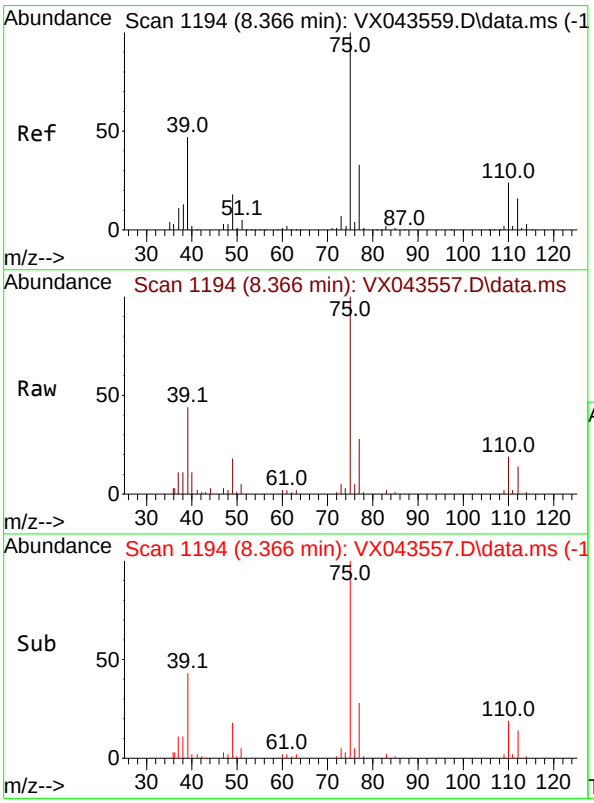
Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

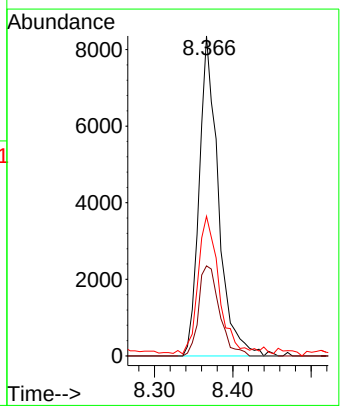
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

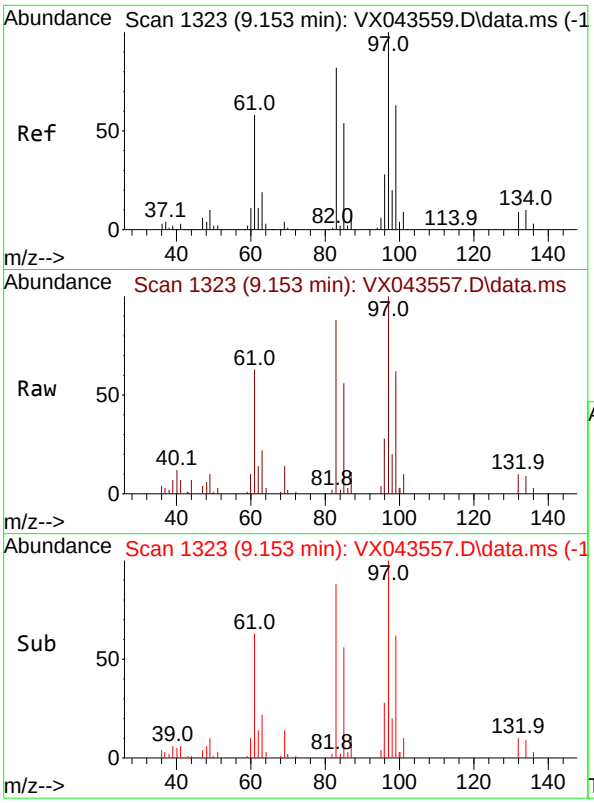


#54
cis-1,3-Dichloropropene
Concen: 5.084 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 14227

Ion	Ratio	Lower	Upper
75	100		
77	28.1	24.8	37.2
39	42.0	37.7	56.5

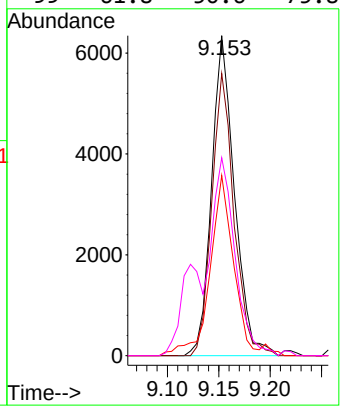




#55
1,1,2-Trichloroethane
Concen: 4.982 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 97 Resp: 980

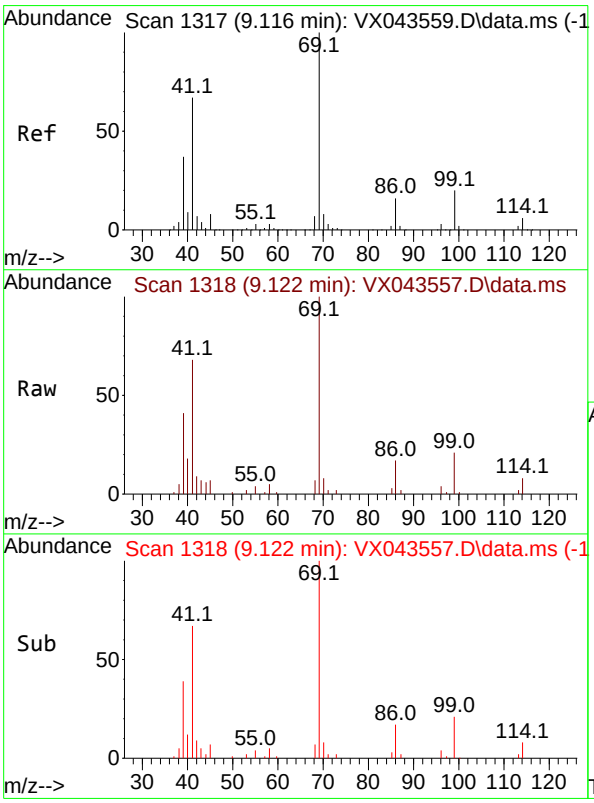
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.3	100.9
85	55.0	43.6	65.4
99	61.8	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

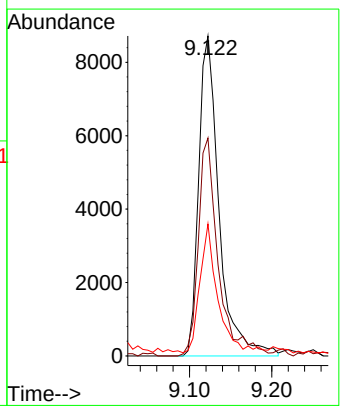
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

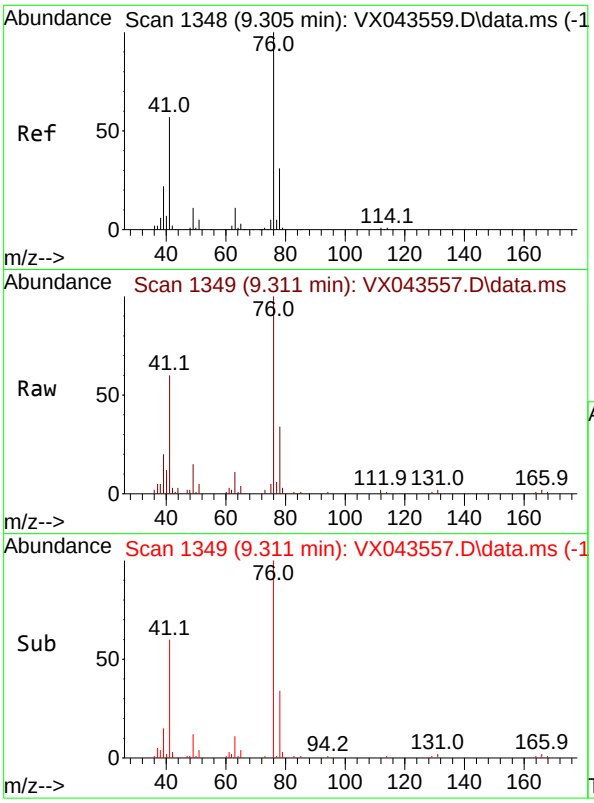


#56
Ethyl methacrylate
Concen: 4.712 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 69 Resp: 14989

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.8	80.8
39	36.6	29.9	44.9

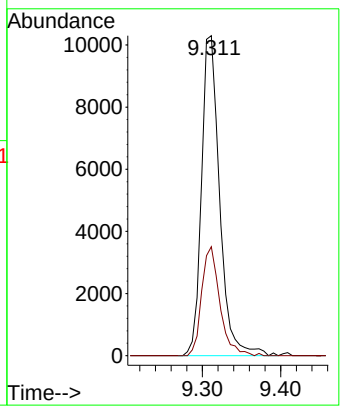




#57
1,3-Dichloropropane
Concen: 5.097 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 76 Resp: 1656

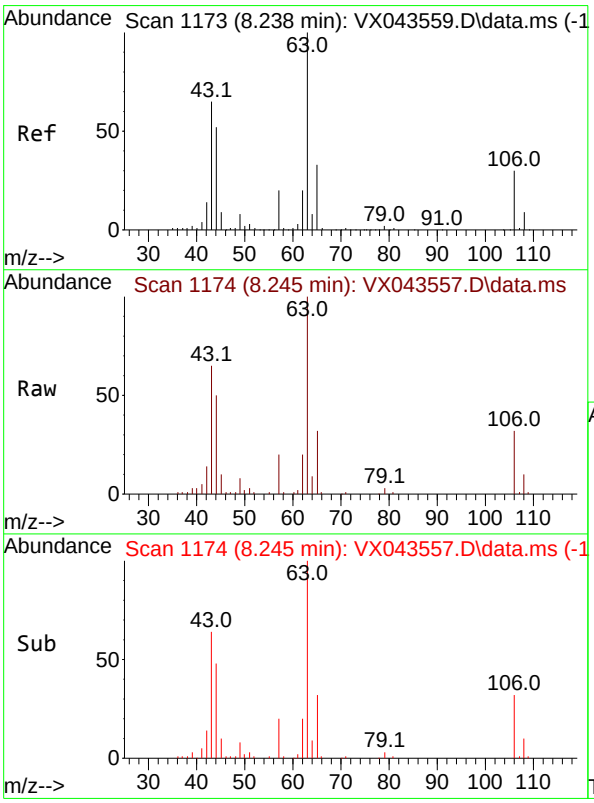
Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

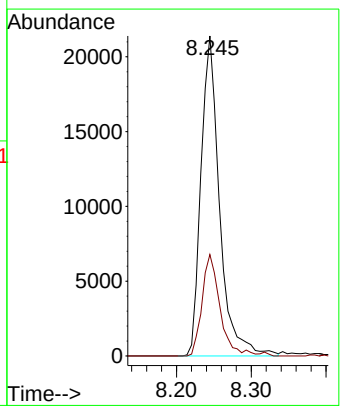
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

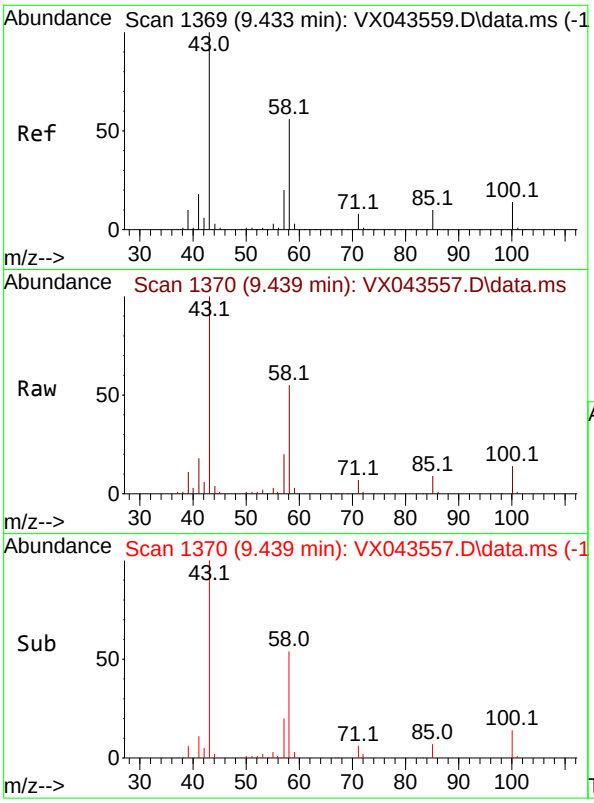


#58
2-Chloroethyl Vinyl ether
Concen: 23.613 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 63 Resp: 36952

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4





#59
2-Hexanone
Concen: 22.614 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

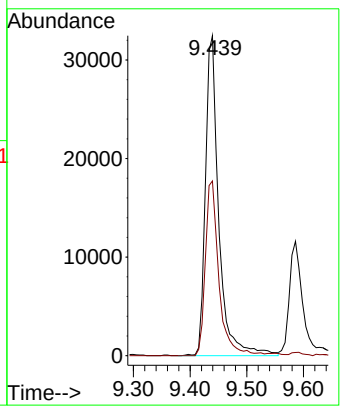
Tgt Ion: 43 Resp: 5294

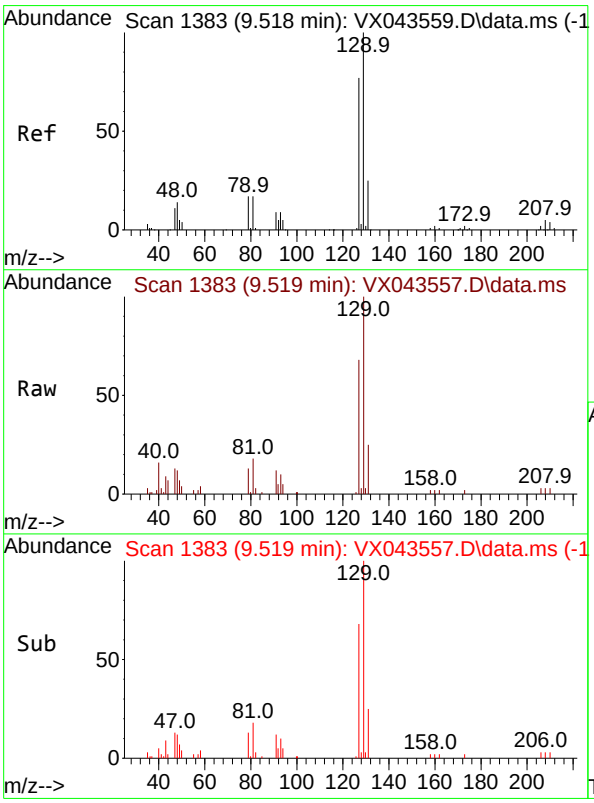
Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

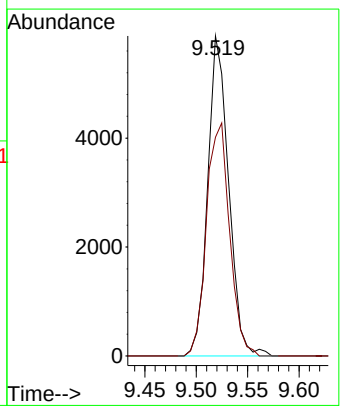


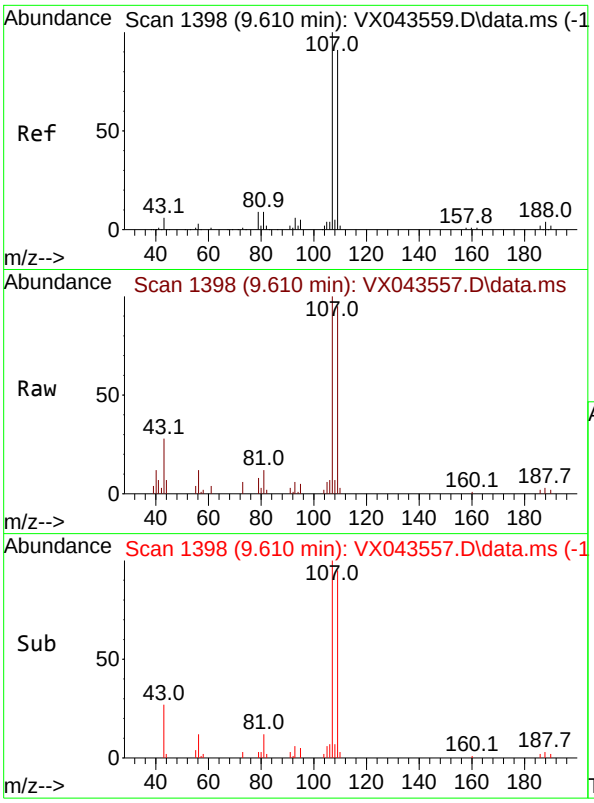


#60
Dibromochloromethane
Concen: 4.514 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:129 Resp: 8314

Ion	Ratio	Lower	Upper
129	100		
127	80.5	38.4	115.1

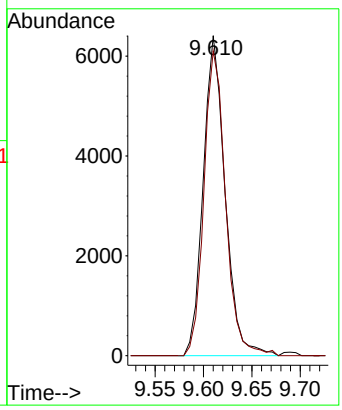




#61
1,2-Dibromoethane
Concen: 5.087 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:107 Resp: 1009

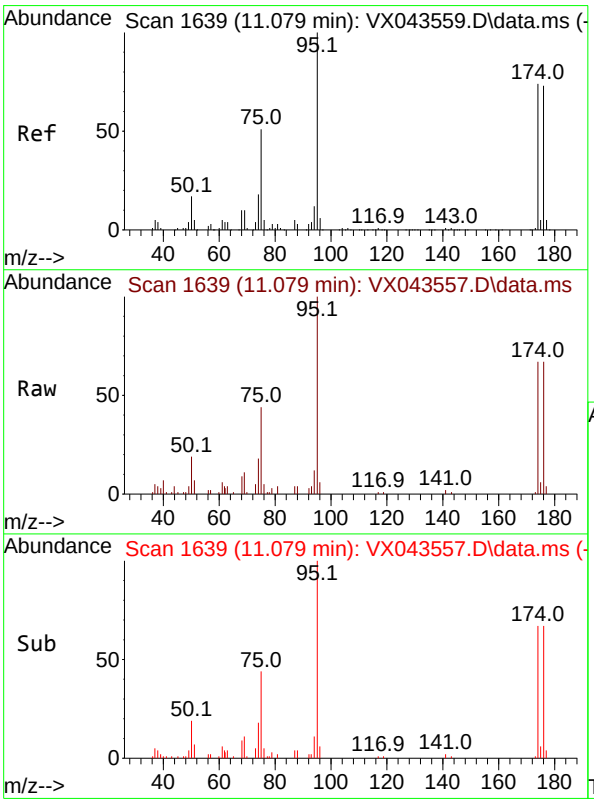
Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

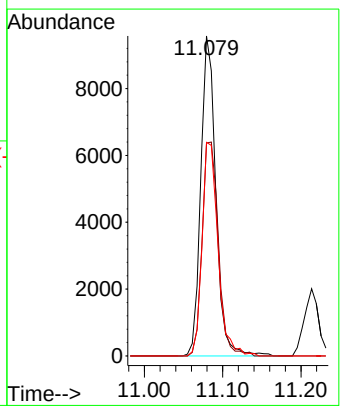
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

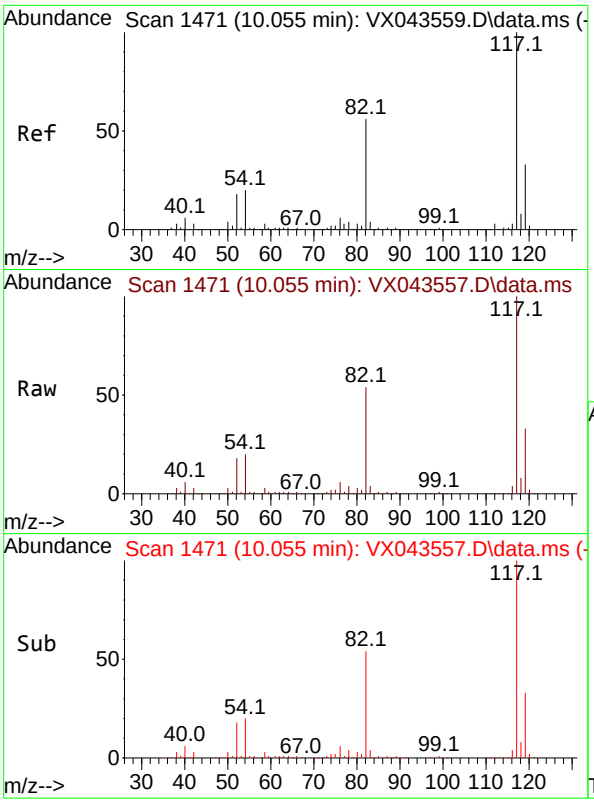


#62
4-Bromofluorobenzene
Concen: 5.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 95 Resp: 12799

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	146.6
176	70.3	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

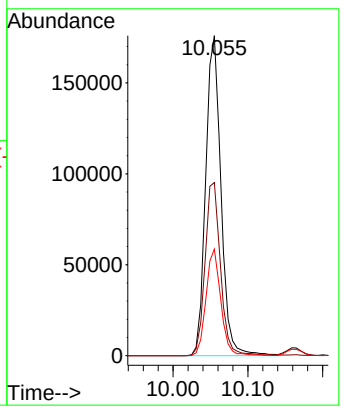
Tgt Ion:117 Resp: 25006

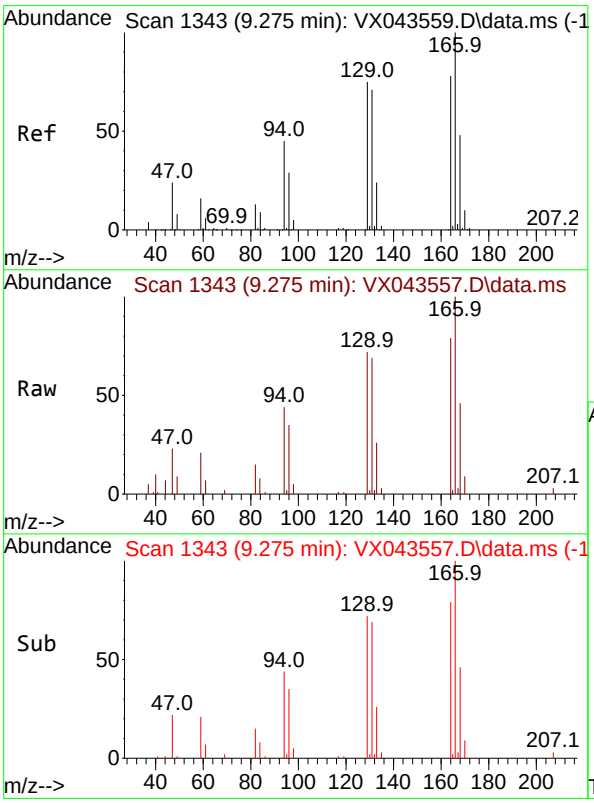
Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.1	63.1
119	33.3	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

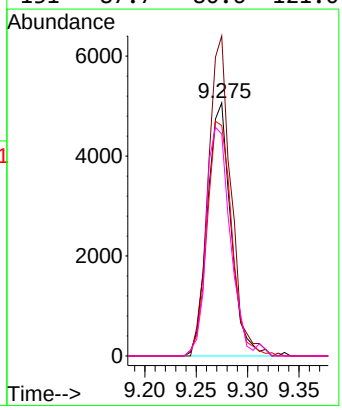


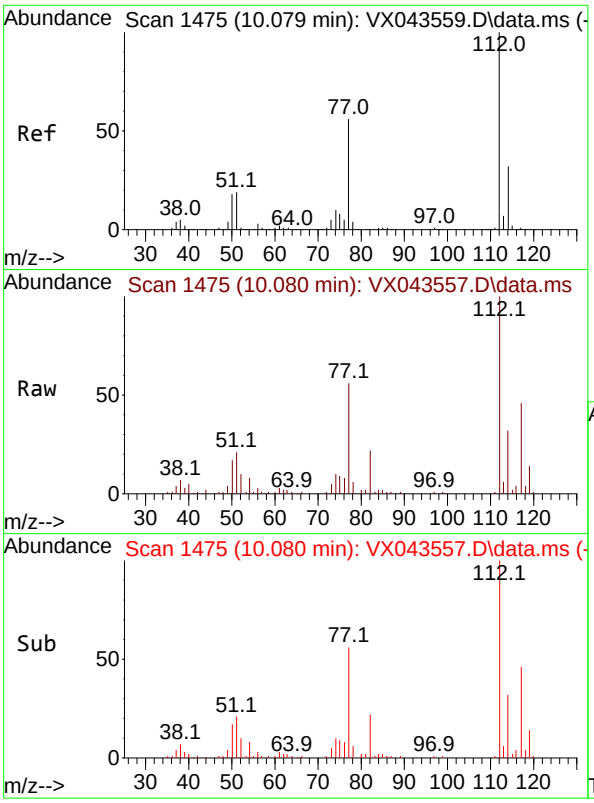


#64
Tetrachloroethene
Concen: 5.154 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:164 Resp: 8068

Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.8	155.6
129	91.0	83.8	125.6
131	87.7	80.6	121.0





#65
Chlorobenzene
Concen: 5.337 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

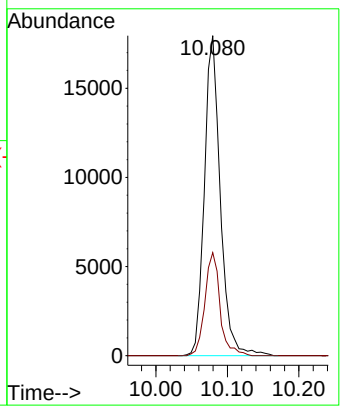
Tgt Ion:112 Resp: 2776

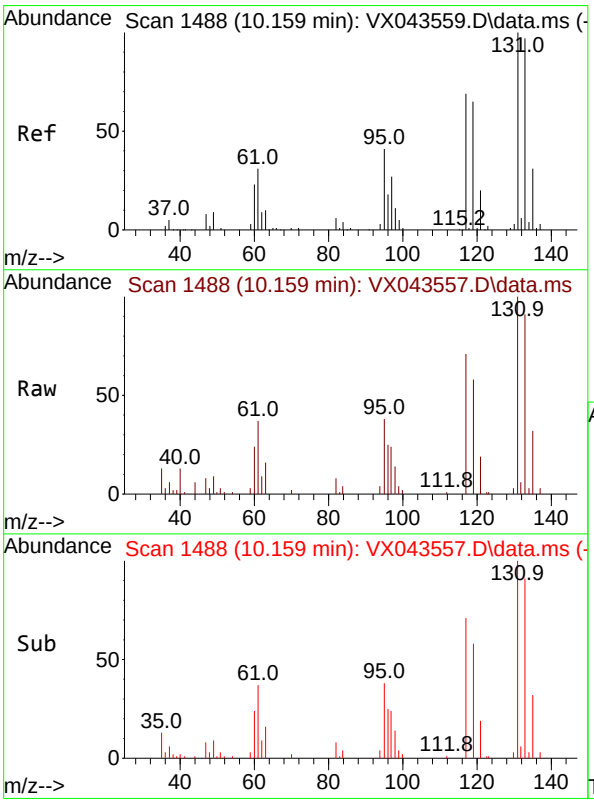
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

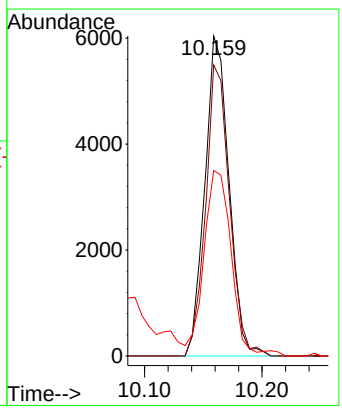


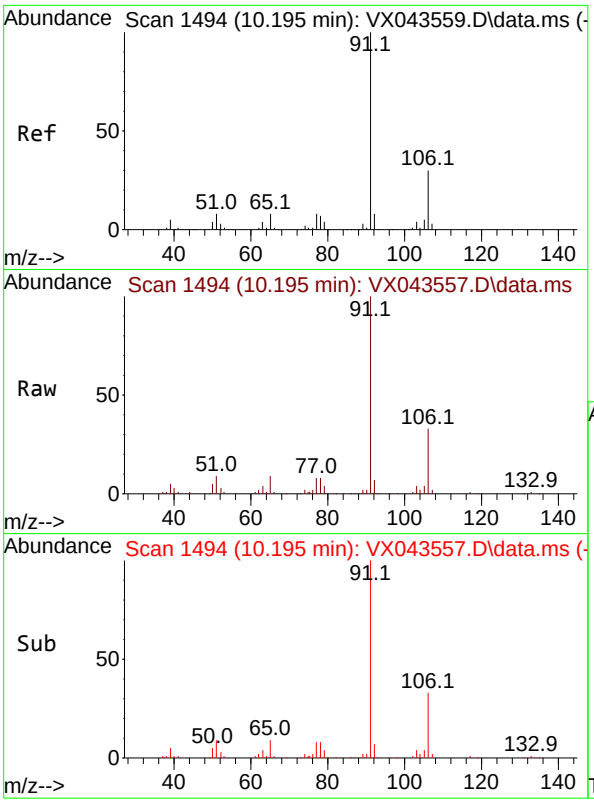


#66
1,1,1,2-Tetrachloroethane
Concen: 4.907 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:131 Resp: 8622

Ion	Ratio	Lower	Upper
131	100		
133	90.2	48.0	144.0
119	65.3	32.3	96.9

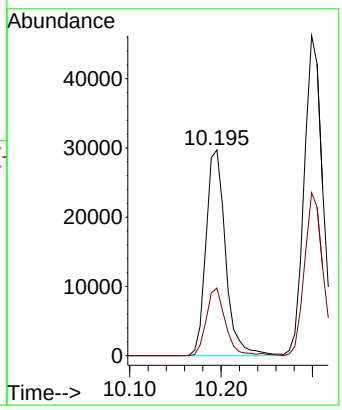




#67
Ethyl Benzene
Concen: 5.095 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 4409

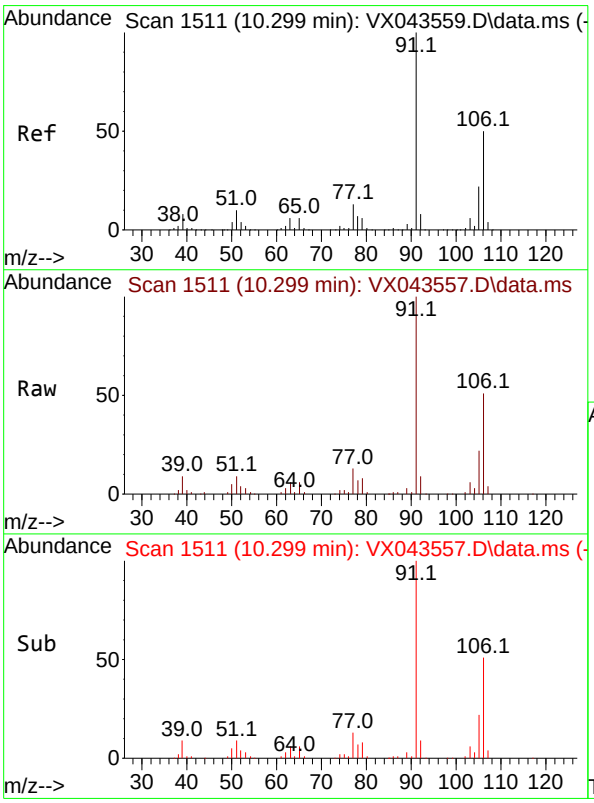
Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

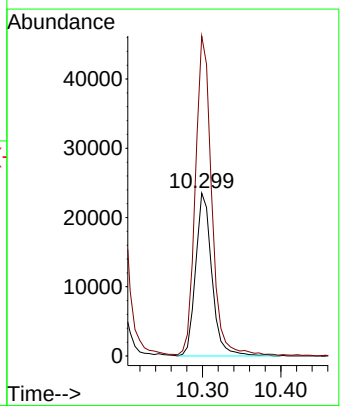
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

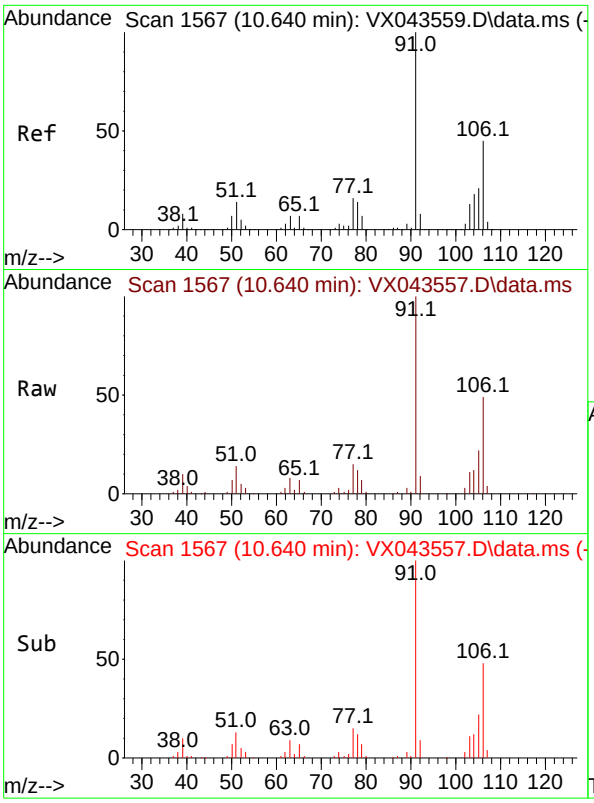


#68
m/p-Xylenes
Concen: 10.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:106 Resp: 33988

Ion	Ratio	Lower	Upper
106	100		
91	199.1	164.7	247.1





#69
o-Xylene
Concen: 5.181 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

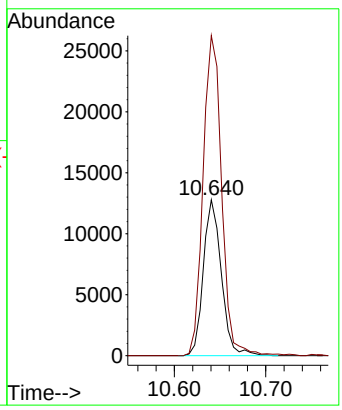
Tgt Ion:106 Resp: 1746

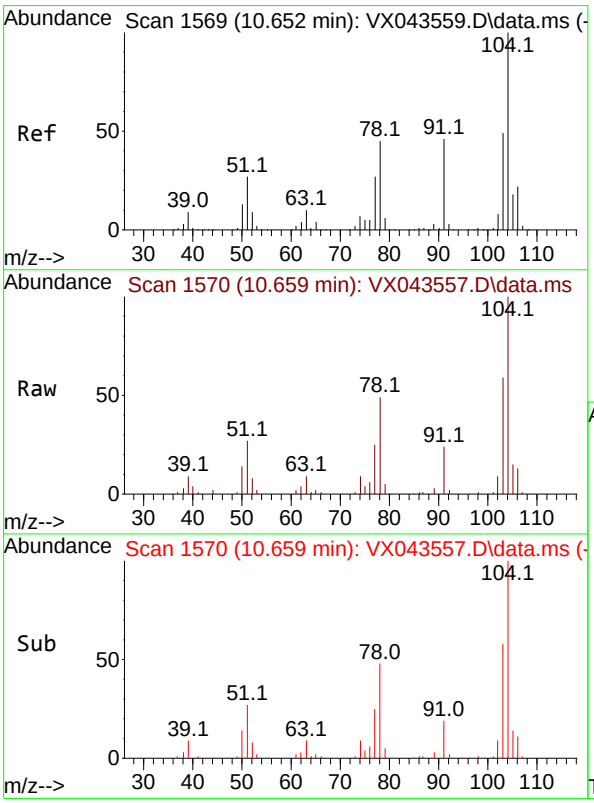
Ion	Ratio	Lower	Upper
106	100		
91	212.0	107.9	323.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

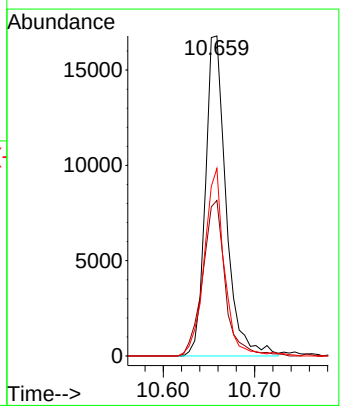


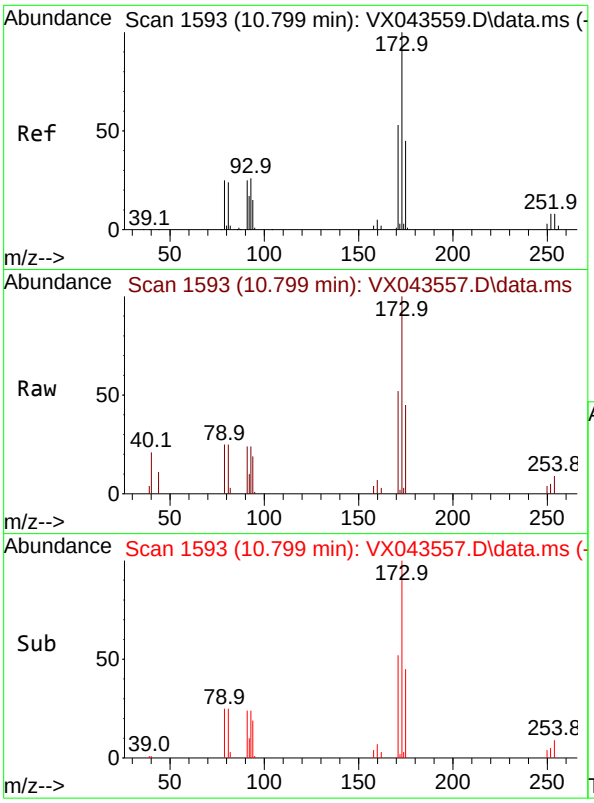


#70
Styrene
Concen: 4.836 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:104 Resp: 26381

Ion	Ratio	Lower	Upper
104	100		
78	52.9	40.0	60.0
103	56.4	43.4	65.0

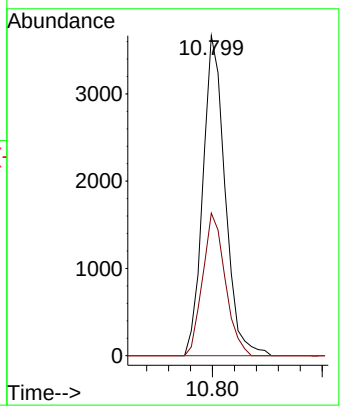




#71
Bromoform
Concen: 4.345 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:173 Resp: 514

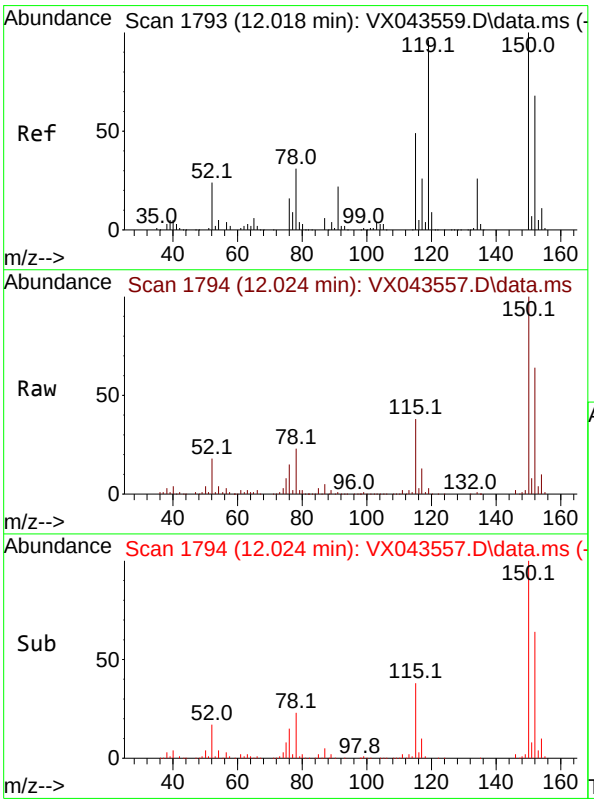
Ion	Ratio	Lower	Upper
173	100		
175	45.3	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

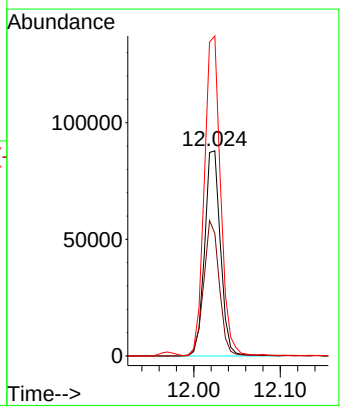
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

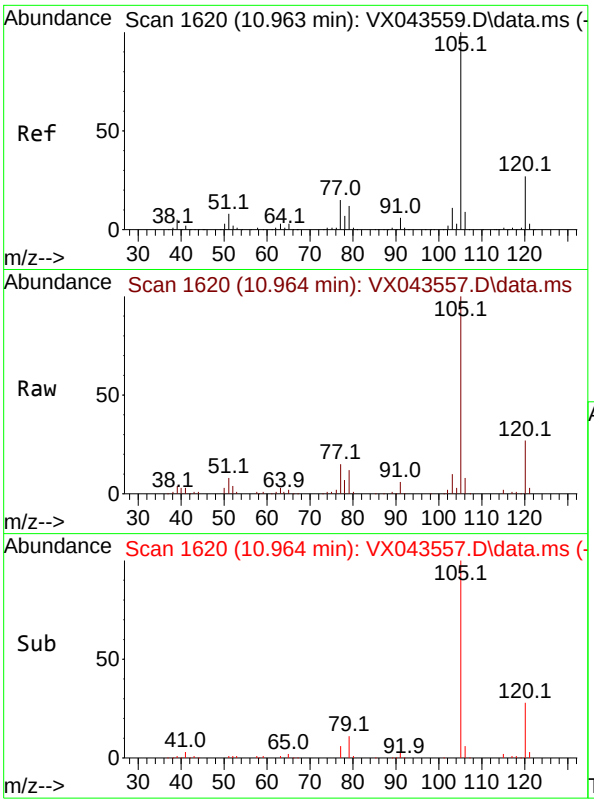


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:152 Resp: 111781

Ion	Ratio	Lower	Upper
152	100		
115	65.0	42.9	128.7
150	158.7	0.0	343.6





#73
Isopropylbenzene
Concen: 5.155 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

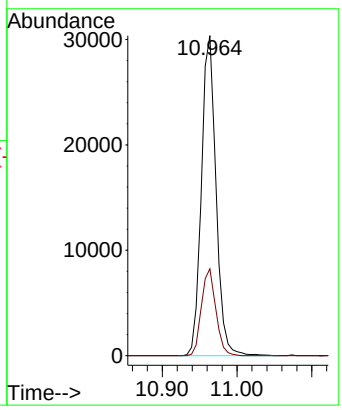
Tgt Ion:105 Resp: 4118

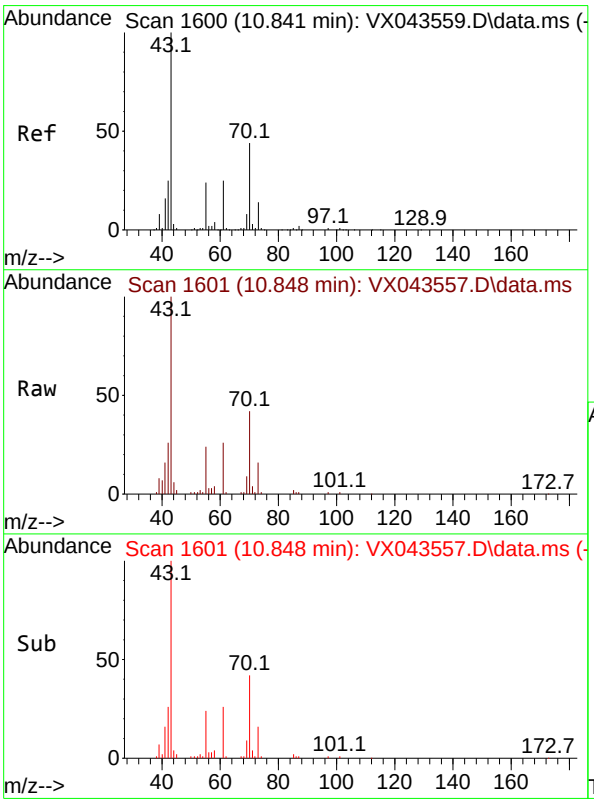
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

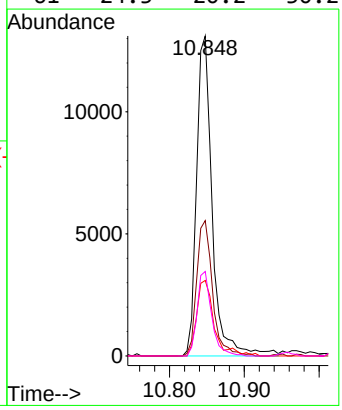


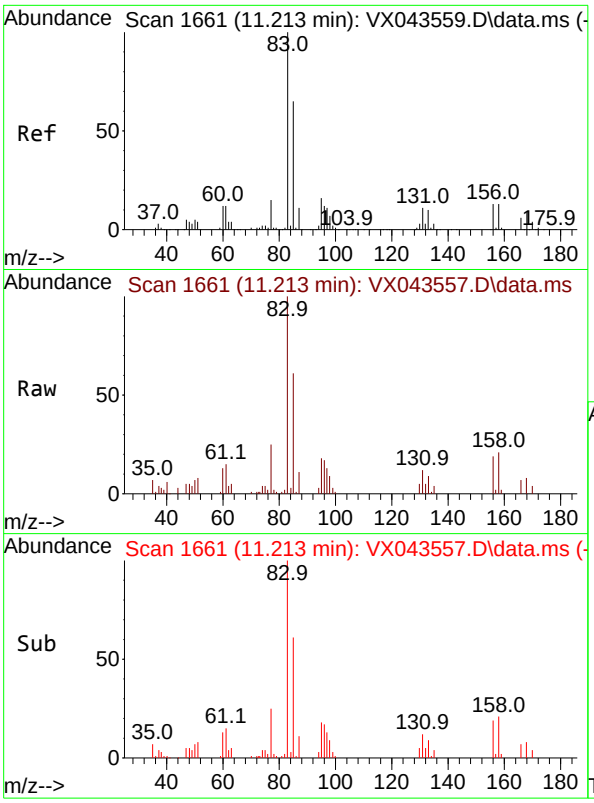


#74
N-amyl acetate
Concen: 4.750 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 19116

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.6	52.0
55	26.1	19.6	29.4
61	24.3	20.2	30.2

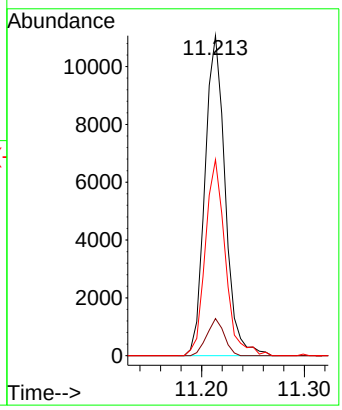




#75
1,1,2,2-Tetrachloroethane
Concen: 4.947 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 83 Resp: 1514

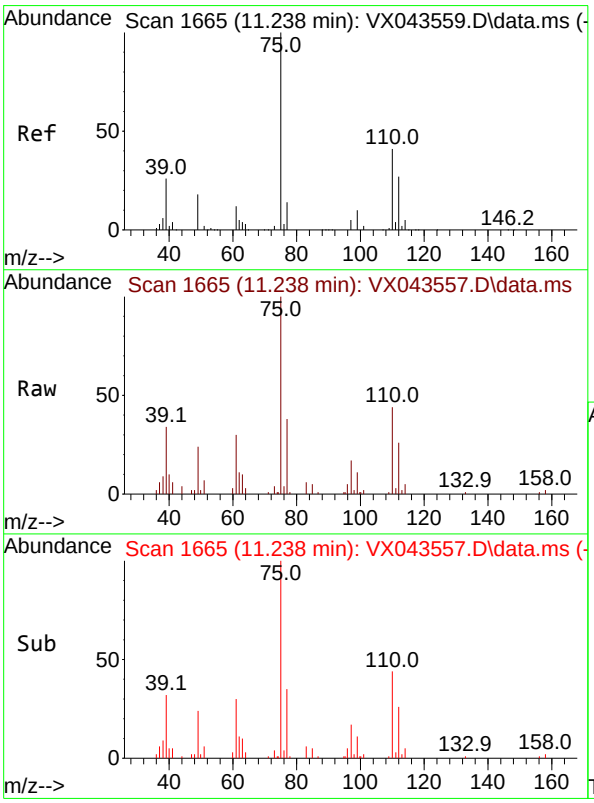
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.3	15.9
85	60.6	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

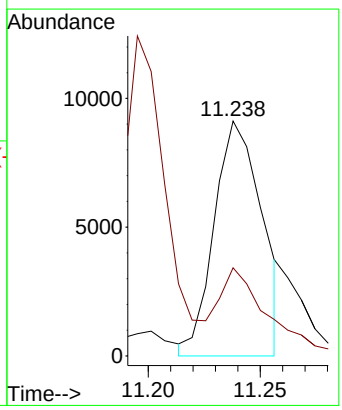
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

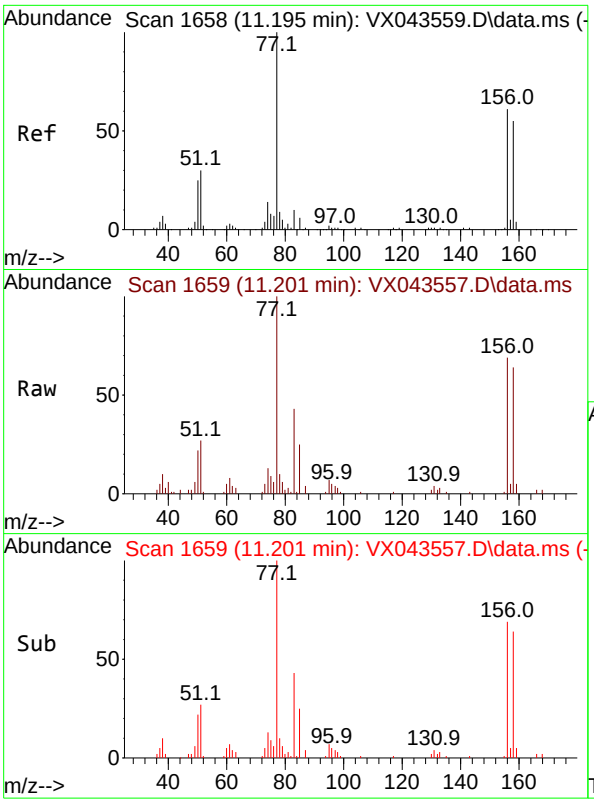


#76
1,2,3-Trichloropropane
Concen: 5.206 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 13527

Ion	Ratio	Lower	Upper
75	100		
77	38.2	22.4	67.2

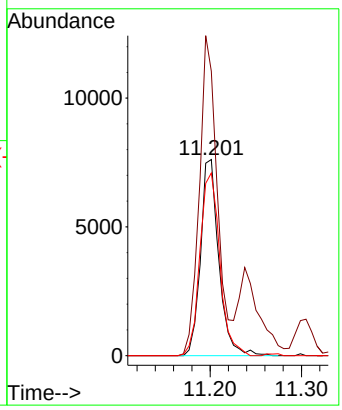




#77
Bromobenzene
Concen: 5.179 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:156 Resp: 1056

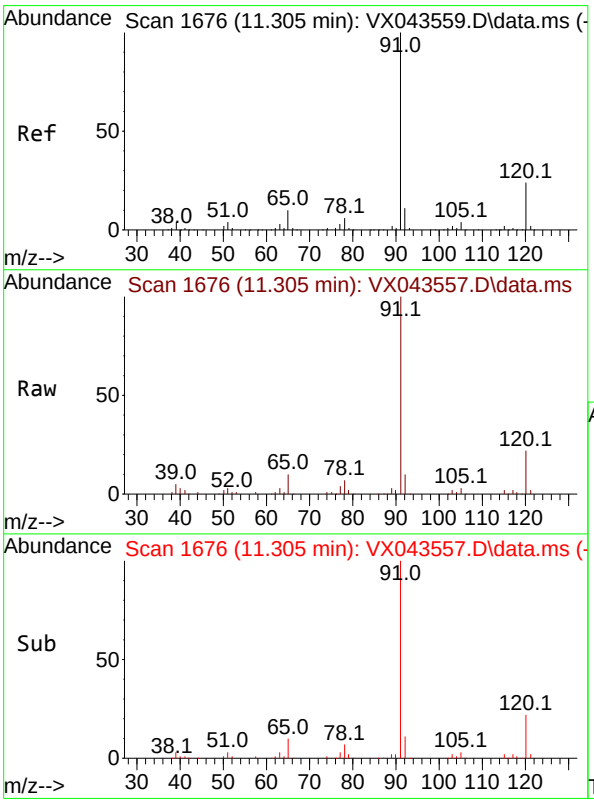
Ion	Ratio	Lower	Upper
156	100		
77	161.5	79.7	239.1
158	101.2	48.0	144.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

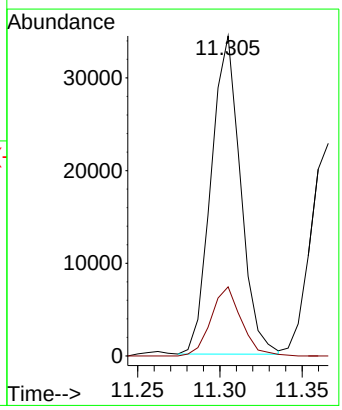
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

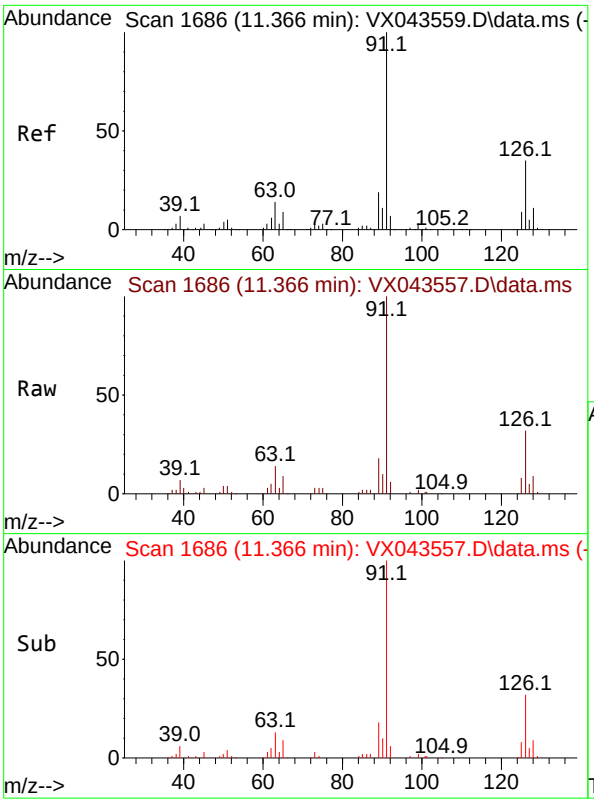


#78
n-propylbenzene
Concen: 5.013 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 42687

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.6	34.7

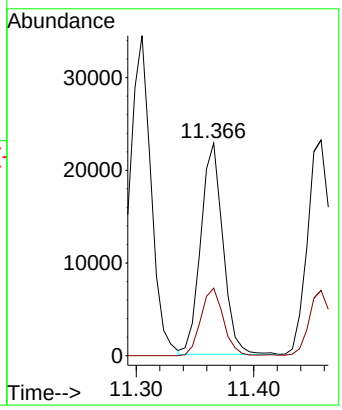




#79
2-Chlorotoluene
Concen: 5.237 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 2992

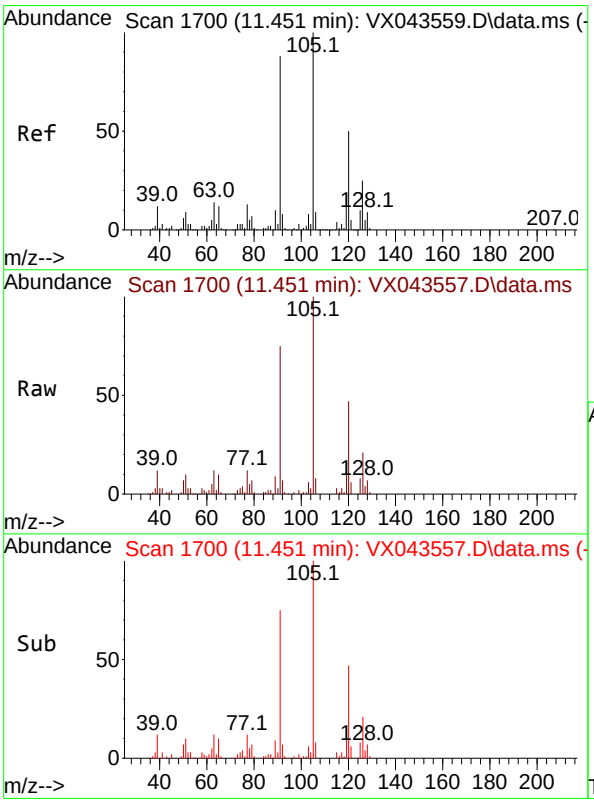
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.7	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

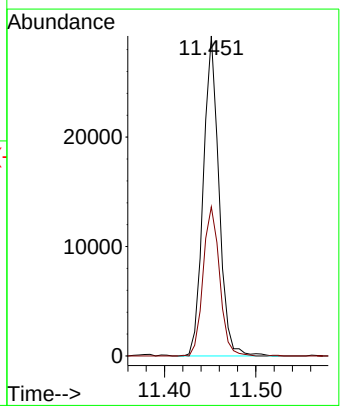
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

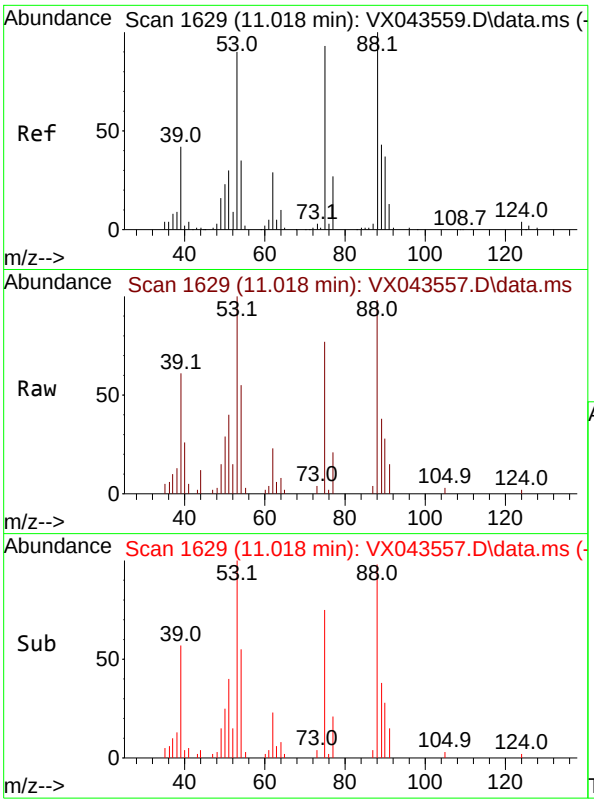


#80
1,3,5-Trimethylbenzene
Concen: 5.232 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:105 Resp: 34706

Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 3.808 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

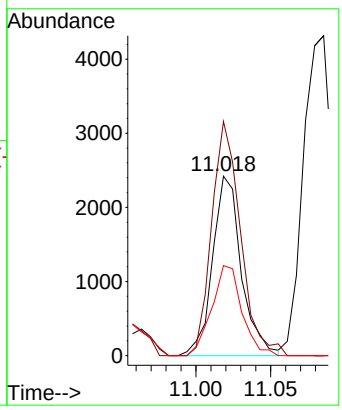
Tgt Ion: 75 Resp: 324

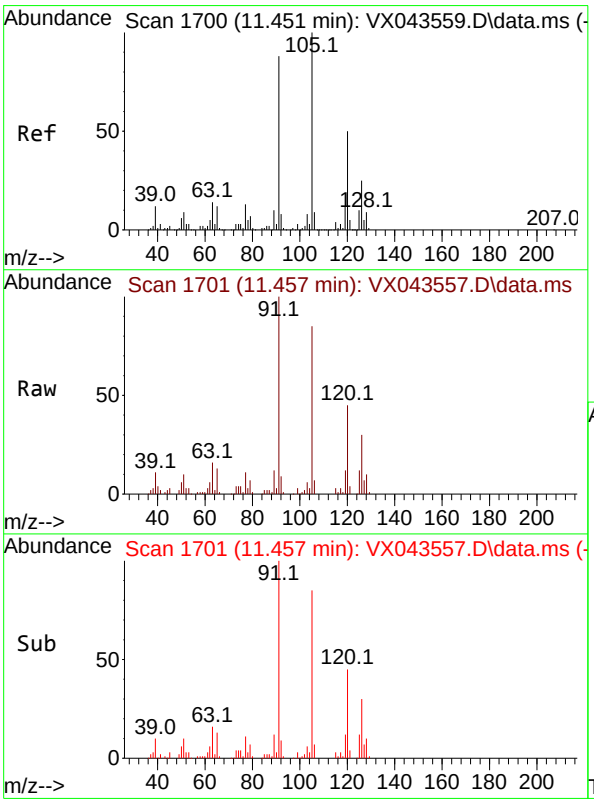
Ion	Ratio	Lower	Upper
75	100		
53	130.4	84.6	126.8
89	52.5	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

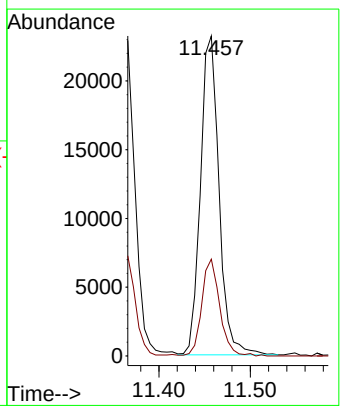


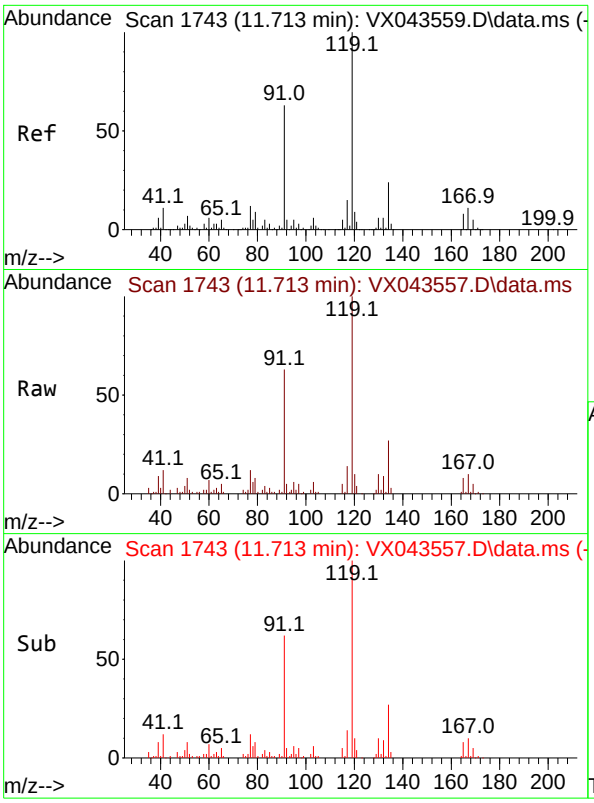


#82
4-Chlorotoluene
Concen: 5.163 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 32648

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.8

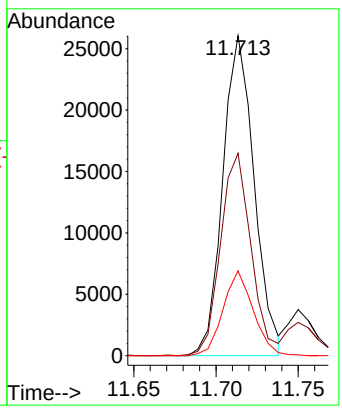




#83
tert-Butylbenzene
Concen: 5.122 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:119 Resp: 3465

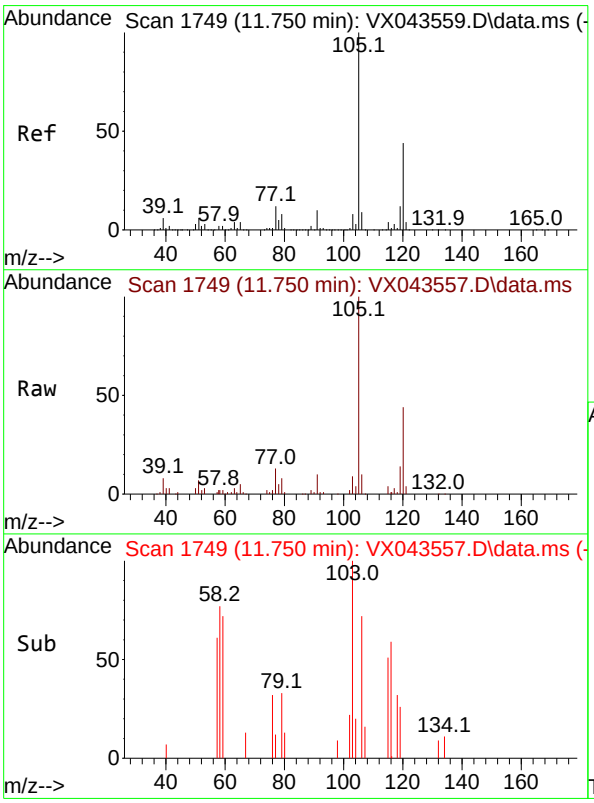
Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.5	88.5
134	25.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

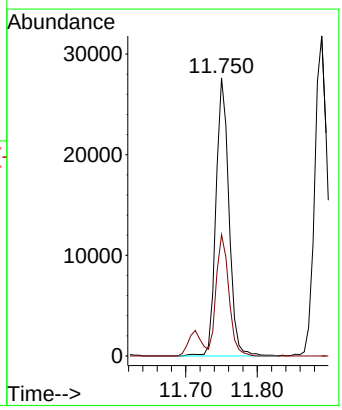
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

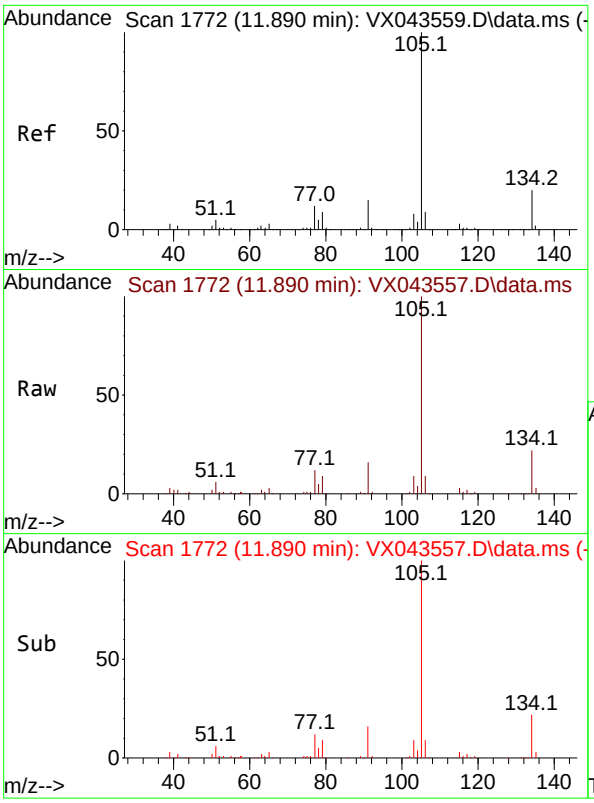


#84
1,2,4-Trimethylbenzene
Concen: 5.125 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:105 Resp: 34775

Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.1	66.1





#85
sec-Butylbenzene
Concen: 5.078 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

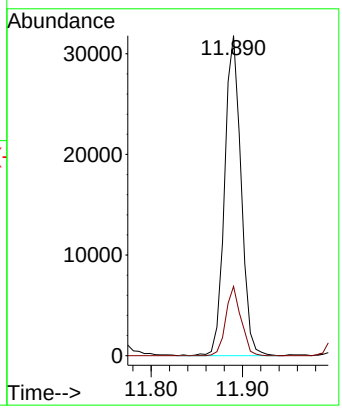
Tgt Ion:105 Resp: 3978

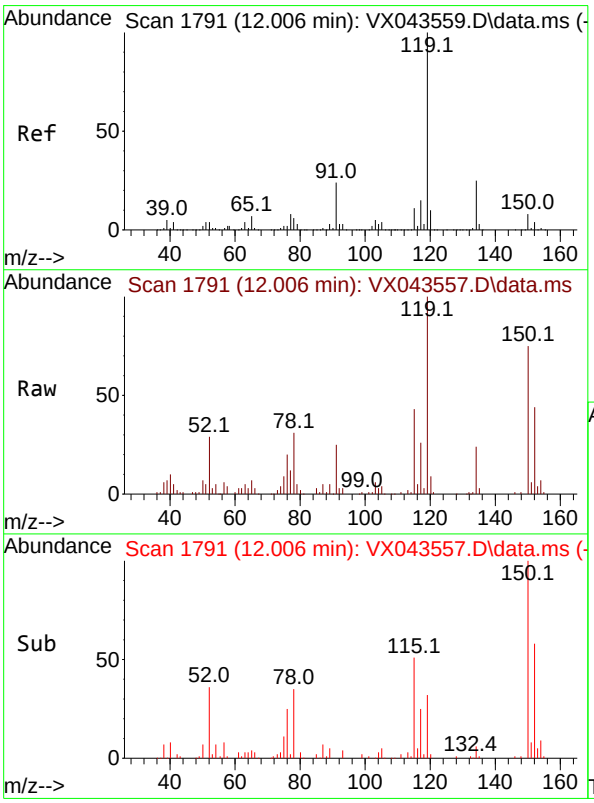
Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

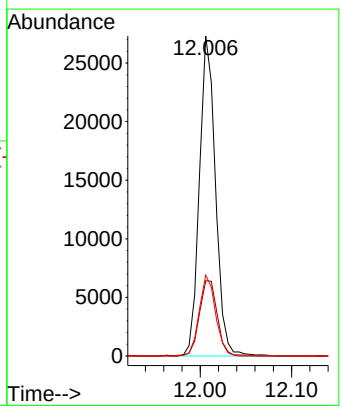


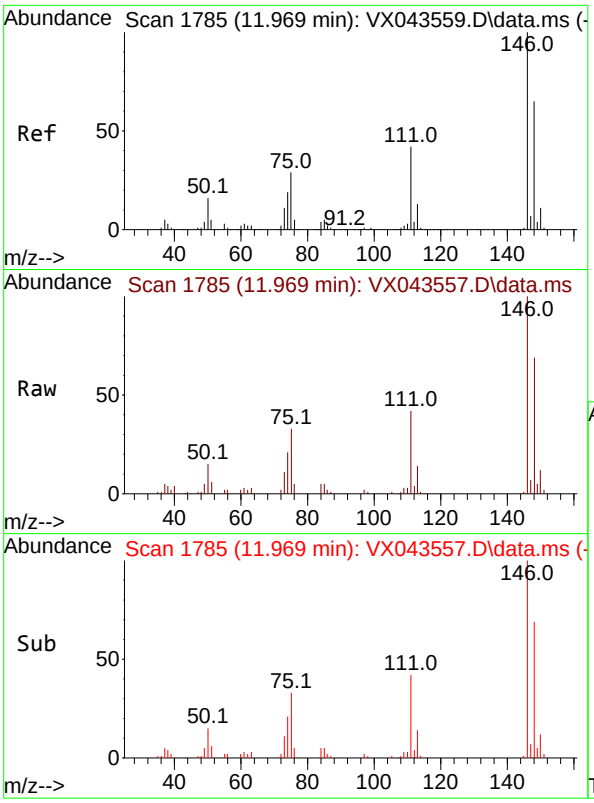


#86
p-Isopropyltoluene
Concen: 5.139 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:119 Resp: 33359

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	26.0	12.4	37.0





#87
1,3-Dichlorobenzene
Concen: 5.178 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

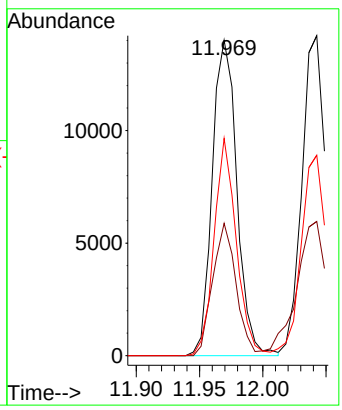
Tgt Ion:146 Resp: 1895

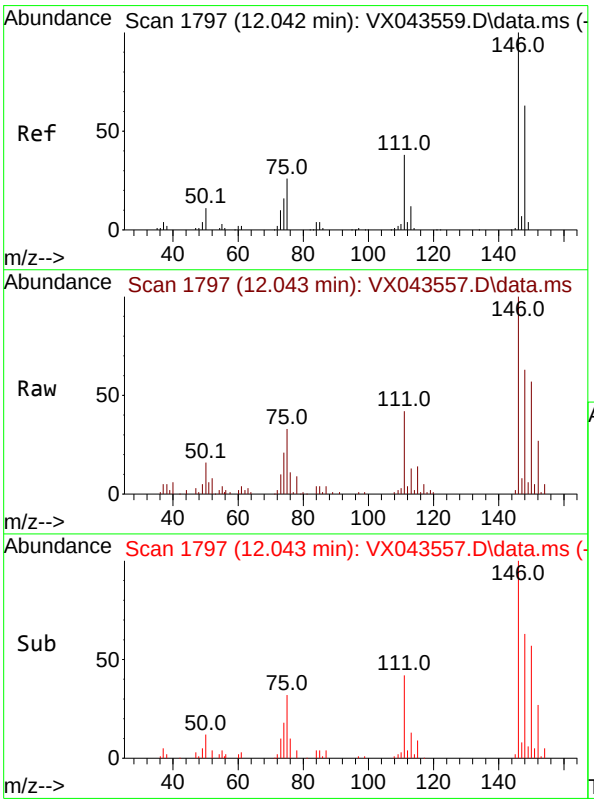
Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.4
148	62.5	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

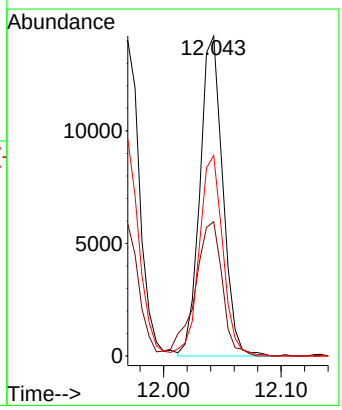


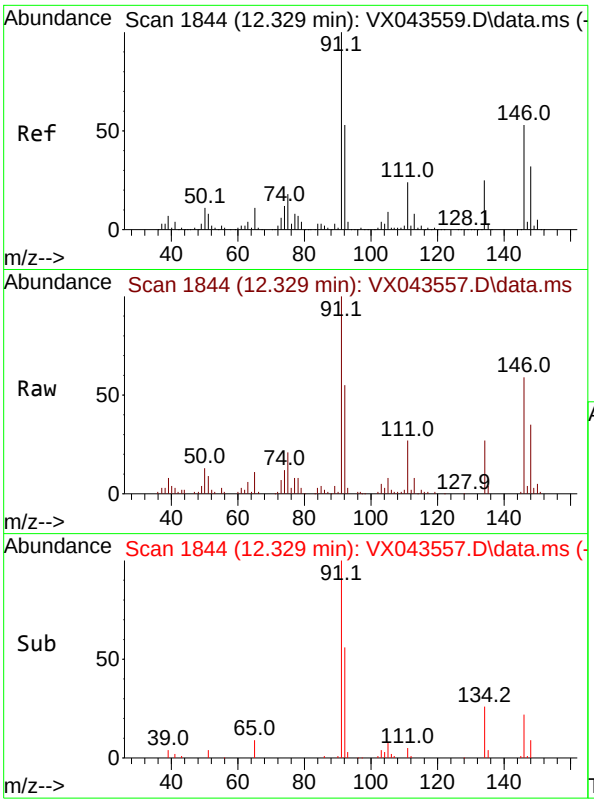


#88
1,4-Dichlorobenzene
Concen: 5.210 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:146 Resp: 19222

Ion	Ratio	Lower	Upper
146	100		
111	50.3	20.4	61.3
148	64.8	31.9	95.9

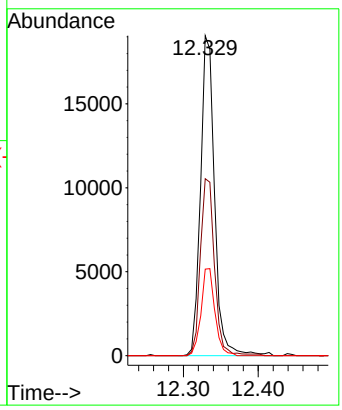




#89
n-Butylbenzene
Concen: 4.736 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 2492

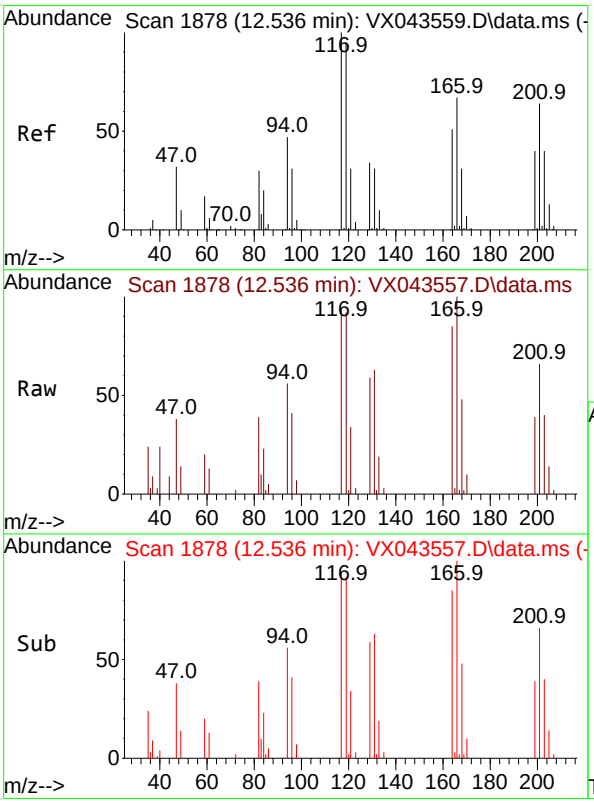
Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.1	81.2
134	26.9	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

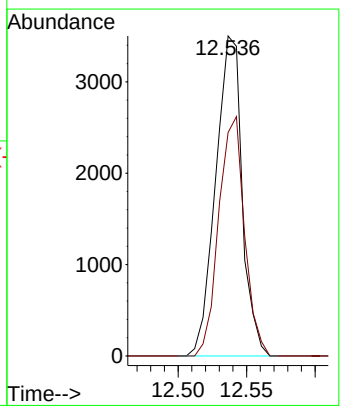
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

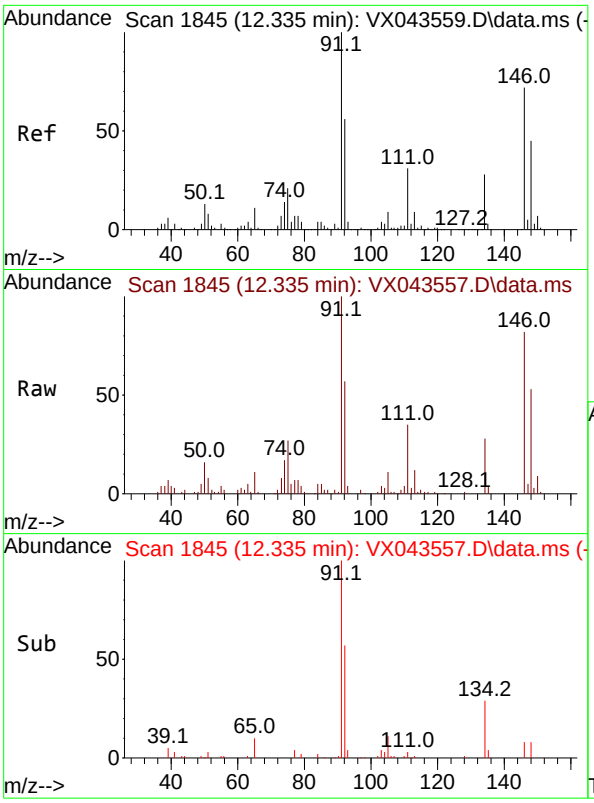


#90
Hexachloroethane
Concen: 4.480 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:117 Resp: 4704

Ion	Ratio	Lower	Upper
117	100		
201	72.9	32.9	98.7

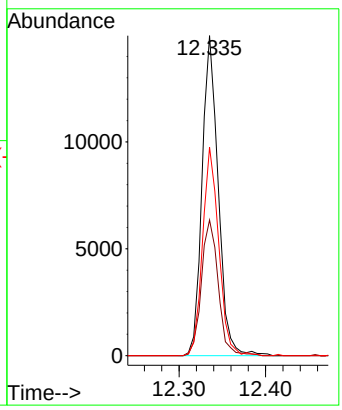




#91
1,2-Dichlorobenzene
Concen: 5.139 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:146 Resp: 1939

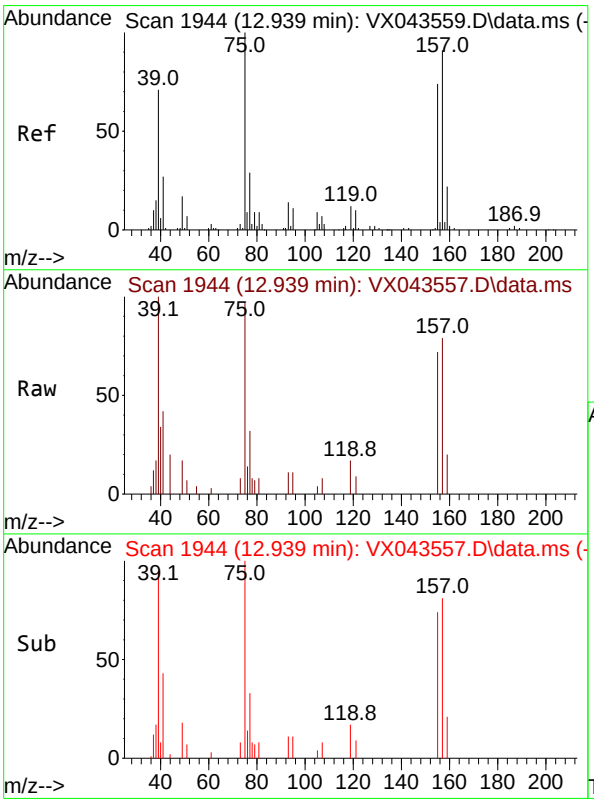
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	65.5	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

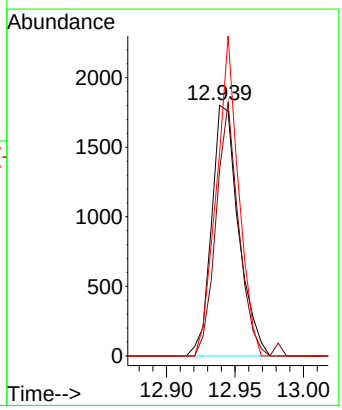
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

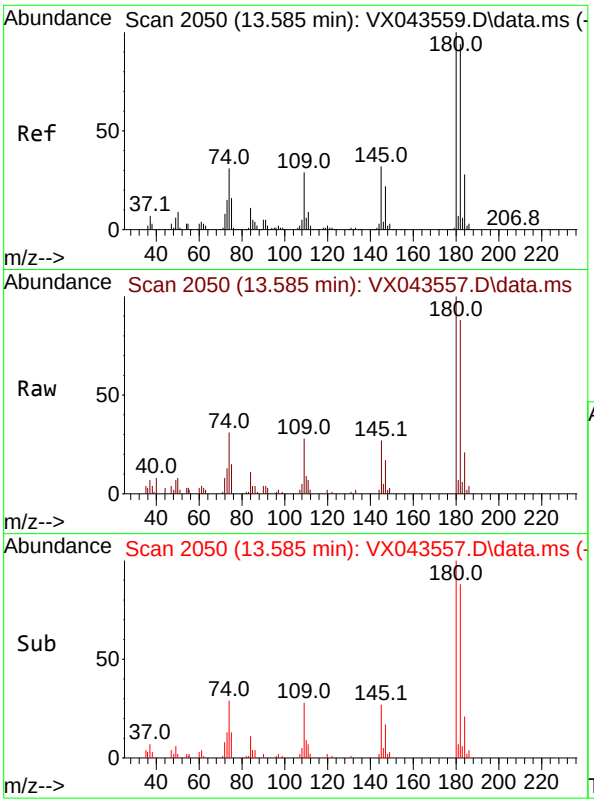


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.771 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 2456

Ion	Ratio	Lower	Upper
75	100		
155	84.8	40.1	120.3
157	105.3	50.8	152.4

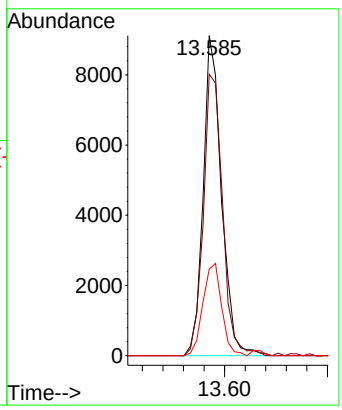




#93
1,2,4-Trichlorobenzene
Concen: 5.098 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:180 Resp: 1126

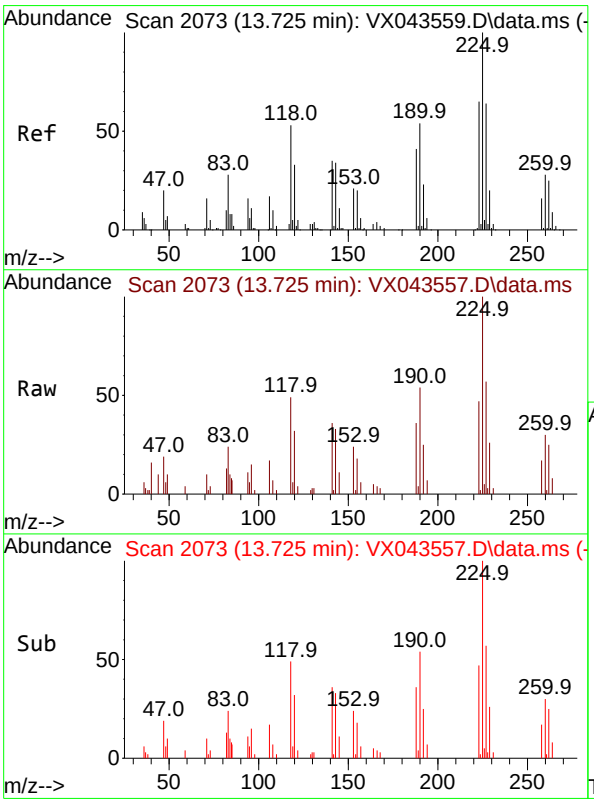
Ion	Ratio	Lower	Upper
180	100		
182	92.3	46.8	140.4
145	29.5	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

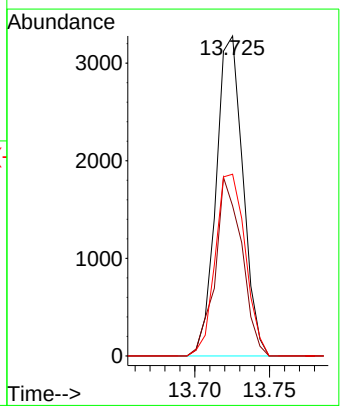
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

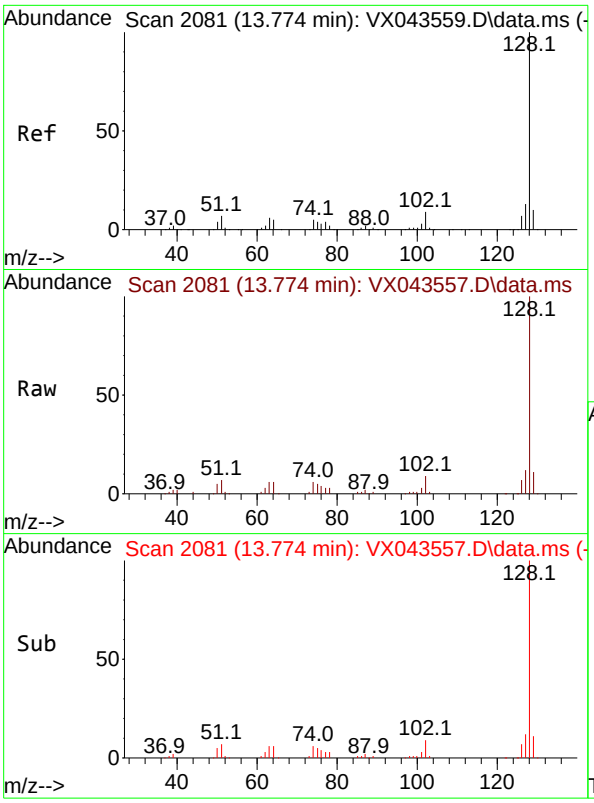


#94
Hexachlorobutadiene
Concen: 5.239 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:225 Resp: 4097

Ion	Ratio	Lower	Upper
225	100		
223	55.2	30.8	92.4
227	63.4	31.6	94.8

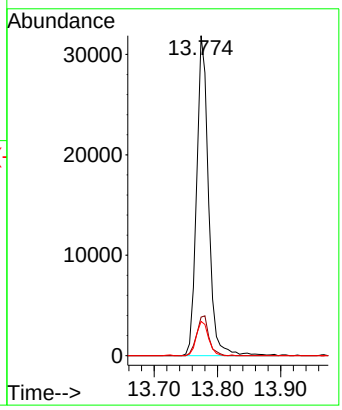




#95
Naphthalene
Concen: 4.613 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:128 Resp: 4183

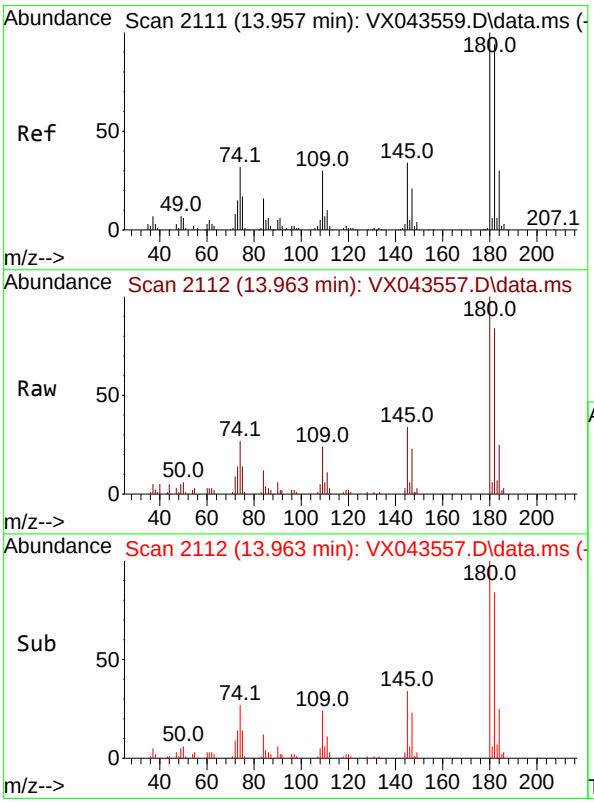
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

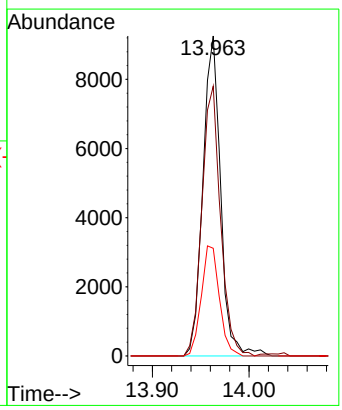
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 5.110 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:180 Resp: 11815

Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.1	141.3
145	35.2	17.4	52.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	159966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	119710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	50818	20.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.060%#		
35) Dibromofluoromethane	5.385	113	39238	20.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.460%#		
50) Toluene-d8	8.647	98	140572	20.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.800%#		
62) 4-Bromofluorobenzene	11.079	95	50243	20.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.900%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35334	19.816	ug/l	97
3) Chloromethane	1.294	50	43361	19.061	ug/l	99
4) Vinyl Chloride	1.374	62	40804	19.692	ug/l	99
5) Bromomethane	1.599	94	15764	19.478	ug/l	94
6) Chloroethane	1.666	64	13552	19.988	ug/l	100
7) Trichlorofluoromethane	1.861	101	45410	16.698	ug/l	99
8) Diethyl Ether	2.136	74	22721	19.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	33400	19.458	ug/l	98
10) Methyl Iodide	2.441	142	48753	20.510	ug/l	97
11) Tert butyl alcohol	3.050	59	42004m	77.502	ug/l	
12) 1,1-Dichloroethene	2.300	96	33343	19.757	ug/l	98
13) Acrolein	2.239	56	38776	90.794	ug/l	99
14) Allyl chloride	2.654	41	57560	19.220	ug/l	99
15) Acrylonitrile	3.075	53	105959	88.256	ug/l	98
16) Acetone	2.398	43	93987	86.771	ug/l	99
17) Carbon Disulfide	2.495	76	64452	18.450	ug/l	100
18) Methyl Acetate	2.709	43	56319	17.301	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	130430	19.863	ug/l	96
20) Methylene Chloride	2.782	84	42392	20.027	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	36925	20.210	ug/l	97
22) Diisopropyl ether	3.770	45	126839	20.521	ug/l	93
23) Vinyl Acetate	3.721	43	514244	100.709	ug/l	99
24) 1,1-Dichloroethane	3.605	63	70569	20.241	ug/l	98
25) 2-Butanone	4.574	43	146114	88.817	ug/l	98
26) 2,2-Dichloropropane	4.465	77	57622	22.931	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	45798	20.118	ug/l	99
28) Bromochloromethane	4.897	49	33980	19.701	ug/l	100
29) Tetrahydrofuran	5.013	42	95553	88.955	ug/l	100
30) Chloroform	5.086	83	74554	19.996	ug/l	95
31) Cyclohexane	5.464	56	56622	20.469	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62556	19.966	ug/l	98
36) 1,1-Dichloropropene	5.684	75	47520	20.699	ug/l	99
37) Ethyl Acetate	4.727	43	58054	18.528	ug/l	100
38) Carbon Tetrachloride	5.666	117	49282	18.891	ug/l	96
39) Methylcyclohexane	7.373	83	59999	20.379	ug/l	98
40) Benzene	6.031	78	161123	20.995	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	30325	19.241	ug/l		95
42) 1,2-Dichloroethane	6.086	62	58281	20.645	ug/l		99
43) Isopropyl Acetate	6.348	43	92676	18.698	ug/l		98
44) Trichloroethene	7.123	130	39344	21.623	ug/l		94
45) 1,2-Dichloropropane	7.427	63	37857	20.200	ug/l		93
46) Dibromomethane	7.580	93	30097	20.905	ug/l		99
47) Bromodichloromethane	7.824	83	50694	19.849	ug/l		100
48) Methyl methacrylate	7.696	41	45592	19.703	ug/l		99
49) 1,4-Dioxane	7.683	88	15361	258.381	ug/l	#	75
51) 4-Methyl-2-Pentanone	8.580	43	295125	93.974	ug/l		100
52) Toluene	8.720	92	100958	21.337	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	56483	21.853	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	62338	21.962	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	40197	20.132	ug/l		99
56) Ethyl methacrylate	9.116	69	65359	20.255	ug/l		97
57) 1,3-Dichloropropane	9.305	76	68675	20.831	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	167179	105.324	ug/l		98
59) 2-Hexanone	9.433	43	221604	93.320	ug/l		100
60) Dibromochloromethane	9.519	129	38713	20.721	ug/l		99
61) 1,2-Dibromoethane	9.610	107	42059	20.896	ug/l		97
64) Tetrachloroethene	9.269	164	33267	20.871	ug/l		90
65) Chlorobenzene	10.079	112	110251	20.814	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	35663	19.934	ug/l		98
67) Ethyl Benzene	10.189	91	183192	20.790	ug/l		98
68) m/p-Xylenes	10.299	106	144291	43.222	ug/l		96
69) o-Xylene	10.640	106	71049	20.704	ug/l		98
70) Styrene	10.652	104	119564	21.527	ug/l		100
71) Bromoform	10.799	173	23453	19.445	ug/l	#	98
73) Isopropylbenzene	10.963	105	177401	20.733	ug/l		99
74) N-amyl acetate	10.841	43	83132	19.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	63016	19.225	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	55850m	20.069	ug/l		
77) Bromobenzene	11.195	156	44364	20.310	ug/l		98
78) n-propylbenzene	11.305	91	194707	21.351	ug/l		100
79) 2-Chlorotoluene	11.366	91	126983	20.753	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	149254	21.008	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	17057	18.703	ug/l		96
82) 4-Chlorotoluene	11.451	91	140875	20.804	ug/l		98
83) tert-Butylbenzene	11.713	119	150766	20.809	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	152608	21.002	ug/l		99
85) sec-Butylbenzene	11.890	105	178042	21.218	ug/l		98
86) p-Isopropyltoluene	12.006	119	149537	21.511	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	78867	20.122	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	81095	20.525	ug/l		99
89) n-Butylbenzene	12.329	91	120461	21.375	ug/l		99
90) Hexachloroethane	12.536	117	22769	20.246	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	81283	20.112	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	17.603	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	47851	20.219	ug/l		99
94) Hexachlorobutadiene	13.725	225	18082	21.589	ug/l		97
95) Naphthalene	13.774	128	191837	19.754	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	51568	20.826	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

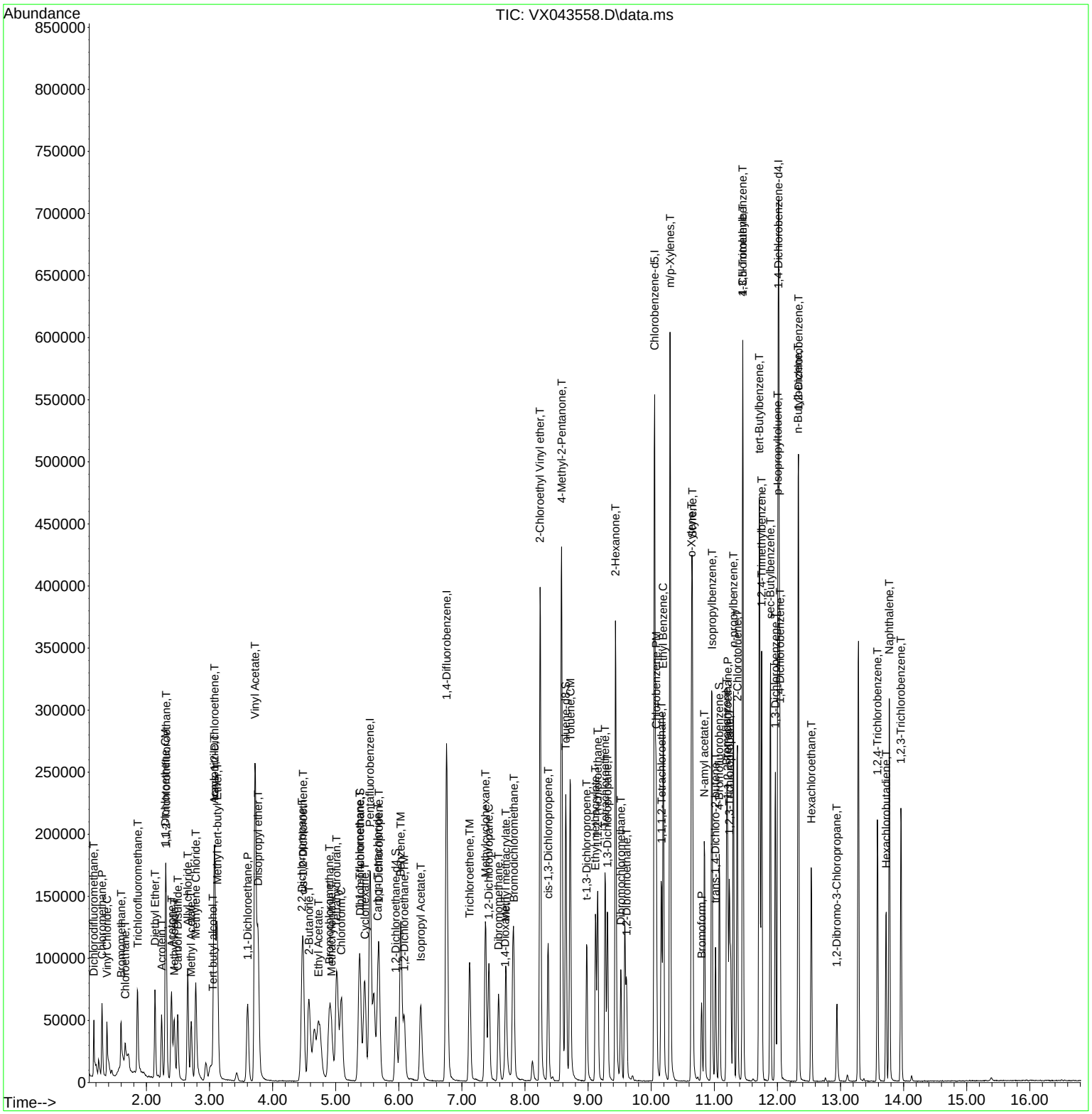
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

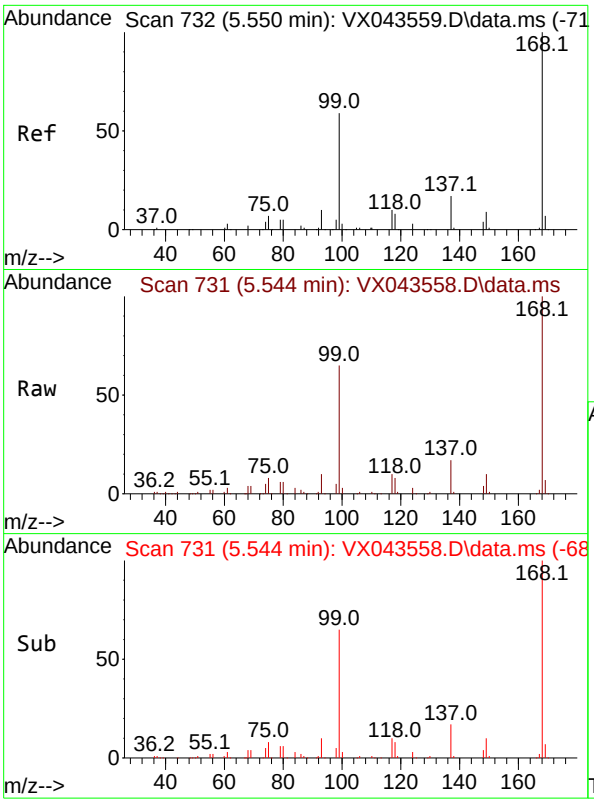
Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

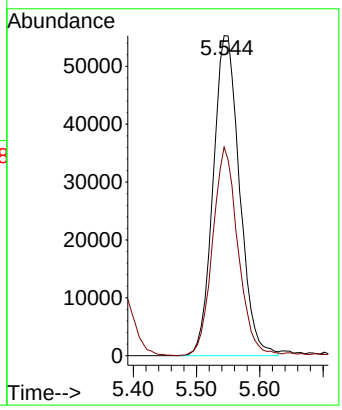




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:168 Resp: 15996

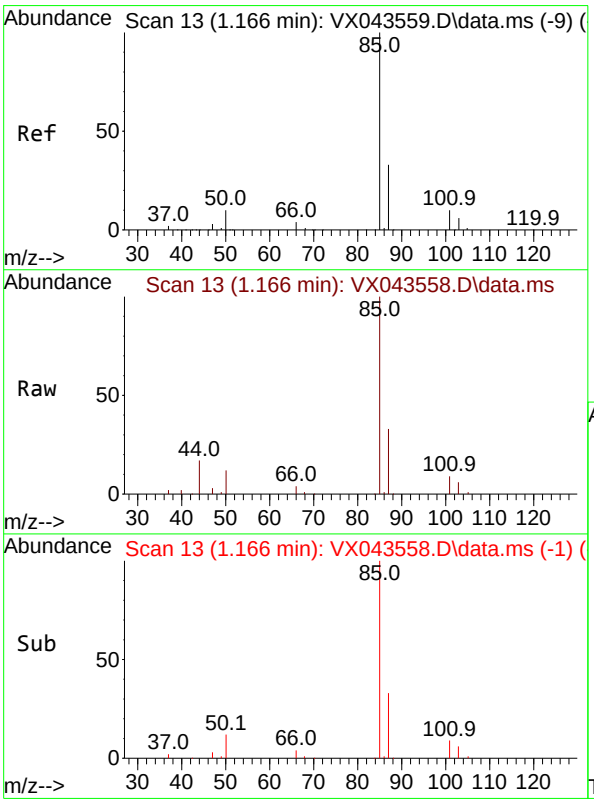
Ion	Ratio	Lower	Upper
168	100		
99	65.2	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

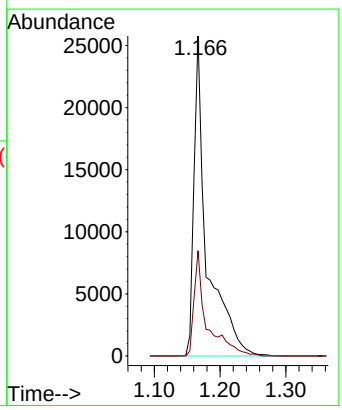
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

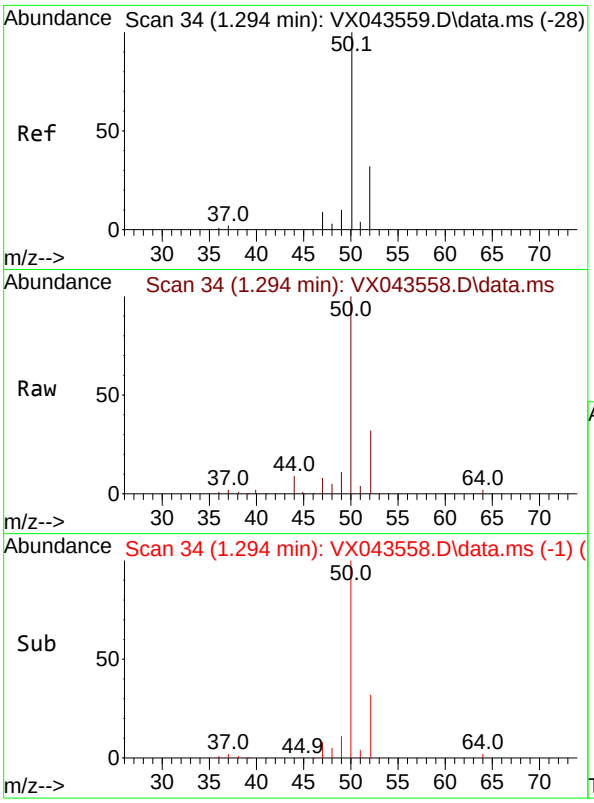


#2
Dichlorodifluoromethane
Concen: 19.816 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 85 Resp: 35334

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.7	47.0

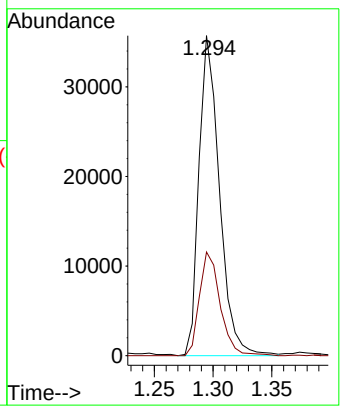




#3
Chloromethane
Concen: 19.061 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 50 Resp: 4336

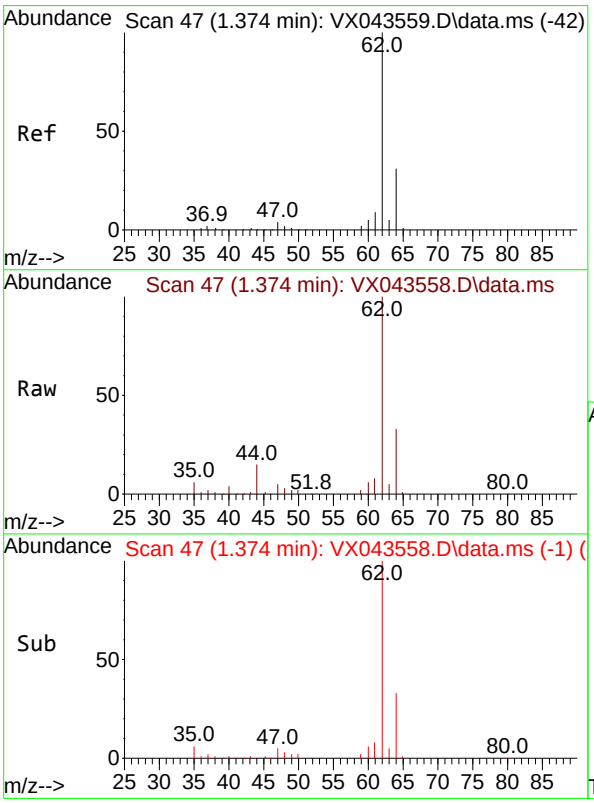
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

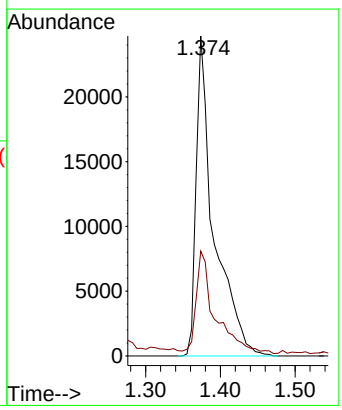
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

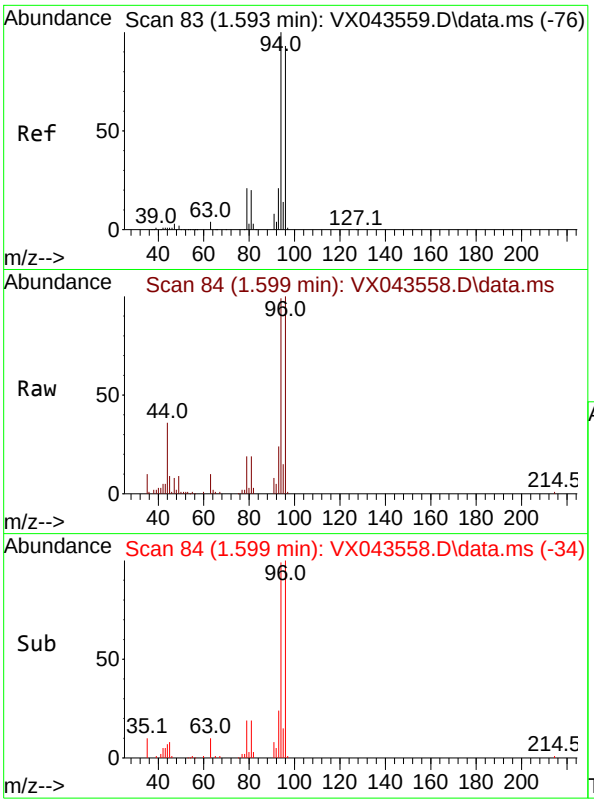


#4
Vinyl Chloride
Concen: 19.692 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 62 Resp: 40804

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.0	37.4

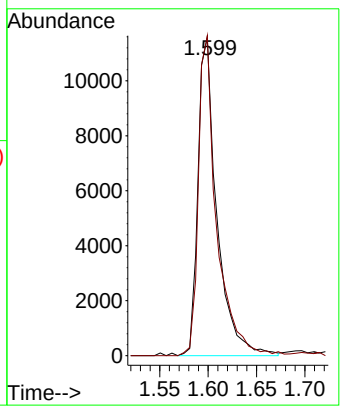




#5
Bromomethane
Concen: 19.478 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 94 Resp: 1576

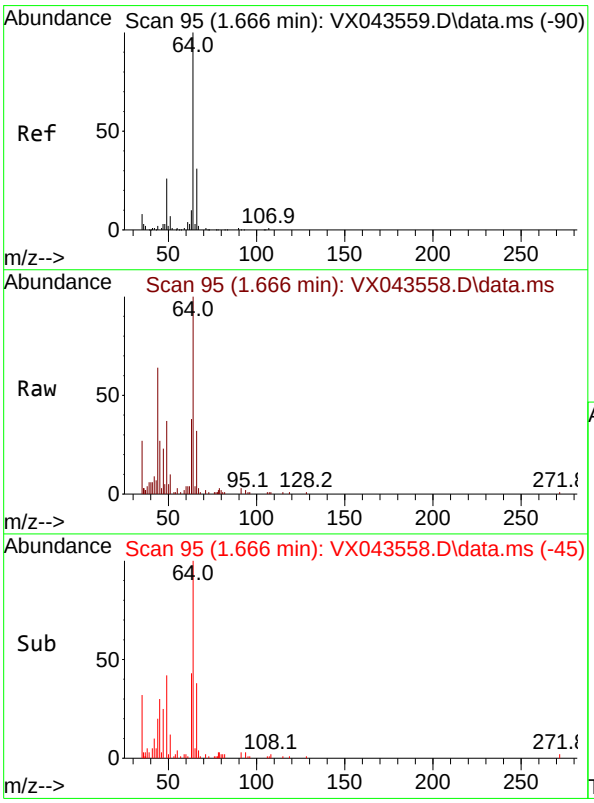
Ion	Ratio	Lower	Upper
94	100		
96	100.6	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

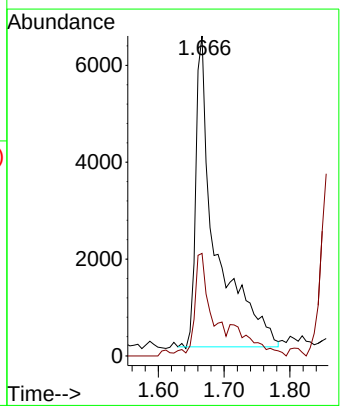
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

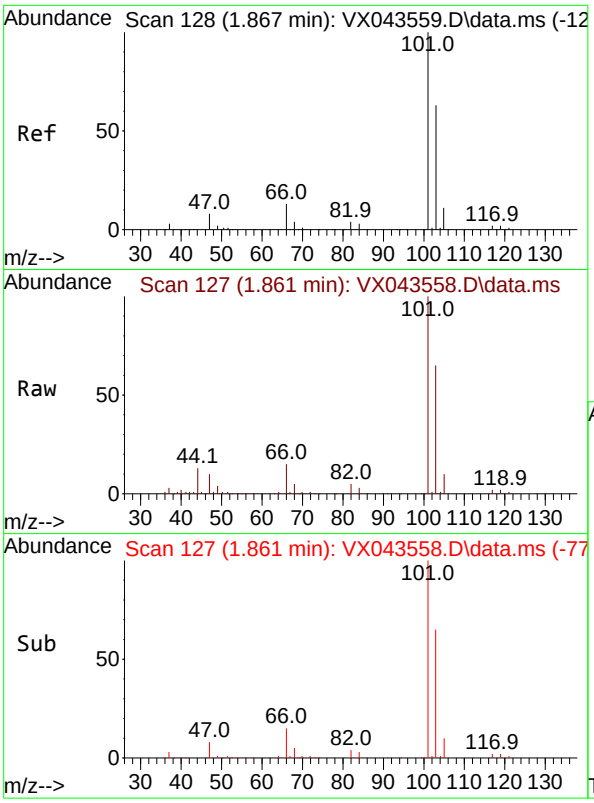


#6
Chloroethane
Concen: 19.988 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 64 Resp: 13552

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.1	37.7

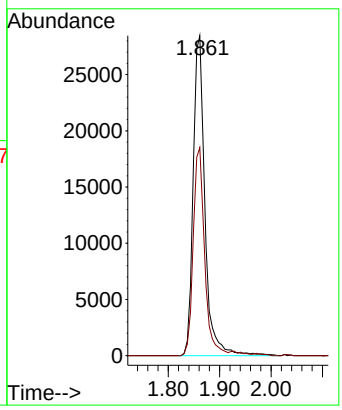




#7
Trichlorofluoromethane
Concen: 16.698 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:101 Resp: 4541

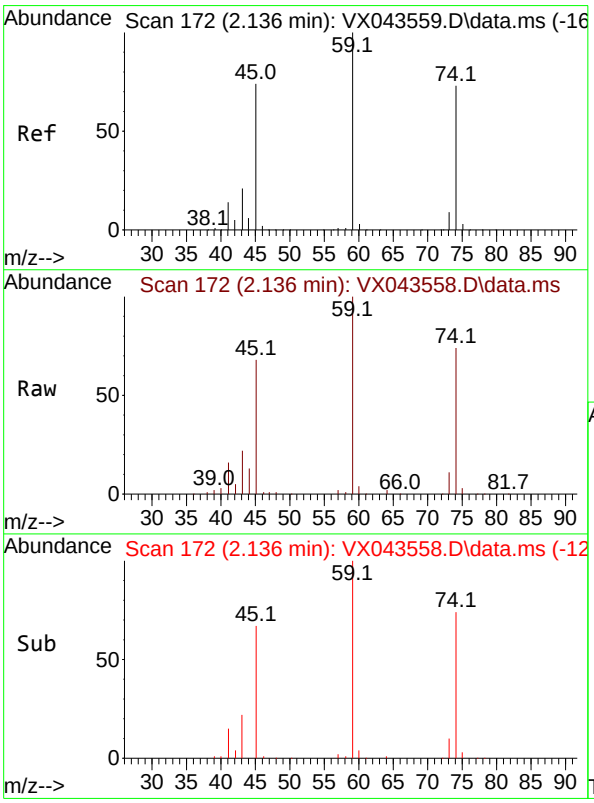
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

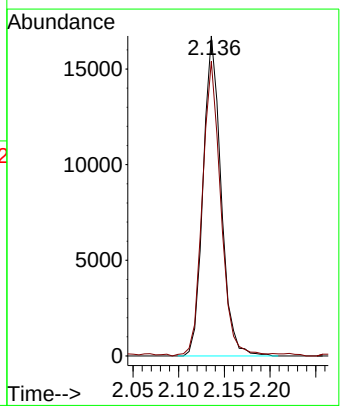
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

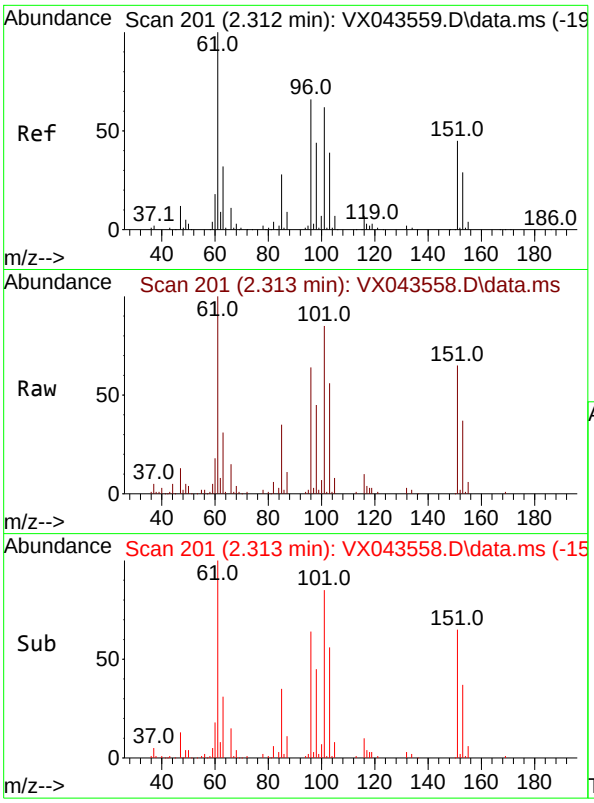


#8
Diethyl Ether
Concen: 19.128 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 74 Resp: 22721

Ion	Ratio	Lower	Upper
74	100		
45	94.9	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.458 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

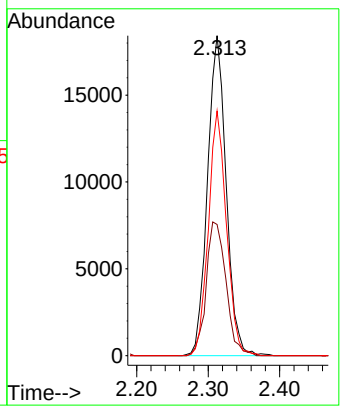
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

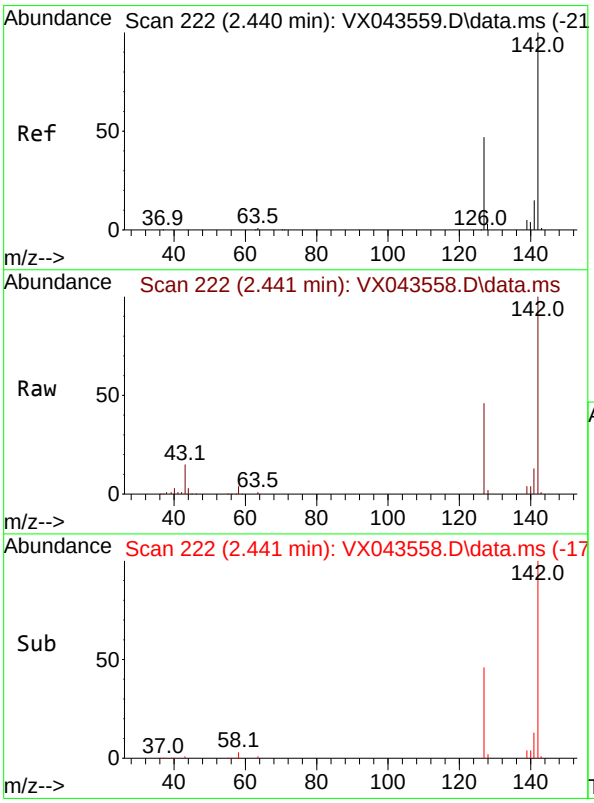
Tgt Ion:101 Resp: 3340

Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.5	51.7
151	74.1	58.2	87.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

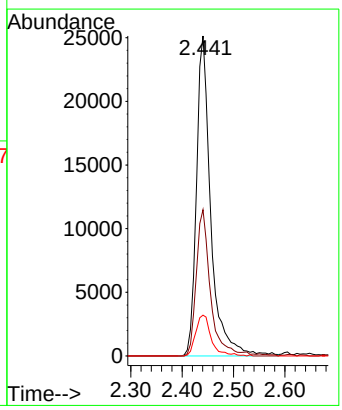


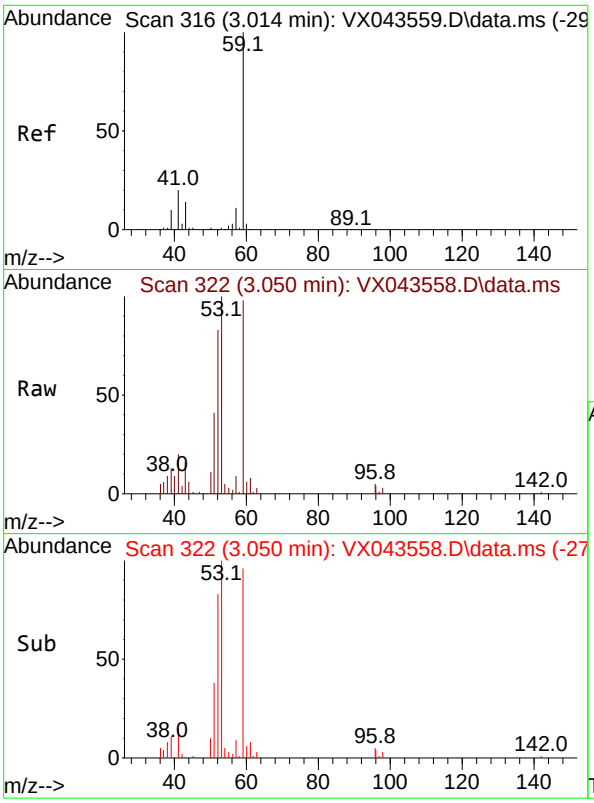


#10
Methyl Iodide
Concen: 20.510 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:142 Resp: 48753

Ion	Ratio	Lower	Upper
142	100		
127	45.7	38.2	57.4
141	13.8	11.5	17.3

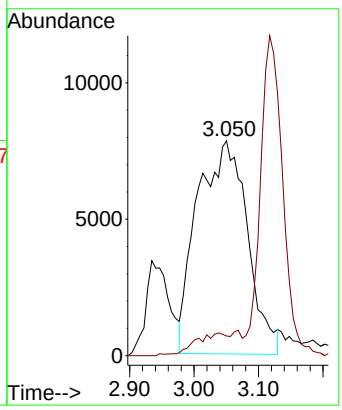




#11
Tert butyl alcohol
Concen: 77.502 ug/l m
RT: 3.050 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 59 Resp: 4200

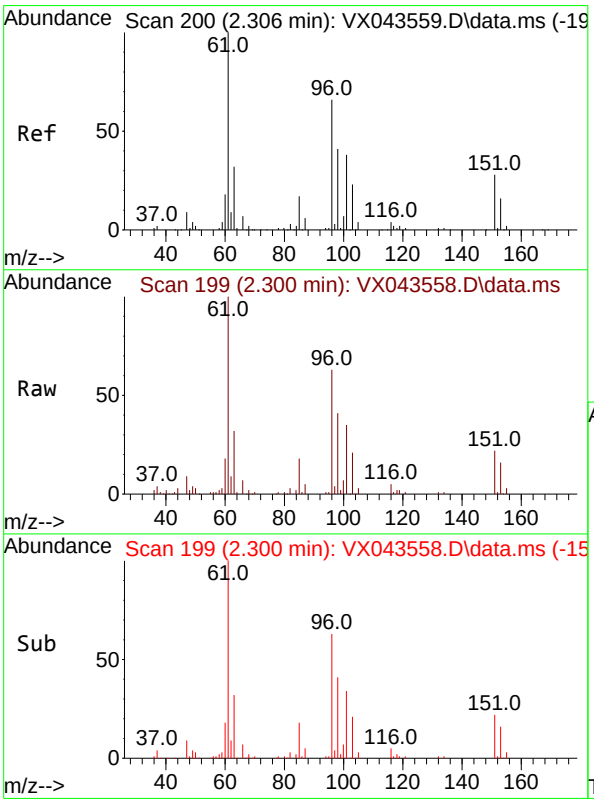
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

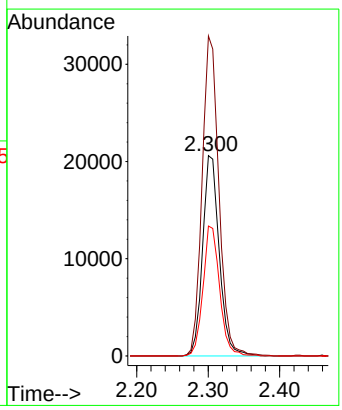
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

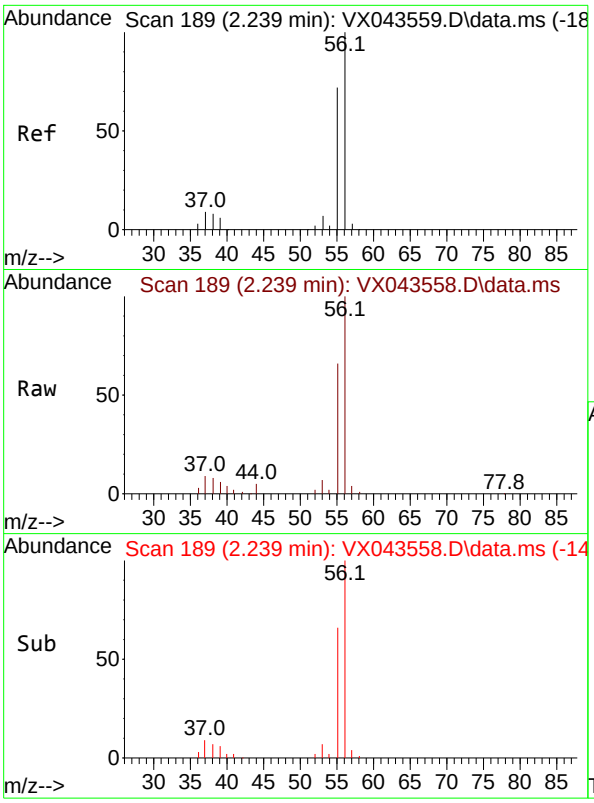


#12
1,1-Dichloroethene
Concen: 19.757 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 96 Resp: 33343

Ion	Ratio	Lower	Upper
96	100		
61	159.7	130.2	195.4
98	64.8	51.0	76.6





#13
Acrolein
Concen: 90.794 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

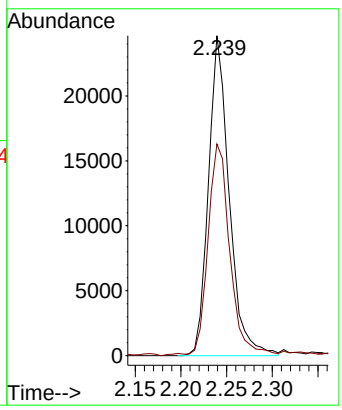
Tgt Ion: 56 Resp: 3877

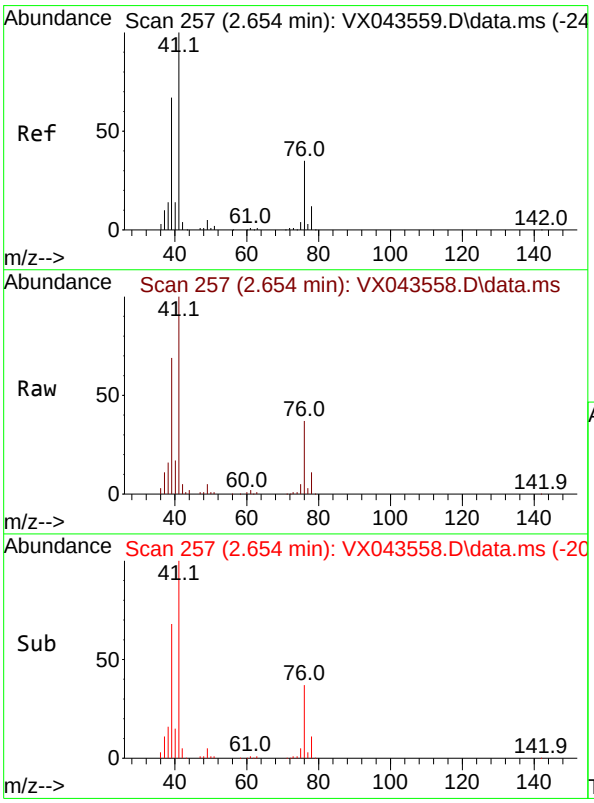
Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.3	82.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

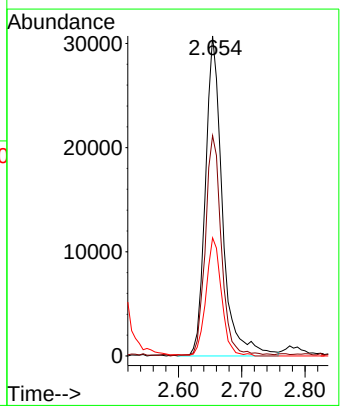


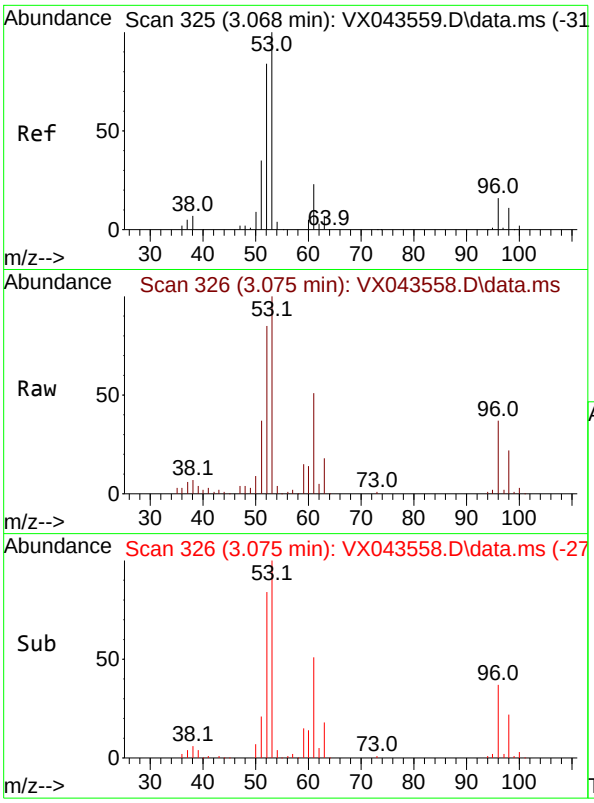


#14
Allyl chloride
Concen: 19.220 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 41 Resp: 57560

Ion	Ratio	Lower	Upper
41	100		
39	65.4	53.2	79.8
76	33.6	27.0	40.6





#15
Acrylonitrile
Concen: 88.256 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

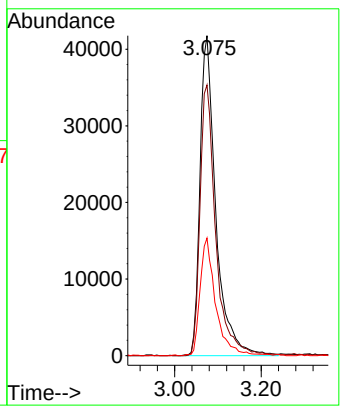
Tgt Ion: 53 Resp: 10595

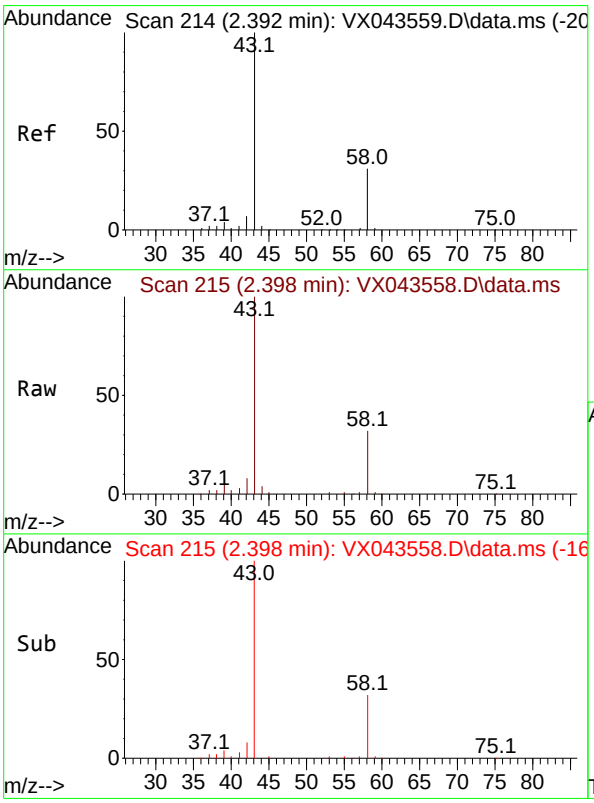
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.8	98.6
51	36.5	28.5	42.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

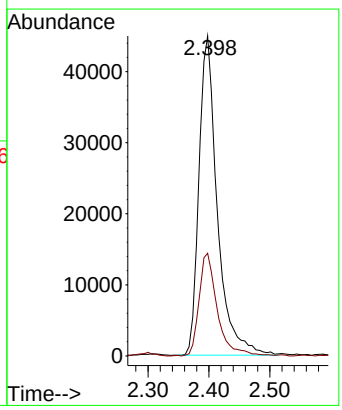


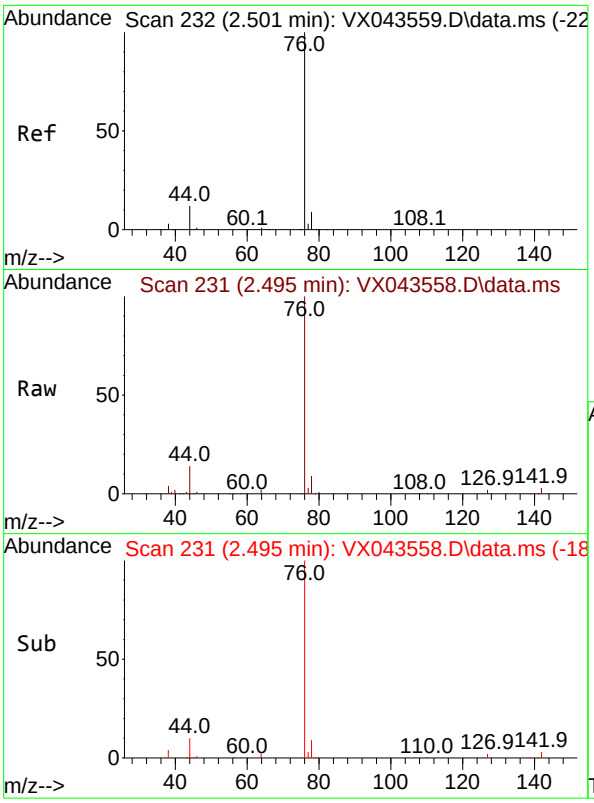


#16
Acetone
Concen: 86.771 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 93987

Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7





#17
Carbon Disulfide
Concen: 18.450 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

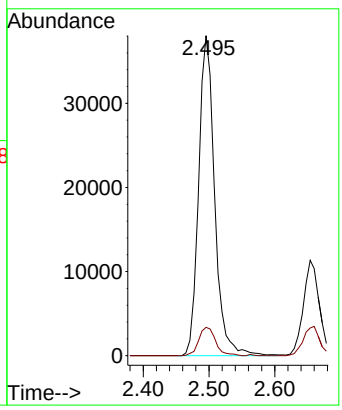
Tgt Ion: 76 Resp: 6445

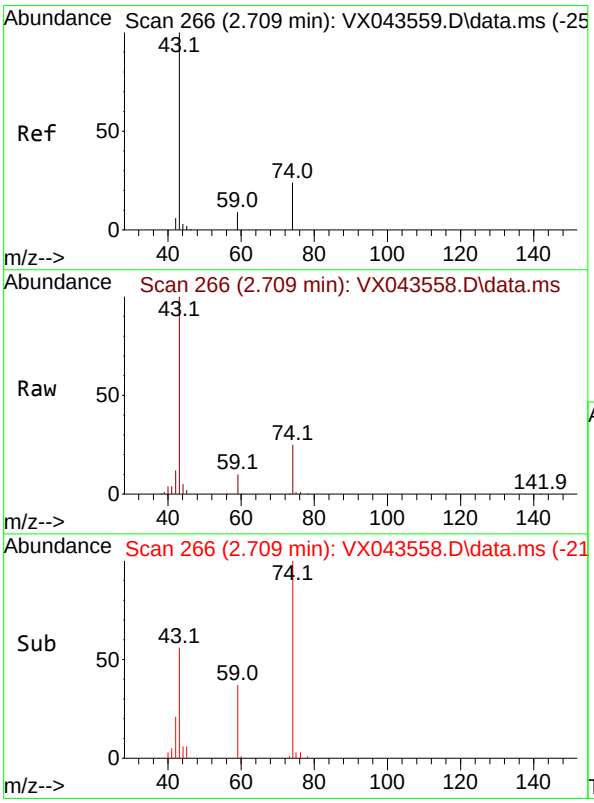
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

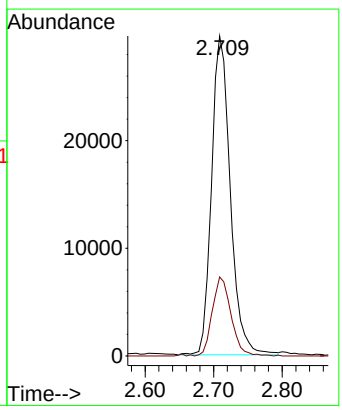


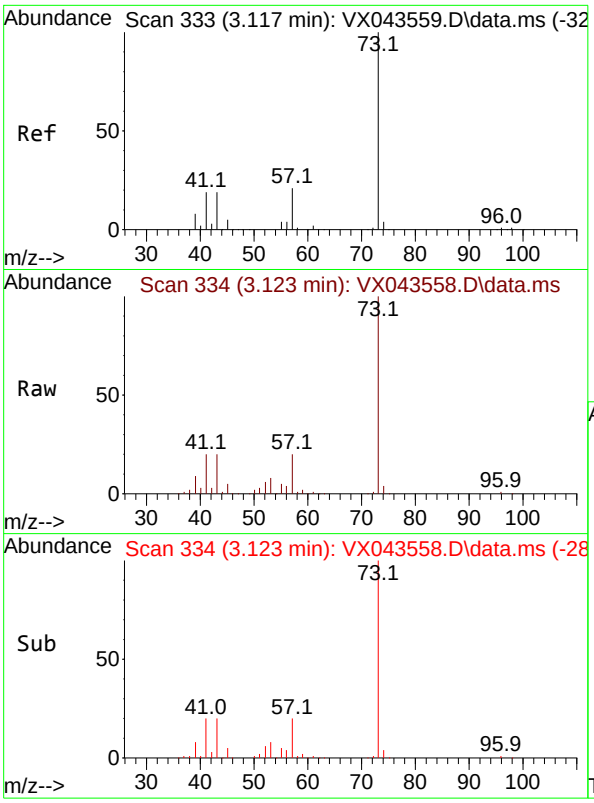


#18
Methyl Acetate
Concen: 17.301 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 56319

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.1	28.7

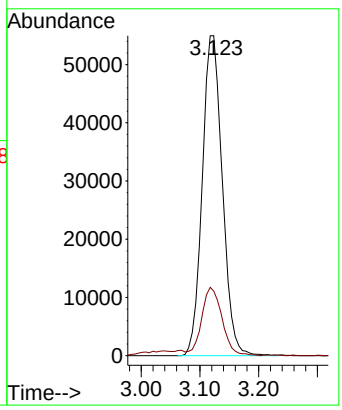




#19
Methyl tert-butyl Ether
Concen: 19.863 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 73 Resp: 13043

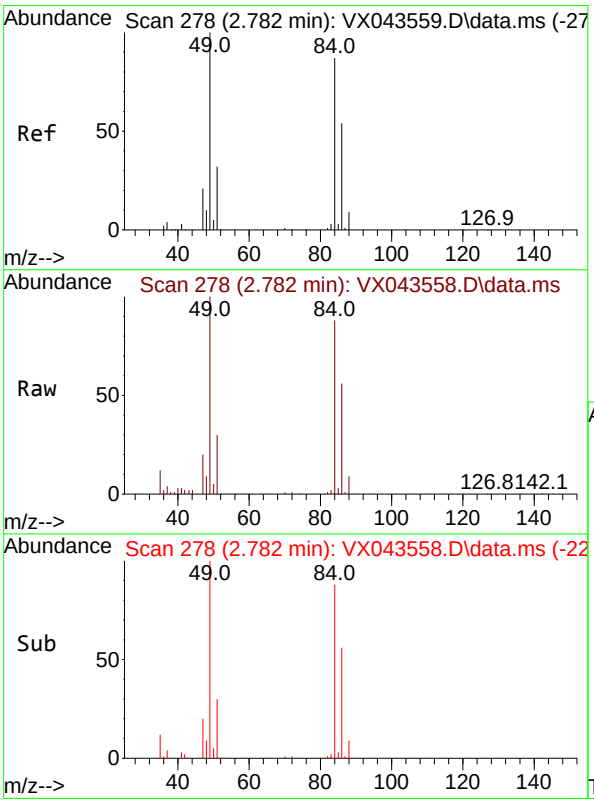
Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

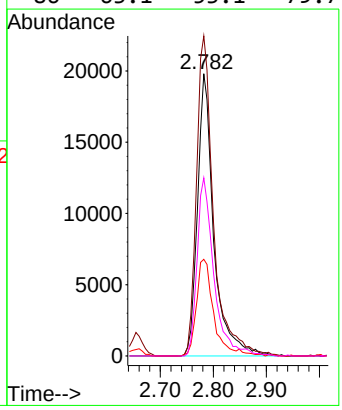
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

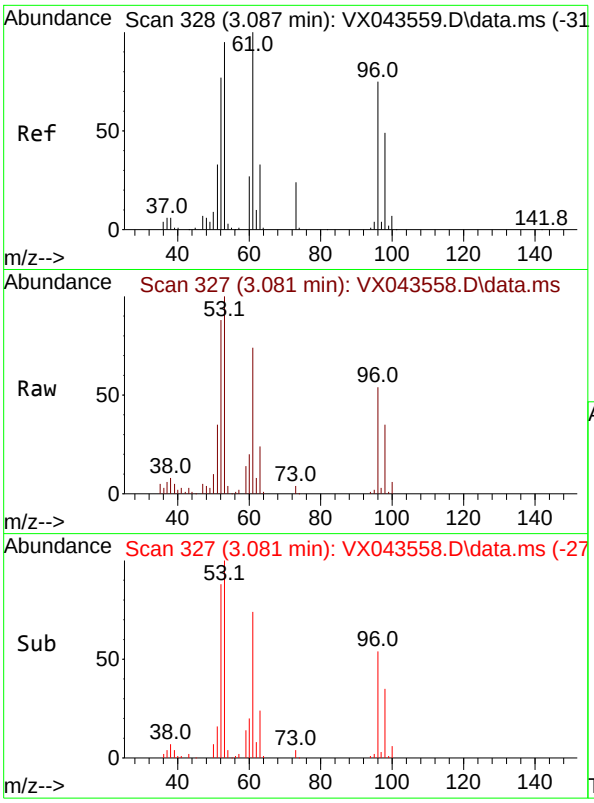


#20
Methylene Chloride
Concen: 20.027 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 84 Resp: 42392

Ion	Ratio	Lower	Upper
84	100		
49	113.4	97.0	145.6
51	34.2	29.8	44.8
86	63.1	53.1	79.7

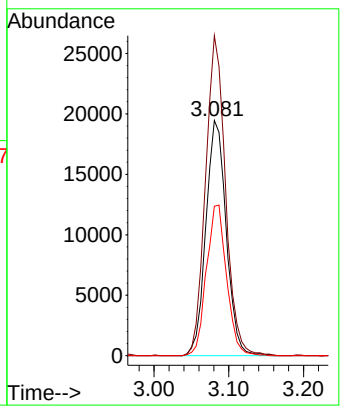




#21
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 96 Resp: 3692

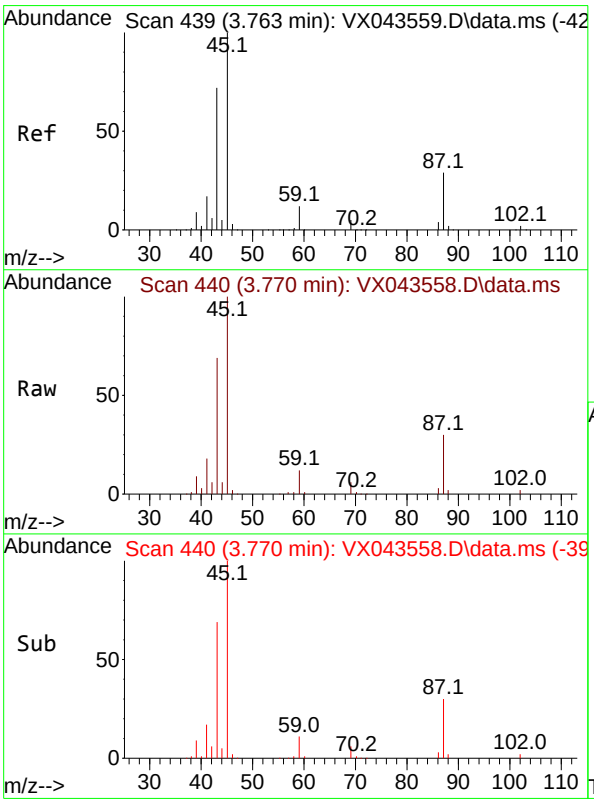
Ion	Ratio	Lower	Upper
96	100		
61	136.1	107.1	160.7
98	63.6	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

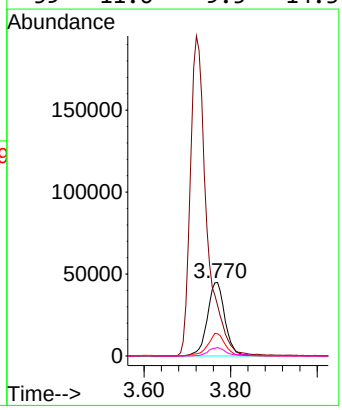
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

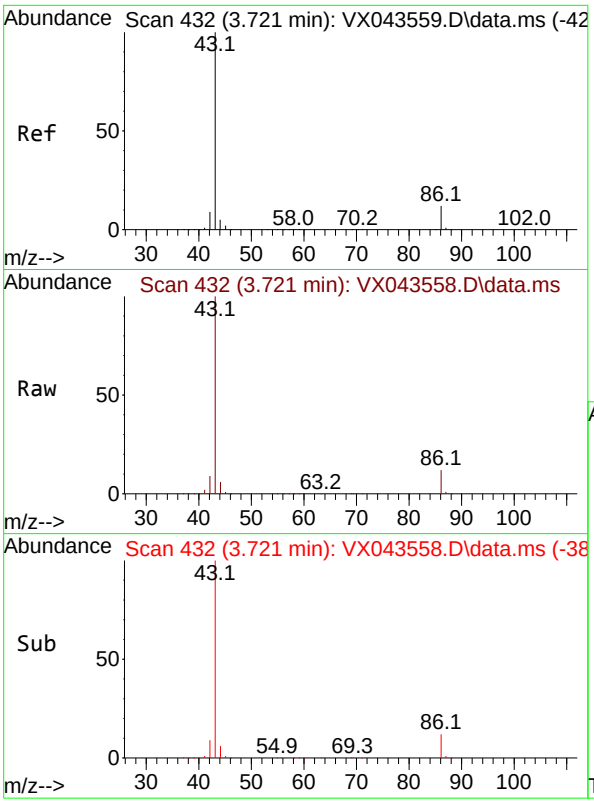


#22
Diisopropyl ether
Concen: 20.521 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 45 Resp: 126839

Ion	Ratio	Lower	Upper
45	100		
43	68.2	60.6	90.8
87	30.2	22.0	33.0
59	11.6	9.5	14.3





#23
Vinyl Acetate
Concen: 100.709 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

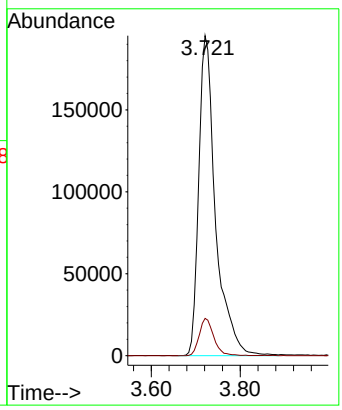
Tgt Ion: 43 Resp: 51424

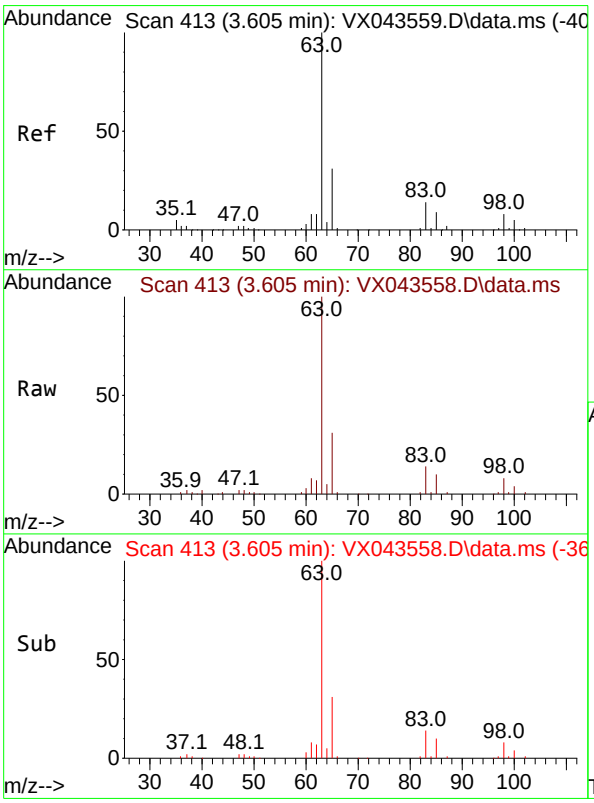
Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

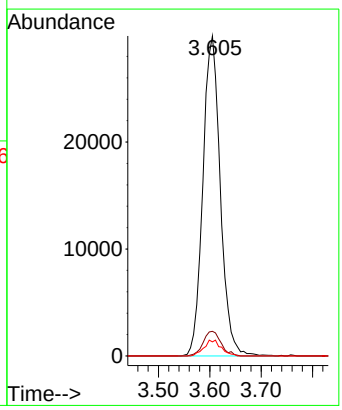


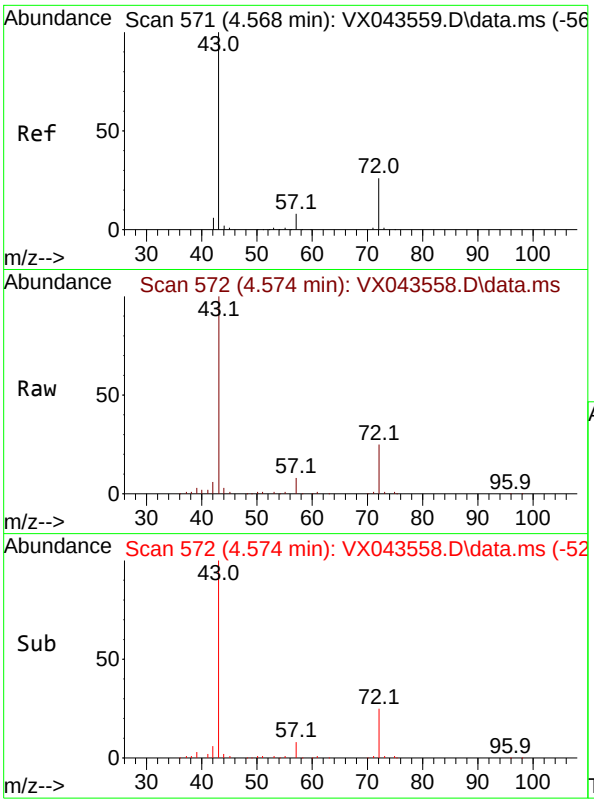


#24
1,1-Dichloroethane
Concen: 20.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 63 Resp: 70569

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.4
100	4.4	2.4	7.2





#25
2-Butanone
Concen: 88.817 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

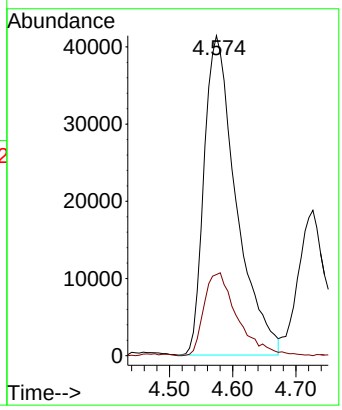
Tgt Ion: 43 Resp: 14611

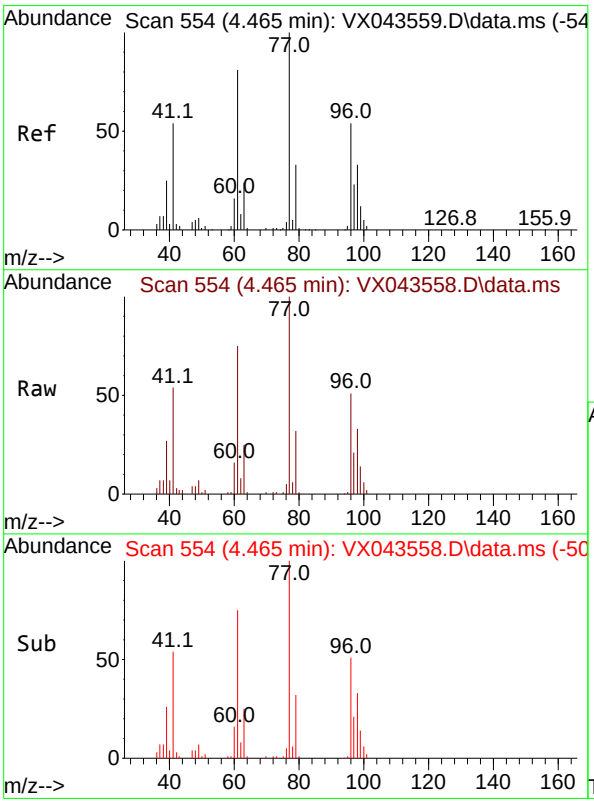
Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.1	31.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

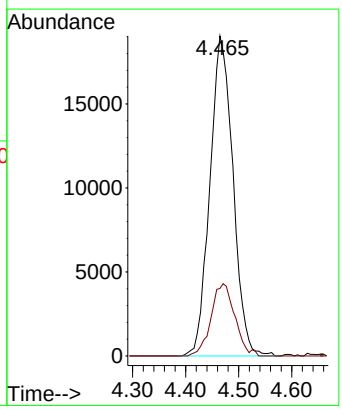


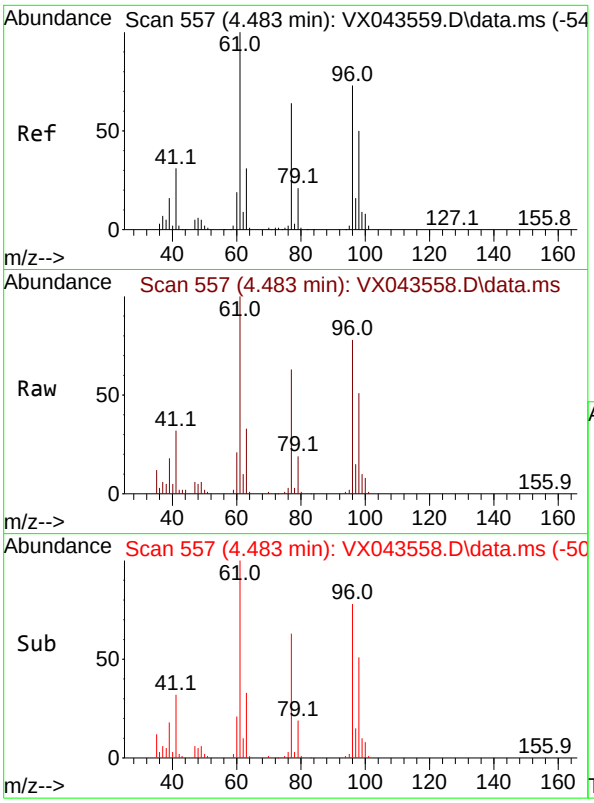


#26
2,2-Dichloropropane
Concen: 22.931 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 77 Resp: 57622

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8

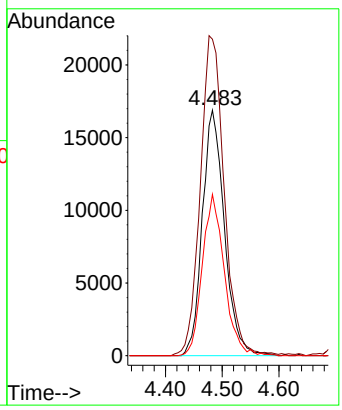




#27
cis-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 96 Resp: 4579

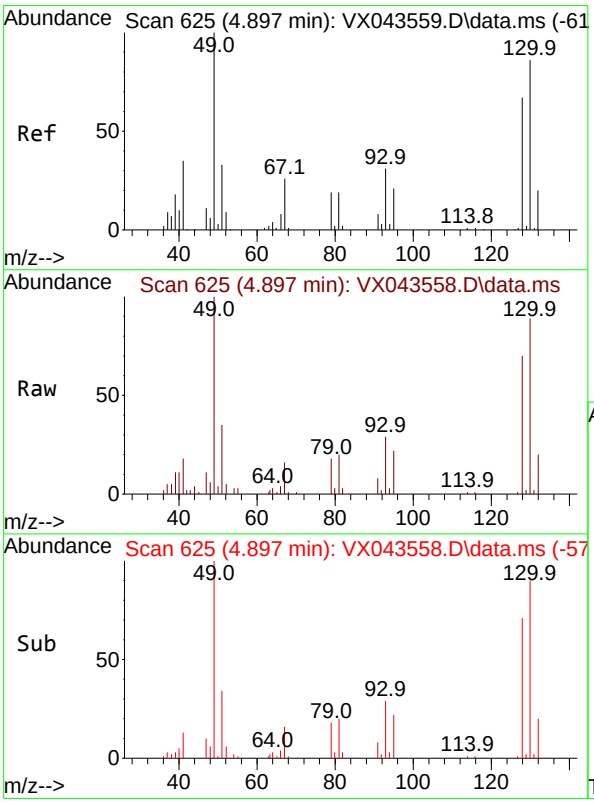
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	277.2
98	65.4	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

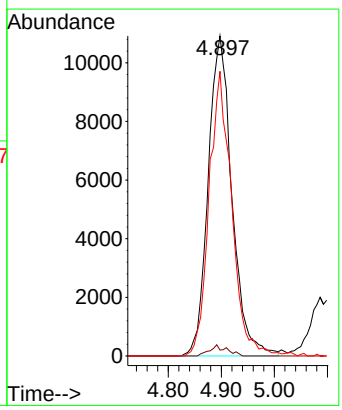
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

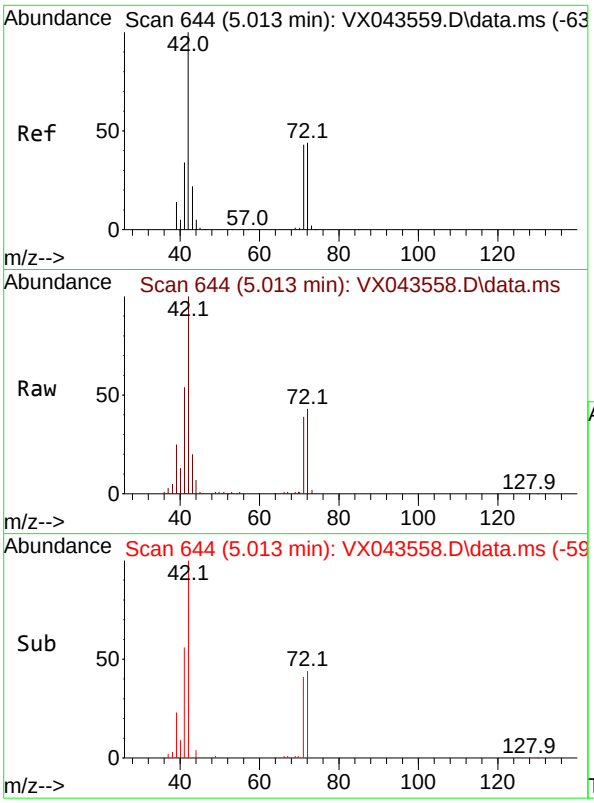


#28
Bromochloromethane
Concen: 19.701 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 49 Resp: 33980

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	84.5	67.8	101.8

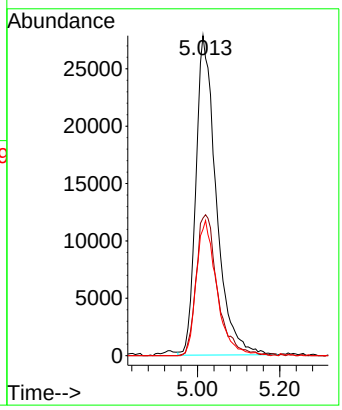




#29
Tetrahydrofuran
Concen: 88.955 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 42 Resp: 9555

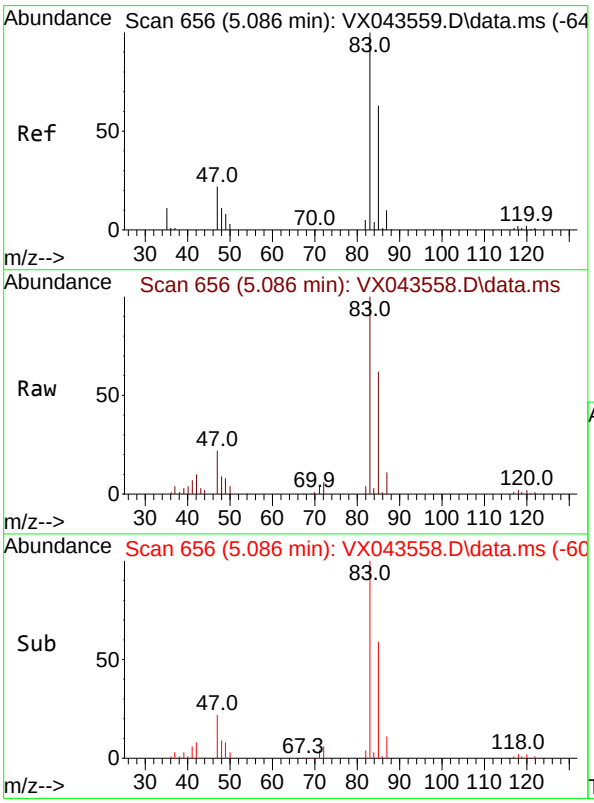
Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	55.0
71	42.8	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

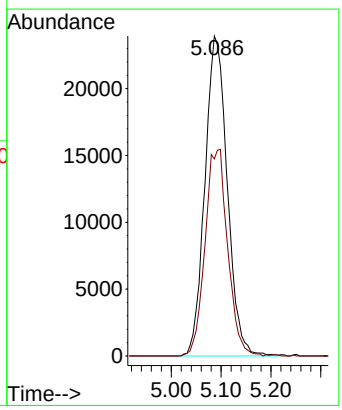
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

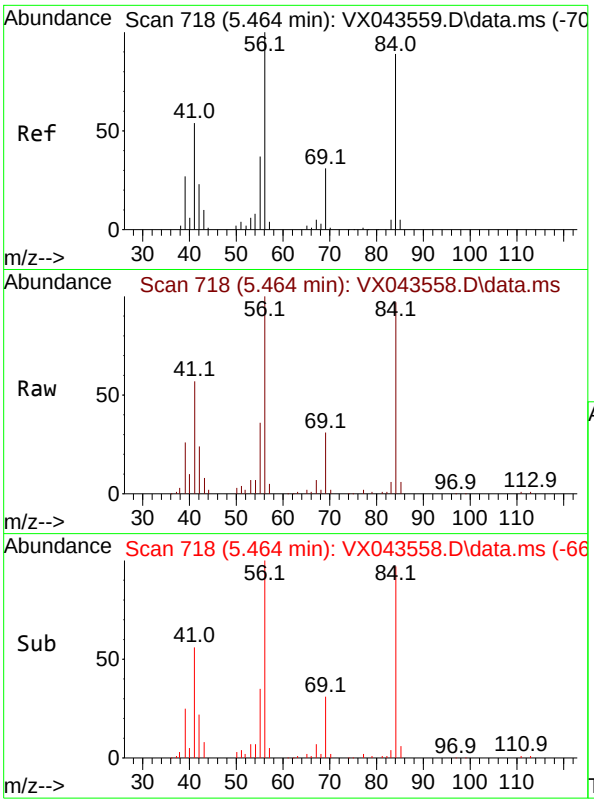


#30
Chloroform
Concen: 19.996 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 83 Resp: 74554

Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.2	78.4

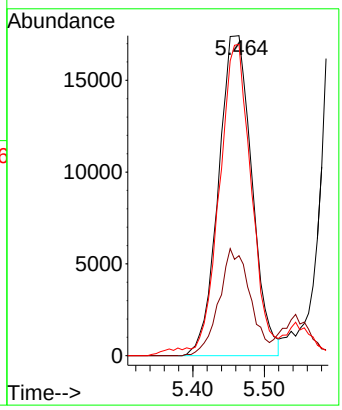




#31
Cyclohexane
Concen: 20.469 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 56 Resp: 5662

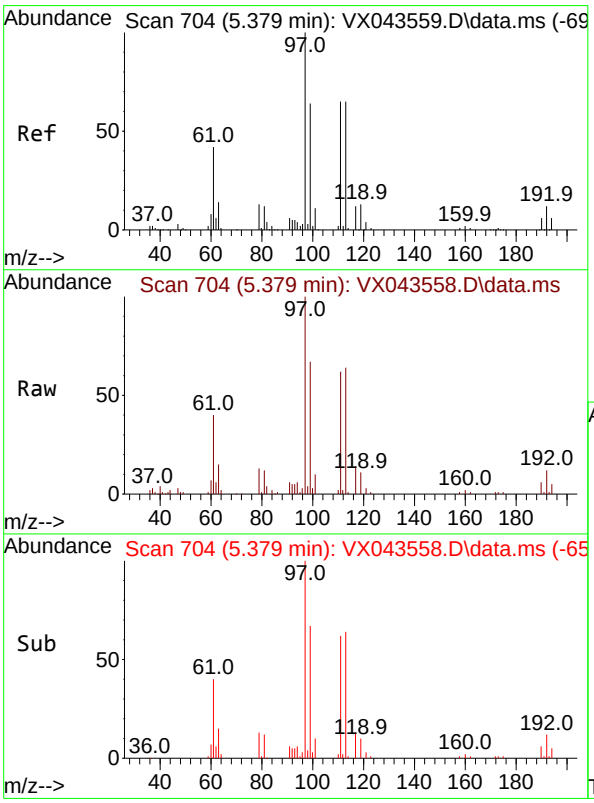
Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.9	37.3
84	94.9	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

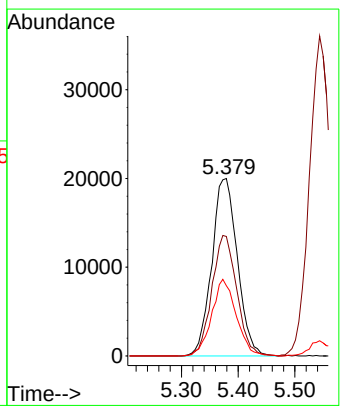
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

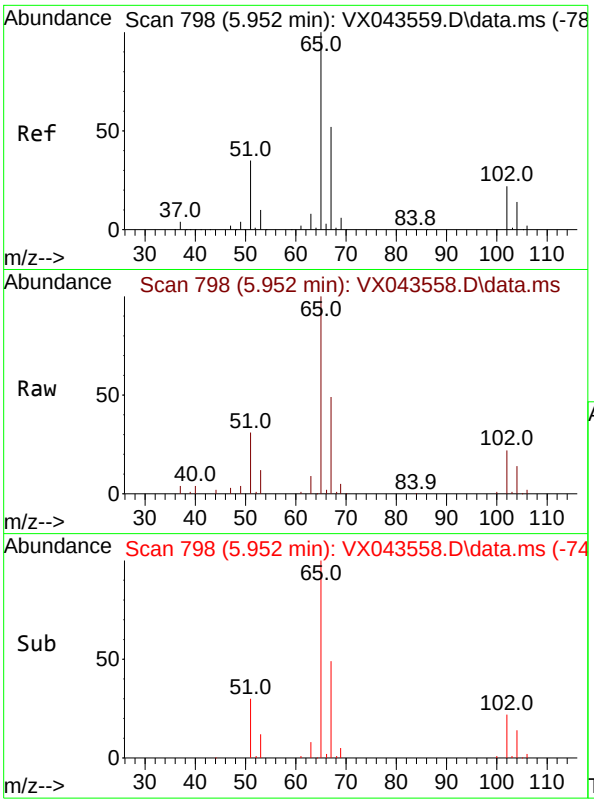


#32
1,1,1-Trichloroethane
Concen: 19.966 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 97 Resp: 62556

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	41.6	34.0	51.0

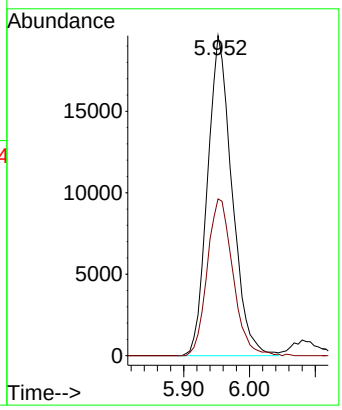




#33
1,2-Dichloroethane-d4
Concen: 20.026 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 65 Resp: 5081

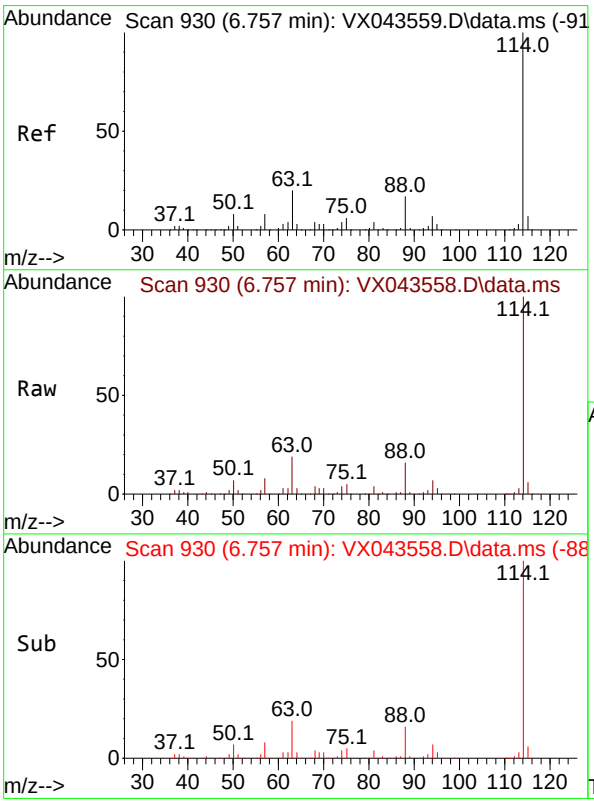
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

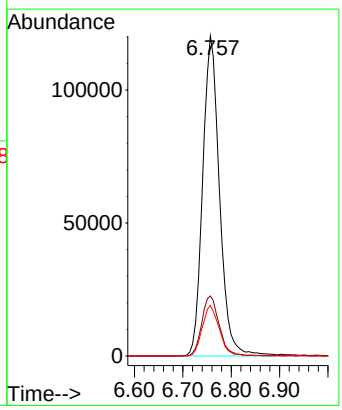
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

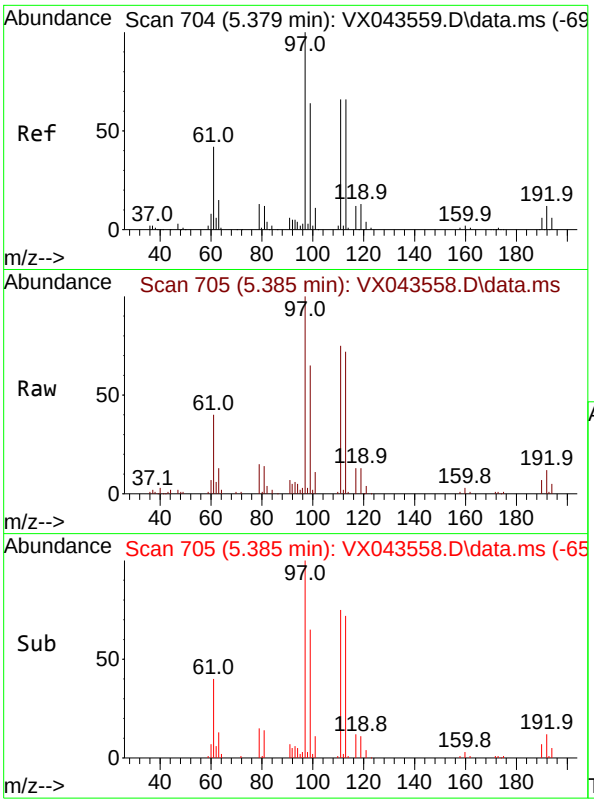


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:114 Resp: 291315

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	41.2
88	15.7	0.0	34.0

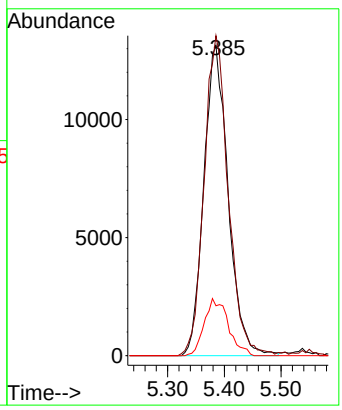




#35
Dibromofluoromethane
Concen: 20.228 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:113 Resp: 3923

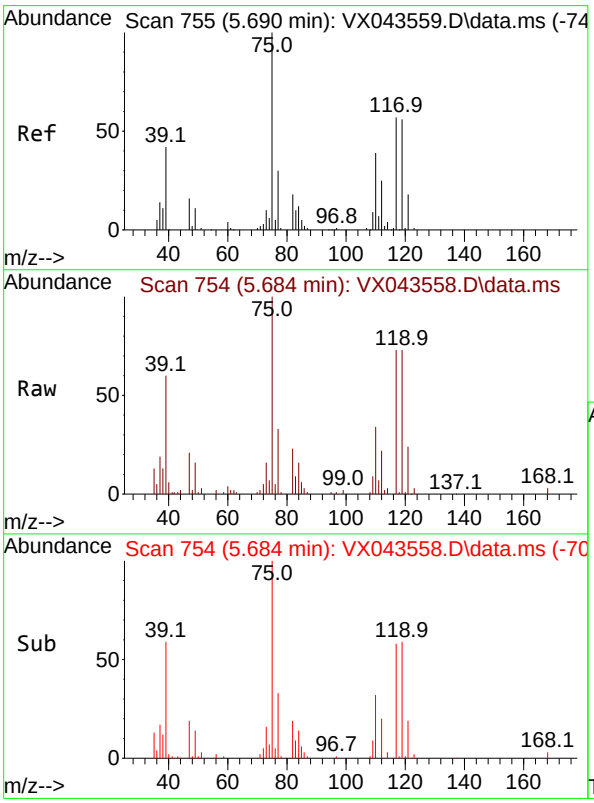
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	18.1	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

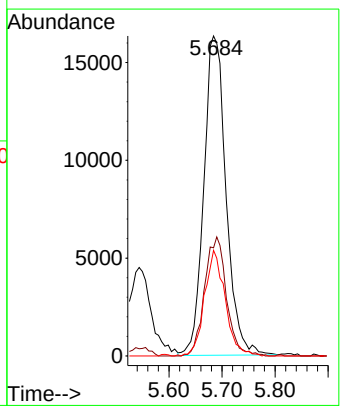
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

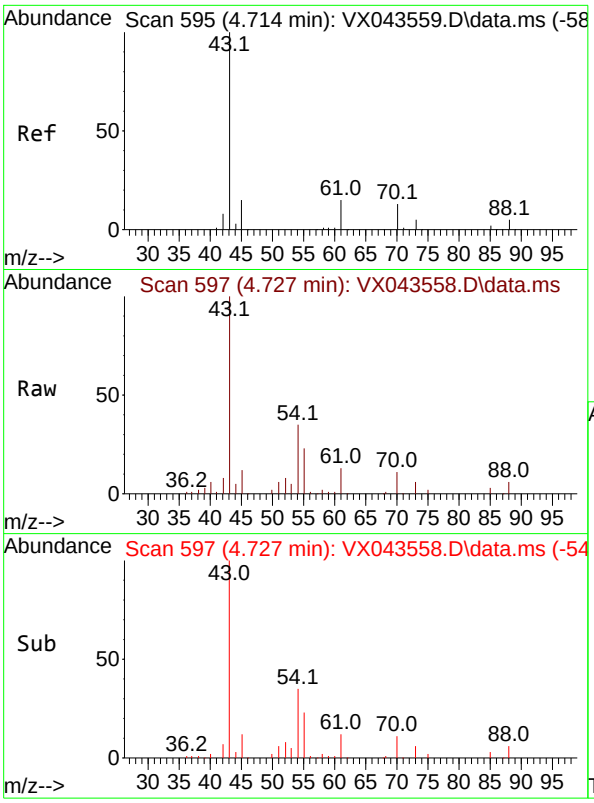


#36
1,1-Dichloropropene
Concen: 20.699 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 47520

Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.7
77	30.9	25.0	37.4

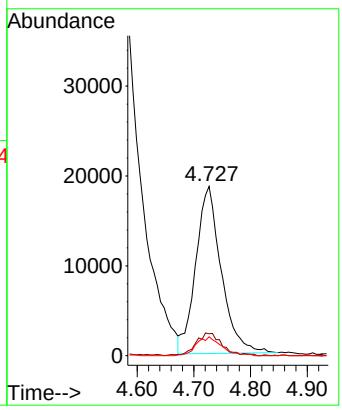




#37
Ethyl Acetate
Concen: 18.528 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 5805

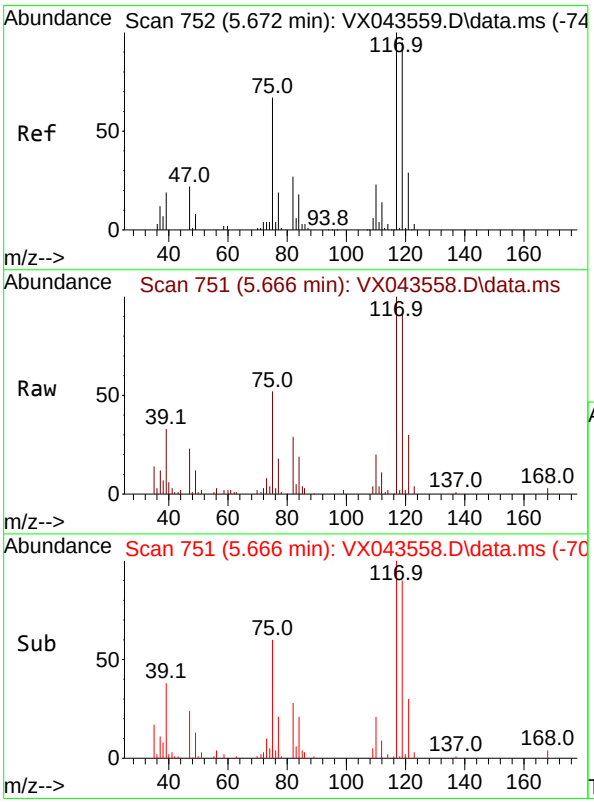
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	11.1	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

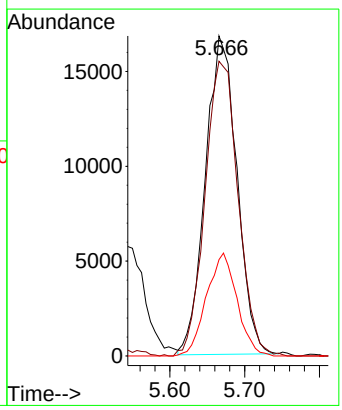
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

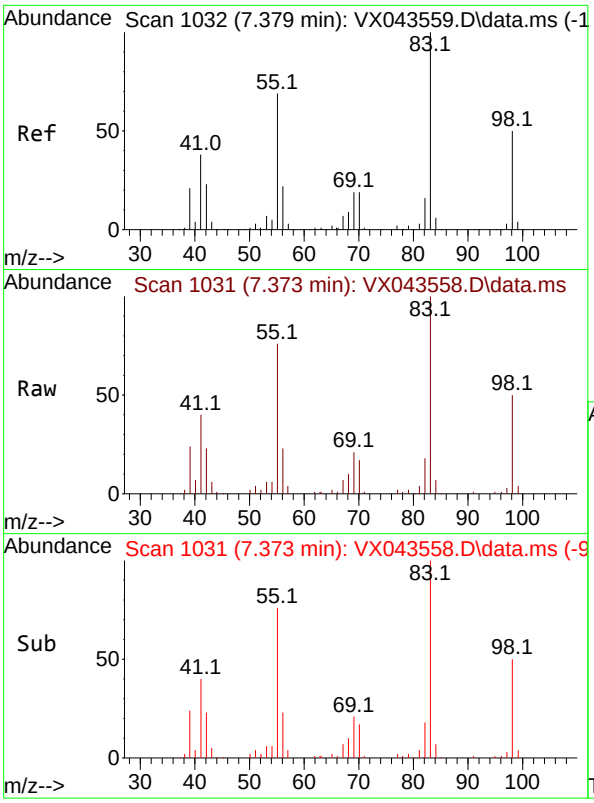


#38
Carbon Tetrachloride
Concen: 18.891 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:117 Resp: 49282

Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.0	115.6
121	30.3	24.7	37.1

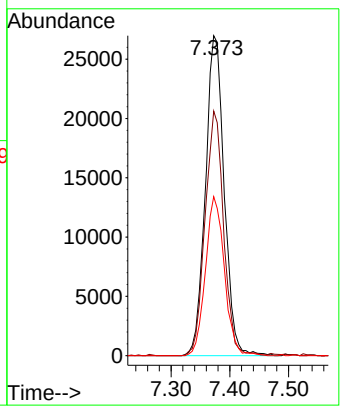




#39
Methylcyclohexane
Concen: 20.379 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 83 Resp: 5999

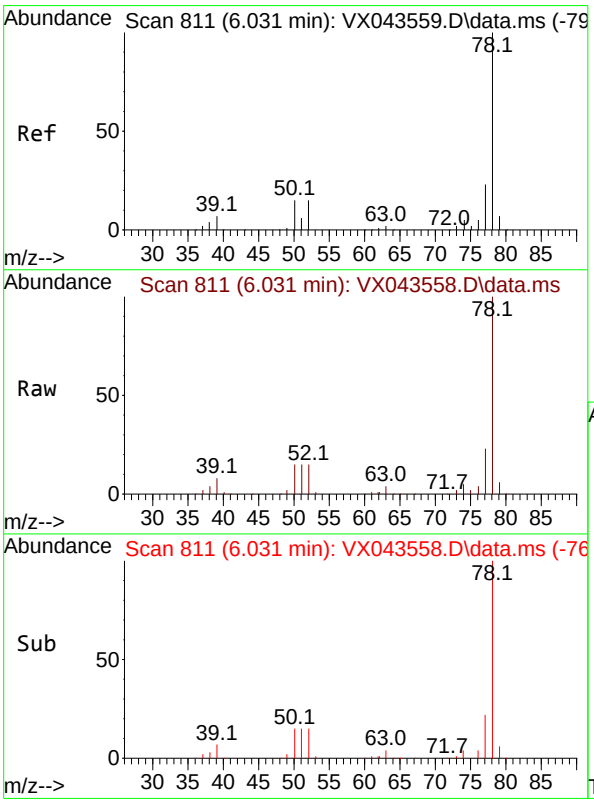
Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.9	89.9
98	49.7	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

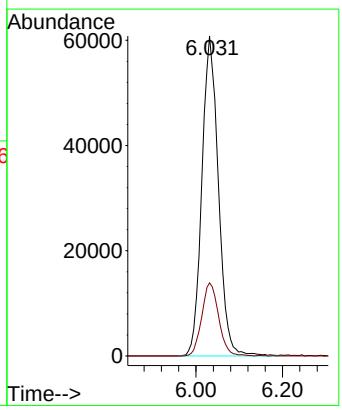
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

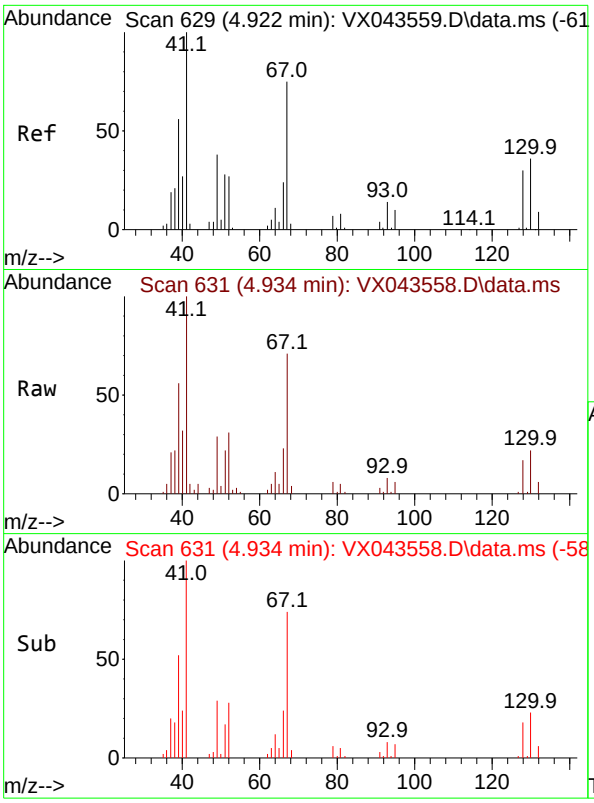


#40
Benzene
Concen: 20.995 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 78 Resp: 161123

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6

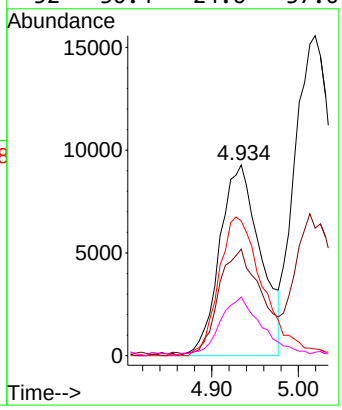




#41
Methacrylonitrile
Concen: 19.241 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 41 Resp: 3032

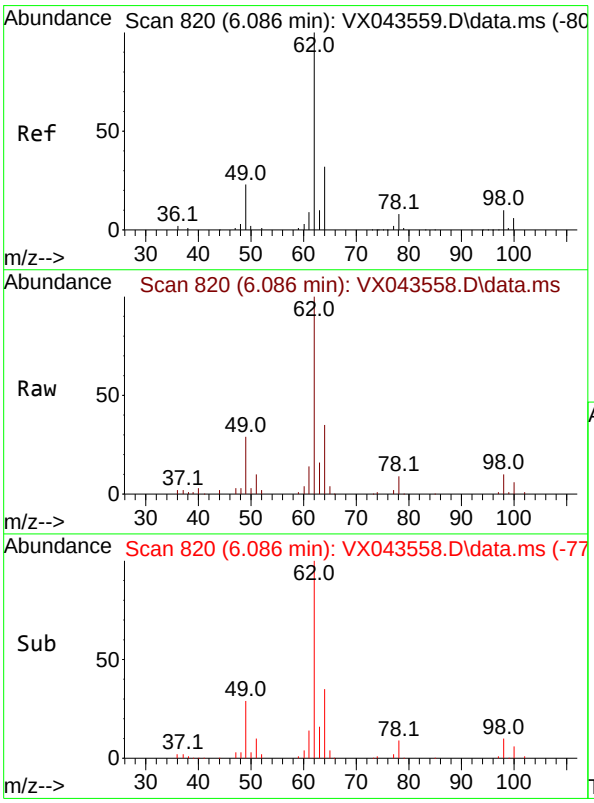
Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.5	65.3
67	79.8	58.3	87.5
52	30.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

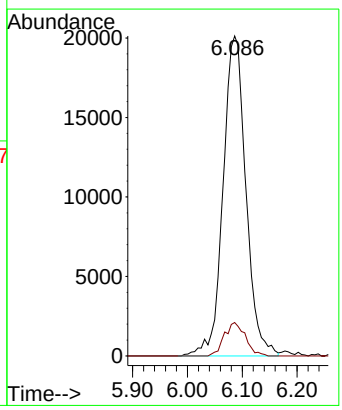
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

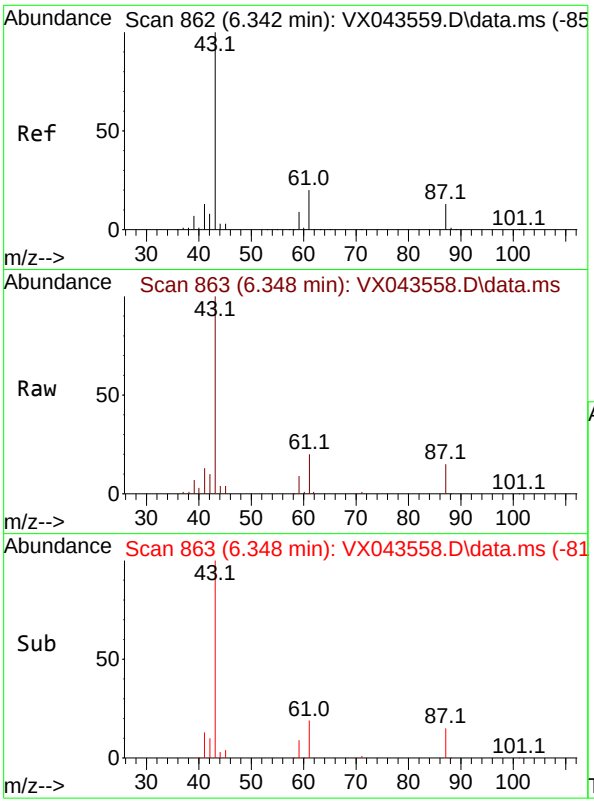


#42
1,2-Dichloroethane
Concen: 20.645 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 62 Resp: 58281

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8

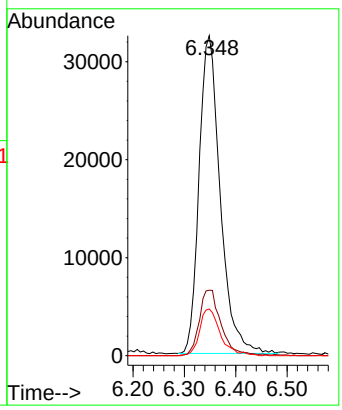




#43
Isopropyl Acetate
Concen: 18.698 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 9267

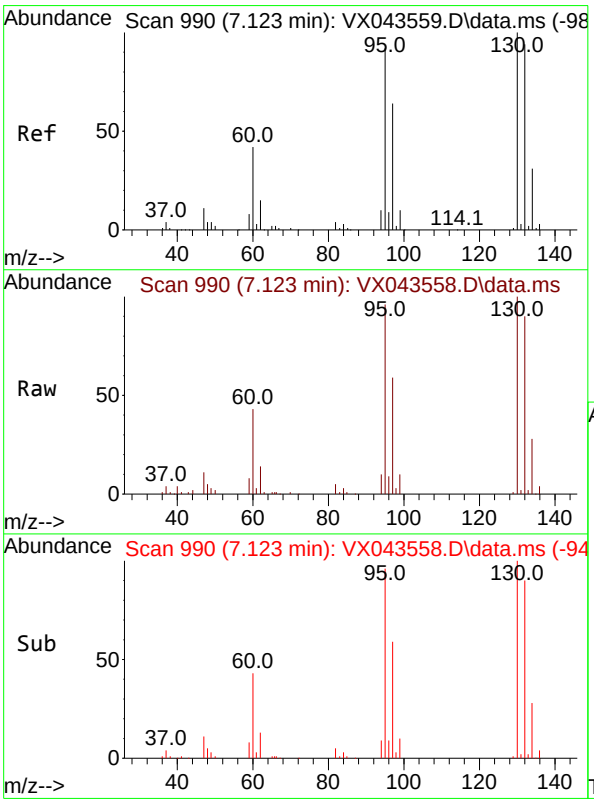
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.2	24.4
87	14.4	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

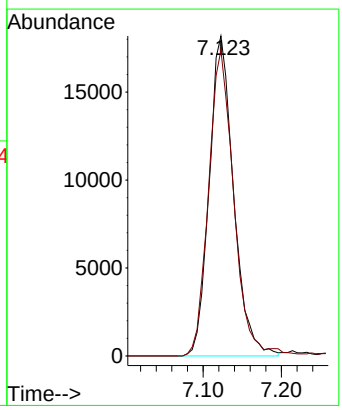
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

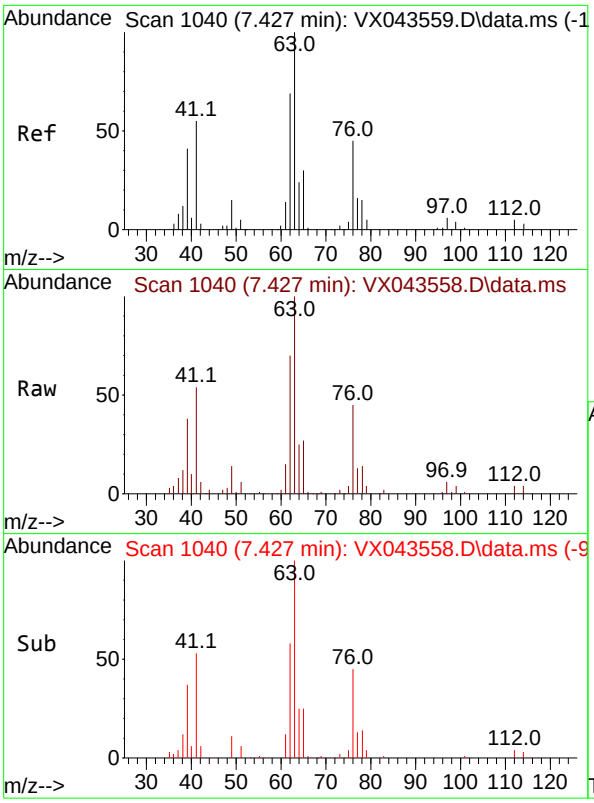


#44
Trichloroethene
Concen: 21.623 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:130 Resp: 39344

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	202.6





#45
1,2-Dichloropropane
Concen: 20.200 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

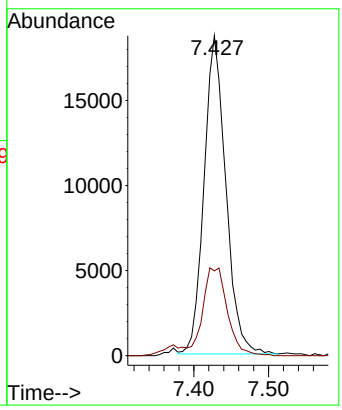
Tgt Ion: 63 Resp: 3785

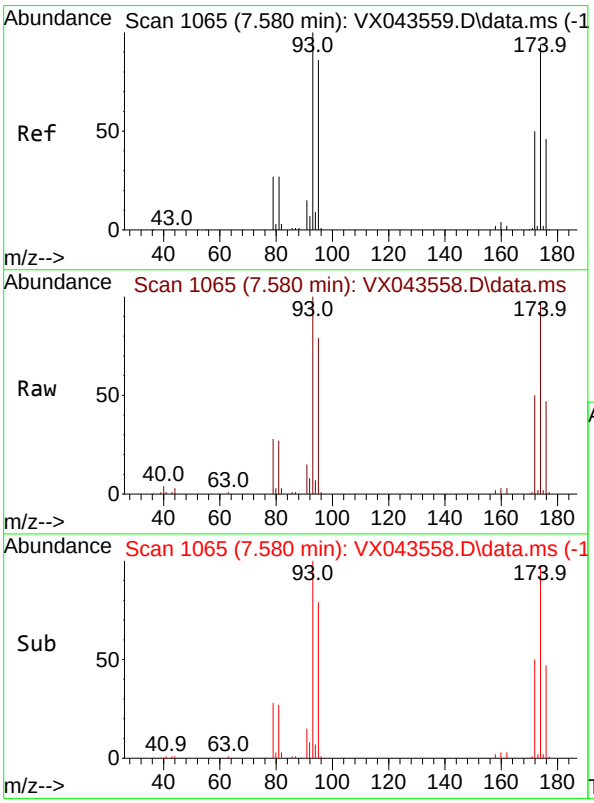
Ion	Ratio	Lower	Upper
63	100		
65	26.7	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

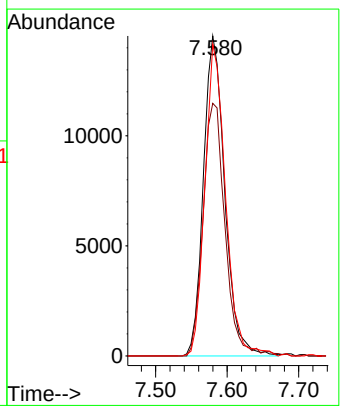


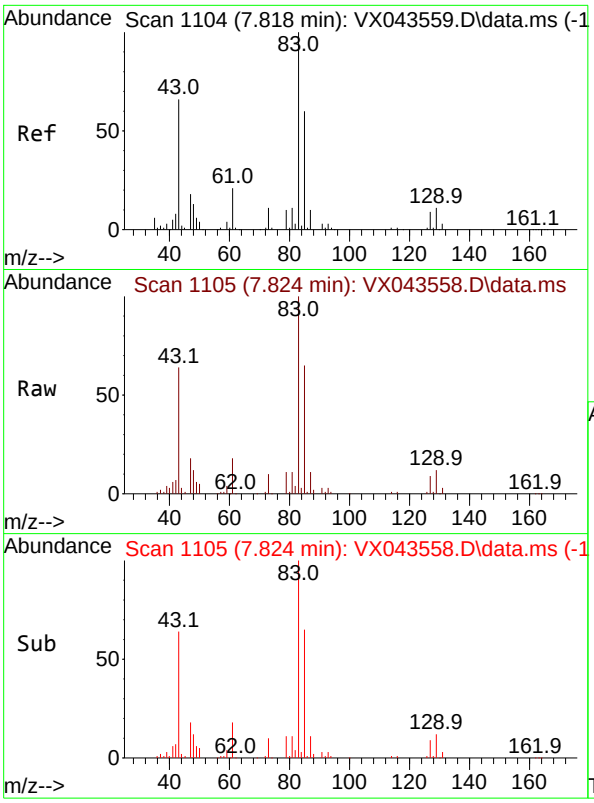


#46
Dibromomethane
Concen: 20.905 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 93 Resp: 30097

Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.4	99.6
174	94.3	75.0	112.4

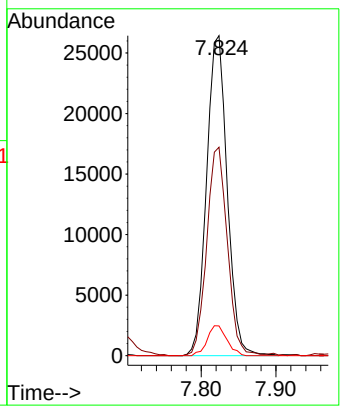




#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 83 Resp: 5069

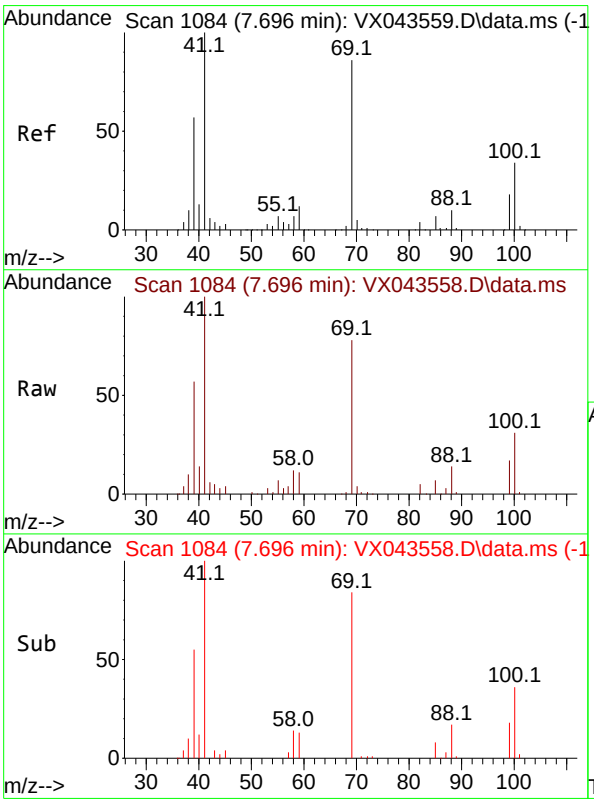
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4
127	9.3	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

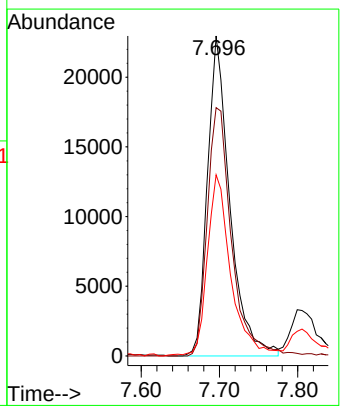
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

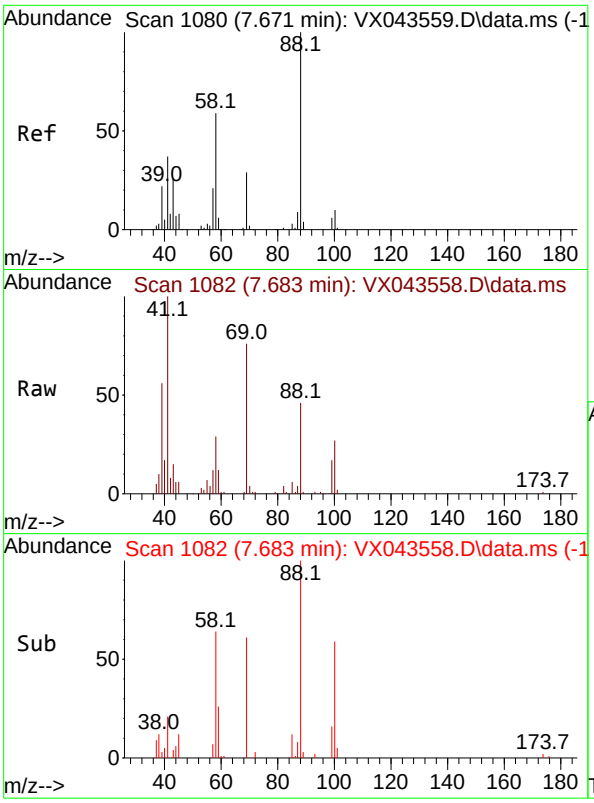


#48
Methyl methacrylate
Concen: 19.703 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 41 Resp: 45592

Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.7	101.5
39	59.4	46.3	69.5

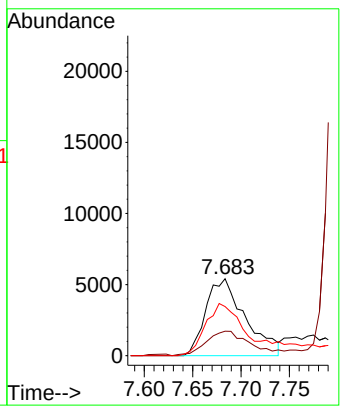




#49
1,4-Dioxane
Concen: 258.381 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 88 Resp: 1536

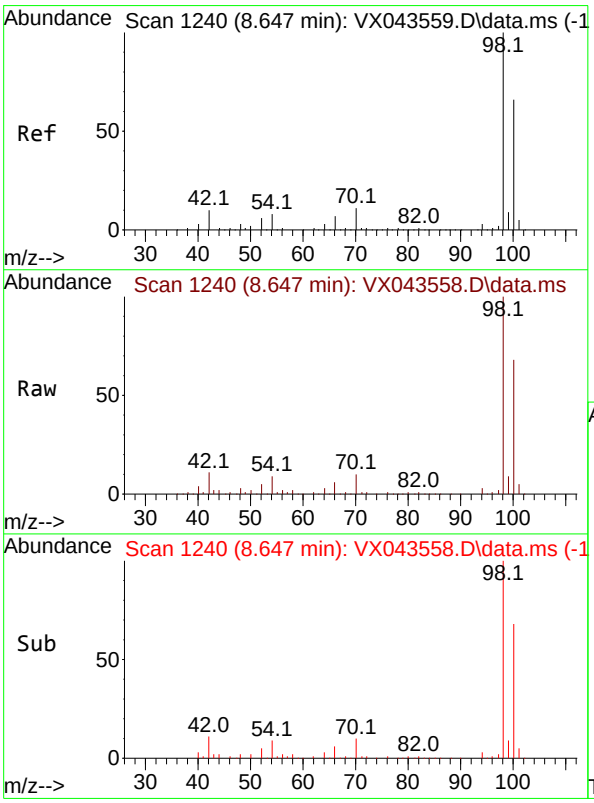
Ion	Ratio	Lower	Upper
88	100		
43	35.8	25.3	37.9
58	93.5	53.9	80.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

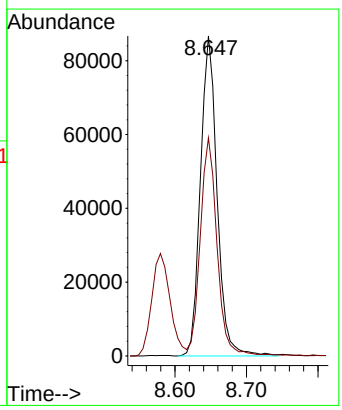
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

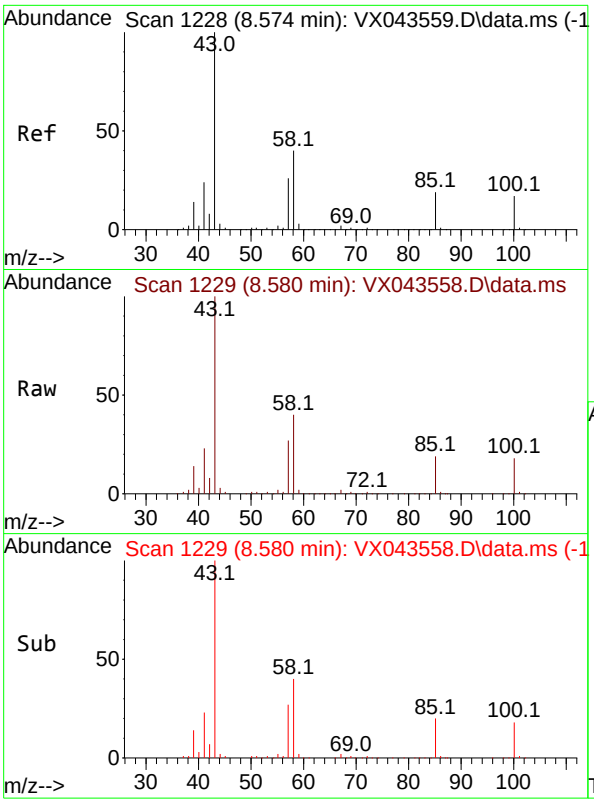


#50
Toluene-d8
Concen: 20.900 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 98 Resp: 140572

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.2

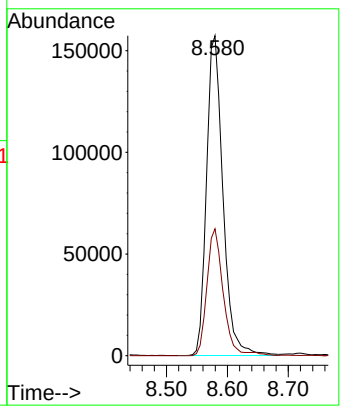




#51
4-Methyl-2-Pentanone
Concen: 93.974 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 29512

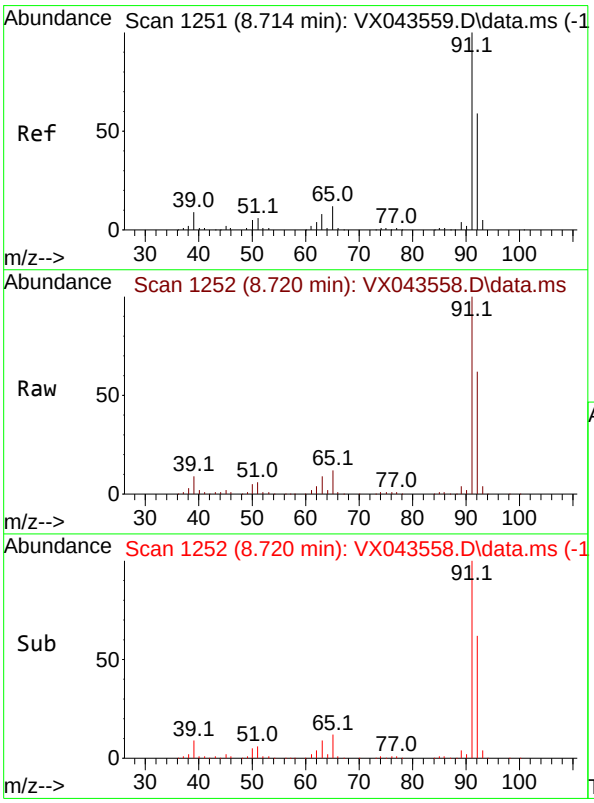
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

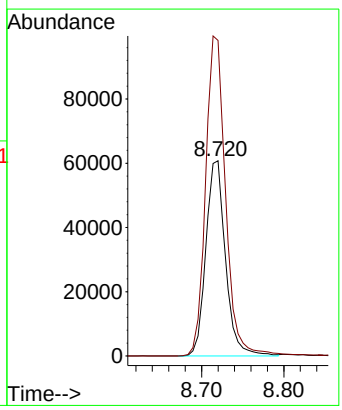
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

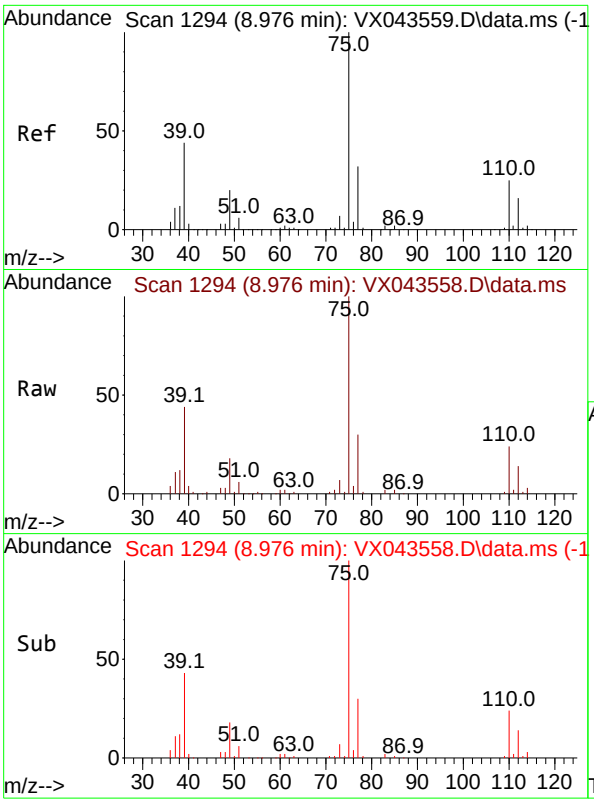


#52
Toluene
Concen: 21.337 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 92 Resp: 100958

Ion	Ratio	Lower	Upper
92	100		
91	167.3	135.7	203.5

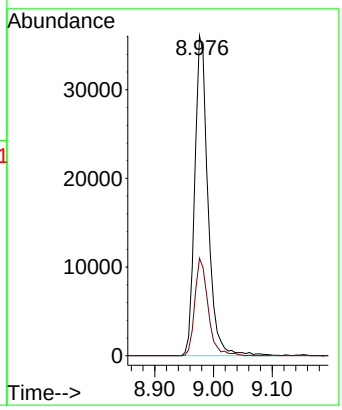




#53
t-1,3-Dichloropropene
Concen: 21.853 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 5648

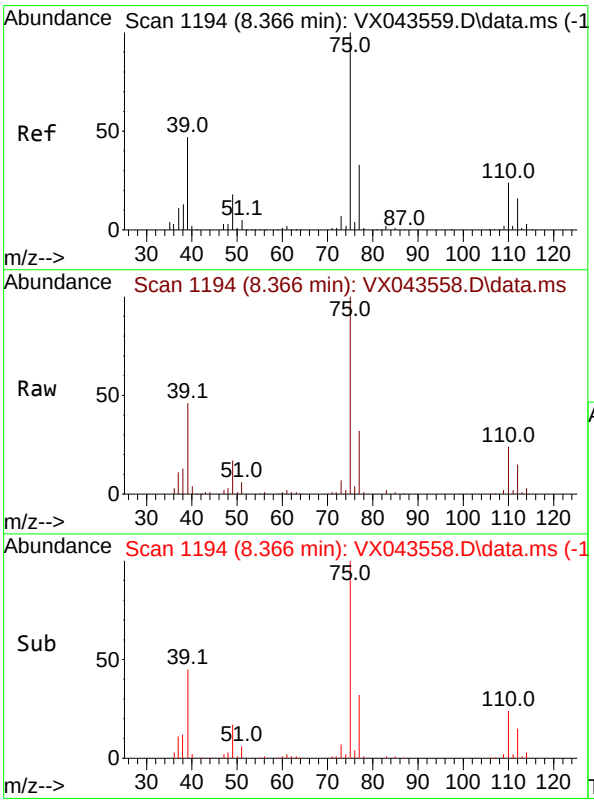
Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

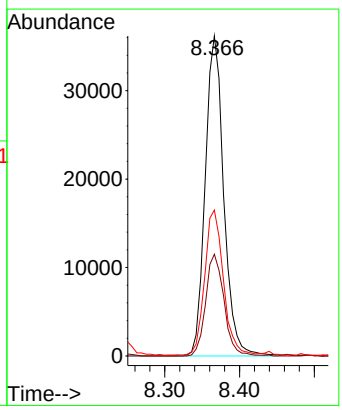
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

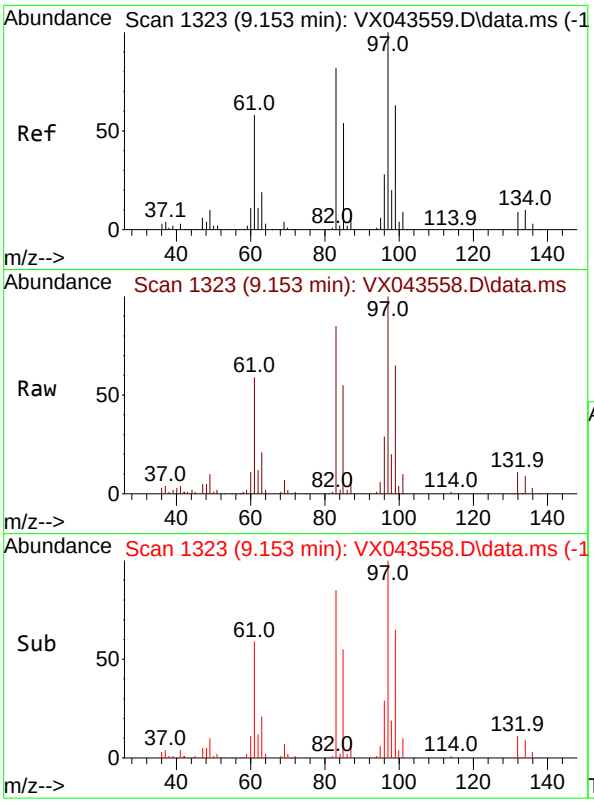


#54
cis-1,3-Dichloropropene
Concen: 21.962 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 62338

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	45.2	37.7	56.5

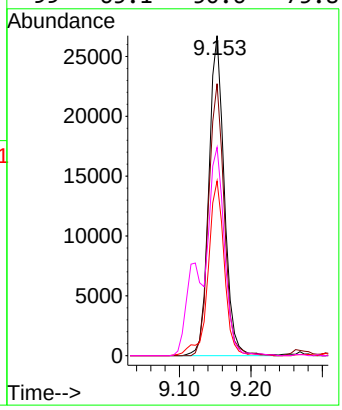




#55
1,1,2-Trichloroethane
Concen: 20.132 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 97 Resp: 4019

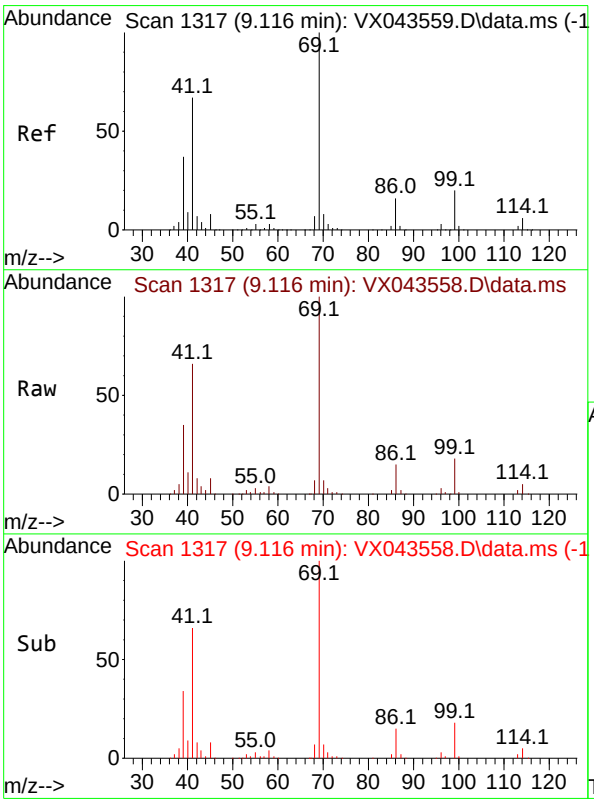
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.3	100.9
85	54.6	43.6	65.4
99	65.1	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

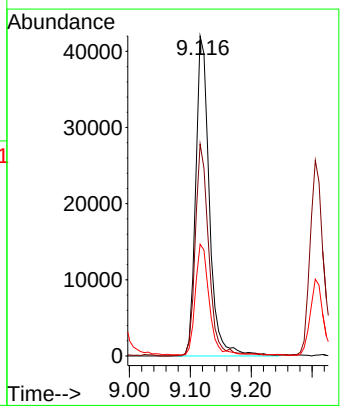
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

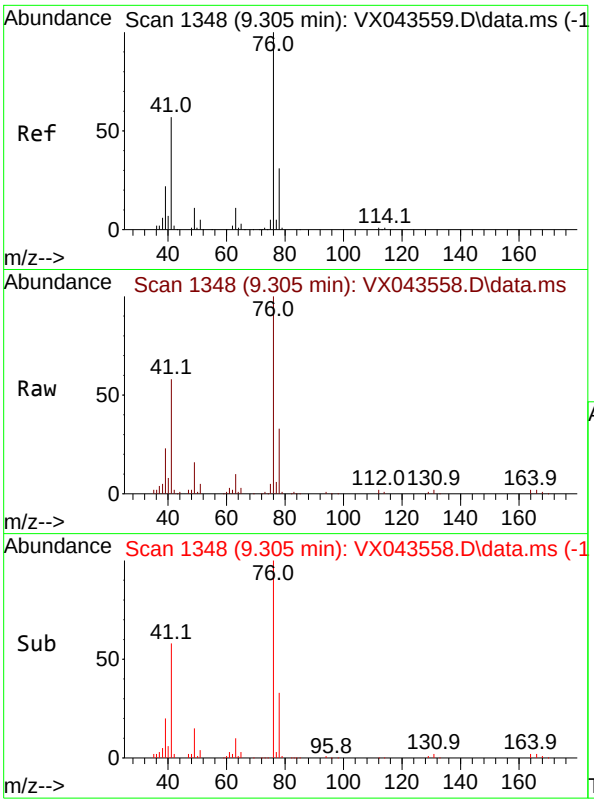


#56
Ethyl methacrylate
Concen: 20.255 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 69 Resp: 65359

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.8	80.8
39	34.8	29.9	44.9

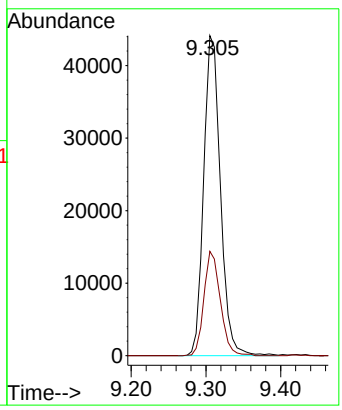




#57
1,3-Dichloropropane
Concen: 20.831 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 76 Resp: 6867

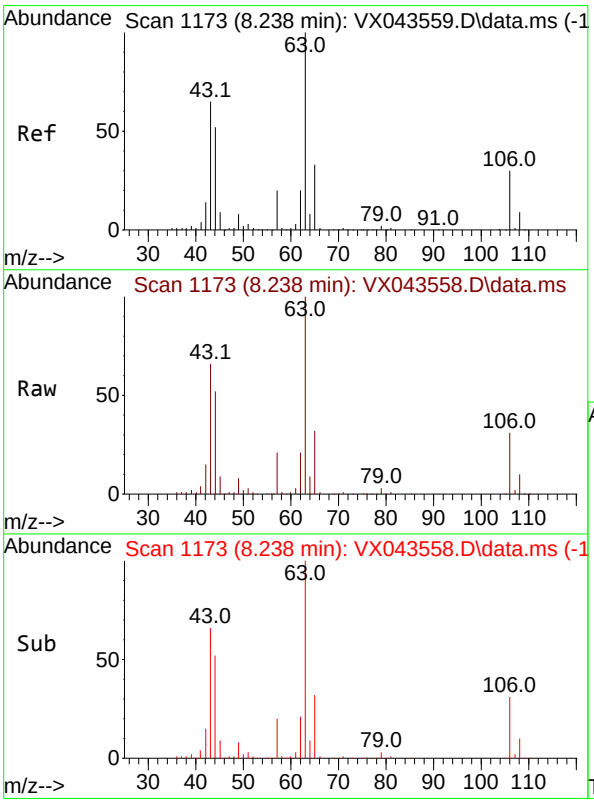
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

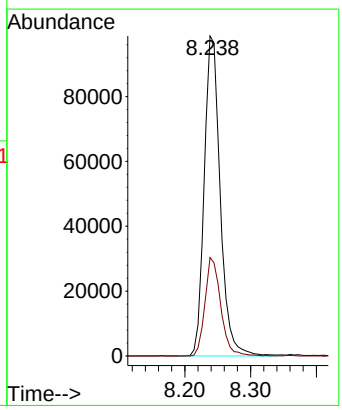
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

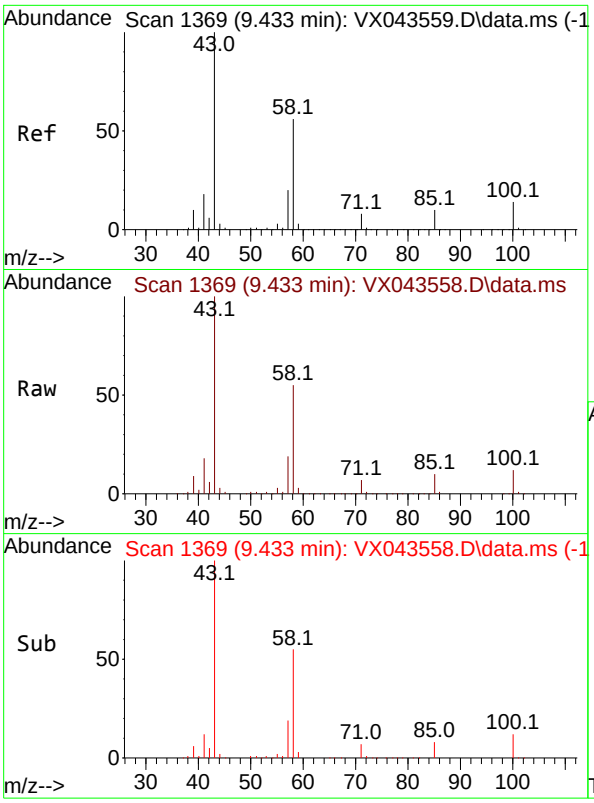


#58
2-Chloroethyl Vinyl ether
Concen: 105.324 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 63 Resp: 167179

Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.6	35.4





#59
2-Hexanone
Concen: 93.320 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

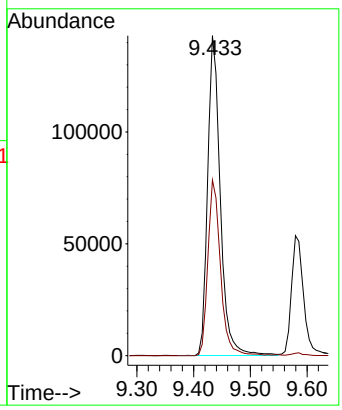
Tgt Ion: 43 Resp: 22160

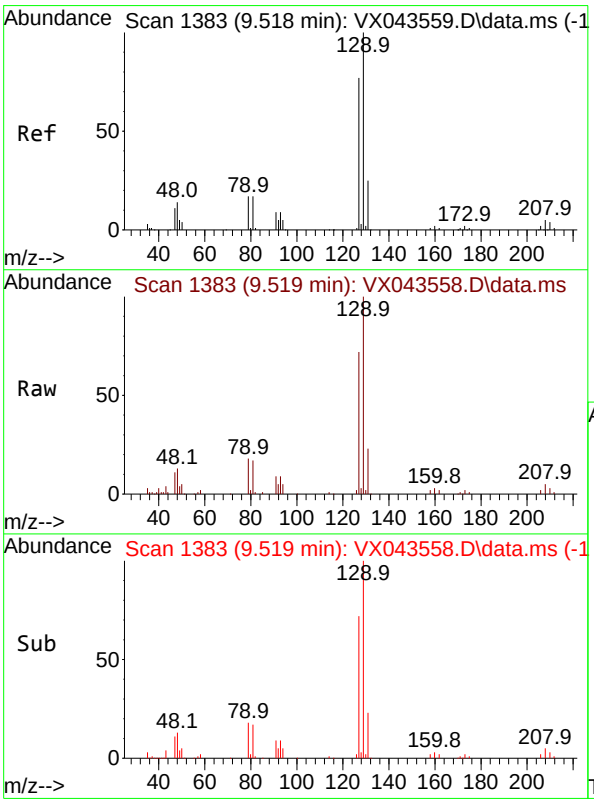
Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

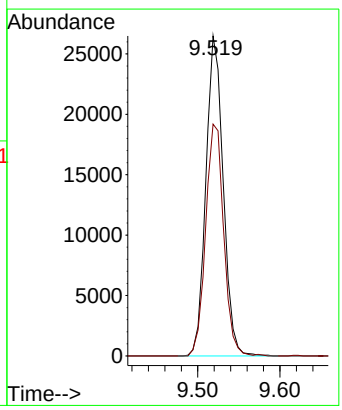


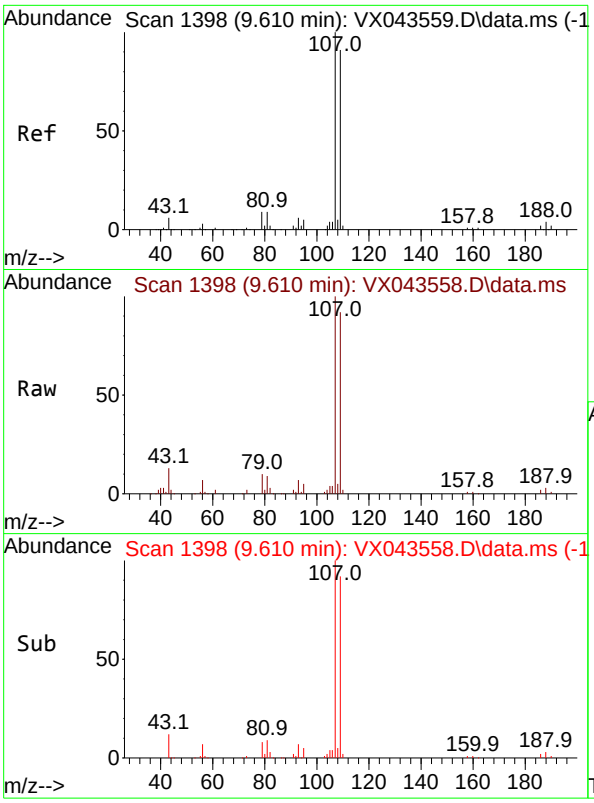


#60
Dibromochloromethane
Concen: 20.721 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:129 Resp: 38713

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.4	115.1

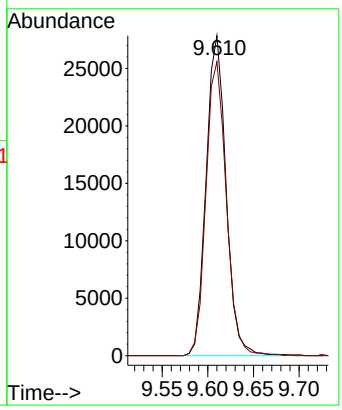




#61
1,2-Dibromoethane
Concen: 20.896 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:107 Resp: 4205

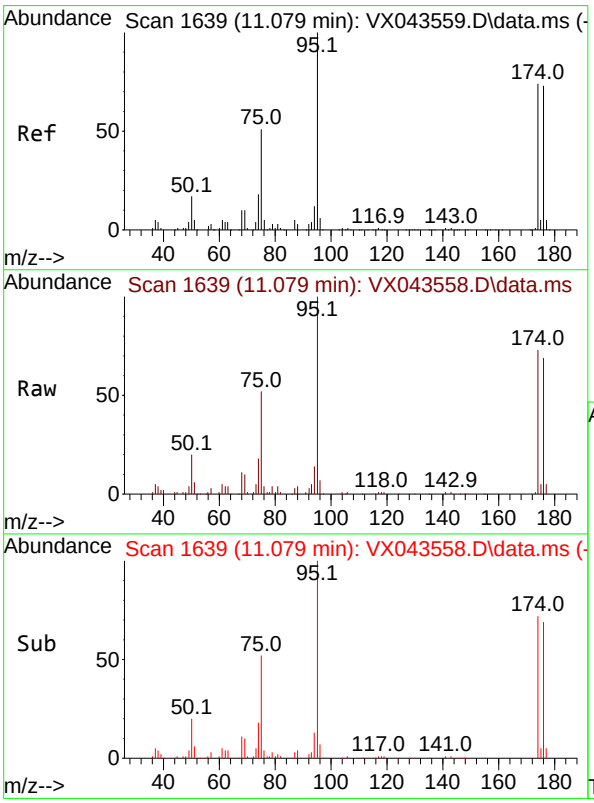
Ion	Ratio	Lower	Upper
107	100		
109	93.9	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

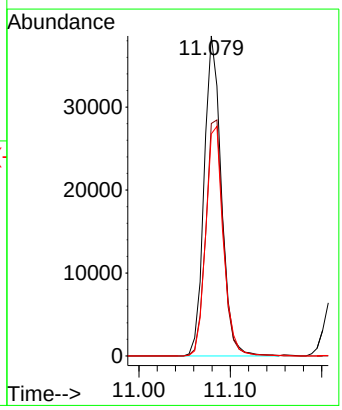
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

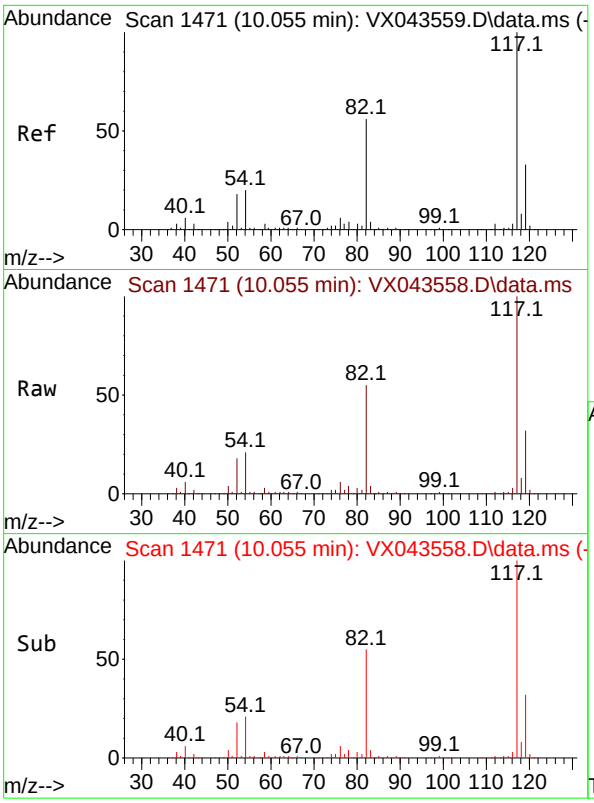


#62
4-Bromofluorobenzene
Concen: 20.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 95 Resp: 50243

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	146.6
176	73.4	0.0	139.6

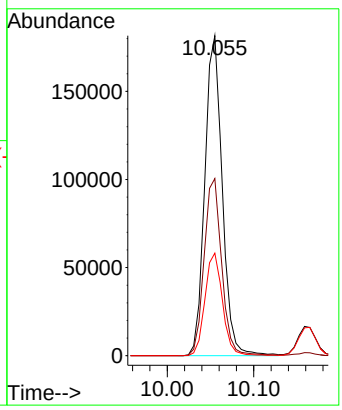




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:117 Resp: 25462

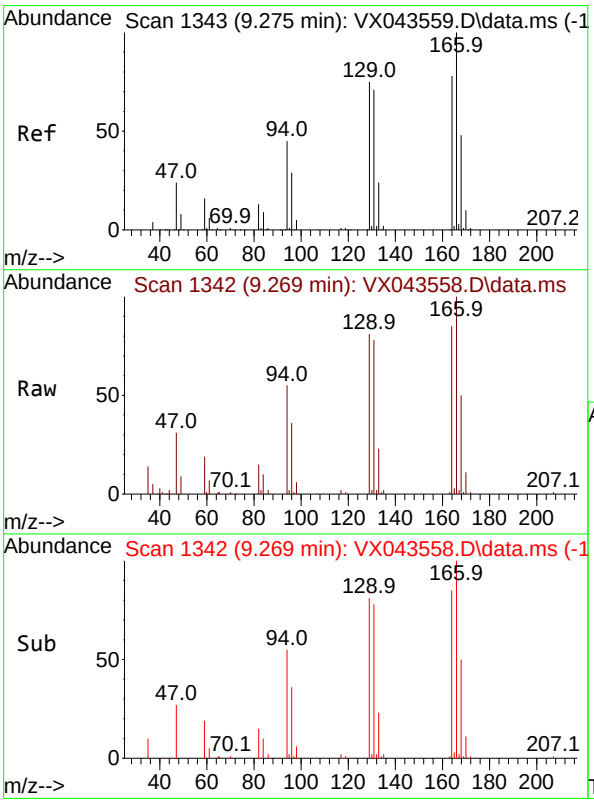
Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.1	63.1
119	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

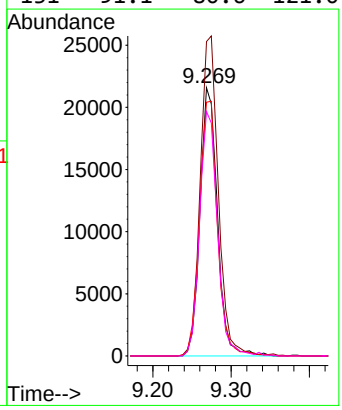
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

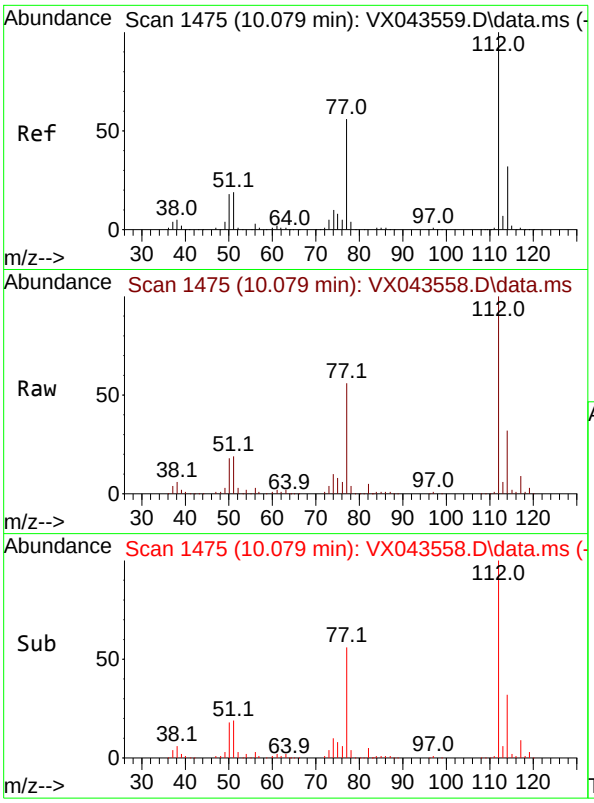


#64
Tetrachloroethene
Concen: 20.871 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:164 Resp: 33267

Ion	Ratio	Lower	Upper
164	100		
166	117.2	103.8	155.6
129	94.6	83.8	125.6
131	91.1	80.6	121.0

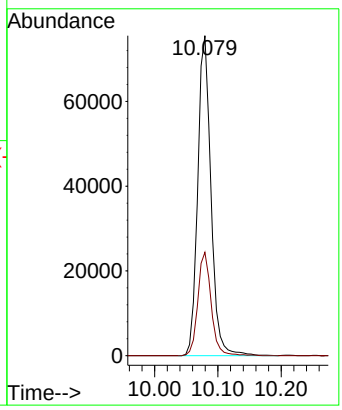




#65
Chlorobenzene
Concen: 20.814 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:112 Resp: 11025

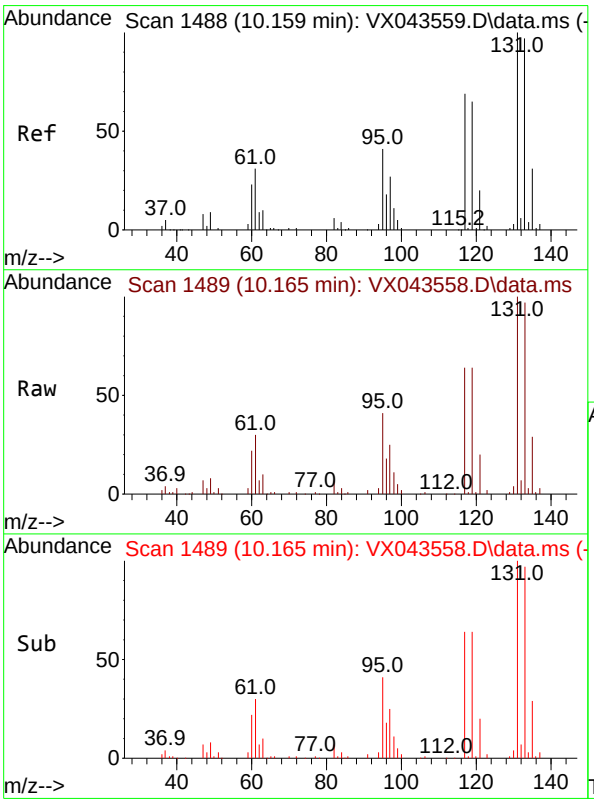
Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

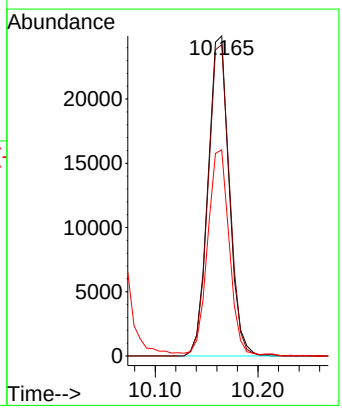
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

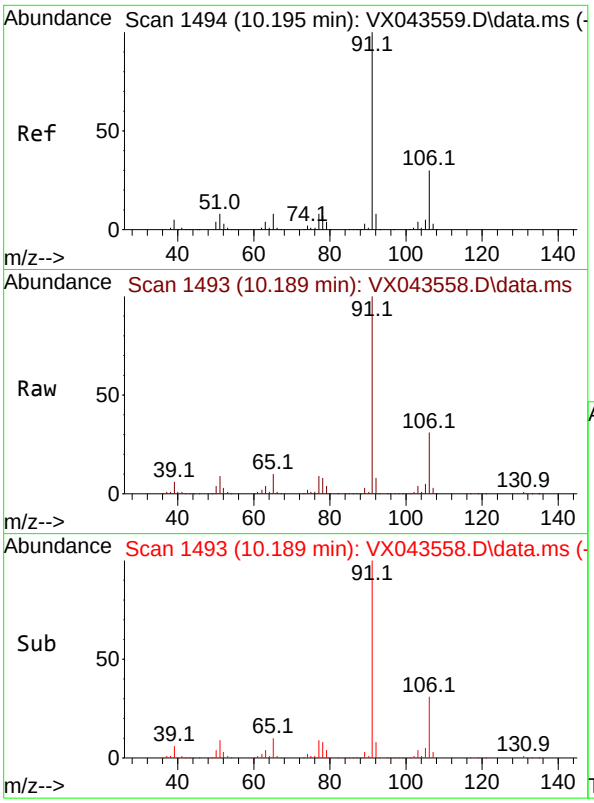


#66
1,1,1,2-Tetrachloroethane
Concen: 19.934 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:131 Resp: 35663

Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.0	144.0
119	66.1	32.3	96.9





#67
Ethyl Benzene
Concen: 20.790 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

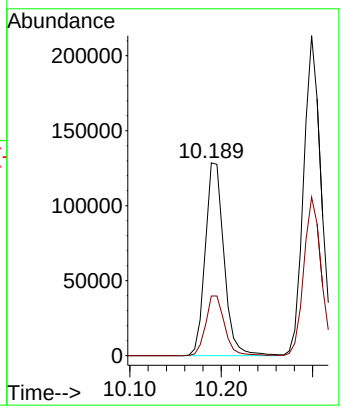
Tgt Ion: 91 Resp: 18319

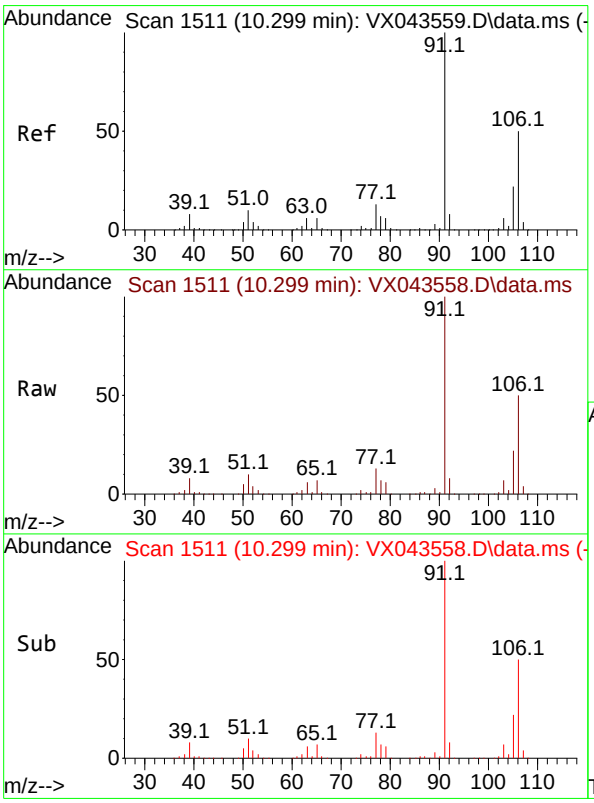
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

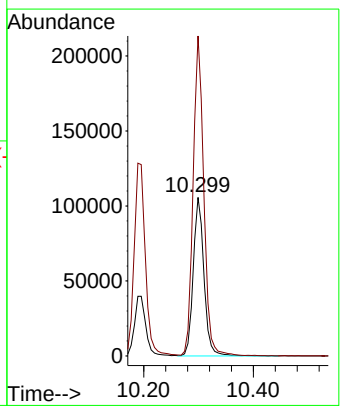


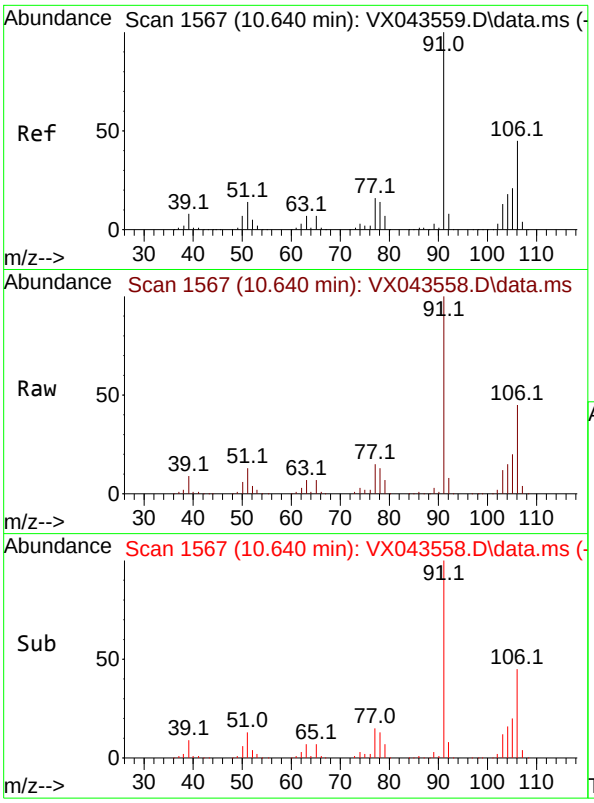


#68
m/p-Xylenes
Concen: 43.222 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:106 Resp: 144291

Ion	Ratio	Lower	Upper
106	100		
91	199.6	164.7	247.1

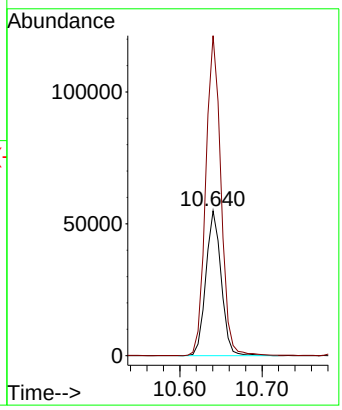




#69
o-Xylene
Concen: 20.704 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:106 Resp: 7104

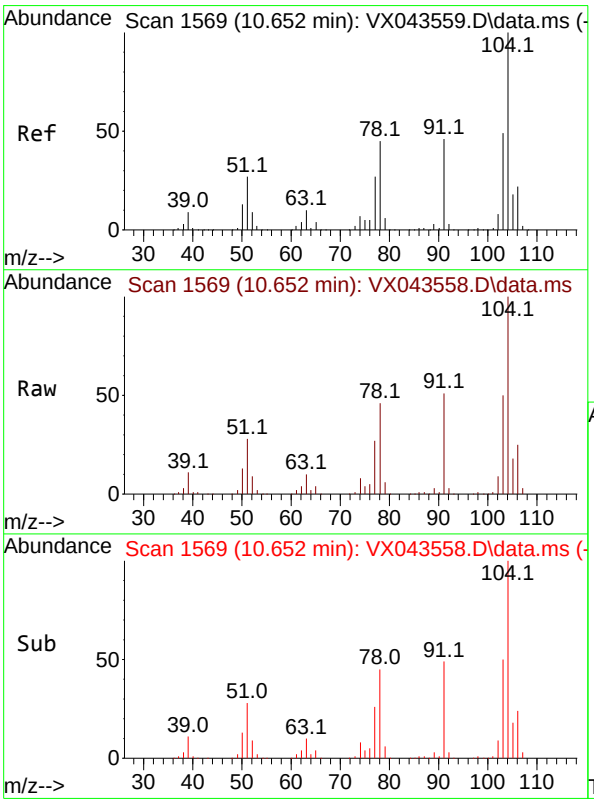
Ion	Ratio	Lower	Upper
106	100		
91	219.4	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

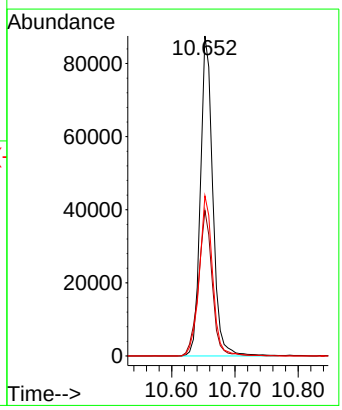
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

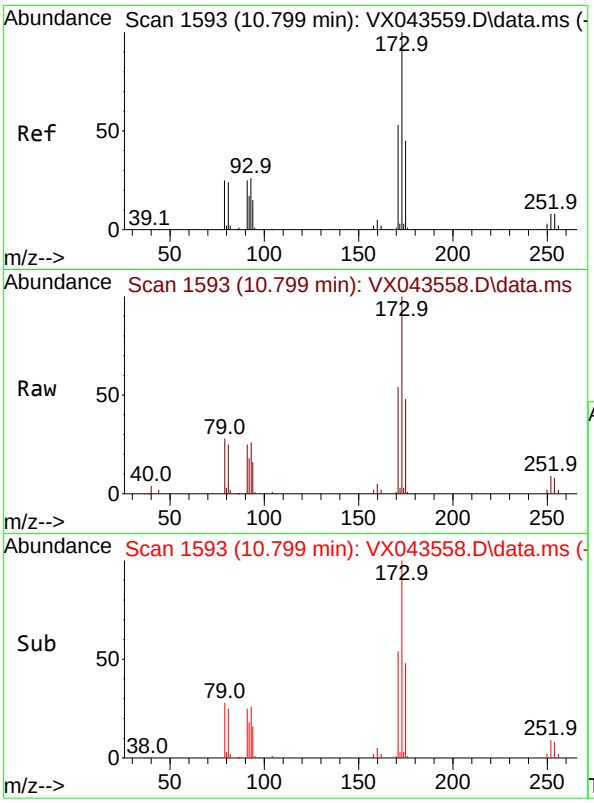


#70
Styrene
Concen: 21.527 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:104 Resp: 119564

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.0	60.0
103	54.1	43.4	65.0

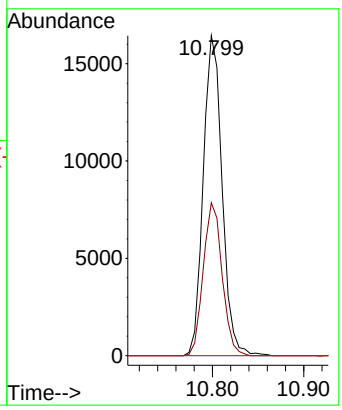




#71
Bromoform
Concen: 19.445 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:173 Resp: 2345

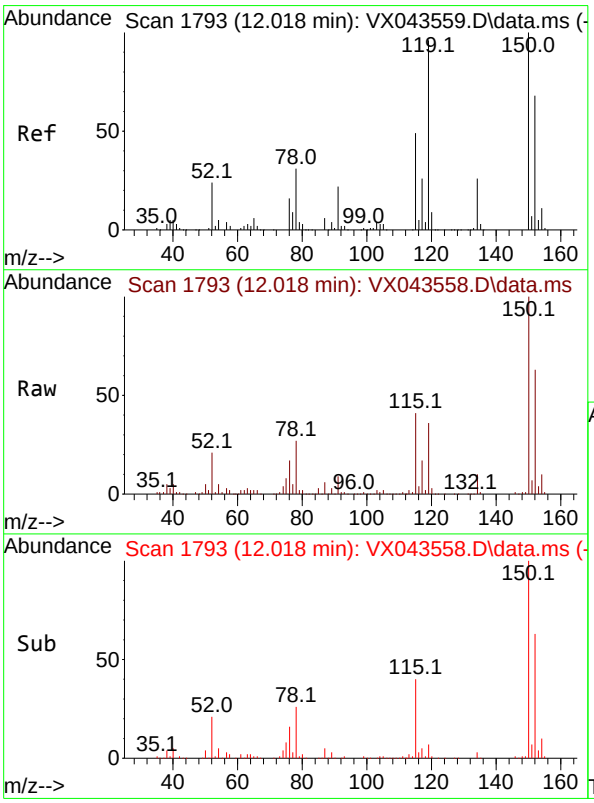
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

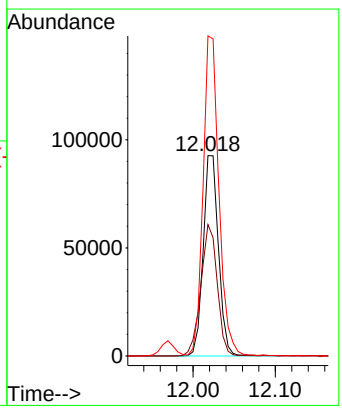
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

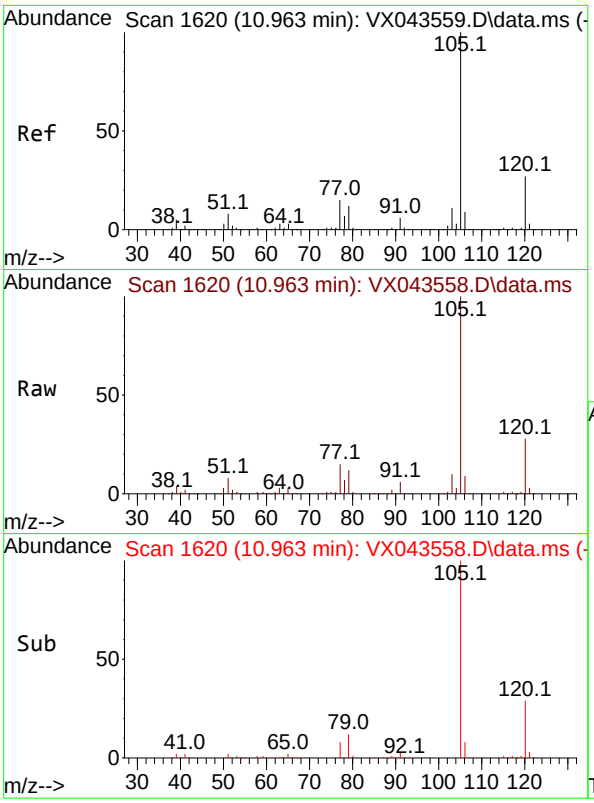


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:152 Resp: 119710

Ion	Ratio	Lower	Upper
152	100		
115	70.3	42.9	128.7
150	164.5	0.0	343.6





#73
Isopropylbenzene
Concen: 20.733 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

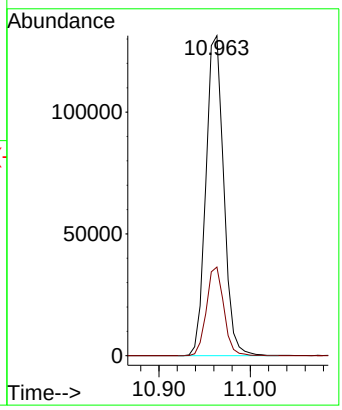
Tgt Ion:105 Resp: 17740

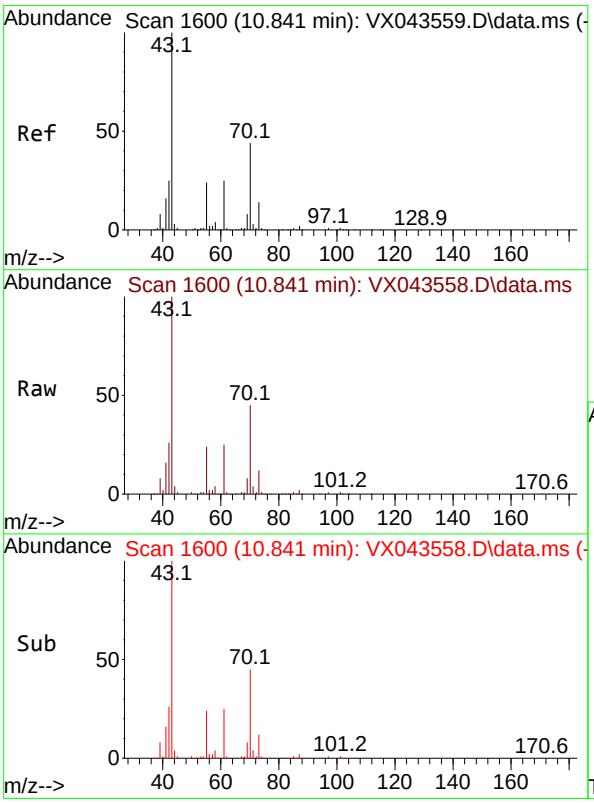
Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

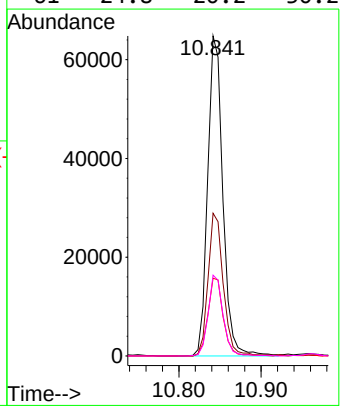


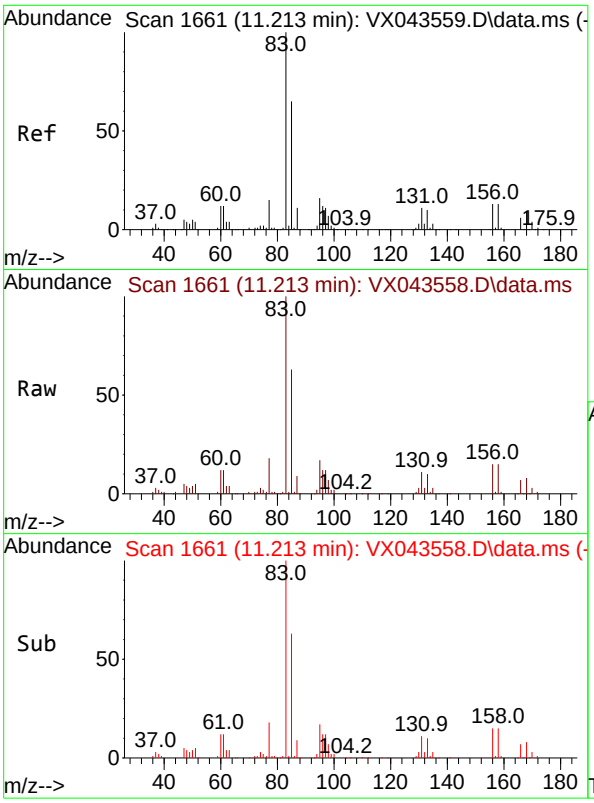


#74
N-amyl acetate
Concen: 19.288 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 83132

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.6	52.0
55	24.7	19.6	29.4
61	24.8	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.225 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

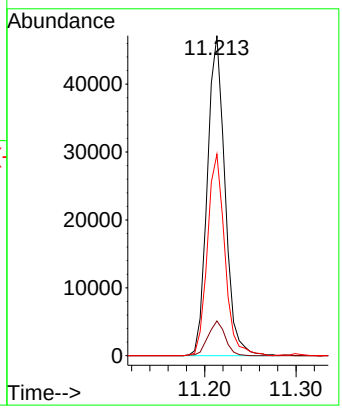
Tgt Ion: 83 Resp: 6301

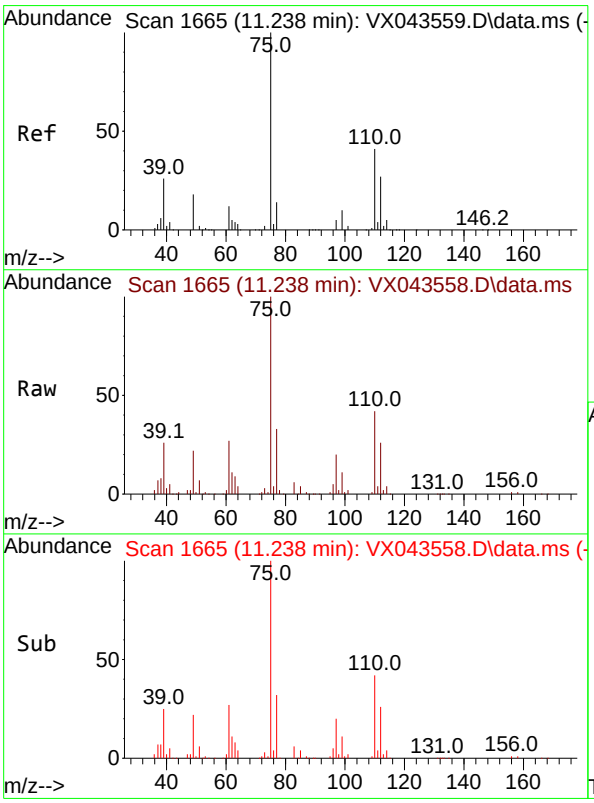
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	62.3	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

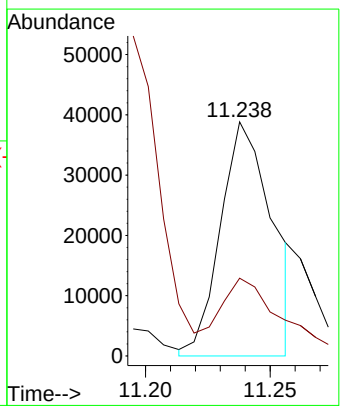


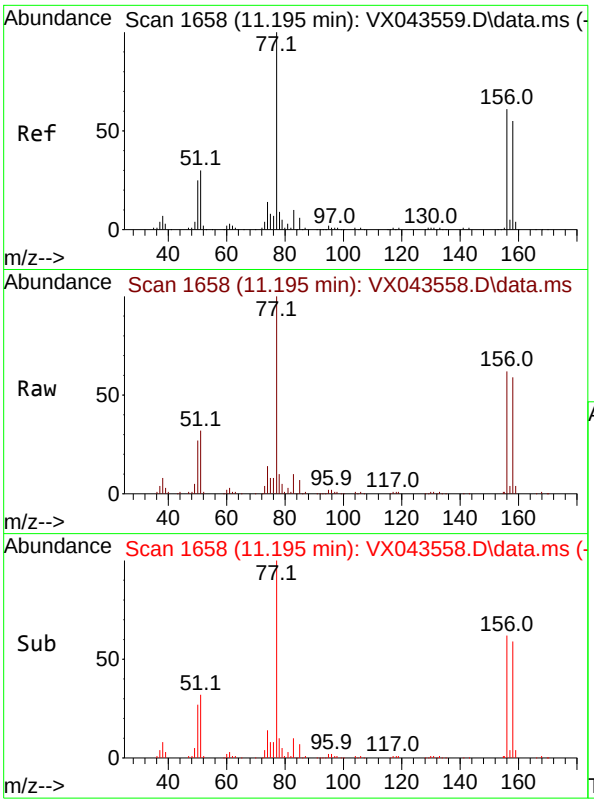


#76
1,2,3-Trichloropropane
Concen: 20.069 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 55850

Ion	Ratio	Lower	Upper
75	100		
77	40.3	22.4	67.2

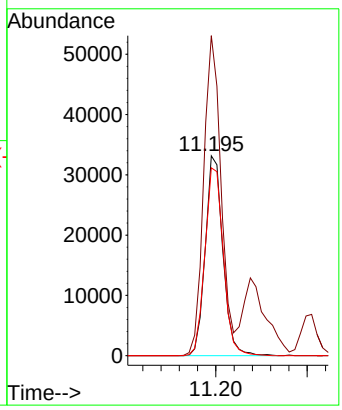




#77
Bromobenzene
Concen: 20.310 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:156 Resp: 4436

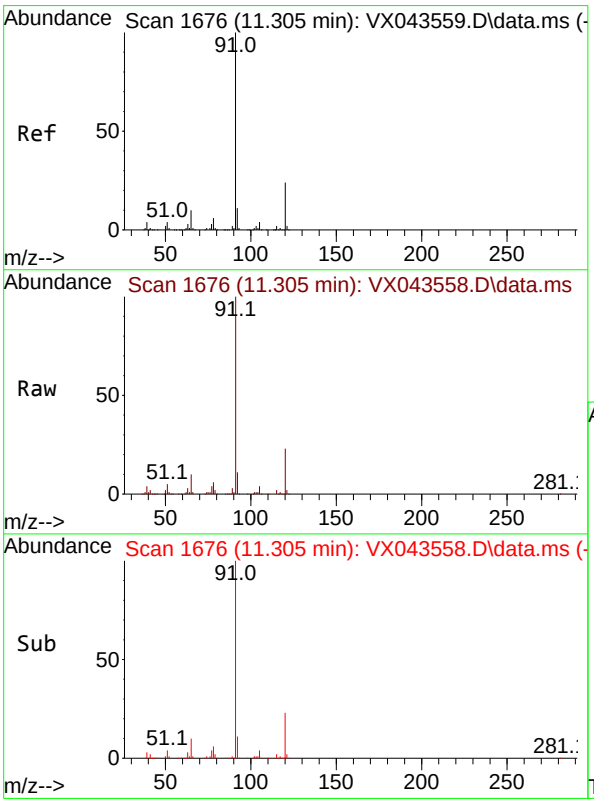
Ion	Ratio	Lower	Upper
156	100		
77	156.9	79.7	239.1
158	98.3	48.0	144.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

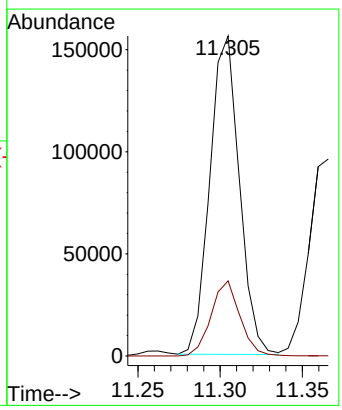
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

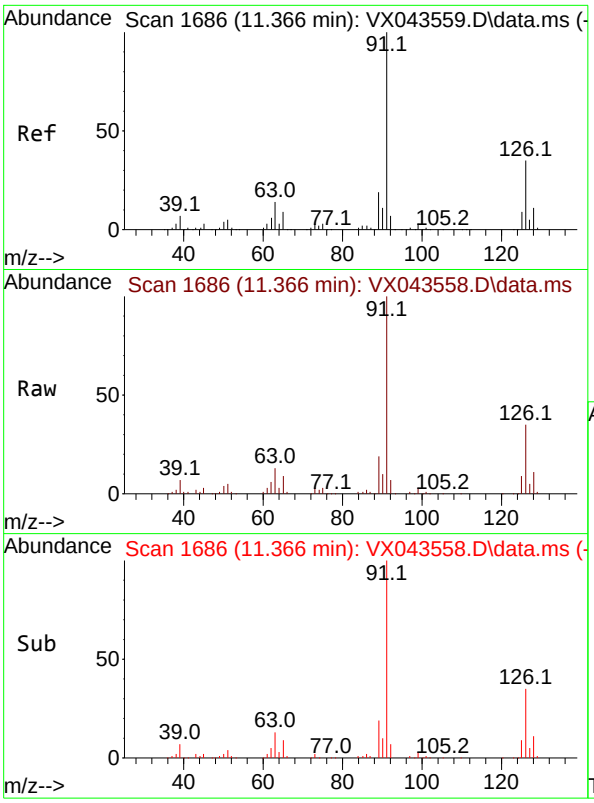


#78
n-propylbenzene
Concen: 21.351 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 194707

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7

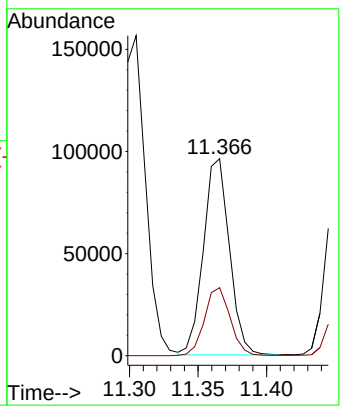




#79
2-Chlorotoluene
Concen: 20.753 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 12698

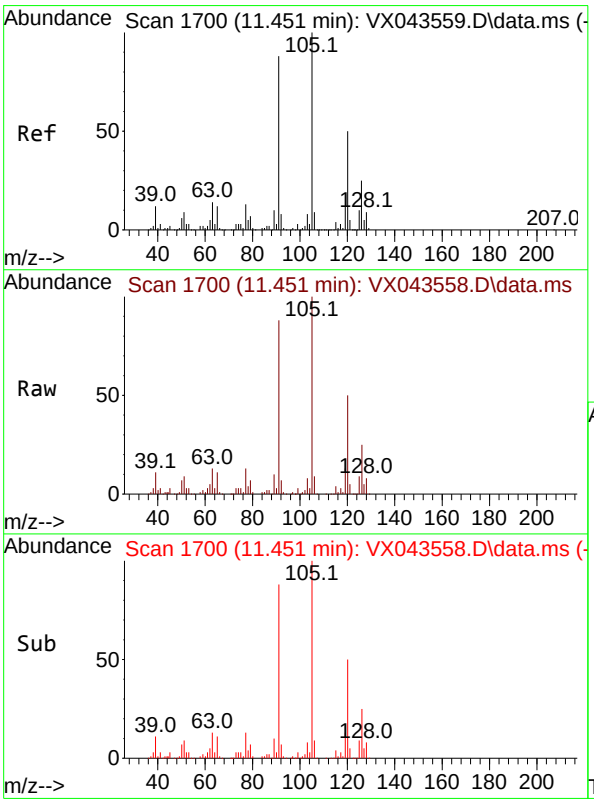
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.7	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

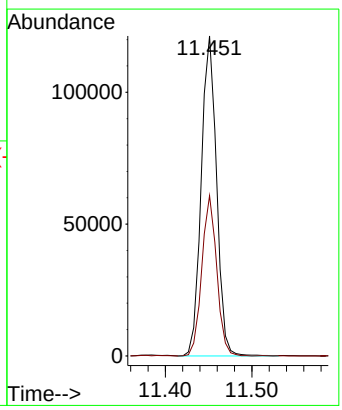
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

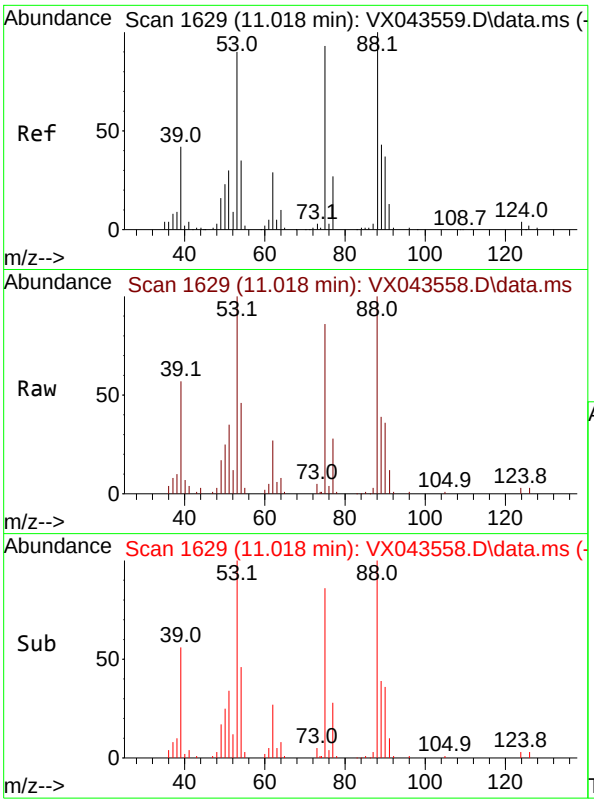


#80
1,3,5-Trimethylbenzene
Concen: 21.008 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:105 Resp: 149254

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.703 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

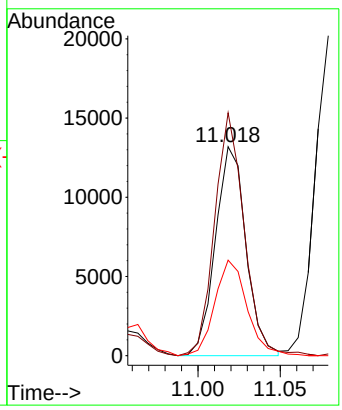
Tgt Ion: 75 Resp: 1705

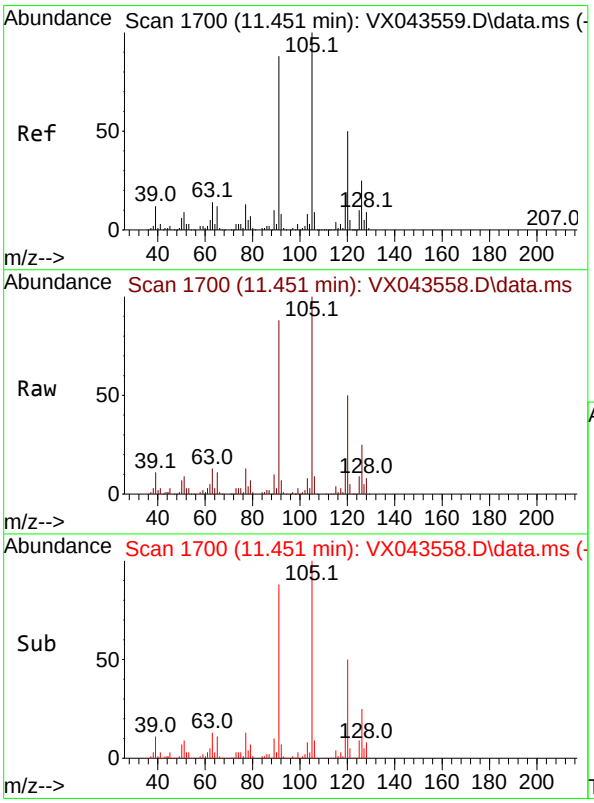
Ion	Ratio	Lower	Upper
75	100		
53	111.9	84.6	126.8
89	48.1	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

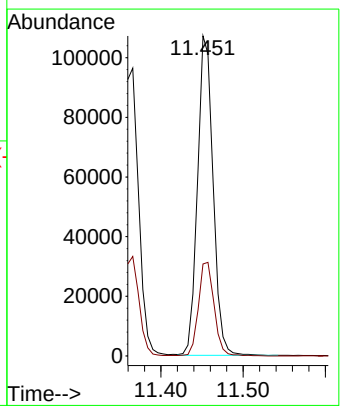


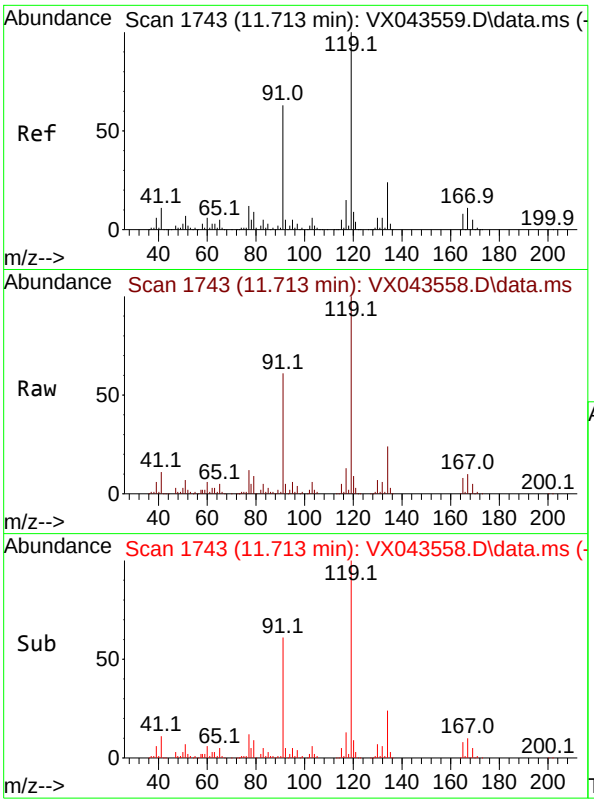


#82
4-Chlorotoluene
Concen: 20.804 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 140875

Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.2	42.8

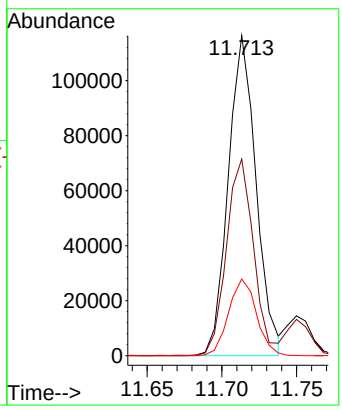




#83
tert-Butylbenzene
Concen: 20.809 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:119 Resp: 15076

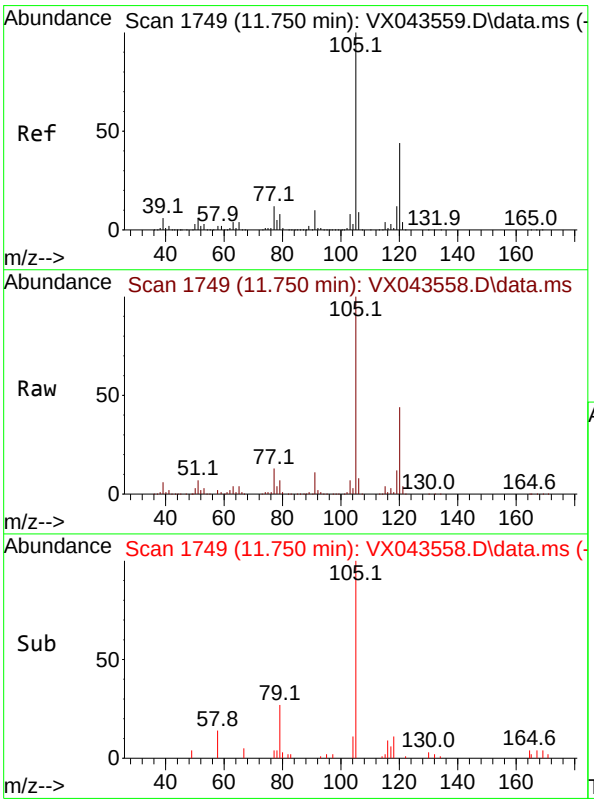
Ion	Ratio	Lower	Upper
119	100		
91	60.3	29.5	88.5
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

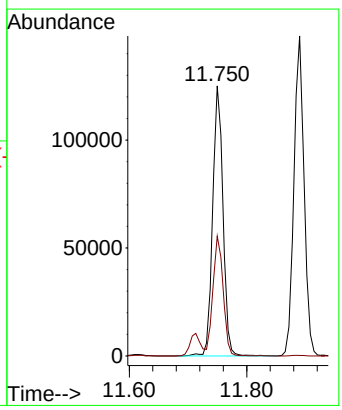
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

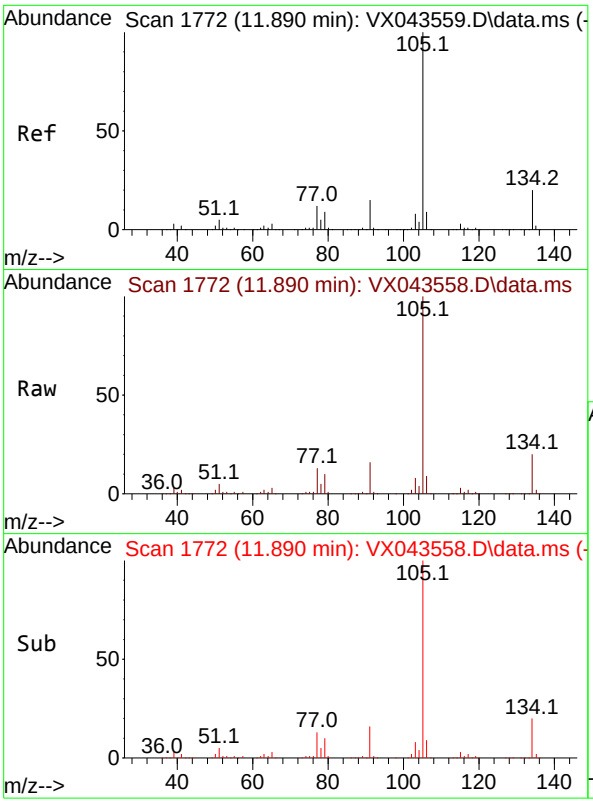


#84
1,2,4-Trimethylbenzene
Concen: 21.002 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:105 Resp: 152608

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

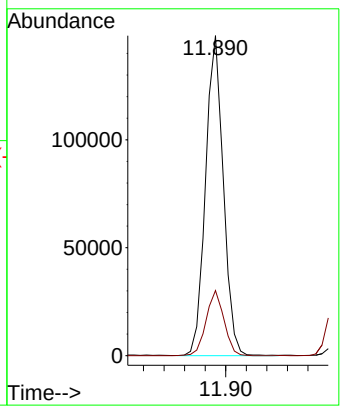




#85
sec-Butylbenzene
Concen: 21.218 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:105 Resp: 17804

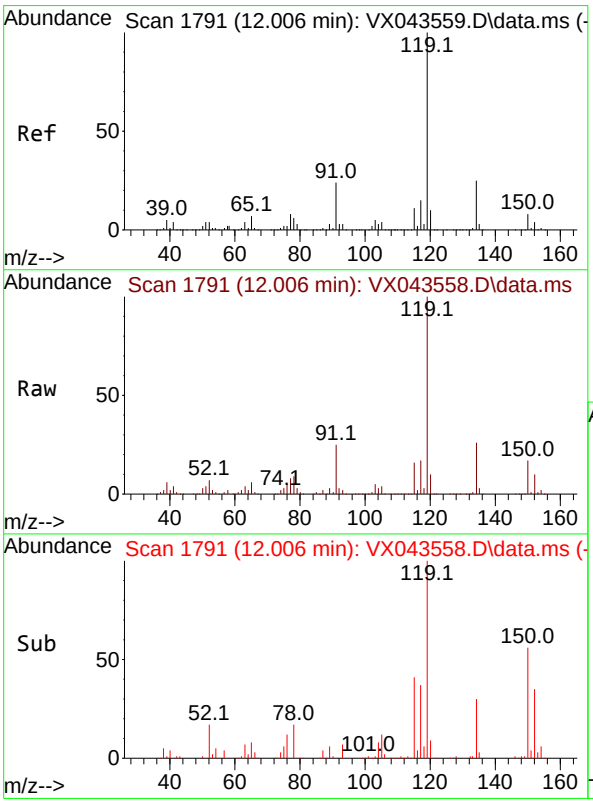
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

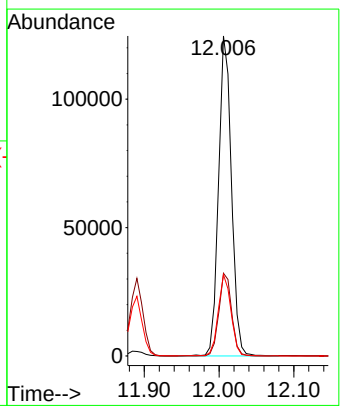
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

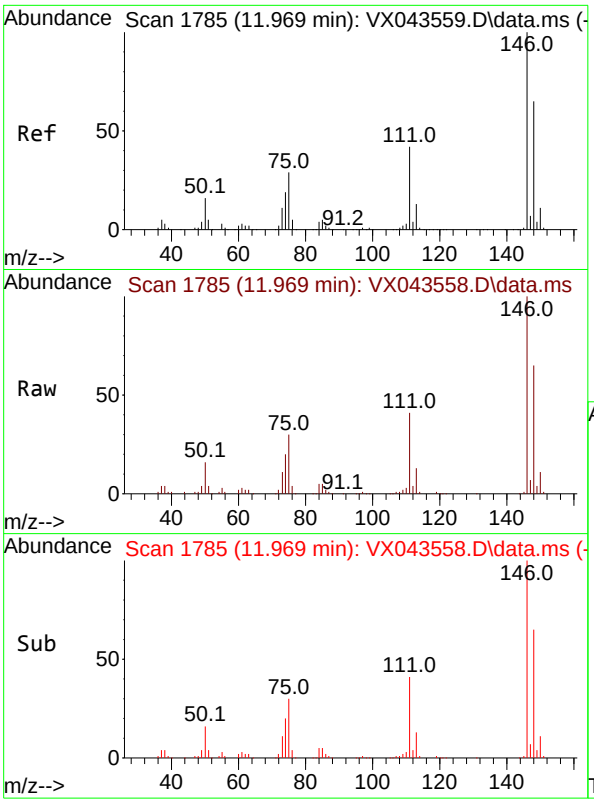


#86
p-Isopropyltoluene
Concen: 21.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:119 Resp: 149537

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	25.3	12.4	37.0

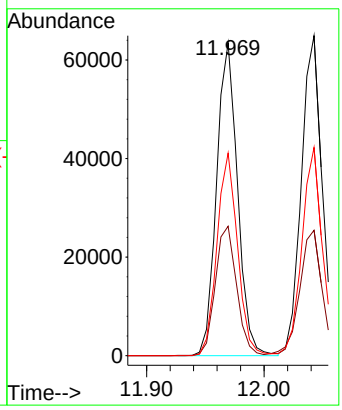




#87
1,3-Dichlorobenzene
Concen: 20.122 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:146 Resp: 7886

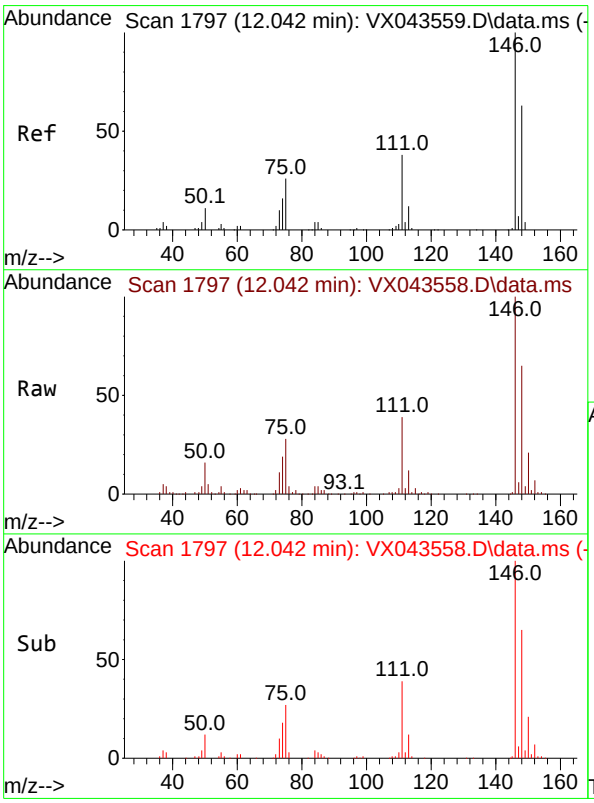
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	63.5	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

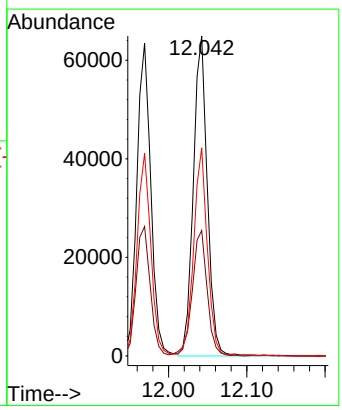
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

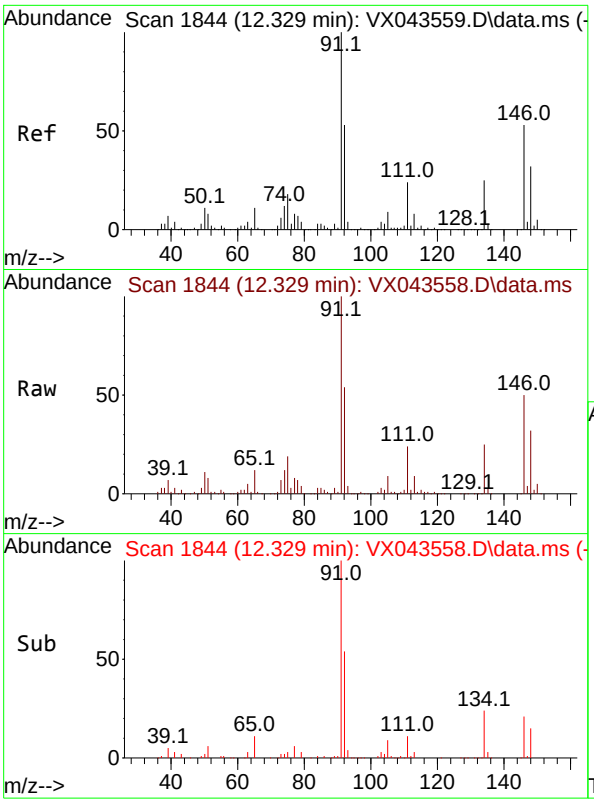


#88
1,4-Dichlorobenzene
Concen: 20.525 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:146 Resp: 81095

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.8	31.9	95.9

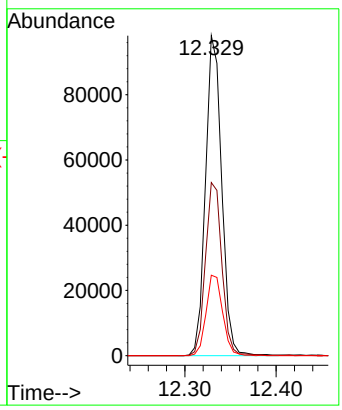




#89
n-Butylbenzene
Concen: 21.375 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 12046

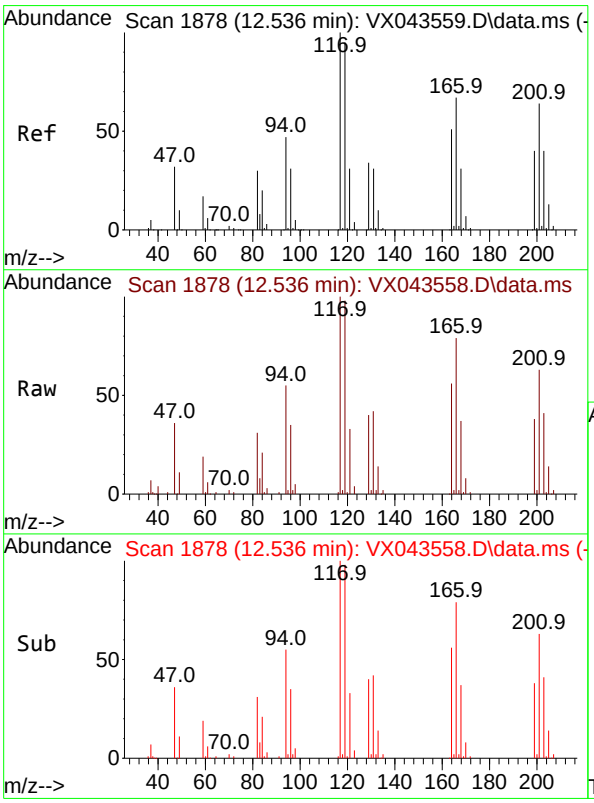
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.1	81.2
134	25.8	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

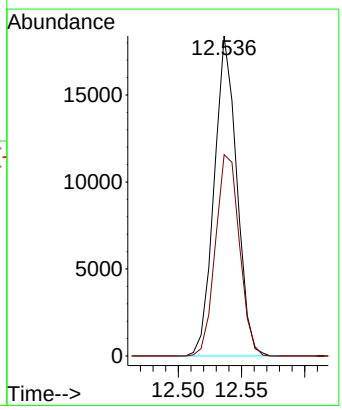
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

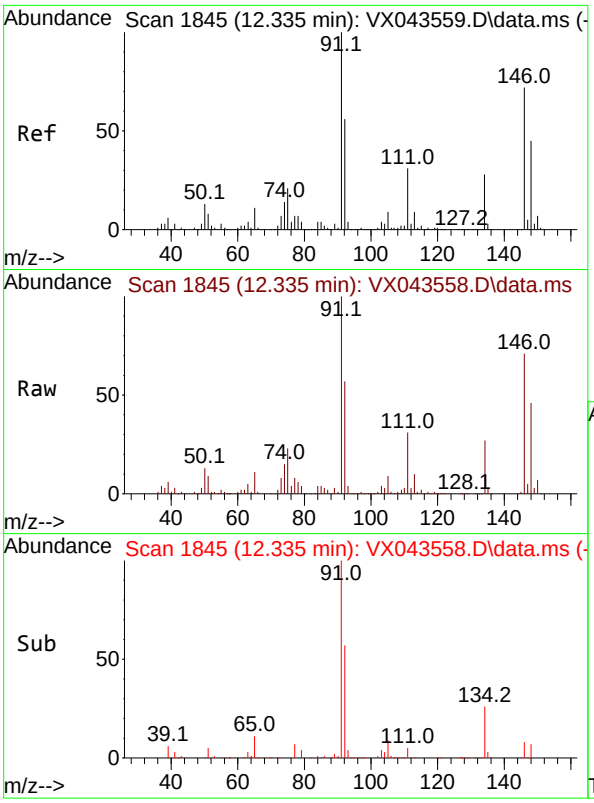


#90
Hexachloroethane
Concen: 20.246 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:117 Resp: 22769

Ion	Ratio	Lower	Upper
117	100		
201	67.1	32.9	98.7

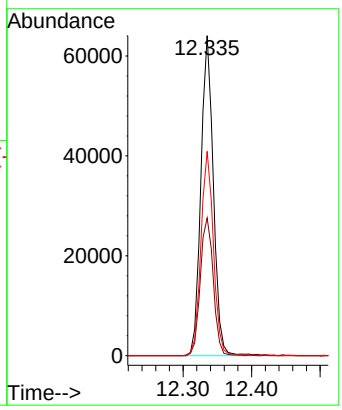




#91
1,2-Dichlorobenzene
Concen: 20.112 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:146 Resp: 8128

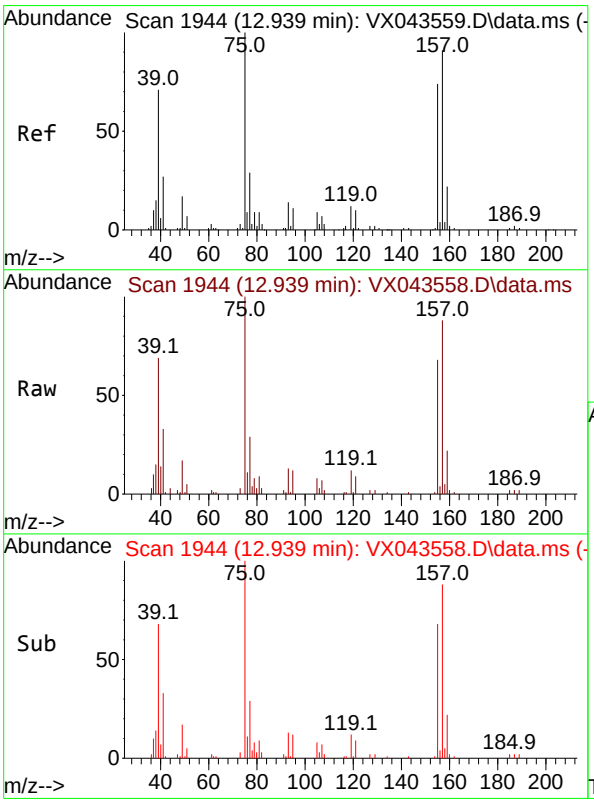
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	64.6
148	64.0	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

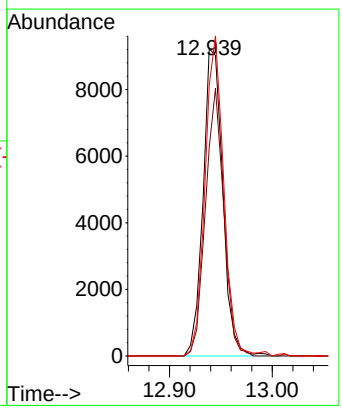
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

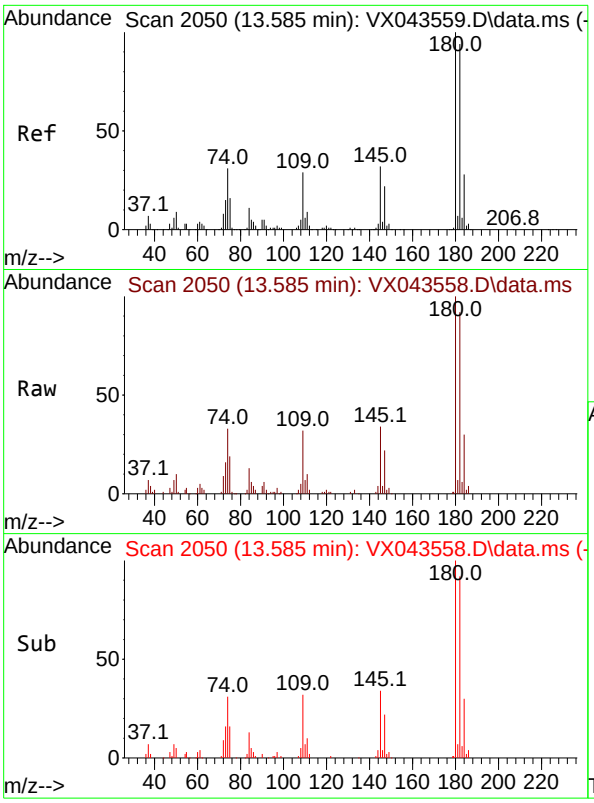


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.603 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 12277

Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.1	120.3
157	99.8	50.8	152.4

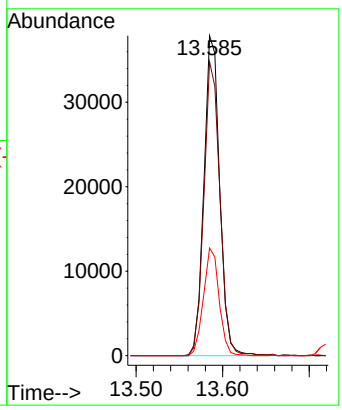




#93
1,2,4-Trichlorobenzene
Concen: 20.219 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:180 Resp: 4785

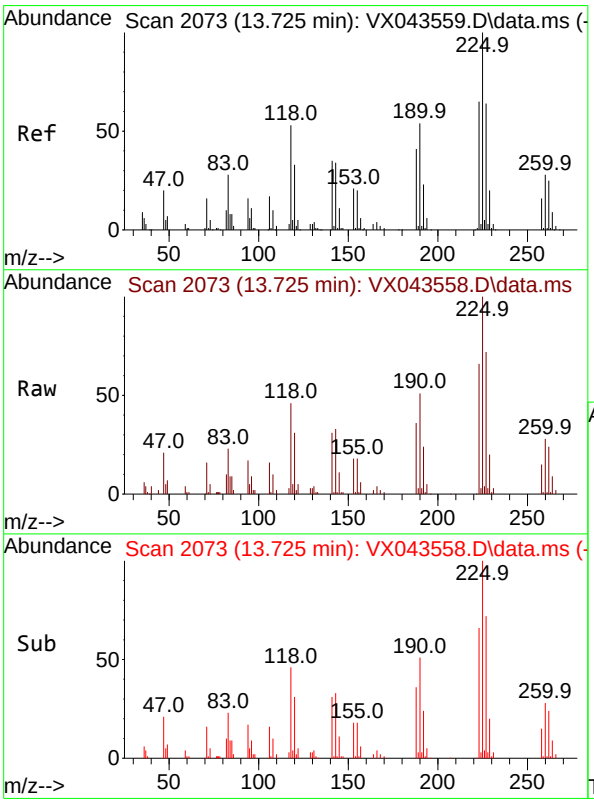
Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.8	140.4
145	33.4	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

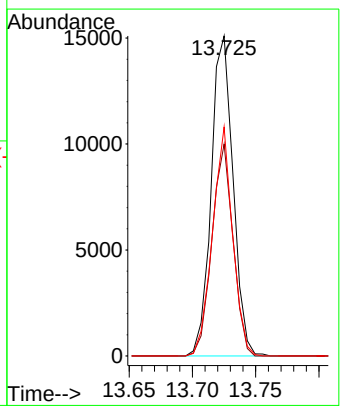
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

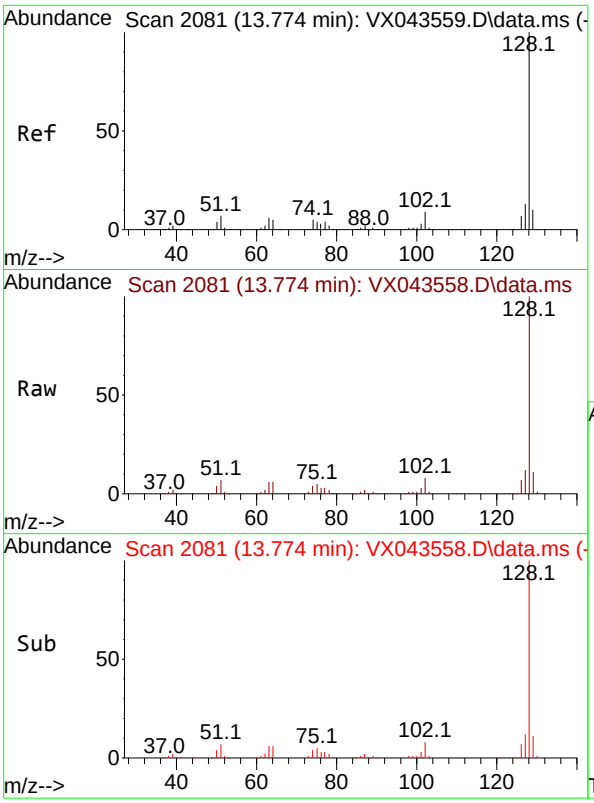


#94
Hexachlorobutadiene
Concen: 21.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:225 Resp: 18082

Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.8	92.4
227	66.2	31.6	94.8

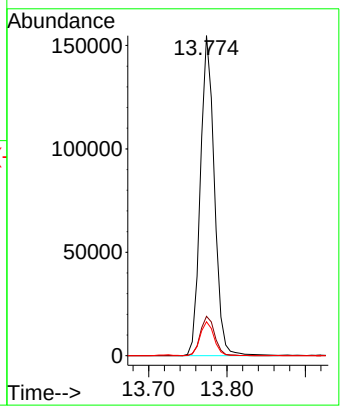




#95
Naphthalene
Concen: 19.754 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:128 Resp: 19183

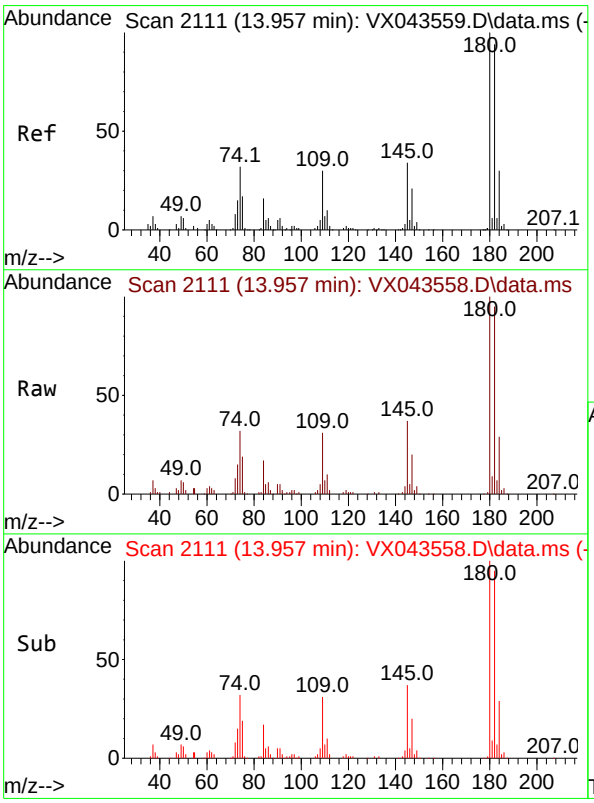
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

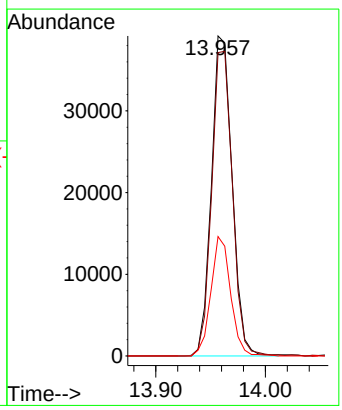
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.826 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:180 Resp: 51568

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	35.5	17.4	52.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	148919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116854	49.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.940%			
35) Dibromofluoromethane	5.379	113	91079	50.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.647	98	318252	50.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	120225	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	75417	45.433	ug/l	96
3) Chloromethane	1.294	50	96896	45.755	ug/l	99
4) Vinyl Chloride	1.374	62	94488	48.982	ug/l	99
5) Bromomethane	1.593	94	38969	51.722	ug/l	98
6) Chloroethane	1.666	64	33540	53.137	ug/l	99
7) Trichlorofluoromethane	1.867	101	116013	45.825	ug/l	98
8) Diethyl Ether	2.136	74	52937	47.871	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	78193	48.932	ug/l	99
10) Methyl Iodide	2.440	142	116521	52.655	ug/l	99
11) Tert butyl alcohol	3.014	59	116081m	230.069	ug/l	
12) 1,1-Dichloroethene	2.306	96	79758	50.765	ug/l	93
13) Acrolein	2.239	56	80960	203.631	ug/l	98
14) Allyl chloride	2.654	41	141976	50.925	ug/l	98
15) Acrylonitrile	3.068	53	259325	232.022	ug/l	100
16) Acetone	2.392	43	232587	230.659	ug/l	100
17) Carbon Disulfide	2.501	76	168807	51.908	ug/l	100
18) Methyl Acetate	2.709	43	137905	45.505	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	309762	50.673	ug/l	98
20) Methylene Chloride	2.782	84	98700	50.086	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	83735	49.229	ug/l	98
22) Diisopropyl ether	3.763	45	290506	50.487	ug/l	97
23) Vinyl Acetate	3.721	43	1256555	264.336	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165218	50.903	ug/l	98
25) 2-Butanone	4.568	43	359526	234.753	ug/l	100
26) 2,2-Dichloropropane	4.465	77	132434	56.613	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	110158	51.979	ug/l	99
28) Bromochloromethane	4.897	49	75534	47.042	ug/l	98
29) Tetrahydrofuran	5.013	42	230616	230.617	ug/l	100
30) Chloroform	5.086	83	173217	49.905	ug/l	97
31) Cyclohexane	5.464	56	124896	48.500	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	146876	50.355	ug/l	98
36) 1,1-Dichloropropene	5.690	75	105059	49.233	ug/l	98
37) Ethyl Acetate	4.714	43	136901	47.008	ug/l	99
38) Carbon Tetrachloride	5.672	117	120318	49.620	ug/l	98
39) Methylcyclohexane	7.379	83	138062	50.451	ug/l	95
40) Benzene	6.031	78	366906	51.436	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73294	50.034	ug/l		96
42) 1,2-Dichloroethane	6.086	62	133953	51.050	ug/l		99
43) Isopropyl Acetate	6.342	43	226323	49.127	ug/l		99
44) Trichloroethene	7.123	130	91422	54.057	ug/l		91
45) 1,2-Dichloropropane	7.427	63	91389	52.464	ug/l		99
46) Dibromomethane	7.580	93	70386	52.600	ug/l		98
47) Bromodichloromethane	7.818	83	129022	54.350	ug/l		95
48) Methyl methacrylate	7.696	41	108981	50.670	ug/l		99
49) 1,4-Dioxane	7.671	88	44516	805.596	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	710786	243.501	ug/l		99
52) Toluene	8.714	92	227004	51.617	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	137951	57.422	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	147056	55.739	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	96225	51.848	ug/l		99
56) Ethyl methacrylate	9.116	69	159817	53.285	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159890	52.178	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	362792	245.903	ug/l		98
59) 2-Hexanone	9.433	43	541763	245.453	ug/l		99
60) Dibromochloromethane	9.518	129	99435	57.260	ug/l		99
61) 1,2-Dibromoethane	9.610	107	99405	53.133	ug/l		98
64) Tetrachloroethene	9.275	164	73551	49.296	ug/l		94
65) Chlorobenzene	10.079	112	256218	51.676	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	88746	52.993	ug/l		99
67) Ethyl Benzene	10.195	91	423515	51.347	ug/l		98
68) m/p-Xylenes	10.299	106	329261	105.366	ug/l		98
69) o-Xylene	10.640	106	164266	51.137	ug/l		99
70) Styrene	10.652	104	281883	54.218	ug/l		99
71) Bromoform	10.799	173	65582	58.090	ug/l	#	99
73) Isopropylbenzene	10.963	105	408411	49.811	ug/l		100
74) N-amyl acetate	10.841	43	203333	49.234	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	148153	47.168	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	122864m	46.074	ug/l		
77) Bromobenzene	11.195	156	106088	50.684	ug/l		100
78) n-propylbenzene	11.305	91	457180	52.320	ug/l		99
79) 2-Chlorotoluene	11.366	91	288711	49.242	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	348498	51.192	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	47974	54.897	ug/l		95
82) 4-Chlorotoluene	11.451	91	331765	51.131	ug/l		97
83) tert-Butylbenzene	11.713	119	348856	50.250	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	355522	51.061	ug/l		100
85) sec-Butylbenzene	11.890	105	417787	51.960	ug/l		100
86) p-Isopropyltoluene	12.006	119	358049	53.750	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	188818	50.274	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	189658	50.095	ug/l		100
89) n-Butylbenzene	12.329	91	299842	55.523	ug/l		100
90) Hexachloroethane	12.536	117	59554	55.265	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	198010	51.130	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32185	48.159	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	123940	54.653	ug/l		99
94) Hexachlorobutadiene	13.725	225	42766	53.286	ug/l		97
95) Naphthalene	13.774	128	473262	50.857	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126296	53.229	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

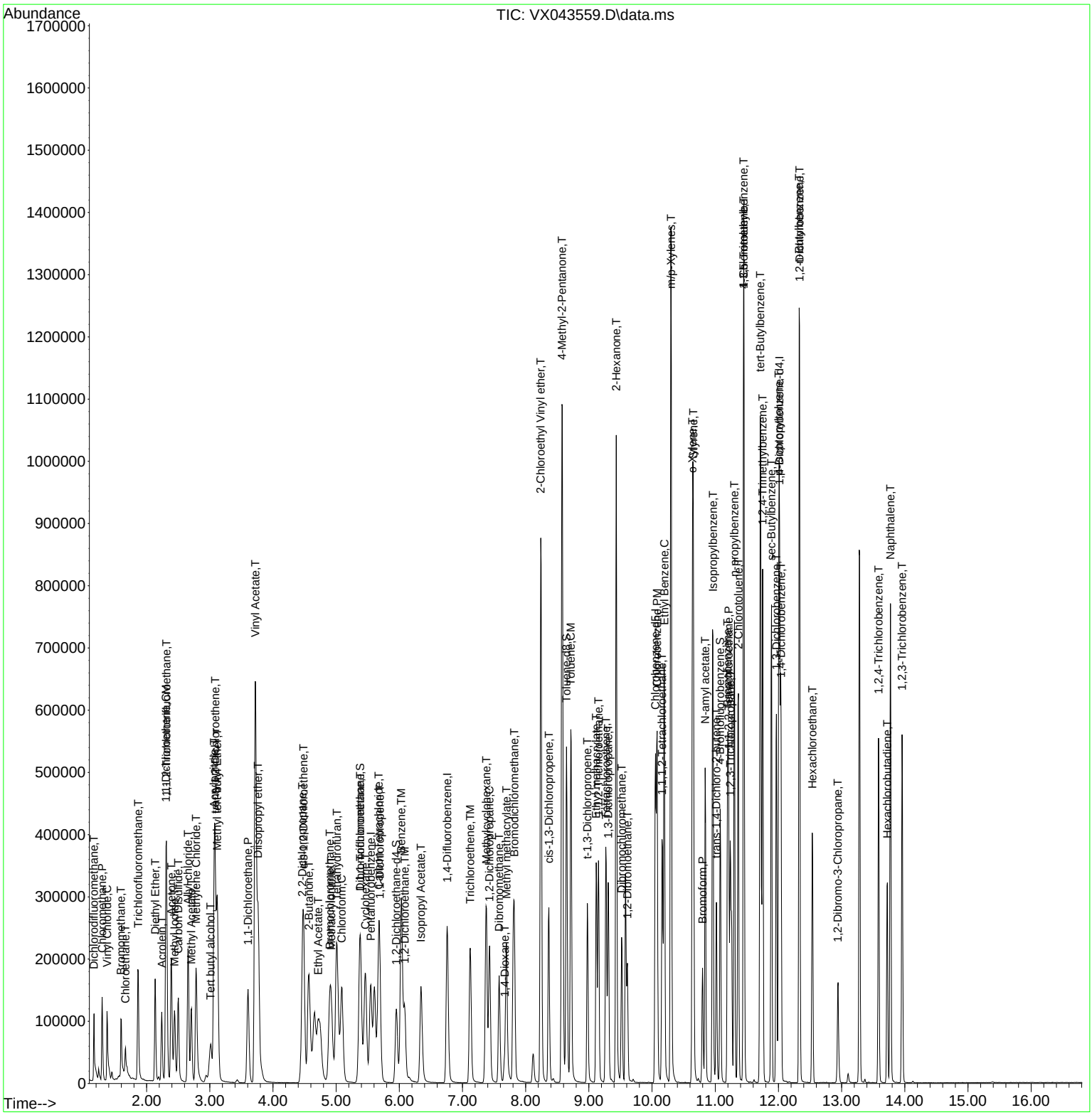
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

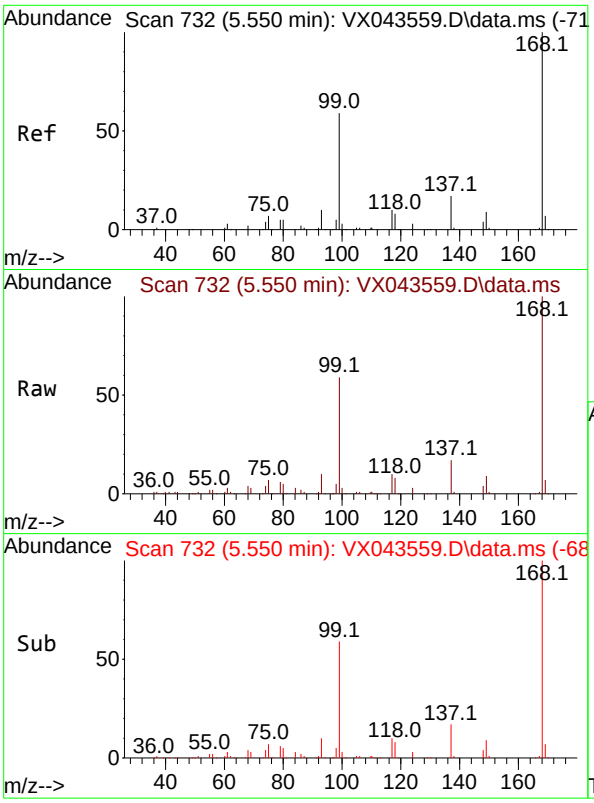
Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

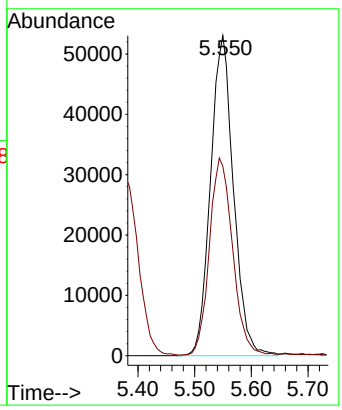




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:168 Resp: 14891

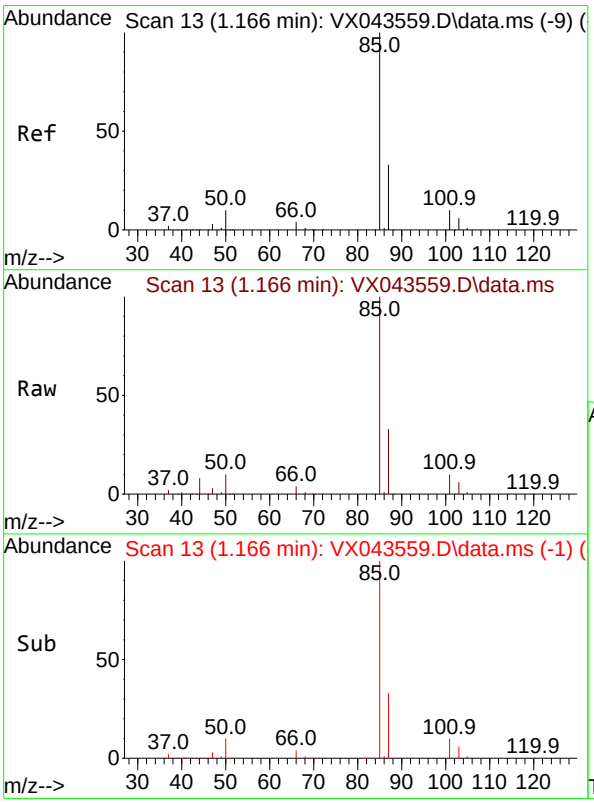
Ion	Ratio	Lower	Upper
168	100		
99	58.9	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

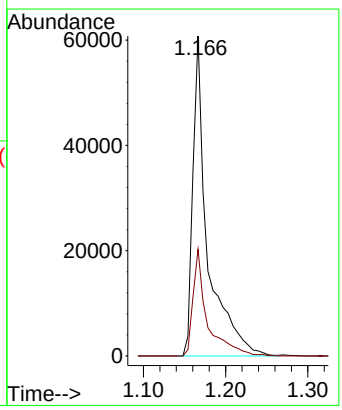
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

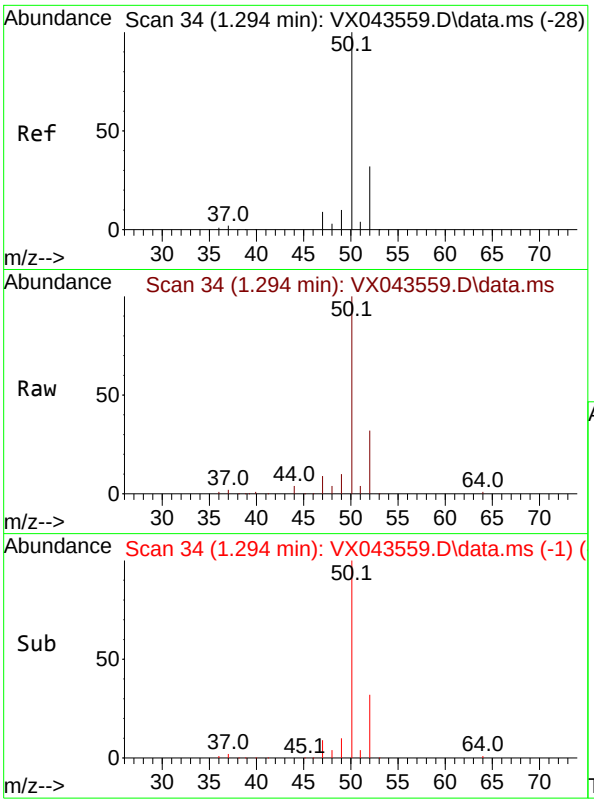


#2
Dichlorodifluoromethane
Concen: 45.433 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 85 Resp: 75417

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.7	47.0

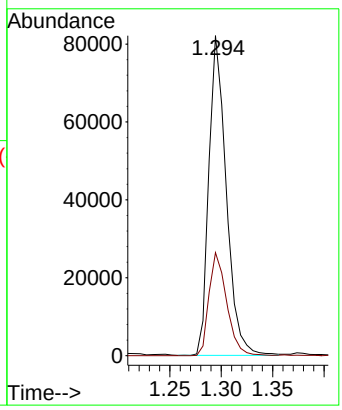




#3
Chloromethane
Concen: 45.755 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 50 Resp: 9689

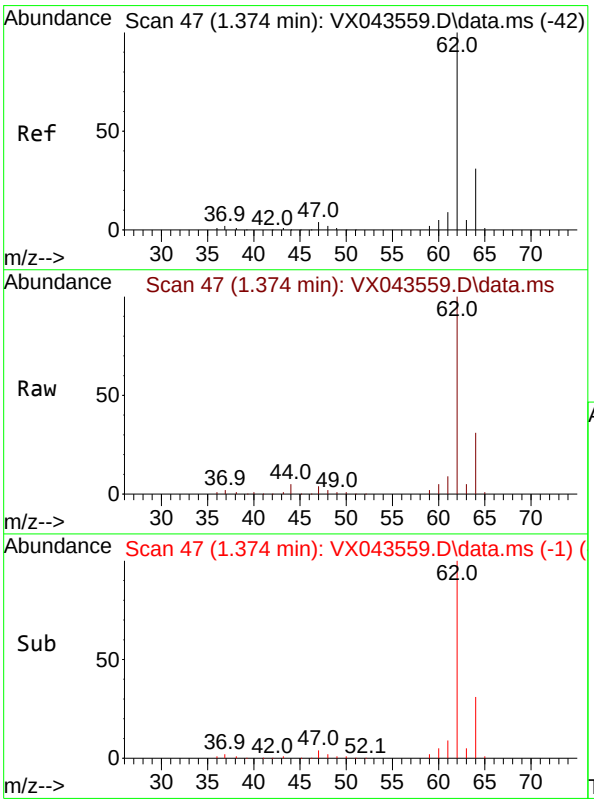
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

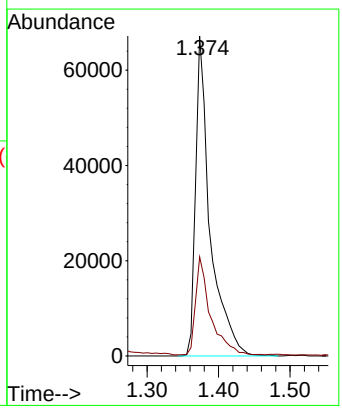
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

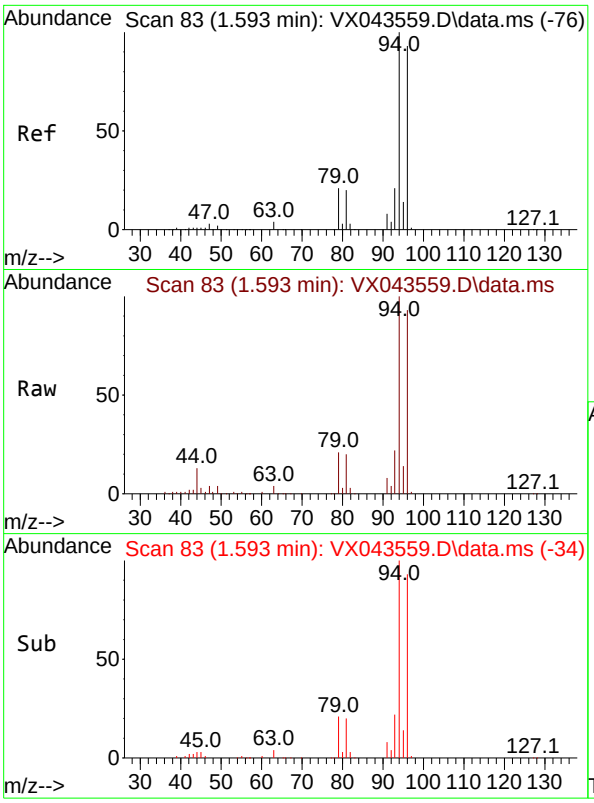


#4
Vinyl Chloride
Concen: 48.982 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 62 Resp: 94488

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.0	37.4

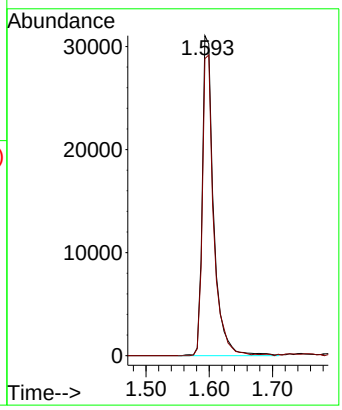




#5
Bromomethane
Concen: 51.722 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 94 Resp: 3896

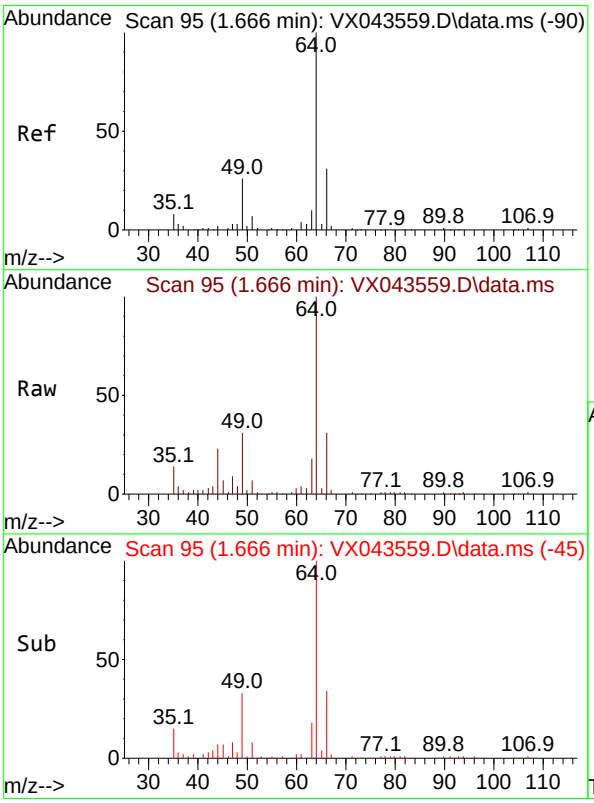
Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

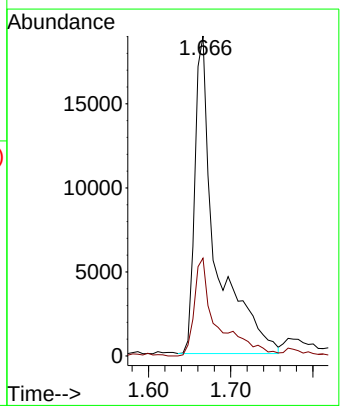
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

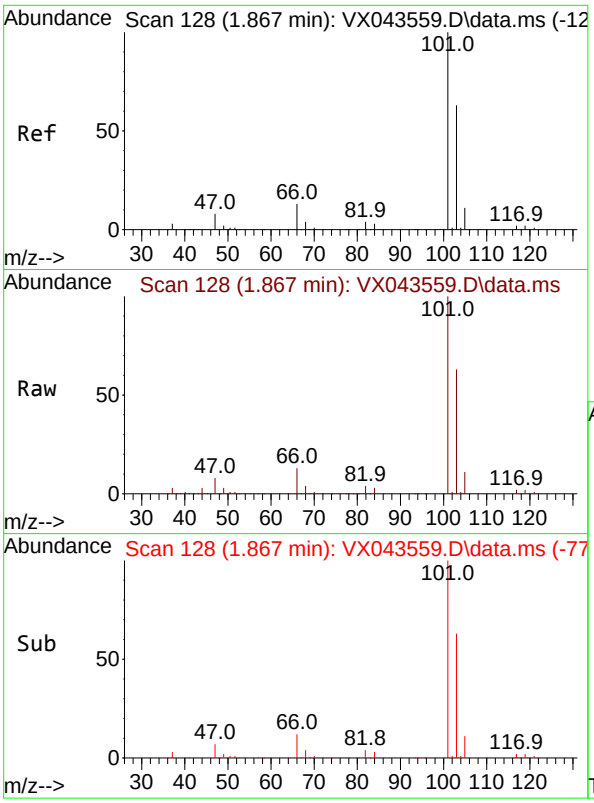


#6
Chloroethane
Concen: 53.137 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 64 Resp: 33540

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.1	37.7

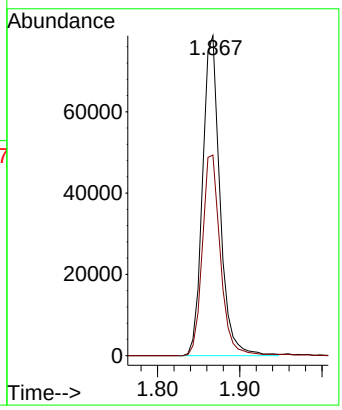




#7
Trichlorofluoromethane
Concen: 45.825 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:101 Resp: 11601

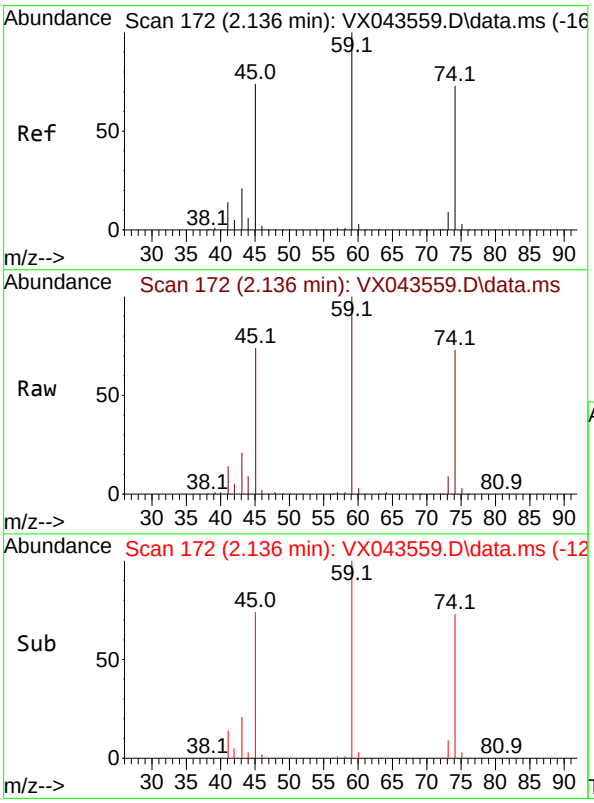
Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

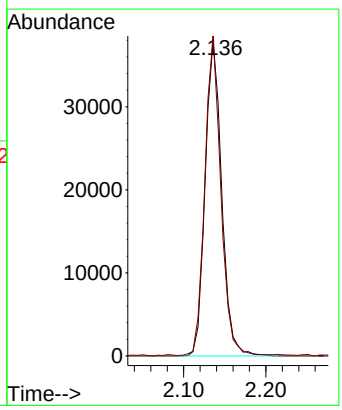
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

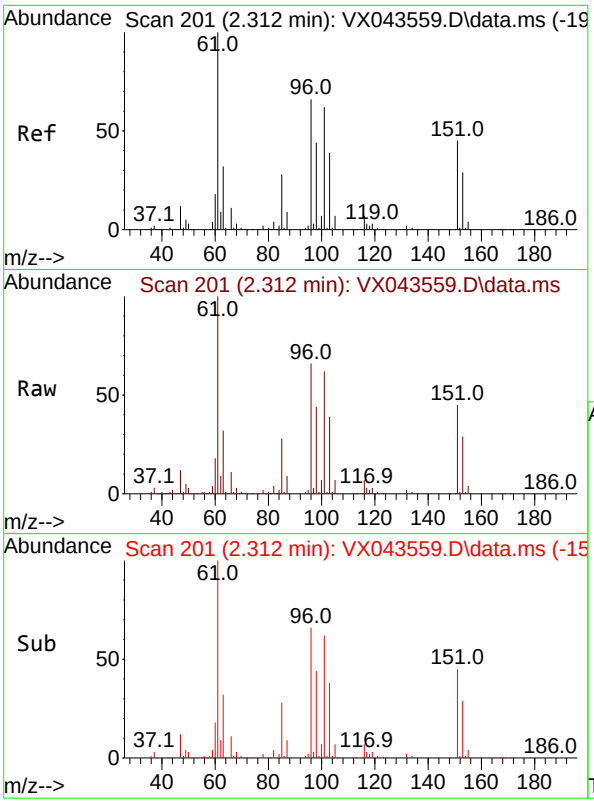


#8
Diethyl Ether
Concen: 47.871 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 74 Resp: 52937

Ion	Ratio	Lower	Upper
74	100		
45	98.1	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.932 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

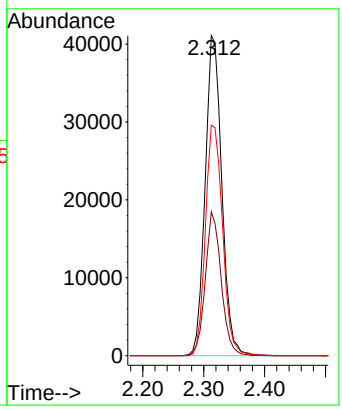
Tgt Ion:101 Resp: 7819

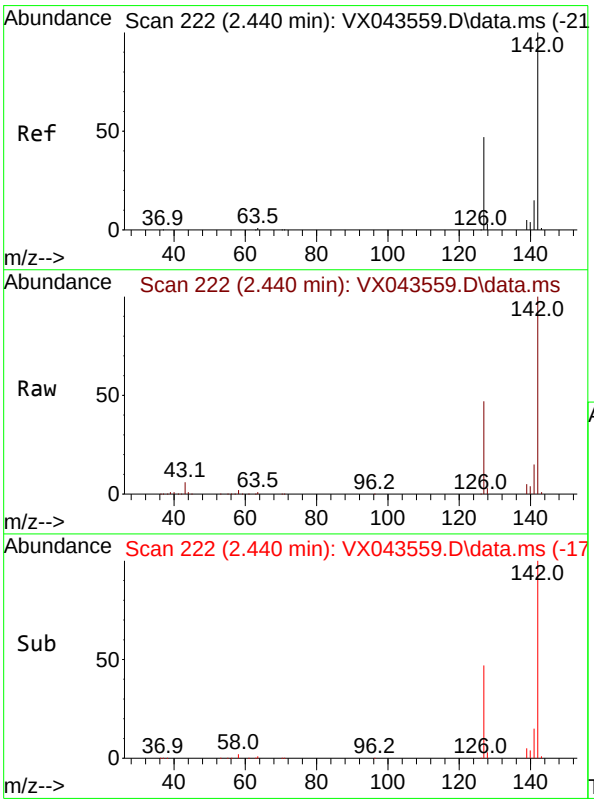
Ion	Ratio	Lower	Upper
101	100		
85	42.8	34.5	51.7
151	74.2	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

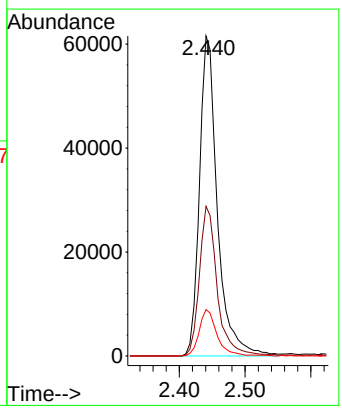


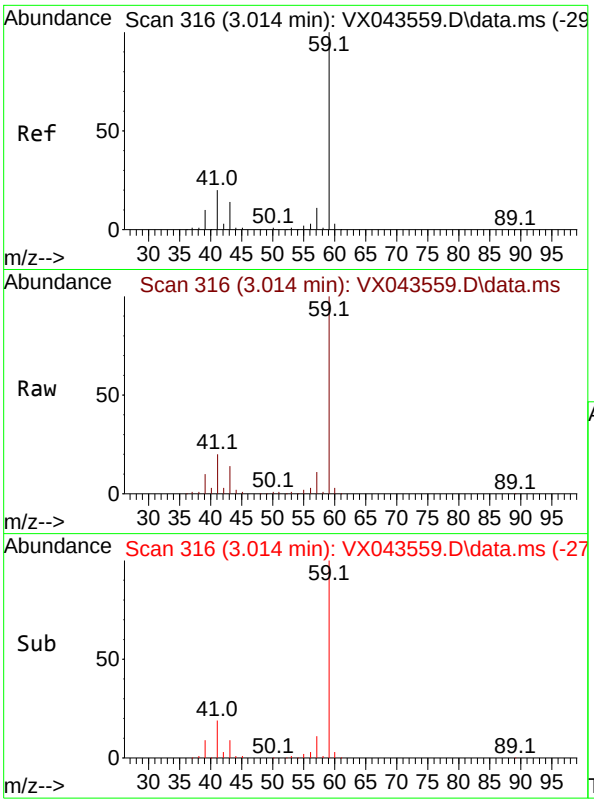


#10
Methyl Iodide
Concen: 52.655 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:142 Resp: 116521

Ion	Ratio	Lower	Upper
142	100		
127	46.8	38.2	57.4
141	14.5	11.5	17.3

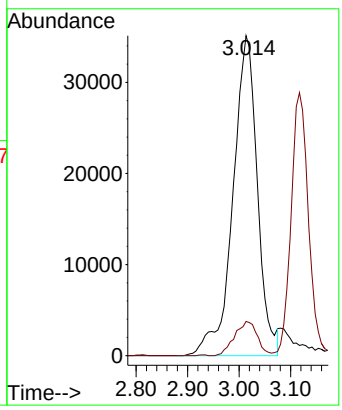




#11
Tert butyl alcohol
Concen: 230.069 ug/l m
RT: 3.014 min Scan# 3
Delta R.T. -0.037 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 59 Resp: 11608

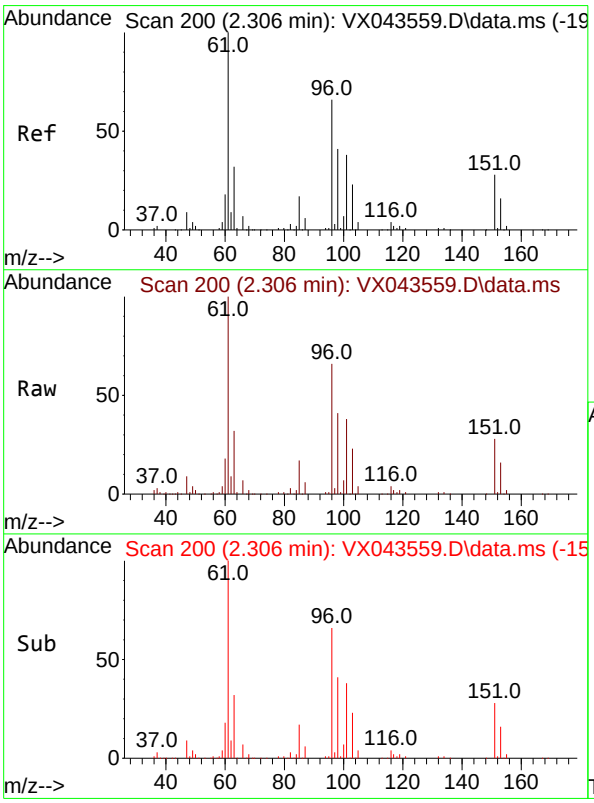
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

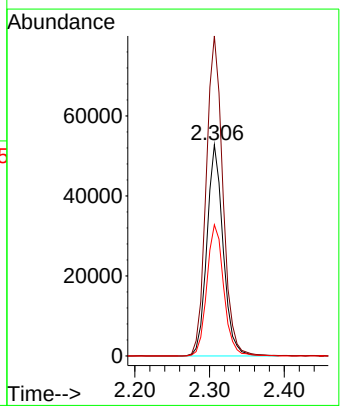
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

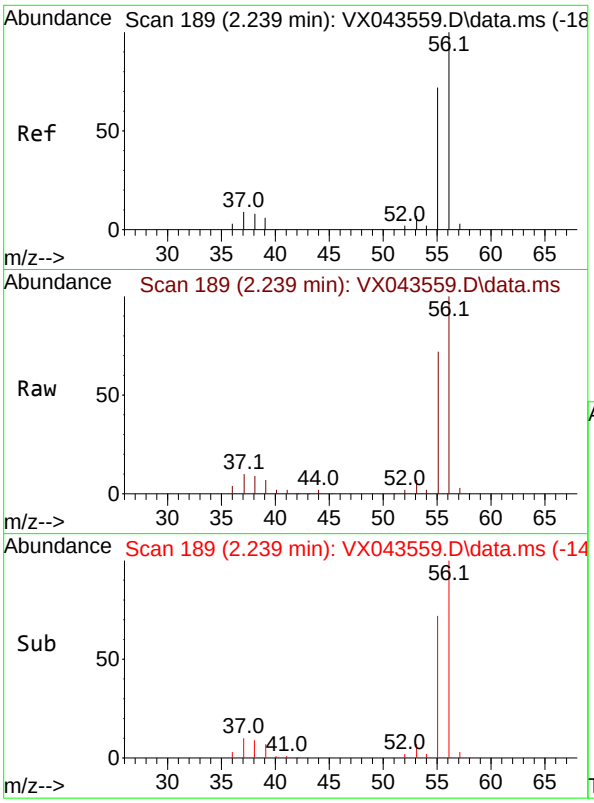


#12
1,1-Dichloroethene
Concen: 50.765 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 96 Resp: 79758

Ion	Ratio	Lower	Upper
96	100		
61	151.5	130.2	195.4
98	62.1	51.0	76.6





#13
Acrolein
Concen: 203.631 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

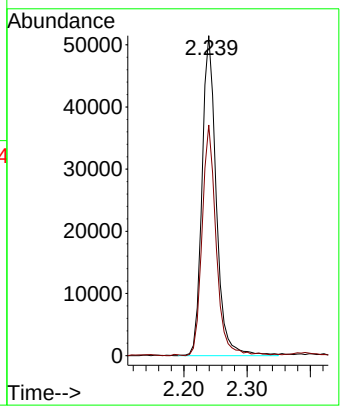
Tgt Ion: 56 Resp: 8096

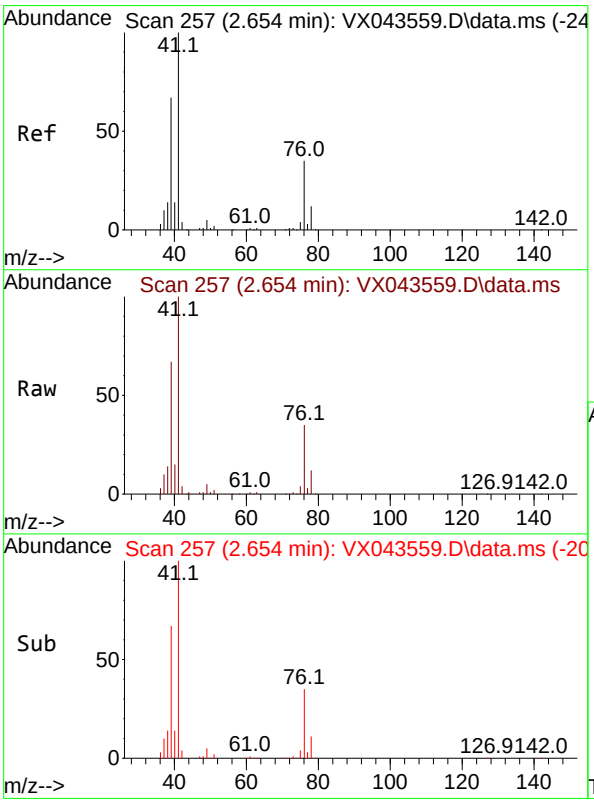
Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.3	82.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

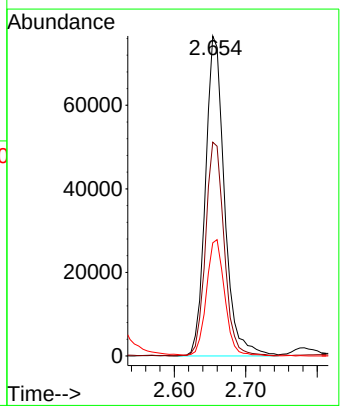


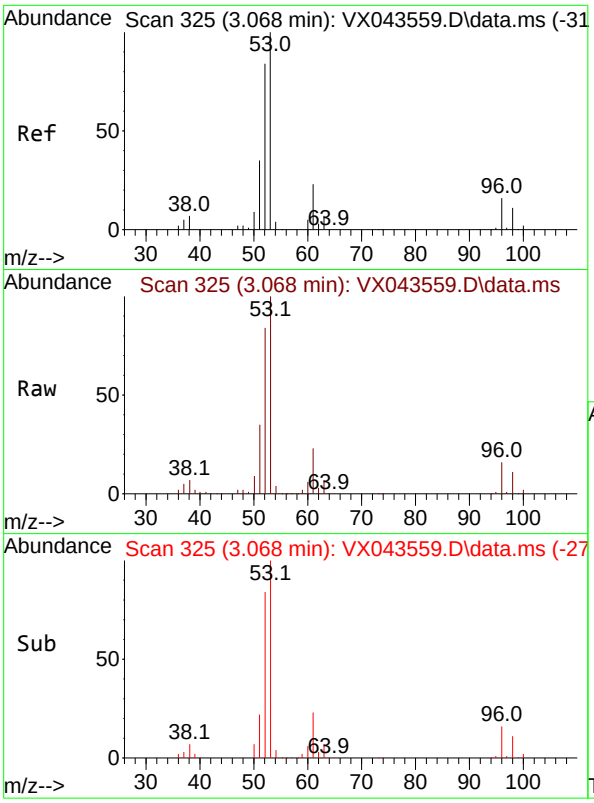


#14
Allyl chloride
Concen: 50.925 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 41 Resp: 141976

Ion	Ratio	Lower	Upper
41	100		
39	65.3	53.2	79.8
76	34.9	27.0	40.6

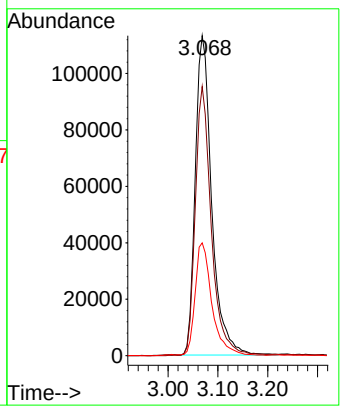




#15
Acrylonitrile
Concen: 232.022 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 53 Resp: 25932

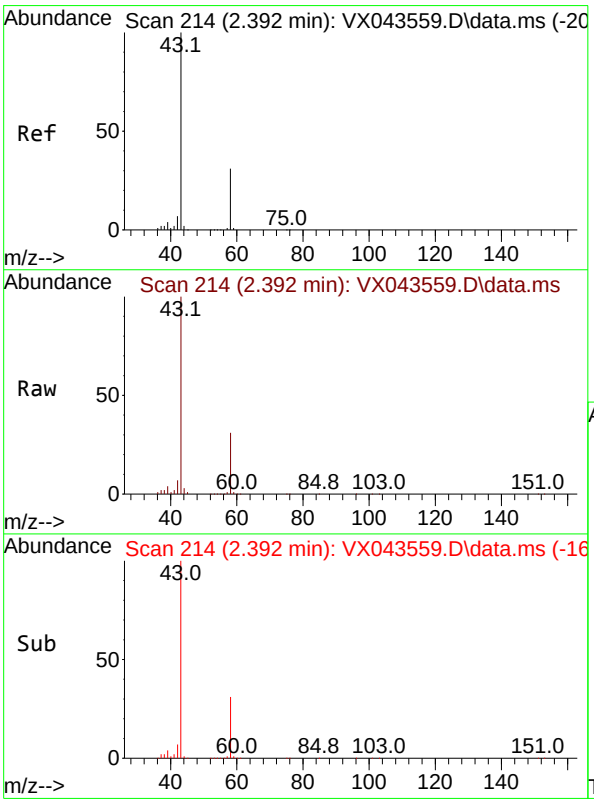
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	35.9	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

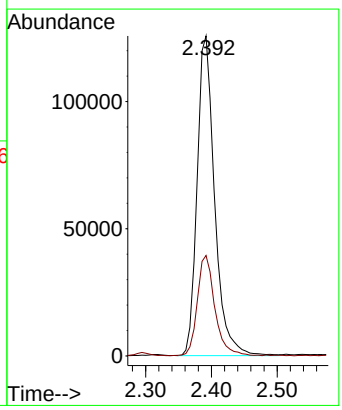
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

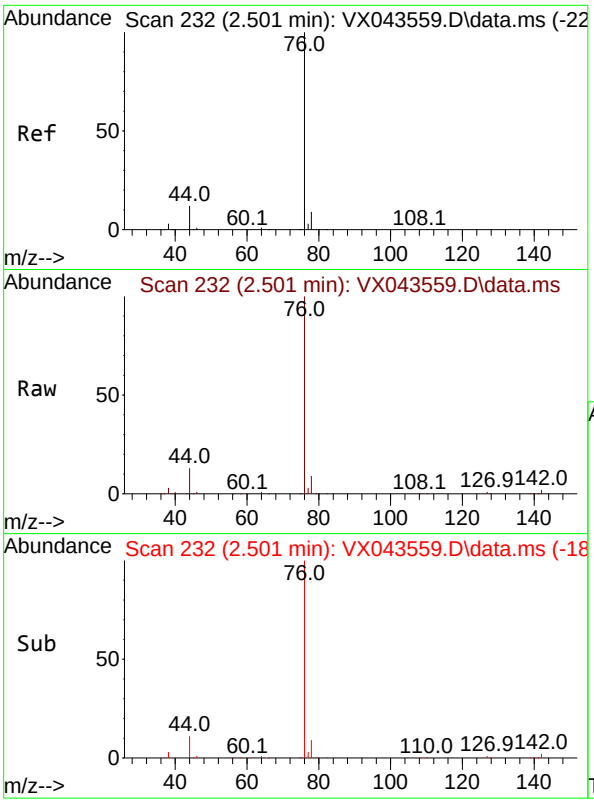


#16
Acetone
Concen: 230.659 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 232587

Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7

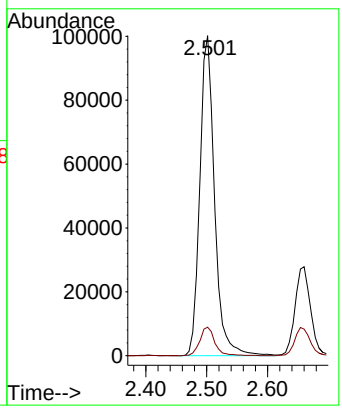




#17
Carbon Disulfide
Concen: 51.908 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 76 Resp: 16880

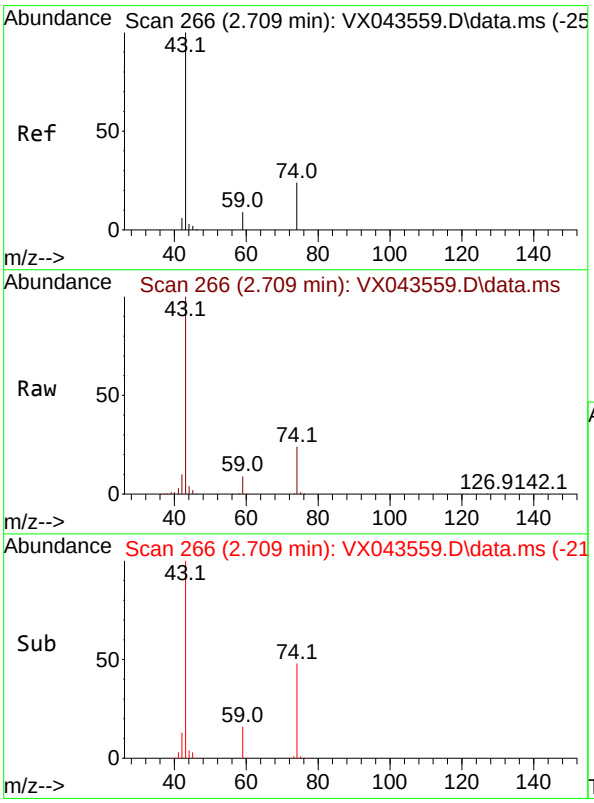
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

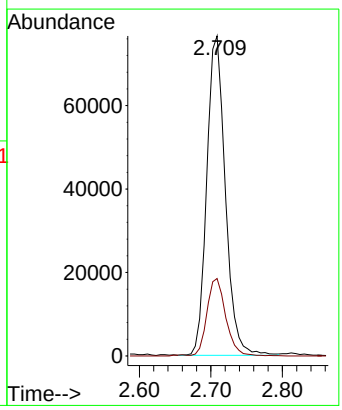
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

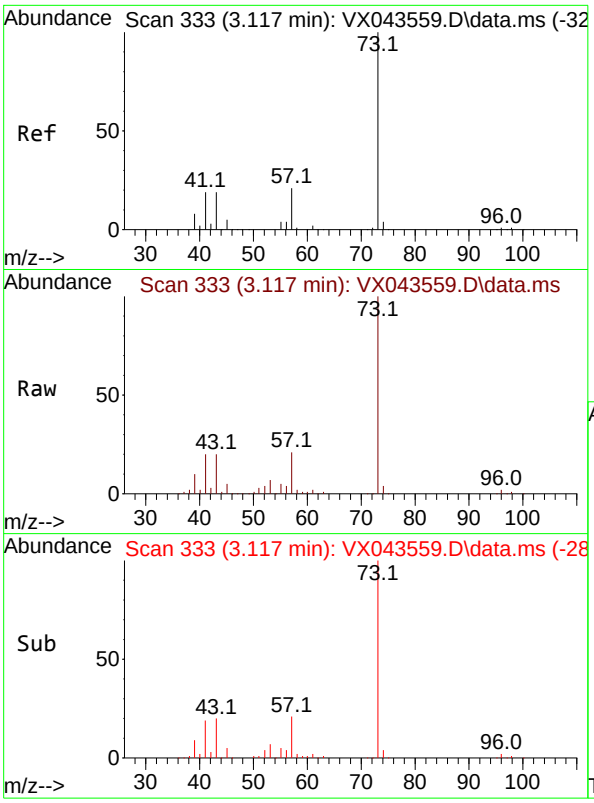


#18
Methyl Acetate
Concen: 45.505 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 137905

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.1	28.7

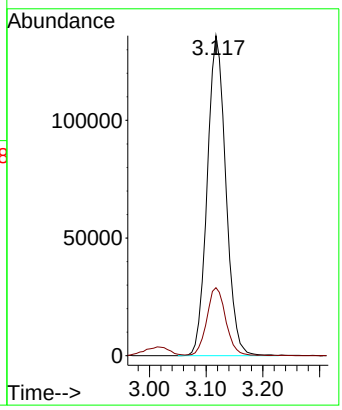




#19
Methyl tert-butyl Ether
Concen: 50.673 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 73 Resp: 30976

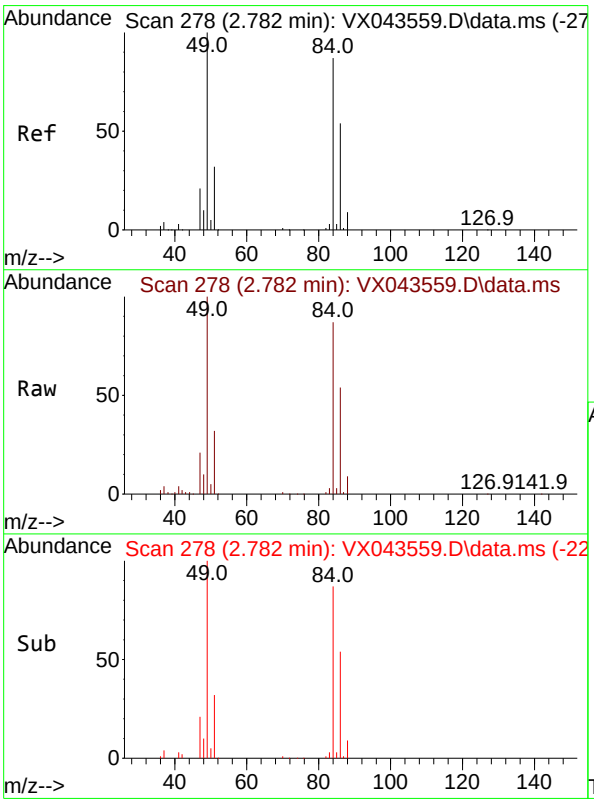
Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

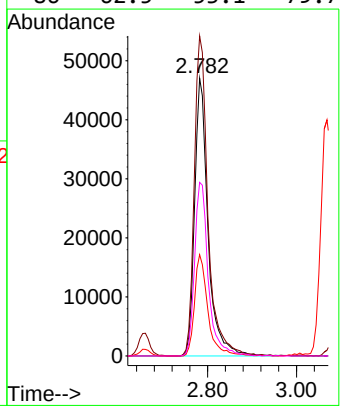
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

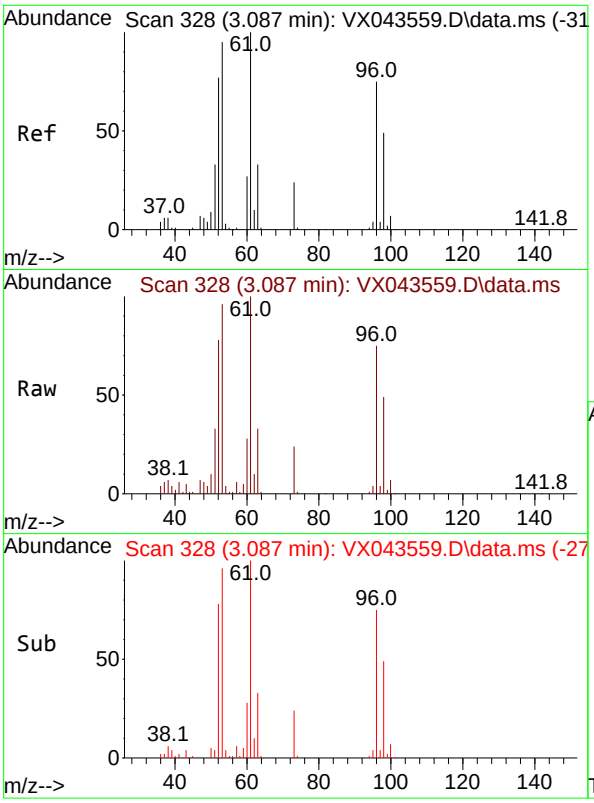


#20
Methylene Chloride
Concen: 50.086 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 84 Resp: 98700

Ion	Ratio	Lower	Upper
84	100		
49	115.2	97.0	145.6
51	36.5	29.8	44.8
86	62.5	53.1	79.7

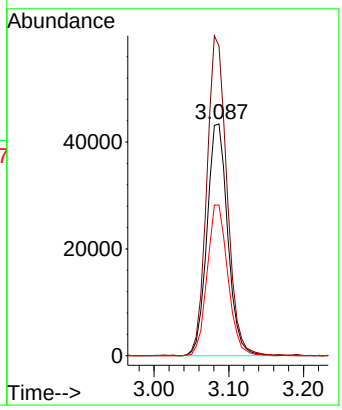




#21
trans-1,2-Dichloroethene
Concen: 49.229 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 96 Resp: 8373

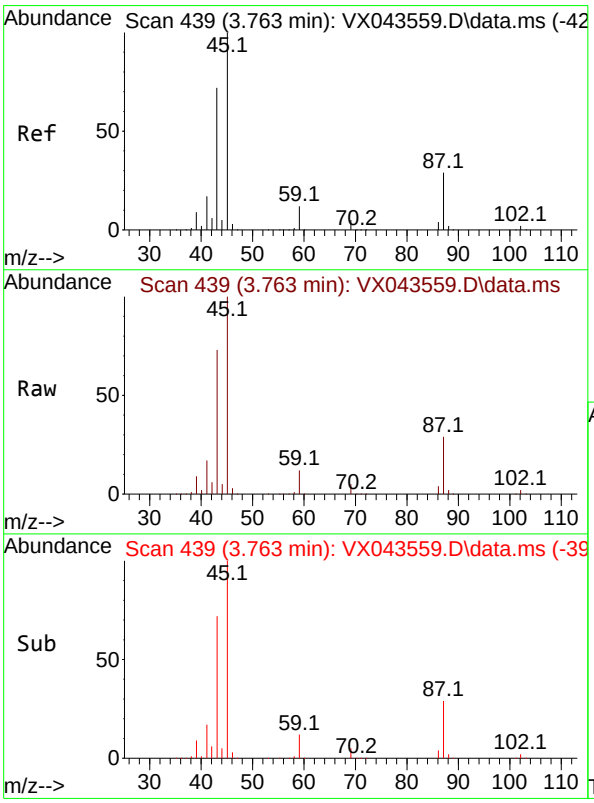
Ion	Ratio	Lower	Upper
96	100		
61	133.6	107.1	160.7
98	65.0	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

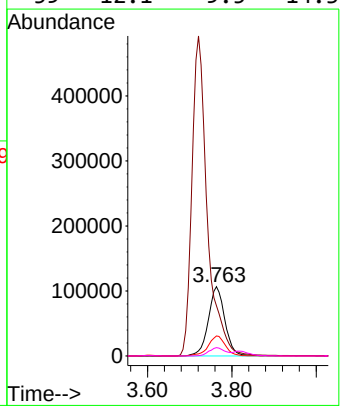
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

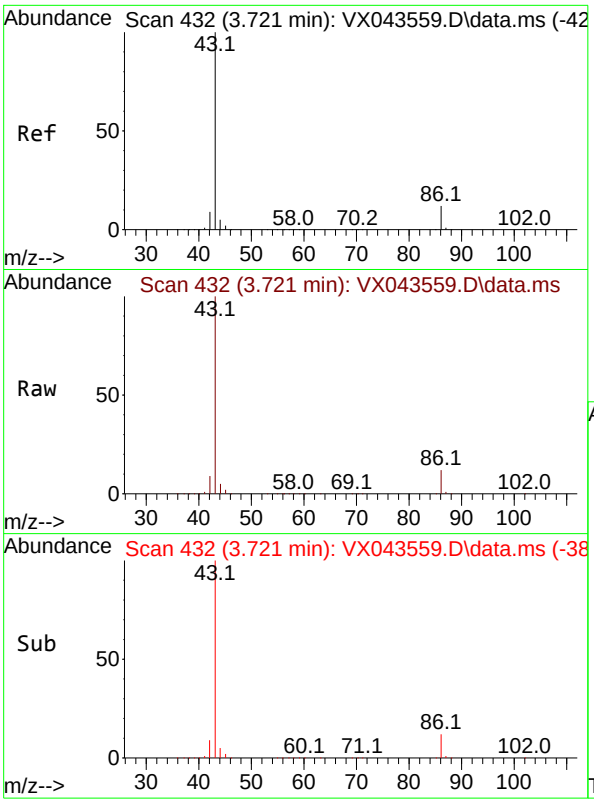


#22
Diisopropyl ether
Concen: 50.487 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 45 Resp: 290506

Ion	Ratio	Lower	Upper
45	100		
43	72.4	60.6	90.8
87	28.9	22.0	33.0
59	12.1	9.5	14.3





#23
Vinyl Acetate
Concen: 264.336 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

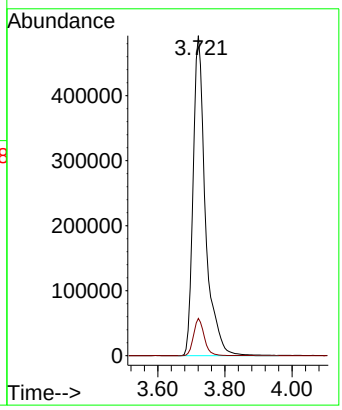
Tgt Ion: 43 Resp: 125655

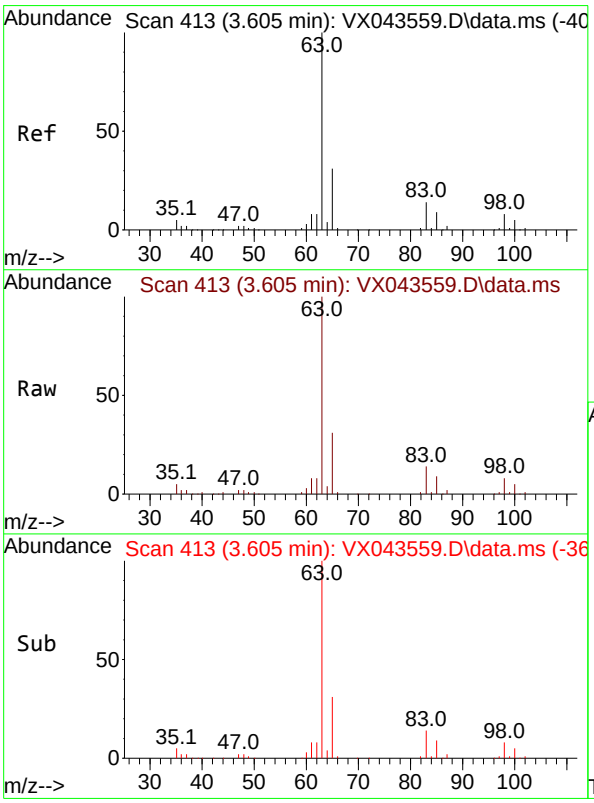
Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

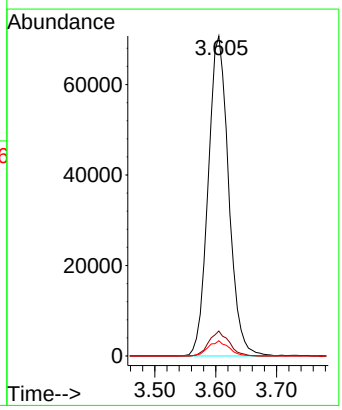


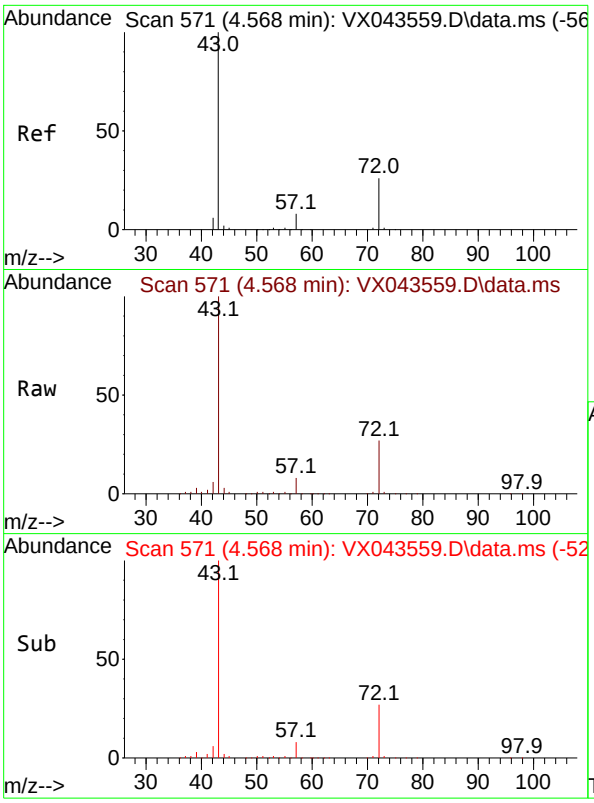


#24
1,1-Dichloroethane
Concen: 50.903 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 63 Resp: 165218

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.5	10.4
100	4.8	2.4	7.2





#25
2-Butanone
Concen: 234.753 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

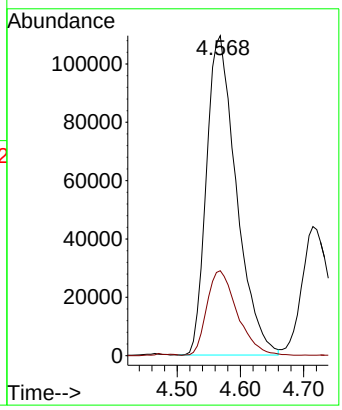
Tgt Ion: 43 Resp: 35952

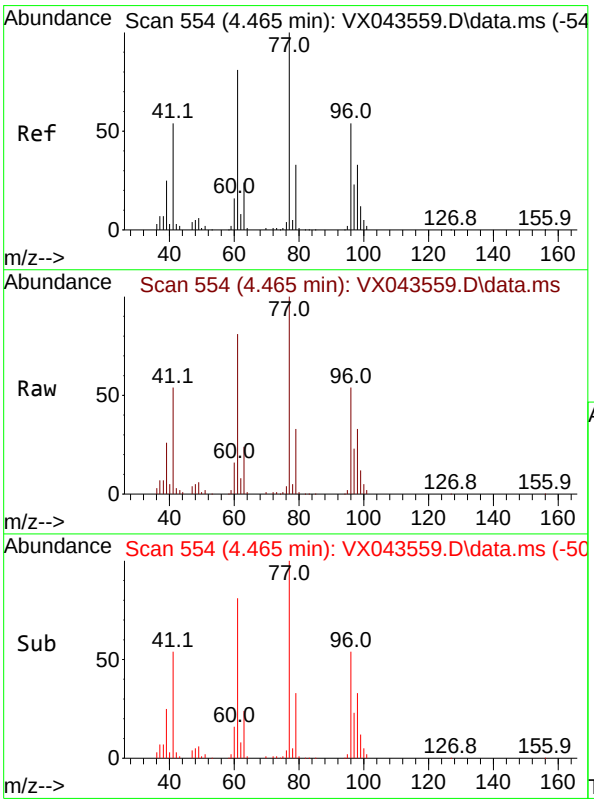
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.1	31.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

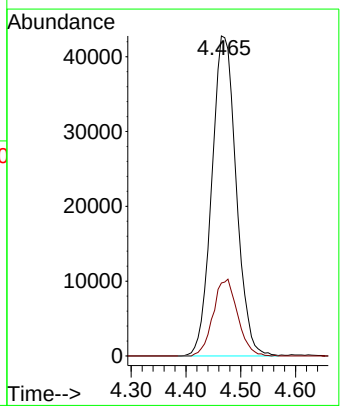


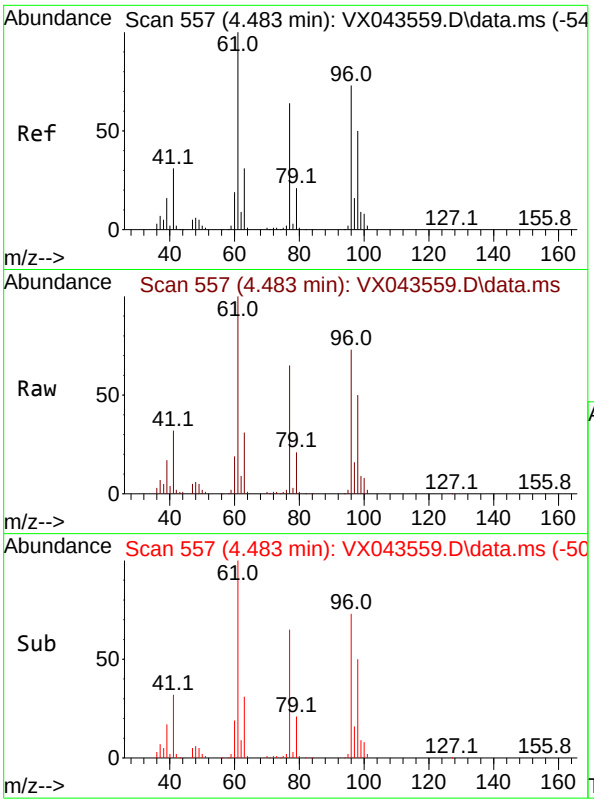


#26
2,2-Dichloropropane
Concen: 56.613 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 77 Resp: 132434

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.8

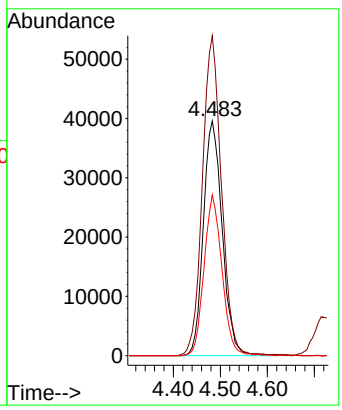




#27
cis-1,2-Dichloroethene
Concen: 51.979 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 96 Resp: 11015

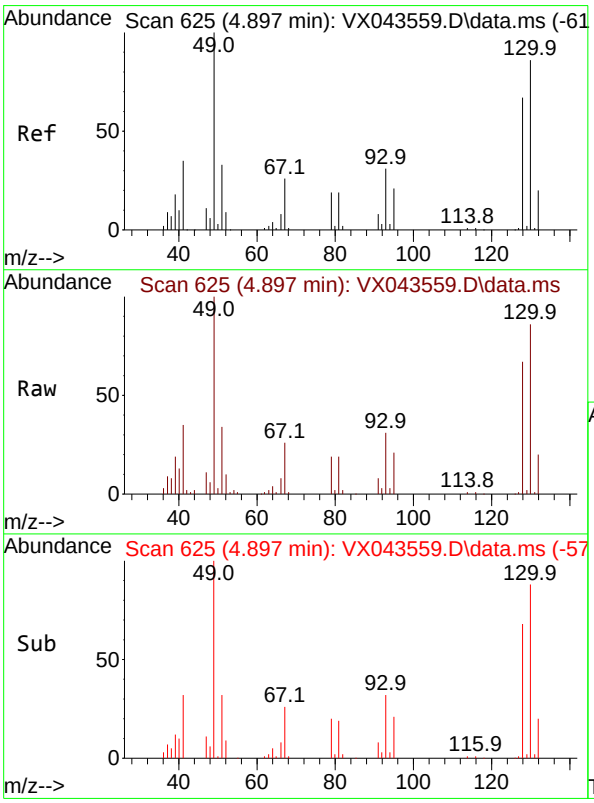
Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	277.2
98	65.0	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

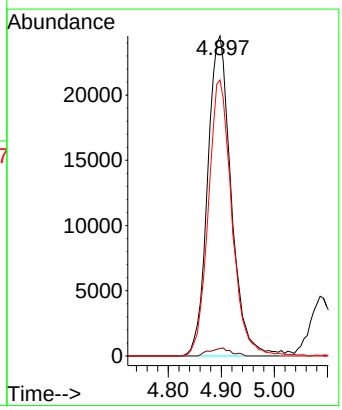
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

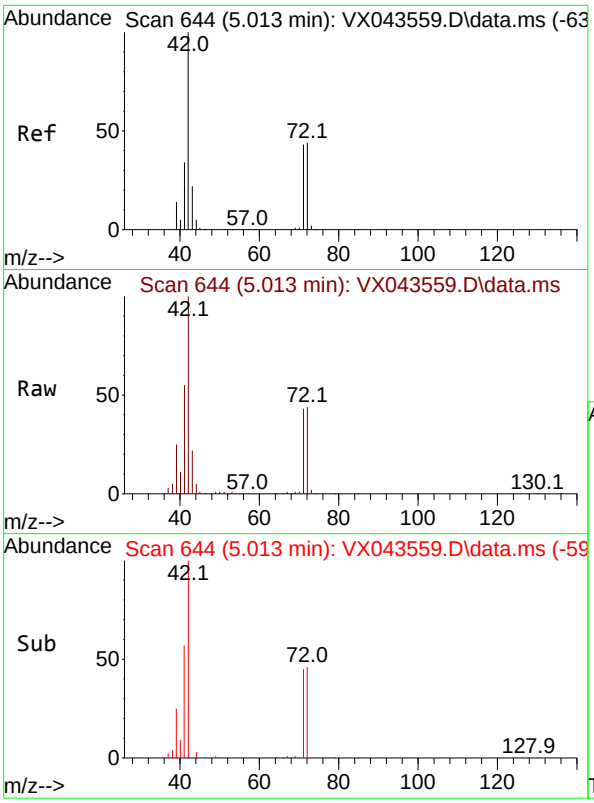


#28
Bromochloromethane
Concen: 47.042 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 49 Resp: 75534

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.3	67.8	101.8

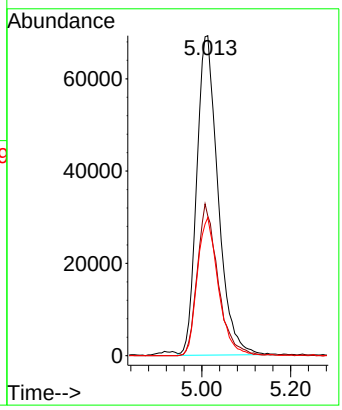




#29
Tetrahydrofuran
Concen: 230.617 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 42 Resp: 23061(

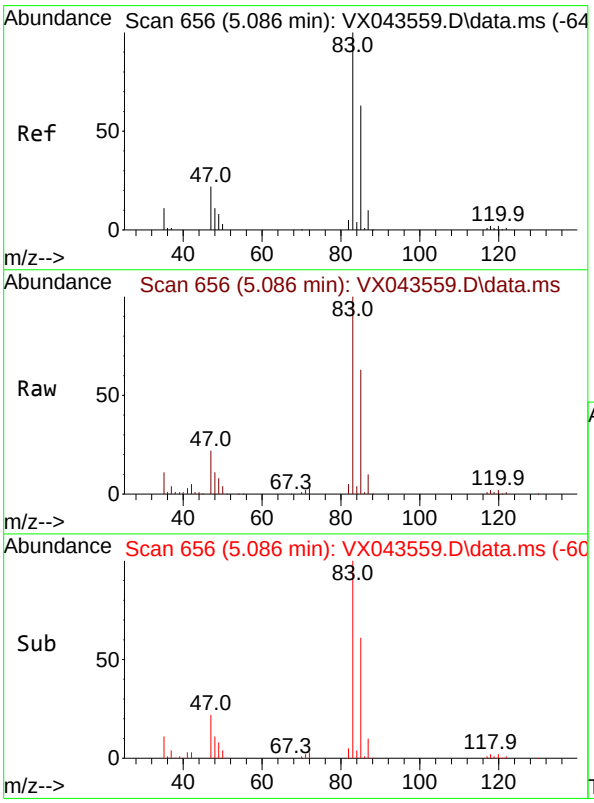
Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.6	55.0
71	42.9	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

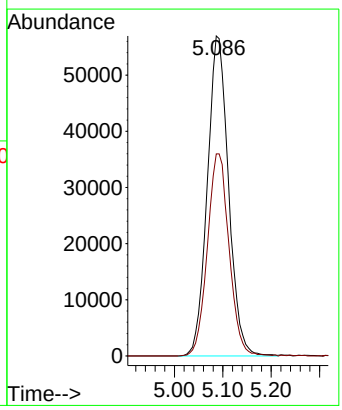
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

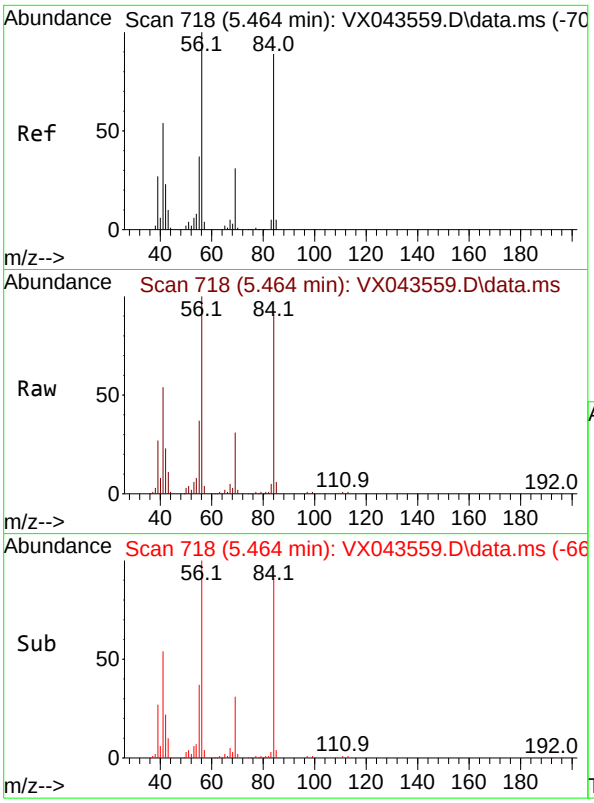


#30
Chloroform
Concen: 49.905 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 83 Resp: 173217

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.4





#31
Cyclohexane
Concen: 48.500 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

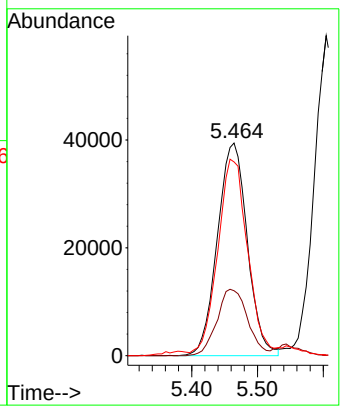
Tgt Ion: 56 Resp: 12489

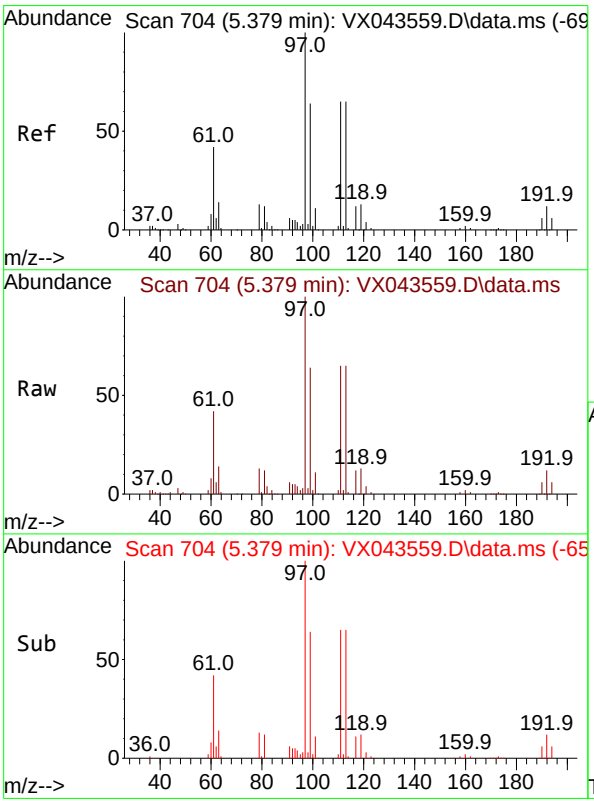
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.9	37.3
84	89.0	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

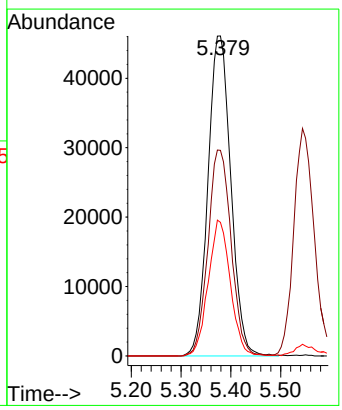


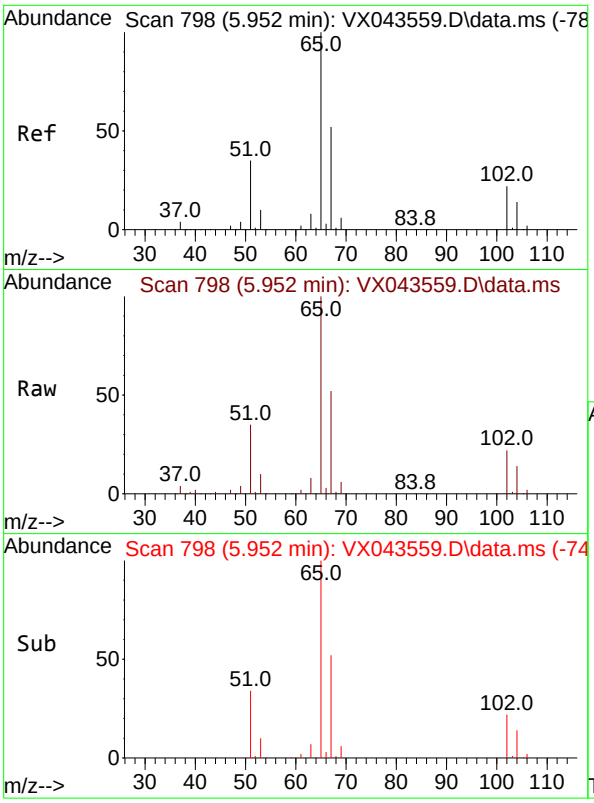


#32
1,1,1-Trichloroethane
Concen: 50.355 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 97 Resp: 146876

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	41.1	34.0	51.0

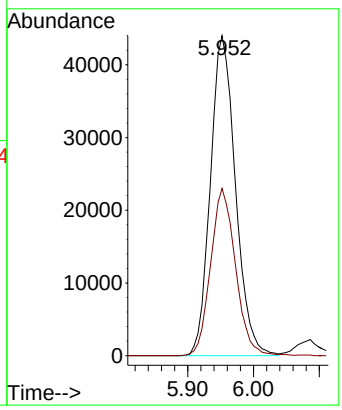




#33
1,2-Dichloroethane-d4
Concen: 49.466 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 65 Resp: 11685

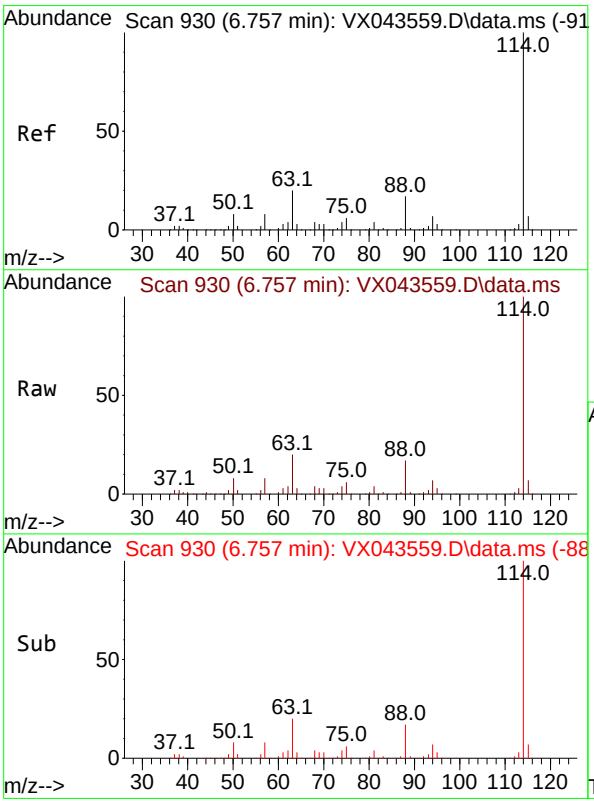
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

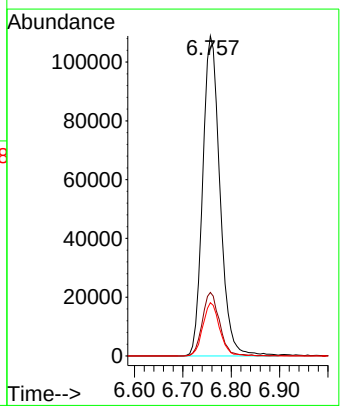
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

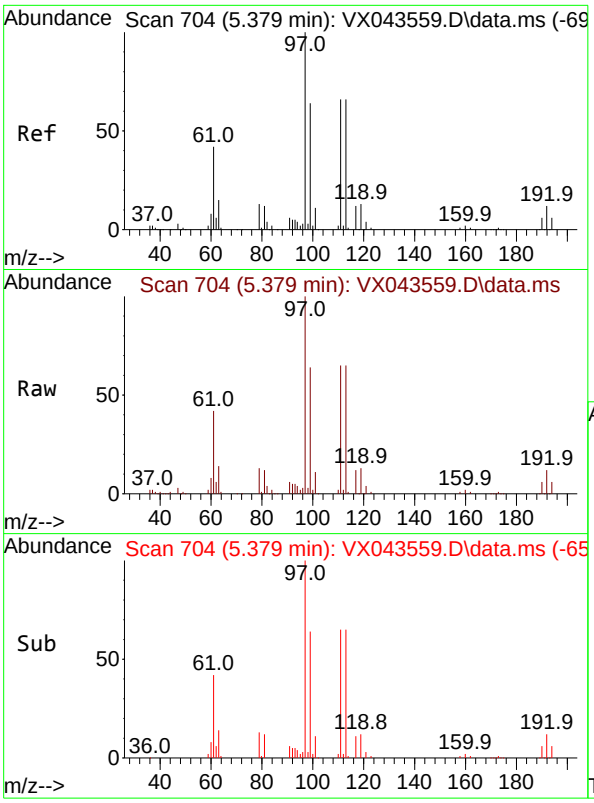


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:114 Resp: 270771

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.2
88	16.6	0.0	34.0

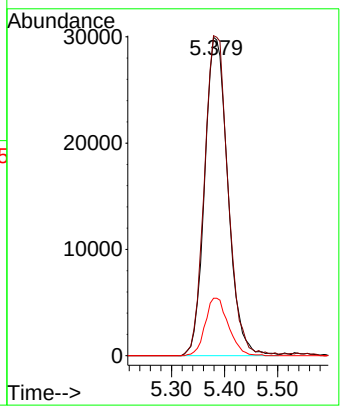




#35
Dibromofluoromethane
Concen: 50.516 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:113 Resp: 9107

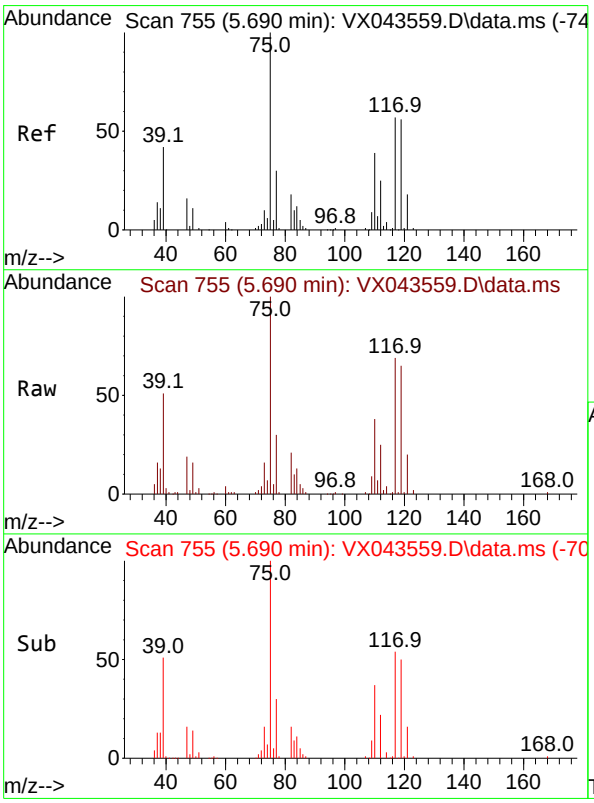
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	18.0	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

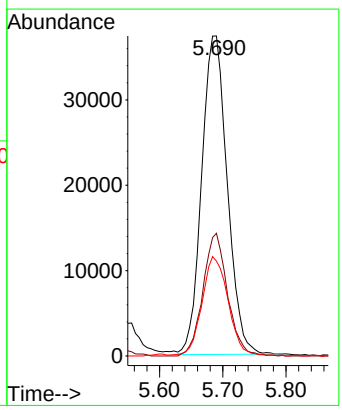
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

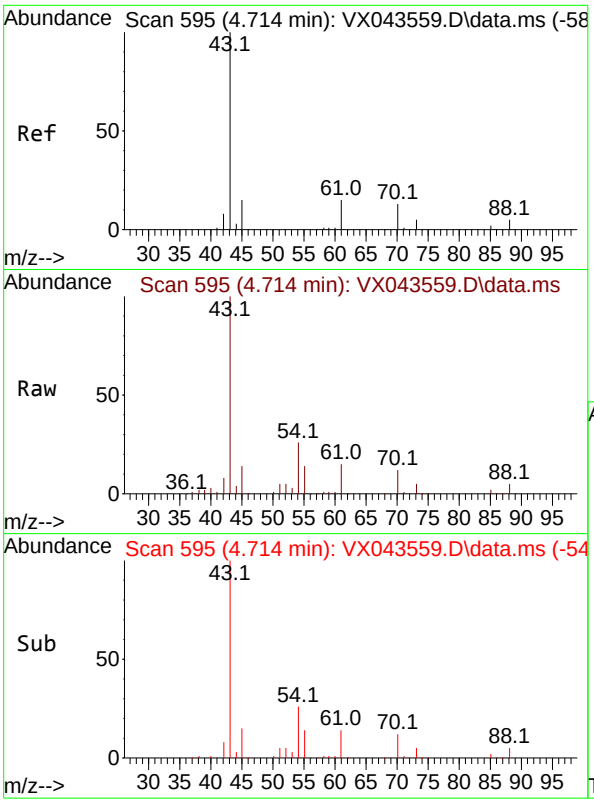


#36
1,1-Dichloropropene
Concen: 49.233 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 105059

Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.9	53.7
77	31.9	25.0	37.4

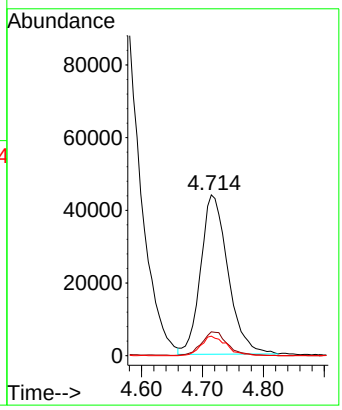




#37
Ethyl Acetate
Concen: 47.008 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 13690

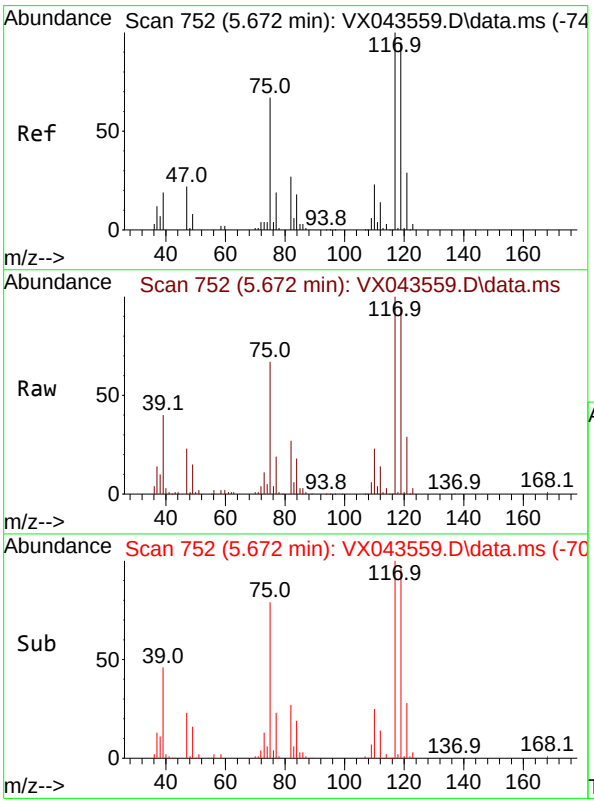
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	11.5	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

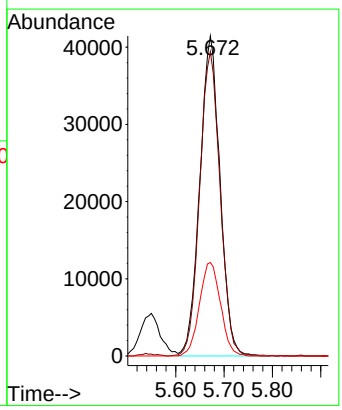
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

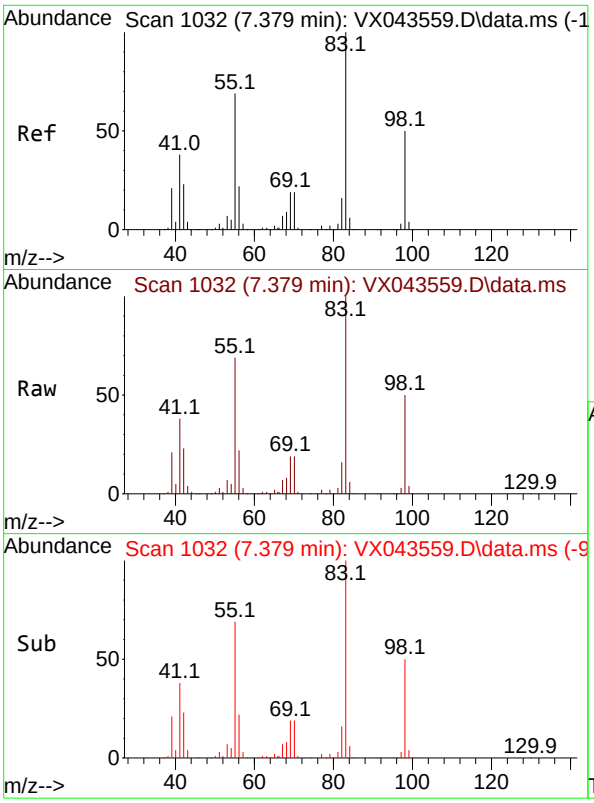


#38
Carbon Tetrachloride
Concen: 49.620 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:117 Resp: 120318

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
121	29.2	24.7	37.1

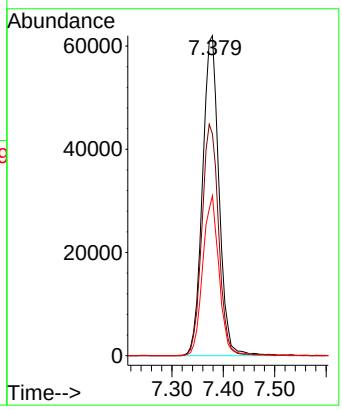




#39
Methylcyclohexane
Concen: 50.451 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 83 Resp: 13806

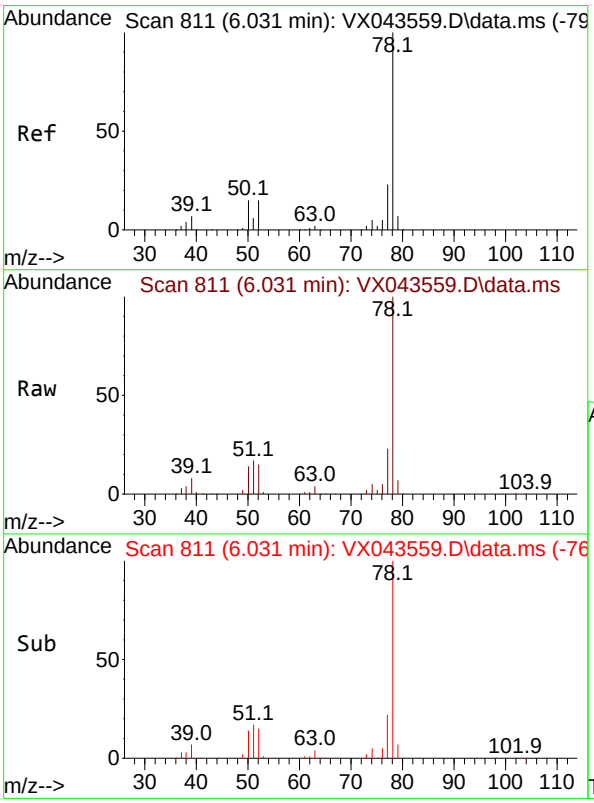
Ion	Ratio	Lower	Upper
83	100		
55	69.2	59.9	89.9
98	50.0	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

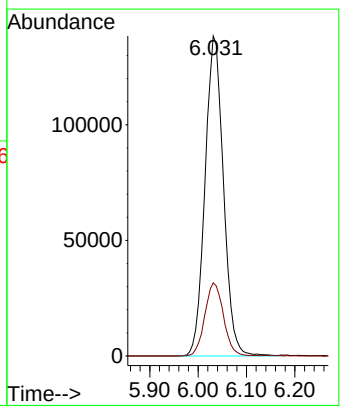
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

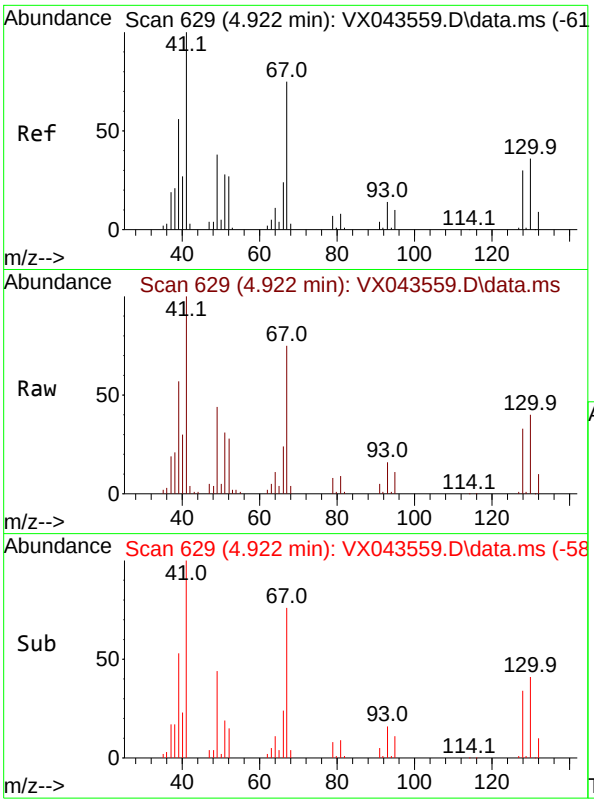


#40
Benzene
Concen: 51.436 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 78 Resp: 366906

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6

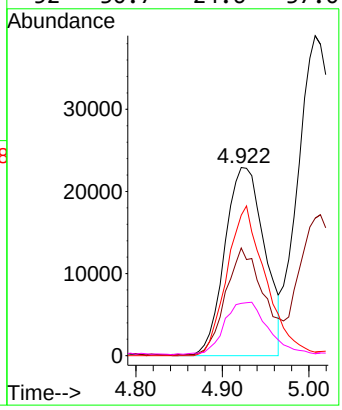




#41
Methacrylonitrile
Concen: 50.034 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 41 Resp: 7329

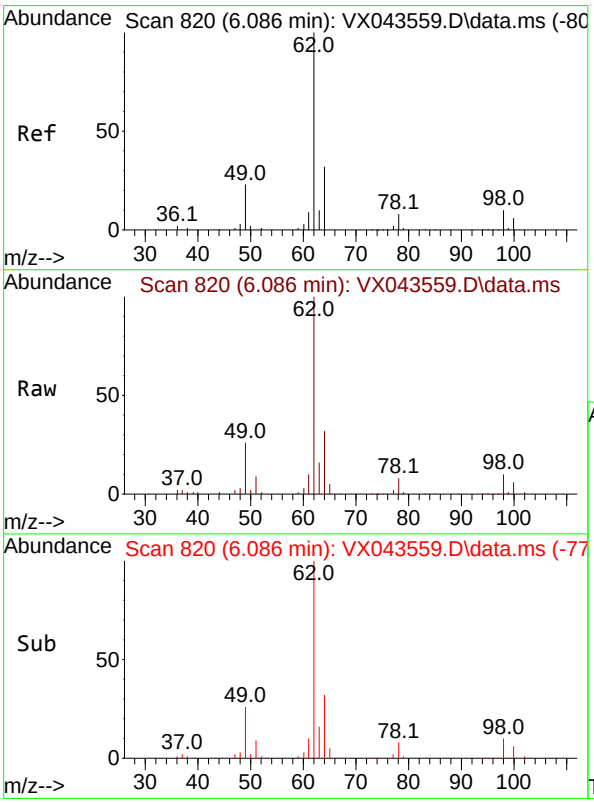
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.5	65.3
67	78.4	58.3	87.5
52	30.7	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

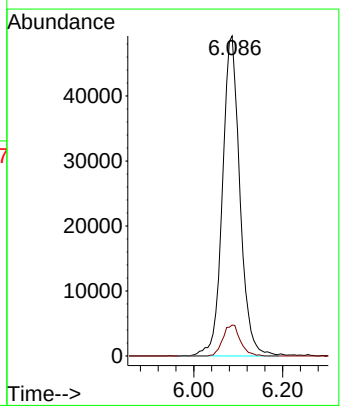
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

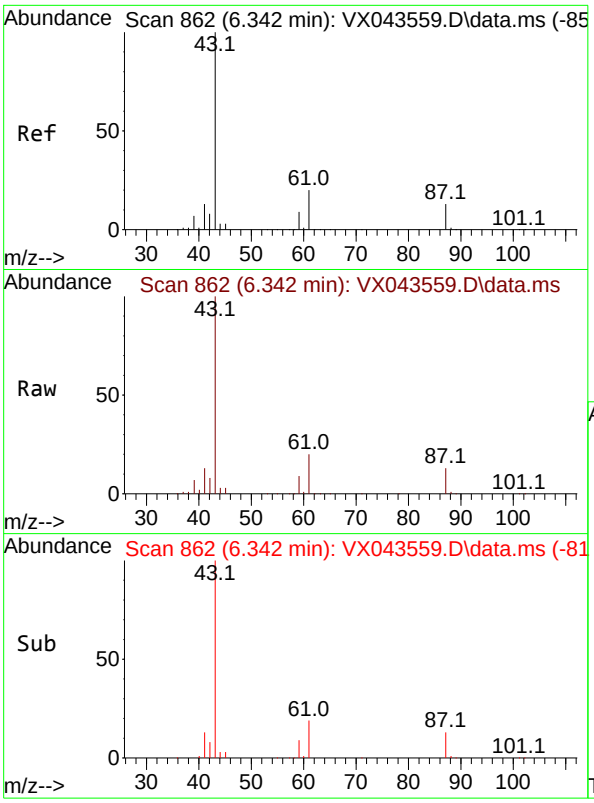


#42
1,2-Dichloroethane
Concen: 51.050 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 62 Resp: 133953

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8

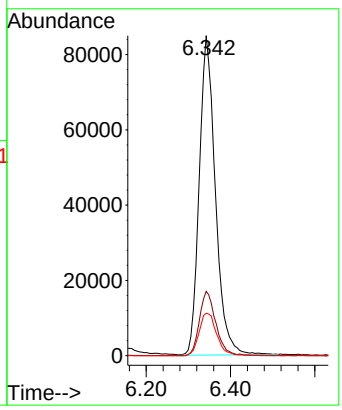




#43
Isopropyl Acetate
Concen: 49.127 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 22632

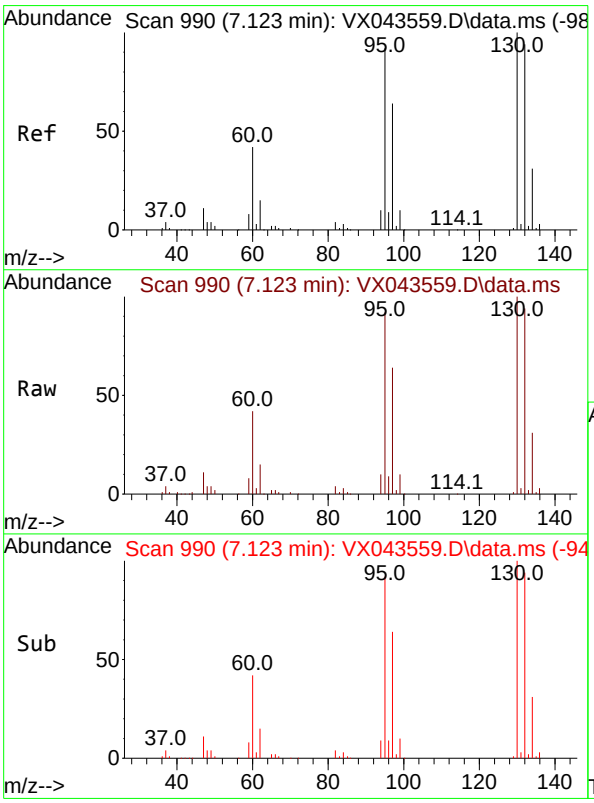
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.2	24.4
87	14.5	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

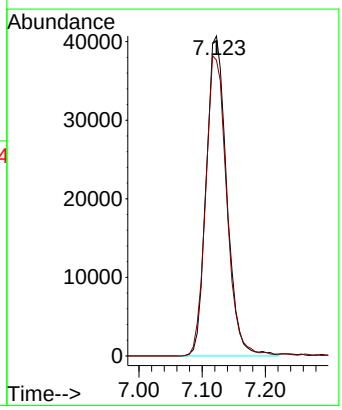
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

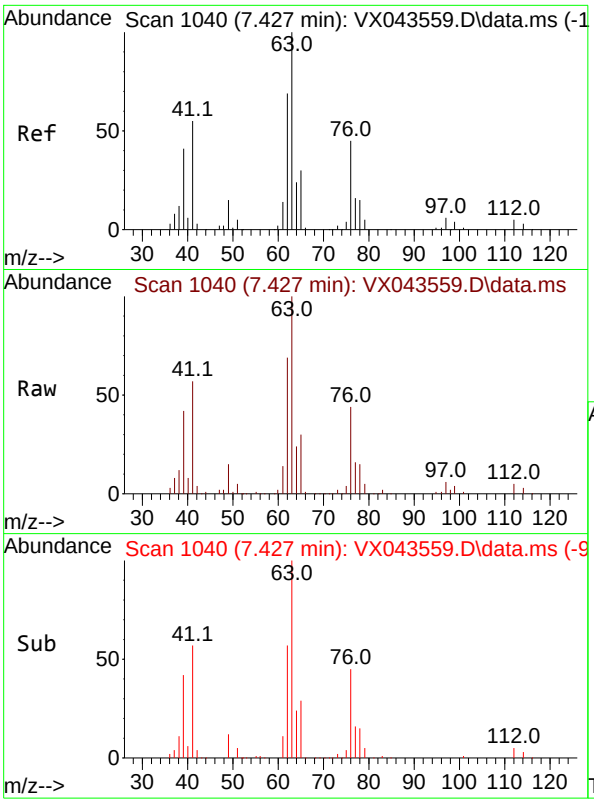


#44
Trichloroethene
Concen: 54.057 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:130 Resp: 91422

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	202.6

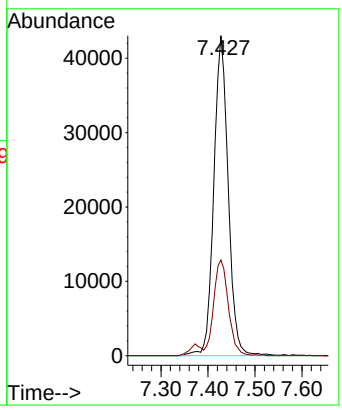




#45
1,2-Dichloropropane
Concen: 52.464 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 63 Resp: 9138

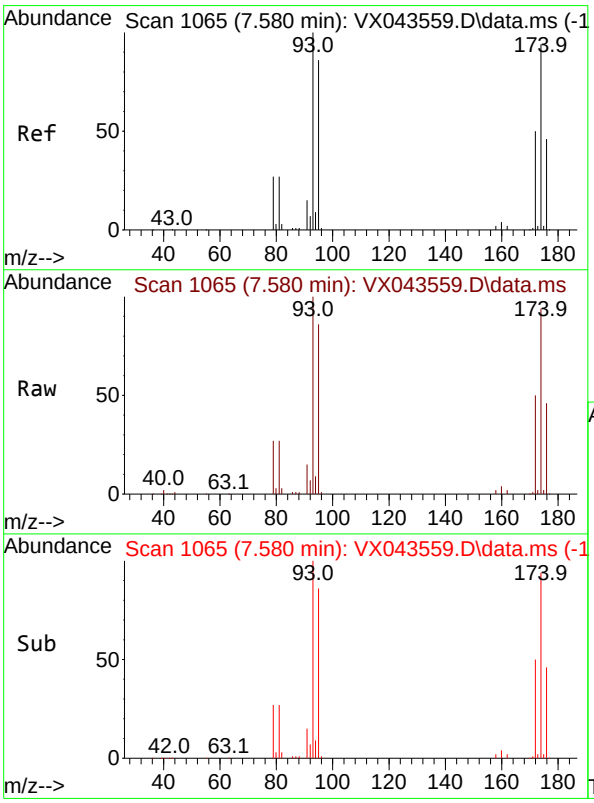
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

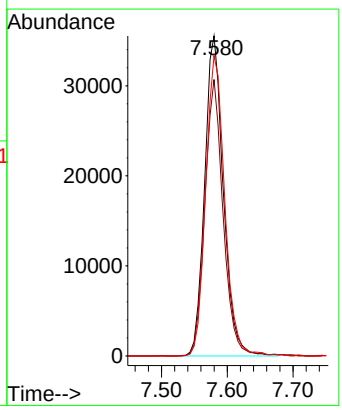
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

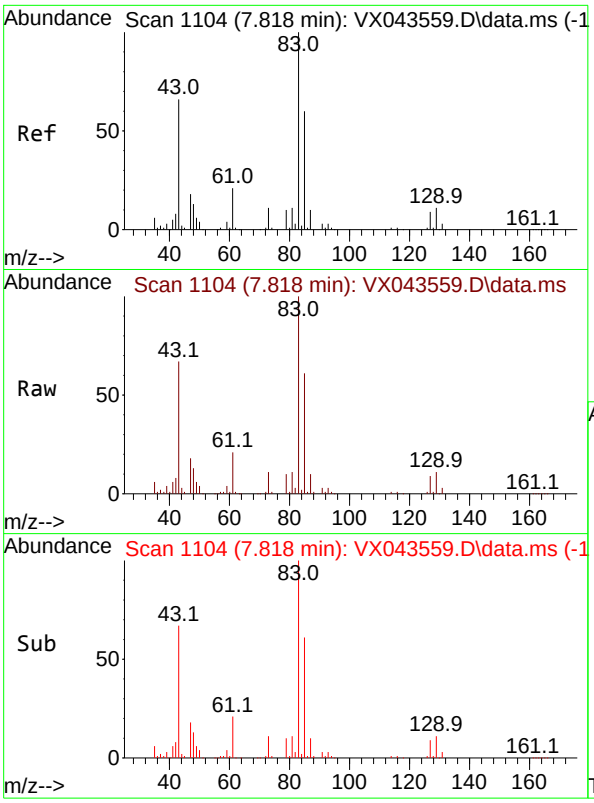


#46
Dibromomethane
Concen: 52.600 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 93 Resp: 70386

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	95.7	75.0	112.4

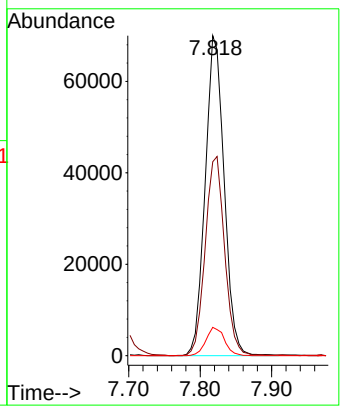




#47
Bromodichloromethane
Concen: 54.350 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 83 Resp: 12902

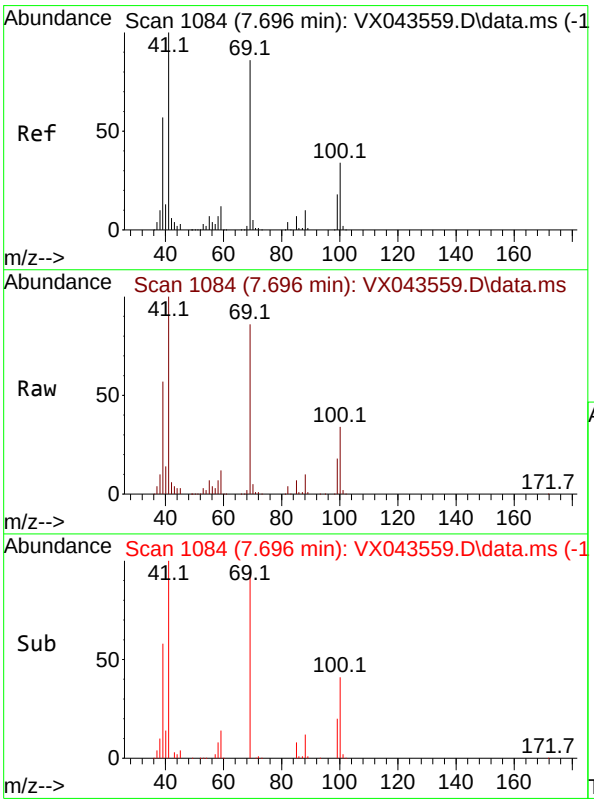
Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.2	78.4
127	8.8	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

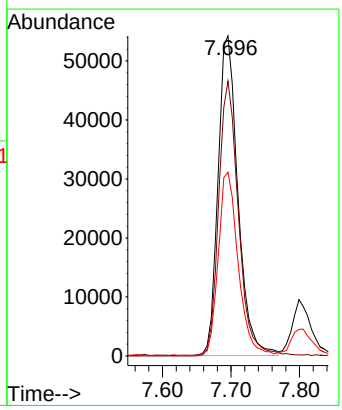
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

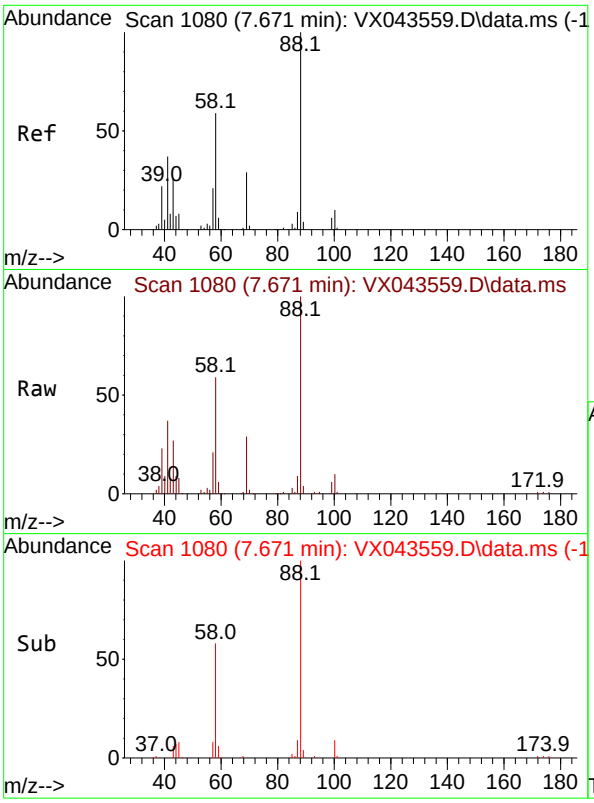


#48
Methyl methacrylate
Concen: 50.670 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 41 Resp: 108981

Ion	Ratio	Lower	Upper
41	100		
69	85.9	67.7	101.5
39	57.2	46.3	69.5

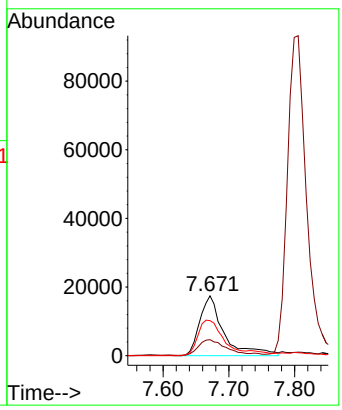




#49
1,4-Dioxane
Concen: 805.596 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 88 Resp: 4451

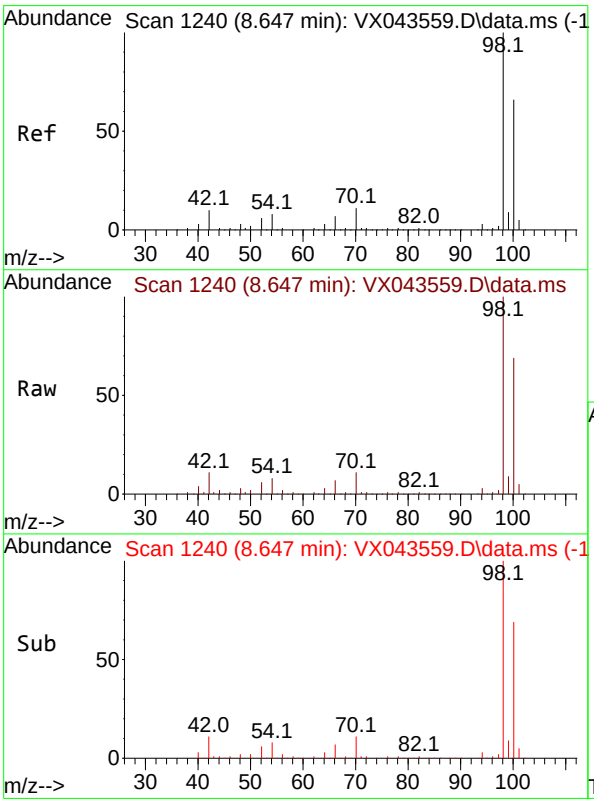
Ion	Ratio	Lower	Upper
88	100		
43	29.4	25.3	37.9
58	61.5	53.9	80.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

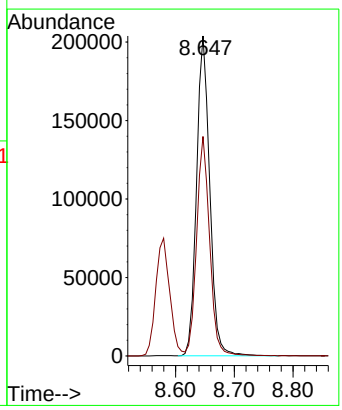
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

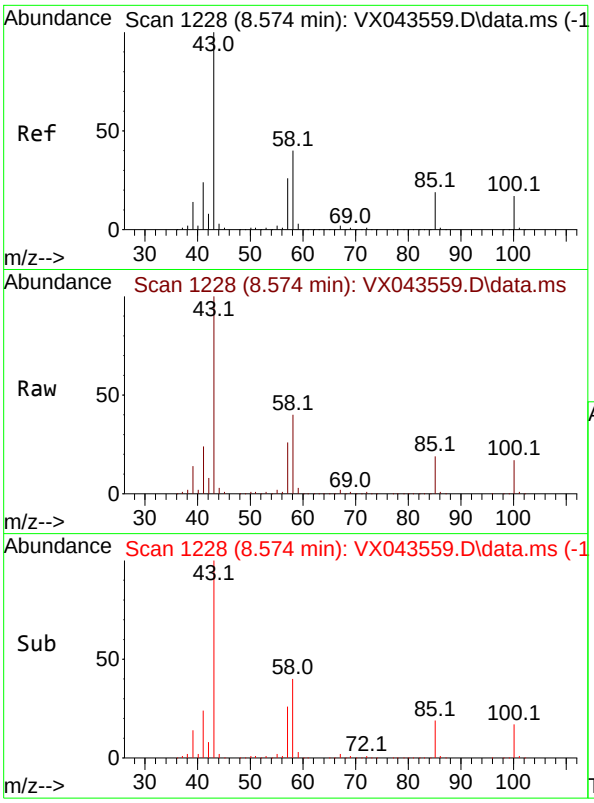


#50
Toluene-d8
Concen: 50.907 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 98 Resp: 318252

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





#51
4-Methyl-2-Pentanone
Concen: 243.501 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

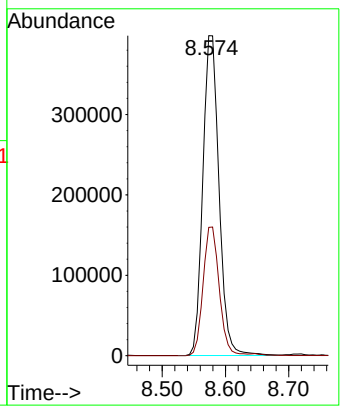
Tgt Ion: 43 Resp: 71078

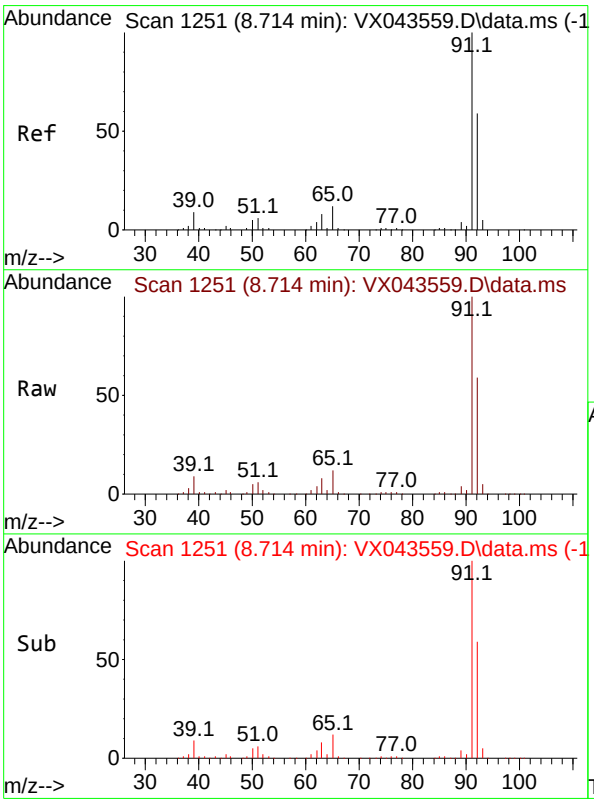
Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.7	47.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

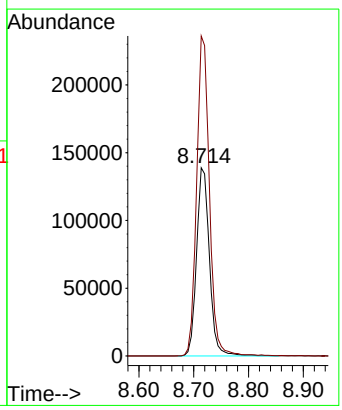


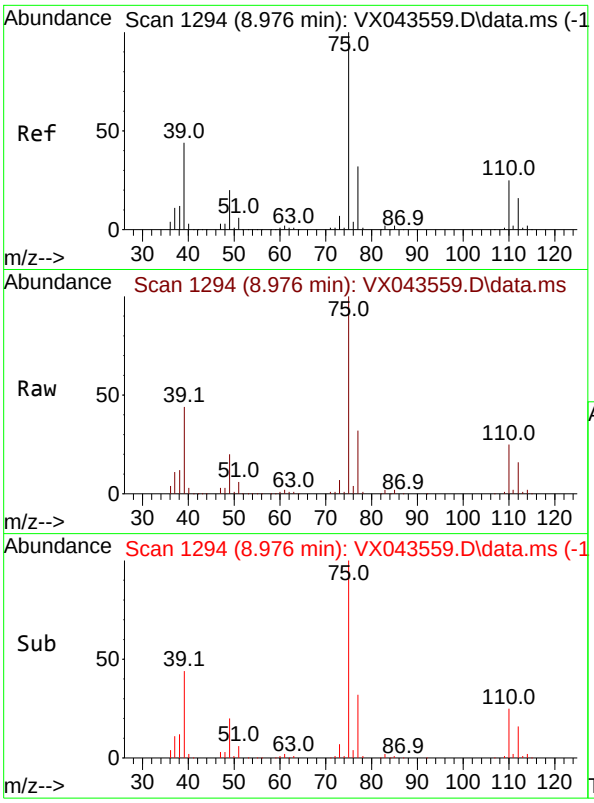


#52
Toluene
Concen: 51.617 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 92 Resp: 227004

Ion	Ratio	Lower	Upper
92	100		
91	168.8	135.7	203.5

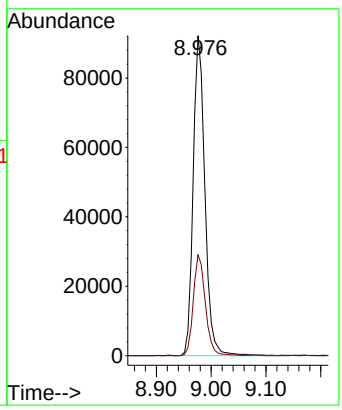




#53
t-1,3-Dichloropropene
Concen: 57.422 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 13795

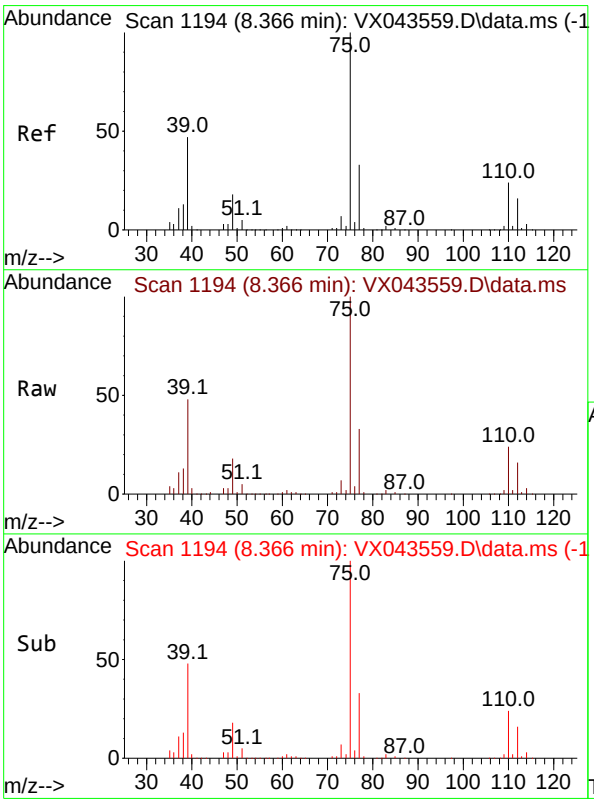
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

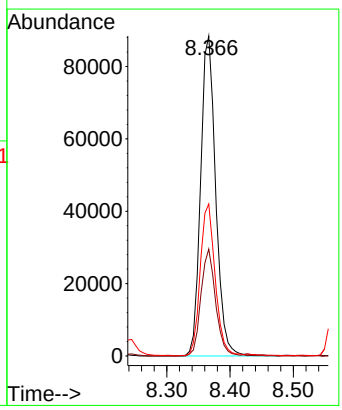
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

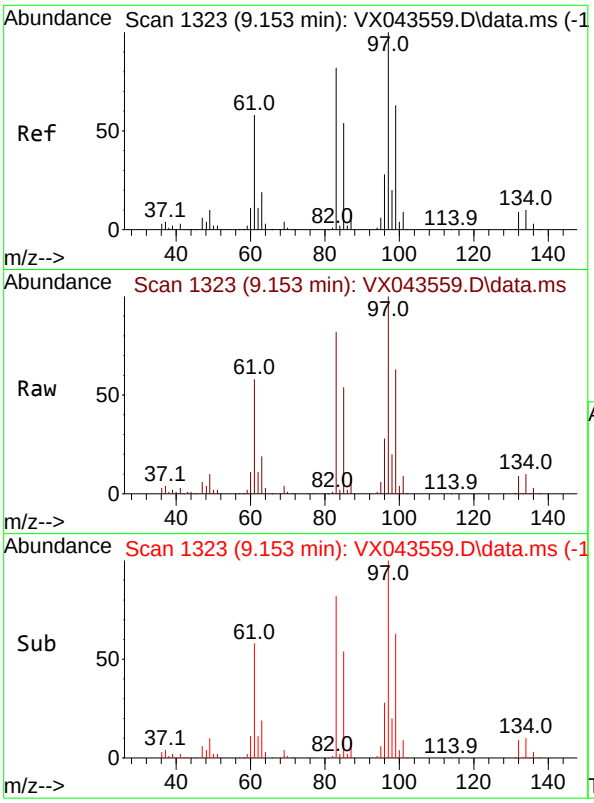


#54
cis-1,3-Dichloropropene
Concen: 55.739 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 147056

Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.8	37.2
39	47.5	37.7	56.5

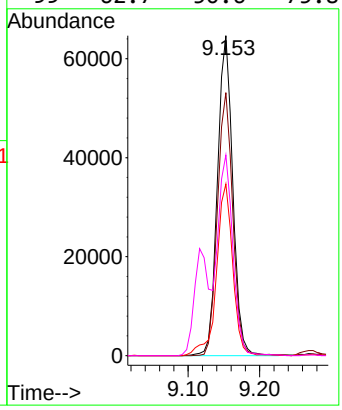




#55
1,1,2-Trichloroethane
Concen: 51.848 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 97 Resp: 9622

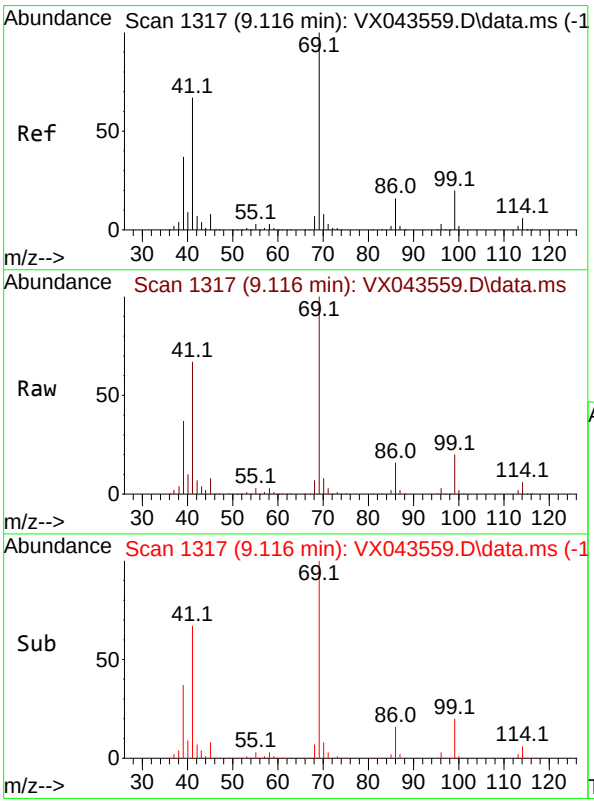
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.3	100.9
85	53.7	43.6	65.4
99	62.7	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

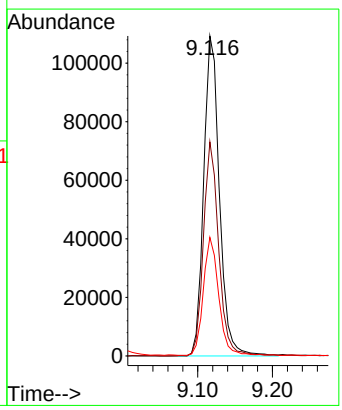
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

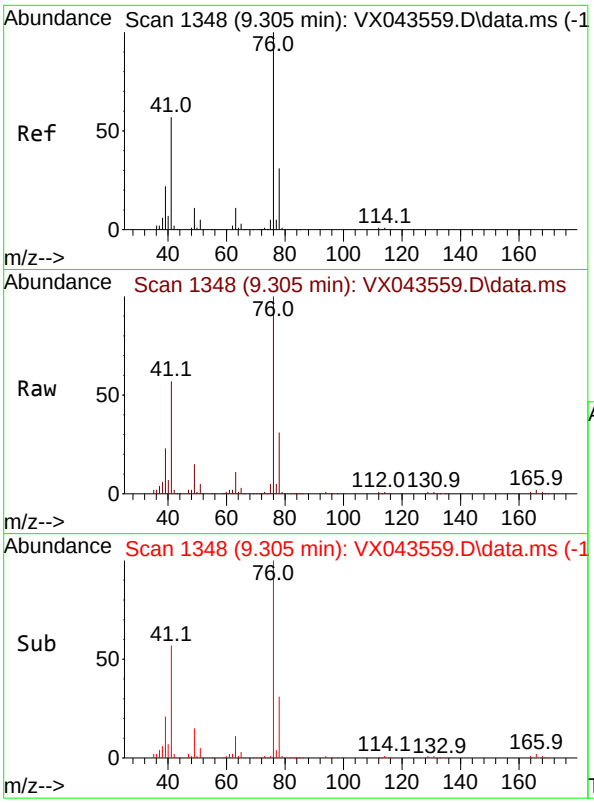


#56
Ethyl methacrylate
Concen: 53.285 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 69 Resp: 159817

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.8	80.8
39	36.1	29.9	44.9

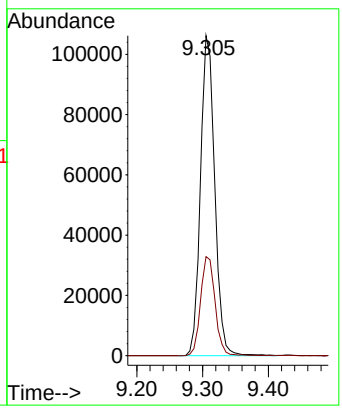




#57
1,3-Dichloropropane
Concen: 52.178 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 76 Resp: 15989

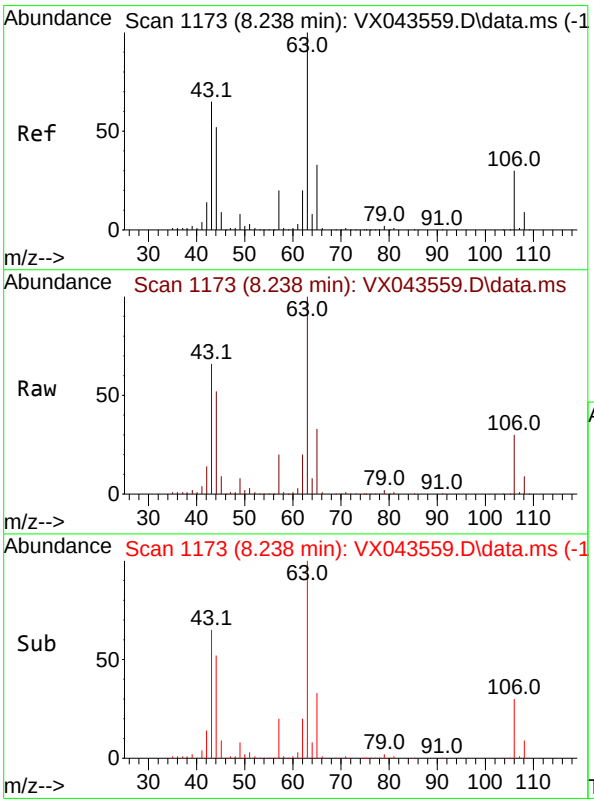
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

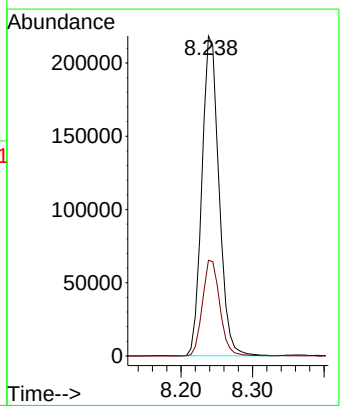
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

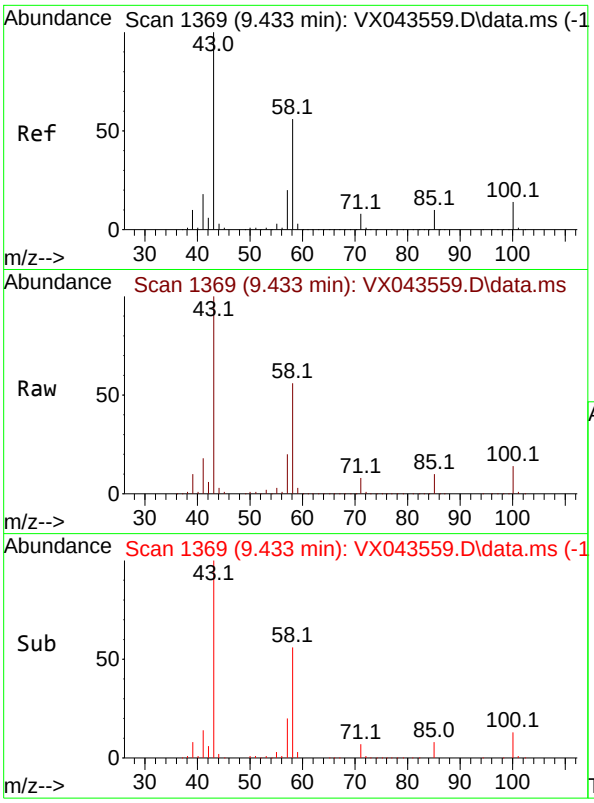


#58
2-Chloroethyl Vinyl ether
Concen: 245.903 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 63 Resp: 362792

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4





#59
2-Hexanone
Concen: 245.453 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

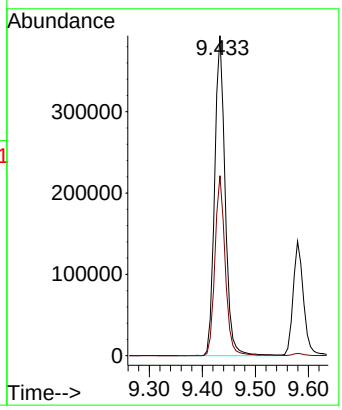
Tgt Ion: 43 Resp: 54176

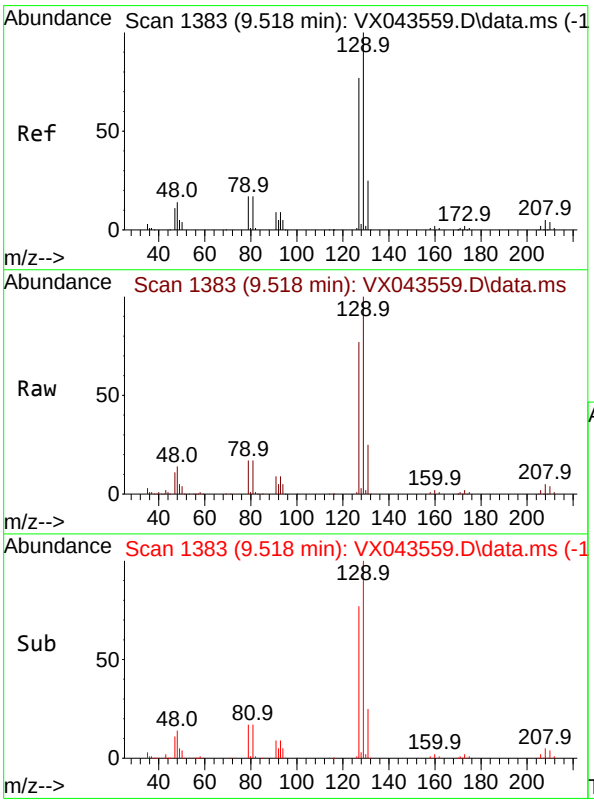
Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

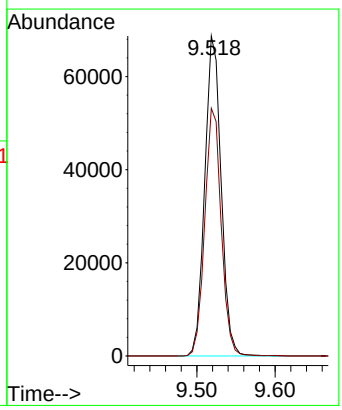


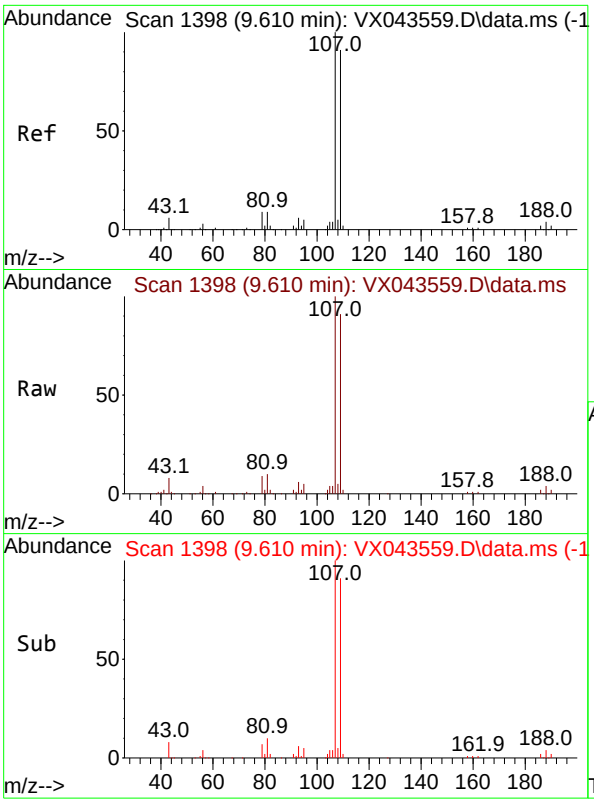


#60
Dibromochloromethane
Concen: 57.260 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:129 Resp: 99435

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.1





#61
1,2-Dibromoethane
Concen: 53.133 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

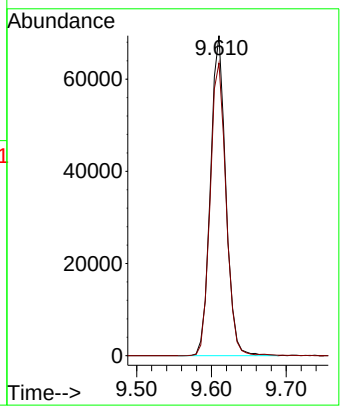
Tgt Ion:107 Resp: 9940

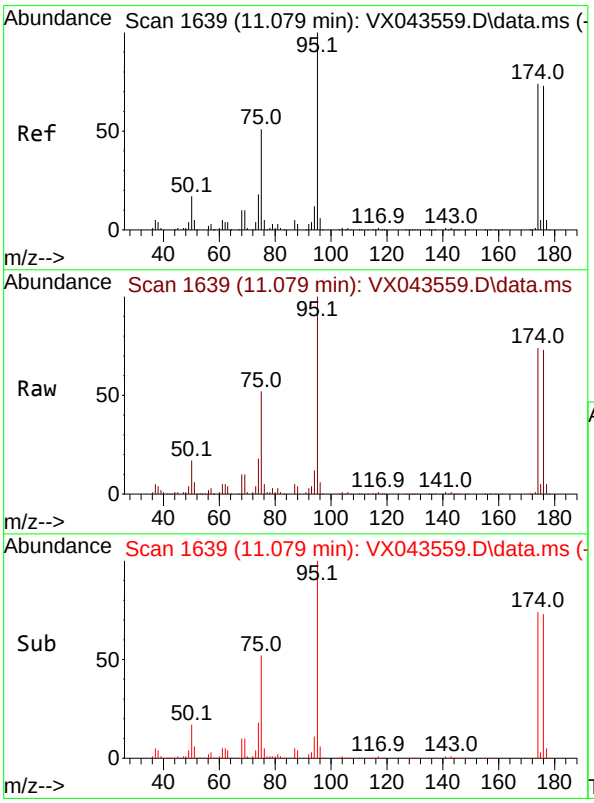
Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.1	115.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

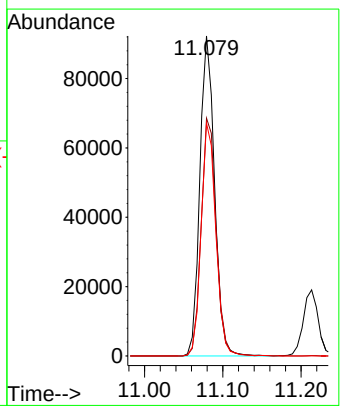


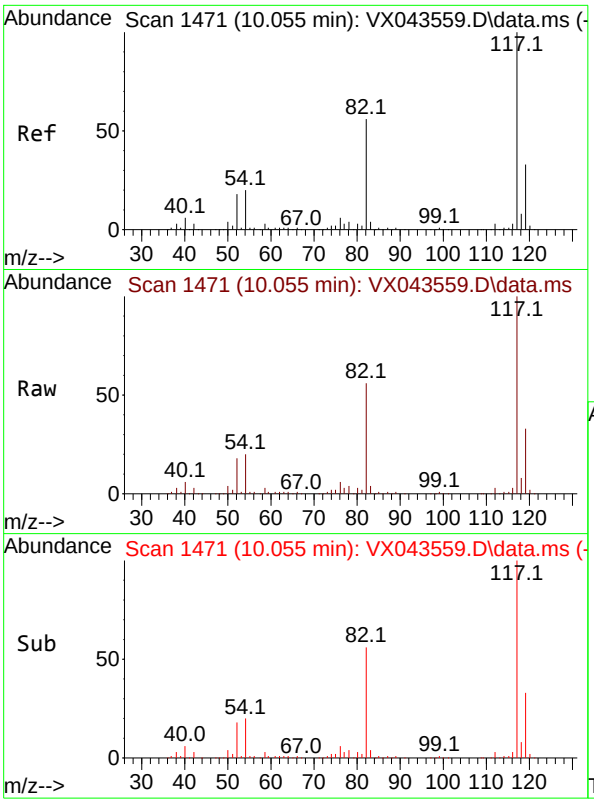


#62
4-Bromofluorobenzene
Concen: 52.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 95 Resp: 120225

Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	146.6
176	72.7	0.0	139.6

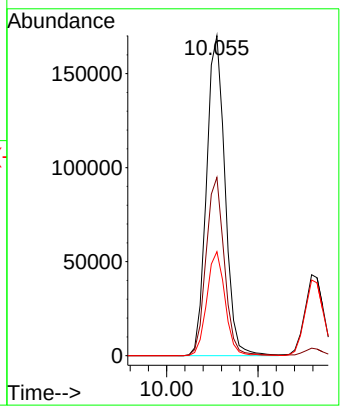




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:117 Resp: 23834

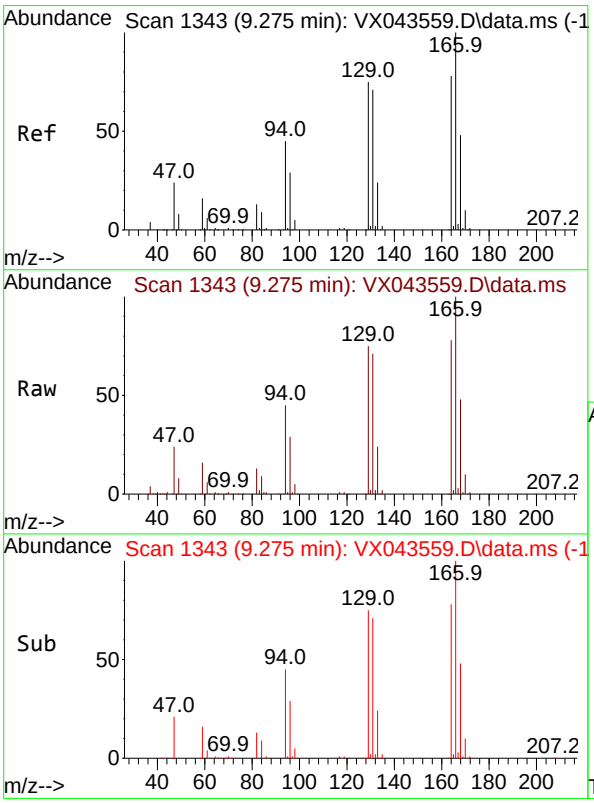
Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.1	63.1
119	32.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

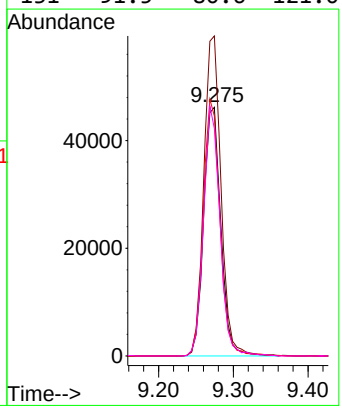
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

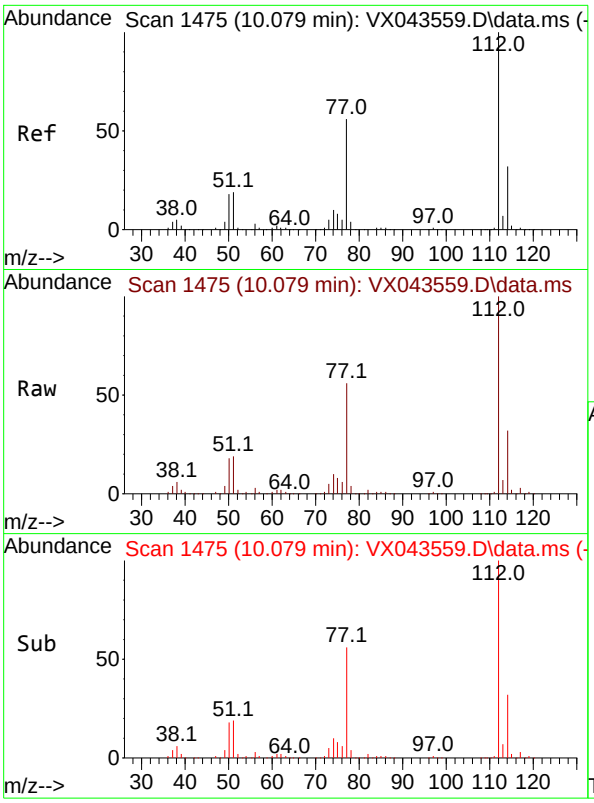


#64
Tetrachloroethene
Concen: 49.296 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:164 Resp: 73551

Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.8	155.6
129	96.5	83.8	125.6
131	91.5	80.6	121.0

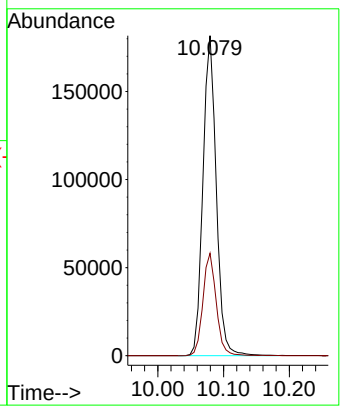




#65
Chlorobenzene
Concen: 51.676 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:112 Resp: 25621

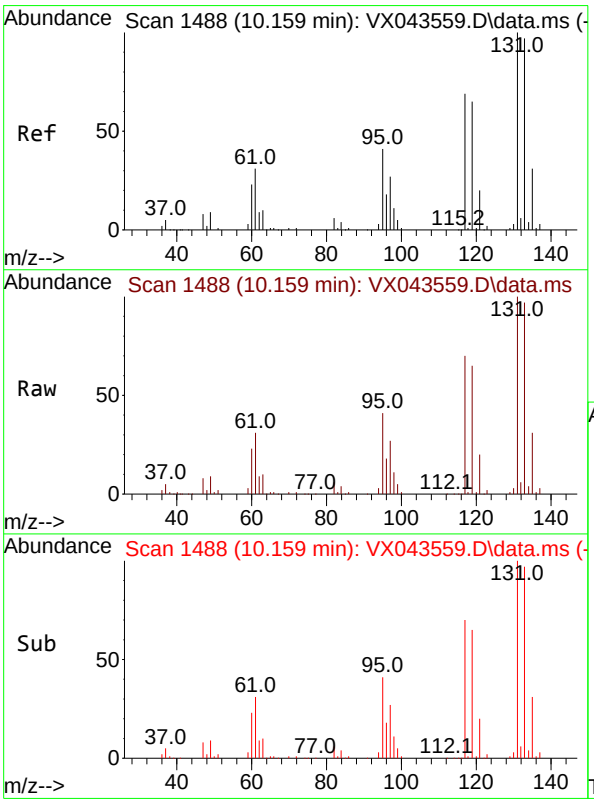
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

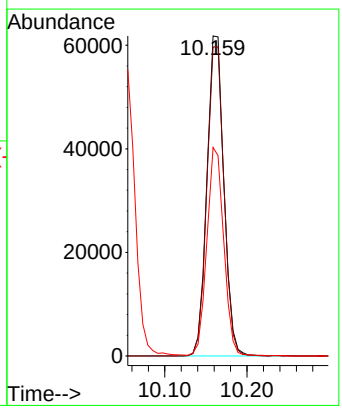
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

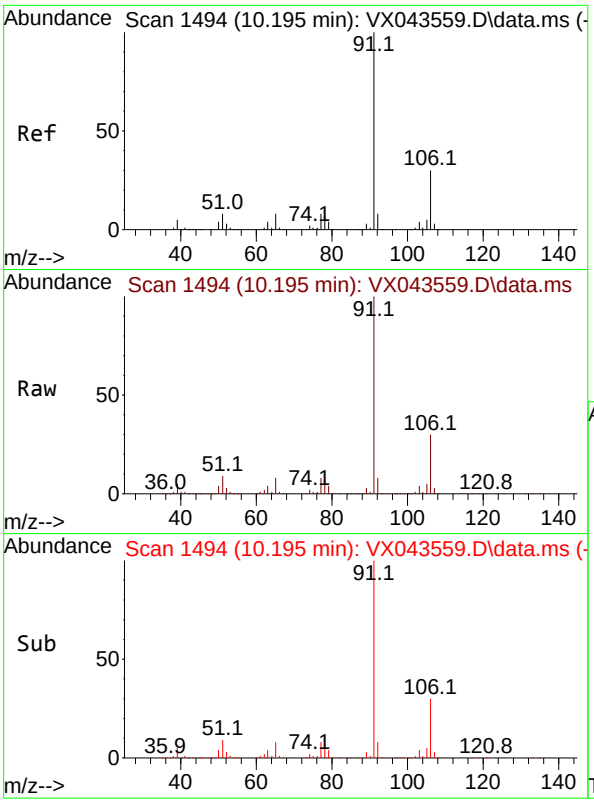


#66
1,1,1,2-Tetrachloroethane
Concen: 52.993 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:131 Resp: 88746

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.0	144.0
119	64.7	32.3	96.9

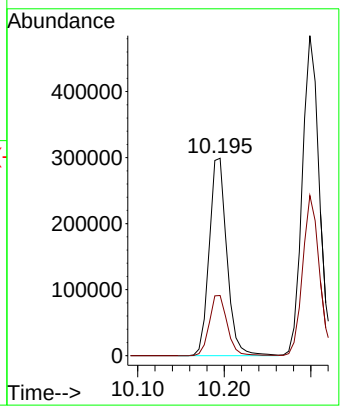




#67
Ethyl Benzene
Concen: 51.347 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 42351

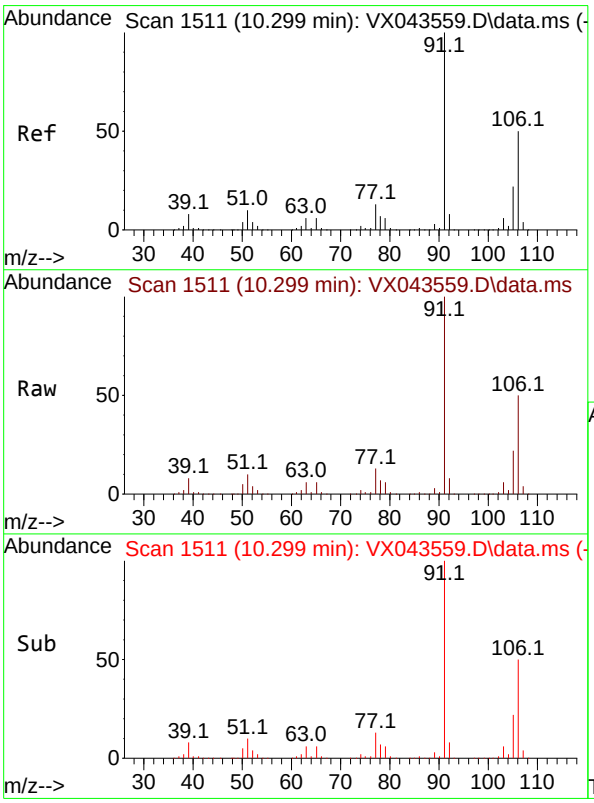
Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

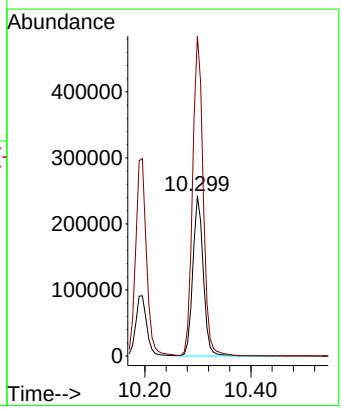
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

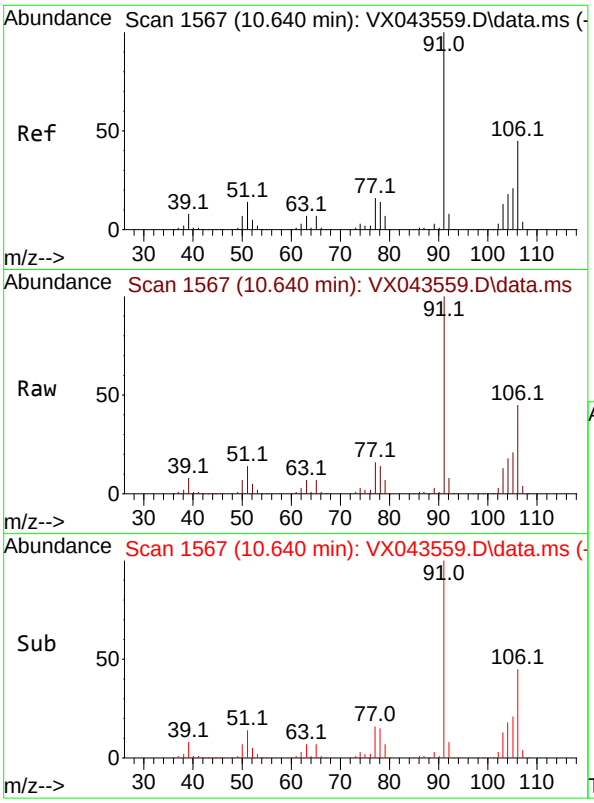


#68
m/p-Xylenes
Concen: 105.366 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:106 Resp: 329261

Ion	Ratio	Lower	Upper
106	100		
91	202.6	164.7	247.1





#69
o-Xylene
Concen: 51.137 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

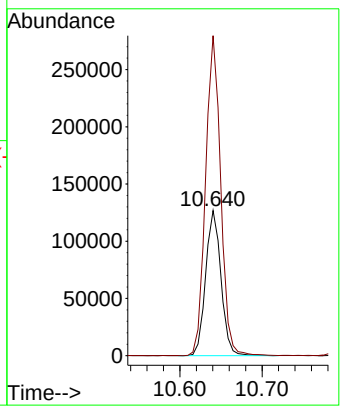
Tgt Ion:106 Resp: 16426

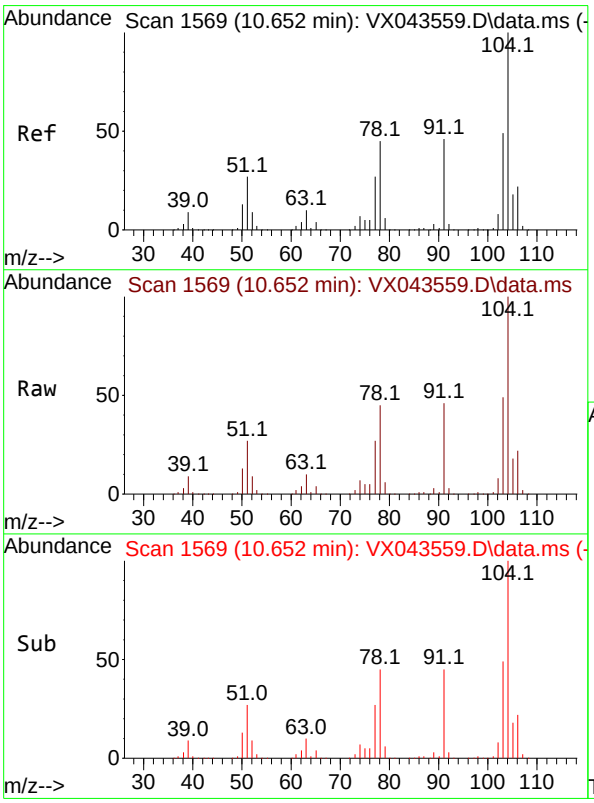
Ion	Ratio	Lower	Upper
106	100		
91	217.1	107.9	323.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

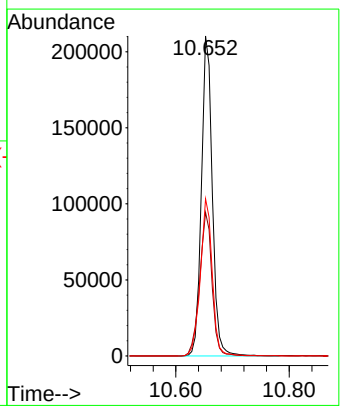


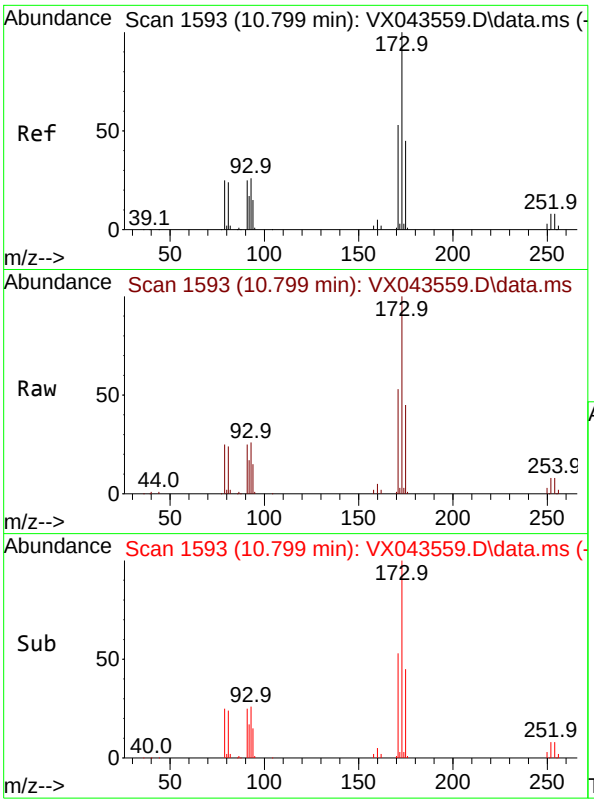


#70
Styrene
Concen: 54.218 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:104 Resp: 281883

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.0	60.0
103	53.5	43.4	65.0

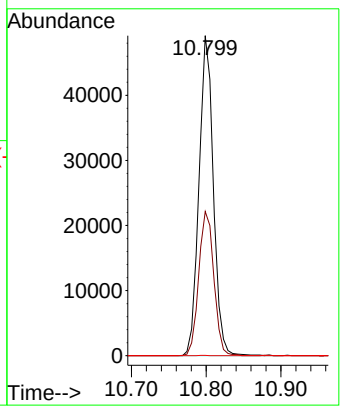




#71
Bromoform
Concen: 58.090 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:173 Resp: 6558

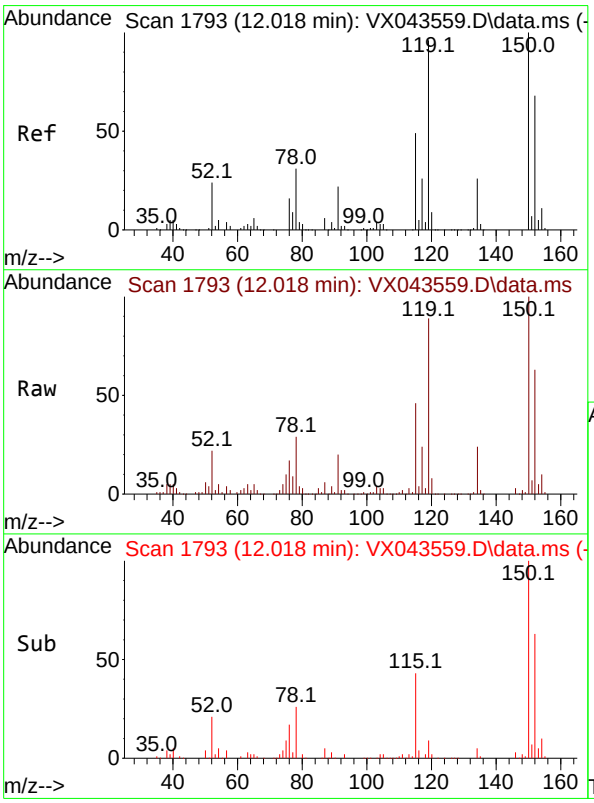
Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.3	69.9
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

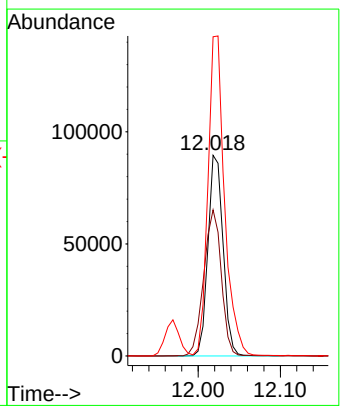
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

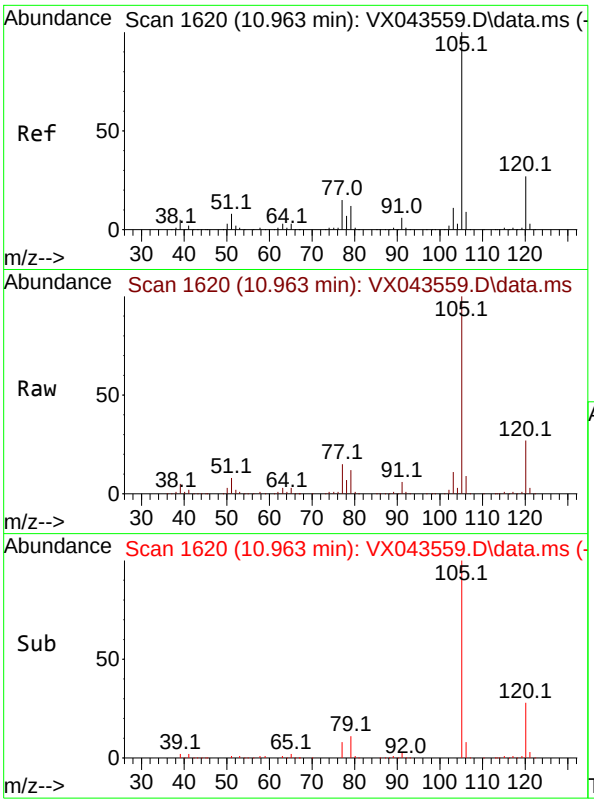


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:152 Resp: 114709

Ion	Ratio	Lower	Upper
152	100		
115	84.6	42.9	128.7
150	175.7	0.0	343.6

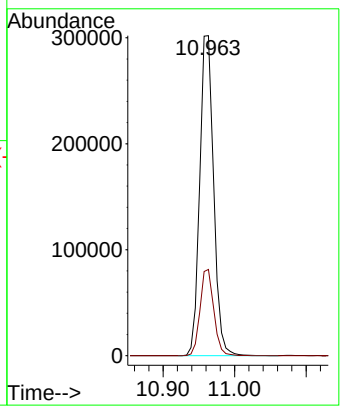




#73
Isopropylbenzene
Concen: 49.811 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 40841

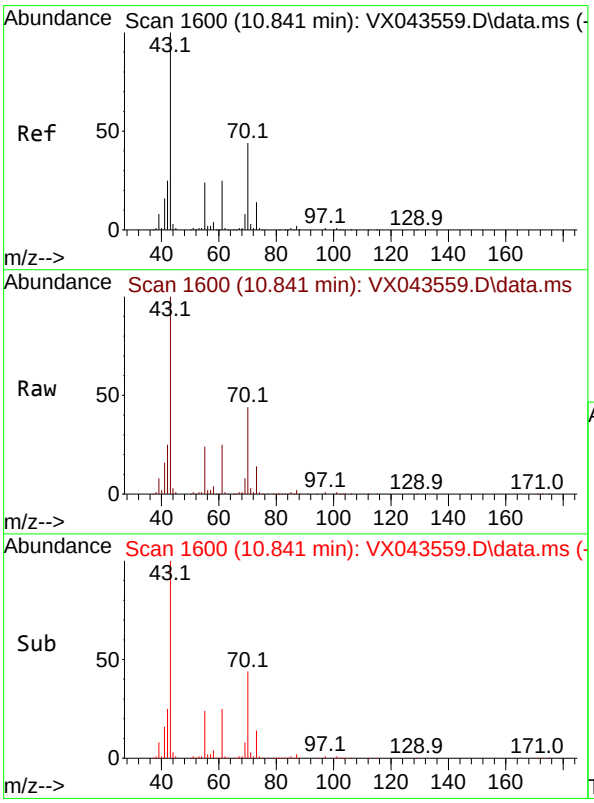
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

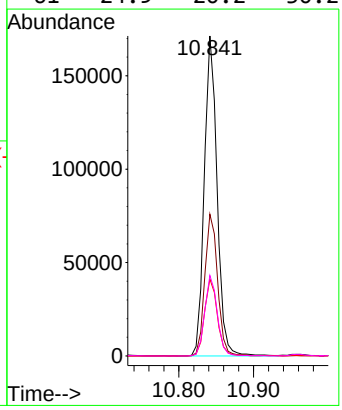
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

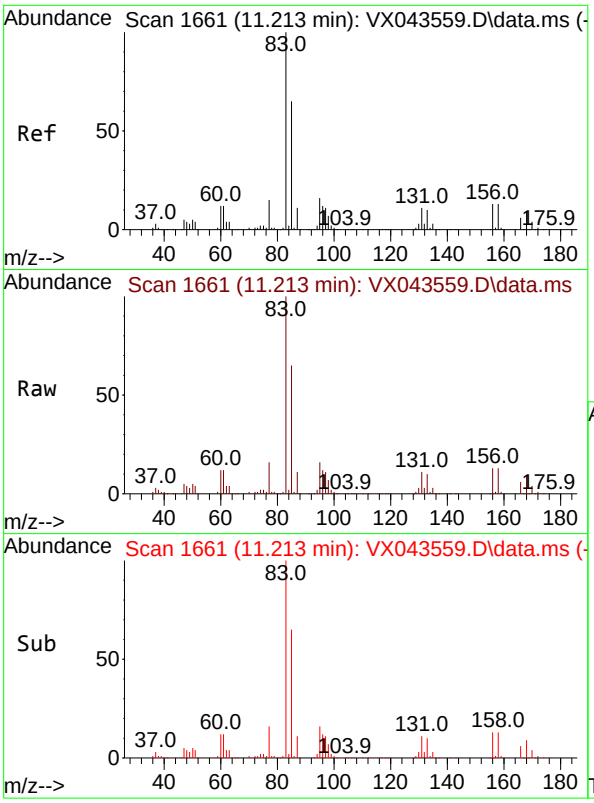


#74
N-amyl acetate
Concen: 49.234 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 203333

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	52.0
55	24.2	19.6	29.4
61	24.9	20.2	30.2

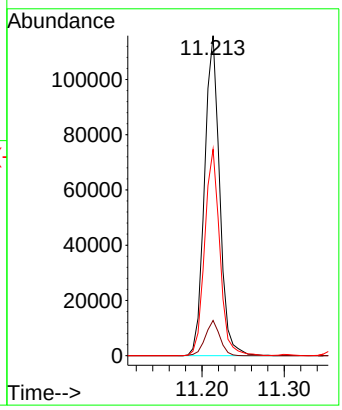




#75
1,1,2,2-Tetrachloroethane
Concen: 47.168 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 83 Resp: 14815

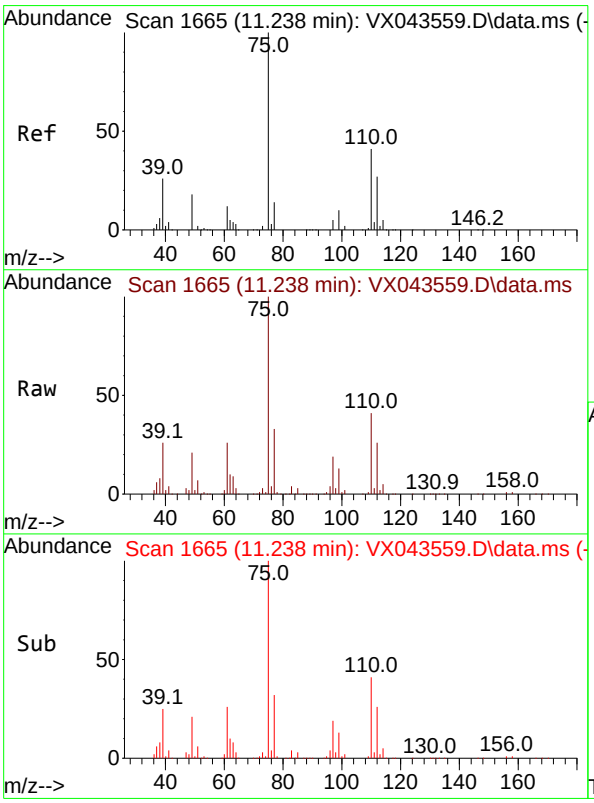
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.5	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

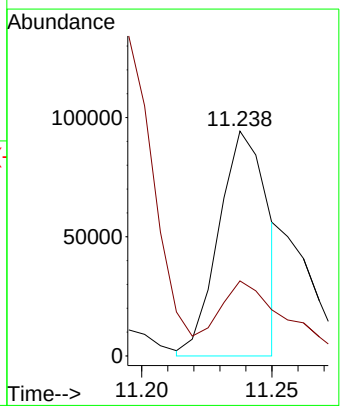
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

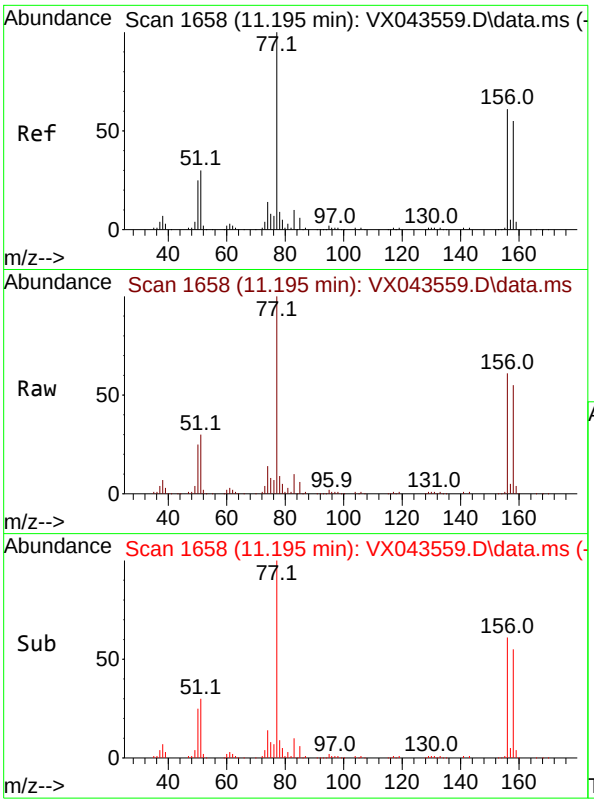


#76
1,2,3-Trichloropropane
Concen: 46.074 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 122864

Ion	Ratio	Lower	Upper
75	100		
77	45.4	22.4	67.2





#77
Bromobenzene
Concen: 50.684 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

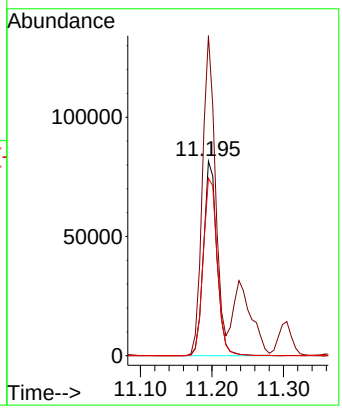
Tgt Ion:156 Resp: 10608

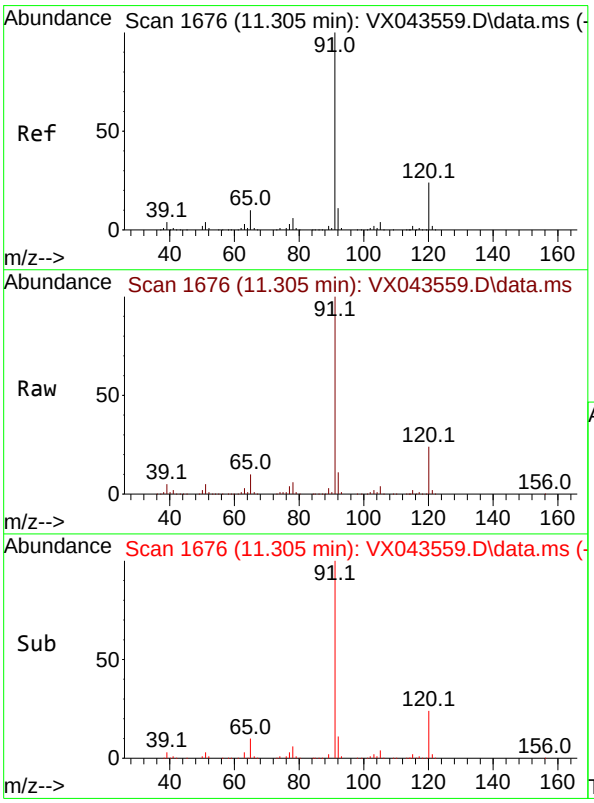
Ion	Ratio	Lower	Upper
156	100		
77	159.5	79.7	239.1
158	96.0	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

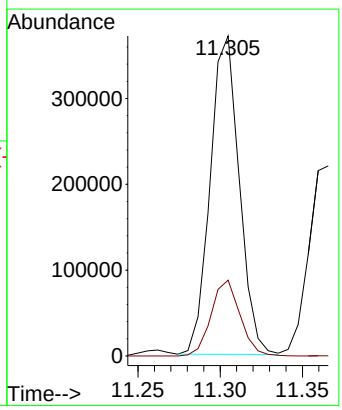


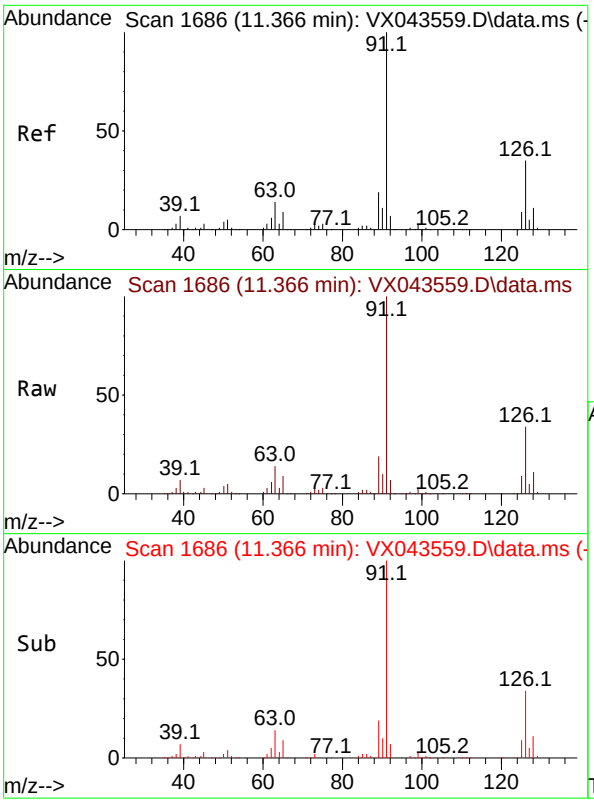


#78
n-propylbenzene
Concen: 52.320 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 457180

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.7





#79
2-Chlorotoluene
Concen: 49.242 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

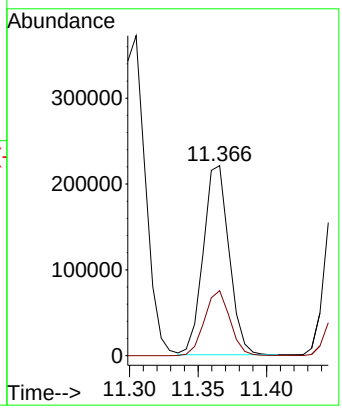
Tgt Ion: 91 Resp: 28871

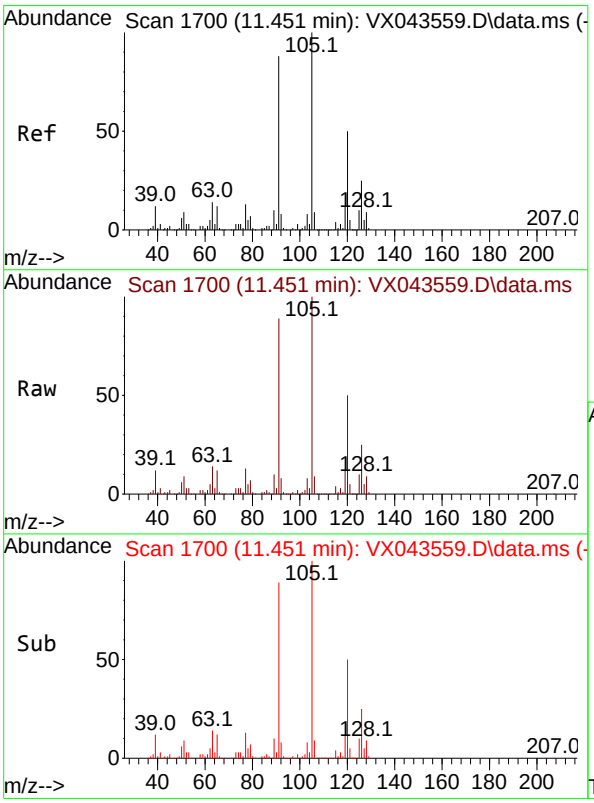
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

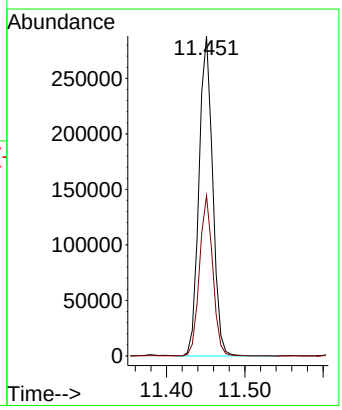


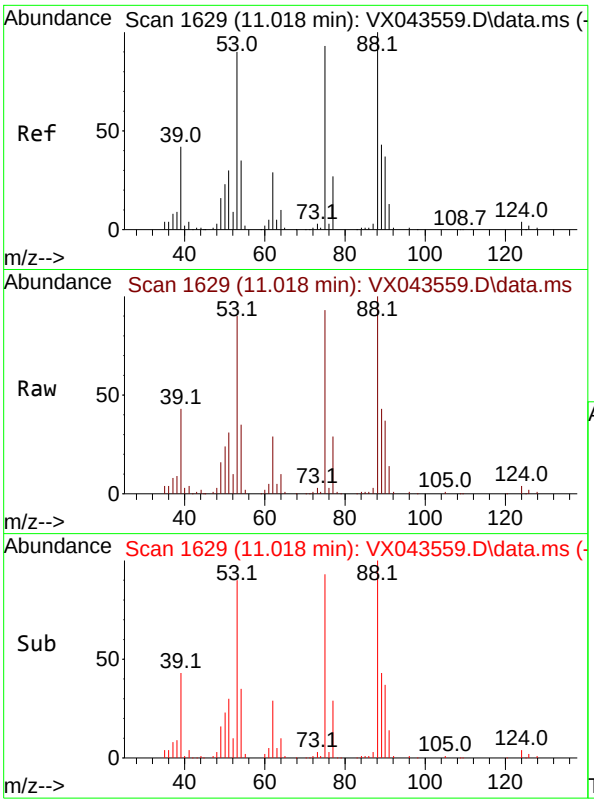


#80
1,3,5-Trimethylbenzene
Concen: 51.192 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 348498

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 54.897 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

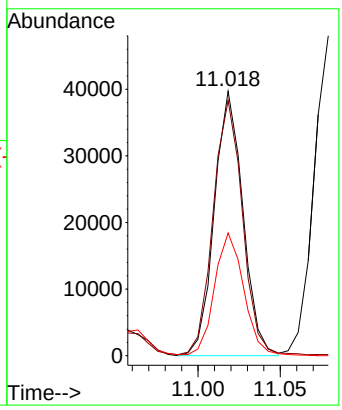
Tgt Ion: 75 Resp: 4797

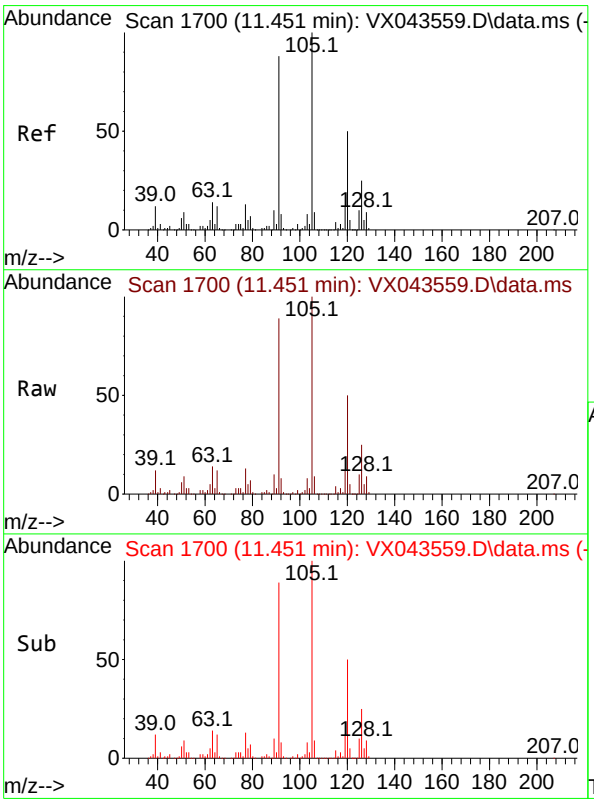
Ion	Ratio	Lower	Upper
75	100		
53	98.3	84.6	126.8
89	47.7	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

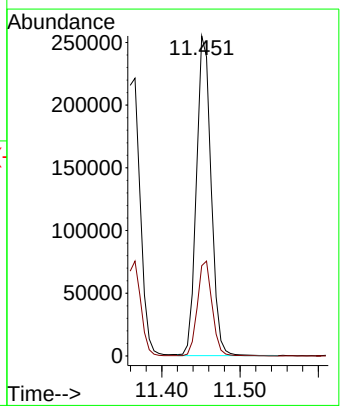


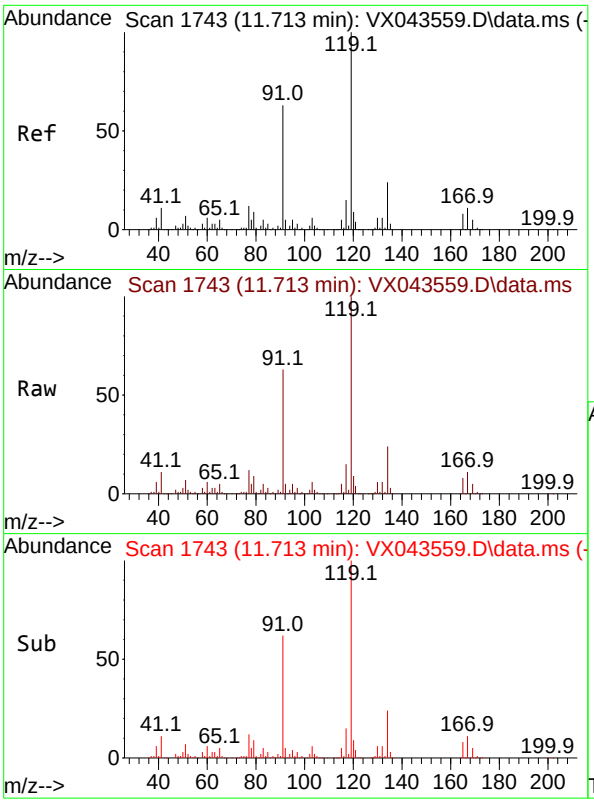


#82
4-Chlorotoluene
Concen: 51.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 331765

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.2	42.8

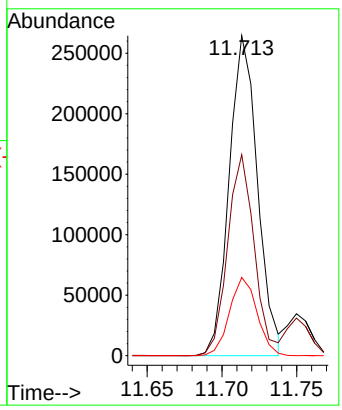




#83
tert-Butylbenzene
Concen: 50.250 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:119 Resp: 34885

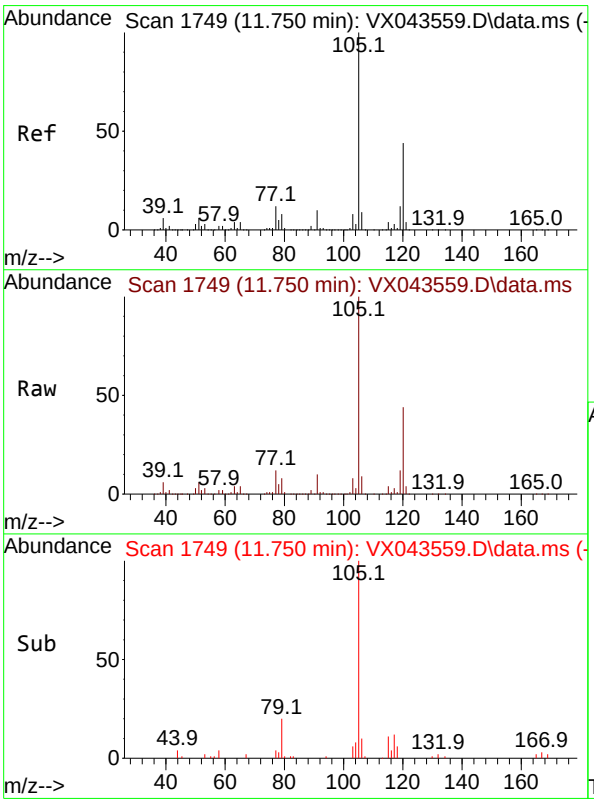
Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.5	88.5
134	23.8	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

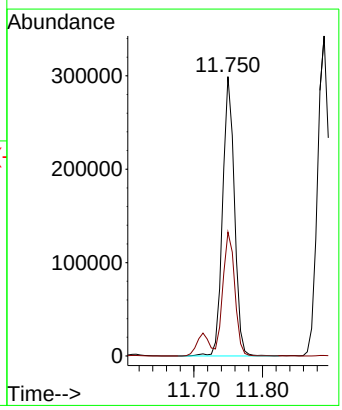
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

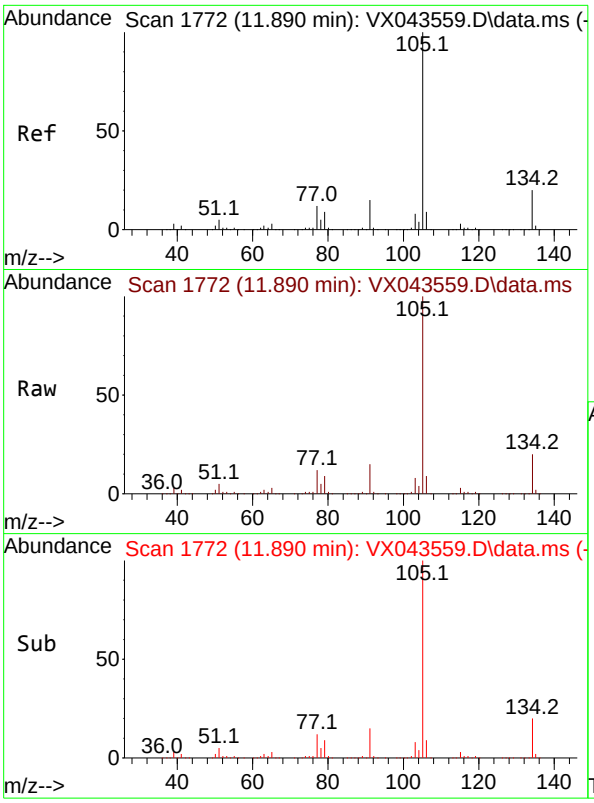


#84
1,2,4-Trimethylbenzene
Concen: 51.061 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 355522

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

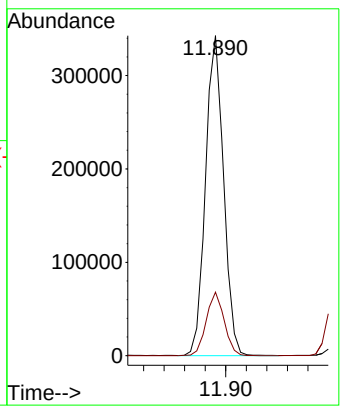




#85
sec-Butylbenzene
Concen: 51.960 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 41778

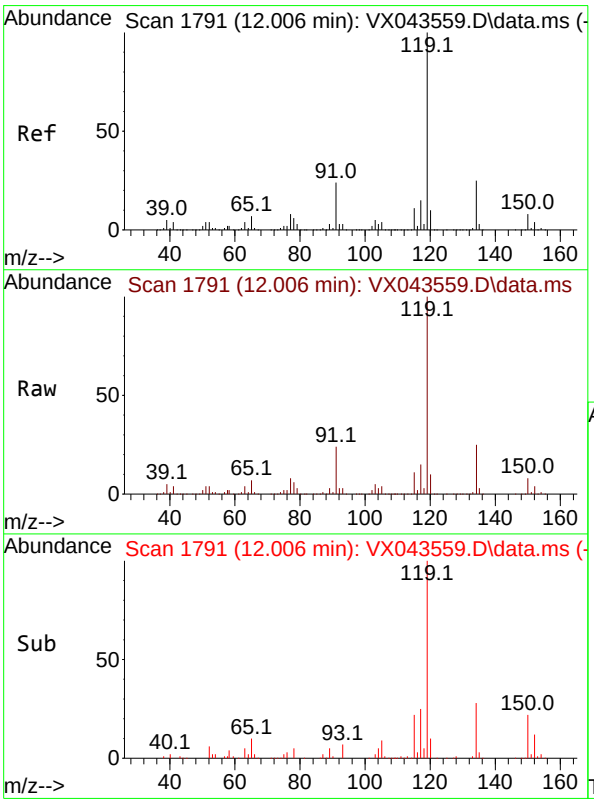
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

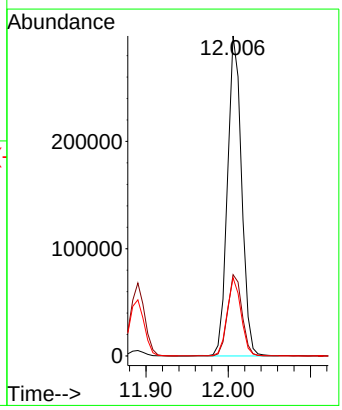
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

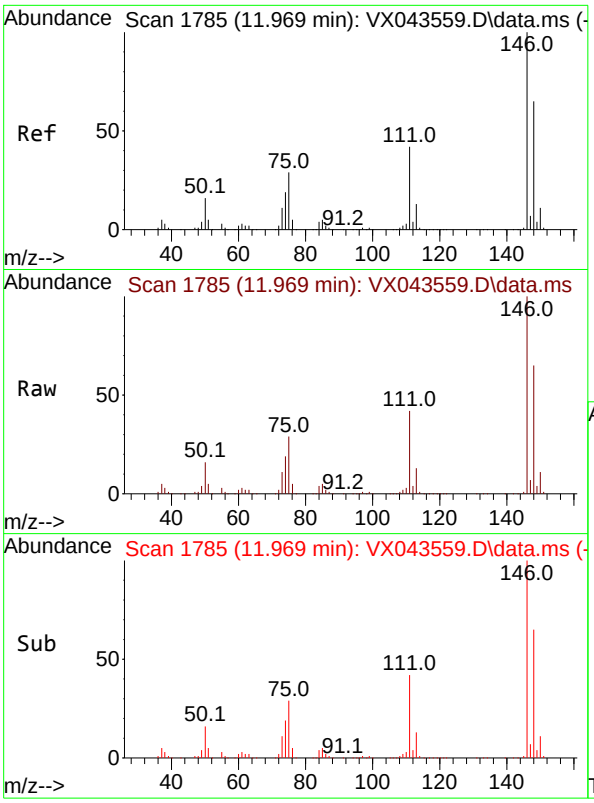


#86
p-Isopropyltoluene
Concen: 53.750 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:119 Resp: 358049

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	24.0	12.4	37.0

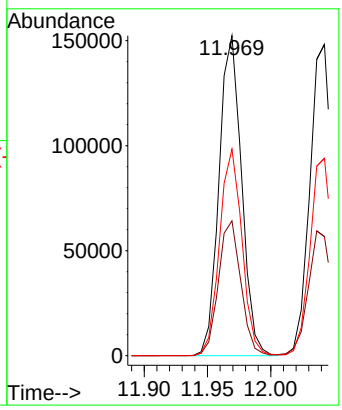




#87
1,3-Dichlorobenzene
Concen: 50.274 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:146 Resp: 18881

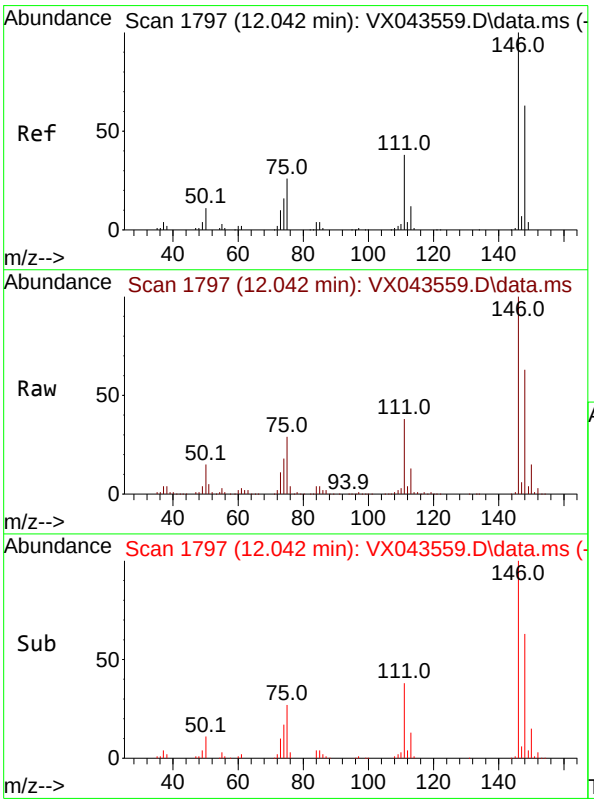
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	64.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

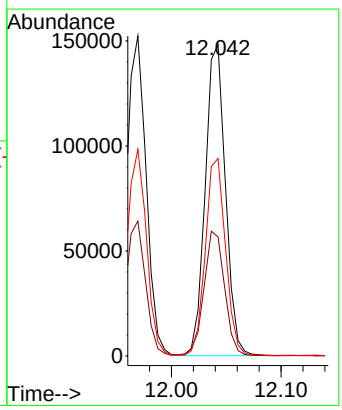
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

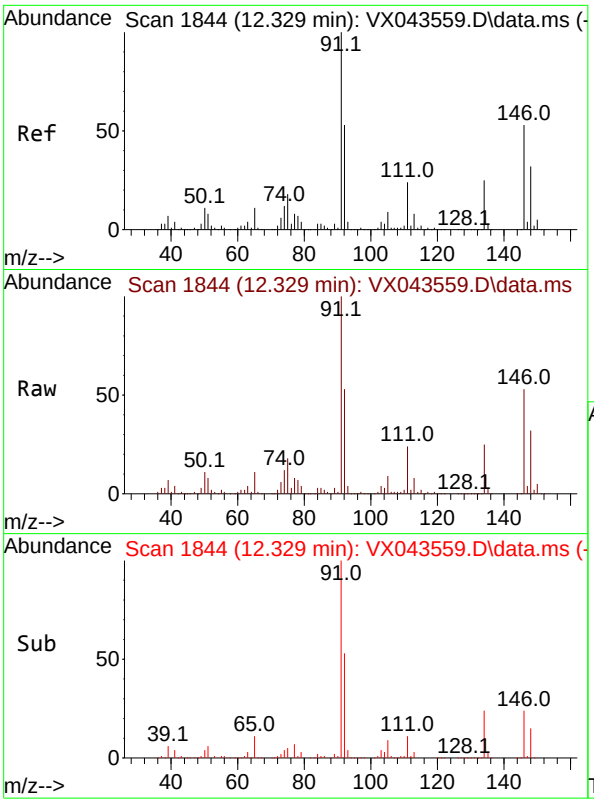


#88
1,4-Dichlorobenzene
Concen: 50.095 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:146 Resp: 189658

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	63.7	31.9	95.9

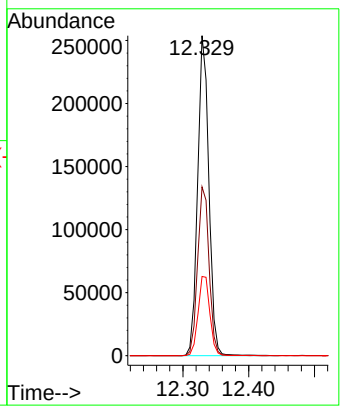




#89
n-Butylbenzene
Concen: 55.523 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 29984

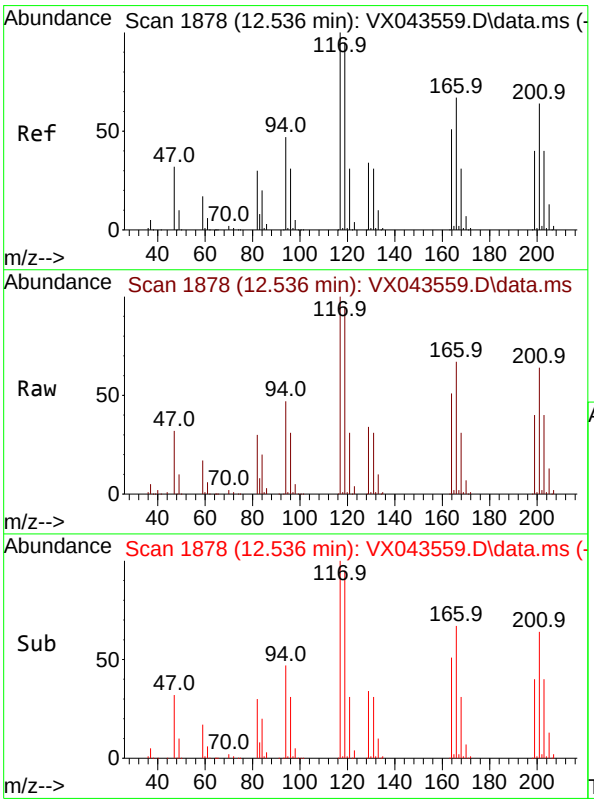
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	26.1	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

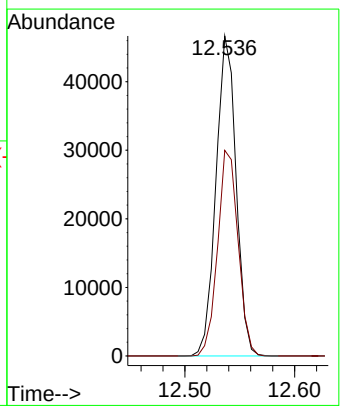
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

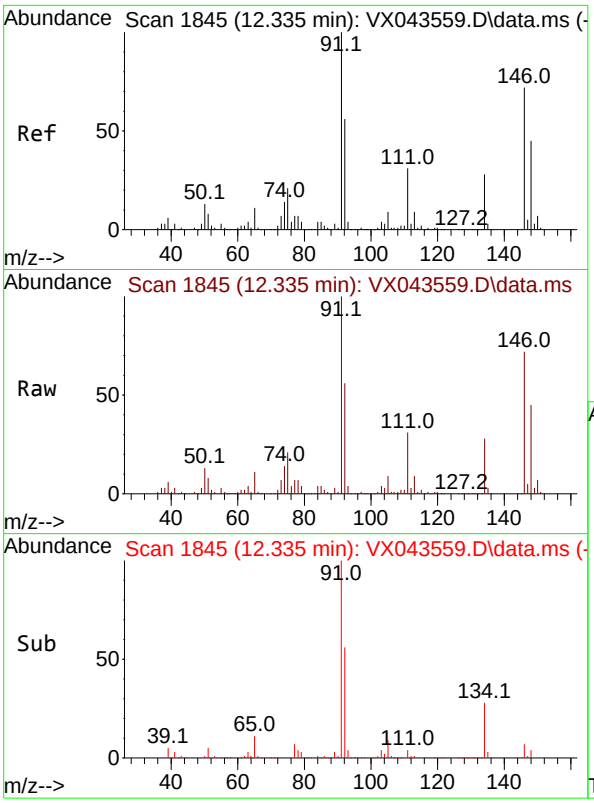


#90
Hexachloroethane
Concen: 55.265 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:117 Resp: 59554

Ion	Ratio	Lower	Upper
117	100		
201	65.6	32.9	98.7

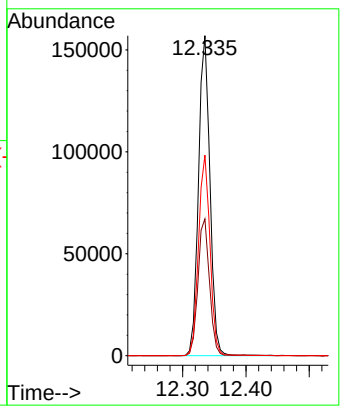




#91
1,2-Dichlorobenzene
Concen: 51.130 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:146 Resp: 19801

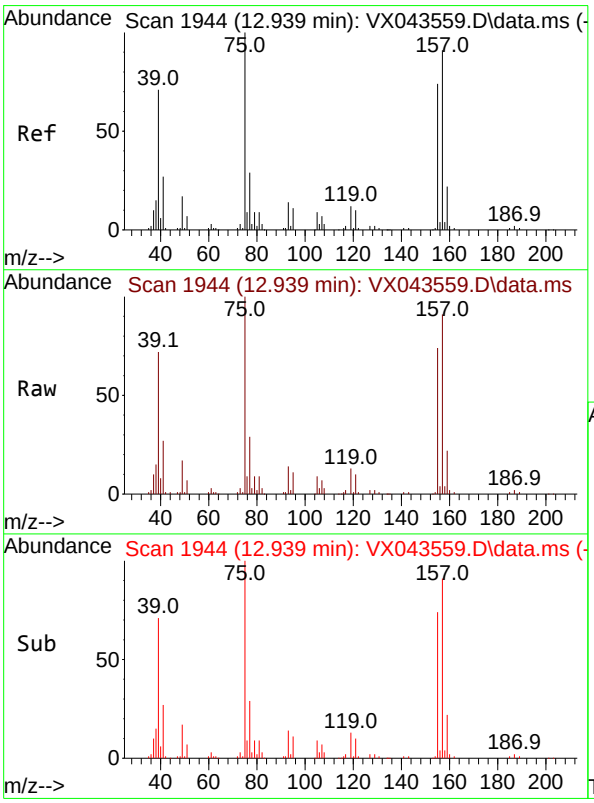
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	62.9	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

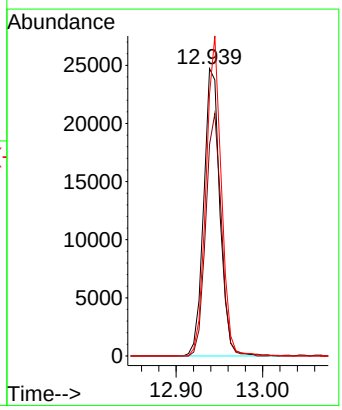
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

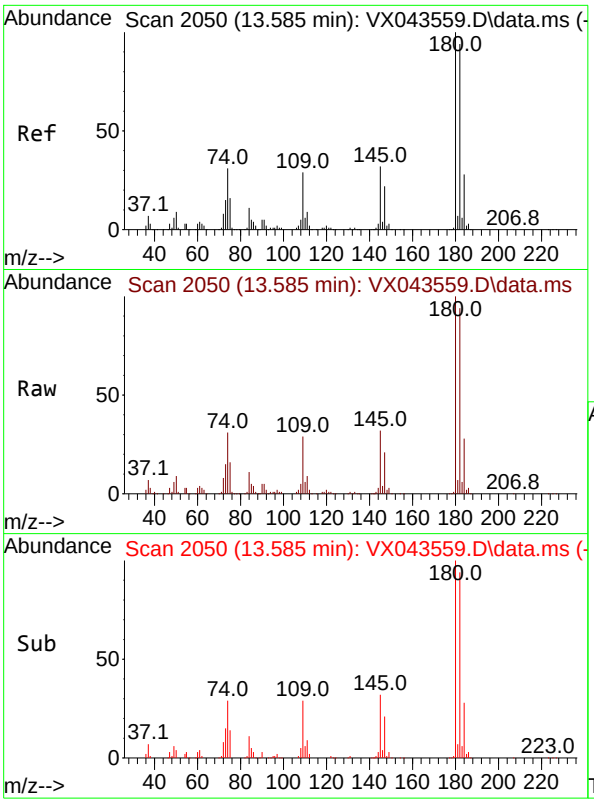


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.159 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 32185

Ion	Ratio	Lower	Upper
75	100		
155	81.2	40.1	120.3
157	104.8	50.8	152.4

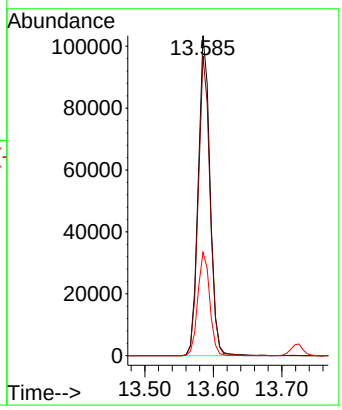




#93
1,2,4-Trichlorobenzene
Concen: 54.653 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:180 Resp: 12394

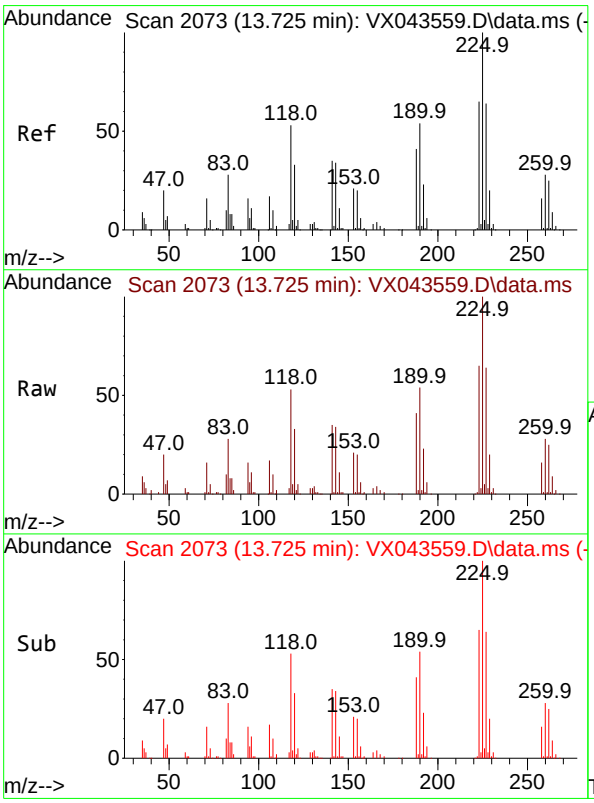
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.8	140.4
145	32.6	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

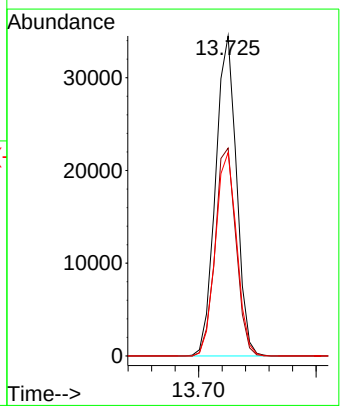
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

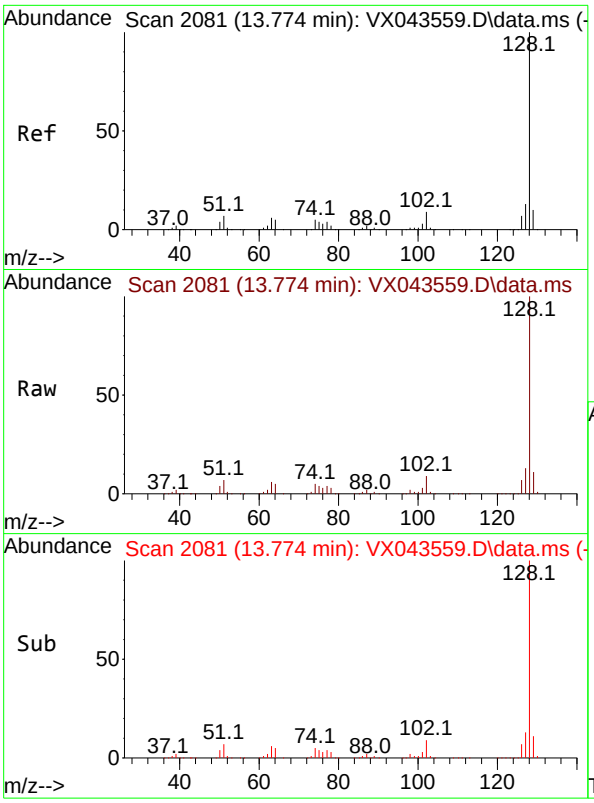


#94
Hexachlorobutadiene
Concen: 53.286 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:225 Resp: 42766

Ion	Ratio	Lower	Upper
225	100		
223	64.8	30.8	92.4
227	64.5	31.6	94.8

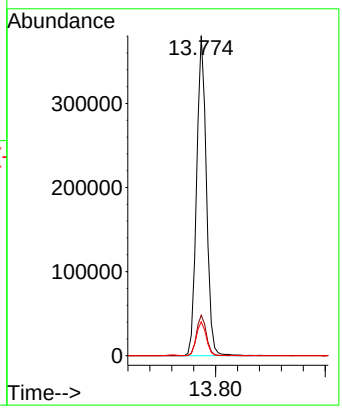




#95
Naphthalene
Concen: 50.857 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:128 Resp: 47326

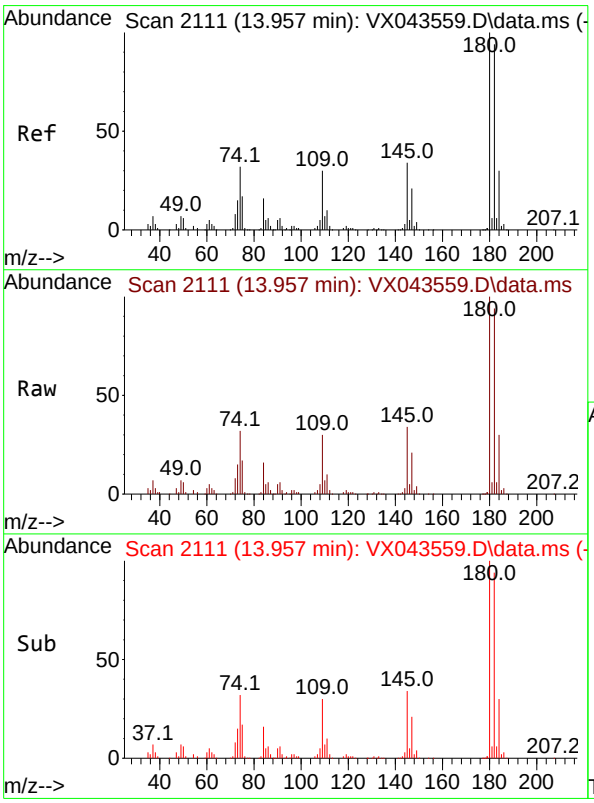
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

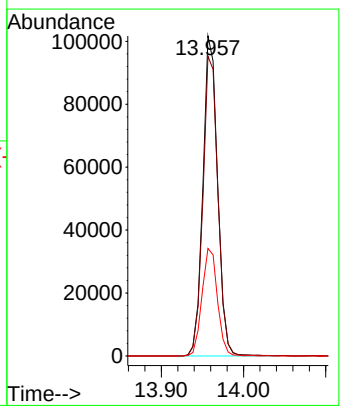
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 53.229 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:180 Resp: 126296

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.3
145	35.2	17.4	52.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	222471	97.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.340%#			
35) Dibromofluoromethane	5.379	113	181437	102.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.240%#			
50) Toluene-d8	8.647	98	615421	100.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.780%#			
62) 4-Bromofluorobenzene	11.079	95	233193	104.146	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 208.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	150686	93.662	ug/l	95
3) Chloromethane	1.294	50	191165	93.138	ug/l	99
4) Vinyl Chloride	1.374	62	185746	99.351	ug/l	99
5) Bromomethane	1.593	94	75100	102.844	ug/l	99
6) Chloroethane	1.660	64	62560	102.264	ug/l	97
7) Trichlorofluoromethane	1.861	101	244340	99.580	ug/l	99
8) Diethyl Ether	2.136	74	109025	101.725	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	155594	100.462	ug/l	98
10) Methyl Iodide	2.440	142	227894	106.257	ug/l	99
11) Tert butyl alcohol	3.038	59	245468	501.973	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	160565	105.446	ug/l	96
13) Acrolein	2.239	56	168697	437.793	ug/l	99
14) Allyl chloride	2.654	41	289621	107.186	ug/l	97
15) Acrylonitrile	3.068	53	518888	479.012	ug/l	100
16) Acetone	2.392	43	452601	463.114	ug/l	100
17) Carbon Disulfide	2.495	76	378228	120.001	ug/l	100
18) Methyl Acetate	2.709	43	272708	92.847	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	602114	101.628	ug/l	99
20) Methylene Chloride	2.782	84	191848	100.449	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	171404	103.973	ug/l	97
22) Diisopropyl ether	3.763	45	560616	100.525	ug/l	94
23) Vinyl Acetate	3.721	43	2462441	534.476	ug/l	98
24) 1,1-Dichloroethane	3.605	63	327525	104.117	ug/l	99
25) 2-Butanone	4.562	43	698547	470.613	ug/l	98
26) 2,2-Dichloropropane	4.471	77	267036	117.781	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	215682	105.006	ug/l	99
28) Bromochloromethane	4.897	49	157450	101.175	ug/l	99
29) Tetrahydrofuran	5.013	42	449999	464.302	ug/l	99
30) Chloroform	5.092	83	336574	100.052	ug/l	98
31) Cyclohexane	5.458	56	247431	99.138	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	294454	104.159	ug/l	99
36) 1,1-Dichloropropene	5.684	75	212326	101.472	ug/l	98
37) Ethyl Acetate	4.714	43	266903	93.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	246999	103.882	ug/l	100
39) Methylcyclohexane	7.373	83	272092	101.398	ug/l	98
40) Benzene	6.031	78	707594	101.161	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143117	99.633	ug/l		96
42) 1,2-Dichloroethane	6.086	62	259548	100.874	ug/l		100
43) Isopropyl Acetate	6.342	43	448588	99.301	ug/l		99
44) Trichloroethene	7.123	130	180958	109.118	ug/l		96
45) 1,2-Dichloropropane	7.427	63	176748	103.475	ug/l		99
46) Dibromomethane	7.580	93	138874	105.836	ug/l		99
47) Bromodichloromethane	7.818	83	262652	112.832	ug/l		97
48) Methyl methacrylate	7.696	41	218800	103.744	ug/l		99
49) 1,4-Dioxane	7.677	88	102152	1885.231	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1374233	480.107	ug/l		99
52) Toluene	8.714	92	441311	102.334	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	279431	118.617	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	297464	114.982	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	183182	100.657	ug/l		99
56) Ethyl methacrylate	9.116	69	312479	106.248	ug/l		96
57) 1,3-Dichloropropane	9.305	76	305650	101.720	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	741765	512.729	ug/l		98
59) 2-Hexanone	9.433	43	1039956	480.496	ug/l		98
60) Dibromochloromethane	9.518	129	205615	120.749	ug/l		99
61) 1,2-Dibromoethane	9.610	107	196009	106.844	ug/l		97
64) Tetrachloroethene	9.269	164	142187	98.420	ug/l		99
65) Chlorobenzene	10.079	112	498984	103.935	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	175902	108.478	ug/l		99
67) Ethyl Benzene	10.195	91	828264	103.708	ug/l		100
68) m/p-Xylenes	10.299	106	638308	210.954	ug/l		97
69) o-Xylene	10.640	106	322030	103.533	ug/l		98
70) Styrene	10.652	104	548708	108.997	ug/l		99
71) Bromoform	10.799	173	140298	128.340	ug/l	#	99
73) Isopropylbenzene	10.963	105	796019	99.313	ug/l		100
74) N-amyl acetate	10.841	43	398918	98.808	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	286258	93.228	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	233884m	89.719	ug/l		
77) Bromobenzene	11.195	156	206774	101.054	ug/l		99
78) n-propylbenzene	11.305	91	894162	104.676	ug/l		99
79) 2-Chlorotoluene	11.366	91	560554	97.800	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	669305	100.572	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	100171	117.256	ug/l		90
82) 4-Chlorotoluene	11.451	91	647524	102.085	ug/l		98
83) tert-Butylbenzene	11.713	119	688015	101.376	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	684269	100.532	ug/l		99
85) sec-Butylbenzene	11.890	105	808247	102.828	ug/l		98
86) p-Isopropyltoluene	12.006	119	703703	108.063	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	370986	101.044	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	371529	100.386	ug/l		99
89) n-Butylbenzene	12.329	91	602601	114.147	ug/l		99
90) Hexachloroethane	12.536	117	125658	119.283	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	375640	99.223	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	65340	100.012	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	246552	111.215	ug/l		100
94) Hexachlorobutadiene	13.725	225	87749	111.843	ug/l		98
95) Naphthalene	13.774	128	948508	104.267	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	256915	110.764	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

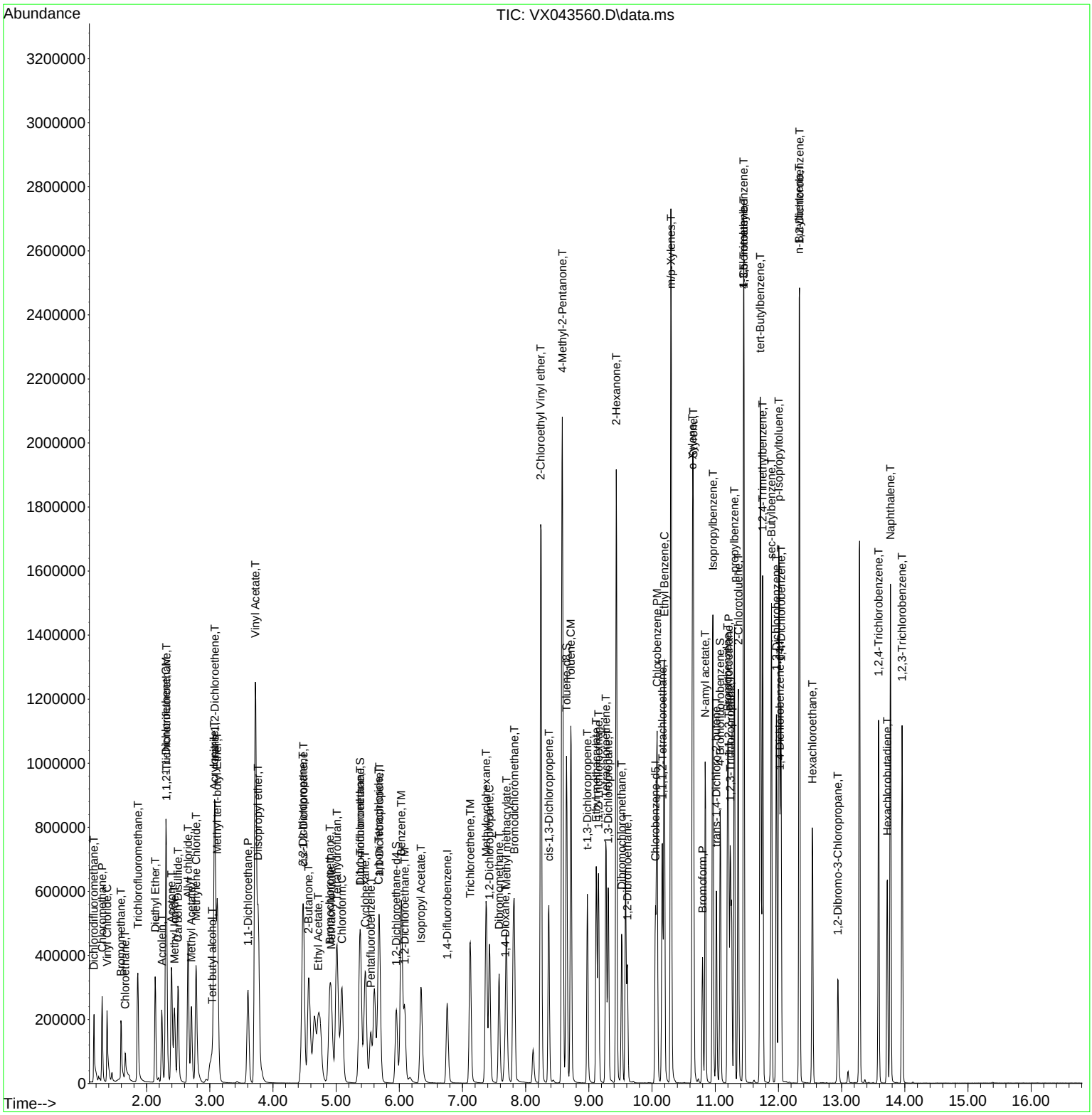
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

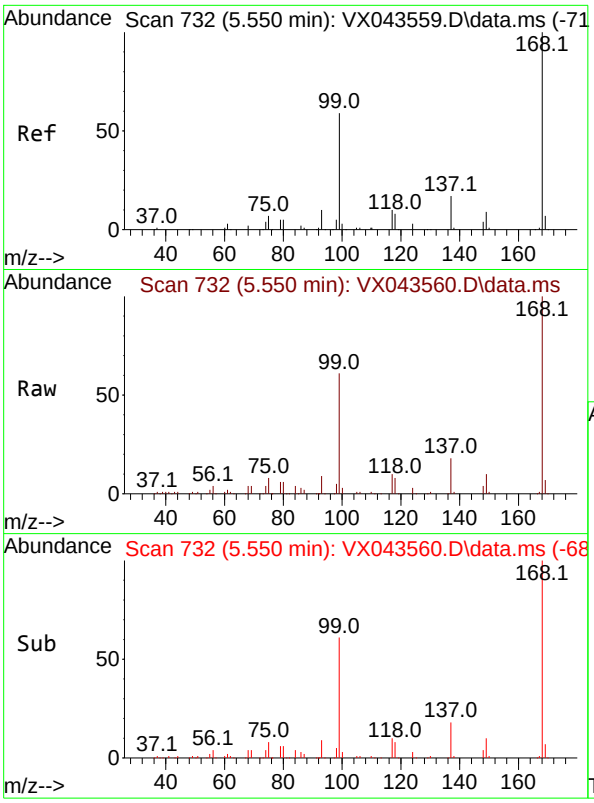
Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

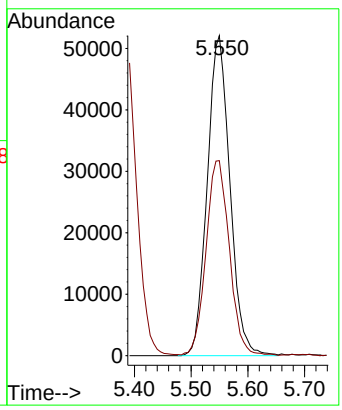




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:168 Resp: 14433

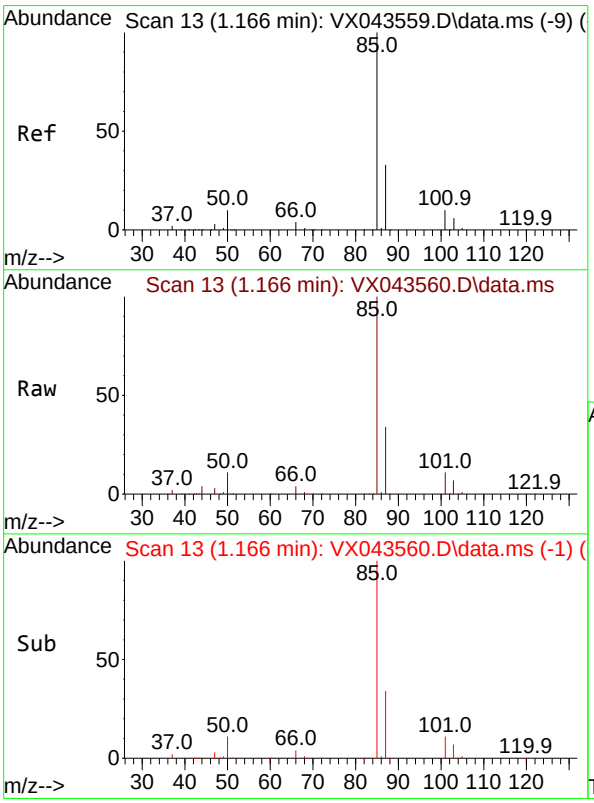
Ion	Ratio	Lower	Upper
168	100		
99	60.8	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

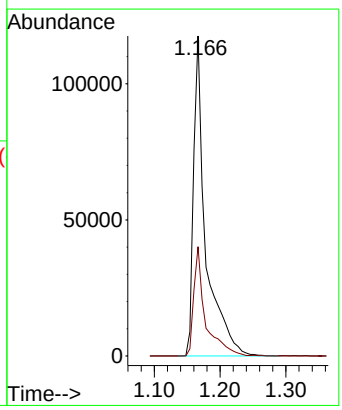
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

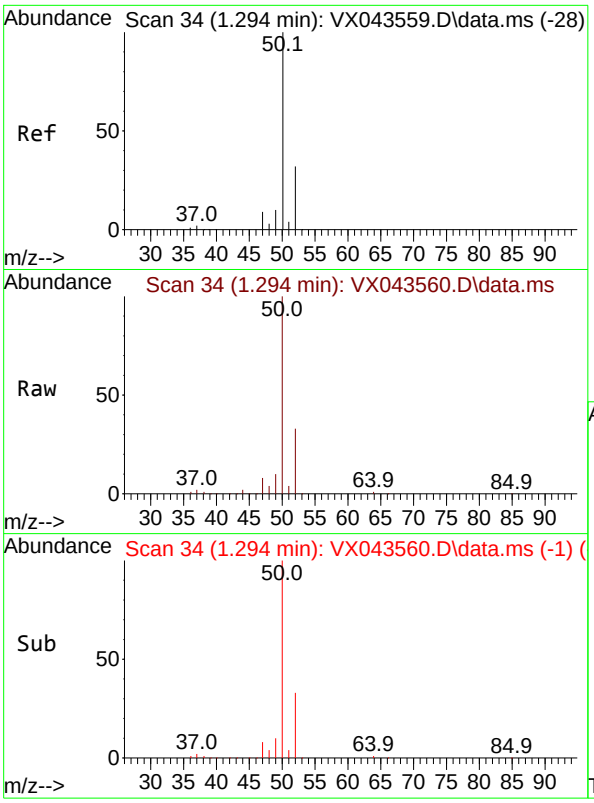


#2
Dichlorodifluoromethane
Concen: 93.662 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 85 Resp: 150686

Ion	Ratio	Lower	Upper
85	100		
87	34.2	15.7	47.0

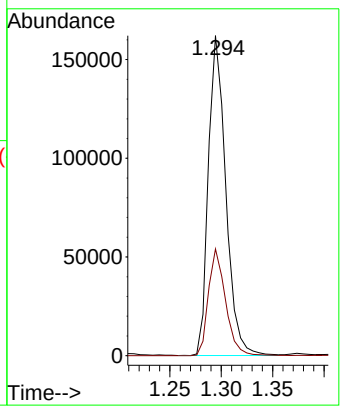




#3
Chloromethane
Concen: 93.138 ug/l
RT: 1.294 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 50 Resp: 19116

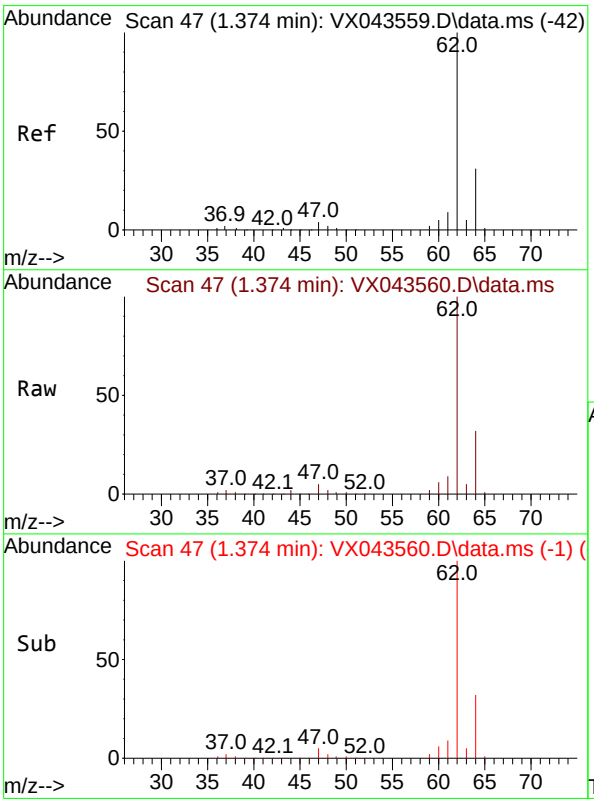
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

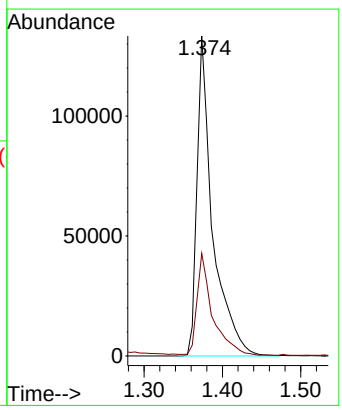
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

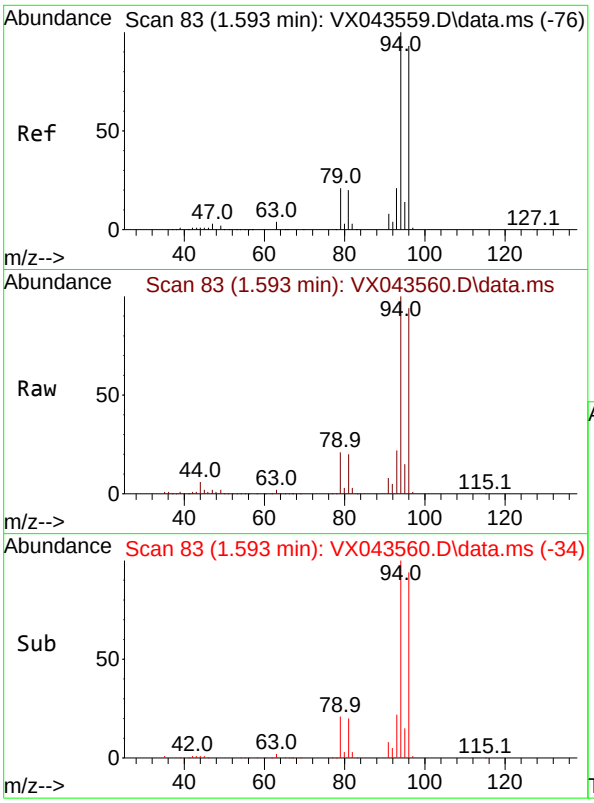


#4
Vinyl Chloride
Concen: 99.351 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 62 Resp: 185746

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.0	37.4





#5
Bromomethane
Concen: 102.844 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

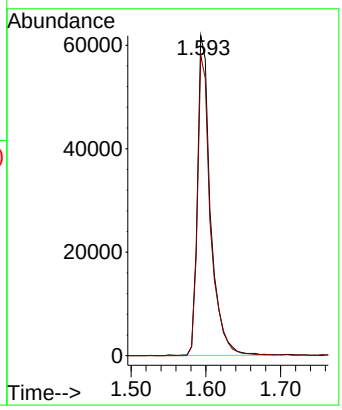
Tgt Ion: 94 Resp: 7510

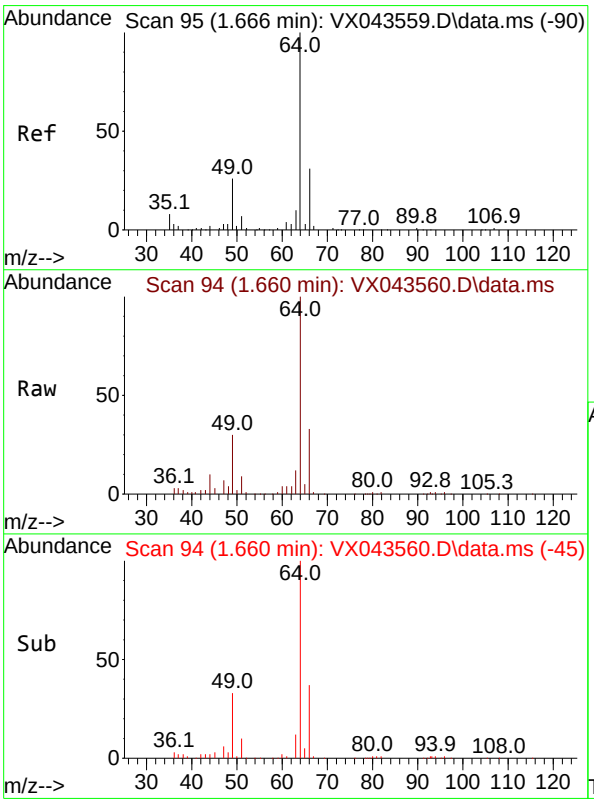
Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

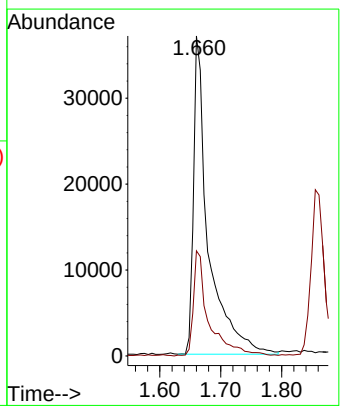


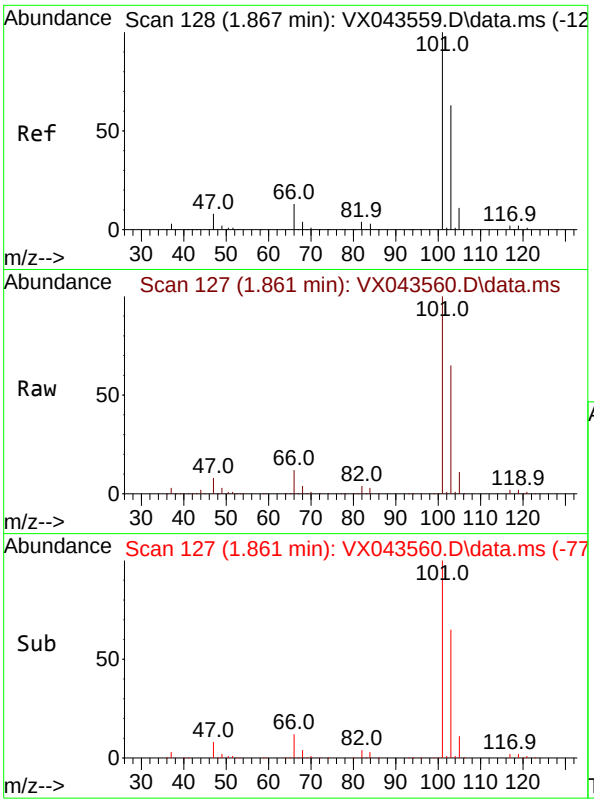


#6
Chloroethane
Concen: 102.264 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 64 Resp: 62560

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.1	37.7

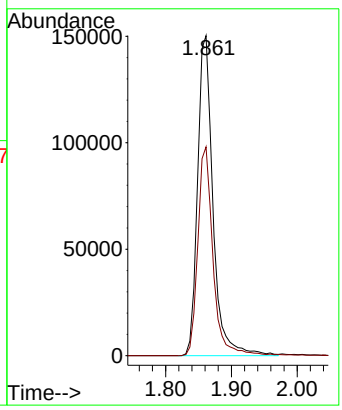




#7
Trichlorofluoromethane
Concen: 99.580 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:101 Resp: 24434

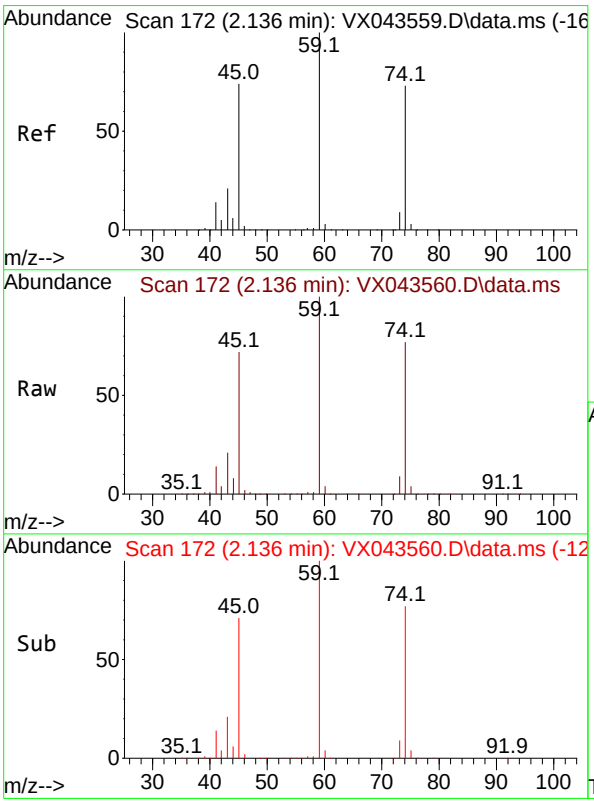
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

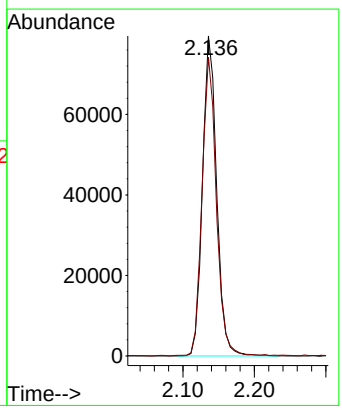
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

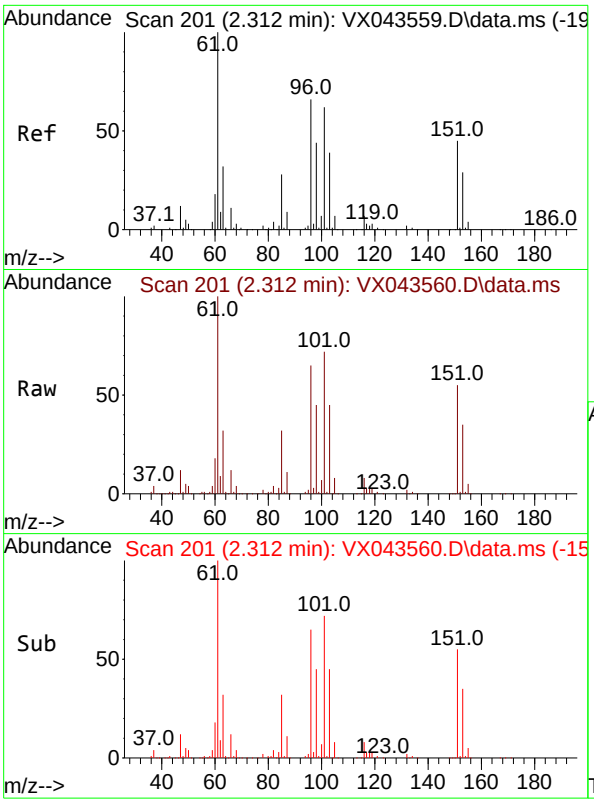


#8
Diethyl Ether
Concen: 101.725 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 74 Resp: 109025

Ion	Ratio	Lower	Upper
74	100		
45	95.2	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.462 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

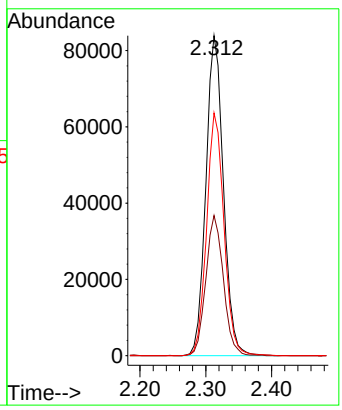
Tgt Ion:101 Resp: 15559

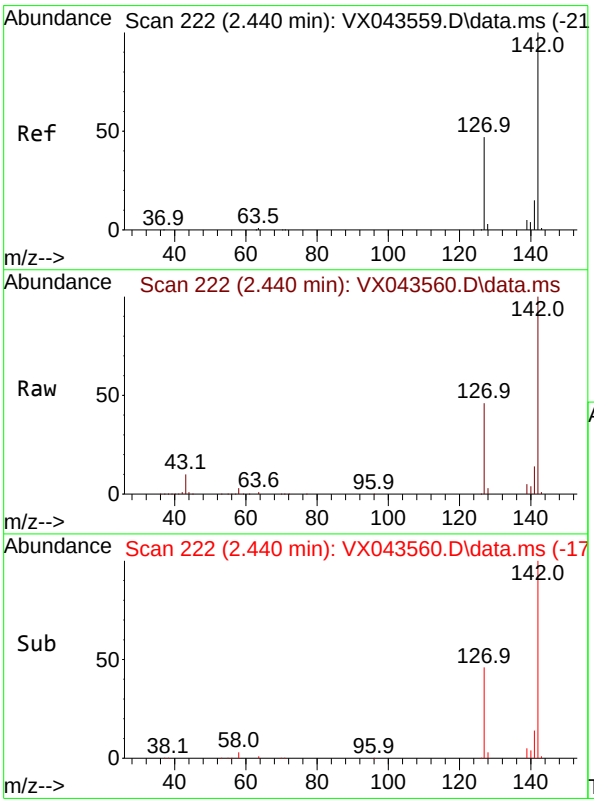
Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.5	51.7
151	75.3	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

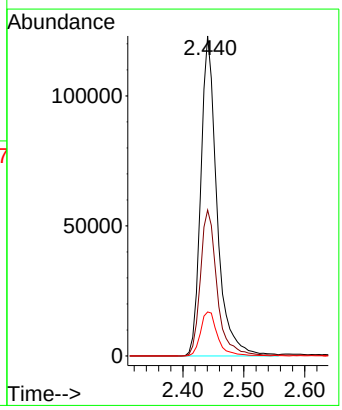


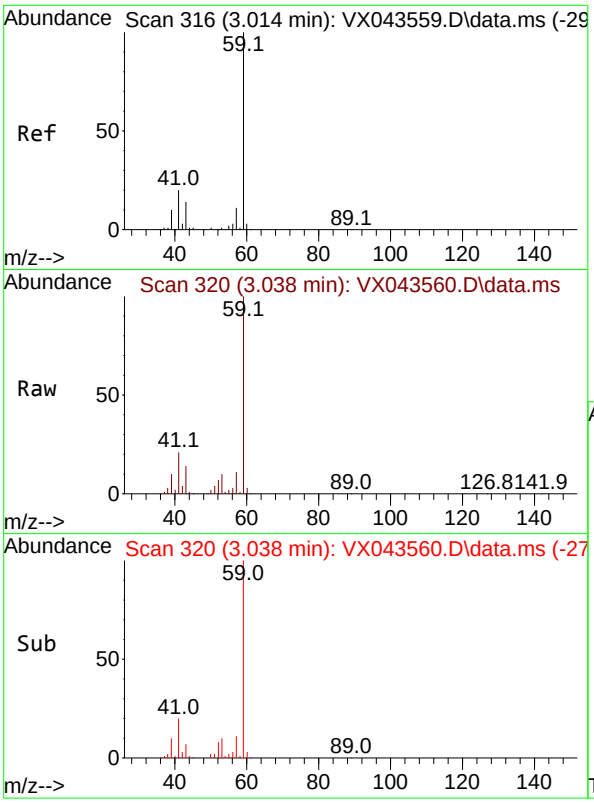


#10
Methyl Iodide
Concen: 106.257 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:142 Resp: 227894

Ion	Ratio	Lower	Upper
142	100		
127	46.9	38.2	57.4
141	14.6	11.5	17.3

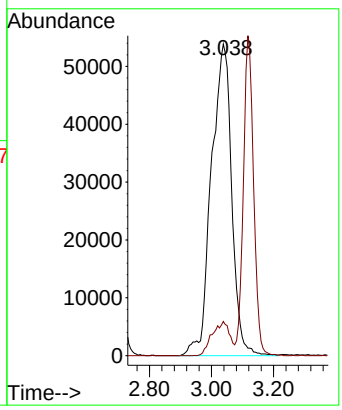




#11
Tert butyl alcohol
Concen: 501.973 ug/l
RT: 3.038 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 59 Resp: 24546

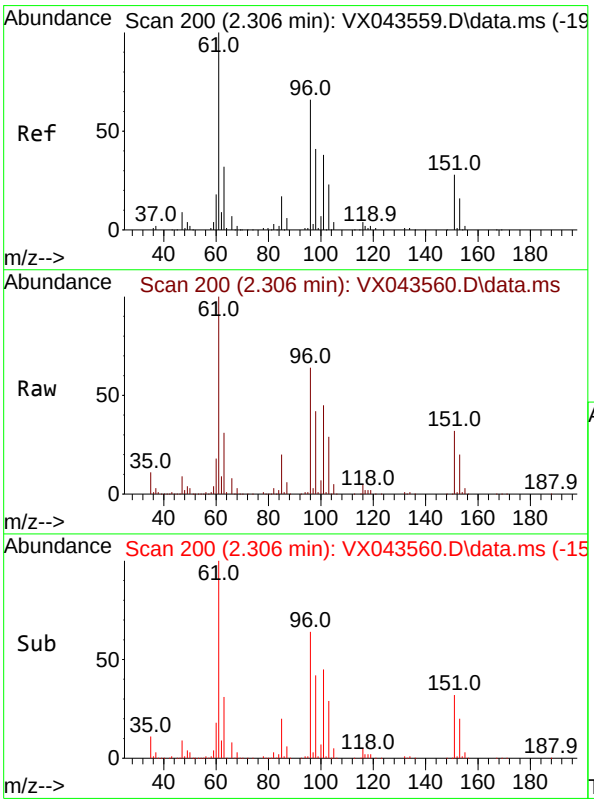
Ion	Ratio	Lower	Upper
59	100		
57	9.6	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

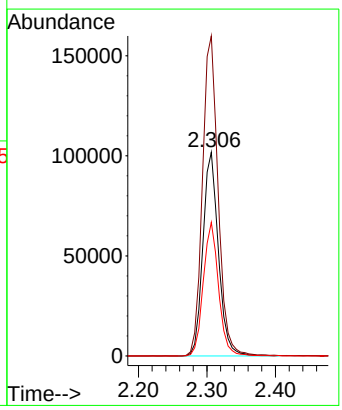
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

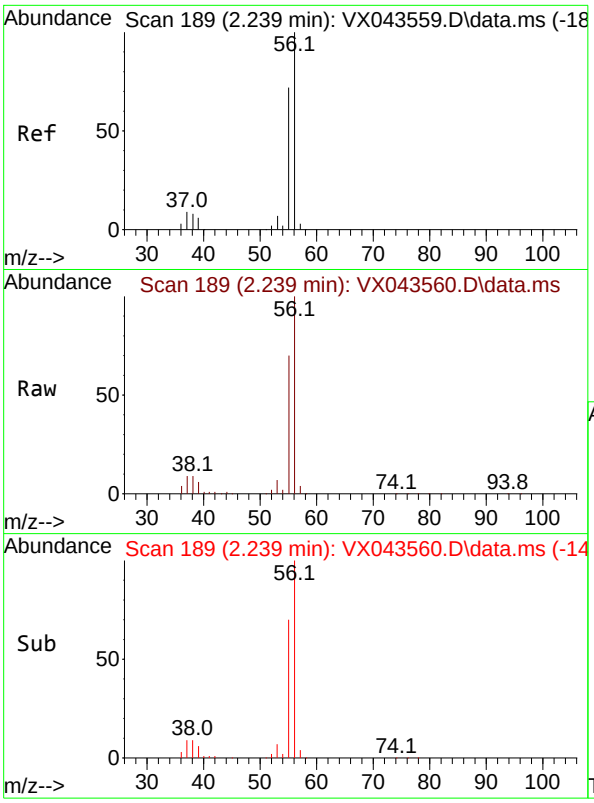


#12
1,1-Dichloroethene
Concen: 105.446 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 96 Resp: 160565

Ion	Ratio	Lower	Upper
96	100		
61	157.1	130.2	195.4
98	65.6	51.0	76.6

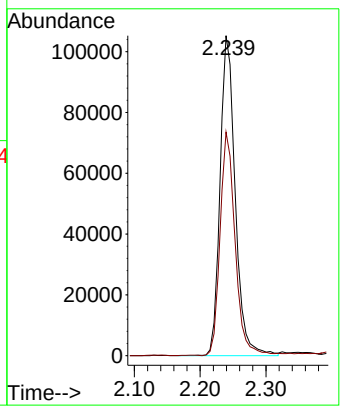




#13
Acrolein
Concen: 437.793 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 56 Resp: 16869

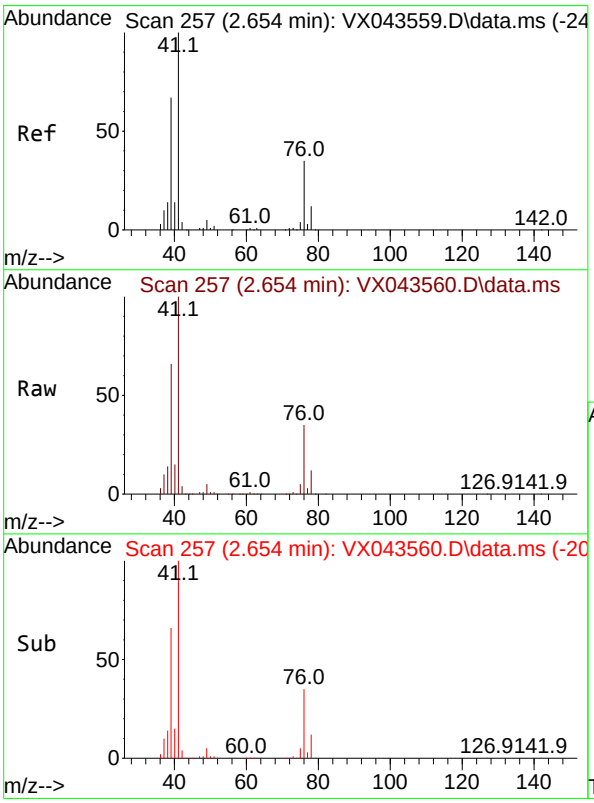
Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

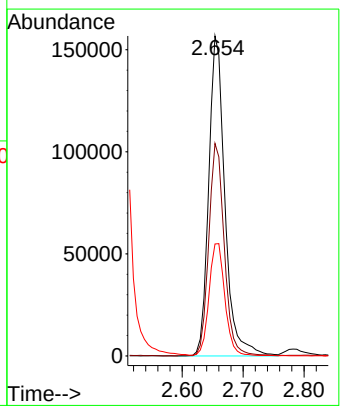
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

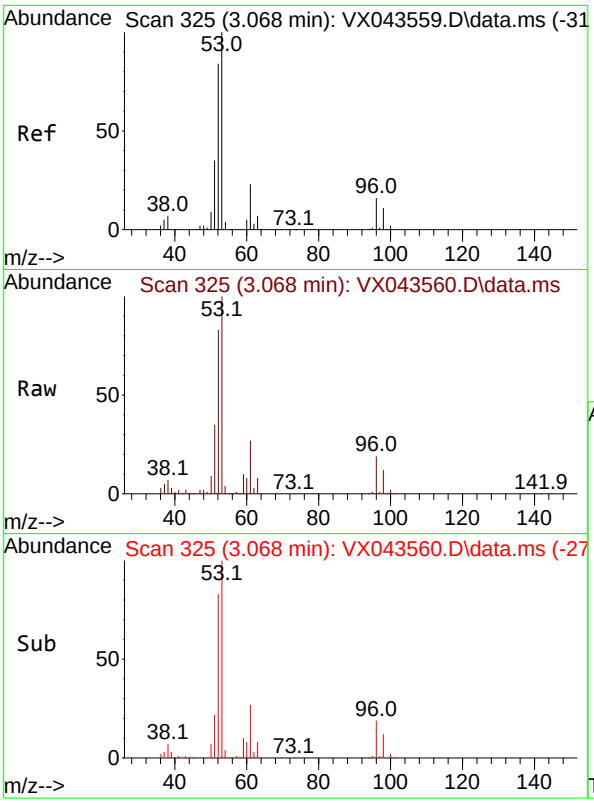


#14
Allyl chloride
Concen: 107.186 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 41 Resp: 289621

Ion	Ratio	Lower	Upper
41	100		
39	63.5	53.2	79.8
76	34.3	27.0	40.6

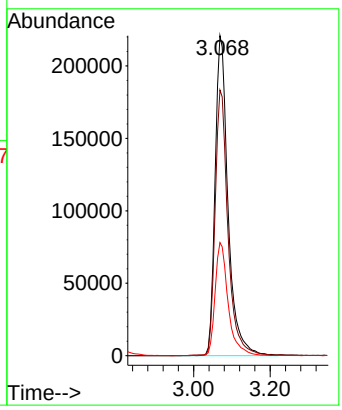




#15
Acrylonitrile
Concen: 479.012 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 53 Resp: 51888

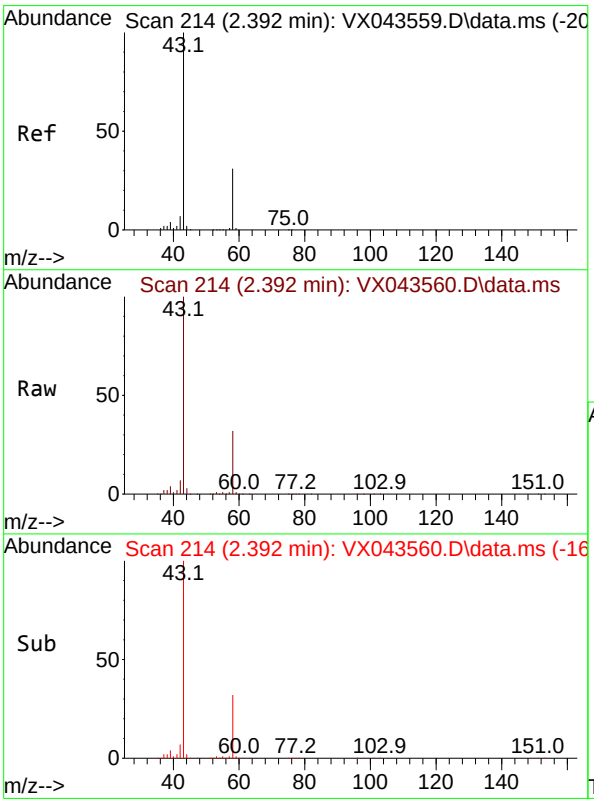
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.6
51	35.5	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

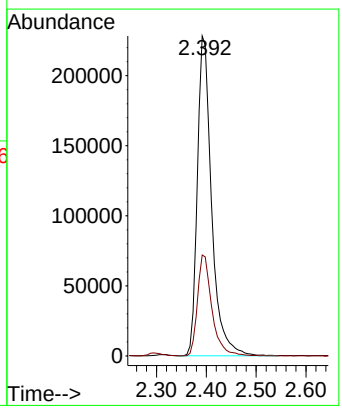
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

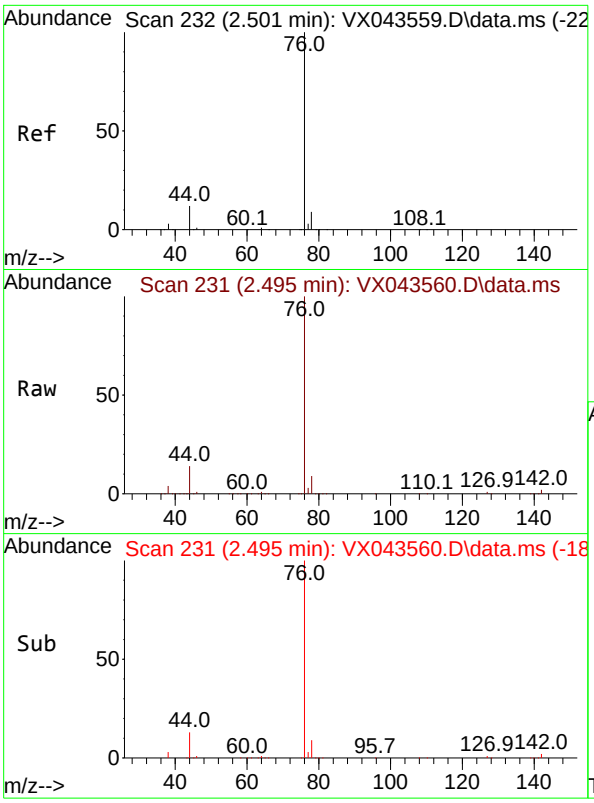


#16
Acetone
Concen: 463.114 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 452601

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.1	37.7





#17
Carbon Disulfide
Concen: 120.001 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

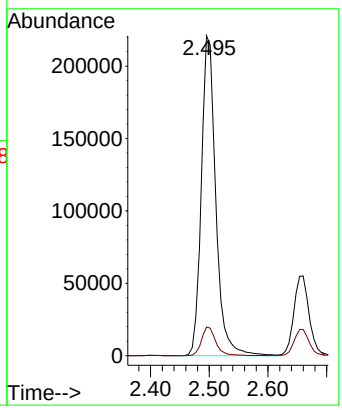
Tgt Ion: 76 Resp: 37822

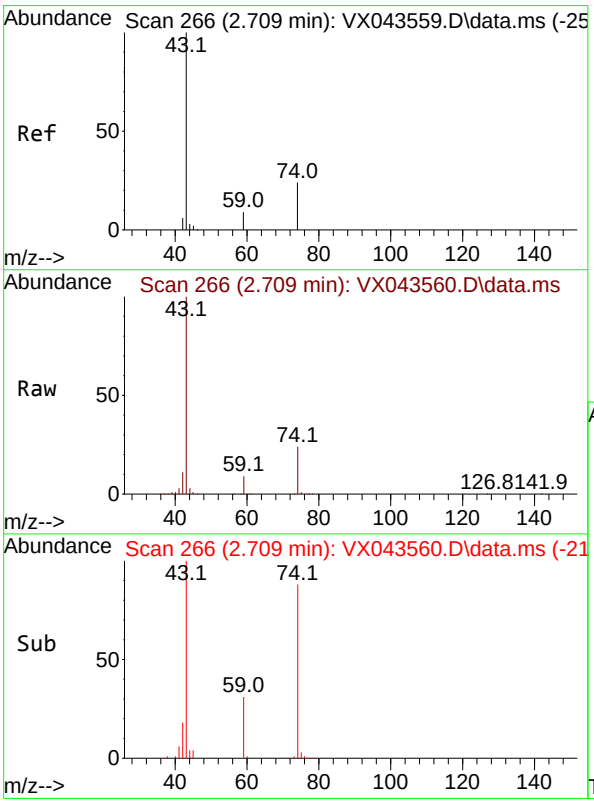
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

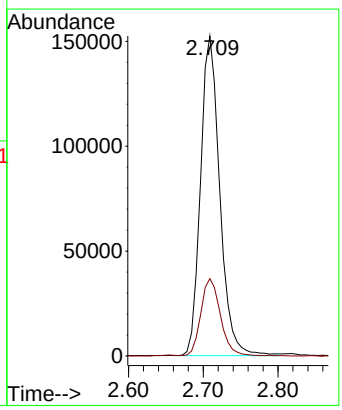


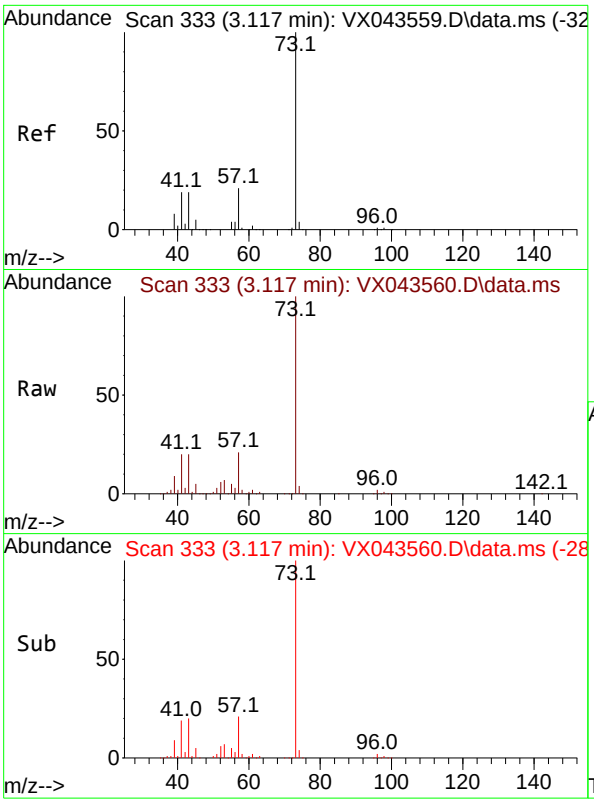


#18
Methyl Acetate
Concen: 92.847 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 272708

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.1	28.7

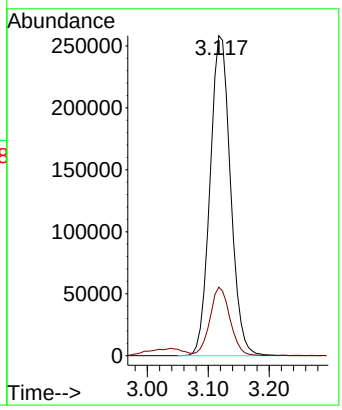




#19
Methyl tert-butyl Ether
Concen: 101.628 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 73 Resp: 60211

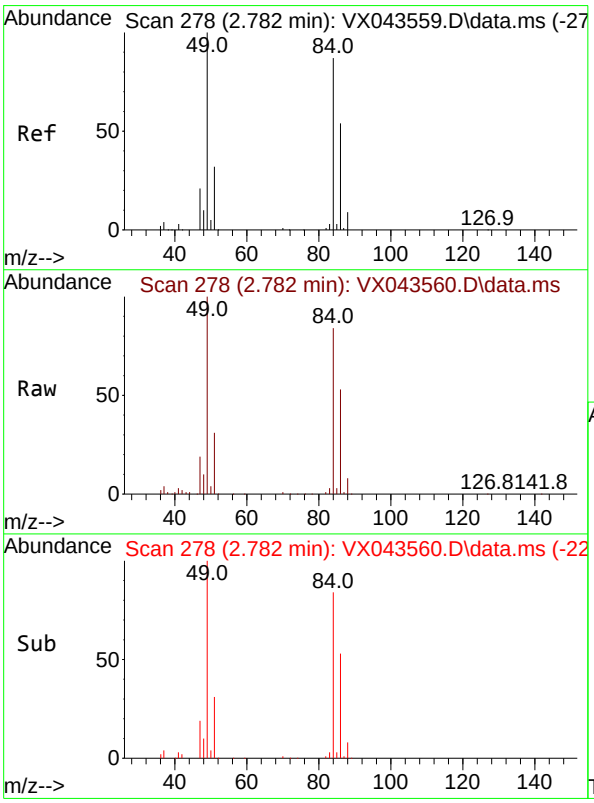
Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

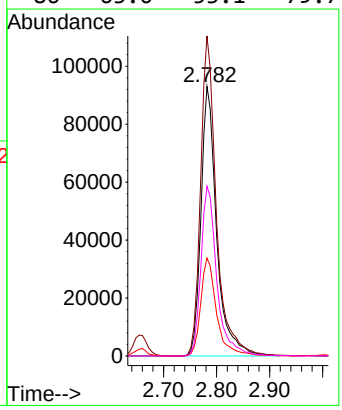
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

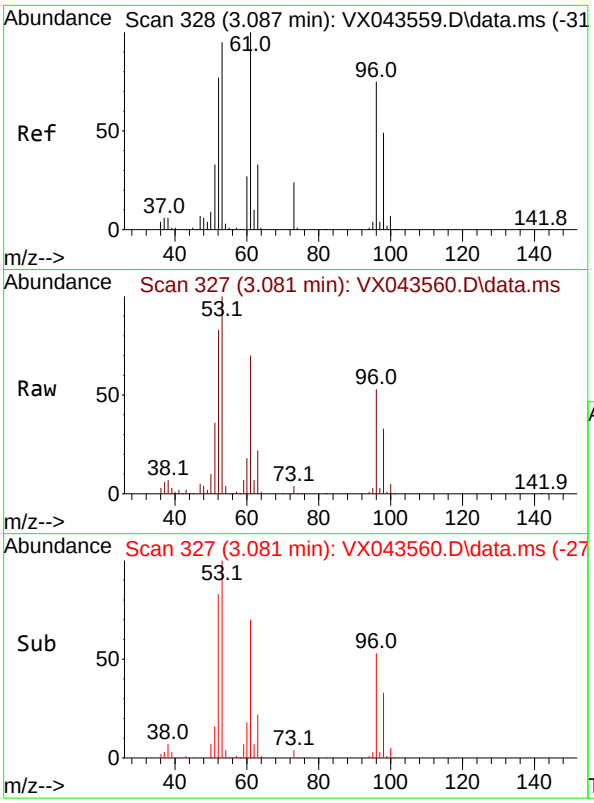


#20
Methylene Chloride
Concen: 100.449 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 84 Resp: 191848

Ion	Ratio	Lower	Upper
84	100		
49	118.8	97.0	145.6
51	36.3	29.8	44.8
86	63.0	53.1	79.7

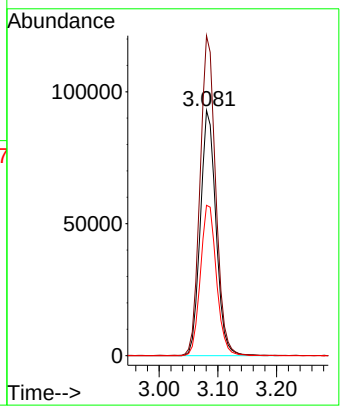




#21
trans-1,2-Dichloroethene
Concen: 103.973 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 96 Resp: 17140

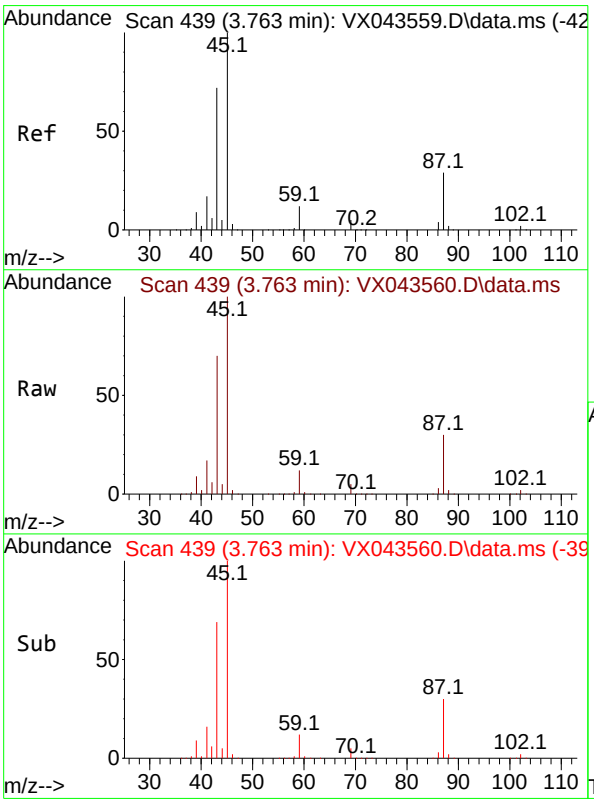
Ion	Ratio	Lower	Upper
96	100		
61	130.3	107.1	160.7
98	61.3	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

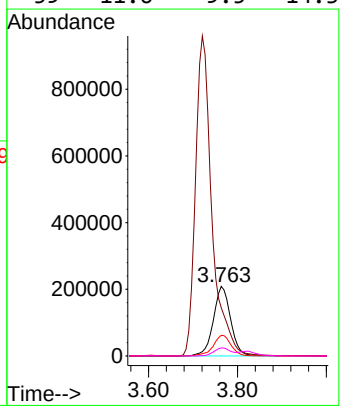
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

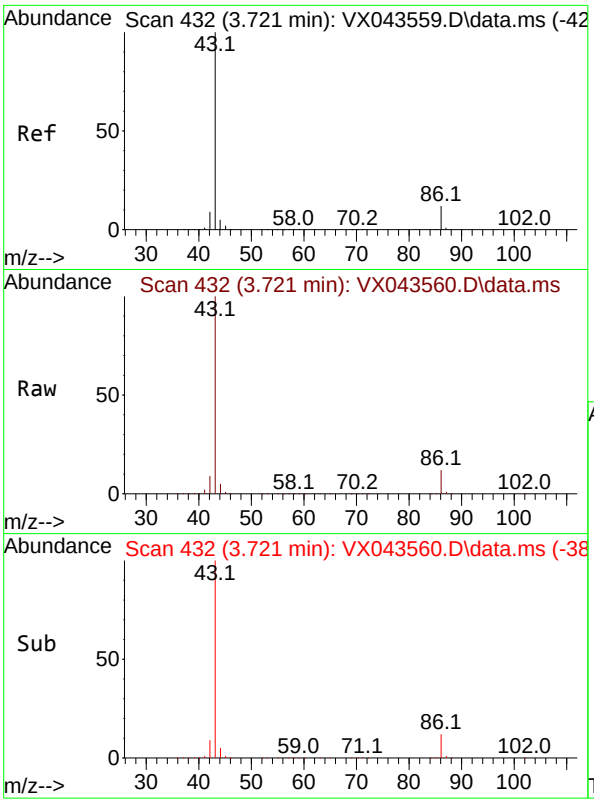


#22
Diisopropyl ether
Concen: 100.525 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 45 Resp: 560616

Ion	Ratio	Lower	Upper
45	100		
43	69.5	60.6	90.8
87	29.7	22.0	33.0
59	11.6	9.5	14.3





#23
Vinyl Acetate
Concen: 534.476 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

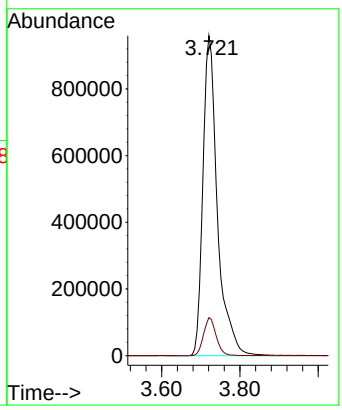
Tgt Ion: 43 Resp: 246244

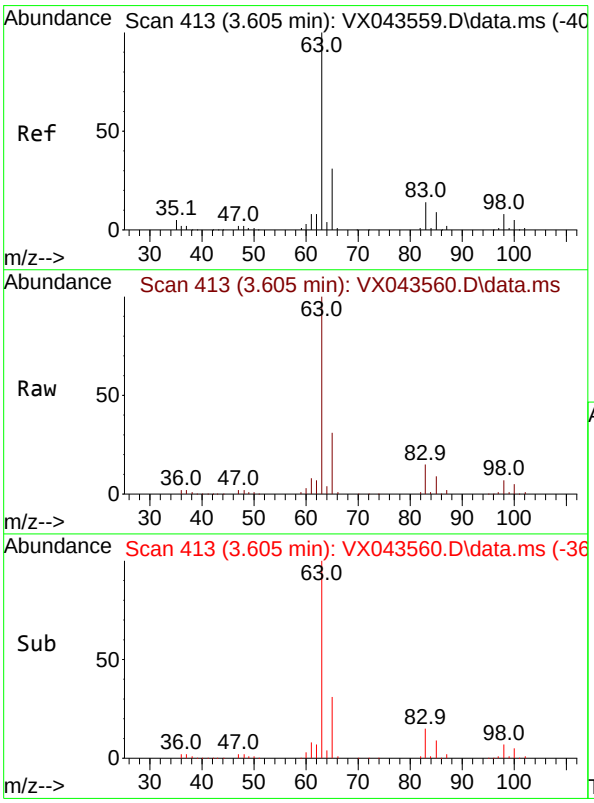
Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

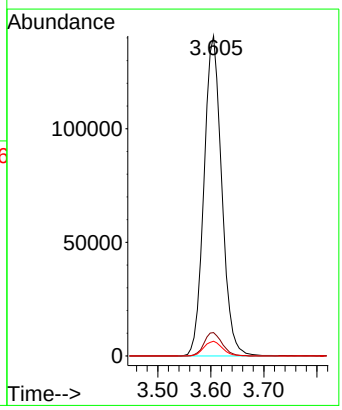


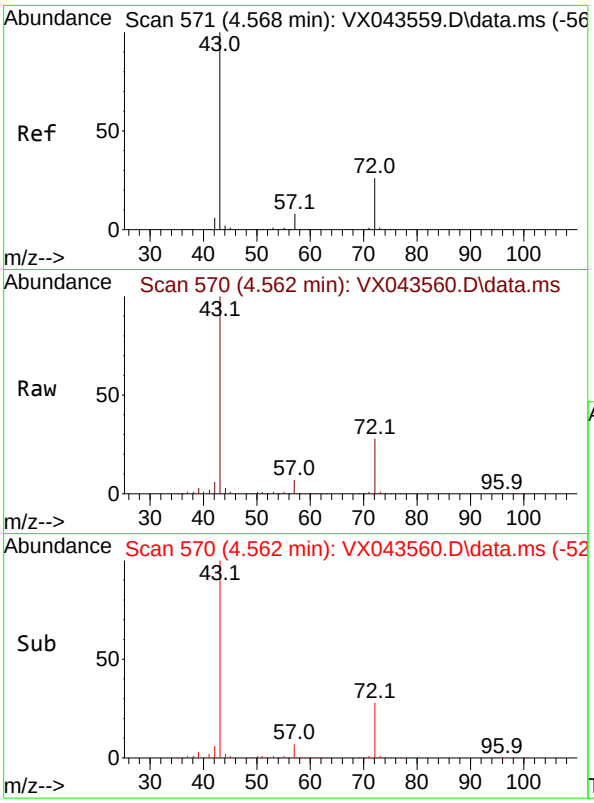


#24
1,1-Dichloroethane
Concen: 104.117 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 63 Resp: 327525

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.6	2.4	7.2

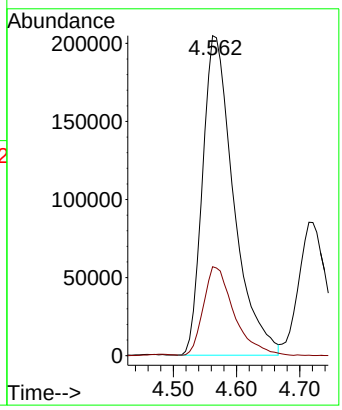




#25
2-Butanone
Concen: 470.613 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 69854

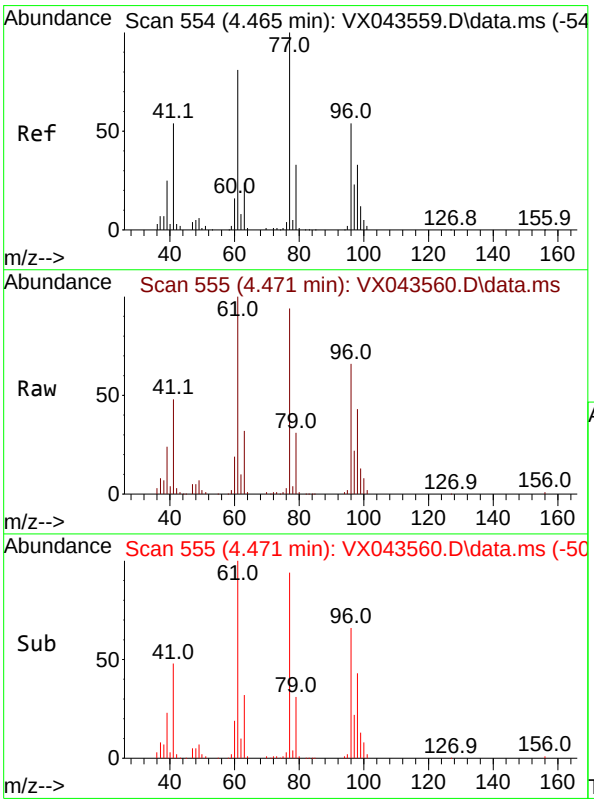
Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

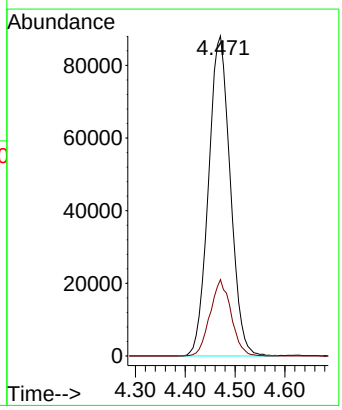
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

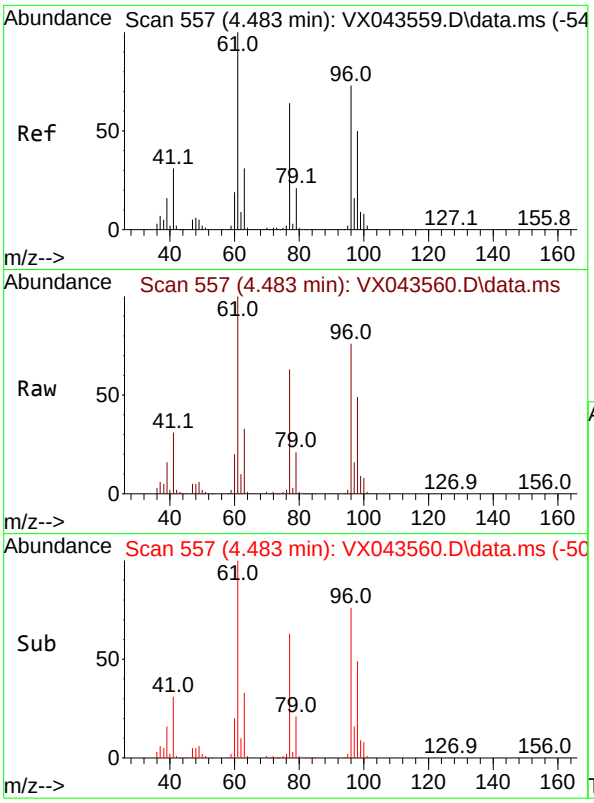


#26
2,2-Dichloropropane
Concen: 117.781 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 77 Resp: 267036

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 105.006 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

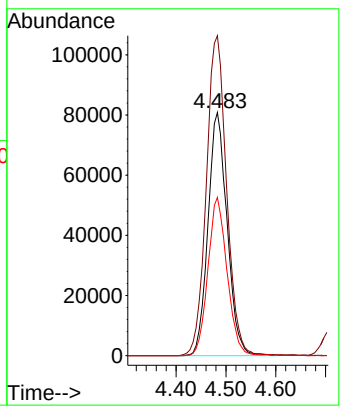
Tgt Ion: 96 Resp: 21568

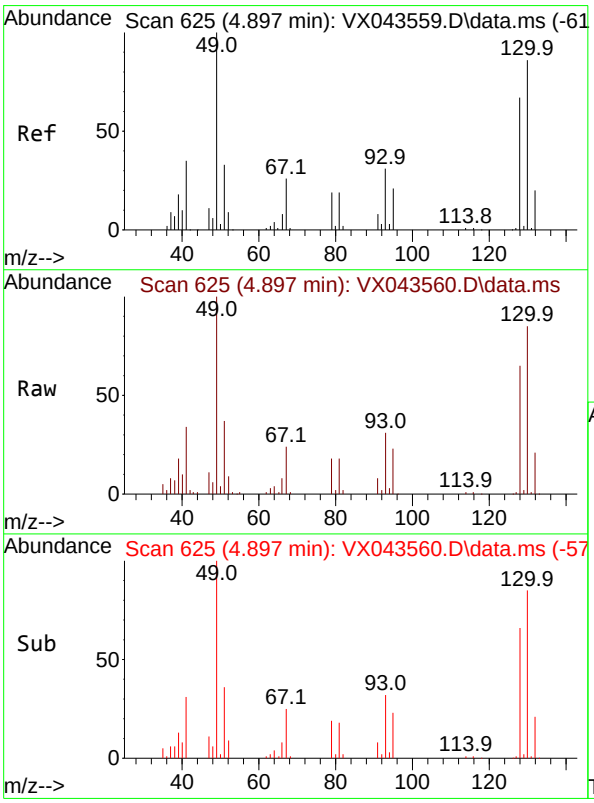
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	277.2
98	64.9	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

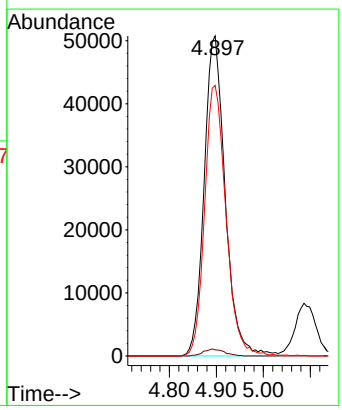


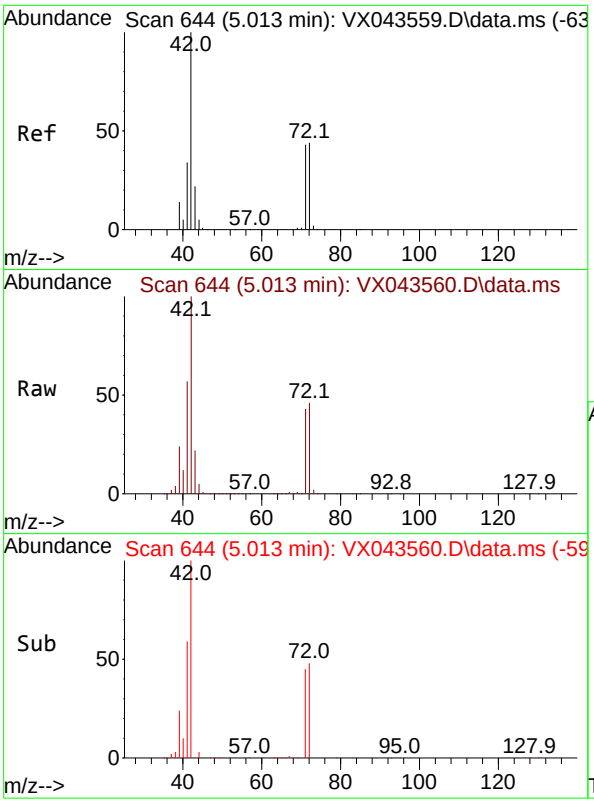


#28
Bromochloromethane
Concen: 101.175 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 49 Resp: 157450

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.1	67.8	101.8

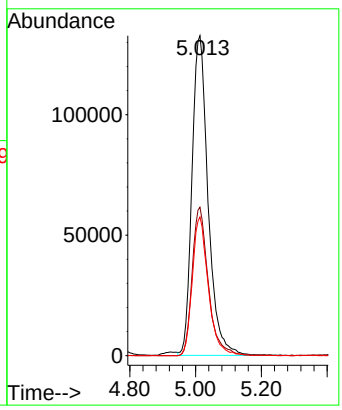




#29
Tetrahydrofuran
Concen: 464.302 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 42 Resp: 449999

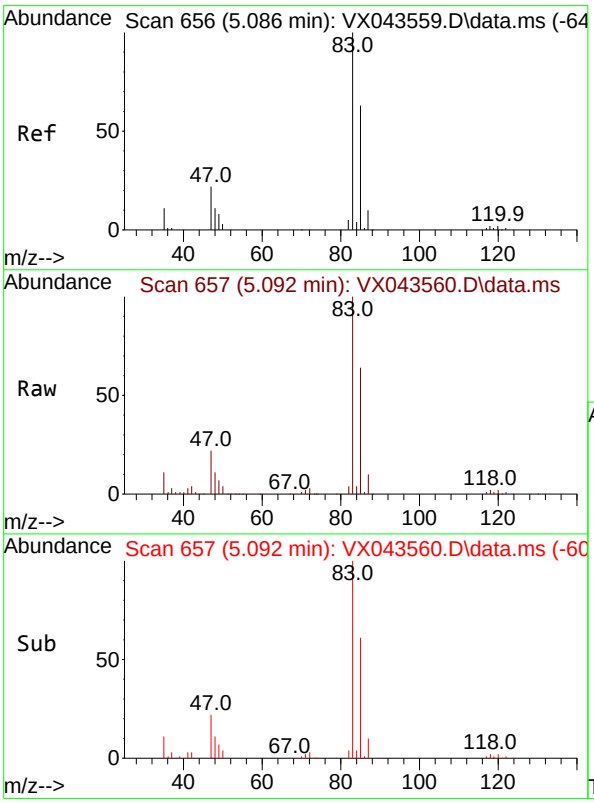
Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.6	55.0
71	43.2	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

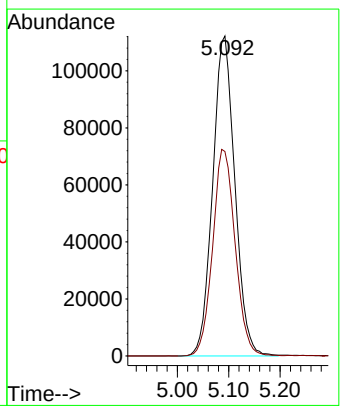
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

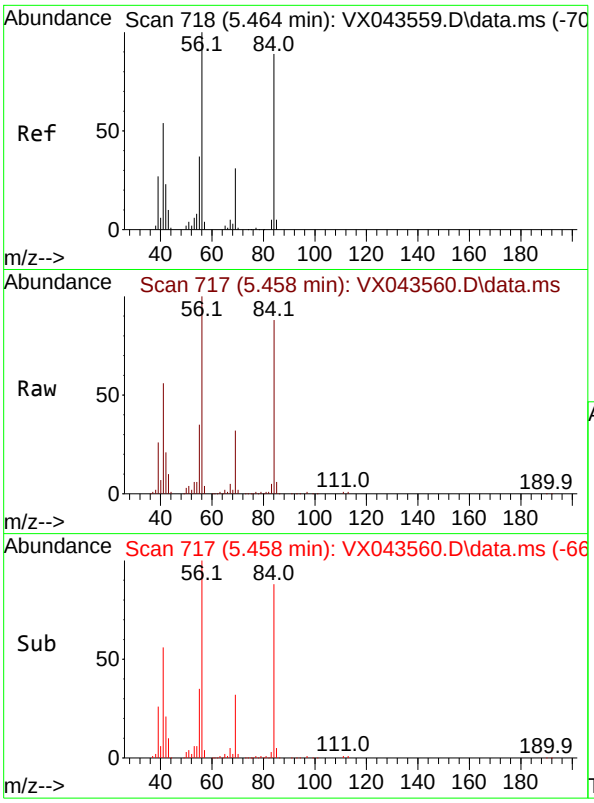


#30
Chloroform
Concen: 100.052 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 83 Resp: 336574

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4

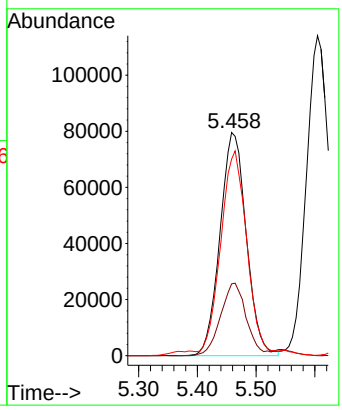




#31
Cyclohexane
Concen: 99.138 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 56 Resp: 24743

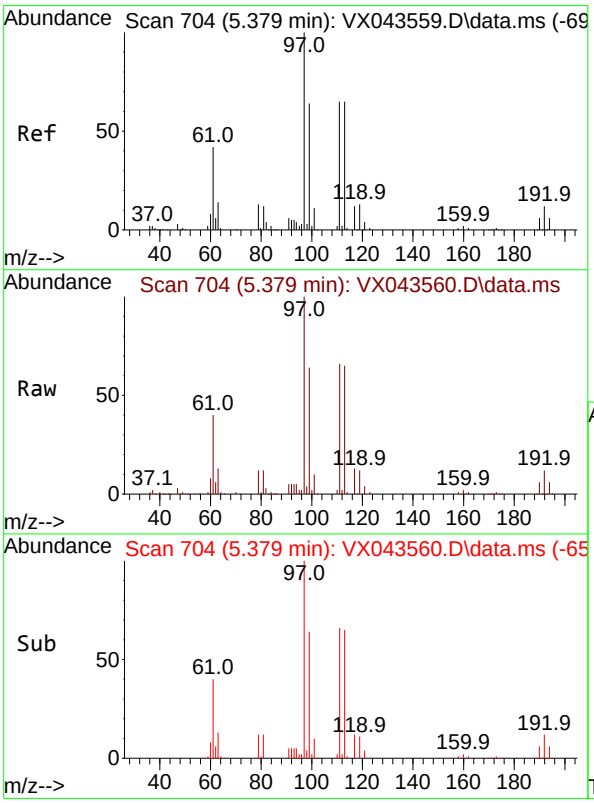
Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.9	37.3
84	86.2	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

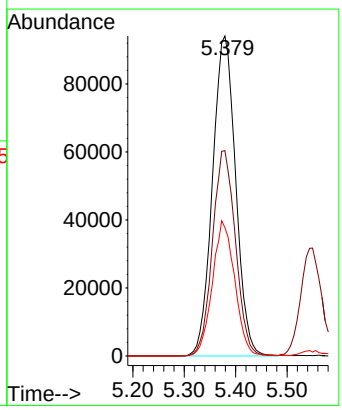
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

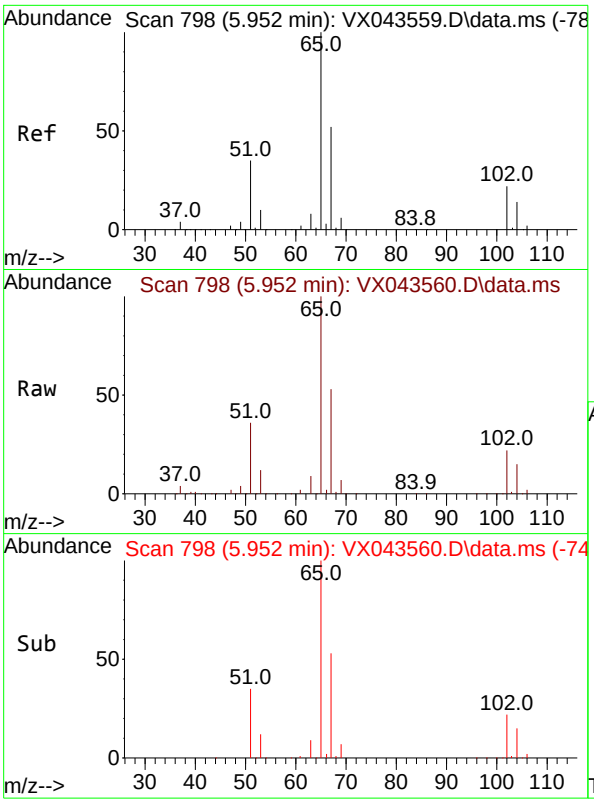


#32
1,1,1-Trichloroethane
Concen: 104.159 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 97 Resp: 294454

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	40.9	34.0	51.0





#33
1,2-Dichloroethane-d4
Concen: 97.169 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

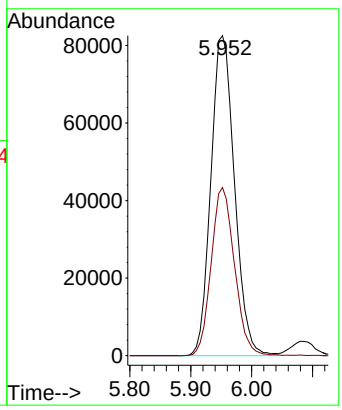
Tgt Ion: 65 Resp: 22247

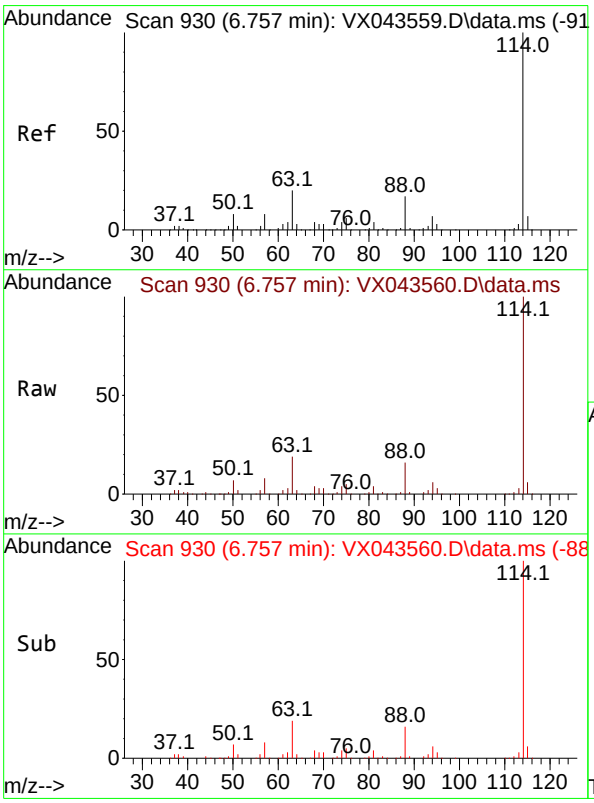
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

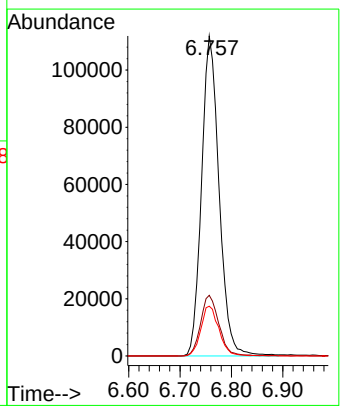


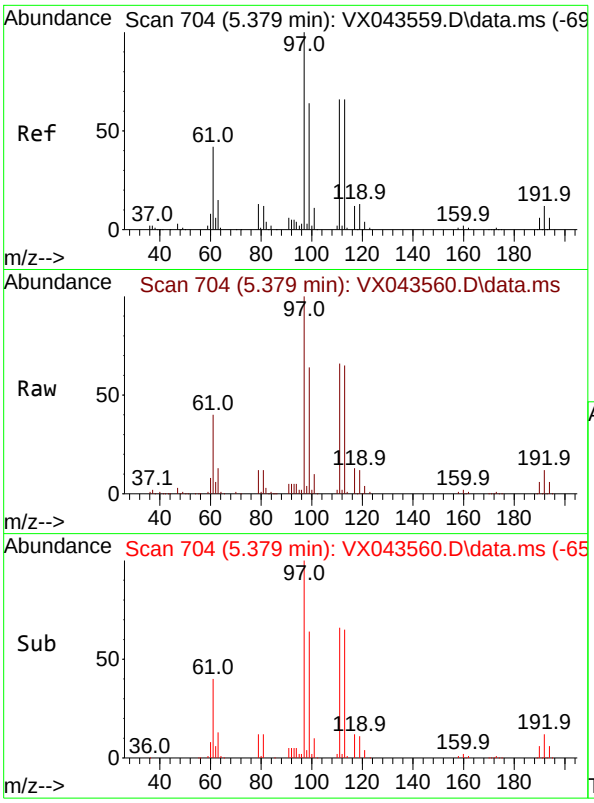


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:114 Resp: 265513

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	41.2
88	15.6	0.0	34.0

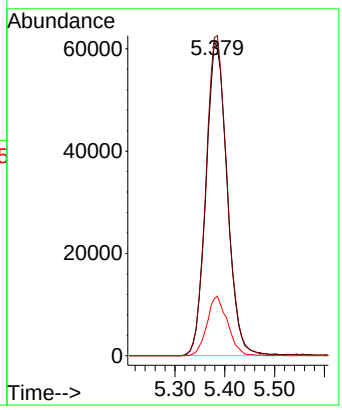




#35
Dibromofluoromethane
Concen: 102.625 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:113 Resp: 18143

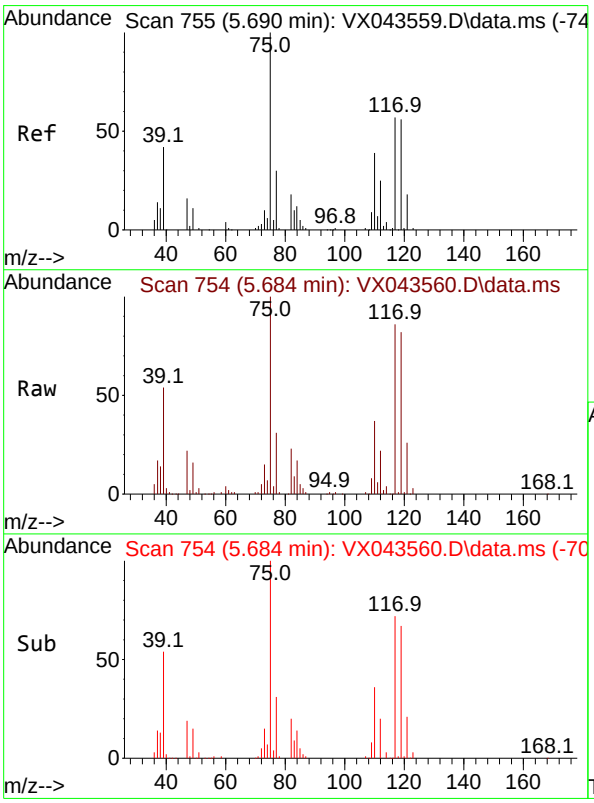
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.5	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

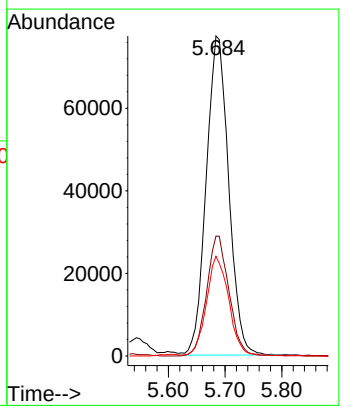
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

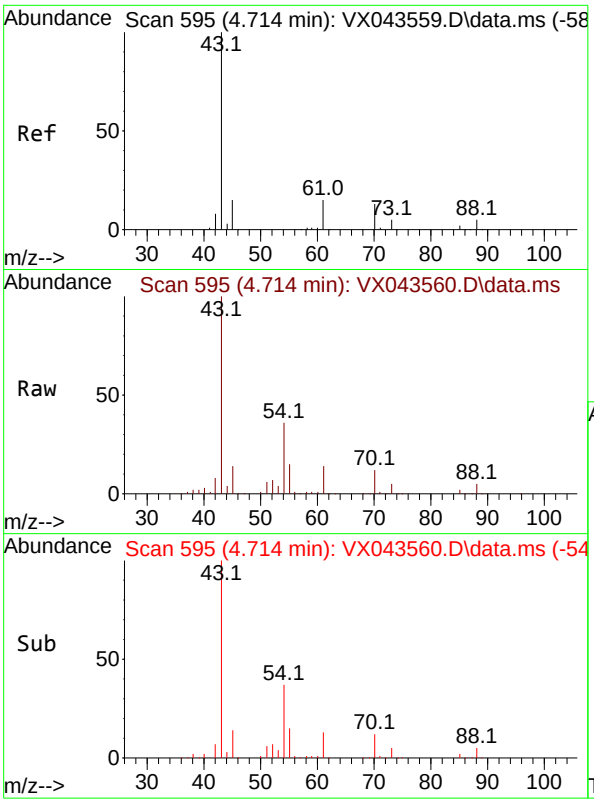


#36
1,1-Dichloropropene
Concen: 101.472 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 212326

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.9	53.7
77	31.3	25.0	37.4

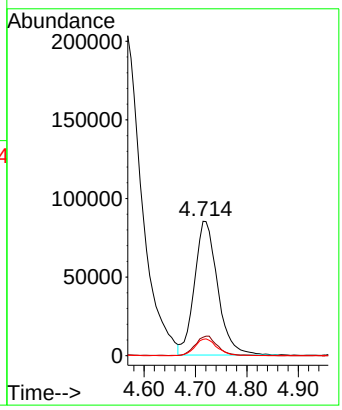




#37
Ethyl Acetate
Concen: 93.461 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 26690

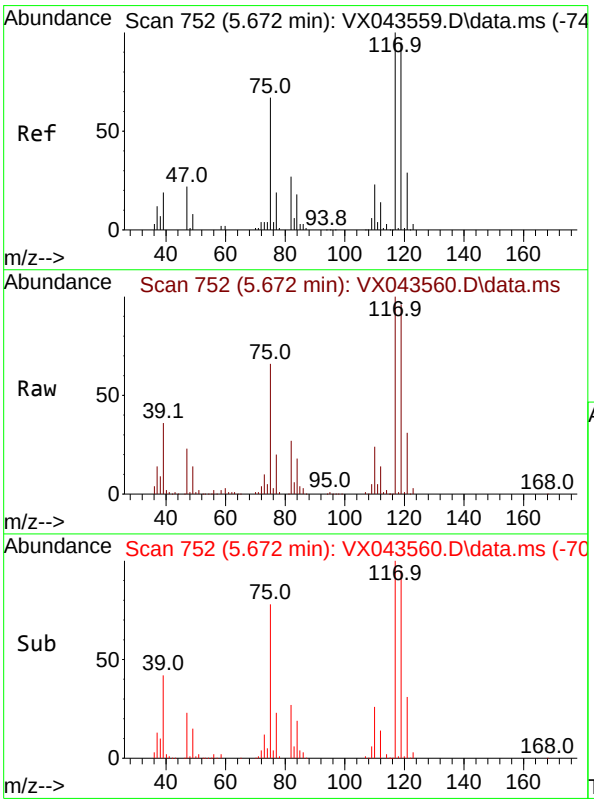
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	12.0	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

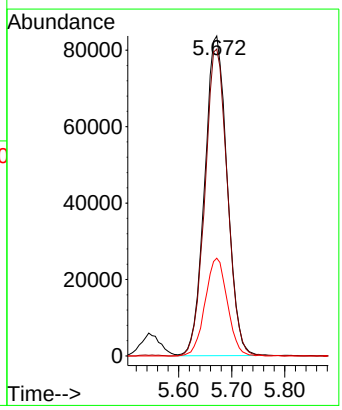
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

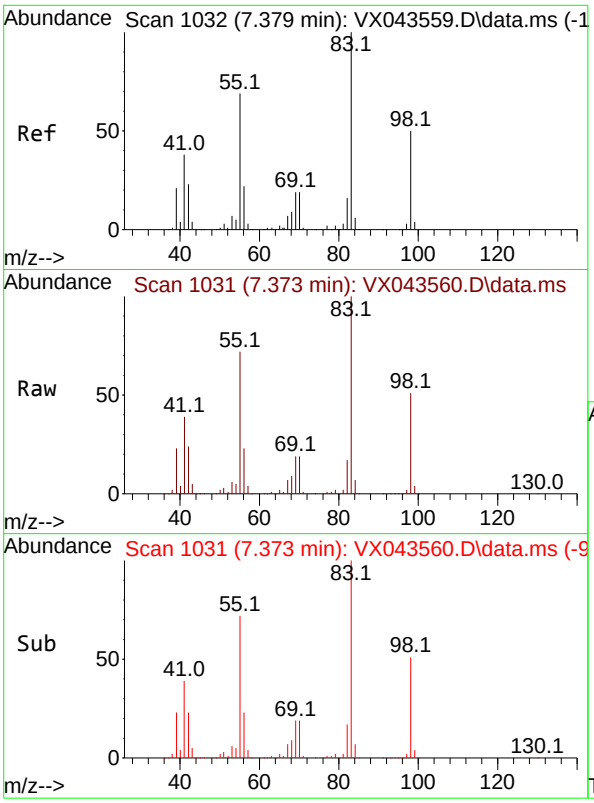


#38
Carbon Tetrachloride
Concen: 103.882 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:117 Resp: 246999

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.6
121	30.6	24.7	37.1





#39
Methylcyclohexane
Concen: 101.398 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

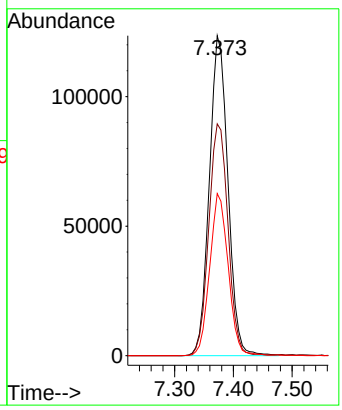
Tgt Ion: 83 Resp: 27209

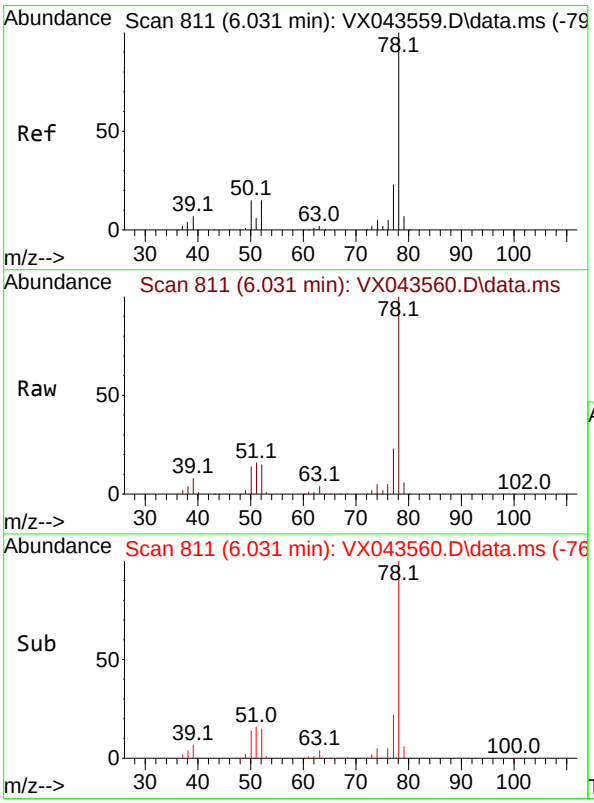
Ion	Ratio	Lower	Upper
83	100		
55	72.5	59.9	89.9
98	50.7	41.3	61.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

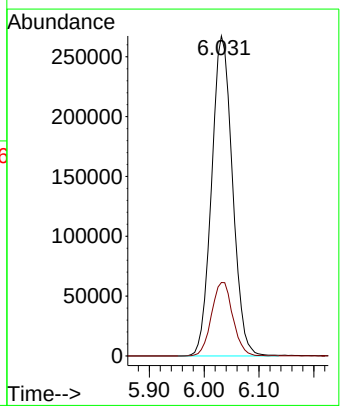


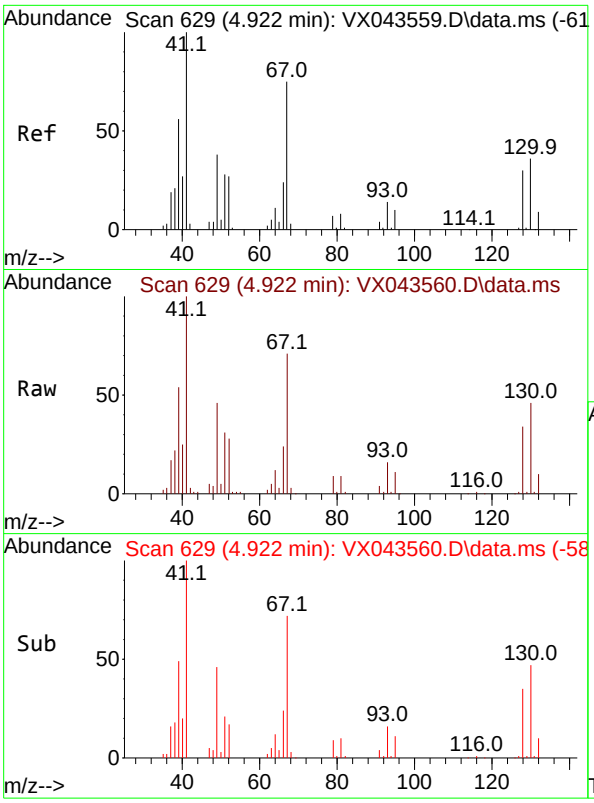


#40
Benzene
Concen: 101.161 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 78 Resp: 707594

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6

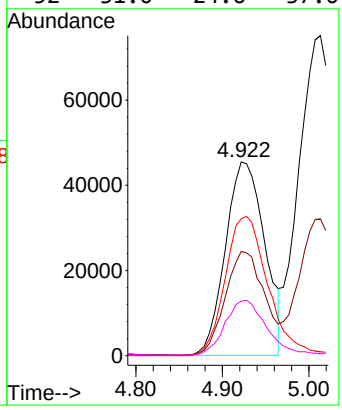




#41
Methacrylonitrile
Concen: 99.633 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 41 Resp: 14311

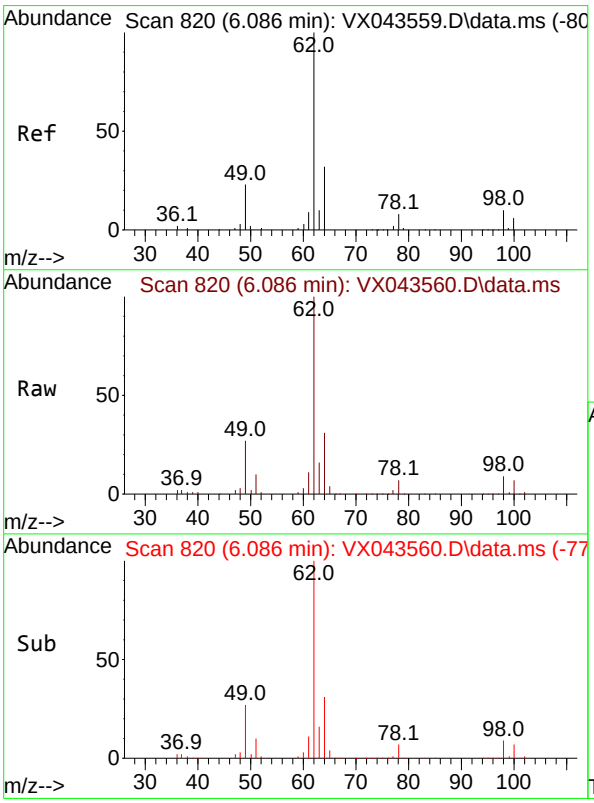
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.5	65.3
67	78.7	58.3	87.5
52	31.0	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

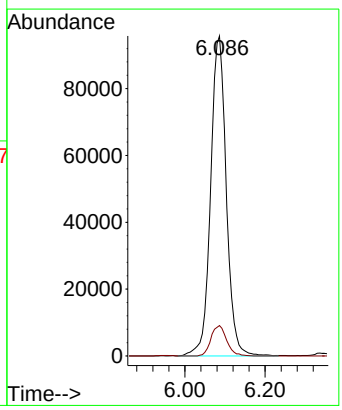
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

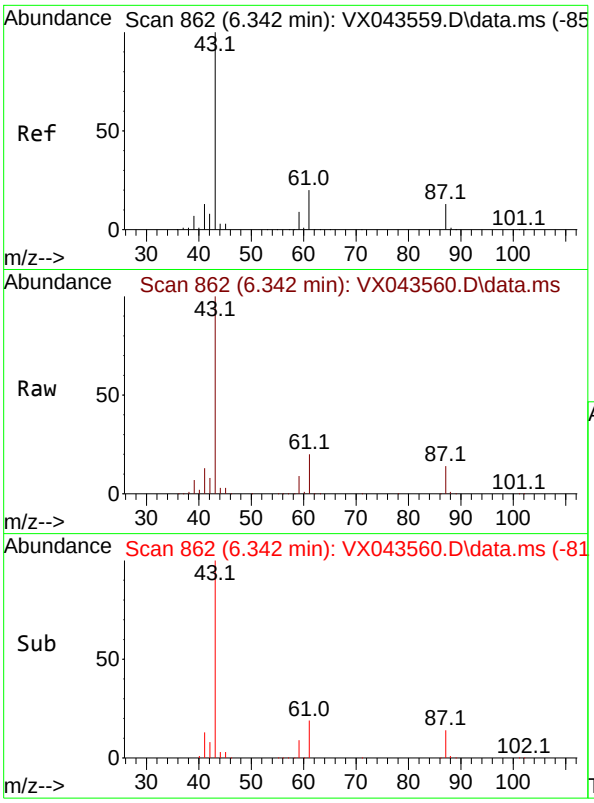


#42
1,2-Dichloroethane
Concen: 100.874 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 62 Resp: 259548

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8

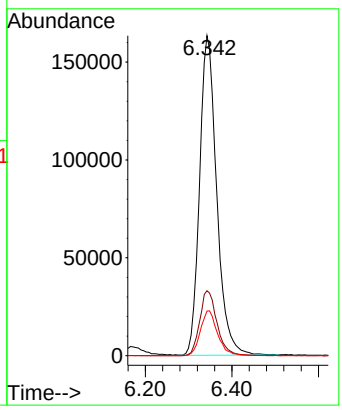




#43
Isopropyl Acetate
Concen: 99.301 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 44858

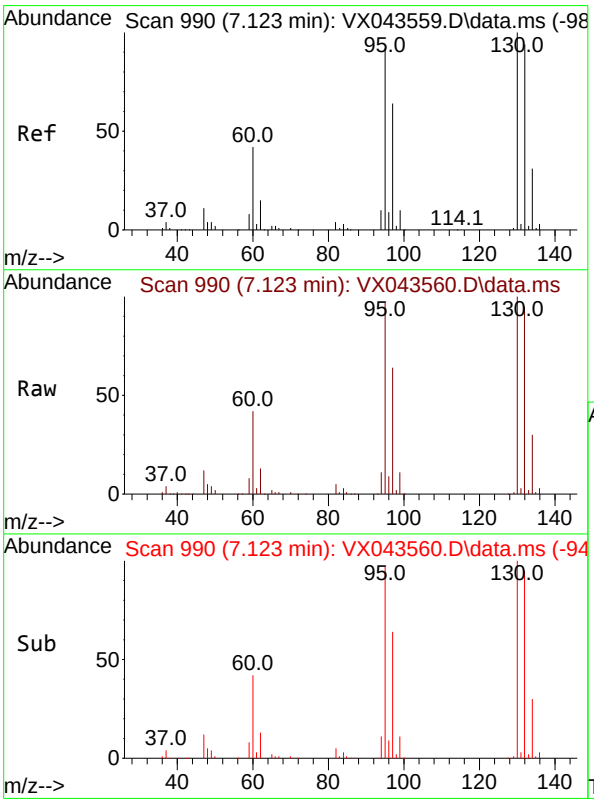
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.4
87	14.1	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

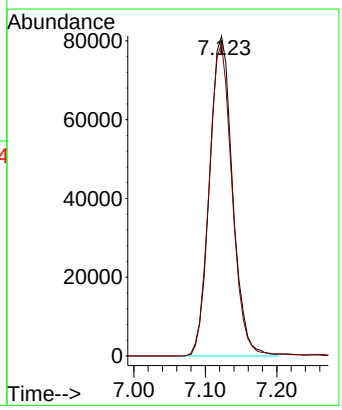
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

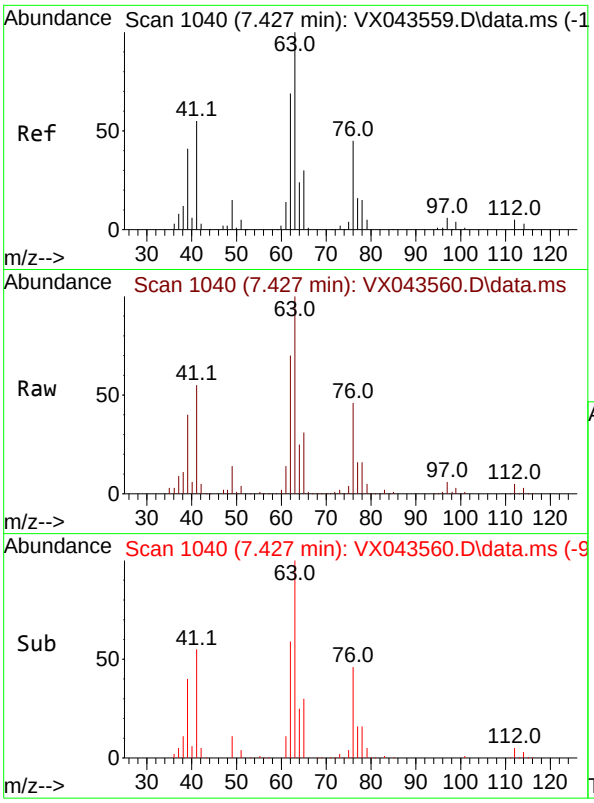


#44
Trichloroethene
Concen: 109.118 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:130 Resp: 180958

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	202.6





#45
1,2-Dichloropropane
Concen: 103.475 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

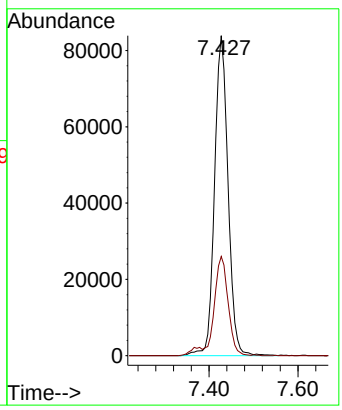
Tgt Ion: 63 Resp: 17674

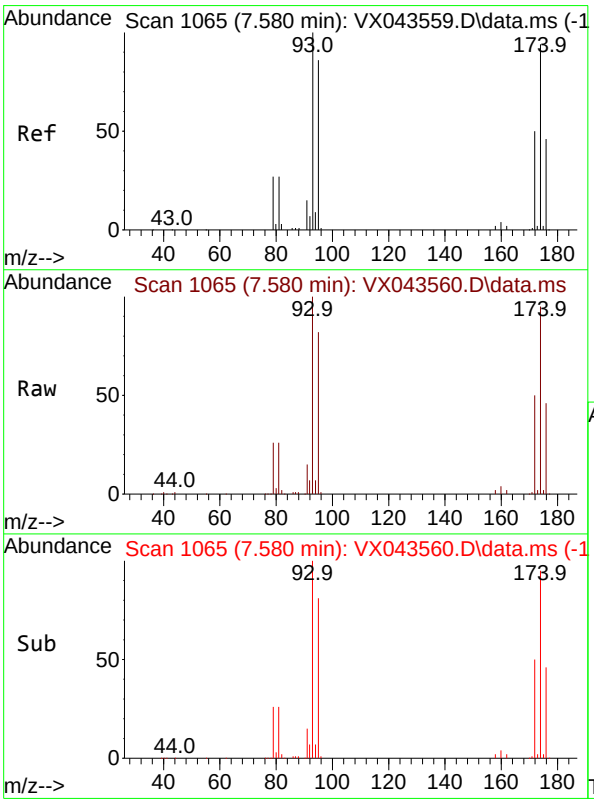
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

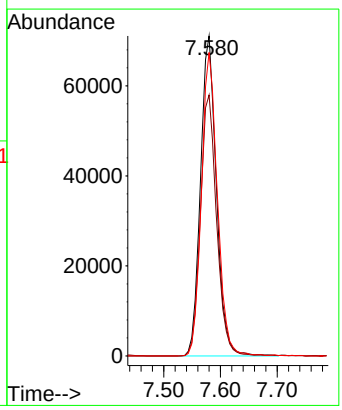


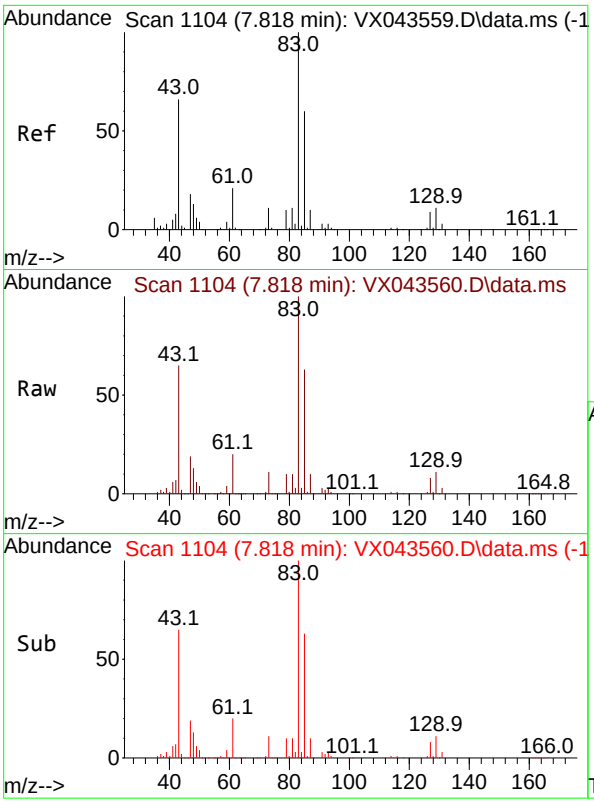


#46
Dibromomethane
Concen: 105.836 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 93 Resp: 138874

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	94.9	75.0	112.4

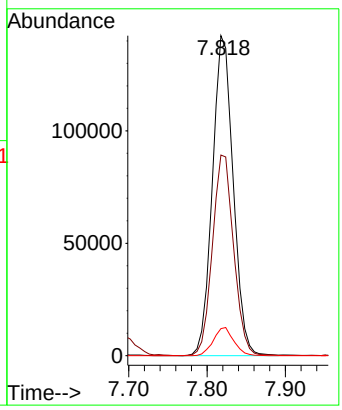




#47
Bromodichloromethane
Concen: 112.832 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 83 Resp: 26265

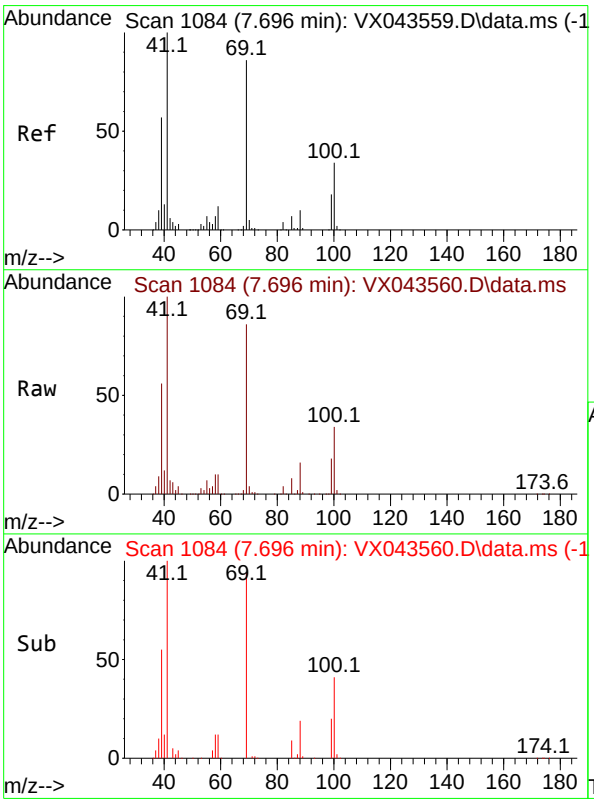
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.4
127	8.5	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

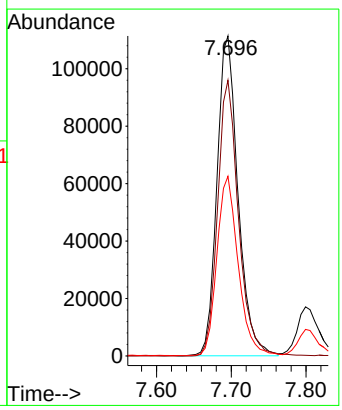
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

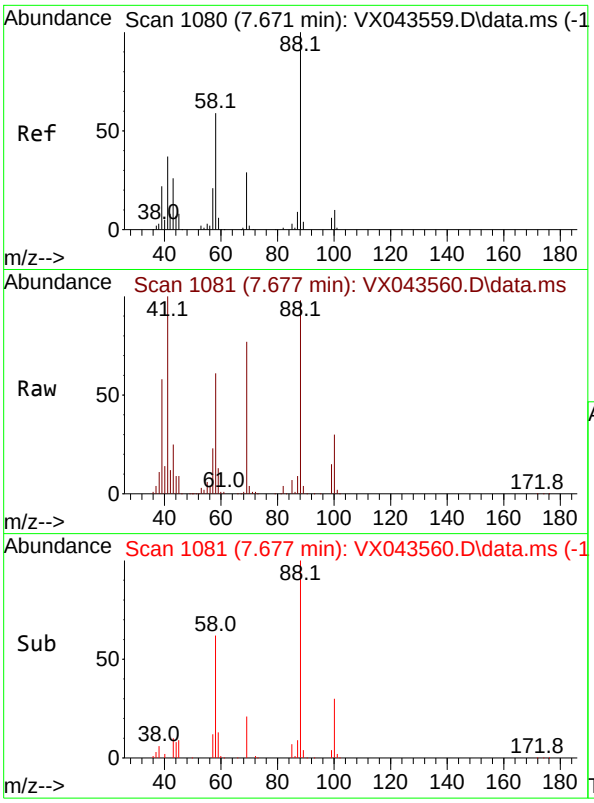


#48
Methyl methacrylate
Concen: 103.744 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 41 Resp: 218800

Ion	Ratio	Lower	Upper
41	100		
69	85.5	67.7	101.5
39	56.6	46.3	69.5





#49
1,4-Dioxane
Concen: 1885.231 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

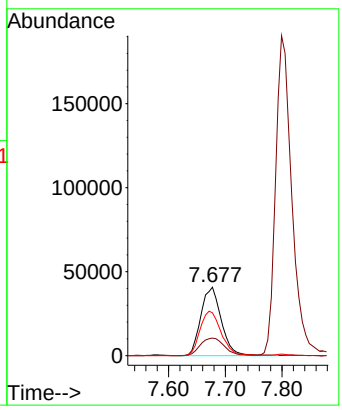
Tgt Ion: 88 Resp: 10215

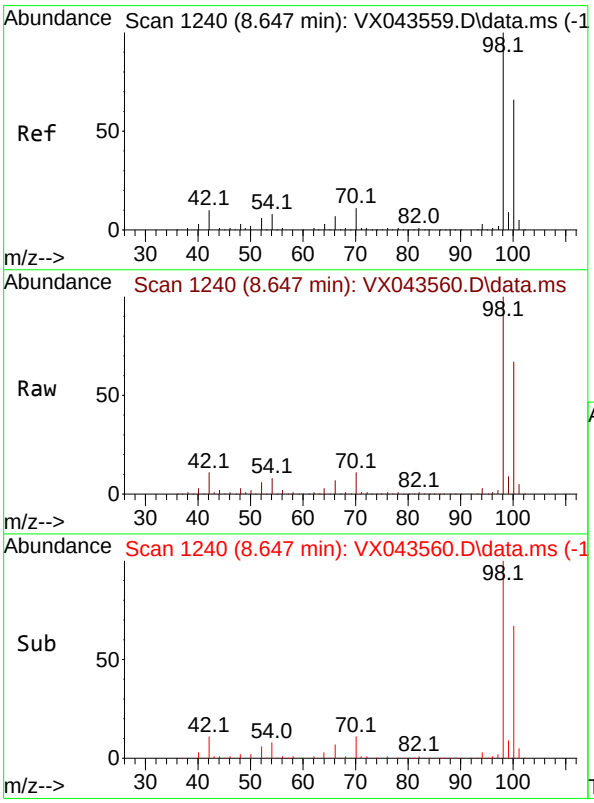
Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.3	37.9
58	66.9	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

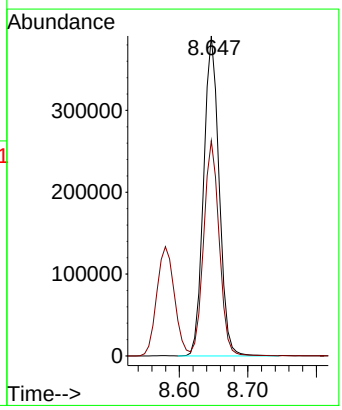


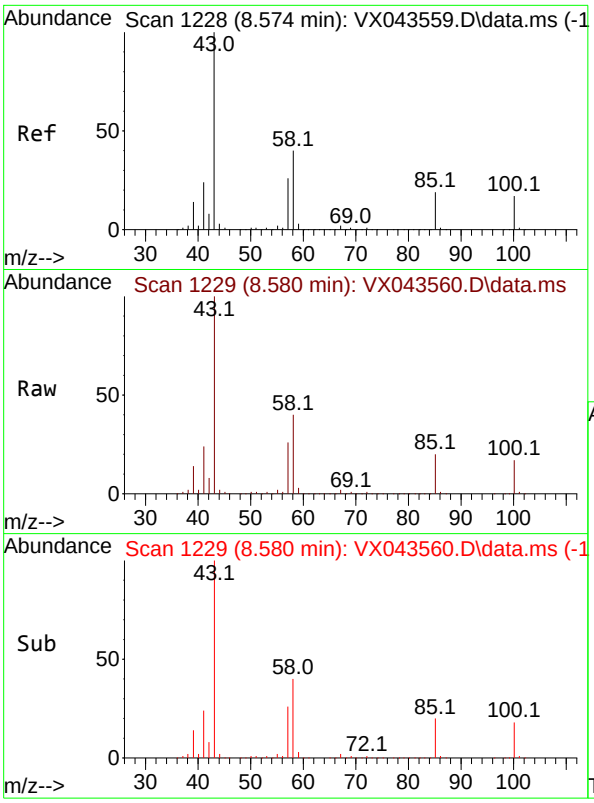


#50
Toluene-d8
Concen: 100.391 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 98 Resp: 615421

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2

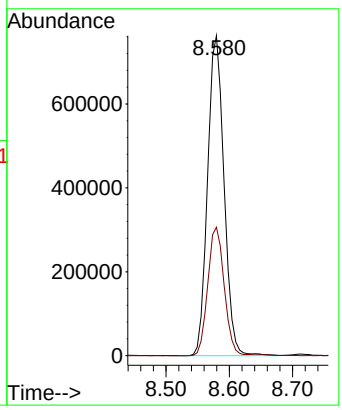




#51
4-Methyl-2-Pentanone
Concen: 480.107 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 137423

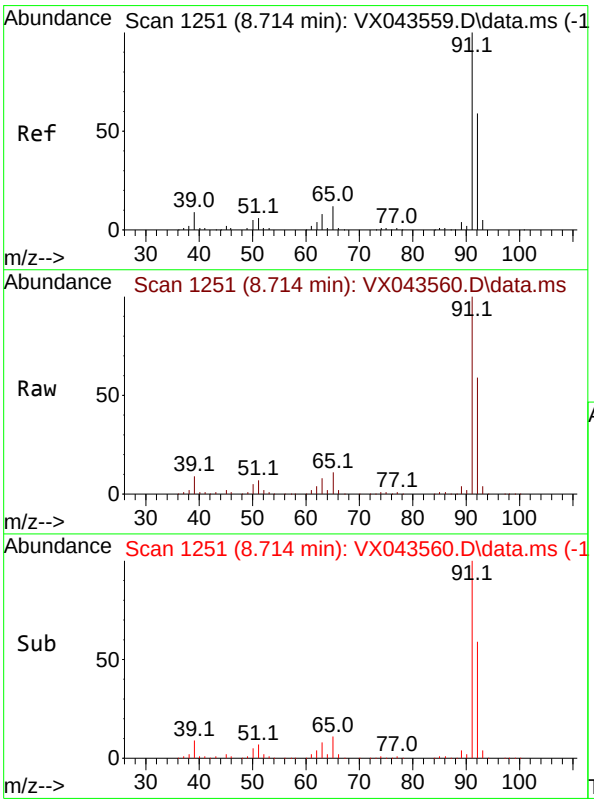
Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

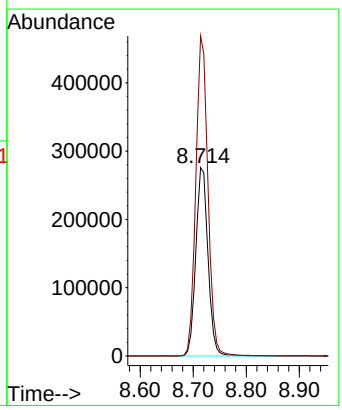
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

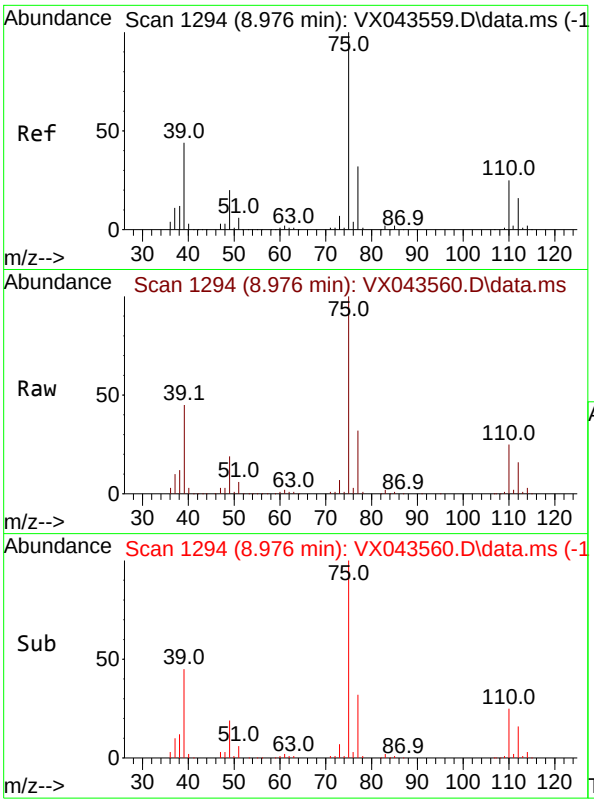


#52
Toluene
Concen: 102.334 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 92 Resp: 441311

Ion	Ratio	Lower	Upper
92	100		
91	168.5	135.7	203.5

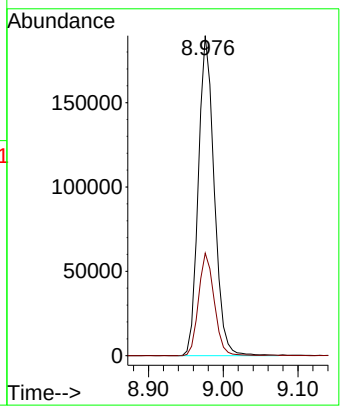




#53
t-1,3-Dichloropropene
Concen: 118.617 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 27943

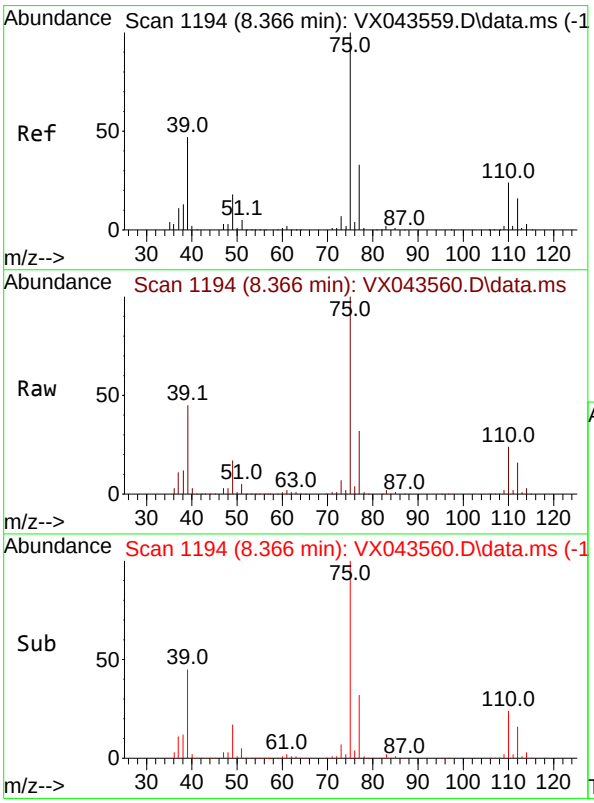
Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

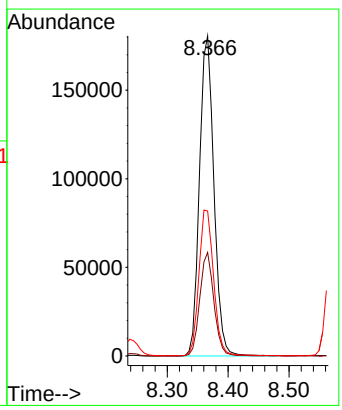
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

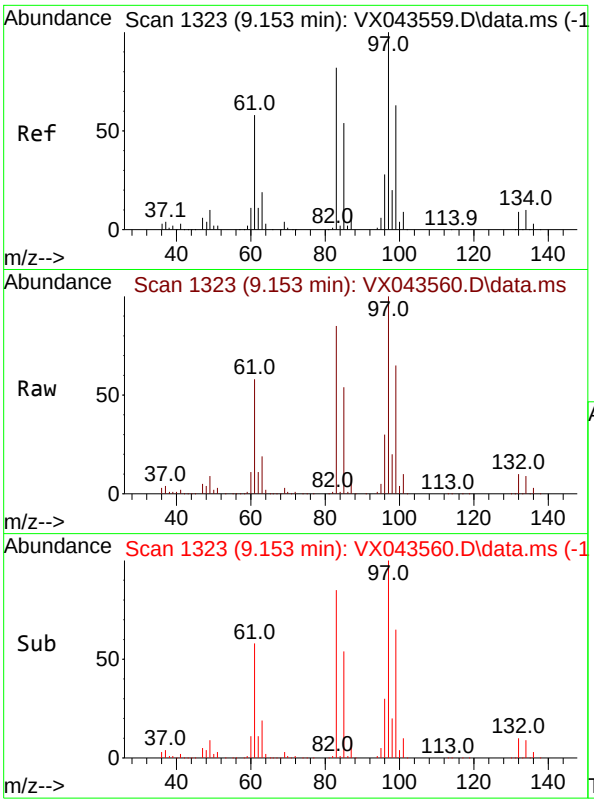


#54
cis-1,3-Dichloropropene
Concen: 114.982 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 297464

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2
39	45.2	37.7	56.5

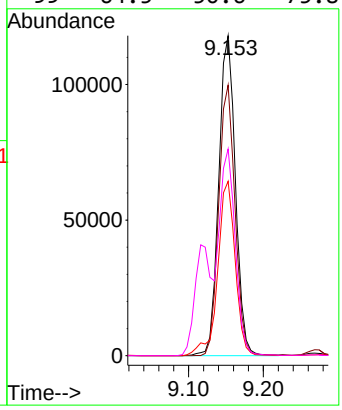




#55
1,1,2-Trichloroethane
Concen: 100.657 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 97 Resp: 18318

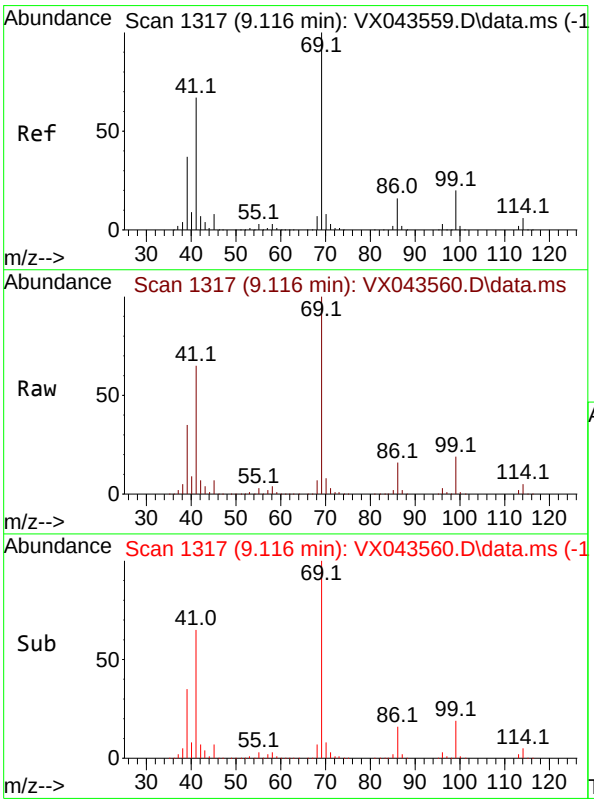
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.3	100.9
85	54.5	43.6	65.4
99	64.5	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

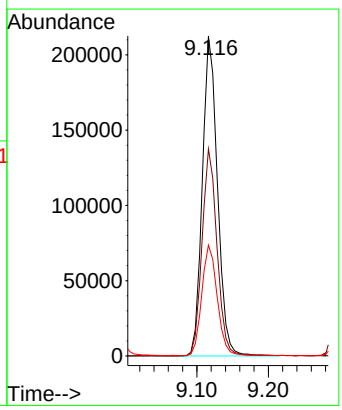
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

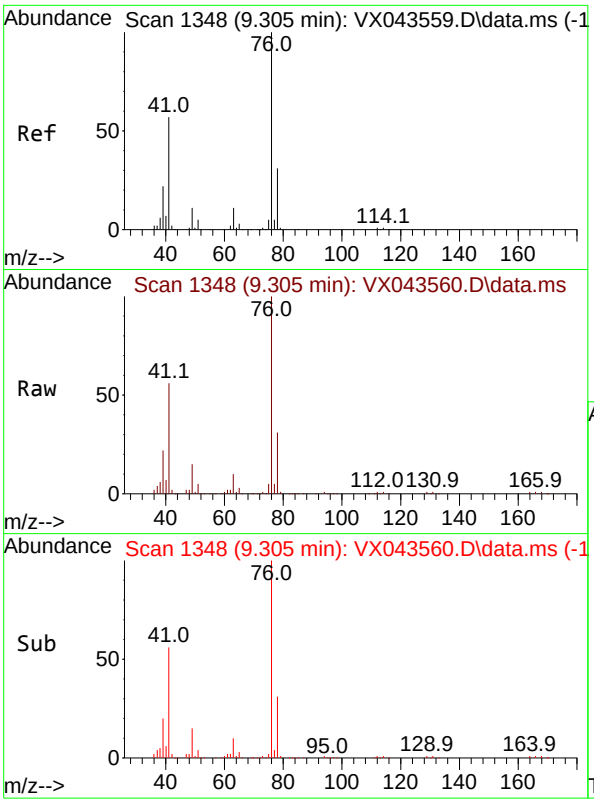


#56
Ethyl methacrylate
Concen: 106.248 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 69 Resp: 312479

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.8	80.8
39	35.5	29.9	44.9

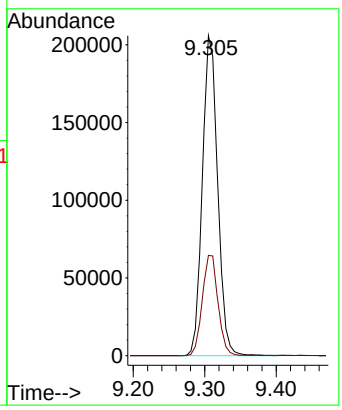




#57
1,3-Dichloropropane
Concen: 101.720 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 76 Resp: 30565

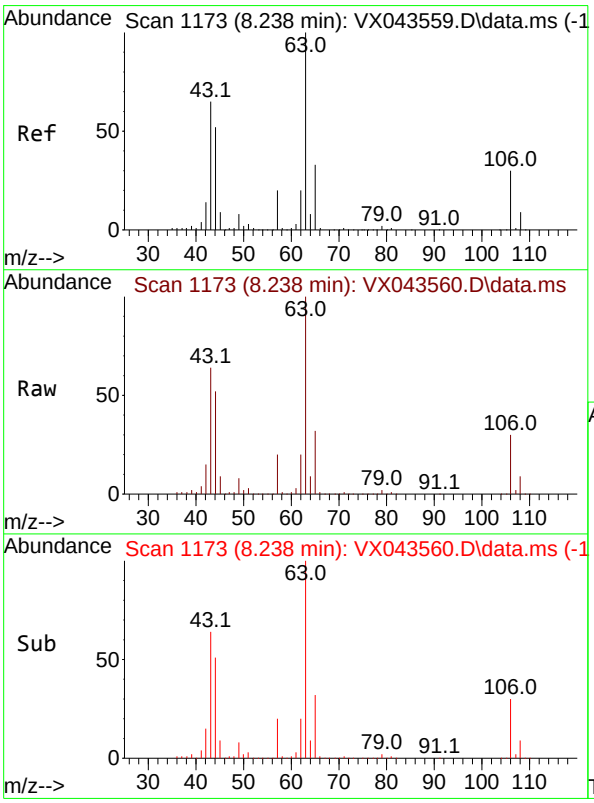
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

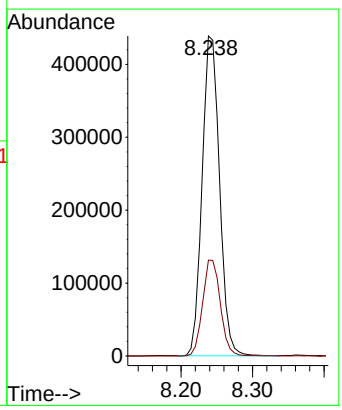
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

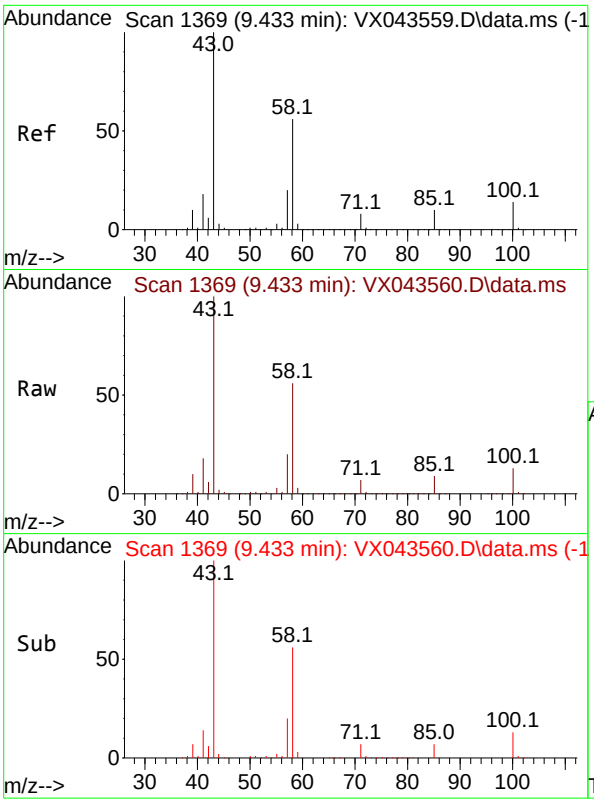


#58
2-Chloroethyl Vinyl ether
Concen: 512.729 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 63 Resp: 741765

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4





#59
2-Hexanone
Concen: 480.496 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

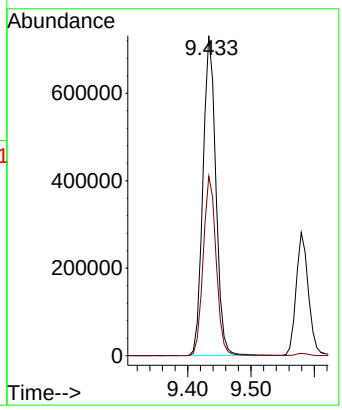
Tgt Ion: 43 Resp: 103995

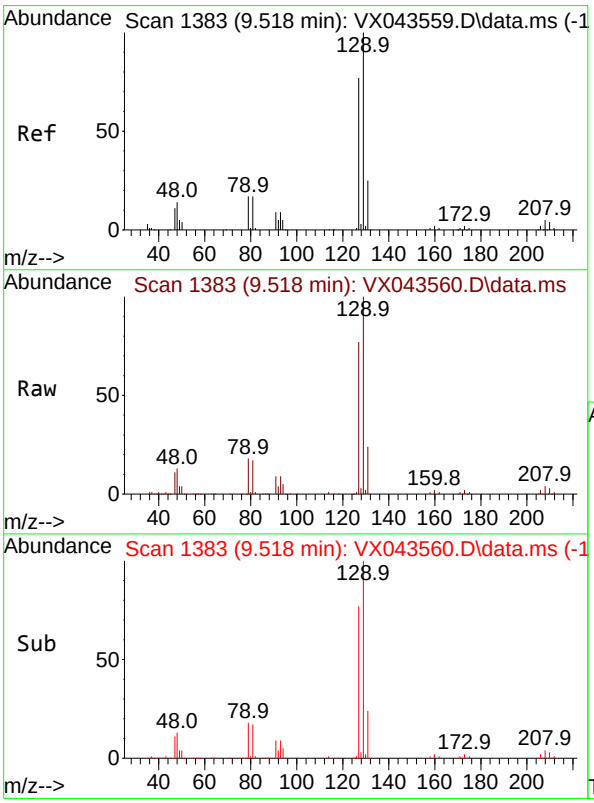
Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

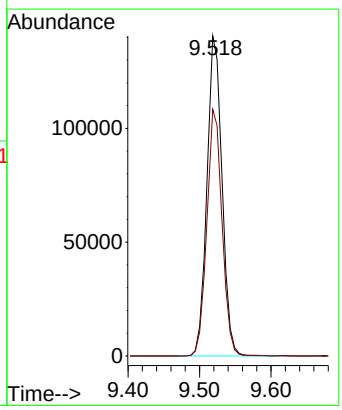


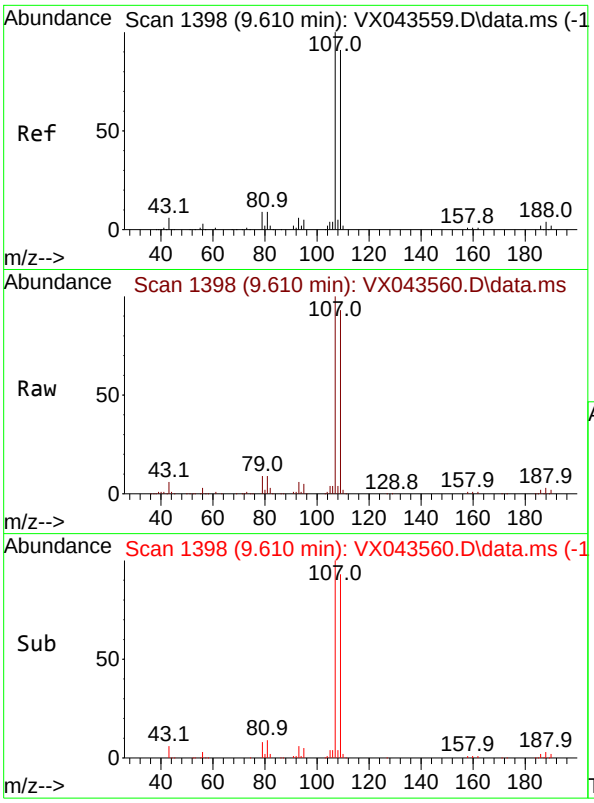


#60
Dibromochloromethane
Concen: 120.749 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:129 Resp: 205615

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1





#61
1,2-Dibromoethane
Concen: 106.844 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

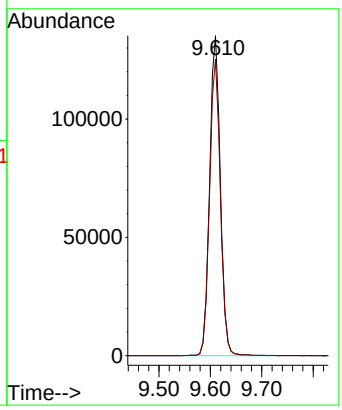
Tgt Ion:107 Resp: 19600

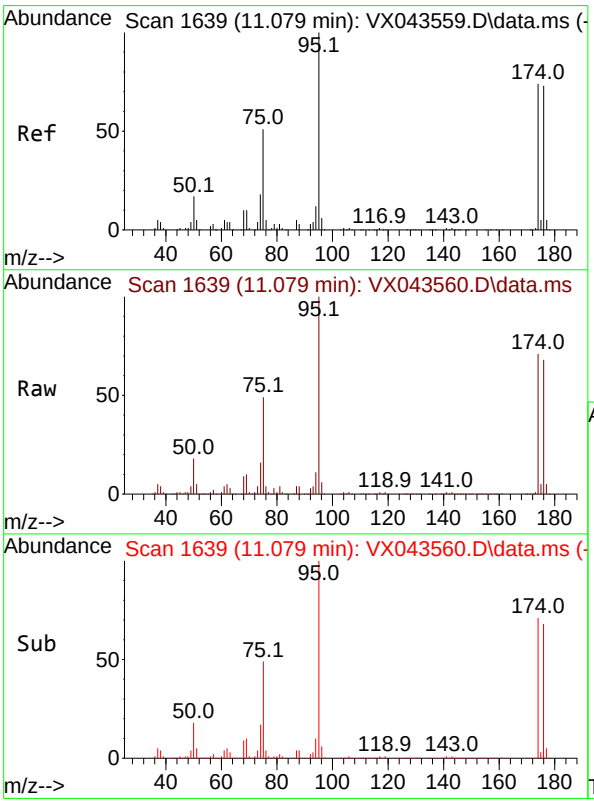
Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.1	115.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

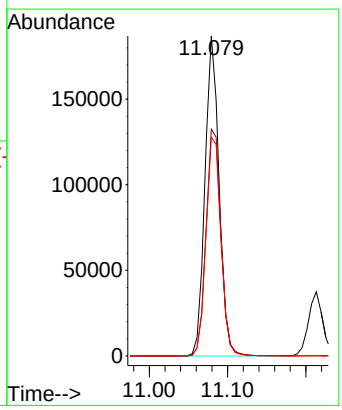


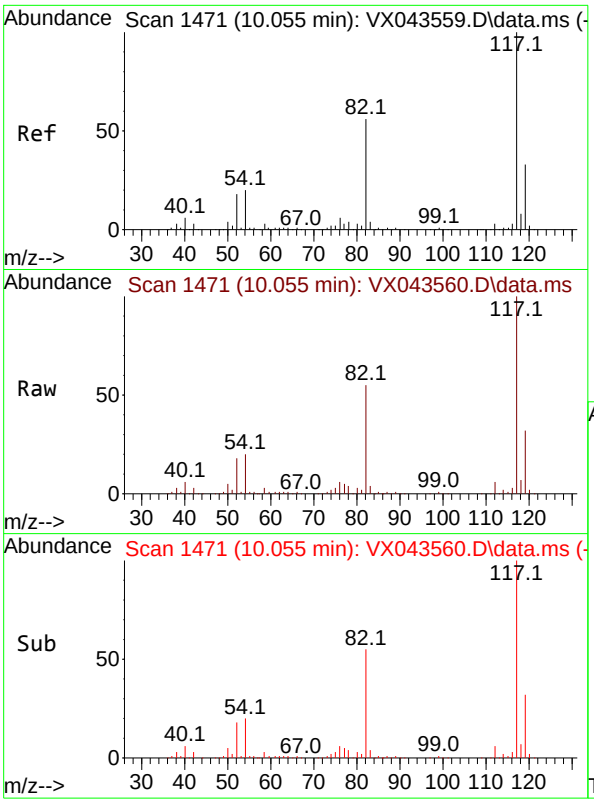


#62
4-Bromofluorobenzene
Concen: 104.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 95 Resp: 233193

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	146.6
176	72.5	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

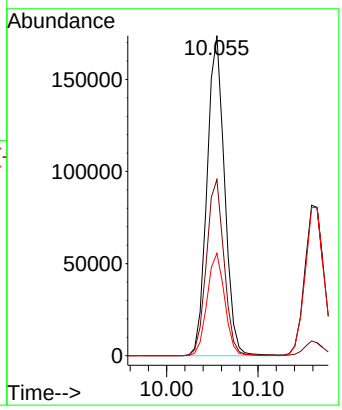
Tgt Ion:117 Resp: 23078

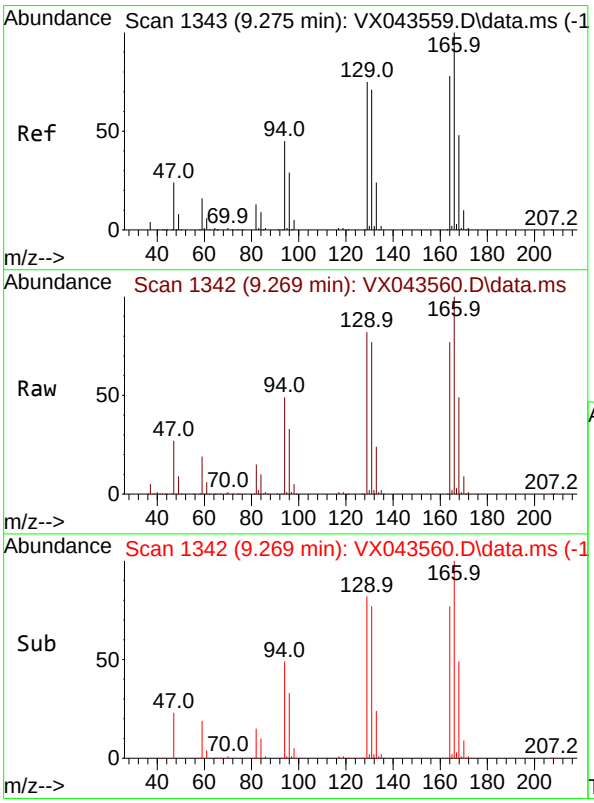
Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.1	63.1
119	32.0	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

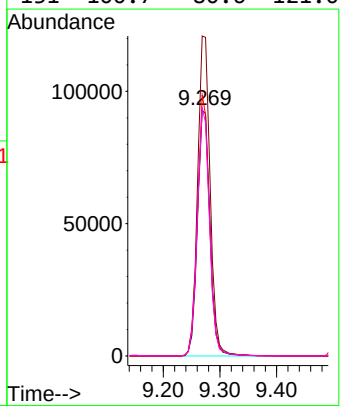


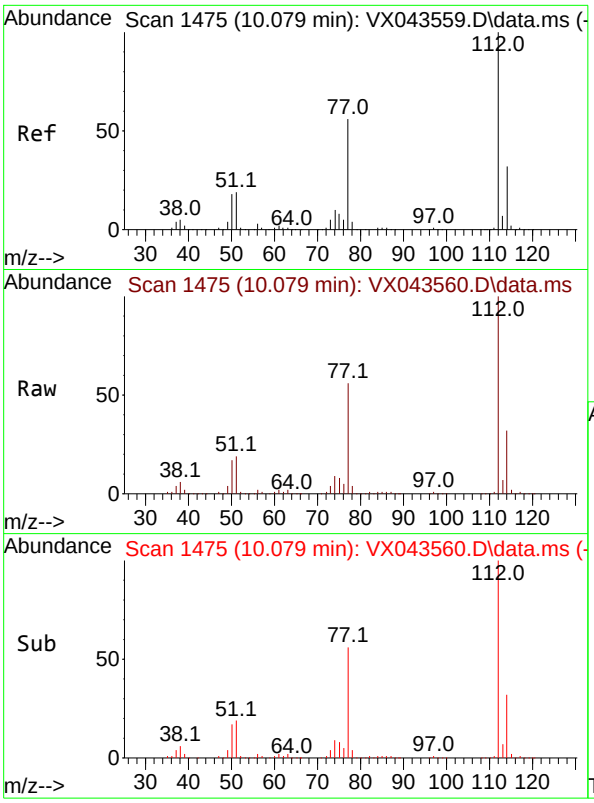


#64
Tetrachloroethene
Concen: 98.420 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:164 Resp: 142187

Ion	Ratio	Lower	Upper
164	100		
166	130.2	103.8	155.6
129	106.2	83.8	125.6
131	100.7	80.6	121.0

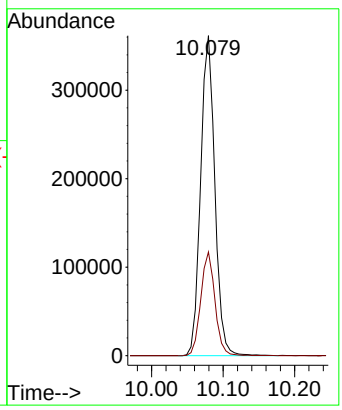




#65
Chlorobenzene
Concen: 103.935 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:112 Resp: 49898

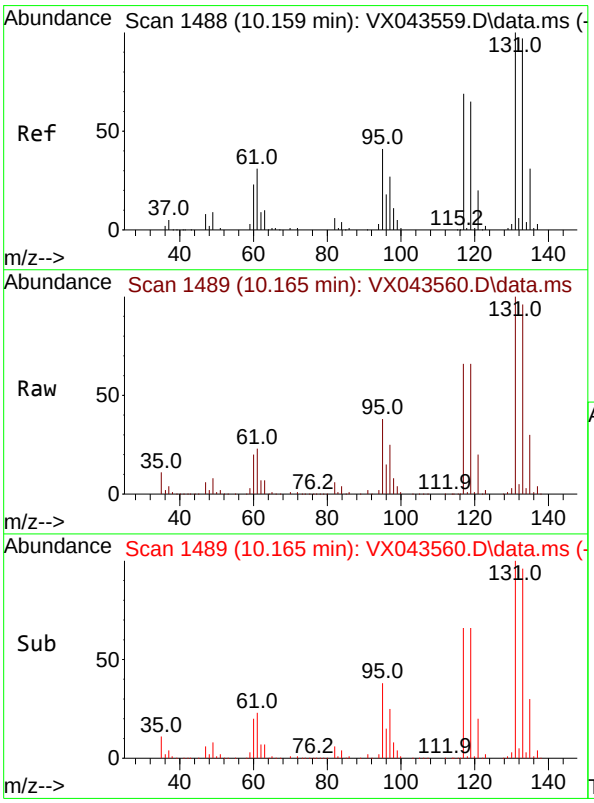
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

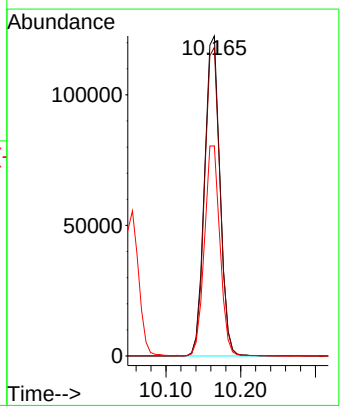
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

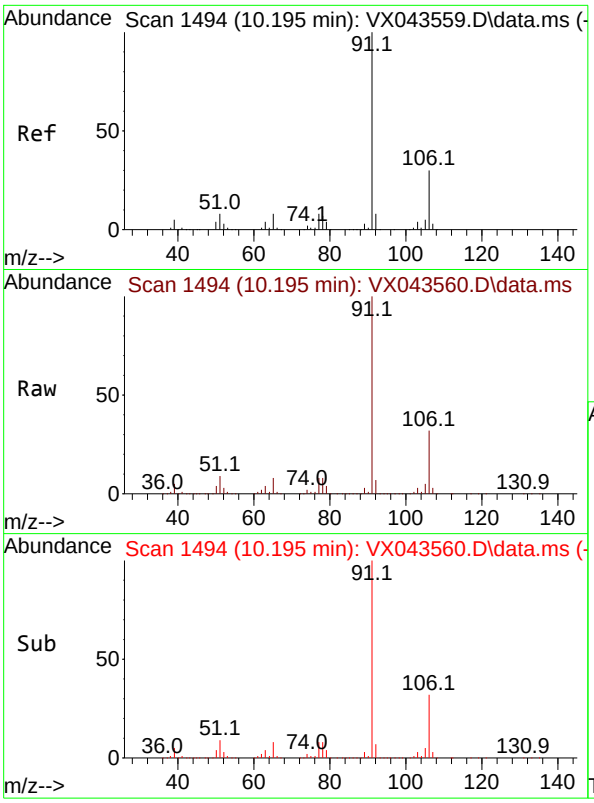


#66
1,1,1,2-Tetrachloroethane
Concen: 108.478 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:131 Resp: 175902

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	65.9	32.3	96.9





#67
Ethyl Benzene
Concen: 103.708 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

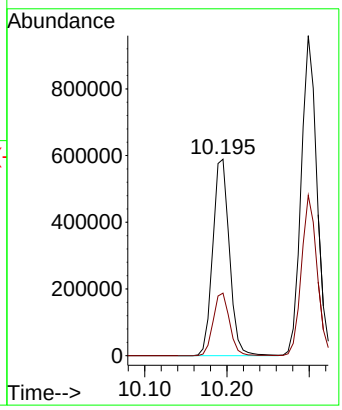
Tgt Ion: 91 Resp: 82826

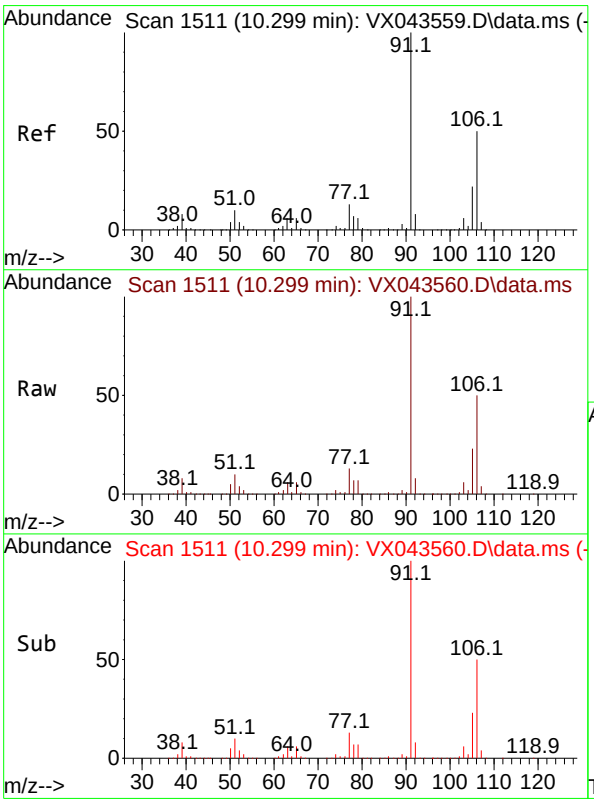
Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

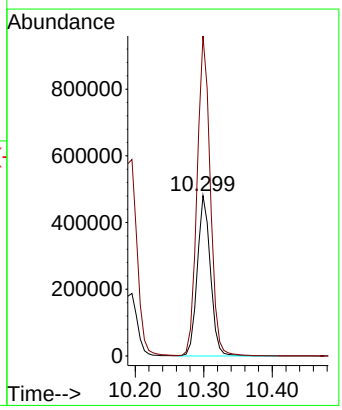


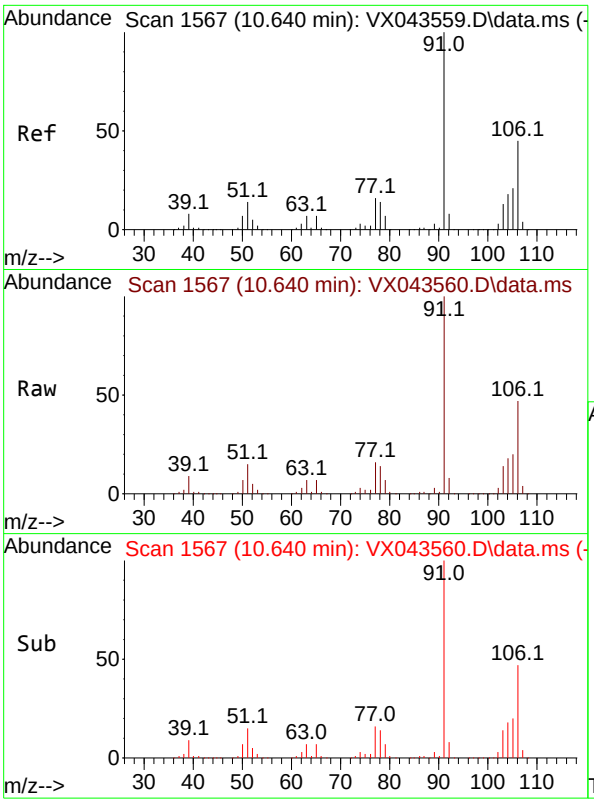


#68
m/p-Xylenes
Concen: 210.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:106 Resp: 638308

Ion	Ratio	Lower	Upper
106	100		
91	201.0	164.7	247.1

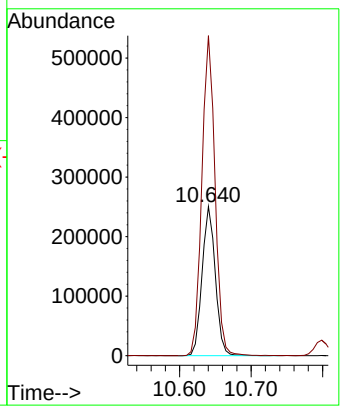




#69
o-Xylene
Concen: 103.533 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:106 Resp: 32203

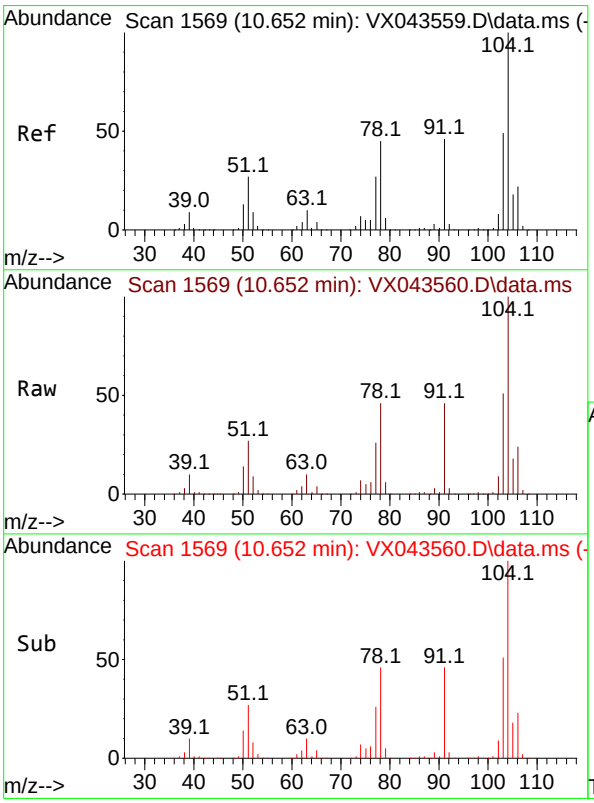
Ion	Ratio	Lower	Upper
106	100		
91	213.2	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

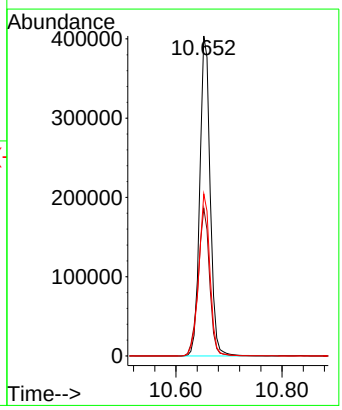
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

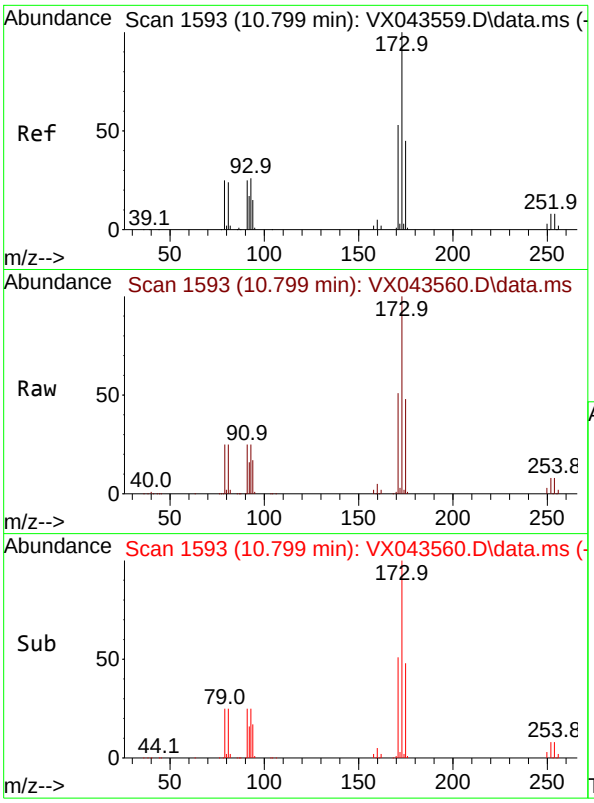


#70
Styrene
Concen: 108.997 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:104 Resp: 548708

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.0	60.0
103	54.4	43.4	65.0

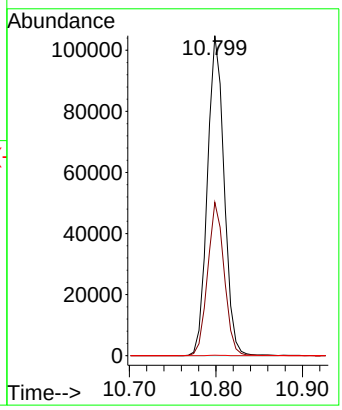




#71
Bromoform
Concen: 128.340 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:173 Resp: 14029

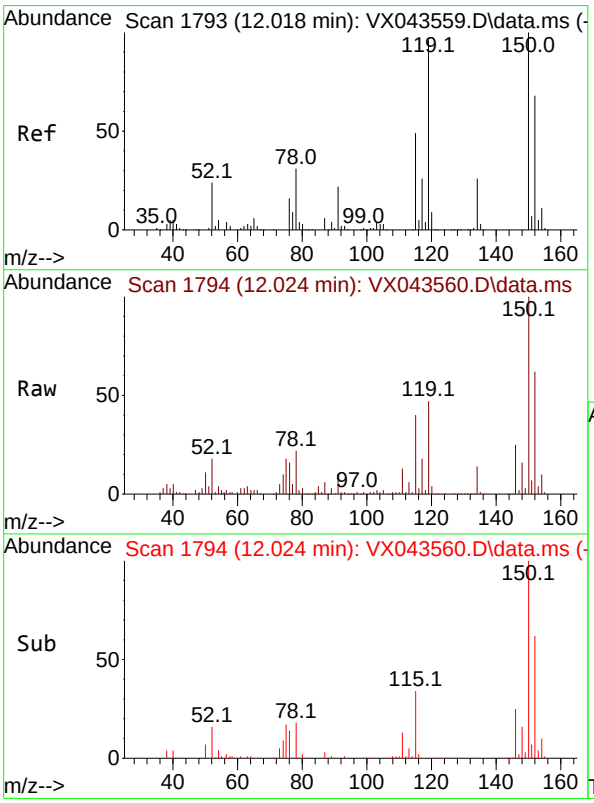
Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.3	69.9
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

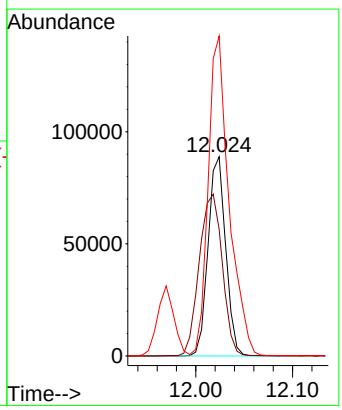
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

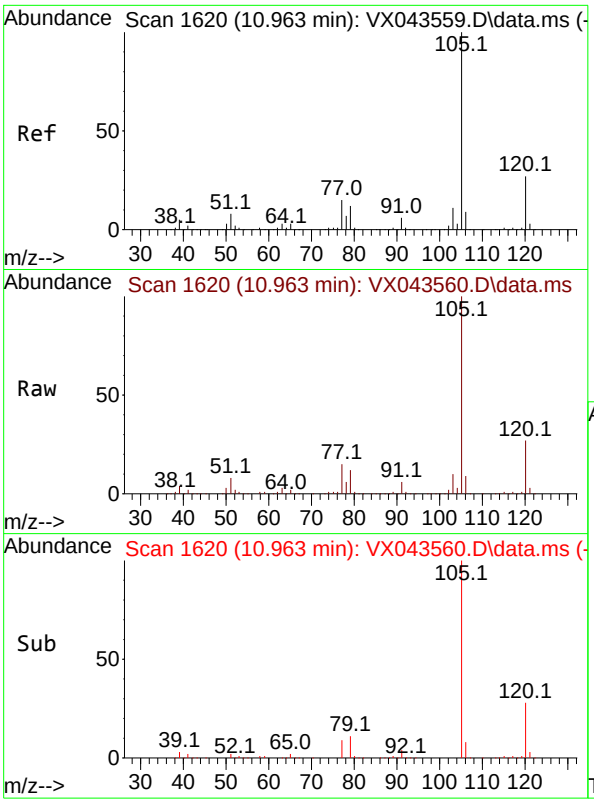


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:152 Resp: 112136

Ion	Ratio	Lower	Upper
152	100		
115	106.8	42.9	128.7
150	190.4	0.0	343.6

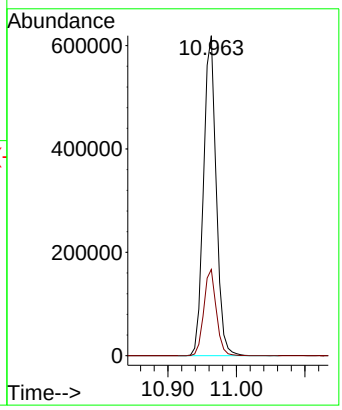




#73
Isopropylbenzene
Concen: 99.313 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 79601

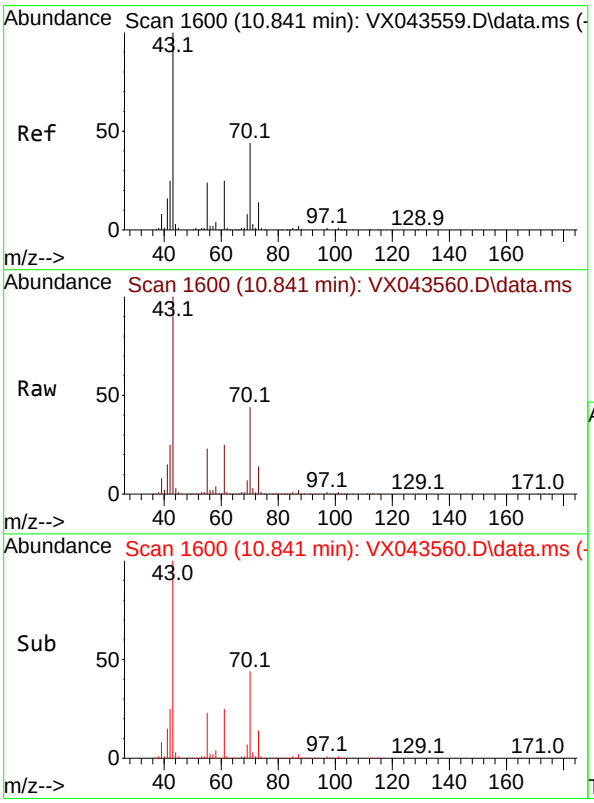
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

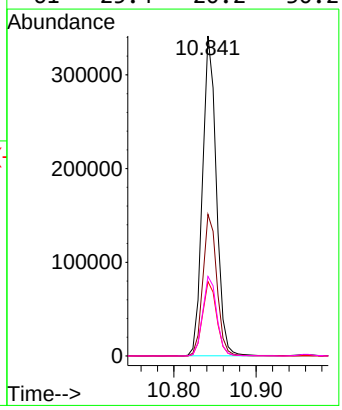
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

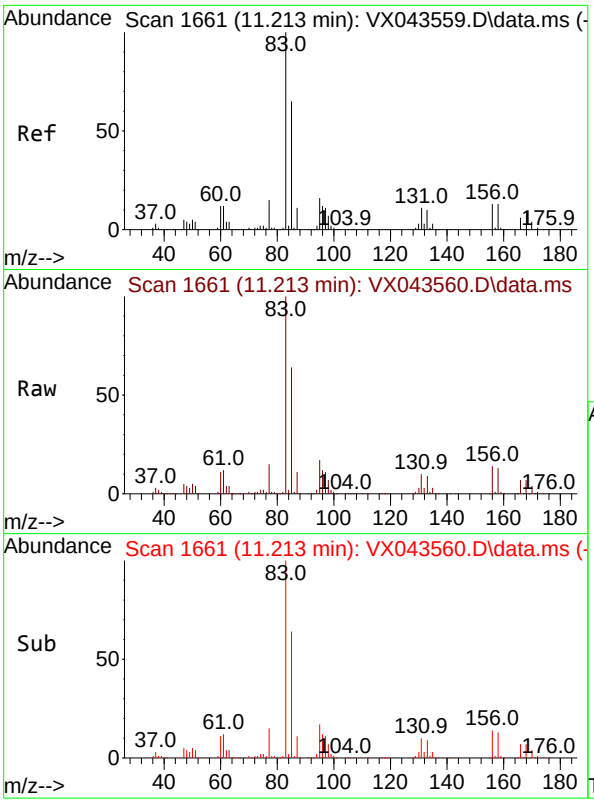


#74
N-amyl acetate
Concen: 98.808 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 398918

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.6	52.0
55	23.8	19.6	29.4
61	25.4	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 93.228 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

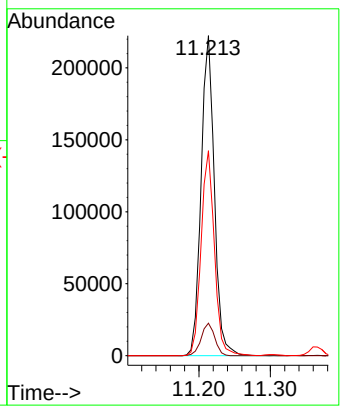
Tgt Ion: 83 Resp: 28625

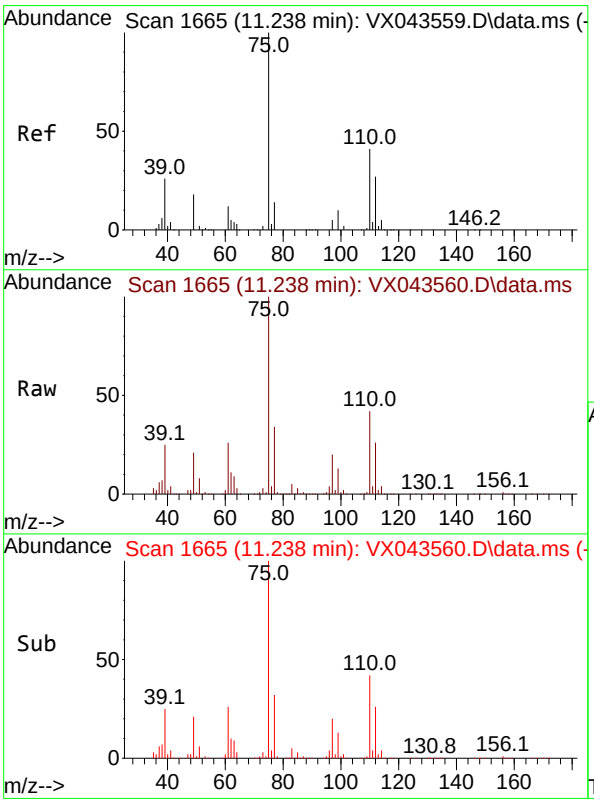
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.2	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

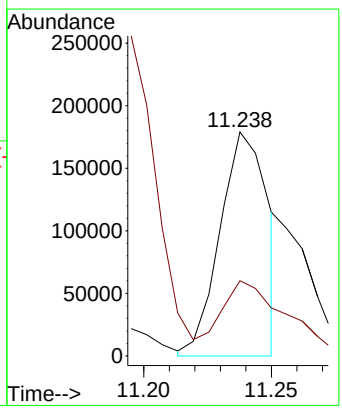


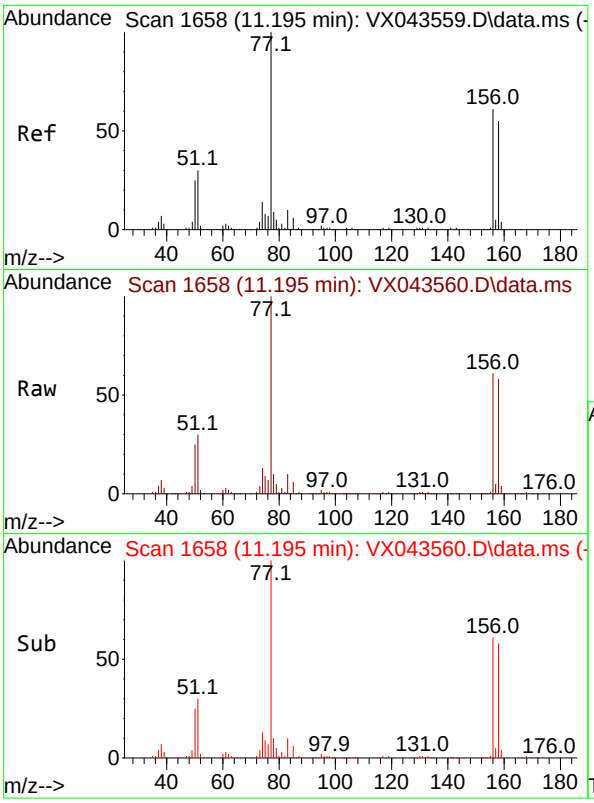


#76
1,2,3-Trichloropropane
Concen: 89.719 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 233884

Ion	Ratio	Lower	Upper
75	100		
77	46.1	22.4	67.2





#77
Bromobenzene
Concen: 101.054 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

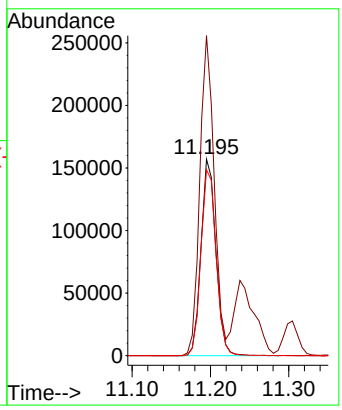
Tgt Ion:156 Resp: 20677

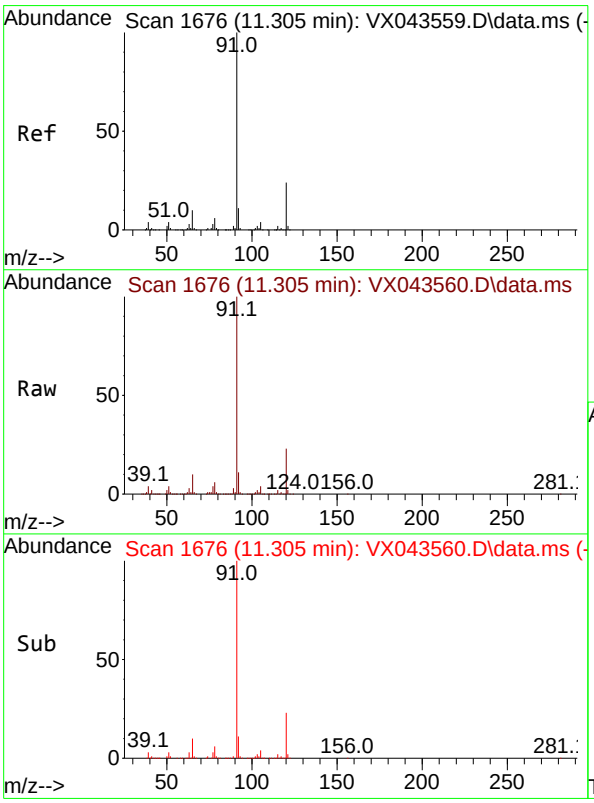
Ion	Ratio	Lower	Upper
156	100		
77	157.6	79.7	239.1
158	96.6	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

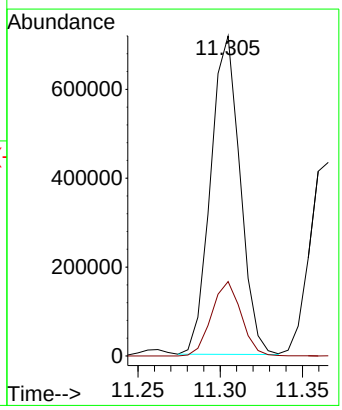


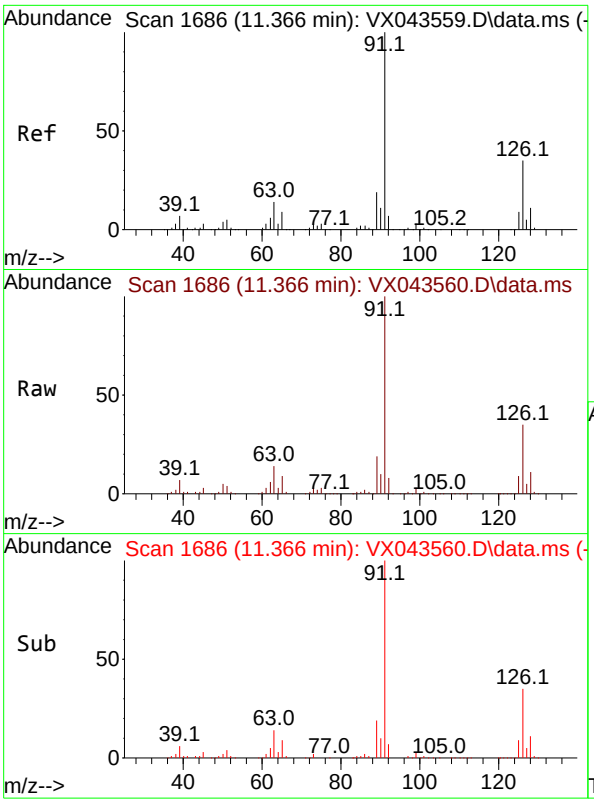


#78
n-propylbenzene
Concen: 104.676 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 91 Resp: 894162

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.7





#79
2-Chlorotoluene
Concen: 97.800 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

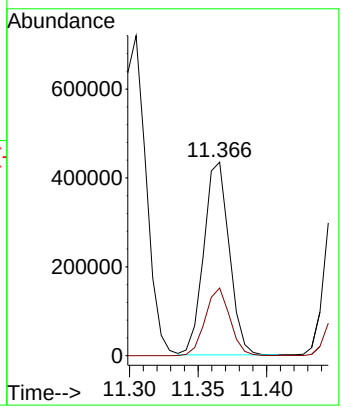
Tgt Ion: 91 Resp: 56055

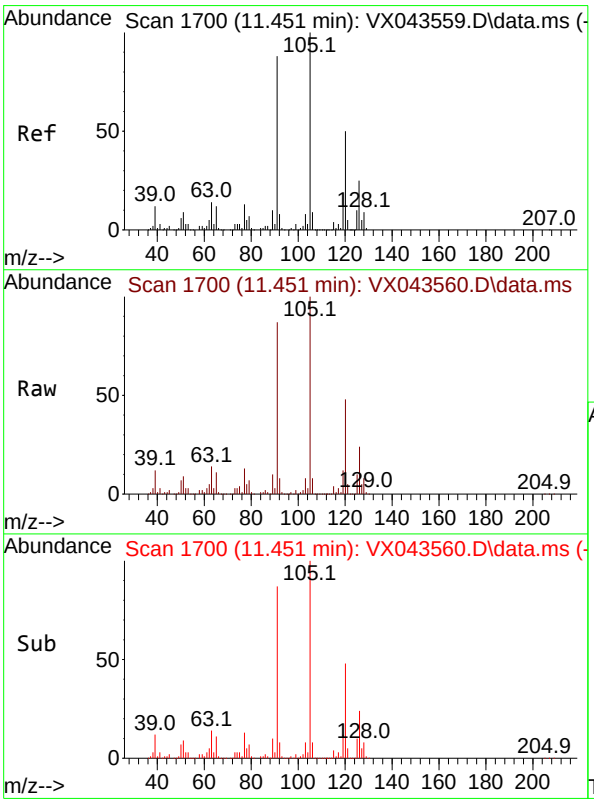
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

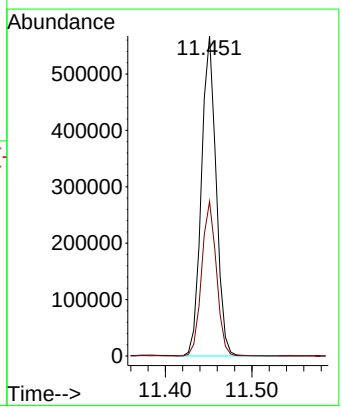


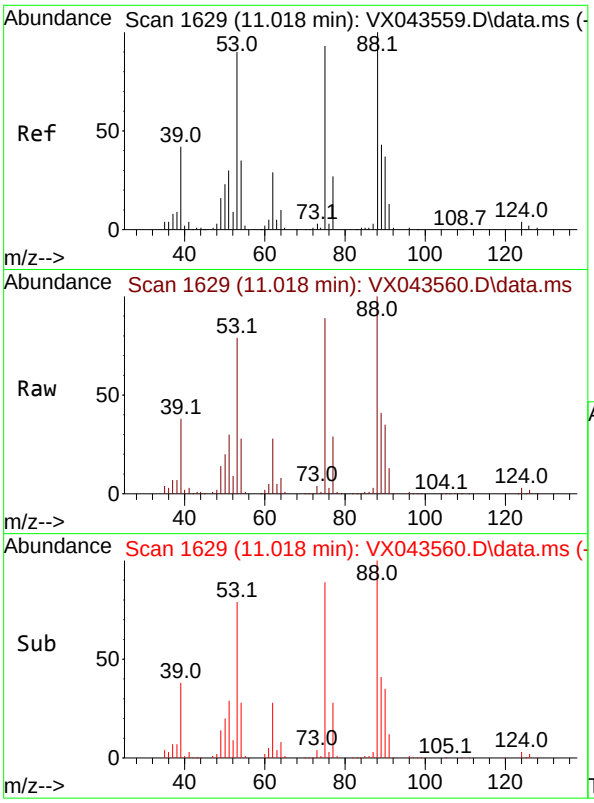


#80
1,3,5-Trimethylbenzene
Concen: 100.572 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 669305

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 117.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

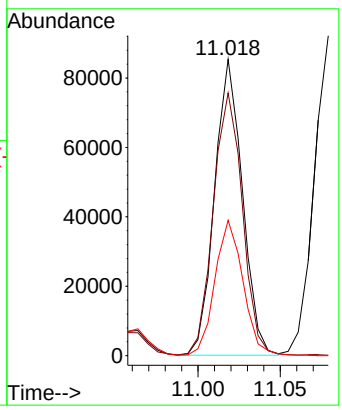
Tgt Ion: 75 Resp: 10017

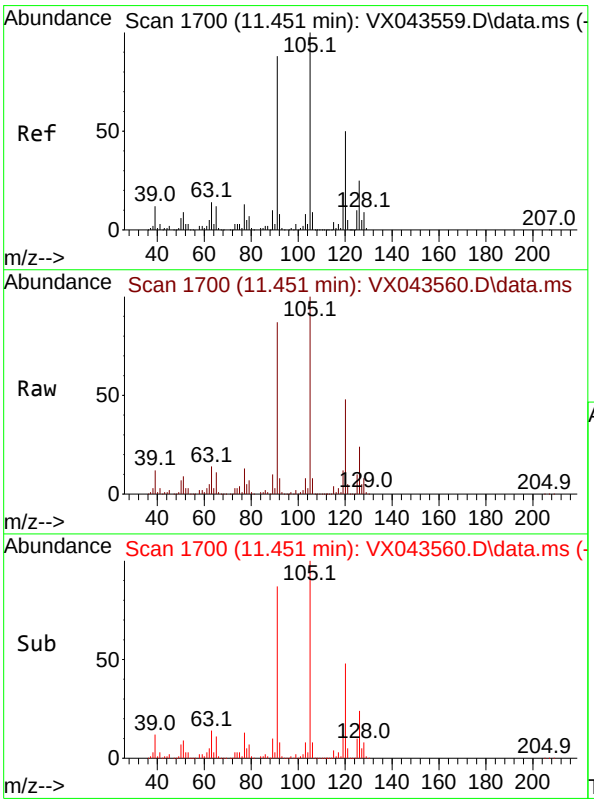
Ion	Ratio	Lower	Upper
75	100		
53	92.6	84.6	126.8
89	46.4	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

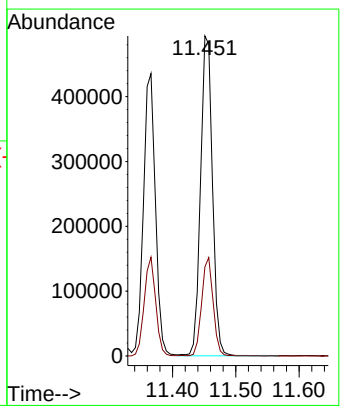


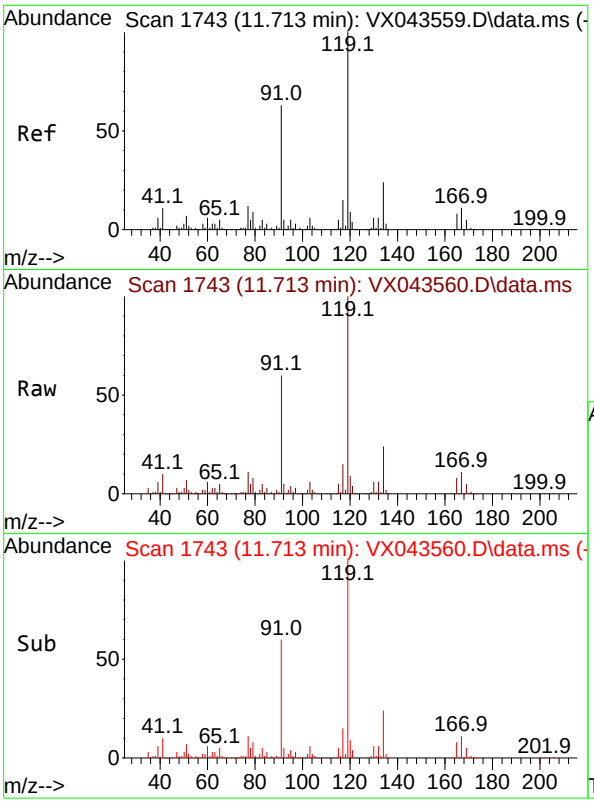


#82
4-Chlorotoluene
Concen: 102.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 91 Resp: 647524

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.8

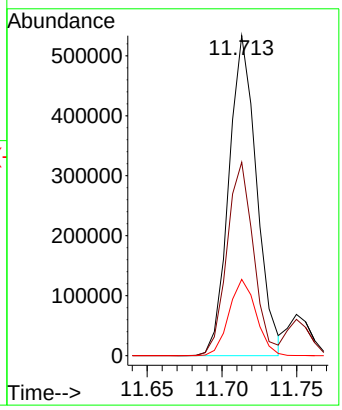




#83
tert-Butylbenzene
Concen: 101.376 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:119 Resp: 68801

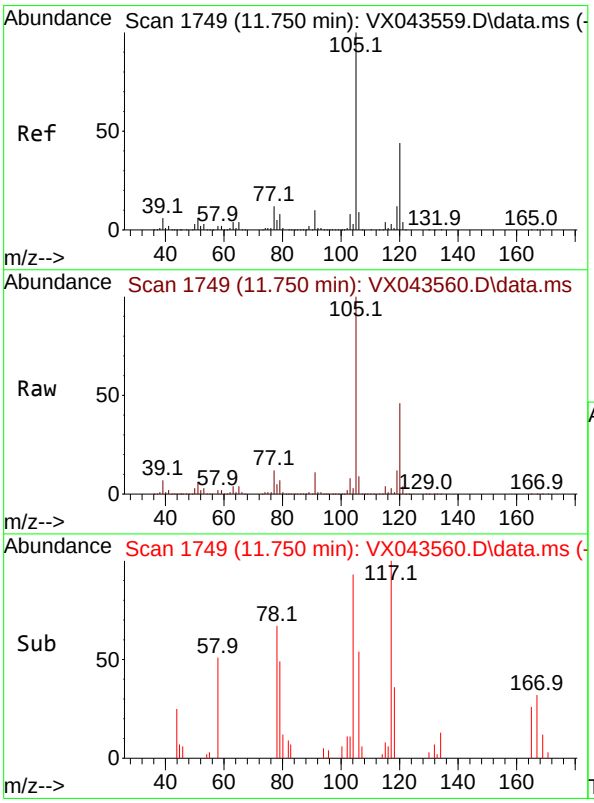
Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.5	88.5
134	23.4	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

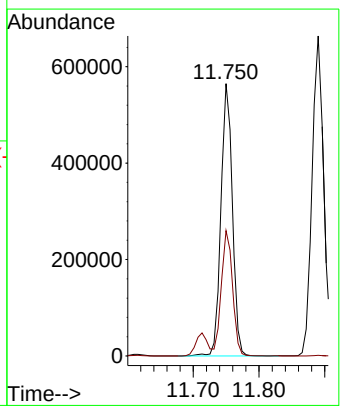
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

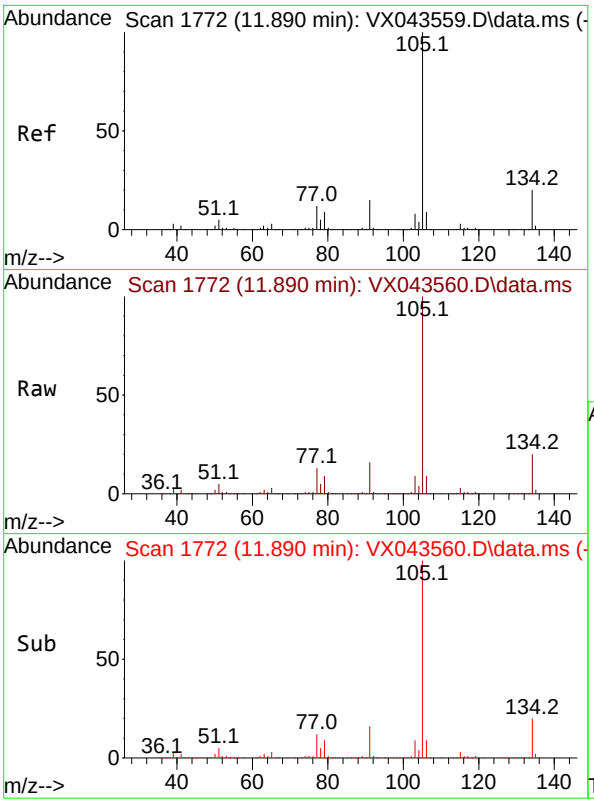


#84
1,2,4-Trimethylbenzene
Concen: 100.532 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 684269

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1

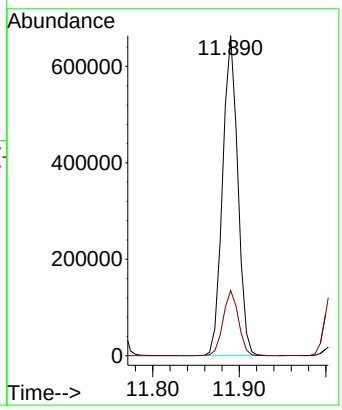




#85
sec-Butylbenzene
Concen: 102.828 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 80824

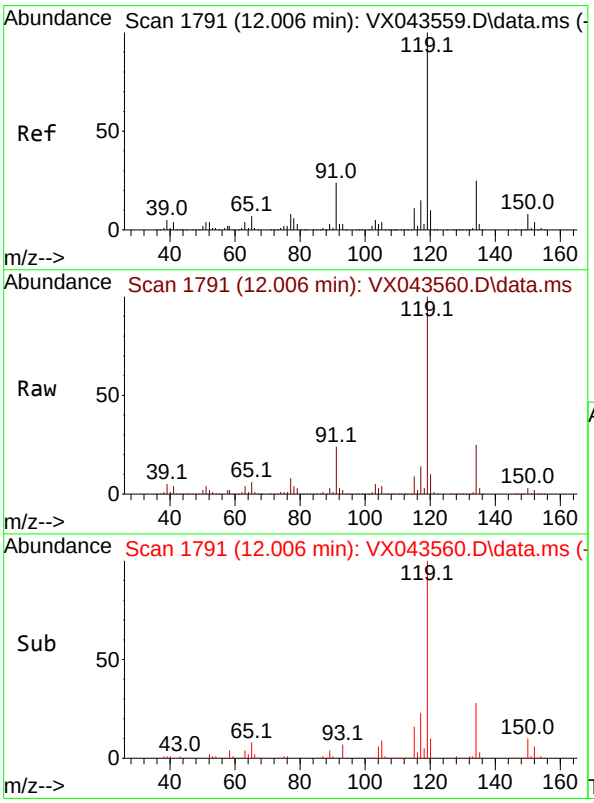
Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

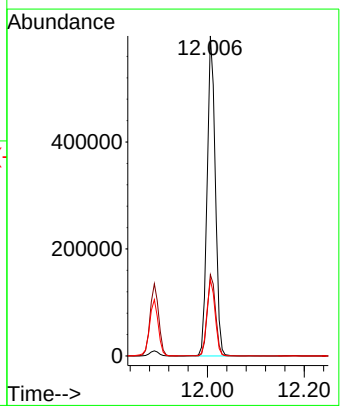
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

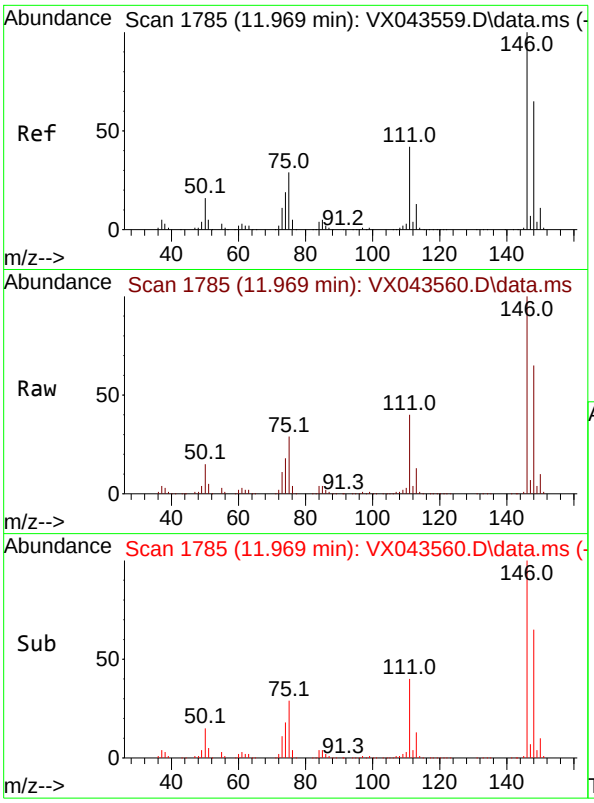


#86
p-Isopropyltoluene
Concen: 108.063 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:119 Resp: 703703

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	24.1	12.4	37.0

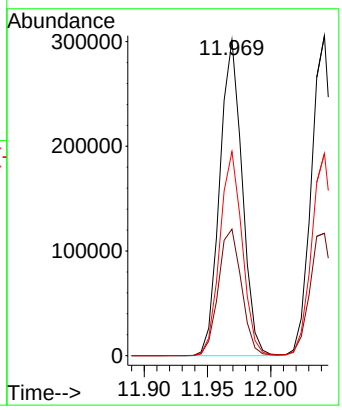




#87
1,3-Dichlorobenzene
Concen: 101.044 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:146 Resp: 37098

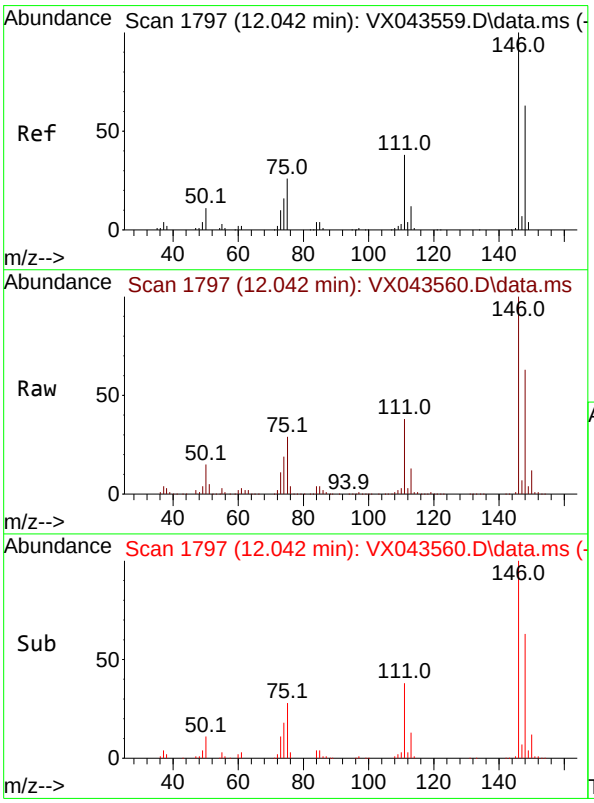
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	64.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

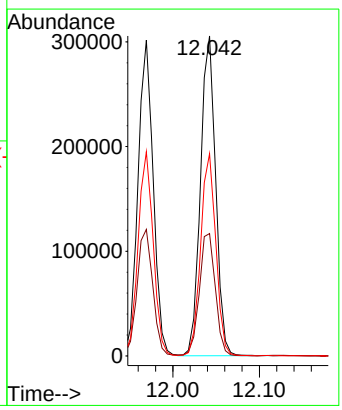
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

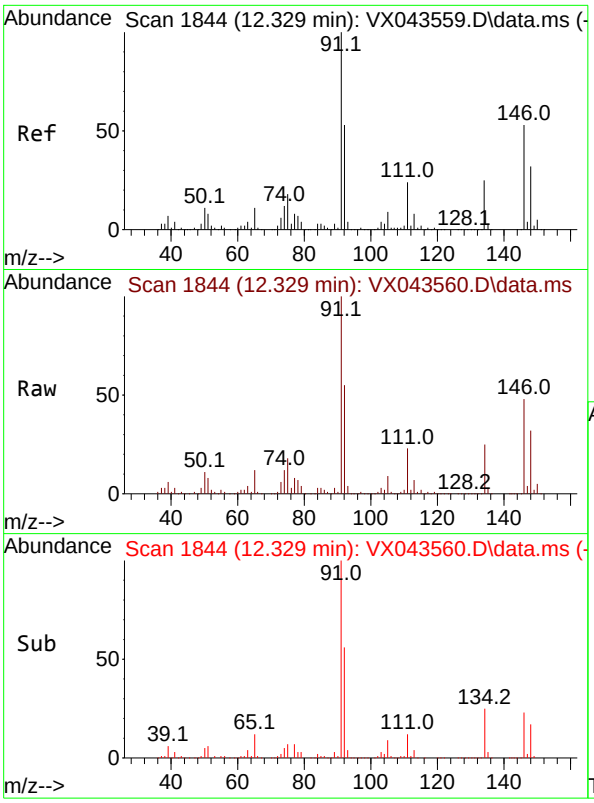


#88
1,4-Dichlorobenzene
Concen: 100.386 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:146 Resp: 371529

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.4	31.9	95.9





#89
n-Butylbenzene
Concen: 114.147 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

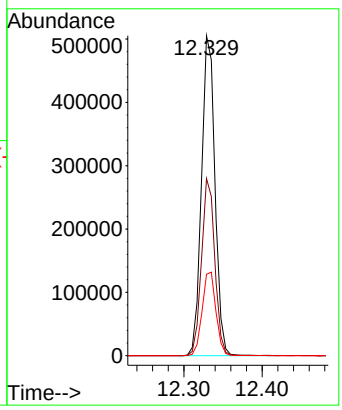
Tgt Ion: 91 Resp: 60260

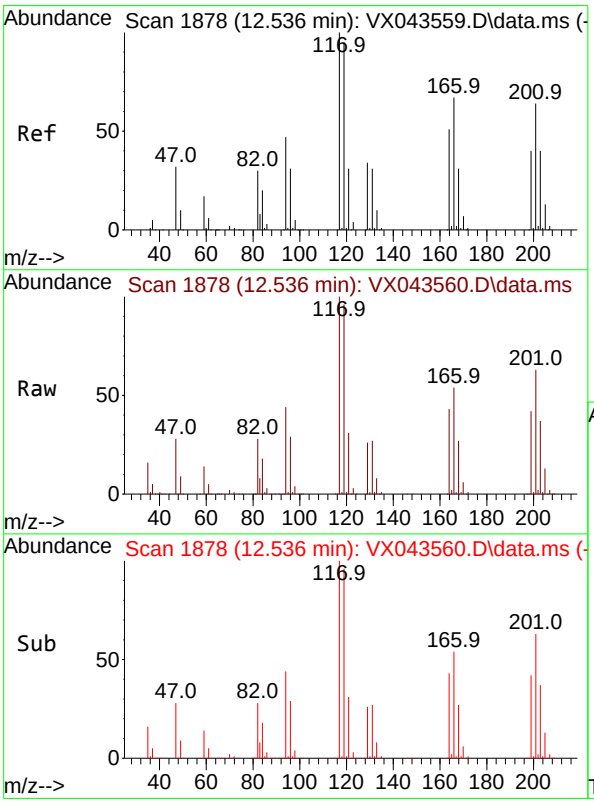
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	26.8	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

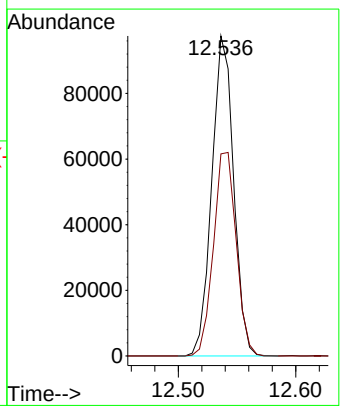


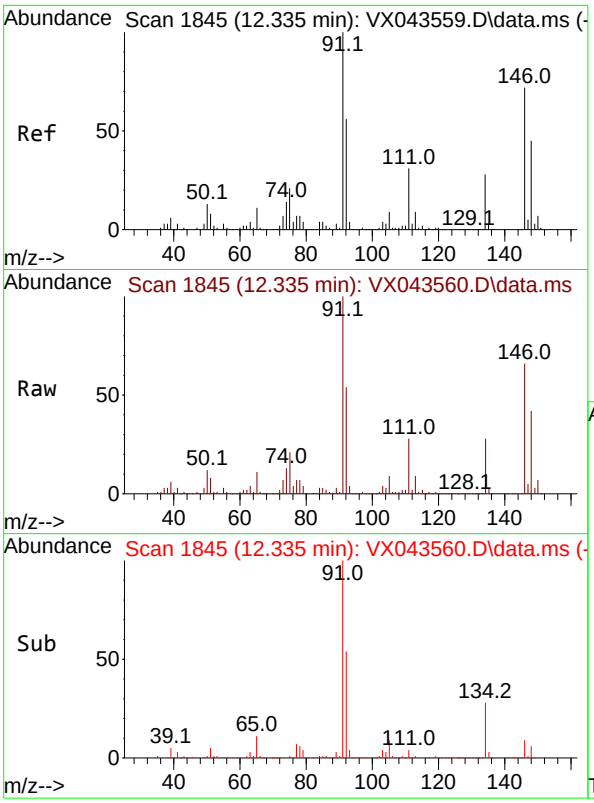


#90
Hexachloroethane
Concen: 119.283 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:117 Resp: 125658

Ion	Ratio	Lower	Upper
117	100		
201	66.7	32.9	98.7

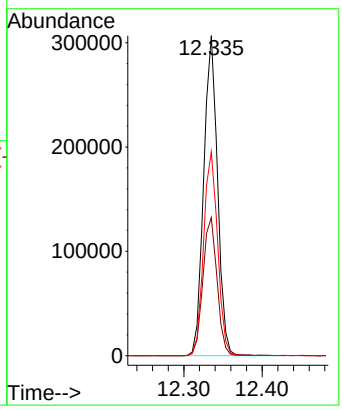




#91
1,2-Dichlorobenzene
Concen: 99.223 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:146 Resp: 37564

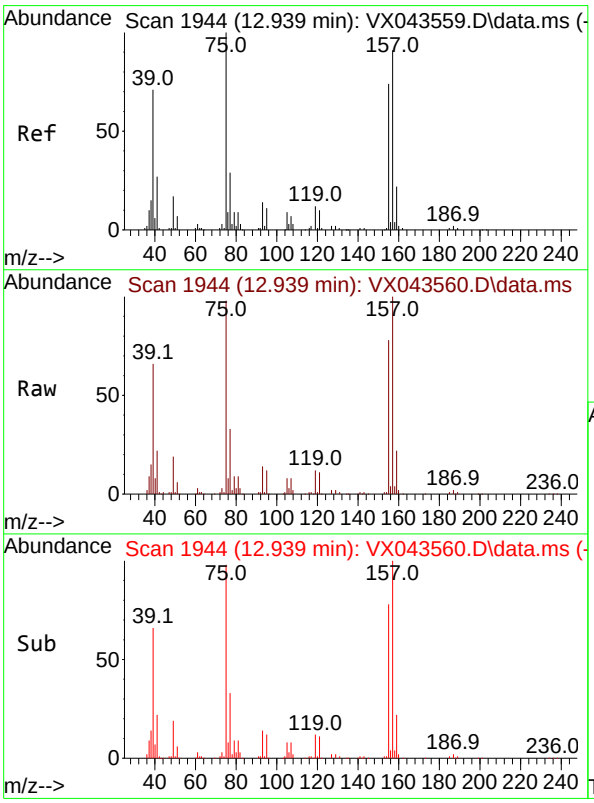
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.5	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

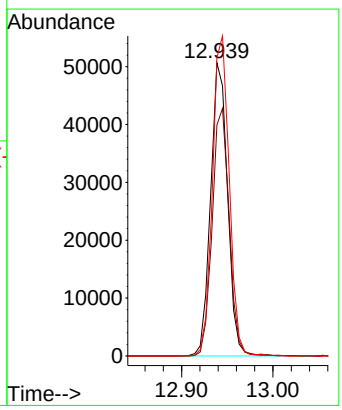
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

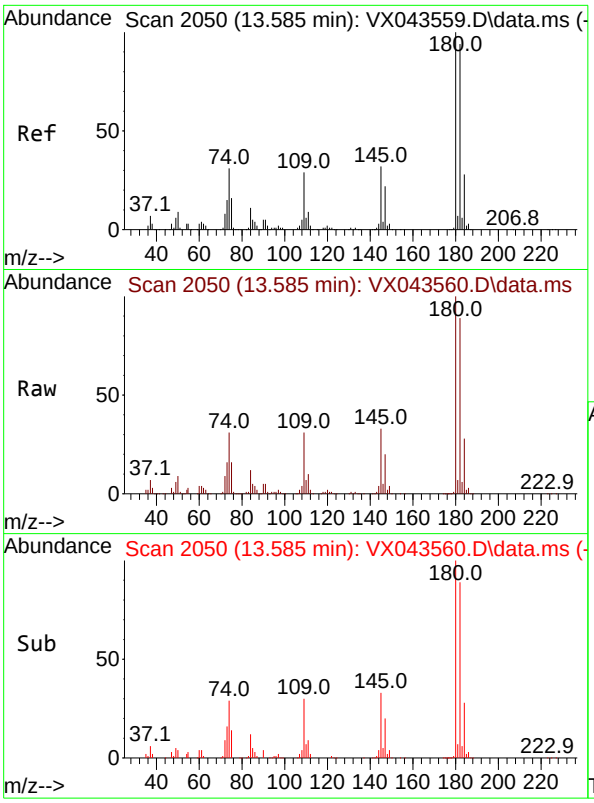


#92
1,2-Dibromo-3-Chloropropane
Concen: 100.012 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 65340

Ion	Ratio	Lower	Upper
75	100		
155	84.5	40.1	120.3
157	108.1	50.8	152.4

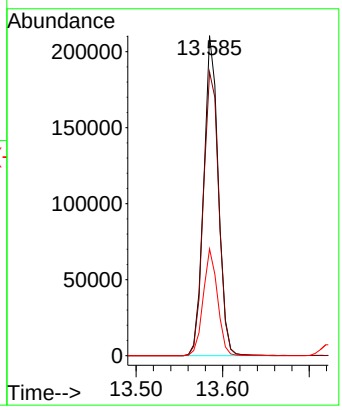




#93
1,2,4-Trichlorobenzene
Concen: 111.215 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:180 Resp: 24655

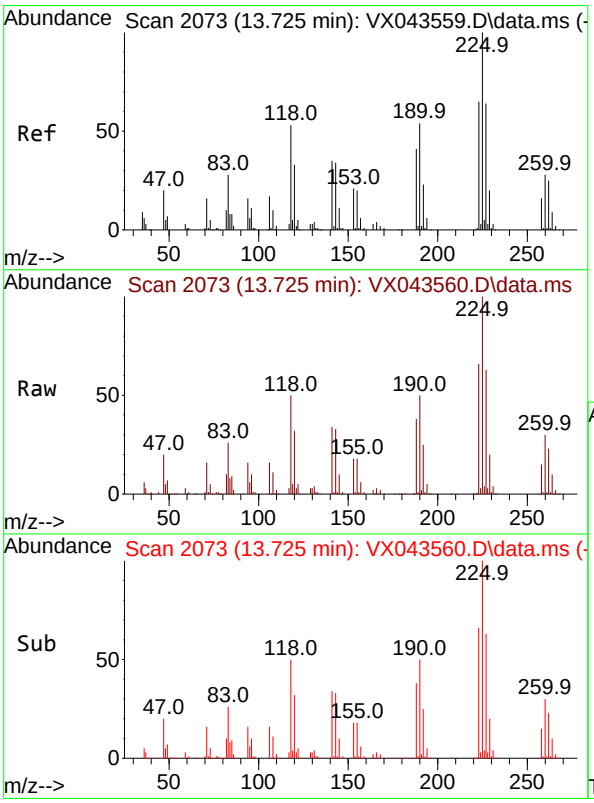
Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.8	140.4
145	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

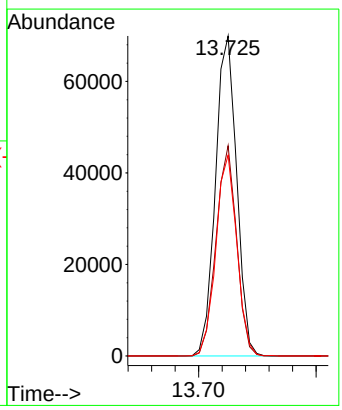
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

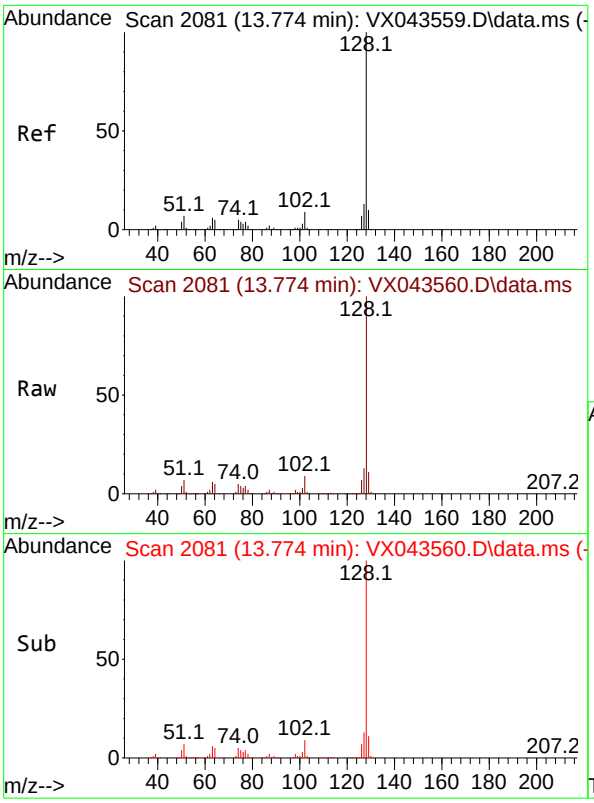


#94
Hexachlorobutadiene
Concen: 111.843 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:225 Resp: 87749

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.4
227	61.9	31.6	94.8





#95
Naphthalene
Concen: 104.267 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

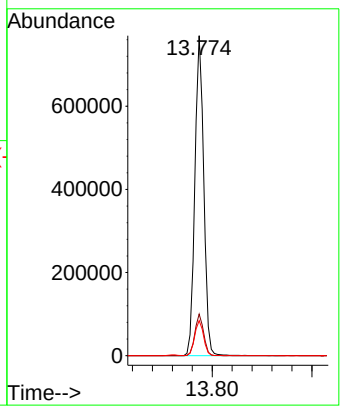
Tgt Ion:128 Resp: 94850

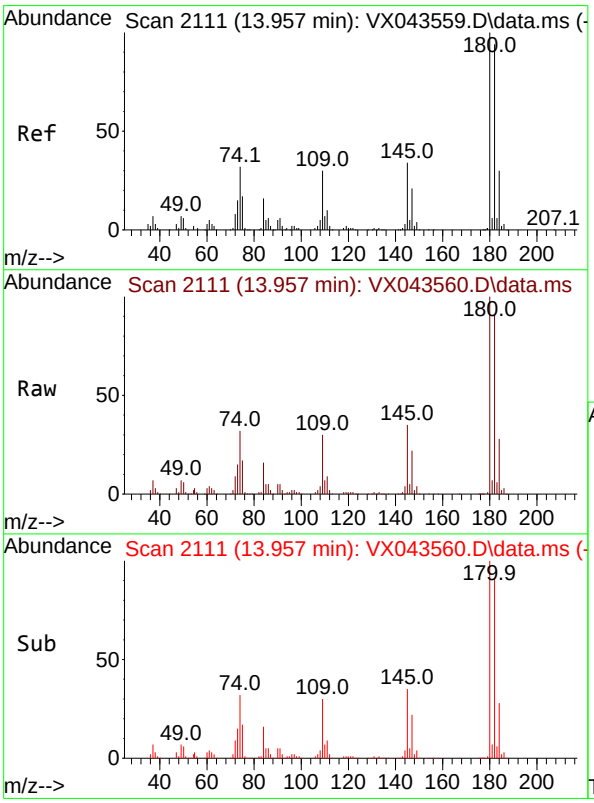
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

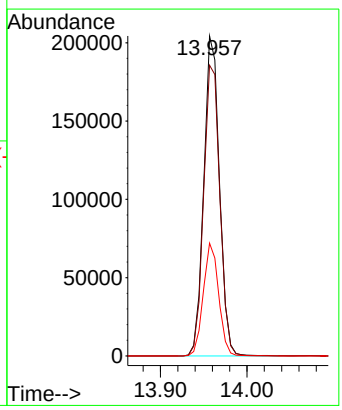




#96
1,2,3-Trichlorobenzene
Concen: 110.764 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:180 Resp: 256915

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	34.7	17.4	52.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	318806	138.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 277.940%#			
35) Dibromofluoromethane	5.385	113	256339	145.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 290.760%#			
50) Toluene-d8	8.647	98	851731	139.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 278.620%#			
62) 4-Bromofluorobenzene	11.079	95	329323	147.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 294.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	210421	130.533	ug/l	99
3) Chloromethane	1.295	50	265669	129.182	ug/l	100
4) Vinyl Chloride	1.374	62	256442	136.893	ug/l	98
5) Bromomethane	1.593	94	112014	153.092	ug/l	95
6) Chloroethane	1.660	64	90954	148.384	ug/l	100
7) Trichlorofluoromethane	1.861	101	310596	126.333	ug/l	100
8) Diethyl Ether	2.136	74	151359	140.945	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	212838	137.151	ug/l	99
10) Methyl Iodide	2.441	142	315072	146.614	ug/l	98
11) Tert butyl alcohol	3.026	59	337112	688.018	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	222500	145.831	ug/l	96
13) Acrolein	2.239	56	241097	624.444	ug/l	98
14) Allyl chloride	2.654	41	395090	145.930	ug/l	98
15) Acrylonitrile	3.069	53	736707	678.747	ug/l	99
16) Acetone	2.392	43	639840	653.408	ug/l	99
17) Carbon Disulfide	2.495	76	532448	168.596	ug/l	99
18) Methyl Acetate	2.709	43	392340	133.313	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	867383	146.111	ug/l	97
20) Methylene Chloride	2.782	84	274424	143.401	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	236759	143.334	ug/l	97
22) Diisopropyl ether	3.764	45	790777	141.515	ug/l	96
23) Vinyl Acetate	3.721	43	3509530	760.241	ug/l	99
24) 1,1-Dichloroethane	3.605	63	454844	144.305	ug/l	99
25) 2-Butanone	4.568	43	995055	669.046	ug/l	99
26) 2,2-Dichloropropane	4.471	77	367692	161.856	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	306808	149.076	ug/l	98
28) Bromochloromethane	4.898	49	223906	143.593	ug/l	99
29) Tetrahydrofuran	5.013	42	639748	658.777	ug/l	99
30) Chloroform	5.093	83	471770	139.964	ug/l	99
31) Cyclohexane	5.458	56	333317	133.285	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	407373	143.818	ug/l	99
36) 1,1-Dichloropropene	5.684	75	292944	140.377	ug/l	99
37) Ethyl Acetate	4.721	43	384683	135.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	340536	143.607	ug/l	98
39) Methylcyclohexane	7.379	83	375923	140.469	ug/l	98
40) Benzene	6.031	78	989523	141.848	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	203044	141.732	ug/l		96
42) 1,2-Dichloroethane	6.086	62	370244	144.284	ug/l		99
43) Isopropyl Acetate	6.342	43	646810	143.566	ug/l		99
44) Trichloroethene	7.123	130	251726	152.200	ug/l		96
45) 1,2-Dichloropropane	7.428	63	254281	149.267	ug/l		99
46) Dibromomethane	7.580	93	200317	153.073	ug/l		98
47) Bromodichloromethane	7.818	83	379264	163.366	ug/l		99
48) Methyl methacrylate	7.696	41	320841	152.537	ug/l		98
49) 1,4-Dioxane	7.671	88	113004	2091.122	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1948870	682.697	ug/l		99
52) Toluene	8.714	92	611241	142.120	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	405296	172.509	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	426054	165.131	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	259723	143.100	ug/l		99
56) Ethyl methacrylate	9.116	69	449693	153.315	ug/l		97
57) 1,3-Dichloropropane	9.305	76	437811	146.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1091414	756.448	ug/l		98
59) 2-Hexanone	9.433	43	1462736	677.655	ug/l		98
60) Dibromochloromethane	9.519	129	299138	176.144	ug/l		99
61) 1,2-Dibromoethane	9.610	107	275091	150.355	ug/l		99
64) Tetrachloroethene	9.269	164	198596	136.289	ug/l		95
65) Chlorobenzene	10.080	112	703451	145.269	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	250797	153.341	ug/l		100
67) Ethyl Benzene	10.195	91	1141257	141.675	ug/l		100
68) m/p-Xylenes	10.299	106	878867	287.969	ug/l		97
69) o-Xylene	10.640	106	450386	143.559	ug/l		98
70) Styrene	10.653	104	777762	153.173	ug/l		100
71) Bromoform	10.799	173	207497	188.187	ug/l	#	97
73) Isopropylbenzene	10.964	105	1088275	135.577	ug/l		99
74) N-amyl acetate	10.842	43	575386	142.309	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	402017	130.738	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	335384m	128.467	ug/l		
77) Bromobenzene	11.195	156	285385	139.269	ug/l		98
78) n-propylbenzene	11.305	91	1224689	143.160	ug/l		99
79) 2-Chlorotoluene	11.366	91	773459	134.748	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	914265	137.180	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	145480	170.044	ug/l		91
82) 4-Chlorotoluene	11.451	91	893567	140.669	ug/l		97
83) tert-Butylbenzene	11.713	119	935627	137.660	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	953082	139.821	ug/l		100
85) sec-Butylbenzene	11.890	105	1112980	141.391	ug/l		98
86) p-Isopropyltoluene	12.006	119	958987	147.051	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	521523	141.838	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	522586	140.994	ug/l		99
89) n-Butylbenzene	12.329	91	830990	157.180	ug/l		99
90) Hexachloroethane	12.536	117	179474	170.120	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	534157	140.889	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	94746	144.811	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	354426	159.641	ug/l		99
94) Hexachlorobutadiene	13.725	225	118245	150.492	ug/l		98
95) Naphthalene	13.774	128	1350122	148.198	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	363960	156.686	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

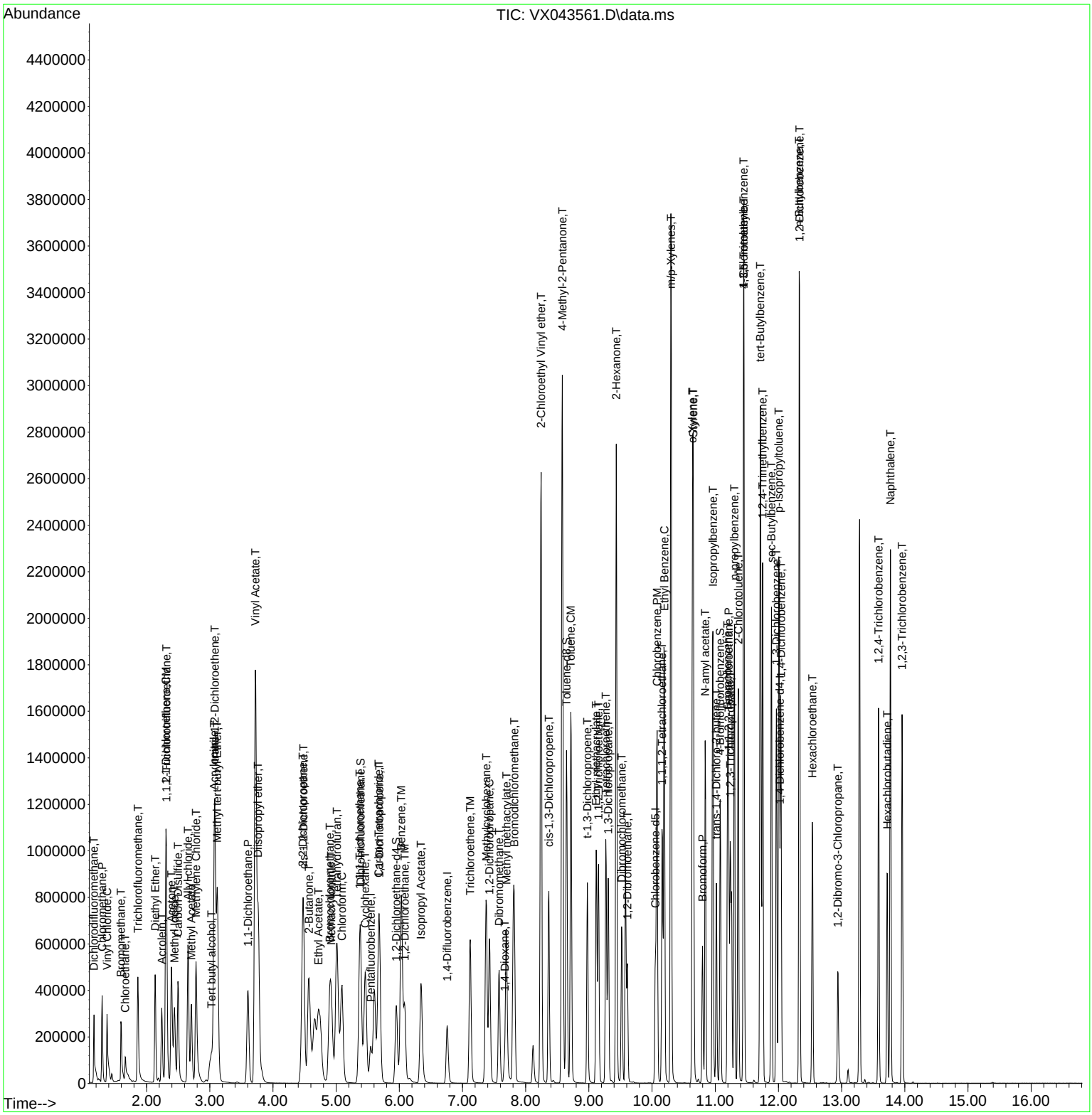
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

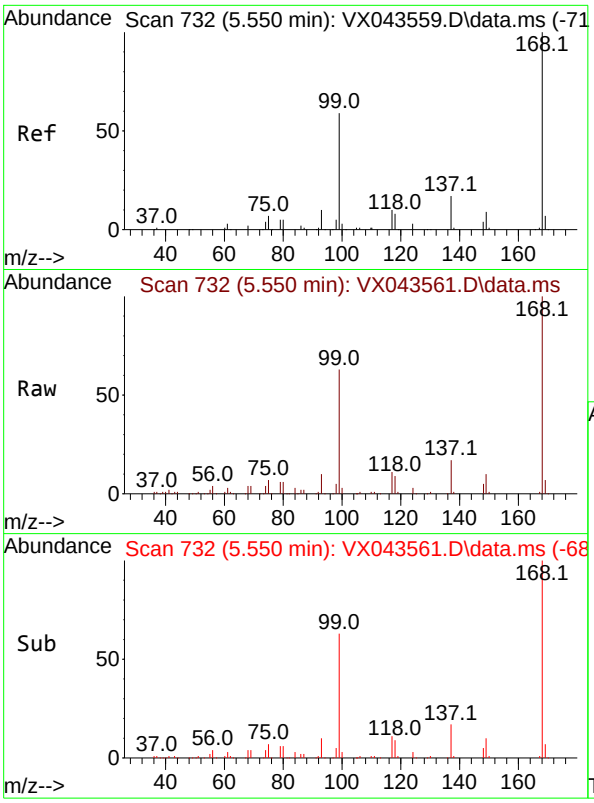
Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

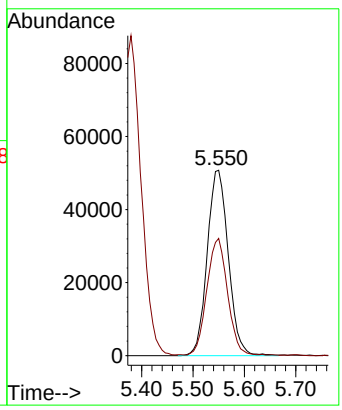




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:168 Resp: 14461

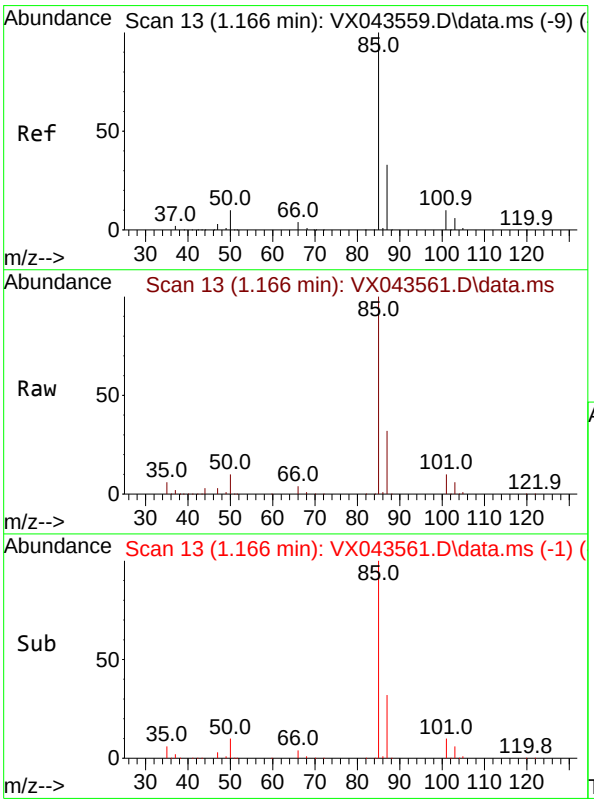
Ion	Ratio	Lower	Upper
168	100		
99	63.0	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

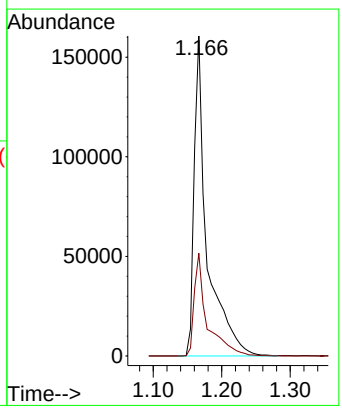
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

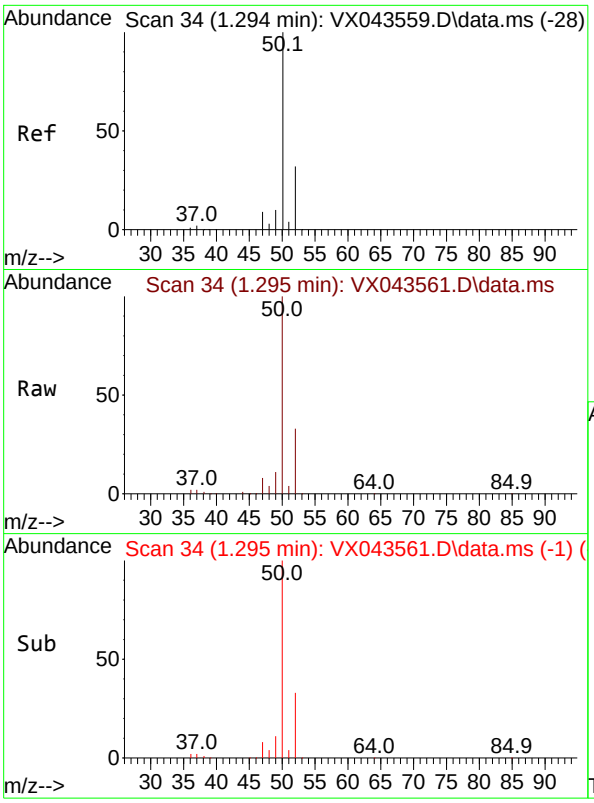


#2
Dichlorodifluoromethane
Concen: 130.533 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 85 Resp: 210421

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.0

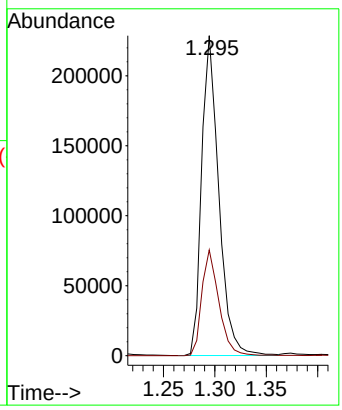




#3
Chloromethane
Concen: 129.182 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 50 Resp: 26566

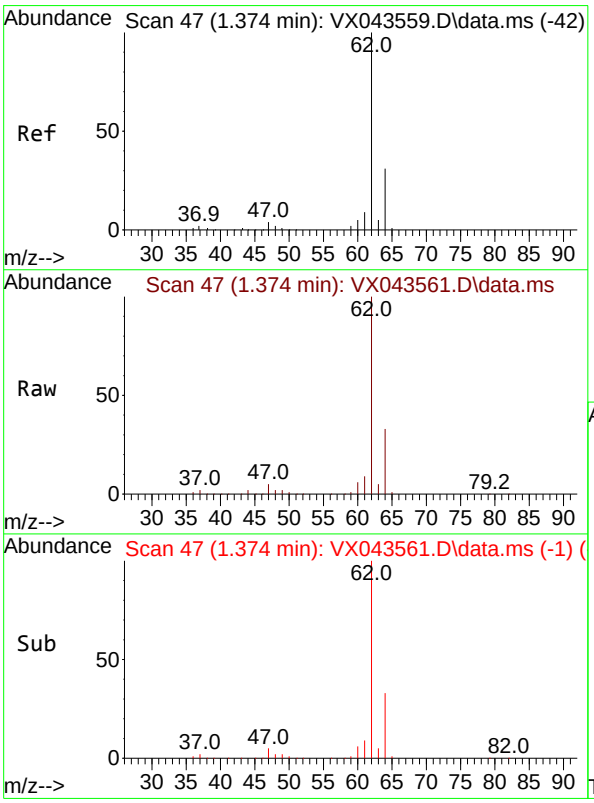
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

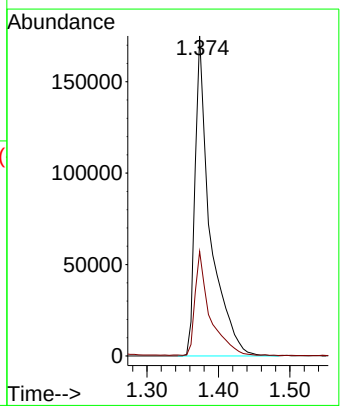
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

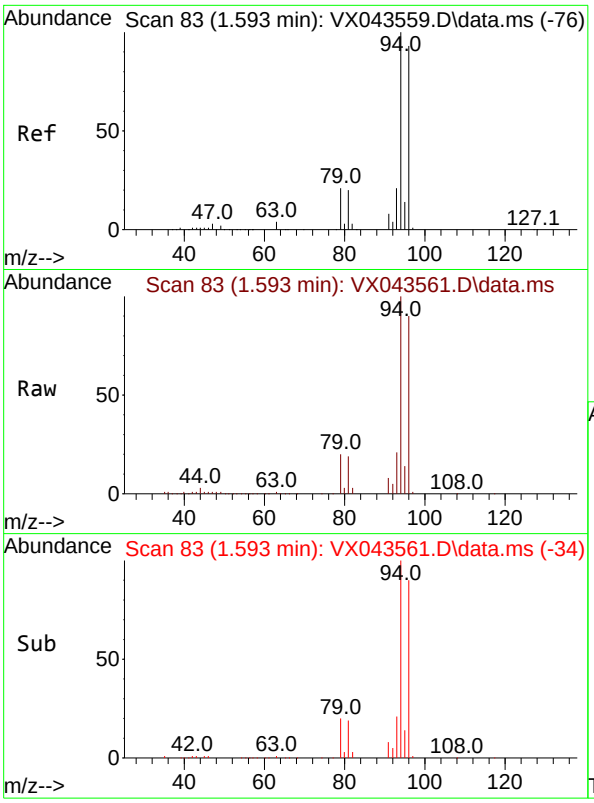


#4
Vinyl Chloride
Concen: 136.893 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 62 Resp: 256442

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.0	37.4

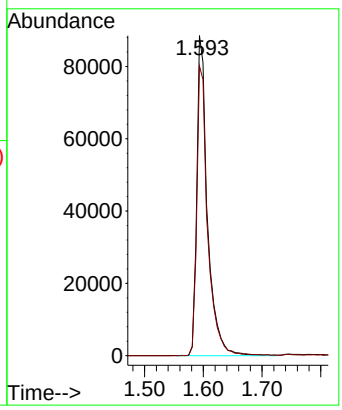




#5
Bromomethane
Concen: 153.092 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 94 Resp: 11201

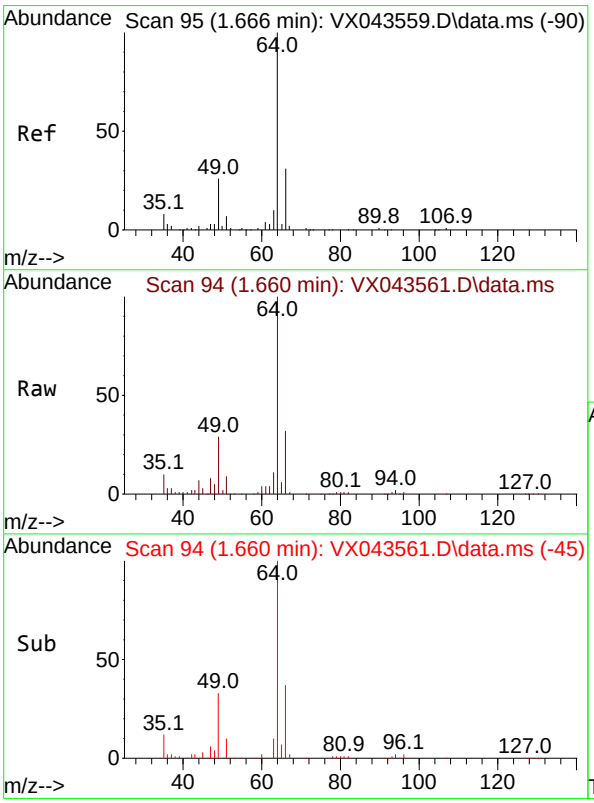
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

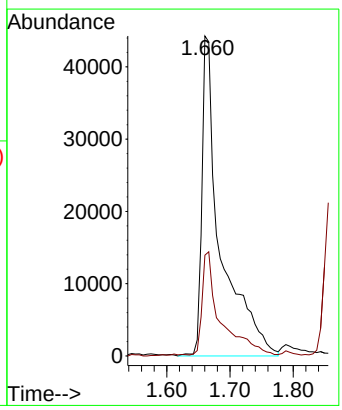
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

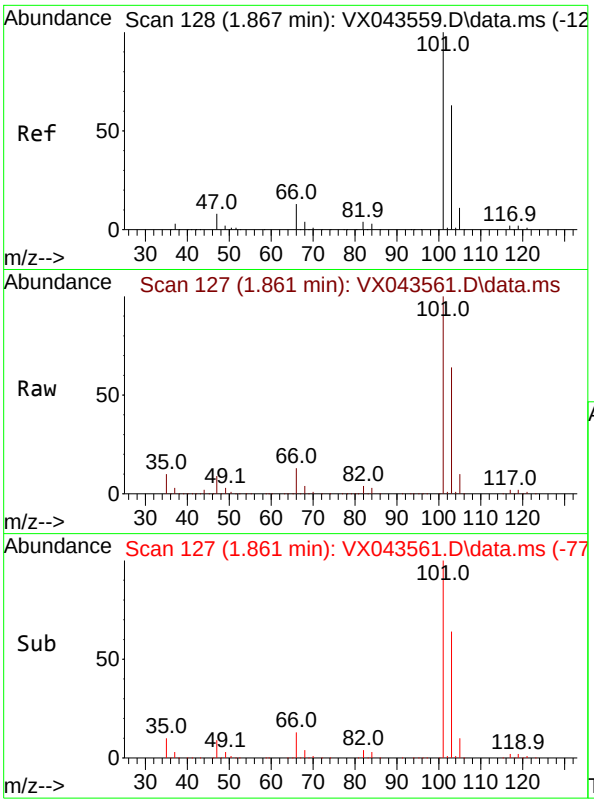


#6
Chloroethane
Concen: 148.384 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 64 Resp: 90954

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.1	37.7

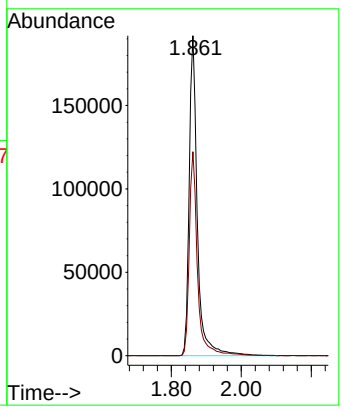




#7
Trichlorofluoromethane
Concen: 126.333 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:101 Resp: 31059

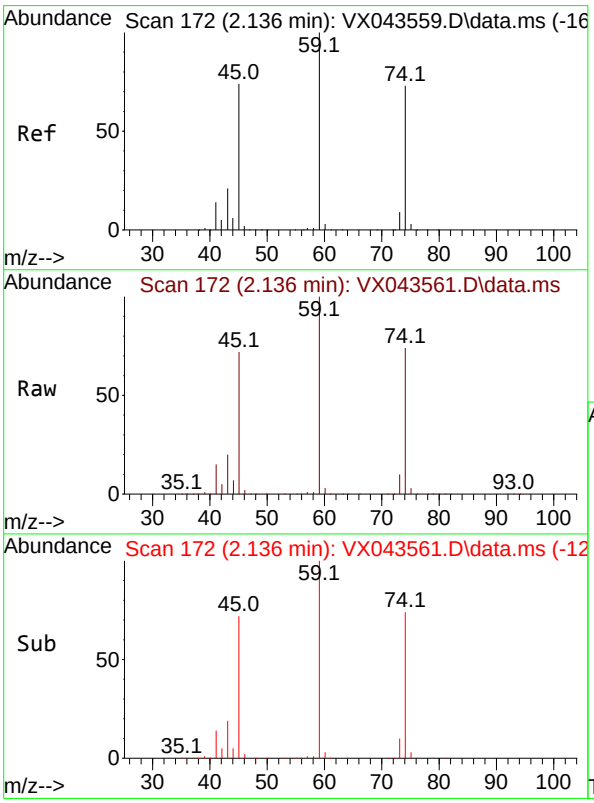
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

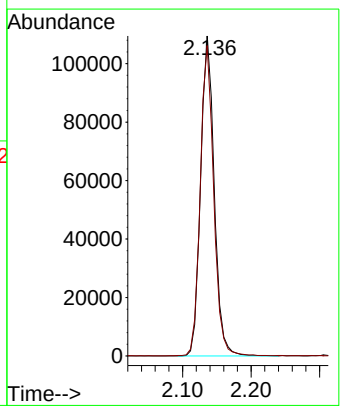
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

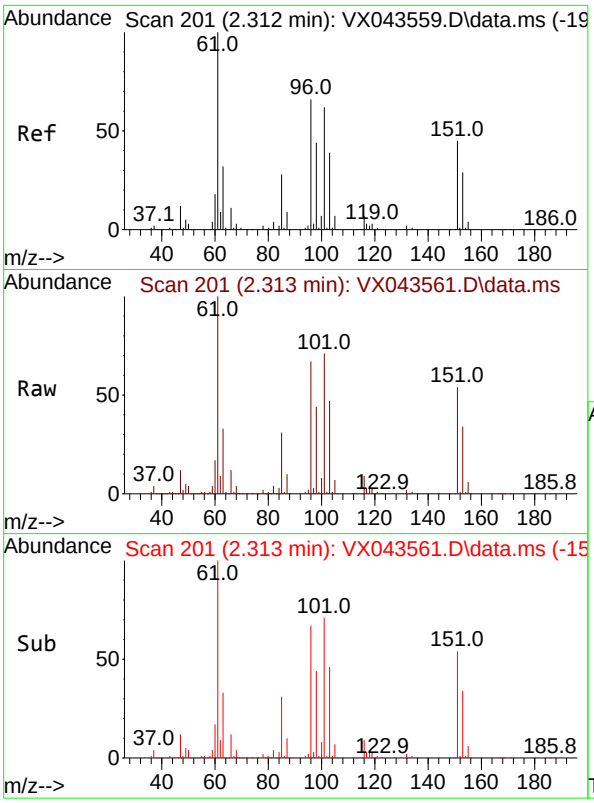


#8
Diethyl Ether
Concen: 140.945 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 74 Resp: 151359

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.151 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

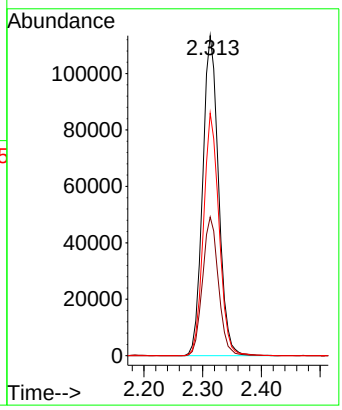
Tgt Ion:101 Resp: 21283

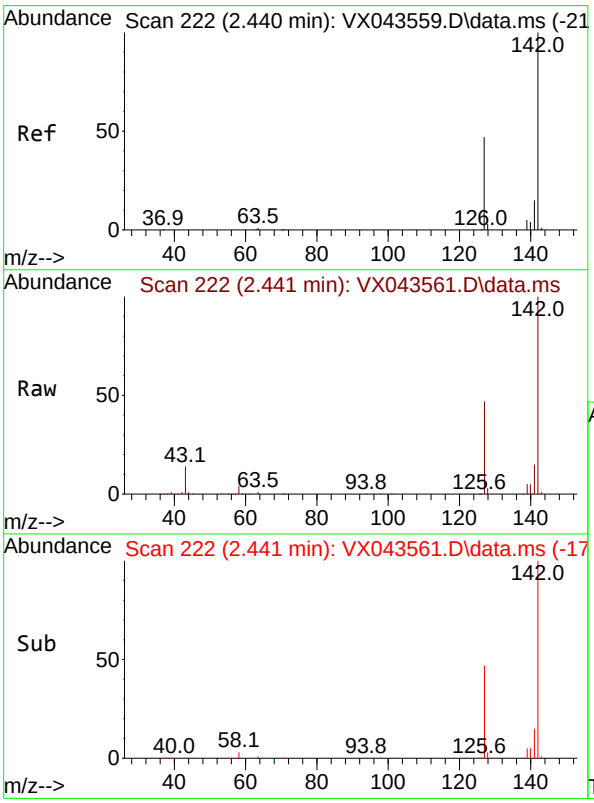
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.5	51.7
151	74.1	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

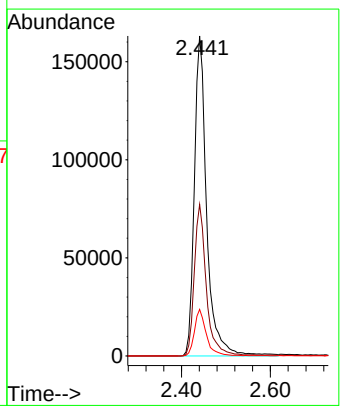


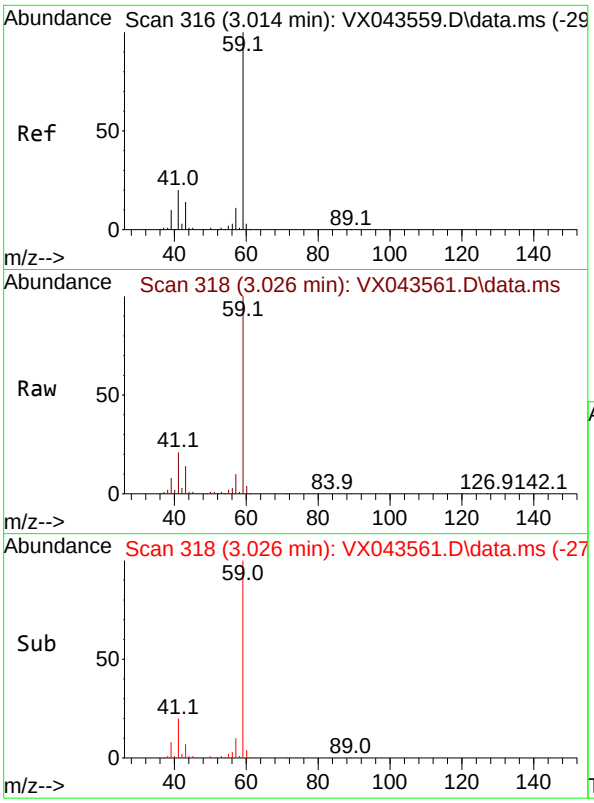


#10
Methyl Iodide
Concen: 146.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:142 Resp: 315072

Ion	Ratio	Lower	Upper
142	100		
127	45.9	38.2	57.4
141	14.1	11.5	17.3

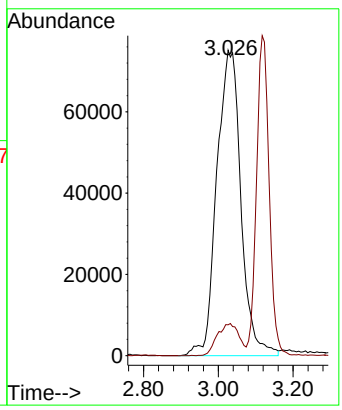




#11
Tert butyl alcohol
Concen: 688.018 ug/l
RT: 3.026 min Scan# 3
Delta R.T. -0.024 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 59 Resp: 33711

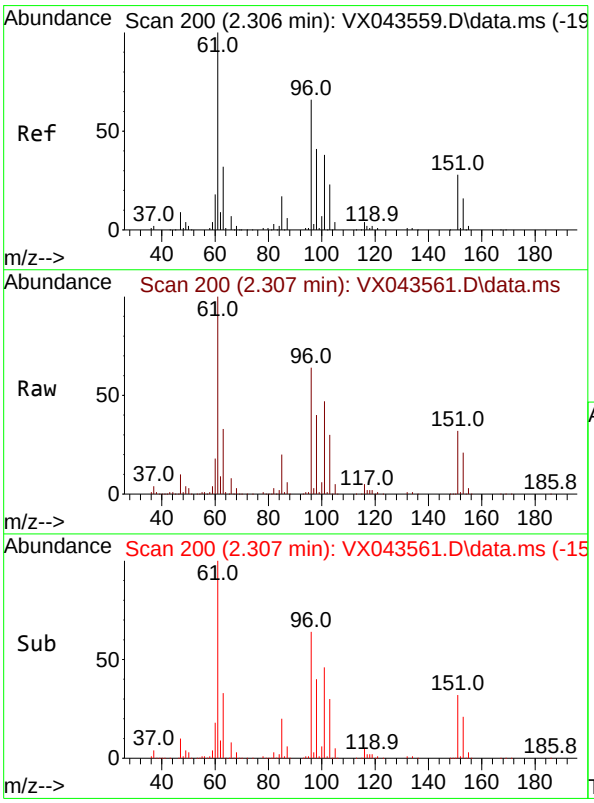
Ion	Ratio	Lower	Upper
59	100		
57	9.6	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

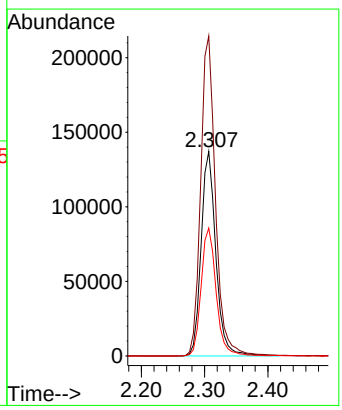
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

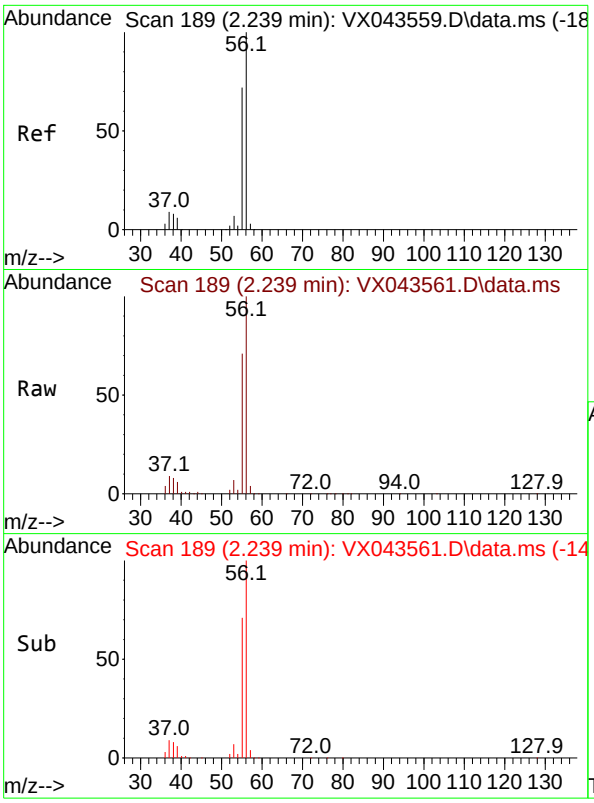


#12
1,1-Dichloroethene
Concen: 145.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 96 Resp: 222500

Ion	Ratio	Lower	Upper
96	100		
61	156.5	130.2	195.4
98	62.6	51.0	76.6

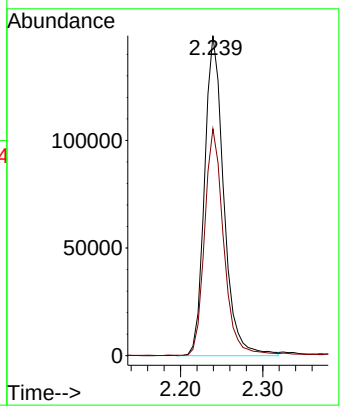




#13
Acrolein
Concen: 624.444 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 56 Resp: 24109

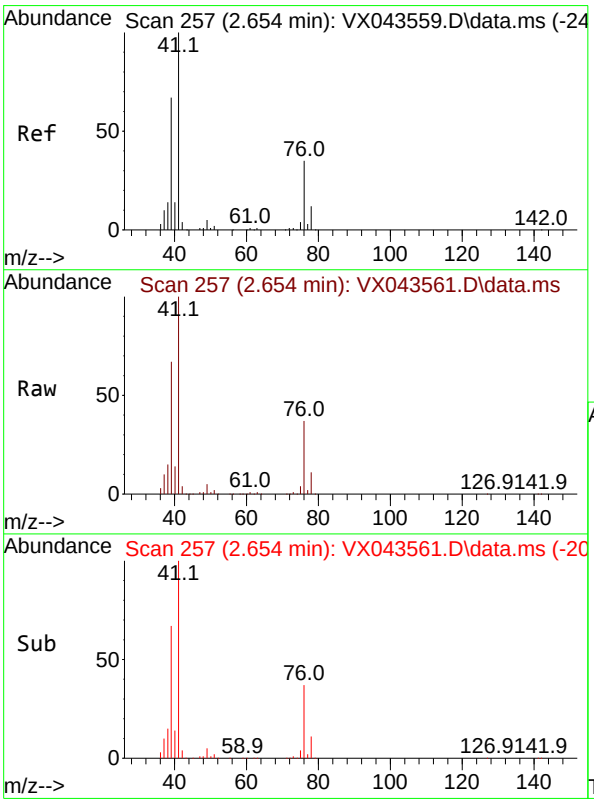
Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

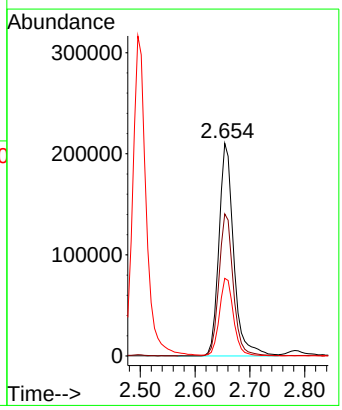
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

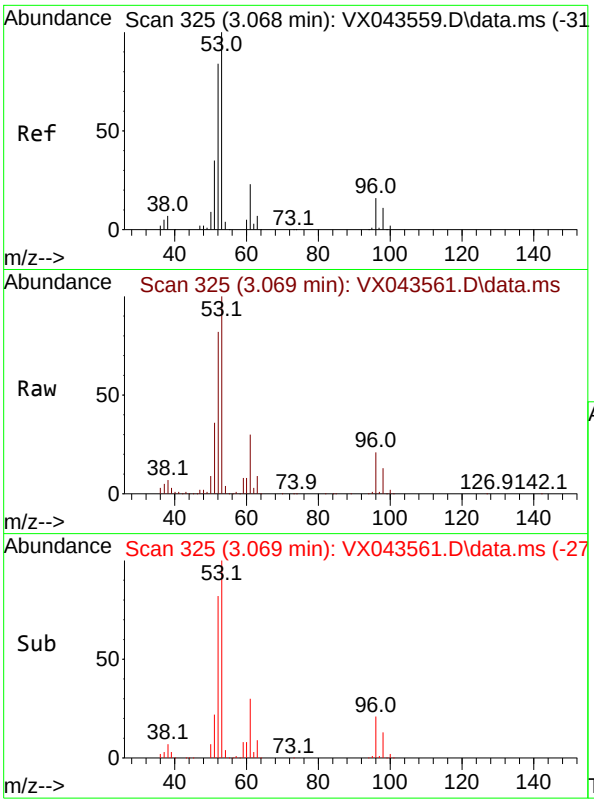


#14
Allyl chloride
Concen: 145.930 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 41 Resp: 395090

Ion	Ratio	Lower	Upper
41	100		
39	64.4	53.2	79.8
76	34.9	27.0	40.6

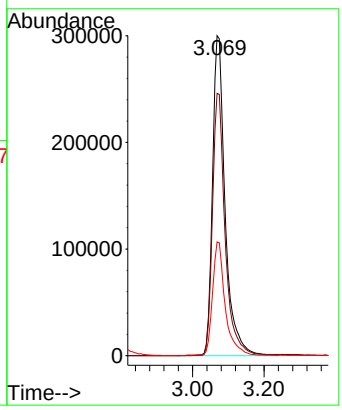




#15
Acrylonitrile
Concen: 678.747 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 53 Resp: 73670

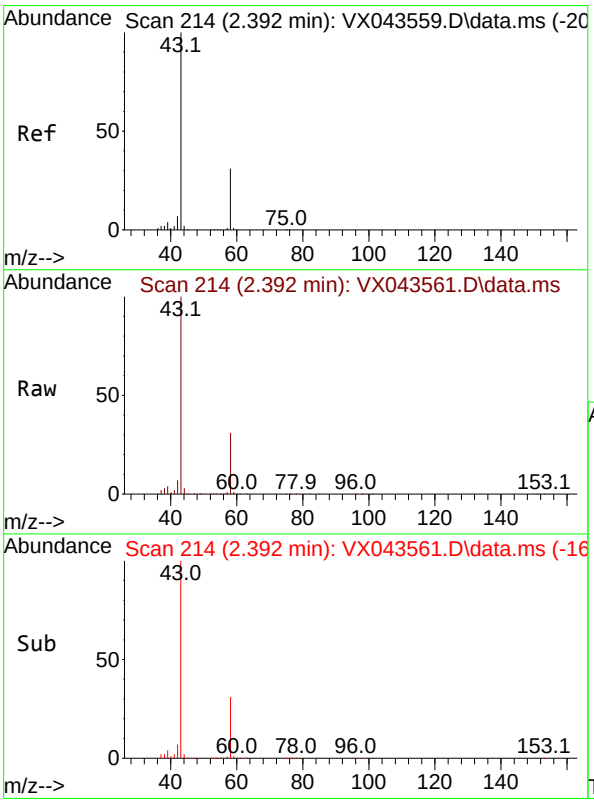
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.6
51	35.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

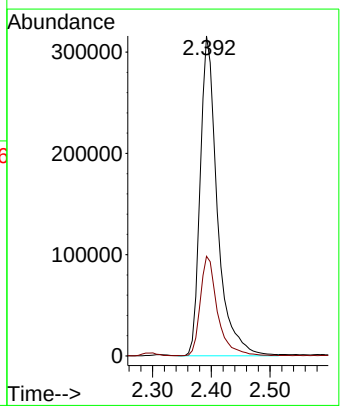
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

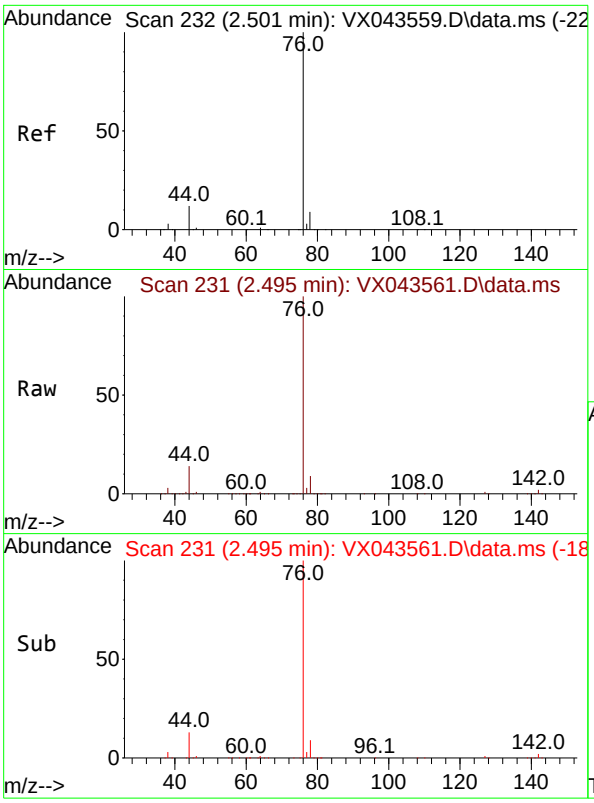


#16
Acetone
Concen: 653.408 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 639840

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.1	37.7

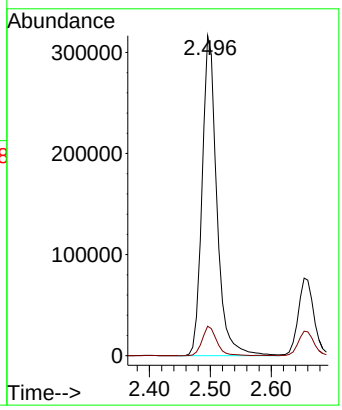




#17
Carbon Disulfide
Concen: 168.596 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 76 Resp: 53244

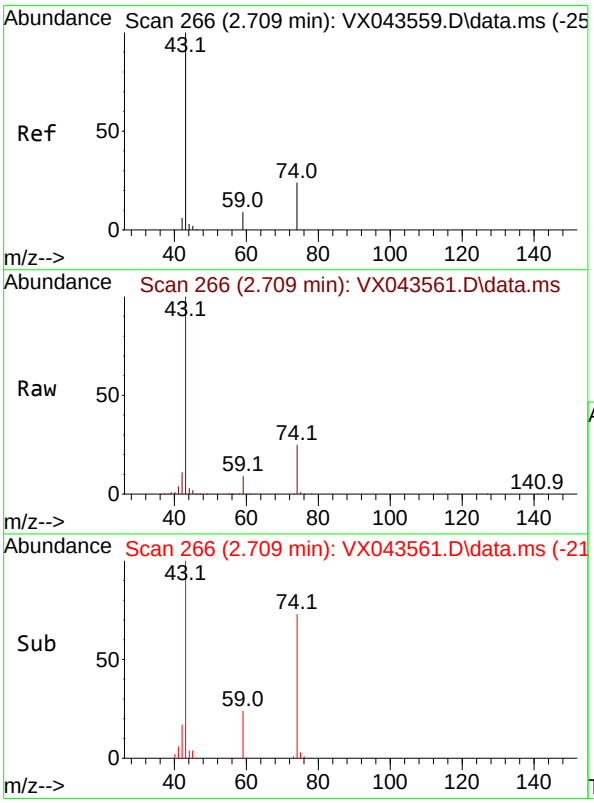
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

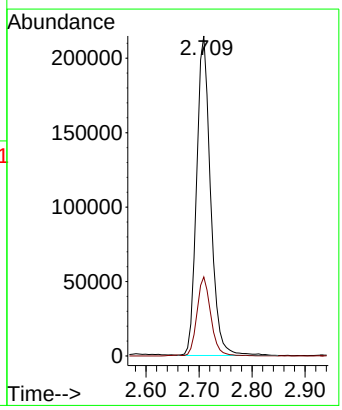
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

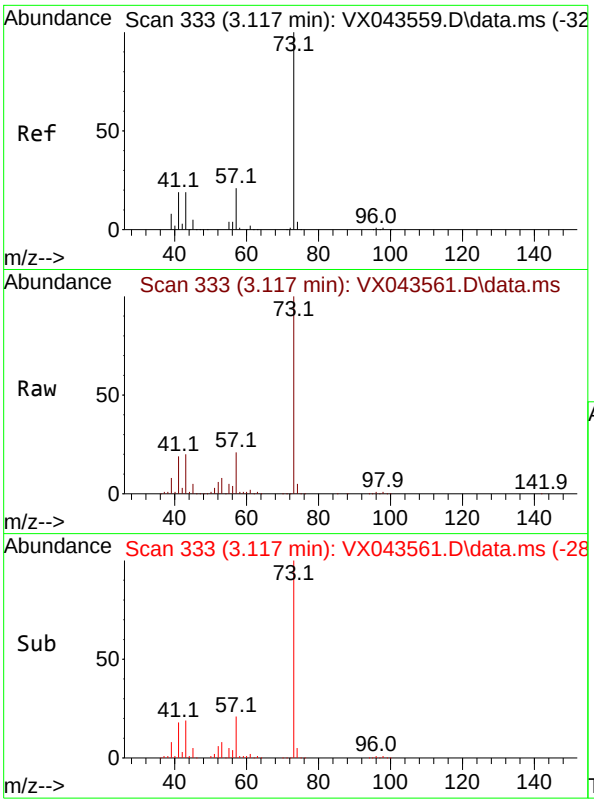


#18
Methyl Acetate
Concen: 133.313 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 392340

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.1	28.7

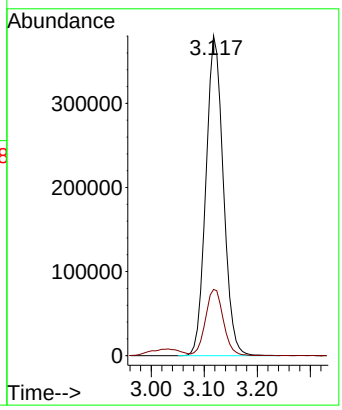




#19
Methyl tert-butyl Ether
Concen: 146.111 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 73 Resp: 86738

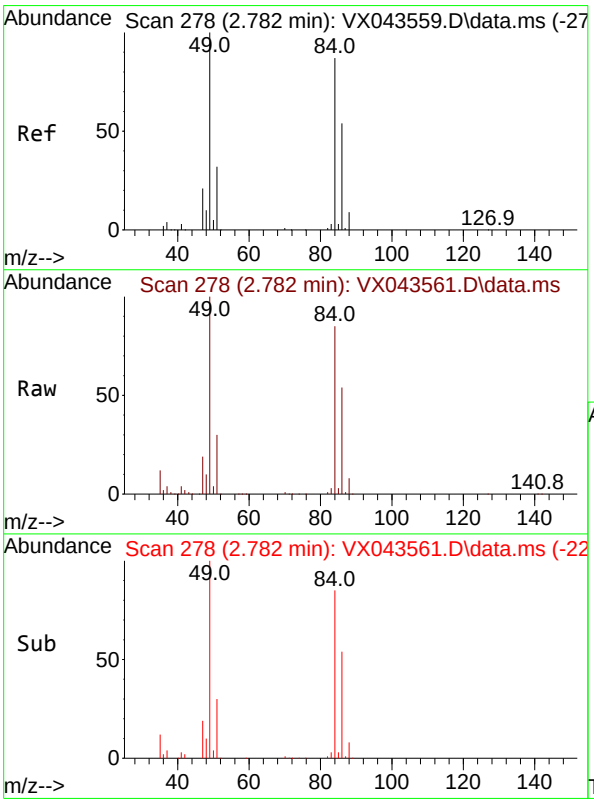
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

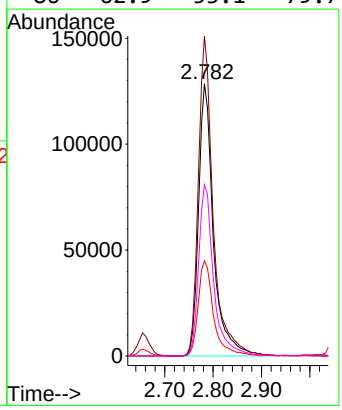
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

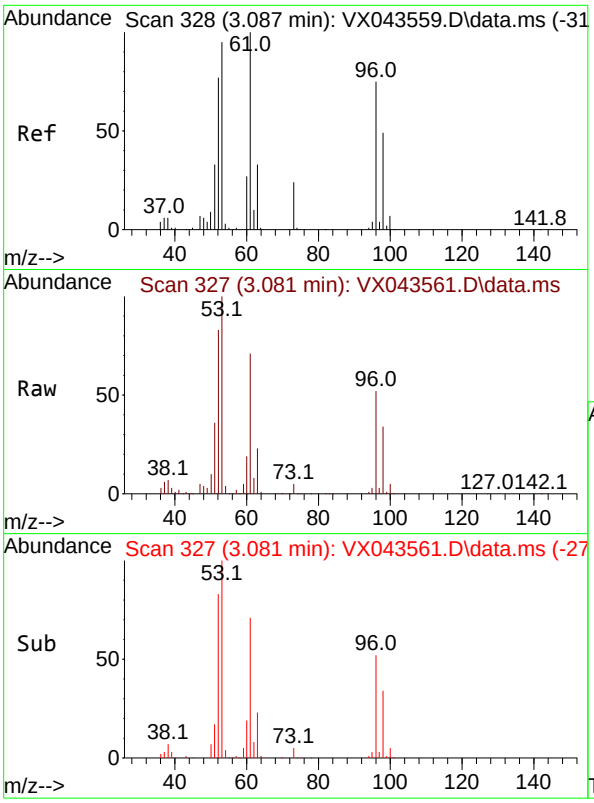


#20
Methylene Chloride
Concen: 143.401 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 84 Resp: 274424

Ion	Ratio	Lower	Upper
84	100		
49	117.5	97.0	145.6
51	34.9	29.8	44.8
86	62.9	53.1	79.7

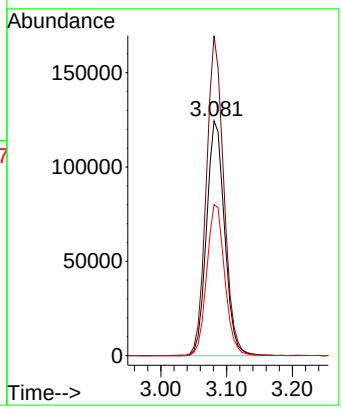




#21
trans-1,2-Dichloroethene
Concen: 143.334 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 96 Resp: 23675

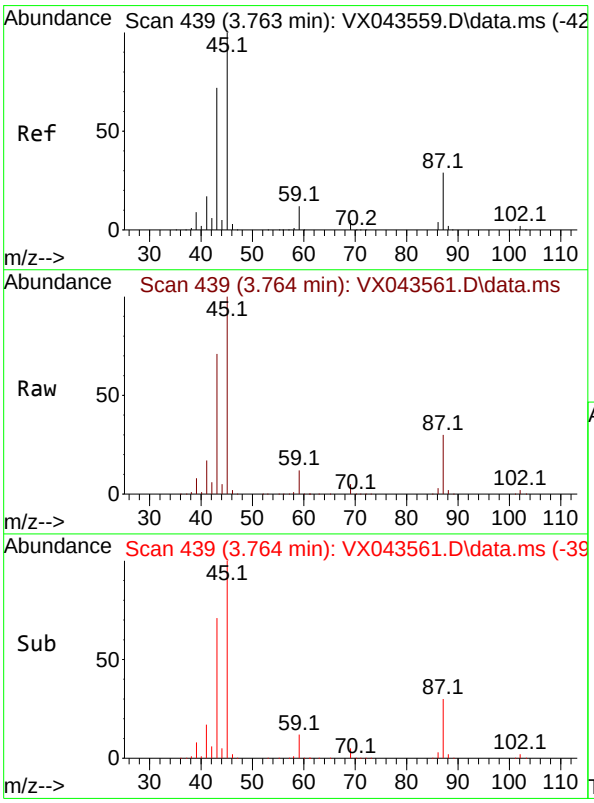
Ion	Ratio	Lower	Upper
96	100		
61	136.2	107.1	160.7
98	64.4	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

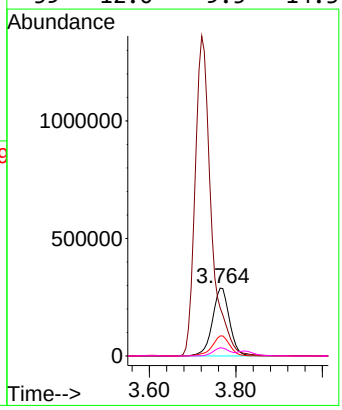
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

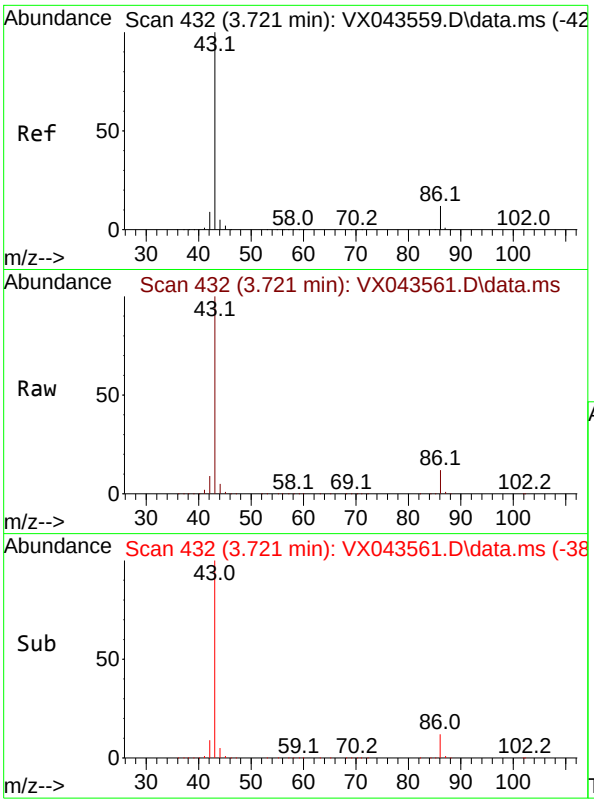


#22
Diisopropyl ether
Concen: 141.515 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 45 Resp: 790777

Ion	Ratio	Lower	Upper
45	100		
43	71.1	60.6	90.8
87	29.5	22.0	33.0
59	12.0	9.5	14.3





#23
Vinyl Acetate
Concen: 760.241 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

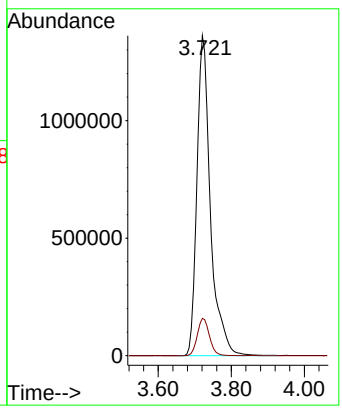
Tgt Ion: 43 Resp: 350953

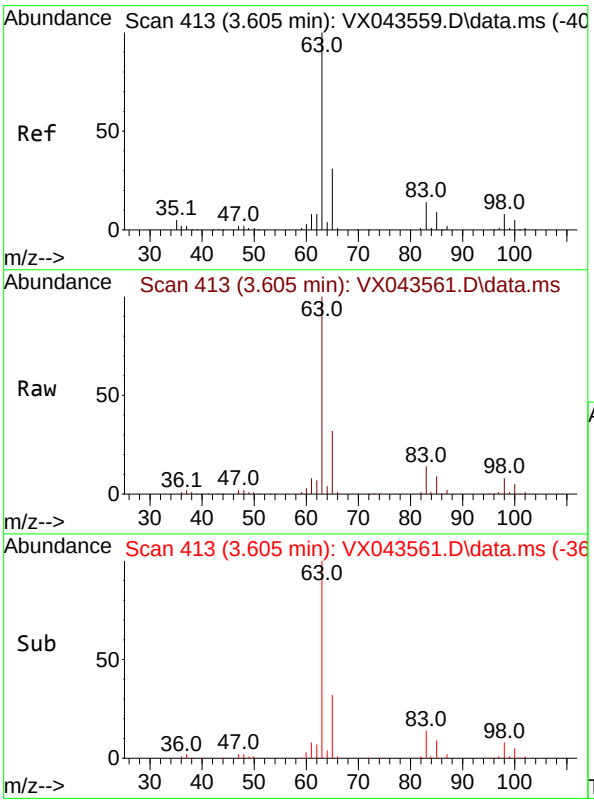
Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

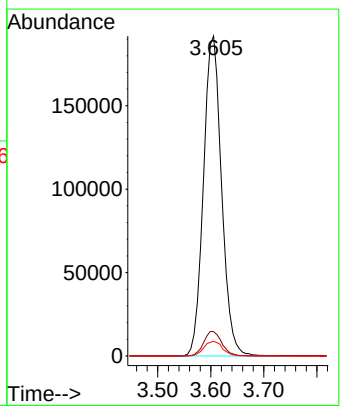


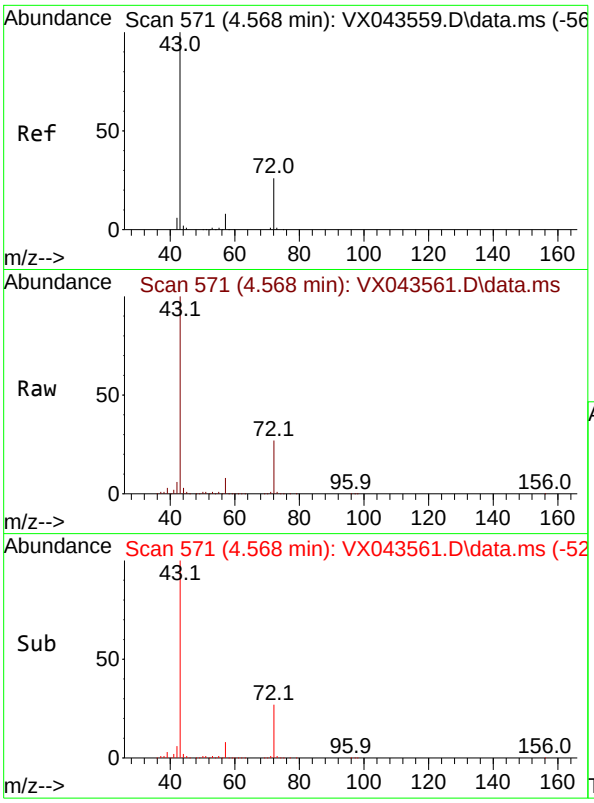


#24
1,1-Dichloroethane
Concen: 144.305 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 63 Resp: 454844

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	4.5	2.4	7.2

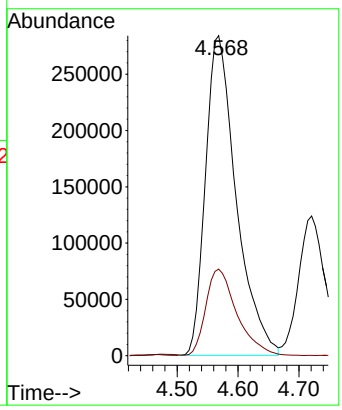




#25
2-Butanone
Concen: 669.046 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 99505

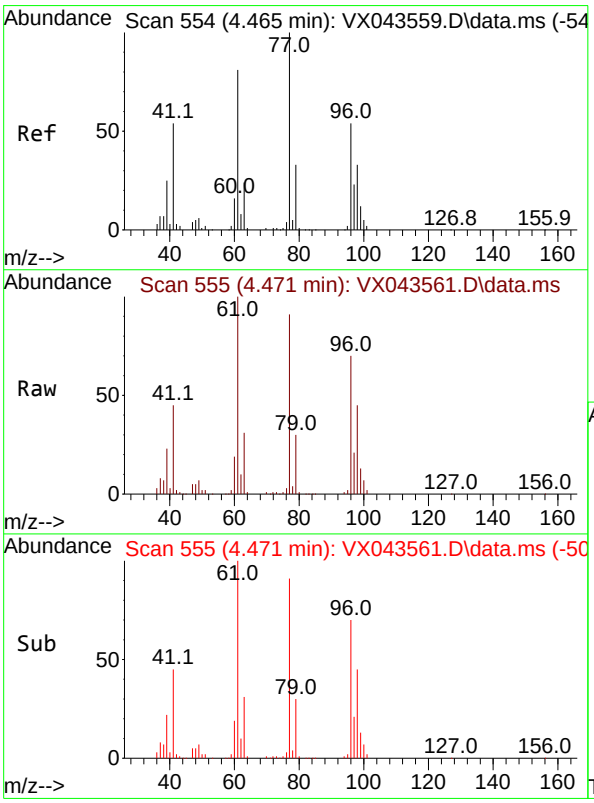
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

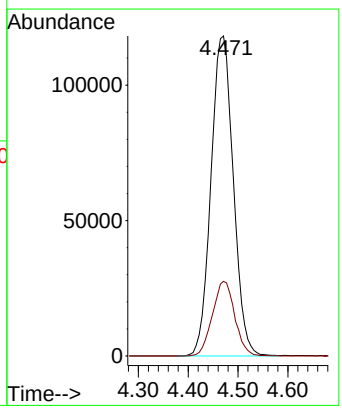
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

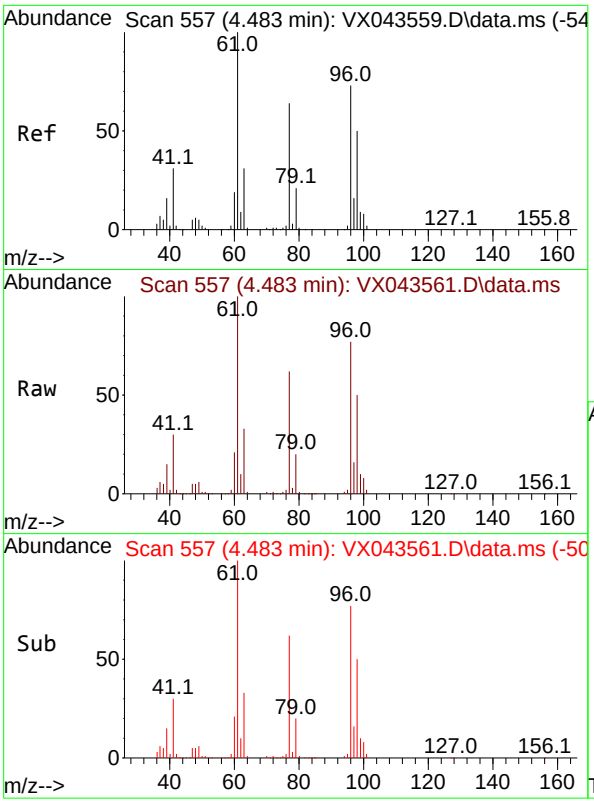


#26
2,2-Dichloropropane
Concen: 161.856 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 77 Resp: 367692

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8

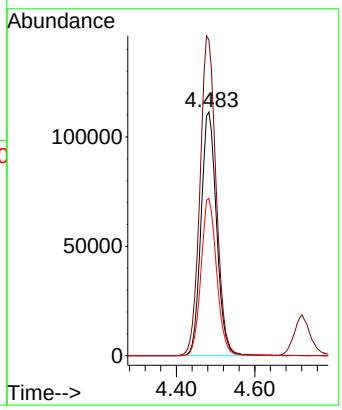




#27
cis-1,2-Dichloroethene
Concen: 149.076 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 96 Resp: 30680

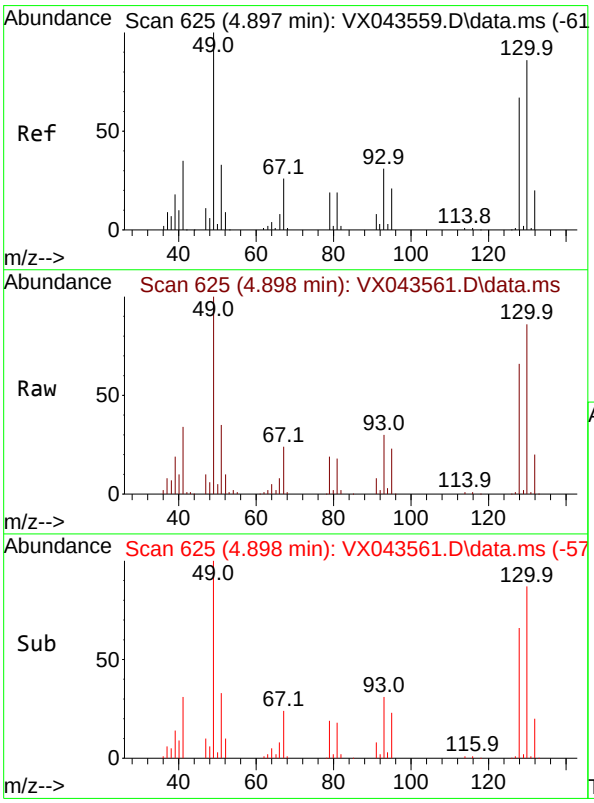
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	277.2
98	64.8	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

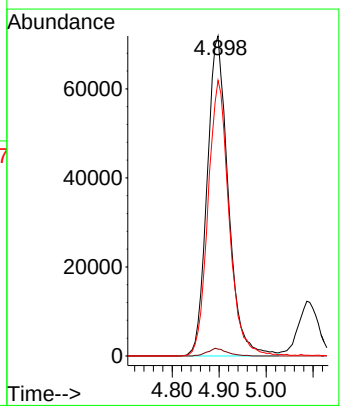
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

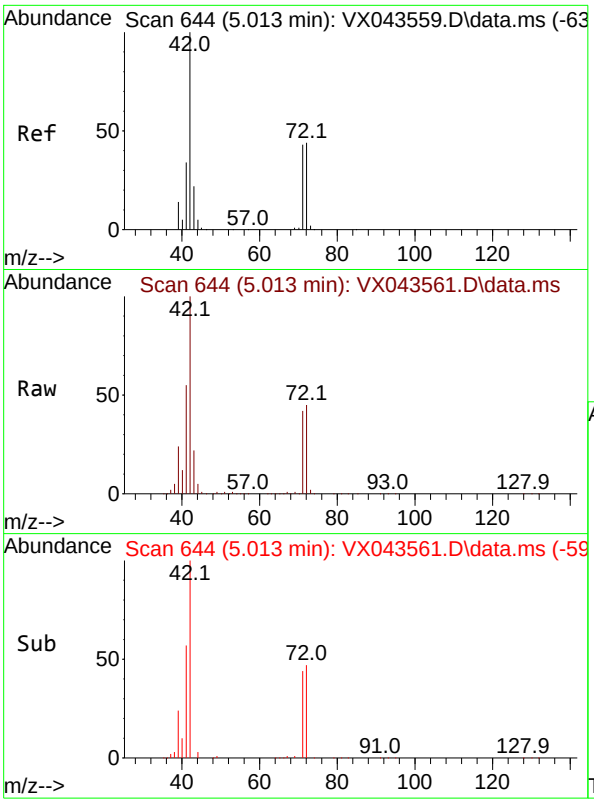


#28
Bromochloromethane
Concen: 143.593 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 49 Resp: 223906

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.8	67.8	101.8

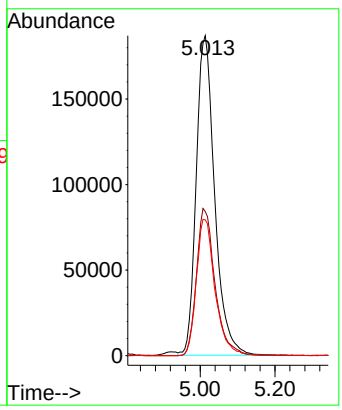




#29
Tetrahydrofuran
Concen: 658.777 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 42 Resp: 63974

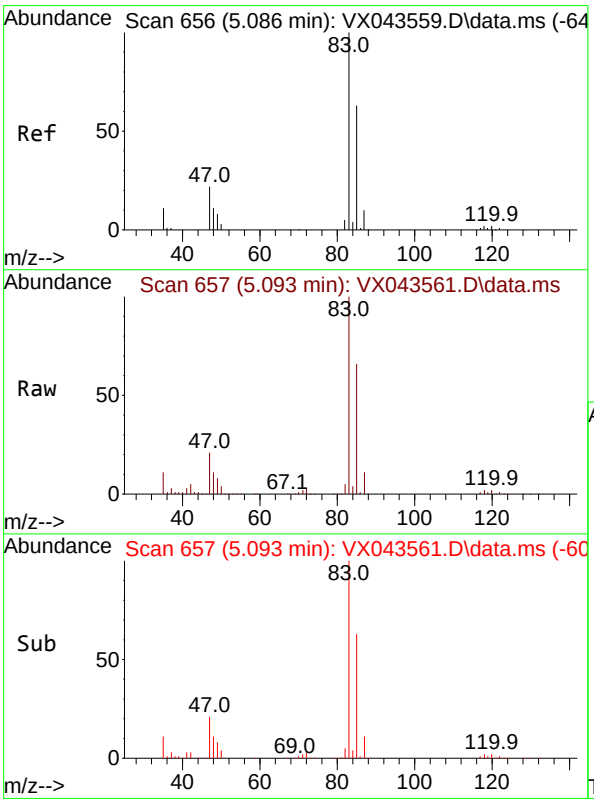
Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	55.0
71	43.3	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

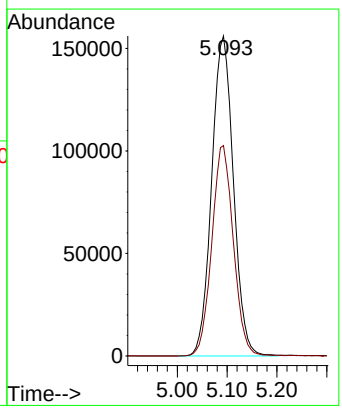
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

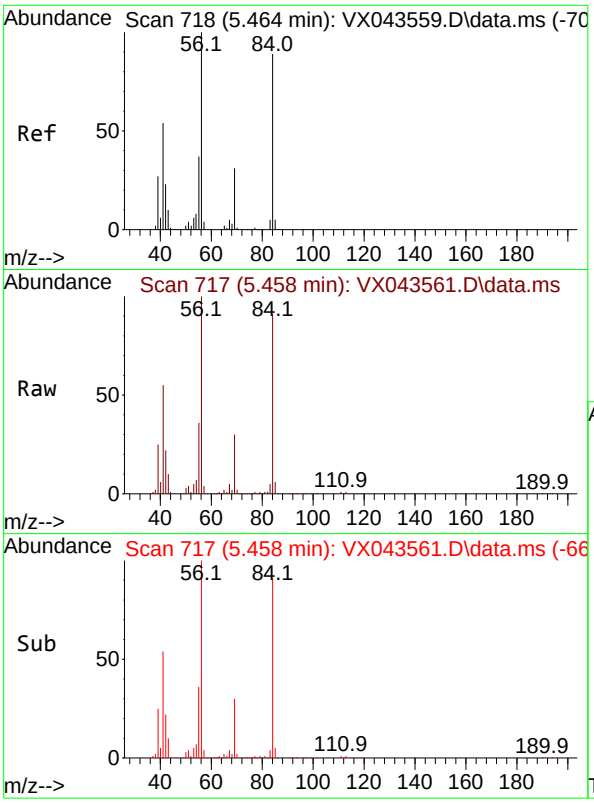


#30
Chloroform
Concen: 139.964 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 83 Resp: 471770

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4





#31
Cyclohexane
Concen: 133.285 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

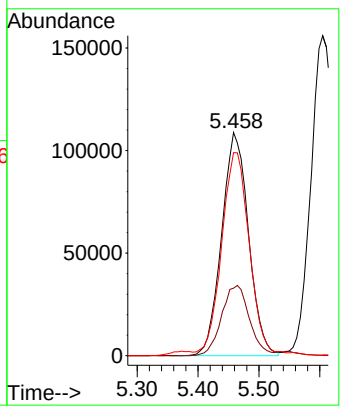
Tgt Ion: 56 Resp: 33331

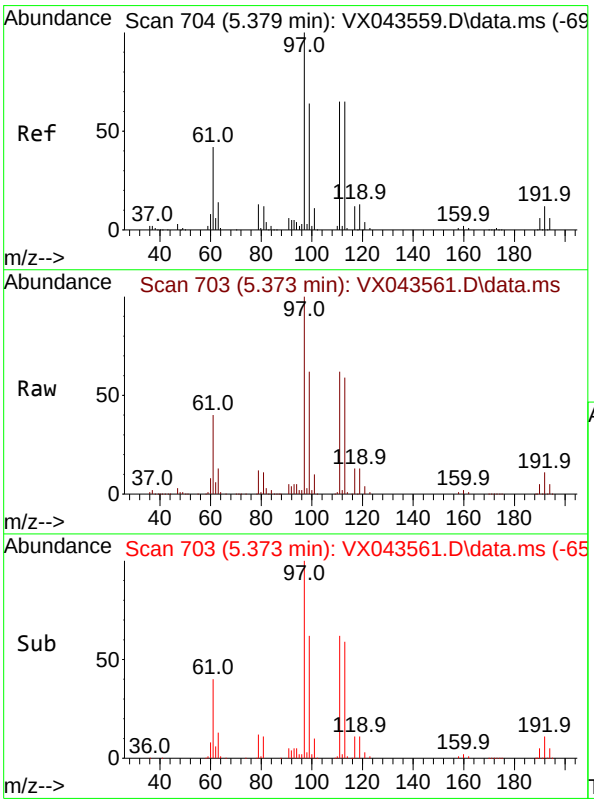
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.9	37.3
84	89.3	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

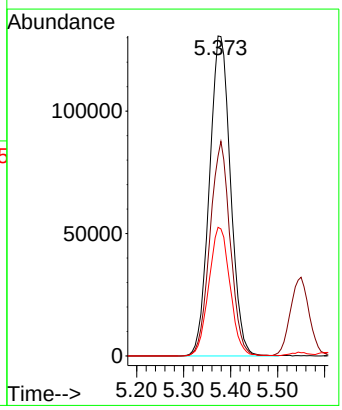


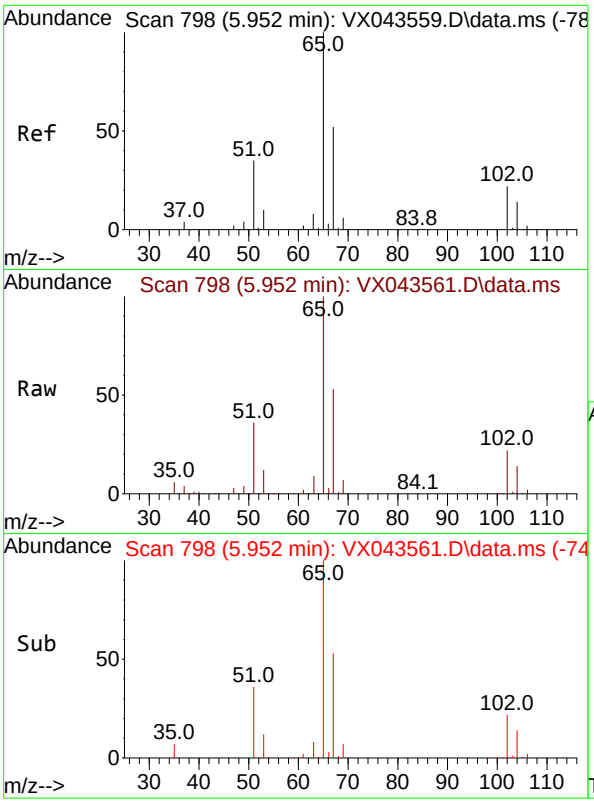


#32
1,1,1-Trichloroethane
Concen: 143.818 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 97 Resp: 407373

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	40.6	34.0	51.0

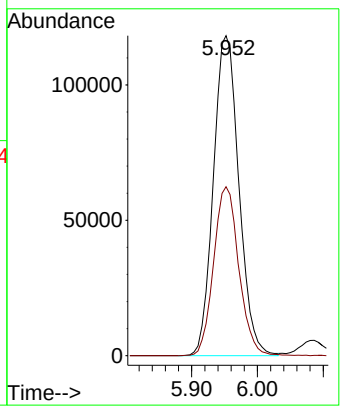




#33
1,2-Dichloroethane-d4
Concen: 138.969 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 65 Resp: 31880

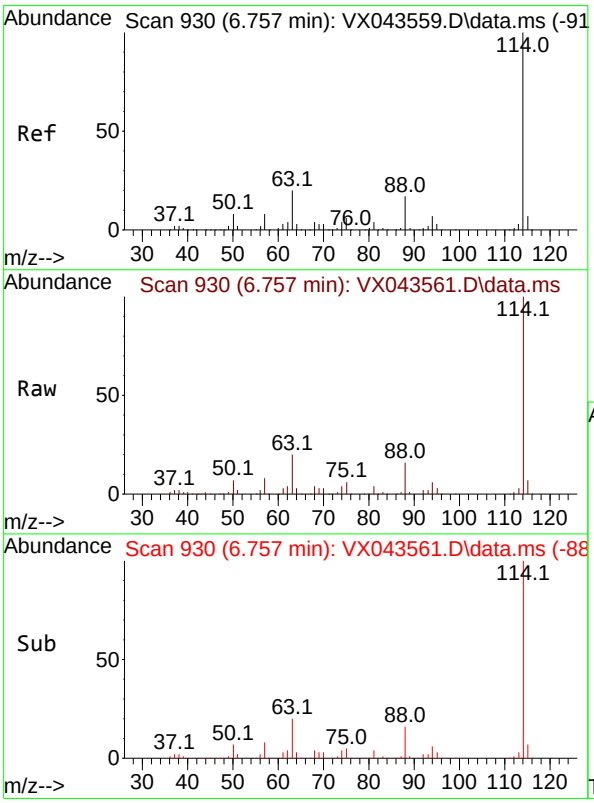
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

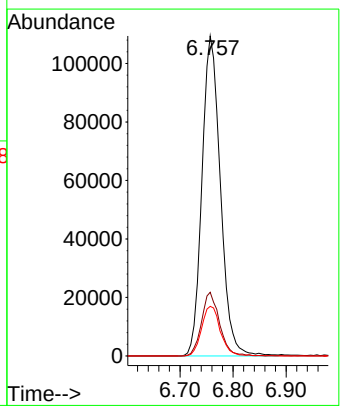
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

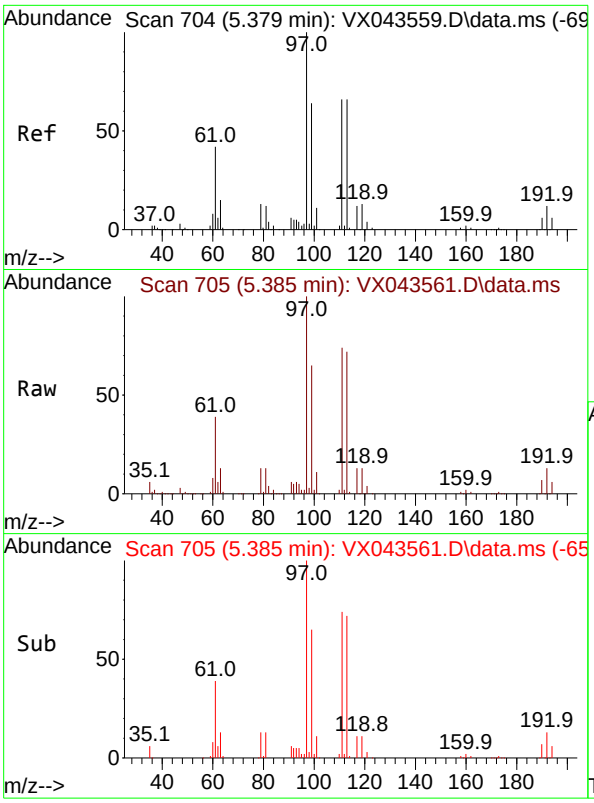


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:114 Resp: 264800

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	15.5	0.0	34.0

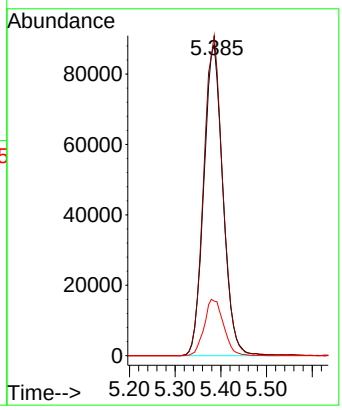




#35
Dibromofluoromethane
Concen: 145.381 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:113 Resp: 25633

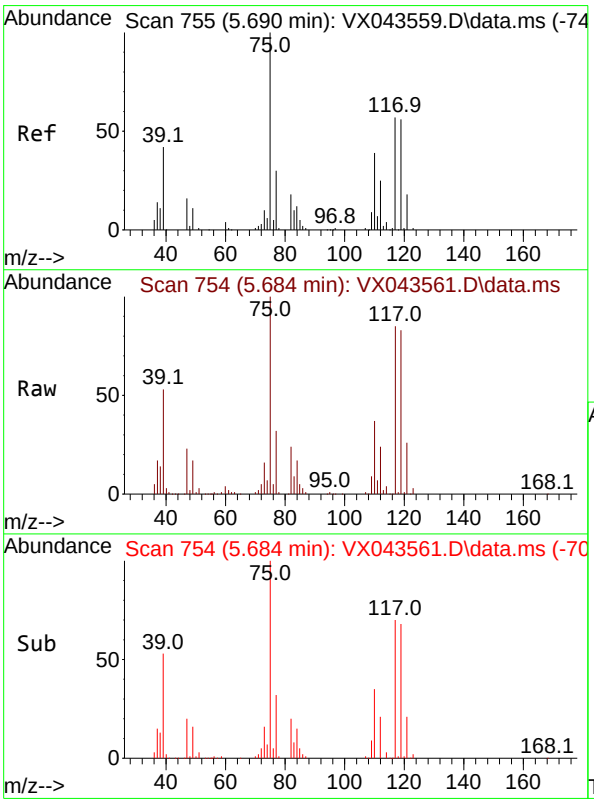
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	18.4	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

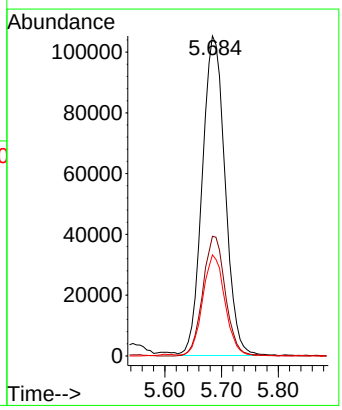
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

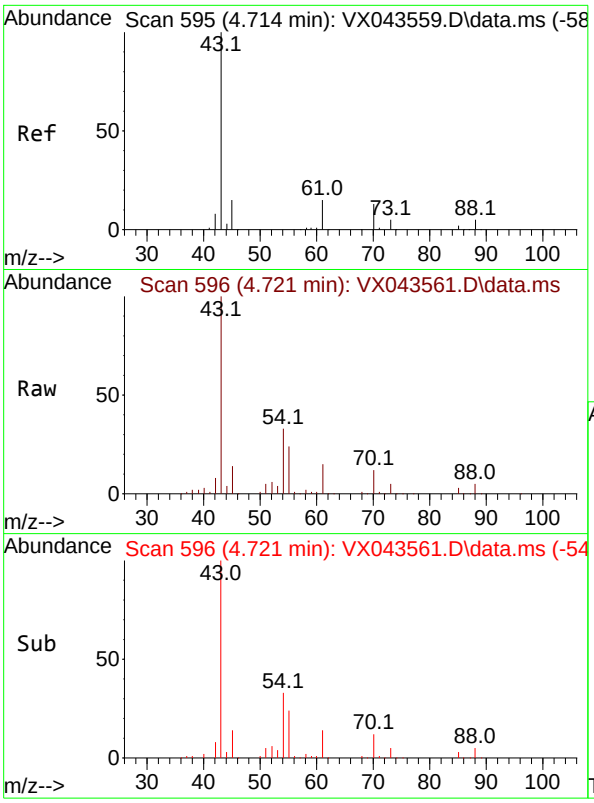


#36
1,1-Dichloropropene
Concen: 140.377 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 292944

Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.9	53.7
77	31.1	25.0	37.4

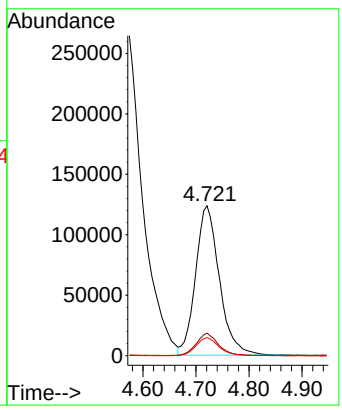




#37
Ethyl Acetate
Concen: 135.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 38468

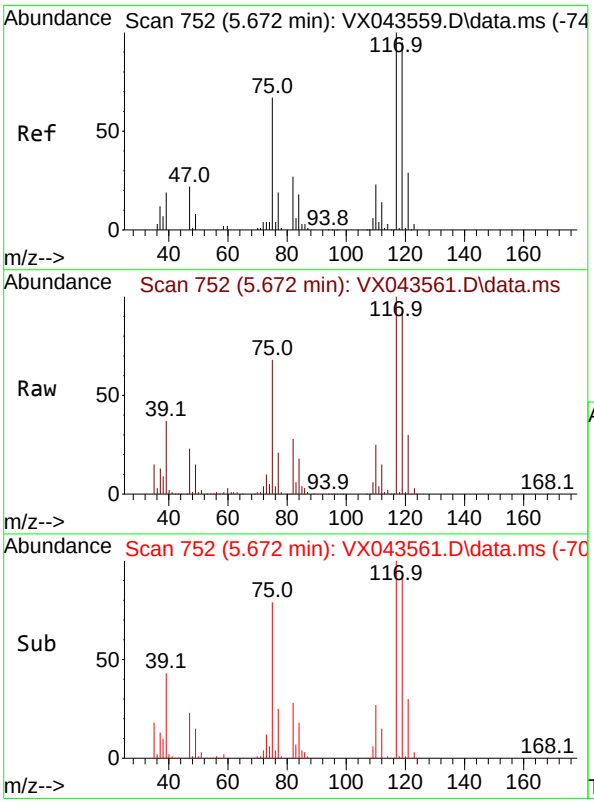
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	11.7	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

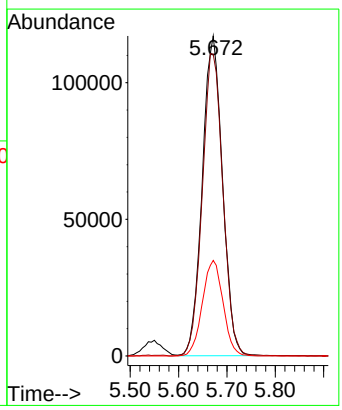
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

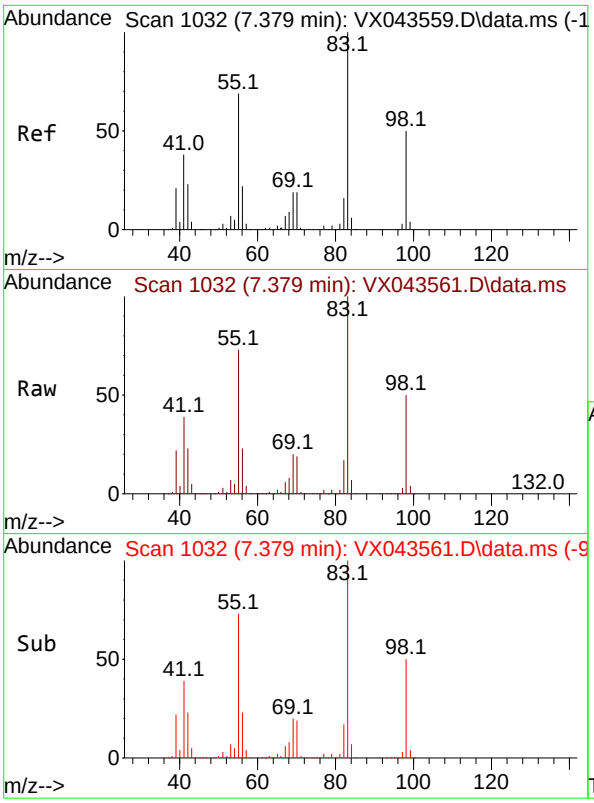


#38
Carbon Tetrachloride
Concen: 143.607 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:117 Resp: 340536

Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.0	115.6
121	29.9	24.7	37.1





#39
Methylcyclohexane
Concen: 140.469 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

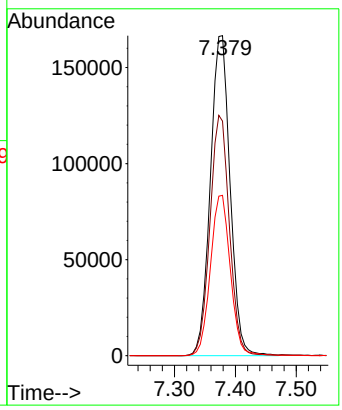
Tgt Ion: 83 Resp: 37592

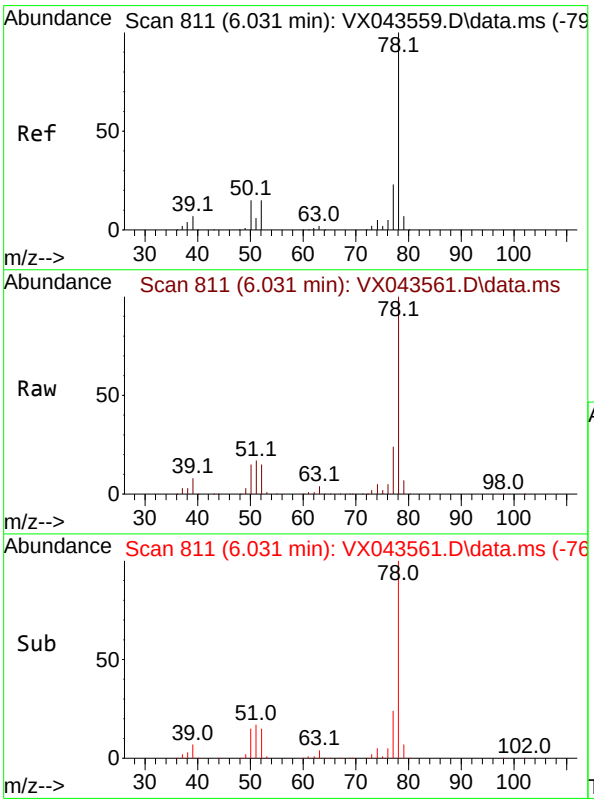
Ion	Ratio	Lower	Upper
83	100		
55	73.3	59.9	89.9
98	50.1	41.3	61.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

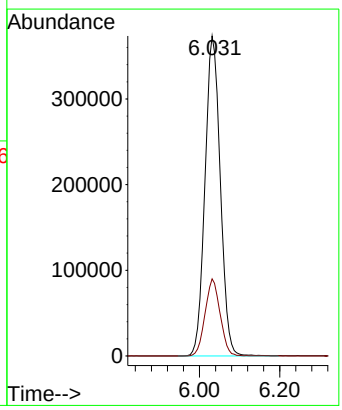


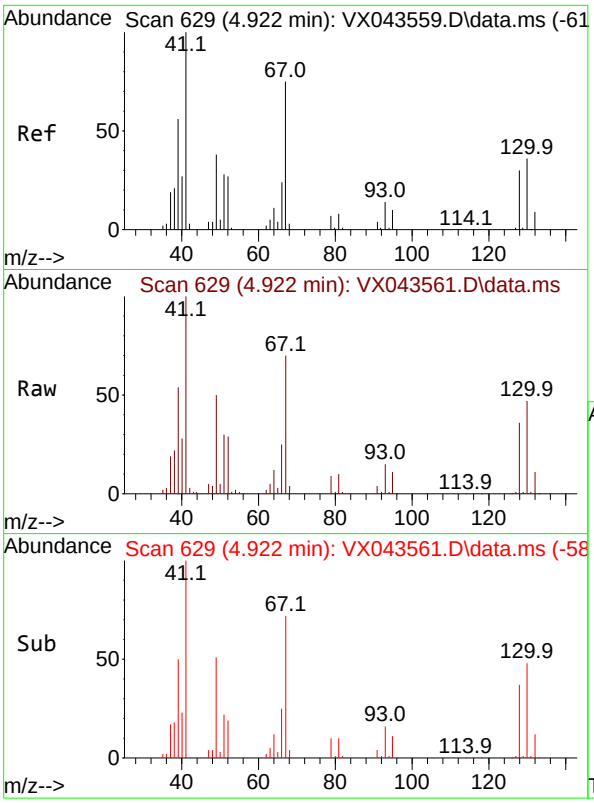


#40
Benzene
Concen: 141.848 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 78 Resp: 989523

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6

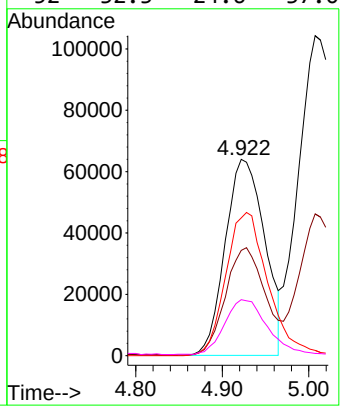




#41
Methacrylonitrile
Concen: 141.732 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 41 Resp: 20304

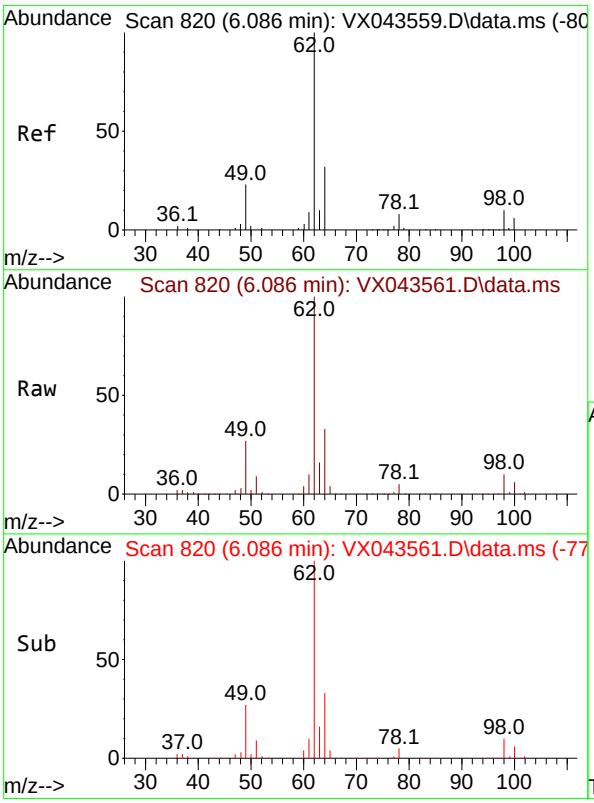
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.5	65.3
67	78.3	58.3	87.5
52	32.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

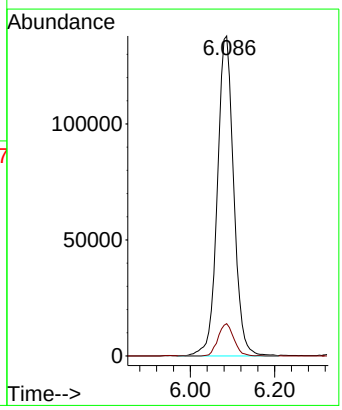
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

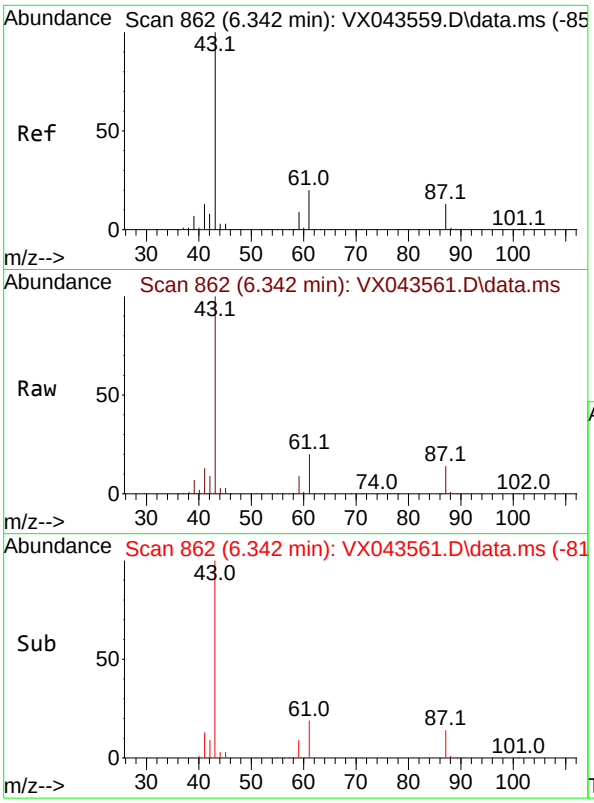


#42
1,2-Dichloroethane
Concen: 144.284 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 62 Resp: 370244

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8

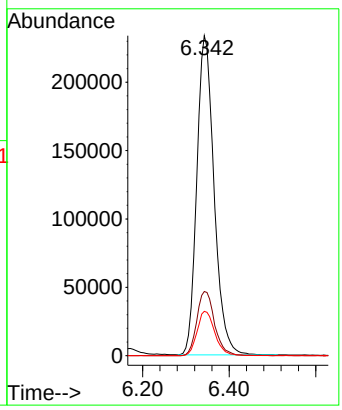




#43
Isopropyl Acetate
Concen: 143.566 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 64681

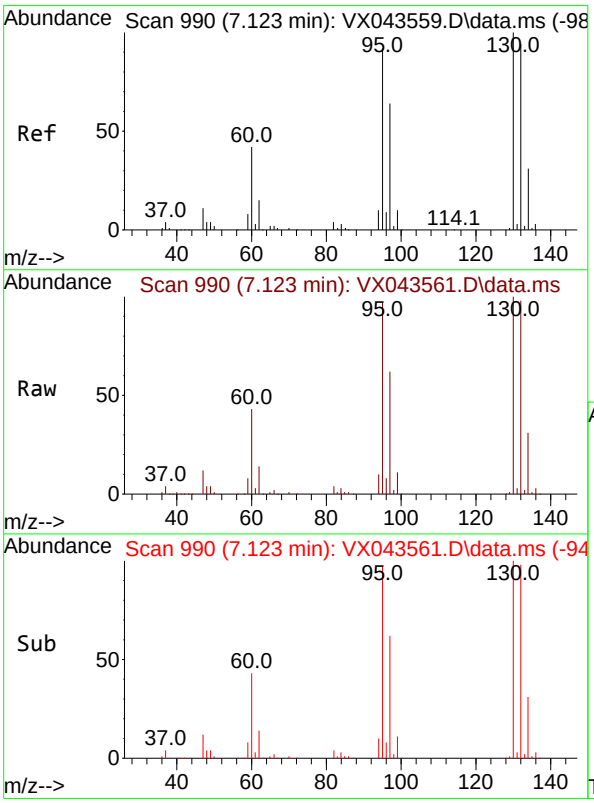
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.2	24.4
87	14.2	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

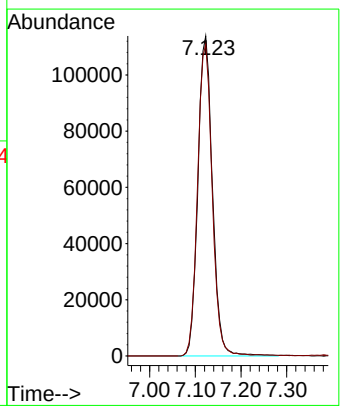
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

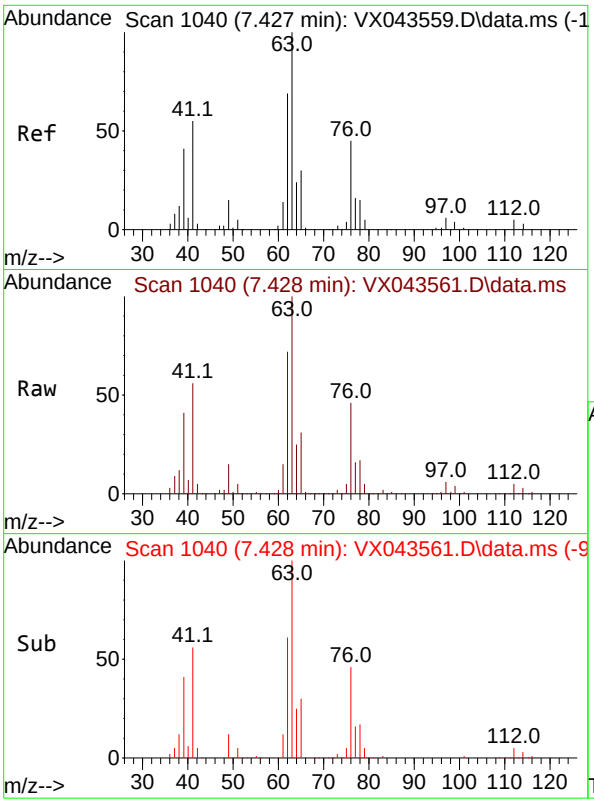


#44
Trichloroethene
Concen: 152.200 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:130 Resp: 251726

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	202.6





#45
1,2-Dichloropropane
Concen: 149.267 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

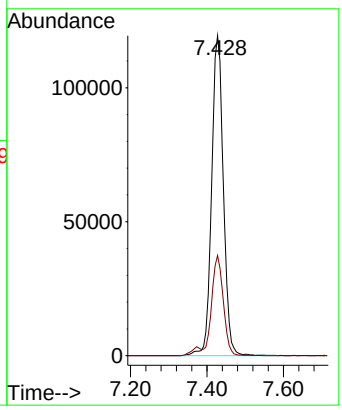
Tgt Ion: 63 Resp: 25428

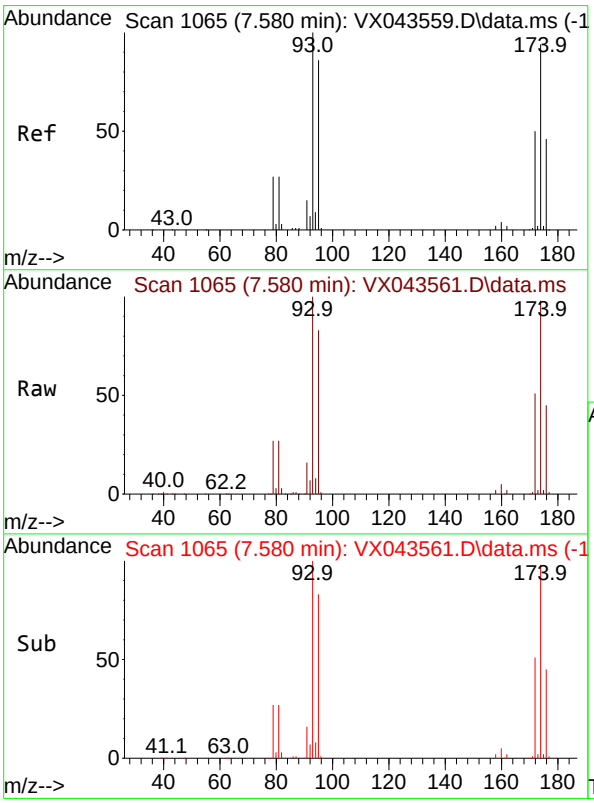
Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

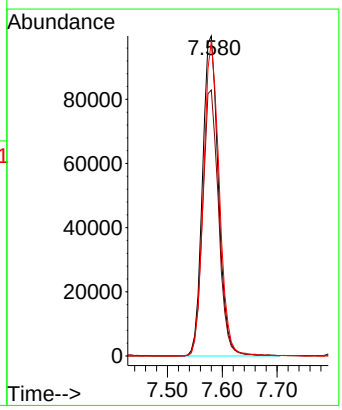


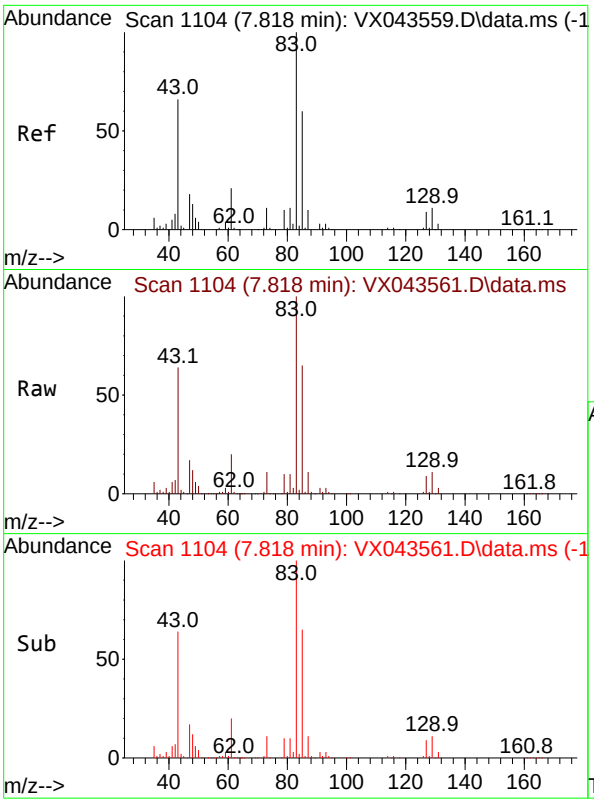


#46
Dibromomethane
Concen: 153.073 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 93 Resp: 200317

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.3	75.0	112.4

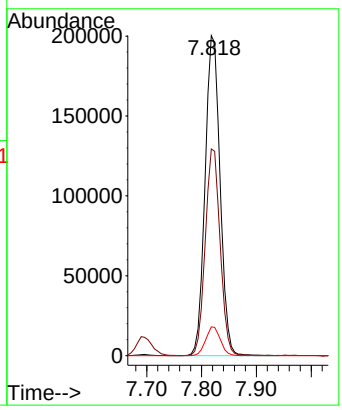




#47
Bromodichloromethane
Concen: 163.366 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 83 Resp: 37926

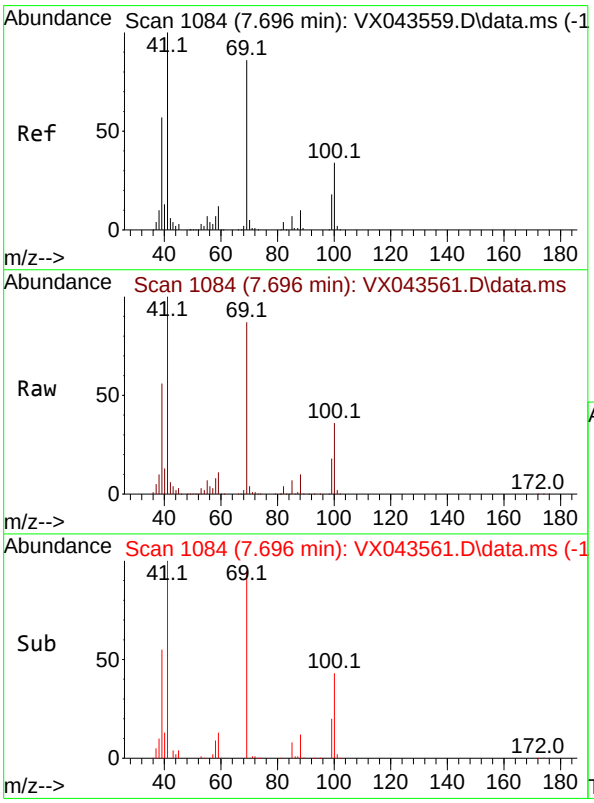
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	9.0	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

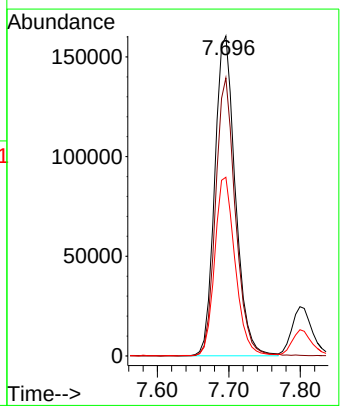
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

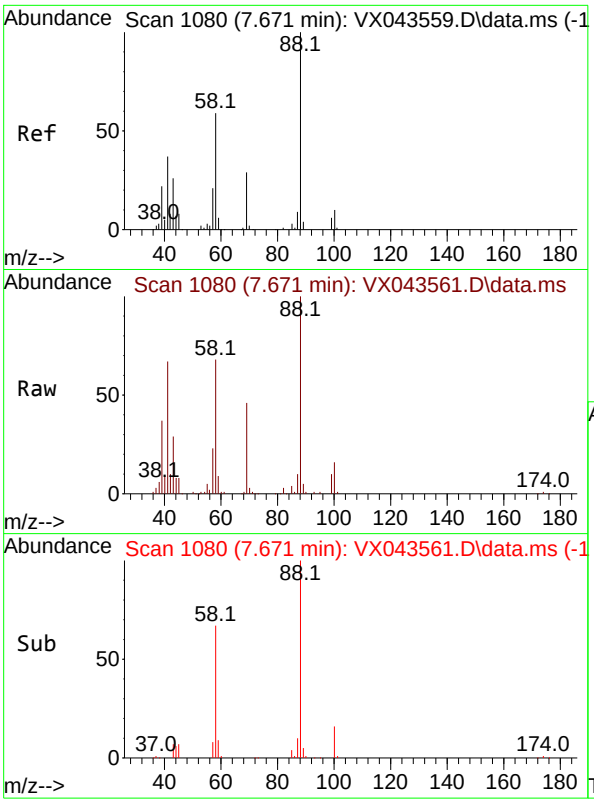


#48
Methyl methacrylate
Concen: 152.537 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 41 Resp: 320841

Ion	Ratio	Lower	Upper
41	100		
69	84.3	67.7	101.5
39	55.4	46.3	69.5





#49
1,4-Dioxane
Concen: 2091.122 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

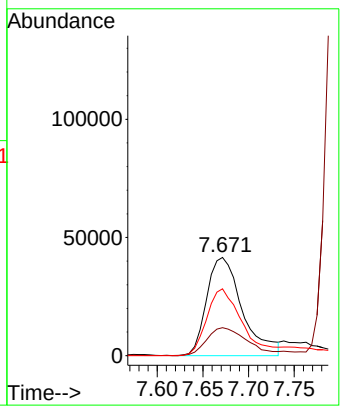
Tgt Ion: 88 Resp: 11300

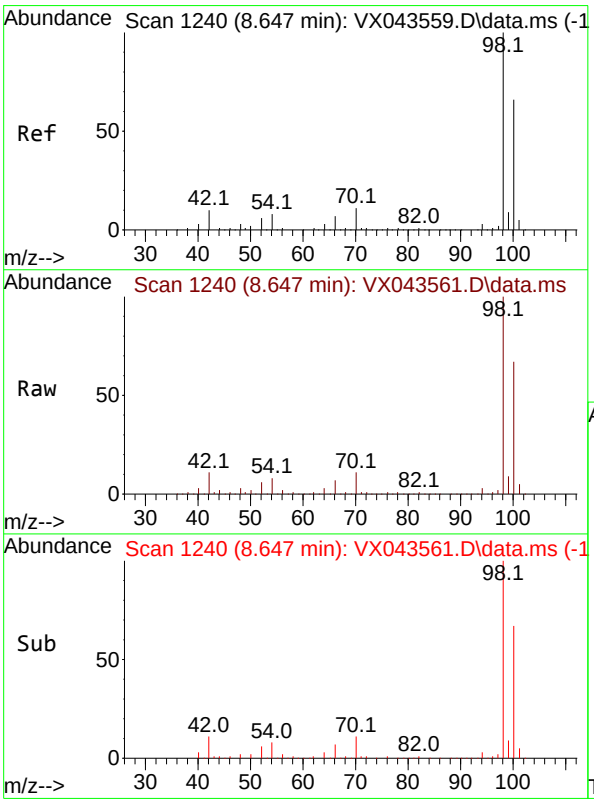
Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.3	37.9
58	67.3	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

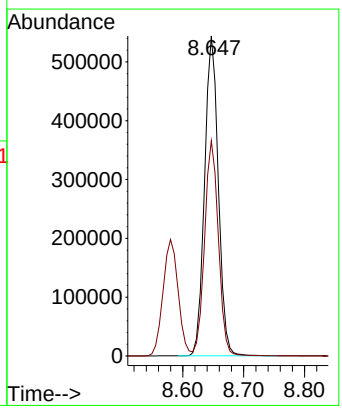


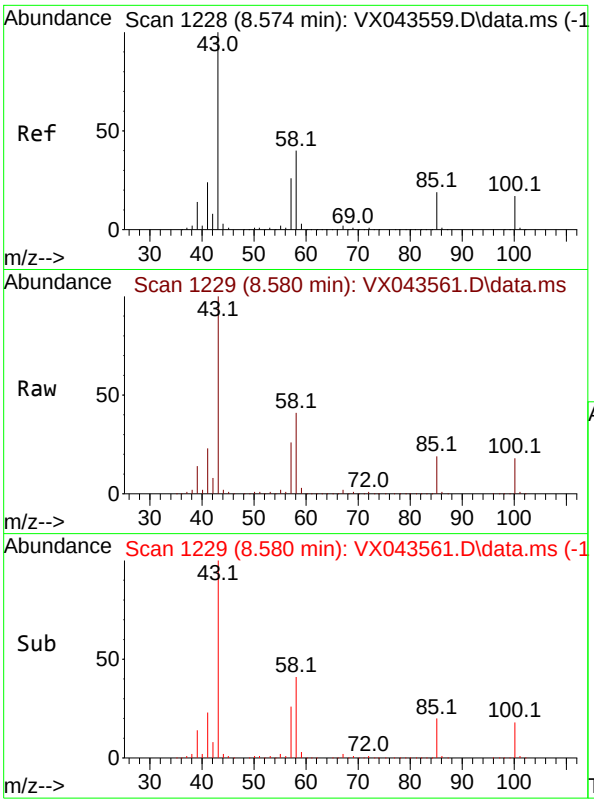


#50
Toluene-d8
Concen: 139.313 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 98 Resp: 851731

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.2

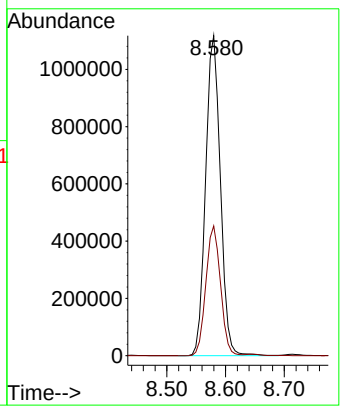




#51
4-Methyl-2-Pentanone
Concen: 682.697 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 194887

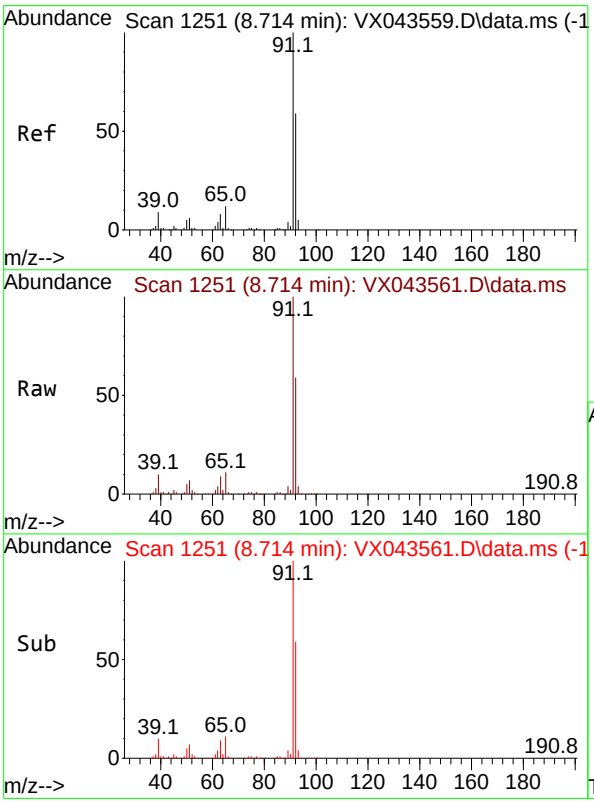
Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

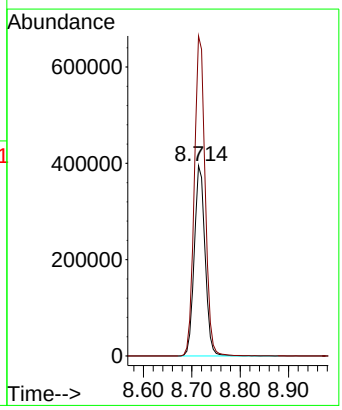
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

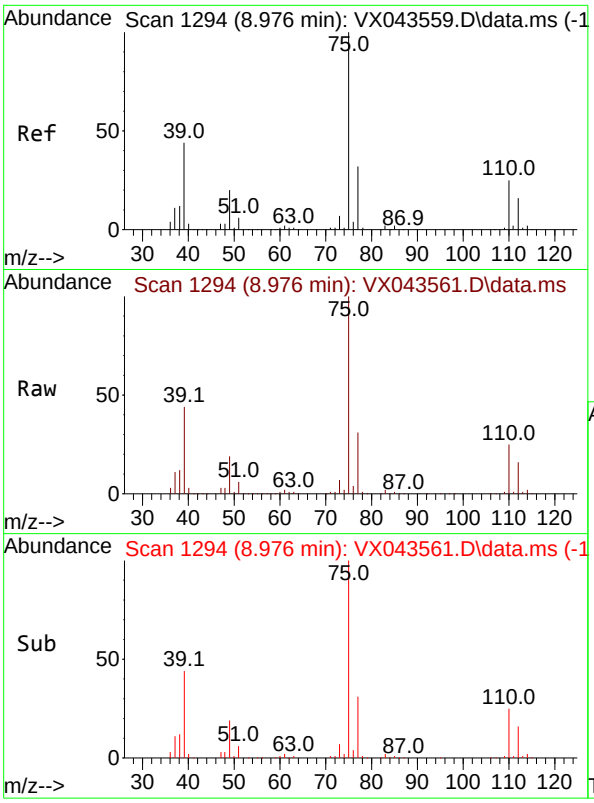


#52
Toluene
Concen: 142.120 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 92 Resp: 611241

Ion	Ratio	Lower	Upper
92	100		
91	168.5	135.7	203.5

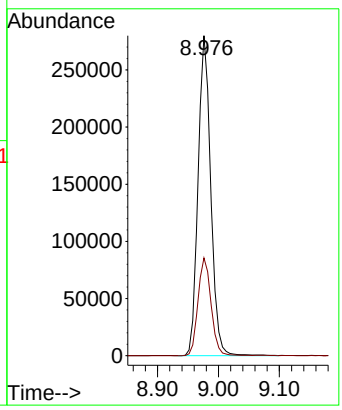




#53
t-1,3-Dichloropropene
Concen: 172.509 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 40529

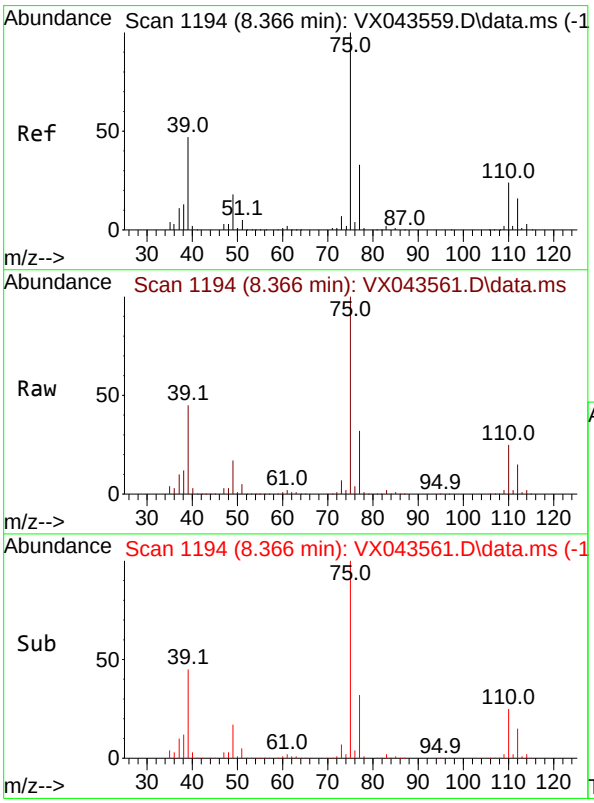
Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

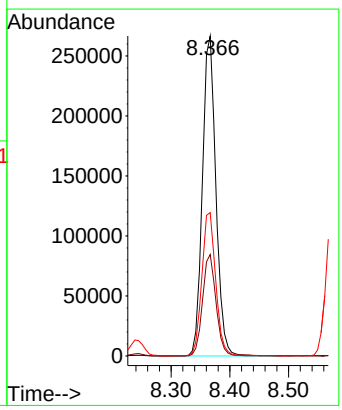
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

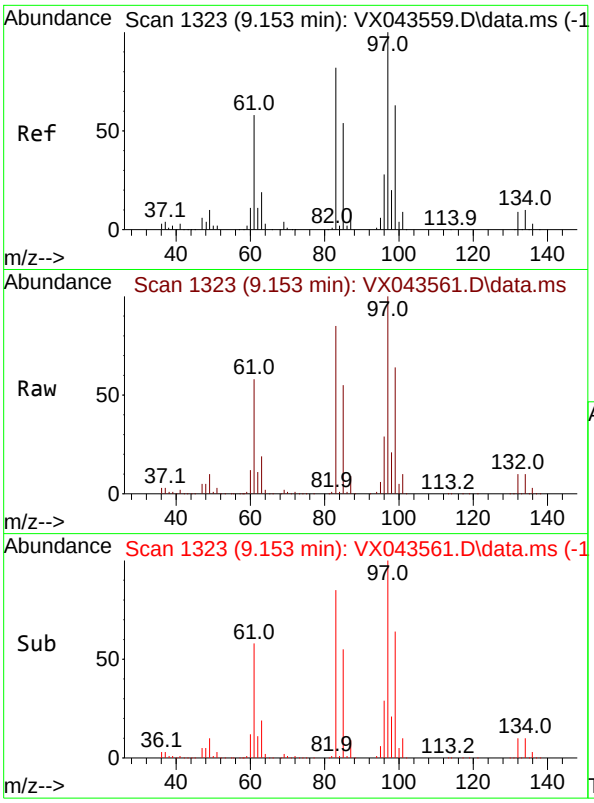


#54
cis-1,3-Dichloropropene
Concen: 165.131 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 426054

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	44.7	37.7	56.5

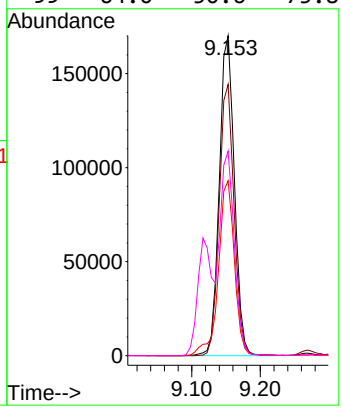




#55
1,1,2-Trichloroethane
Concen: 143.100 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 97 Resp: 25972

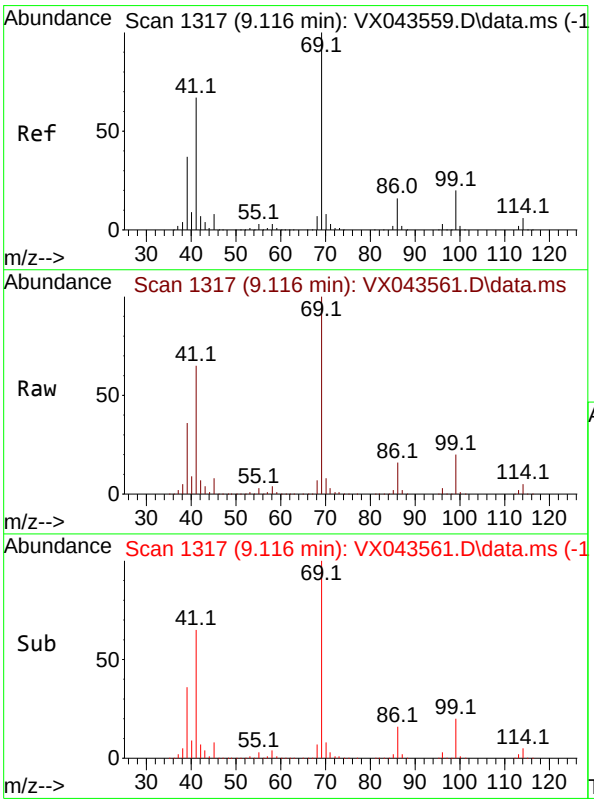
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.3	100.9
85	54.7	43.6	65.4
99	64.0	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

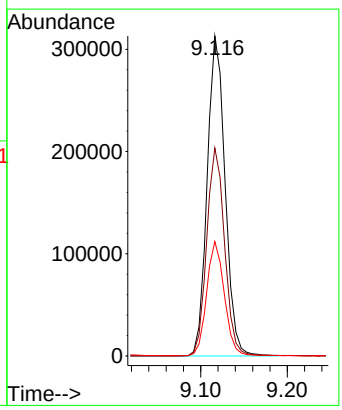
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

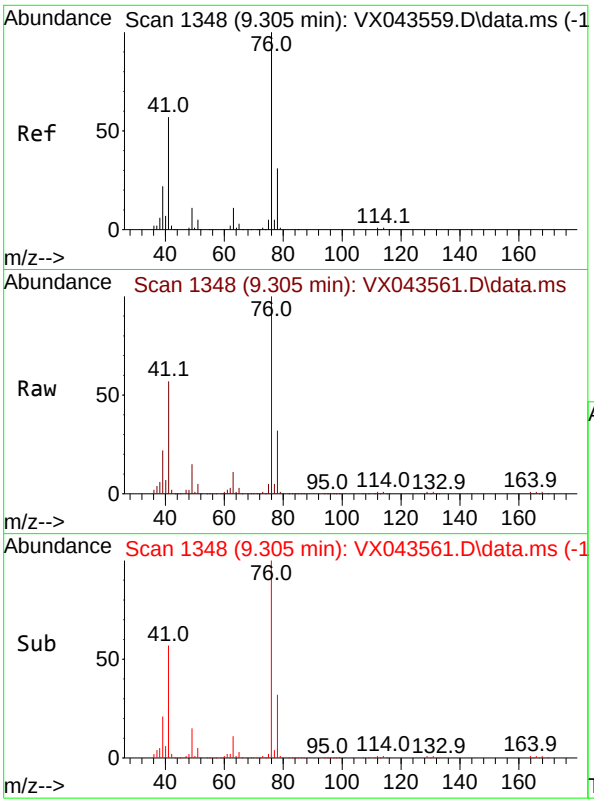


#56
Ethyl methacrylate
Concen: 153.315 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 69 Resp: 449693

Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.8	80.8
39	35.4	29.9	44.9

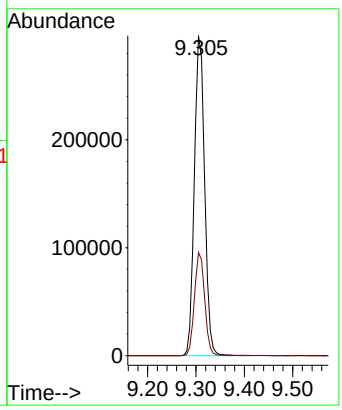




#57
1,3-Dichloropropane
Concen: 146.096 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 76 Resp: 43781

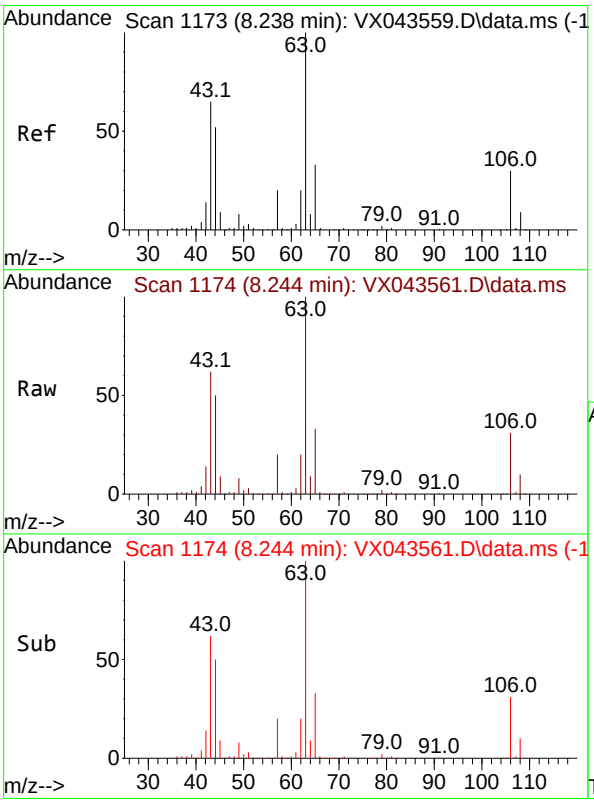
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

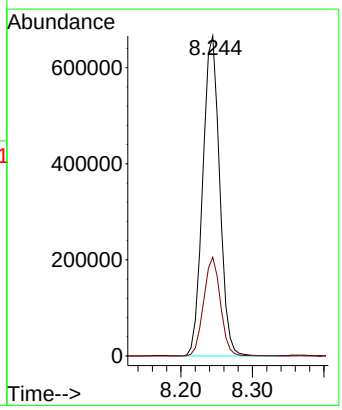
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

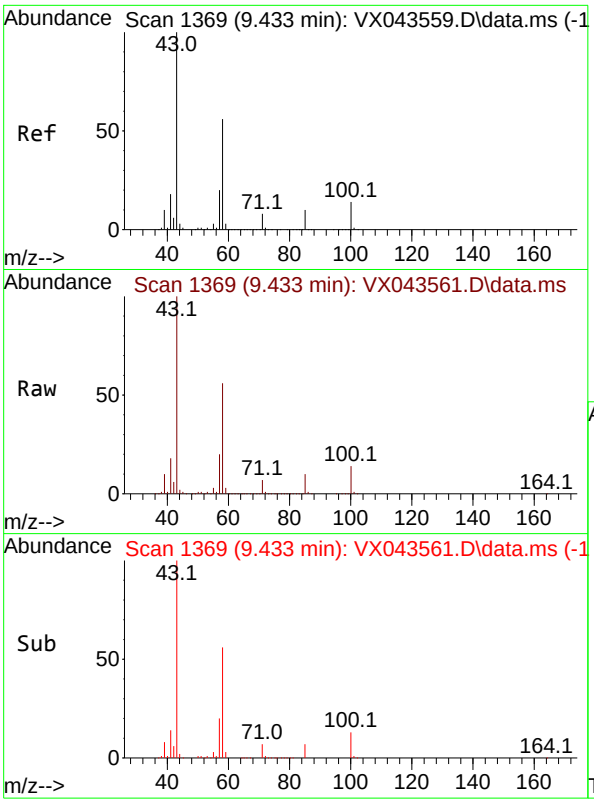


#58
2-Chloroethyl Vinyl ether
Concen: 756.448 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 63 Resp: 1091414

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4





#59
2-Hexanone
Concen: 677.655 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

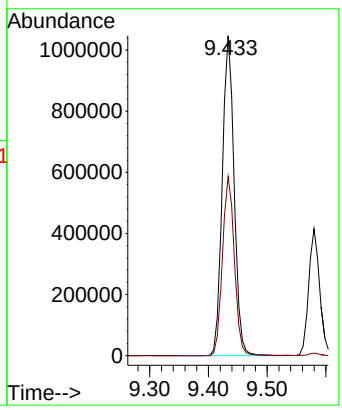
Tgt Ion: 43 Resp: 146273

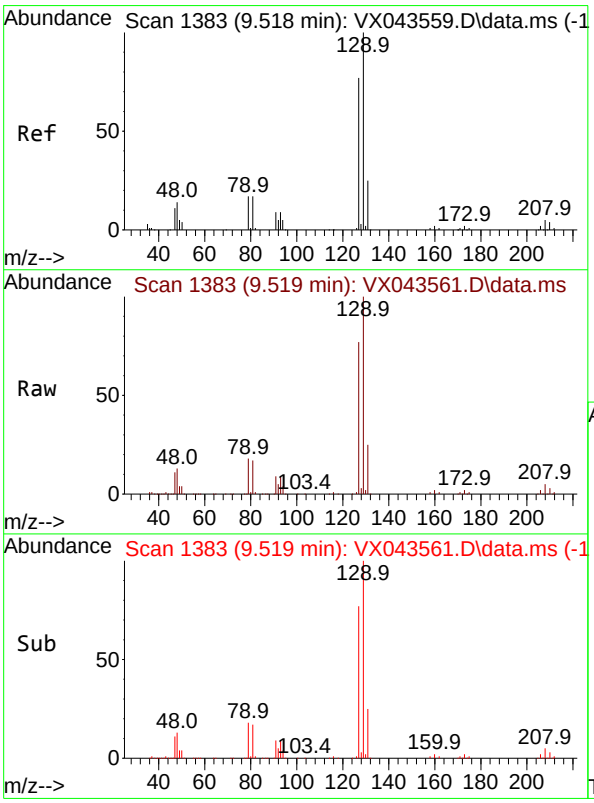
Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

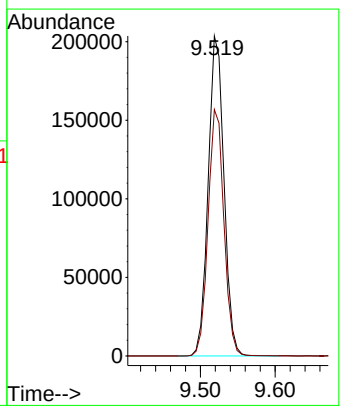


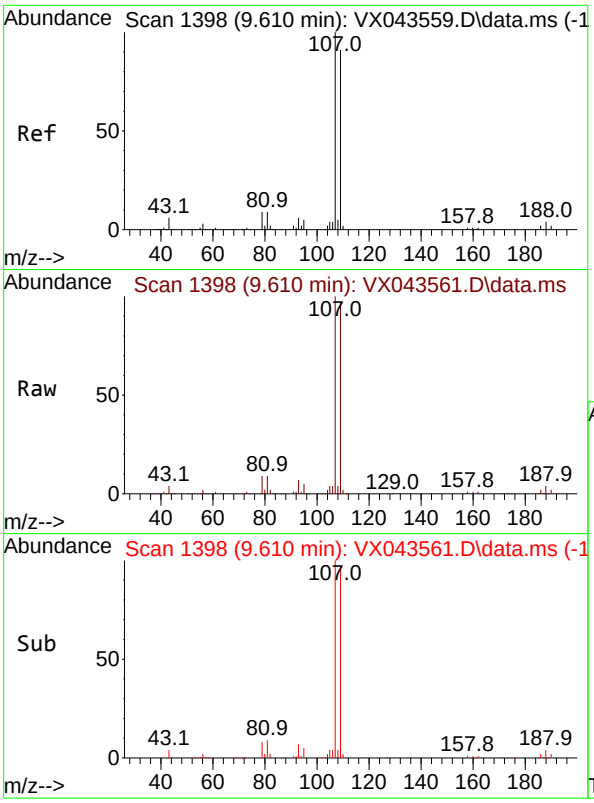


#60
Dibromochloromethane
Concen: 176.144 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:129 Resp: 299138

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.4	115.1

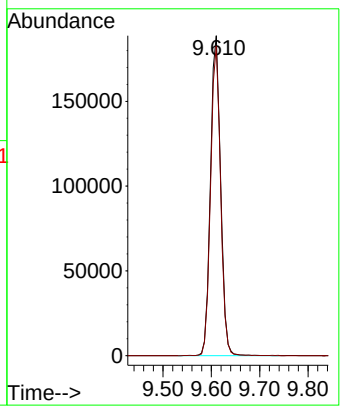




#61
1,2-Dibromoethane
Concen: 150.355 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:107 Resp: 27509

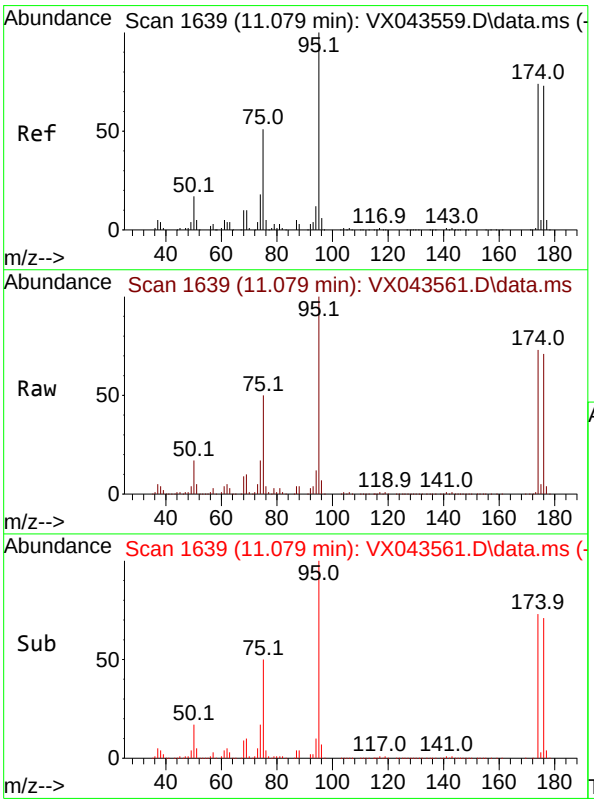
Ion	Ratio	Lower	Upper
107	100		
109	95.5	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

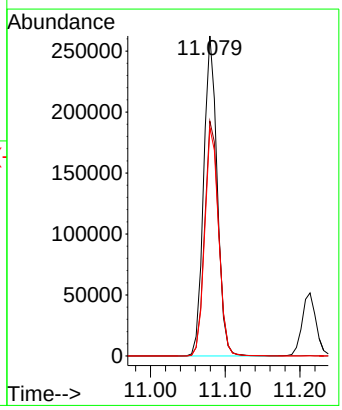
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

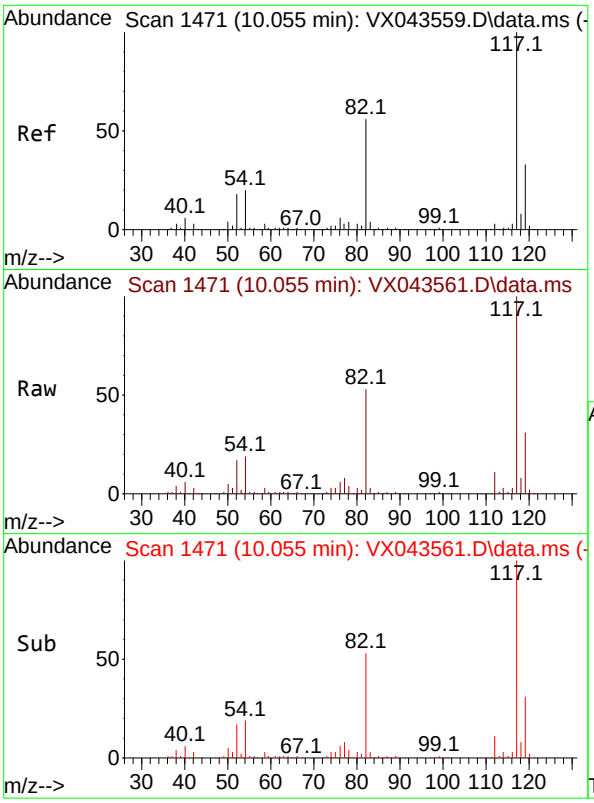


#62
4-Bromofluorobenzene
Concen: 147.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 95 Resp: 329323

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	146.6
176	73.1	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

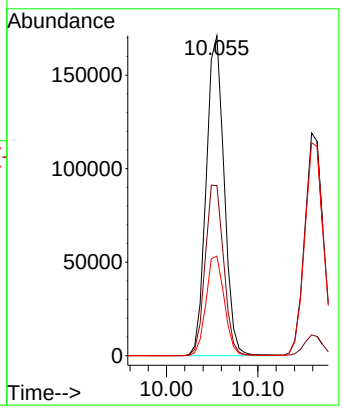
Tgt Ion:117 Resp: 23277

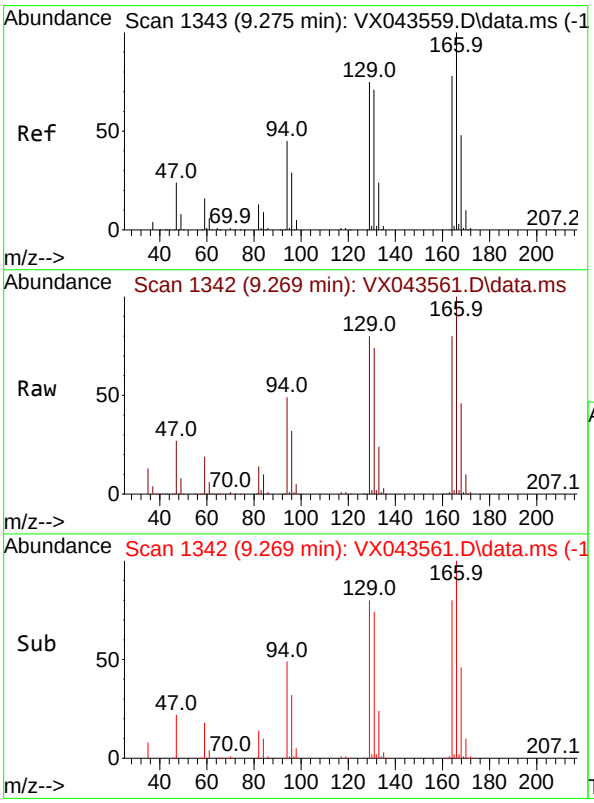
Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	31.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

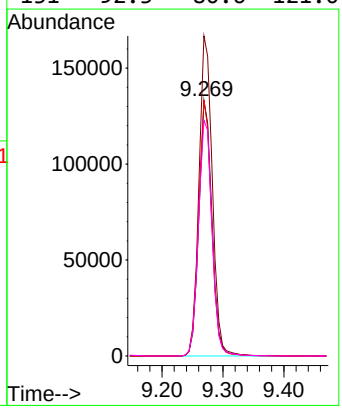


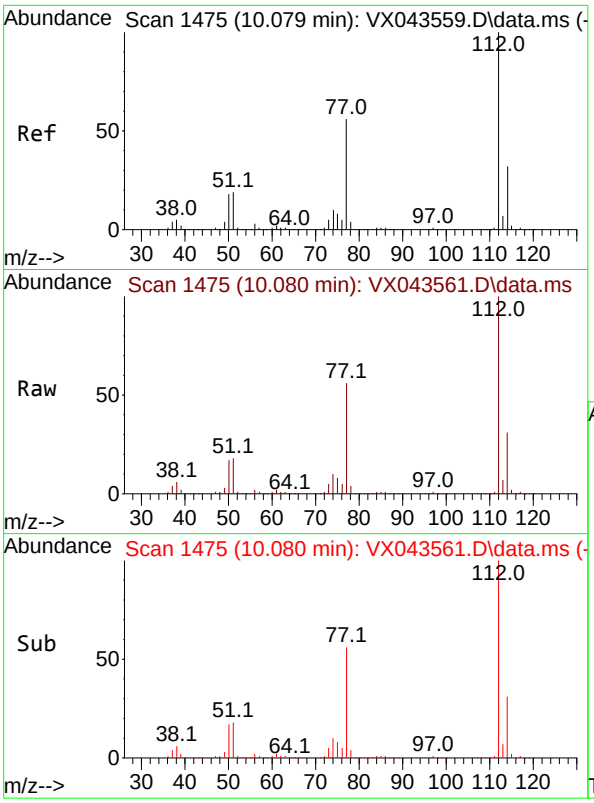


#64
Tetrachloroethene
Concen: 136.289 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:164 Resp: 198596

Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.8	155.6
129	100.2	83.8	125.6
131	92.3	80.6	121.0





#65
Chlorobenzene
Concen: 145.269 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

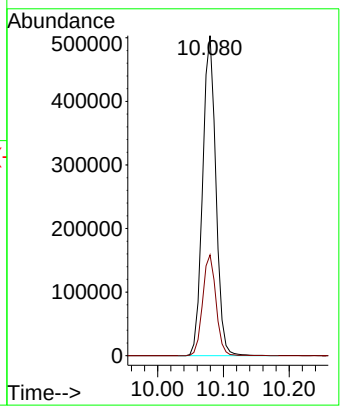
Tgt Ion:112 Resp: 70345

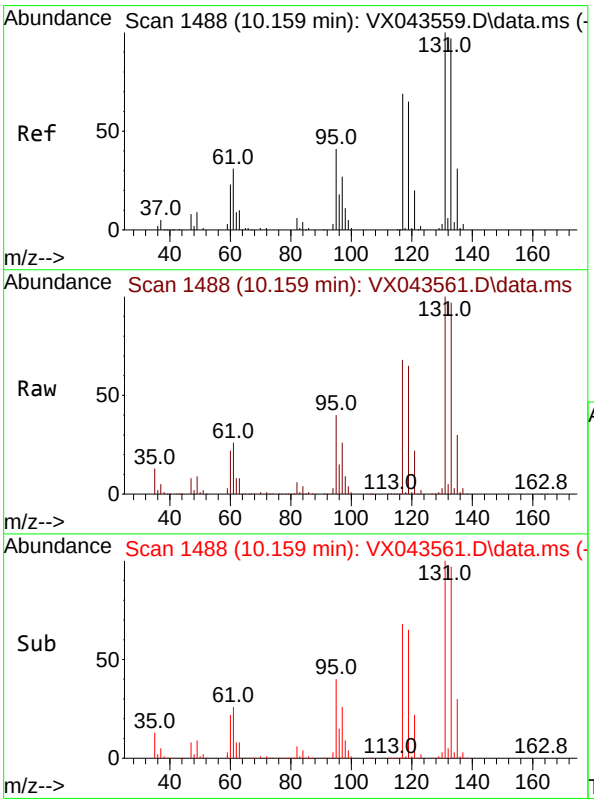
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

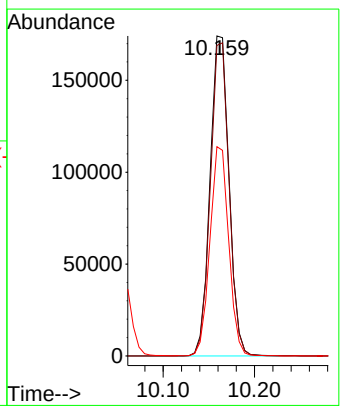


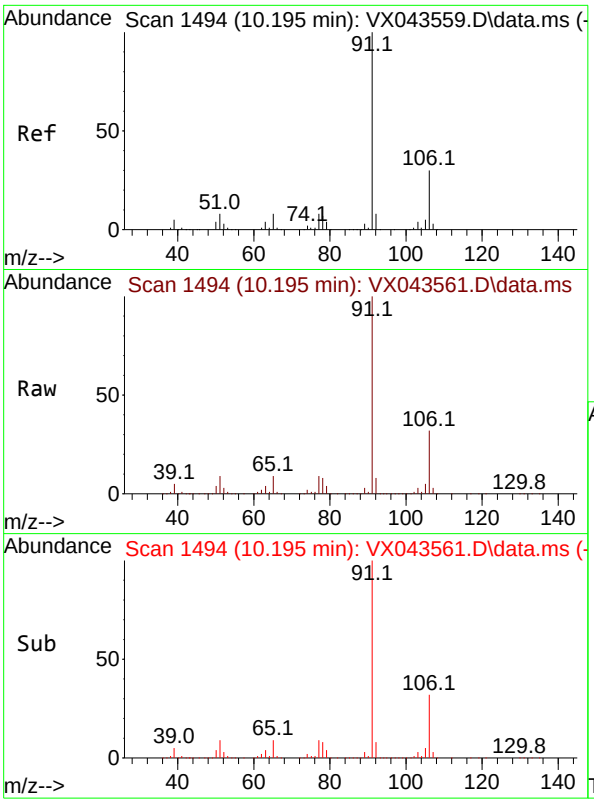


#66
1,1,1,2-Tetrachloroethane
Concen: 153.341 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:131 Resp: 250797

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	64.8	32.3	96.9

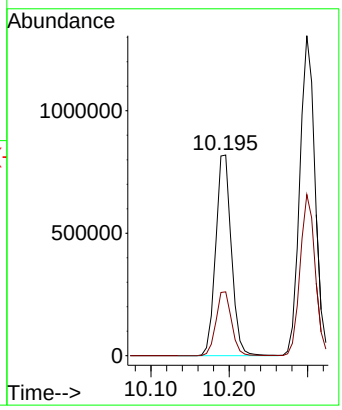




#67
Ethyl Benzene
Concen: 141.675 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 114125

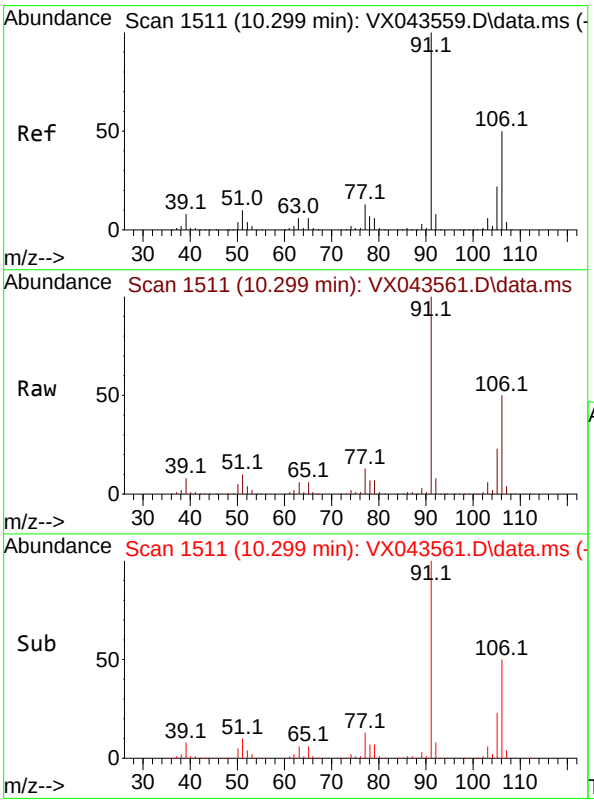
Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

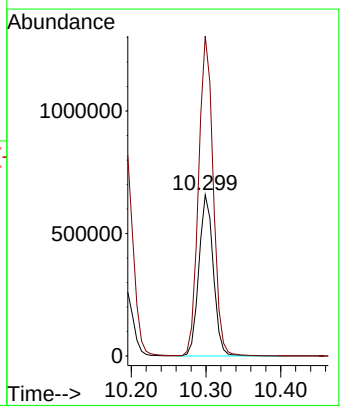
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

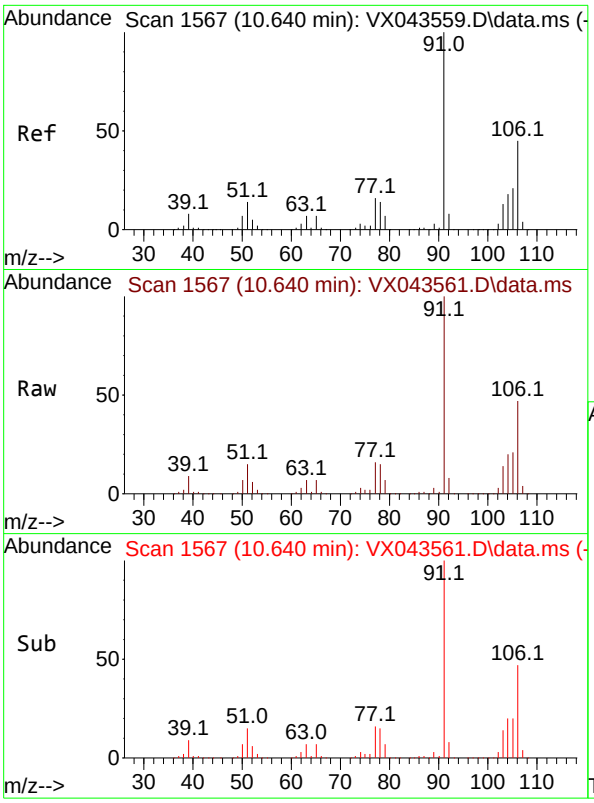


#68
m/p-Xylenes
Concen: 287.969 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:106 Resp: 878867

Ion	Ratio	Lower	Upper
106	100		
91	201.6	164.7	247.1

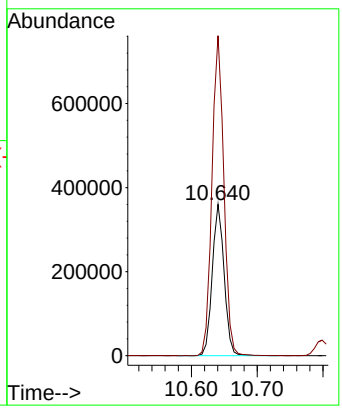




#69
o-Xylene
Concen: 143.559 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:106 Resp: 45038

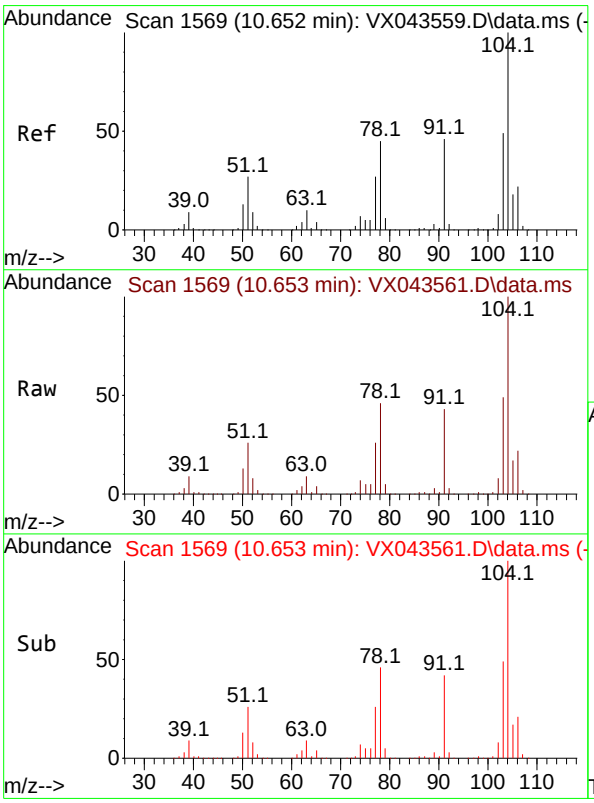
Ion	Ratio	Lower	Upper
106	100		
91	212.3	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

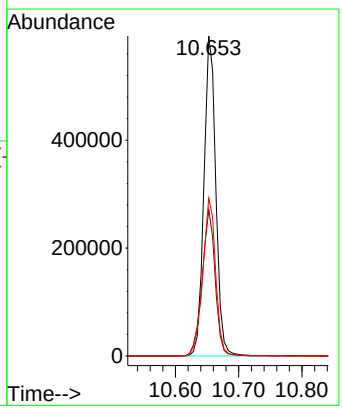
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

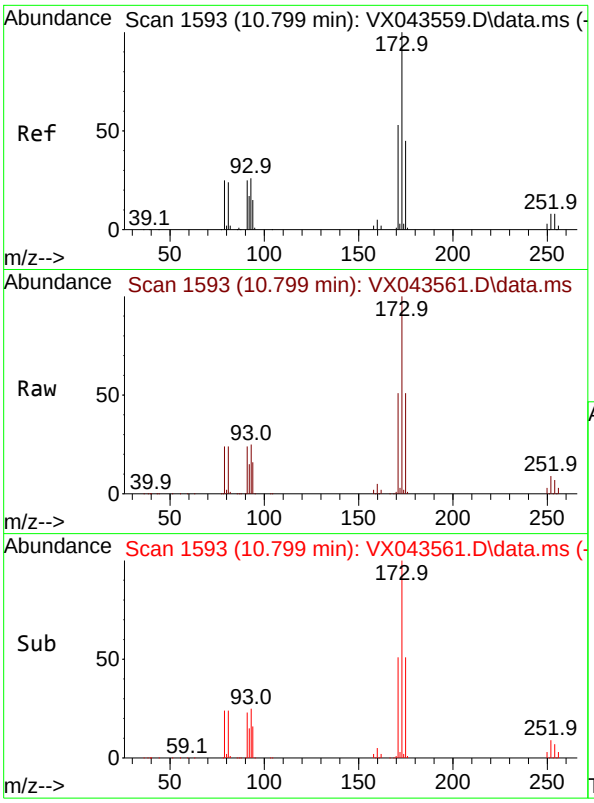


#70
Styrene
Concen: 153.173 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:104 Resp: 777762

Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.0	60.0
103	53.6	43.4	65.0

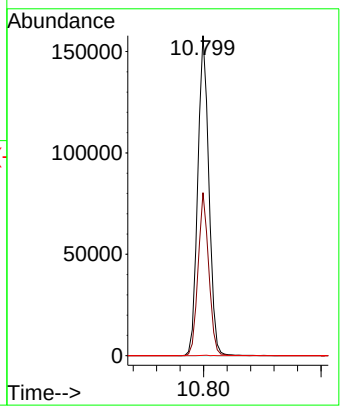




#71
Bromoform
Concen: 188.187 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:173 Resp: 20749

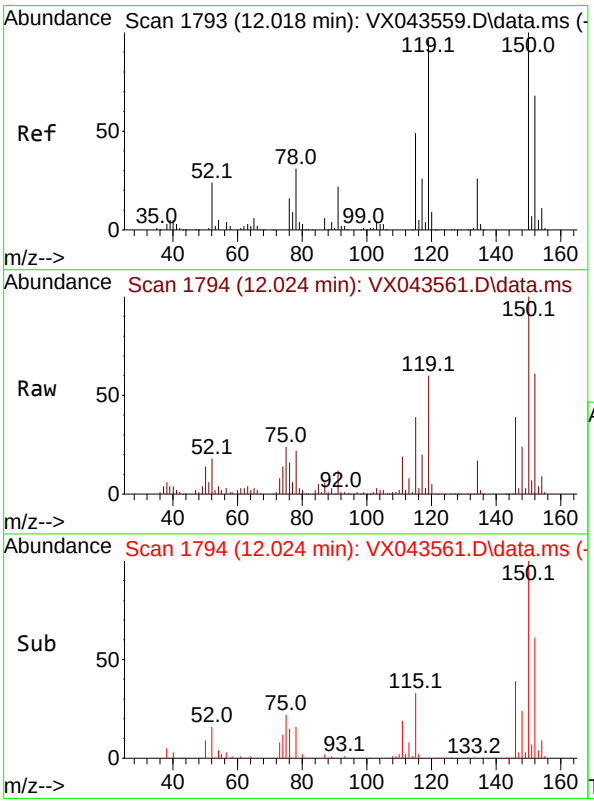
Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.3	69.9
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

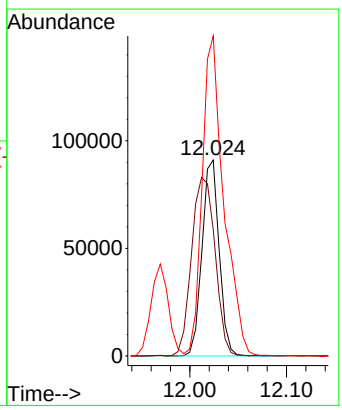
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

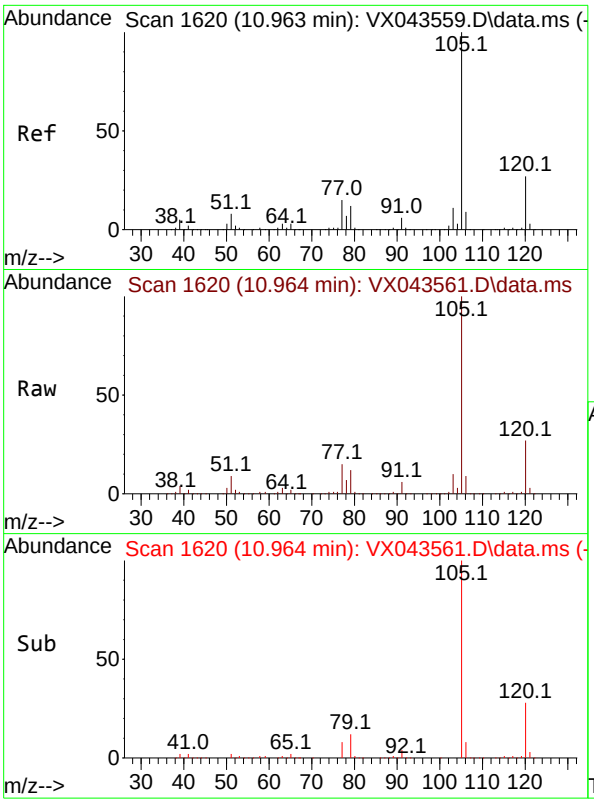


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:152 Resp: 112300

Ion	Ratio	Lower	Upper
152	100		
115	125.0	42.9	128.7
150	205.6	0.0	343.6

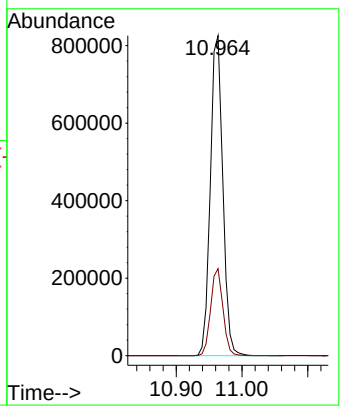




#73
Isopropylbenzene
Concen: 135.577 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:105 Resp: 108827

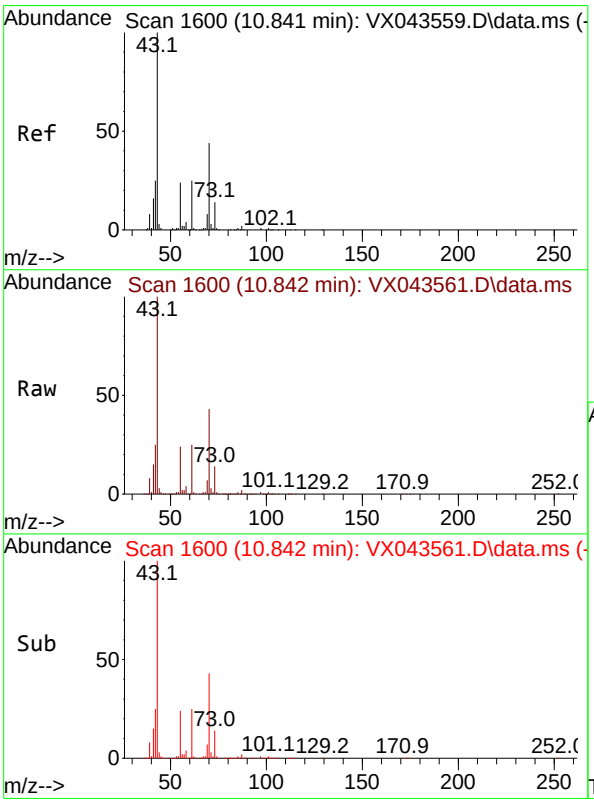
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

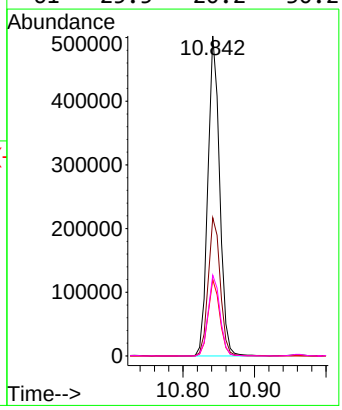
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

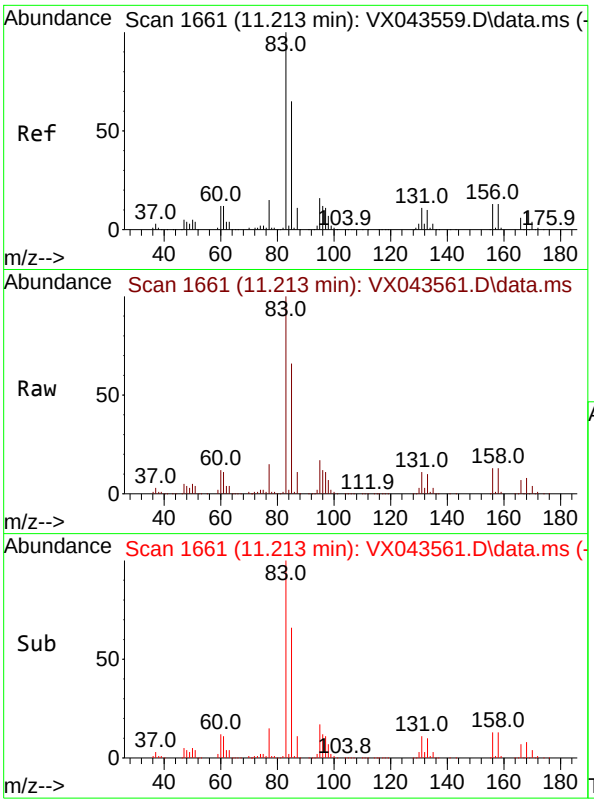


#74
N-amyl acetate
Concen: 142.309 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 575386

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	52.0
55	23.7	19.6	29.4
61	25.5	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 130.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

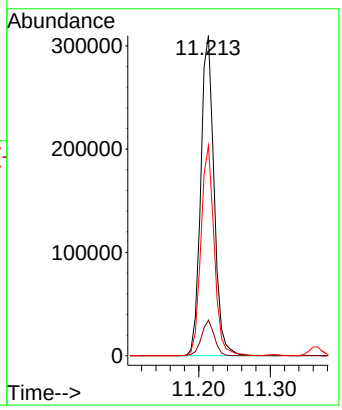
Tgt Ion: 83 Resp: 40201

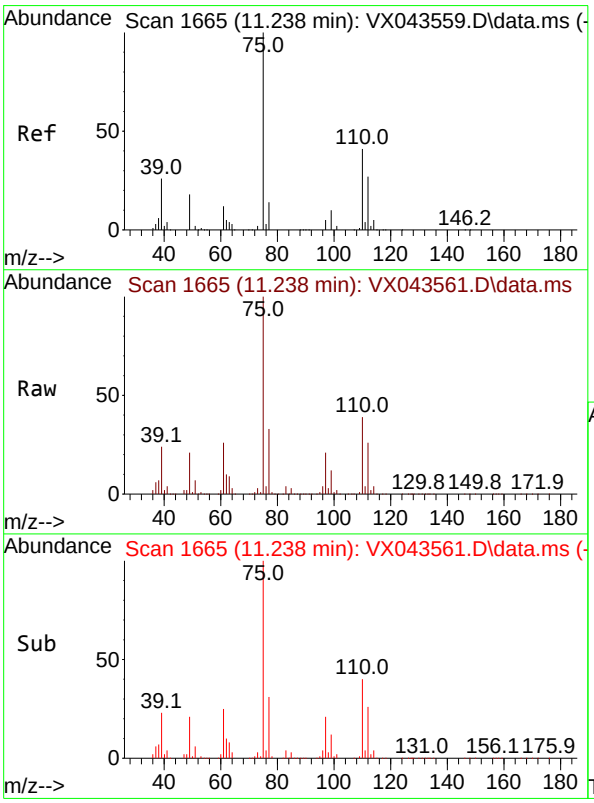
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	15.9
85	65.4	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

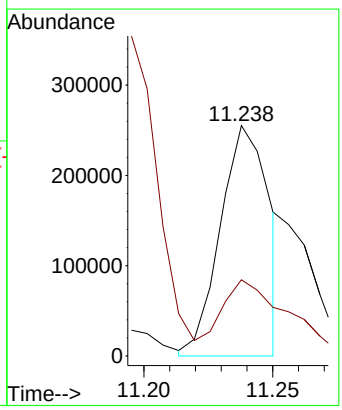


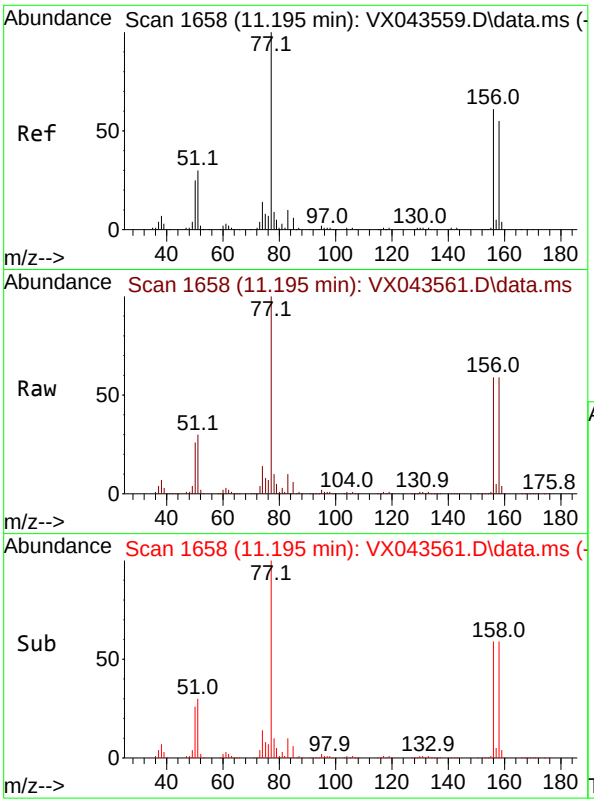


#76
1,2,3-Trichloropropane
Concen: 128.467 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 335384

Ion	Ratio	Lower	Upper
75	100		
77	45.8	22.4	67.2





#77
Bromobenzene
Concen: 139.269 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

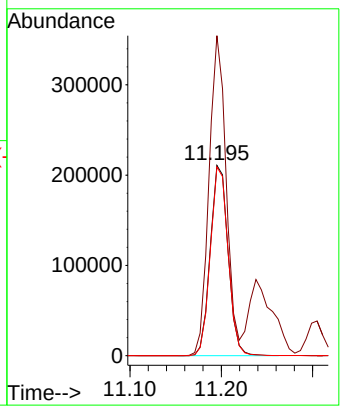
Tgt Ion:156 Resp: 28538

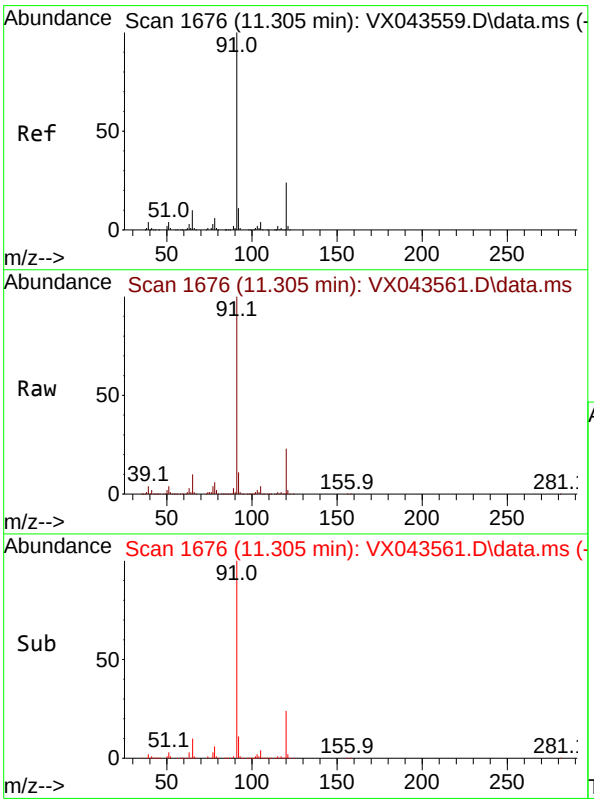
Ion	Ratio	Lower	Upper
156	100		
77	161.2	79.7	239.1
158	98.7	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

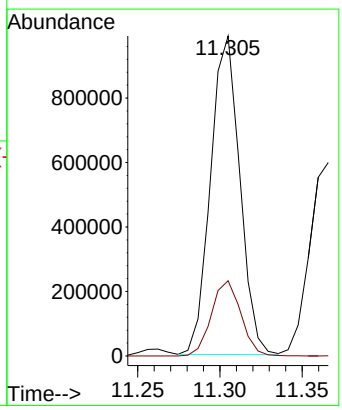


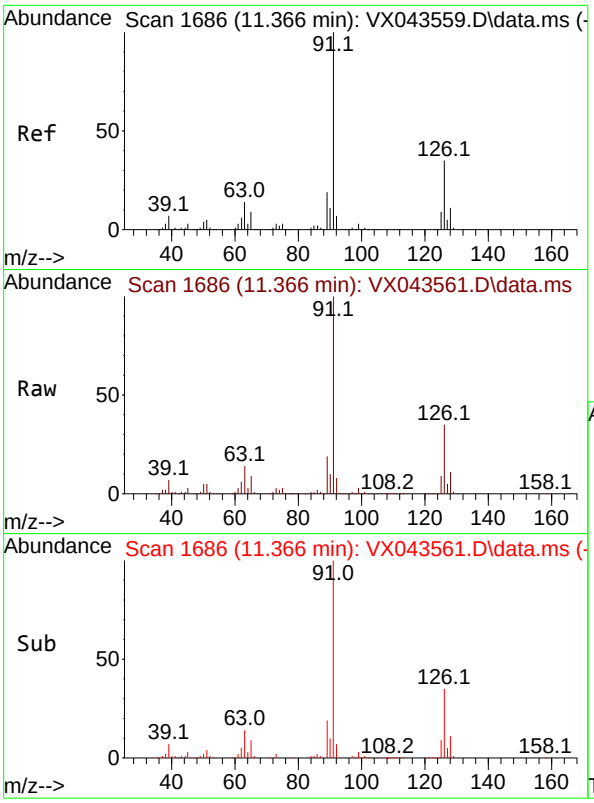


#78
n-propylbenzene
Concen: 143.160 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 1224689

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7





#79
2-Chlorotoluene
Concen: 134.748 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

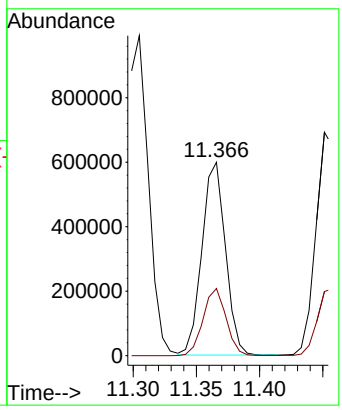
Tgt Ion: 91 Resp: 77345

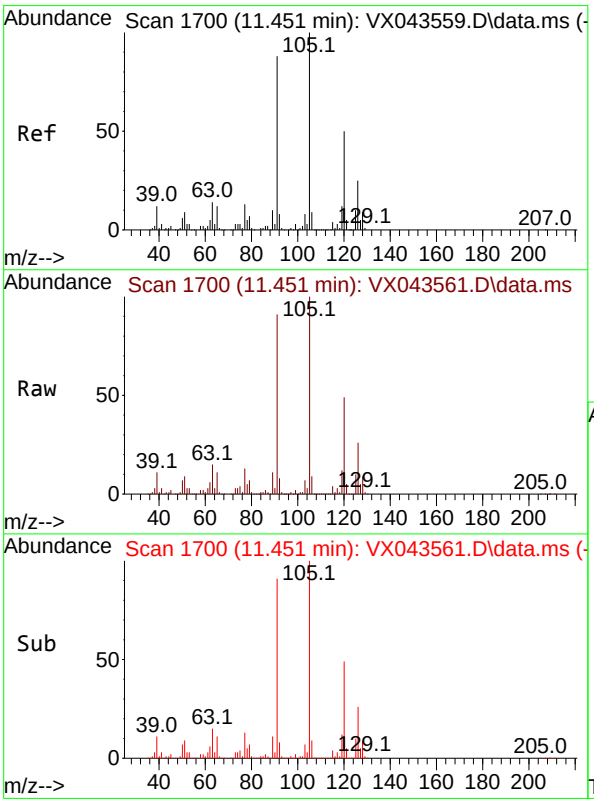
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

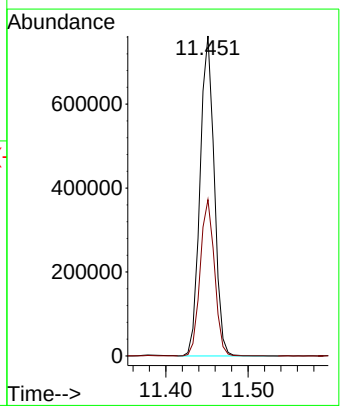


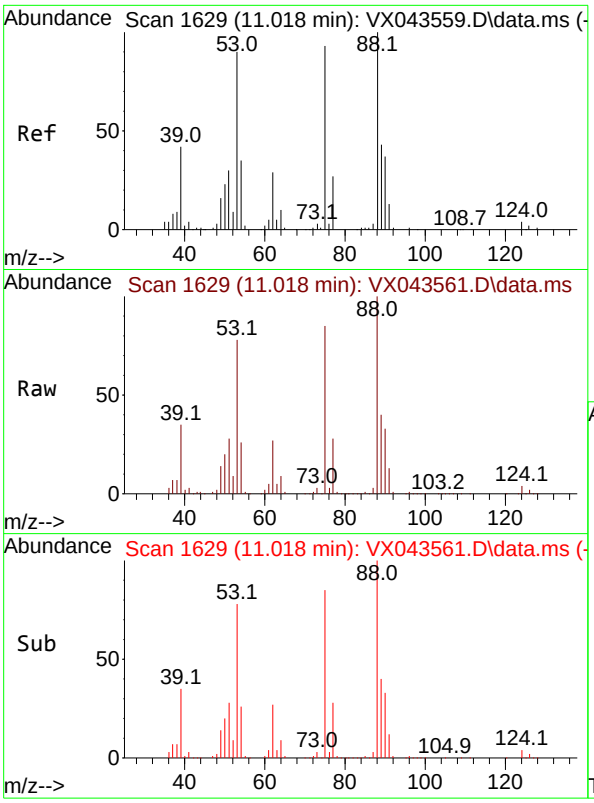


#80
1,3,5-Trimethylbenzene
Concen: 137.180 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:105 Resp: 914265

Ion	Ratio	Lower	Upper
105	100		
120	49.3	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 170.044 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

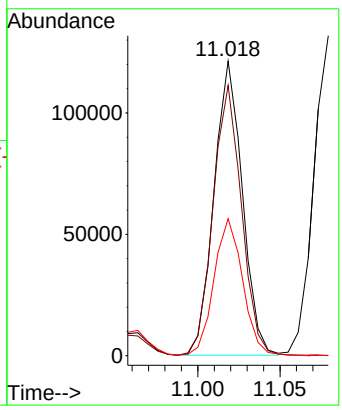
Tgt Ion: 75 Resp: 14548

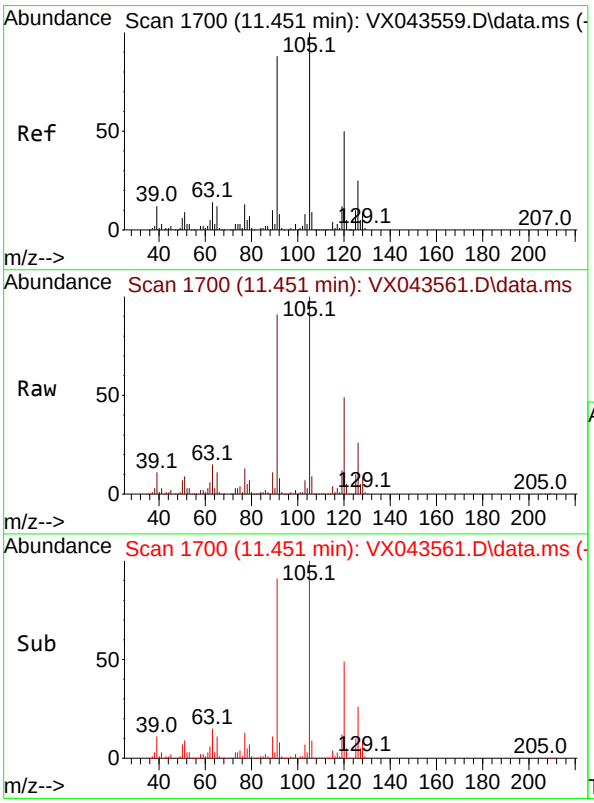
Ion	Ratio	Lower	Upper
75	100		
53	92.3	84.6	126.8
89	47.1	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

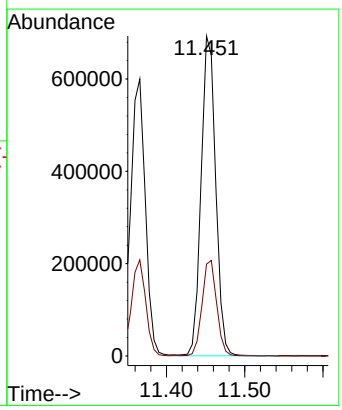


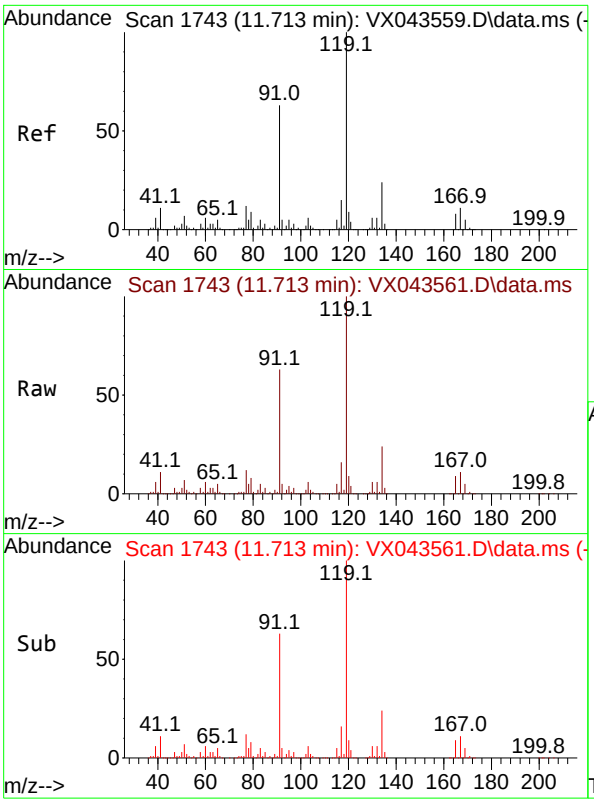


#82
4-Chlorotoluene
Concen: 140.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 893567

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.2	42.8

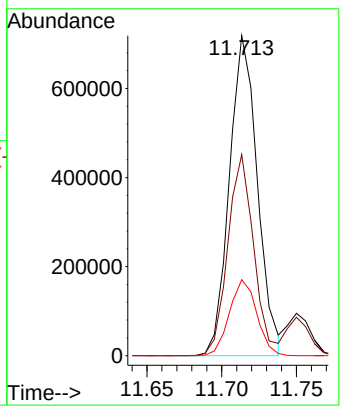




#83
tert-Butylbenzene
Concen: 137.660 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:119 Resp: 93562

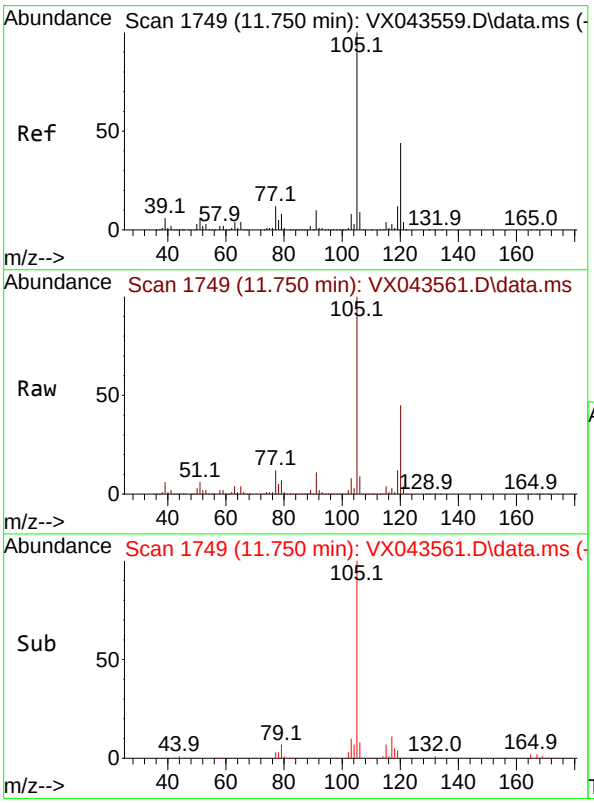
Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.5	88.5
134	23.3	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

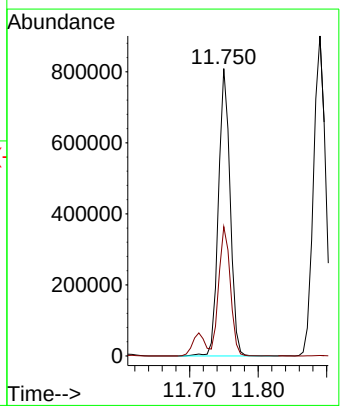
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

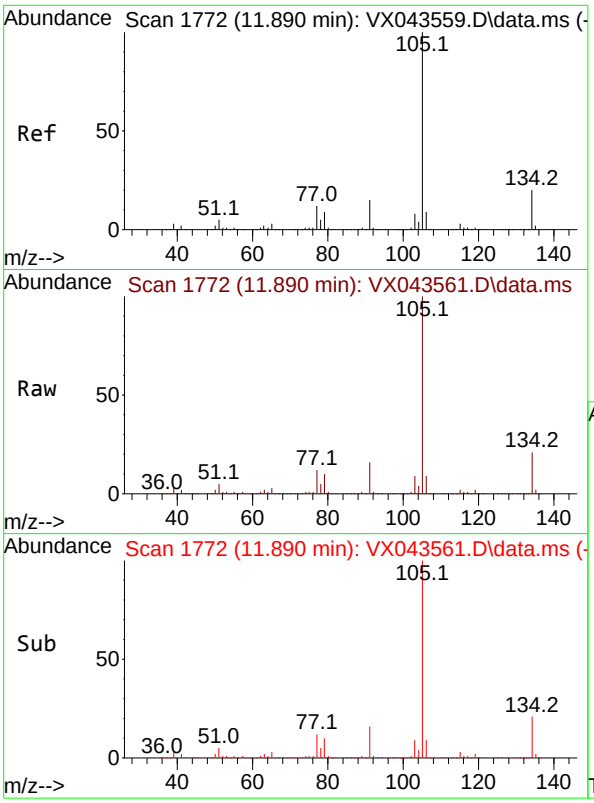


#84
1,2,4-Trimethylbenzene
Concen: 139.821 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:105 Resp: 953082

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

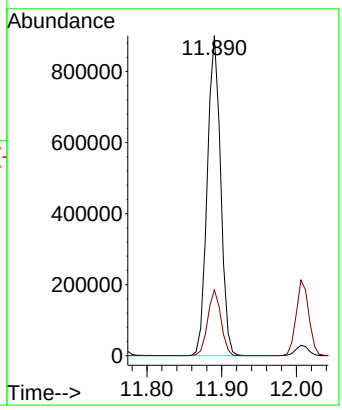




#85
sec-Butylbenzene
Concen: 141.391 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:105 Resp: 111298

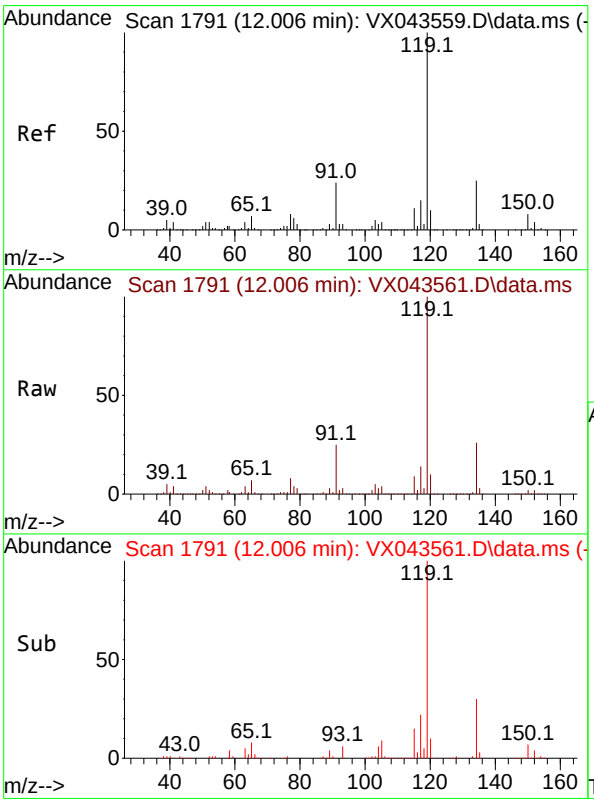
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

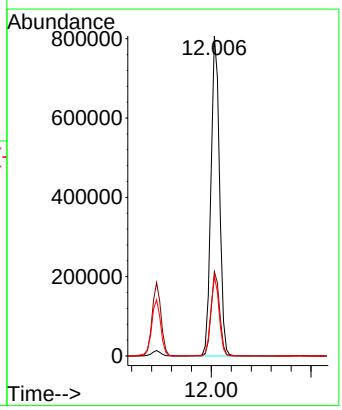
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

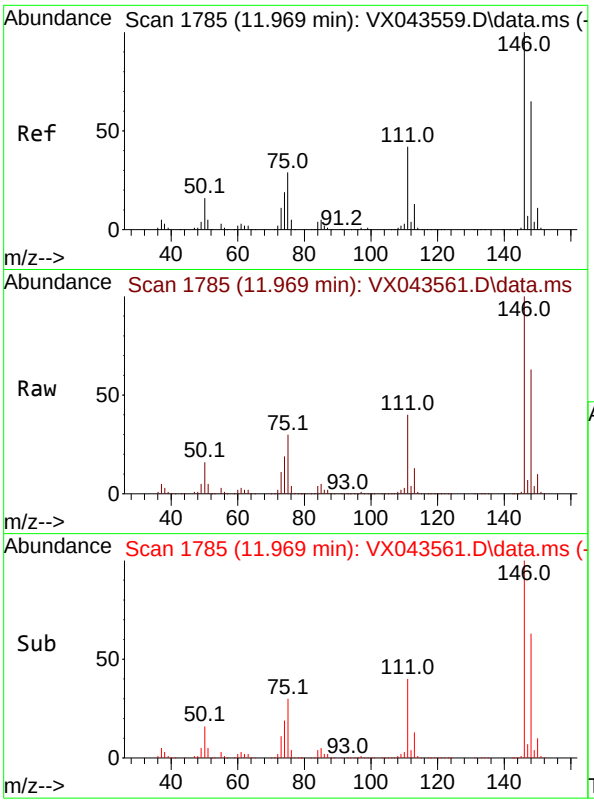


#86
p-Isopropyltoluene
Concen: 147.051 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:119 Resp: 958987

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.3	12.4	37.0

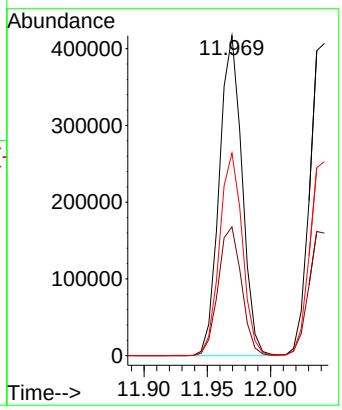




#87
1,3-Dichlorobenzene
Concen: 141.838 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:146 Resp: 52152

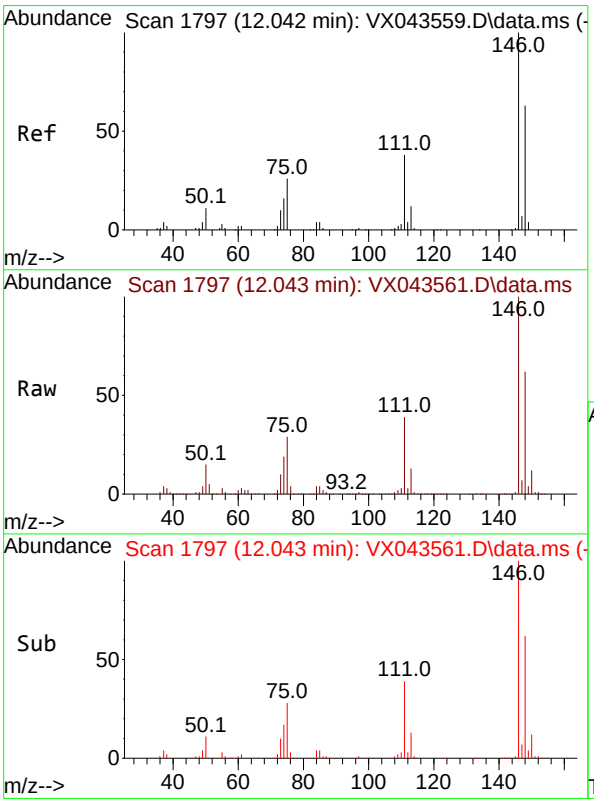
Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.4
148	63.5	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

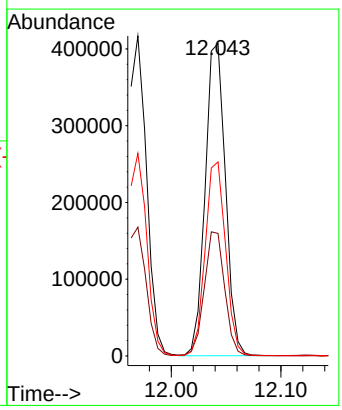
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

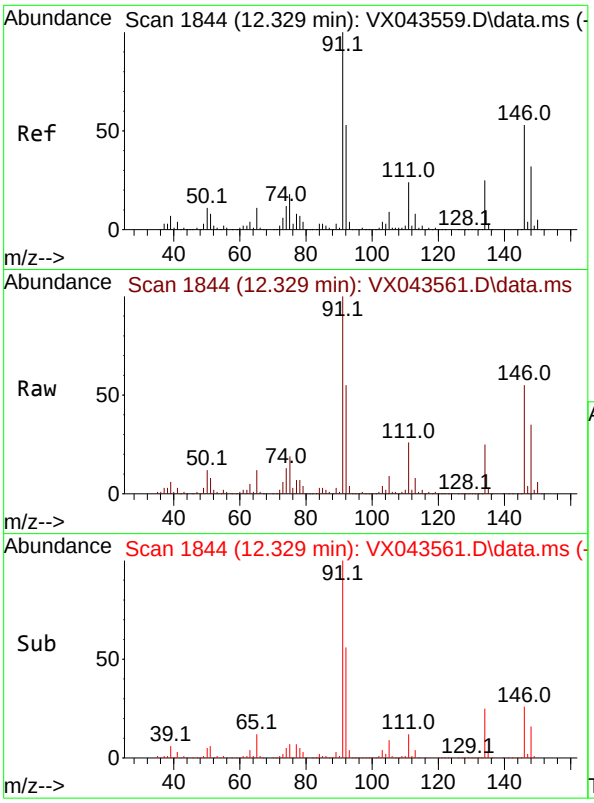


#88
1,4-Dichlorobenzene
Concen: 140.994 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:146 Resp: 522586

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	62.9	31.9	95.9





#89
n-Butylbenzene
Concen: 157.180 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

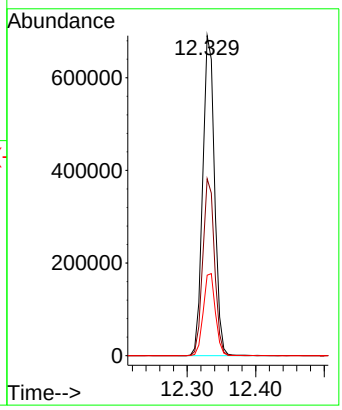
Tgt Ion: 91 Resp: 83099

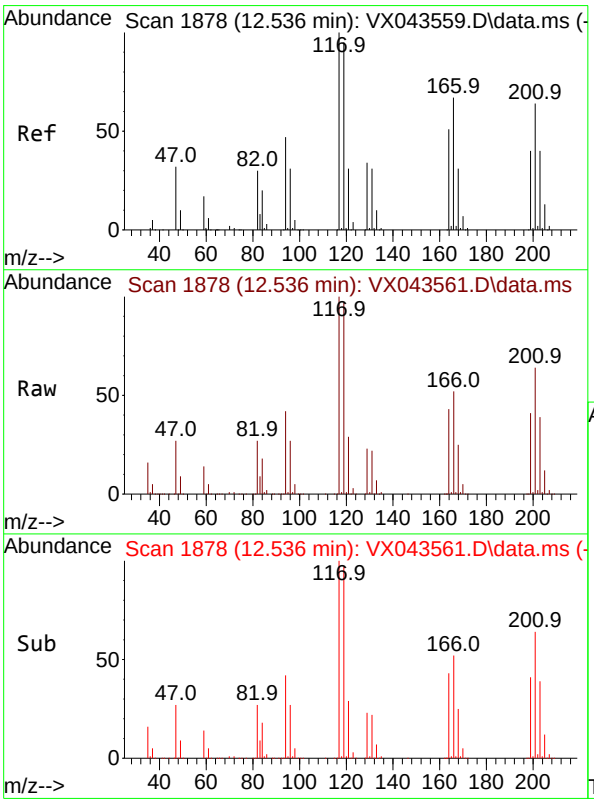
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.2
134	26.3	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

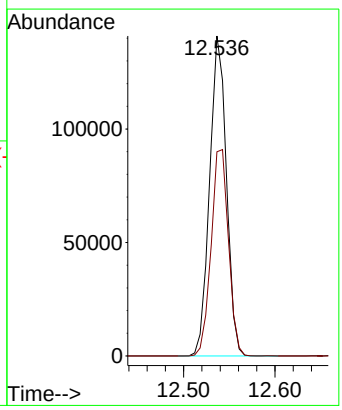


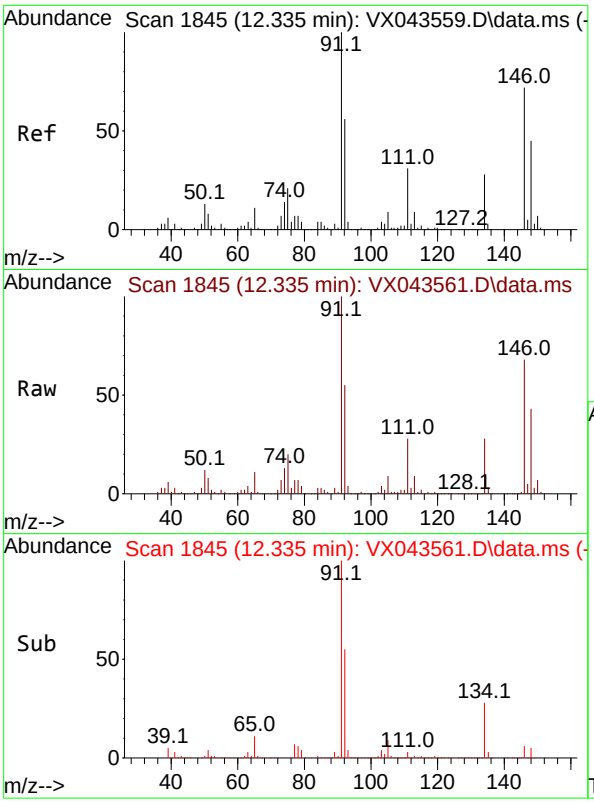


#90
Hexachloroethane
Concen: 170.120 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:117 Resp: 179474

Ion	Ratio	Lower	Upper
117	100		
201	66.9	32.9	98.7

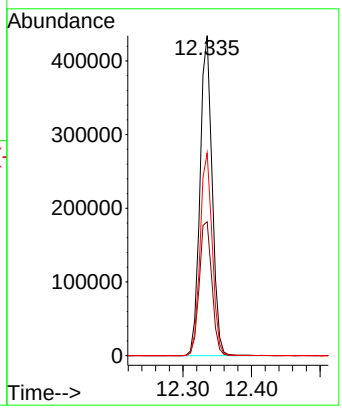




#91
1,2-Dichlorobenzene
Concen: 140.889 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:146 Resp: 53415

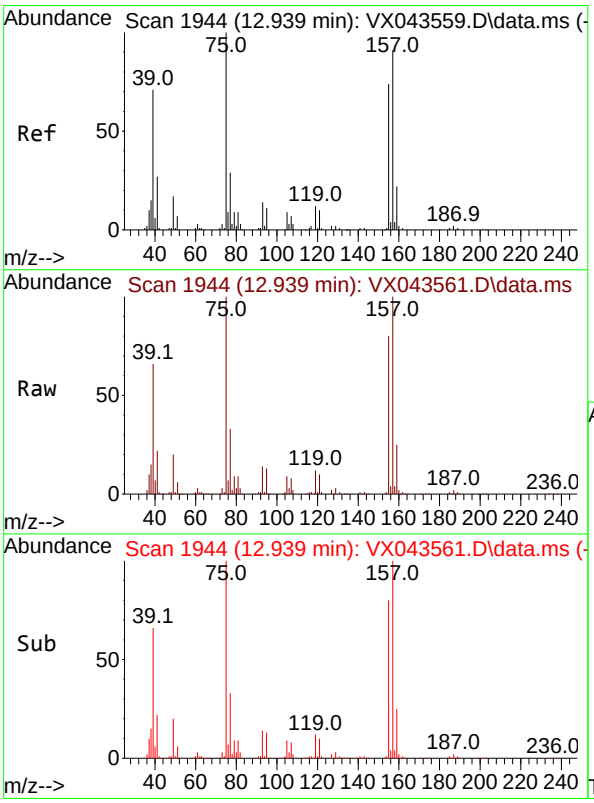
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	63.6	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

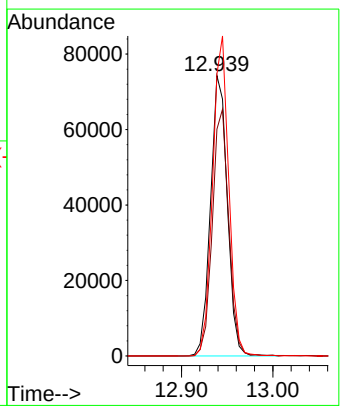
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

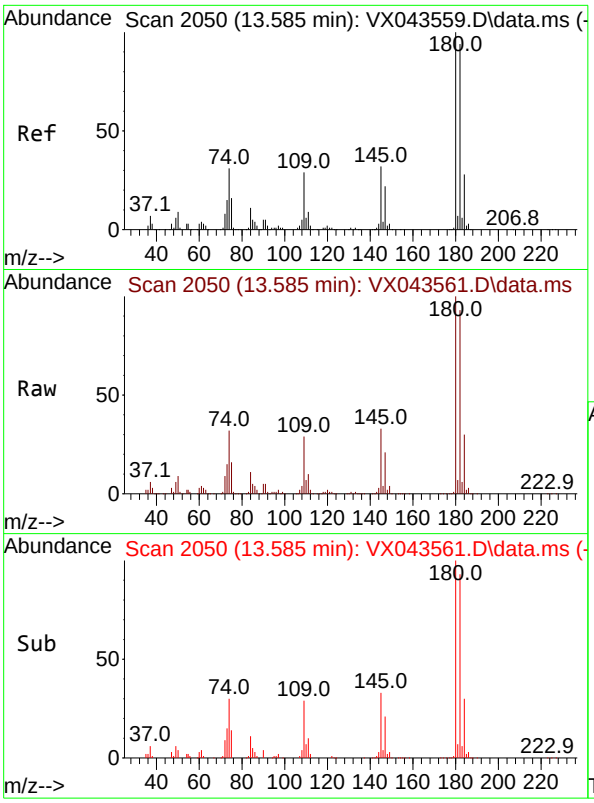


#92
1,2-Dibromo-3-Chloropropane
Concen: 144.811 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 94746

Ion	Ratio	Lower	Upper
75	100		
155	86.1	40.1	120.3
157	109.9	50.8	152.4

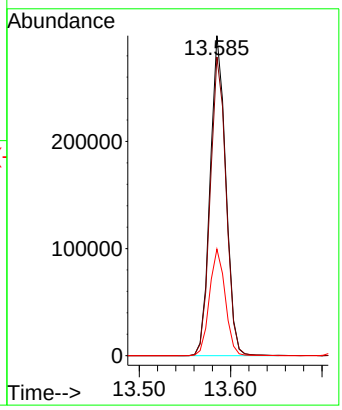




#93
1,2,4-Trichlorobenzene
Concen: 159.641 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:180 Resp: 35442

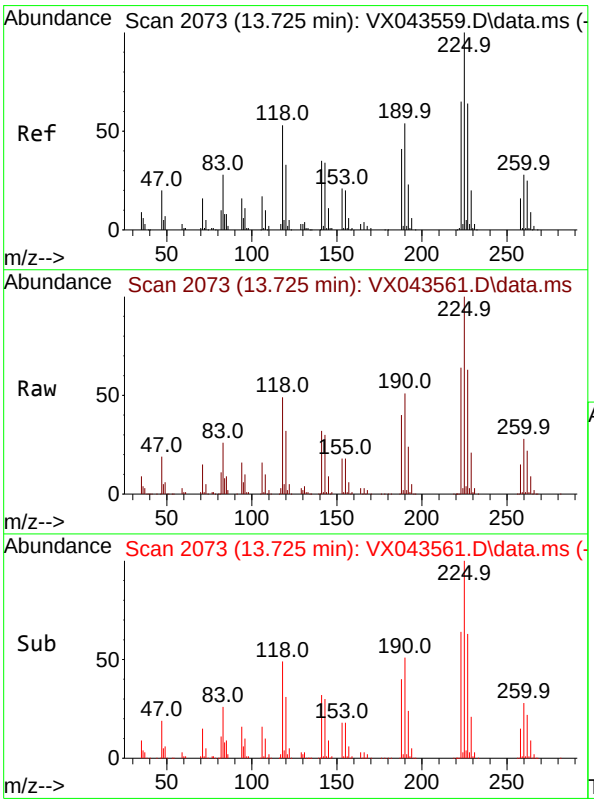
Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.4
145	33.5	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

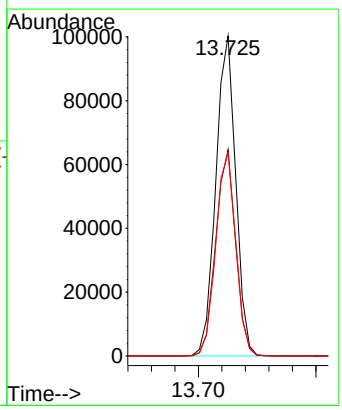
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

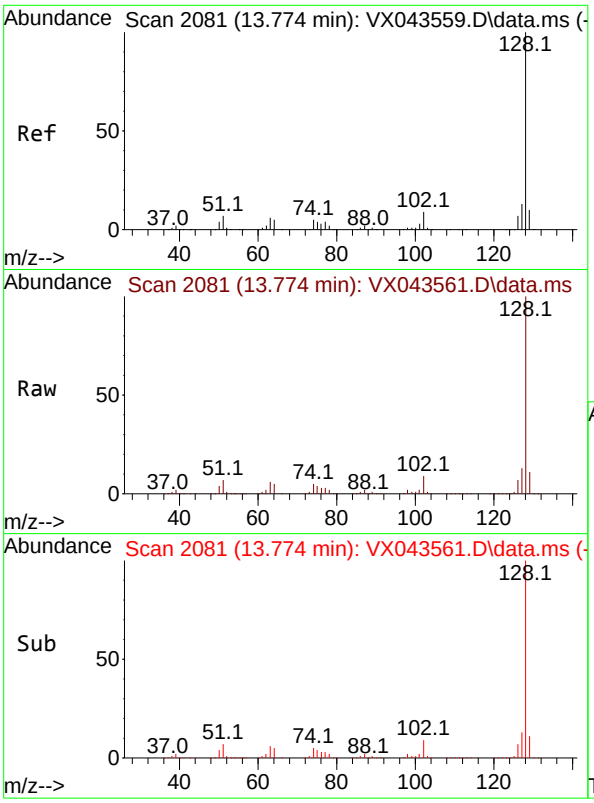


#94
Hexachlorobutadiene
Concen: 150.492 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:225 Resp: 118245

Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.8	92.4
227	63.9	31.6	94.8

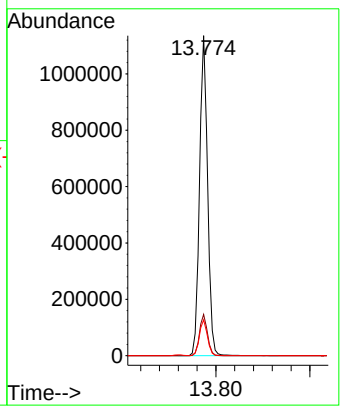




#95
Naphthalene
Concen: 148.198 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:128 Resp: 135012

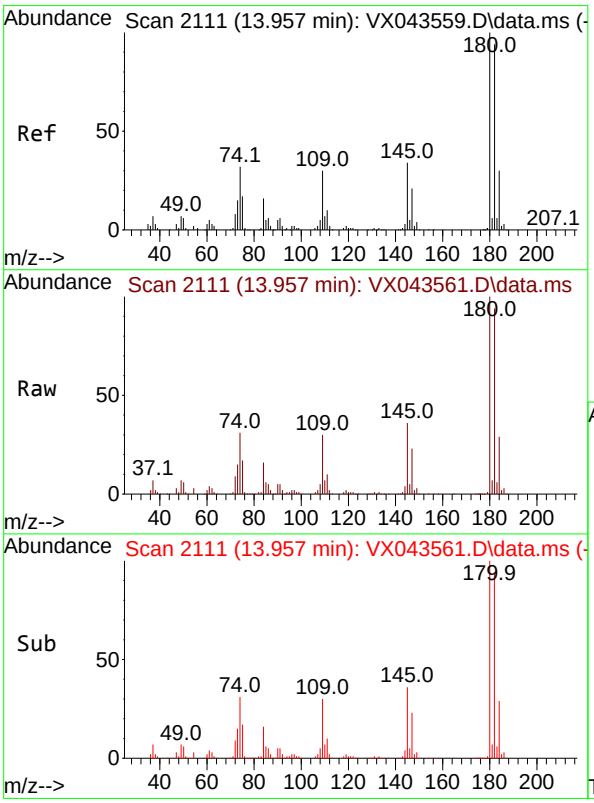
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

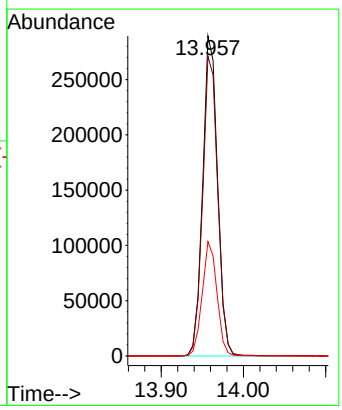
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 156.686 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:180 Resp: 363960

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	35.3	17.4	52.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	179424	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	320605	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	273282	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130429	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	130207	45.512	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.020%				
35) Dibromofluoromethane	5.385	113	103607	47.657	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.320%				
50) Toluene-d8	8.647	98	364696	48.461	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.920%				
62) 4-Bromofluorobenzene	11.079	95	134767	48.327	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	81674	42.565	ug/l		94
3) Chloromethane	1.294	50	101631	41.434	ug/l		99
4) Vinyl Chloride	1.374	62	99612	43.758	ug/l		96
5) Bromomethane	1.593	94	38610	41.604	ug/l		98
6) Chloroethane	1.660	64	32071	39.988	ug/l		96
7) Trichlorofluoromethane	1.855	101	128270	46.124	ug/l		96
8) Diethyl Ether	2.136	74	55490	43.186	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.306	101	83899	44.609	ug/l		98
10) Methyl Iodide	2.441	142	121643	44.767	ug/l		99
11) Tert butyl alcohol	3.044	59	122504	229.410	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	86406	44.957	ug/l		95
13) Acrolein	2.239	56	91162	218.298	ug/l		99
14) Allyl chloride	2.654	41	151352	45.529	ug/l		99
15) Acrylonitrile	3.069	53	266930	221.401	ug/l		98
16) Acetone	2.398	43	254666	224.158	ug/l		99
17) Carbon Disulfide	2.495	76	190995	47.524	ug/l		99
18) Methyl Acetate	2.709	43	140984	42.460	ug/l		98
19) Methyl tert-butyl Ether	3.123	73	317078	43.380	ug/l		97
20) Methylene Chloride	2.782	84	101646	41.513	ug/l		98
21) trans-1,2-Dichloroethene	3.081	96	89643	44.148	ug/l		96
22) Diisopropyl ether	3.764	45	300804	43.777	ug/l		97
23) Vinyl Acetate	3.721	43	1302117	229.380	ug/l		99
24) 1,1-Dichloroethane	3.605	63	172319	43.633	ug/l		100
25) 2-Butanone	4.568	43	368994	222.655	ug/l		100
26) 2,2-Dichloropropane	4.465	77	148949	46.075	ug/l		100
27) cis-1,2-Dichloroethene	4.483	96	113181	43.635	ug/l		98
28) Bromochloromethane	4.891	49	80045	42.606	ug/l		99
29) Tetrahydrofuran	5.007	42	235105	218.299	ug/l		99
30) Chloroform	5.086	83	180585	43.621	ug/l		95
31) Cyclohexane	5.458	56	133601	44.229	ug/l		99
32) 1,1,1-Trichloroethane	5.379	97	157829	45.409	ug/l		99
36) 1,1-Dichloropropene	5.684	75	115808	44.924	ug/l		99
37) Ethyl Acetate	4.721	43	146662	46.862	ug/l		99
38) Carbon Tetrachloride	5.672	117	131275	46.088	ug/l		98
39) Methylcyclohexane	7.373	83	146003	45.618	ug/l		97
40) Benzene	6.031	78	379529	44.132	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73439	44.704	ug/l		94
42) 1,2-Dichloroethane	6.080	62	137504	44.475	ug/l		99
43) Isopropyl Acetate	6.342	43	233162	45.049	ug/l		99
44) Trichloroethene	7.123	130	95769	44.826	ug/l		95
45) 1,2-Dichloropropane	7.428	63	94807	44.772	ug/l		98
46) Dibromomethane	7.580	93	71516	43.863	ug/l		98
47) Bromodichloromethane	7.818	83	134816	47.134	ug/l		100
48) Methyl methacrylate	7.696	41	113455	46.235	ug/l		100
49) 1,4-Dioxane	7.677	88	52802	1047.352	ug/l		98
51) 4-Methyl-2-Pentanone	8.580	43	723604	229.383	ug/l		99
52) Toluene	8.714	92	239913	46.000	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	143840	46.821	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	156936	47.945	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	97965	45.125	ug/l		99
56) Ethyl methacrylate	9.116	69	161309	45.728	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159880	44.279	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	384698	225.175	ug/l		98
59) 2-Hexanone	9.433	43	551262	230.086	ug/l		99
60) Dibromochloromethane	9.519	129	104046	48.399	ug/l		99
61) 1,2-Dibromoethane	9.610	107	101053	44.841	ug/l		99
64) Tetrachloroethene	9.269	164	78661	45.765	ug/l		96
65) Chlorobenzene	10.079	112	267388	45.479	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	93224	48.543	ug/l		99
67) Ethyl Benzene	10.189	91	450377	46.977	ug/l		97
68) m/p-Xylenes	10.299	106	349227	95.253	ug/l		97
69) o-Xylene	10.640	106	175059	47.523	ug/l		99
70) Styrene	10.653	104	294680	48.130	ug/l		99
71) Bromoform	10.799	173	69053	50.009	ug/l	#	98
73) Isopropylbenzene	10.963	105	434285	47.005	ug/l		100
74) N-amyl acetate	10.842	43	212192	47.145	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	151871	45.712	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	123473m	44.275	ug/l		
77) Bromobenzene	11.195	156	108482	45.472	ug/l		100
78) n-propylbenzene	11.305	91	480204	47.669	ug/l		99
79) 2-Chlorotoluene	11.360	91	303930	45.500	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	369790	48.003	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	49799	49.126	ug/l		94
82) 4-Chlorotoluene	11.451	91	348692	46.508	ug/l		97
83) tert-Butylbenzene	11.713	119	375497	47.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	372516	47.450	ug/l		99
85) sec-Butylbenzene	11.890	105	444311	48.384	ug/l		99
86) p-Isopropyltoluene	12.006	119	377100	48.310	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	196597	45.977	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	197418	44.556	ug/l		100
89) n-Butylbenzene	12.329	91	317946	49.987	ug/l		100
90) Hexachloroethane	12.536	117	64443	50.825	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	200702	45.901	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32952	48.652	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	127790	48.149	ug/l		100
94) Hexachlorobutadiene	13.725	225	46538	47.558	ug/l		99
95) Naphthalene	13.774	128	491660	48.409	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	131581	47.022	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

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

ICAL Form

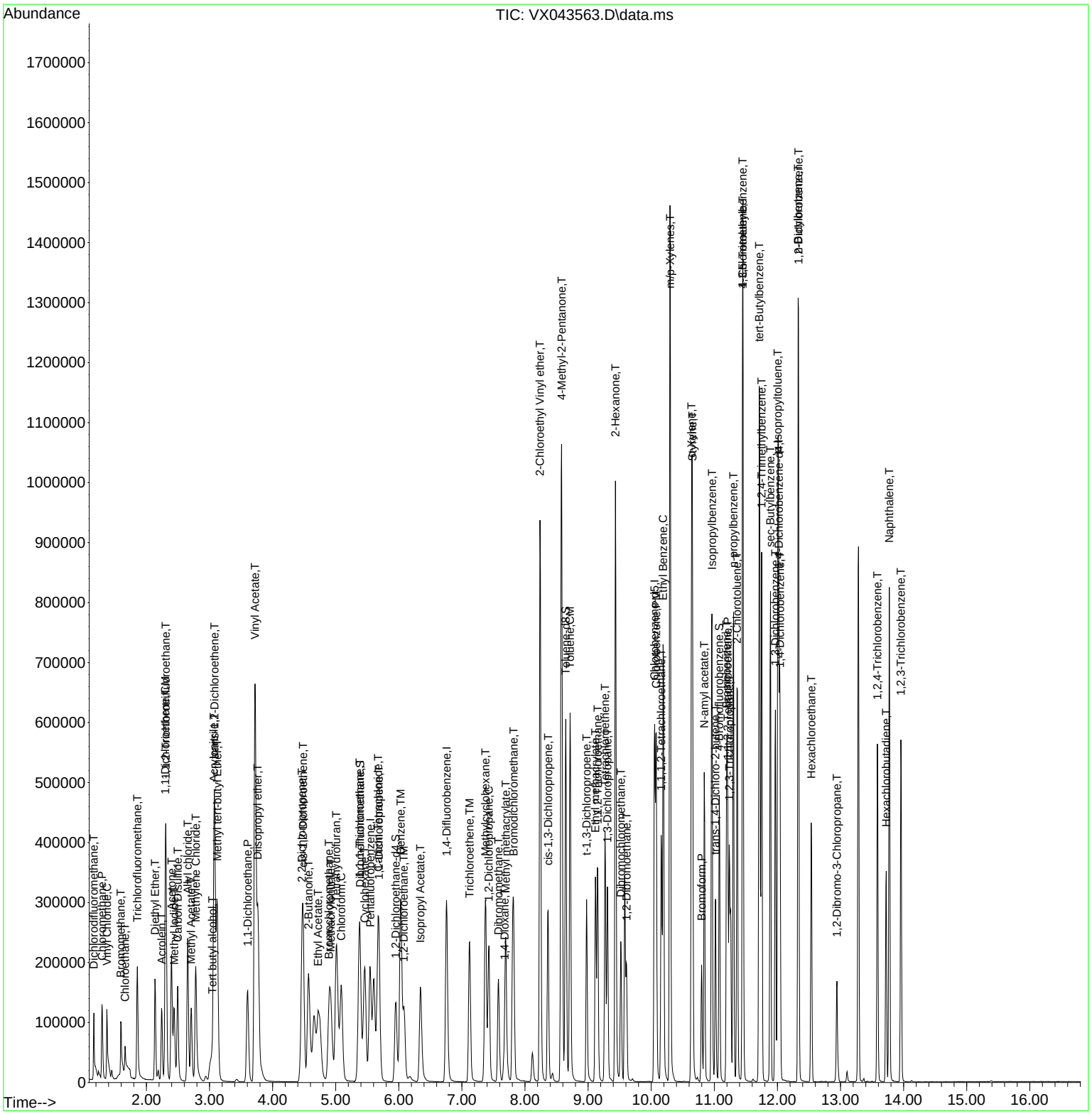
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

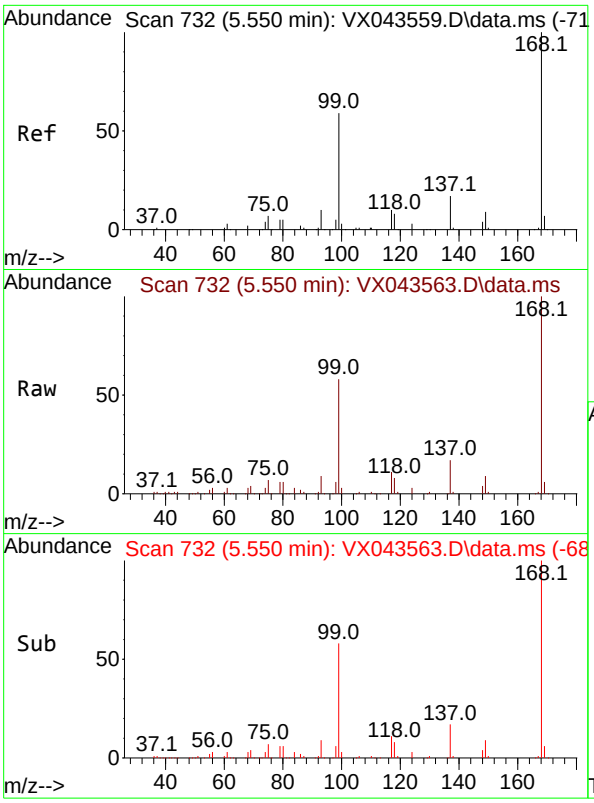
Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

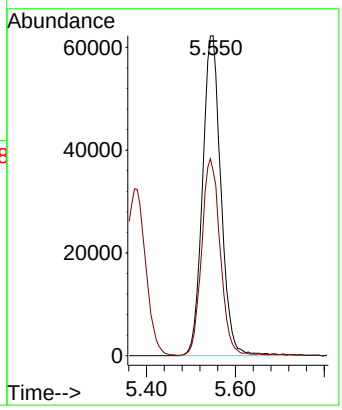




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:168 Resp: 17942

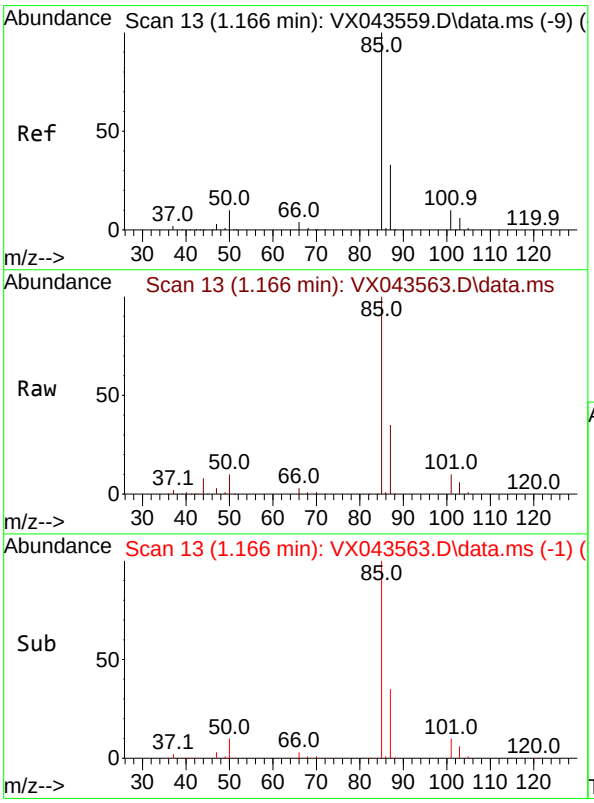
Ion	Ratio	Lower	Upper
168	100		
99	57.7	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

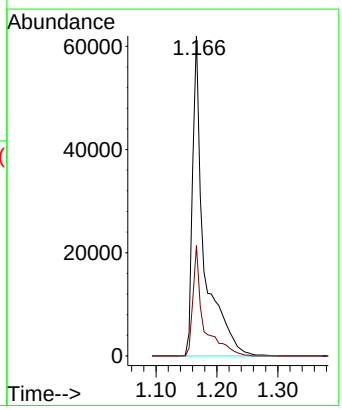
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

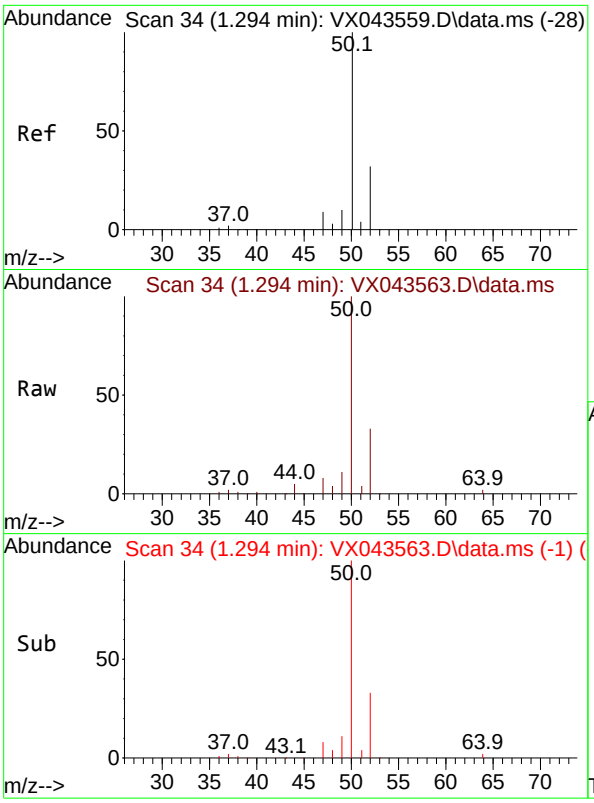


#2
Dichlorodifluoromethane
Concen: 42.565 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 85 Resp: 81674

Ion	Ratio	Lower	Upper
85	100		
87	34.5	15.7	47.0

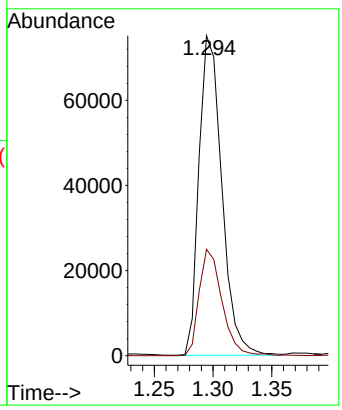




#3
Chloromethane
Concen: 41.434 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 50 Resp: 10163

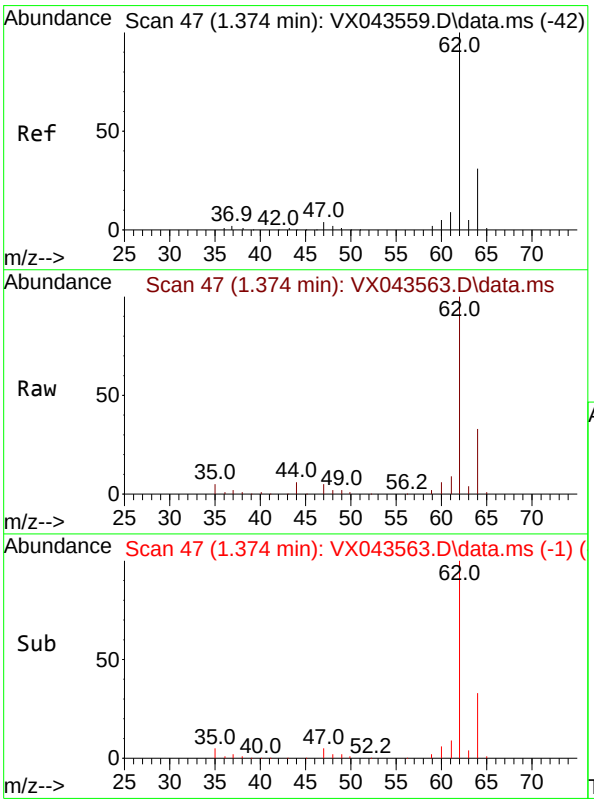
Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

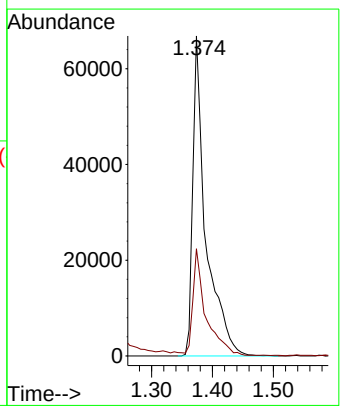
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

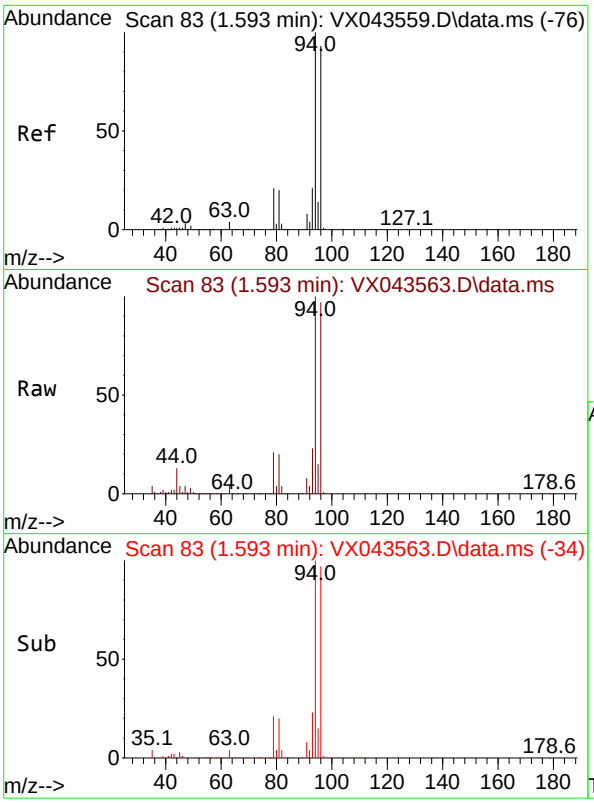


#4
Vinyl Chloride
Concen: 43.758 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 62 Resp: 99612

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.0	37.4

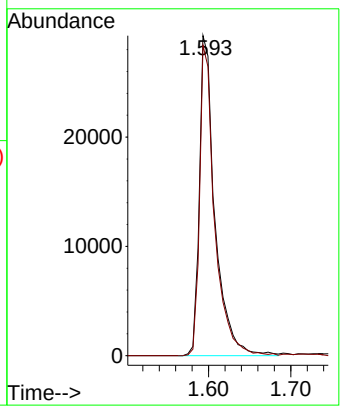




#5
Bromomethane
Concen: 41.604 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 94 Resp: 3861

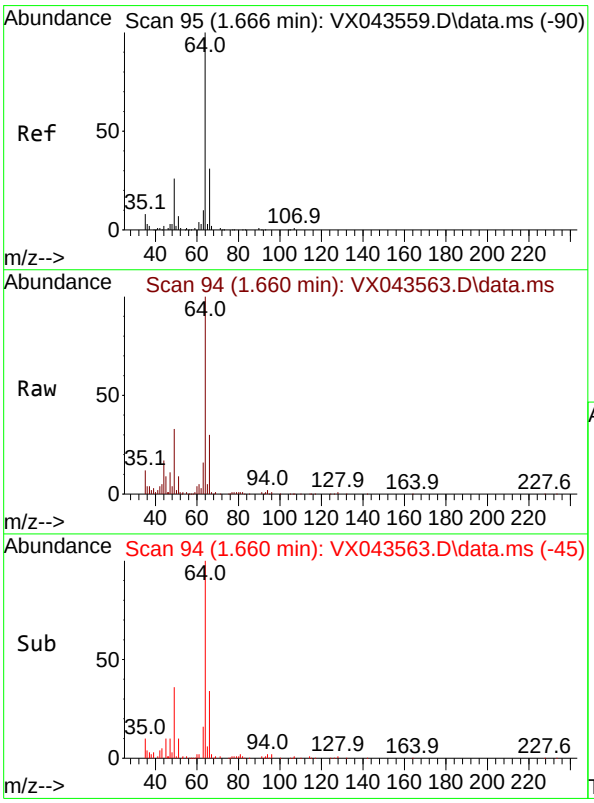
Ion	Ratio	Lower	Upper
94	100		
96	96.9	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

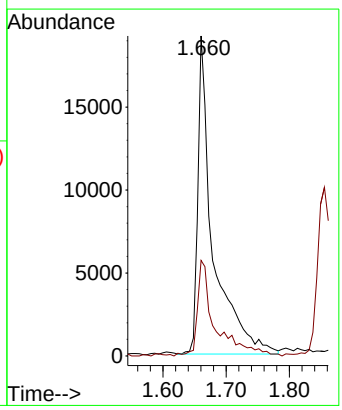
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

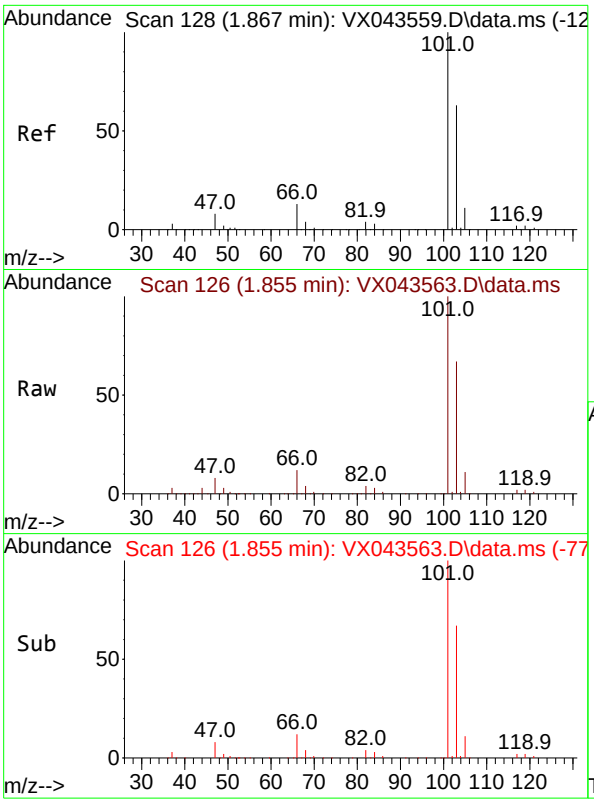


#6
Chloroethane
Concen: 39.988 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 64 Resp: 32071

Ion	Ratio	Lower	Upper
64	100		
66	29.4	25.1	37.7





#7
Trichlorofluoromethane
Concen: 46.124 ug/l
RT: 1.855 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

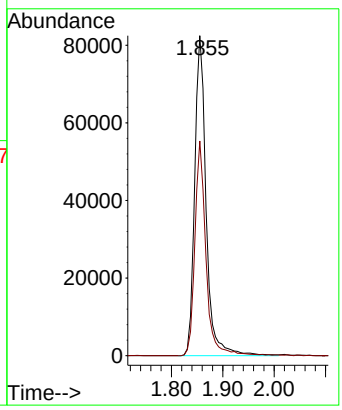
Tgt Ion:101 Resp: 12827

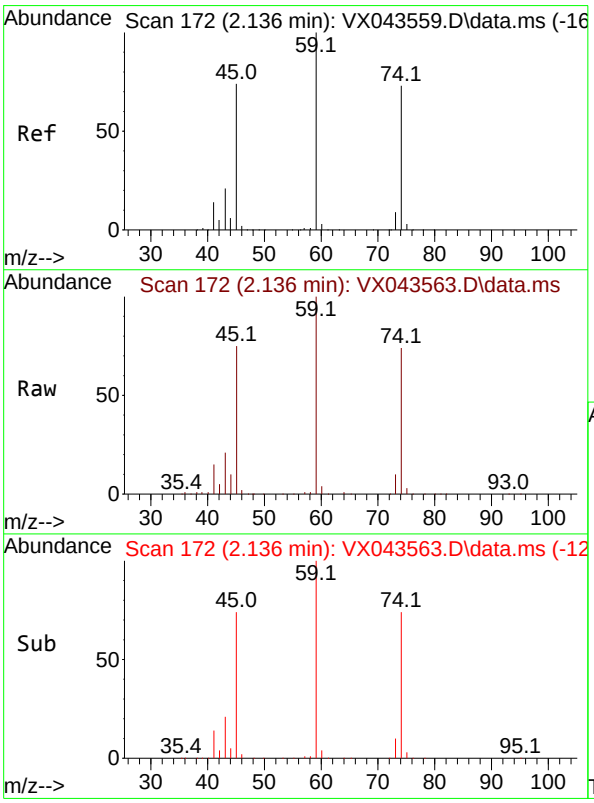
Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

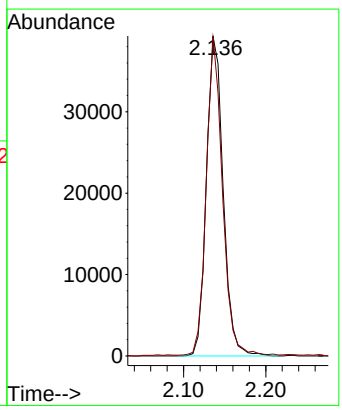


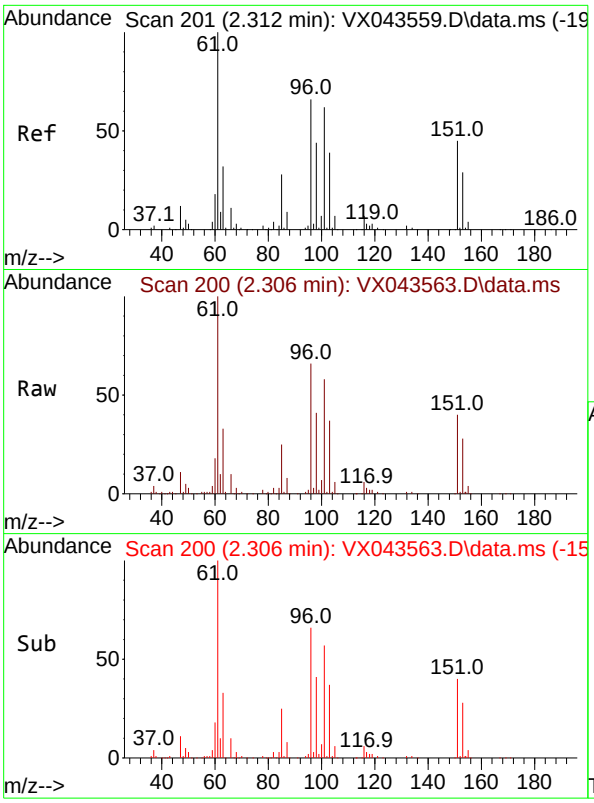


#8
Diethyl Ether
Concen: 43.186 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 74 Resp: 55490

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.609 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

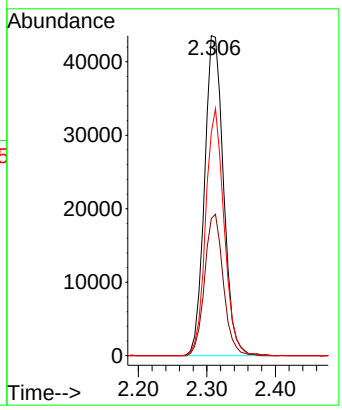
Tgt Ion:101 Resp: 8389

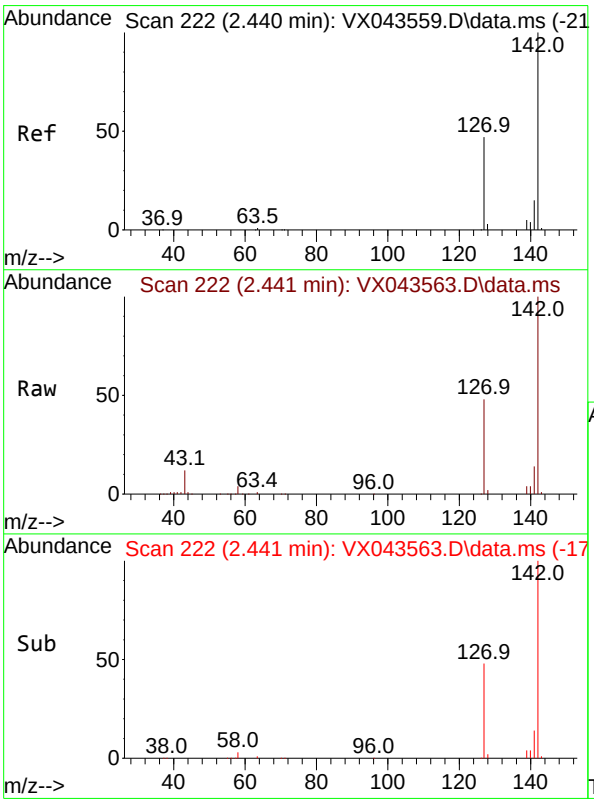
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.5	51.7
151	74.8	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

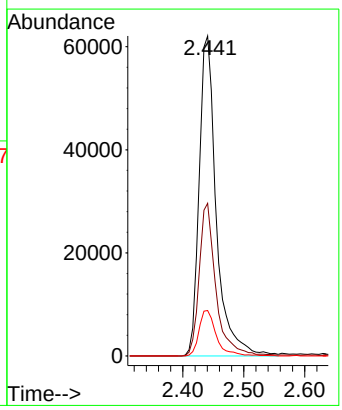


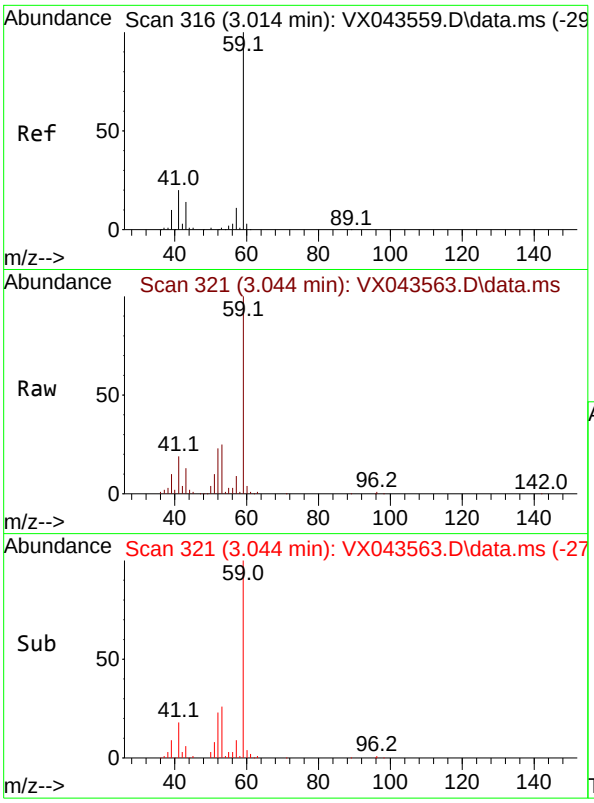


#10
Methyl Iodide
Concen: 44.767 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:142 Resp: 121643

Ion	Ratio	Lower	Upper
142	100		
127	46.7	38.2	57.4
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 229.410 ug/l
RT: 3.044 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

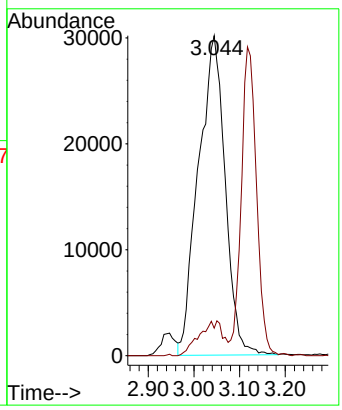
Tgt Ion: 59 Resp: 12250

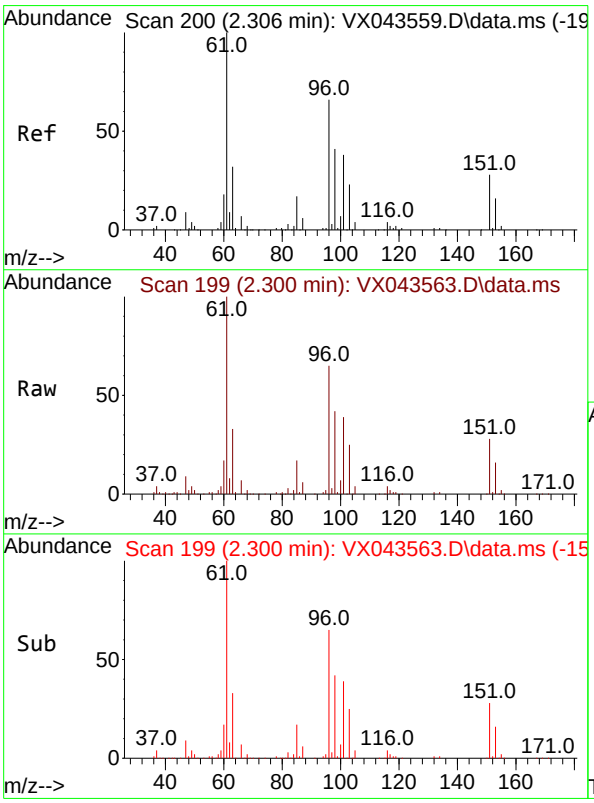
Ion	Ratio	Lower	Upper
59	100		
57	9.7	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

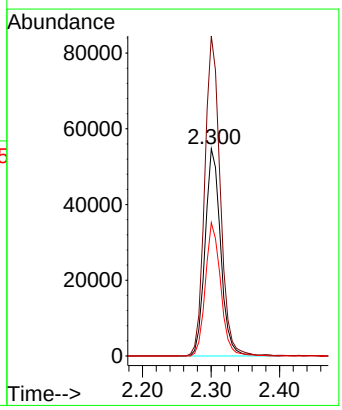


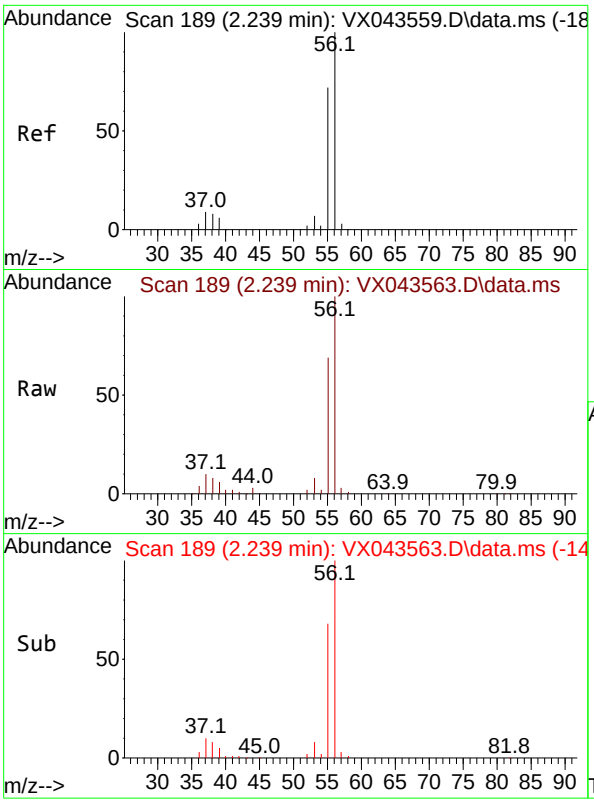


#12
1,1-Dichloroethene
Concen: 44.957 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 96 Resp: 86406

Ion	Ratio	Lower	Upper
96	100		
61	154.4	130.2	195.4
98	64.4	51.0	76.6

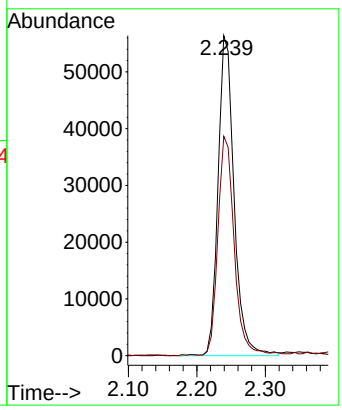




#13
Acrolein
Concen: 218.298 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 56 Resp: 9116

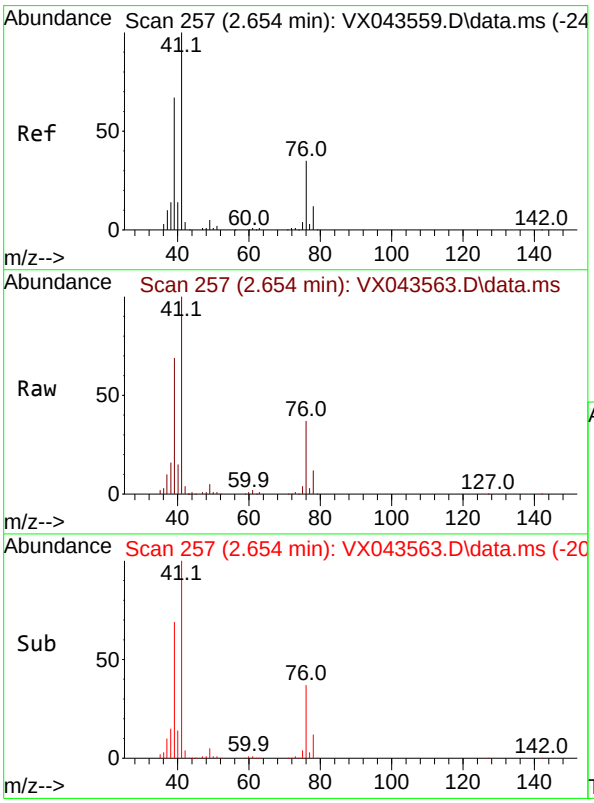
Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

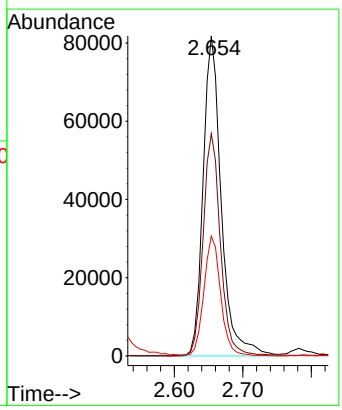
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

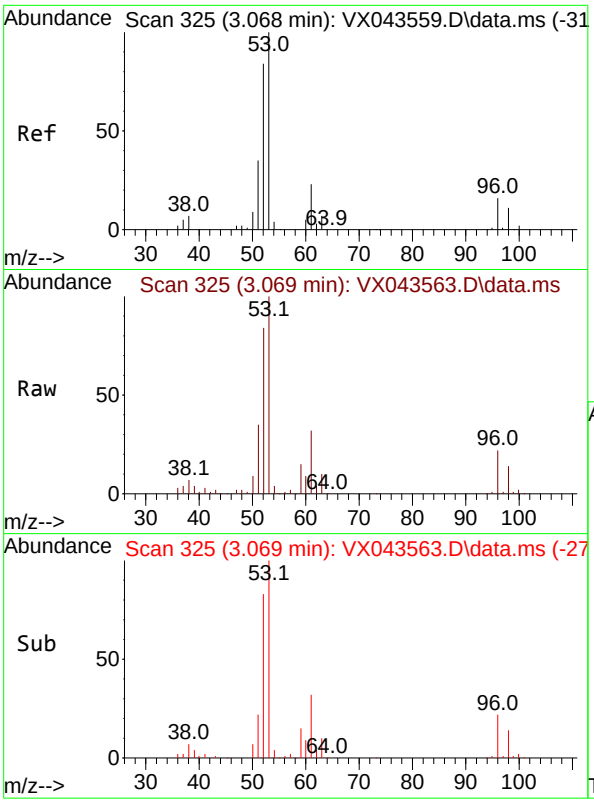


#14
Allyl chloride
Concen: 45.529 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 41 Resp: 151352

Ion	Ratio	Lower	Upper
41	100		
39	66.0	53.2	79.8
76	34.6	27.0	40.6

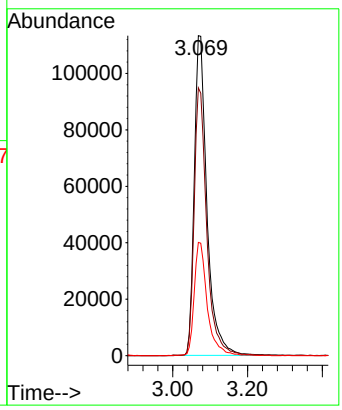




#15
Acrylonitrile
Concen: 221.401 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 53 Resp: 26693

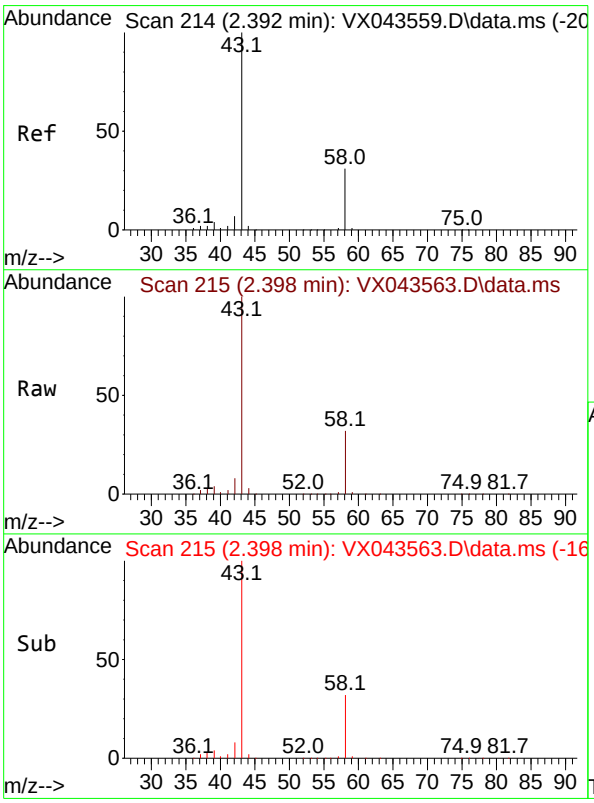
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.8	98.6
51	36.7	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

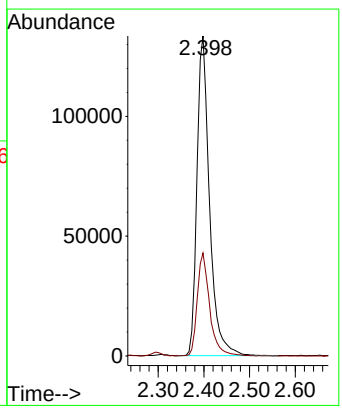
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

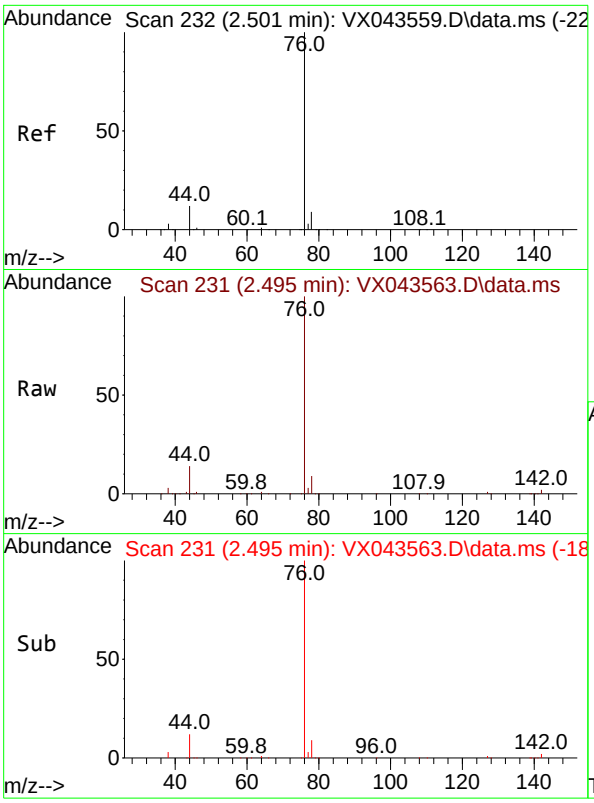


#16
Acetone
Concen: 224.158 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 254666

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.1	37.7

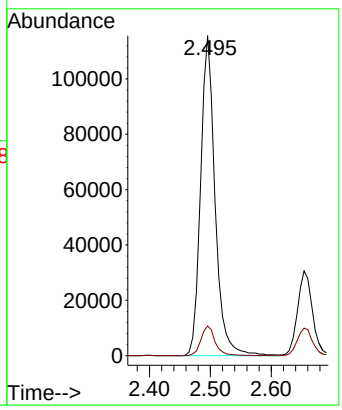




#17
Carbon Disulfide
Concen: 47.524 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 76 Resp: 19099

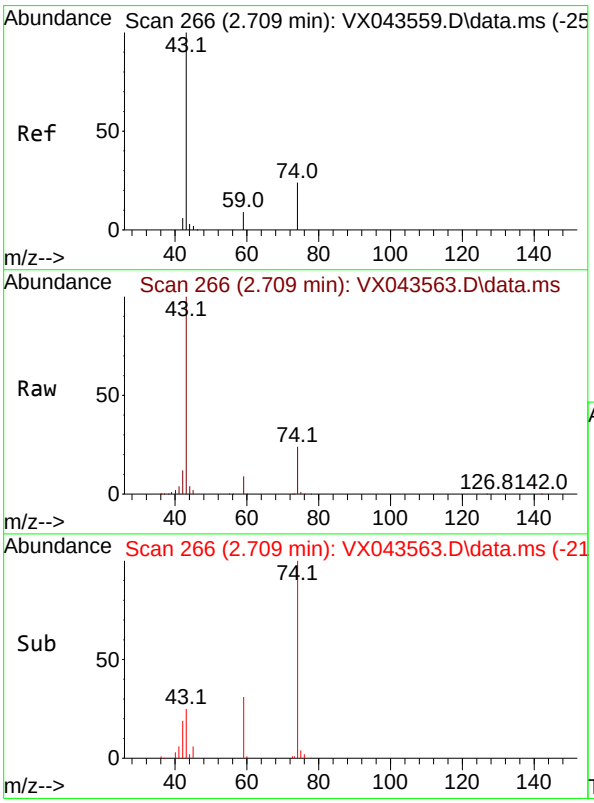
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

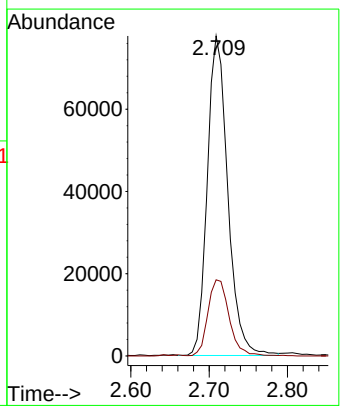
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

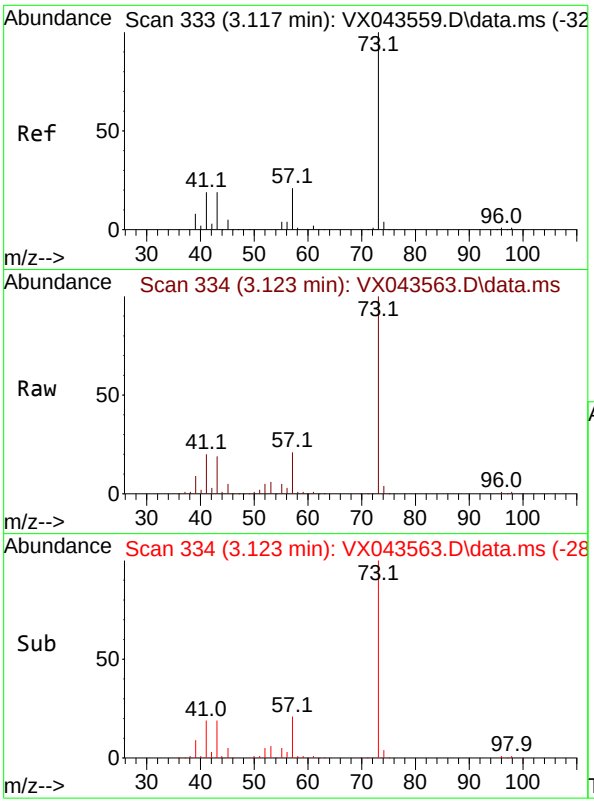


#18
Methyl Acetate
Concen: 42.460 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 140984

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7

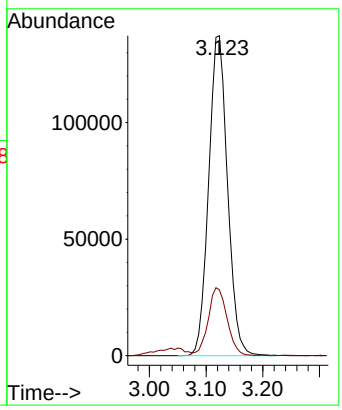




#19
Methyl tert-butyl Ether
Concen: 43.380 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 73 Resp: 3170

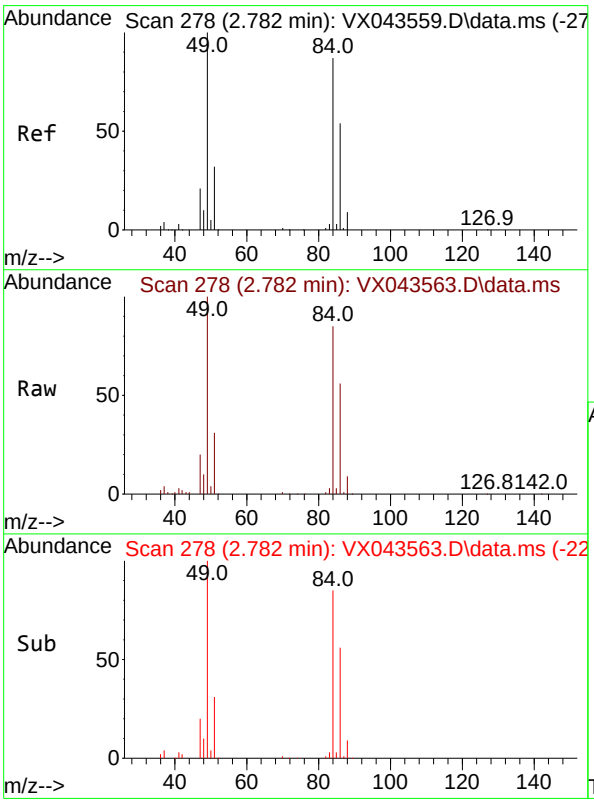
Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

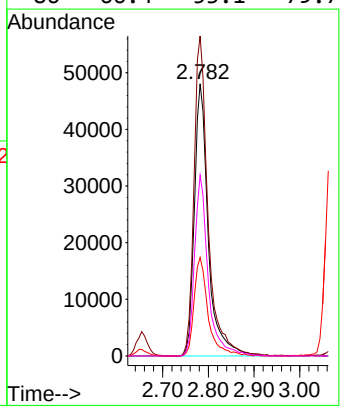
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

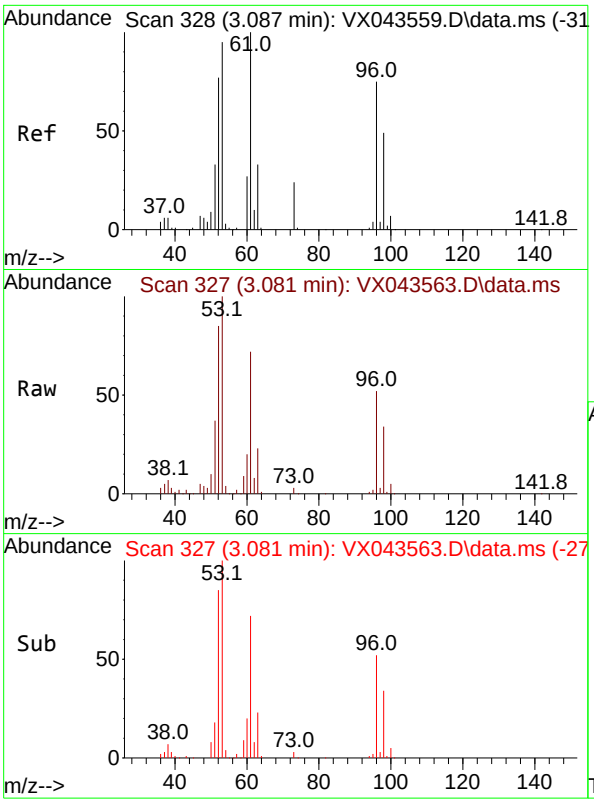


#20
Methylene Chloride
Concen: 41.513 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 84 Resp: 101646

Ion	Ratio	Lower	Upper
84	100		
49	117.6	97.0	145.6
51	36.2	29.8	44.8
86	66.4	53.1	79.7

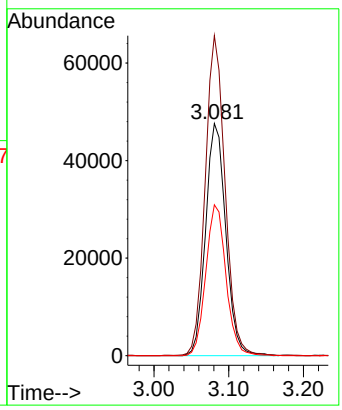




#21
trans-1,2-Dichloroethene
Concen: 44.148 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 96 Resp: 8964

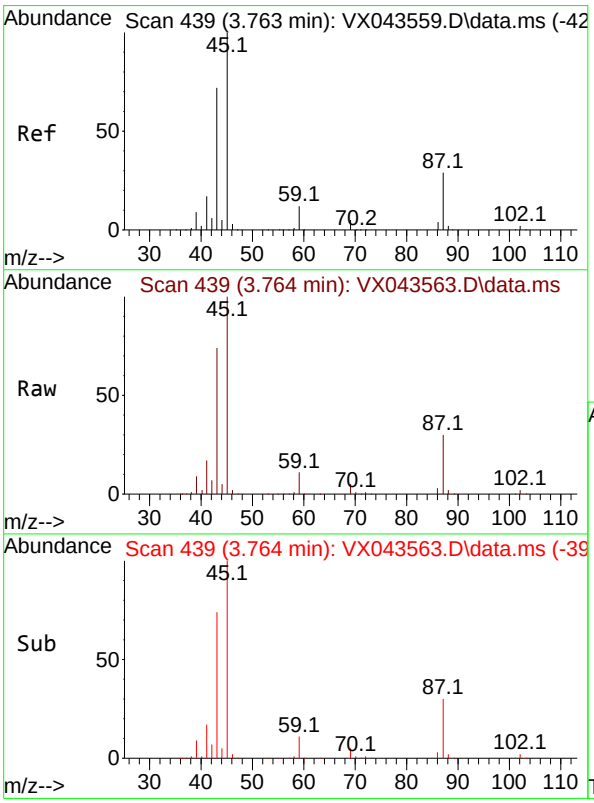
Ion	Ratio	Lower	Upper
96	100		
61	137.7	107.1	160.7
98	65.0	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

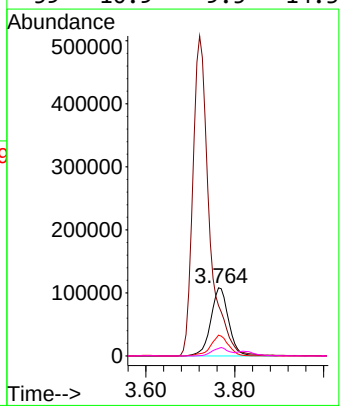
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

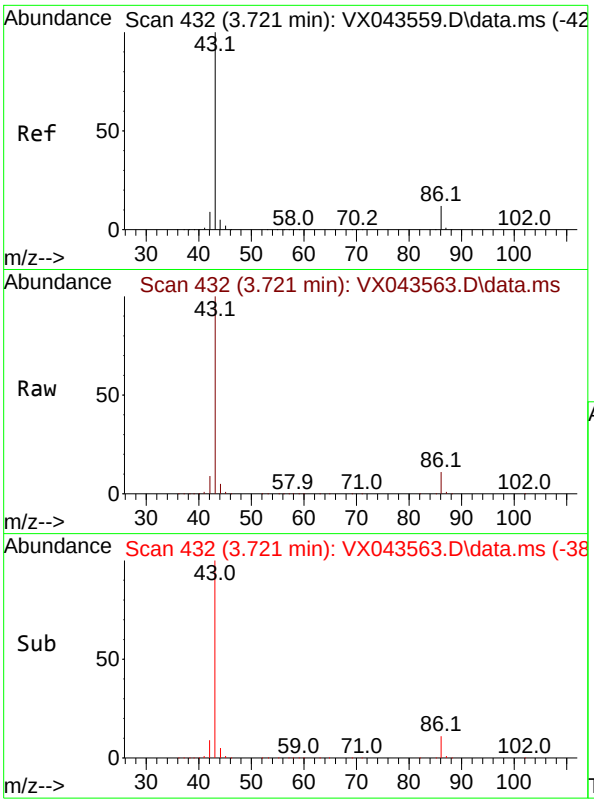


#22
Diisopropyl ether
Concen: 43.777 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 45 Resp: 300804

Ion	Ratio	Lower	Upper
45	100		
43	73.9	60.6	90.8
87	30.4	22.0	33.0
59	10.9	9.5	14.3

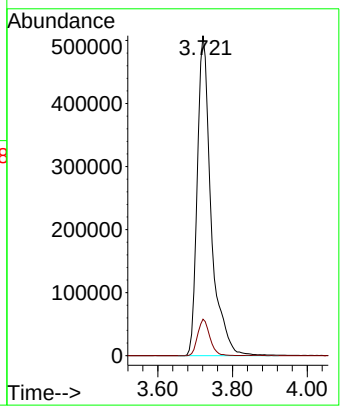




#23
Vinyl Acetate
Concen: 229.380 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 130211

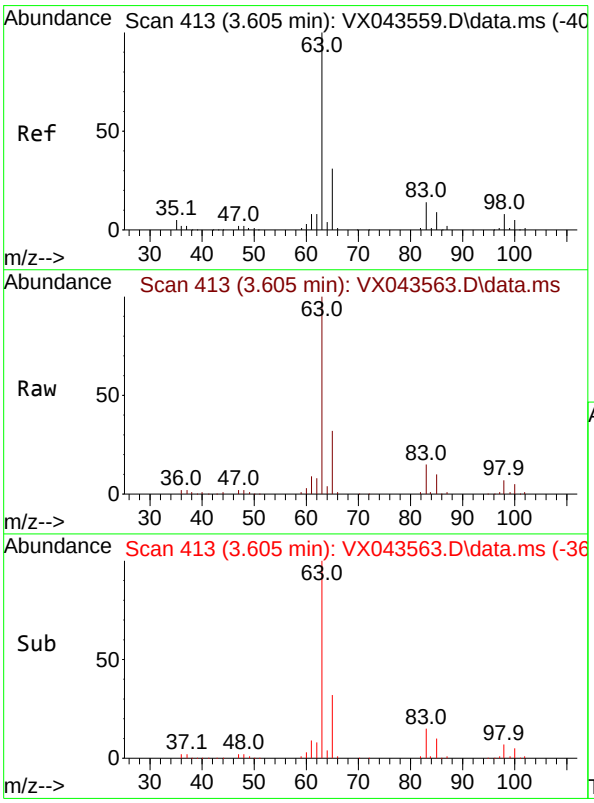
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.0	13.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

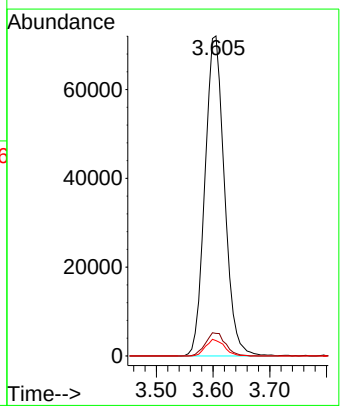
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

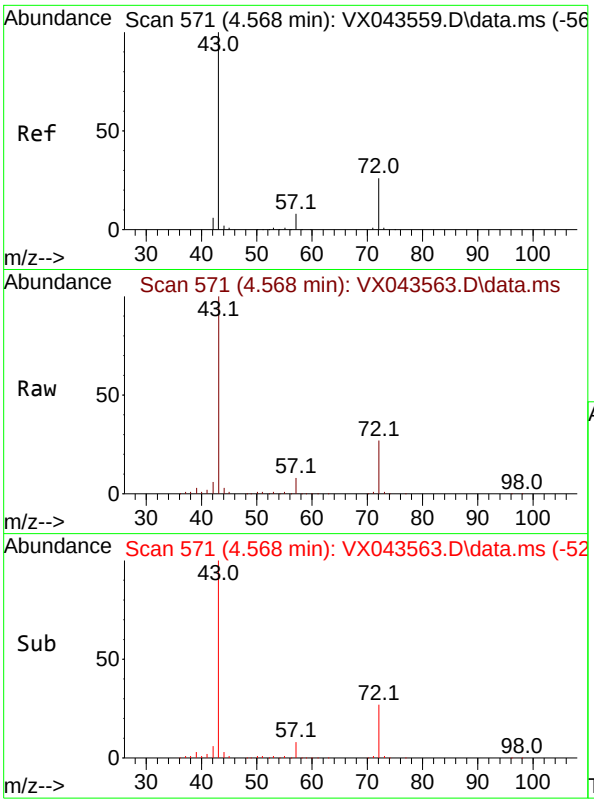


#24
1,1-Dichloroethane
Concen: 43.633 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 63 Resp: 172319

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.8	2.4	7.2

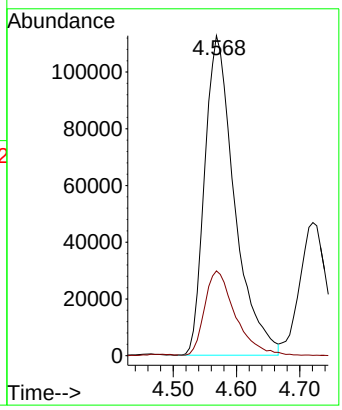




#25
2-Butanone
Concen: 222.655 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 36899

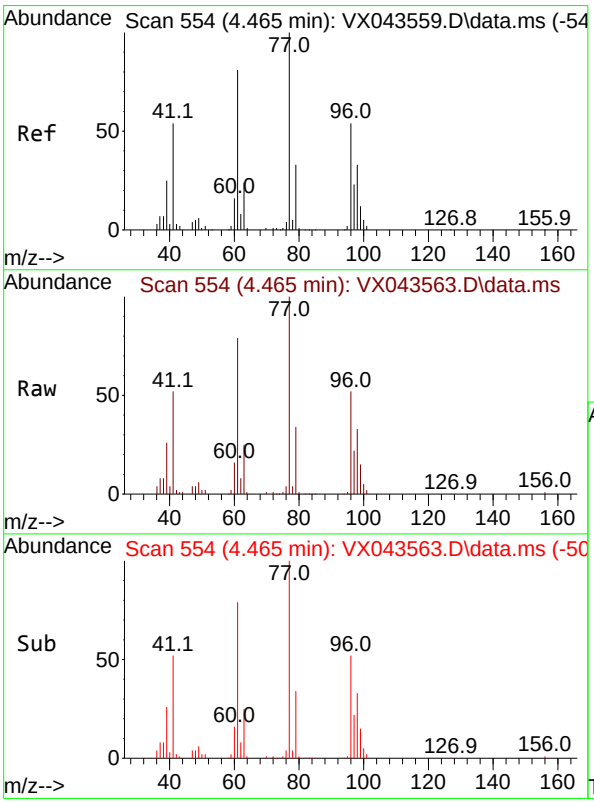
Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

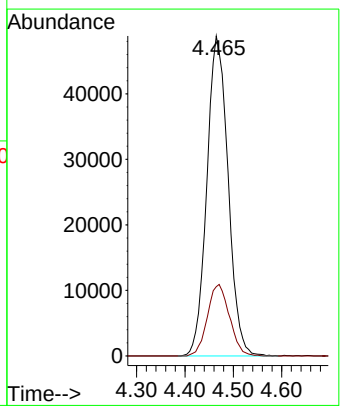
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

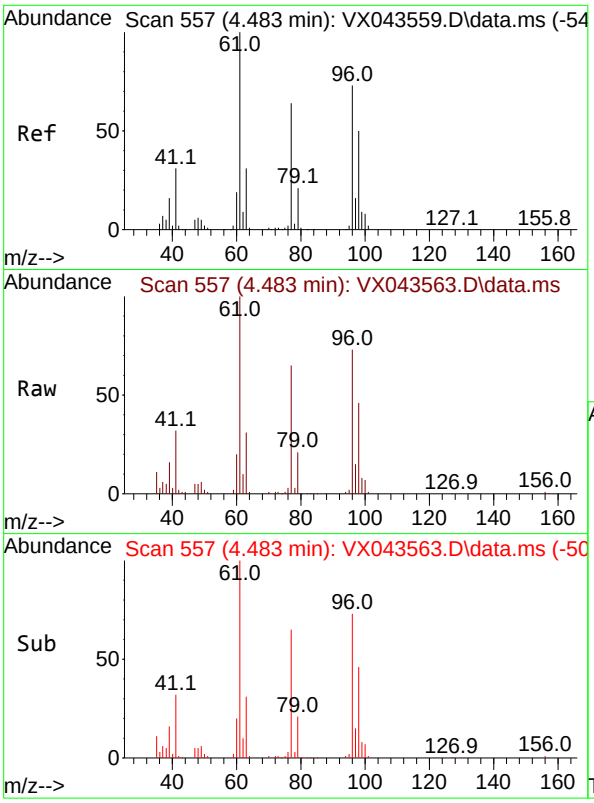


#26
2,2-Dichloropropane
Concen: 46.075 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 77 Resp: 148949

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 43.635 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

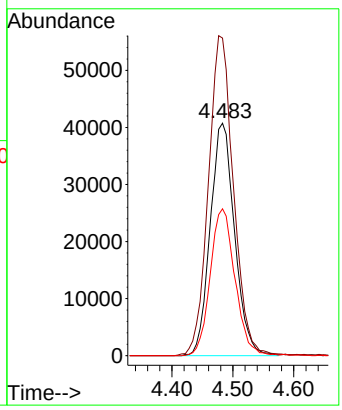
Tgt Ion: 96 Resp: 11318

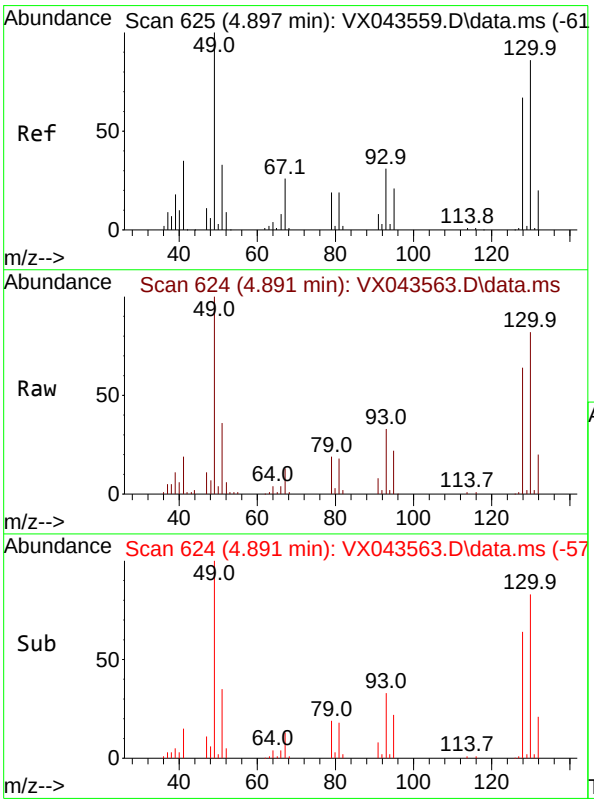
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	277.2
98	64.1	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

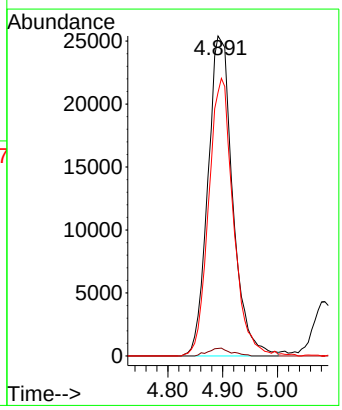


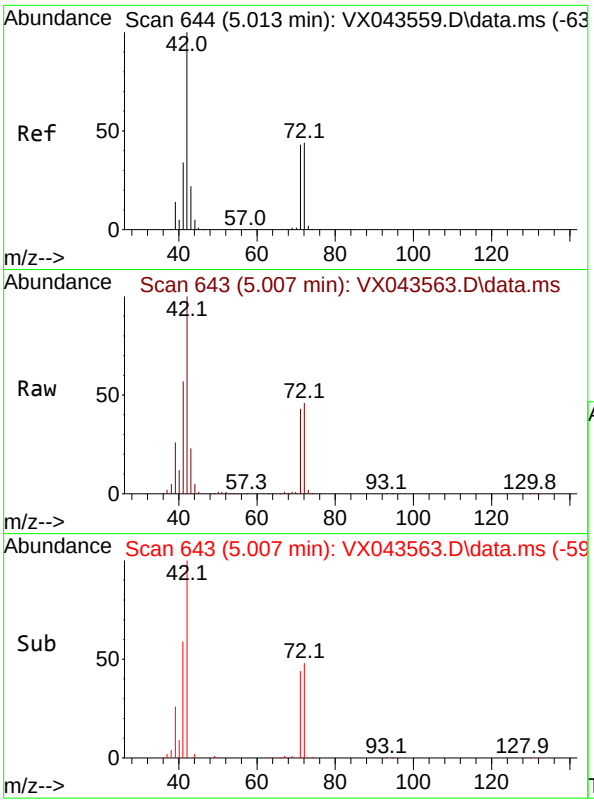


#28
Bromochloromethane
Concen: 42.606 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 49 Resp: 80045

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.0	67.8	101.8





#29
Tetrahydrofuran
Concen: 218.299 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

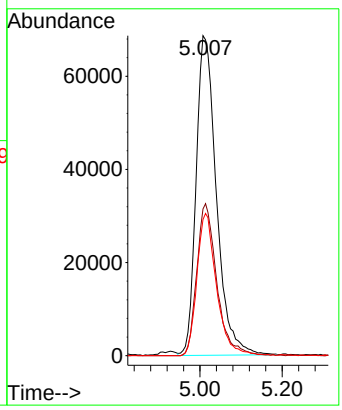
Tgt Ion: 42 Resp: 23510

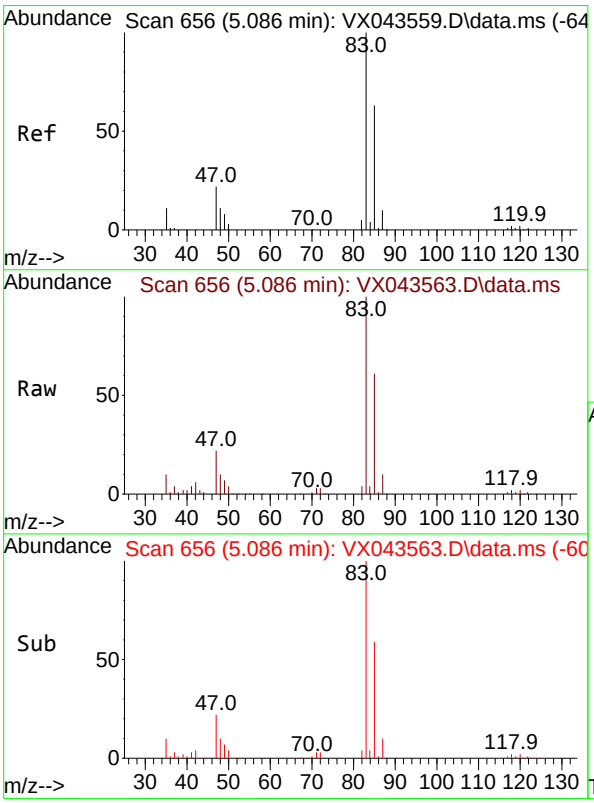
Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.6	55.0
71	43.1	34.2	51.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

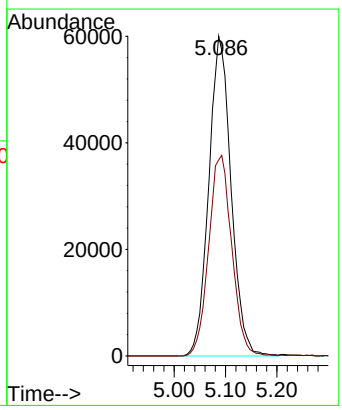


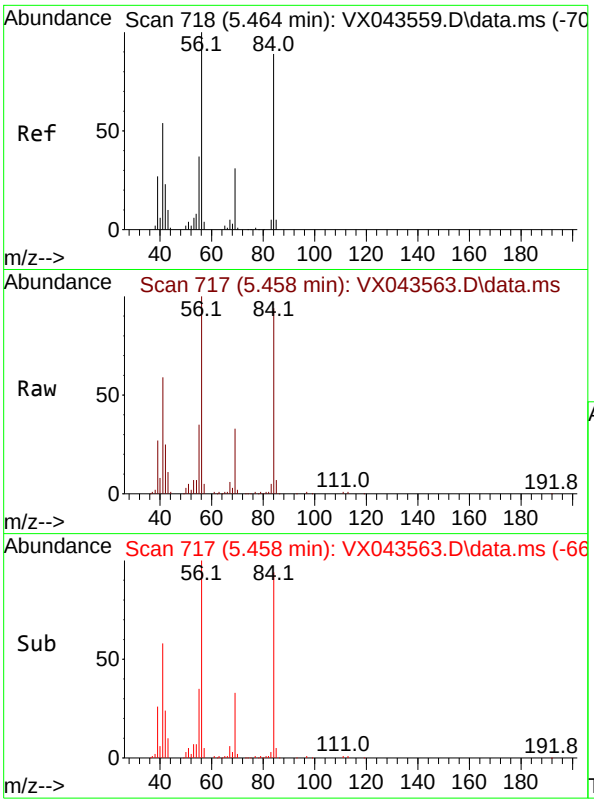


#30
Chloroform
Concen: 43.621 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 83 Resp: 180585

Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.2	78.4

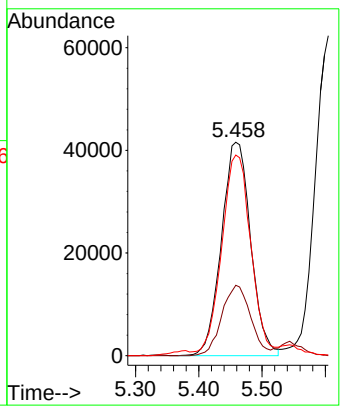




#31
Cyclohexane
Concen: 44.229 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 56 Resp: 13360

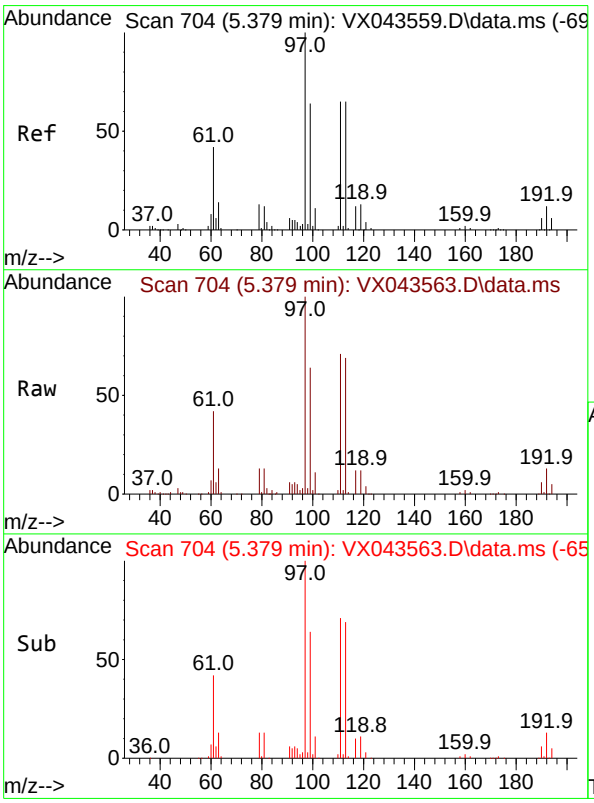
Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.9	37.3
84	92.1	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

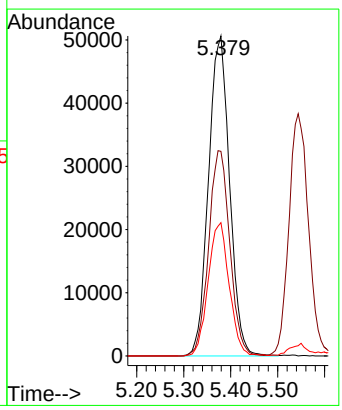
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

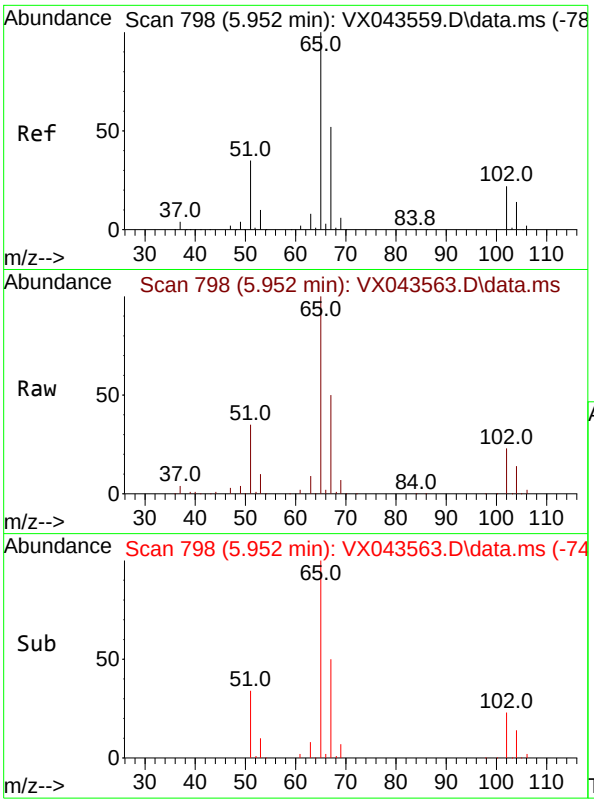


#32
1,1,1-Trichloroethane
Concen: 45.409 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 97 Resp: 157829

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	41.7	34.0	51.0

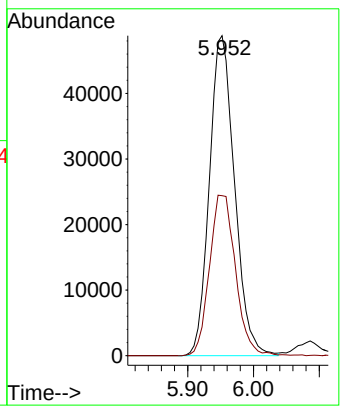




#33
1,2-Dichloroethane-d4
Concen: 45.512 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 65 Resp: 13020

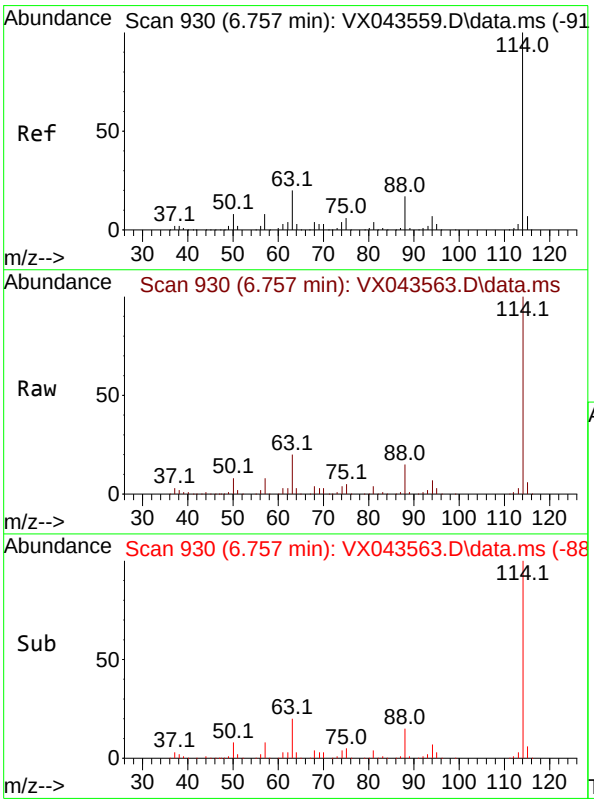
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

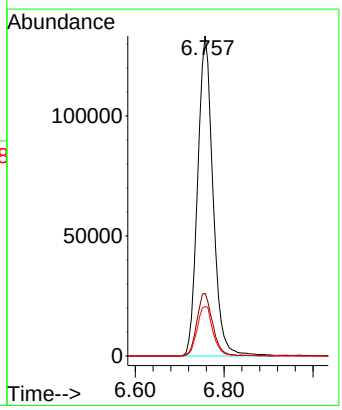
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

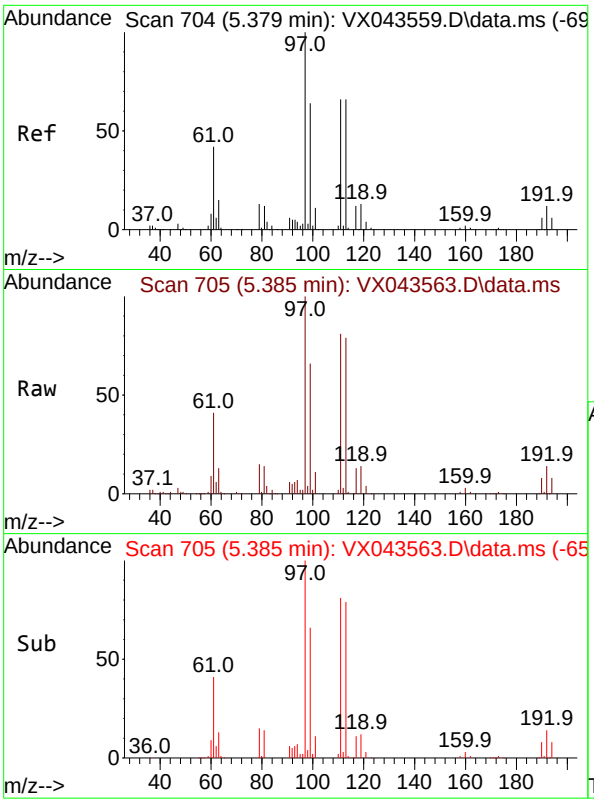


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:114 Resp: 320605

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.2
88	15.4	0.0	34.0

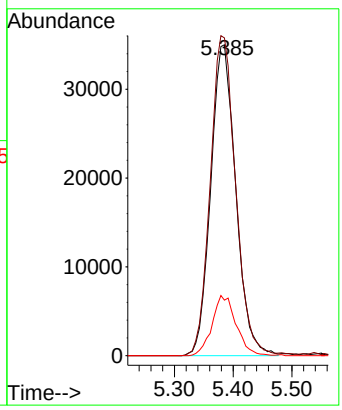




#35
Dibromofluoromethane
Concen: 47.657 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:113 Resp: 10360

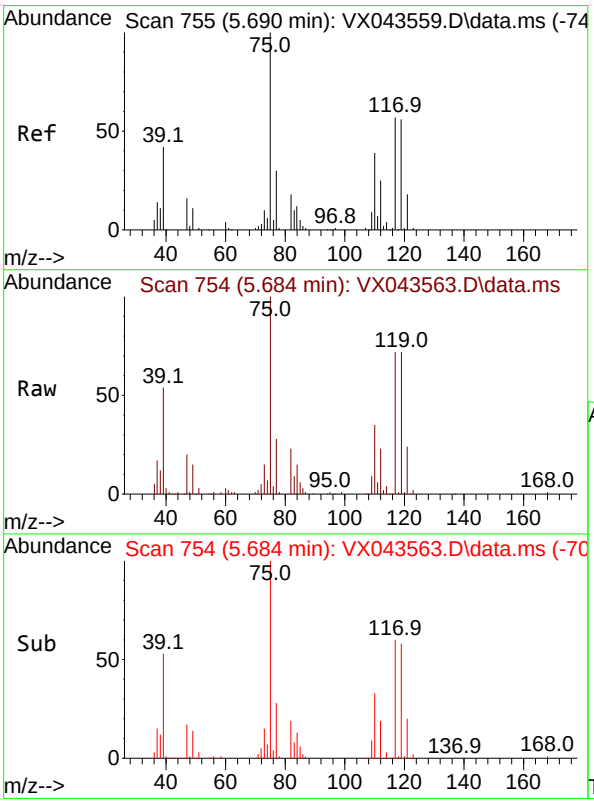
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	18.6	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

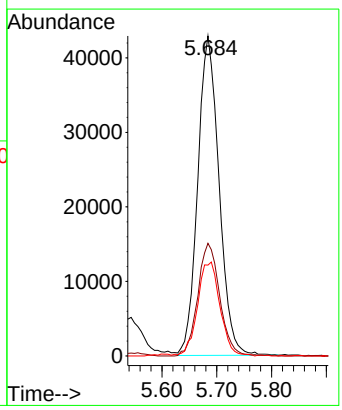
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

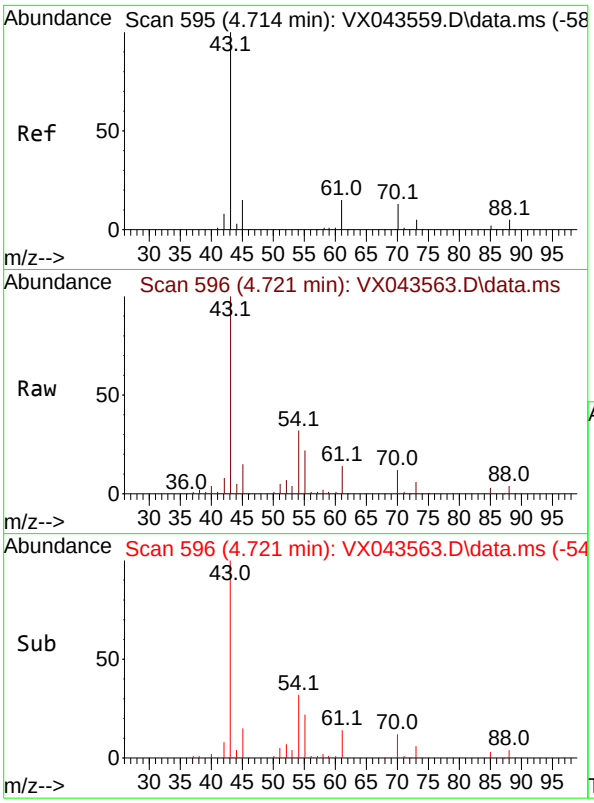


#36
1,1-Dichloropropene
Concen: 44.924 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 115808

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.9	53.7
77	31.1	25.0	37.4

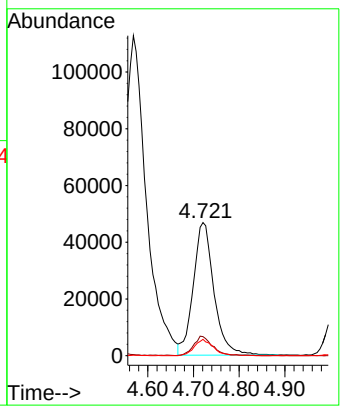




#37
Ethyl Acetate
Concen: 46.862 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 14666

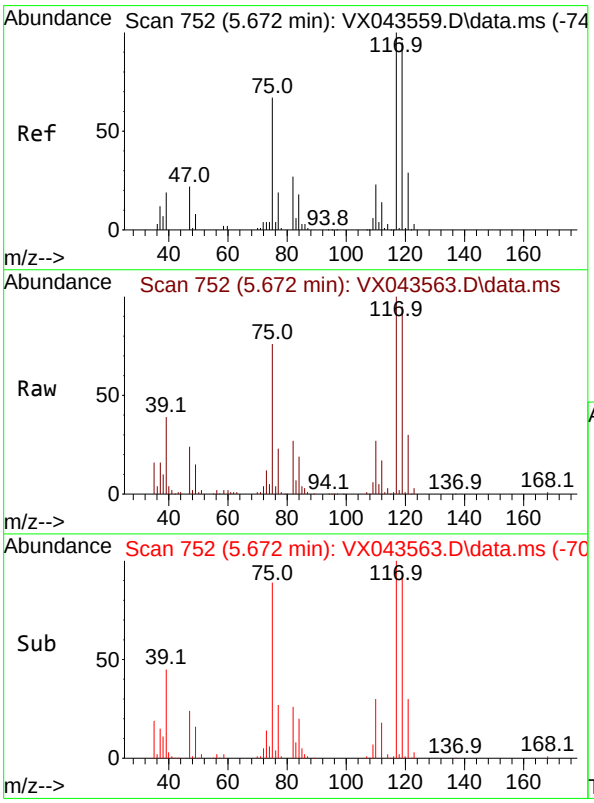
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	11.3	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

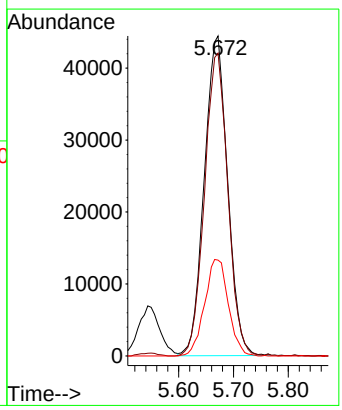
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

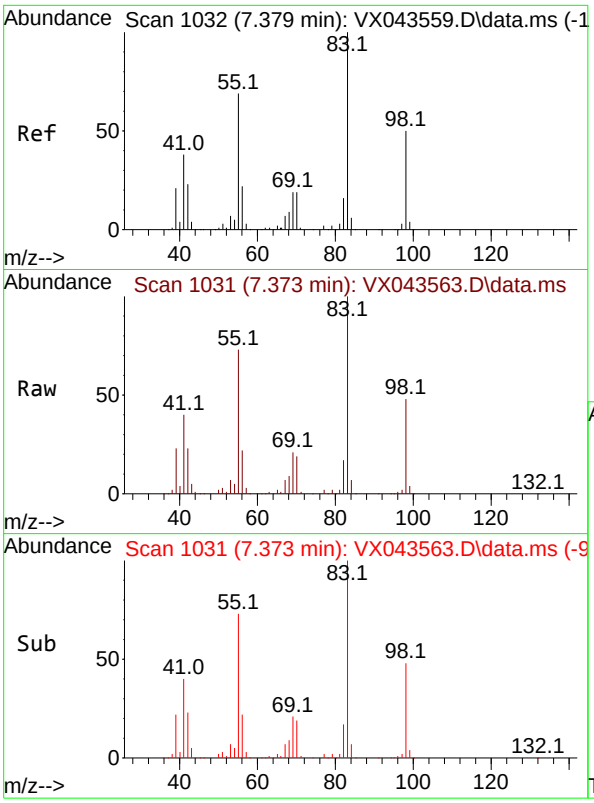


#38
Carbon Tetrachloride
Concen: 46.088 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:117 Resp: 131275

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.6
121	30.0	24.7	37.1





#39
Methylcyclohexane
Concen: 45.618 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

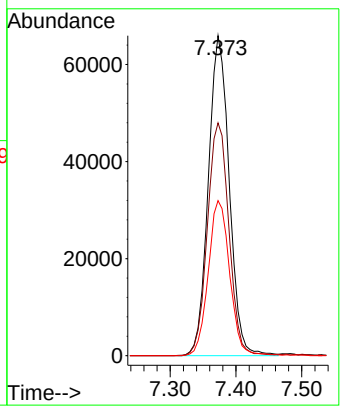
Tgt Ion: 83 Resp: 14600

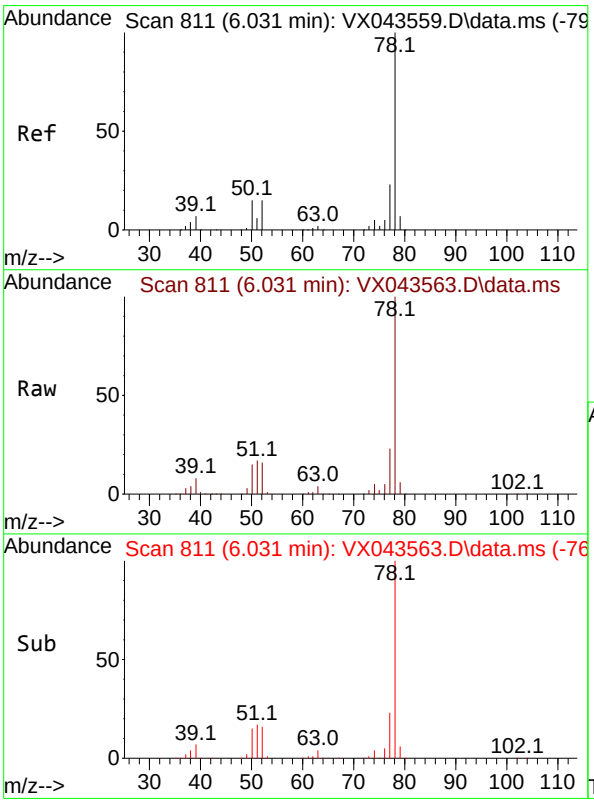
Ion	Ratio	Lower	Upper
83	100		
55	72.6	59.9	89.9
98	48.5	41.3	61.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

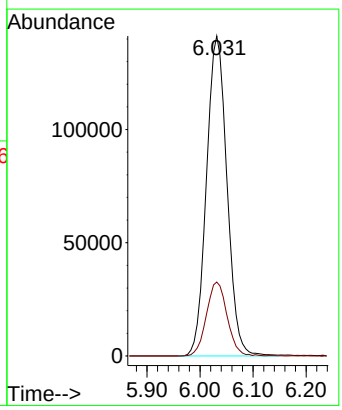


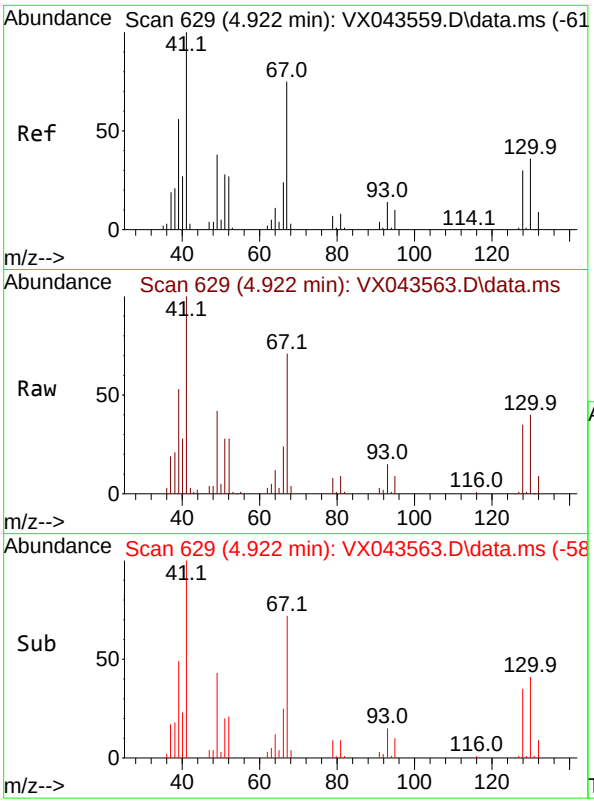


#40
Benzene
Concen: 44.132 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 78 Resp: 379529

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6

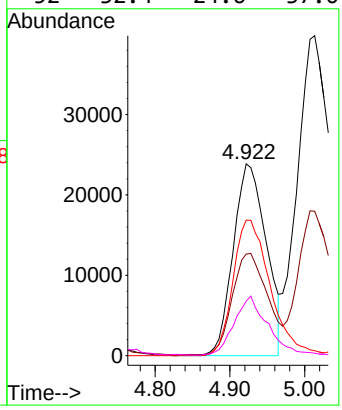




#41
Methacrylonitrile
Concen: 44.704 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 41 Resp: 7343

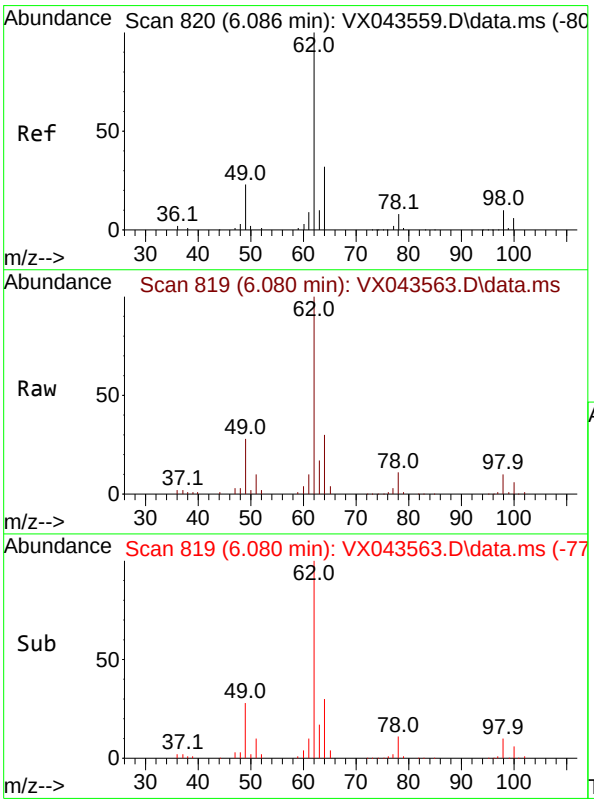
Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.5	65.3
67	79.9	58.3	87.5
52	32.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

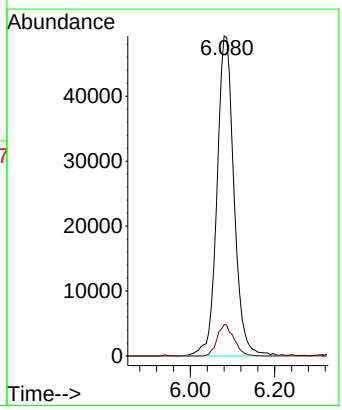
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

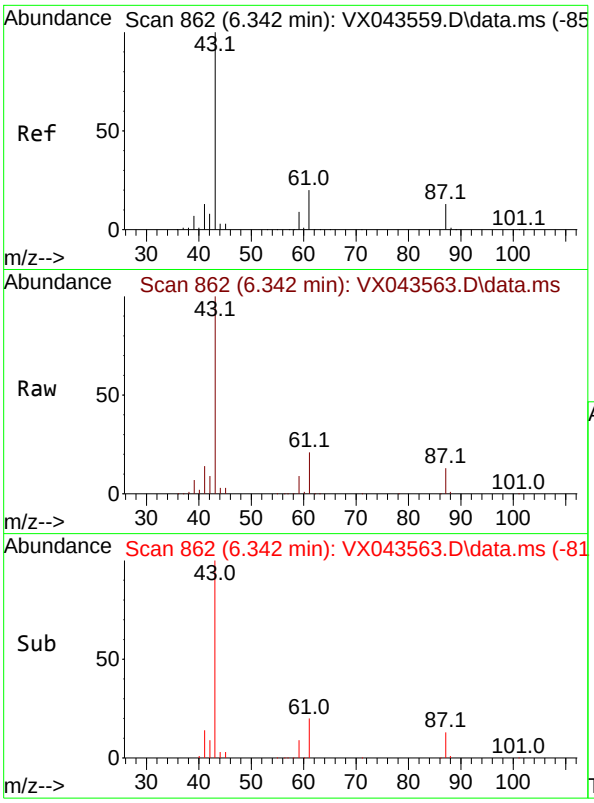


#42
1,2-Dichloroethane
Concen: 44.475 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 62 Resp: 137504

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





#43
Isopropyl Acetate
Concen: 45.049 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

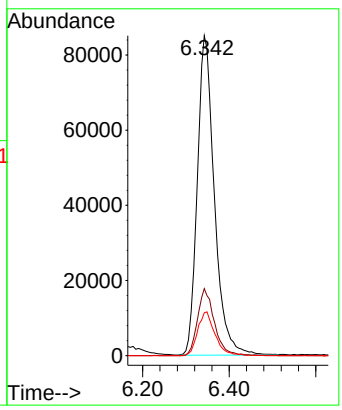
Tgt Ion: 43 Resp: 23316

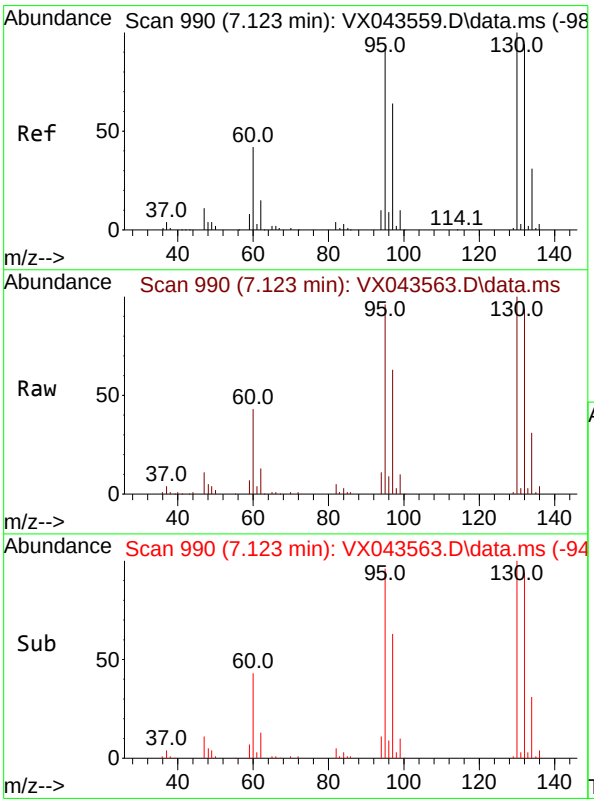
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.2	24.4
87	13.9	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

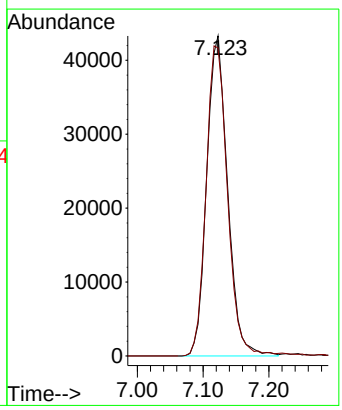


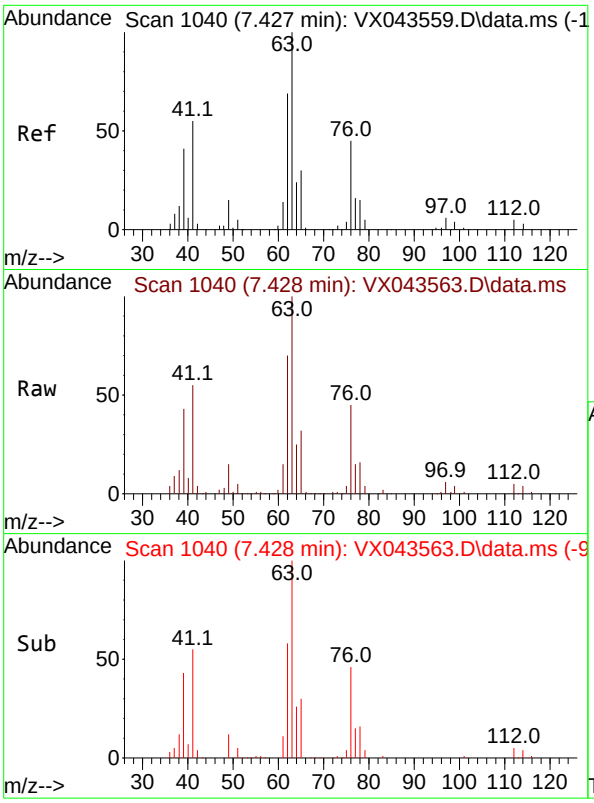


#44
Trichloroethene
Concen: 44.826 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:130 Resp: 95769

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.6





#45
1,2-Dichloropropane
Concen: 44.772 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

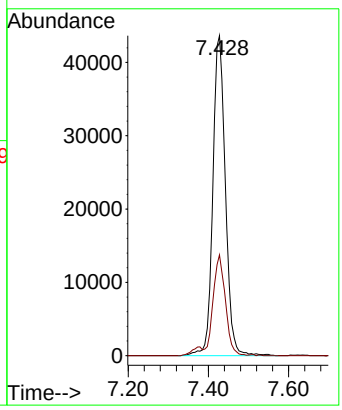
Tgt Ion: 63 Resp: 9480

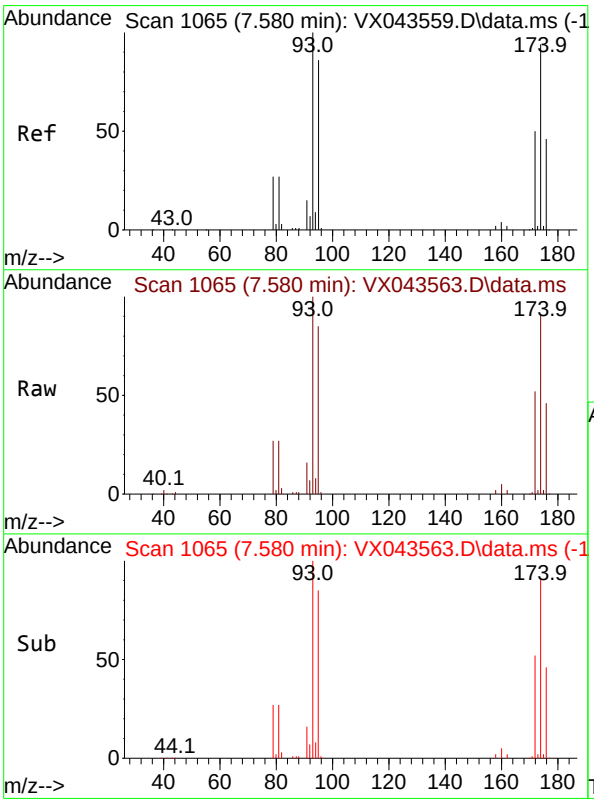
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

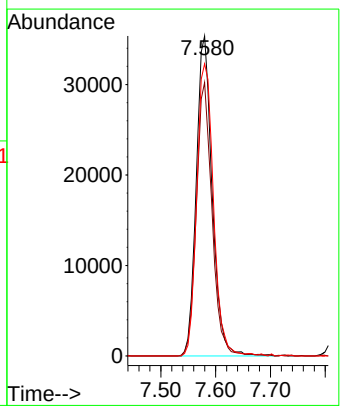


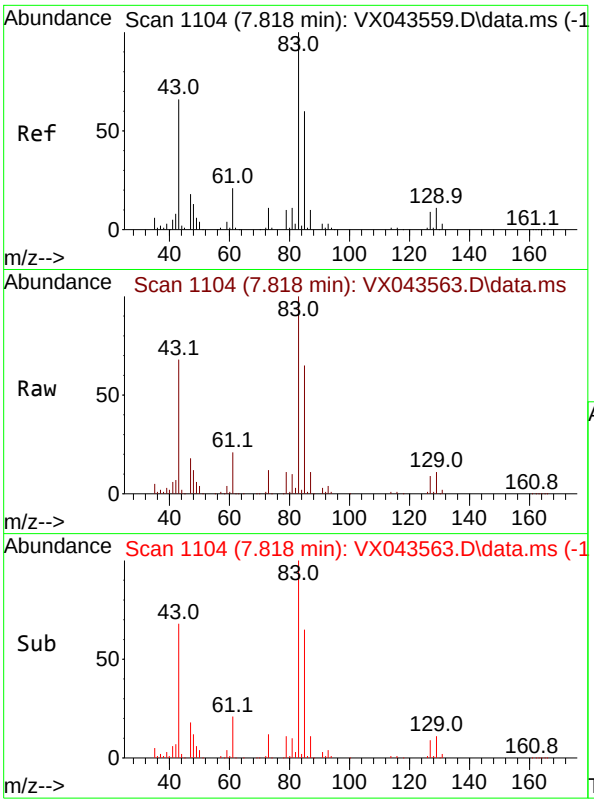


#46
Dibromomethane
Concen: 43.863 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 93 Resp: 71516

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	95.8	75.0	112.4





#47
Bromodichloromethane
Concen: 47.134 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

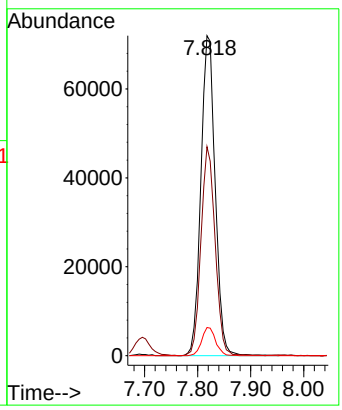
Tgt Ion: 83 Resp: 13481(

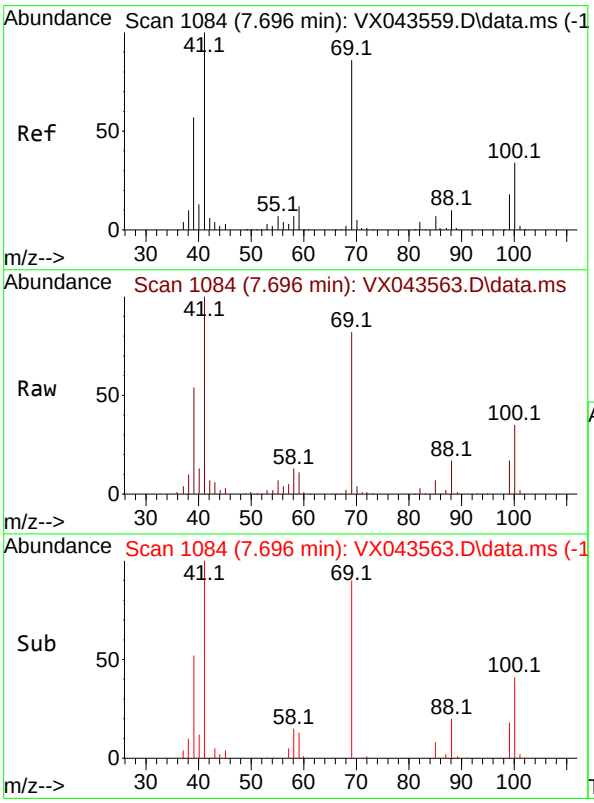
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	8.8	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

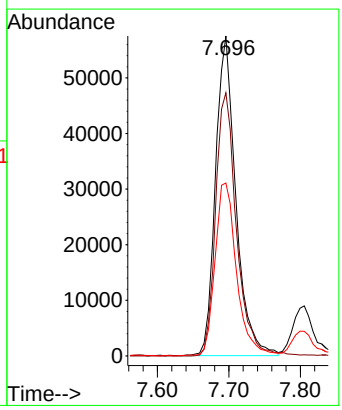


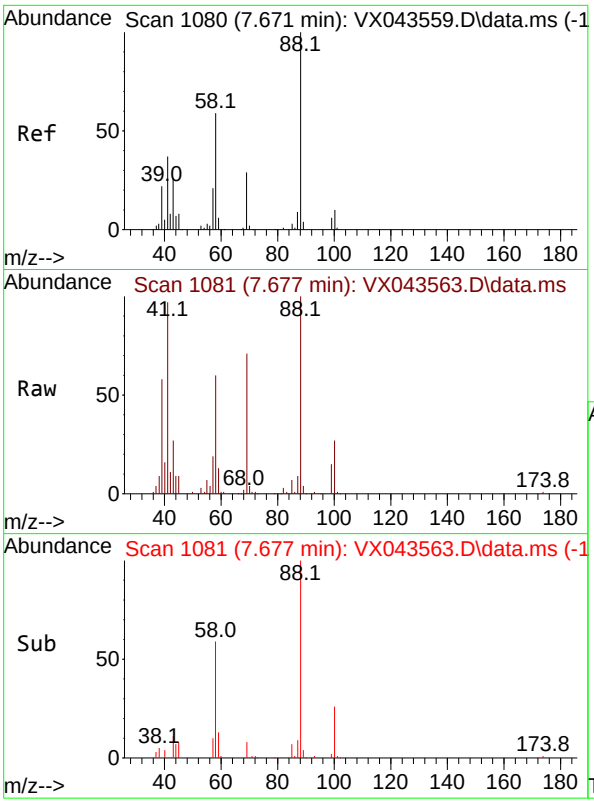


#48
Methyl methacrylate
Concen: 46.235 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 41 Resp: 113455

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.7	101.5
39	57.6	46.3	69.5

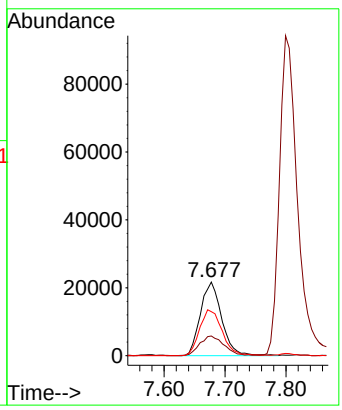




#49
1,4-Dioxane
Concen: 1047.352 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 88 Resp: 5280

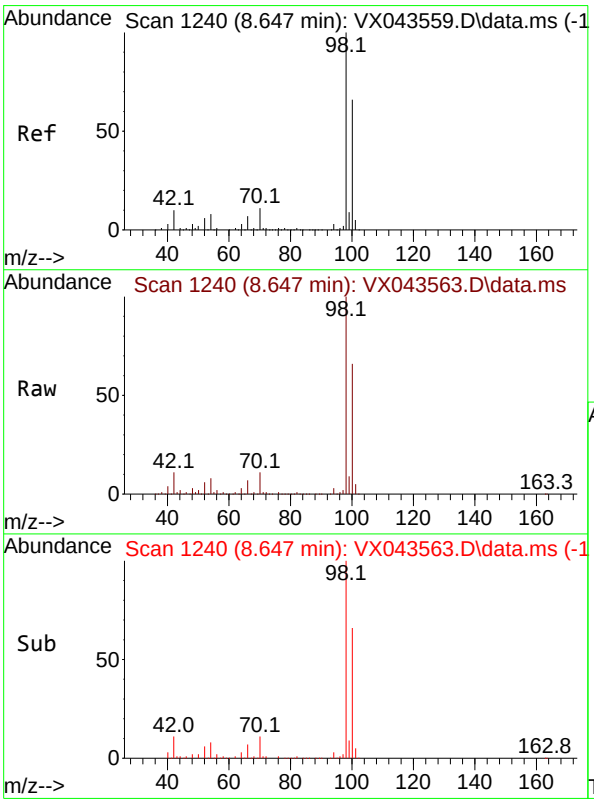
Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.3	37.9
58	66.0	53.9	80.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

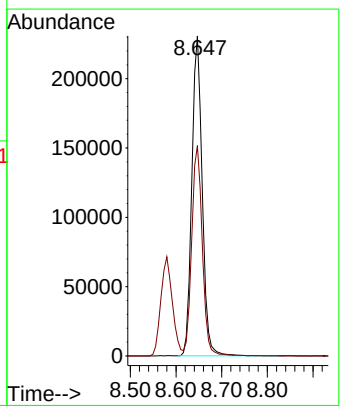
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

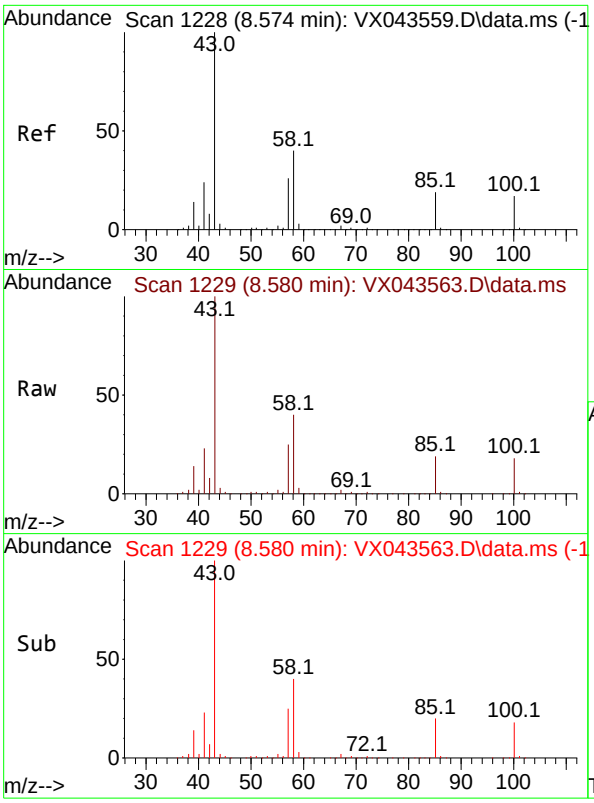


#50
Toluene-d8
Concen: 48.461 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 98 Resp: 364696

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2

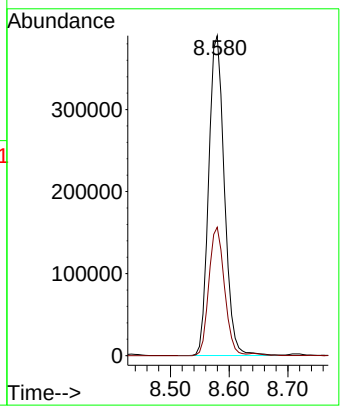




#51
4-Methyl-2-Pentanone
Concen: 229.383 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 72360

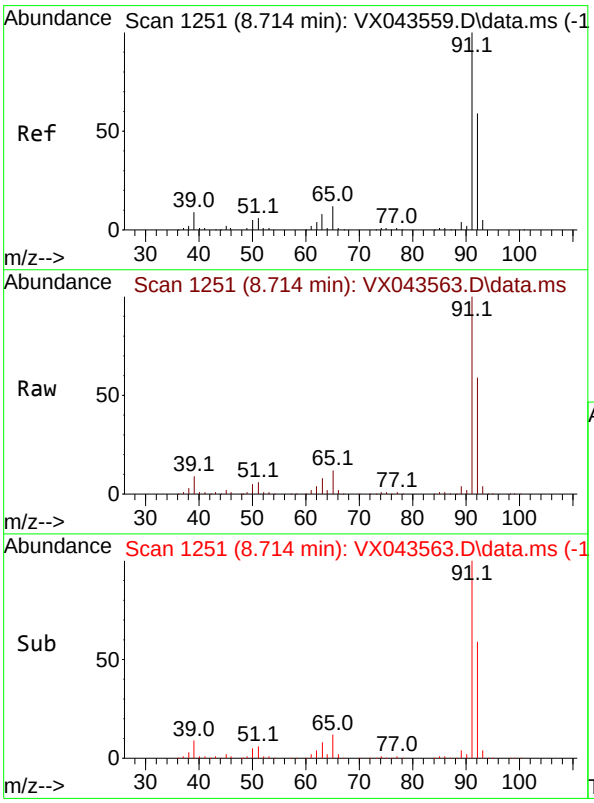
Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

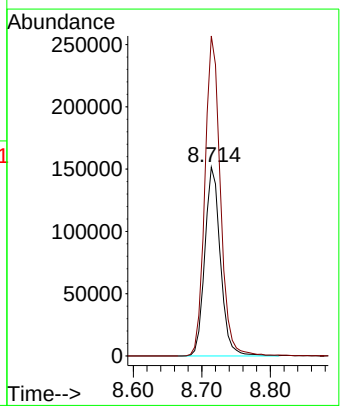
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

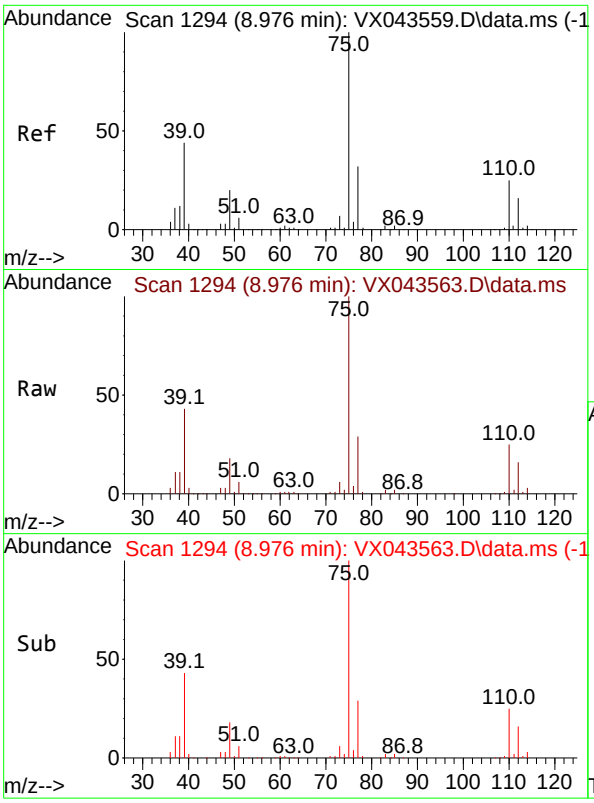


#52
Toluene
Concen: 46.000 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 92 Resp: 239913

Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.7	203.5

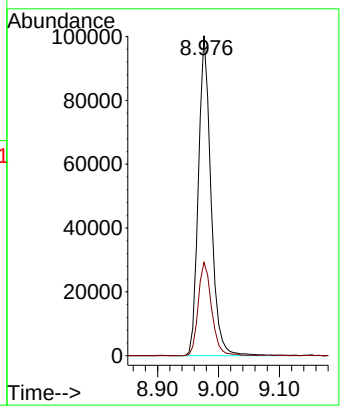




#53
t-1,3-Dichloropropene
Concen: 46.821 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 14384

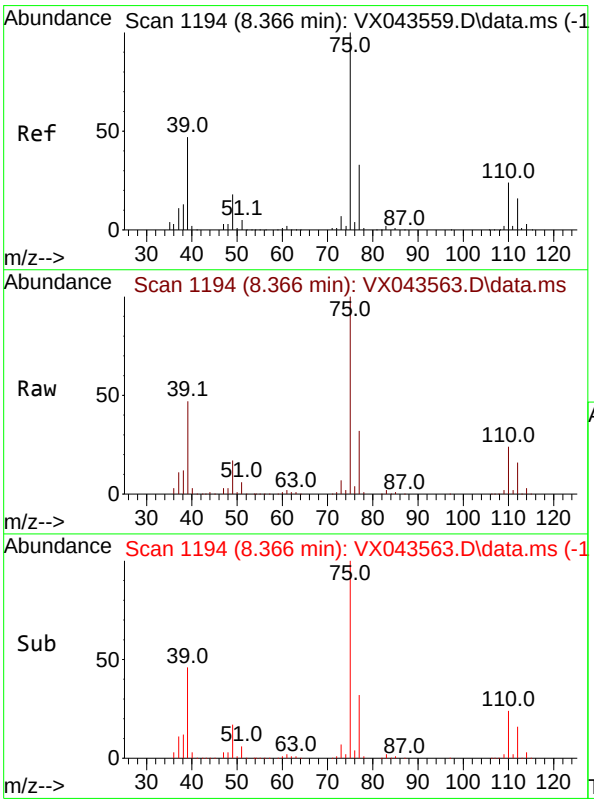
Ion	Ratio	Lower	Upper
75	100		
77	29.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

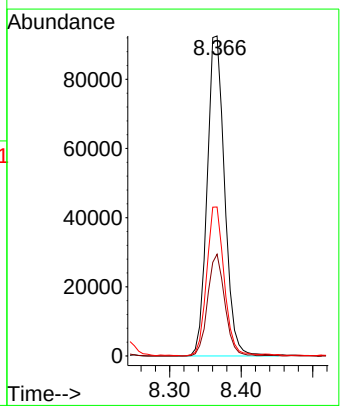
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

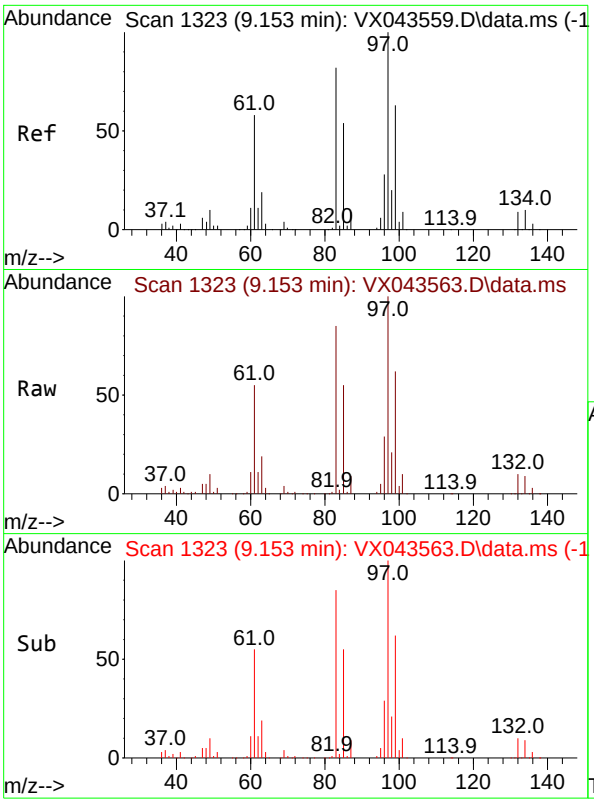


#54
cis-1,3-Dichloropropene
Concen: 47.945 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 156936

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	46.4	37.7	56.5

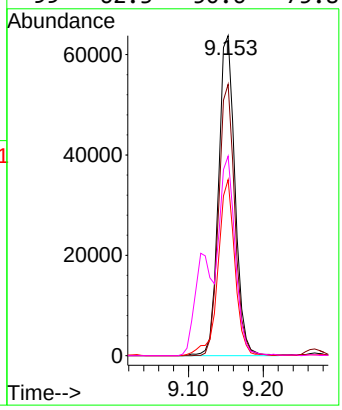




#55
1,1,2-Trichloroethane
Concen: 45.125 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 97 Resp: 9796

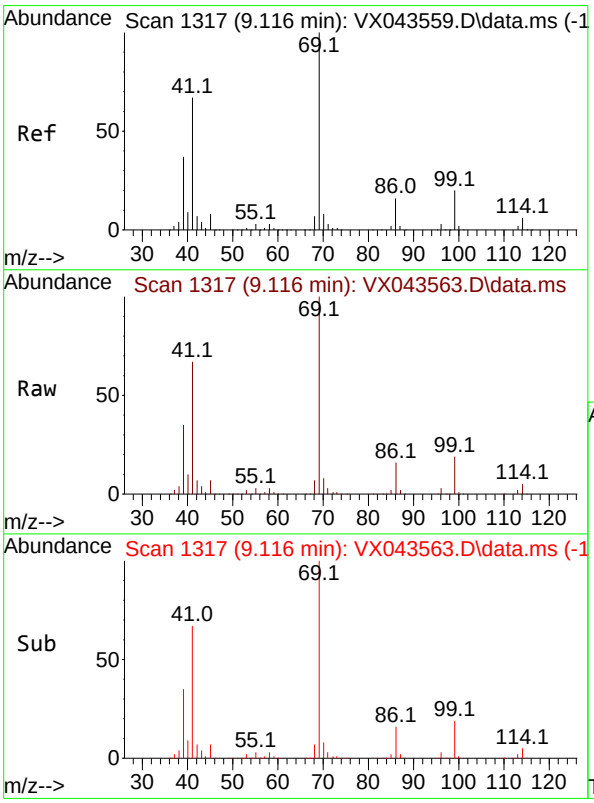
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.3	100.9
85	55.0	43.6	65.4
99	62.3	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

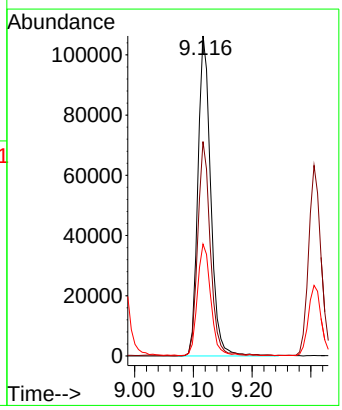
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

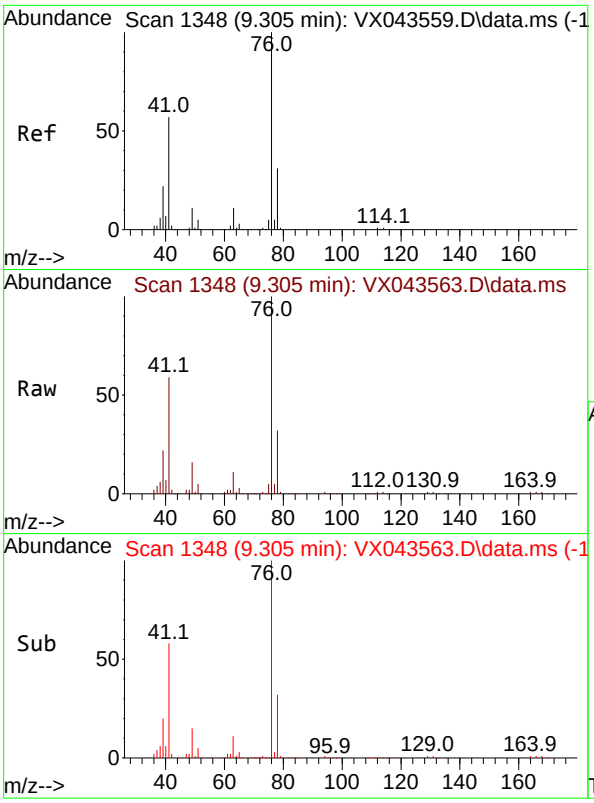


#56
Ethyl methacrylate
Concen: 45.728 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 69 Resp: 161309

Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.8	80.8
39	35.9	29.9	44.9

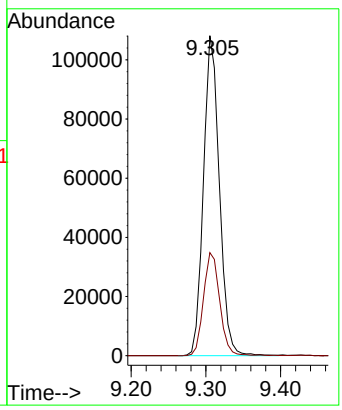




#57
1,3-Dichloropropane
Concen: 44.279 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 76 Resp: 15988

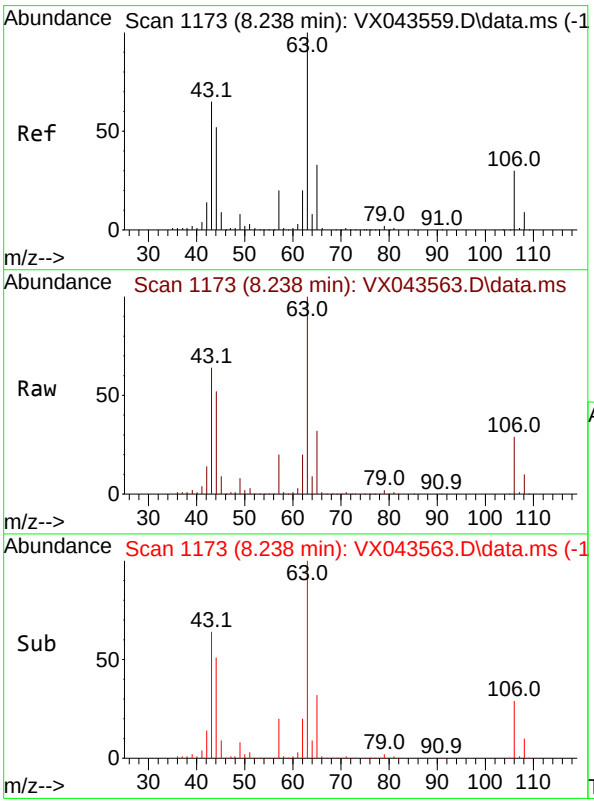
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

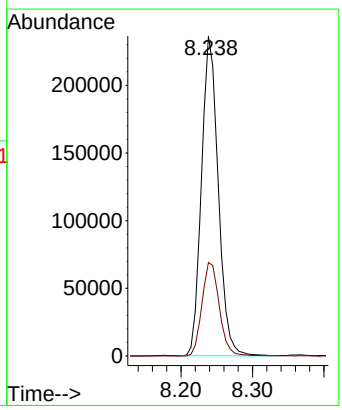
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

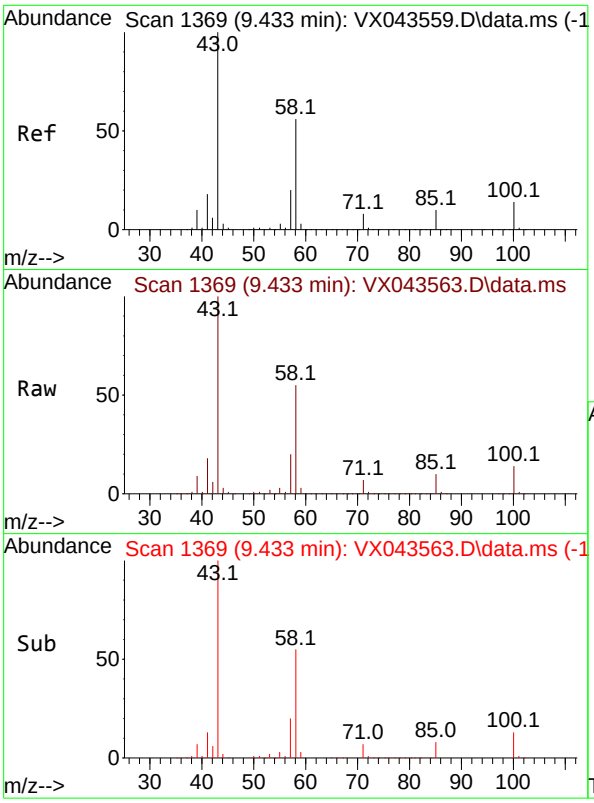


#58
2-Chloroethyl Vinyl ether
Concen: 225.175 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 63 Resp: 384698

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.6	35.4





#59
2-Hexanone
Concen: 230.086 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

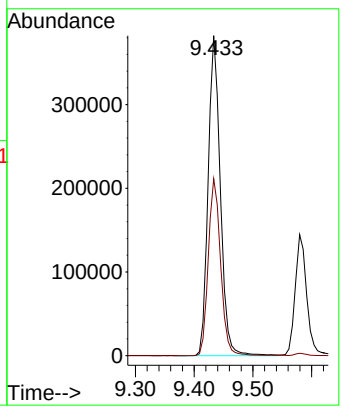
Tgt Ion: 43 Resp: 55126

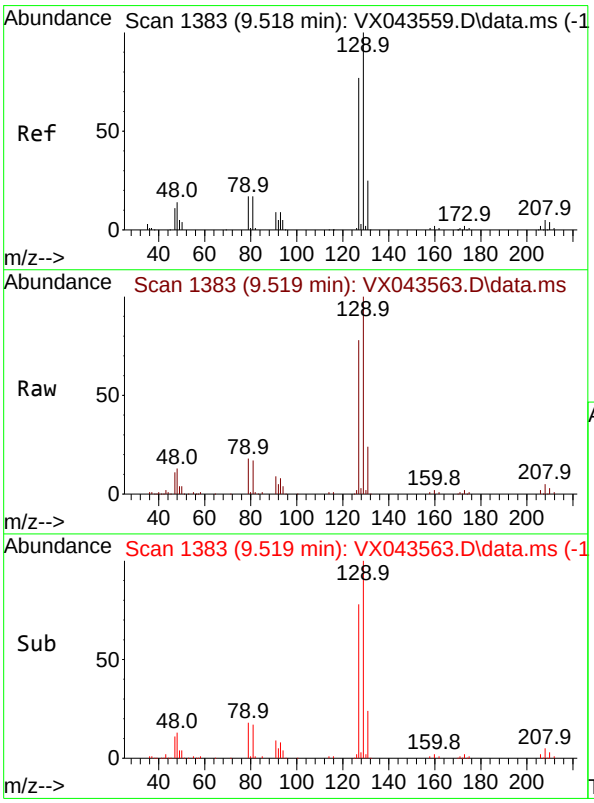
Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

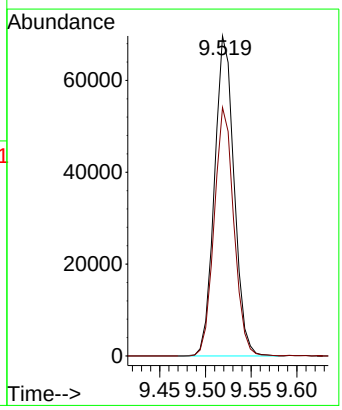


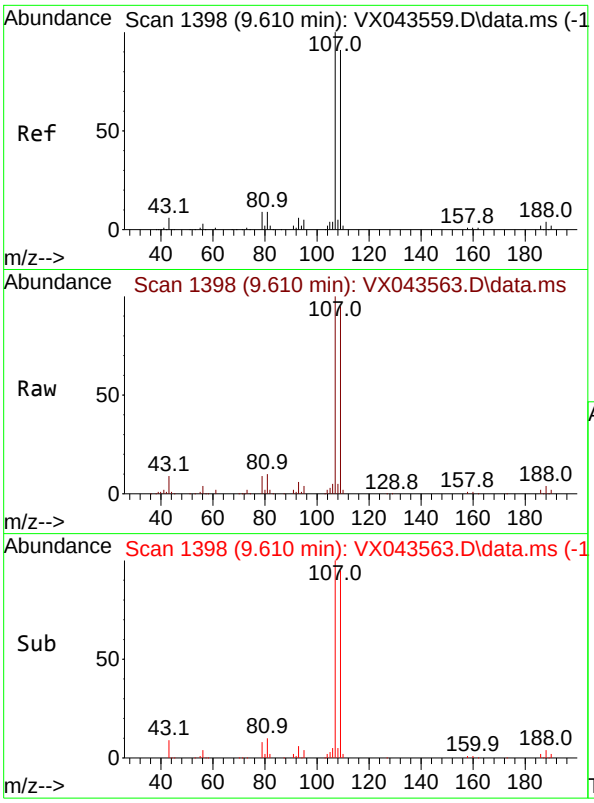


#60
Dibromochloromethane
Concen: 48.399 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:129 Resp: 104046

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1

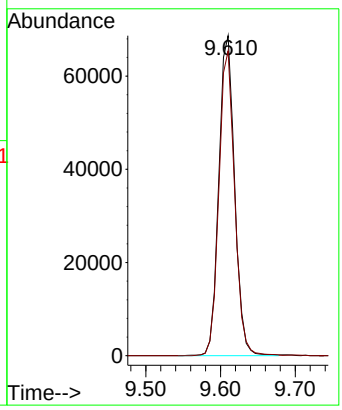




#61
1,2-Dibromoethane
Concen: 44.841 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:107 Resp: 10105

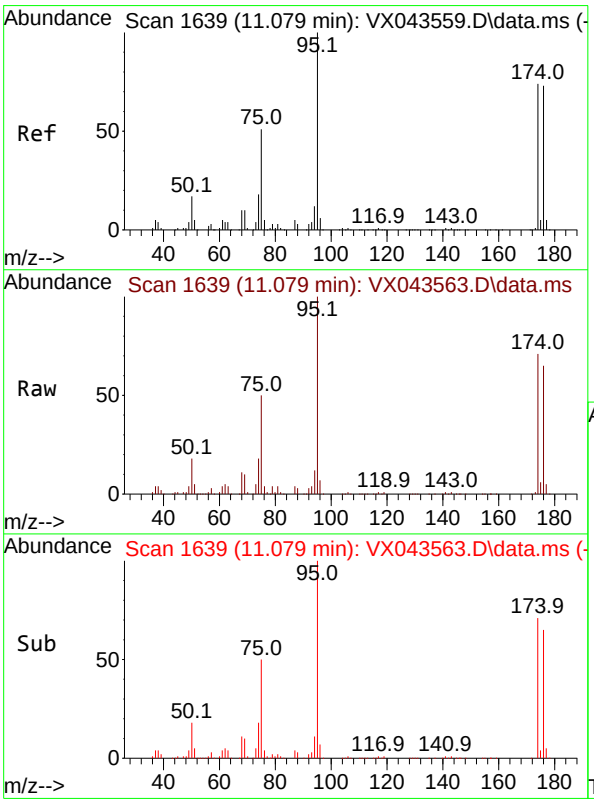
Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

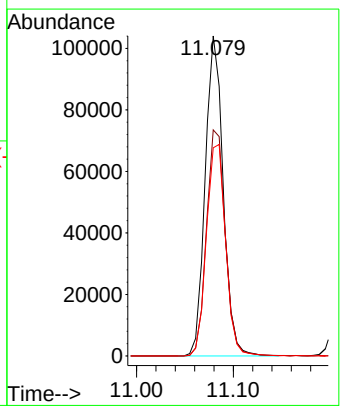
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

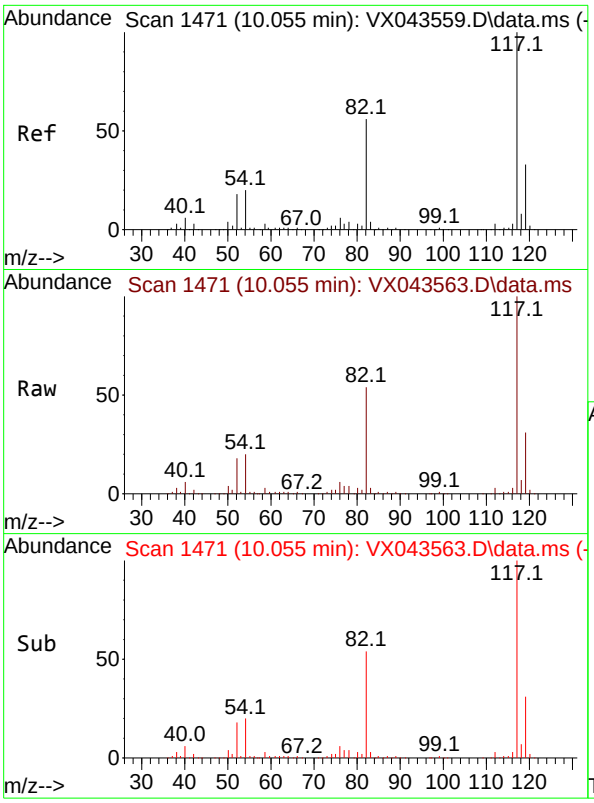


#62
4-Bromofluorobenzene
Concen: 48.327 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 95 Resp: 134767

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	146.6
176	70.6	0.0	139.6

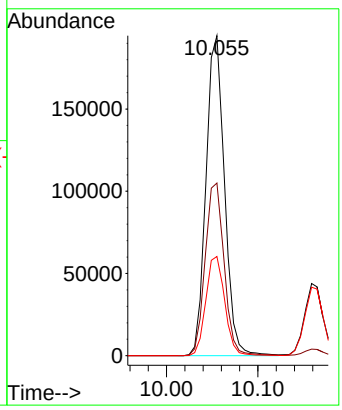




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:117 Resp: 27328

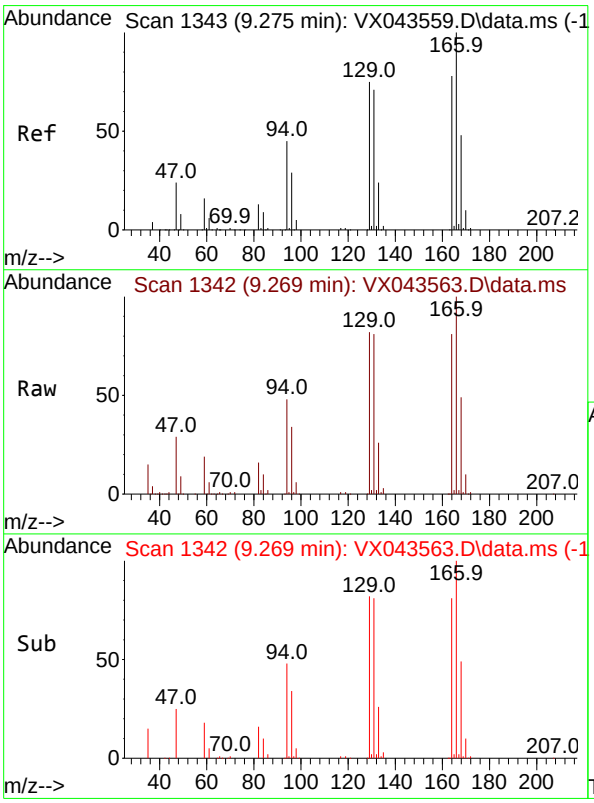
Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.1	63.1
119	31.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

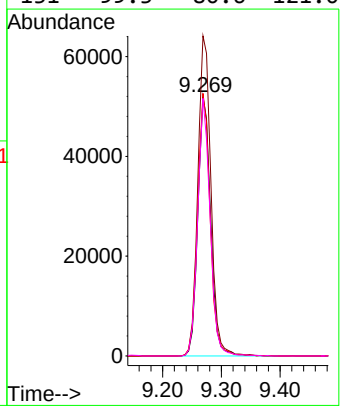
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

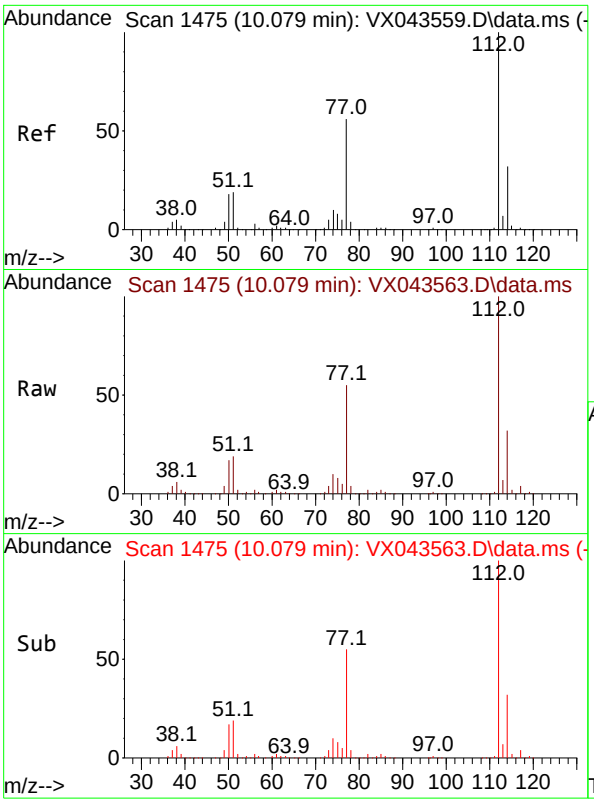


#64
Tetrachloroethene
Concen: 45.765 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:164 Resp: 78661

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.8	155.6
129	101.2	83.8	125.6
131	99.3	80.6	121.0





#65
Chlorobenzene
Concen: 45.479 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

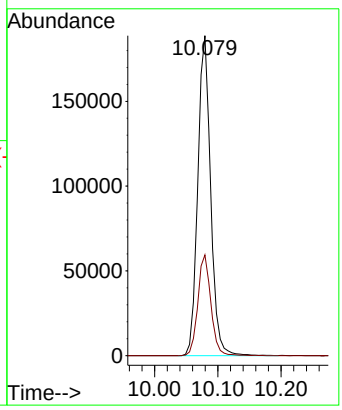
Tgt Ion:112 Resp: 26738

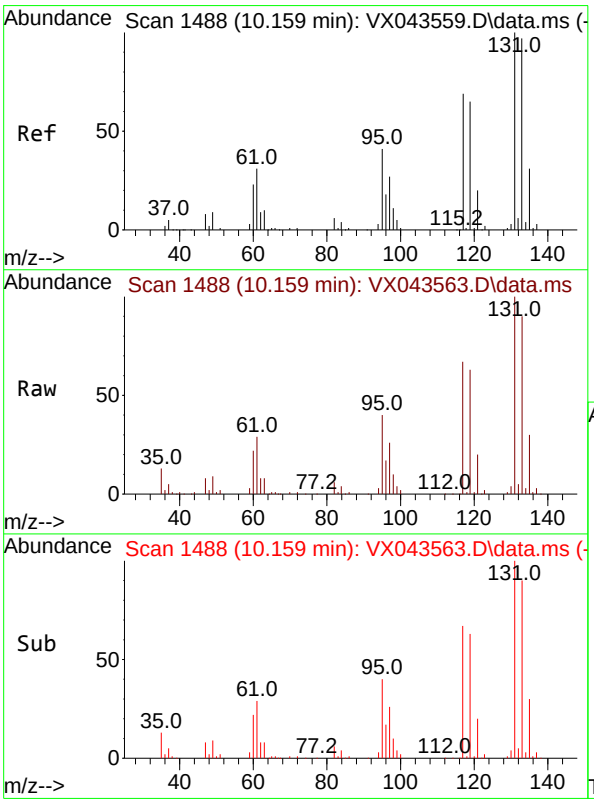
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

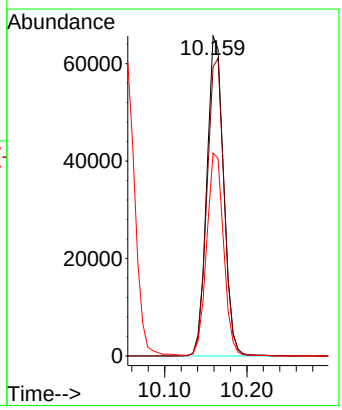


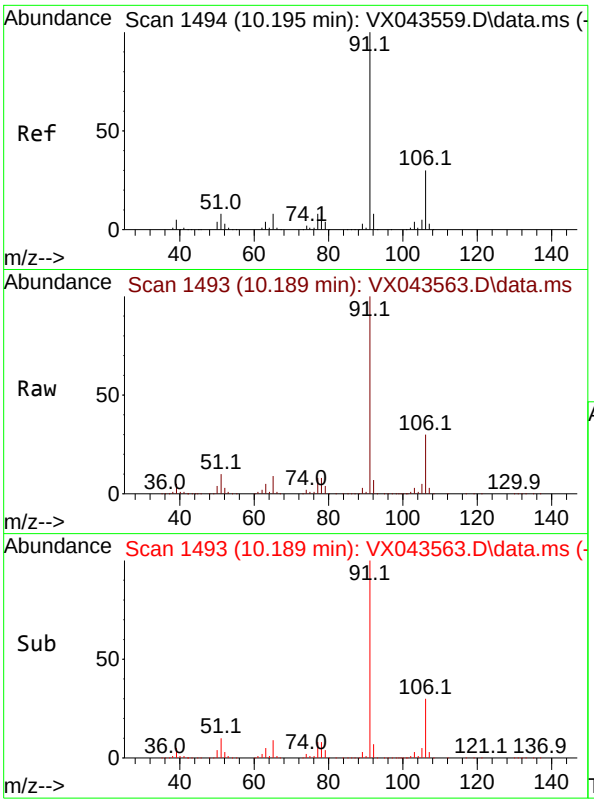


#66
1,1,1,2-Tetrachloroethane
Concen: 48.543 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:131 Resp: 93224

Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.0	144.0
119	63.9	32.3	96.9

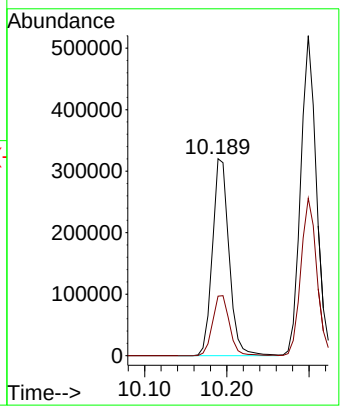




#67
Ethyl Benzene
Concen: 46.977 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 45037

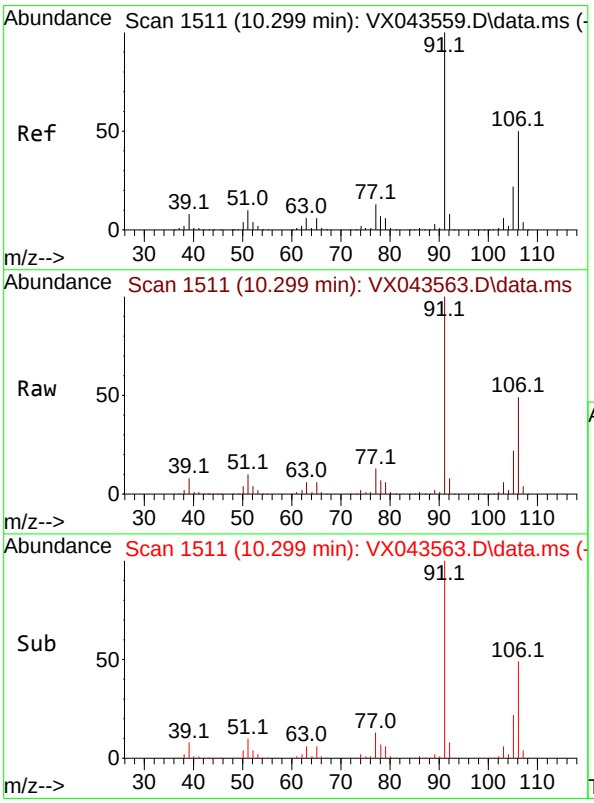
Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

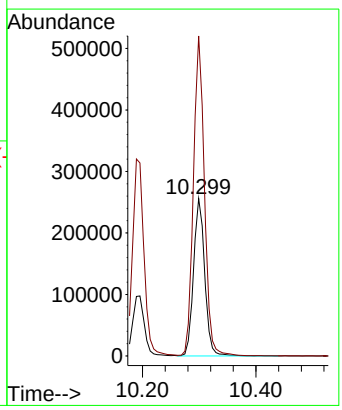
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

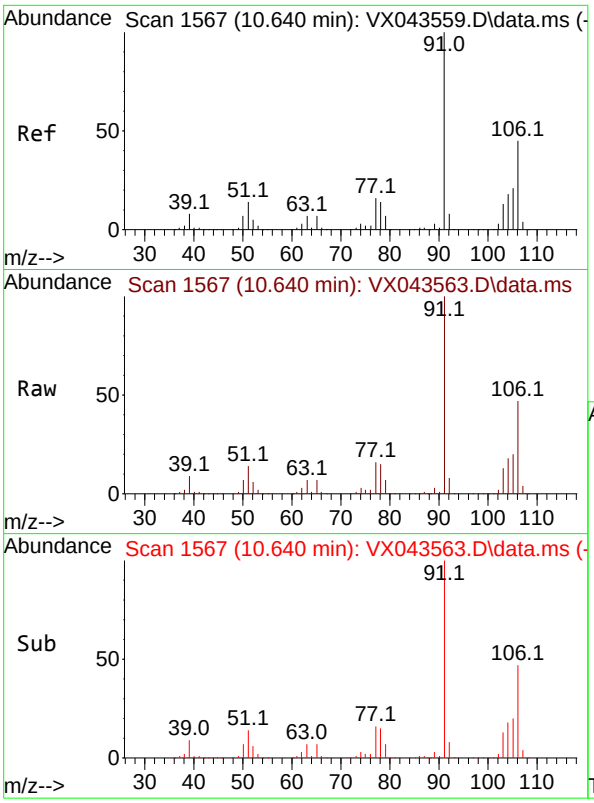


#68
m/p-Xylenes
Concen: 95.253 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:106 Resp: 349227

Ion	Ratio	Lower	Upper
106	100		
91	200.6	164.7	247.1





#69
o-Xylene
Concen: 47.523 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

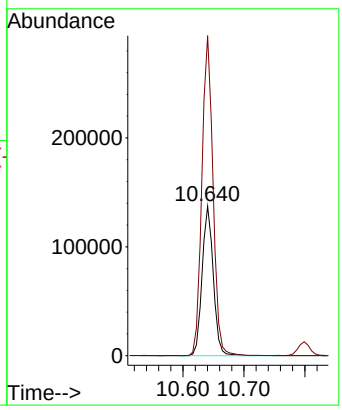
Tgt Ion:106 Resp: 17505

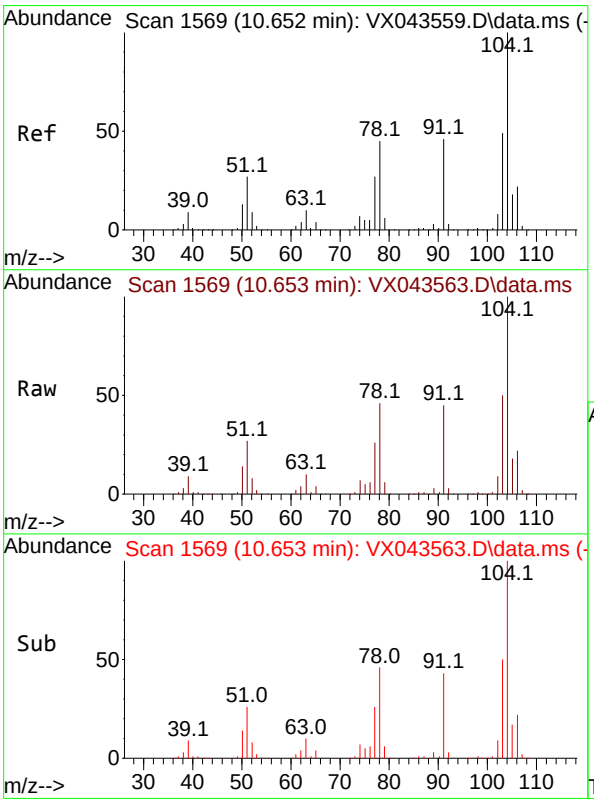
Ion	Ratio	Lower	Upper
106	100		
91	213.6	107.9	323.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

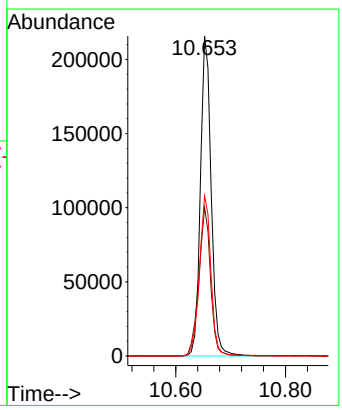


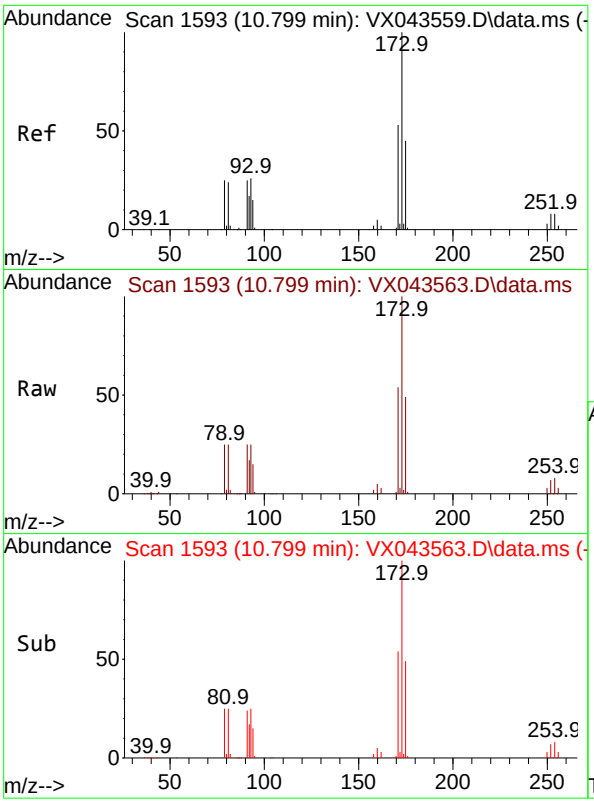


#70
Styrene
Concen: 48.130 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:104 Resp: 294680

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.0	60.0
103	53.6	43.4	65.0

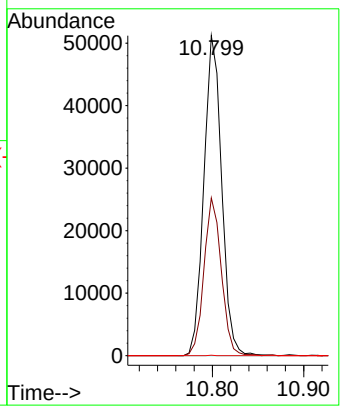




#71
Bromoform
Concen: 50.009 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:173 Resp: 6905

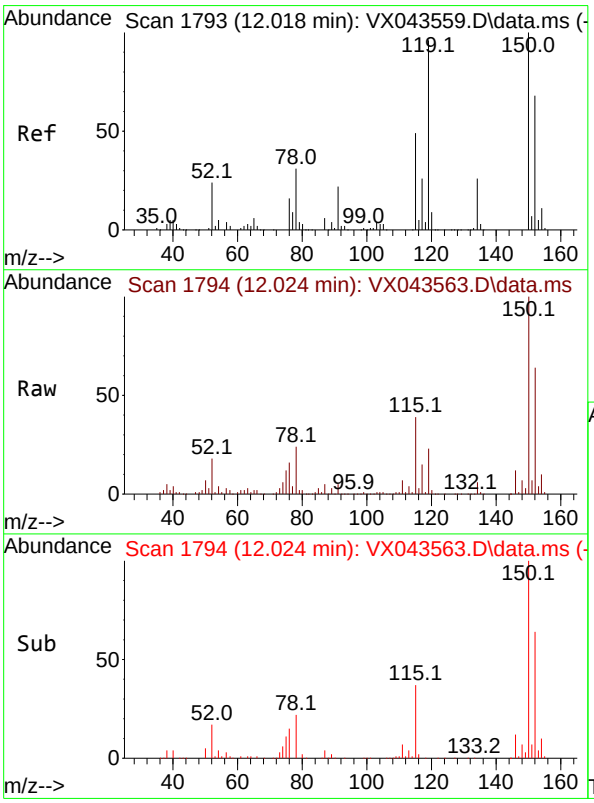
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

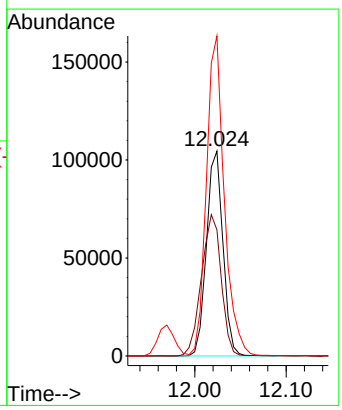
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

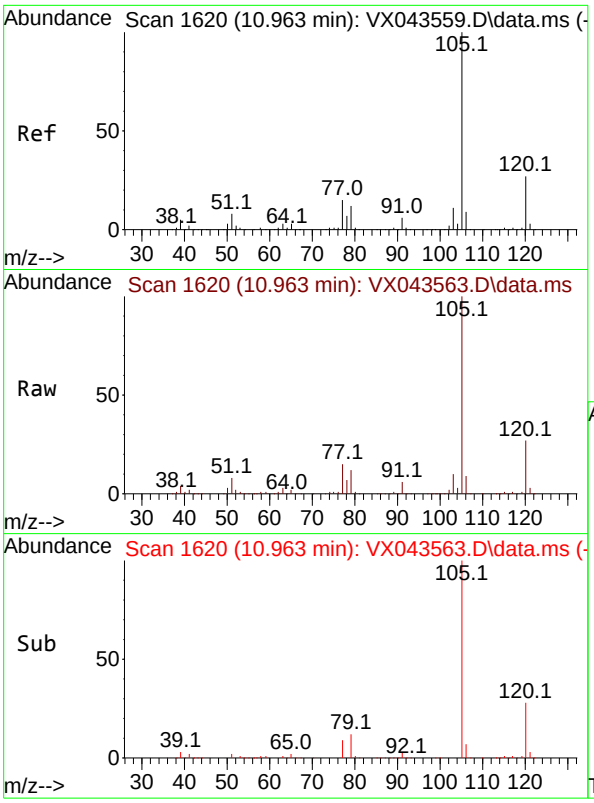


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:152 Resp: 130429

Ion	Ratio	Lower	Upper
152	100		
115	82.9	42.9	128.7
150	169.1	0.0	343.6





#73
Isopropylbenzene
Concen: 47.005 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

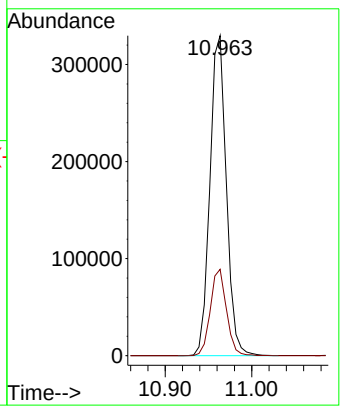
Tgt Ion:105 Resp: 43428

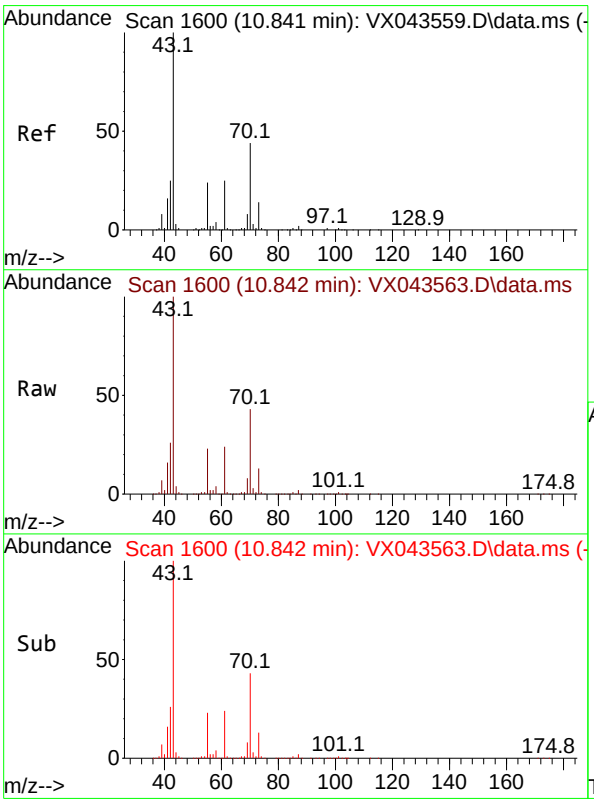
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

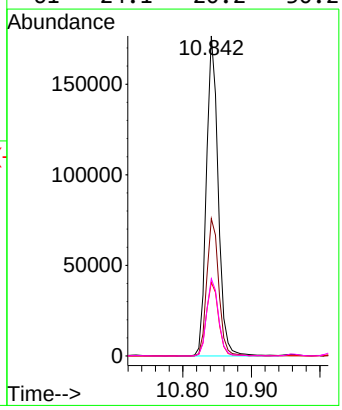


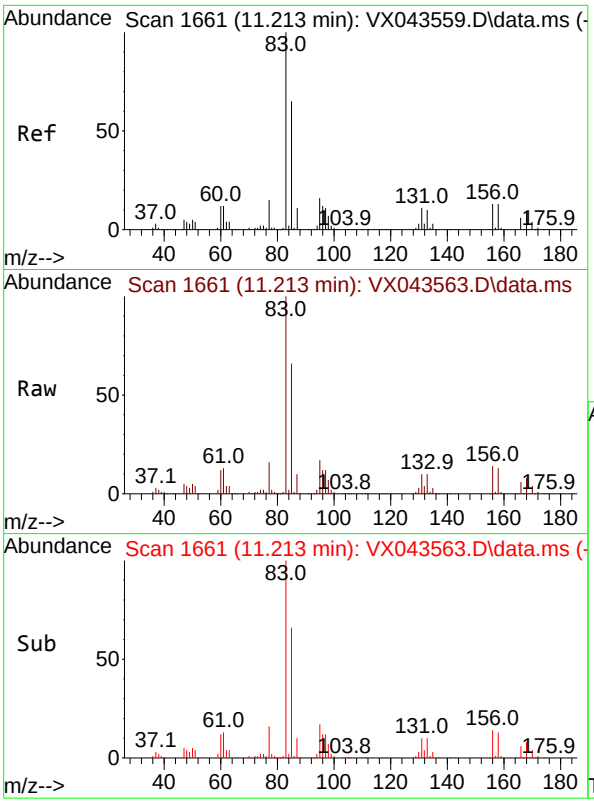


#74
N-amyl acetate
Concen: 47.145 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 212192

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	52.0
55	23.5	19.6	29.4
61	24.1	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 45.712 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

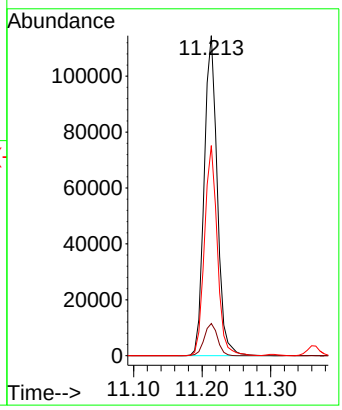
Tgt Ion: 83 Resp: 15187

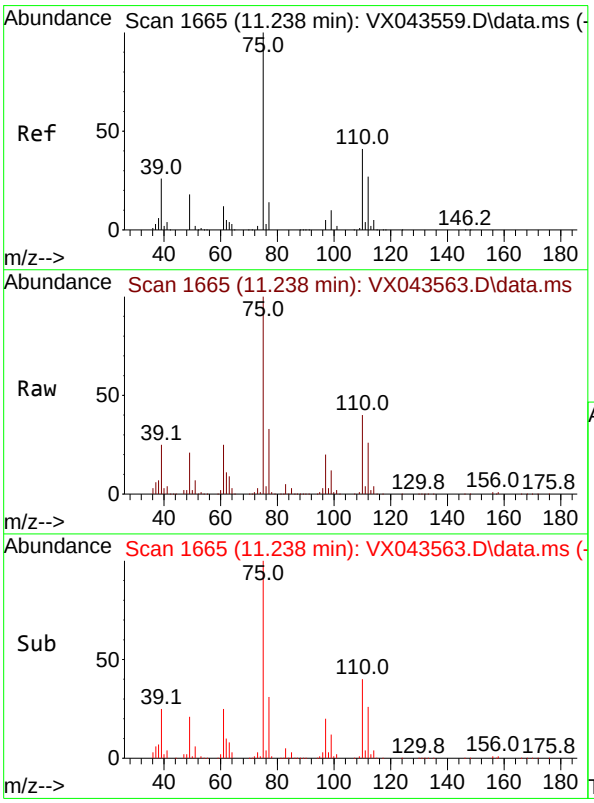
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.5	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

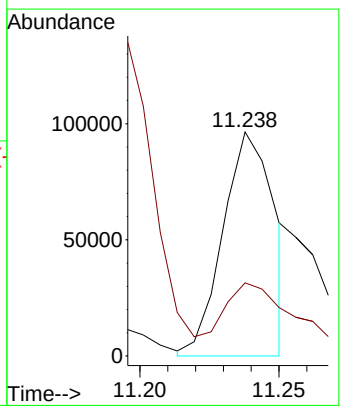


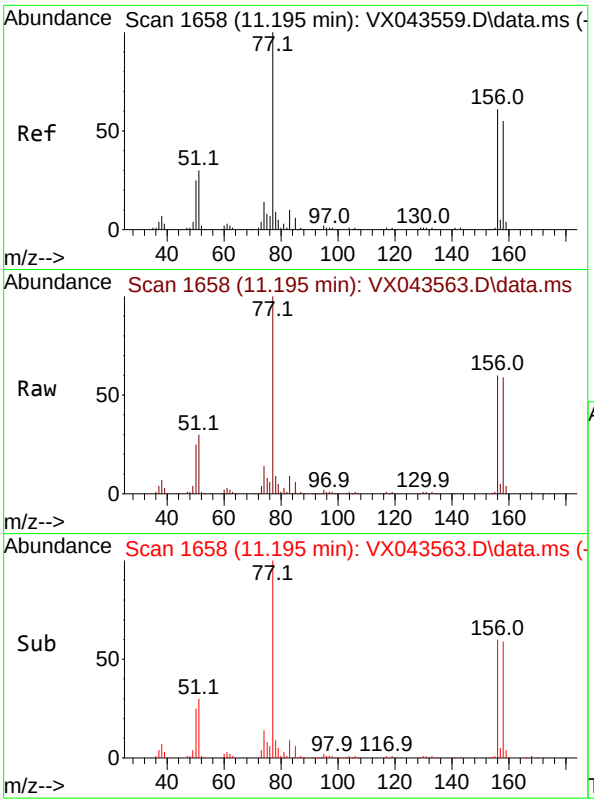


#76
1,2,3-Trichloropropane
Concen: 44.275 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 123473

Ion	Ratio	Lower	Upper
75	100		
77	46.9	22.4	67.2





#77
Bromobenzene
Concen: 45.472 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

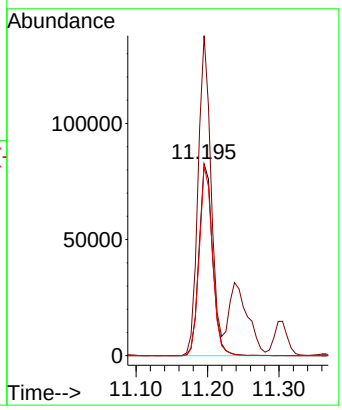
Tgt Ion:156 Resp: 10848

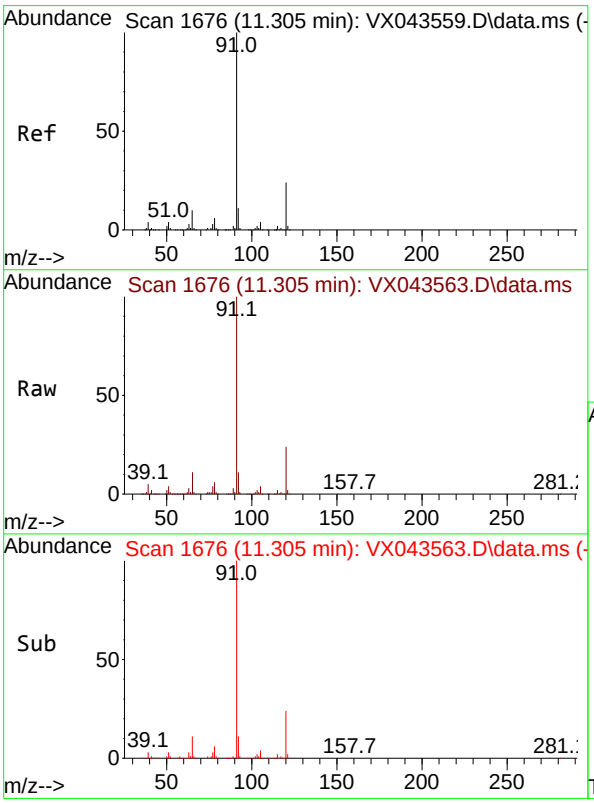
Ion	Ratio	Lower	Upper
156	100		
77	159.4	79.7	239.1
158	97.1	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

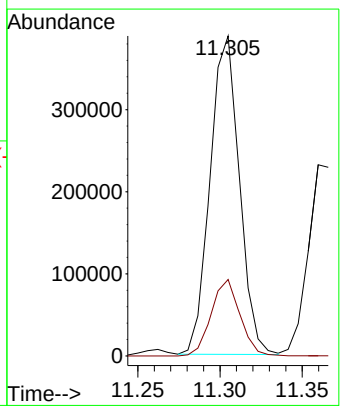


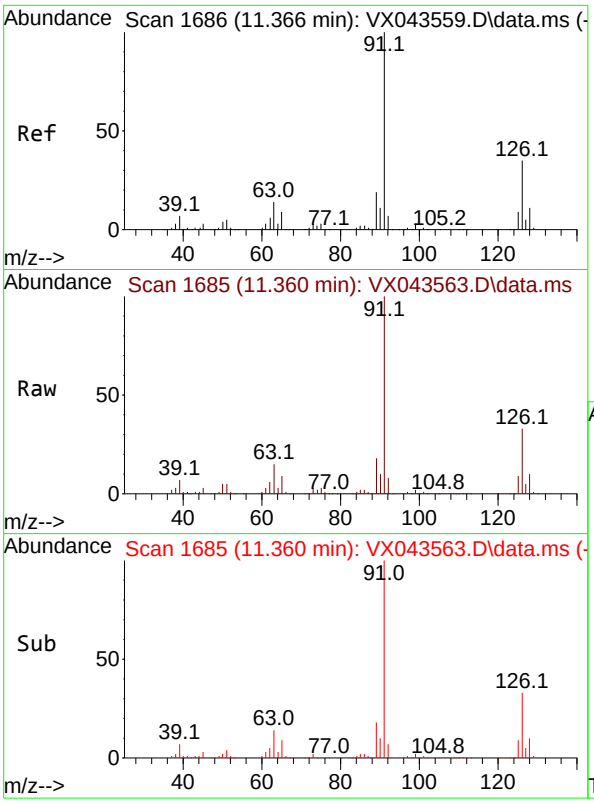


#78
n-propylbenzene
Concen: 47.669 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 480204

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.7





#79
2-Chlorotoluene
Concen: 45.500 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

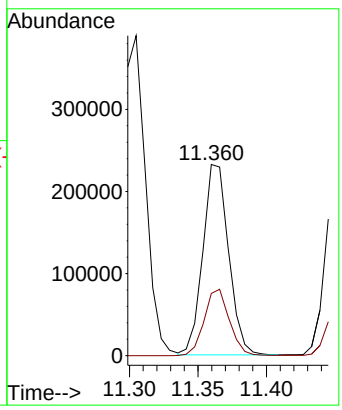
Tgt Ion: 91 Resp: 30393

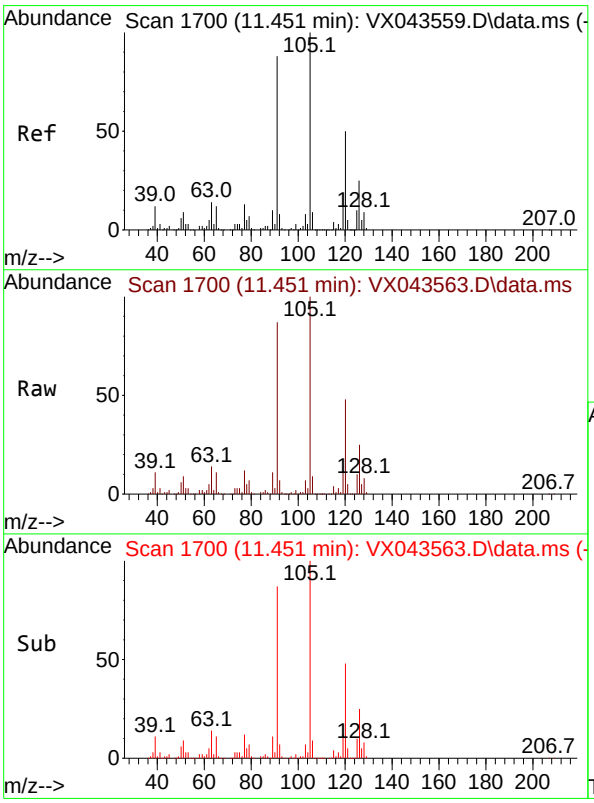
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

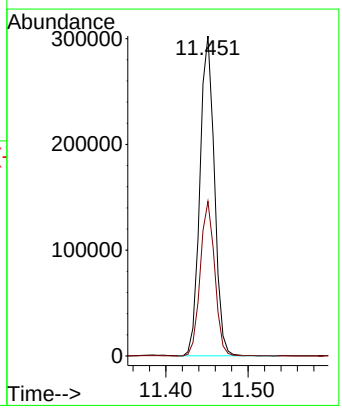


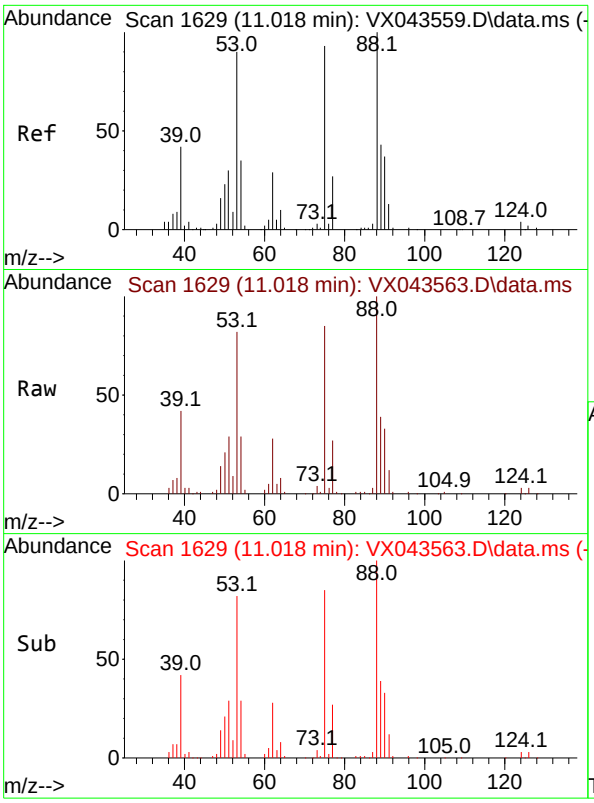


#80
1,3,5-Trimethylbenzene
Concen: 48.003 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:105 Resp: 369790

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.126 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

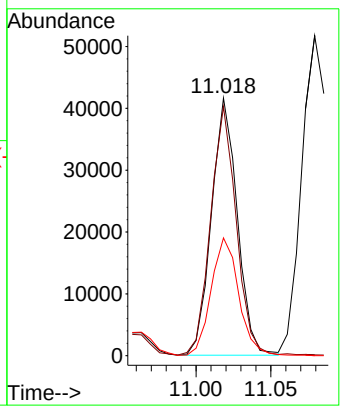
Tgt Ion: 75 Resp: 4979

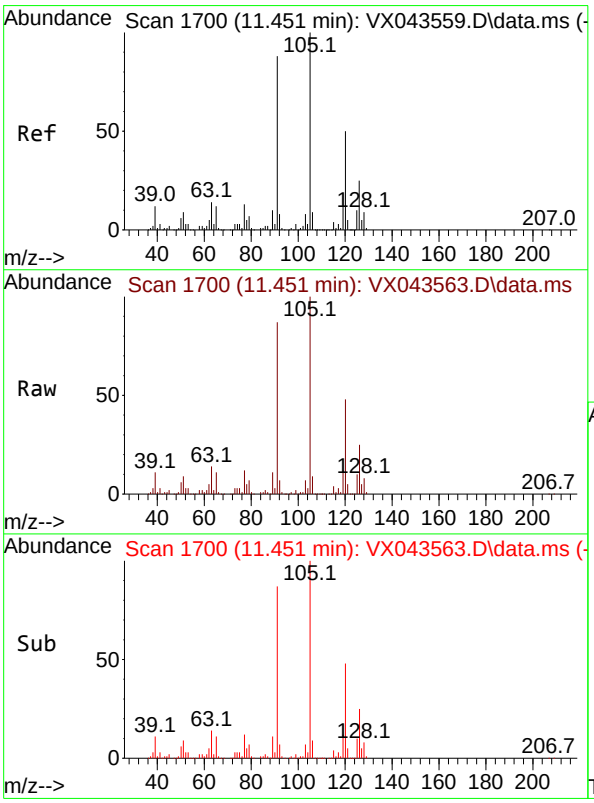
Ion	Ratio	Lower	Upper
75	100		
53	97.3	84.6	126.8
89	49.2	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

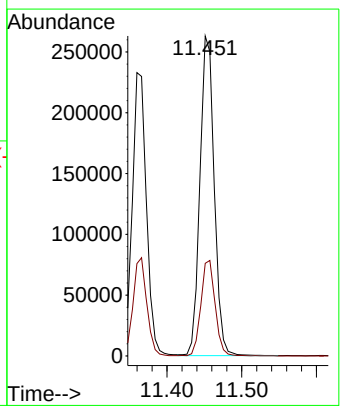


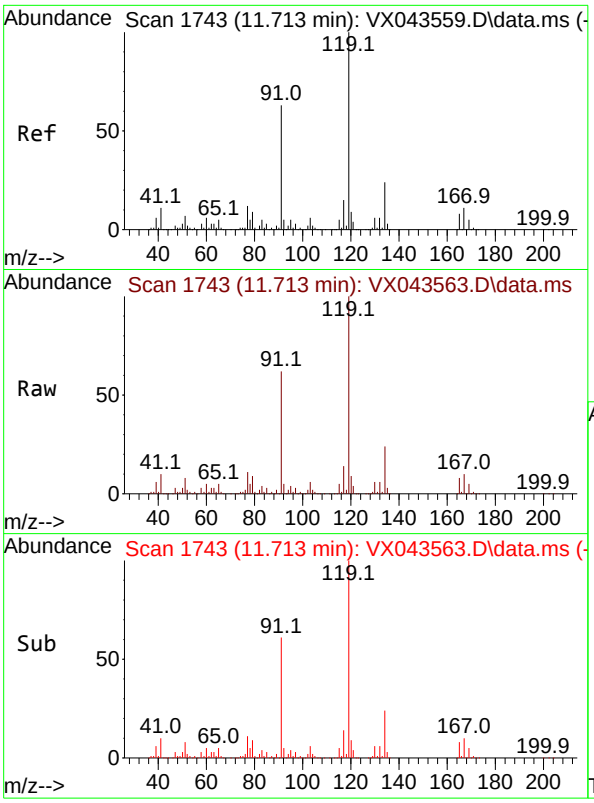


#82
4-Chlorotoluene
Concen: 46.508 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 348692

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.2	42.8

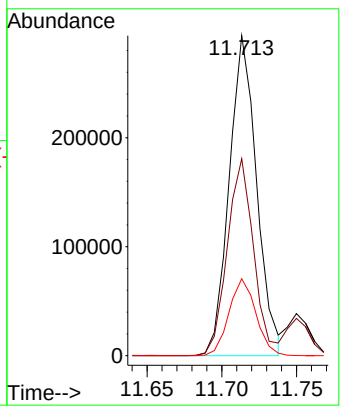




#83
tert-Butylbenzene
Concen: 47.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:119 Resp: 37549

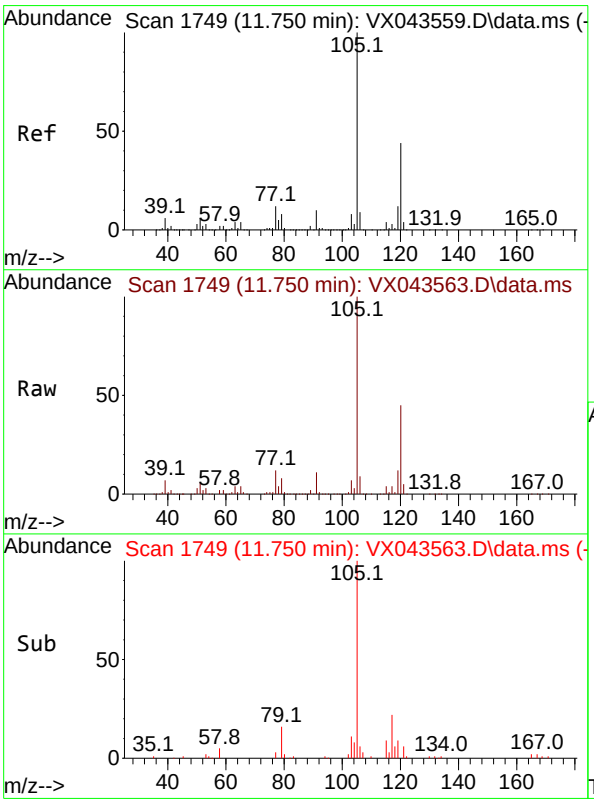
Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.5	88.5
134	23.6	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

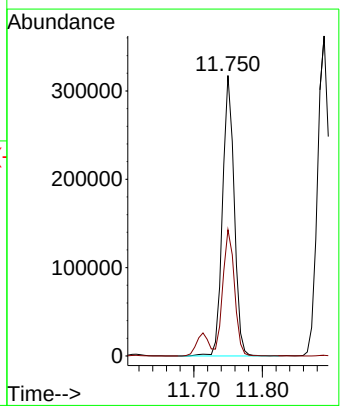
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

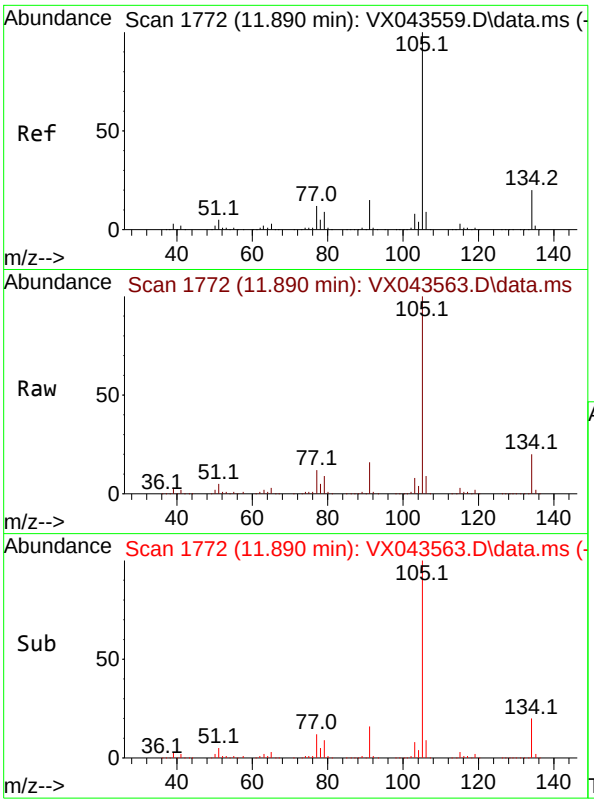


#84
1,2,4-Trimethylbenzene
Concen: 47.450 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:105 Resp: 372516

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1

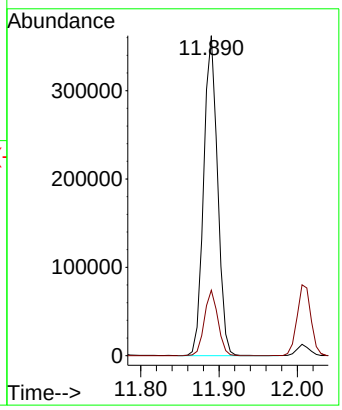




#85
sec-Butylbenzene
Concen: 48.384 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:105 Resp: 44431

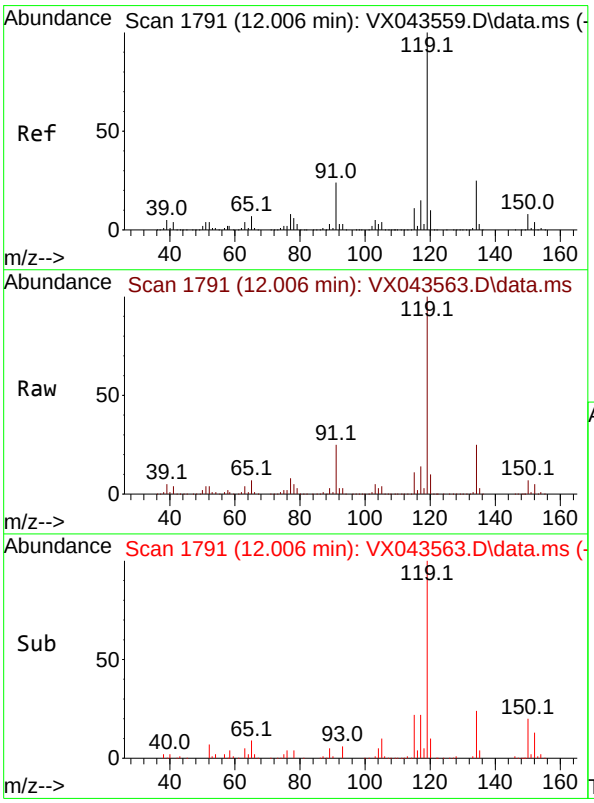
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

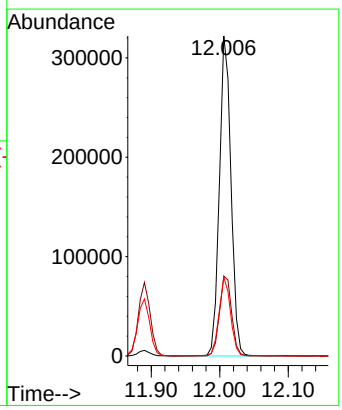
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

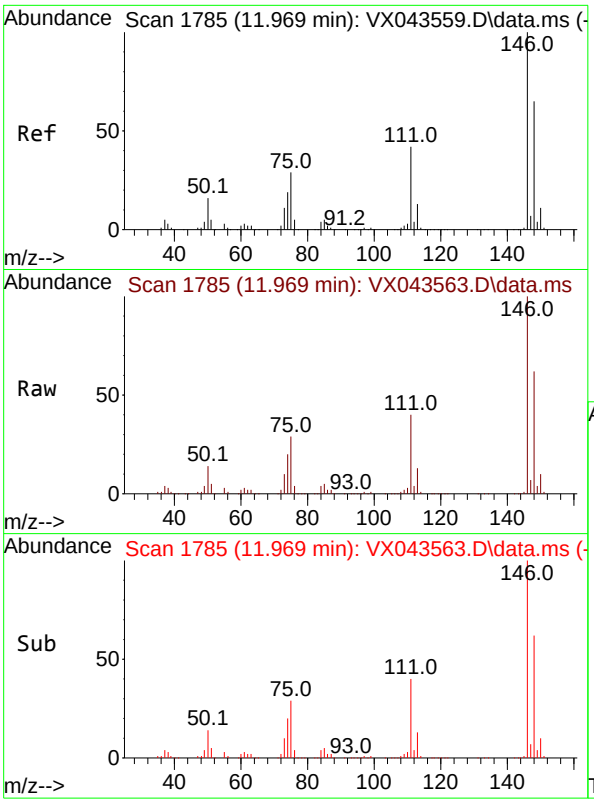


#86
p-Isopropyltoluene
Concen: 48.310 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:119 Resp: 377100

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	24.3	12.4	37.0

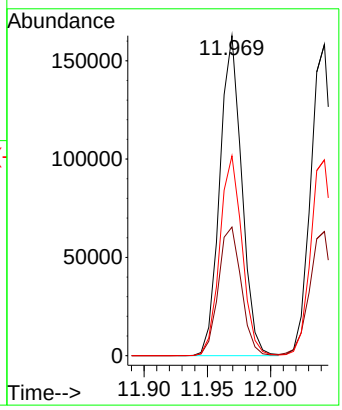




#87
1,3-Dichlorobenzene
Concen: 45.977 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:146 Resp: 19659

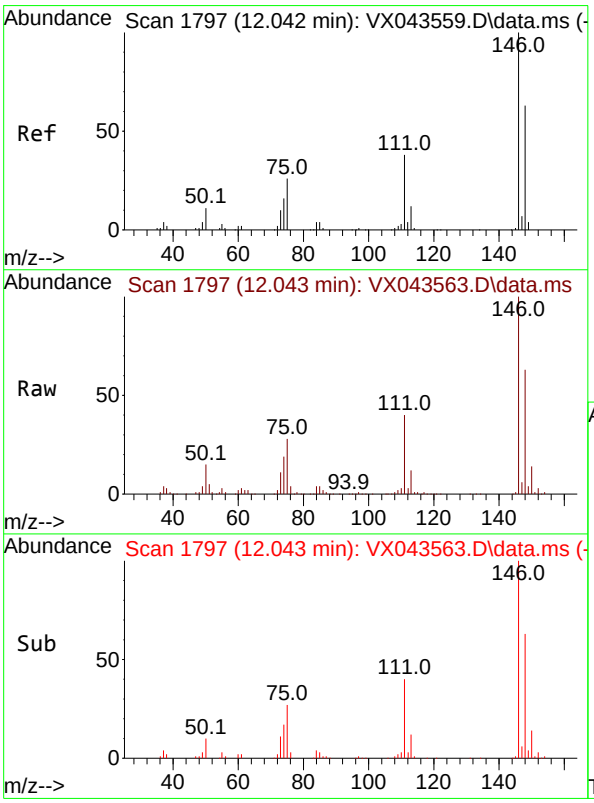
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	63.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

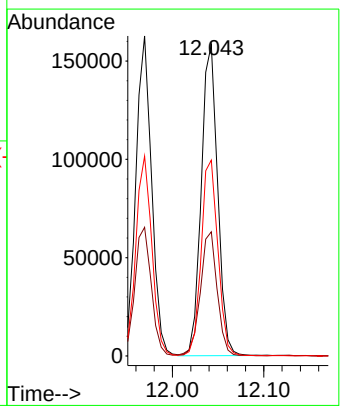
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

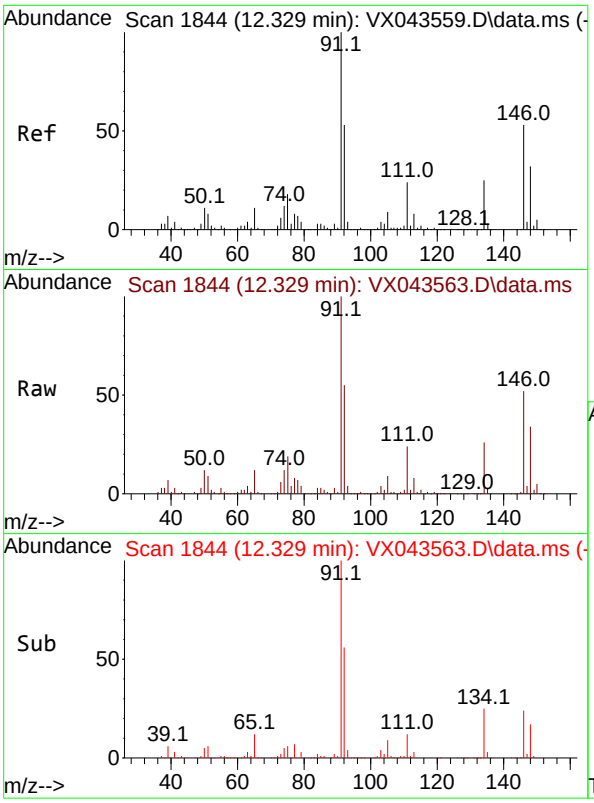


#88
1,4-Dichlorobenzene
Concen: 44.556 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:146 Resp: 197418

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	64.1	31.9	95.9

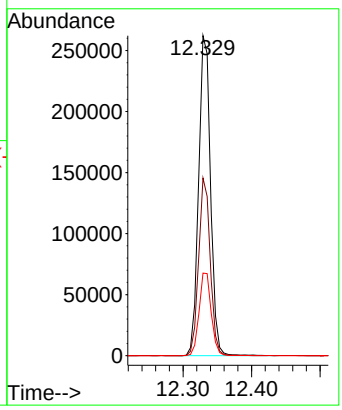




#89
n-Butylbenzene
Concen: 49.987 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 31794

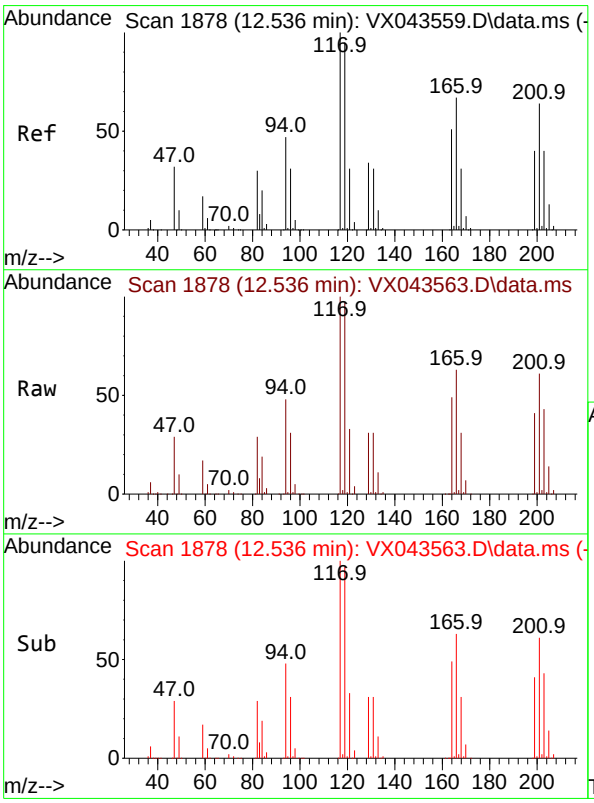
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	26.3	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

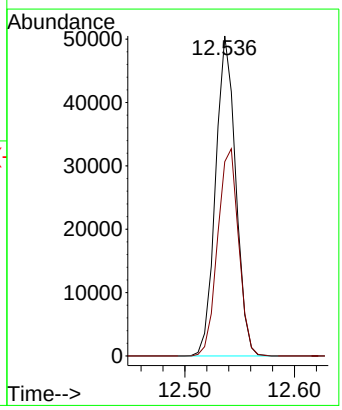
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

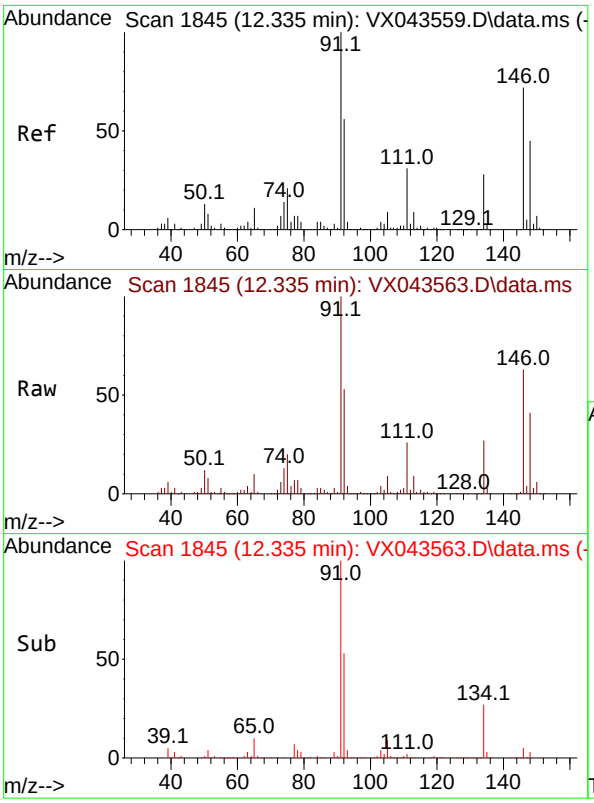


#90
Hexachloroethane
Concen: 50.825 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:117 Resp: 64443

Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.9	98.7

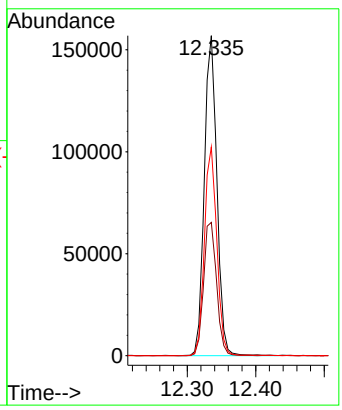




#91
1,2-Dichlorobenzene
Concen: 45.901 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:146 Resp: 20070

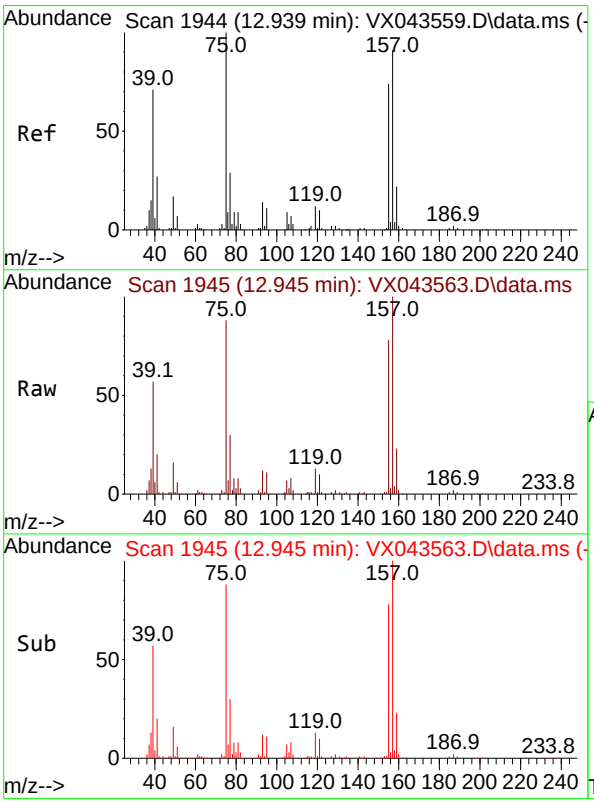
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

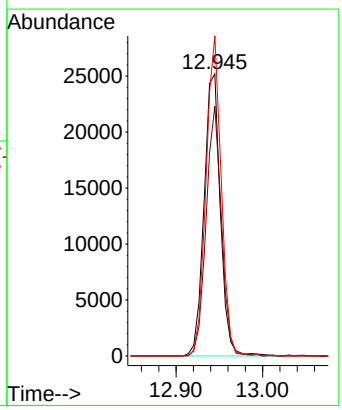
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

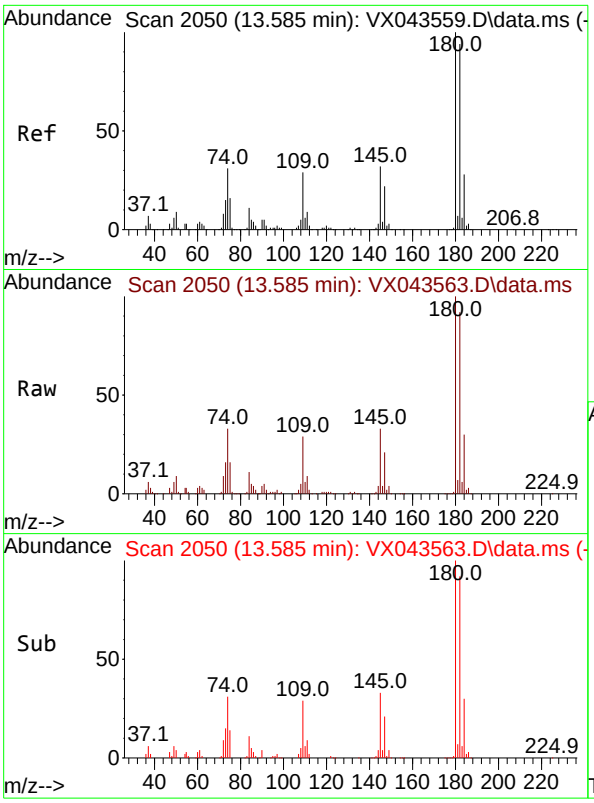


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.652 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 32952

Ion	Ratio	Lower	Upper
75	100		
155	84.0	40.1	120.3
157	106.3	50.8	152.4

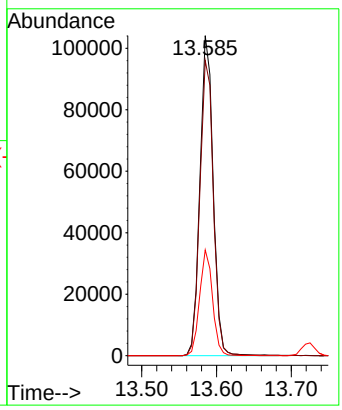




#93
1,2,4-Trichlorobenzene
Concen: 48.149 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:180 Resp: 12779

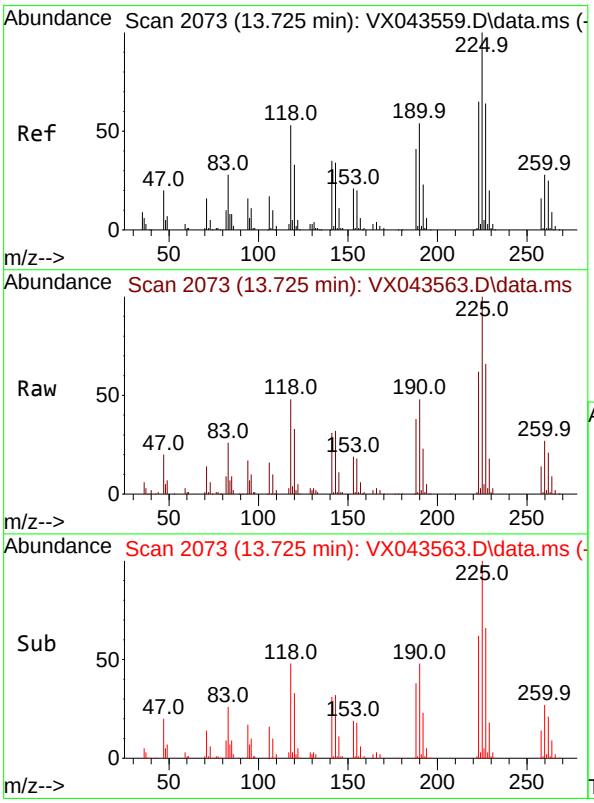
Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.8	140.4
145	32.2	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

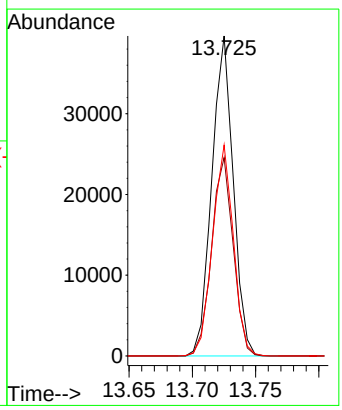
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

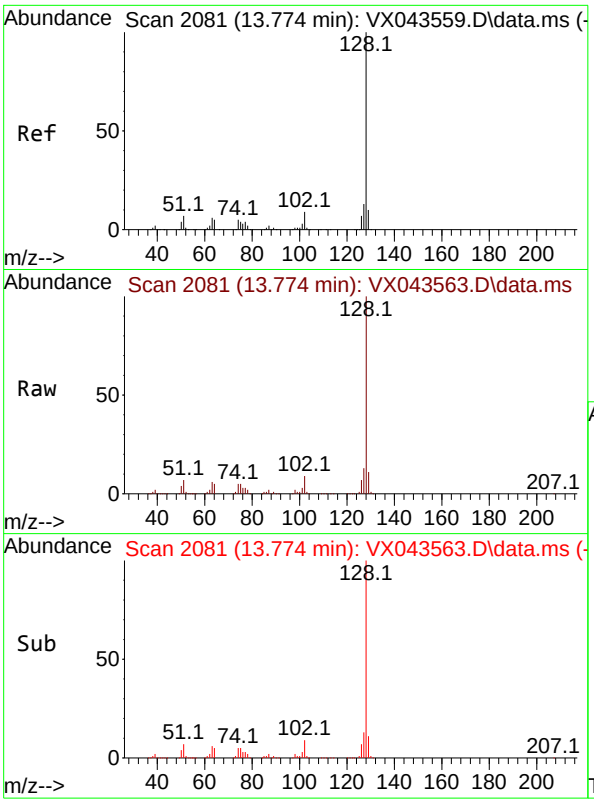


#94
Hexachlorobutadiene
Concen: 47.558 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:225 Resp: 46538

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	64.5	31.6	94.8

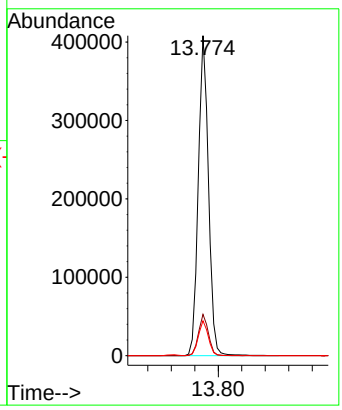




#95
Naphthalene
Concen: 48.409 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:128 Resp: 49166

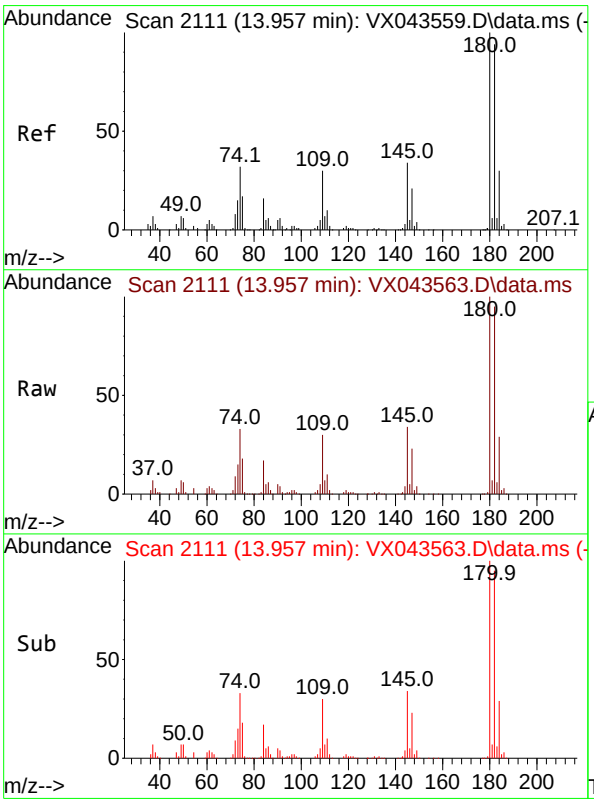
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations
APPROVED

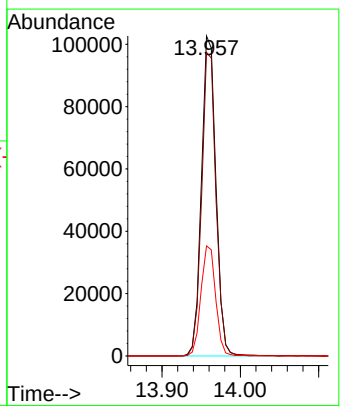
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.022 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:180 Resp: 131581

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	34.9	17.4	52.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	120	0.00
2	T	Dichlorodifluoromethane	0.535	0.455	15.0	108	0.00
3	P	Chloromethane	0.684	0.566	17.3	105	0.00
4	C	Vinyl Chloride	0.634	0.555	12.5#	105	0.00
5	T	Bromomethane	0.259	0.215	17.0	99	0.00
6	T	Chloroethane	0.223	0.179	19.7	96	0.00
7	T	Trichlorofluoromethane	0.775	0.715	7.7	111	0.00
8	T	Diethyl Ether	0.358	0.309	13.7	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.468	10.7	107	0.00
10	T	Methyl Iodide	0.757	0.678	10.4	104	0.00
11	T	Tert butyl alcohol	0.149	0.137	8.1	106	0.00
12	CM	1,1-Dichloroethene	0.536	0.482	10.1#	108	0.00
13	T	Acrolein	0.116	0.102	12.1	113	0.00
14	T	Allyl chloride	0.926	0.844	8.9	107	0.00
15	T	Acrylonitrile	0.336	0.298	11.3	103	0.00
16	T	Acetone	0.317	0.284	10.4	109	0.00
17	T	Carbon Disulfide	1.120	1.064	5.0	113	0.00
18	T	Methyl Acetate	0.925	0.786	15.0	102	0.00
19	T	Methyl tert-butyl Ether	2.037	1.767	13.3	102	0.00
20	T	Methylene Chloride	0.682	0.567	16.9	103	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.500	11.7	107	0.00
22	T	Diisopropyl ether	1.915	1.676	12.5	104	0.00
23	T	Vinyl Acetate	1.582	1.451	8.3	104	0.00
24	P	1,1-Dichloroethane	1.101	0.960	12.8	104	0.00
25	T	2-Butanone	0.462	0.411	11.0	103	0.00
26	T	2,2-Dichloropropane	0.901	0.830	7.9	112	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.631	12.7	103	0.00
28	T	Bromochloromethane	0.524	0.446	14.9	106	0.00
29	T	Tetrahydrofuran	0.300	0.262	12.7	102	0.00
30	C	Chloroform	1.154	1.006	12.8#	104	0.00
31	T	Cyclohexane	0.842	0.745	11.5	107	0.00
32	T	1,1,1-Trichloroethane	0.969	0.880	9.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.726	8.9	111	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
35	S	Dibromofluoromethane	0.339	0.323	4.7	114	0.00
36	T	1,1-Dichloropropene	0.402	0.361	10.2	110	0.00
37	T	Ethyl Acetate	0.488	0.457	6.4	107	0.00
38	T	Carbon Tetrachloride	0.444	0.409	7.9	109	0.00
39	T	Methylcyclohexane	0.499	0.455	8.8	106	0.00
40	TM	Benzene	1.341	1.184	11.7	103	0.00
41	T	Methacrylonitrile	0.256	0.229	10.5	100	0.00
42	TM	1,2-Dichloroethane	0.482	0.429	11.0	103	0.00
43	T	Isopropyl Acetate	0.807	0.727	9.9	103	0.00
44	TM	Trichloroethene	0.333	0.299	10.2	105	0.00
45	C	1,2-Dichloropropane	0.330	0.296	10.3#	104	0.00
46	T	Dibromomethane	0.254	0.223	12.2	102	0.00
47	T	Bromodichloromethane	0.446	0.421	5.6	104	0.00
48	T	Methyl methacrylate	0.383	0.354	7.6	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	119	0.00
50	S	Toluene-d8	1.174	1.138	3.1	115	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.451	8.3	102	0.00
52	CM	Toluene	0.813	0.748	8.0#	106	0.00
53	T	t-1,3-Dichloropropene	0.479	0.449	6.3	104	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.489	4.1	107	0.00
55	T	1,1,2-Trichloroethane	0.339	0.306	9.7	102	0.00
56	T	Ethyl methacrylate	0.550	0.503	8.5	101	0.00
57	T	1,3-Dichloropropane	0.563	0.499	11.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.240	9.8	106	0.00
59	T	2-Hexanone	0.374	0.344	8.0	102	0.00
60	T	Dibromochloromethane	0.335	0.325	3.0	105	0.00
61	T	1,2-Dibromoethane	0.351	0.315	10.3	102	0.00
62	S	4-Bromofluorobenzene	0.435	0.420	3.4	112	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
64	T	Tetrachloroethene	0.314	0.288	8.3	107	0.00
65	PM	Chlorobenzene	1.076	0.978	9.1	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.341	2.8	105	0.00
67	C	Ethyl Benzene	1.754	1.648	6.0#	106	0.00
68	T	m/p-Xylenes	0.671	0.639	4.8	106	0.00
69	T	o-Xylene	0.674	0.641	4.9	107	0.00
70	T	Styrene	1.120	1.078	3.8	105	0.00
71	P	Bromoform	0.253	0.253	0.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73	T	Isopropylbenzene	3.542	3.330	6.0	106	0.00
74	T	N-amyl acetate	1.725	1.627	5.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.164	8.6	103	0.00
76	T	1,2,3-Trichloropropane	1.069	0.947	11.4	100	0.00
77	T	Bromobenzene	0.915	0.832	9.1	102	0.00
78	T	n-propylbenzene	3.862	3.682	4.7	105	0.00
79	T	2-Chlorotoluene	2.561	2.330	9.0	105	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.835	4.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.382	1.8	104	0.00
82	T	4-Chlorotoluene	2.874	2.673	7.0	105	0.00
83	T	tert-Butylbenzene	3.003	2.879	4.1	108	0.00
84	T	1,2,4-Trimethylbenzene	3.010	2.856	5.1	105	0.00
85	T	sec-Butylbenzene	3.520	3.407	3.2	106	0.00
86	T	p-Isopropyltoluene	2.992	2.891	3.4	105	0.00
87	T	1,3-Dichlorobenzene	1.639	1.507	8.1	104	0.00
88	T	1,4-Dichlorobenzene	1.699	1.514	10.9	104	0.00
89	T	n-Butylbenzene	2.438	2.438	0.0	106	0.00
90	T	Hexachloroethane	0.486	0.494	-1.6	108	0.00
91	T	1,2-Dichlorobenzene	1.676	1.539	8.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.253	2.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.017	0.980	3.6	103	0.00
94	T	Hexachlorobutadiene	0.375	0.357	4.8	109	0.00
95	T	Naphthalene	3.893	3.770	3.2	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.009	6.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	120	0.00
2	T	Dichlorodifluoromethane	50.000	42.565	14.9	108	0.00
3	P	Chloromethane	50.000	41.434	17.1	105	0.00
4	C	Vinyl Chloride	50.000	43.758	12.5#	105	0.00
5	T	Bromomethane	50.000	41.604	16.8	99	0.00
6	T	Chloroethane	50.000	39.988	20.0	96	0.00
7	T	Trichlorofluoromethane	50.000	46.124	7.8	111	0.00
8	T	Diethyl Ether	50.000	43.186	13.6	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.609	10.8	107	0.00
10	T	Methyl Iodide	50.000	44.767	10.5	104	0.00
11	T	Tert butyl alcohol	250.000	229.410	8.2	106	0.00
12	CM	1,1-Dichloroethene	50.000	44.957	10.1#	108	0.00
13	T	Acrolein	250.000	218.298	12.7	113	0.00
14	T	Allyl chloride	50.000	45.529	8.9	107	0.00
15	T	Acrylonitrile	250.000	221.401	11.4	103	0.00
16	T	Acetone	250.000	224.158	10.3	109	0.00
17	T	Carbon Disulfide	50.000	47.524	5.0	113	0.00
18	T	Methyl Acetate	50.000	42.460	15.1	102	0.00
19	T	Methyl tert-butyl Ether	50.000	43.380	13.2	102	0.00
20	T	Methylene Chloride	50.000	41.513	17.0	103	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.148	11.7	107	0.00
22	T	Diisopropyl ether	50.000	43.777	12.4	104	0.00
23	T	Vinyl Acetate	250.000	229.380	8.2	104	0.00
24	P	1,1-Dichloroethane	50.000	43.633	12.7	104	0.00
25	T	2-Butanone	250.000	222.655	10.9	103	0.00
26	T	2,2-Dichloropropane	50.000	46.075	7.8	112	0.00
27	T	cis-1,2-Dichloroethene	50.000	43.635	12.7	103	0.00
28	T	Bromochloromethane	50.000	42.606	14.8	106	0.00
29	T	Tetrahydrofuran	250.000	218.299	12.7	102	0.00
30	C	Chloroform	50.000	43.621	12.8#	104	0.00
31	T	Cyclohexane	50.000	44.229	11.5	107	0.00
32	T	1,1,1-Trichloroethane	50.000	45.409	9.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.512	9.0	111	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	118	0.00
35	S	Dibromofluoromethane	50.000	47.657	4.7	114	0.00
36	T	1,1-Dichloropropene	50.000	44.924	10.2	110	0.00
37	T	Ethyl Acetate	50.000	46.862	6.3	107	0.00
38	T	Carbon Tetrachloride	50.000	46.088	7.8	109	0.00
39	T	Methylcyclohexane	50.000	45.618	8.8	106	0.00
40	TM	Benzene	50.000	44.132	11.7	103	0.00
41	T	Methacrylonitrile	50.000	44.704	10.6	100	0.00
42	TM	1,2-Dichloroethane	50.000	44.475	11.0	103	0.00
43	T	Isopropyl Acetate	50.000	45.049	9.9	103	0.00
44	TM	Trichloroethene	50.000	44.826	10.3	105	0.00
45	C	1,2-Dichloropropane	50.000	44.772	10.5#	104	0.00
46	T	Dibromomethane	50.000	43.863	12.3	102	0.00
47	T	Bromodichloromethane	50.000	47.134	5.7	104	0.00
48	T	Methyl methacrylate	50.000	46.235	7.5	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1047.352	-4.7	119	0.00
50	S	Toluene-d8	50.000	48.461	3.1	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	229.383	8.2	102	0.00
52	CM	Toluene	50.000	46.000	8.0#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	46.821	6.4	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.945	4.1	107	0.00
55	T	1,1,2-Trichloroethane	50.000	45.125	9.8	102	0.00
56	T	Ethyl methacrylate	50.000	45.728	8.5	101	0.00
57	T	1,3-Dichloropropane	50.000	44.279	11.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.175	9.9	106	0.00
59	T	2-Hexanone	250.000	230.086	8.0	102	0.00
60	T	Dibromochloromethane	50.000	48.399	3.2	105	0.00
61	T	1,2-Dibromoethane	50.000	44.841	10.3	102	0.00
62	S	4-Bromofluorobenzene	50.000	48.327	3.3	112	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	115	0.00
64	T	Tetrachloroethene	50.000	45.765	8.5	107	0.00
65	PM	Chlorobenzene	50.000	45.479	9.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.543	2.9	105	0.00
67	C	Ethyl Benzene	50.000	46.977	6.0#	106	0.00
68	T	m/p-Xylenes	100.000	95.253	4.7	106	0.00
69	T	o-Xylene	50.000	47.523	5.0	107	0.00
70	T	Styrene	50.000	48.130	3.7	105	0.00
71	P	Bromoform	50.000	50.009	-0.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73	T	Isopropylbenzene	50.000	47.005	6.0	106	0.00
74	T	N-amyl acetate	50.000	47.145	5.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.712	8.6	103	0.00
76	T	1,2,3-Trichloropropane	50.000	44.275	11.5	100	0.00
77	T	Bromobenzene	50.000	45.472	9.1	102	0.00
78	T	n-propylbenzene	50.000	47.669	4.7	105	0.00
79	T	2-Chlorotoluene	50.000	45.500	9.0	105	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.003	4.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.126	1.7	104	0.00
82	T	4-Chlorotoluene	50.000	46.508	7.0	105	0.00
83	T	tert-Butylbenzene	50.000	47.929	4.1	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.450	5.1	105	0.00
85	T	sec-Butylbenzene	50.000	48.384	3.2	106	0.00
86	T	p-Isopropyltoluene	50.000	48.310	3.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.977	8.0	104	0.00
88	T	1,4-Dichlorobenzene	50.000	44.556	10.9	104	0.00
89	T	n-Butylbenzene	50.000	49.987	0.0	106	0.00
90	T	Hexachloroethane	50.000	50.825	-1.7	108	0.00
91	T	1,2-Dichlorobenzene	50.000	45.901	8.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.652	2.7	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.149	3.7	103	0.00
94	T	Hexachlorobutadiene	50.000	47.558	4.9	109	0.00
95	T	Naphthalene	50.000	48.409	3.2	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.022	6.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043583.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.597	0.1	-12.72	20
Vinyl Chloride	0.634	0.614		-3.31	20
Bromomethane	0.259	0.236		-8.88	20
Chloroethane	0.223	0.209		-6.28	20
Trichlorofluoromethane	0.775	0.759		-2.07	20
1,1,2-Trichlorotrifluoroethane	0.524	0.542		3.43	20
1,1-Dichloroethene	0.536	0.536		0	20
Acetone	0.317	0.297		-6.31	20
Carbon Disulfide	1.120	1.146		2.32	20
Methyl tert-butyl Ether	2.037	1.814		-10.95	20
Methylene Chloride	0.682	0.601		-11.88	20
trans-1,2-Dichloroethene	0.566	0.555		-1.94	20
1,1-Dichloroethane	1.101	1.028	0.1	-6.63	20
2-Butanone	0.462	0.403		-12.77	20
Carbon Tetrachloride	0.444	0.466		4.95	20
cis-1,2-Dichloroethene	0.723	0.687		-4.98	20
Chloroform	1.154	1.065		-7.71	20
1,1,1-Trichloroethane	0.969	0.948		-2.17	20
Methylcyclohexane	0.499	0.574		15.03	20
Benzene	1.341	1.333		-0.6	20
1,2-Dichloroethane	0.482	0.452		-6.22	20
Trichloroethene	0.333	0.351		5.41	20
1,2-Dichloropropane	0.330	0.327		-0.91	20
Bromodichloromethane	0.446	0.461		3.36	20
4-Methyl-2-Pentanone	0.492	0.451		-8.33	20
Toluene	0.813	0.854		5.04	20
t-1,3-Dichloropropene	0.479	0.490		2.3	20
cis-1,3-Dichloropropene	0.510	0.537		5.29	20
1,1,2-Trichloroethane	0.339	0.329		-2.95	20
2-Hexanone	0.374	0.352		-5.88	20
Dibromochloromethane	0.335	0.358		6.87	20
Tetrachloroethene	0.314	0.333		6.05	20
Chlorobenzene	1.076	1.092	0.3	1.49	20
Ethyl Benzene	1.754	1.860		6.04	20
m/p-Xylenes	0.671	0.725		8.05	20
o-Xylene	0.674	0.708		5.05	20
Styrene	1.120	1.213		8.3	20
Bromoform	0.253	0.265	0.1	4.74	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX043583.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.725		5.17	20
1,1,2,2-Tetrachloroethane	1.274	1.176	0.3	-7.69	20
1,3-Dichlorobenzene	1.639	1.707		4.15	20
1,4-Dichlorobenzene	1.699	1.695		-0.23	20
1,2-Dichlorobenzene	1.676	1.698		1.31	20
1,2-Dichloroethane-d4	0.797	0.708		-11.17	20
Dibromofluoromethane	0.339	0.345		1.77	20
Toluene-d8	1.174	1.260		7.32	20
4-Bromofluorobenzene	0.435	0.471		8.28	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\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	185040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	317661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	136145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130985	44.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.780%			
35) Dibromofluoromethane	5.373	113	109730	50.941	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	400238	53.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.360%			
62) 4-Bromofluorobenzene	11.079	95	149677	54.171	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	96192	48.609	ug/l	98
3) Chloromethane	1.294	50	110441	43.659	ug/l	99
4) Vinyl Chloride	1.374	62	113522	48.354	ug/l	98
5) Bromomethane	1.593	94	43728	45.689	ug/l	98
6) Chloroethane	1.666	64	38745	46.843	ug/l	96
7) Trichlorofluoromethane	1.861	101	140504	48.990	ug/l	100
8) Diethyl Ether	2.136	74	59968	45.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	100354	51.739	ug/l	97
10) Methyl Iodide	2.440	142	135379	48.310	ug/l	98
11) Tert butyl alcohol	3.014	59	122889	223.146	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	99213	50.054	ug/l	95
13) Acrolein	2.239	56	93394	216.855	ug/l	97
14) Allyl chloride	2.654	41	163297	47.632	ug/l	96
15) Acrylonitrile	3.062	53	262619	211.215	ug/l	100
16) Acetone	2.386	43	274914	234.636	ug/l	97
17) Carbon Disulfide	2.495	76	212014	51.153	ug/l	99
18) Methyl Acetate	2.703	43	136121	39.751	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	335598	44.520	ug/l	97
20) Methylene Chloride	2.782	84	111138	44.012	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	102634	49.012	ug/l	98
22) Diisopropyl ether	3.757	45	321130	45.317	ug/l	98
23) Vinyl Acetate	3.715	43	1362160	232.674	ug/l	99
24) 1,1-Dichloroethane	3.599	63	190272	46.716	ug/l	99
25) 2-Butanone	4.556	43	373244	218.384	ug/l	99
26) 2,2-Dichloropropane	4.464	77	170610	51.174	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	127185	47.546	ug/l	100
28) Bromochloromethane	4.891	49	85552	44.155	ug/l	99
29) Tetrahydrofuran	5.001	42	226140	203.602	ug/l	98
30) Chloroform	5.086	83	197102	46.165	ug/l	99
31) Cyclohexane	5.458	56	160445	51.504	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	175486	48.957	ug/l	99
36) 1,1-Dichloropropene	5.684	75	132757	51.976	ug/l	98
37) Ethyl Acetate	4.708	43	138087	44.531	ug/l	98
38) Carbon Tetrachloride	5.665	117	148021	52.449	ug/l	98
39) Methylcyclohexane	7.372	83	182236	57.467	ug/l	97
40) Benzene	6.025	78	423307	49.678	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	78897	48.472	ug/l		98
42) 1,2-Dichloroethane	6.080	62	143431	46.823	ug/l		99
43) Isopropyl Acetate	6.336	43	234002	45.631	ug/l		98
44) Trichloroethene	7.116	130	111507	52.676	ug/l		91
45) 1,2-Dichloropropane	7.427	63	103879	49.511	ug/l		100
46) Dibromomethane	7.574	93	77712	48.105	ug/l		98
47) Bromodichloromethane	7.818	83	146531	51.705	ug/l		97
48) Methyl methacrylate	7.689	41	113890	46.843	ug/l		97
49) 1,4-Dioxane	7.665	88	47931m	959.544	ug/l		
51) 4-Methyl-2-Pentanone	8.573	43	716488	229.232	ug/l		99
52) Toluene	8.714	92	271357	52.511	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	155688	51.148	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	170511	52.575	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	104415	48.542	ug/l		99
56) Ethyl methacrylate	9.116	69	171964	49.201	ug/l		96
57) 1,3-Dichloropropane	9.305	76	176717	49.396	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	369838	218.483	ug/l		97
59) 2-Hexanone	9.433	43	559686	235.767	ug/l		98
60) Dibromochloromethane	9.518	129	113810	53.432	ug/l		100
61) 1,2-Dibromoethane	9.604	107	109821	49.183	ug/l		97
64) Tetrachloroethene	9.268	164	92204	52.901	ug/l		98
65) Chlorobenzene	10.079	112	302575	50.750	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	103710	53.255	ug/l		99
67) Ethyl Benzene	10.189	91	515530	53.028	ug/l		99
68) m/p-Xylenes	10.299	106	401855	108.089	ug/l		97
69) o-Xylene	10.640	106	196198	52.523	ug/l		99
70) Styrene	10.652	104	336072	54.130	ug/l		99
71) Bromoform	10.799	173	73381	52.407	ug/l	#	98
73) Isopropylbenzene	10.963	105	507198	52.592	ug/l		99
74) N-amyl acetate	10.841	43	216499	46.083	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	160157	46.182	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	131796m	45.276	ug/l		
77) Bromobenzene	11.195	156	126219	50.686	ug/l		98
78) n-propylbenzene	11.305	91	571565	54.356	ug/l		100
79) 2-Chlorotoluene	11.360	91	350419	50.257	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	427235	53.132	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	52521	49.635	ug/l		94
82) 4-Chlorotoluene	11.451	91	399821	51.088	ug/l		97
83) tert-Butylbenzene	11.713	119	436382	53.361	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	437441	53.380	ug/l		99
85) sec-Butylbenzene	11.890	105	528903	55.177	ug/l		99
86) p-Isopropyltoluene	12.006	119	451954	55.469	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	232425	52.073	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	230728	49.888	ug/l		99
89) n-Butylbenzene	12.329	91	387771	58.406	ug/l		99
90) Hexachloroethane	12.536	117	75311	56.903	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	231234	50.664	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31951	45.194	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	148966	53.771	ug/l		97
94) Hexachlorobutadiene	13.725	225	58808	57.574	ug/l		99
95) Naphthalene	13.774	128	532111	50.193	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	152724	52.286	ug/l		100

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

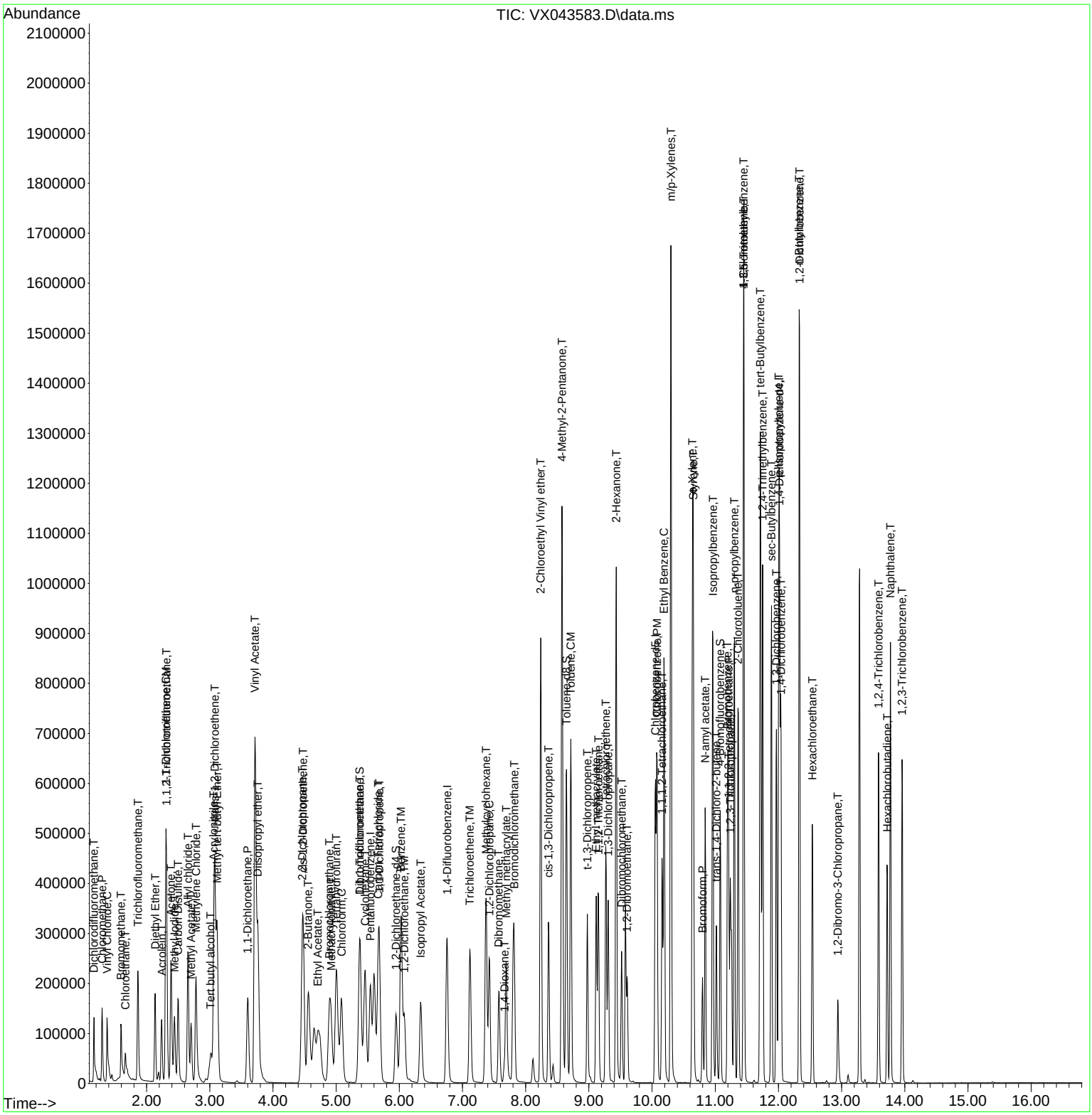
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

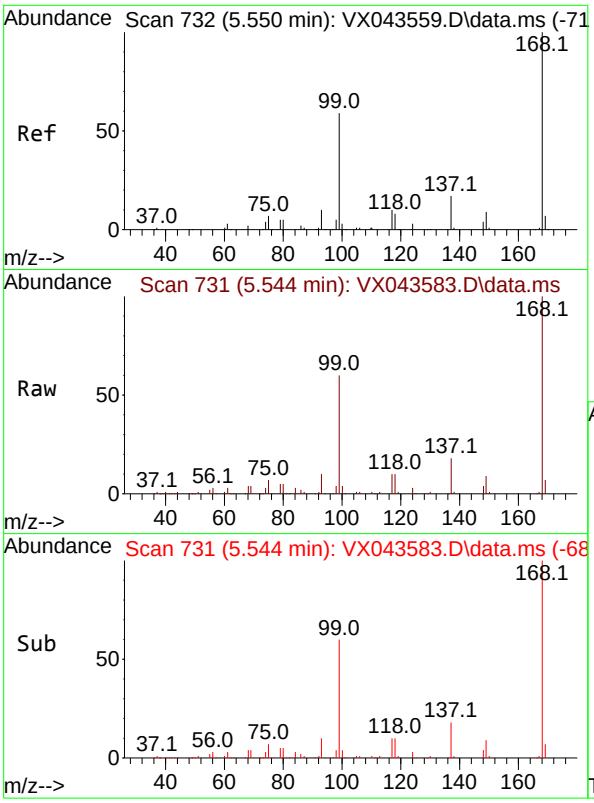
Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

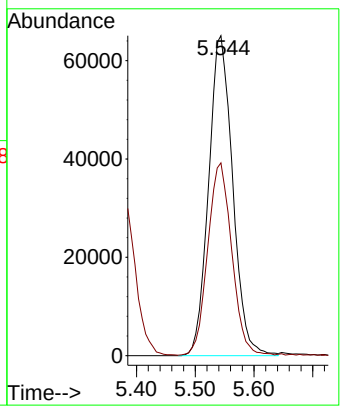




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:168 Resp: 18504

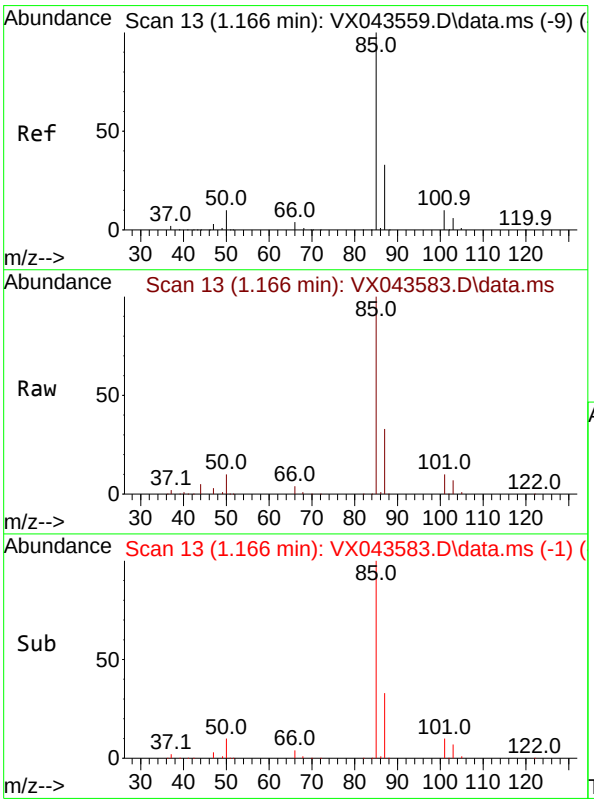
Ion	Ratio	Lower	Upper
168	100		
99	60.1	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

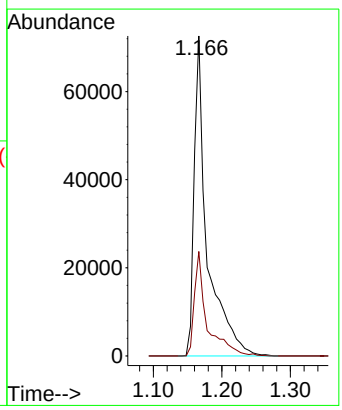
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

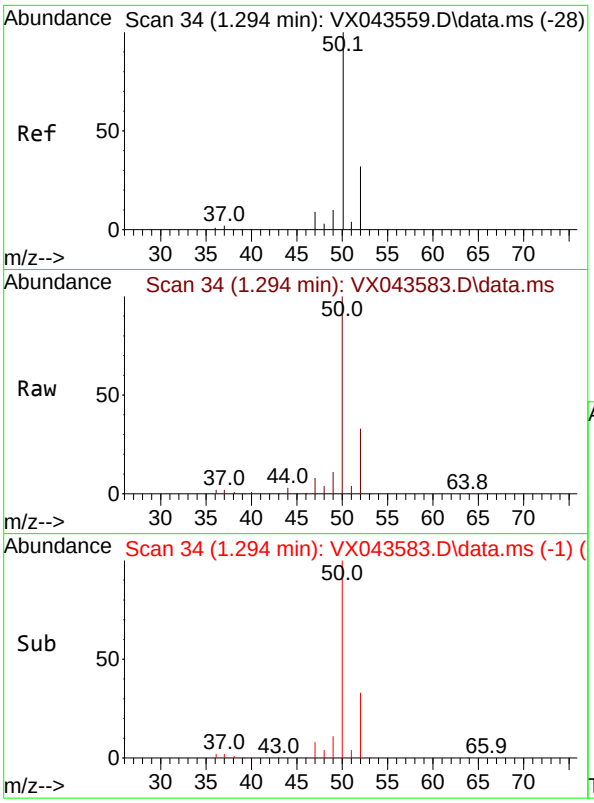


#2
Dichlorodifluoromethane
Concen: 48.609 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 85 Resp: 96192

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.0

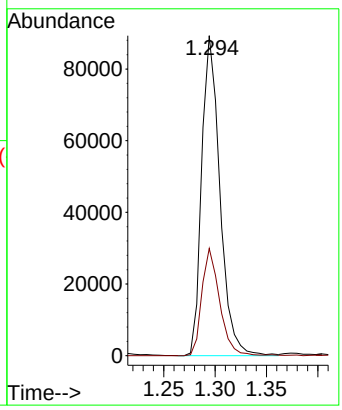




#3
Chloromethane
Concen: 43.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 50 Resp: 11044

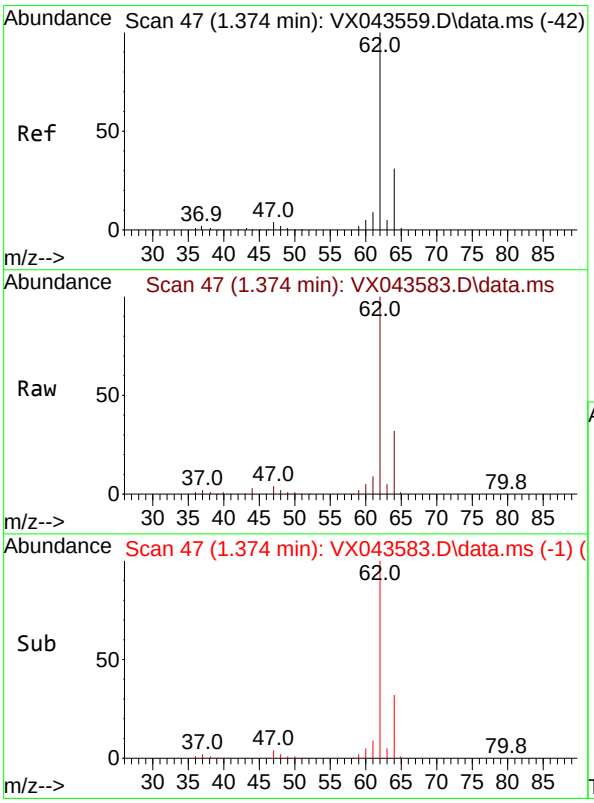
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

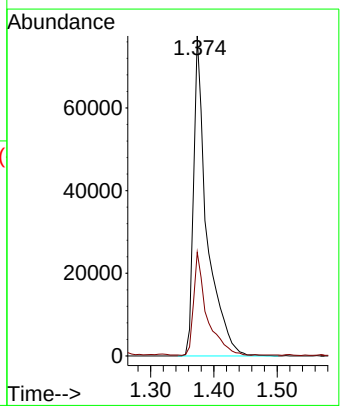
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

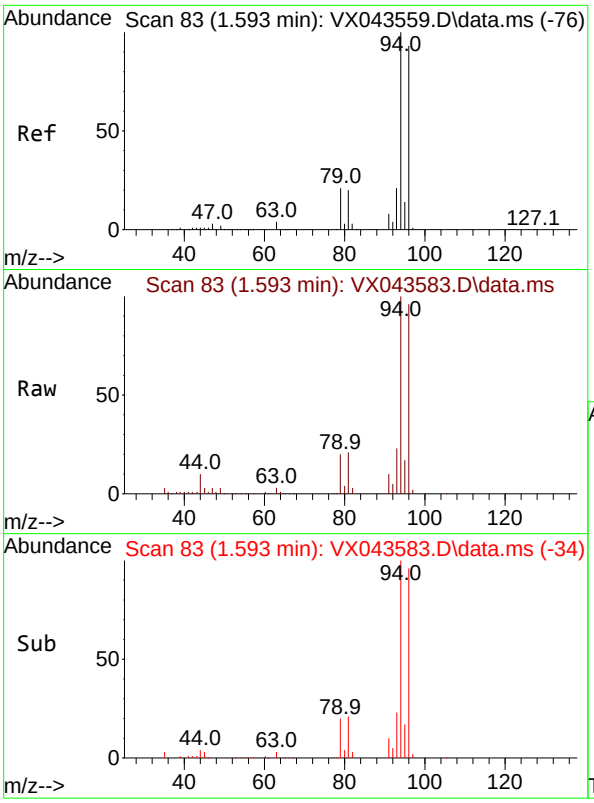


#4
Vinyl Chloride
Concen: 48.354 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 62 Resp: 113522

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.0	37.4

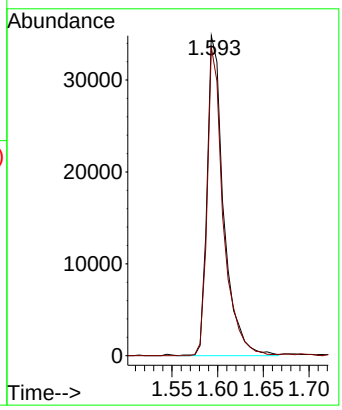




#5
Bromomethane
Concen: 45.689 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 94 Resp: 4372

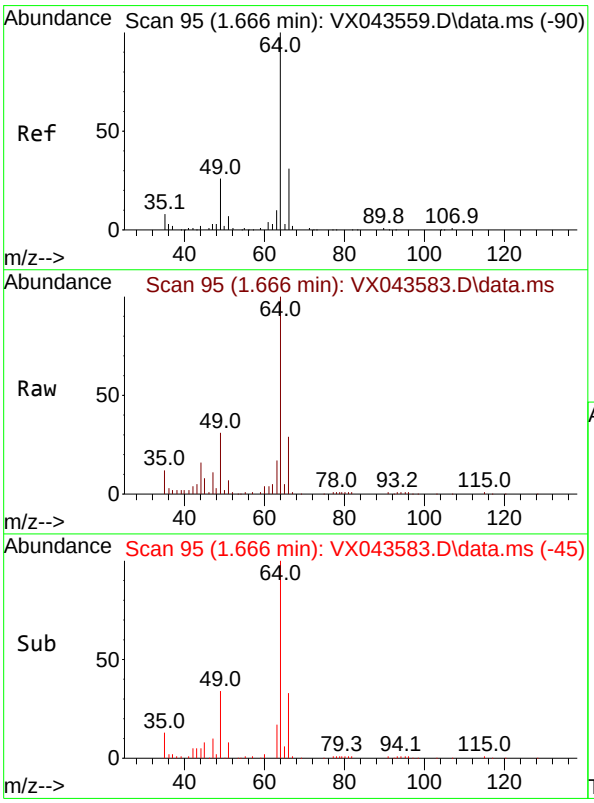
Ion	Ratio	Lower	Upper
94	100		
96	96.4	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

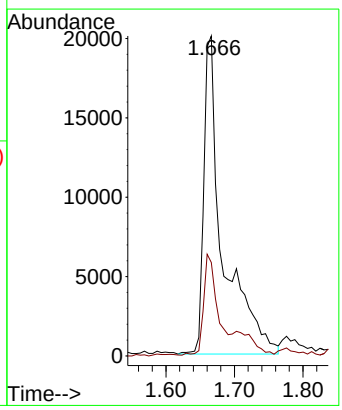
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

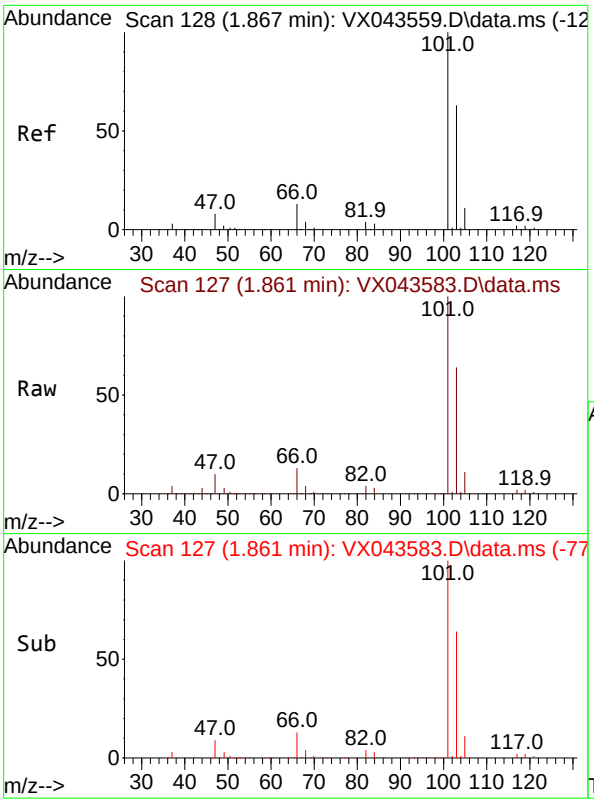


#6
Chloroethane
Concen: 46.843 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 64 Resp: 38745

Ion	Ratio	Lower	Upper
64	100		
66	29.1	25.1	37.7





#7
Trichlorofluoromethane
Concen: 48.990 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

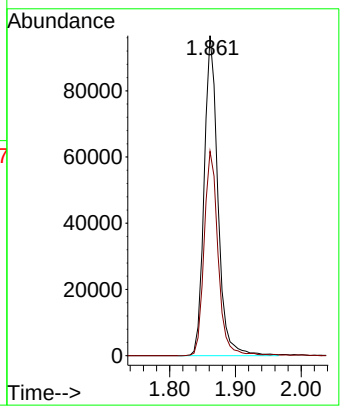
Tgt Ion:101 Resp: 14050

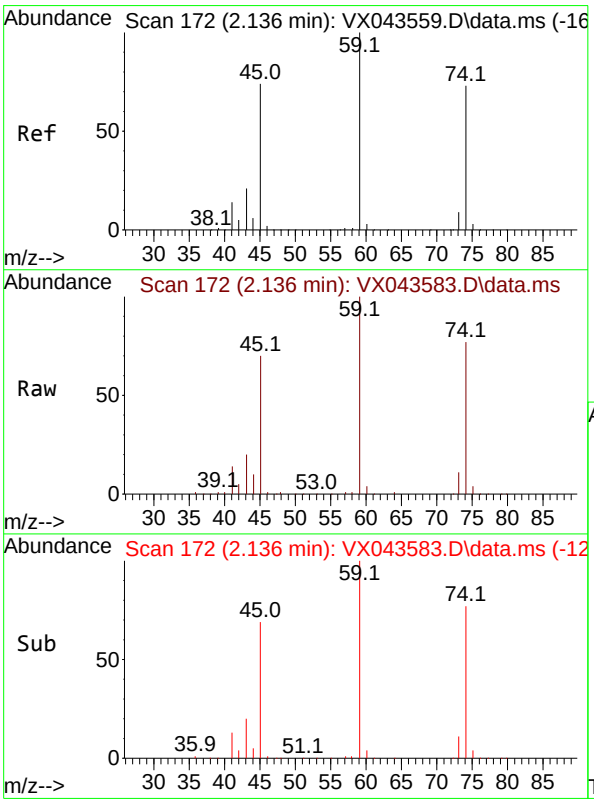
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

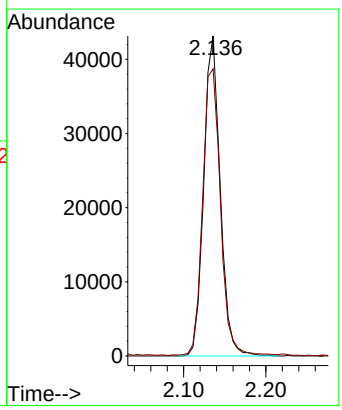


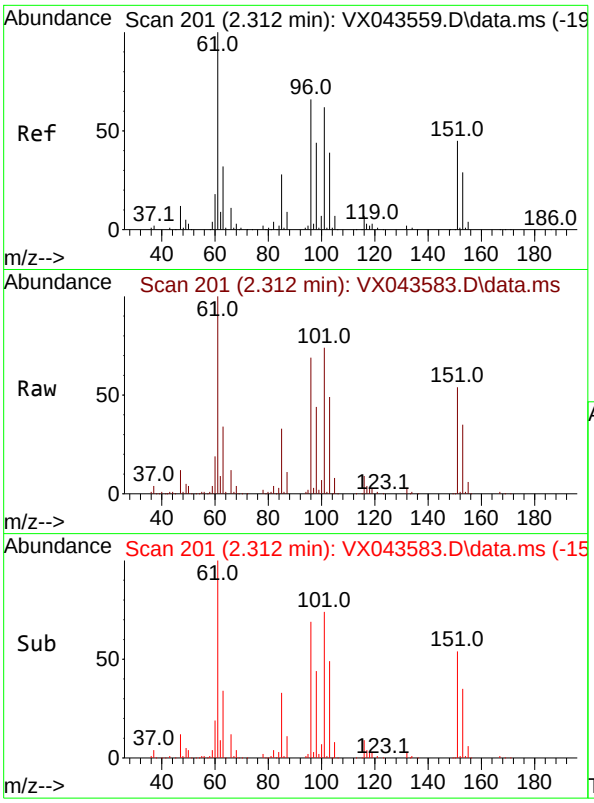


#8
Diethyl Ether
Concen: 45.254 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 74 Resp: 59968

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.739 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

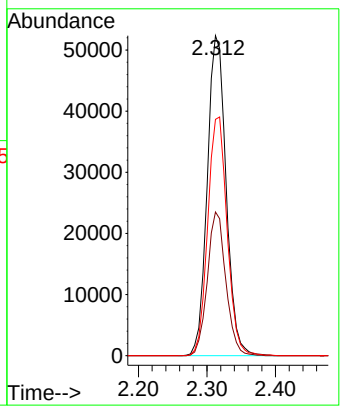
Tgt Ion:101 Resp: 10035

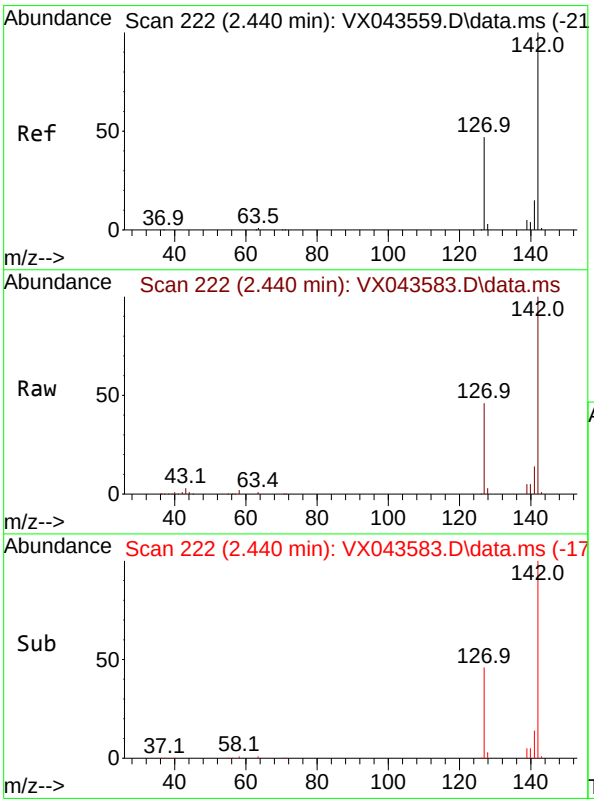
Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.5	51.7
151	76.5	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

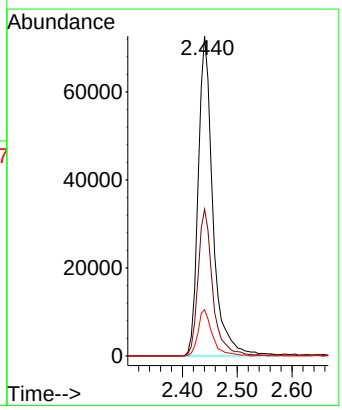


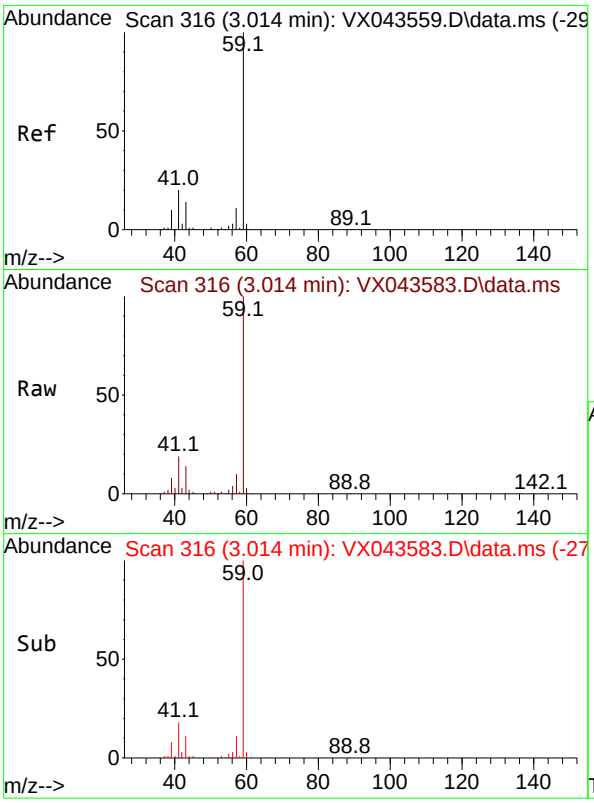


#10
Methyl Iodide
Concen: 48.310 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:142 Resp: 135379

Ion	Ratio	Lower	Upper
142	100		
127	45.8	38.2	57.4
141	14.1	11.5	17.3





#11
Tert butyl alcohol
Concen: 223.146 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.036 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

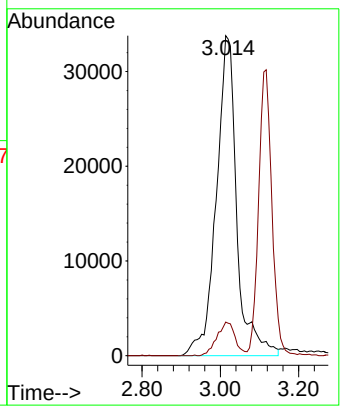
Tgt Ion: 59 Resp: 12288

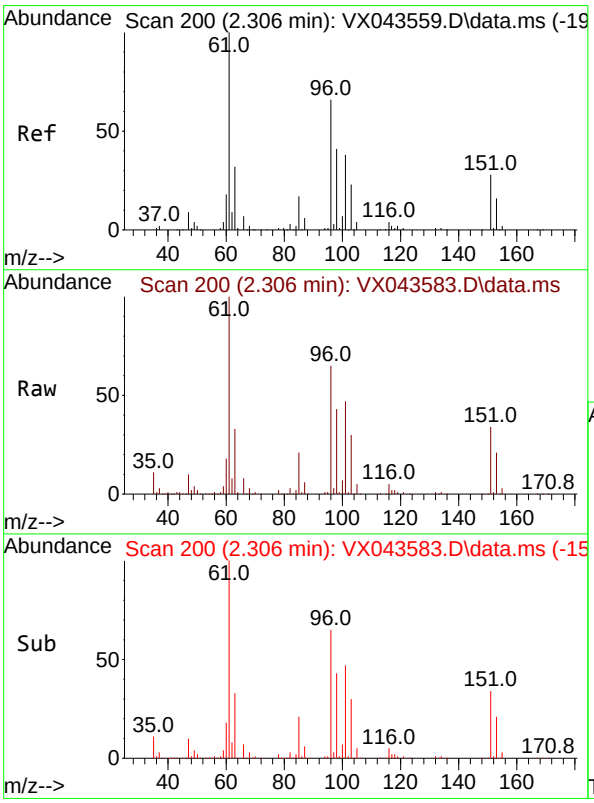
Ion	Ratio	Lower	Upper
59	100		
57	9.4	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

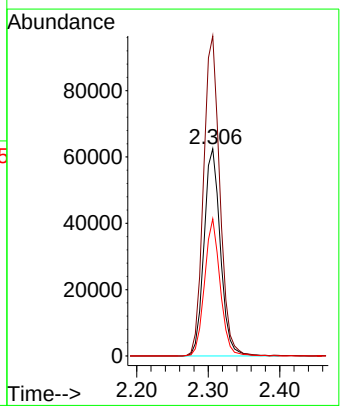


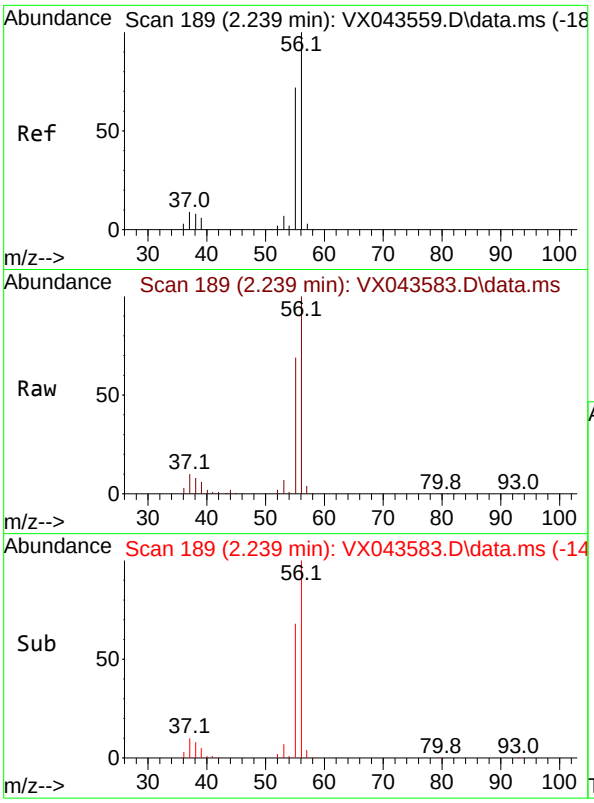


#12
1,1-Dichloroethene
Concen: 50.054 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 96 Resp: 99213

Ion	Ratio	Lower	Upper
96	100		
61	154.4	130.2	195.4
98	66.2	51.0	76.6

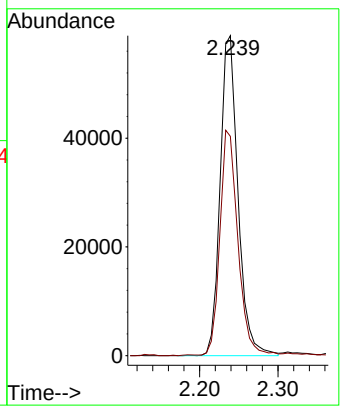




#13
Acrolein
Concen: 216.855 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 56 Resp: 9339

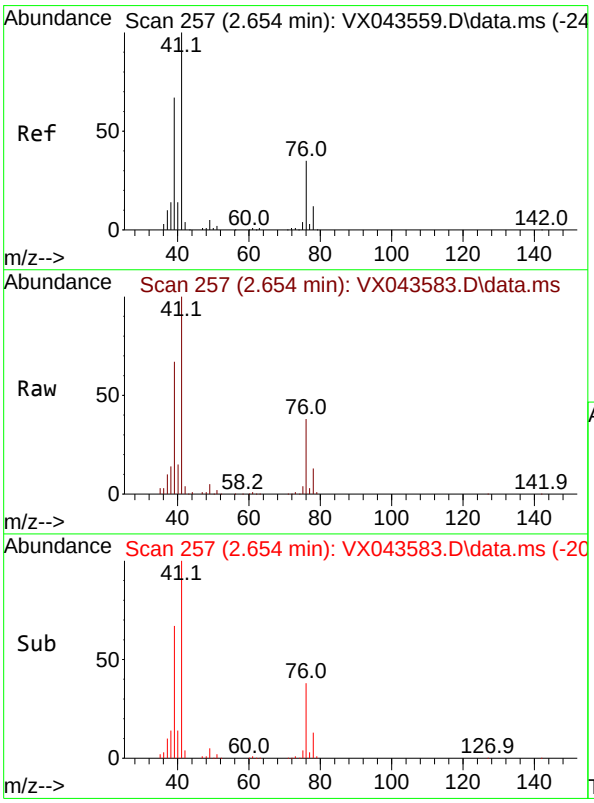
Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

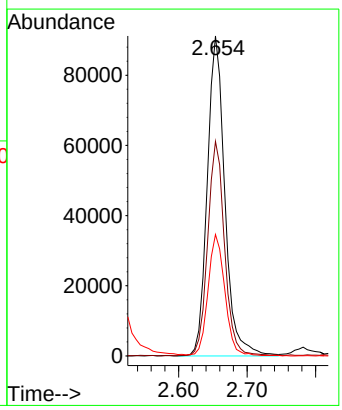
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

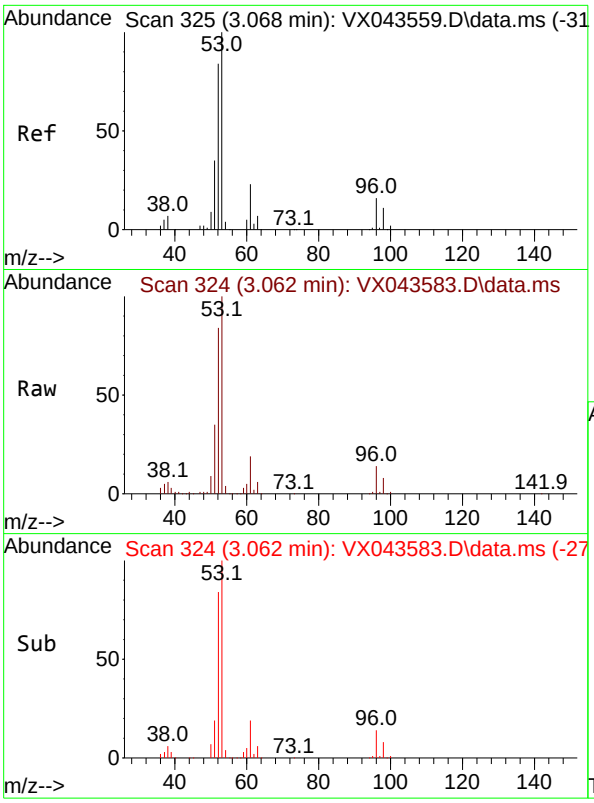


#14
Allyl chloride
Concen: 47.632 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 41 Resp: 163297

Ion	Ratio	Lower	Upper
41	100		
39	63.9	53.2	79.8
76	36.5	27.0	40.6

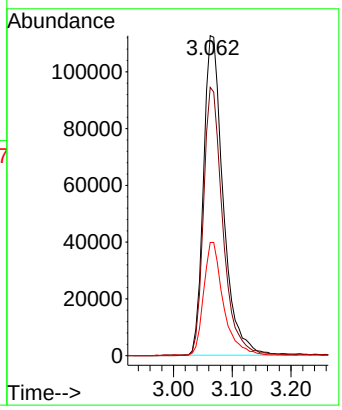




#15
Acrylonitrile
Concen: 211.215 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 53 Resp: 26261

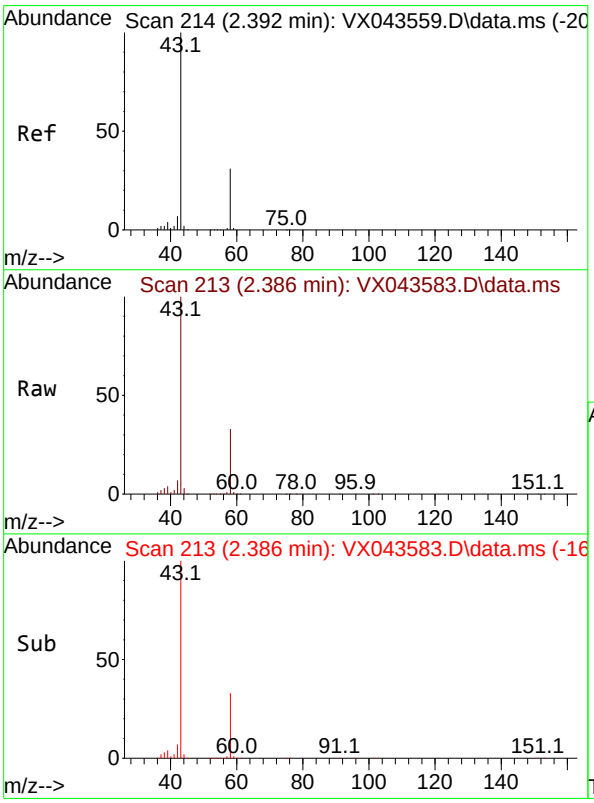
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	35.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

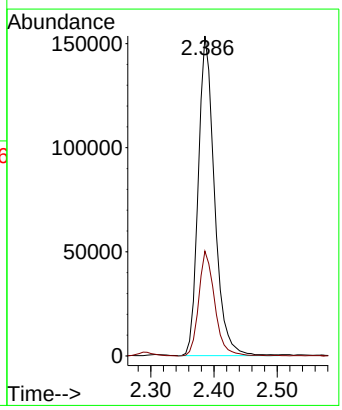
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

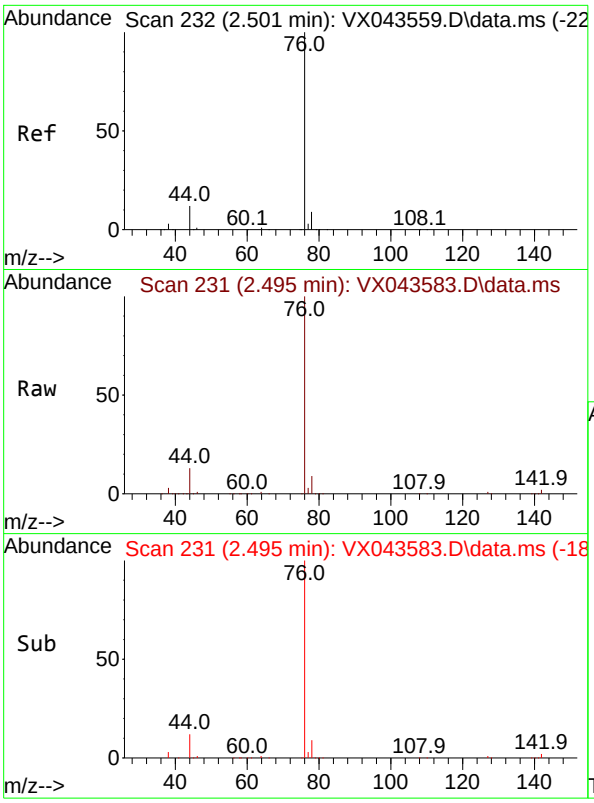


#16
Acetone
Concen: 234.636 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 274914

Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.1	37.7

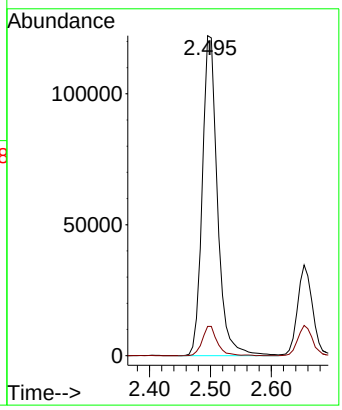




#17
Carbon Disulfide
Concen: 51.153 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 76 Resp: 21201

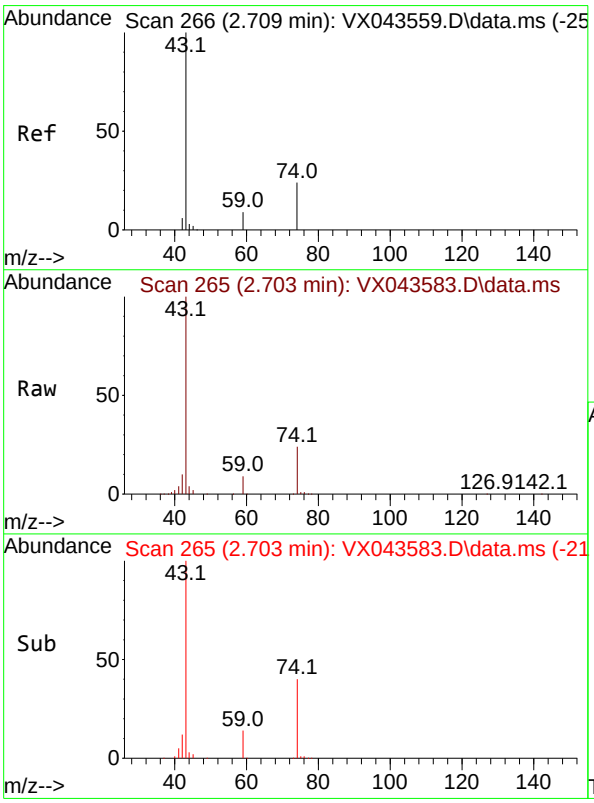
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

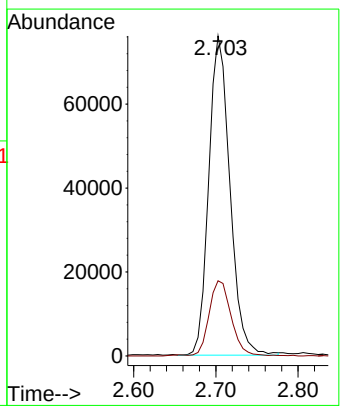
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

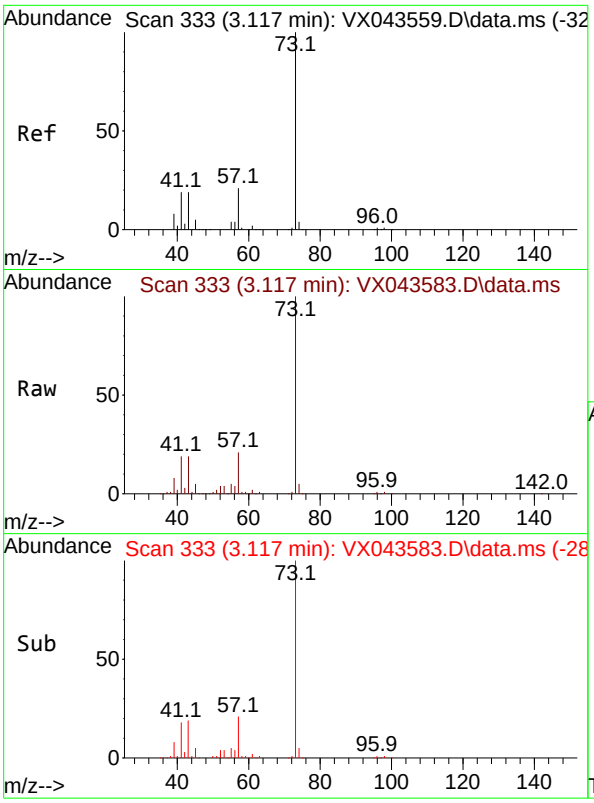


#18
Methyl Acetate
Concen: 39.751 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 136121

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 44.520 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

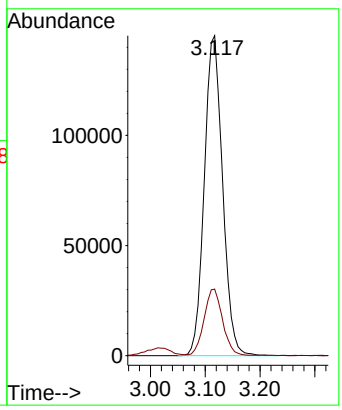
Tgt Ion: 73 Resp: 33559

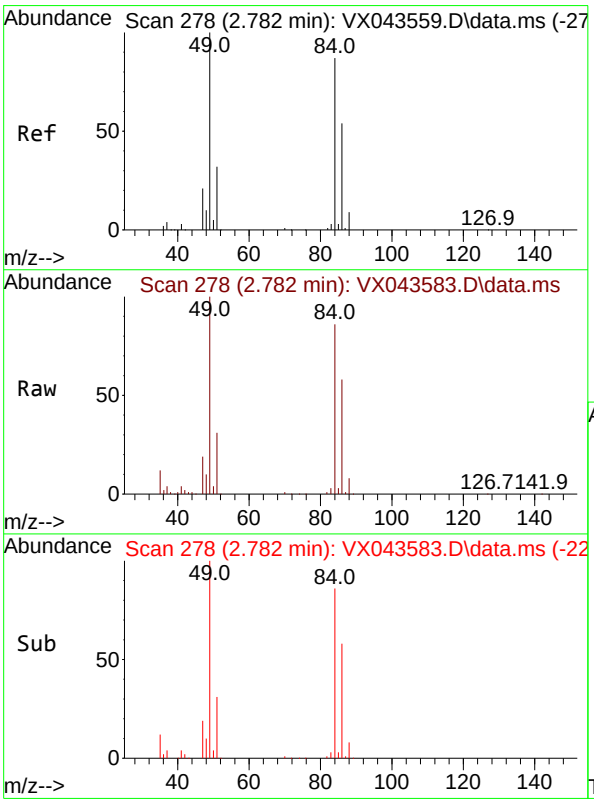
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

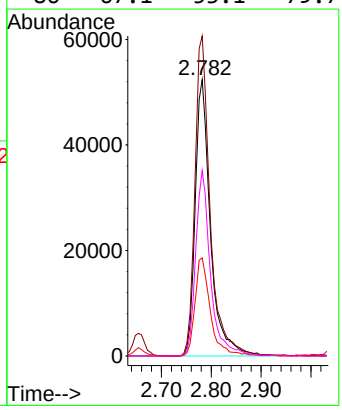


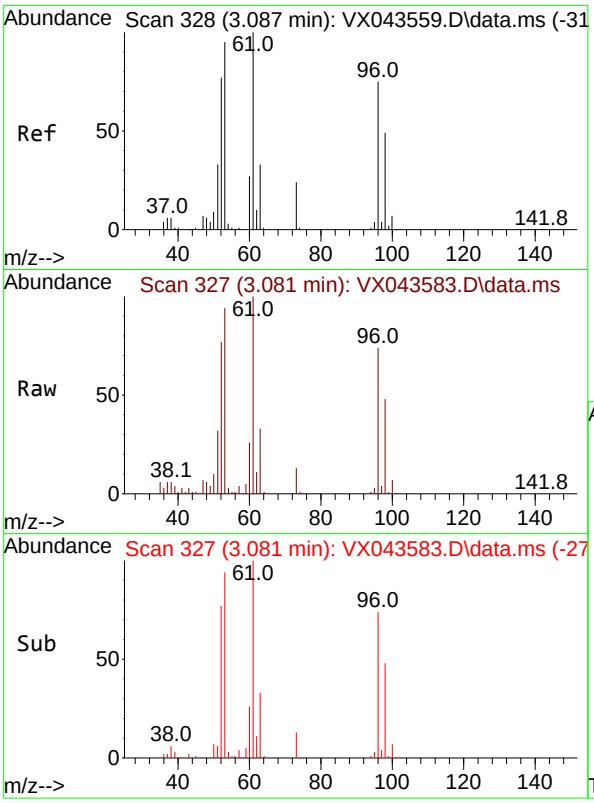


#20
Methylene Chloride
Concen: 44.012 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 84 Resp: 111138

Ion	Ratio	Lower	Upper
84	100		
49	115.8	97.0	145.6
51	35.5	29.8	44.8
86	67.1	53.1	79.7

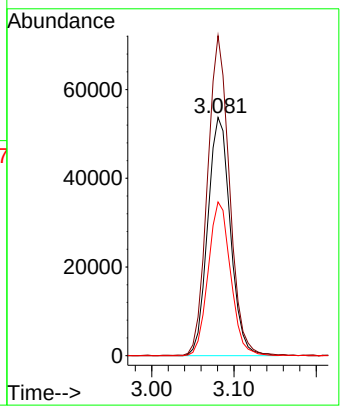




#21
trans-1,2-Dichloroethene
Concen: 49.012 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 96 Resp: 10263

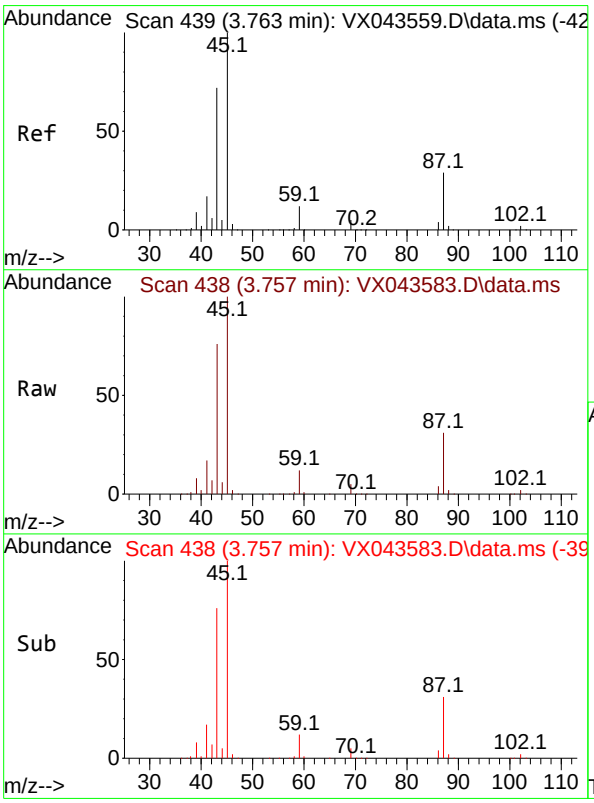
Ion	Ratio	Lower	Upper
96	100		
61	134.0	107.1	160.7
98	64.5	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

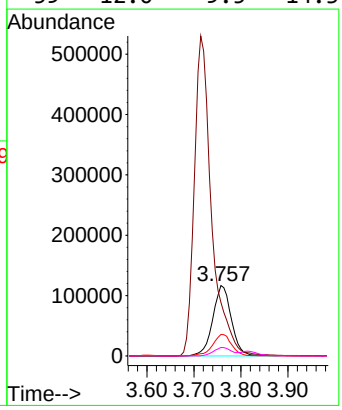
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

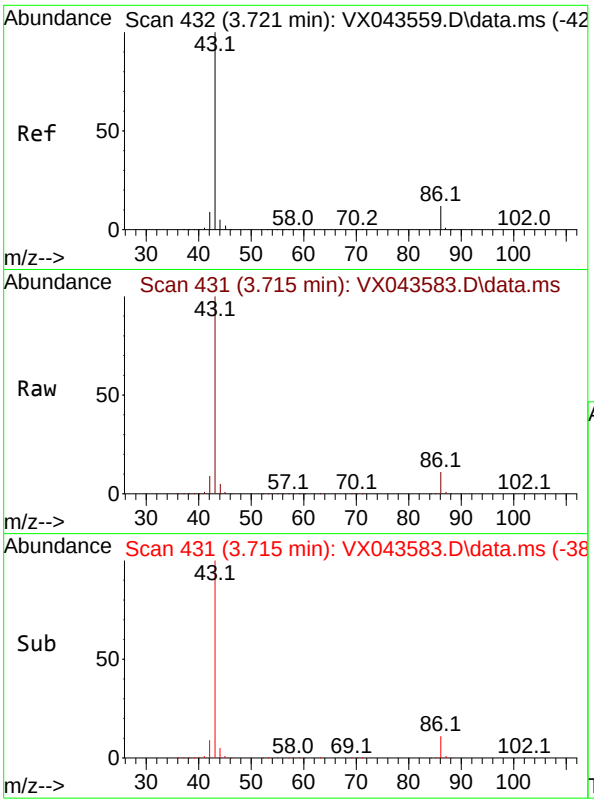


#22
Diisopropyl ether
Concen: 45.317 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 45 Resp: 321130

Ion	Ratio	Lower	Upper
45	100		
43	76.1	60.6	90.8
87	30.6	22.0	33.0
59	12.0	9.5	14.3





#23
Vinyl Acetate
Concen: 232.674 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

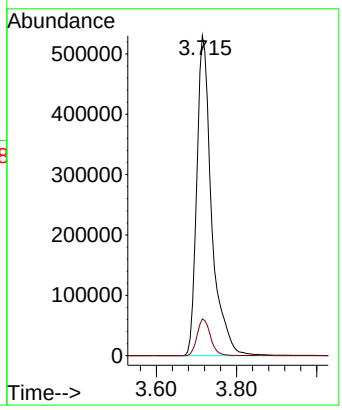
Tgt Ion: 43 Resp: 136216

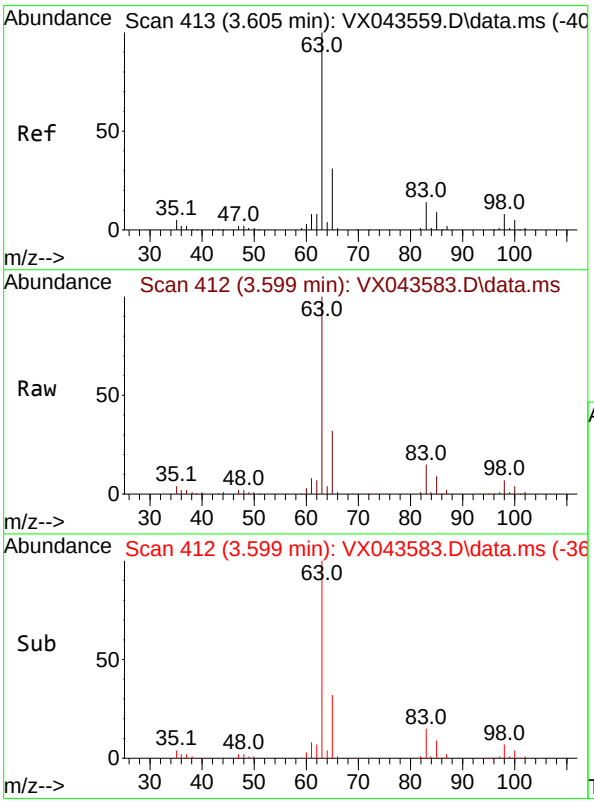
Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

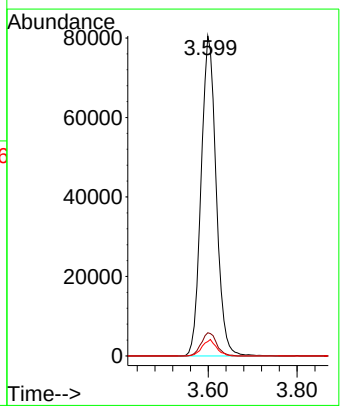


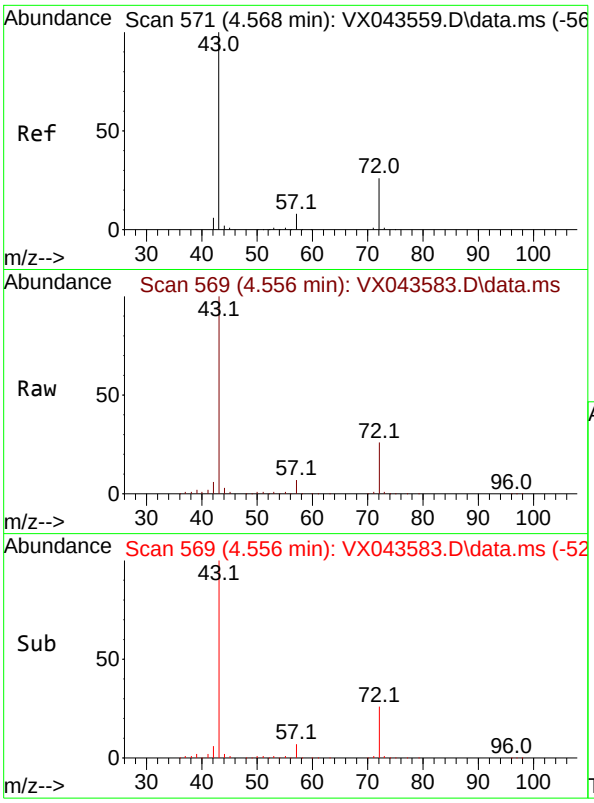


#24
1,1-Dichloroethane
Concen: 46.716 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 63 Resp: 190272

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.5	2.4	7.2

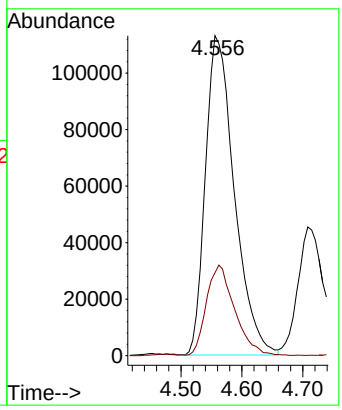




#25
2-Butanone
Concen: 218.384 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 37324

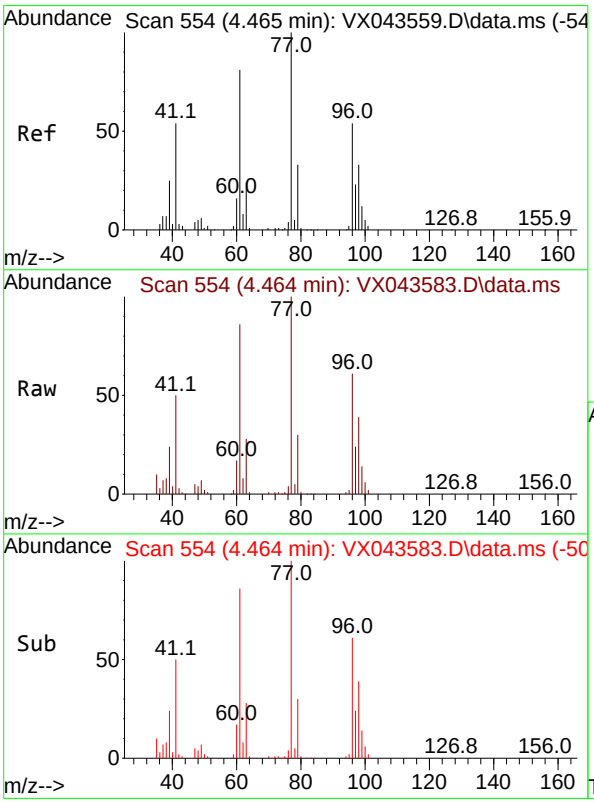
Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

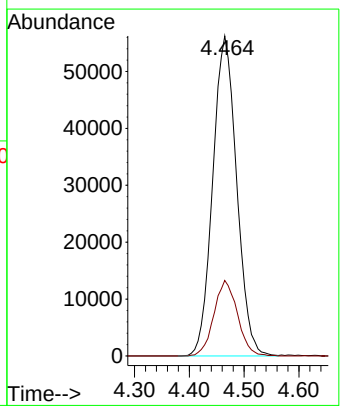
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

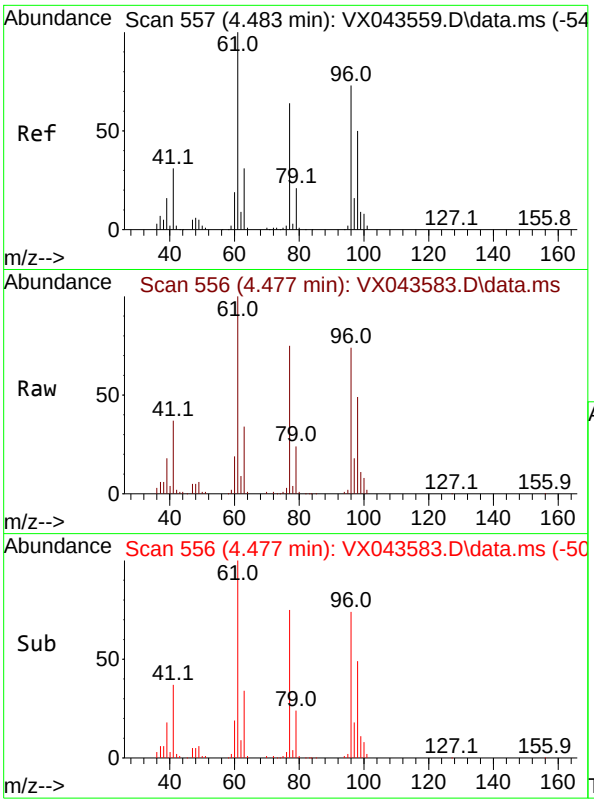


#26
2,2-Dichloropropane
Concen: 51.174 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 77 Resp: 170610

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 47.546 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

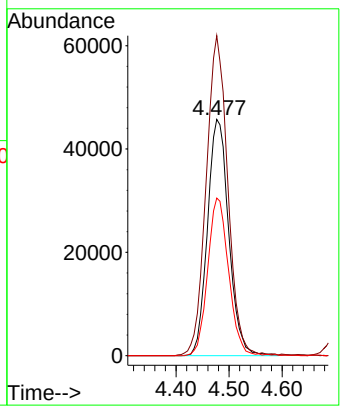
Tgt Ion: 96 Resp: 12718

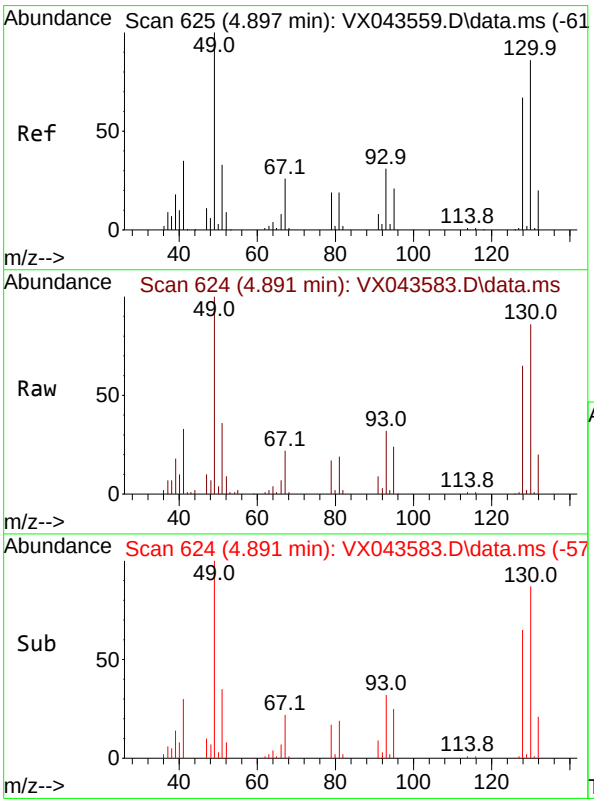
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	277.2
98	65.9	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

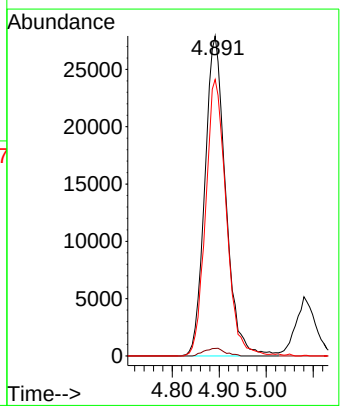


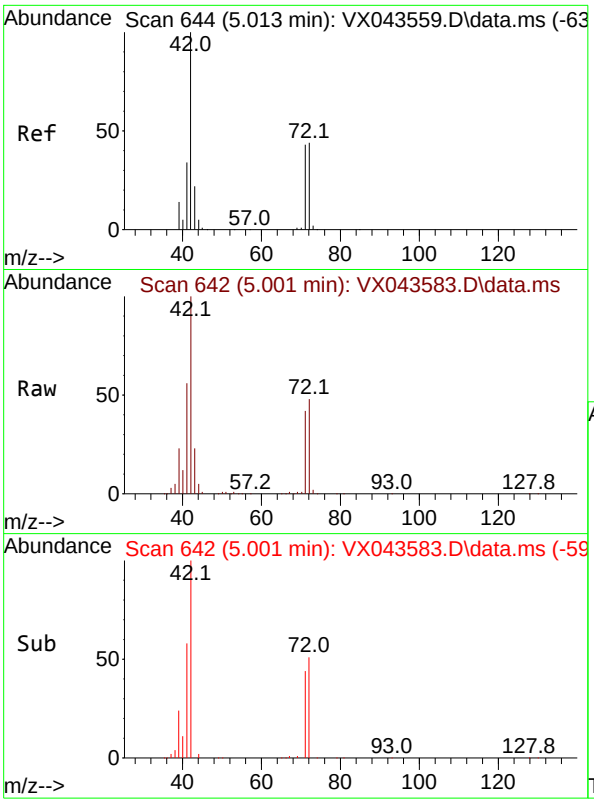


#28
Bromochloromethane
Concen: 44.155 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 49 Resp: 85552

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	85.5	67.8	101.8





#29
Tetrahydrofuran
Concen: 203.602 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

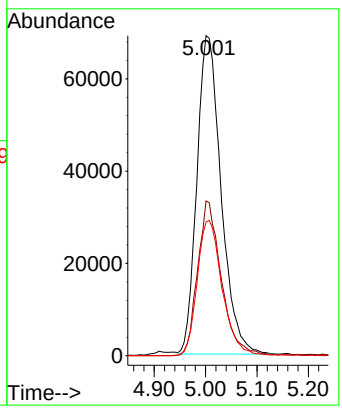
Tgt Ion: 42 Resp: 22614

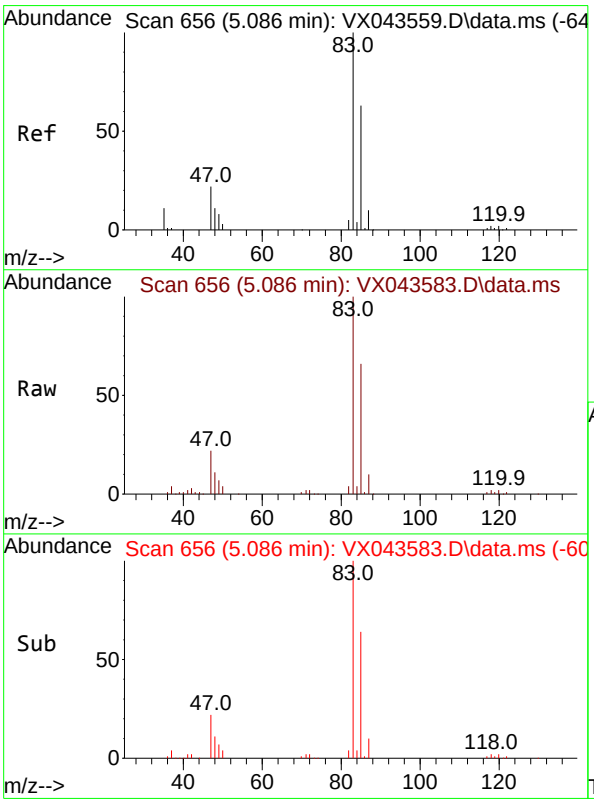
Ion	Ratio	Lower	Upper
42	100		
72	47.5	36.6	55.0
71	43.6	34.2	51.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

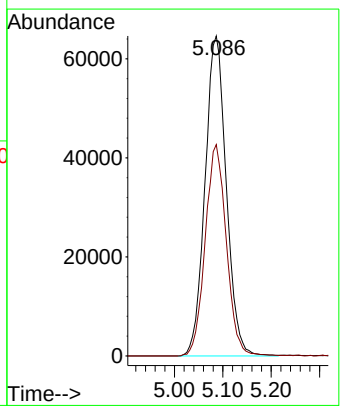


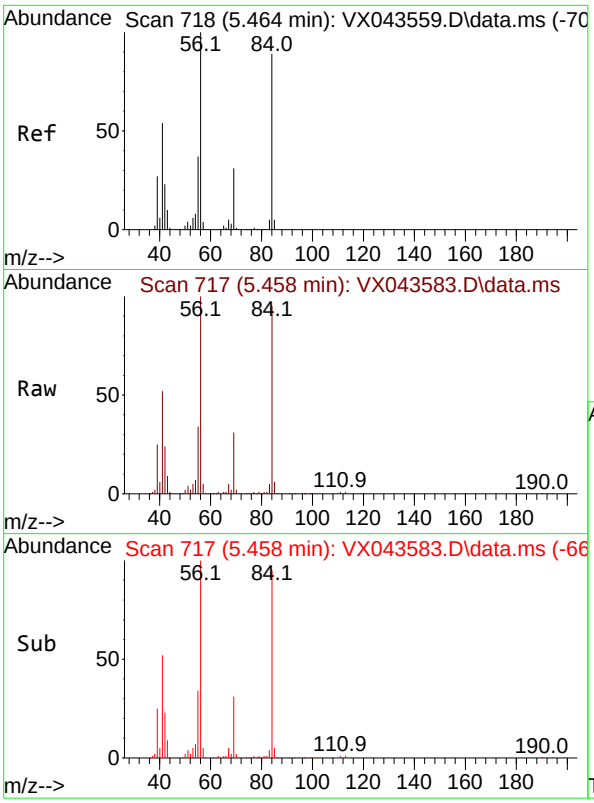


#30
Chloroform
Concen: 46.165 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 83 Resp: 197102

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4

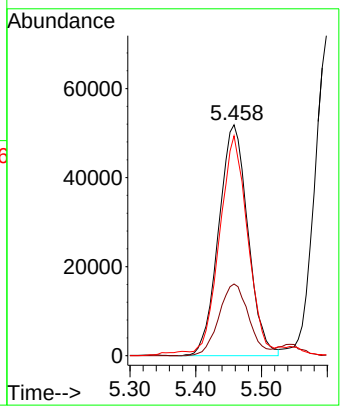




#31
Cyclohexane
Concen: 51.504 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 56 Resp: 16044

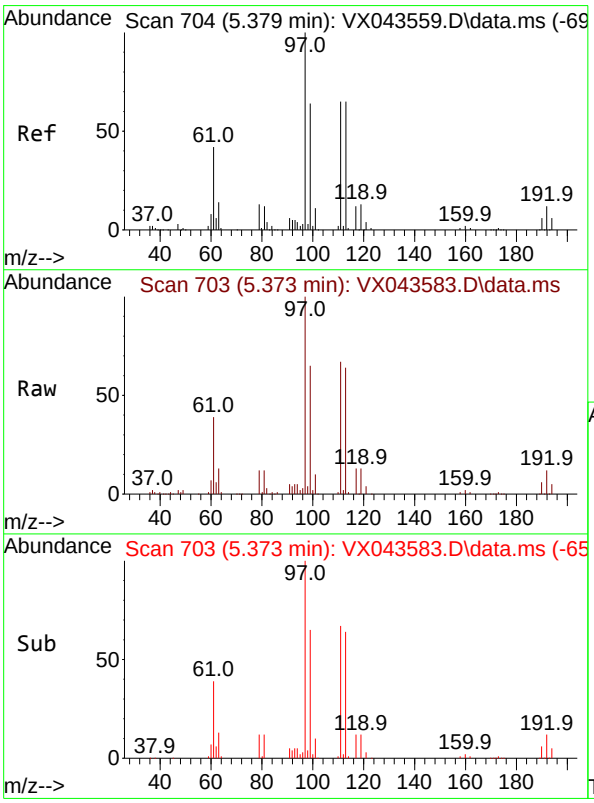
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	93.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

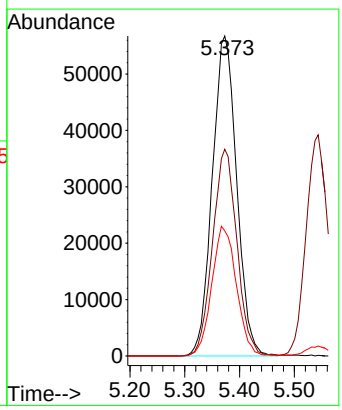
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

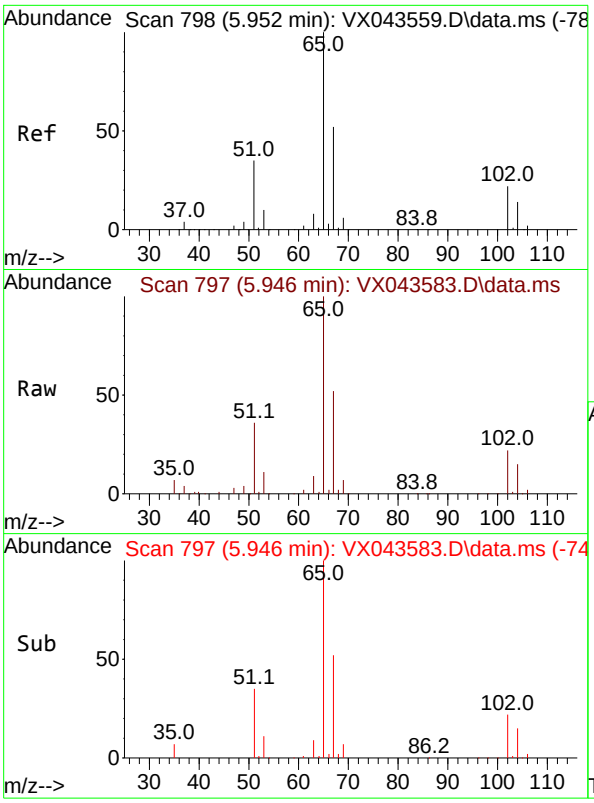


#32
1,1,1-Trichloroethane
Concen: 48.957 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 97 Resp: 175486

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	41.0	34.0	51.0

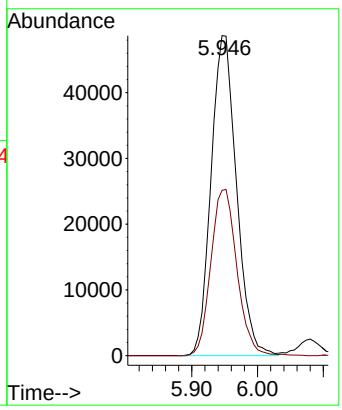




#33
1,2-Dichloroethane-d4
Concen: 44.394 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 65 Resp: 13098

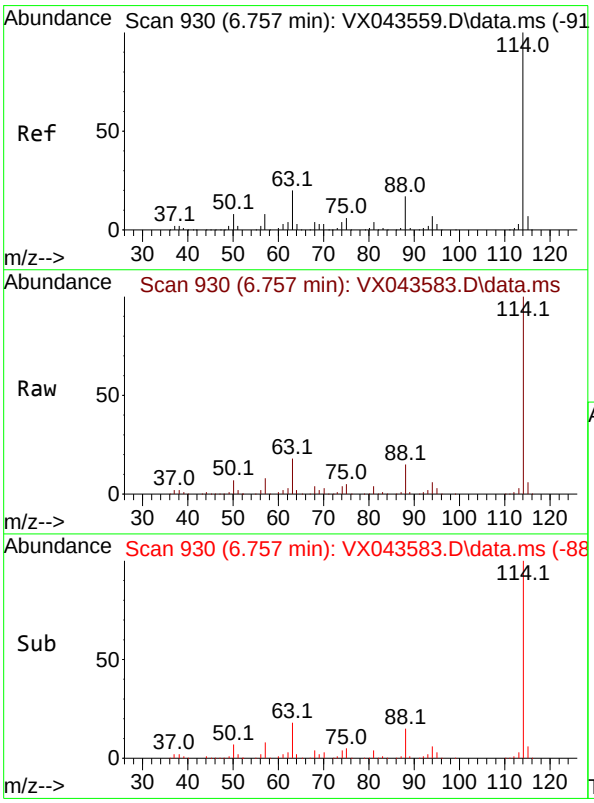
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

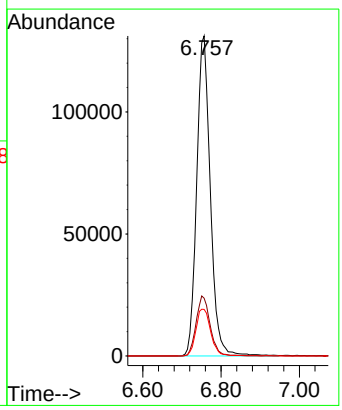
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

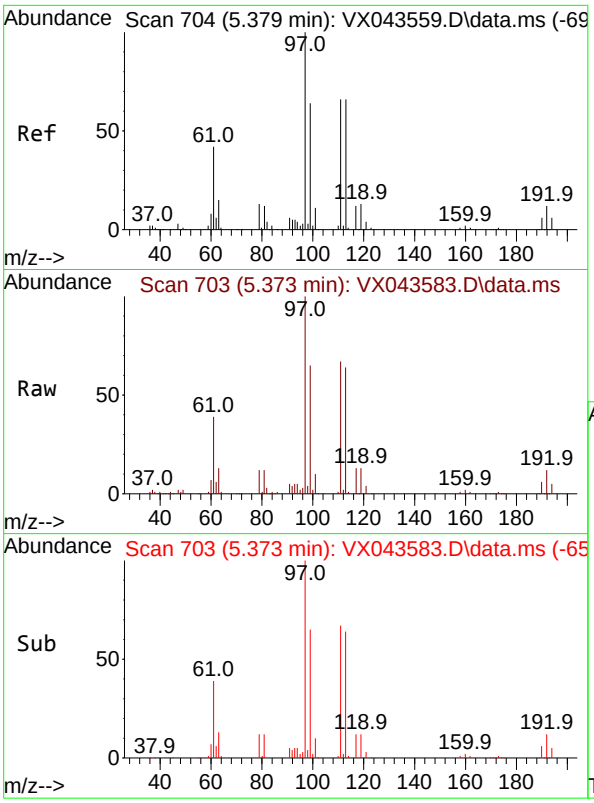


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:114 Resp: 317661

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	41.2
88	14.6	0.0	34.0

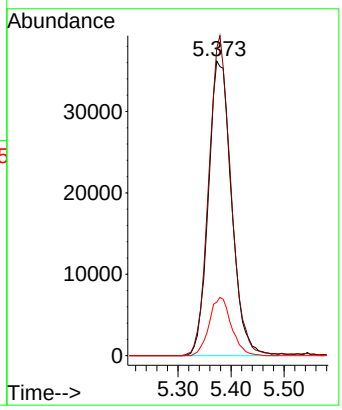




#35
Dibromofluoromethane
Concen: 50.941 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:113 Resp: 10973

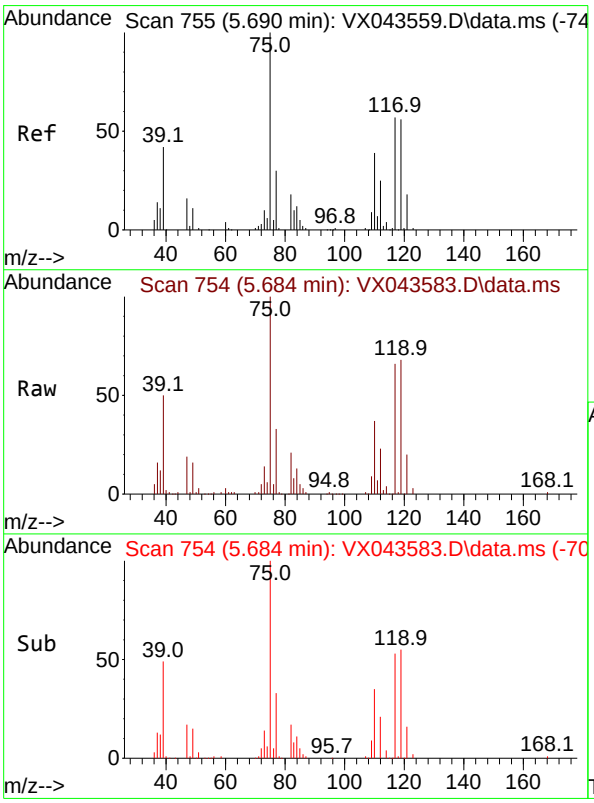
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	19.0	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

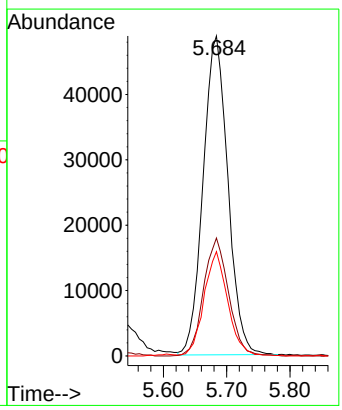
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

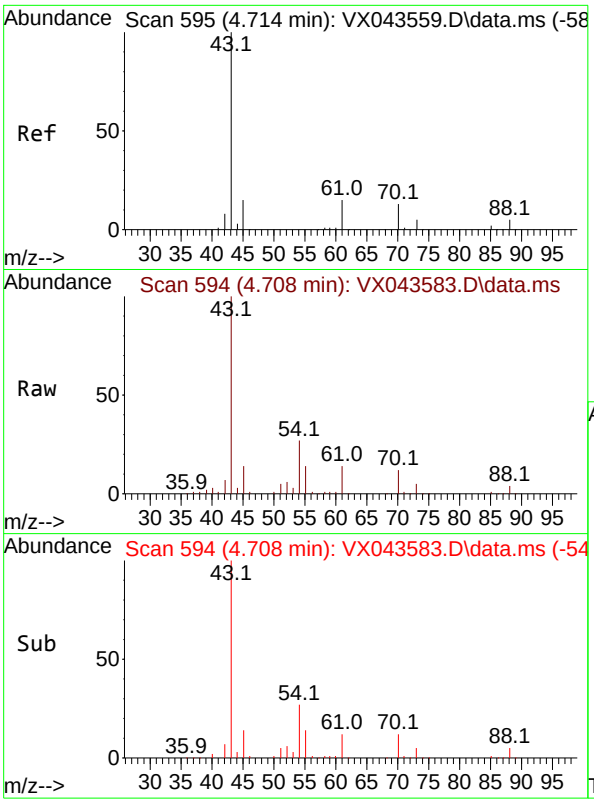


#36
1,1-Dichloropropene
Concen: 51.976 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 132757

Ion	Ratio	Lower	Upper
75	100		
110	37.3	17.9	53.7
77	31.5	25.0	37.4

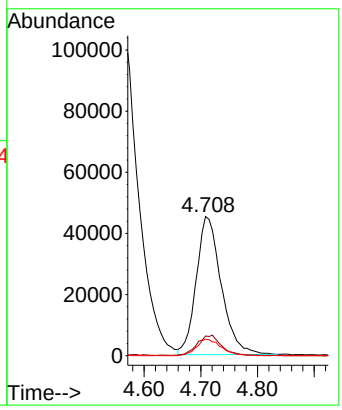




#37
Ethyl Acetate
Concen: 44.531 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 13808

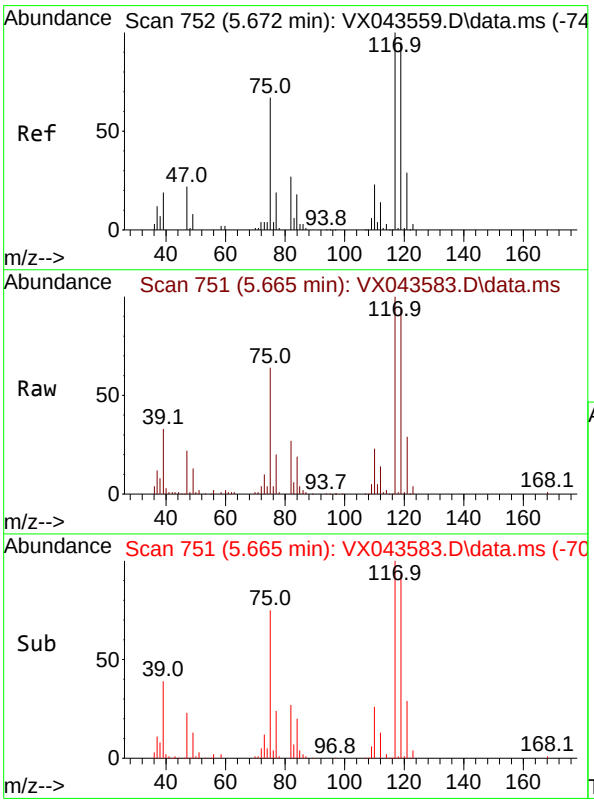
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.6
70	11.8	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

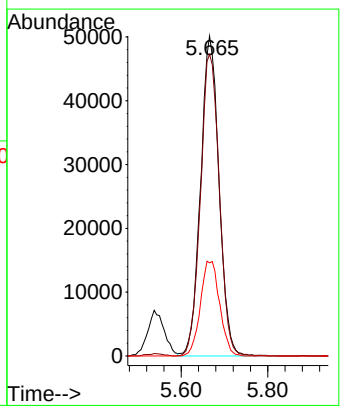
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

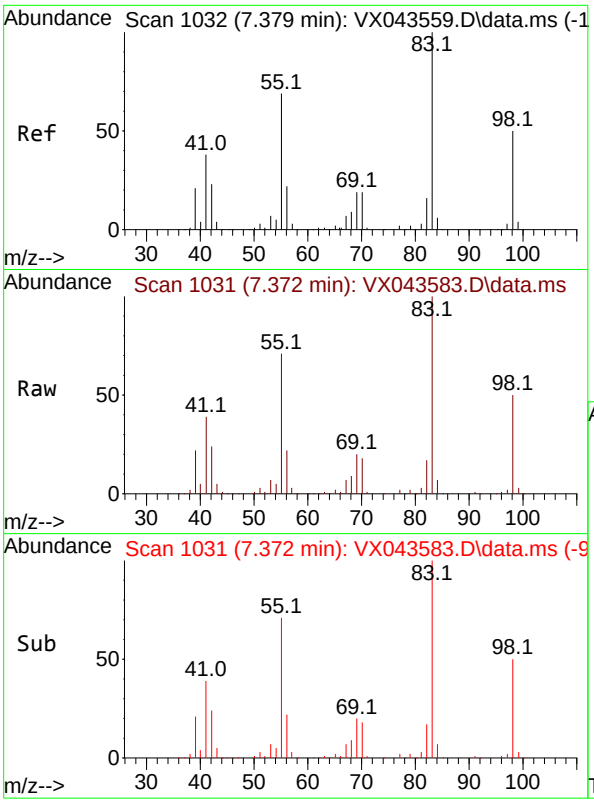


#38
Carbon Tetrachloride
Concen: 52.449 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:117 Resp: 148021

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
121	29.1	24.7	37.1

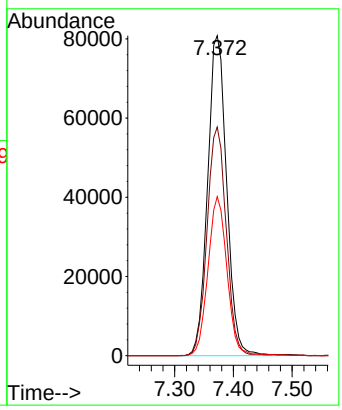




#39
Methylcyclohexane
Concen: 57.467 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 83 Resp: 18223

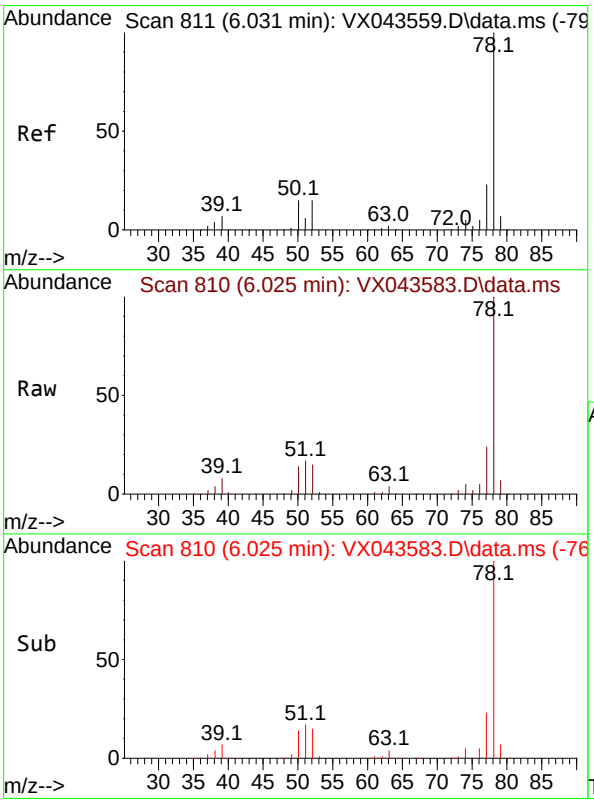
Ion	Ratio	Lower	Upper
83	100		
55	71.5	59.9	89.9
98	49.7	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

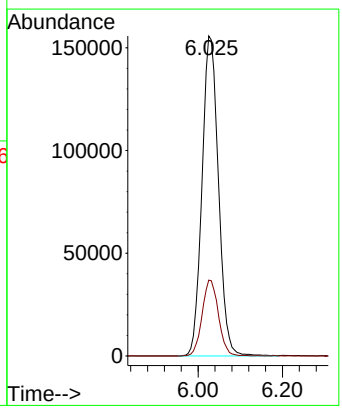
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

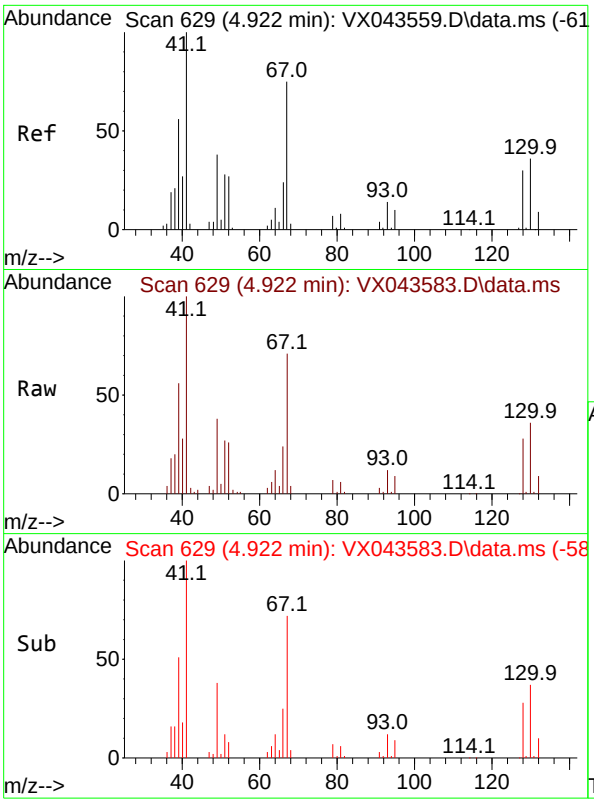


#40
Benzene
Concen: 49.678 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 78 Resp: 423307

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.4	27.6

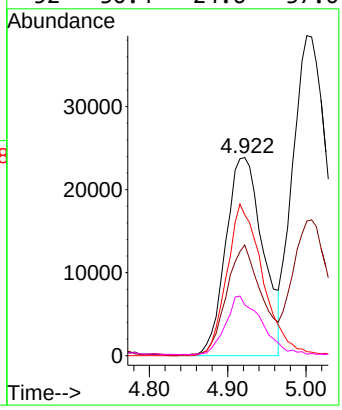




#41
Methacrylonitrile
Concen: 48.472 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 41 Resp: 7889

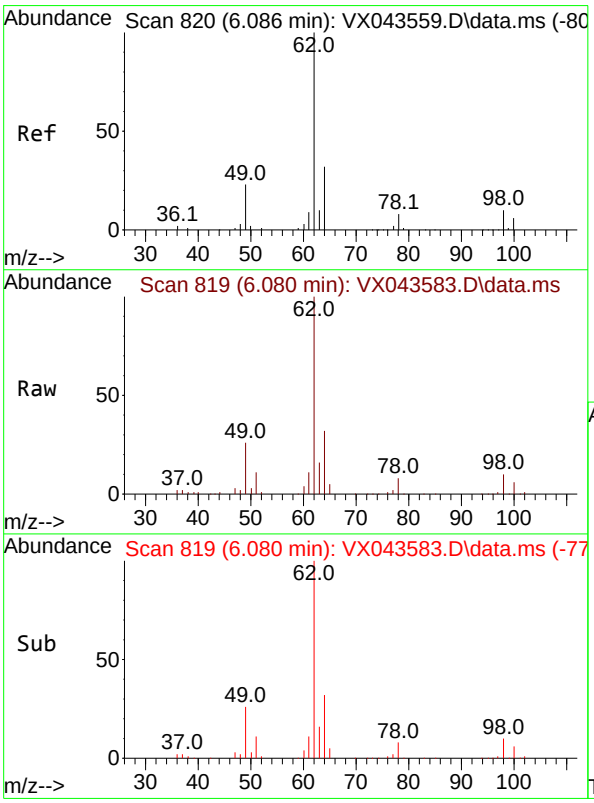
Ion	Ratio	Lower	Upper
41	100		
39	52.2	43.5	65.3
67	74.3	58.3	87.5
52	30.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

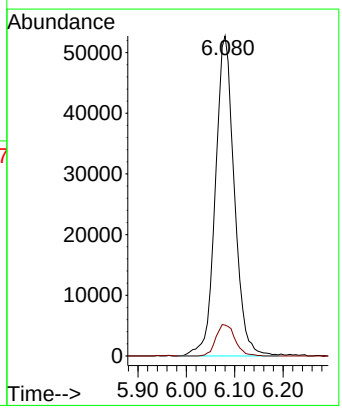
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

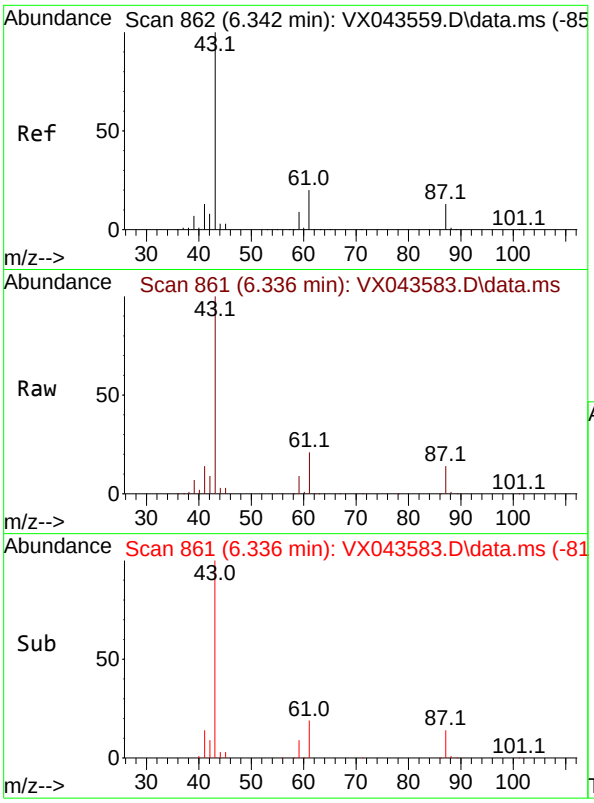


#42
1,2-Dichloroethane
Concen: 46.823 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 62 Resp: 143431

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.8





#43
Isopropyl Acetate
Concen: 45.631 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

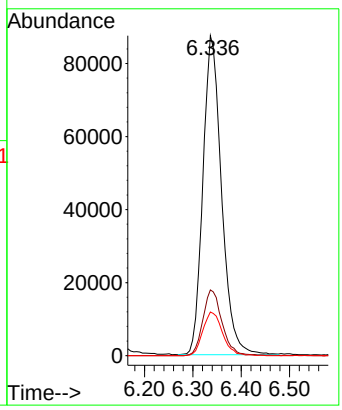
Tgt Ion: 43 Resp: 23400

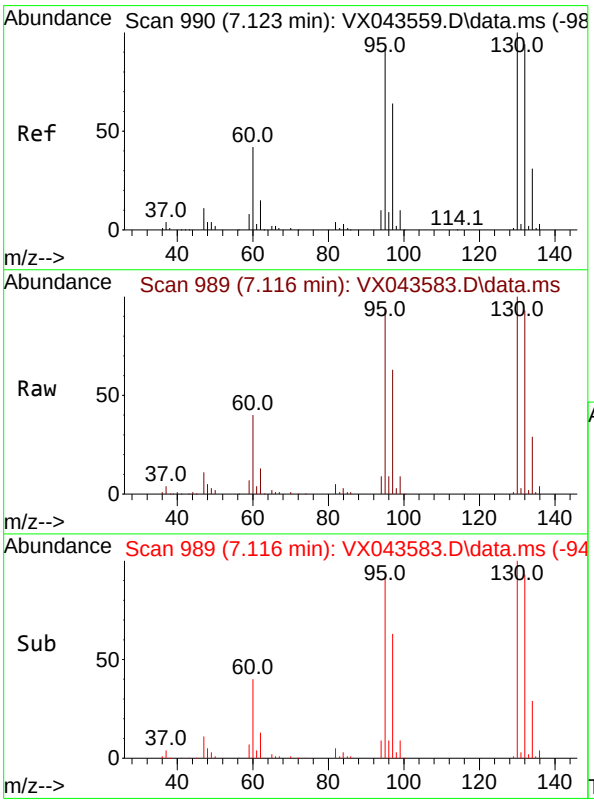
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.2	24.4
87	14.5	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

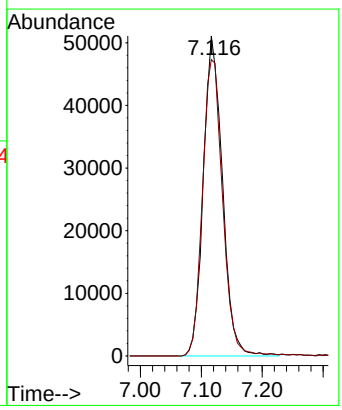


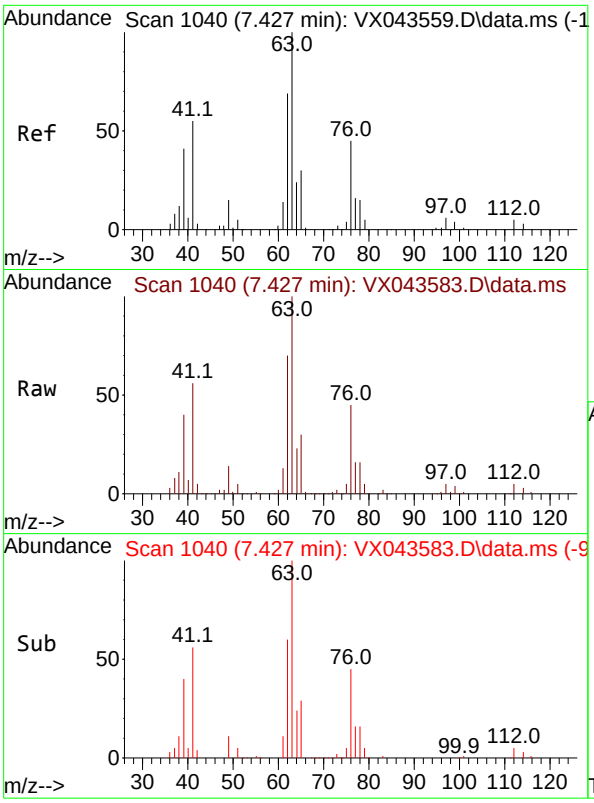


#44
Trichloroethene
Concen: 52.676 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:130 Resp: 111507

Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	202.6

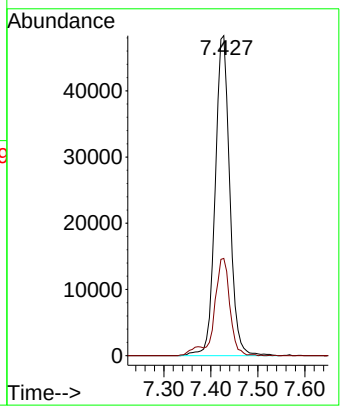




#45
1,2-Dichloropropane
Concen: 49.511 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 63 Resp: 10387

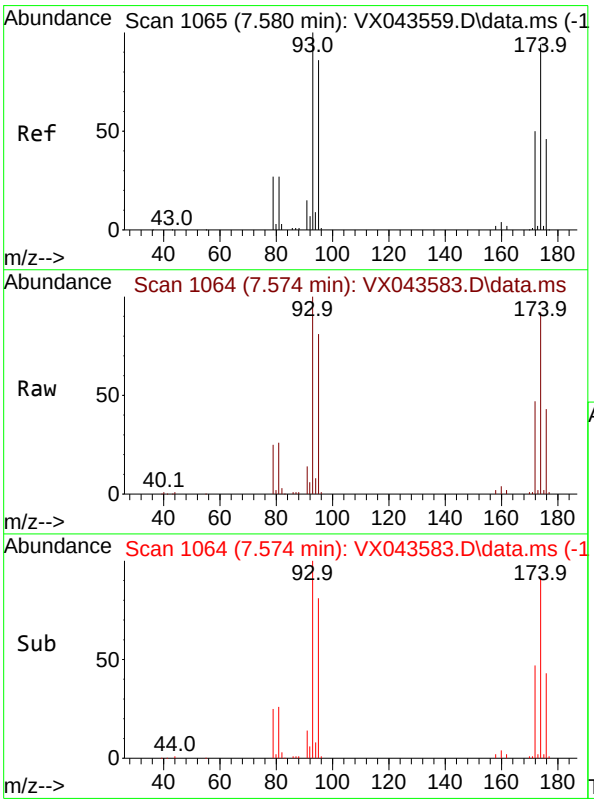
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

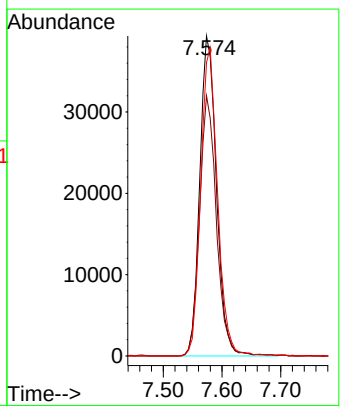
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

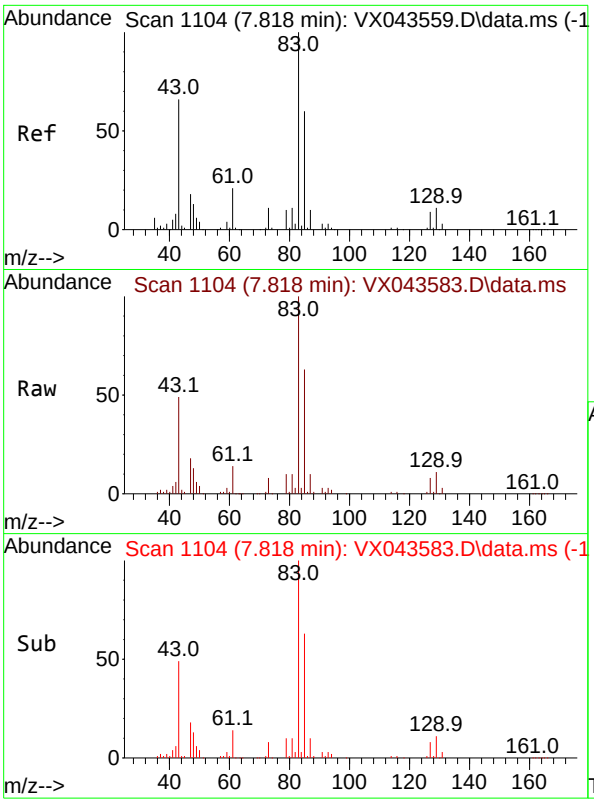


#46
Dibromomethane
Concen: 48.105 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 93 Resp: 77712

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.4	99.6
174	97.4	75.0	112.4

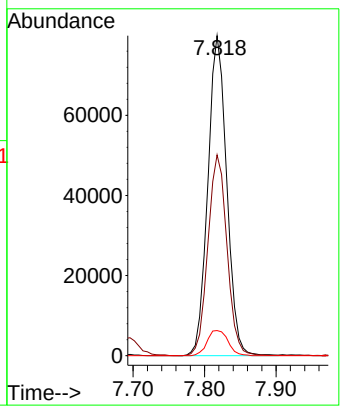




#47
Bromodichloromethane
Concen: 51.705 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 83 Resp: 14653

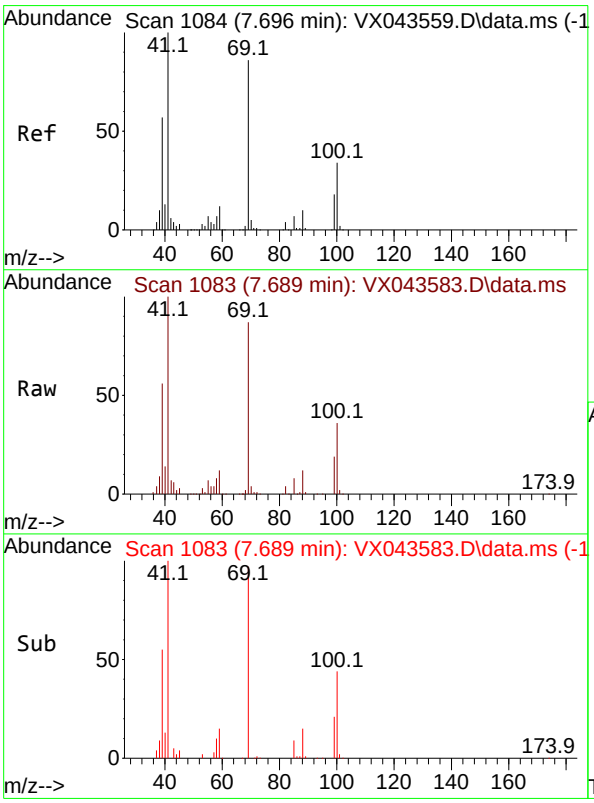
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.4
127	7.9	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

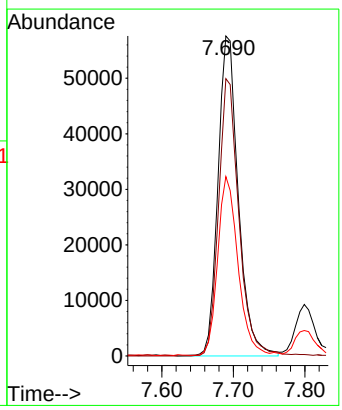
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

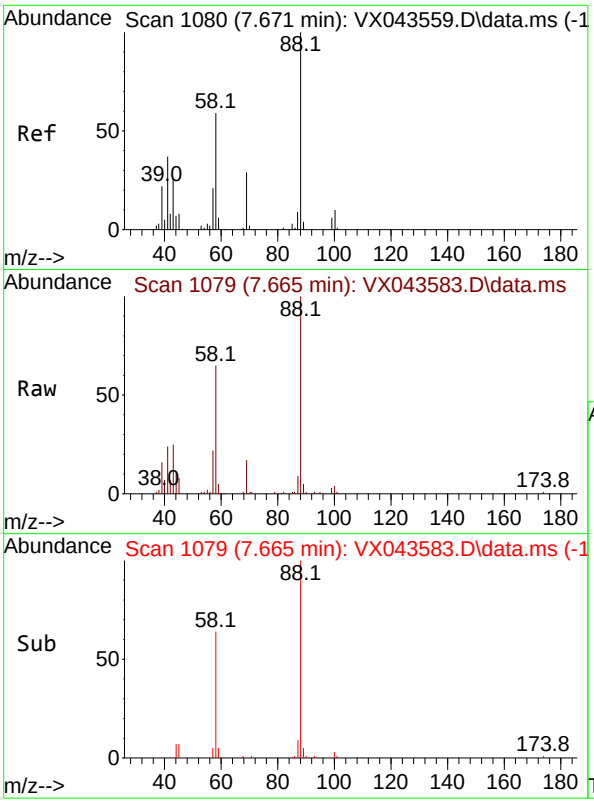


#48
Methyl methacrylate
Concen: 46.843 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 41 Resp: 113890

Ion	Ratio	Lower	Upper
41	100		
69	86.9	67.7	101.5
39	56.0	46.3	69.5





#49
1,4-Dioxane
Concen: 959.544 ug/l m
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

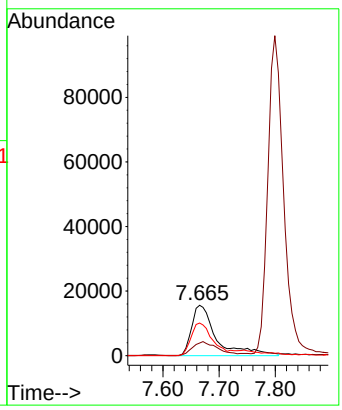
Tgt Ion: 88 Resp: 4793

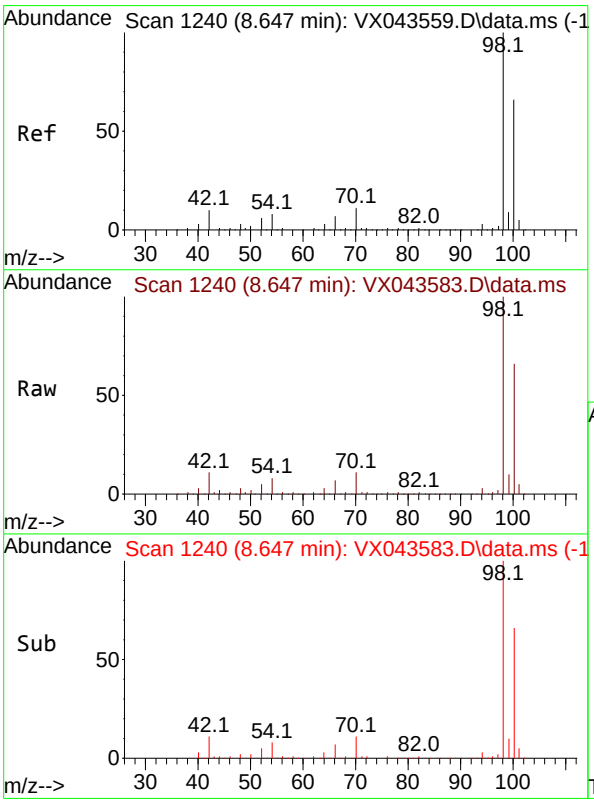
Ion	Ratio	Lower	Upper
88	100		
43	27.6	25.3	37.9
58	58.2	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

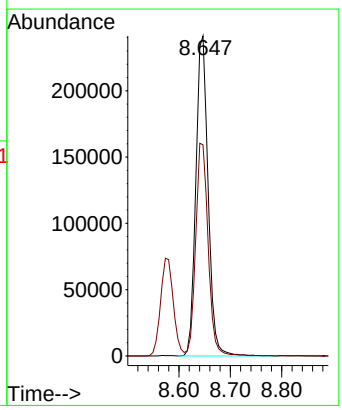


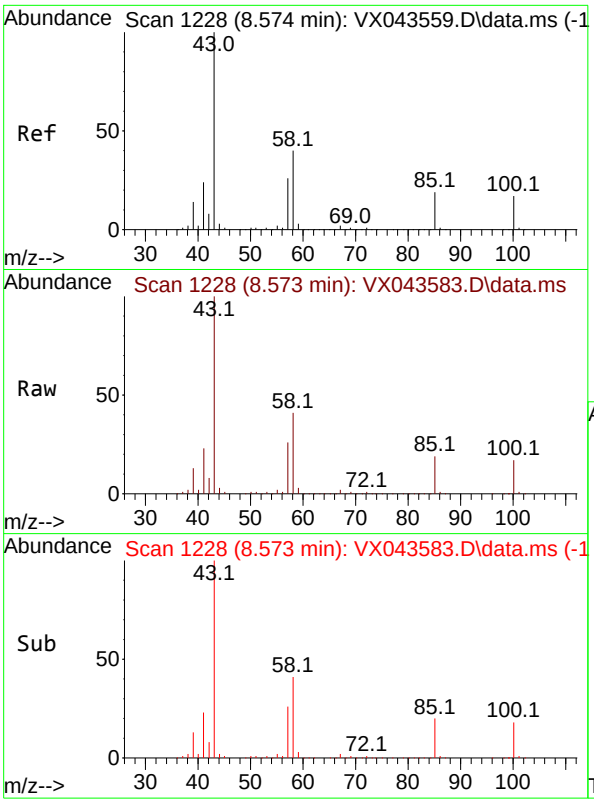


#50
Toluene-d8
Concen: 53.676 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 98 Resp: 400238

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2





#51
4-Methyl-2-Pentanone
Concen: 229.232 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

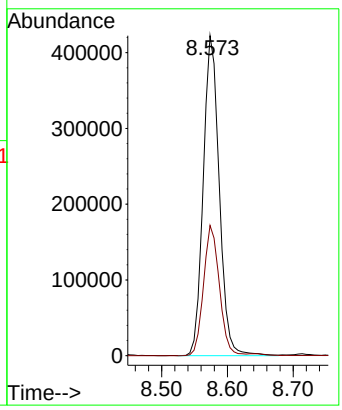
Tgt Ion: 43 Resp: 71648

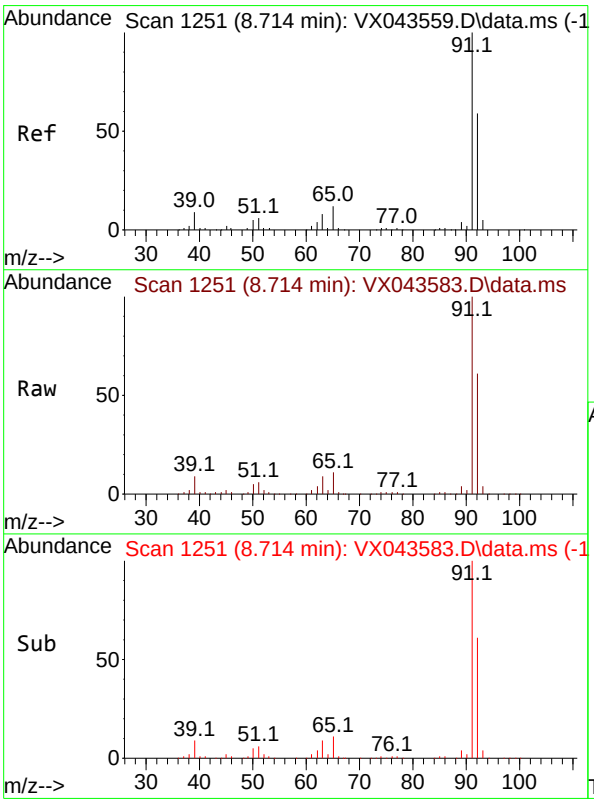
Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.7	47.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

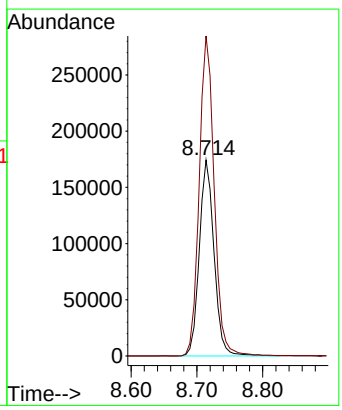


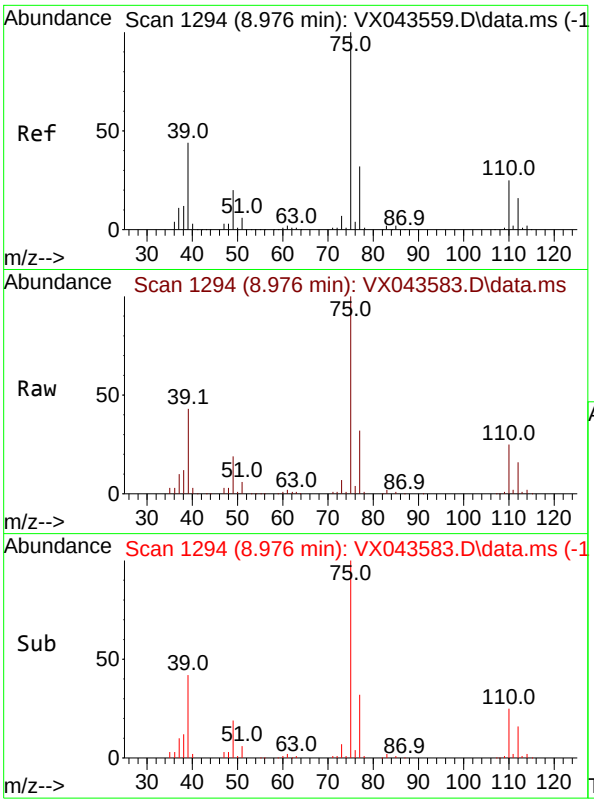


#52
Toluene
Concen: 52.511 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 92 Resp: 271357

Ion	Ratio	Lower	Upper
92	100		
91	166.7	135.7	203.5

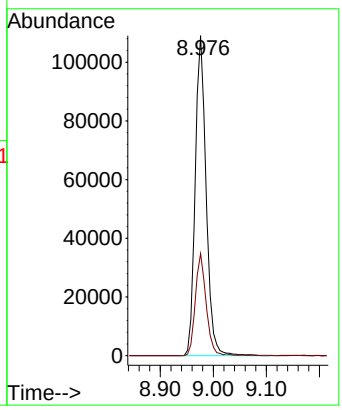




#53
t-1,3-Dichloropropene
Concen: 51.148 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 15568

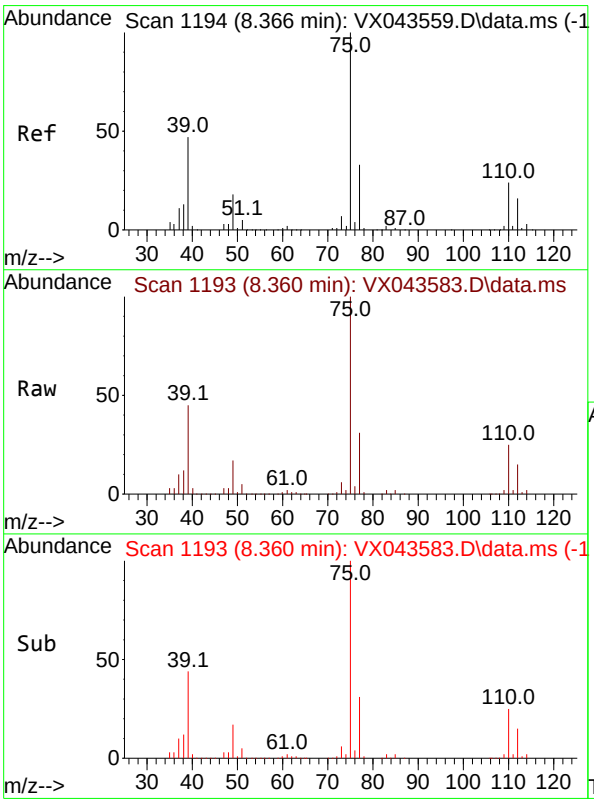
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

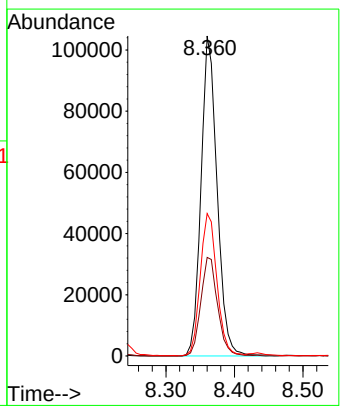
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

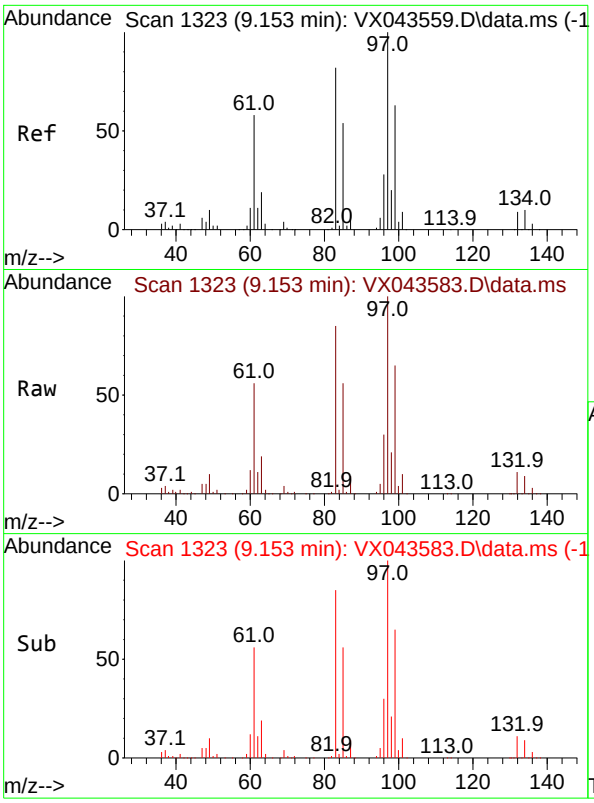


#54
cis-1,3-Dichloropropene
Concen: 52.575 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 170511

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	44.5	37.7	56.5

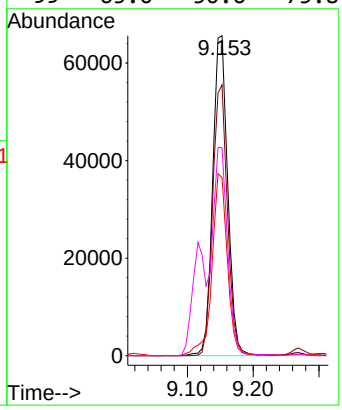




#55
1,1,2-Trichloroethane
Concen: 48.542 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 97 Resp: 10441

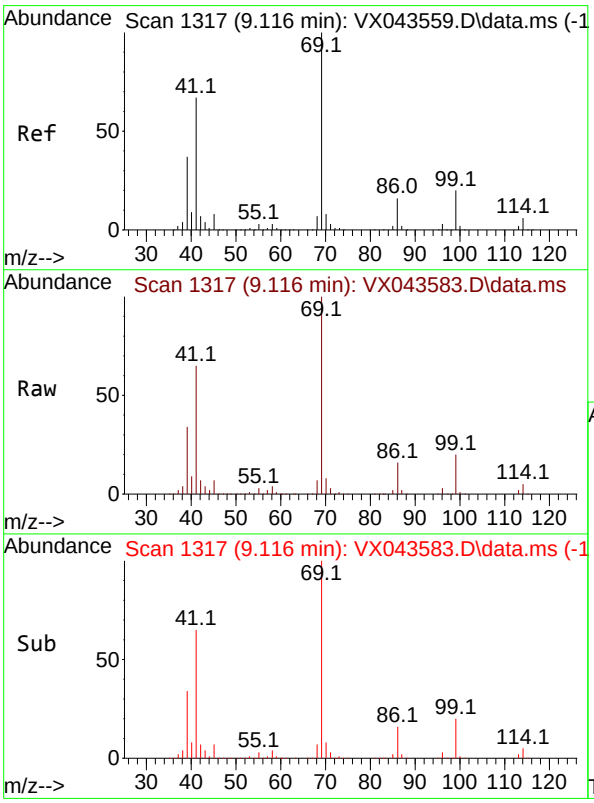
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.3	100.9
85	55.7	43.6	65.4
99	65.0	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

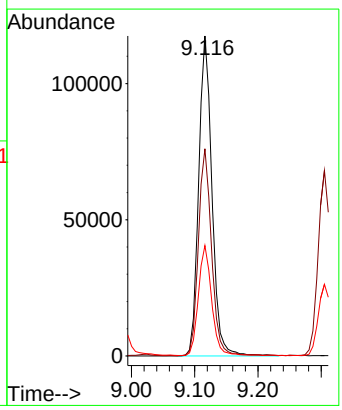
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

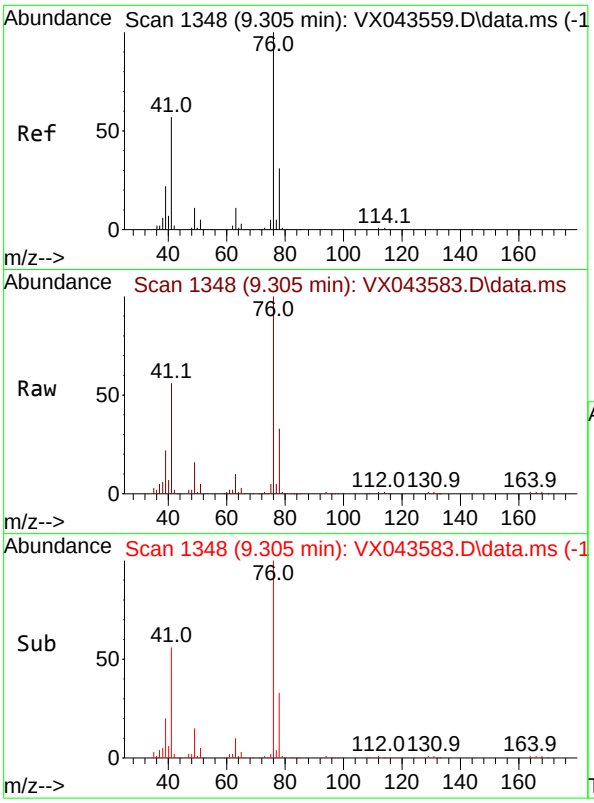


#56
Ethyl methacrylate
Concen: 49.201 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 69 Resp: 171964

Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.8	80.8
39	34.2	29.9	44.9





#57
1,3-Dichloropropane
Concen: 49.396 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

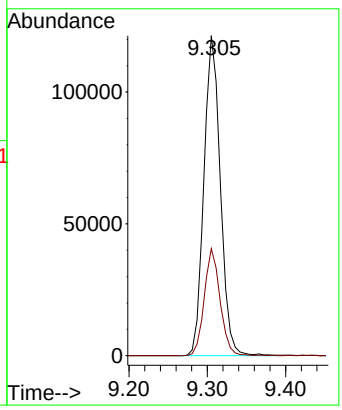
Tgt Ion: 76 Resp: 17671

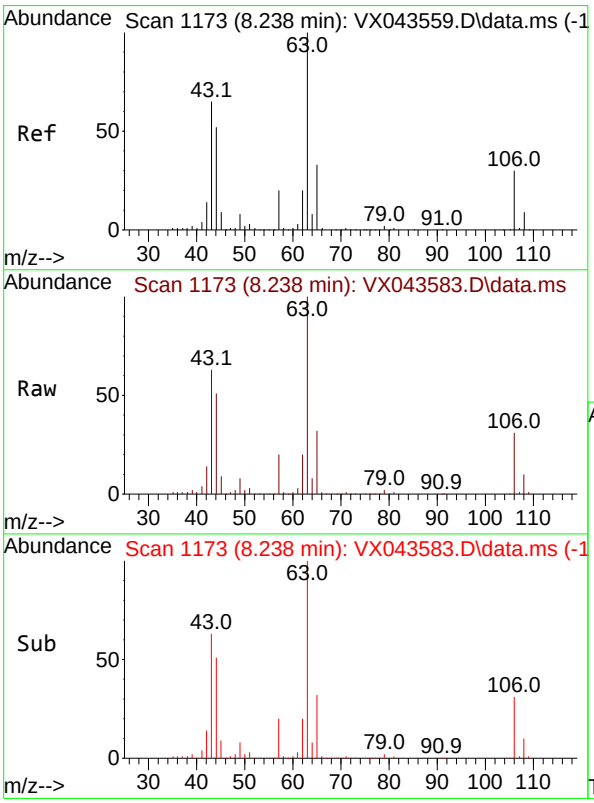
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

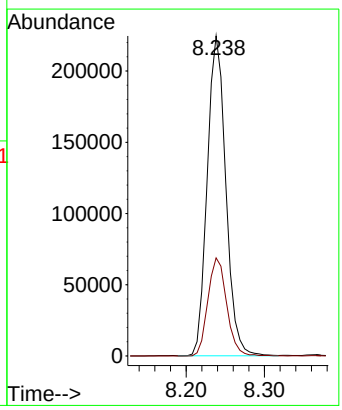


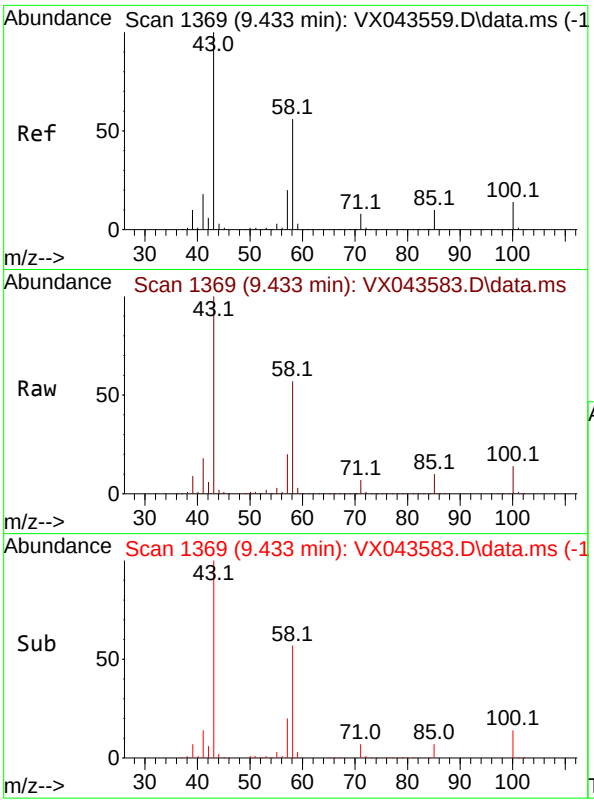


#58
2-Chloroethyl Vinyl ether
Concen: 218.483 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 63 Resp: 369838

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.6	35.4





#59
2-Hexanone
Concen: 235.767 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

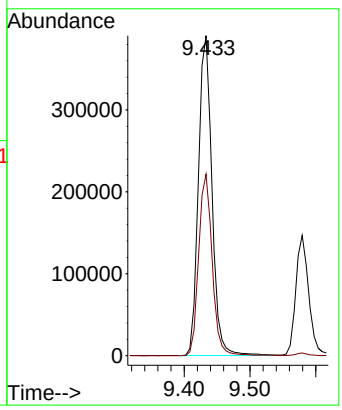
Tgt Ion: 43 Resp: 55968

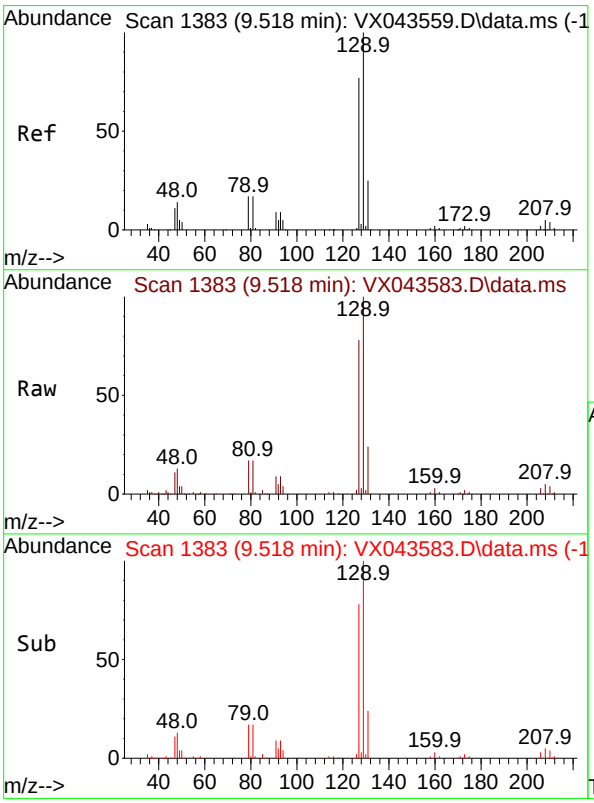
Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

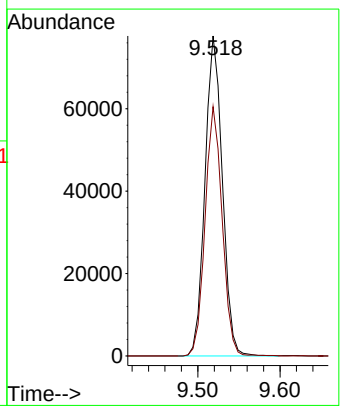


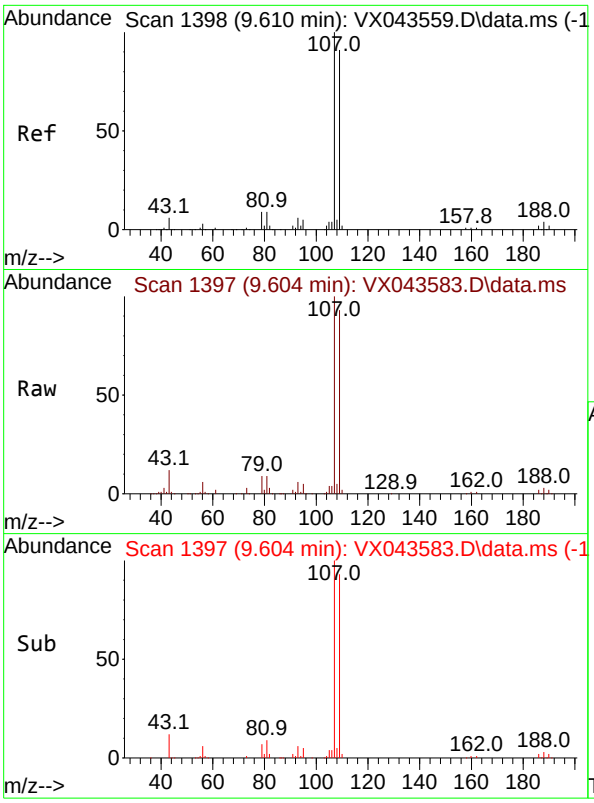


#60
Dibromochloromethane
Concen: 53.432 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:129 Resp: 113810

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.1





#61
1,2-Dibromoethane
Concen: 49.183 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

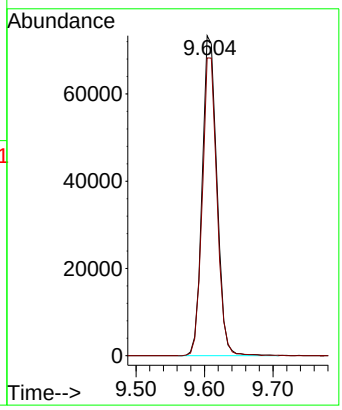
Tgt Ion:107 Resp: 10982

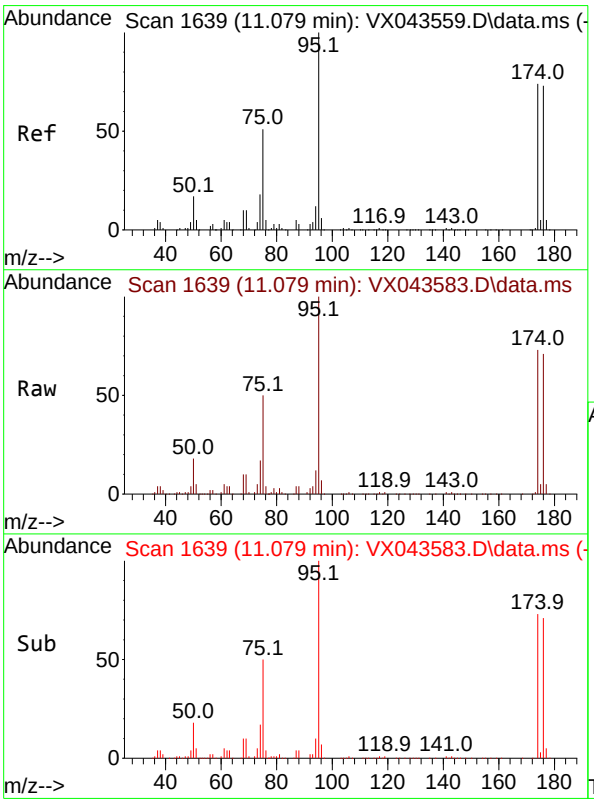
Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.1	115.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

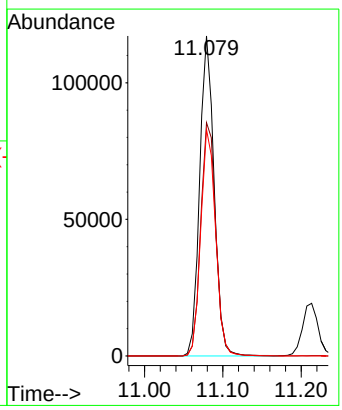


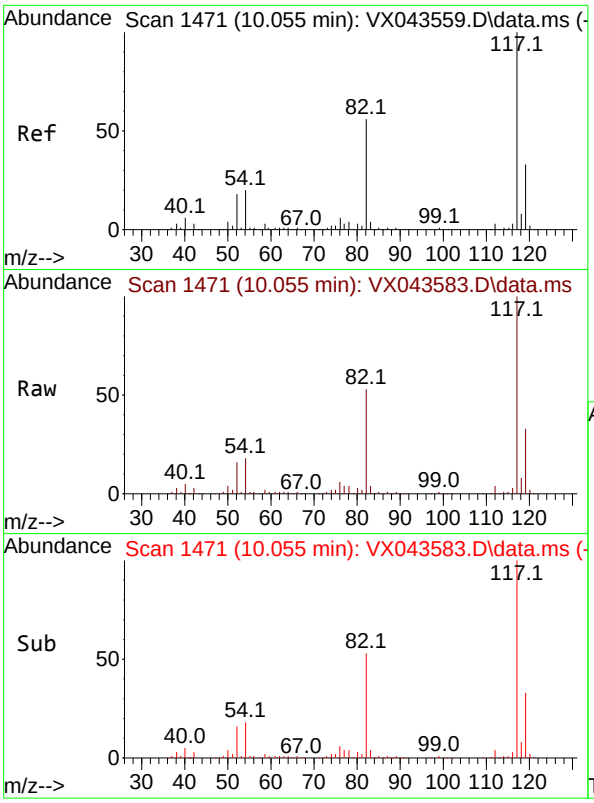


#62
4-Bromofluorobenzene
Concen: 54.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 95 Resp: 149677

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	146.6
176	72.9	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

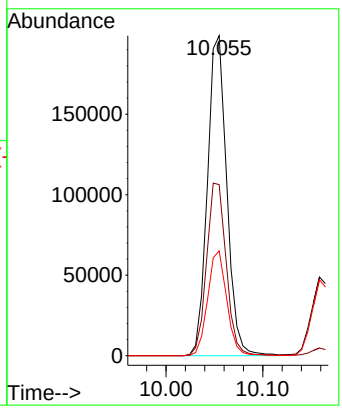
Tgt Ion:117 Resp: 27712

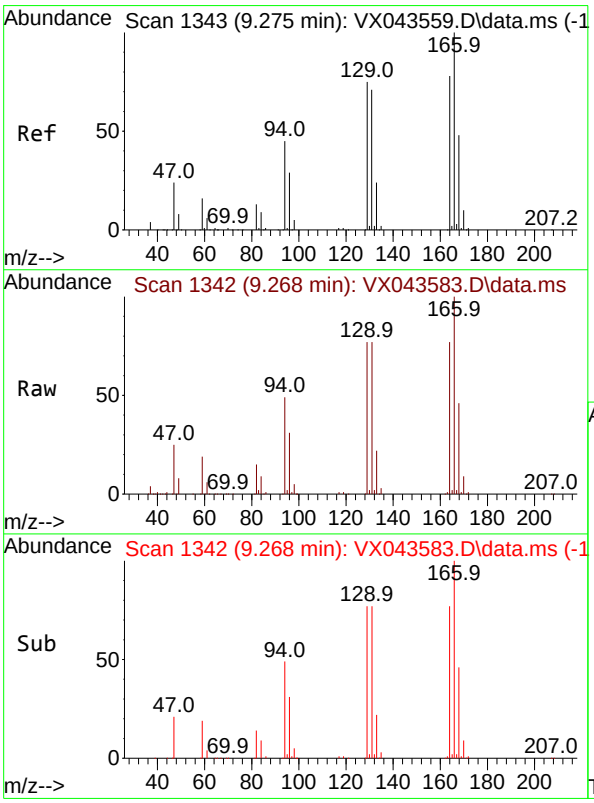
Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.7	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

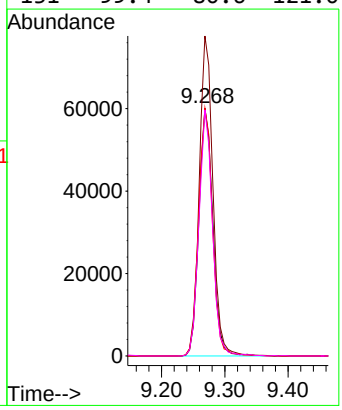


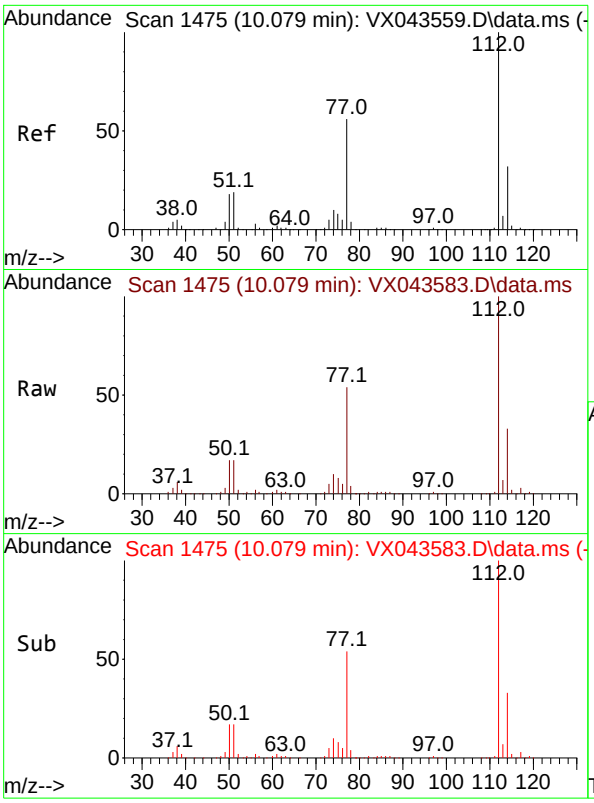


#64
Tetrachloroethene
Concen: 52.901 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:164 Resp: 92204

Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.8	155.6
129	100.0	83.8	125.6
131	99.4	80.6	121.0





#65
Chlorobenzene
Concen: 50.750 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

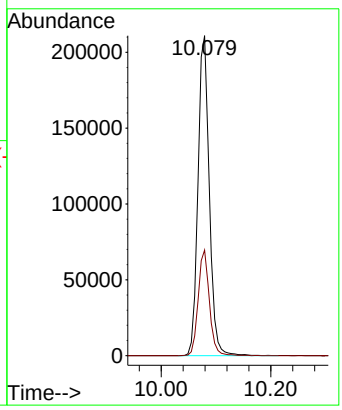
Tgt Ion:112 Resp: 30257

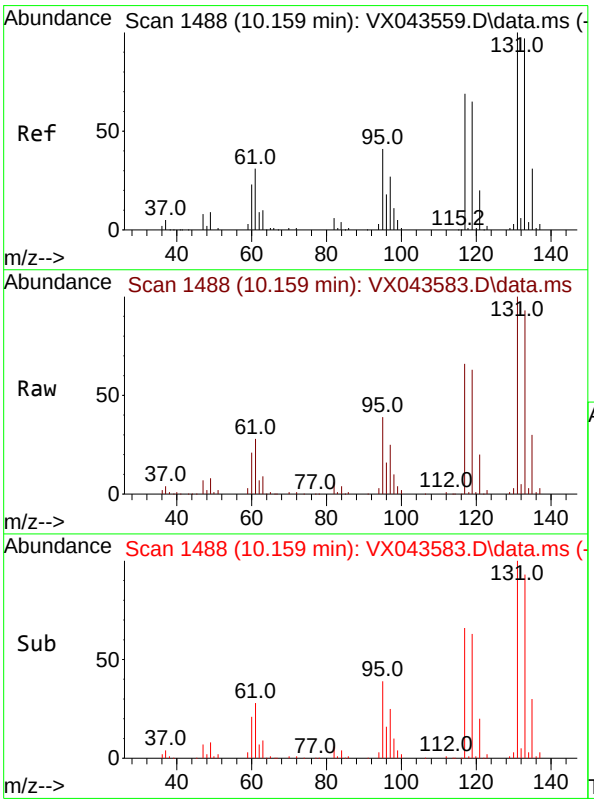
Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

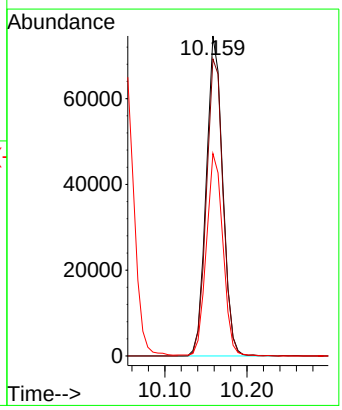


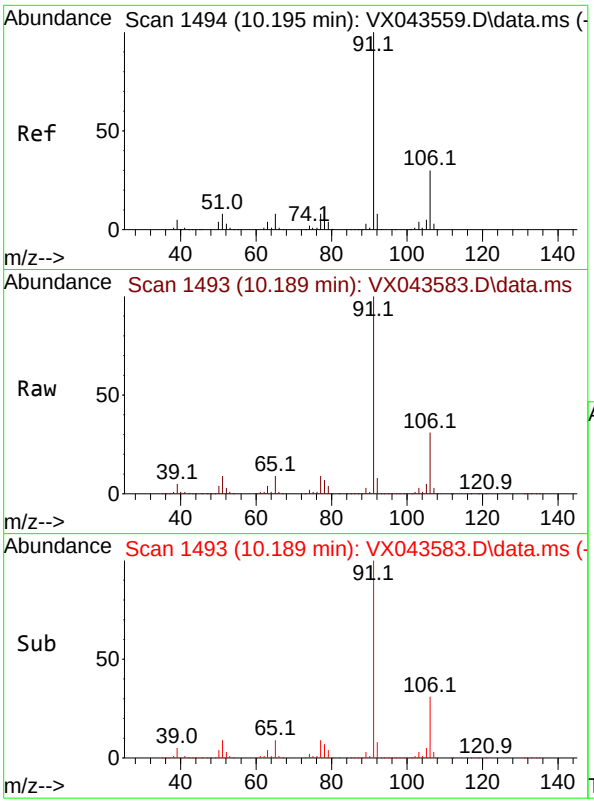


#66
1,1,1,2-Tetrachloroethane
Concen: 53.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:131 Resp: 103710

Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.0
119	63.8	32.3	96.9

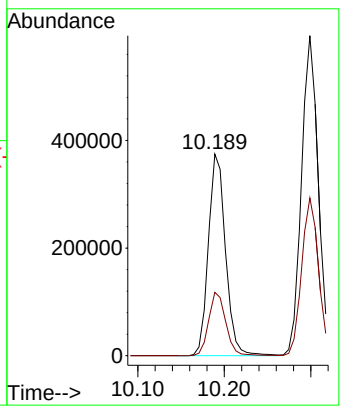




#67
Ethyl Benzene
Concen: 53.028 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 91 Resp: 51553

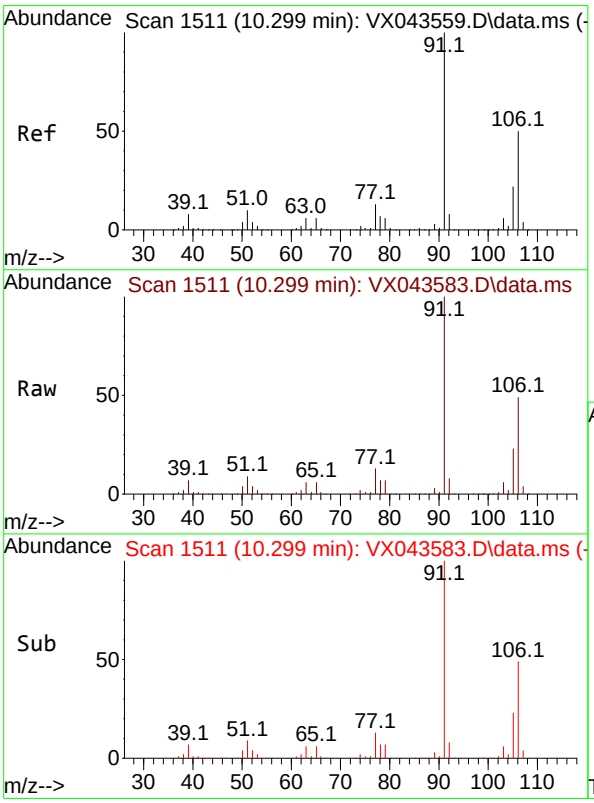
Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

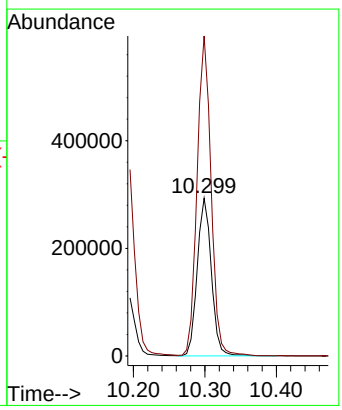
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

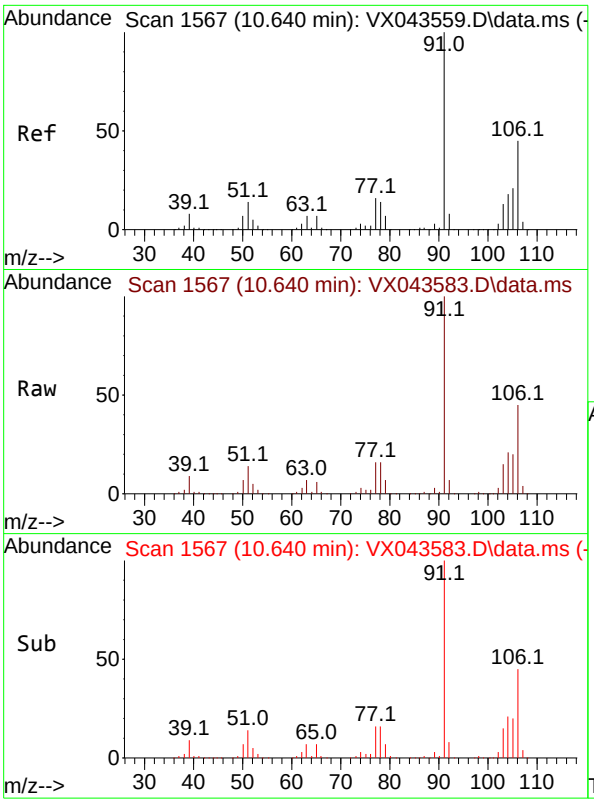


#68
m/p-Xylenes
Concen: 108.089 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:106 Resp: 401855

Ion	Ratio	Lower	Upper
106	100		
91	201.4	164.7	247.1

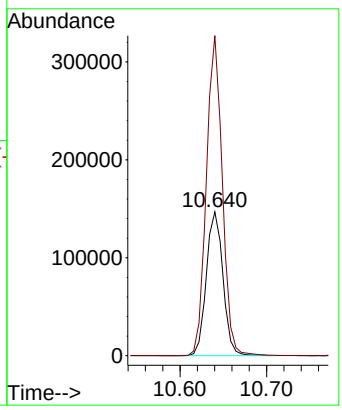




#69
o-Xylene
Concen: 52.523 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:106 Resp: 19619

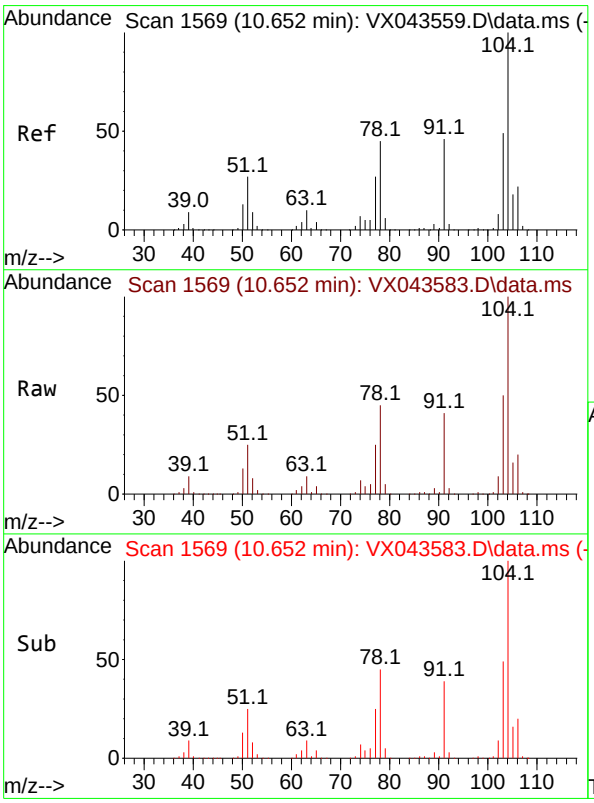
Ion	Ratio	Lower	Upper
106	100		
91	213.5	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

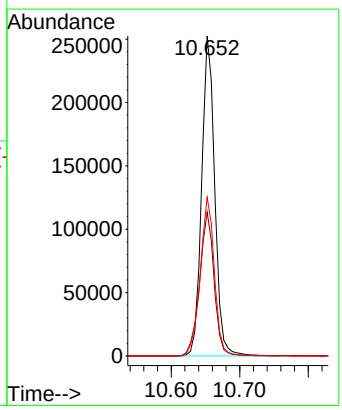
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

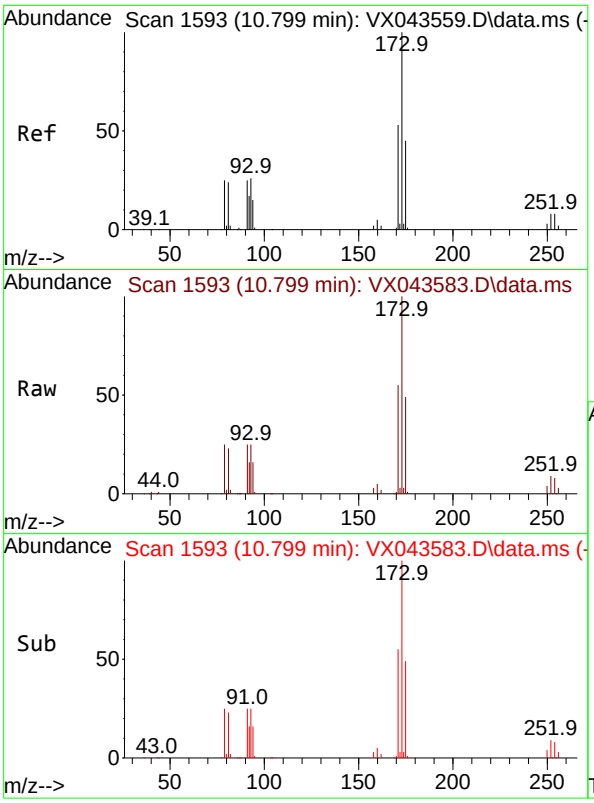


#70
Styrene
Concen: 54.130 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:104 Resp: 336072

Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.0	60.0
103	53.8	43.4	65.0

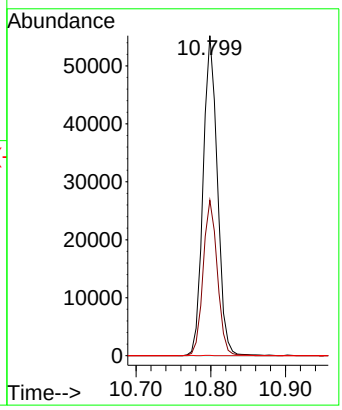




#71
Bromoform
Concen: 52.407 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:173 Resp: 7338

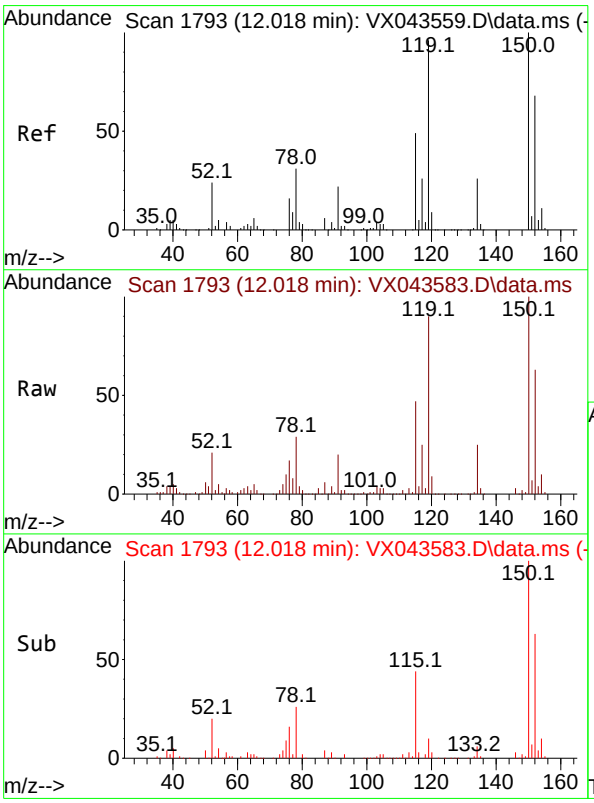
Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.3	69.9
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

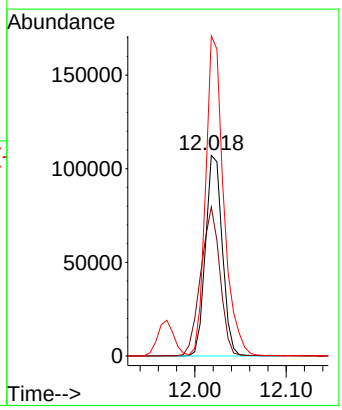
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

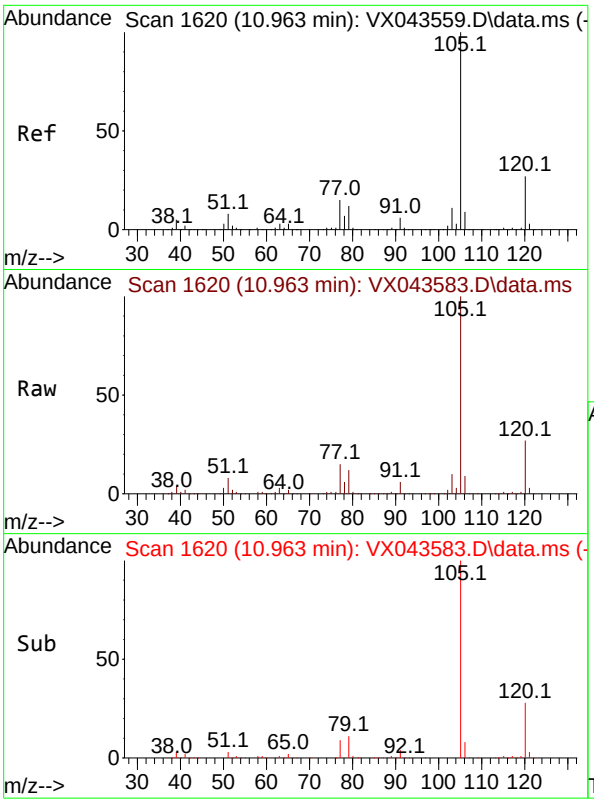


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:152 Resp: 136145

Ion	Ratio	Lower	Upper
152	100		
115	85.2	42.9	128.7
150	171.6	0.0	343.6





#73
Isopropylbenzene
Concen: 52.592 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

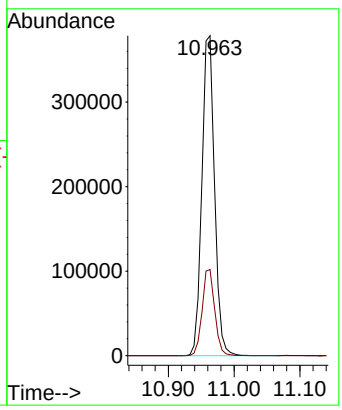
Tgt Ion:105 Resp: 50719

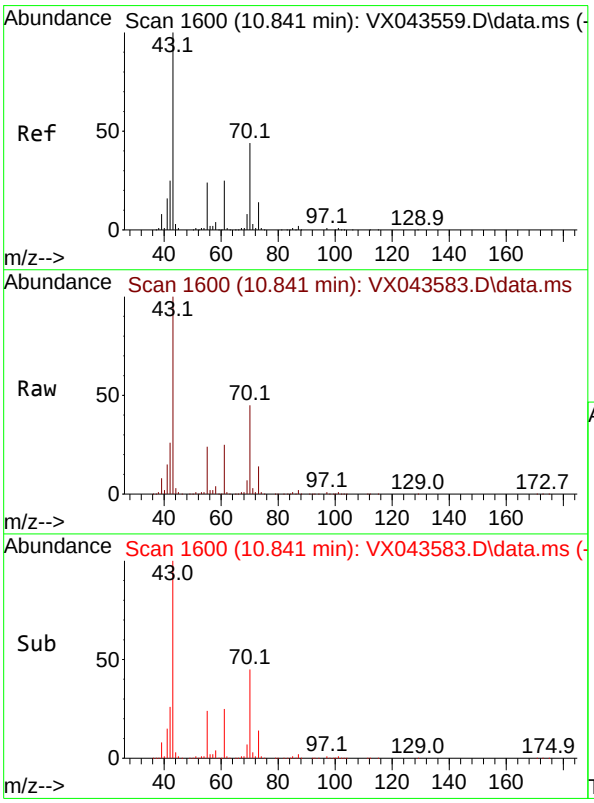
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

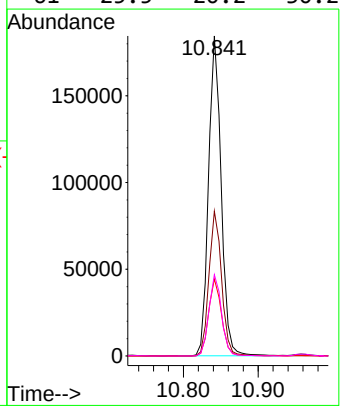


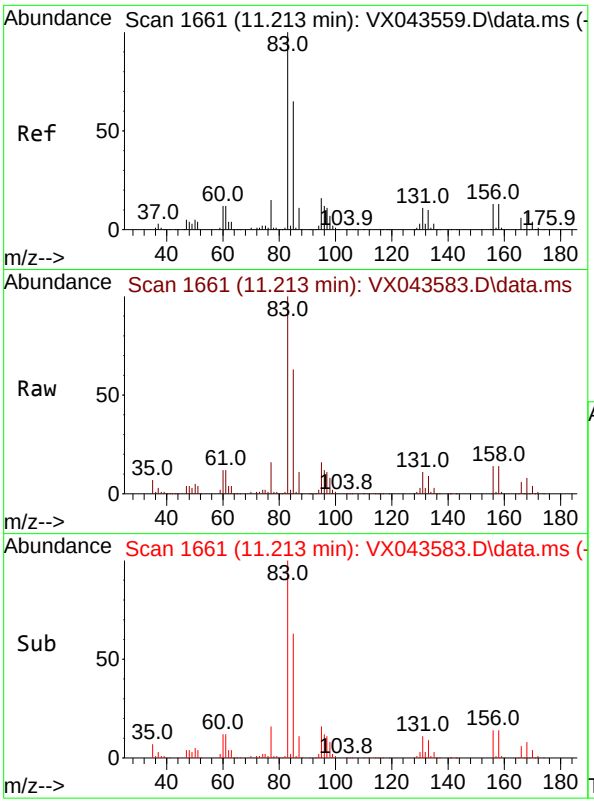


#74
N-amyl acetate
Concen: 46.083 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 216499

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.6	52.0
55	24.7	19.6	29.4
61	25.5	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 46.182 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

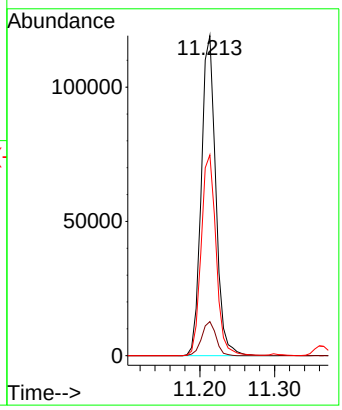
Tgt Ion: 83 Resp: 16015

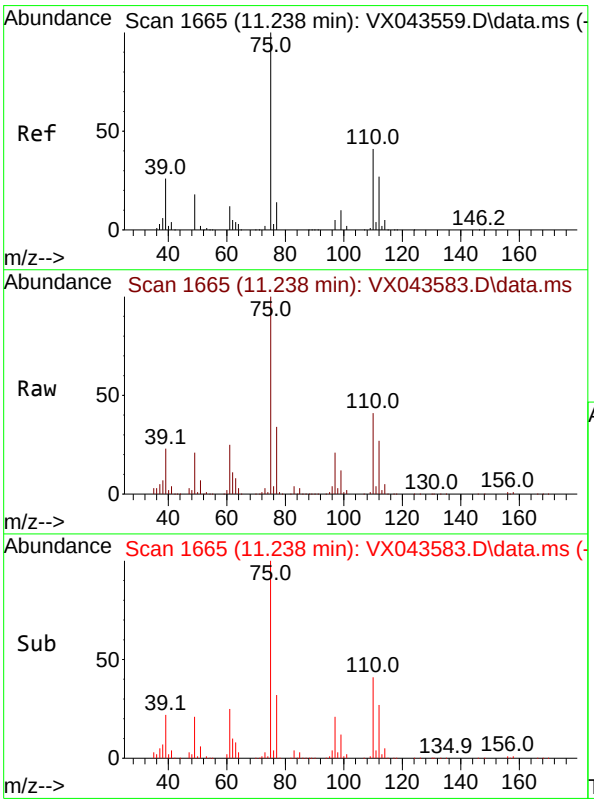
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.6	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

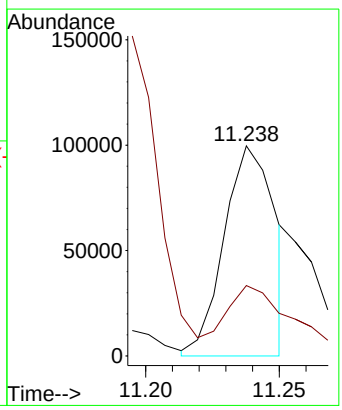


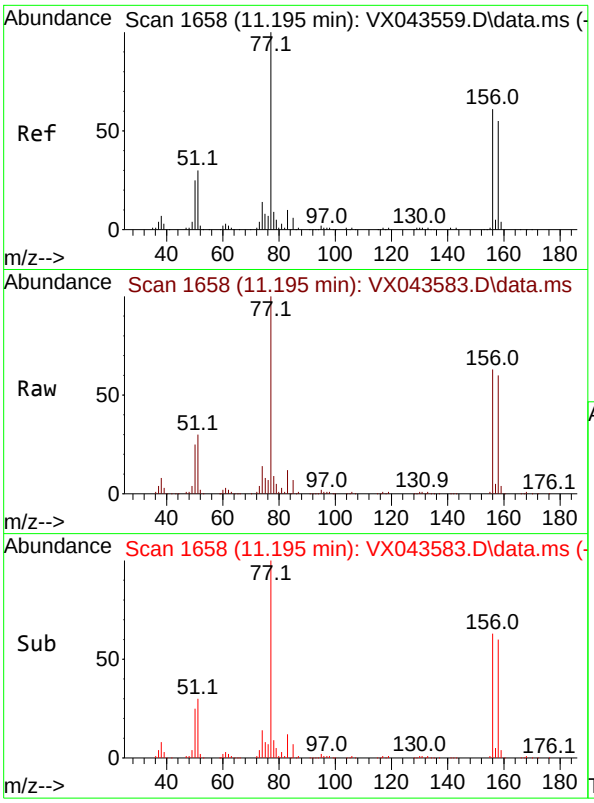


#76
1,2,3-Trichloropropane
Concen: 45.276 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 131796

Ion	Ratio	Lower	Upper
75	100		
77	44.5	22.4	67.2





#77
Bromobenzene
Concen: 50.686 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

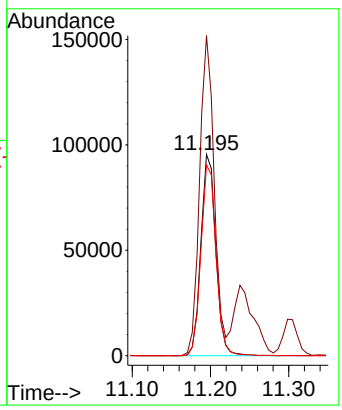
Tgt Ion:156 Resp: 12621

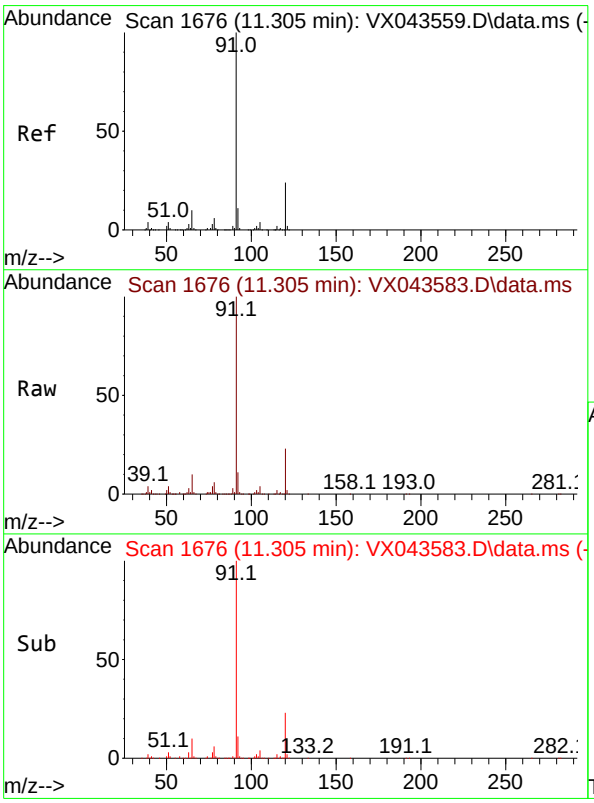
Ion	Ratio	Lower	Upper
156	100		
77	154.9	79.7	239.1
158	95.6	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

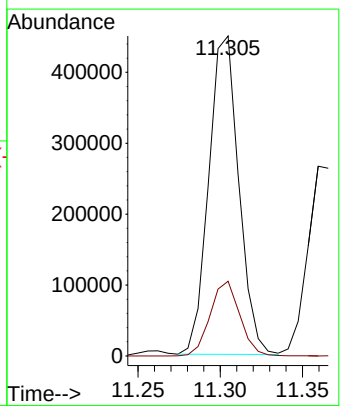


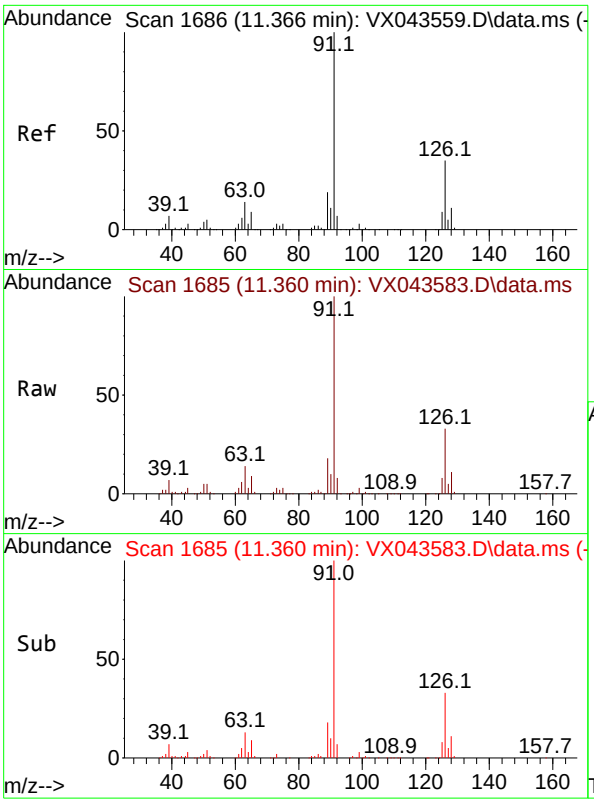


#78
n-propylbenzene
Concen: 54.356 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 91 Resp: 571565

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.7





#79
2-Chlorotoluene
Concen: 50.257 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

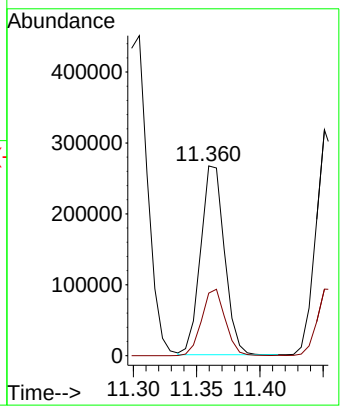
Tgt Ion: 91 Resp: 35041

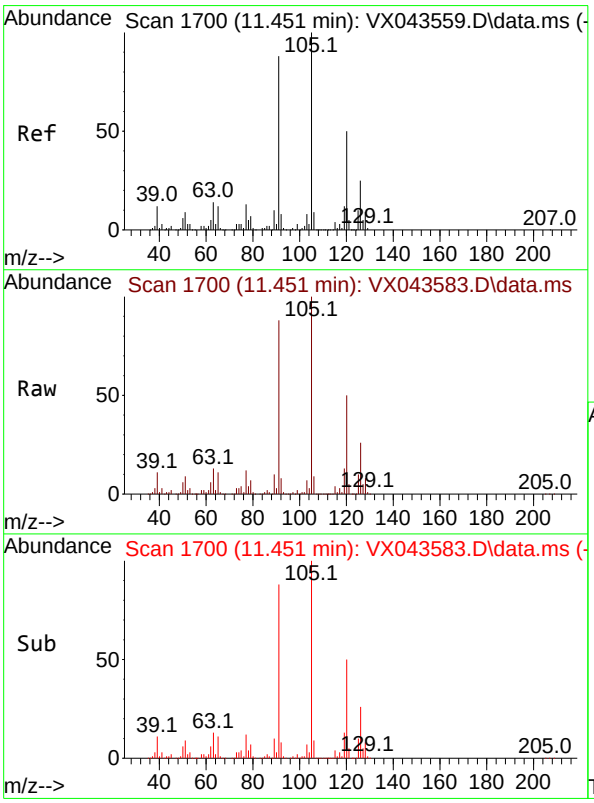
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

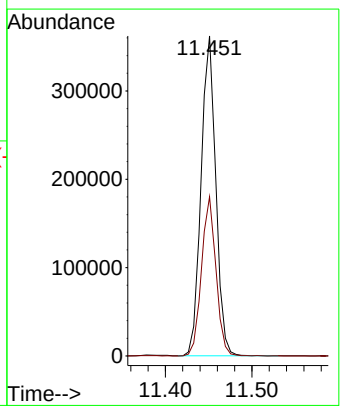


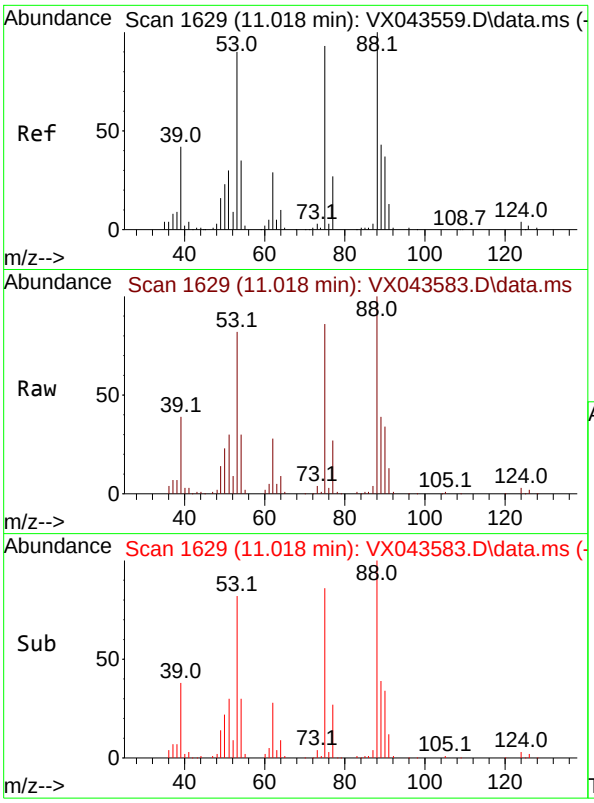


#80
1,3,5-Trimethylbenzene
Concen: 53.132 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:105 Resp: 427235

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.635 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

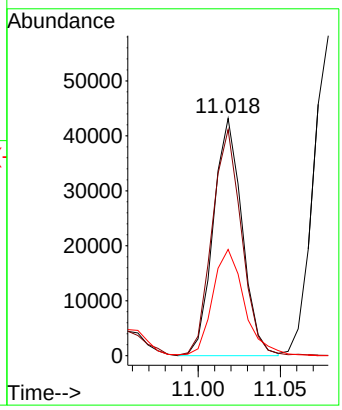
Tgt Ion: 75 Resp: 5252

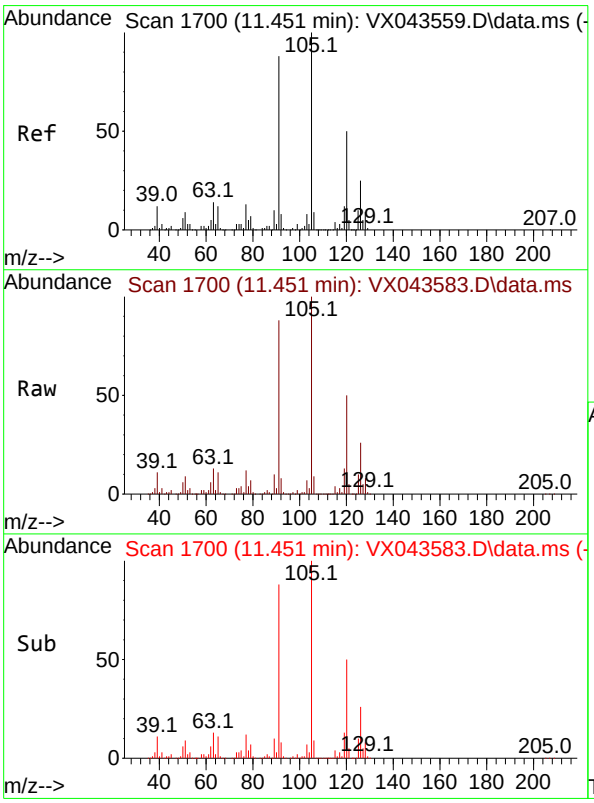
Ion	Ratio	Lower	Upper
75	100		
53	97.6	84.6	126.8
89	49.5	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

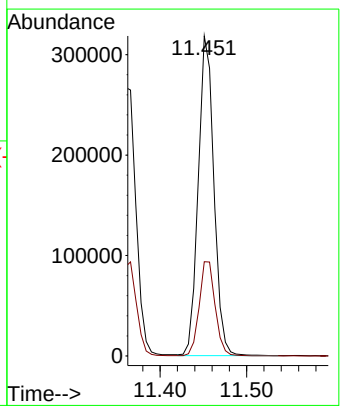


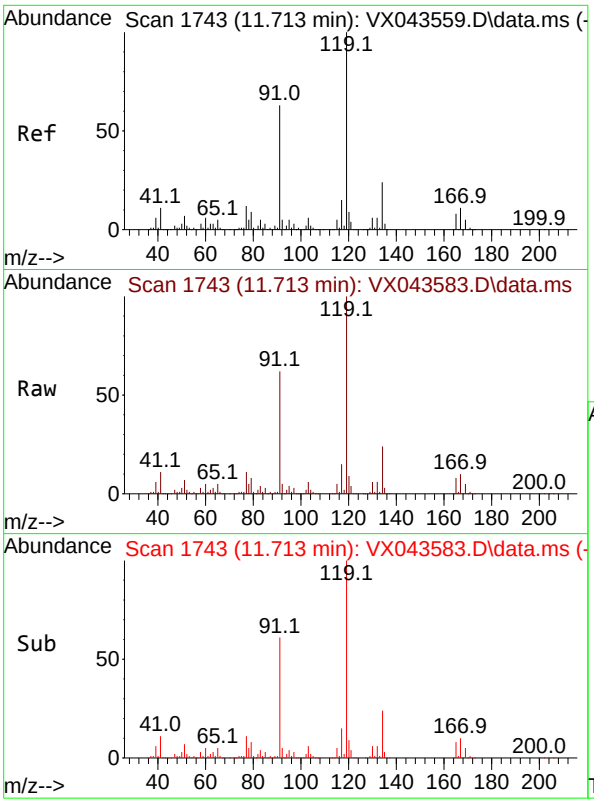


#82
4-Chlorotoluene
Concen: 51.088 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 91 Resp: 399821

Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.2	42.8

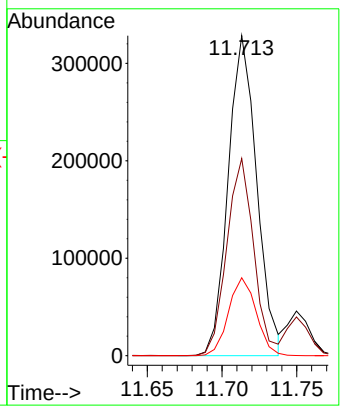




#83
tert-Butylbenzene
Concen: 53.361 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:119 Resp: 43638

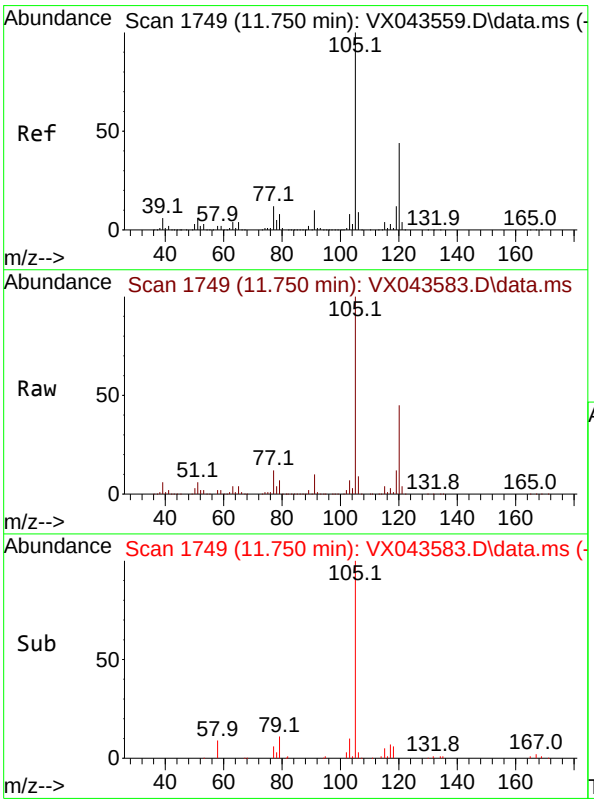
Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.5	88.5
134	23.6	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

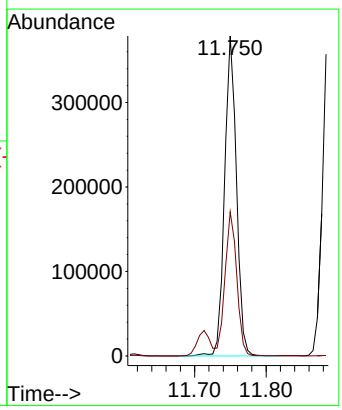
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

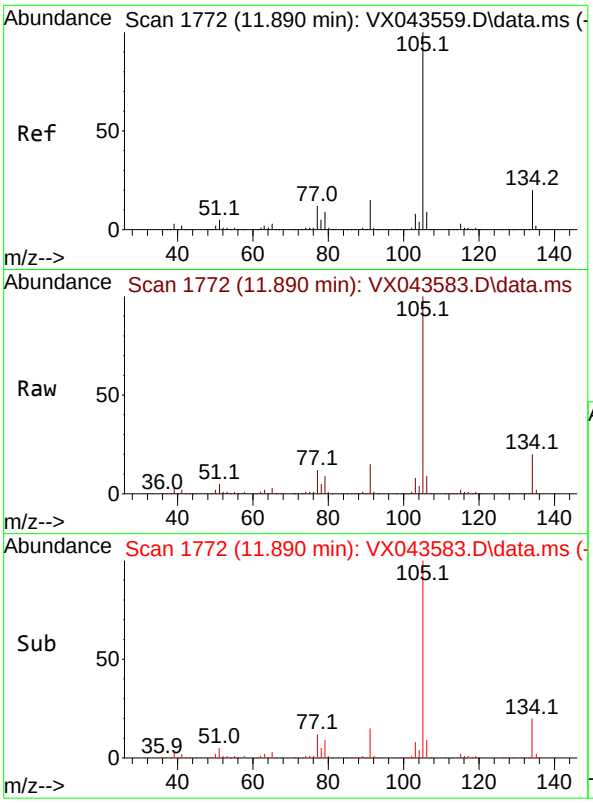


#84
1,2,4-Trimethylbenzene
Concen: 53.380 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:105 Resp: 437441

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 55.177 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

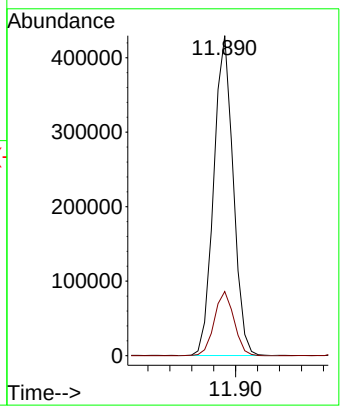
Tgt Ion:105 Resp: 52890

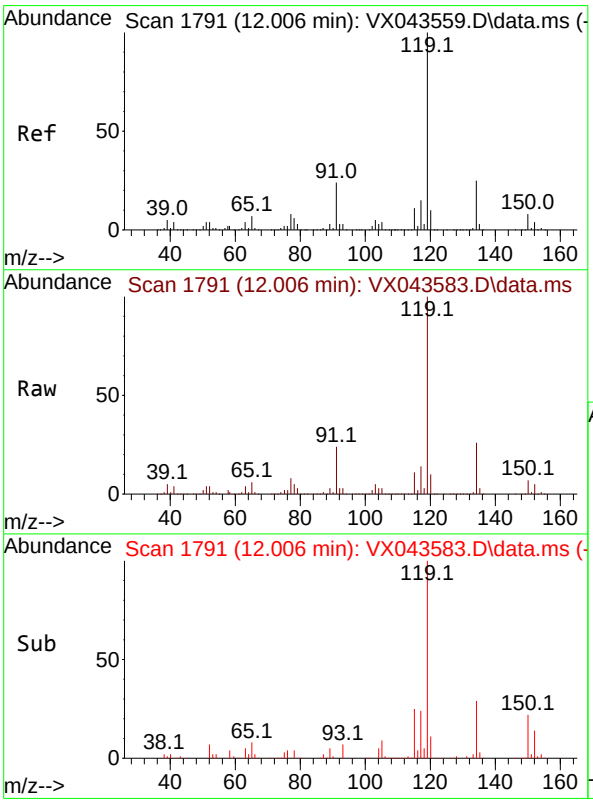
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

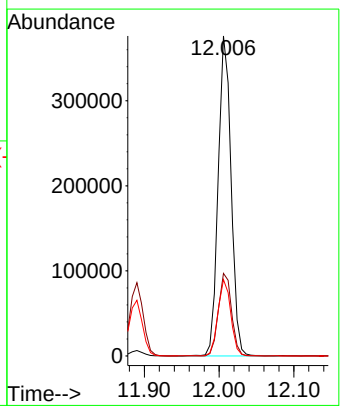


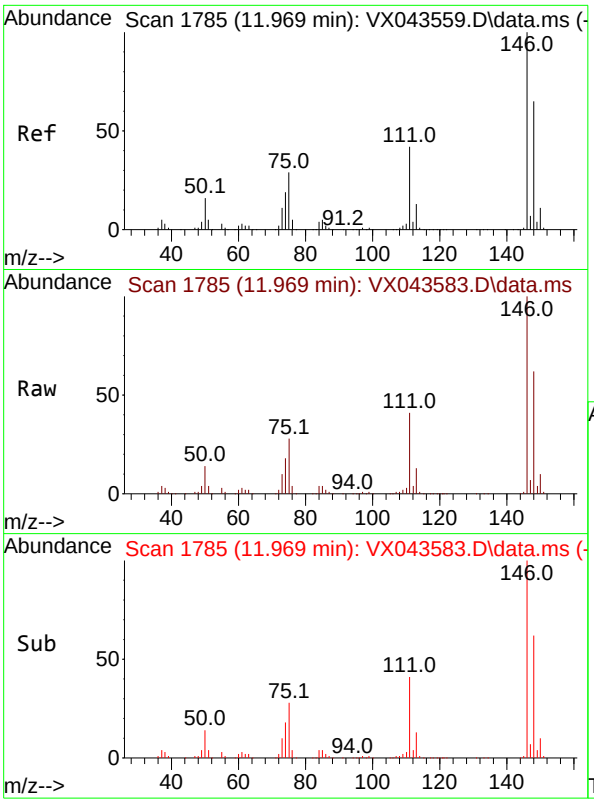


#86
p-Isopropyltoluene
Concen: 55.469 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:119 Resp: 451954

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	23.8	12.4	37.0





#87
1,3-Dichlorobenzene
Concen: 52.073 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

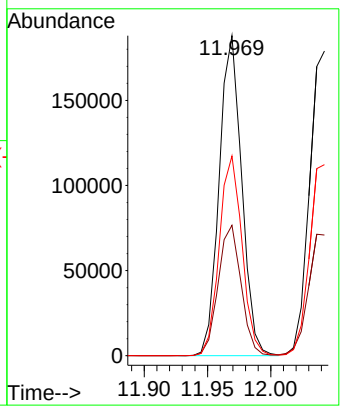
Tgt Ion:146 Resp: 23242

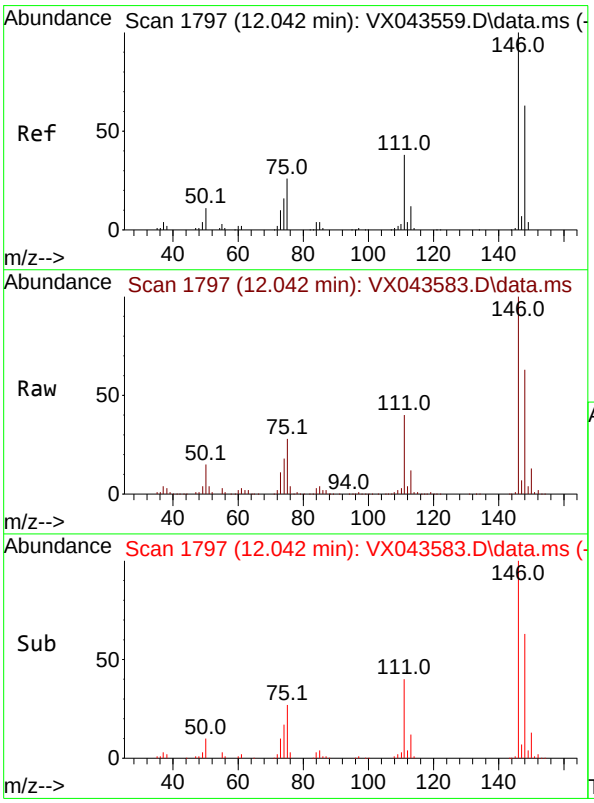
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	63.3	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

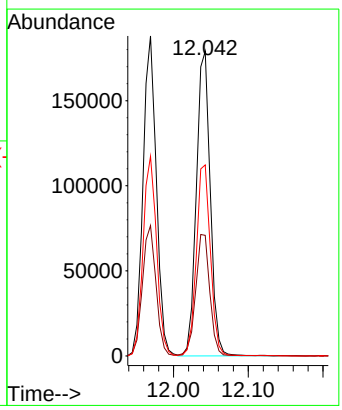


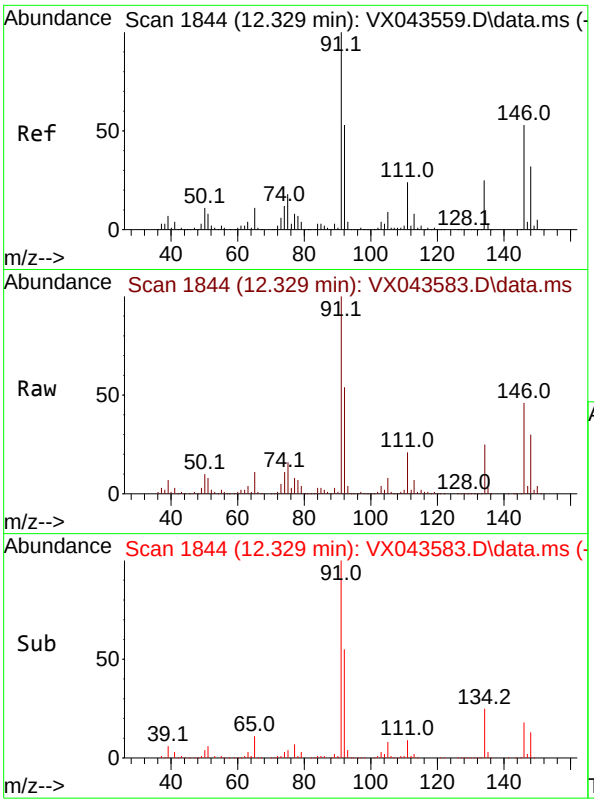


#88
1,4-Dichlorobenzene
Concen: 49.888 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:146 Resp: 230728

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	63.4	31.9	95.9





#89
n-Butylbenzene
Concen: 58.406 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

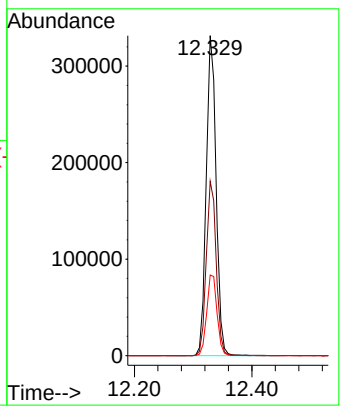
Tgt Ion: 91 Resp: 38777

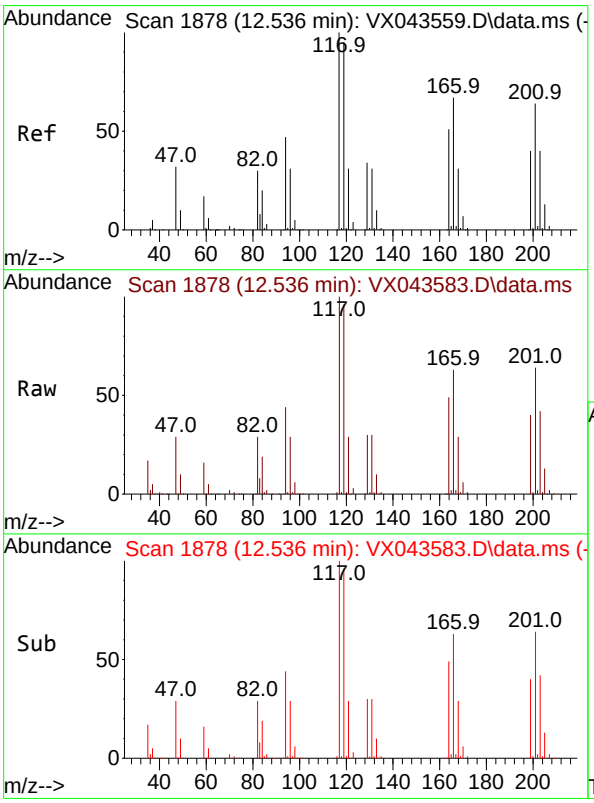
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.2
134	26.4	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

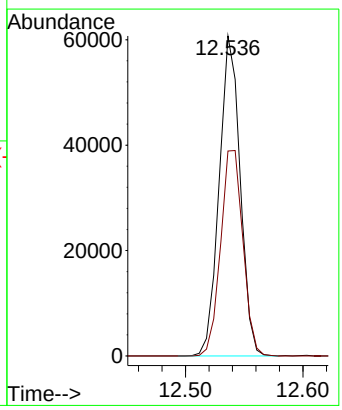


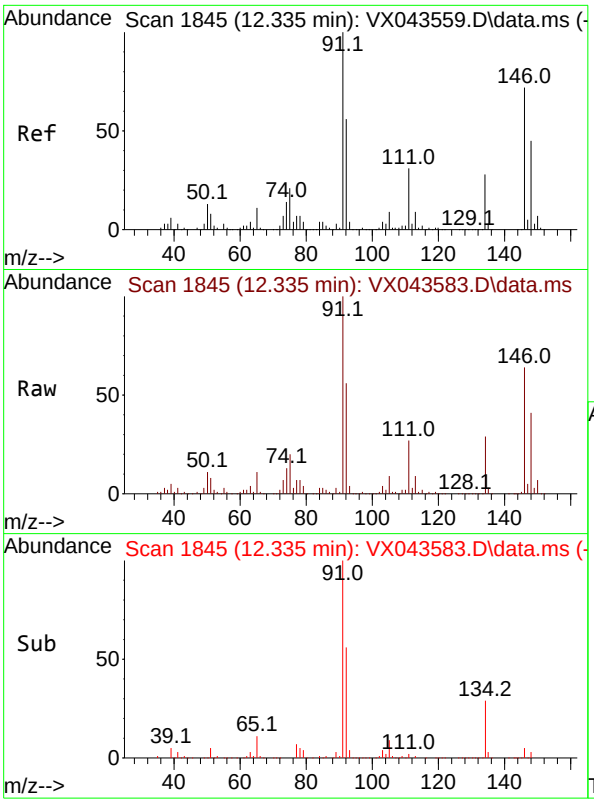


#90
Hexachloroethane
Concen: 56.903 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:117 Resp: 75311

Ion	Ratio	Lower	Upper
117	100		
201	68.4	32.9	98.7

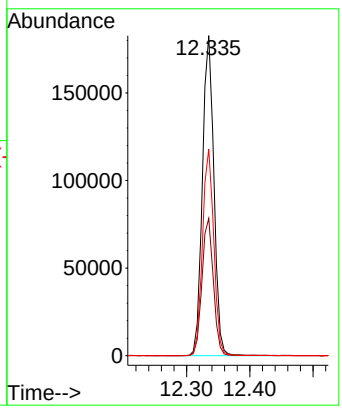




#91
1,2-Dichlorobenzene
Concen: 50.664 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:146 Resp: 23123

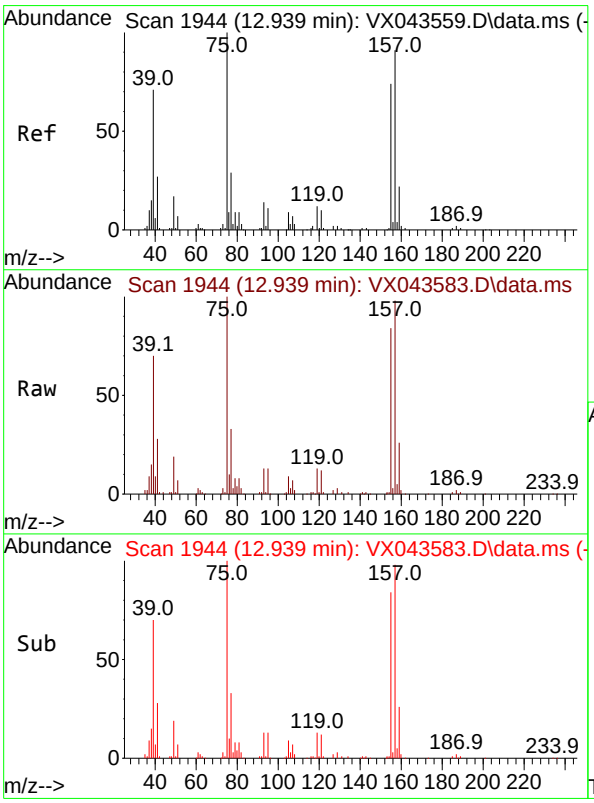
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.6
148	63.7	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

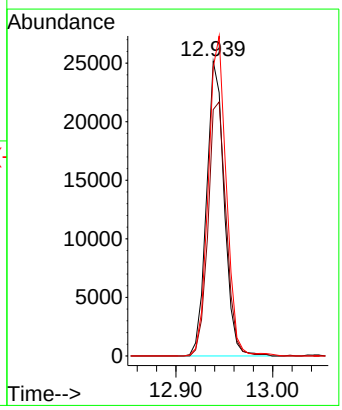
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

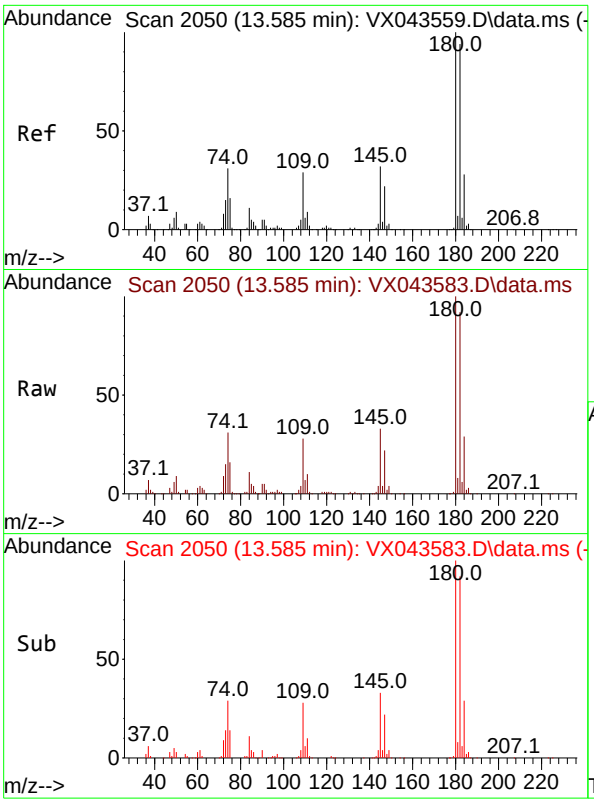


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.194 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 31951

Ion	Ratio	Lower	Upper
75	100		
155	88.6	40.1	120.3
157	110.4	50.8	152.4





#93
1,2,4-Trichlorobenzene
Concen: 53.771 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

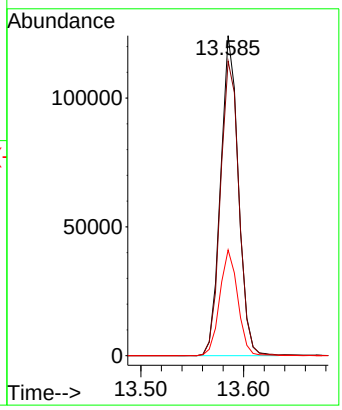
Tgt Ion:180 Resp: 14896

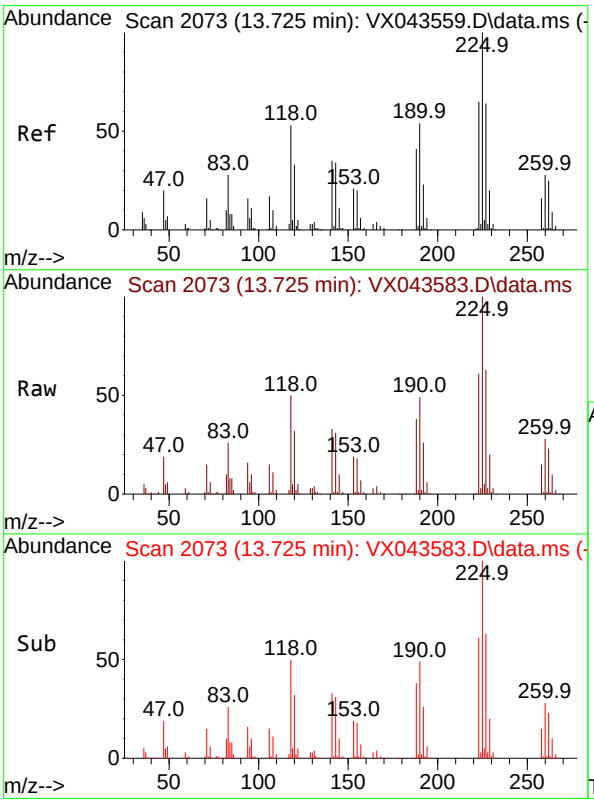
Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.8	140.4
145	33.5	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

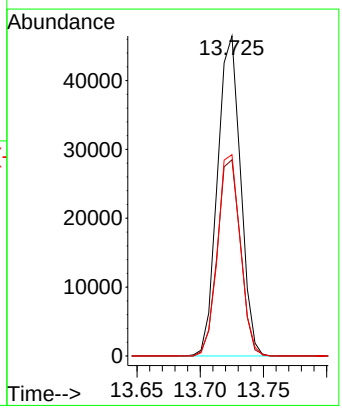


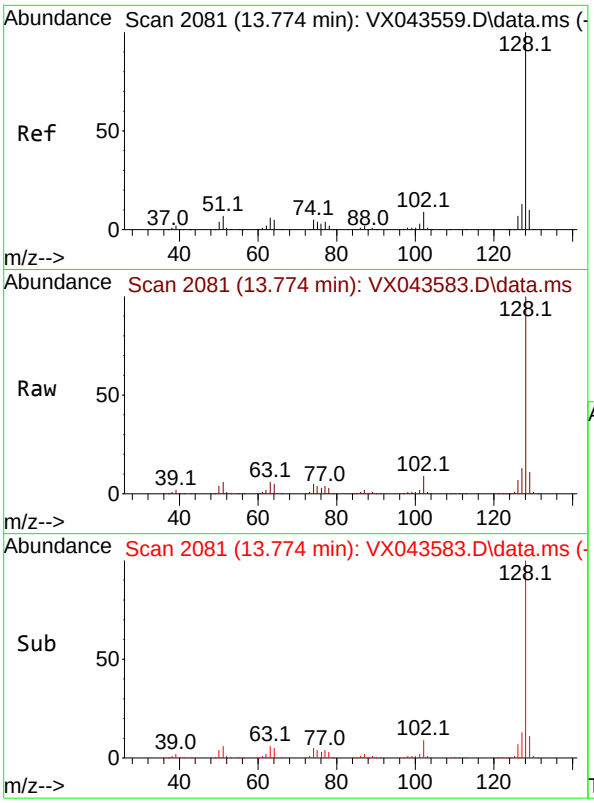


#94
Hexachlorobutadiene
Concen: 57.574 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:225 Resp: 58808

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.8	92.4
227	62.1	31.6	94.8

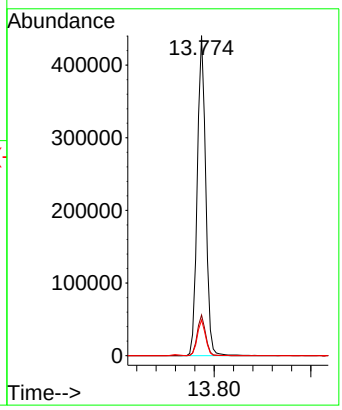




#95
Naphthalene
Concen: 50.193 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:128 Resp: 53211

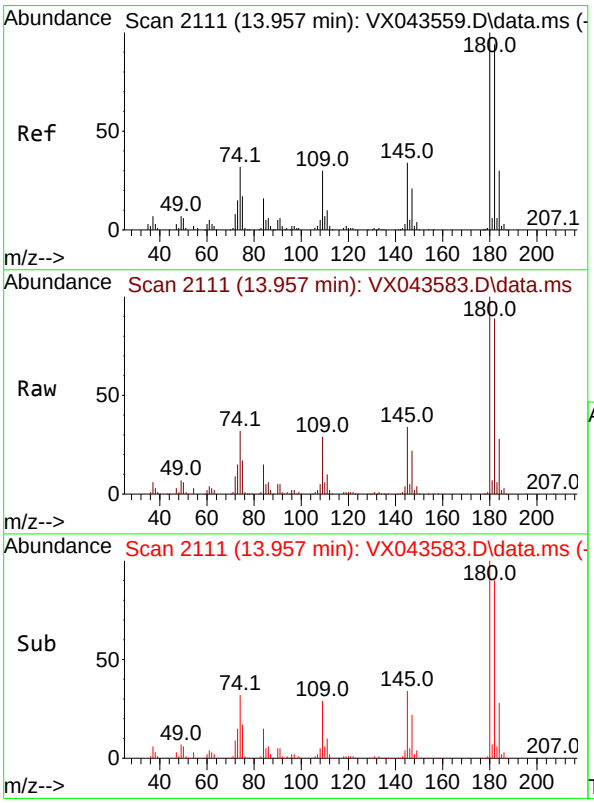
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

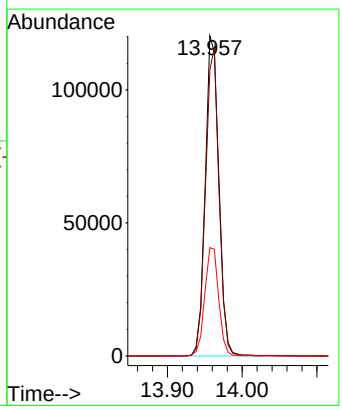
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 52.286 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:180 Resp: 152724

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.1	141.3
145	34.6	17.4	52.3



Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	124	0.00
2	T	Dichlorodifluoromethane	0.535	0.520	2.8	128	0.00
3	P	Chloromethane	0.684	0.597	12.7	114	0.00
4	C	Vinyl Chloride	0.634	0.613	3.3#	120	0.00
5	T	Bromomethane	0.259	0.236	8.9	112	0.00
6	T	Chloroethane	0.223	0.209	6.3	116	0.00
7	T	Trichlorofluoromethane	0.775	0.759	2.1	121	0.00
8	T	Diethyl Ether	0.358	0.324	9.5	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.542	-3.4	128	0.00
10	T	Methyl Iodide	0.757	0.732	3.3	116	0.00
11	T	Tert butyl alcohol	0.149	0.133	10.7	106	-0.04
12	CM	1,1-Dichloroethene	0.536	0.536	0.0	124	0.00
13	T	Acrolein	0.116	0.101	12.9	115	0.00
14	T	Allyl chloride	0.926	0.882	4.8	115	0.00
15	T	Acrylonitrile	0.336	0.284	15.5	101	-0.01
16	T	Acetone	0.317	0.297	6.3	118	-0.01
17	T	Carbon Disulfide	1.120	1.146	-2.3	126	0.00
18	T	Methyl Acetate	0.925	0.736	20.4	99	0.00
19	T	Methyl tert-butyl Ether	2.037	1.814	10.9	108	0.00
20	T	Methylene Chloride	0.682	0.601	11.9	113	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.555	1.9	123	0.00
22	T	Diisopropyl ether	1.915	1.735	9.4	111	0.00
23	T	Vinyl Acetate	1.582	1.472	7.0	108	0.00
24	P	1,1-Dichloroethane	1.101	1.028	6.6	115	0.00
25	T	2-Butanone	0.462	0.403	12.8	104	-0.01
26	T	2,2-Dichloropropane	0.901	0.922	-2.3	129	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.687	5.0	115	0.00
28	T	Bromochloromethane	0.524	0.462	11.8	113	0.00
29	T	Tetrahydrofuran	0.300	0.244	18.7	98	-0.01
30	C	Chloroform	1.154	1.065	7.7#	114	0.00
31	T	Cyclohexane	0.842	0.867	-3.0	128	0.00
32	T	1,1,1-Trichloroethane	0.969	0.948	2.2	119	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.708	11.2	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	117	0.00
35	S	Dibromofluoromethane	0.339	0.345	-1.8	120	-0.01
36	T	1,1-Dichloropropene	0.402	0.418	-4.0	126	0.00
37	T	Ethyl Acetate	0.488	0.435	10.9	101	-0.01
38	T	Carbon Tetrachloride	0.444	0.466	-5.0	123	0.00
39	T	Methylcyclohexane	0.499	0.574	-15.0	132	0.00
40	TM	Benzene	1.341	1.333	0.6	115	0.00
41	T	Methacrylonitrile	0.256	0.248	3.1	108	0.00
42	TM	1,2-Dichloroethane	0.482	0.452	6.2	107	0.00
43	T	Isopropyl Acetate	0.807	0.737	8.7	103	0.00
44	TM	Trichloroethene	0.333	0.351	-5.4	122	0.00
45	C	1,2-Dichloropropane	0.330	0.327	0.9#	114	0.00
46	T	Dibromomethane	0.254	0.245	3.5	110	0.00
47	T	Bromodichloromethane	0.446	0.461	-3.4	114	0.00
48	T	Methyl methacrylate	0.383	0.359	6.3	105	0.00

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	108	0.00
50	S	Toluene-d8	1.174	1.260	-7.3	126	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.451	8.3	101	0.00
52	CM	Toluene	0.813	0.854	-5.0#	120	0.00
53	T	t-1,3-Dichloropropene	0.479	0.490	-2.3	113	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.537	-5.3	116	0.00
55	T	1,1,2-Trichloroethane	0.339	0.329	2.9	109	0.00
56	T	Ethyl methacrylate	0.550	0.541	1.6	108	0.00
57	T	1,3-Dichloropropane	0.563	0.556	1.2	111	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.233	12.4	102	0.00
59	T	2-Hexanone	0.374	0.352	5.9	103	0.00
60	T	Dibromochloromethane	0.335	0.358	-6.9	114	0.00
61	T	1,2-Dibromoethane	0.351	0.346	1.4	110	0.00
62	S	4-Bromofluorobenzene	0.435	0.471	-8.3	124	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
64	T	Tetrachloroethene	0.314	0.333	-6.1	125	0.00
65	PM	Chlorobenzene	1.076	1.092	-1.5	118	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.374	-6.6	117	0.00
67	C	Ethyl Benzene	1.754	1.860	-6.0#	122	0.00
68	T	m/p-Xylenes	0.671	0.725	-8.0	122	0.00
69	T	o-Xylene	0.674	0.708	-5.0	119	0.00
70	T	Styrene	1.120	1.213	-8.3	119	0.00
71	P	Bromoform	0.253	0.265	-4.7	112	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
73	T	Isopropylbenzene	3.542	3.725	-5.2	124	0.00
74	T	N-amyl acetate	1.725	1.590	7.8	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.176	7.7	108	0.00
76	T	1,2,3-Trichloropropane	1.069	0.968	9.4	107	0.00
77	T	Bromobenzene	0.915	0.927	-1.3	119	0.00
78	T	n-propylbenzene	3.862	4.198	-8.7	125	0.00
79	T	2-Chlorotoluene	2.561	2.574	-0.5	121	0.00
80	T	1,3,5-Trimethylbenzene	2.953	3.138	-6.3	123	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.386	0.8	109	0.00
82	T	4-Chlorotoluene	2.874	2.937	-2.2	121	0.00
83	T	tert-Butylbenzene	3.003	3.205	-6.7	125	0.00
84	T	1,2,4-Trimethylbenzene	3.010	3.213	-6.7	123	0.00
85	T	sec-Butylbenzene	3.520	3.885	-10.4	127	0.00
86	T	p-Isopropyltoluene	2.992	3.320	-11.0	126	0.00
87	T	1,3-Dichlorobenzene	1.639	1.707	-4.1	123	0.00
88	T	1,4-Dichlorobenzene	1.699	1.695	0.2	122	0.00
89	T	n-Butylbenzene	2.438	2.848	-16.8	129	0.00
90	T	Hexachloroethane	0.486	0.553	-13.8	126	0.00
91	T	1,2-Dichlorobenzene	1.676	1.698	-1.3	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.235	9.6	99	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.094	-7.6	120	0.00
94	T	Hexachlorobutadiene	0.375	0.432	-15.2	138	0.00
95	T	Naphthalene	3.893	3.908	-0.4	112	0.00

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.122	-4.6	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	124	0.00
2	T	Dichlorodifluoromethane	50.000	48.609	2.8	128	0.00
3	P	Chloromethane	50.000	43.659	12.7	114	0.00
4	C	Vinyl Chloride	50.000	48.354	3.3#	120	0.00
5	T	Bromomethane	50.000	45.689	8.6	112	0.00
6	T	Chloroethane	50.000	46.843	6.3	116	0.00
7	T	Trichlorofluoromethane	50.000	48.990	2.0	121	0.00
8	T	Diethyl Ether	50.000	45.254	9.5	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.739	-3.5	128	0.00
10	T	Methyl Iodide	50.000	48.310	3.4	116	0.00
11	T	Tert butyl alcohol	250.000	223.146	10.7	106	-0.04
12	CM	1,1-Dichloroethene	50.000	50.054	-0.1#	124	0.00
13	T	Acrolein	250.000	216.855	13.3	115	0.00
14	T	Allyl chloride	50.000	47.632	4.7	115	0.00
15	T	Acrylonitrile	250.000	211.215	15.5	101	-0.01
16	T	Acetone	250.000	234.636	6.1	118	-0.01
17	T	Carbon Disulfide	50.000	51.153	-2.3	126	0.00
18	T	Methyl Acetate	50.000	39.751	20.5	99	0.00
19	T	Methyl tert-butyl Ether	50.000	44.520	11.0	108	0.00
20	T	Methylene Chloride	50.000	44.012	12.0	113	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.012	2.0	123	0.00
22	T	Diisopropyl ether	50.000	45.317	9.4	111	0.00
23	T	Vinyl Acetate	250.000	232.674	6.9	108	0.00
24	P	1,1-Dichloroethane	50.000	46.716	6.6	115	0.00
25	T	2-Butanone	250.000	218.384	12.6	104	-0.01
26	T	2,2-Dichloropropane	50.000	51.174	-2.3	129	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.546	4.9	115	0.00
28	T	Bromochloromethane	50.000	44.155	11.7	113	0.00
29	T	Tetrahydrofuran	250.000	203.602	18.6	98	-0.01
30	C	Chloroform	50.000	46.165	7.7#	114	0.00
31	T	Cyclohexane	50.000	51.504	-3.0	128	0.00
32	T	1,1,1-Trichloroethane	50.000	48.957	2.1	119	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.394	11.2	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
35	S	Dibromofluoromethane	50.000	50.941	-1.9	120	-0.01
36	T	1,1-Dichloropropene	50.000	51.976	-4.0	126	0.00
37	T	Ethyl Acetate	50.000	44.531	10.9	101	-0.01
38	T	Carbon Tetrachloride	50.000	52.449	-4.9	123	0.00
39	T	Methylcyclohexane	50.000	57.467	-14.9	132	0.00
40	TM	Benzene	50.000	49.678	0.6	115	0.00
41	T	Methacrylonitrile	50.000	48.472	3.1	108	0.00
42	TM	1,2-Dichloroethane	50.000	46.823	6.4	107	0.00
43	T	Isopropyl Acetate	50.000	45.631	8.7	103	0.00
44	TM	Trichloroethene	50.000	52.676	-5.4	122	0.00
45	C	1,2-Dichloropropane	50.000	49.511	1.0#	114	0.00
46	T	Dibromomethane	50.000	48.105	3.8	110	0.00
47	T	Bromodichloromethane	50.000	51.705	-3.4	114	0.00
48	T	Methyl methacrylate	50.000	46.843	6.3	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	959.544	4.0	108	0.00
50	S	Toluene-d8	50.000	53.676	-7.4	126	0.00
51	T	4-Methyl-2-Pentanone	250.000	229.232	8.3	101	0.00
52	CM	Toluene	50.000	52.511	-5.0#	120	0.00
53	T	t-1,3-Dichloropropene	50.000	51.148	-2.3	113	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.575	-5.2	116	0.00
55	T	1,1,2-Trichloroethane	50.000	48.542	2.9	109	0.00
56	T	Ethyl methacrylate	50.000	49.201	1.6	108	0.00
57	T	1,3-Dichloropropane	50.000	49.396	1.2	111	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	218.483	12.6	102	0.00
59	T	2-Hexanone	250.000	235.767	5.7	103	0.00
60	T	Dibromochloromethane	50.000	53.432	-6.9	114	0.00
61	T	1,2-Dibromoethane	50.000	49.183	1.6	110	0.00
62	S	4-Bromofluorobenzene	50.000	54.171	-8.3	124	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	116	0.00
64	T	Tetrachloroethene	50.000	52.901	-5.8	125	0.00
65	PM	Chlorobenzene	50.000	50.750	-1.5	118	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.255	-6.5	117	0.00
67	C	Ethyl Benzene	50.000	53.028	-6.1#	122	0.00
68	T	m/p-Xylenes	100.000	108.089	-8.1	122	0.00
69	T	o-Xylene	50.000	52.523	-5.0	119	0.00
70	T	Styrene	50.000	54.130	-8.3	119	0.00
71	P	Bromoform	50.000	52.407	-4.8	112	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
73	T	Isopropylbenzene	50.000	52.592	-5.2	124	0.00
74	T	N-amyl acetate	50.000	46.083	7.8	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.182	7.6	108	0.00
76	T	1,2,3-Trichloropropane	50.000	45.276	9.4	107	0.00
77	T	Bromobenzene	50.000	50.686	-1.4	119	0.00
78	T	n-propylbenzene	50.000	54.356	-8.7	125	0.00
79	T	2-Chlorotoluene	50.000	50.257	-0.5	121	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.132	-6.3	123	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.635	0.7	109	0.00
82	T	4-Chlorotoluene	50.000	51.088	-2.2	121	0.00
83	T	tert-Butylbenzene	50.000	53.361	-6.7	125	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.380	-6.8	123	0.00
85	T	sec-Butylbenzene	50.000	55.177	-10.4	127	0.00
86	T	p-Isopropyltoluene	50.000	55.469	-10.9	126	0.00
87	T	1,3-Dichlorobenzene	50.000	52.073	-4.1	123	0.00
88	T	1,4-Dichlorobenzene	50.000	49.888	0.2	122	0.00
89	T	n-Butylbenzene	50.000	58.406	-16.8	129	0.00
90	T	Hexachloroethane	50.000	56.903	-13.8	126	0.00
91	T	1,2-Dichlorobenzene	50.000	50.664	-1.3	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.194	9.6	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.771	-7.5	120	0.00
94	T	Hexachlorobutadiene	50.000	57.574	-15.1	138	0.00
95	T	Naphthalene	50.000	50.193	-0.4	112	0.00

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.286	-4.6	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043608.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 19:29

Lab File ID: VX043608.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.630	0.1	-7.89	50
Vinyl Chloride	0.634	0.622		-1.89	50
Bromomethane	0.259	0.257		-0.77	50
Chloroethane	0.223	0.220		-1.35	50
Trichlorofluoromethane	0.775	0.787		1.55	50
1,1,2-Trichlorotrifluoroethane	0.524	0.521		-0.57	50
1,1-Dichloroethene	0.536	0.539		0.56	50
Acetone	0.317	0.294		-7.26	50
Carbon Disulfide	1.120	1.013		-9.55	50
Methyl tert-butyl Ether	2.037	2.113		3.73	50
Methylene Chloride	0.682	0.675		-1.03	50
trans-1,2-Dichloroethene	0.566	0.578		2.12	50
1,1-Dichloroethane	1.101	1.100	0.1	-0.09	50
2-Butanone	0.462	0.462		0	50
Carbon Tetrachloride	0.444	0.421		-5.18	50
cis-1,2-Dichloroethene	0.723	0.766		5.95	50
Chloroform	1.154	1.146		-0.69	50
1,1,1-Trichloroethane	0.969	0.953		-1.65	50
Methylcyclohexane	0.499	0.498		-0.2	50
Benzene	1.341	1.365		1.79	50
1,2-Dichloroethane	0.482	0.481		-0.21	50
Trichloroethene	0.333	0.333		0	50
1,2-Dichloropropane	0.330	0.345		4.55	50
Bromodichloromethane	0.446	0.461		3.36	50
4-Methyl-2-Pentanone	0.492	0.510		3.66	50
Toluene	0.813	0.855		5.17	50
t-1,3-Dichloropropene	0.479	0.492		2.71	50
cis-1,3-Dichloropropene	0.510	0.542		6.28	50
1,1,2-Trichloroethane	0.339	0.364		7.38	50
2-Hexanone	0.374	0.380		1.6	50
Dibromochloromethane	0.335	0.362		8.06	50
Tetrachloroethene	0.314	0.314		0	50
Chlorobenzene	1.076	1.088	0.3	1.12	50
Ethyl Benzene	1.754	1.752		-0.11	50
m/p-Xylenes	0.671	0.684		1.94	50
o-Xylene	0.674	0.696		3.26	50
Styrene	1.120	1.189		6.16	50
Bromoform	0.253	0.259	0.1	2.37	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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 19:29

Lab File ID: VX043608.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.503		-1.1	50
1,1,2,2-Tetrachloroethane	1.274	1.276	0.3	0.16	50
1,3-Dichlorobenzene	1.639	1.673		2.07	50
1,4-Dichlorobenzene	1.699	1.682		-1	50
1,2-Dichlorobenzene	1.676	1.725		2.92	50
1,2-Dichloroethane-d4	0.797	0.760		-4.64	50
Dibromofluoromethane	0.339	0.345		1.77	50
Toluene-d8	1.174	1.203		2.47	50
4-Bromofluorobenzene	0.435	0.447		2.76	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\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	145188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110394	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.380%			
35) Dibromofluoromethane	5.385	113	91660	50.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	319178	51.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	11.079	95	118664	51.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	70689	45.527	ug/l	92
3) Chloromethane	1.294	50	91420	46.060	ug/l	99
4) Vinyl Chloride	1.374	62	90322	49.033	ug/l	95
5) Bromomethane	1.593	94	37321	49.698	ug/l	99
6) Chloroethane	1.660	64	31987	49.288	ug/l	96
7) Trichlorofluoromethane	1.867	101	114302	50.793	ug/l	98
8) Diethyl Ether	2.136	74	54976	52.875	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	75661	49.715	ug/l	97
10) Methyl Iodide	2.440	142	113402	51.575	ug/l	98
11) Tert butyl alcohol	3.014	59	114007	263.841	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	78253	50.316	ug/l	93
13) Acrolein	2.239	56	83603	247.404	ug/l	99
14) Allyl chloride	2.654	41	133149	49.498	ug/l	95
15) Acrylonitrile	3.068	53	256153	262.562	ug/l	100
16) Acetone	2.392	43	213222	231.934	ug/l	100
17) Carbon Disulfide	2.501	76	147050	45.217	ug/l	98
18) Methyl Acetate	2.703	43	131374	48.896	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	306719	51.858	ug/l	98
20) Methylene Chloride	2.782	84	97958	49.441	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	83879	51.050	ug/l	98
22) Diisopropyl ether	3.763	45	283296	50.951	ug/l	94
23) Vinyl Acetate	3.721	43	1217460	265.039	ug/l	98
24) 1,1-Dichloroethane	3.599	63	159722	49.980	ug/l	98
25) 2-Butanone	4.562	43	335610	250.264	ug/l	99
26) 2,2-Dichloropropane	4.471	77	114810	43.890	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	111180	52.971	ug/l	95
28) Bromochloromethane	4.897	49	75498	49.662	ug/l	93
29) Tetrahydrofuran	5.007	42	218511	250.734	ug/l	97
30) Chloroform	5.086	83	166347	49.656	ug/l	99
31) Cyclohexane	5.464	56	121093	49.541	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	138292	49.171	ug/l	98
36) 1,1-Dichloropropene	5.684	75	103282	48.407	ug/l	97
37) Ethyl Acetate	4.714	43	131589	50.801	ug/l	98
38) Carbon Tetrachloride	5.672	117	111743	47.400	ug/l	96
39) Methylcyclohexane	7.372	83	132174	49.896	ug/l	98
40) Benzene	6.031	78	362305	50.901	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	71898	52.879	ug/l		97
42) 1,2-Dichloroethane	6.086	62	127532	49.839	ug/l		97
43) Isopropyl Acetate	6.342	43	215773	50.370	ug/l		98
44) Trichloroethene	7.123	130	88486	50.041	ug/l		100
45) 1,2-Dichloropropane	7.427	63	91657	52.297	ug/l		98
46) Dibromomethane	7.580	93	69649	51.612	ug/l		97
47) Bromodichloromethane	7.818	83	122263	51.646	ug/l		98
48) Methyl methacrylate	7.696	41	104902	51.651	ug/l		95
49) 1,4-Dioxane	7.665	88	44859	1075.073	ug/l		96
51) 4-Methyl-2-Pentanone	8.573	43	676072	258.941	ug/l		99
52) Toluene	8.714	92	226884	52.560	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130475	51.314	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	143839	53.094	ug/l		94
55) 1,1,2-Trichloroethane	9.153	97	96667	53.799	ug/l		98
56) Ethyl methacrylate	9.116	69	156001	53.432	ug/l		94
57) 1,3-Dichloropropane	9.305	76	160202	53.607	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	373123	263.875	ug/l		97
59) 2-Hexanone	9.433	43	504664	254.496	ug/l		97
60) Dibromochloromethane	9.518	129	96120	54.022	ug/l		100
61) 1,2-Dibromoethane	9.610	107	99141	53.153	ug/l		99
64) Tetrachloroethene	9.275	164	74378	49.957	ug/l		93
65) Chlorobenzene	10.079	112	257636	50.588	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	86886	52.231	ug/l		98
67) Ethyl Benzene	10.195	91	414752	49.943	ug/l		99
68) m/p-Xylenes	10.299	106	323840	101.972	ug/l		95
69) o-Xylene	10.640	106	164652	51.602	ug/l		96
70) Styrene	10.652	104	281569	53.092	ug/l		99
71) Bromoform	10.799	173	61359	51.301	ug/l	#	96
73) Isopropylbenzene	10.963	105	399550	49.457	ug/l		99
74) N-amyl acetate	10.841	43	193011	49.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	145515	50.090	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	117730m	48.280	ug/l		
77) Bromobenzene	11.195	156	107968	51.757	ug/l		97
78) n-propylbenzene	11.305	91	440854	50.049	ug/l		98
79) 2-Chlorotoluene	11.366	91	287184	49.168	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	338143	50.200	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	43435	49.002	ug/l		92
82) 4-Chlorotoluene	11.451	91	327663	49.980	ug/l		97
83) tert-Butylbenzene	11.713	119	339813	49.604	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	351886	51.260	ug/l		99
85) sec-Butylbenzene	11.890	105	406636	50.641	ug/l		99
86) p-Isopropyltoluene	12.006	119	343316	50.299	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	190820	51.035	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	191784	49.502	ug/l		99
89) n-Butylbenzene	12.329	91	285567	51.345	ug/l		99
90) Hexachloroethane	12.536	117	55820	50.348	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	196688	51.444	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28312	47.806	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	124057	53.456	ug/l		99
94) Hexachlorobutadiene	13.725	225	41269	48.231	ug/l		97
95) Naphthalene	13.774	128	470706	53.003	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126642	51.757	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

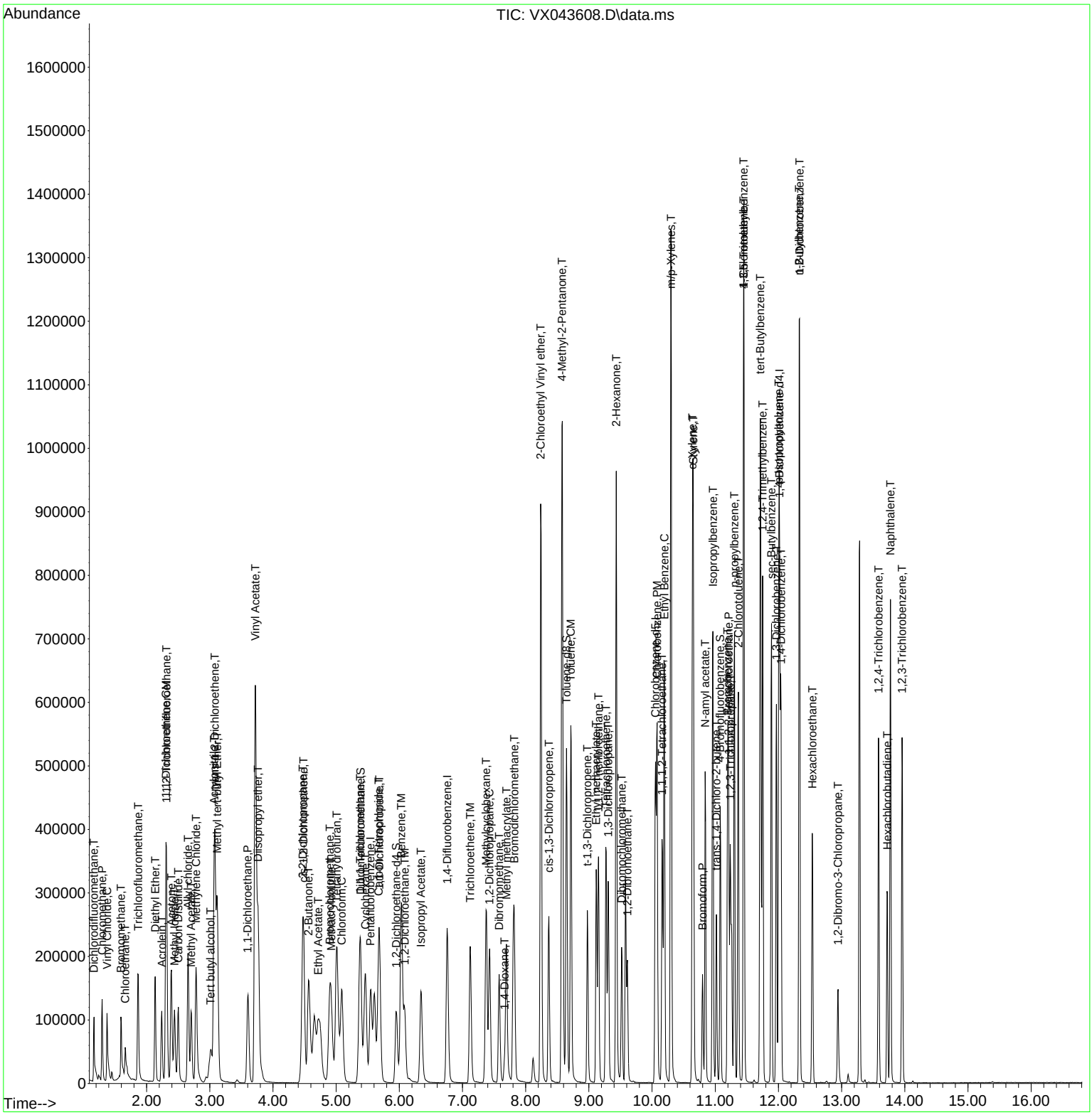
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

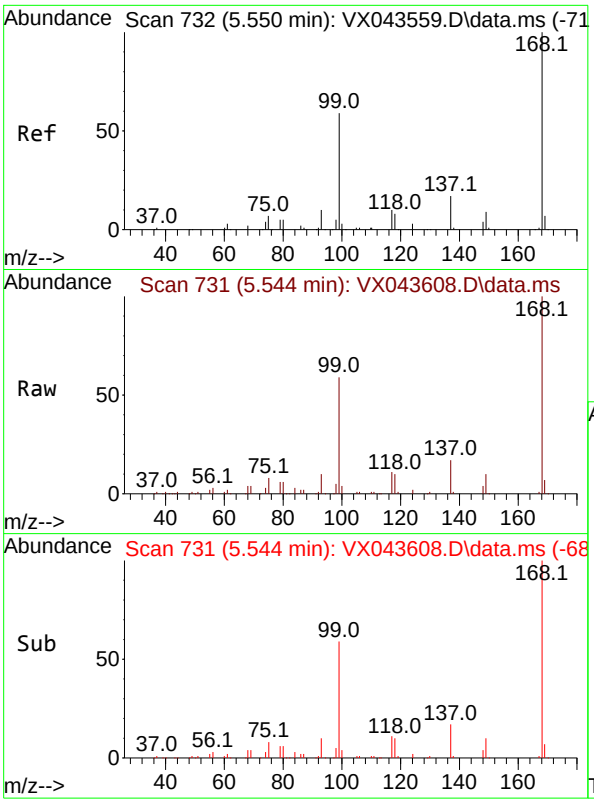
Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

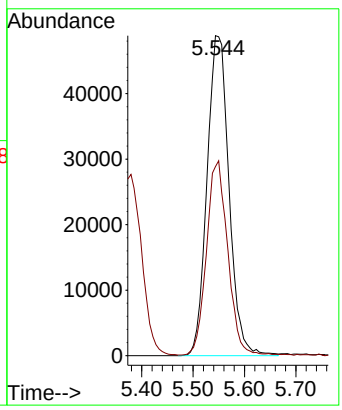




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:168 Resp: 14518

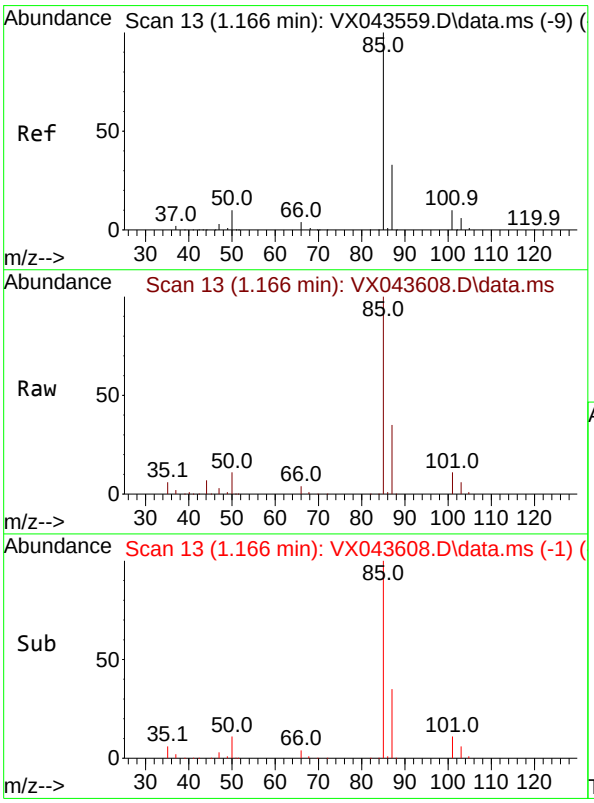
Ion	Ratio	Lower	Upper
168	100		
99	58.9	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

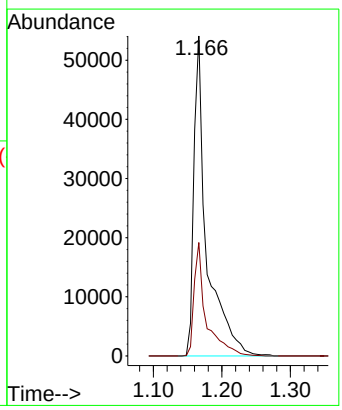
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

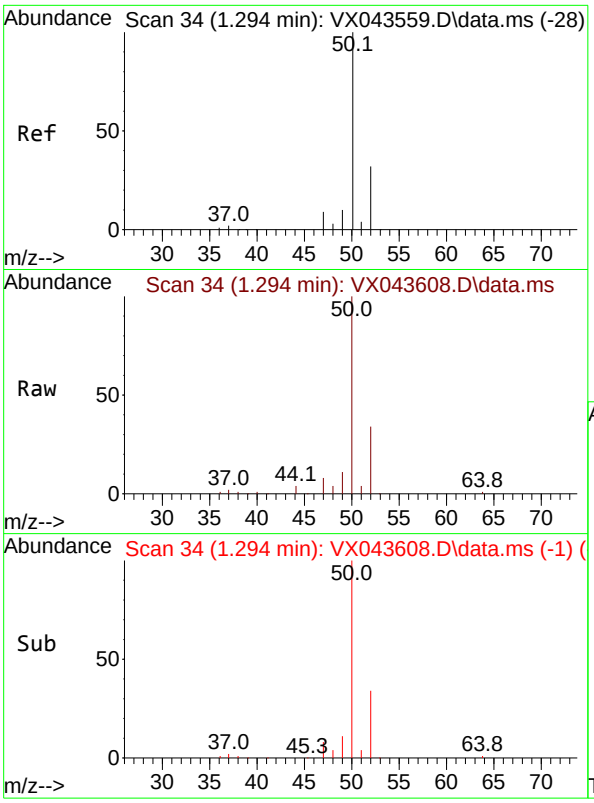


#2
Dichlorodifluoromethane
Concen: 45.527 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 85 Resp: 70689

Ion	Ratio	Lower	Upper
85	100		
87	35.4	15.7	47.0

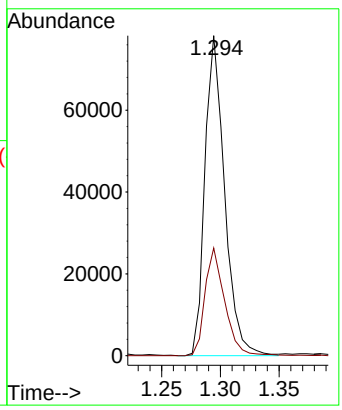




#3
Chloromethane
Concen: 46.060 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 50 Resp: 9142

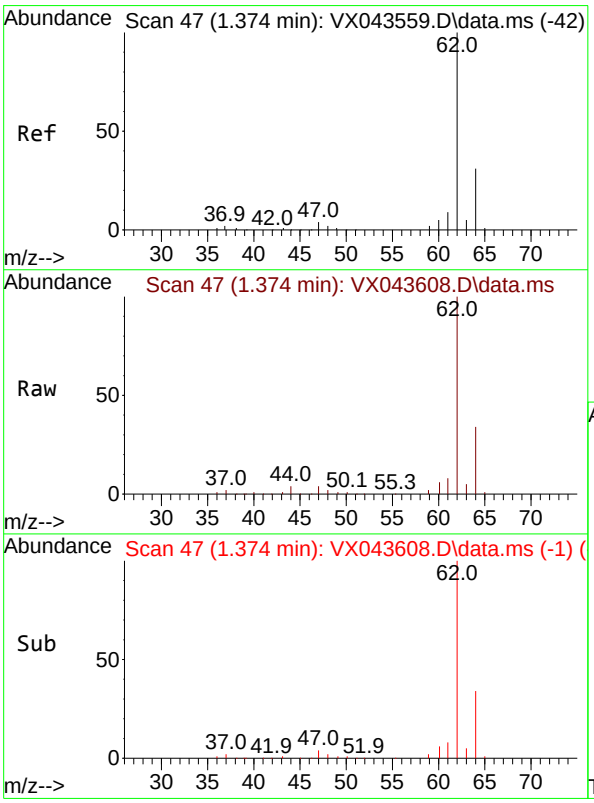
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

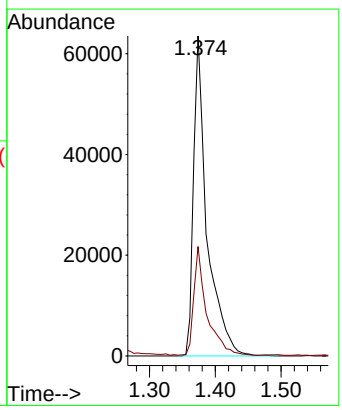
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

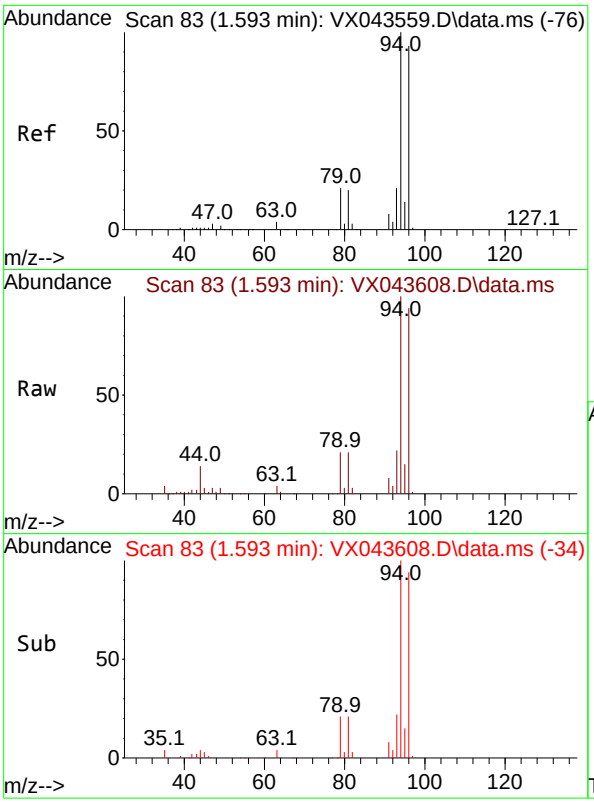


#4
Vinyl Chloride
Concen: 49.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 62 Resp: 90322

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.0	37.4

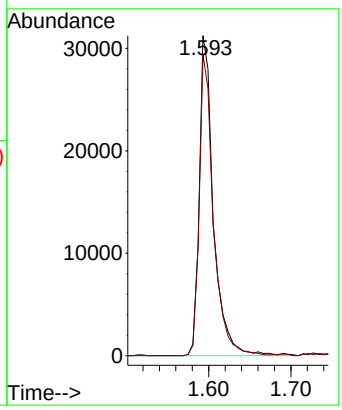




#5
Bromomethane
Concen: 49.698 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 94 Resp: 3732

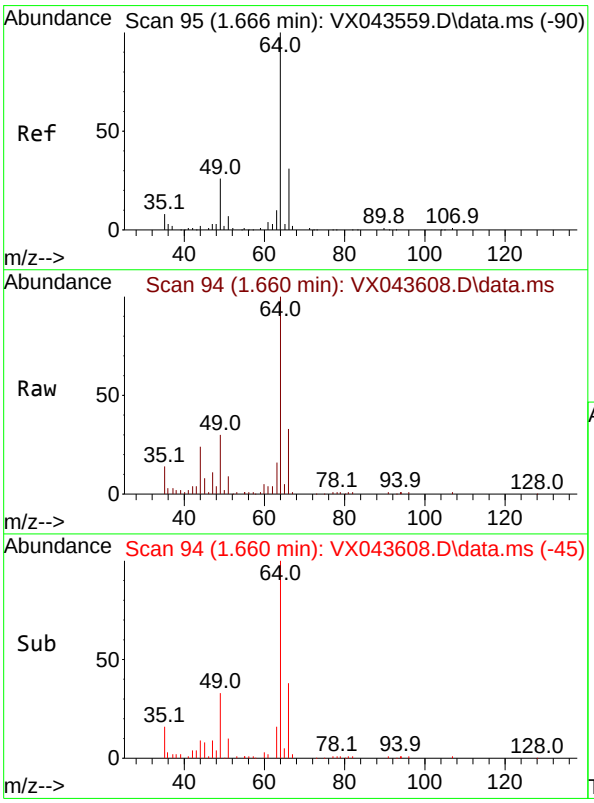
Ion	Ratio	Lower	Upper
94	100		
96	94.1	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

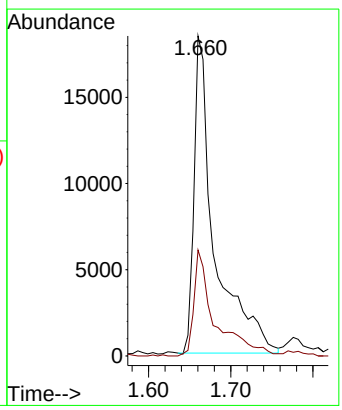
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

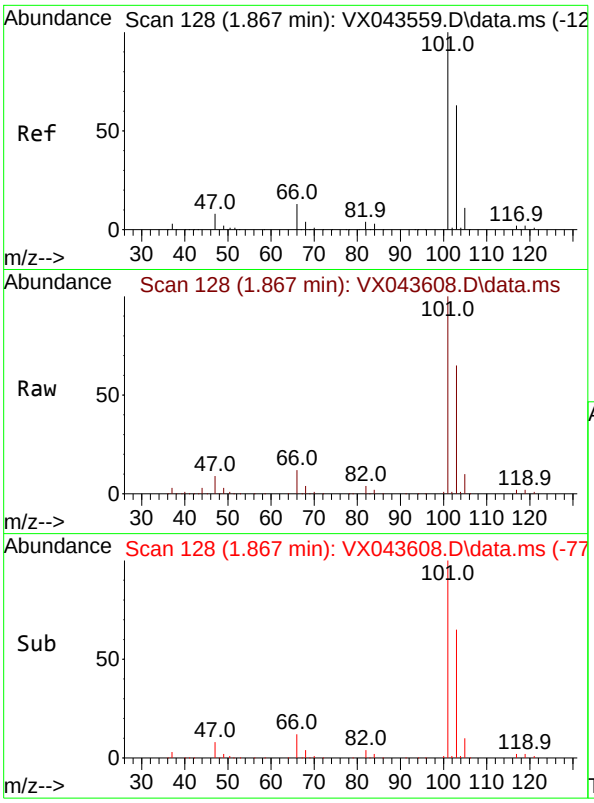


#6
Chloroethane
Concen: 49.288 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 64 Resp: 31987

Ion	Ratio	Lower	Upper
64	100		
66	33.4	25.1	37.7





#7
Trichlorofluoromethane
Concen: 50.793 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

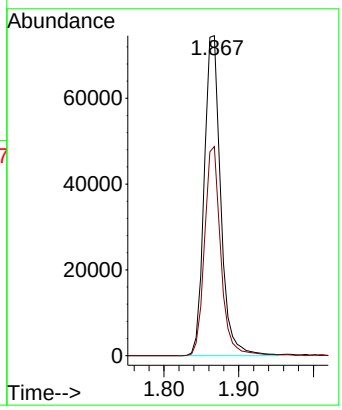
Tgt Ion:101 Resp: 11430

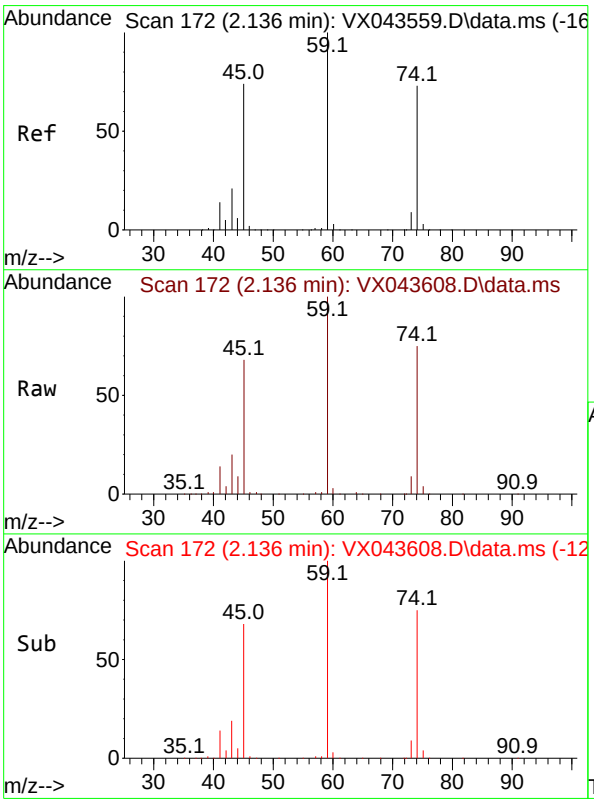
Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

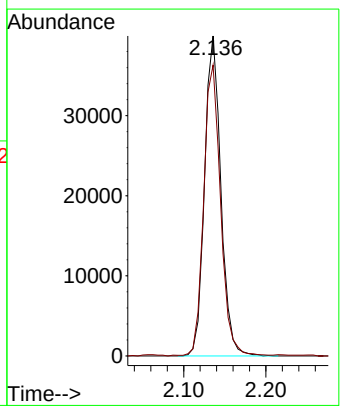


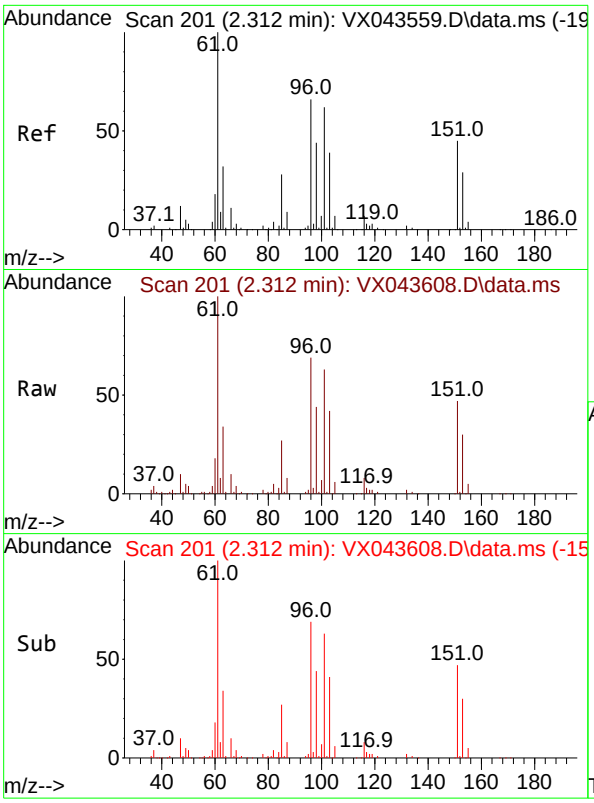


#8
Diethyl Ether
Concen: 52.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 74 Resp: 54976

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.715 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

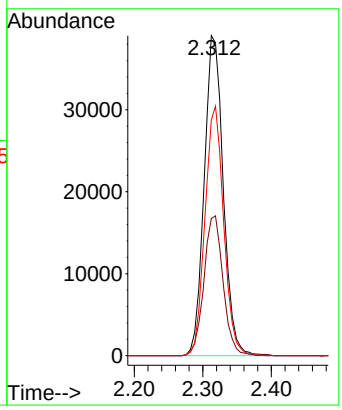
Tgt Ion:101 Resp: 7566

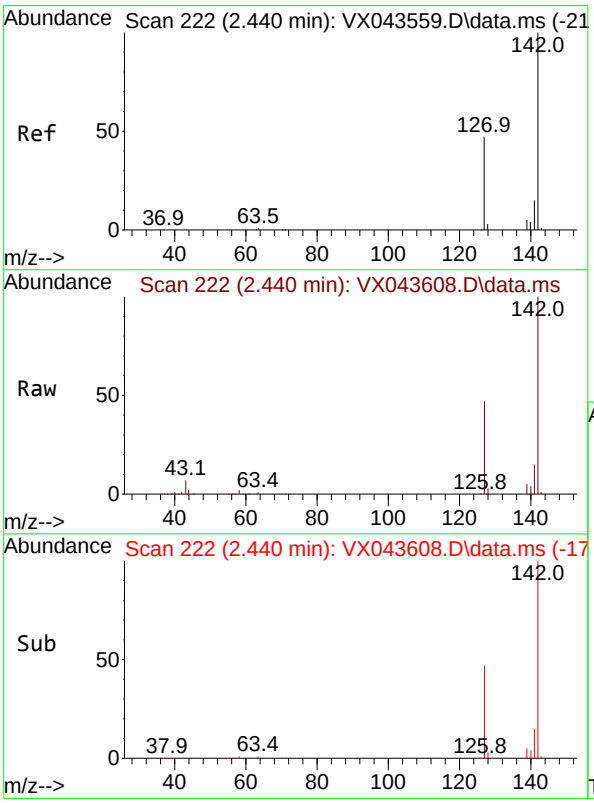
Ion	Ratio	Lower	Upper
101	100		
85	43.9	34.5	51.7
151	76.5	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

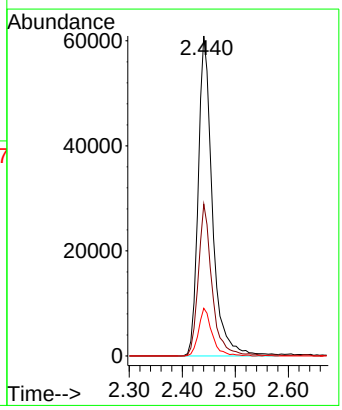


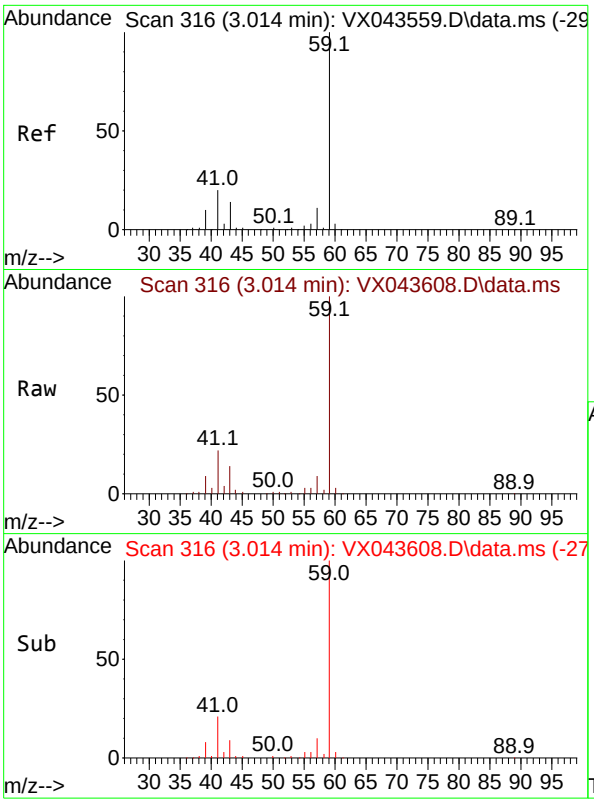


#10
Methyl Iodide
Concen: 51.575 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:142 Resp: 113402

Ion	Ratio	Lower	Upper
142	100		
127	45.9	38.2	57.4
141	14.3	11.5	17.3





#11
Tert butyl alcohol
Concen: 263.841 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.036 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

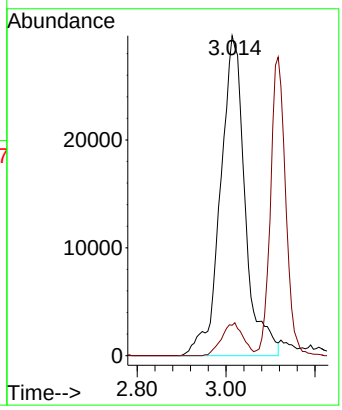
Tgt Ion: 59 Resp: 11400

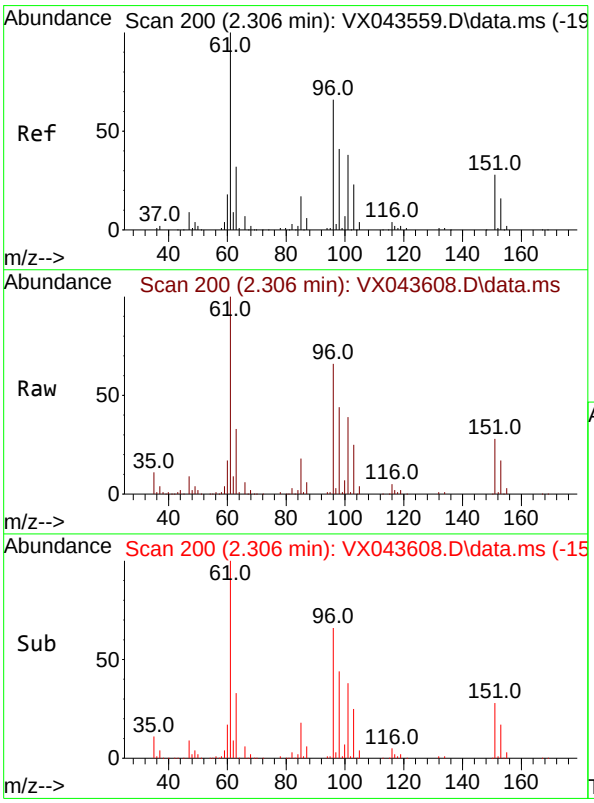
Ion	Ratio	Lower	Upper
59	100		
57	8.9	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

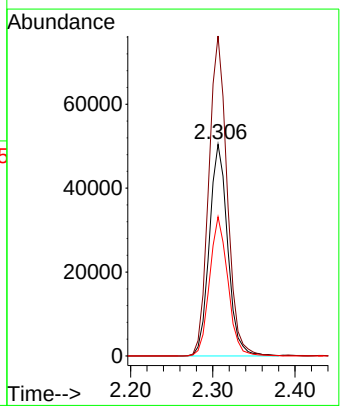


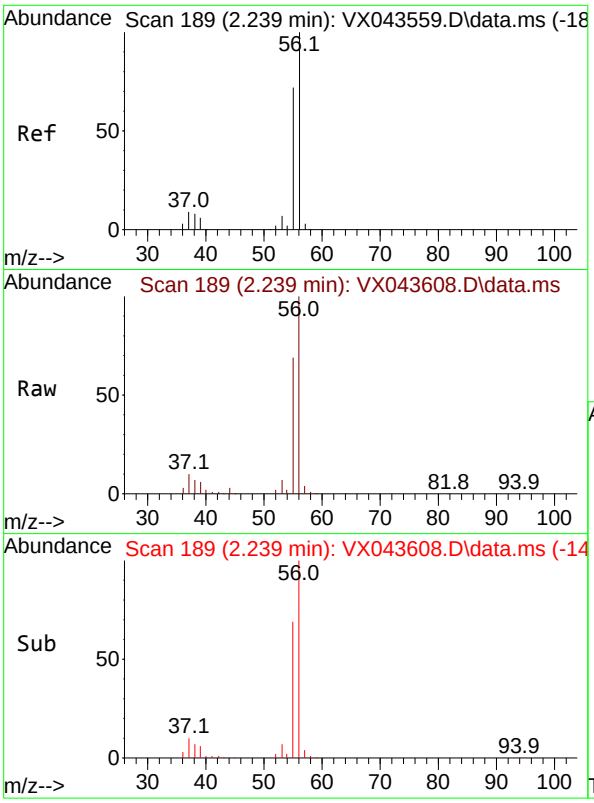


#12
1,1-Dichloroethene
Concen: 50.316 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 96 Resp: 78253

Ion	Ratio	Lower	Upper
96	100		
61	151.1	130.2	195.4
98	65.8	51.0	76.6

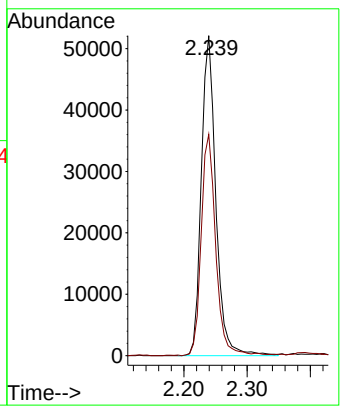




#13
Acrolein
Concen: 247.404 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 56 Resp: 8360

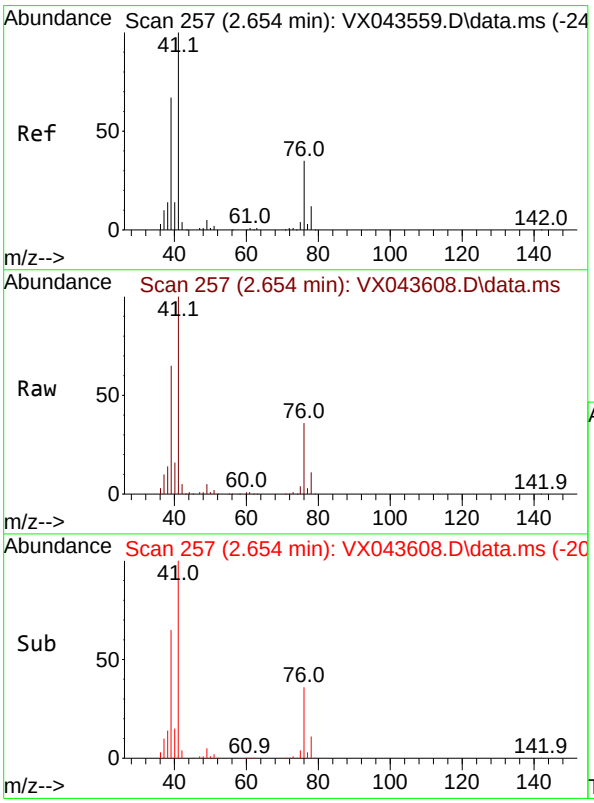
Ion	Ratio	Lower	Upper
56	100		
55	68.5	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

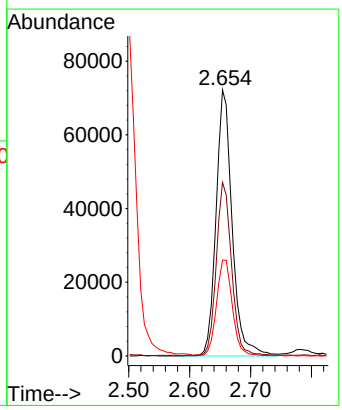
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

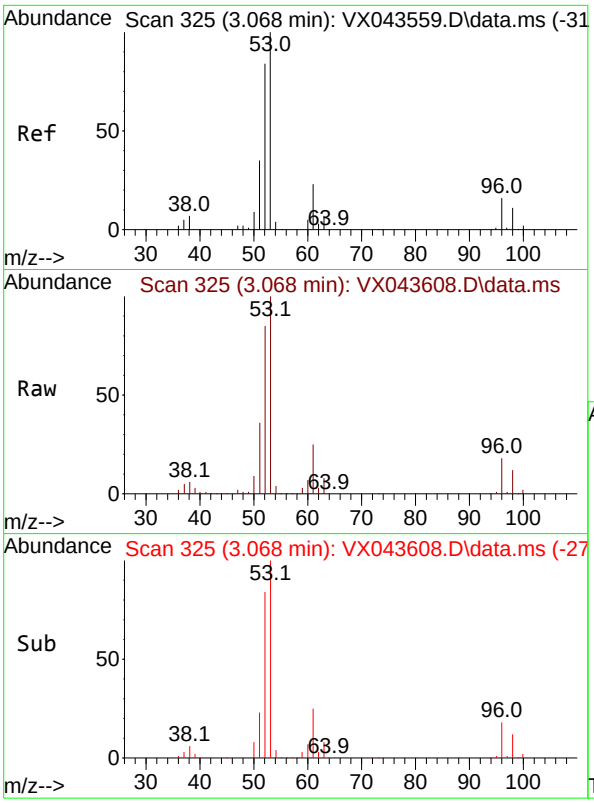


#14
Allyl chloride
Concen: 49.498 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 41 Resp: 133149

Ion	Ratio	Lower	Upper
41	100		
39	61.5	53.2	79.8
76	35.5	27.0	40.6

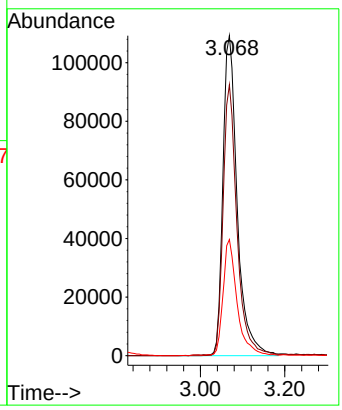




#15
Acrylonitrile
Concen: 262.562 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 53 Resp: 25615

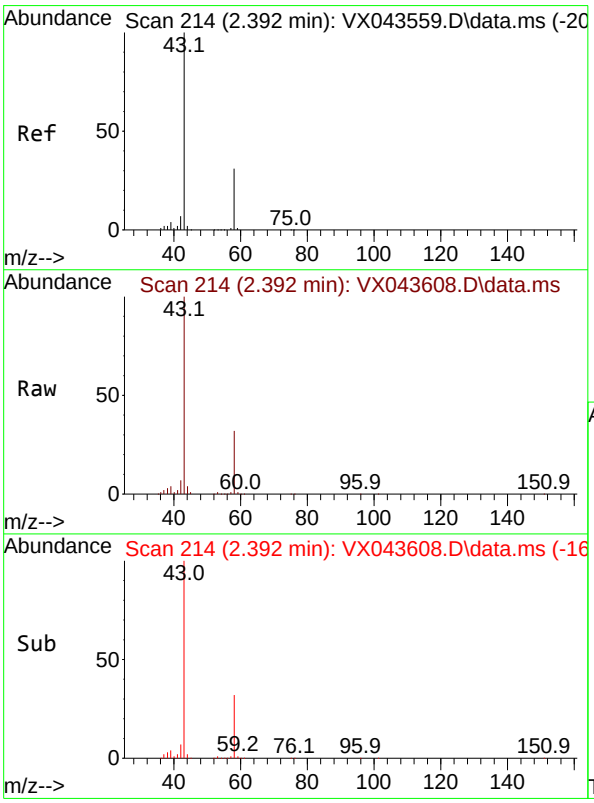
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.6
51	35.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

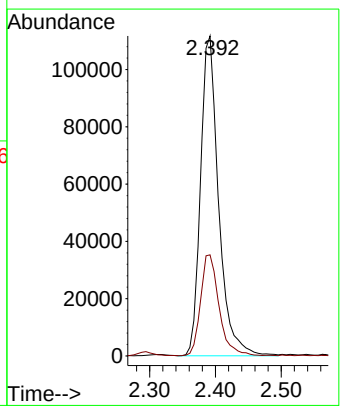
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

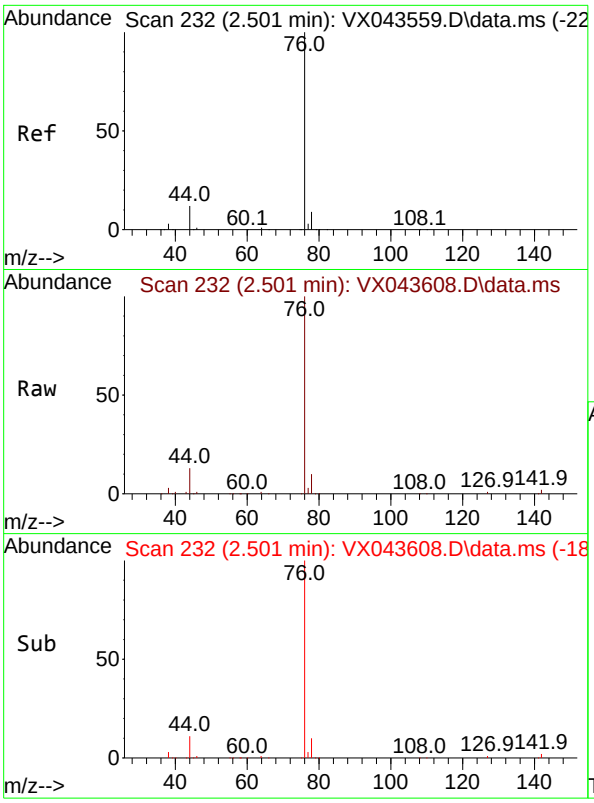


#16
Acetone
Concen: 231.934 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 213222

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.1	37.7





#17
Carbon Disulfide
Concen: 45.217 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

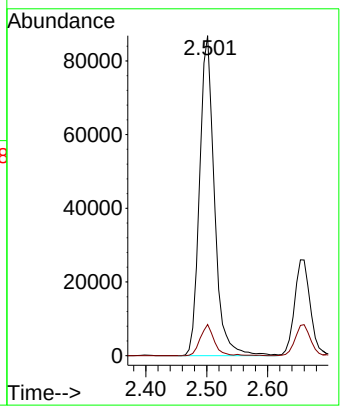
Tgt Ion: 76 Resp: 14705

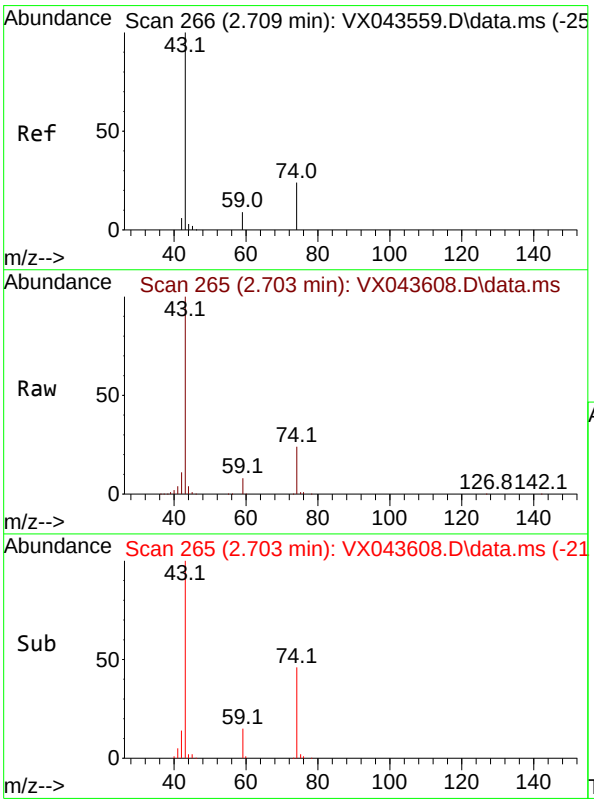
Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

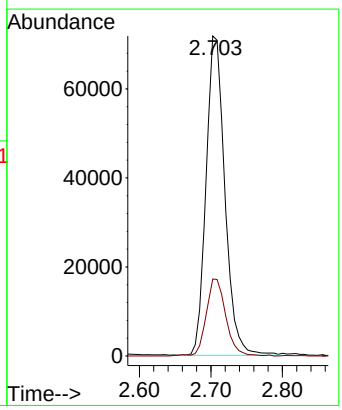


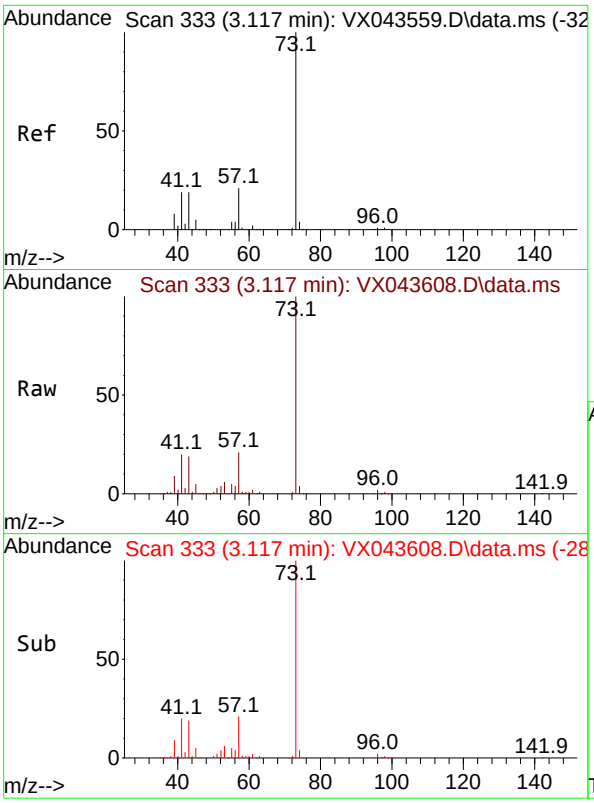


#18
Methyl Acetate
Concen: 48.896 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 131374

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 51.858 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

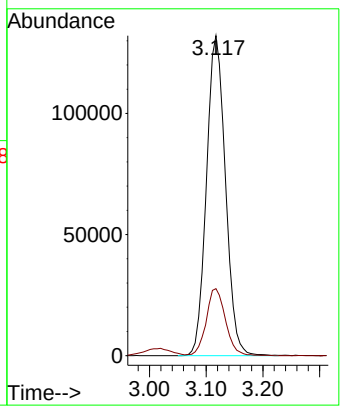
Tgt Ion: 73 Resp: 30671

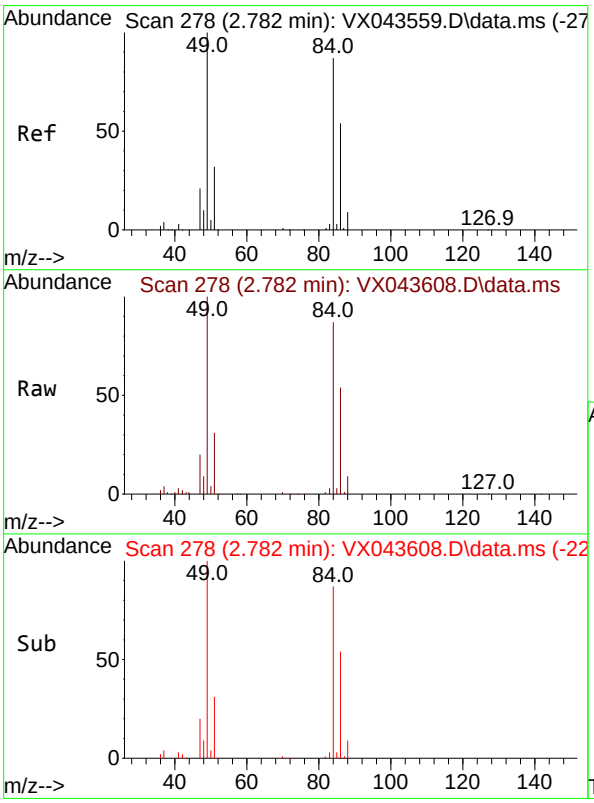
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

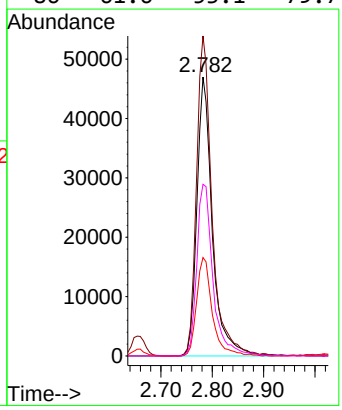


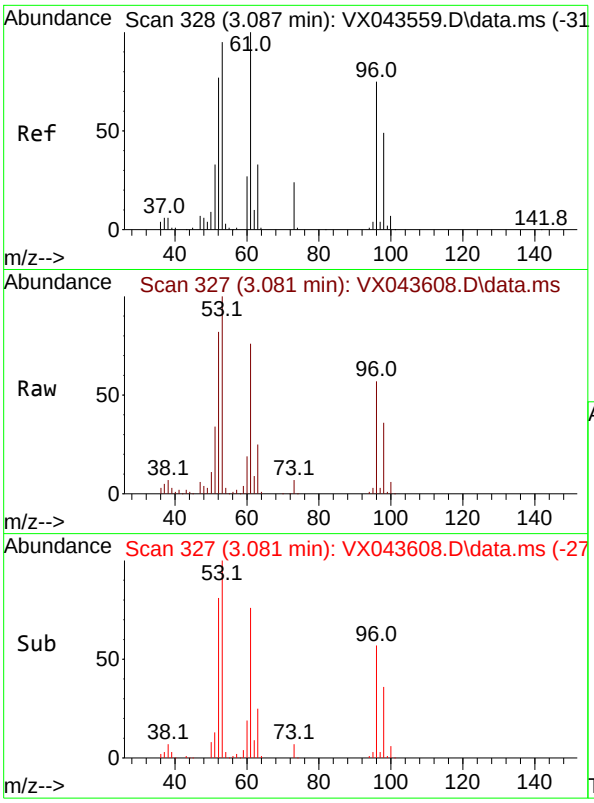


#20
Methylene Chloride
Concen: 49.441 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 84 Resp: 97958

Ion	Ratio	Lower	Upper
84	100		
49	114.8	97.0	145.6
51	35.3	29.8	44.8
86	61.6	53.1	79.7

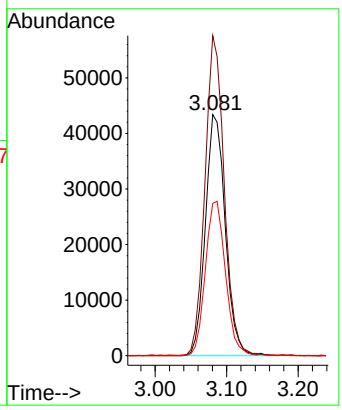




#21
trans-1,2-Dichloroethene
Concen: 51.050 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 96 Resp: 8387

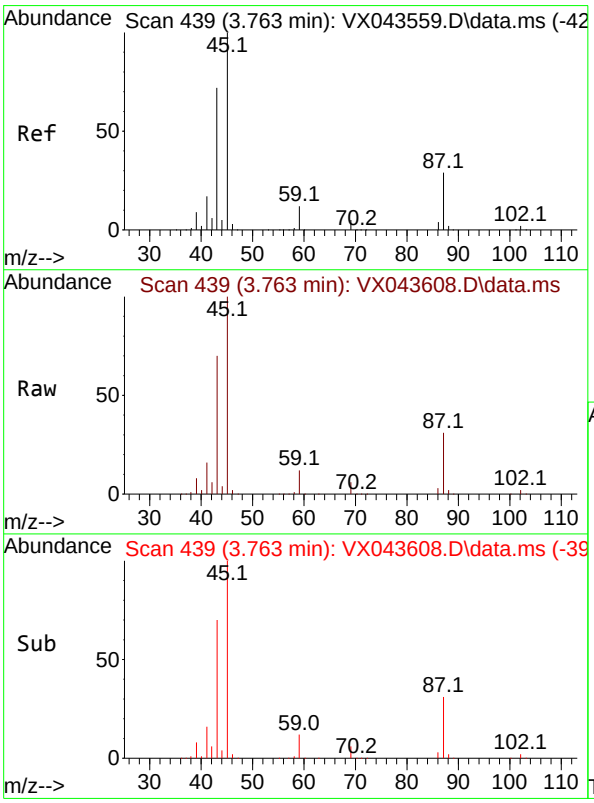
Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.1	160.7
98	63.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

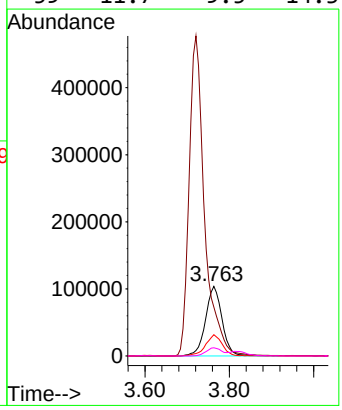
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

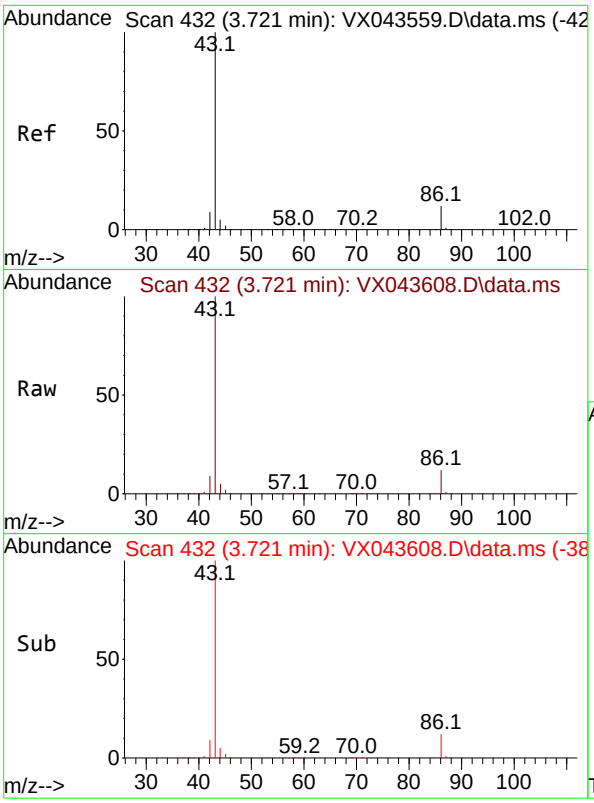


#22
Diisopropyl ether
Concen: 50.951 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 45 Resp: 283296

Ion	Ratio	Lower	Upper
45	100		
43	69.3	60.6	90.8
87	30.7	22.0	33.0
59	11.7	9.5	14.3





#23
Vinyl Acetate
Concen: 265.039 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

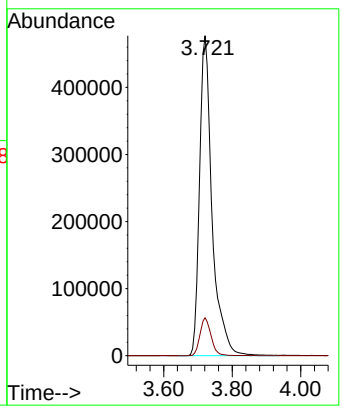
Tgt Ion: 43 Resp: 121746

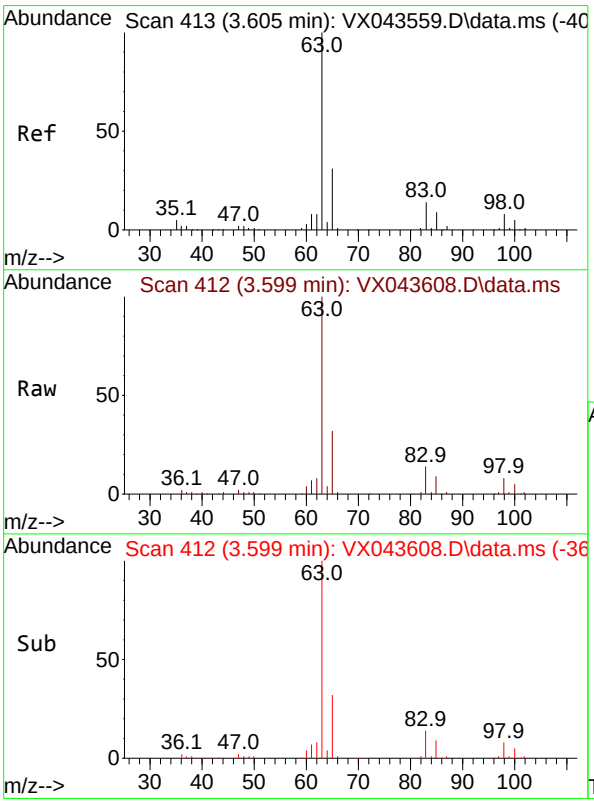
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

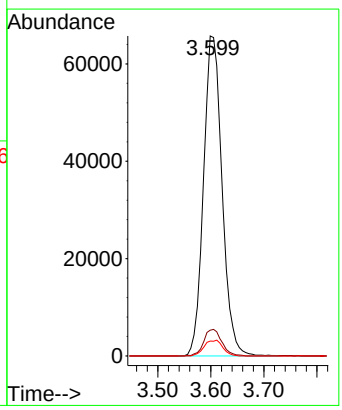


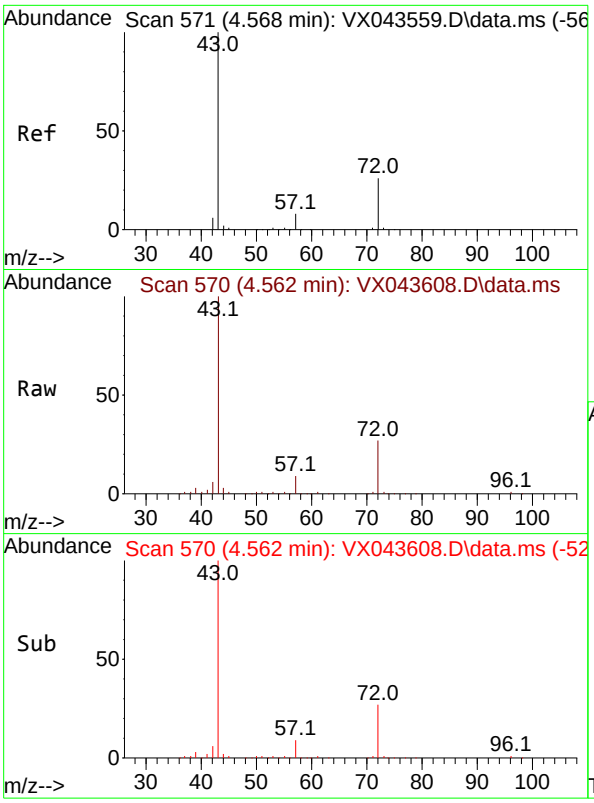


#24
1,1-Dichloroethane
Concen: 49.980 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 63 Resp: 159722

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.5	10.4
100	4.6	2.4	7.2





#25
2-Butanone
Concen: 250.264 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

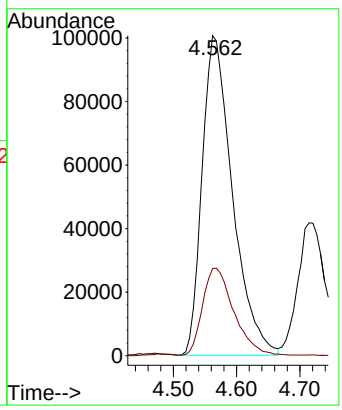
Tgt Ion: 43 Resp: 33561

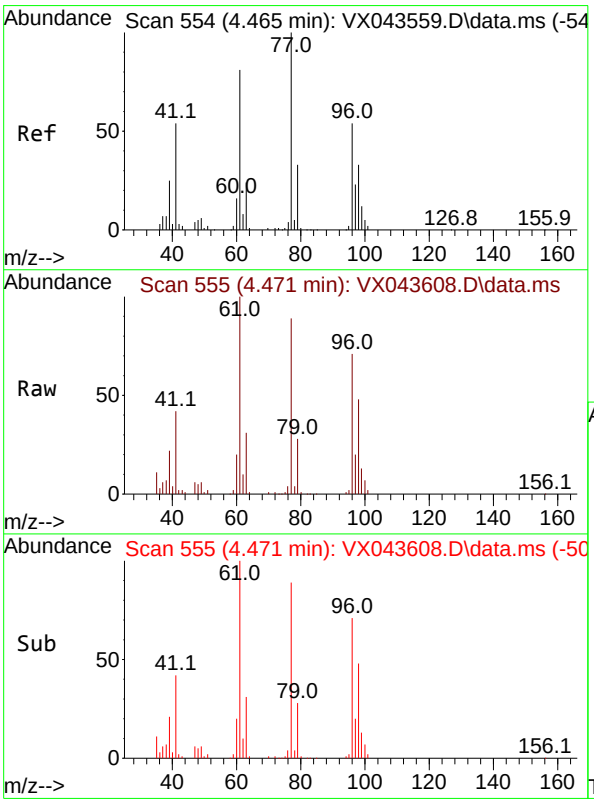
Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.1	31.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

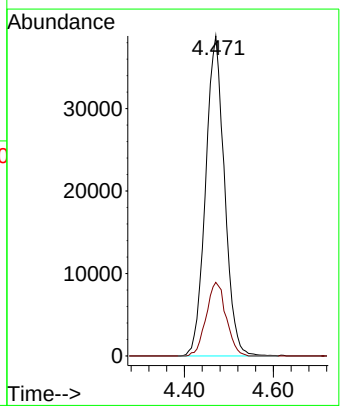


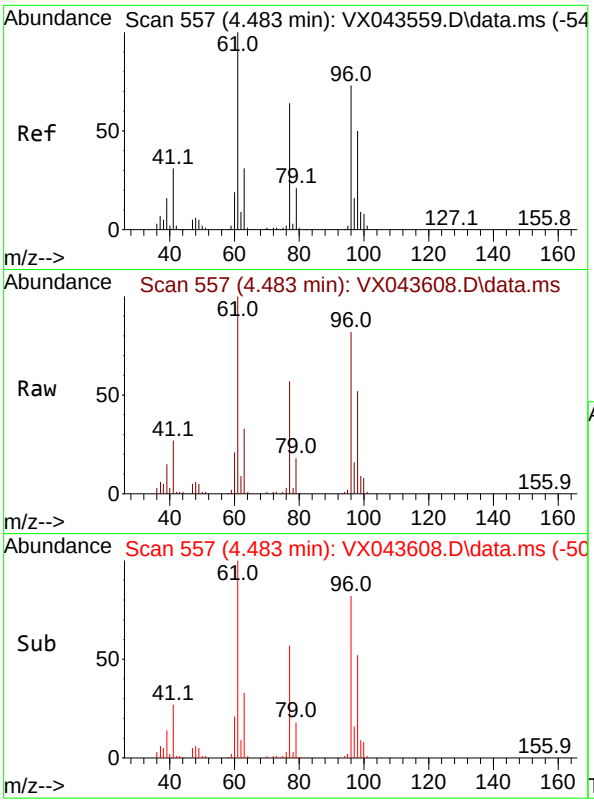


#26
2,2-Dichloropropane
Concen: 43.890 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 77 Resp: 114810

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.6	34.8

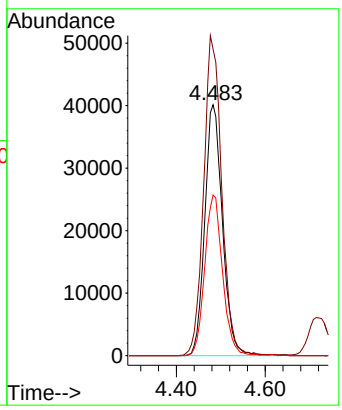




#27
cis-1,2-Dichloroethene
Concen: 52.971 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 96 Resp: 11118

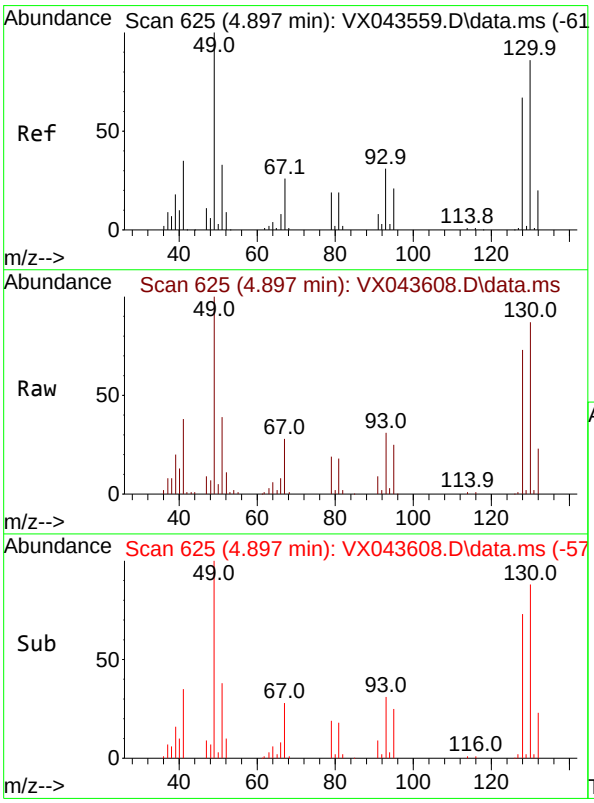
Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	277.2
98	64.5	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

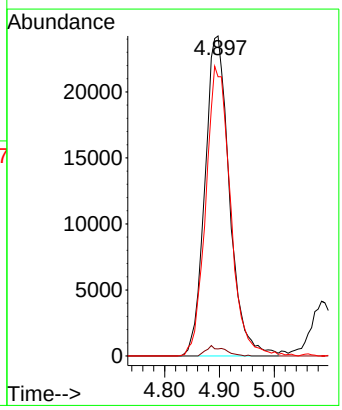
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

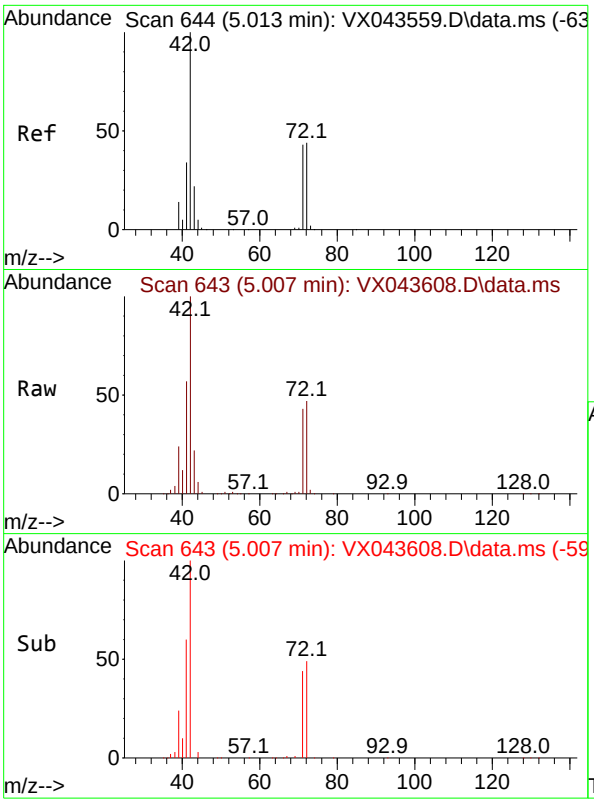


#28
Bromochloromethane
Concen: 49.662 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 49 Resp: 75498

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	90.9	67.8	101.8





#29
Tetrahydrofuran
Concen: 250.734 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

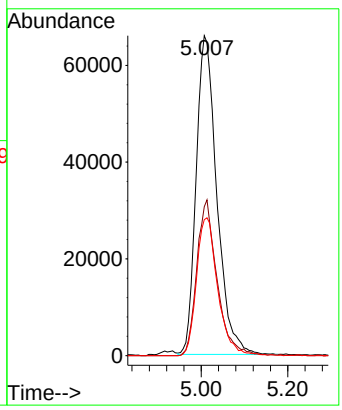
Tgt Ion: 42 Resp: 21851

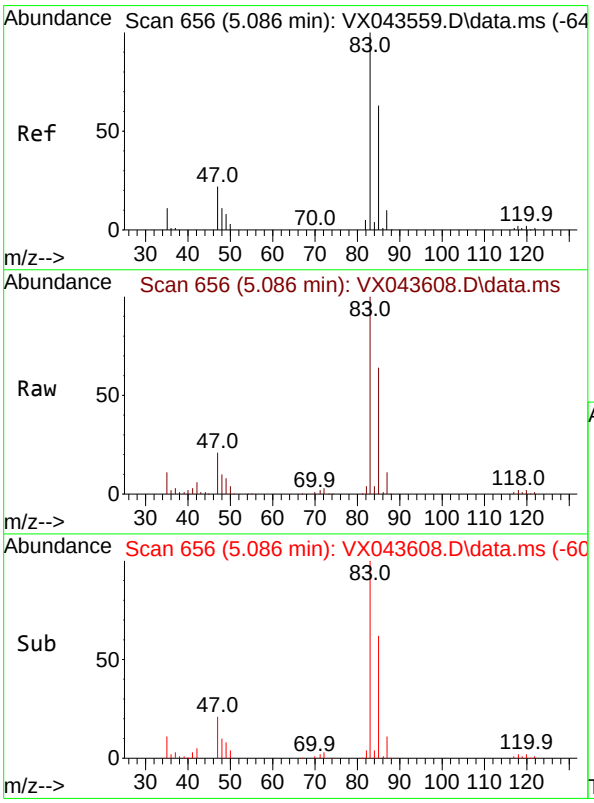
Ion	Ratio	Lower	Upper
42	100		
72	48.1	36.6	55.0
71	44.4	34.2	51.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

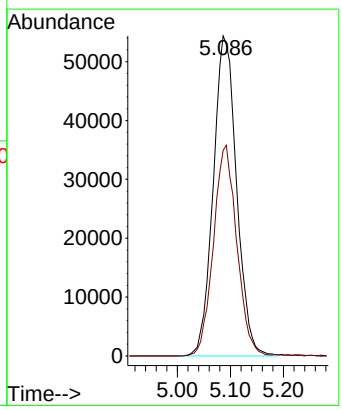


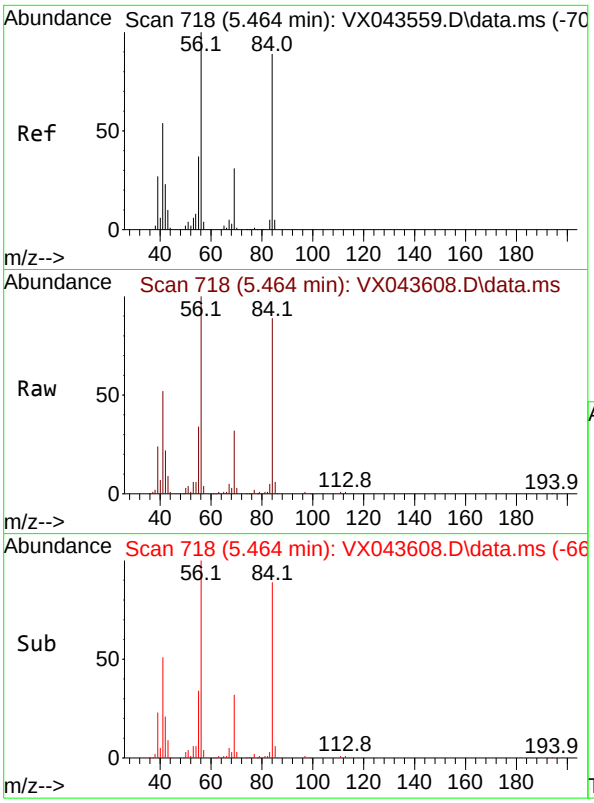


#30
Chloroform
Concen: 49.656 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 83 Resp: 166347

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





#31
Cyclohexane
Concen: 49.541 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

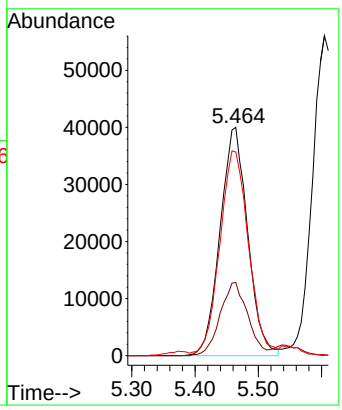
Tgt Ion: 56 Resp: 12109

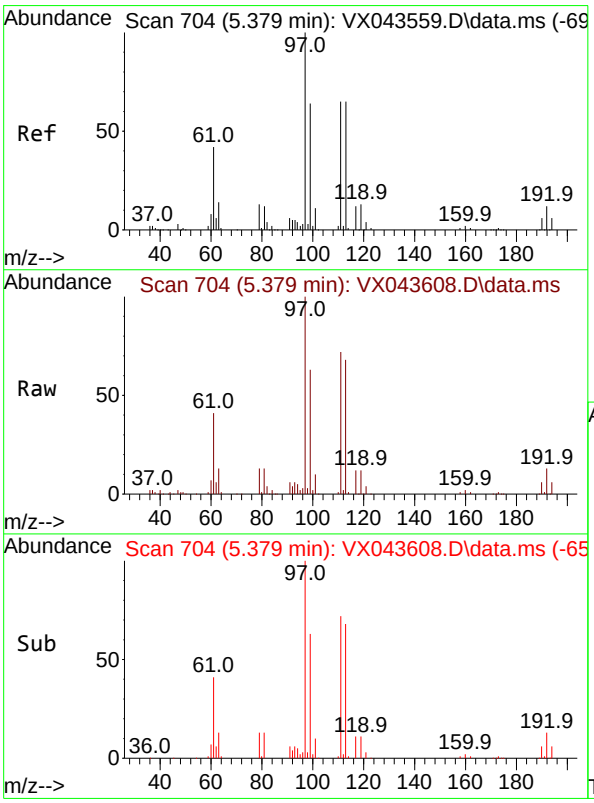
Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.9	37.3
84	87.2	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

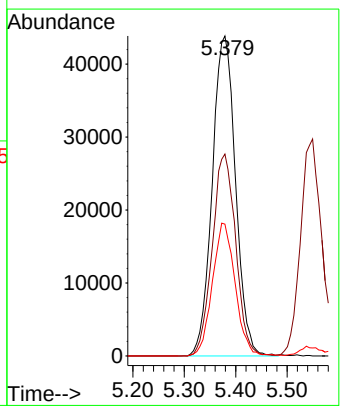


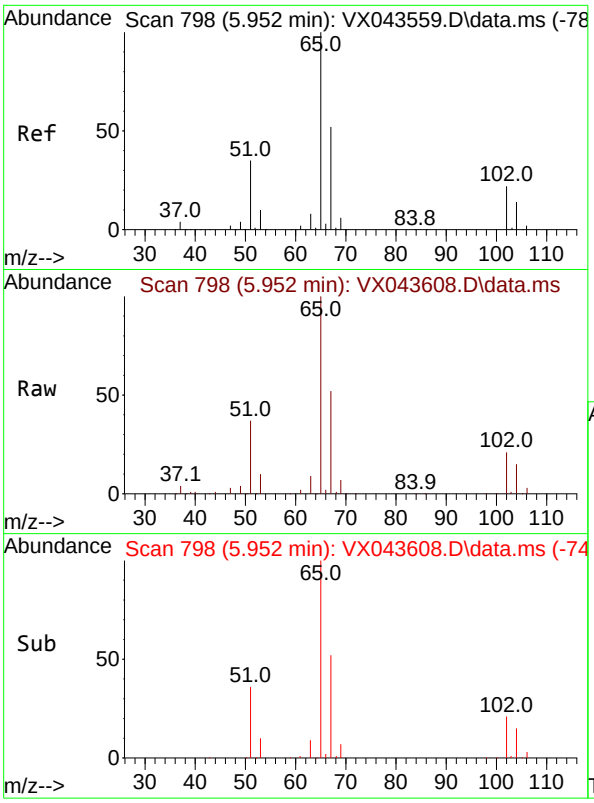


#32
1,1,1-Trichloroethane
Concen: 49.171 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 97 Resp: 138292

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.0
61	40.7	34.0	51.0

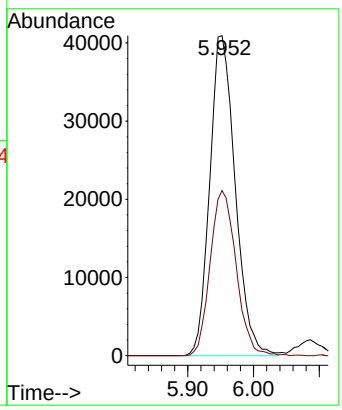




#33
1,2-Dichloroethane-d4
Concen: 47.685 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 65 Resp: 11039

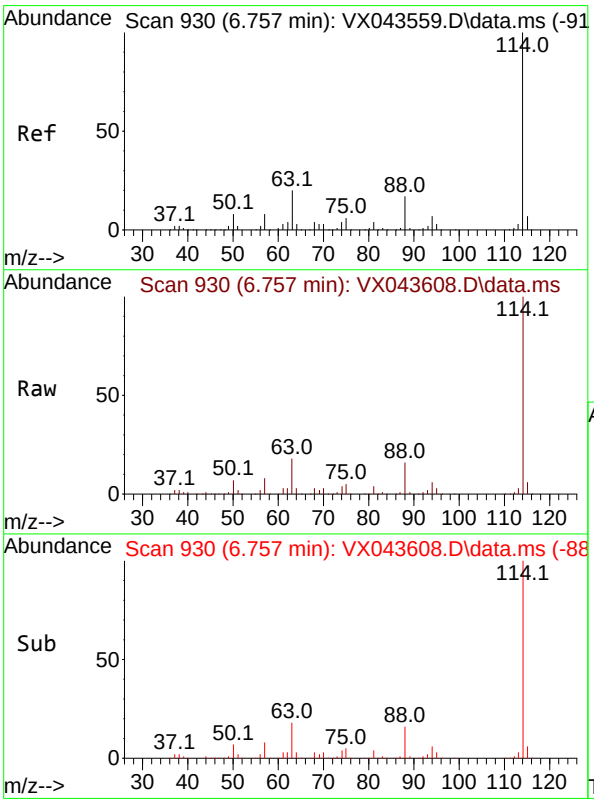
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

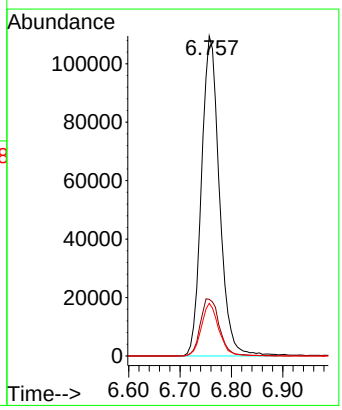
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

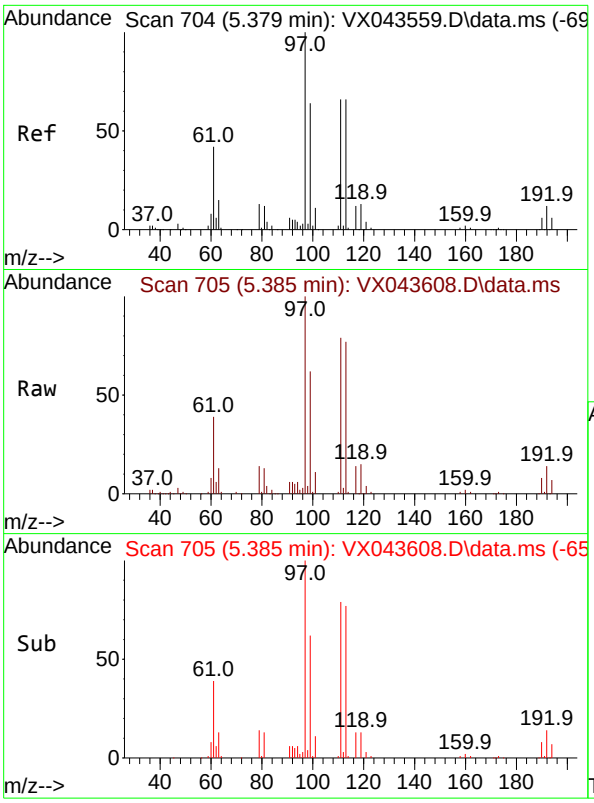


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:114 Resp: 265353

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	41.2
88	16.4	0.0	34.0

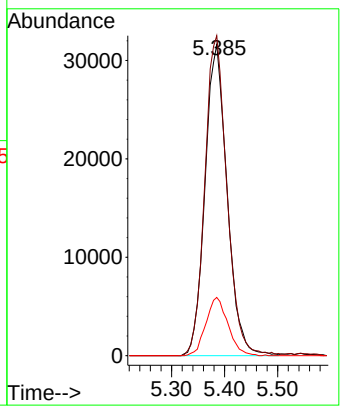




#35
Dibromofluoromethane
Concen: 50.941 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:113 Resp: 9166(

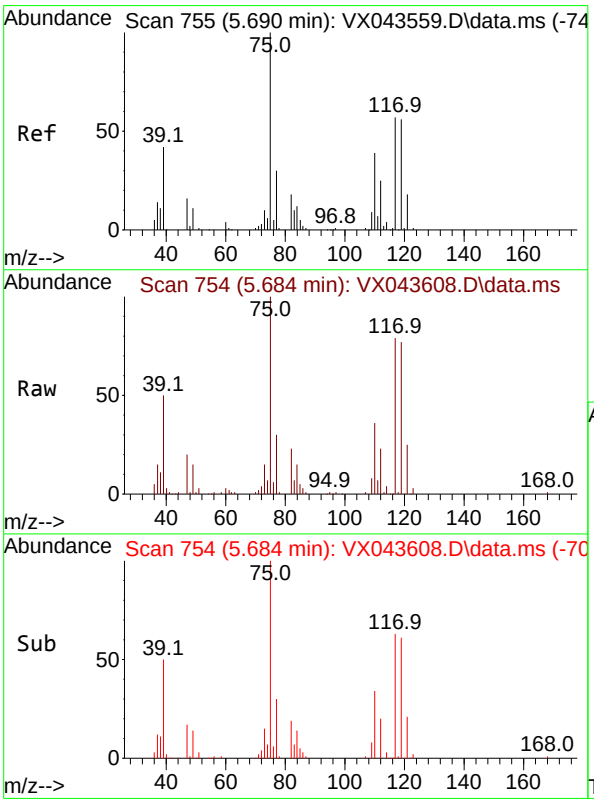
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	18.7	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

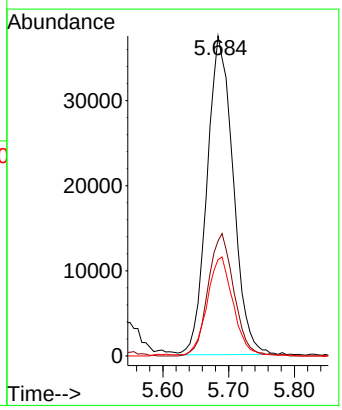
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

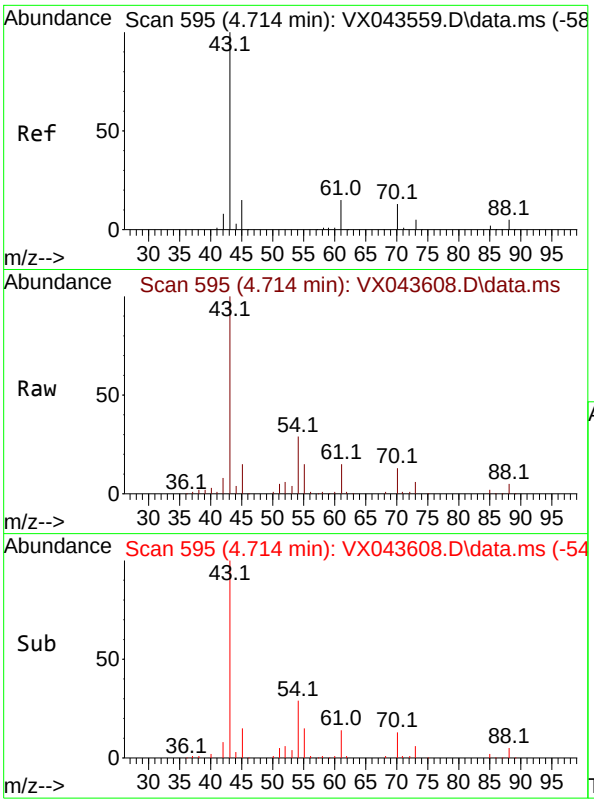


#36
1,1-Dichloropropene
Concen: 48.407 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 103282

Ion	Ratio	Lower	Upper
75	100		
110	38.1	17.9	53.7
77	30.6	25.0	37.4





#37
Ethyl Acetate
Concen: 50.801 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

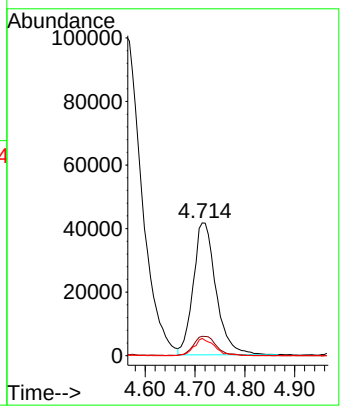
Tgt Ion: 43 Resp: 13158

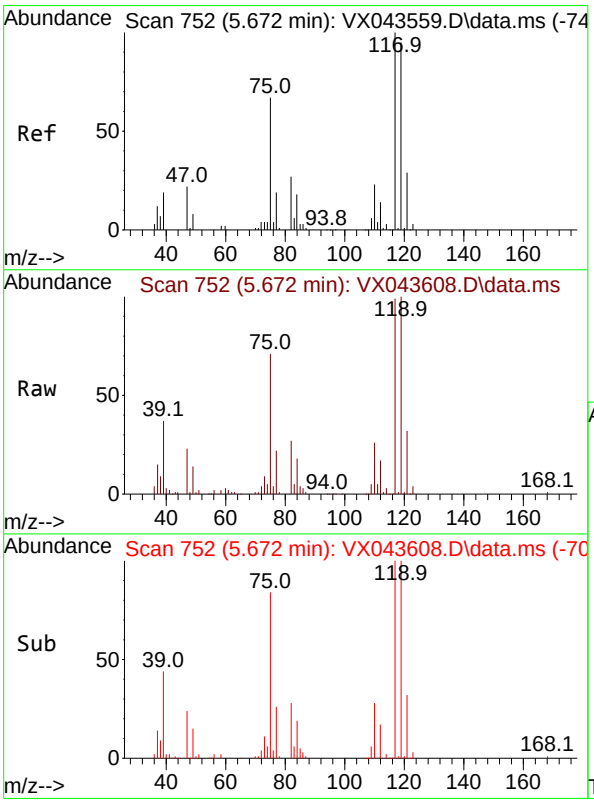
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.8	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

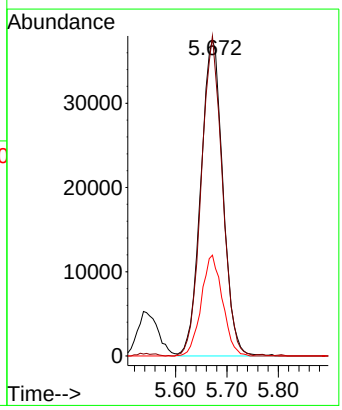


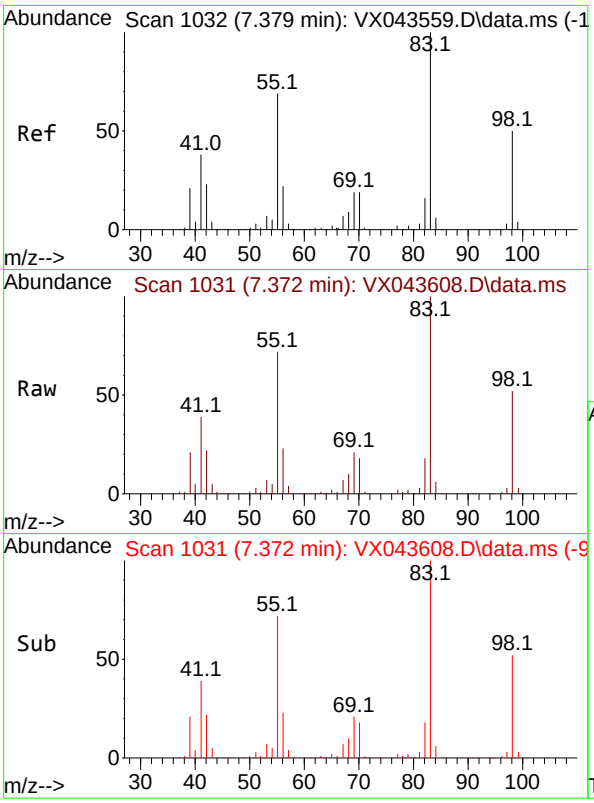


#38
Carbon Tetrachloride
Concen: 47.400 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:117 Resp: 111743

Ion	Ratio	Lower	Upper
117	100		
119	100.9	77.0	115.6
121	31.9	24.7	37.1

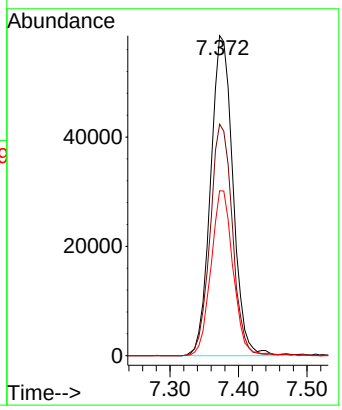




#39
Methylcyclohexane
Concen: 49.896 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 83 Resp: 13217

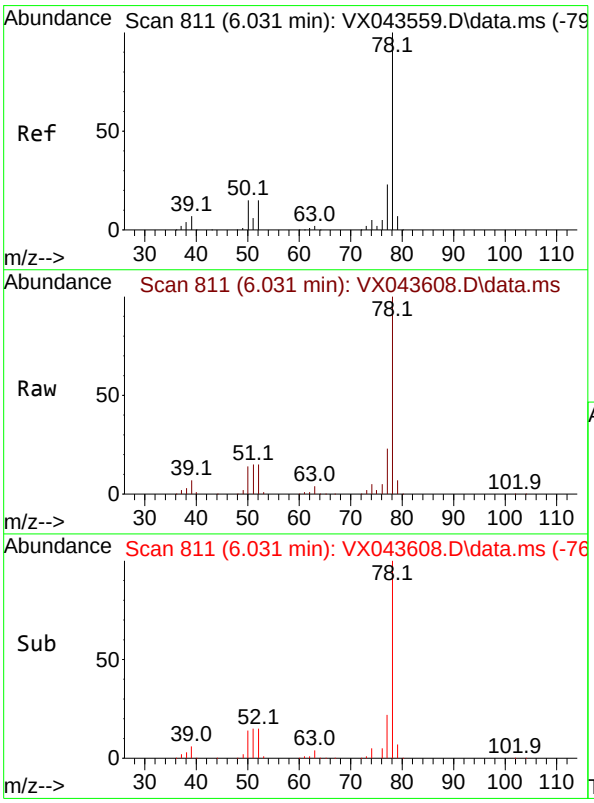
Ion	Ratio	Lower	Upper
83	100		
55	72.4	59.9	89.9
98	51.5	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

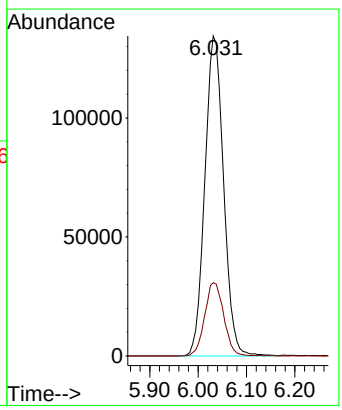
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

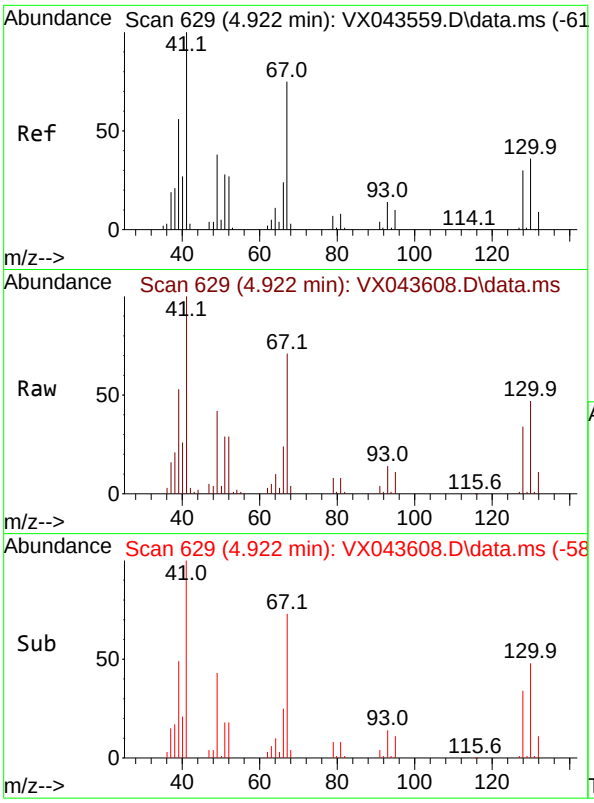


#40
Benzene
Concen: 50.901 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 78 Resp: 362305

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6

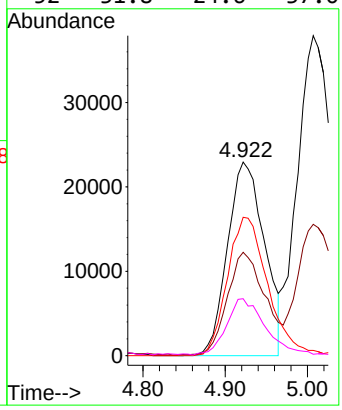




#41
Methacrylonitrile
Concen: 52.879 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 41 Resp: 7189

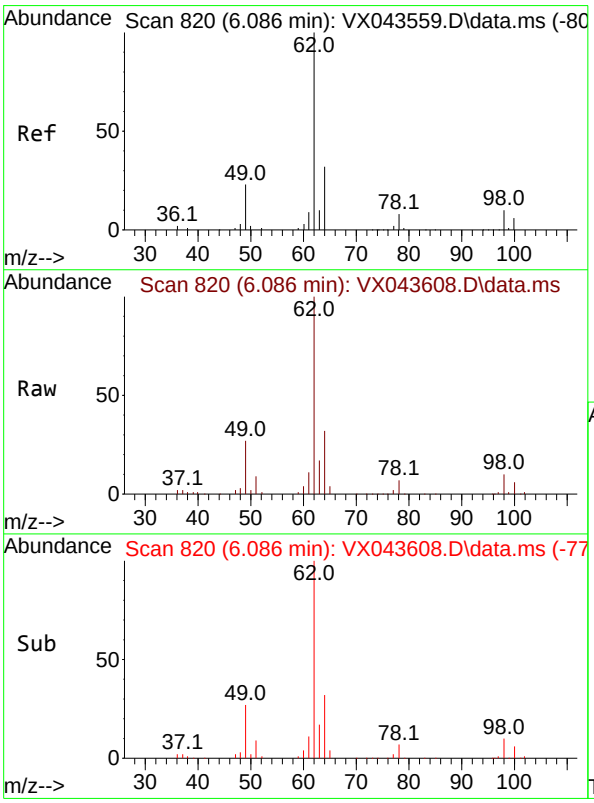
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.5	65.3
67	78.4	58.3	87.5
52	31.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

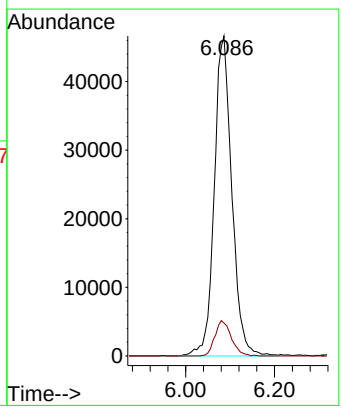
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

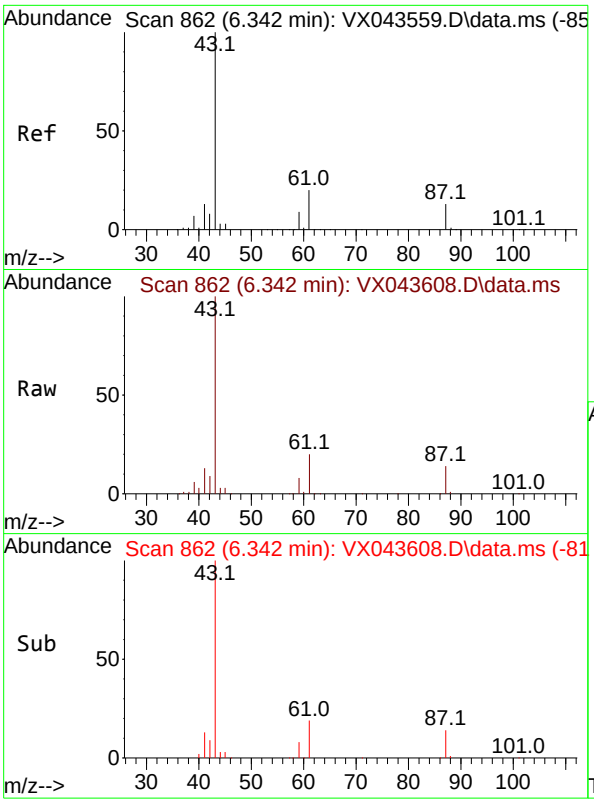


#42
1,2-Dichloroethane
Concen: 49.839 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 62 Resp: 127532

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8





#43
Isopropyl Acetate
Concen: 50.370 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

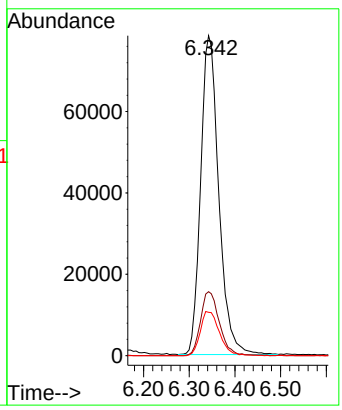
Tgt Ion: 43 Resp: 21577

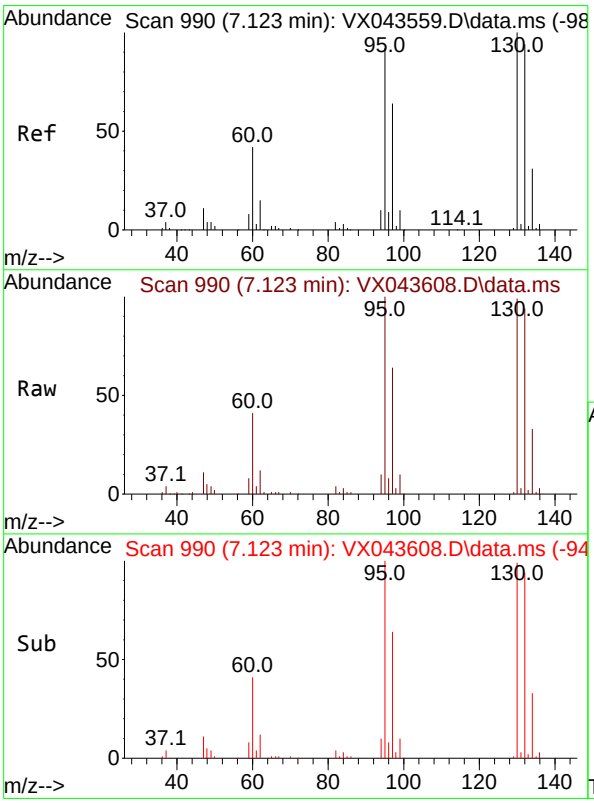
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.2	24.4
87	14.7	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

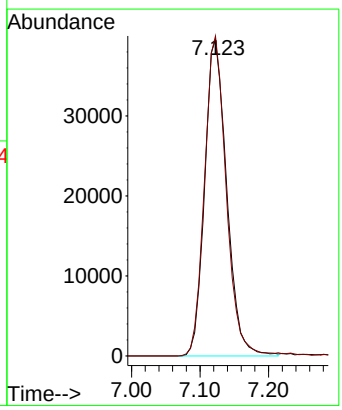


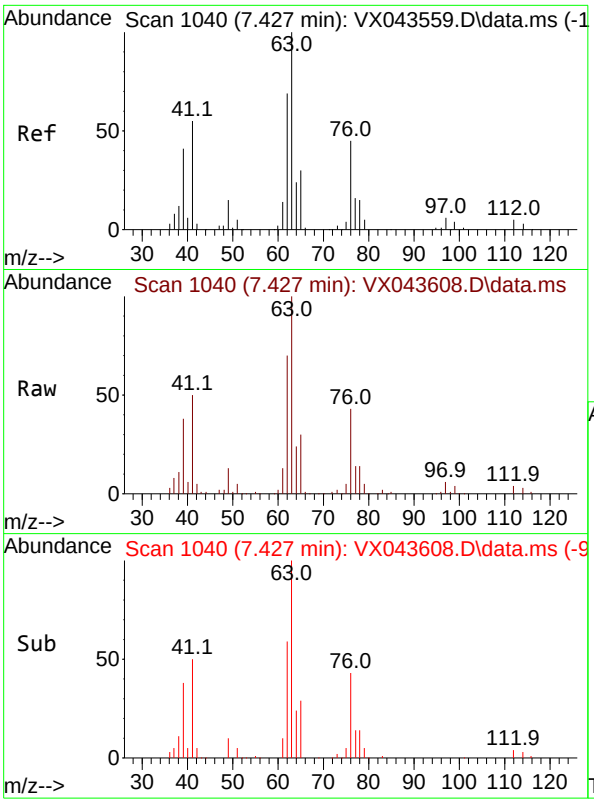


#44
Trichloroethene
Concen: 50.041 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:130 Resp: 88486

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.6





#45
1,2-Dichloropropane
Concen: 52.297 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

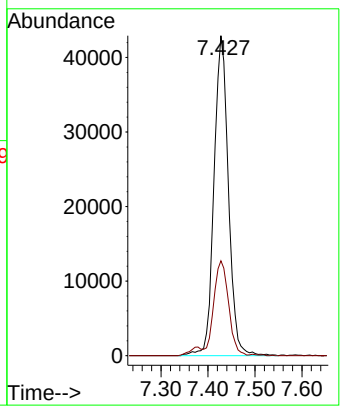
Tgt Ion: 63 Resp: 9165

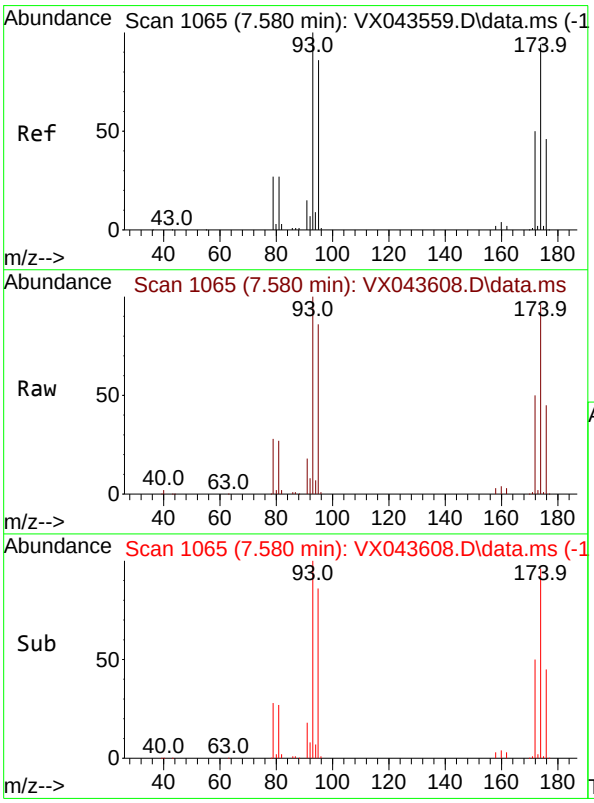
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

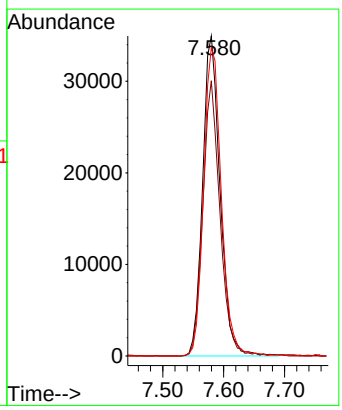


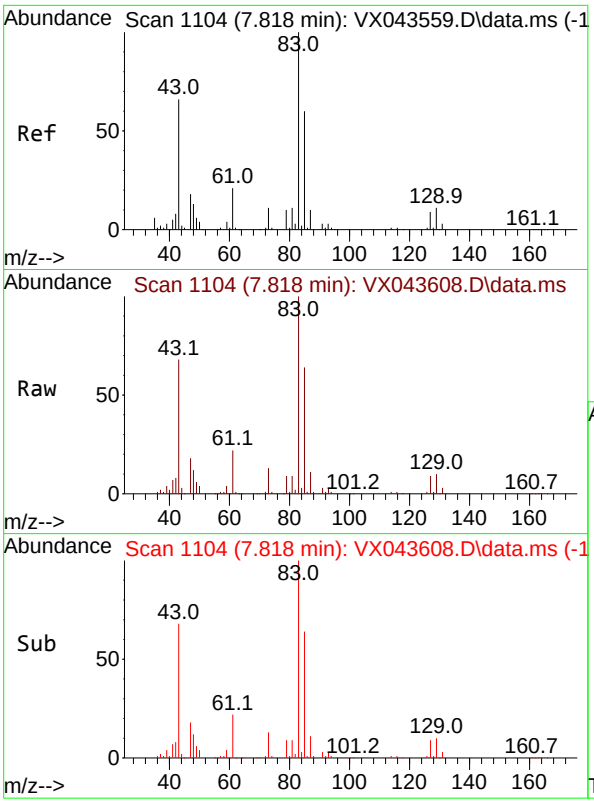


#46
Dibromomethane
Concen: 51.612 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 93 Resp: 69649

Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.4	99.6
174	97.9	75.0	112.4

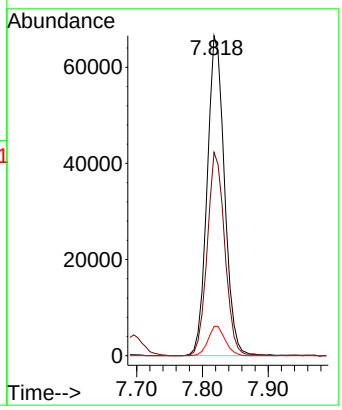




#47
Bromodichloromethane
Concen: 51.646 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 83 Resp: 12226

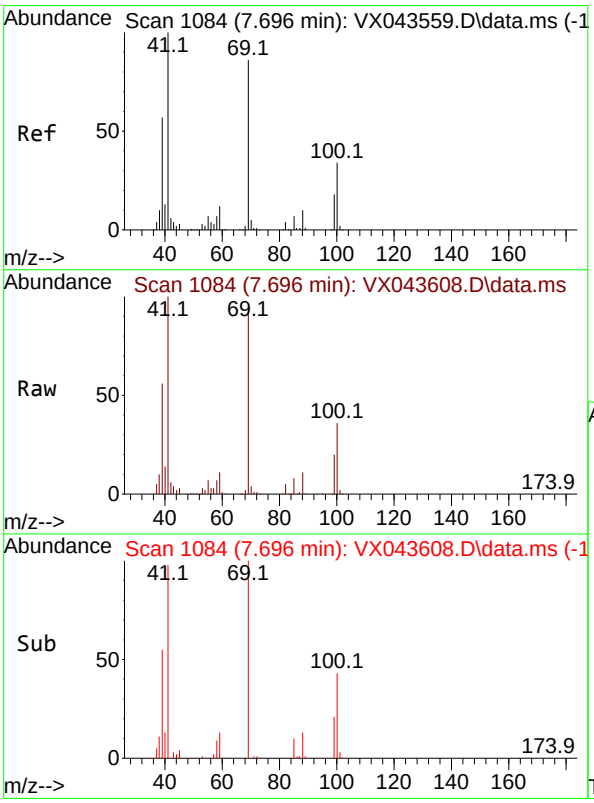
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4
127	9.2	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

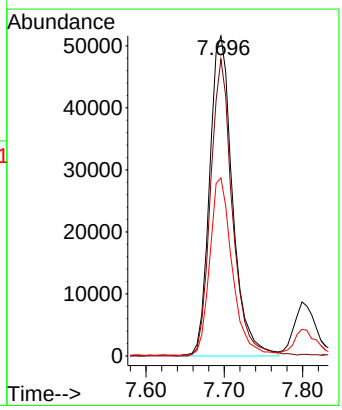
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

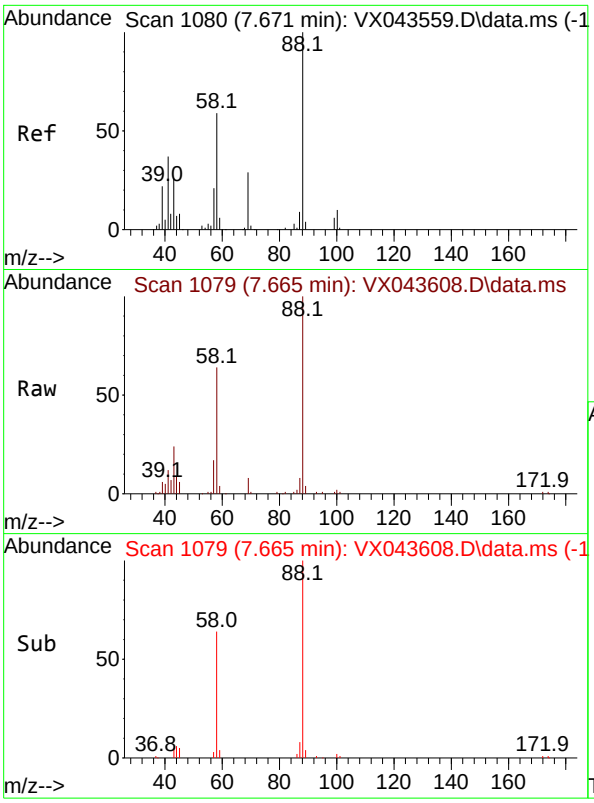


#48
Methyl methacrylate
Concen: 51.651 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 41 Resp: 104902

Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.7	101.5
39	54.0	46.3	69.5





#49
1,4-Dioxane
Concen: 1075.073 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

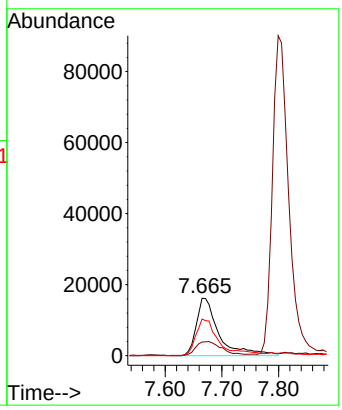
Tgt Ion: 88 Resp: 4485

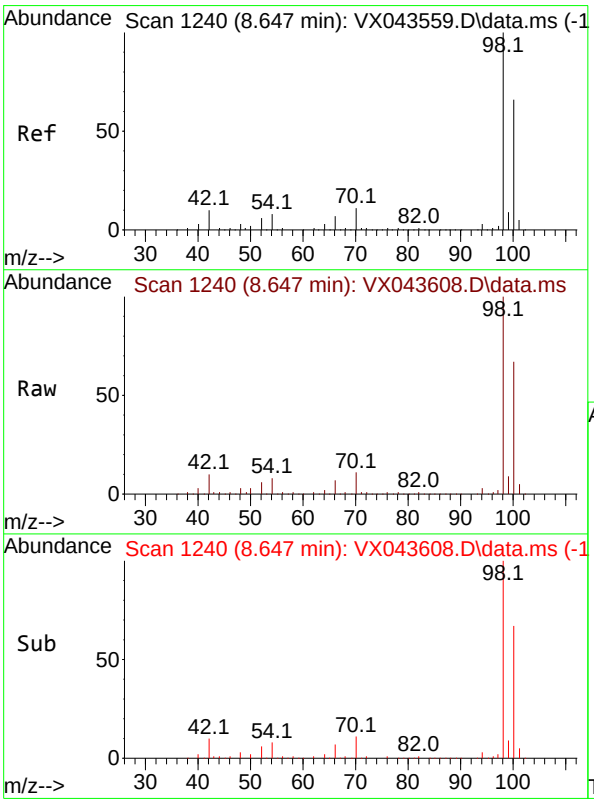
Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.3	37.9
58	64.7	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

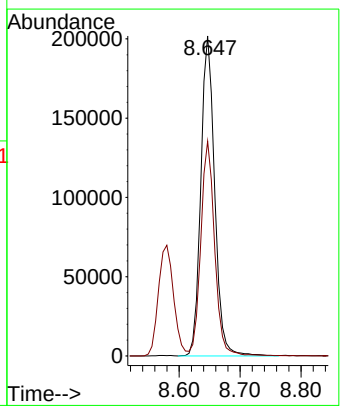


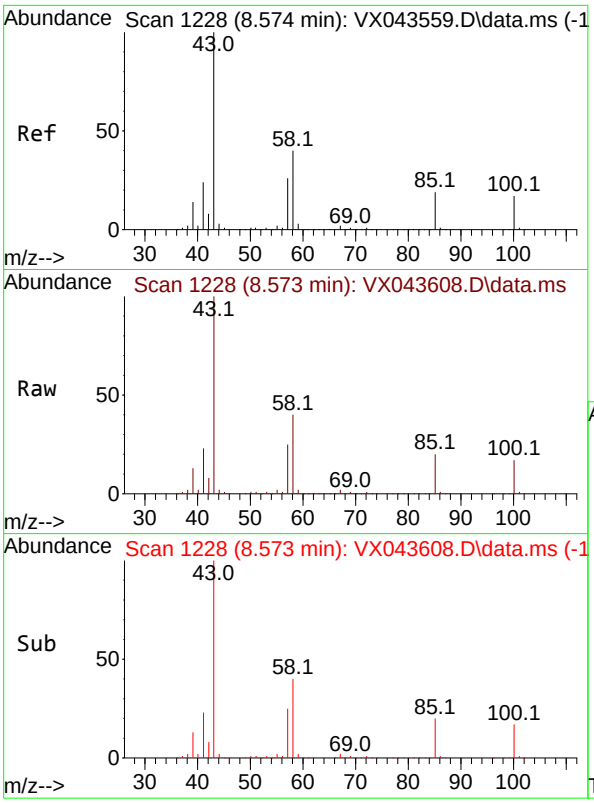


#50
Toluene-d8
Concen: 51.243 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 98 Resp: 319178

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2





#51
4-Methyl-2-Pentanone
Concen: 258.941 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

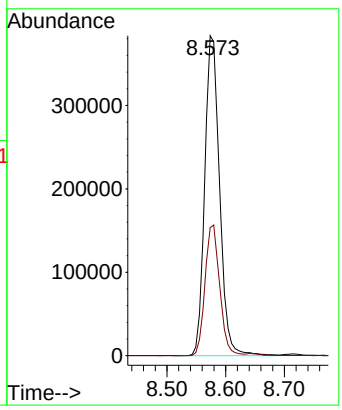
Tgt Ion: 43 Resp: 67607

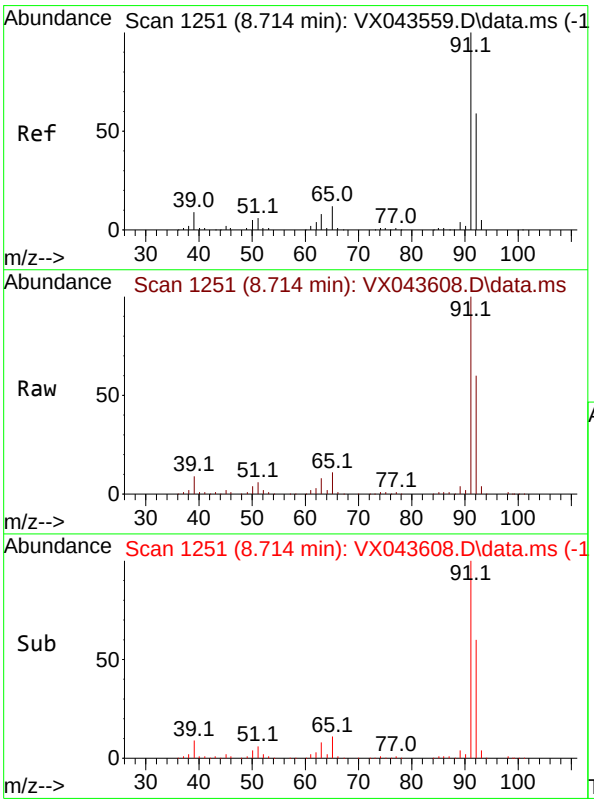
Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.7	47.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

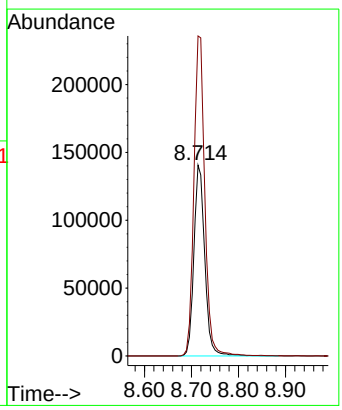


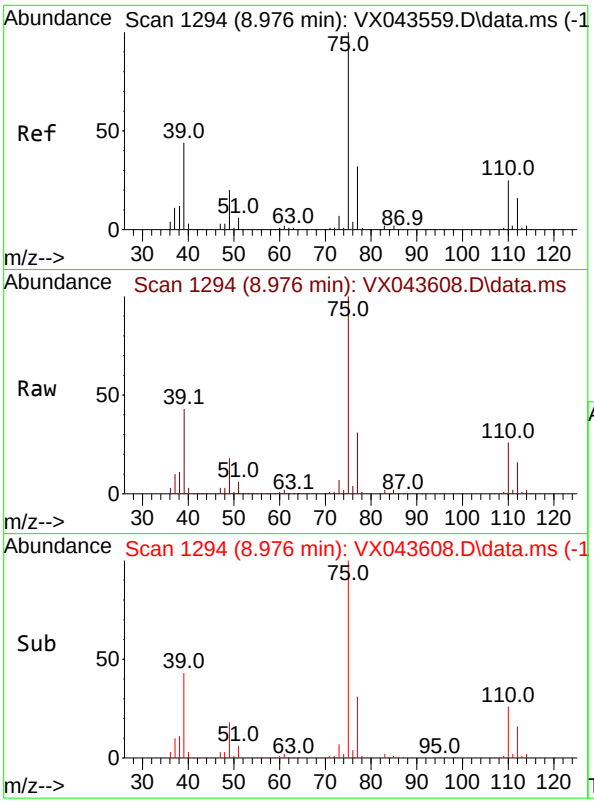


#52
Toluene
Concen: 52.560 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 92 Resp: 226884

Ion	Ratio	Lower	Upper
92	100		
91	168.6	135.7	203.5

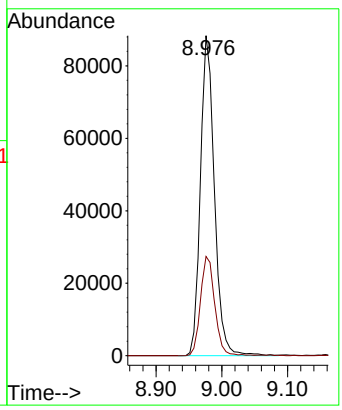




#53
t-1,3-Dichloropropene
Concen: 51.314 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 13047

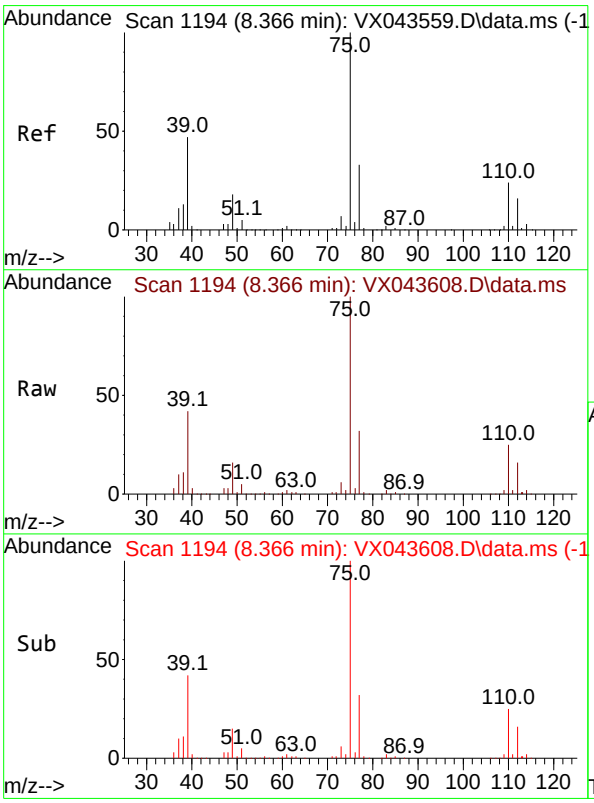
Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

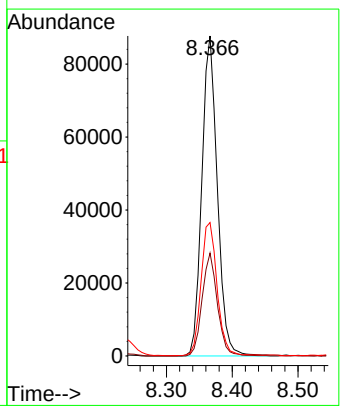
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

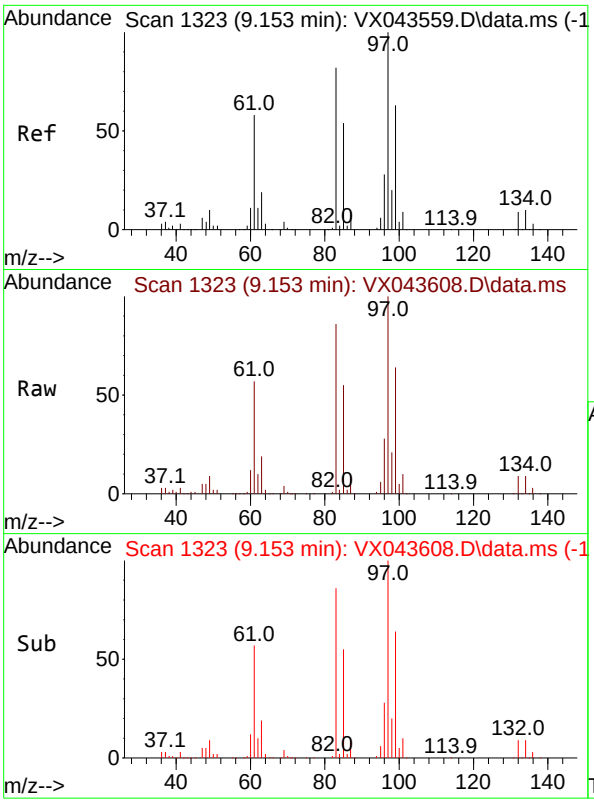


#54
cis-1,3-Dichloropropene
Concen: 53.094 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 143839

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	41.5	37.7	56.5

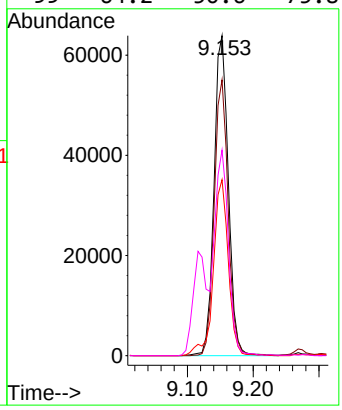




#55
1,1,2-Trichloroethane
Concen: 53.799 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 97 Resp: 9666

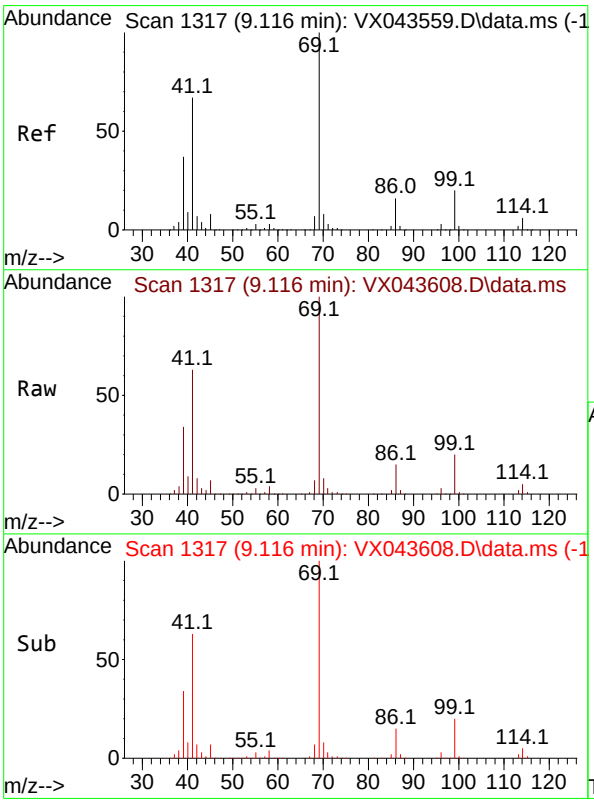
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.3	100.9
85	55.0	43.6	65.4
99	64.2	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

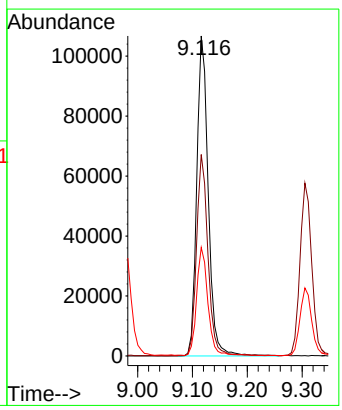
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

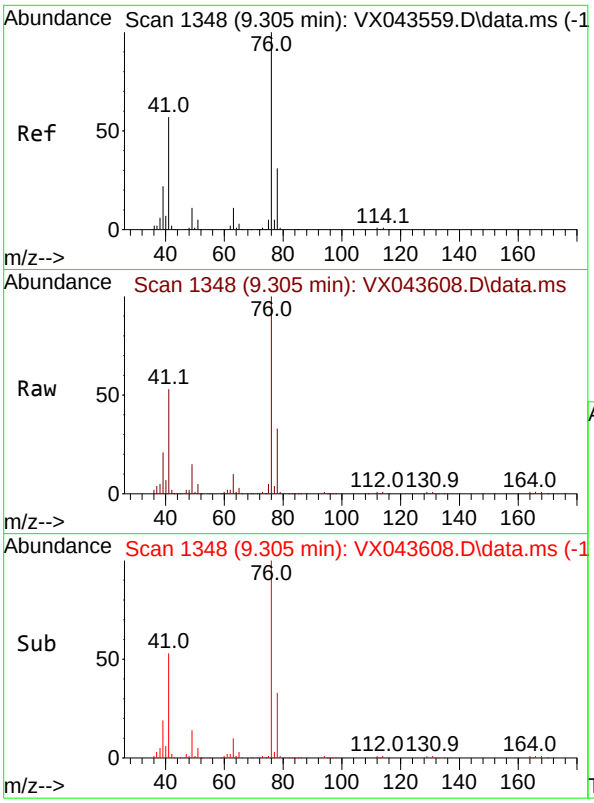


#56
Ethyl methacrylate
Concen: 53.432 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 69 Resp: 156001

Ion	Ratio	Lower	Upper
69	100		
41	62.5	53.8	80.8
39	33.3	29.9	44.9

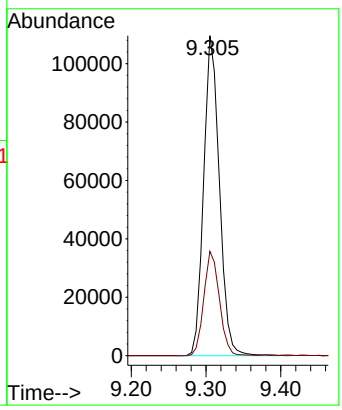




#57
1,3-Dichloropropane
Concen: 53.607 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 76 Resp: 16020

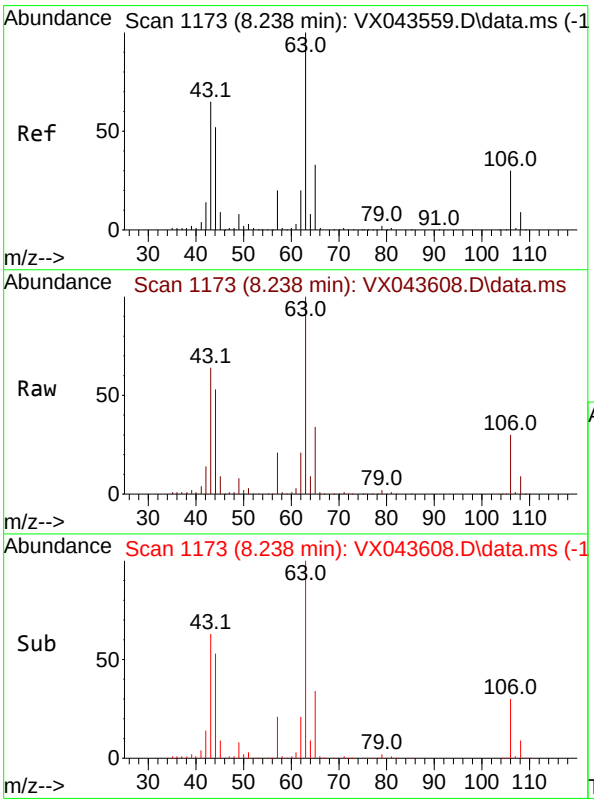
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

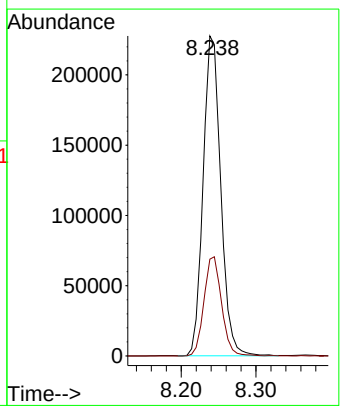
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

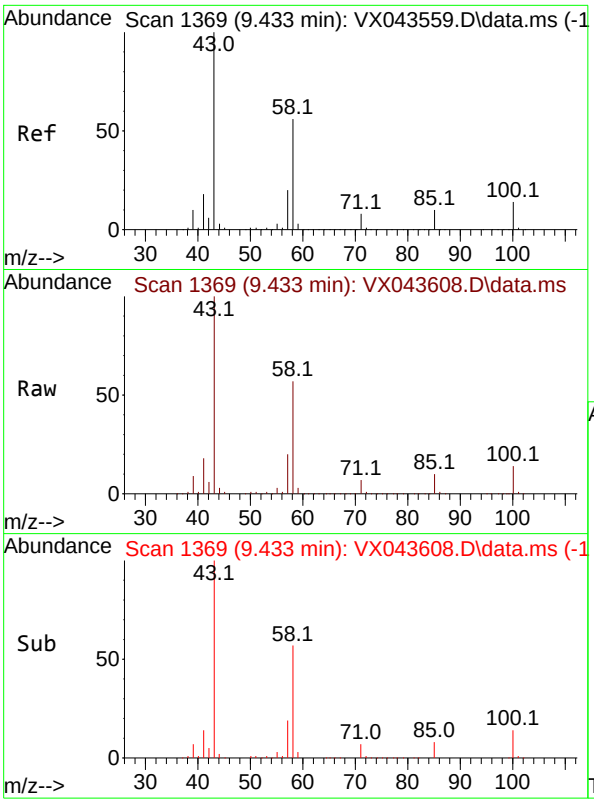


#58
2-Chloroethyl Vinyl ether
Concen: 263.875 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 63 Resp: 373123

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.6	35.4





#59
2-Hexanone
Concen: 254.496 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

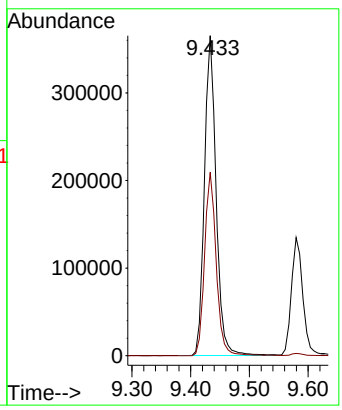
Tgt Ion: 43 Resp: 50466

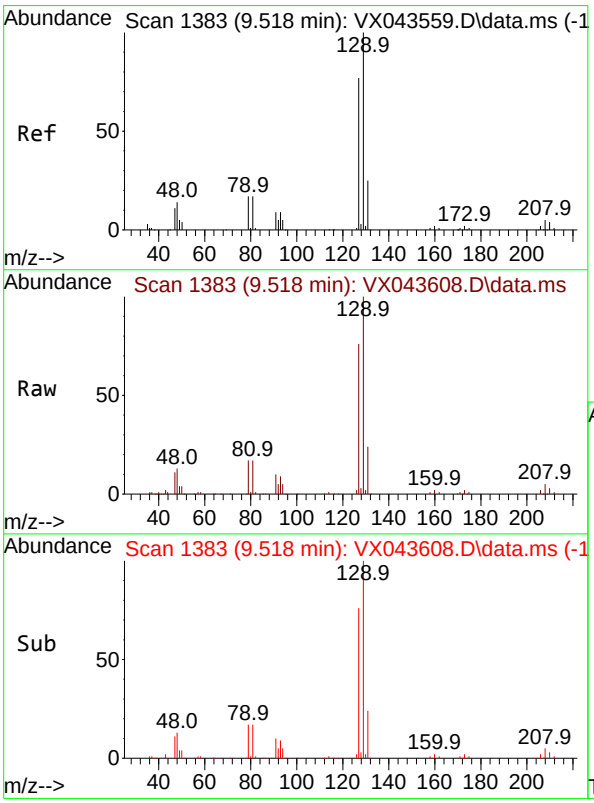
Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

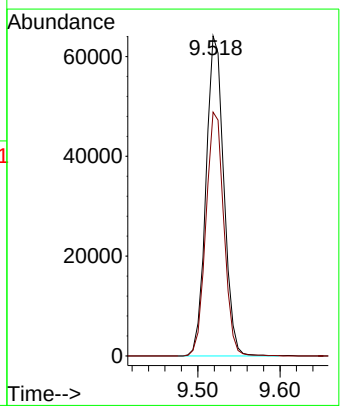


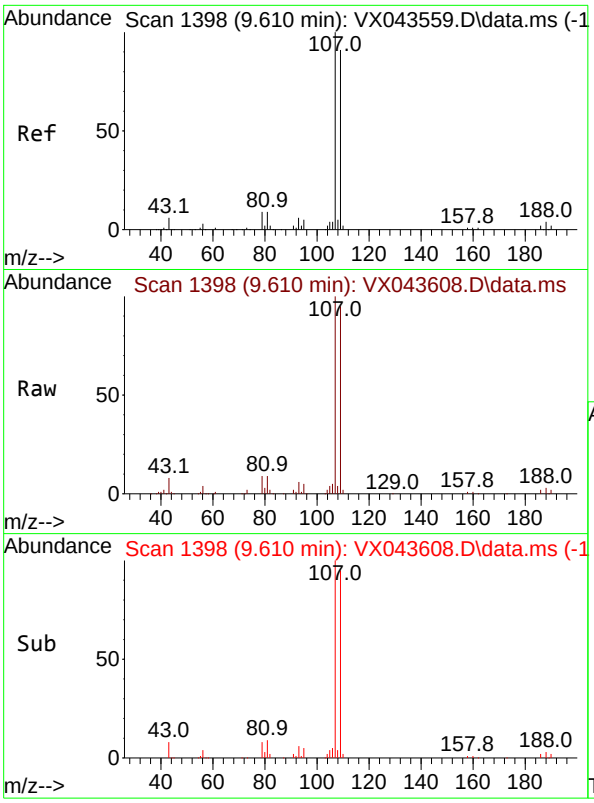


#60
Dibromochloromethane
Concen: 54.022 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:129 Resp: 96120

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.1





#61
1,2-Dibromoethane
Concen: 53.153 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

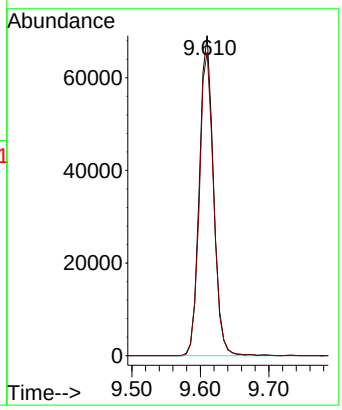
Tgt Ion:107 Resp: 9914

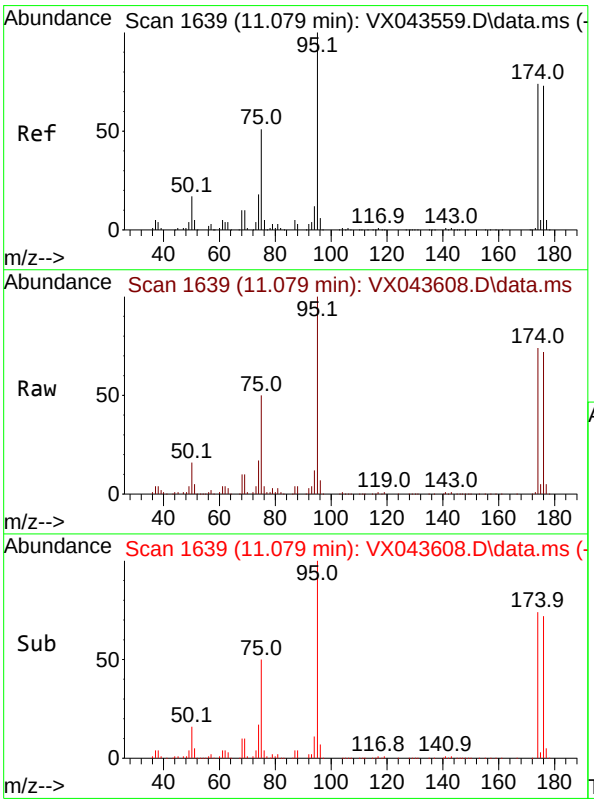
Ion	Ratio	Lower	Upper
107	100		
109	95.6	77.1	115.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

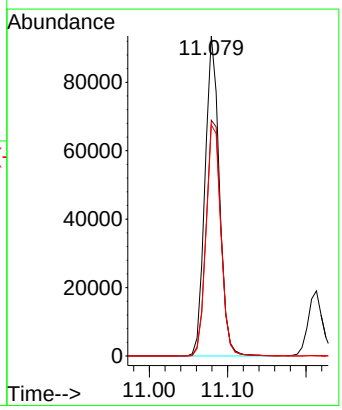


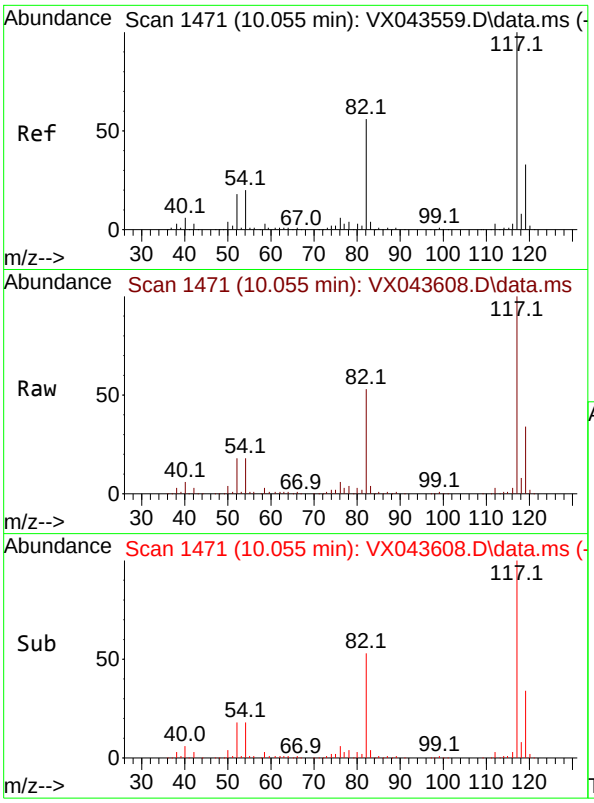


#62
4-Bromofluorobenzene
Concen: 51.413 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 95 Resp: 118664

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	146.6
176	74.4	0.0	139.6

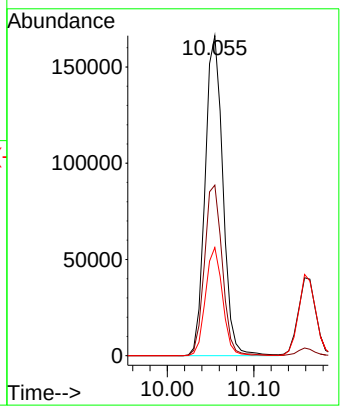




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:117 Resp: 23671

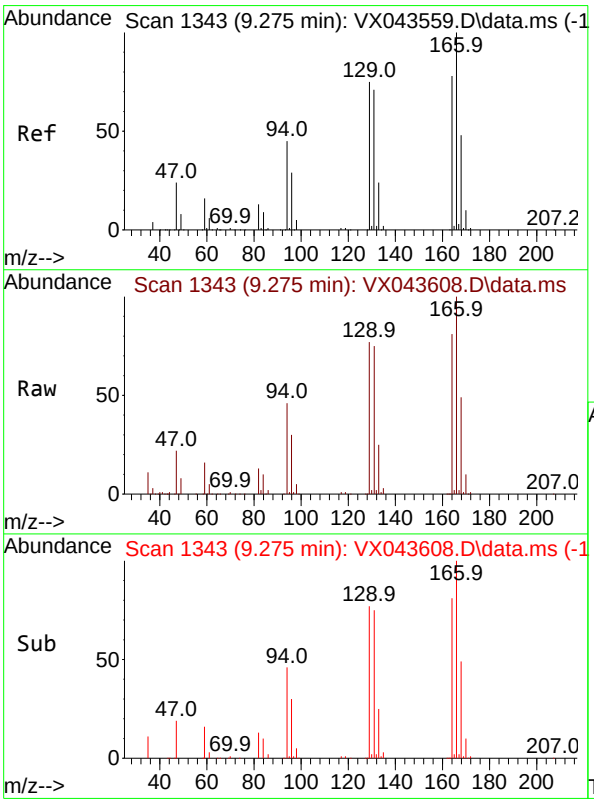
Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	33.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

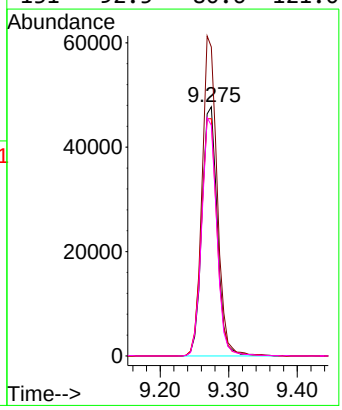
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

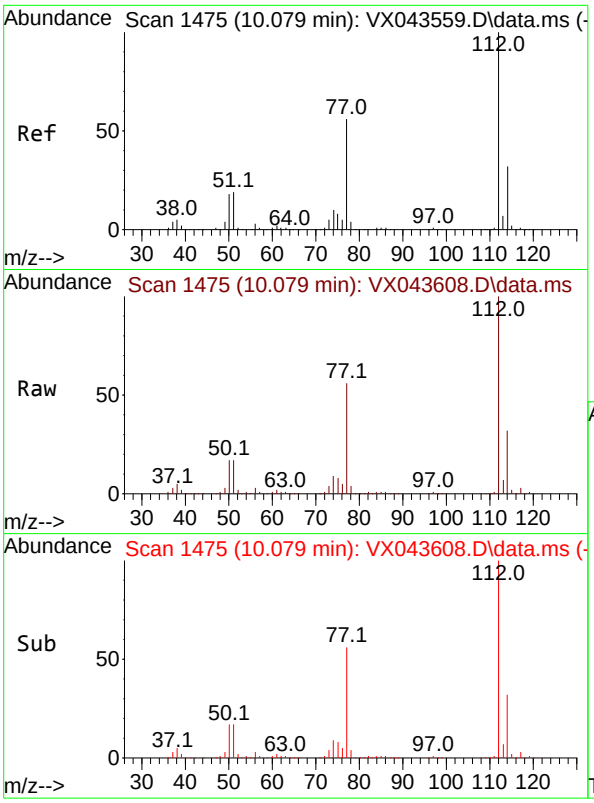


#64
Tetrachloroethene
Concen: 49.957 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:164 Resp: 74378

Ion	Ratio	Lower	Upper
164	100		
166	124.0	103.8	155.6
129	95.3	83.8	125.6
131	92.5	80.6	121.0





#65
Chlorobenzene
Concen: 50.588 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

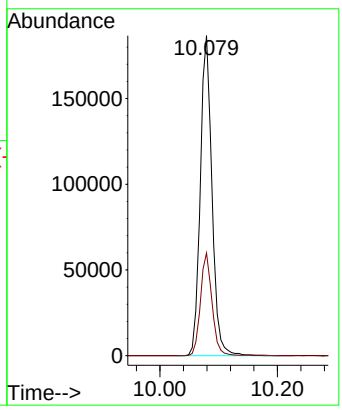
Tgt Ion:112 Resp: 25763

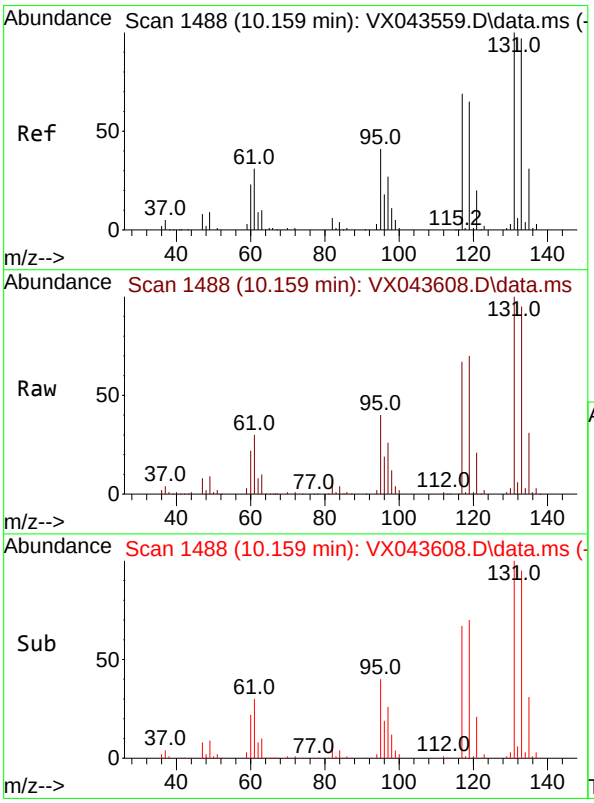
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

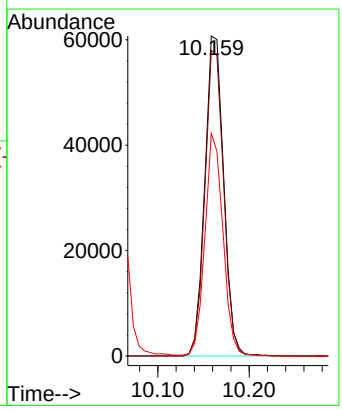


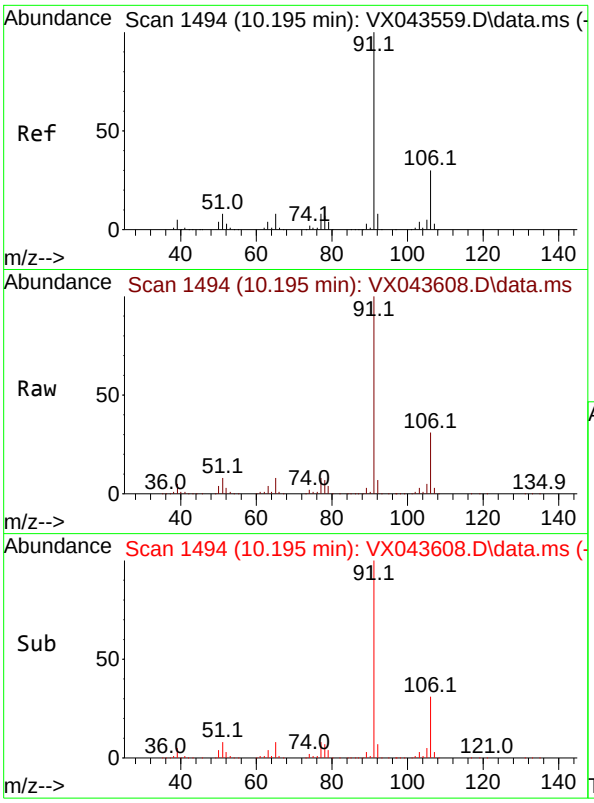


#66
1,1,1,2-Tetrachloroethane
Concen: 52.231 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:131 Resp: 86886

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.0
119	66.7	32.3	96.9

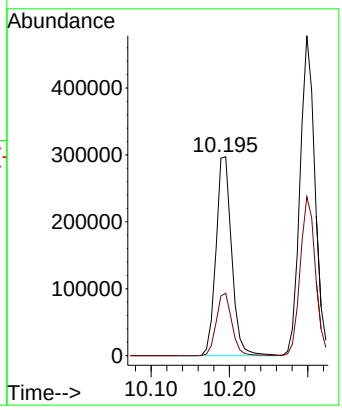




#67
Ethyl Benzene
Concen: 49.943 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 91 Resp: 41475

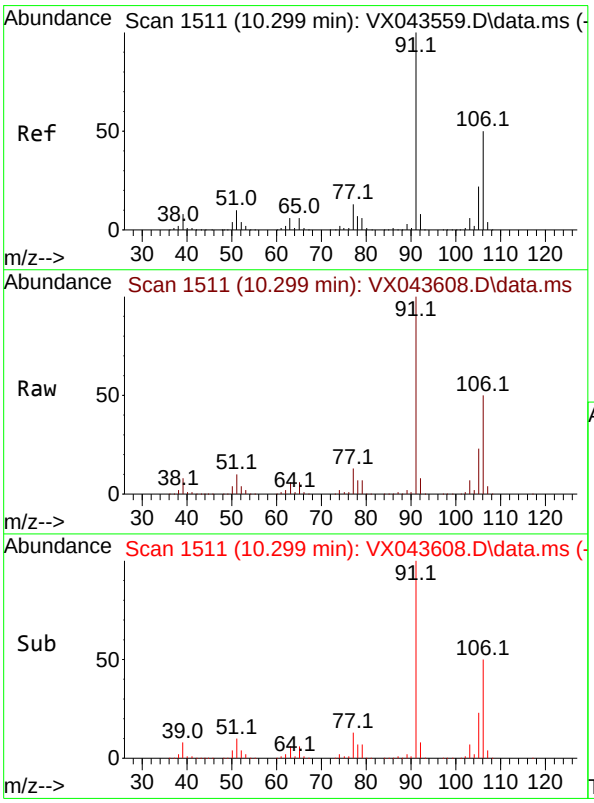
Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

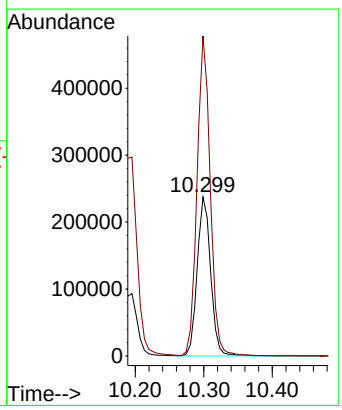
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

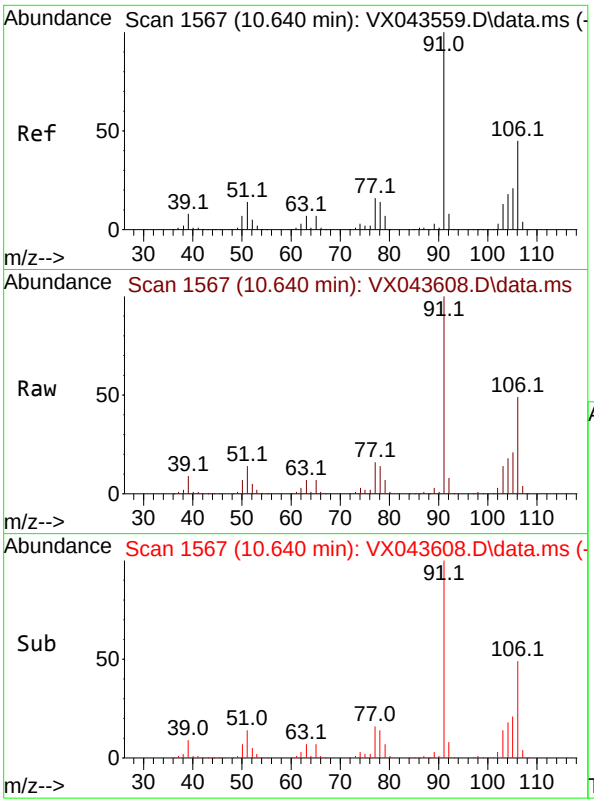


#68
m/p-Xylenes
Concen: 101.972 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:106 Resp: 323840

Ion	Ratio	Lower	Upper
106	100		
91	197.9	164.7	247.1





#69
o-Xylene
Concen: 51.602 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

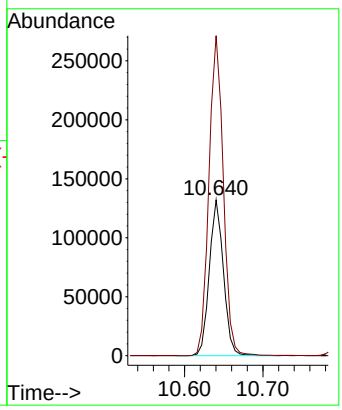
Tgt Ion:106 Resp: 16465

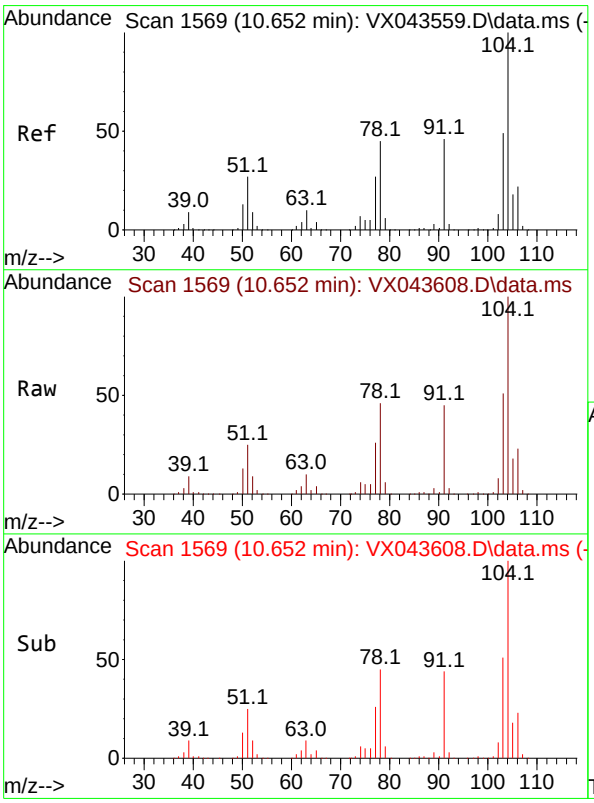
Ion	Ratio	Lower	Upper
106	100		
91	209.7	107.9	323.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

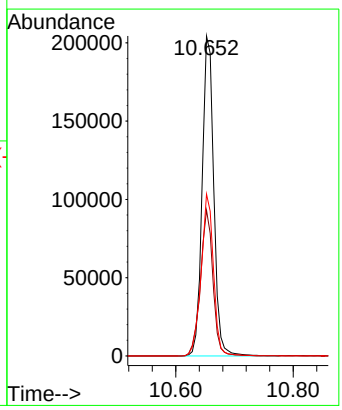


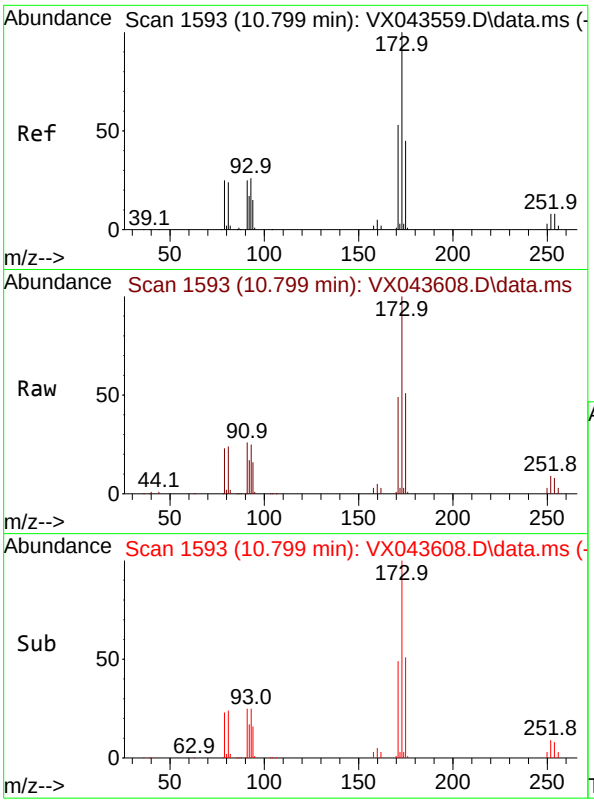


#70
Styrene
Concen: 53.092 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:104 Resp: 281569

Ion	Ratio	Lower	Upper
104	100		
78	48.8	40.0	60.0
103	53.9	43.4	65.0

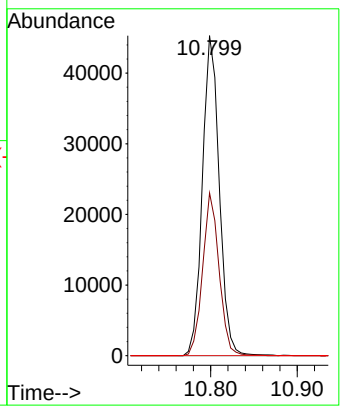




#71
Bromoform
Concen: 51.301 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:173 Resp: 6135

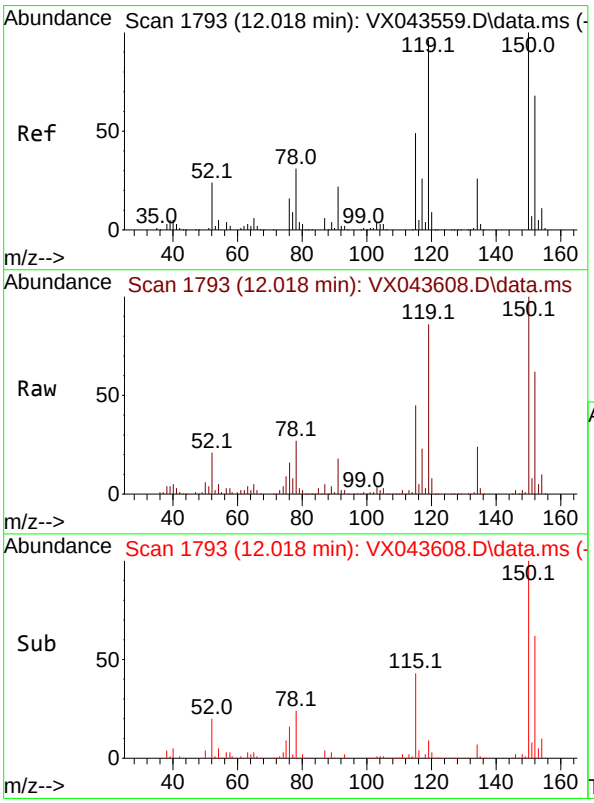
Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

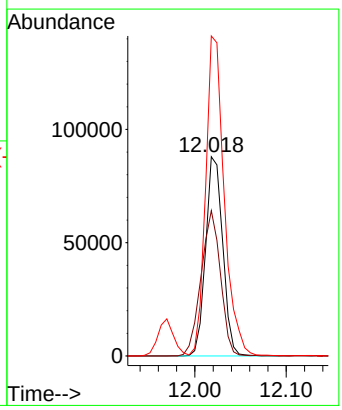
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

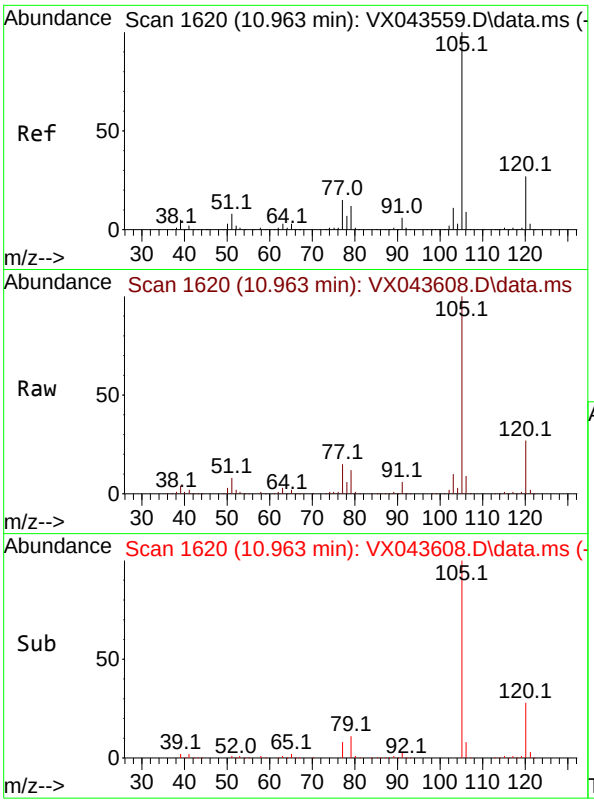


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:152 Resp: 114048

Ion	Ratio	Lower	Upper
152	100		
115	82.8	42.9	128.7
150	173.9	0.0	343.6





#73
Isopropylbenzene
Concen: 49.457 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

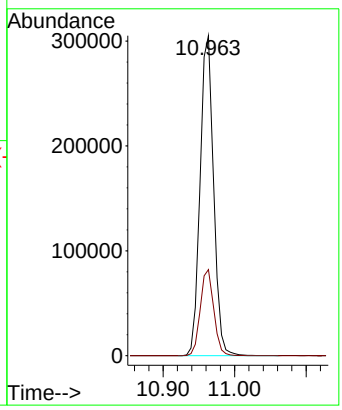
Tgt Ion:105 Resp: 39955

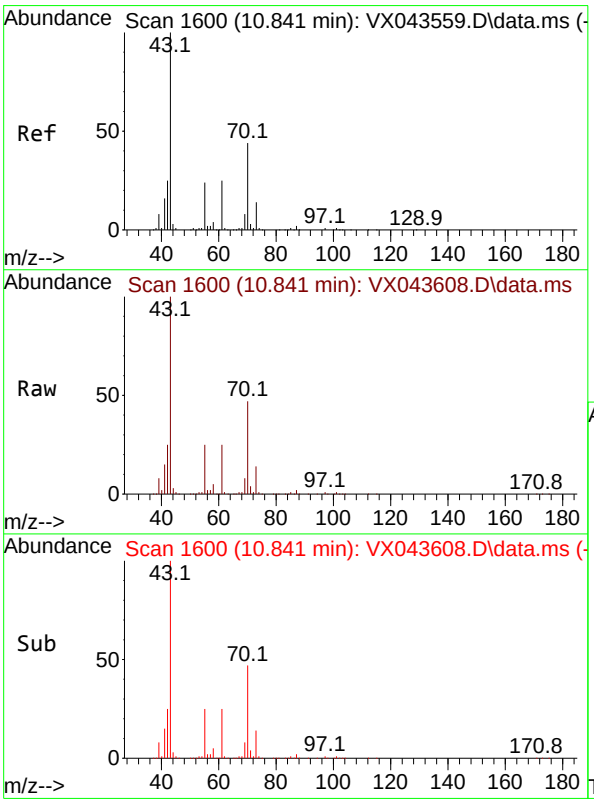
Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

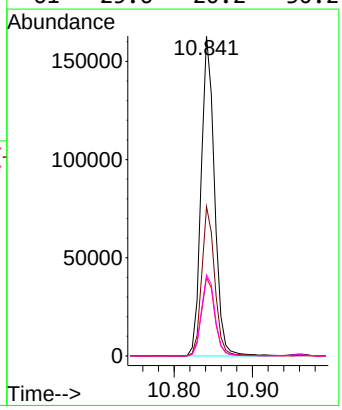


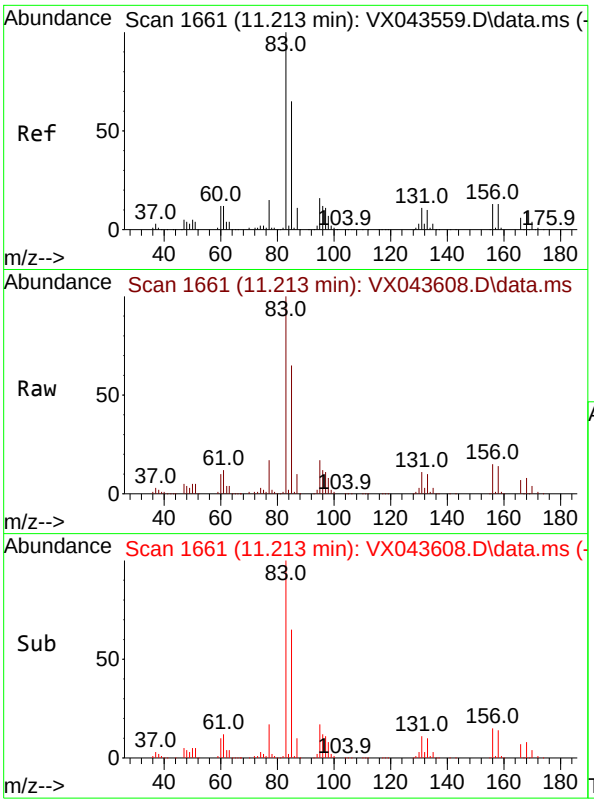


#74
N-amyl acetate
Concen: 49.043 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 193011

Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.6	52.0
55	24.8	19.6	29.4
61	25.6	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 50.090 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

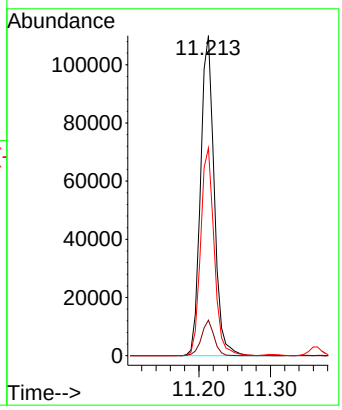
Tgt Ion: 83 Resp: 14551

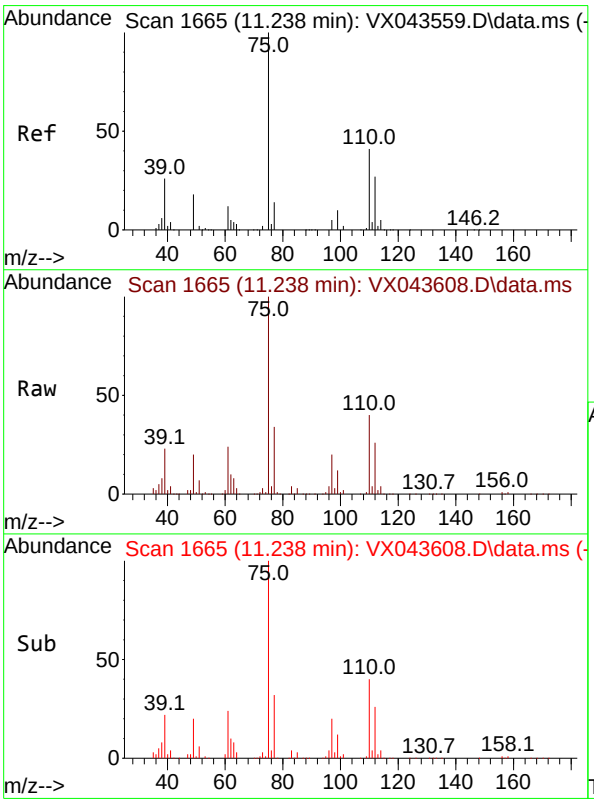
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.5	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

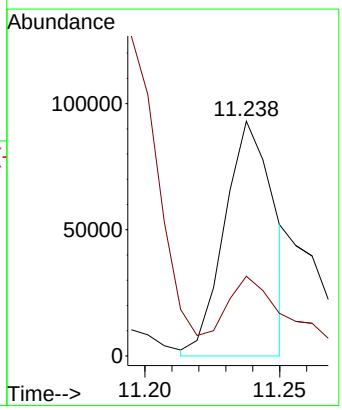


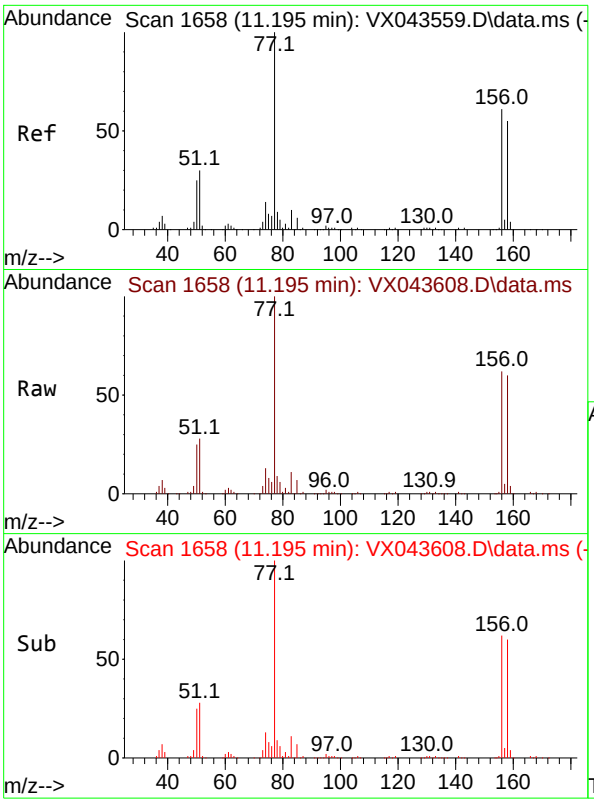


#76
1,2,3-Trichloropropane
Concen: 48.280 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 117730

Ion	Ratio	Lower	Upper
75	100		
77	44.7	22.4	67.2





#77
Bromobenzene
Concen: 51.757 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

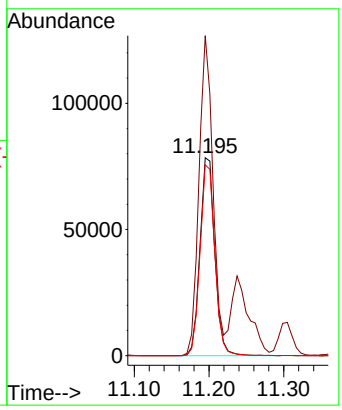
Tgt Ion:156 Resp: 10796

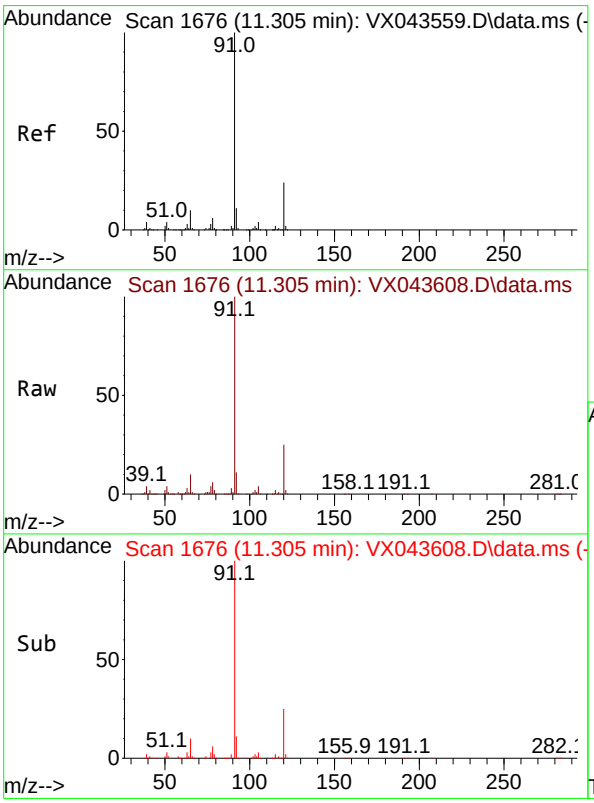
Ion	Ratio	Lower	Upper
156	100		
77	152.0	79.7	239.1
158	96.0	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

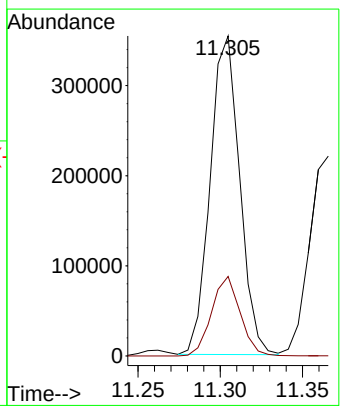


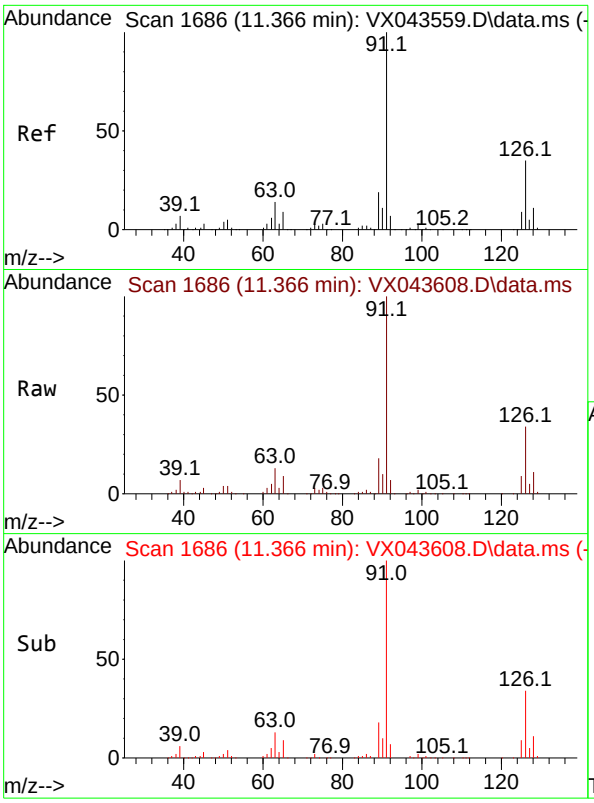


#78
n-propylbenzene
Concen: 50.049 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 91 Resp: 440854

Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.6	34.7





#79
2-Chlorotoluene
Concen: 49.168 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

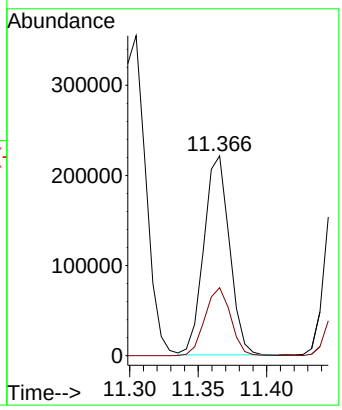
Tgt Ion: 91 Resp: 28718

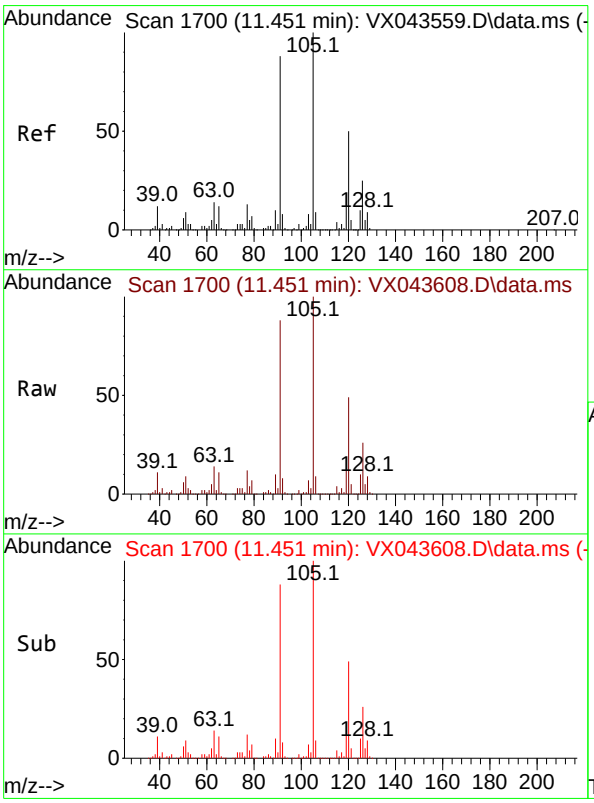
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

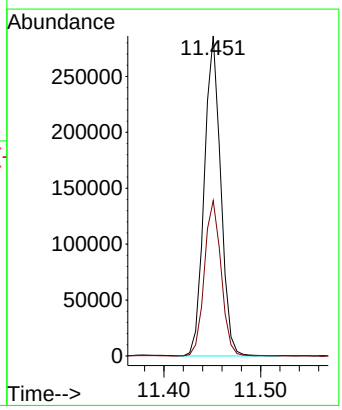


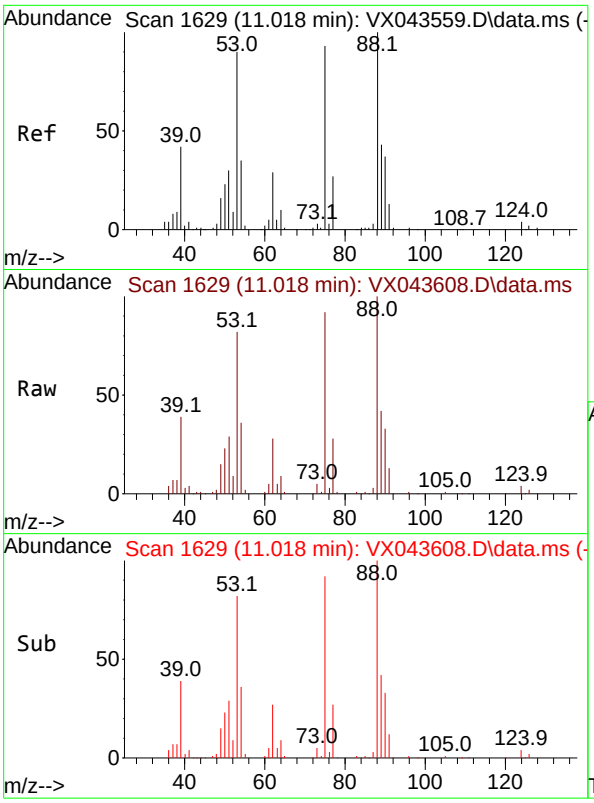


#80
1,3,5-Trimethylbenzene
Concen: 50.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:105 Resp: 338143

Ion	Ratio	Lower	Upper
105	100		
120	49.6	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.002 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

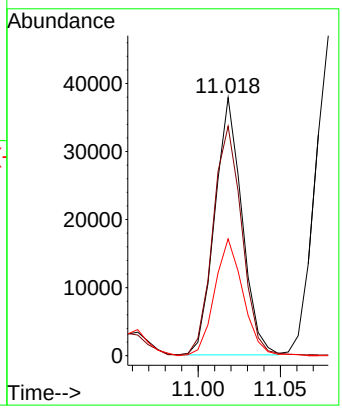
Tgt Ion: 75 Resp: 4343

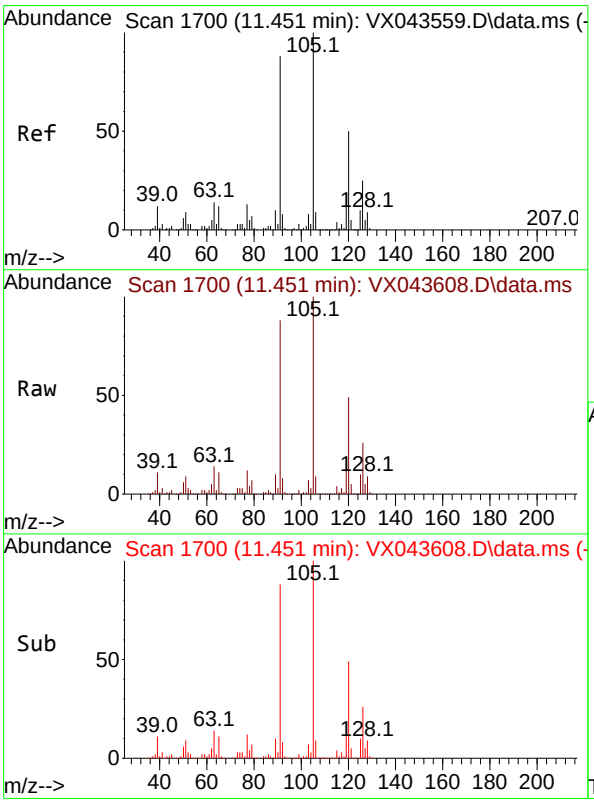
Ion	Ratio	Lower	Upper
75	100		
53	94.9	84.6	126.8
89	47.6	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

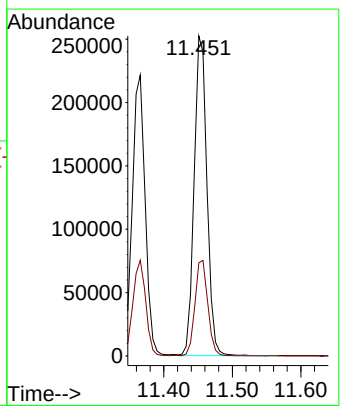


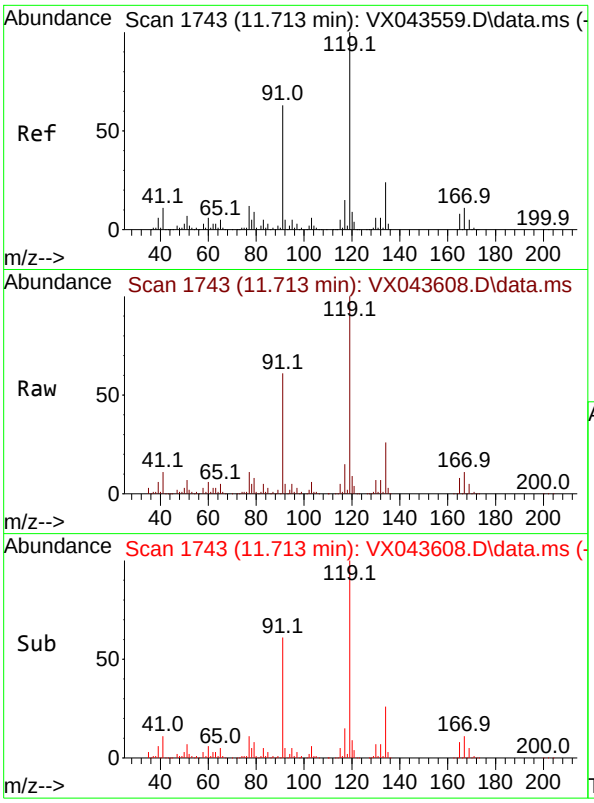


#82
4-Chlorotoluene
Concen: 49.980 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 91 Resp: 327663

Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.2	42.8

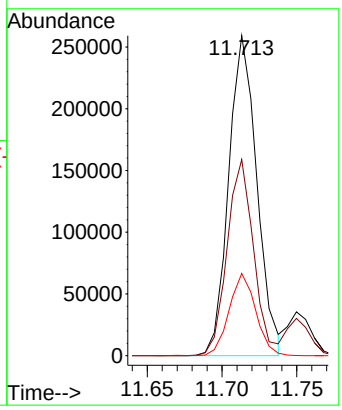




#83
tert-Butylbenzene
Concen: 49.604 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:119 Resp: 33981

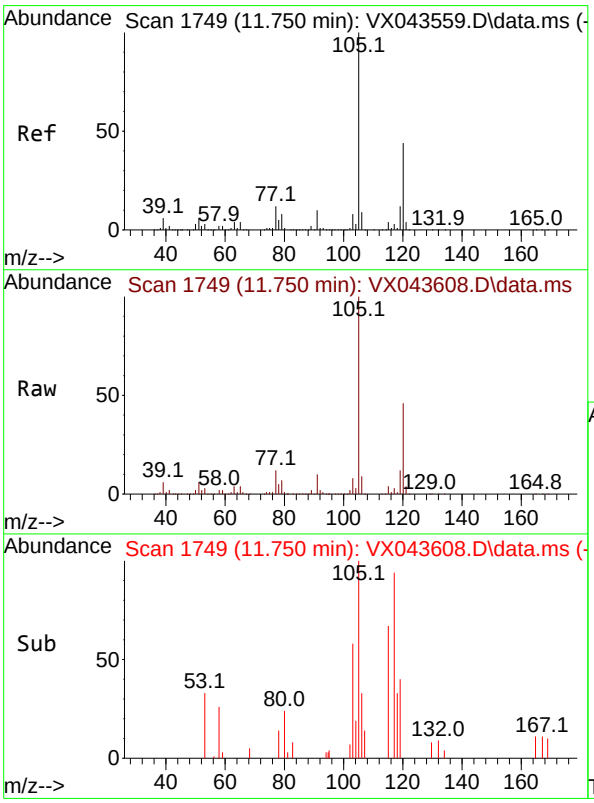
Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.5	88.5
134	24.3	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

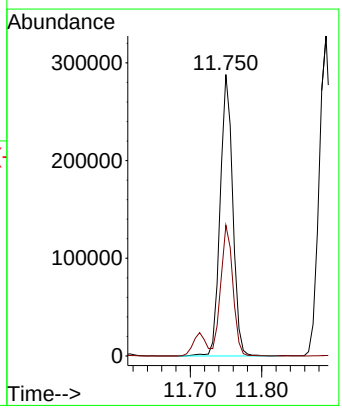
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

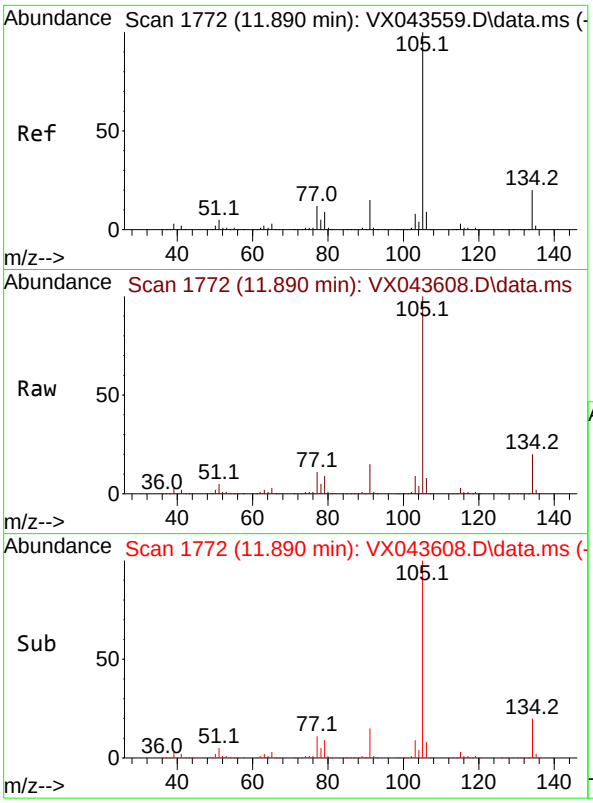


#84
1,2,4-Trimethylbenzene
Concen: 51.260 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:105 Resp: 351886

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.1





#85
sec-Butylbenzene
Concen: 50.641 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

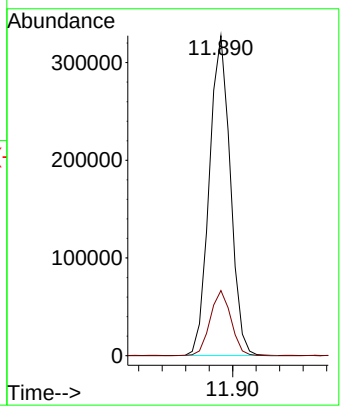
Tgt Ion:105 Resp: 40663

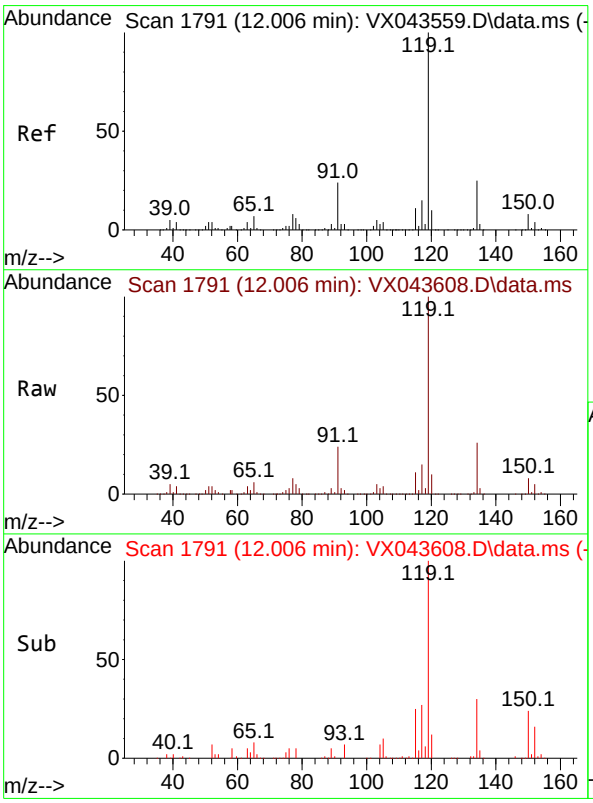
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

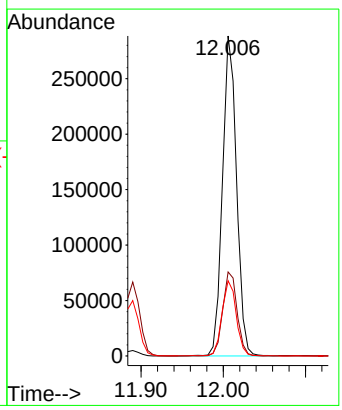


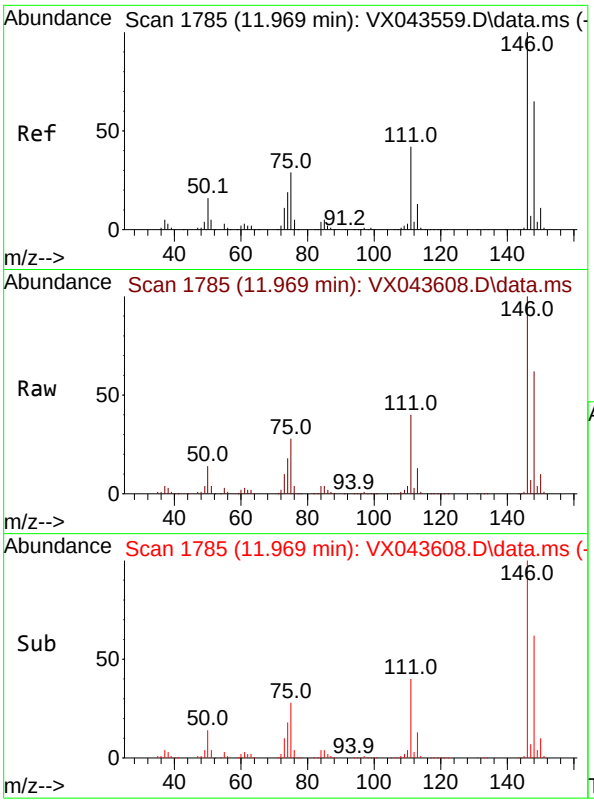


#86
p-Isopropyltoluene
Concen: 50.299 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:119 Resp: 343316

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.1
91	23.9	12.4	37.0

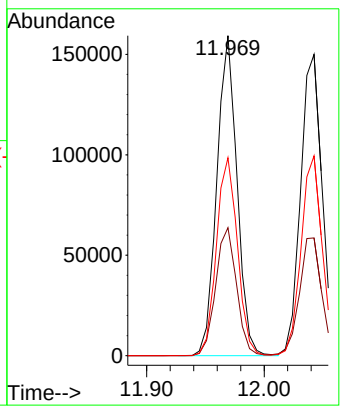




#87
1,3-Dichlorobenzene
Concen: 51.035 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:146 Resp: 19082

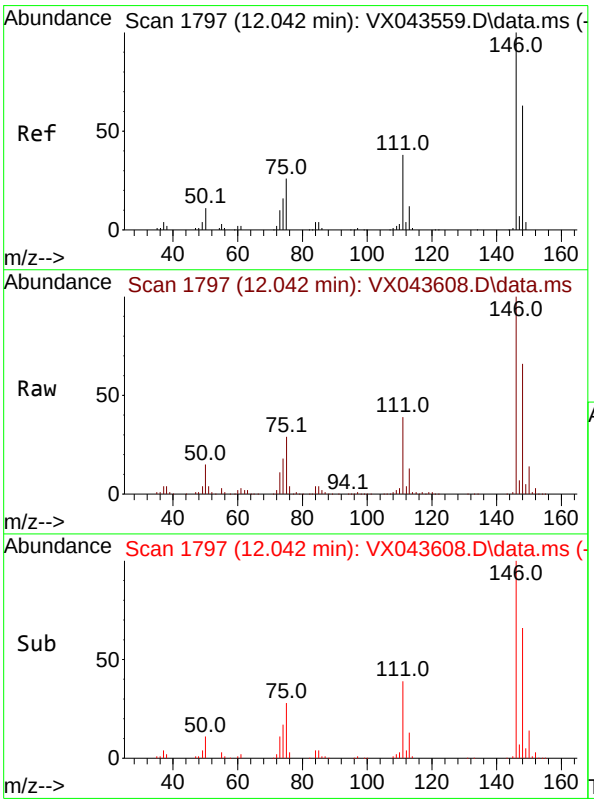
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

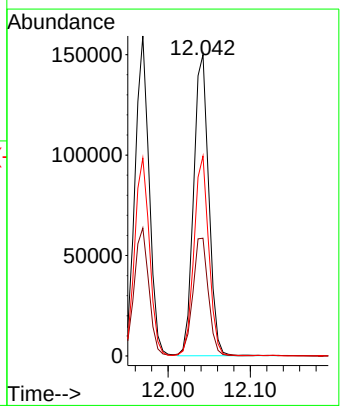
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

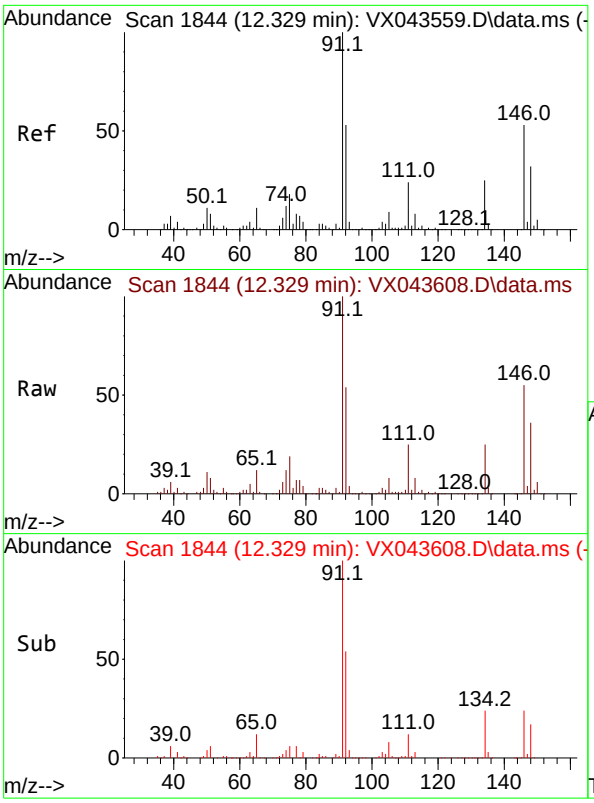


#88
1,4-Dichlorobenzene
Concen: 49.502 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:146 Resp: 191784

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.9	31.9	95.9





#89
n-Butylbenzene
Concen: 51.345 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

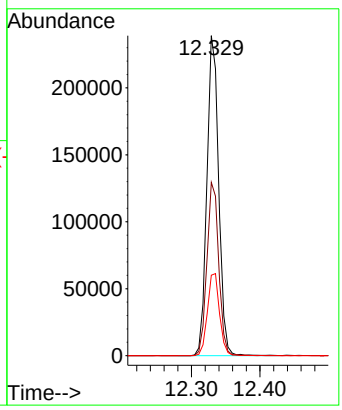
Tgt Ion: 91 Resp: 28556

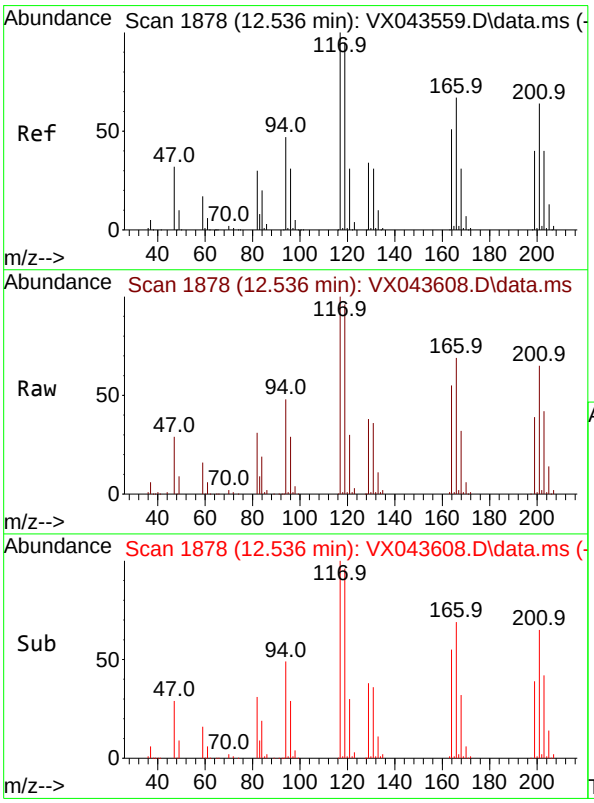
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	26.5	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

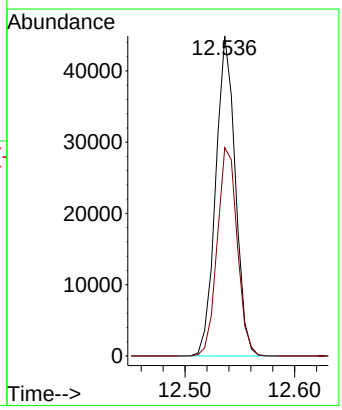


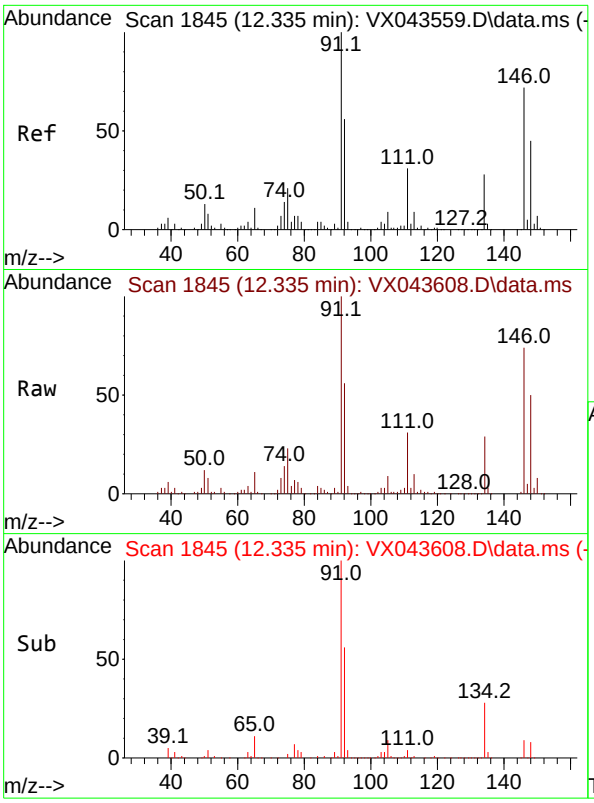


#90
Hexachloroethane
Concen: 50.348 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:117 Resp: 55820

Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.9	98.7





#91
1,2-Dichlorobenzene
Concen: 51.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

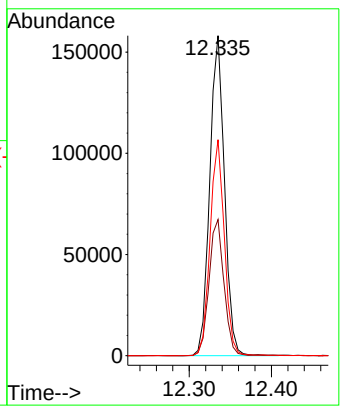
Tgt Ion:146 Resp: 19668

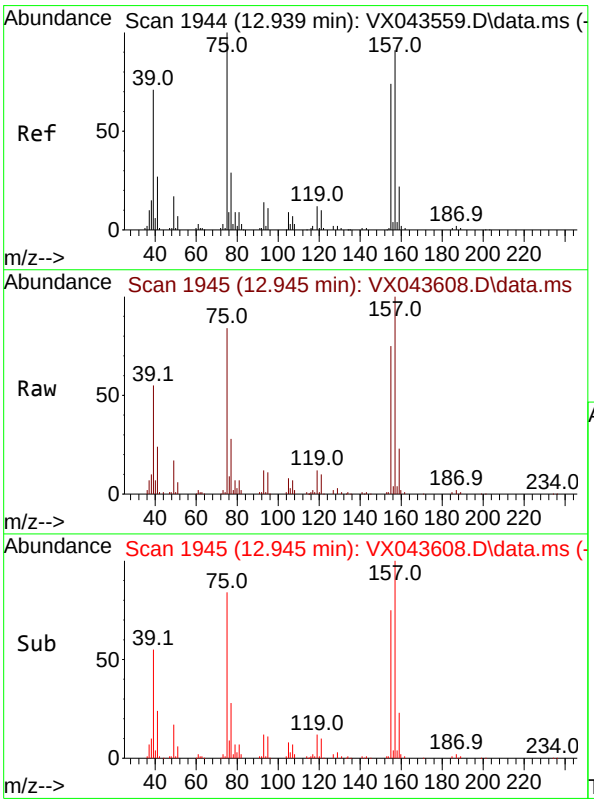
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	65.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

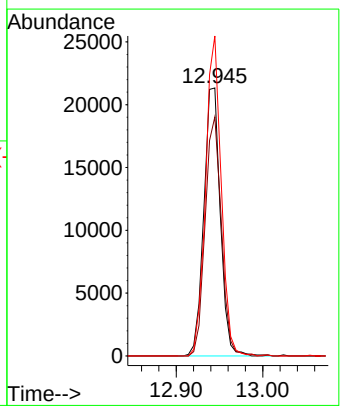


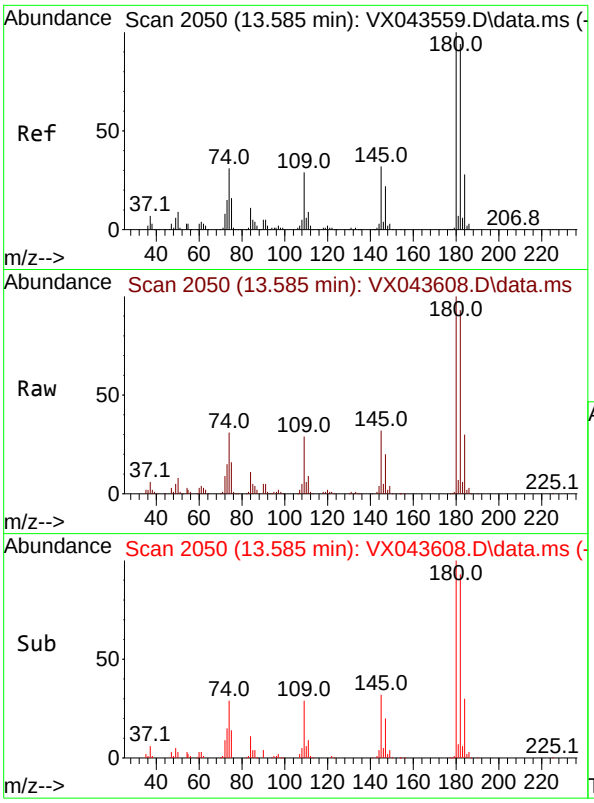


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.806 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 28312

Ion	Ratio	Lower	Upper
75	100		
155	87.4	40.1	120.3
157	112.7	50.8	152.4

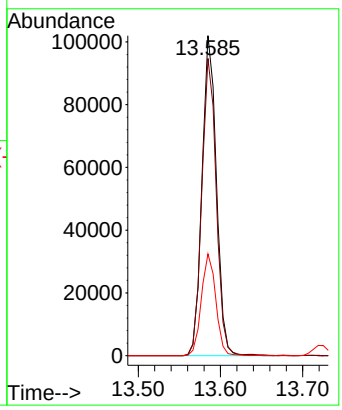




#93
1,2,4-Trichlorobenzene
Concen: 53.456 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:180 Resp: 12405

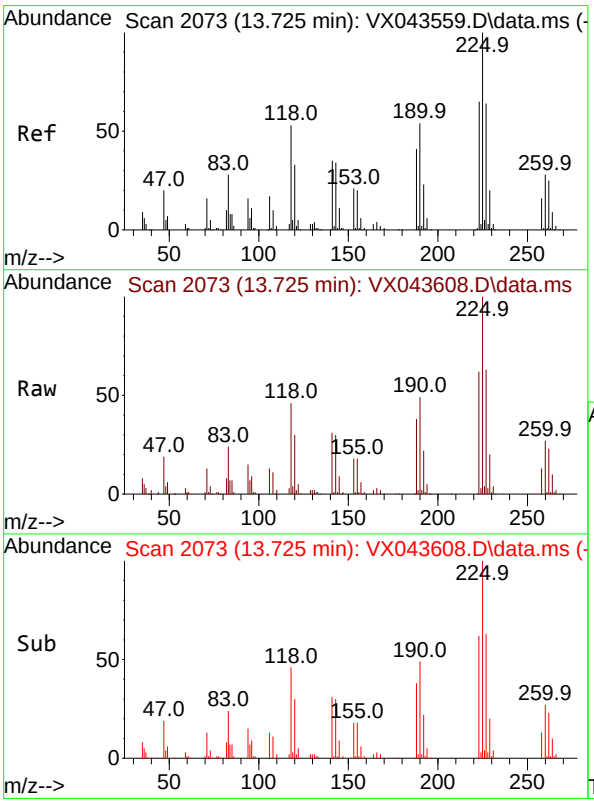
Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.8	140.4
145	31.9	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

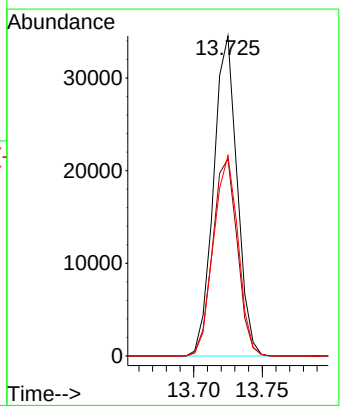
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

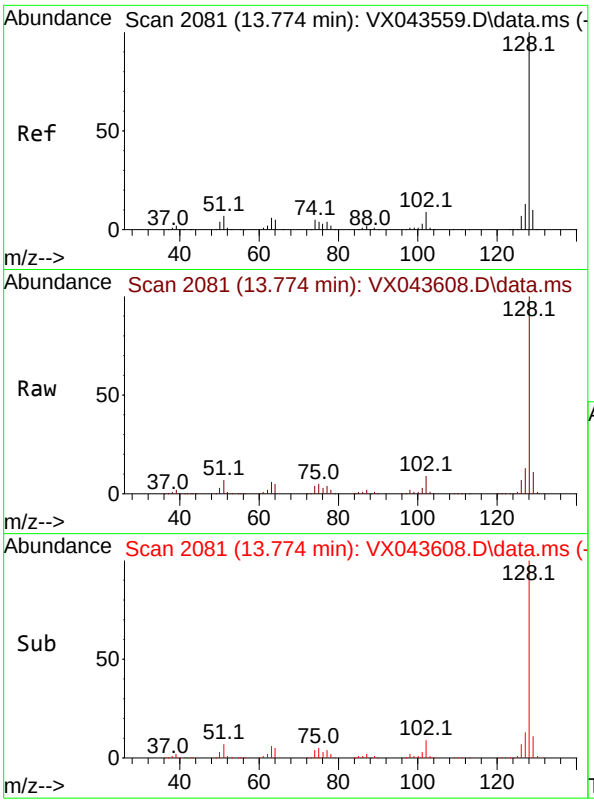


#94
Hexachlorobutadiene
Concen: 48.231 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:225 Resp: 41269

Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.8	92.4
227	65.2	31.6	94.8

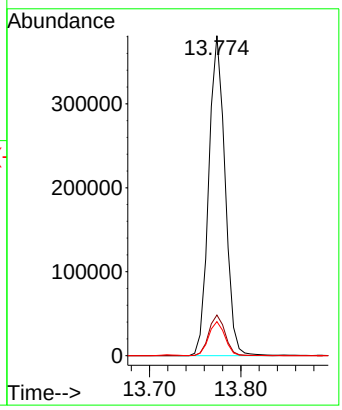




#95
Naphthalene
Concen: 53.003 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:128 Resp: 47070

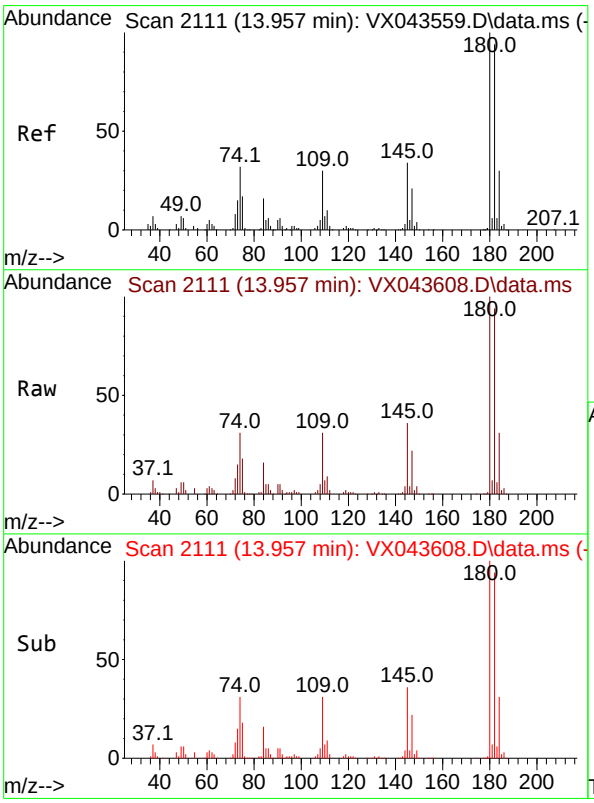
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

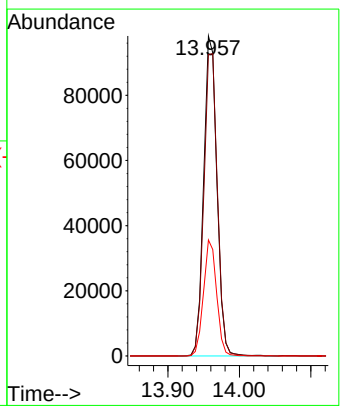
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.757 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:180 Resp: 126642

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.1	141.3
145	35.8	17.4	52.3



Evaluate Continuing Calibration Report

Sample Results: **VX043608.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.535	0.487	9.0	94	0.00
3	P	Chloromethane	0.684	0.630	7.9	94	0.00
4	C	Vinyl Chloride	0.634	0.622	1.9#	96	0.00
5	T	Bromomethane	0.259	0.257	0.8	96	0.00
6	T	Chloroethane	0.223	0.220	1.3	95	0.00
7	T	Trichlorofluoromethane	0.775	0.787	-1.5	99	0.01
8	T	Diethyl Ether	0.358	0.379	-5.9	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.521	0.6	97	0.00
10	T	Methyl Iodide	0.757	0.781	-3.2	97	0.00
11	T	Tert butyl alcohol	0.149	0.157	-5.4	98	-0.04
12	CM	1,1-Dichloroethene	0.536	0.539	-0.6#	98	0.00
13	T	Acrolein	0.116	0.115	0.9	103	0.00
14	T	Allyl chloride	0.926	0.917	1.0	94	0.00
15	T	Acrylonitrile	0.336	0.353	-5.1	99	0.00
16	T	Acetone	0.317	0.294	7.3	92	0.00
17	T	Carbon Disulfide	1.120	1.013	9.6	87	0.00
18	T	Methyl Acetate	0.925	0.905	2.2	95	0.00
19	T	Methyl tert-butyl Ether	2.037	2.113	-3.7	99	0.00
20	T	Methylene Chloride	0.682	0.675	1.0	99	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.578	-2.1	100	0.00
22	T	Diisopropyl ether	1.915	1.951	-1.9	98	0.00
23	T	Vinyl Acetate	1.582	1.677	-6.0	97	0.00
24	P	1,1-Dichloroethane	1.101	1.100	0.1	97	0.00
25	T	2-Butanone	0.462	0.462	0.0	93	0.00
26	T	2,2-Dichloropropane	0.901	0.791	12.2	87	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.766	-5.9	101	0.00
28	T	Bromochloromethane	0.524	0.520	0.8	100	0.00
29	T	Tetrahydrofuran	0.300	0.301	-0.3	95	0.00
30	C	Chloroform	1.154	1.146	0.7#	96	0.00
31	T	Cyclohexane	0.842	0.834	1.0	97	0.00
32	T	1,1,1-Trichloroethane	0.969	0.953	1.7	94	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.760	4.6	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.339	0.345	-1.8	101	0.00
36	T	1,1-Dichloropropene	0.402	0.389	3.2	98	0.00
37	T	Ethyl Acetate	0.488	0.496	-1.6	96	0.00
38	T	Carbon Tetrachloride	0.444	0.421	5.2	93	0.00
39	T	Methylcyclohexane	0.499	0.498	0.2	96	0.00
40	TM	Benzene	1.341	1.365	-1.8	99	0.00
41	T	Methacrylonitrile	0.256	0.271	-5.9	98	0.00
42	TM	1,2-Dichloroethane	0.482	0.481	0.2	95	0.00
43	T	Isopropyl Acetate	0.807	0.813	-0.7	95	0.00
44	TM	Trichloroethene	0.333	0.333	0.0	97	0.00
45	C	1,2-Dichloropropane	0.330	0.345	-4.5#	100	0.00
46	T	Dibromomethane	0.254	0.262	-3.1	99	0.00
47	T	Bromodichloromethane	0.446	0.461	-3.4	95	0.00
48	T	Methyl methacrylate	0.383	0.395	-3.1	96	0.00

Sample Results: **VX043608.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	101	0.00
50	S	Toluene-d8	1.174	1.203	-2.5	100	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.510	-3.7	95	0.00
52	CM	Toluene	0.813	0.855	-5.2#	100	0.00
53	T	t-1,3-Dichloropropene	0.479	0.492	-2.7	95	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.542	-6.3	98	0.00
55	T	1,1,2-Trichloroethane	0.339	0.364	-7.4	100	0.00
56	T	Ethyl methacrylate	0.550	0.588	-6.9	98	0.00
57	T	1,3-Dichloropropane	0.563	0.604	-7.3	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.281	-5.6	103	0.00
59	T	2-Hexanone	0.374	0.380	-1.6	93	0.00
60	T	Dibromochloromethane	0.335	0.362	-8.1	97	0.00
61	T	1,2-Dibromoethane	0.351	0.374	-6.6	100	0.00
62	S	4-Bromofluorobenzene	0.435	0.447	-2.8	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.314	0.314	0.0	101	0.00
65	PM	Chlorobenzene	1.076	1.088	-1.1	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.367	-4.6	98	0.00
67	C	Ethyl Benzene	1.754	1.752	0.1#	98	0.00
68	T	m/p-Xylenes	0.671	0.684	-1.9	98	0.00
69	T	o-Xylene	0.674	0.696	-3.3	100	0.00
70	T	Styrene	1.120	1.189	-6.2	100	0.00
71	P	Bromoform	0.253	0.259	-2.4	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.542	3.503	1.1	98	0.00
74	T	N-amyl acetate	1.725	1.692	1.9	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.276	-0.2	98	0.00
76	T	1,2,3-Trichloropropane	1.069	1.032	3.5	96	0.00
77	T	Bromobenzene	0.915	0.947	-3.5	102	0.00
78	T	n-propylbenzene	3.862	3.866	-0.1	96	0.00
79	T	2-Chlorotoluene	2.561	2.518	1.7	99	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.965	-0.4	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.381	2.1	91	0.00
82	T	4-Chlorotoluene	2.874	2.873	0.0	99	0.00
83	T	tert-Butylbenzene	3.003	2.980	0.8	97	0.00
84	T	1,2,4-Trimethylbenzene	3.010	3.085	-2.5	99	0.00
85	T	sec-Butylbenzene	3.520	3.565	-1.3	97	0.00
86	T	p-Isopropyltoluene	2.992	3.010	-0.6	96	0.00
87	T	1,3-Dichlorobenzene	1.639	1.673	-2.1	101	0.00
88	T	1,4-Dichlorobenzene	1.699	1.682	1.0	101	0.00
89	T	n-Butylbenzene	2.438	2.504	-2.7	95	0.00
90	T	Hexachloroethane	0.486	0.489	-0.6	94	0.00
91	T	1,2-Dichlorobenzene	1.676	1.725	-2.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.248	4.6	88	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.088	-7.0	100	0.00
94	T	Hexachlorobutadiene	0.375	0.362	3.5	96	0.00
95	T	Naphthalene	3.893	4.127	-6.0	99	0.00

Sample Results: **VX043608.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.110	-3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043608.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	45.527	8.9	94	0.00
3	P	Chloromethane	50.000	46.060	7.9	94	0.00
4	C	Vinyl Chloride	50.000	49.033	1.9#	96	0.00
5	T	Bromomethane	50.000	49.698	0.6	96	0.00
6	T	Chloroethane	50.000	49.288	1.4	95	0.00
7	T	Trichlorofluoromethane	50.000	50.793	-1.6	99	0.01
8	T	Diethyl Ether	50.000	52.875	-5.8	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.715	0.6	97	0.00
10	T	Methyl Iodide	50.000	51.575	-3.2	97	0.00
11	T	Tert butyl alcohol	250.000	263.841	-5.5	98	-0.04
12	CM	1,1-Dichloroethene	50.000	50.316	-0.6#	98	0.00
13	T	Acrolein	250.000	247.404	1.0	103	0.00
14	T	Allyl chloride	50.000	49.498	1.0	94	0.00
15	T	Acrylonitrile	250.000	262.562	-5.0	99	0.00
16	T	Acetone	250.000	231.934	7.2	92	0.00
17	T	Carbon Disulfide	50.000	45.217	9.6	87	0.00
18	T	Methyl Acetate	50.000	48.896	2.2	95	0.00
19	T	Methyl tert-butyl Ether	50.000	51.858	-3.7	99	0.00
20	T	Methylene Chloride	50.000	49.441	1.1	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.050	-2.1	100	0.00
22	T	Diisopropyl ether	50.000	50.951	-1.9	98	0.00
23	T	Vinyl Acetate	250.000	265.039	-6.0	97	0.00
24	P	1,1-Dichloroethane	50.000	49.980	0.0	97	0.00
25	T	2-Butanone	250.000	250.264	-0.1	93	0.00
26	T	2,2-Dichloropropane	50.000	43.890	12.2	87	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.971	-5.9	101	0.00
28	T	Bromochloromethane	50.000	49.662	0.7	100	0.00
29	T	Tetrahydrofuran	250.000	250.734	-0.3	95	0.00
30	C	Chloroform	50.000	49.656	0.7#	96	0.00
31	T	Cyclohexane	50.000	49.541	0.9	97	0.00
32	T	1,1,1-Trichloroethane	50.000	49.171	1.7	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.685	4.6	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	50.941	-1.9	101	0.00
36	T	1,1-Dichloropropene	50.000	48.407	3.2	98	0.00
37	T	Ethyl Acetate	50.000	50.801	-1.6	96	0.00
38	T	Carbon Tetrachloride	50.000	47.400	5.2	93	0.00
39	T	Methylcyclohexane	50.000	49.896	0.2	96	0.00
40	TM	Benzene	50.000	50.901	-1.8	99	0.00
41	T	Methacrylonitrile	50.000	52.879	-5.8	98	0.00
42	TM	1,2-Dichloroethane	50.000	49.839	0.3	95	0.00
43	T	Isopropyl Acetate	50.000	50.370	-0.7	95	0.00
44	TM	Trichloroethene	50.000	50.041	-0.1	97	0.00
45	C	1,2-Dichloropropane	50.000	52.297	-4.6#	100	0.00
46	T	Dibromomethane	50.000	51.612	-3.2	99	0.00
47	T	Bromodichloromethane	50.000	51.646	-3.3	95	0.00
48	T	Methyl methacrylate	50.000	51.651	-3.3	96	0.00

Sample Results: **VX043608.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1075.073	-7.5	101	0.00
50	S	Toluene-d8	50.000	51.243	-2.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.941	-3.6	95	0.00
52	CM	Toluene	50.000	52.560	-5.1#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	51.314	-2.6	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.094	-6.2	98	0.00
55	T	1,1,2-Trichloroethane	50.000	53.799	-7.6	100	0.00
56	T	Ethyl methacrylate	50.000	53.432	-6.9	98	0.00
57	T	1,3-Dichloropropane	50.000	53.607	-7.2	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.875	-5.5	103	0.00
59	T	2-Hexanone	250.000	254.496	-1.8	93	0.00
60	T	Dibromochloromethane	50.000	54.022	-8.0	97	0.00
61	T	1,2-Dibromoethane	50.000	53.153	-6.3	100	0.00
62	S	4-Bromofluorobenzene	50.000	51.413	-2.8	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	49.957	0.1	101	0.00
65	PM	Chlorobenzene	50.000	50.588	-1.2	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.231	-4.5	98	0.00
67	C	Ethyl Benzene	50.000	49.943	0.1#	98	0.00
68	T	m/p-Xylenes	100.000	101.972	-2.0	98	0.00
69	T	o-Xylene	50.000	51.602	-3.2	100	0.00
70	T	Styrene	50.000	53.092	-6.2	100	0.00
71	P	Bromoform	50.000	51.301	-2.6	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	49.457	1.1	98	0.00
74	T	N-amyl acetate	50.000	49.043	1.9	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.090	-0.2	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.280	3.4	96	0.00
77	T	Bromobenzene	50.000	51.757	-3.5	102	0.00
78	T	n-propylbenzene	50.000	50.049	-0.1	96	0.00
79	T	2-Chlorotoluene	50.000	49.168	1.7	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.200	-0.4	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.002	2.0	91	0.00
82	T	4-Chlorotoluene	50.000	49.980	0.0	99	0.00
83	T	tert-Butylbenzene	50.000	49.604	0.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.260	-2.5	99	0.00
85	T	sec-Butylbenzene	50.000	50.641	-1.3	97	0.00
86	T	p-Isopropyltoluene	50.000	50.299	-0.6	96	0.00
87	T	1,3-Dichlorobenzene	50.000	51.035	-2.1	101	0.00
88	T	1,4-Dichlorobenzene	50.000	49.502	1.0	101	0.00
89	T	n-Butylbenzene	50.000	51.345	-2.7	95	0.00
90	T	Hexachloroethane	50.000	50.348	-0.7	94	0.00
91	T	1,2-Dichlorobenzene	50.000	51.444	-2.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.806	4.4	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.456	-6.9	100	0.00
94	T	Hexachlorobutadiene	50.000	48.231	3.5	96	0.00
95	T	Naphthalene	50.000	53.003	-6.0	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.757	-3.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043610.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 09:26

Lab File ID: VX043610.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.584	0.1	-14.6	20
Vinyl Chloride	0.634	0.571		-10	20
Bromomethane	0.259	0.237		-8.5	20
Chloroethane	0.223	0.203		-9.1	20
Trichlorofluoromethane	0.775	0.698		-10	20
1,1,2-Trichlorotrifluoroethane	0.524	0.507		-3.3	20
1,1-Dichloroethene	0.536	0.501		-6.4	20
Acetone	0.317	0.343		8.3	20
Carbon Disulfide	1.120	0.957		-14.6	20
Methyl tert-butyl Ether	2.037	1.972		-3.2	20
Methylene Chloride	0.682	0.636		-6.7	20
trans-1,2-Dichloroethene	0.566	0.534		-5.7	20
1,1-Dichloroethane	1.101	1.028	0.1	-6.5	20
2-Butanone	0.462	0.468		1.3	20
Carbon Tetrachloride	0.444	0.405		-8.8	20
cis-1,2-Dichloroethene	0.723	0.716		-1	20
Chloroform	1.154	1.104		-4.3	20
1,1,1-Trichloroethane	0.969	0.886		-8.6	20
Methylcyclohexane	0.499	0.481		-3.7	20
Benzene	1.341	1.280		-4.5	20
1,2-Dichloroethane	0.482	0.451		-6.5	20
Trichloroethene	0.333	0.323		-3	20
1,2-Dichloropropane	0.330	0.318		-3.7	20
Bromodichloromethane	0.446	0.457		2.5	20
4-Methyl-2-Pentanone	0.492	0.488		-0.8	20
Toluene	0.813	0.812		-0.2	20
t-1,3-Dichloropropene	0.479	0.489		2	20
cis-1,3-Dichloropropene	0.510	0.524		2.7	20
1,1,2-Trichloroethane	0.339	0.347		2.5	20
2-Hexanone	0.374	0.373		-0.1	20
Dibromochloromethane	0.335	0.357		6.6	20
Tetrachloroethene	0.314	0.299		-5	20
Chlorobenzene	1.076	1.032	0.3	-4	20
Ethyl Benzene	1.754	1.649		-6	20
m/p-Xylenes	0.671	0.654		-2.6	20
o-Xylene	0.674	0.664		-1.4	20
Styrene	1.120	1.140		1.8	20
Bromoform	0.253	0.264	0.1	4.7	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 09:26

Lab File ID: VX043610.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.300		-6.8	20
1,1,2,2-Tetrachloroethane	1.274	1.220	0.3	-4.2	20
1,3-Dichlorobenzene	1.639	1.625		-0.8	20
1,4-Dichlorobenzene	1.699	1.622		-4.5	20
1,2-Dichlorobenzene	1.676	1.677		0.1	20
1,2-Dichloroethane-d4	0.797	0.748		-6.2	20
Dibromofluoromethane	0.339	0.352		3.9	20
Toluene-d8	1.174	1.213		3.4	20
4-Bromofluorobenzene	0.435	0.462		6.1	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\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	150073	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269353	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239151	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115673	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	112202	46.889 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.780%		
35) Dibromofluoromethane	5.379	113	94915	51.966 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.940%		
50) Toluene-d8	8.647	98	326824	51.692 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.380%		
62) 4-Bromofluorobenzene	11.079	95	124327	53.067 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.140%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	71574	44.596 ug/l	99
3) Chloromethane	1.294	50	87599	42.698 ug/l	98
4) Vinyl Chloride	1.374	62	85695	45.006 ug/l	99
5) Bromomethane	1.593	94	35512	45.750 ug/l	94
6) Chloroethane	1.660	64	30486	45.446 ug/l	99
7) Trichlorofluoromethane	1.861	101	104723	45.021 ug/l	99
8) Diethyl Ether	2.136	74	53489	49.770 ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	76076	48.361 ug/l	98
10) Methyl Iodide	2.441	142	108842	47.890 ug/l	97
11) Tert butyl alcohol	3.014	59	108451	242.814 ug/l #	100
12) 1,1-Dichloroethene	2.306	96	75194	46.775 ug/l	93
13) Acrolein	2.239	56	74024	211.927 ug/l	100
14) Allyl chloride	2.654	41	131287	47.217 ug/l	95
15) Acrylonitrile	3.068	53	252559	250.451 ug/l	99
16) Acetone	2.392	43	257260	270.728 ug/l	97
17) Carbon Disulfide	2.495	76	143574	42.711 ug/l	99
18) Methyl Acetate	2.703	43	132295	47.636 ug/l	99
19) Methyl tert-butyl Ether	3.117	73	295972	48.412 ug/l	98
20) Methylene Chloride	2.782	84	95520	46.641 ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	80110	47.169 ug/l	94
22) Diisopropyl ether	3.764	45	274400	47.745 ug/l	92
23) Vinyl Acetate	3.721	43	1179393	248.394 ug/l	99
24) 1,1-Dichloroethane	3.599	63	154349	46.726 ug/l	98
25) 2-Butanone	4.562	43	350984	253.209 ug/l	97
26) 2,2-Dichloropropane	4.465	77	128192	47.410 ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	107437	49.522 ug/l	96
28) Bromochloromethane	4.891	49	79972	50.892 ug/l	97
29) Tetrahydrofuran	5.007	42	216487	240.326 ug/l	97
30) Chloroform	5.086	83	165613	47.828 ug/l	100
31) Cyclohexane	5.458	56	114348	45.259 ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	132895	45.714 ug/l	99
36) 1,1-Dichloropropene	5.678	75	97077	44.823 ug/l	97
37) Ethyl Acetate	4.715	43	130909	49.788 ug/l	97
38) Carbon Tetrachloride	5.666	117	109072	45.579 ug/l	99
39) Methylcyclohexane	7.373	83	129506	48.163 ug/l	98
40) Benzene	6.031	78	344839	47.728 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69757	50.543 ug/l	95
42) 1,2-Dichloroethane	6.080	62	121452	46.758 ug/l	97
43) Isopropyl Acetate	6.342	43	209353	48.146 ug/l	98
44) Trichloroethene	7.117	130	87016	48.479 ug/l	94
45) 1,2-Dichloropropane	7.421	63	85671	48.156 ug/l	99
46) Dibromomethane	7.574	93	66672	48.673 ug/l	96
47) Bromodichloromethane	7.818	83	123136	51.242 ug/l	99
48) Methyl methacrylate	7.690	41	101279	49.127 ug/l	95
49) 1,4-Dioxane	7.665	88	35094	828.559 ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	657274	248.002 ug/l	98
52) Toluene	8.714	92	218703	49.912 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	131592	50.985 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	141165	51.333 ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	93459	51.241 ug/l	99
56) Ethyl methacrylate	9.116	69	149715	50.517 ug/l	93
57) 1,3-Dichloropropane	9.305	76	152310	50.209 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	387207	269.768 ug/l	97
59) 2-Hexanone	9.433	43	502607	249.695 ug/l	96
60) Dibromochloromethane	9.519	129	96239	53.286 ug/l	98
61) 1,2-Dibromoethane	9.610	107	95281	50.325 ug/l	98
64) Tetrachloroethene	9.269	164	71453	47.505 ug/l	97
65) Chlorobenzene	10.079	112	246845	47.976 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	84757	50.433 ug/l	98
67) Ethyl Benzene	10.189	91	394382	47.008 ug/l	99
68) m/p-Xylenes	10.299	106	312586	97.427 ug/l	96
69) o-Xylene	10.640	106	158887	49.288 ug/l	97
70) Styrene	10.653	104	272620	50.882 ug/l	99
71) Bromoform	10.799	173	63250	52.344 ug/l #	99
73) Isopropylbenzene	10.957	105	381714	46.585 ug/l	99
74) N-amyl acetate	10.841	43	182532	45.729 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	141135	47.900 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	114398m	46.254 ug/l	
77) Bromobenzene	11.195	156	102861	48.616 ug/l	97
78) n-propylbenzene	11.305	91	429391	48.063 ug/l	99
79) 2-Chlorotoluene	11.360	91	273511	46.169 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	322893	47.262 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	44246	49.216 ug/l	94
82) 4-Chlorotoluene	11.451	91	316271	47.565 ug/l	96
83) tert-Butylbenzene	11.713	119	325979	46.916 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	336881	48.385 ug/l	96
85) sec-Butylbenzene	11.890	105	388641	47.720 ug/l	98
86) p-Isopropyltoluene	12.006	119	335157	48.414 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	188015	49.579 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	187678	47.762 ug/l	99
89) n-Butylbenzene	12.329	91	283231	50.210 ug/l	99
90) Hexachloroethane	12.536	117	55596	49.441 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	194011	50.031 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28504	47.454 ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	122941	52.231 ug/l	99
94) Hexachlorobutadiene	13.725	225	43330	49.928 ug/l	97
95) Naphthalene	13.774	128	461342	51.219 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	126305	50.894 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

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

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

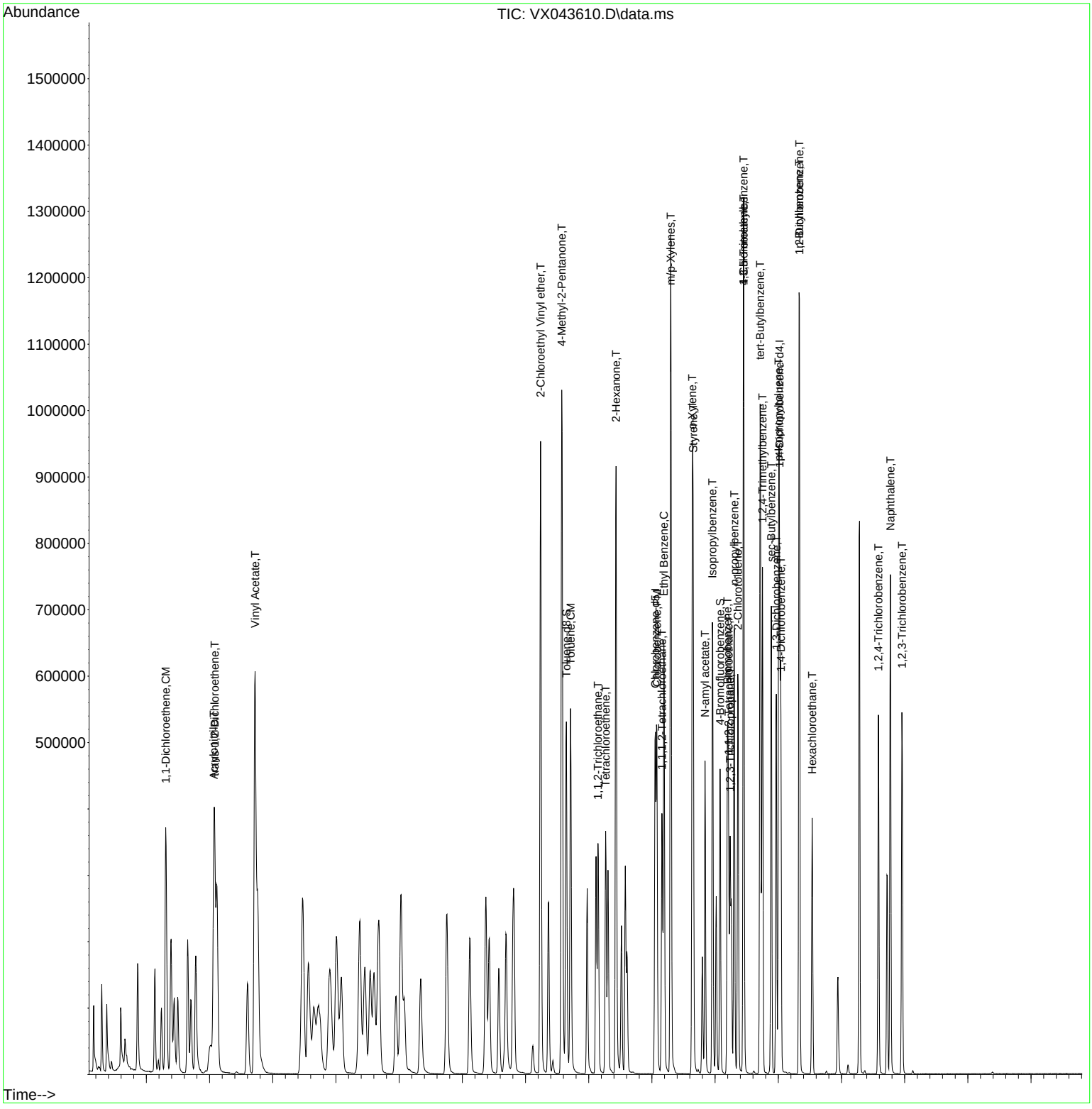
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

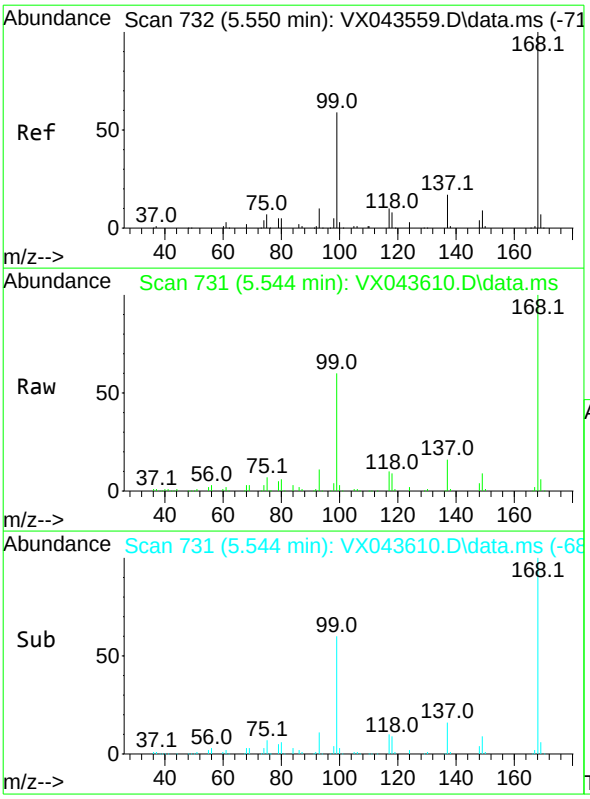
Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

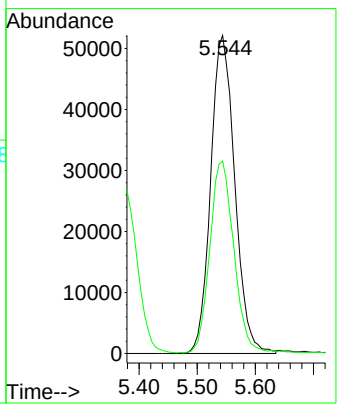




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:168 Resp: 150073

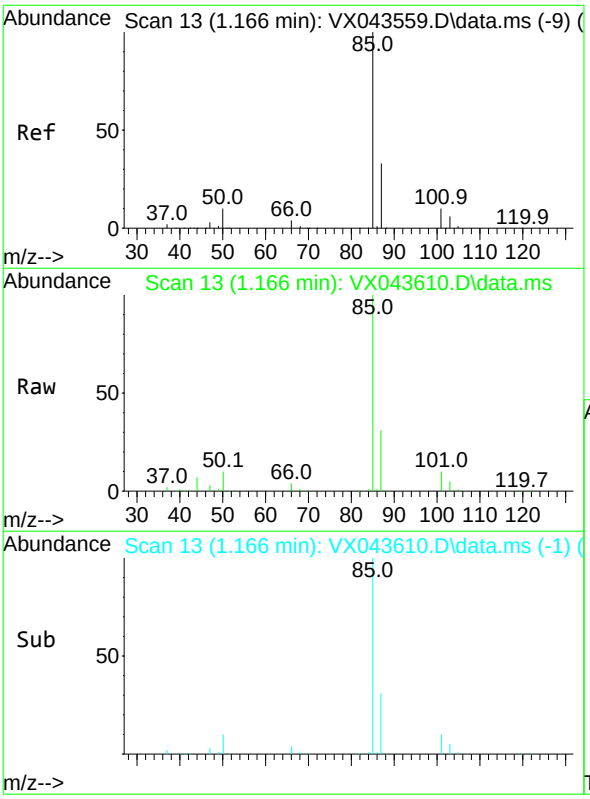
Ion	Ratio	Lower	Upper
168	100		
99	60.3	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

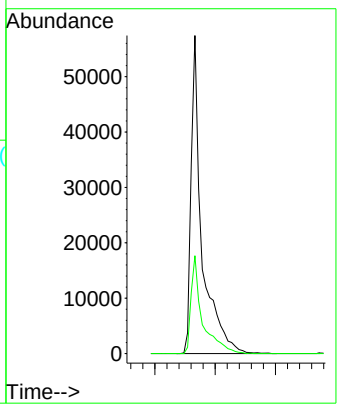
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

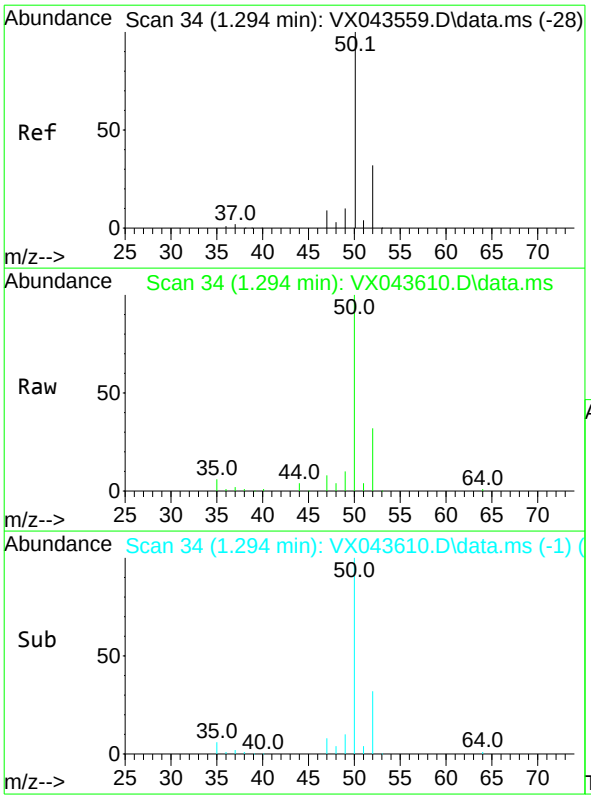


#2
Dichlorodifluoromethane
Concen: 44.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 85 Resp: 71574

Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.7	47.0

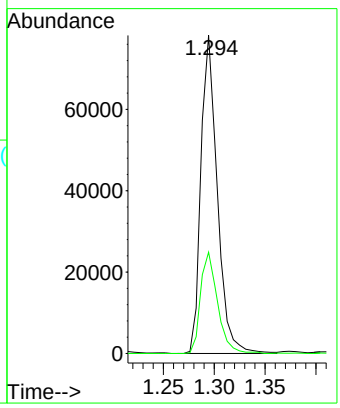




#3
Chloromethane
Concen: 42.698 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 50 Resp: 87599

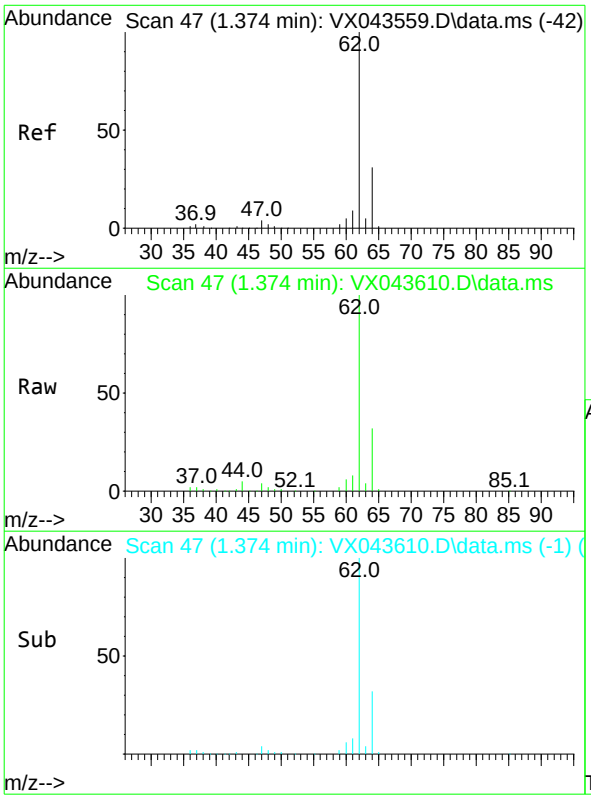
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

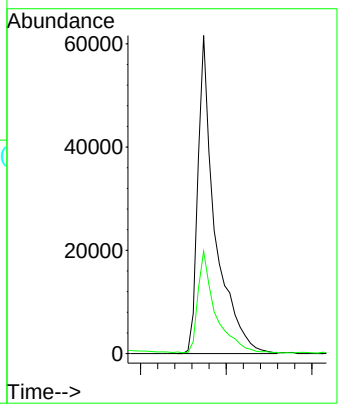
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

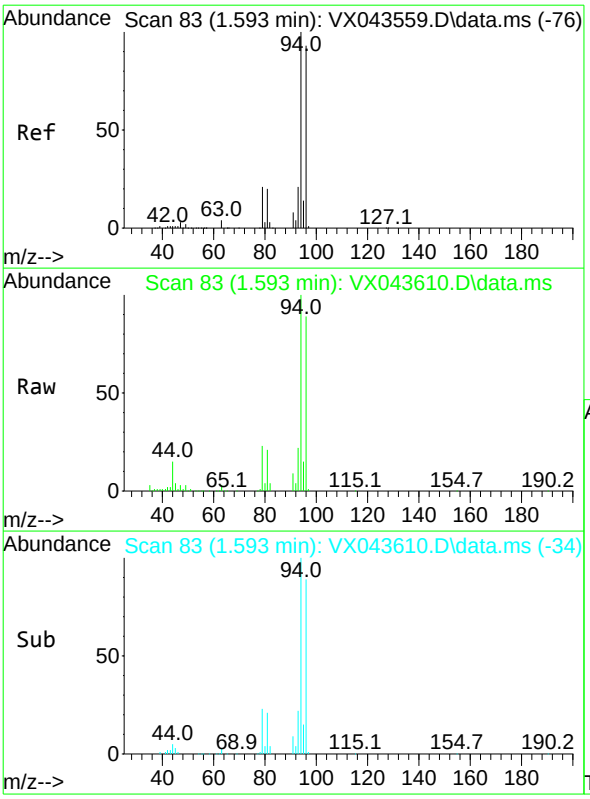


#4
Vinyl Chloride
Concen: 45.006 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 62 Resp: 85695

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.0	37.4

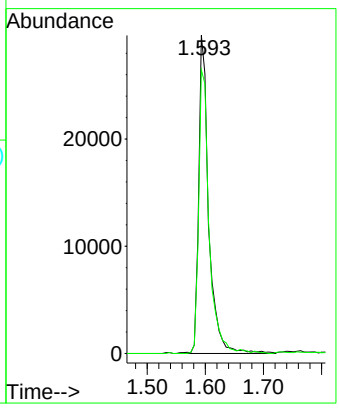




#5
Bromomethane
Concen: 45.750 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 94 Resp: 35512

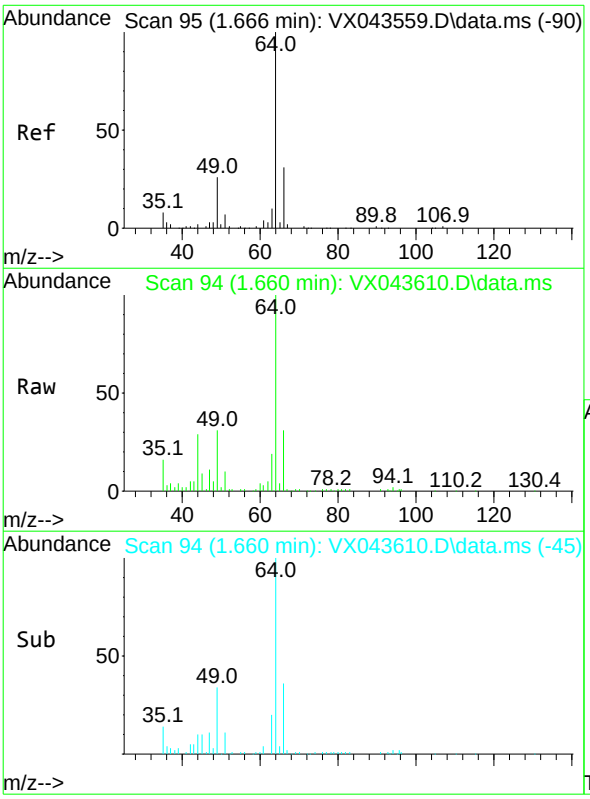
Ion	Ratio	Lower	Upper
94	100		
96	89.2	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

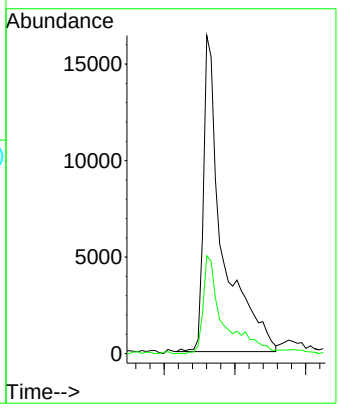
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

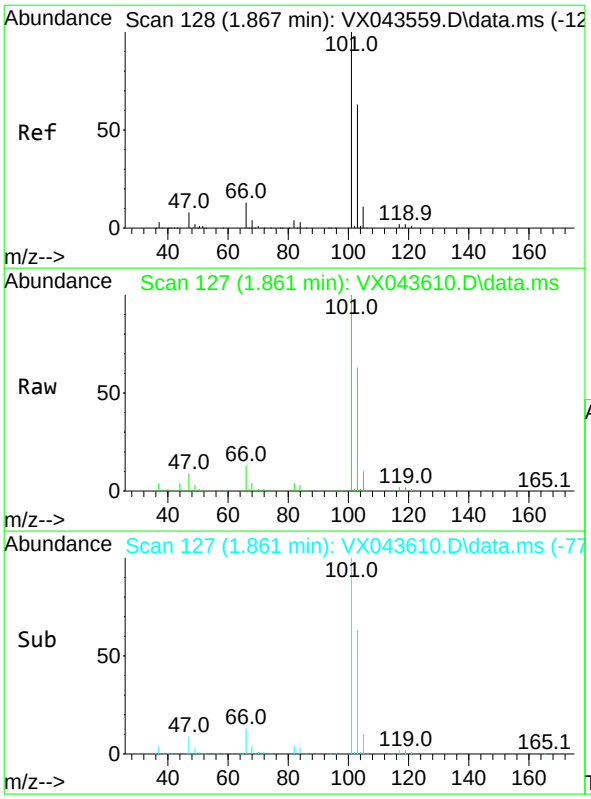


#6
Chloroethane
Concen: 45.446 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 64 Resp: 30486

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.1	37.7

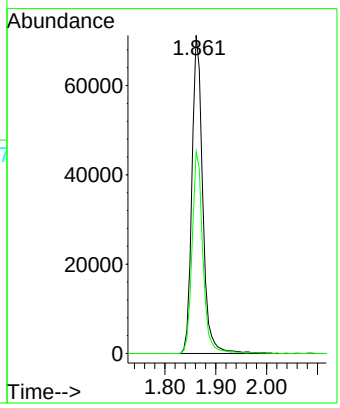




#7
Trichlorofluoromethane
Concen: 45.021 ug/l
RT: 1.861 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:101 Resp: 104723

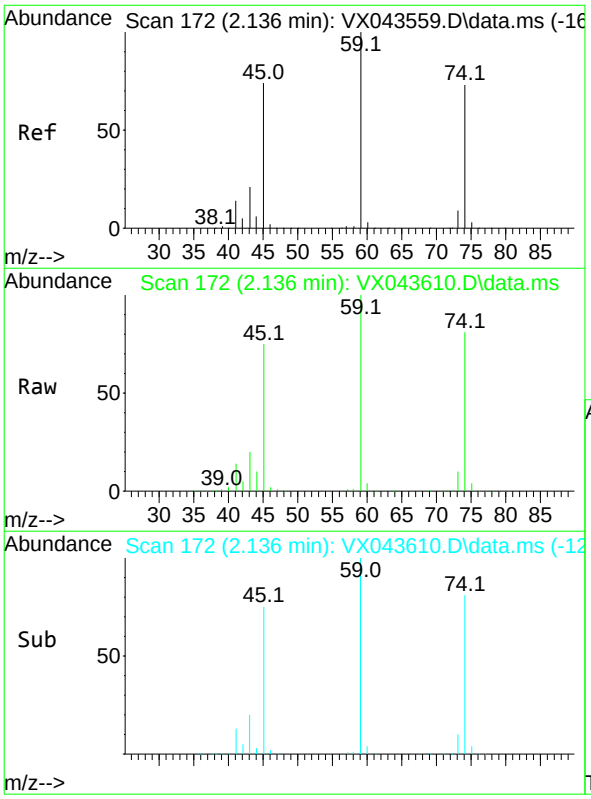
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

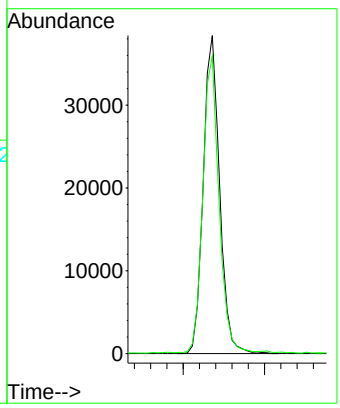
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

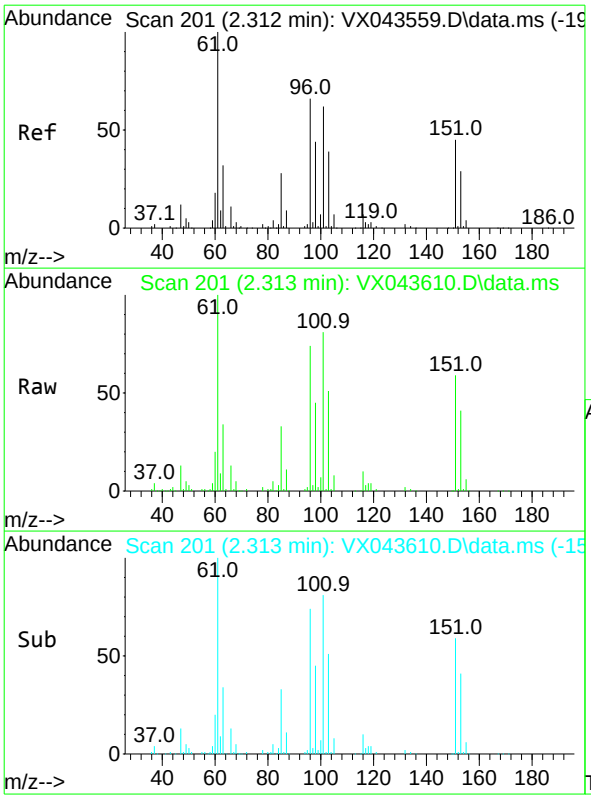


#8
Diethyl Ether
Concen: 49.770 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 74 Resp: 53489

Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.361 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

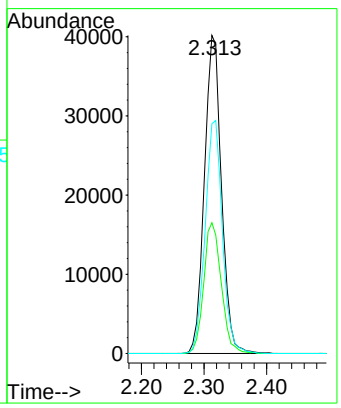
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

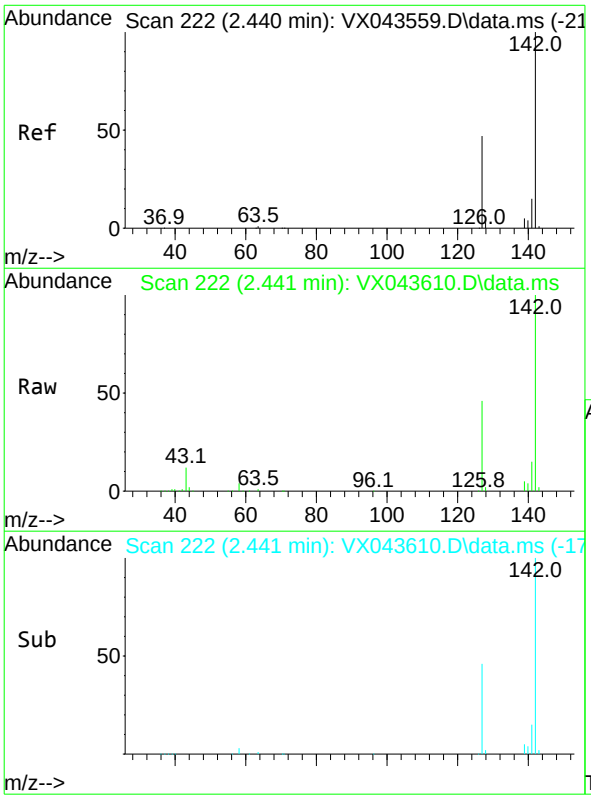
Tgt Ion:101 Resp: 76076

Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.5	51.7
151	74.1	58.2	87.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

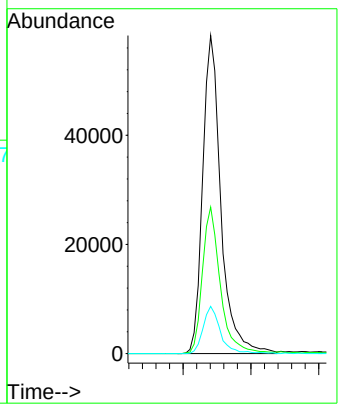


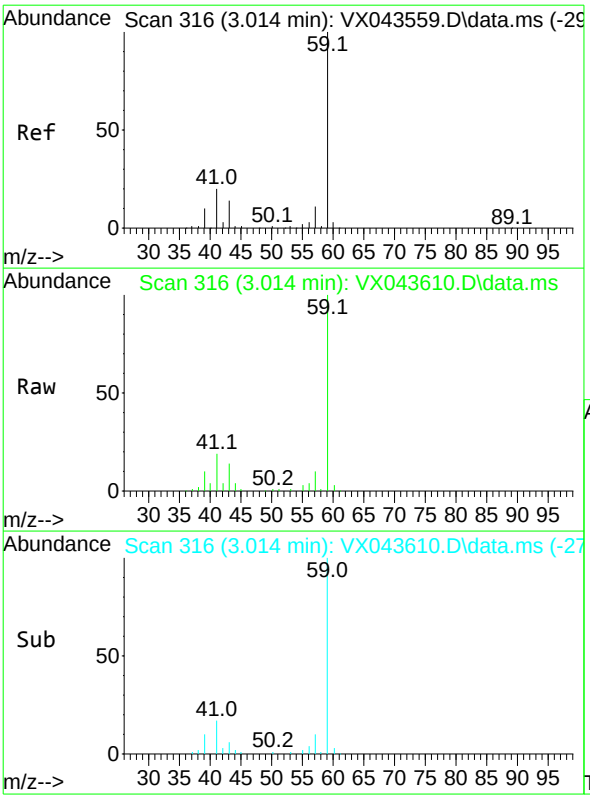


#10
Methyl Iodide
Concen: 47.890 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:142 Resp: 108842

Ion	Ratio	Lower	Upper
142	100		
127	45.1	38.2	57.4
141	14.2	11.5	17.3





#11
Tert butyl alcohol
Concen: 242.814 ug/l
RT: 3.014 min Scan# 31
Delta R.T. -0.036 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

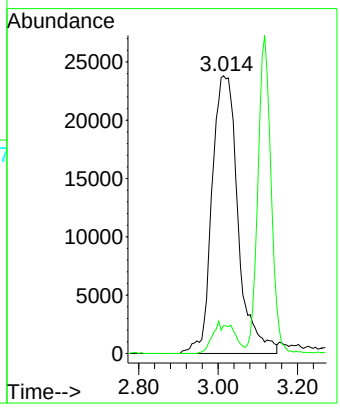
Tgt Ion: 59 Resp: 108451

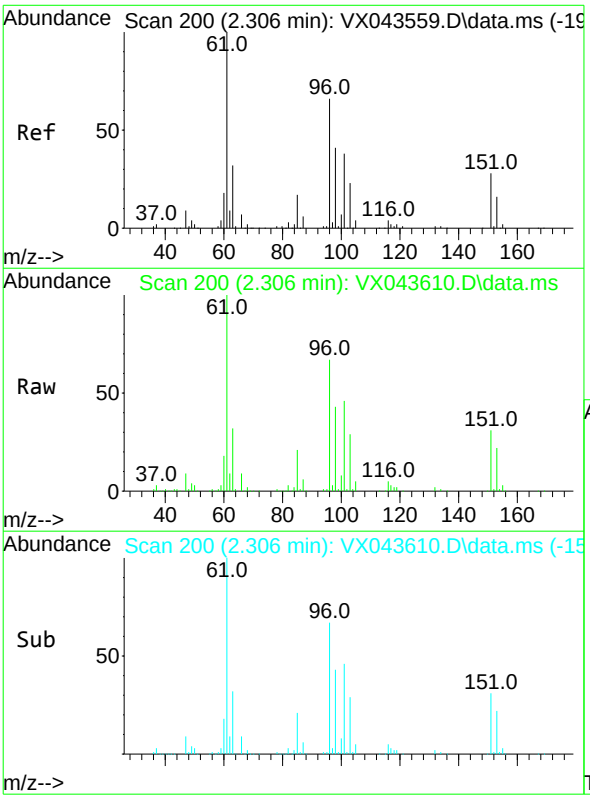
Ion	Ratio	Lower	Upper
59	100		
57	4.1	0.0	0.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

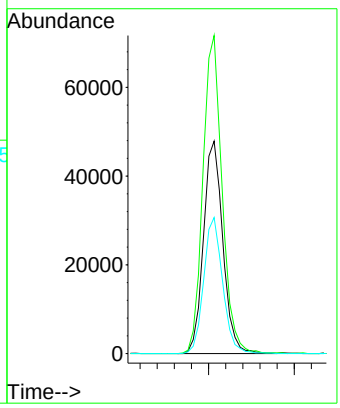


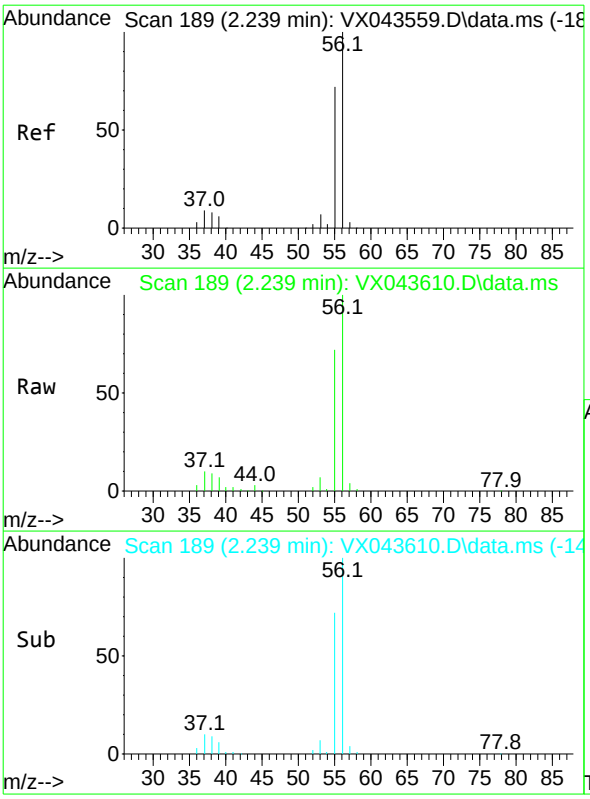


#12
1,1-Dichloroethene
Concen: 46.775 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 96 Resp: 75194

Ion	Ratio	Lower	Upper
96	100		
61	149.7	130.2	195.4
98	64.1	51.0	76.6

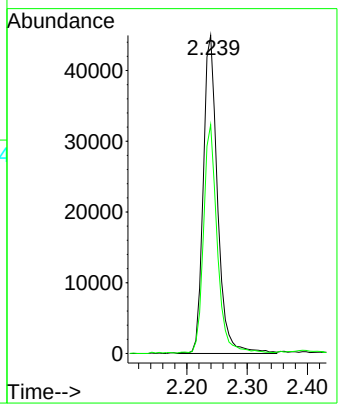




#13
Acrolein
Concen: 211.927 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 56 Resp: 74024

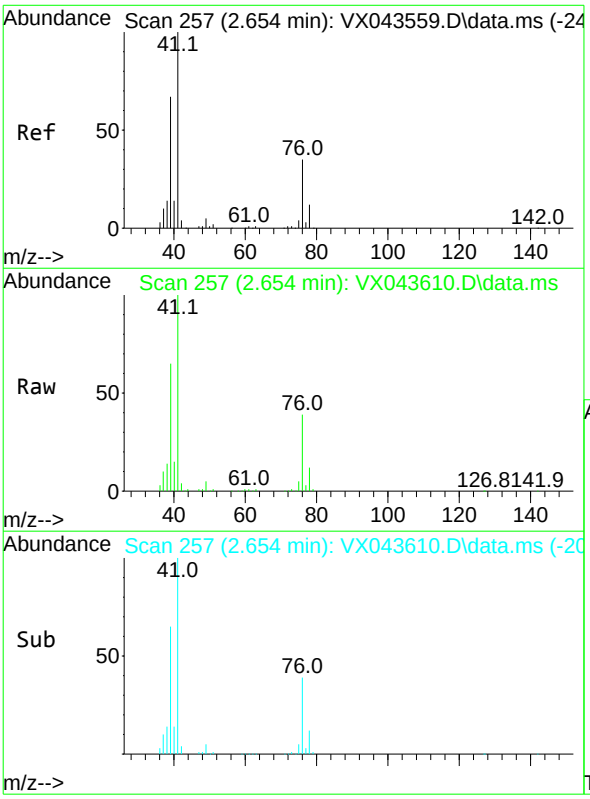
Ion	Ratio	Lower	Upper
56	100		
55	68.7	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

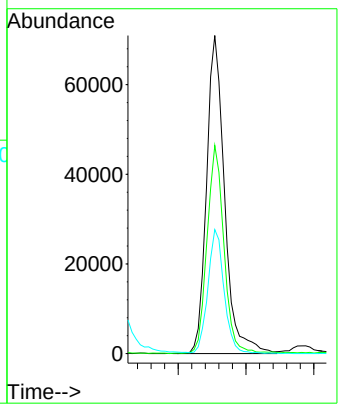
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

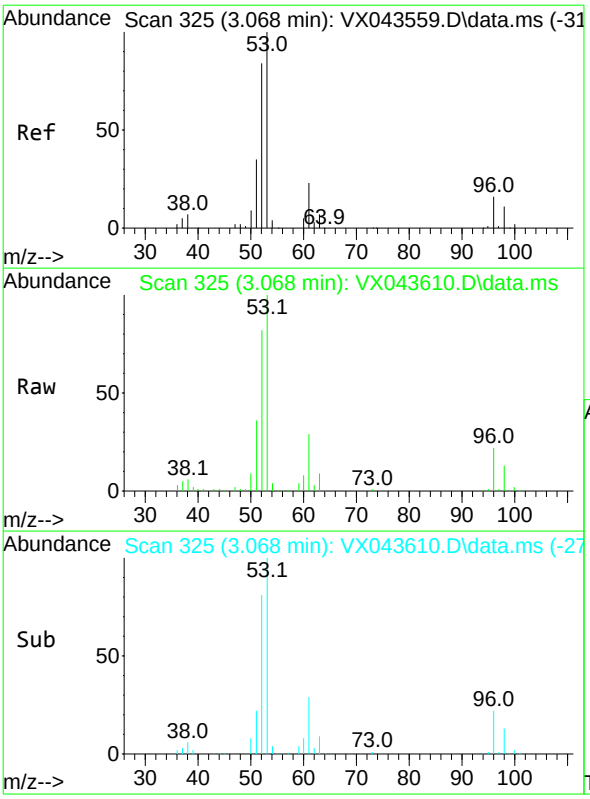


#14
Allyl chloride
Concen: 47.217 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 41 Resp: 131287

Ion	Ratio	Lower	Upper
41	100		
39	61.3	53.2	79.8
76	35.2	27.0	40.6

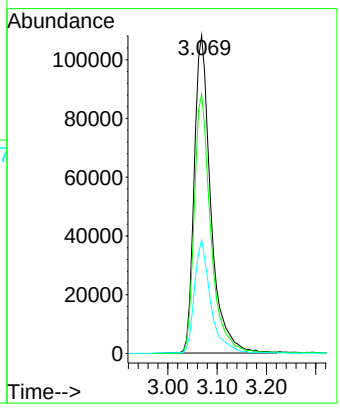




#15
Acrylonitrile
Concen: 250.451 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 53 Resp: 252559

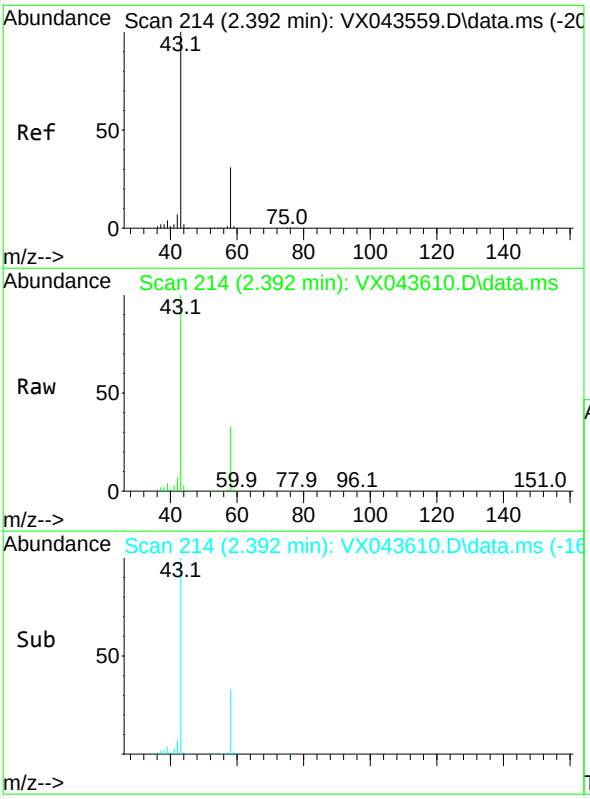
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.6
51	34.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

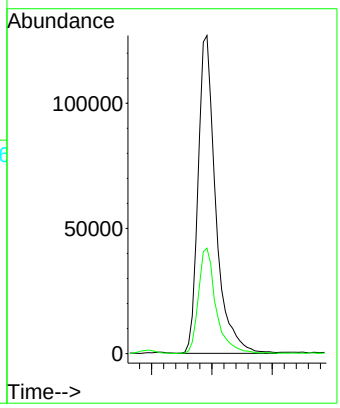
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

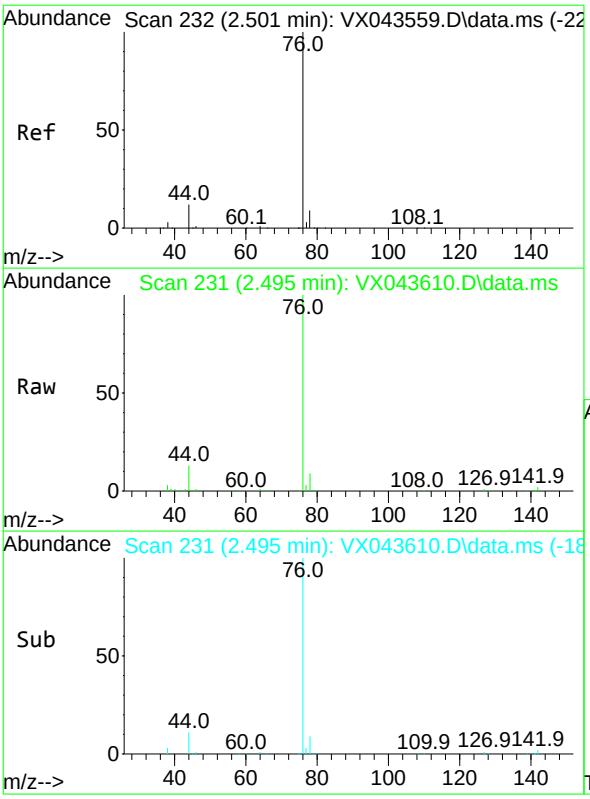


#16
Acetone
Concen: 270.728 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 257260

Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.1	37.7

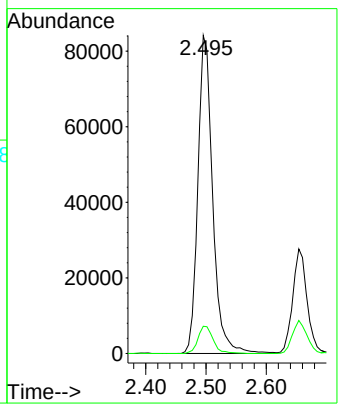




#17
Carbon Disulfide
Concen: 42.711 ug/l
RT: 2.495 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 76 Resp: 143574

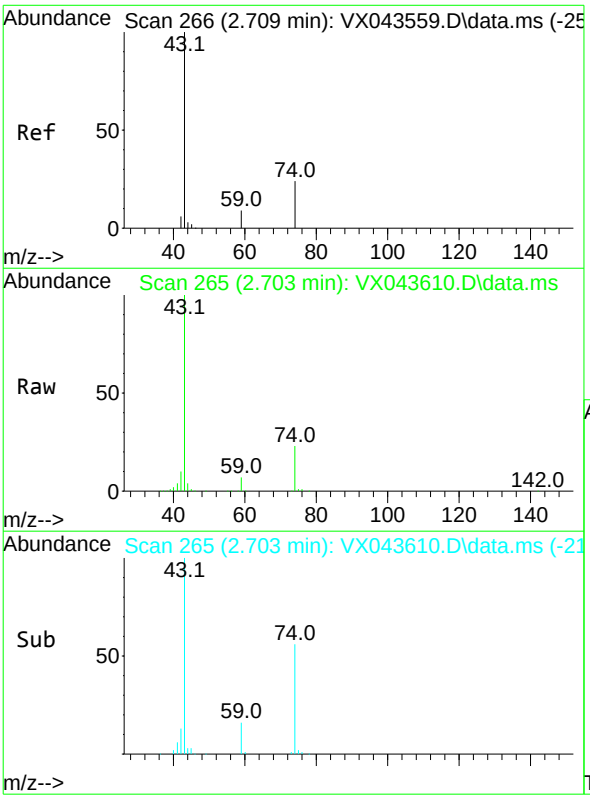
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

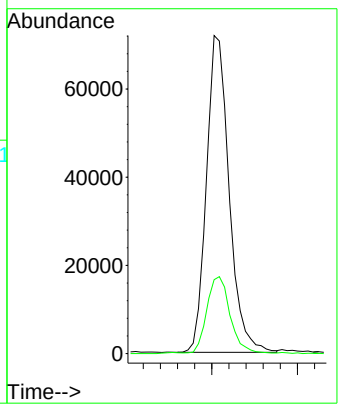
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

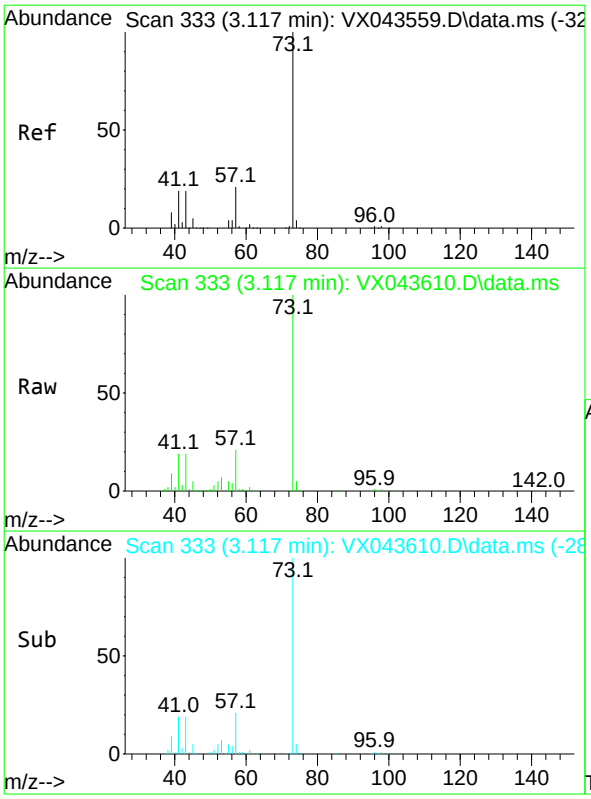


#18
Methyl Acetate
Concen: 47.636 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 132295

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.1	28.7

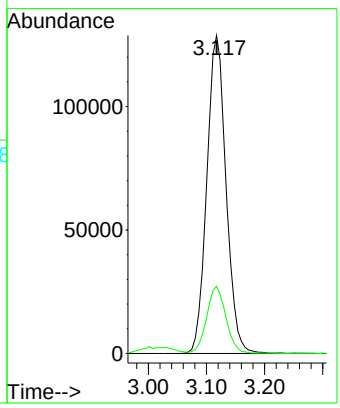




#19
Methyl tert-butyl Ether
Concen: 48.412 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 73 Resp: 295972

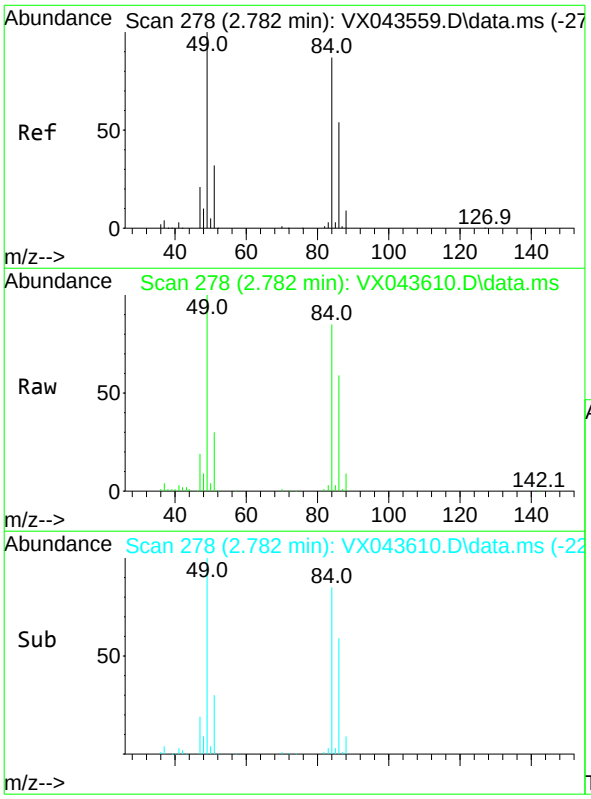
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

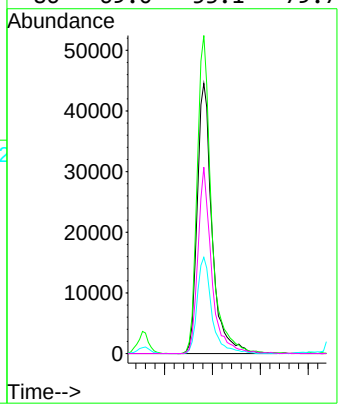
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

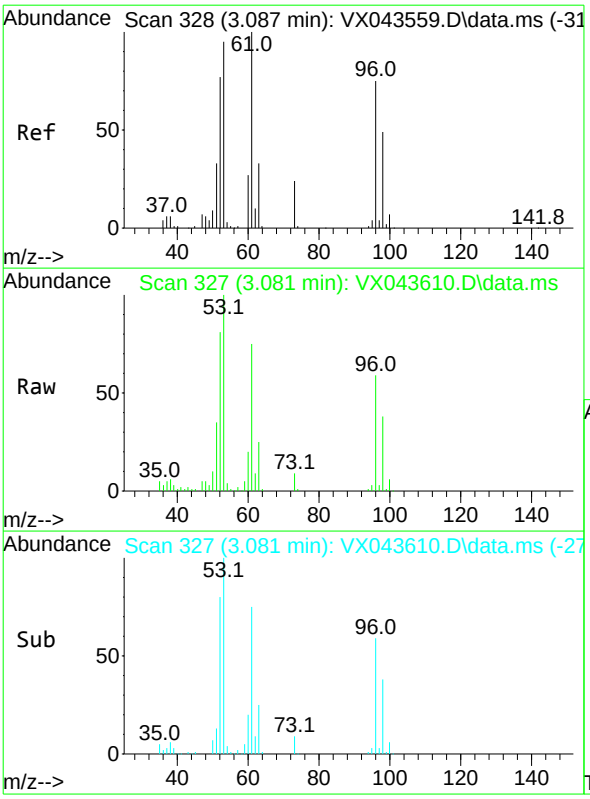


#20
Methylene Chloride
Concen: 46.641 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 84 Resp: 95520

Ion	Ratio	Lower	Upper
84	100		
49	117.7	97.0	145.6
51	35.6	29.8	44.8
86	69.0	53.1	79.7

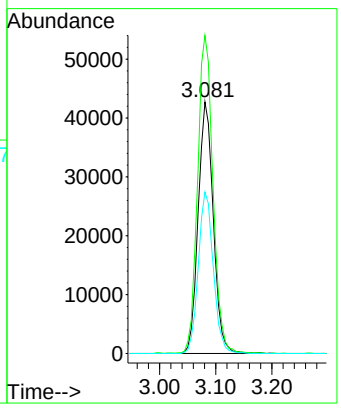




#21
trans-1,2-Dichloroethene
Concen: 47.169 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 96 Resp: 80110

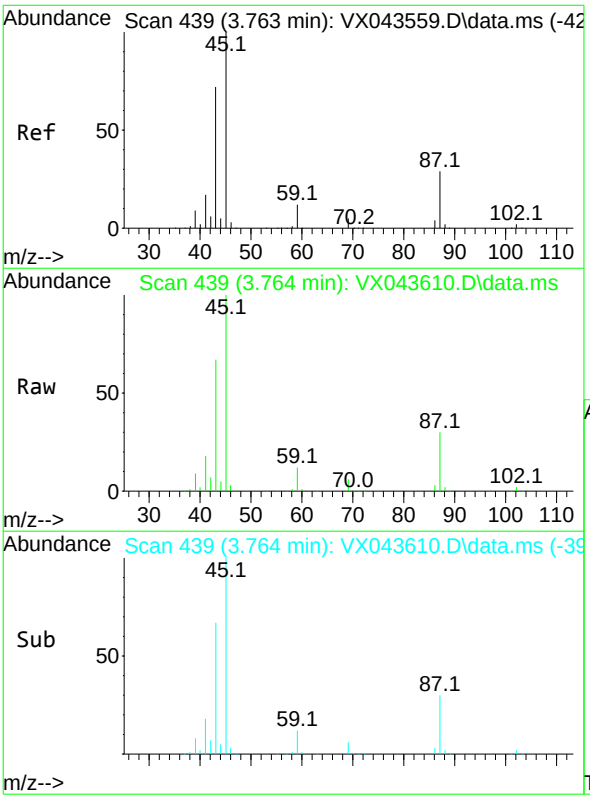
Ion	Ratio	Lower	Upper
96	100		
61	126.4	107.1	160.7
98	64.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

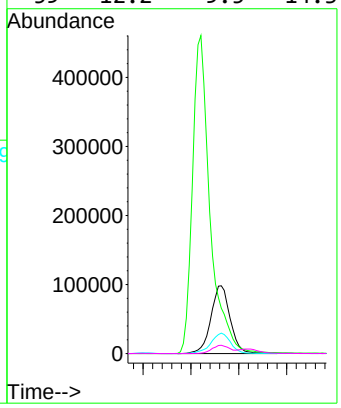
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

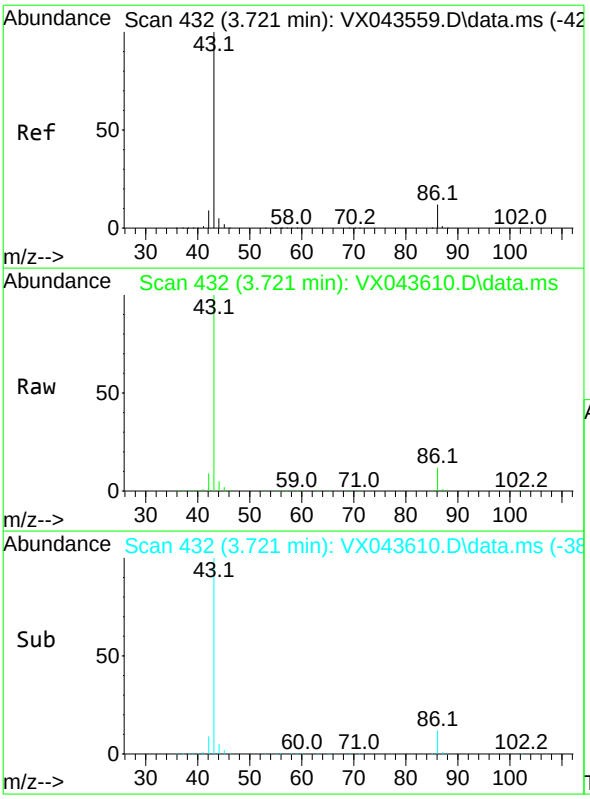


#22
Diisopropyl ether
Concen: 47.745 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 45 Resp: 274400

Ion	Ratio	Lower	Upper
45	100		
43	66.6	60.6	90.8
87	30.2	22.0	33.0
59	12.2	9.5	14.3

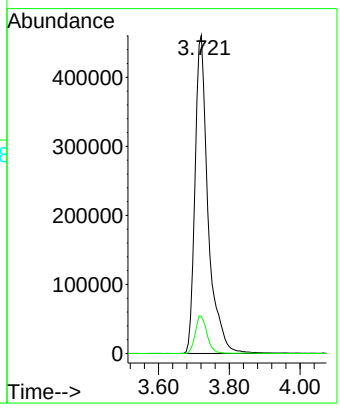




#23
Vinyl Acetate
Concen: 248.394 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 1179393

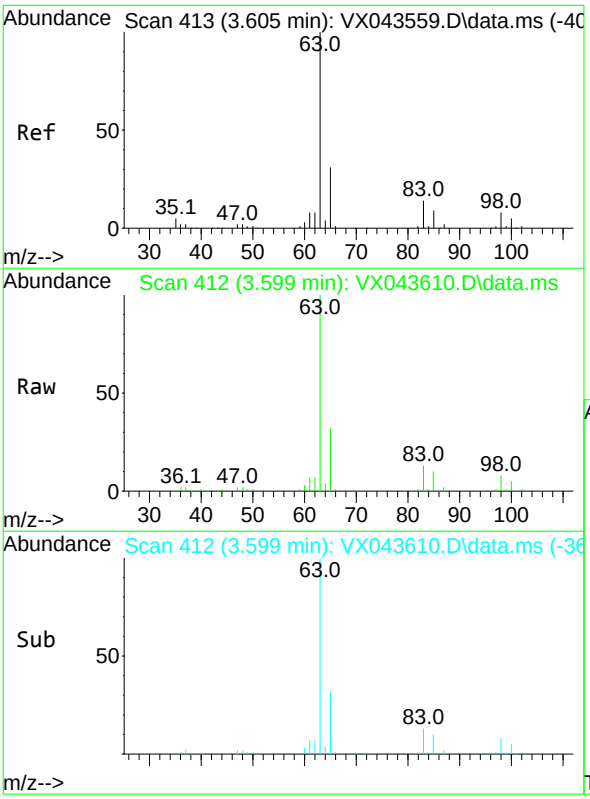
Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

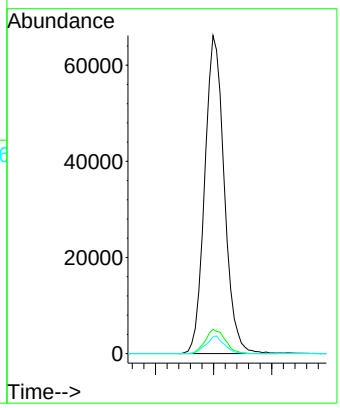
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

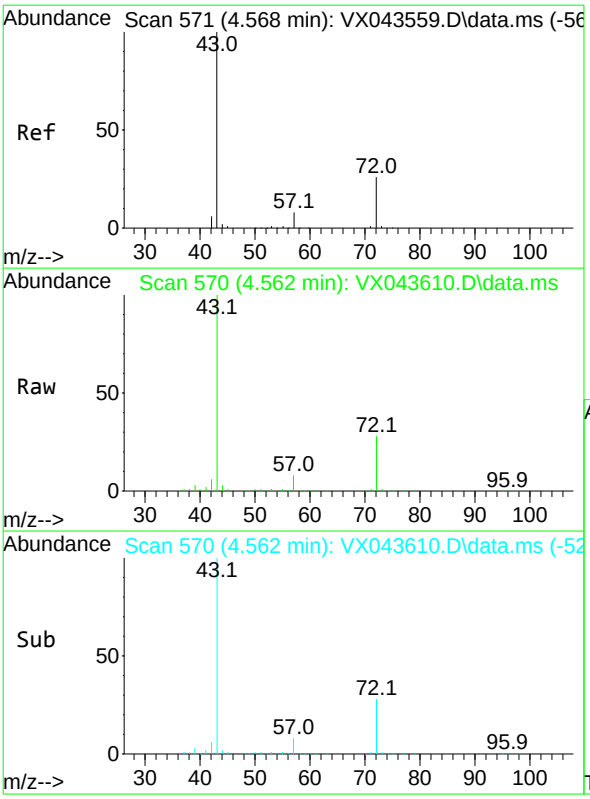


#24
1,1-Dichloroethane
Concen: 46.726 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 63 Resp: 154349

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	5.3	2.4	7.2

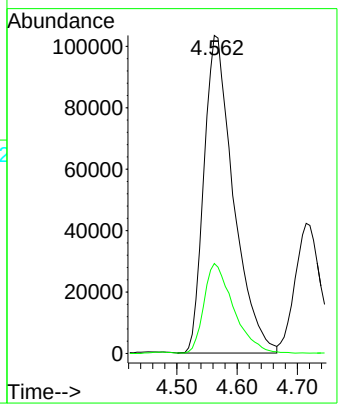




#25
2-Butanone
Concen: 253.209 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 350984

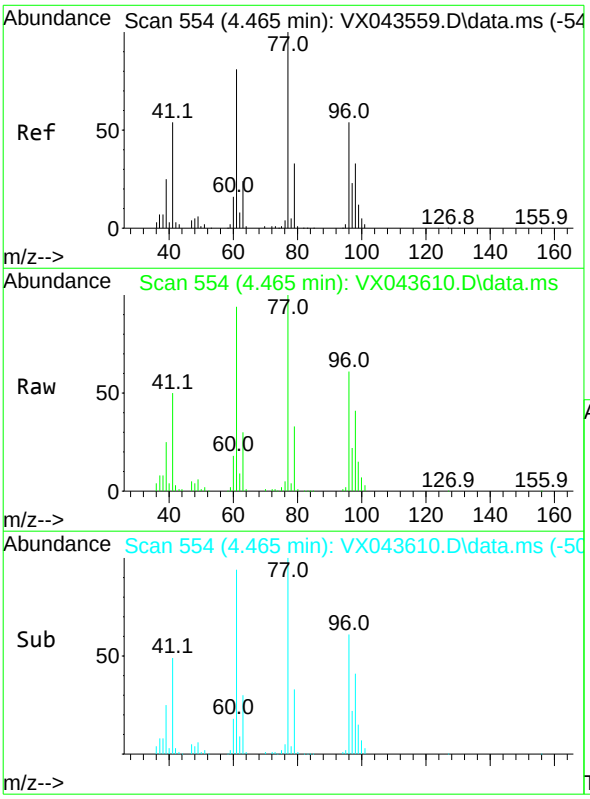
Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

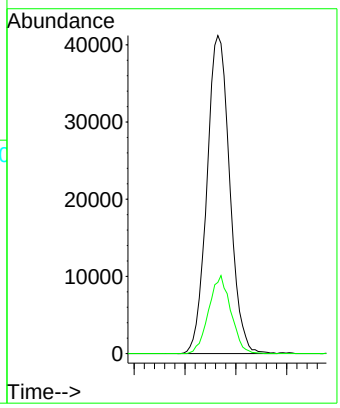
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

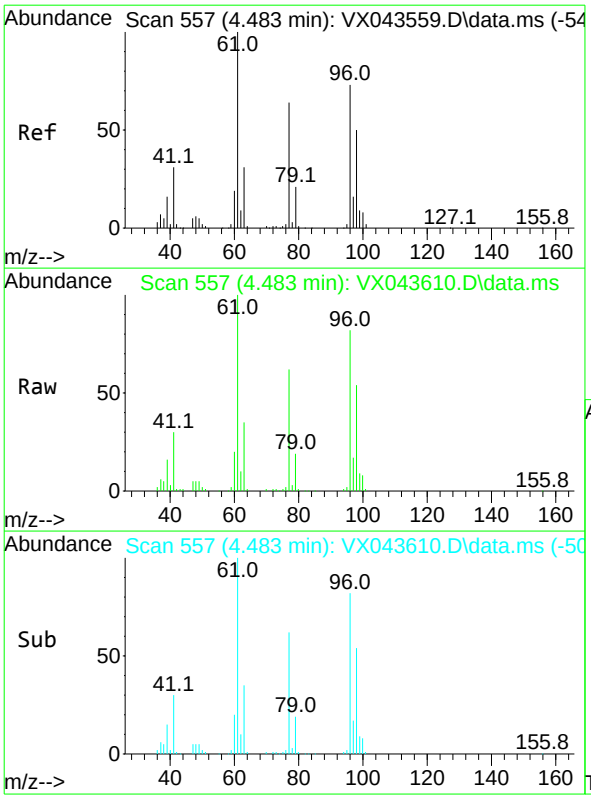


#26
2,2-Dichloropropane
Concen: 47.410 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 77 Resp: 128192

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 49.522 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

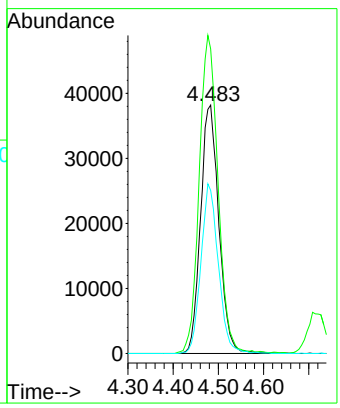
Tgt Ion: 96 Resp: 107437

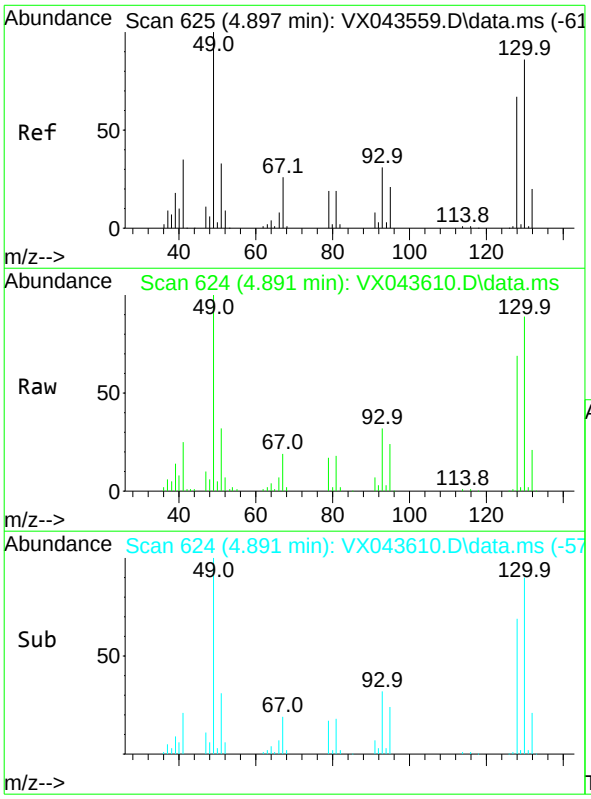
Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	277.2
98	64.8	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

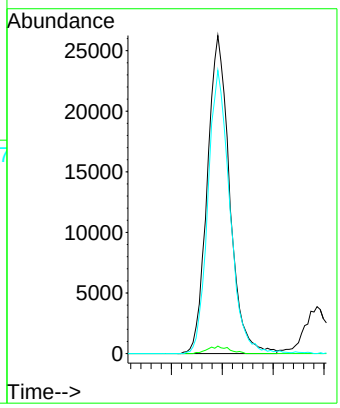


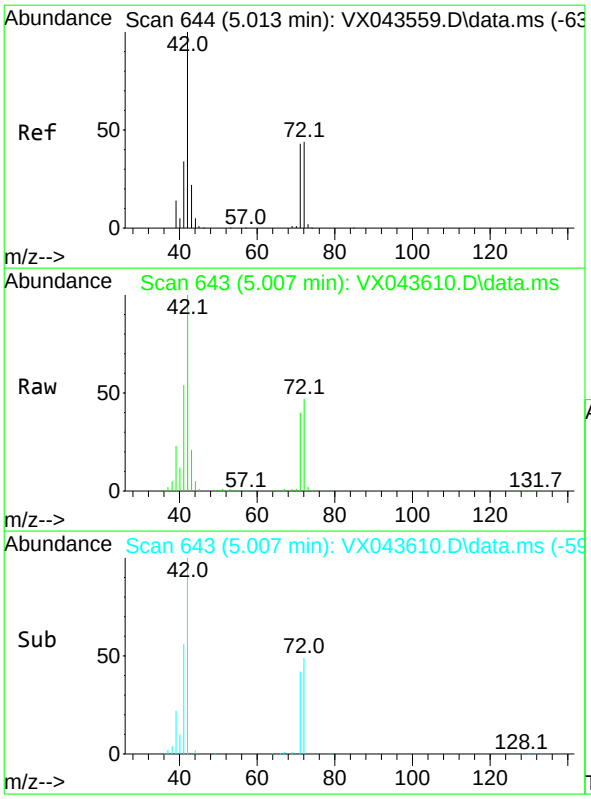


#28
Bromochloromethane
Concen: 50.892 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 49 Resp: 79972

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.6	67.8	101.8





#29
Tetrahydrofuran
Concen: 240.326 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

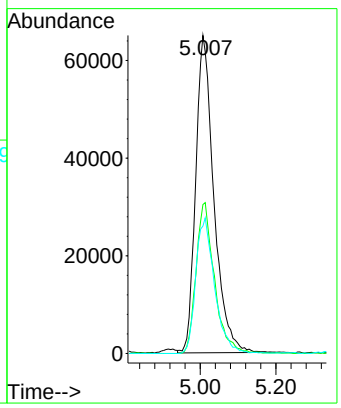
Tgt Ion: 42 Resp: 216487

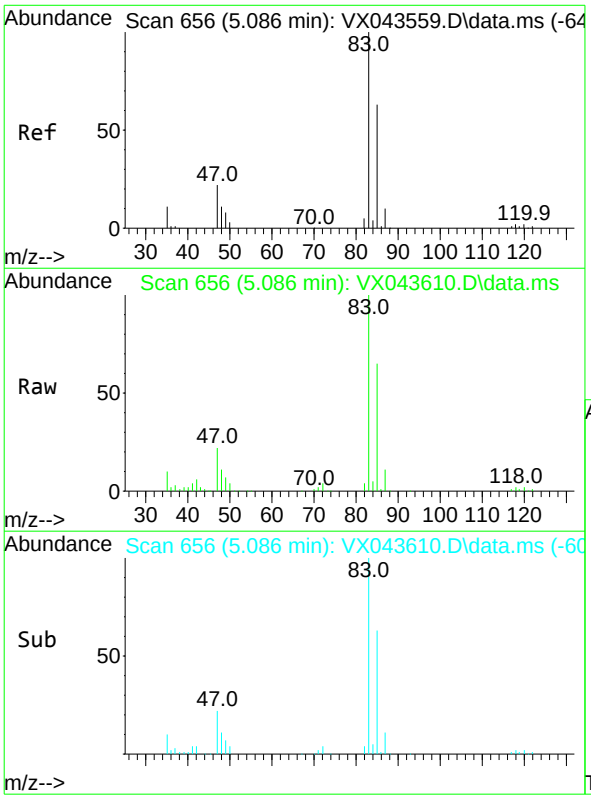
Ion	Ratio	Lower	Upper
42	100		
72	48.1	36.6	55.0
71	44.2	34.2	51.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

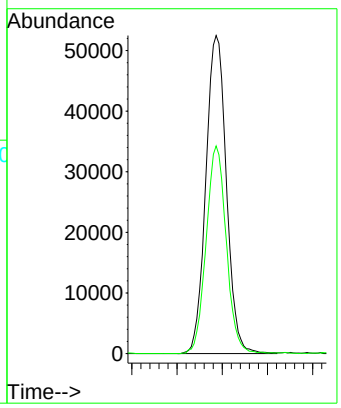


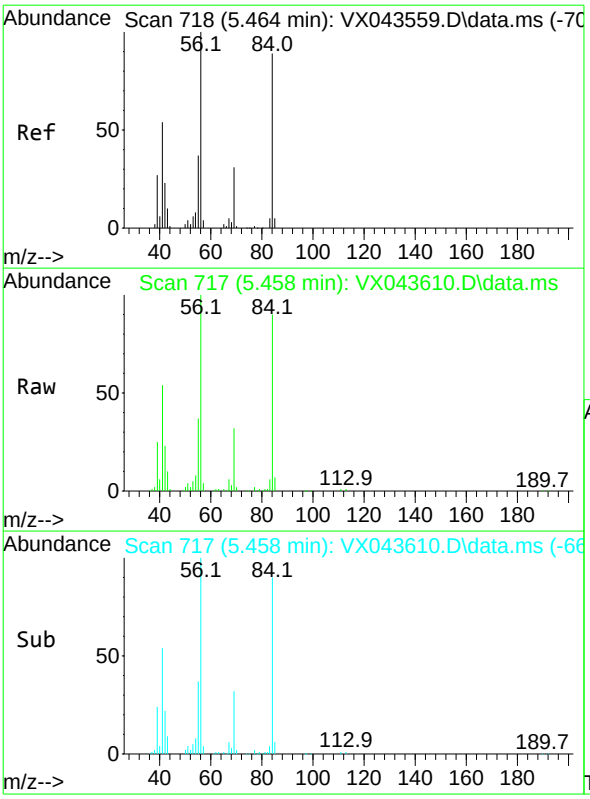


#30
Chloroform
Concen: 47.828 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 83 Resp: 165613

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4

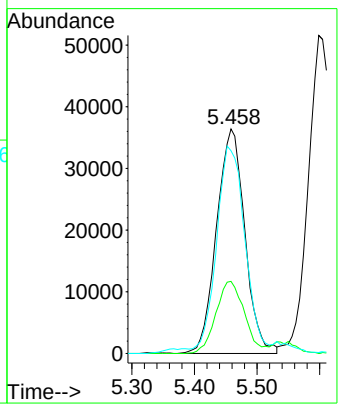




#31
Cyclohexane
Concen: 45.259 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 56 Resp: 114348

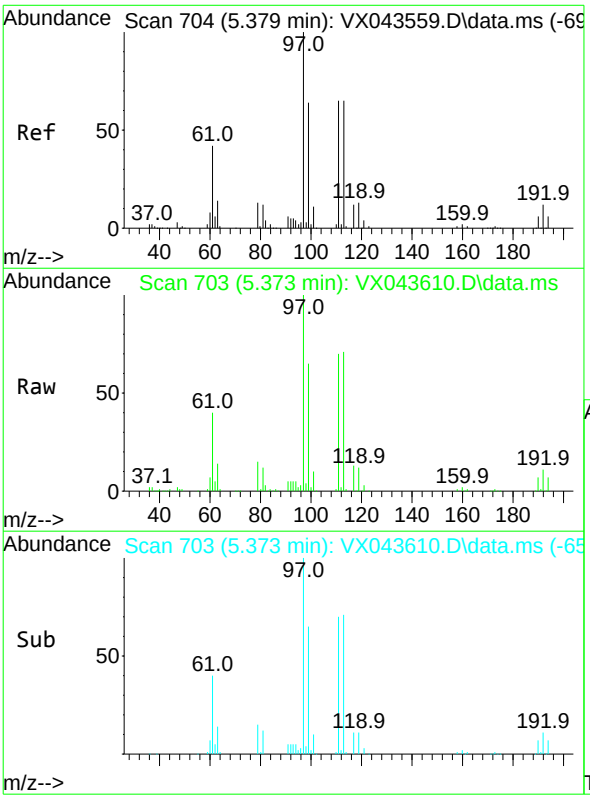
Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.9	37.3
84	88.5	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

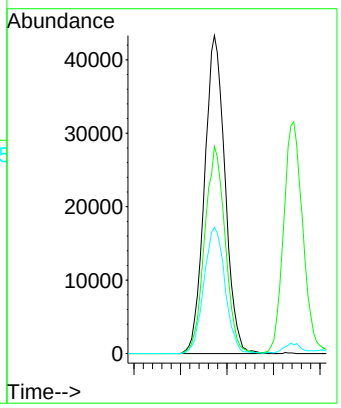
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

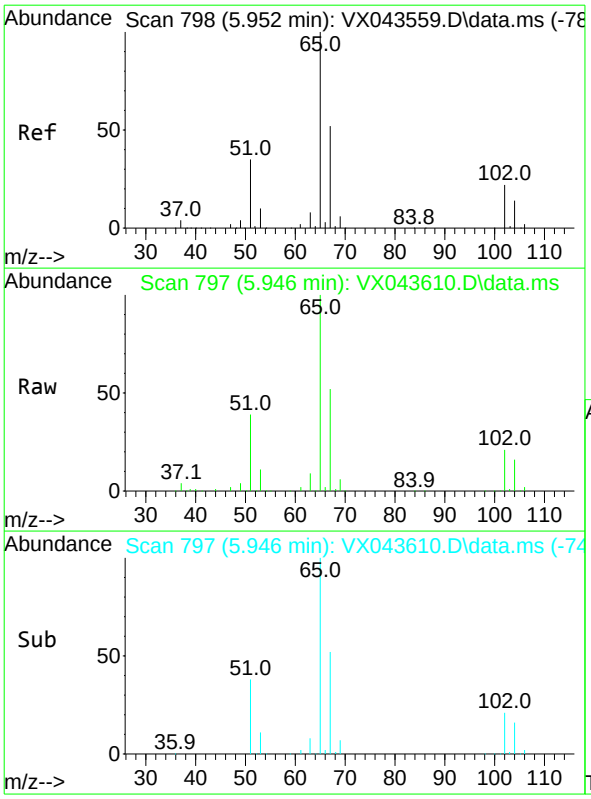


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 97 Resp: 132895

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	41.0	34.0	51.0

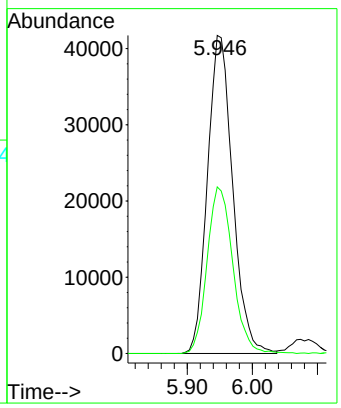




#33
1,2-Dichloroethane-d4
Concen: 46.889 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 65 Resp: 112202

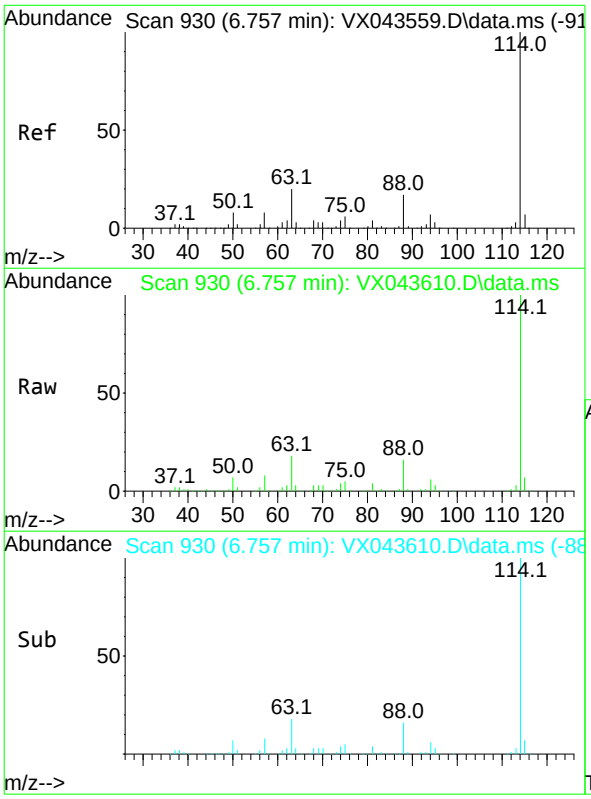
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

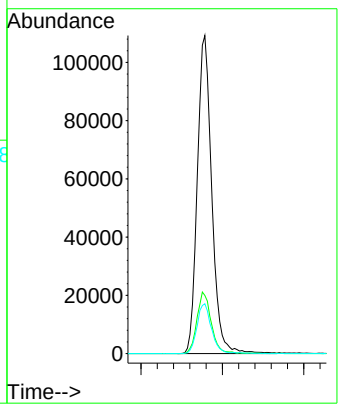
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

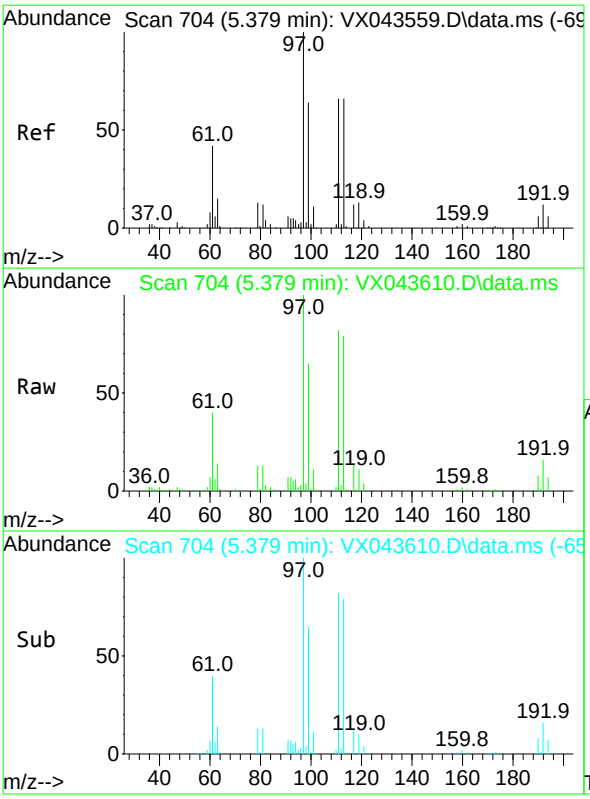


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:114 Resp: 269353

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	41.2
88	15.7	0.0	34.0

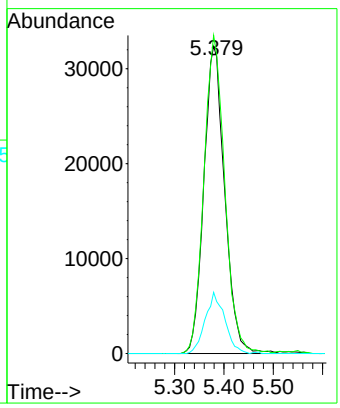




#35
Dibromofluoromethane
Concen: 51.966 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:113 Resp: 94915

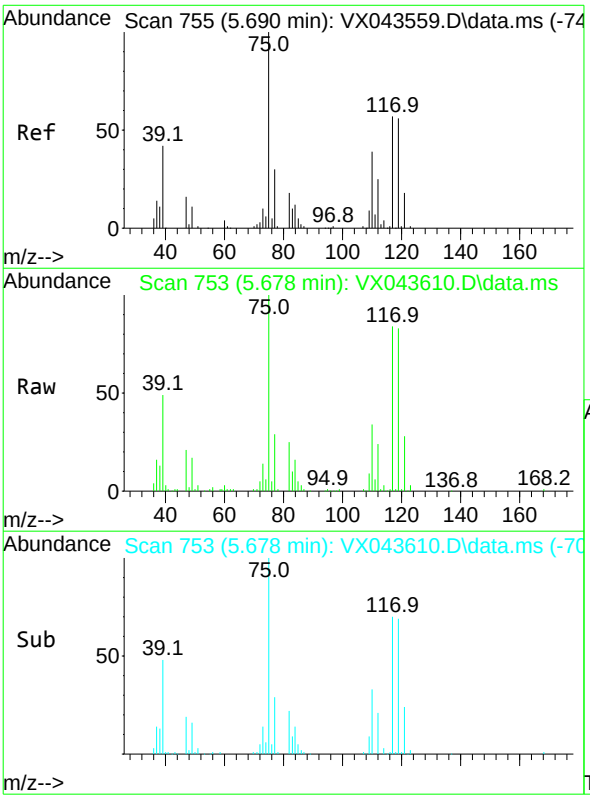
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.0
192	18.6	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

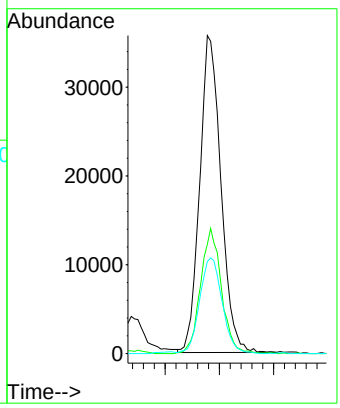
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

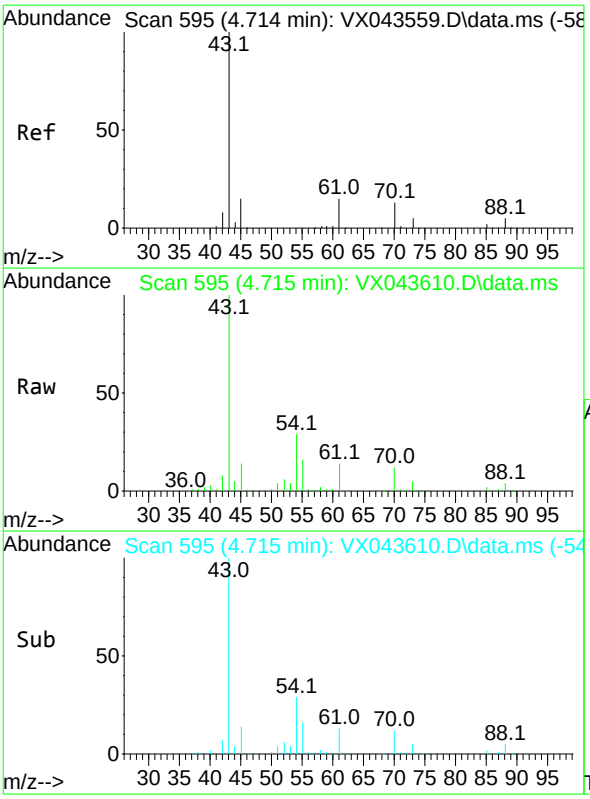


#36
1,1-Dichloropropene
Concen: 44.823 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 97077

Ion	Ratio	Lower	Upper
75	100		
110	38.7	17.9	53.7
77	32.0	25.0	37.4

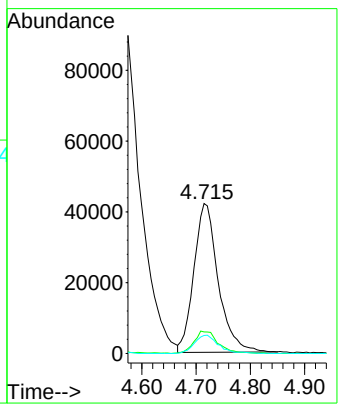




#37
Ethyl Acetate
Concen: 49.788 ug/l
RT: 4.715 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 130909

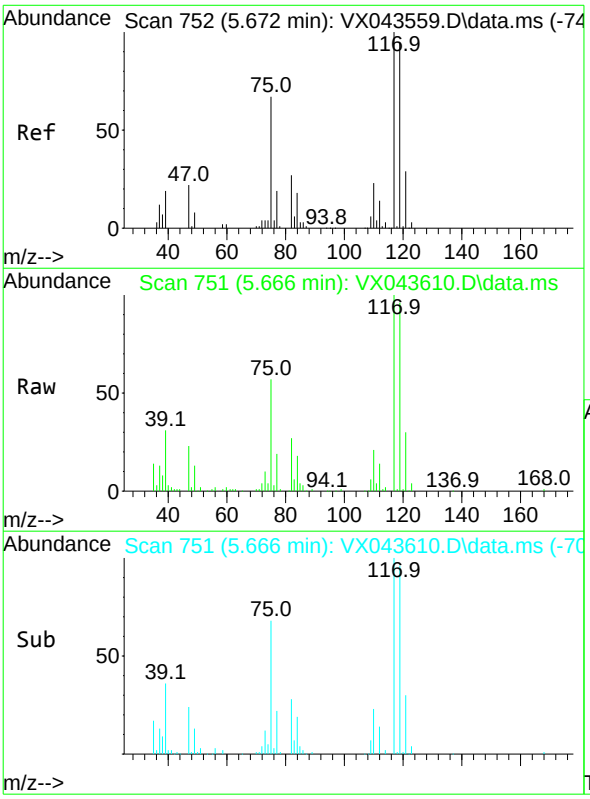
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.6
70	12.1	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

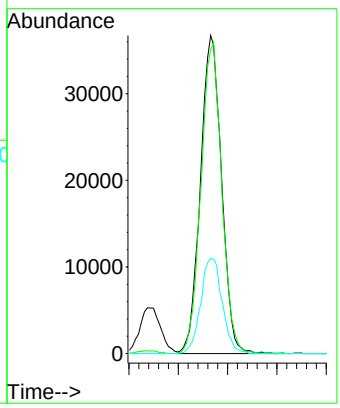
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

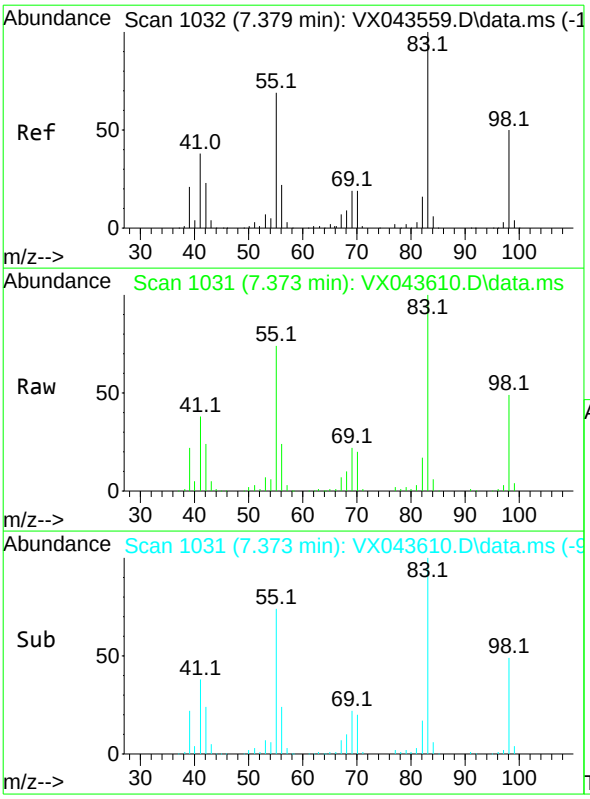


#38
Carbon Tetrachloride
Concen: 45.579 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:117 Resp: 109072

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.6
121	29.9	24.7	37.1

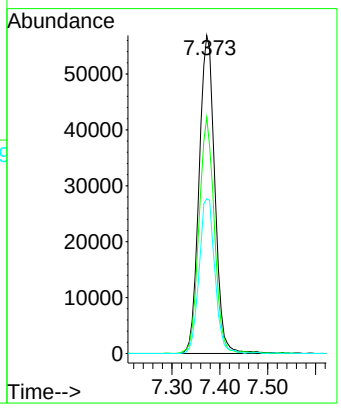




#39
Methylcyclohexane
Concen: 48.163 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 83 Resp: 129506

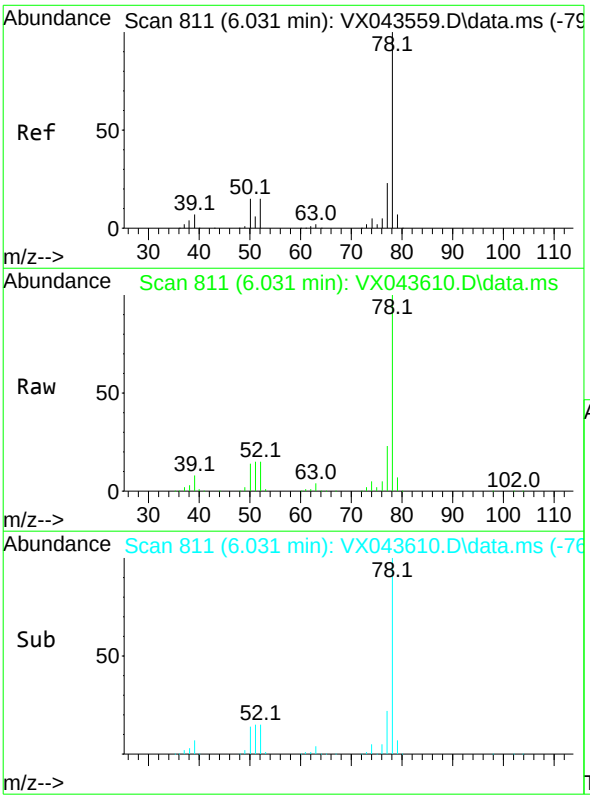
Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.9	89.9
98	48.6	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

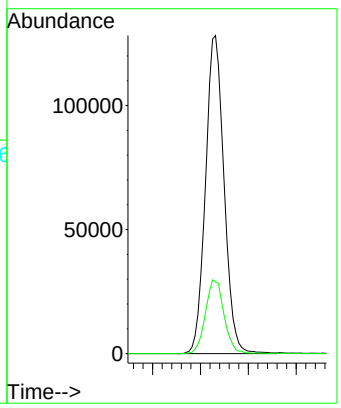
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

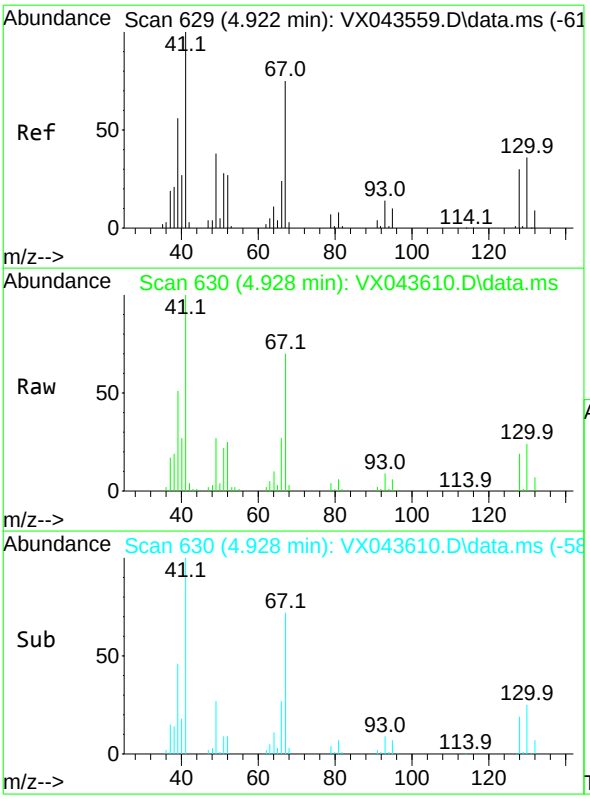


#40
Benzene
Concen: 47.728 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 78 Resp: 344839

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.4	27.6

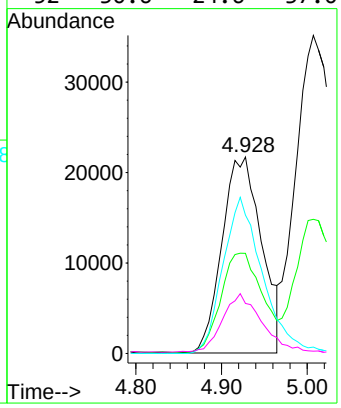




#41
Methacrylonitrile
Concen: 50.543 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 41 Resp: 69757

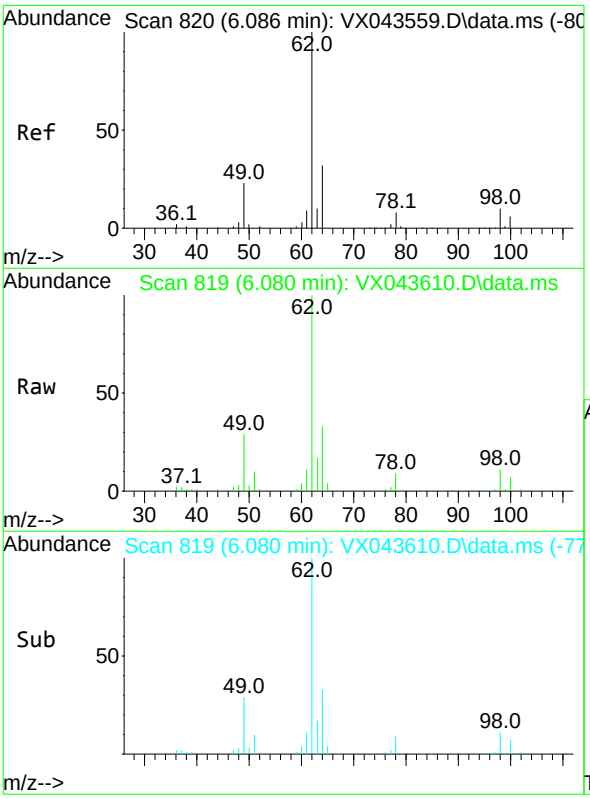
Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.5	65.3
67	79.9	58.3	87.5
52	30.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

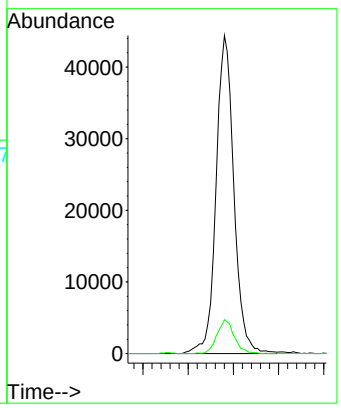
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

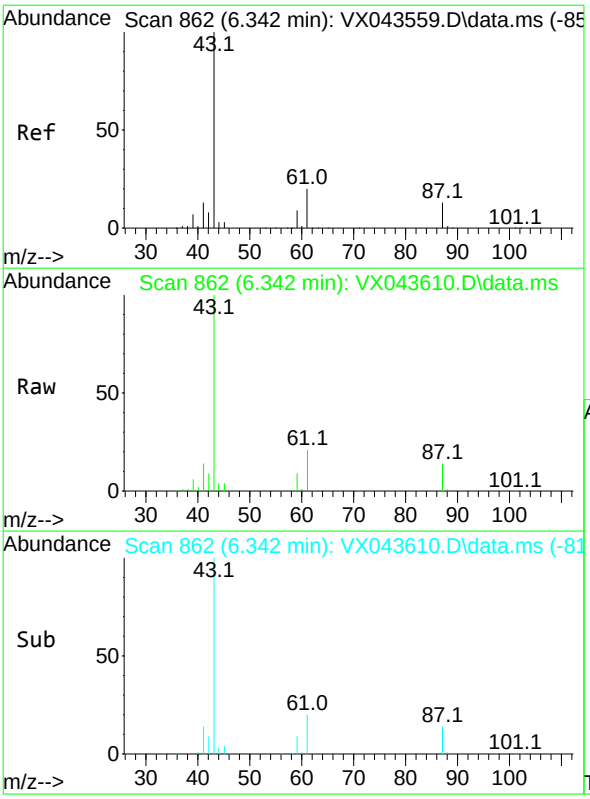


#42
1,2-Dichloroethane
Concen: 46.758 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 62 Resp: 121452

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8

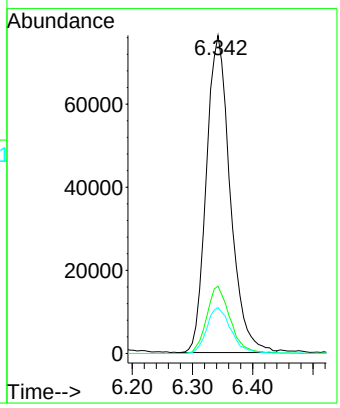




#43
Isopropyl Acetate
Concen: 48.146 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 209353

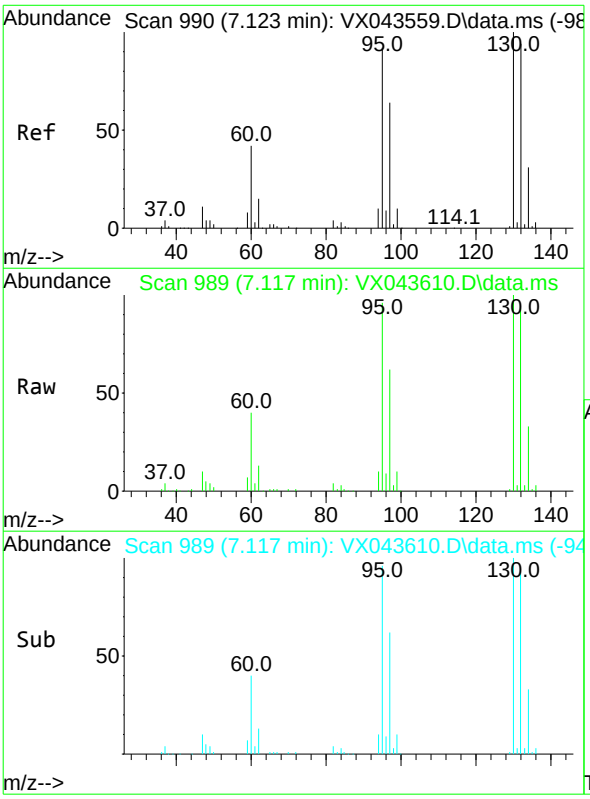
Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.2	24.4
87	14.8	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

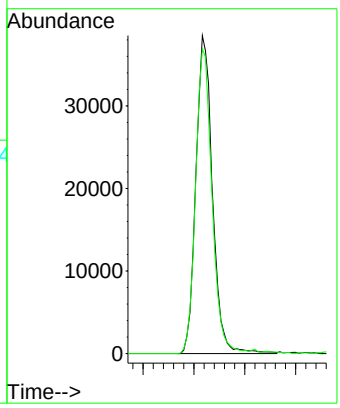
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

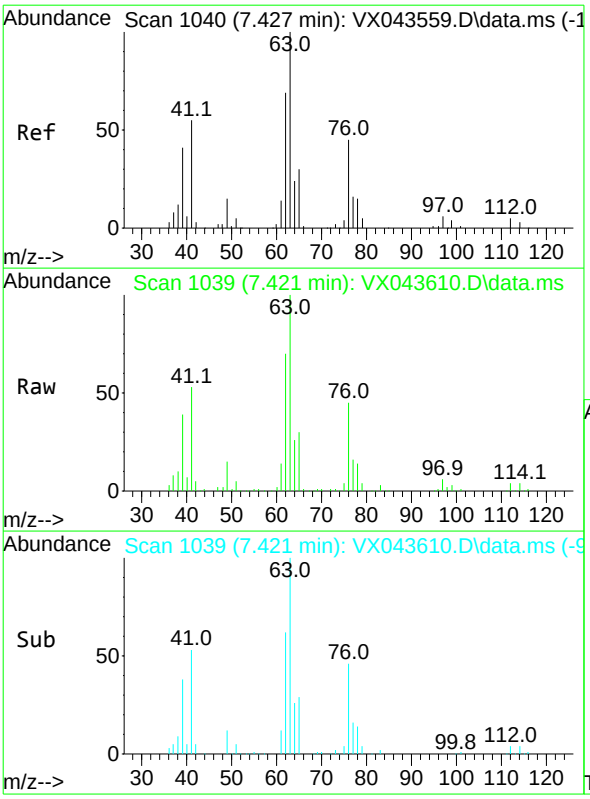


#44
Trichloroethene
Concen: 48.479 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:130 Resp: 87016

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	202.6

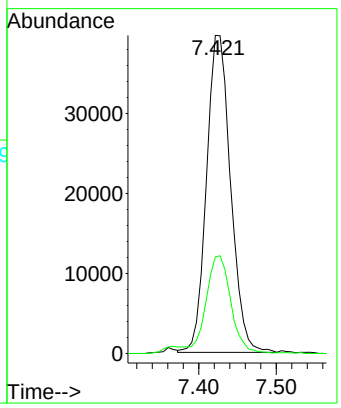




#45
1,2-Dichloropropane
Concen: 48.156 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 63 Resp: 85671

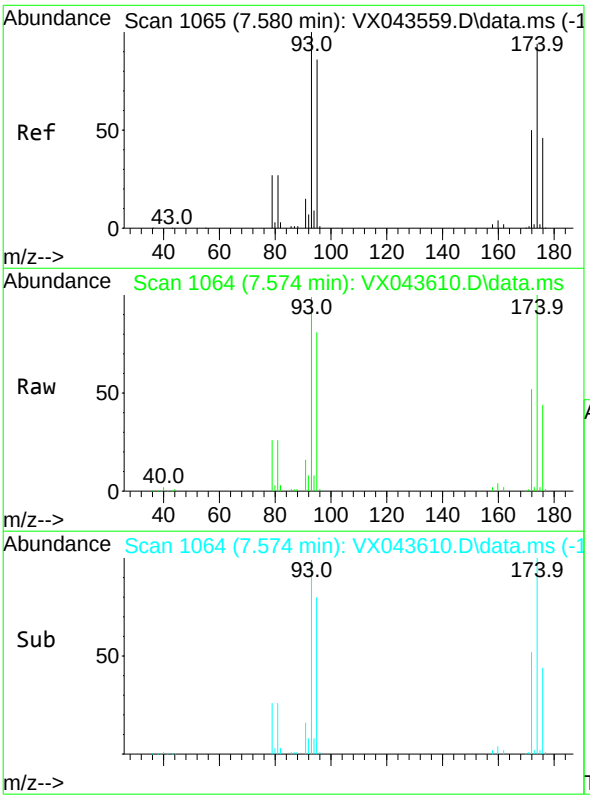
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

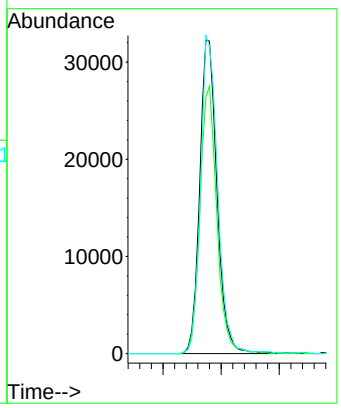
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

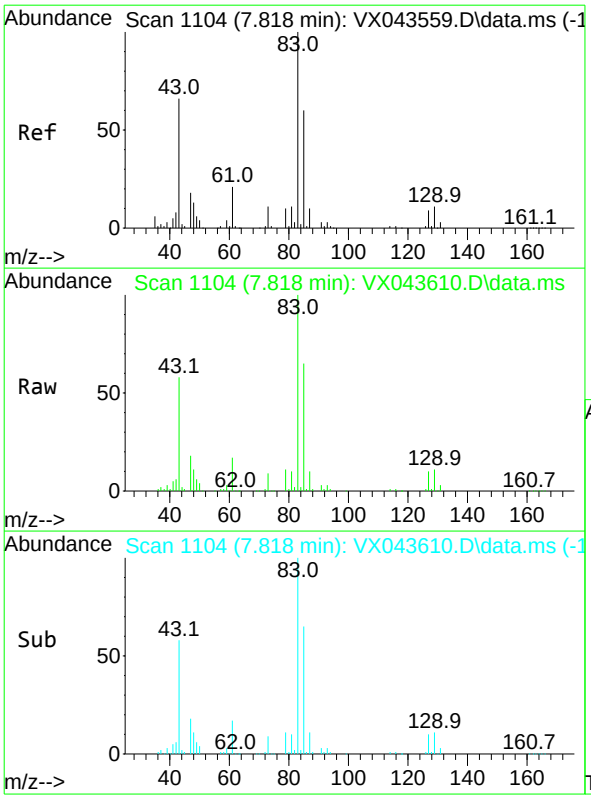


#46
Dibromomethane
Concen: 48.673 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 93 Resp: 66672

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.4	99.6
174	99.9	75.0	112.4

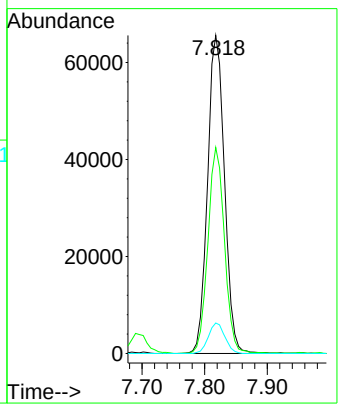




#47
Bromodichloromethane
Concen: 51.242 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 83 Resp: 123136

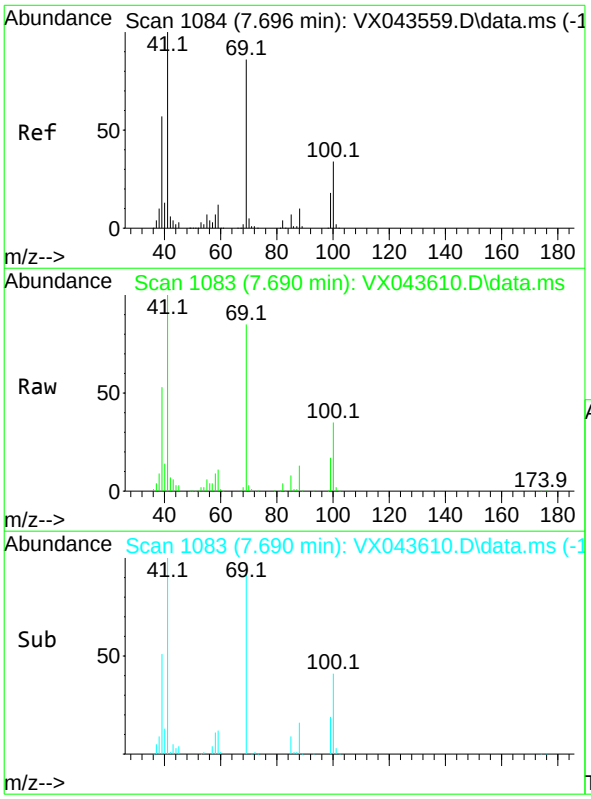
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4
127	9.6	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

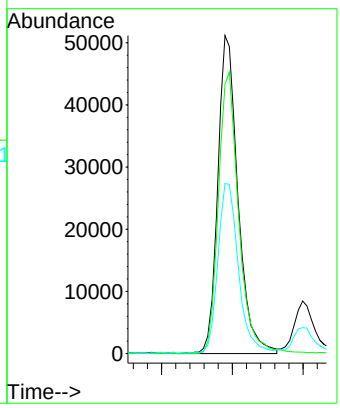
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

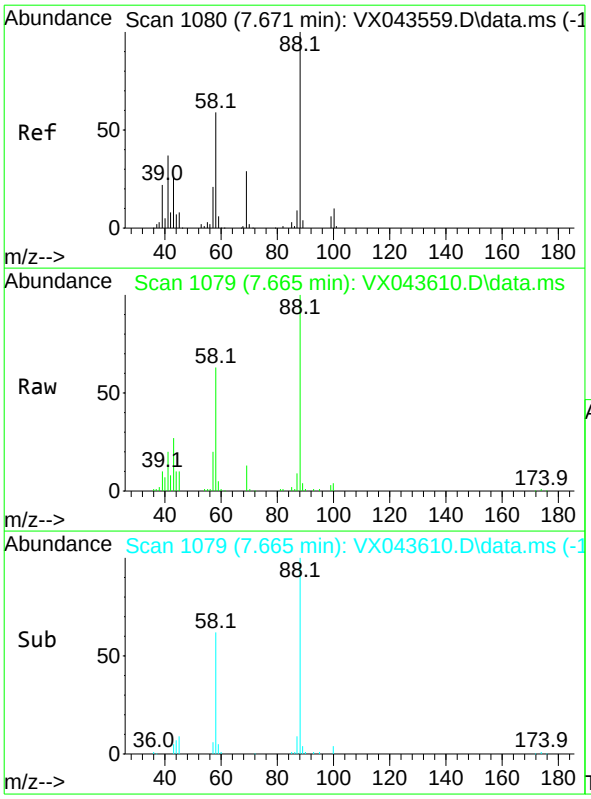


#48
Methyl methacrylate
Concen: 49.127 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 41 Resp: 101279

Ion	Ratio	Lower	Upper
41	100		
69	89.0	67.7	101.5
39	53.7	46.3	69.5





#49
1,4-Dioxane
Concen: 828.559 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

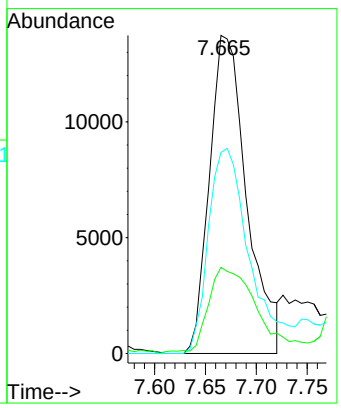
Tgt Ion: 88 Resp: 35094

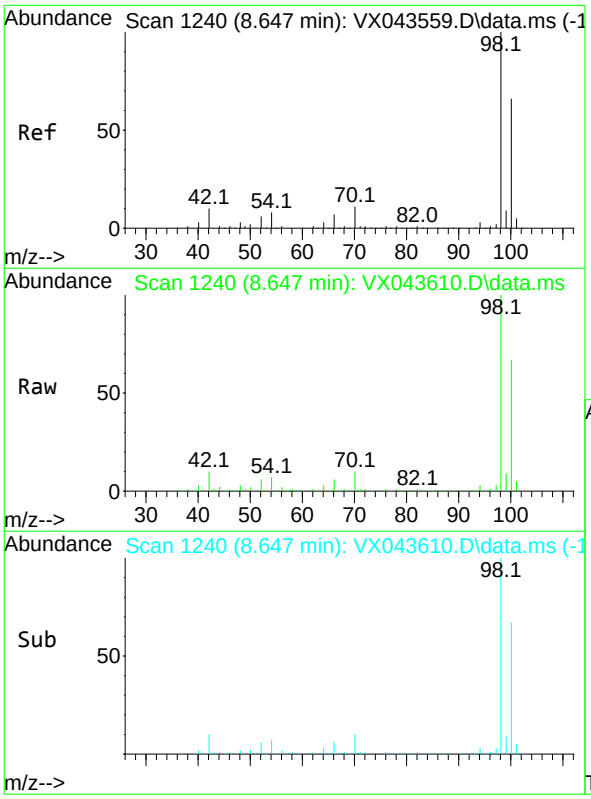
Ion	Ratio	Lower	Upper
88	100		
43	36.0	25.3	37.9
58	72.1	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

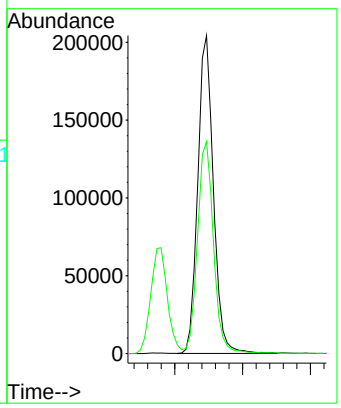


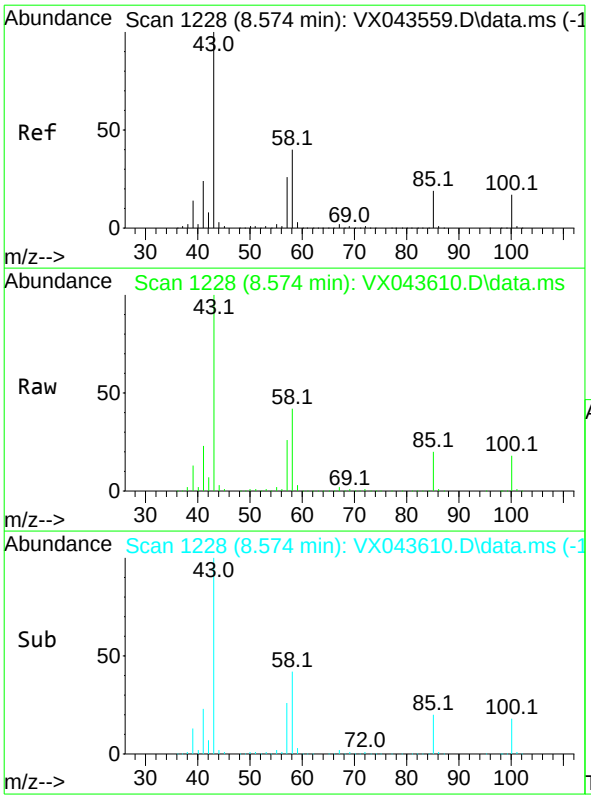


#50
Toluene-d8
Concen: 51.692 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 98 Resp: 326824

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.4	80.2

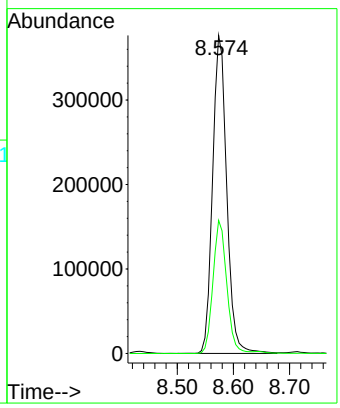




#51
4-Methyl-2-Pentanone
Concen: 248.002 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 657274

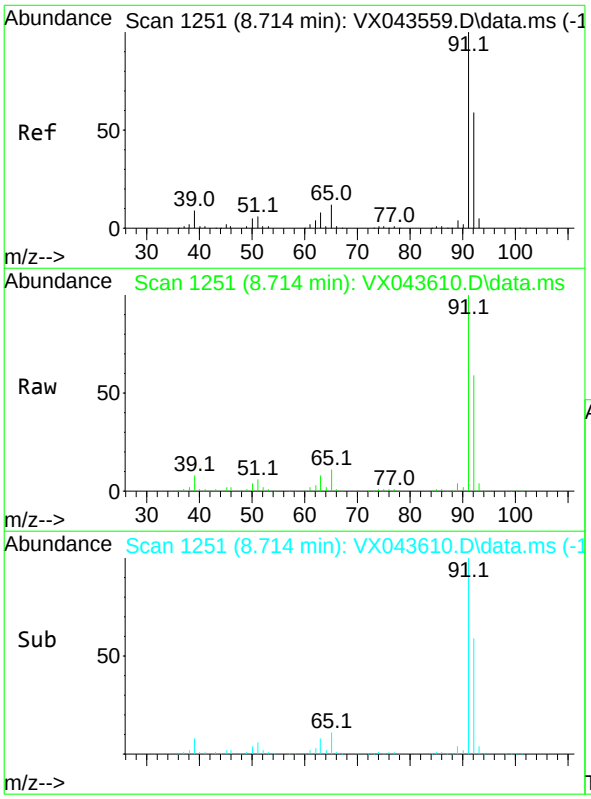
Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

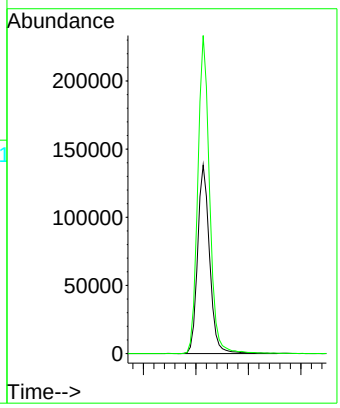
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

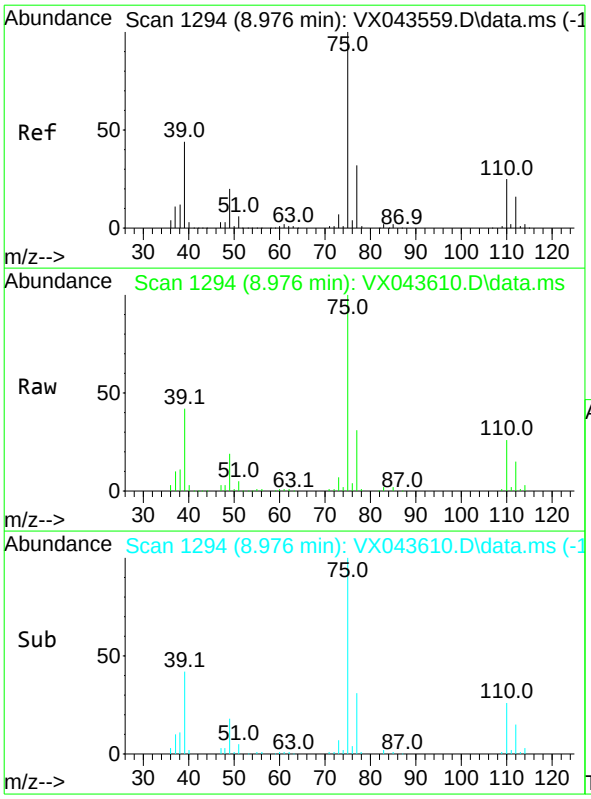


#52
Toluene
Concen: 49.912 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 92 Resp: 218703

Ion	Ratio	Lower	Upper
92	100		
91	166.1	135.7	203.5

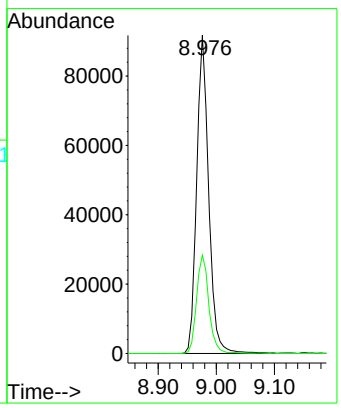




#53
t-1,3-Dichloropropene
Concen: 50.985 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 131592

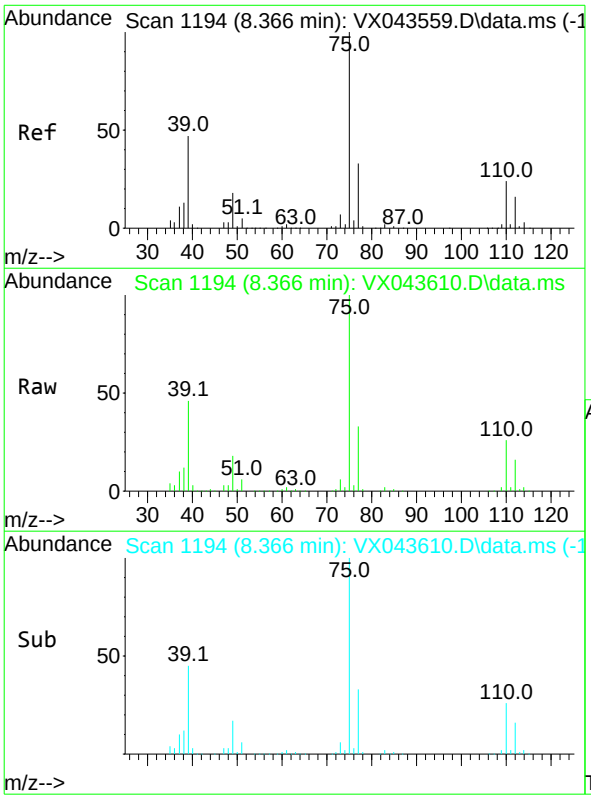
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

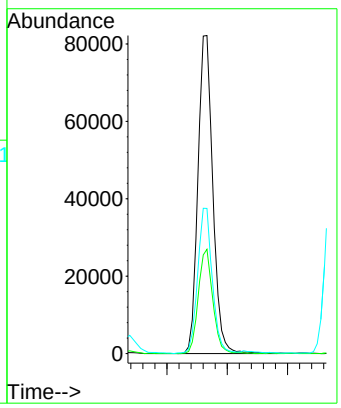
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

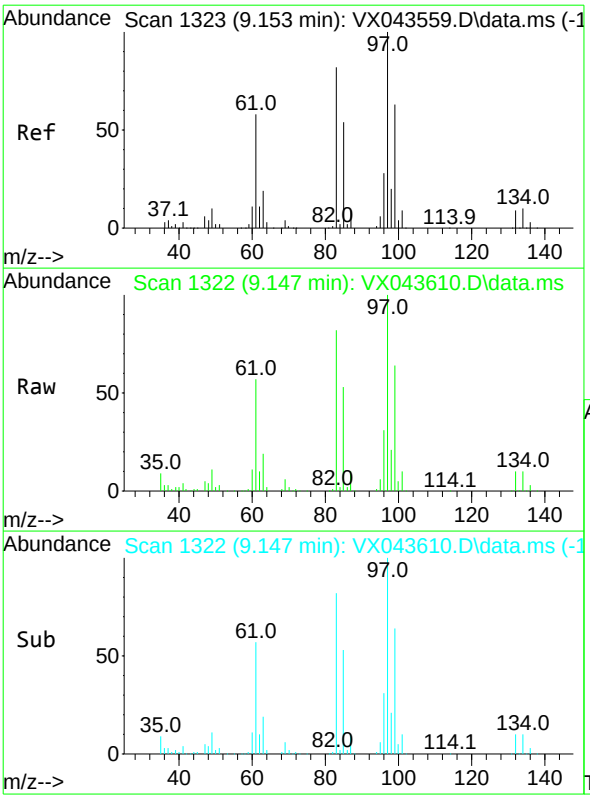


#54
cis-1,3-Dichloropropene
Concen: 51.333 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 141165

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.8	37.2
39	45.4	37.7	56.5

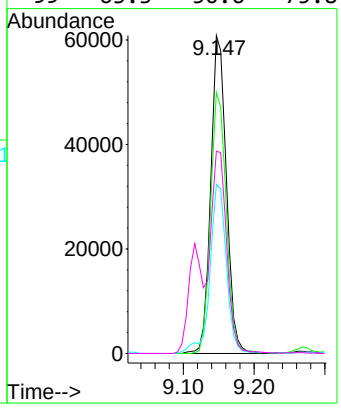




#55
1,1,2-Trichloroethane
Concen: 51.241 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 97 Resp: 93459

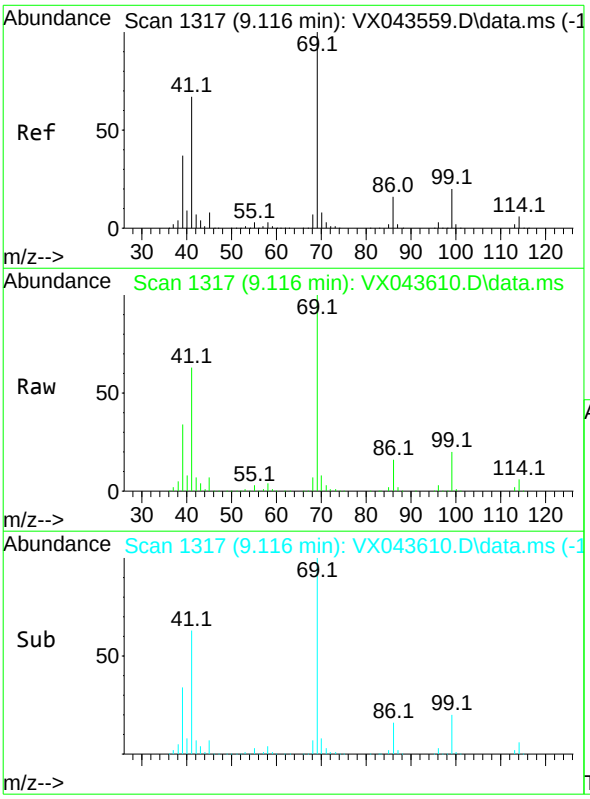
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.3	100.9
85	53.1	43.6	65.4
99	63.3	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

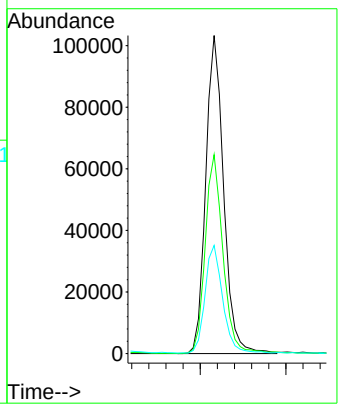
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

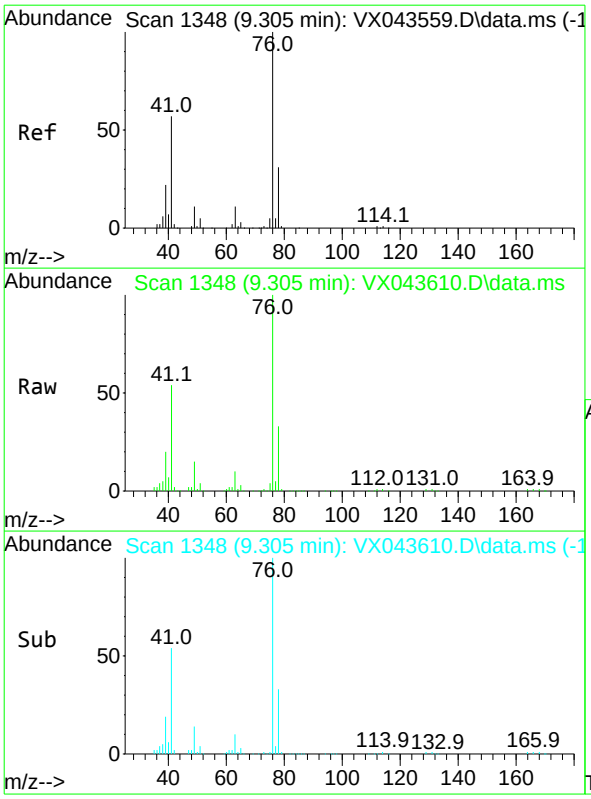


#56
Ethyl methacrylate
Concen: 50.517 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 69 Resp: 149715

Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.8	80.8
39	33.3	29.9	44.9

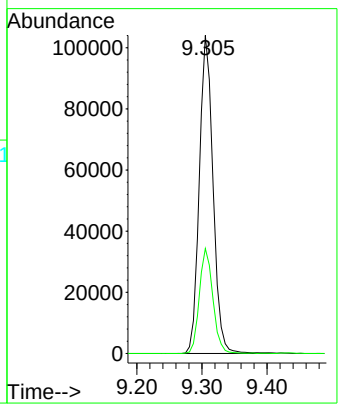




#57
1,3-Dichloropropane
Concen: 50.209 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 76 Resp: 152310

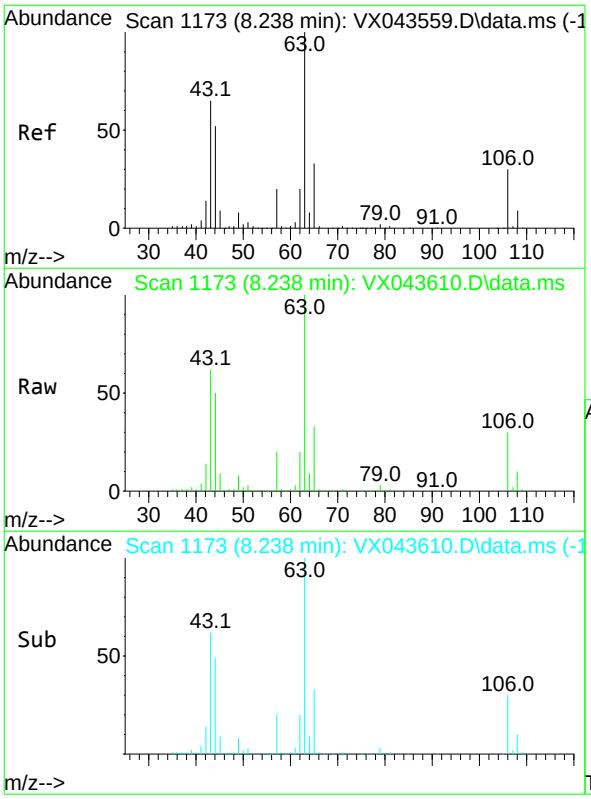
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

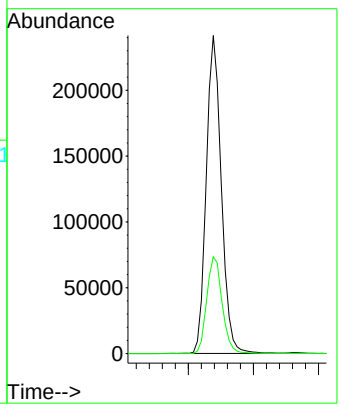
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

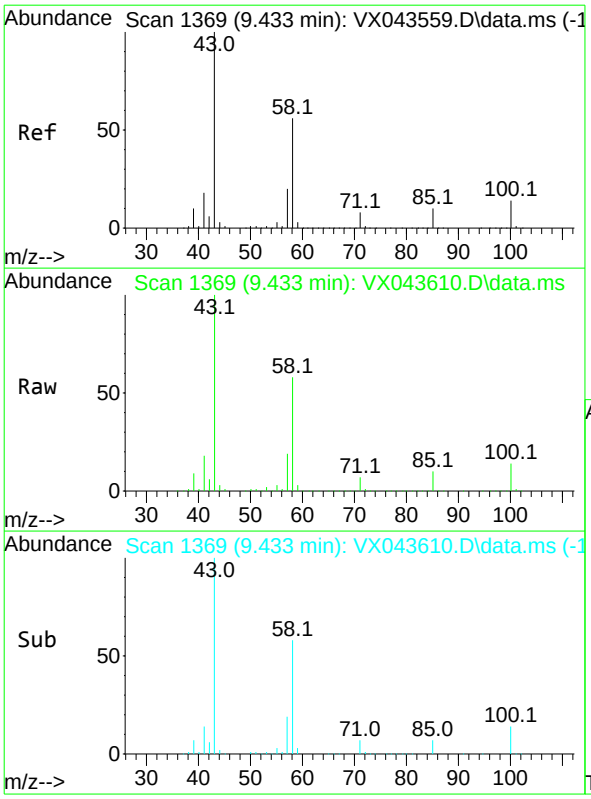


#58
2-Chloroethyl Vinyl ether
Concen: 269.768 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 63 Resp: 387207

Ion	Ratio	Lower	Upper
63	100		
106	31.2	23.6	35.4

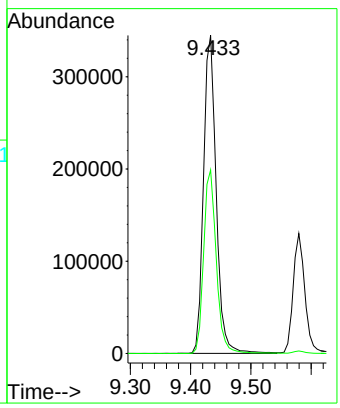




#59
2-Hexanone
Concen: 249.695 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 502607

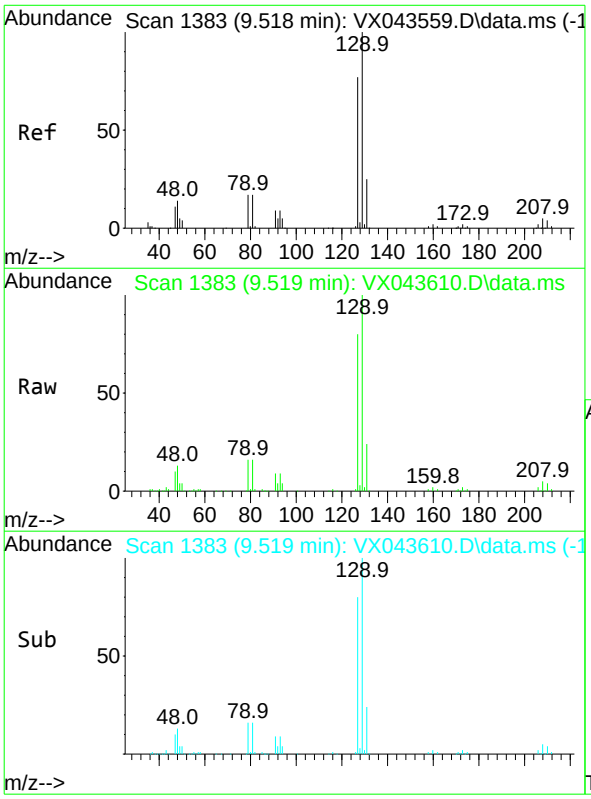
Ion	Ratio	Lower	Upper
43	100		
58	57.7	27.5	82.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

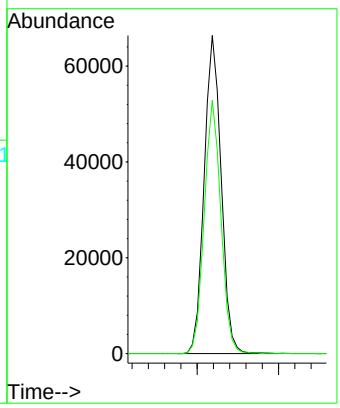
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

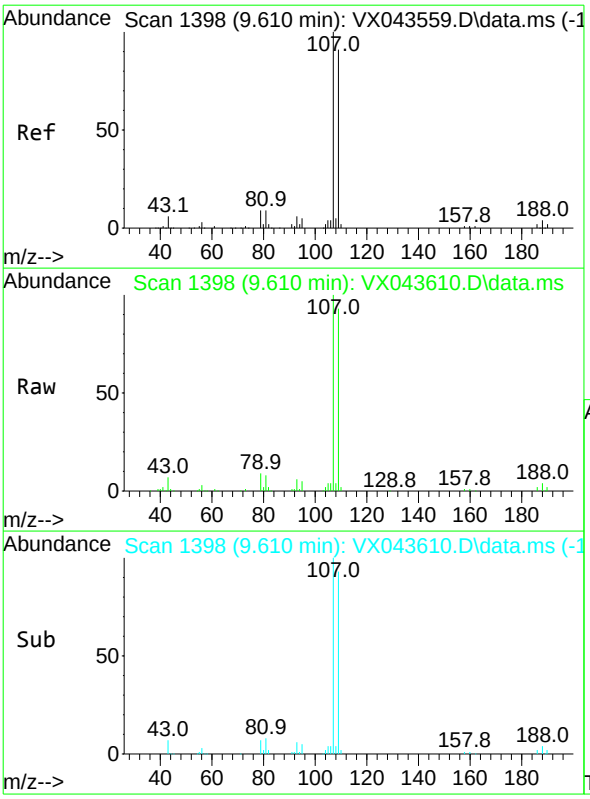


#60
Dibromochloromethane
Concen: 53.286 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:129 Resp: 96239

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.1

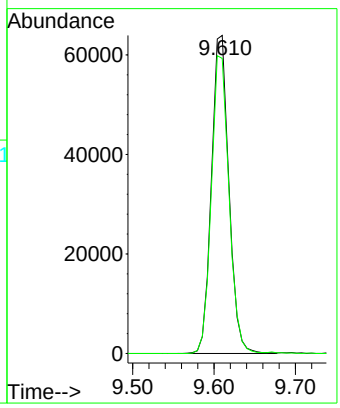




#61
1,2-Dibromoethane
Concen: 50.325 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:107 Resp: 95281

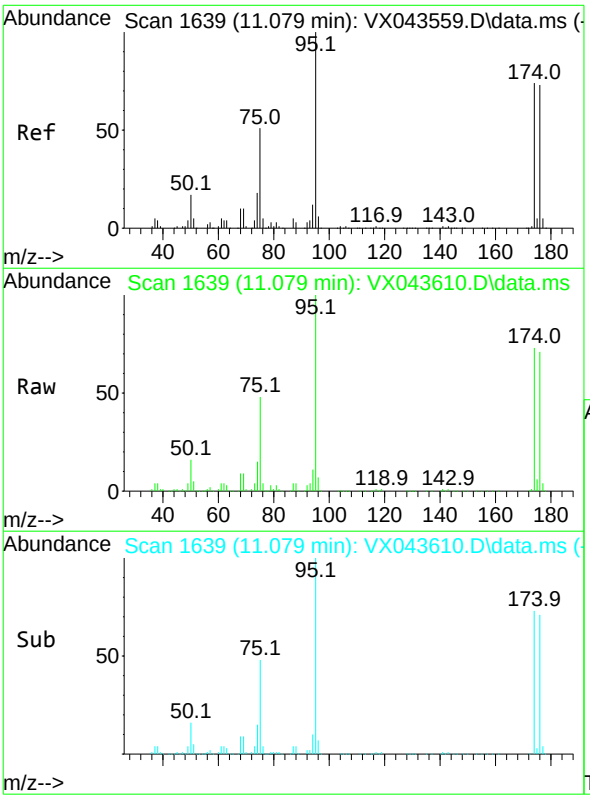
Ion	Ratio	Lower	Upper
107	100		
109	94.7	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

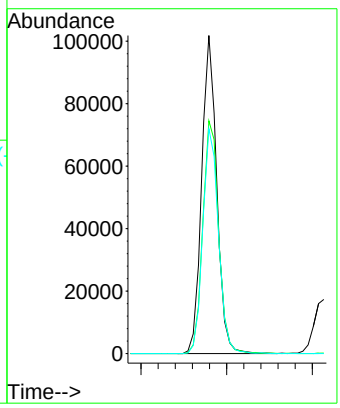
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

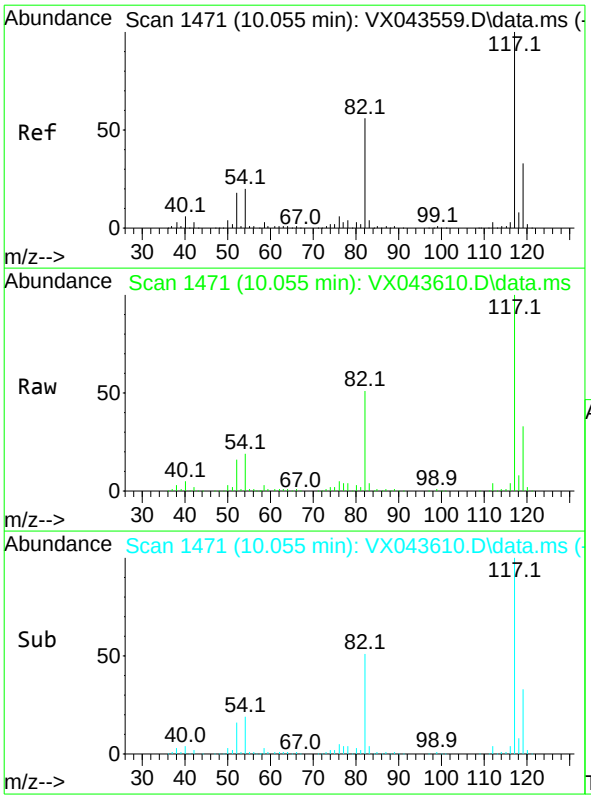


#62
4-Bromofluorobenzene
Concen: 53.067 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 95 Resp: 124327

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	146.6
176	73.5	0.0	139.6

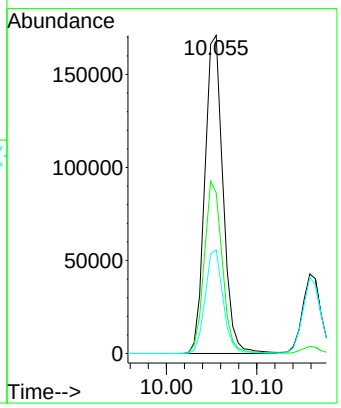




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:117 Resp: 239151

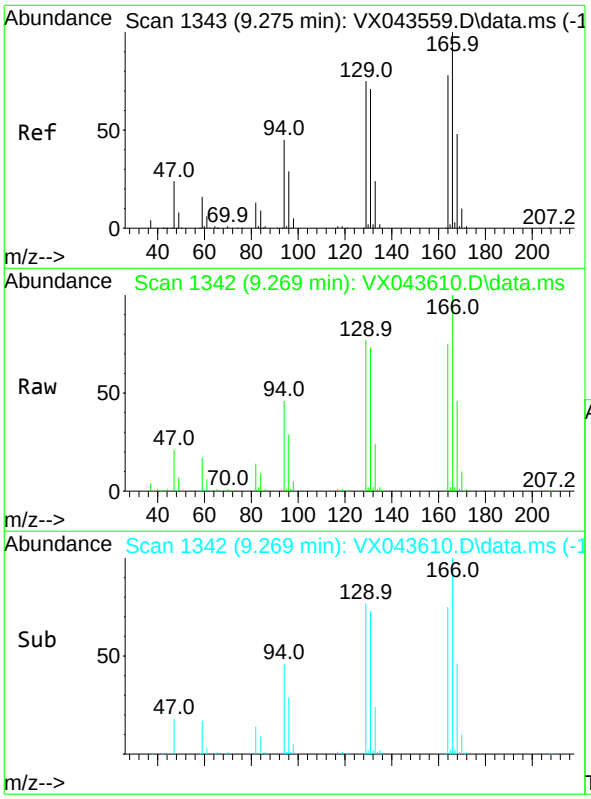
Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.1	63.1
119	32.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

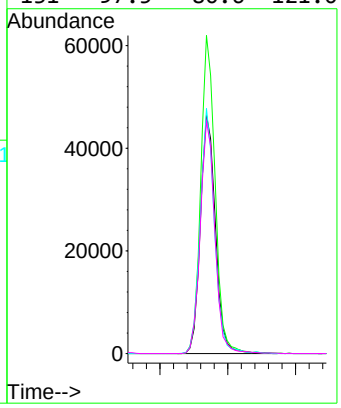
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

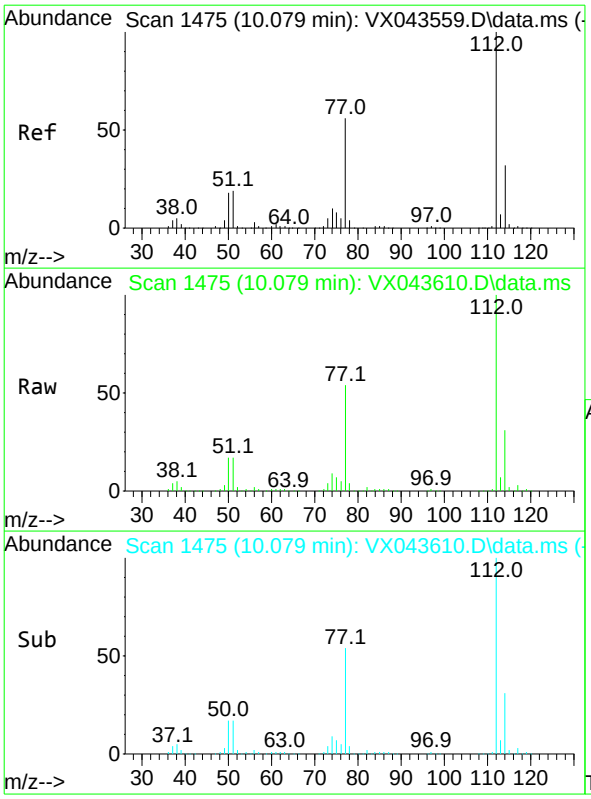


#64
Tetrachloroethene
Concen: 47.505 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:164 Resp: 71453

Ion	Ratio	Lower	Upper
164	100		
166	133.4	103.8	155.6
129	102.8	83.8	125.6
131	97.5	80.6	121.0

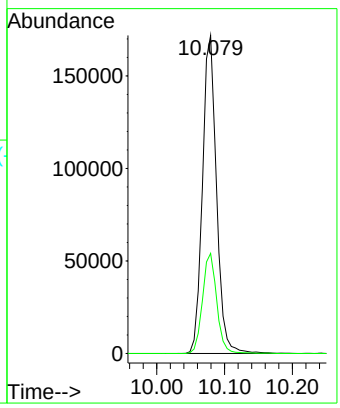




#65
Chlorobenzene
Concen: 47.976 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:112 Resp: 246845

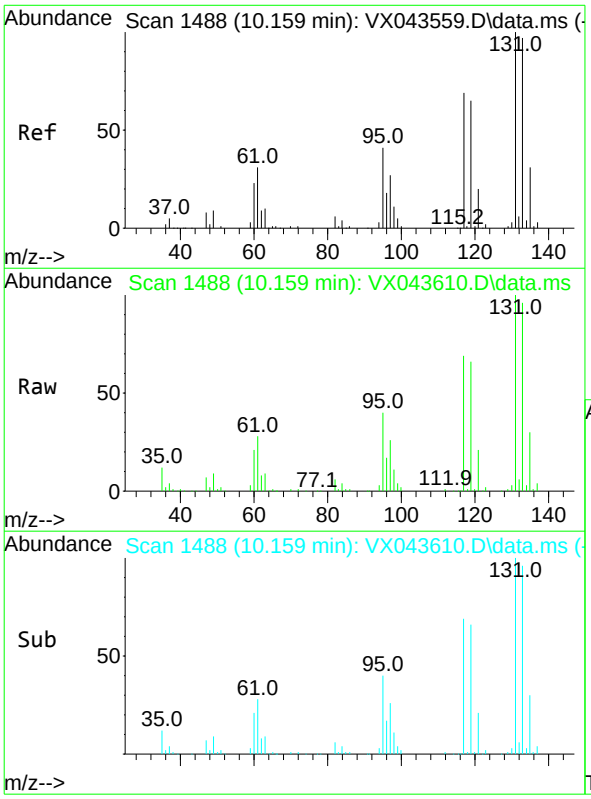
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

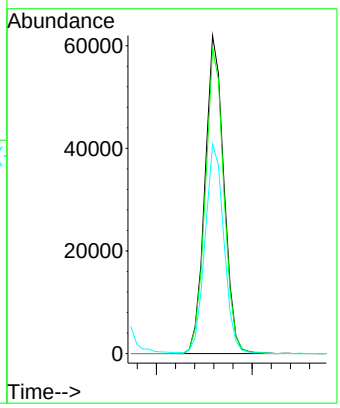
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

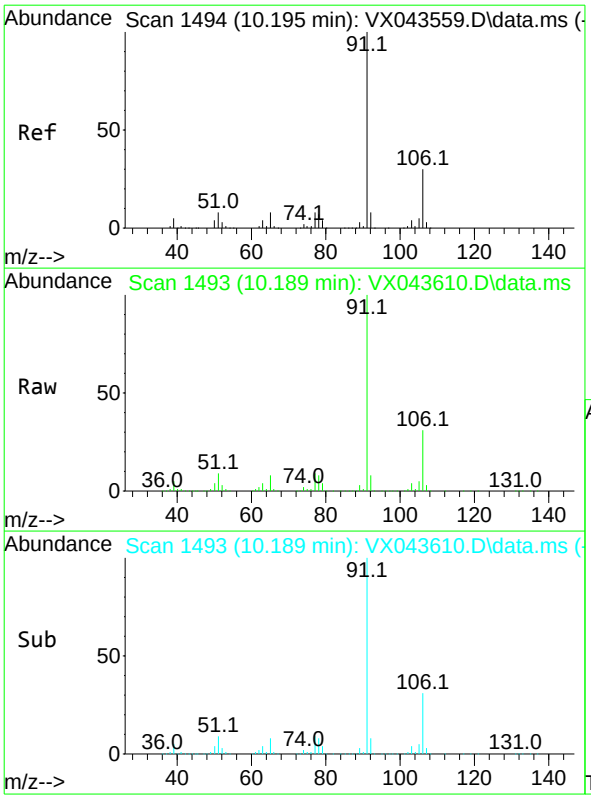


#66
1,1,1,2-Tetrachloroethane
Concen: 50.433 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:131 Resp: 84757

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.0	144.0
119	66.2	32.3	96.9

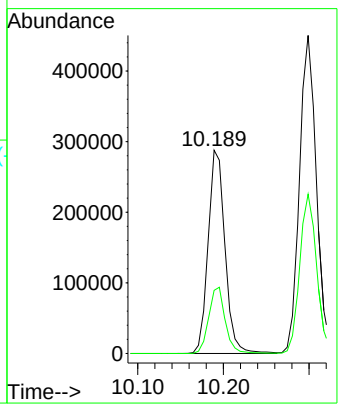




#67
Ethyl Benzene
Concen: 47.008 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 394382

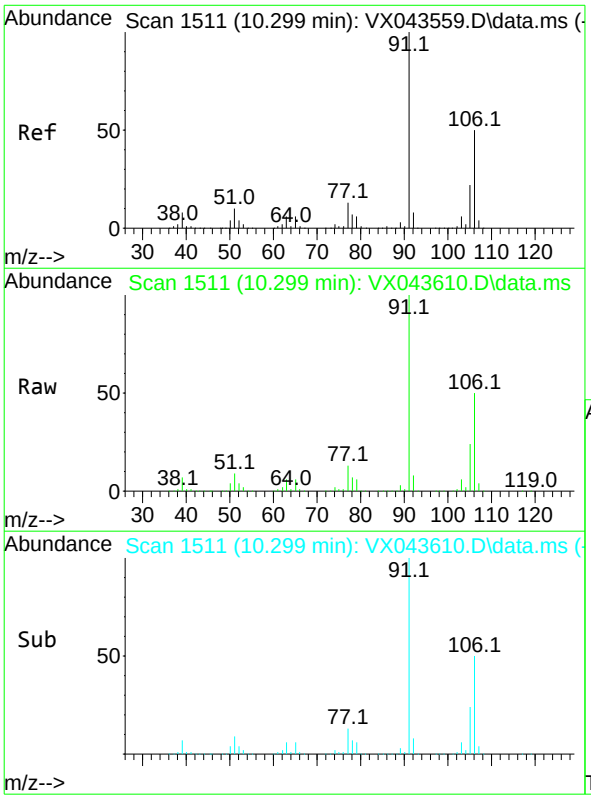
Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

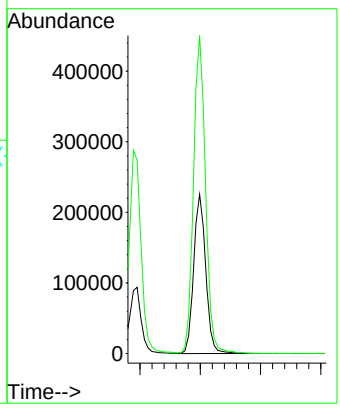
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

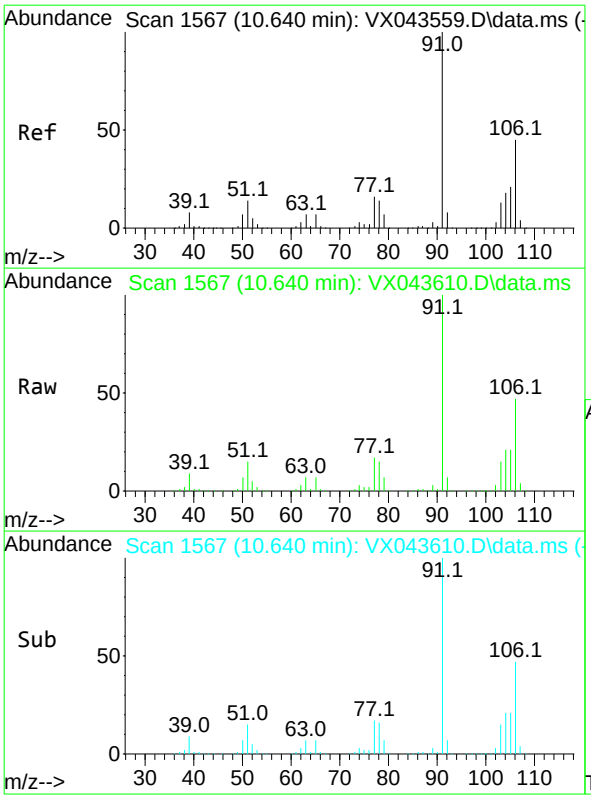


#68
m/p-Xylenes
Concen: 97.427 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:106 Resp: 312586

Ion	Ratio	Lower	Upper
106	100		
91	199.5	164.7	247.1

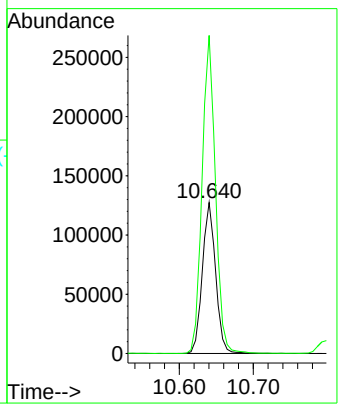




#69
o-Xylene
Concen: 49.288 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:106 Resp: 158887

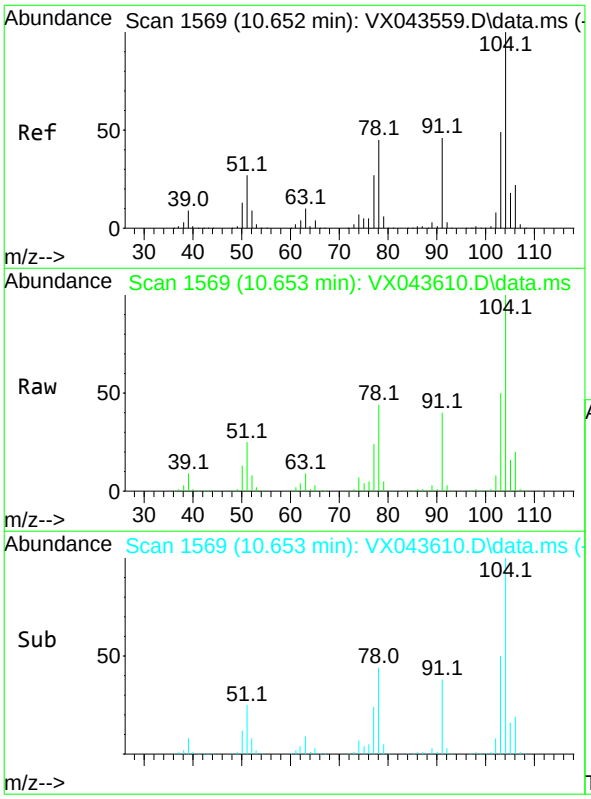
Ion	Ratio	Lower	Upper
106	100		
91	211.2	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

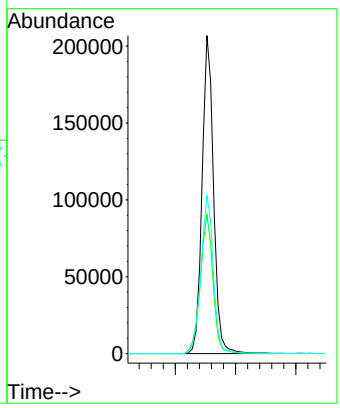
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

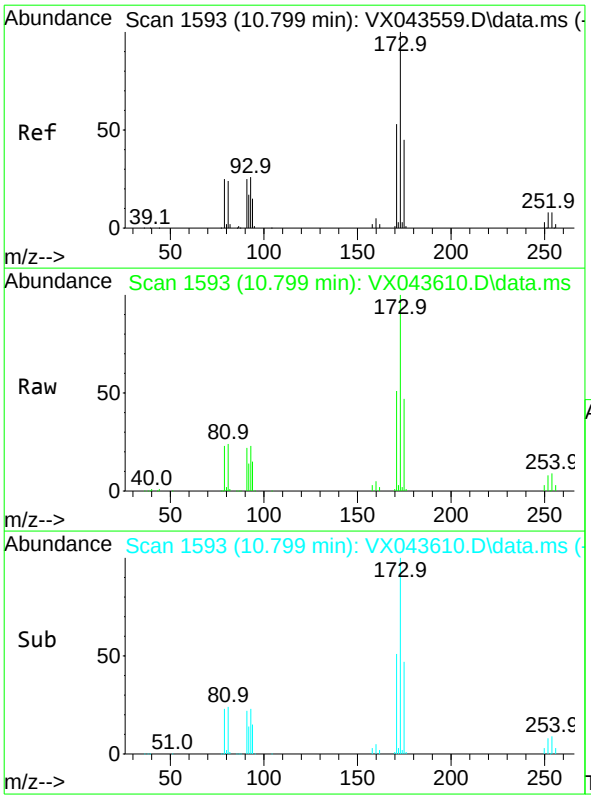


#70
Styrene
Concen: 50.882 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:104 Resp: 272620

Ion	Ratio	Lower	Upper
104	100		
78	48.4	40.0	60.0
103	53.8	43.4	65.0

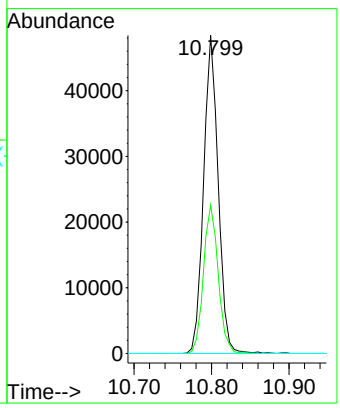




#71
Bromoform
Concen: 52.344 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:173 Resp: 63250

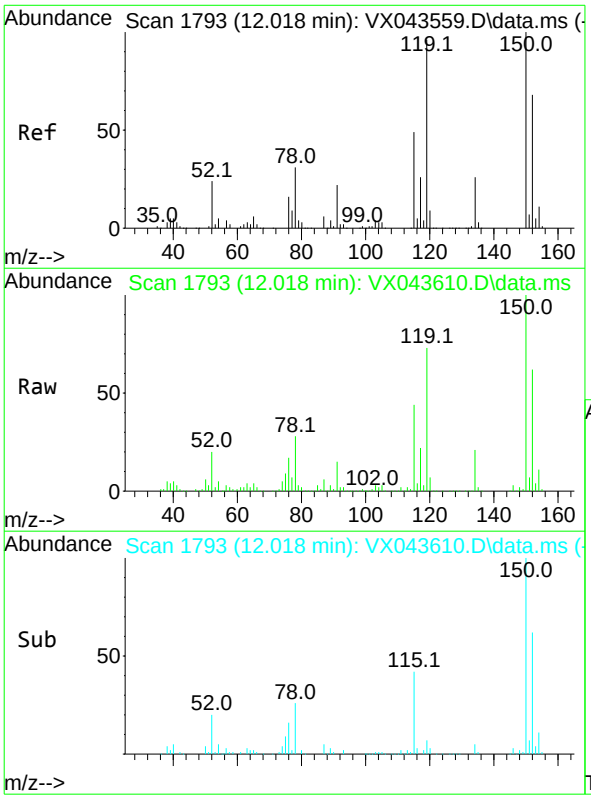
Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

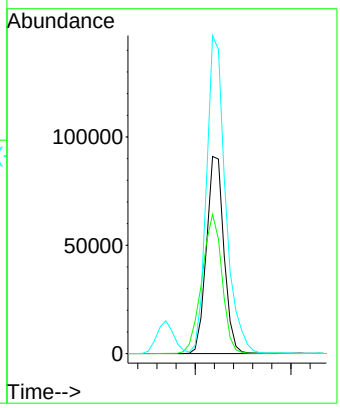
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

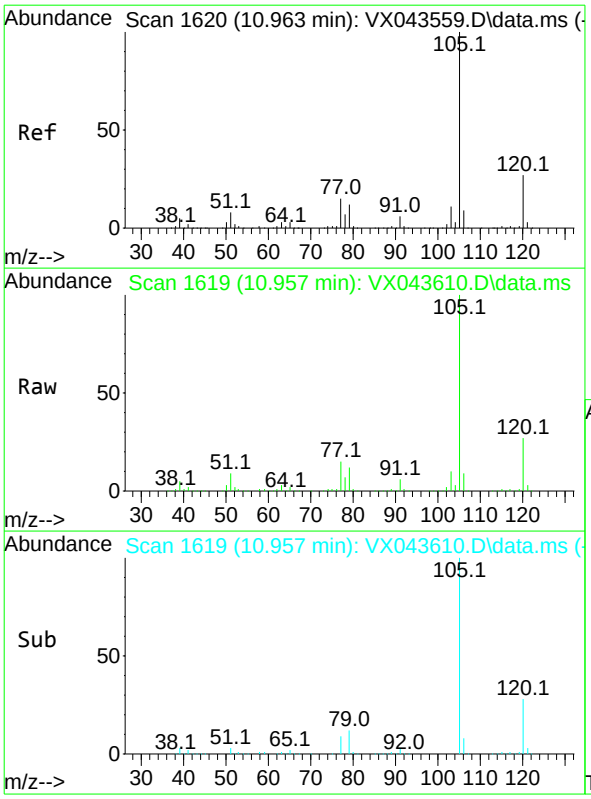


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:152 Resp: 115673

Ion	Ratio	Lower	Upper
152	100		
115	81.1	42.9	128.7
150	174.3	0.0	343.6

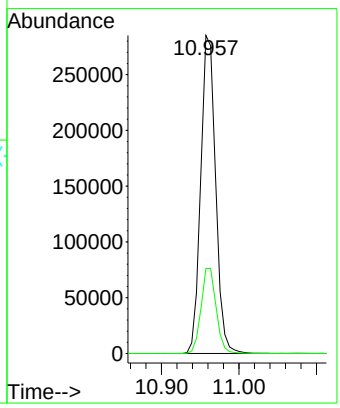




#73
Isopropylbenzene
Concen: 46.585 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:105 Resp: 381714

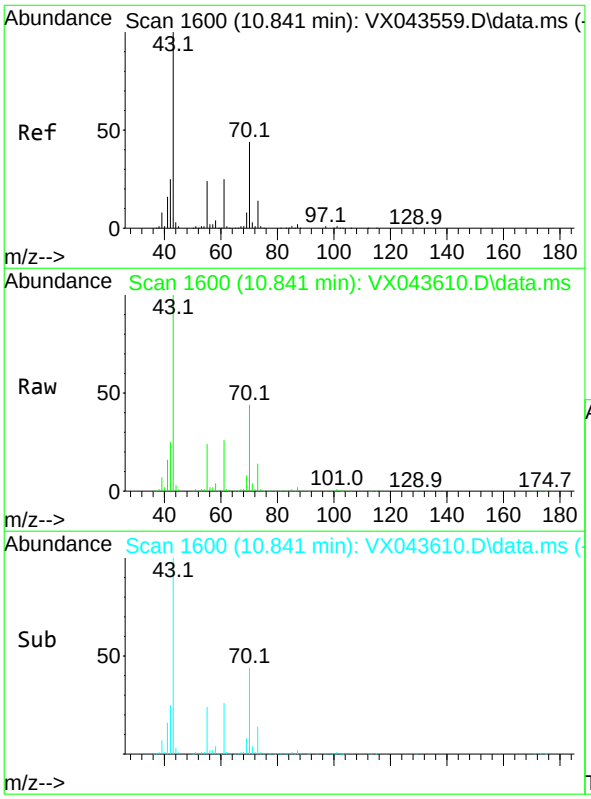
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

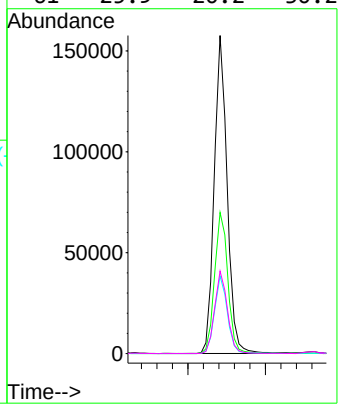
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

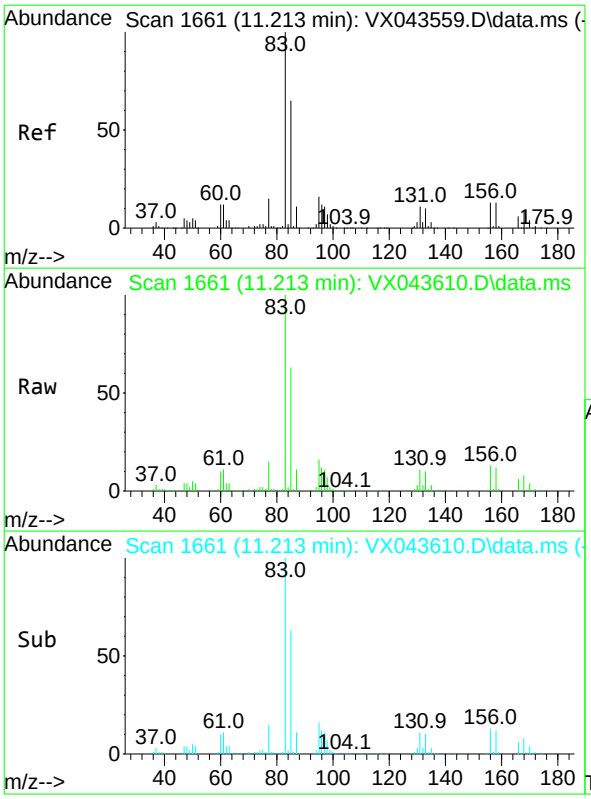


#74
N-amyl acetate
Concen: 45.729 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 182532

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.6	52.0
55	24.4	19.6	29.4
61	25.9	20.2	30.2

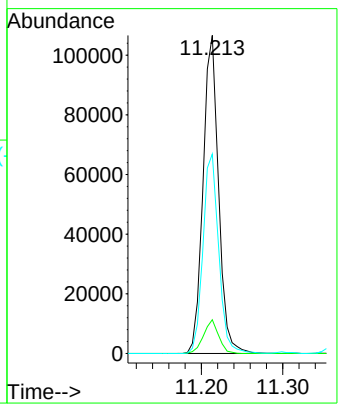




#75
1,1,2,2-Tetrachloroethane
Concen: 47.900 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 83 Resp: 141135

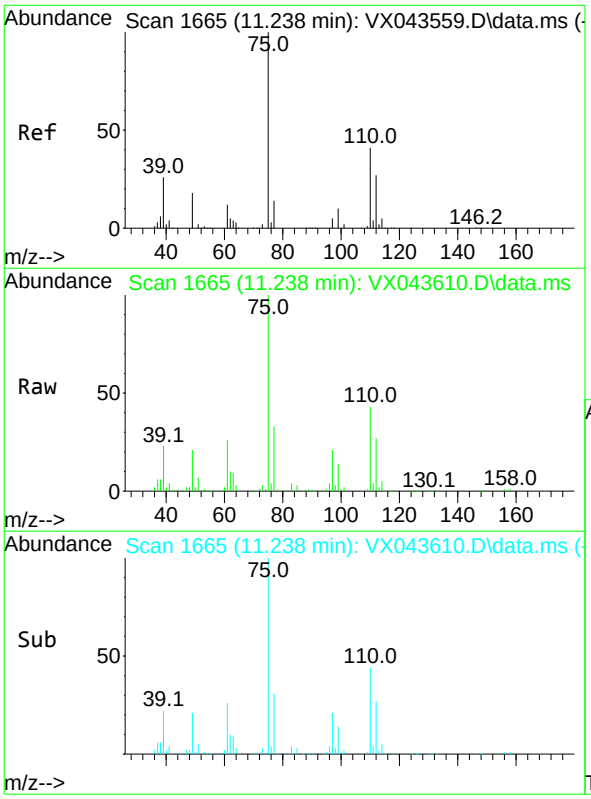
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	63.6	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

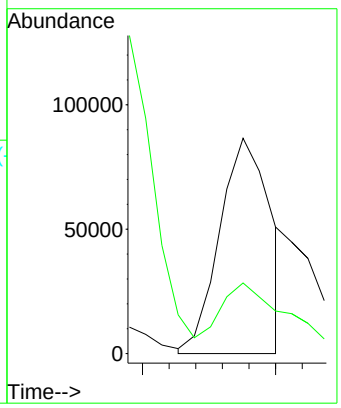
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

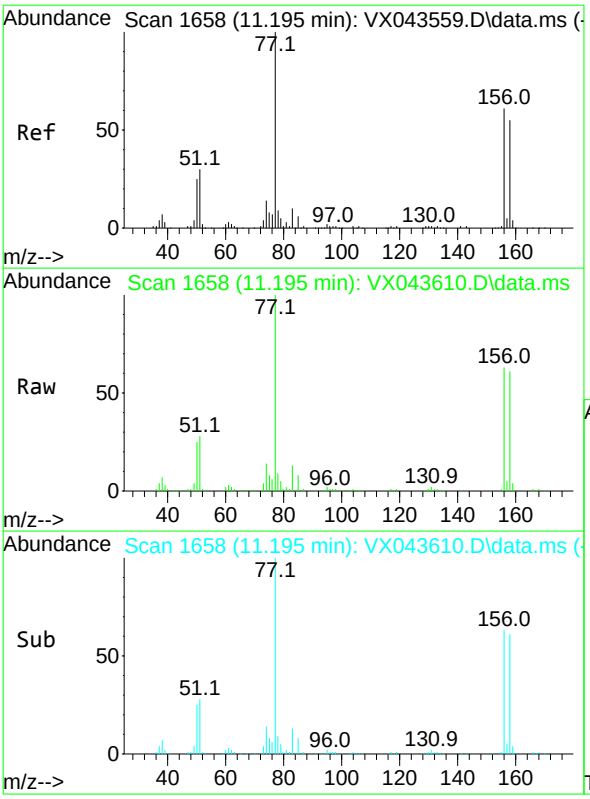


#76
1,2,3-Trichloropropane
Concen: 46.254 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 114398

Ion	Ratio	Lower	Upper
75	100		
77	44.3	22.4	67.2





#77
Bromobenzene
Concen: 48.616 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

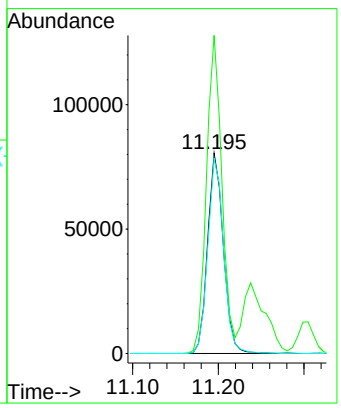
Tgt Ion:156 Resp: 102861

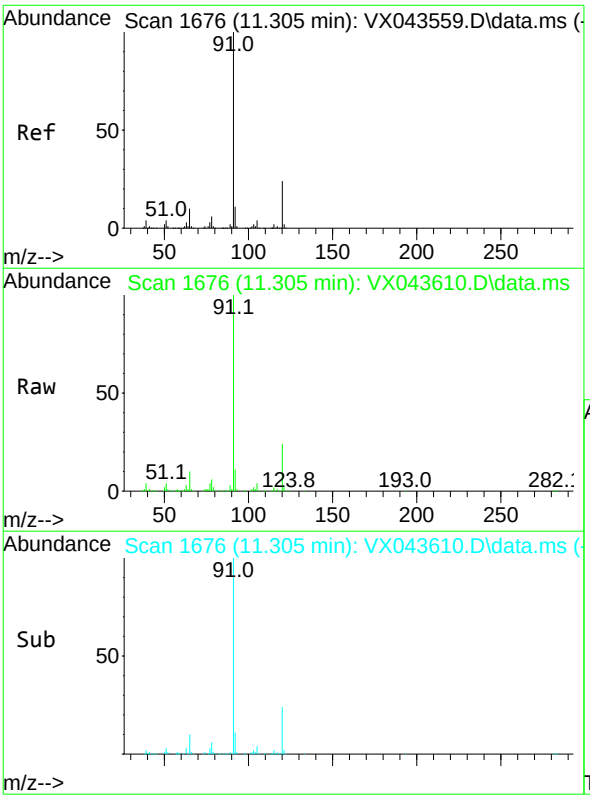
Ion	Ratio	Lower	Upper
156	100		
77	155.2	79.7	239.1
158	98.0	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

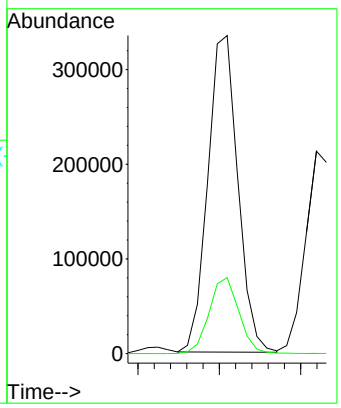


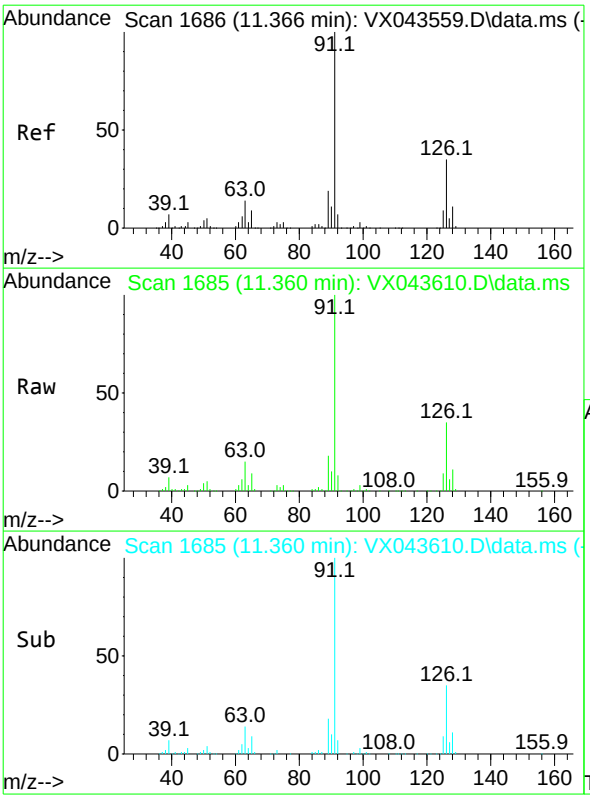


#78
n-propylbenzene
Concen: 48.063 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 429391

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7

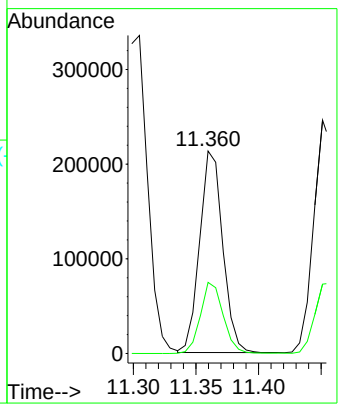




#79
2-Chlorotoluene
Concen: 46.169 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 273511

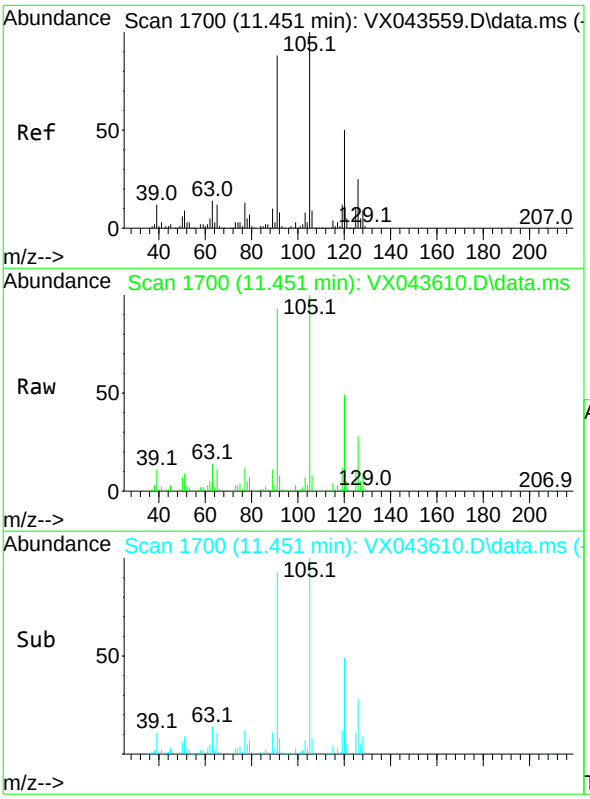
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.7	50.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

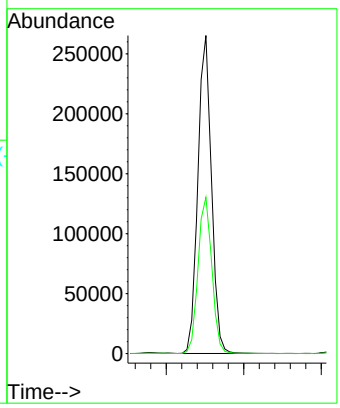
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

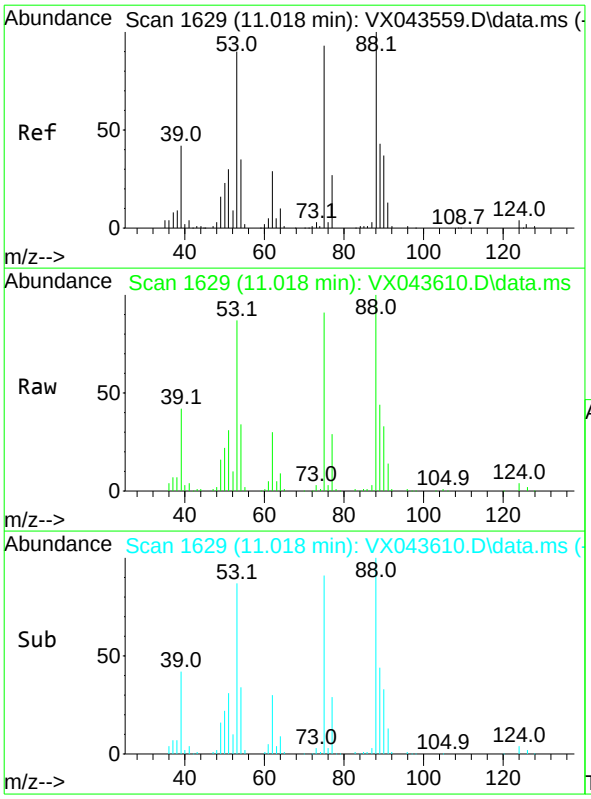


#80
1,3,5-Trimethylbenzene
Concen: 47.262 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:105 Resp: 322893

Ion	Ratio	Lower	Upper
105	100		
120	50.0	23.8	71.5

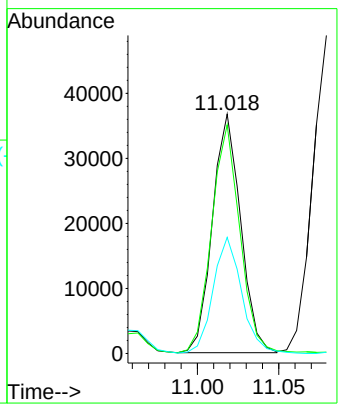




#81
trans-1,4-Dichloro-2-butene
Concen: 49.216 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 44246

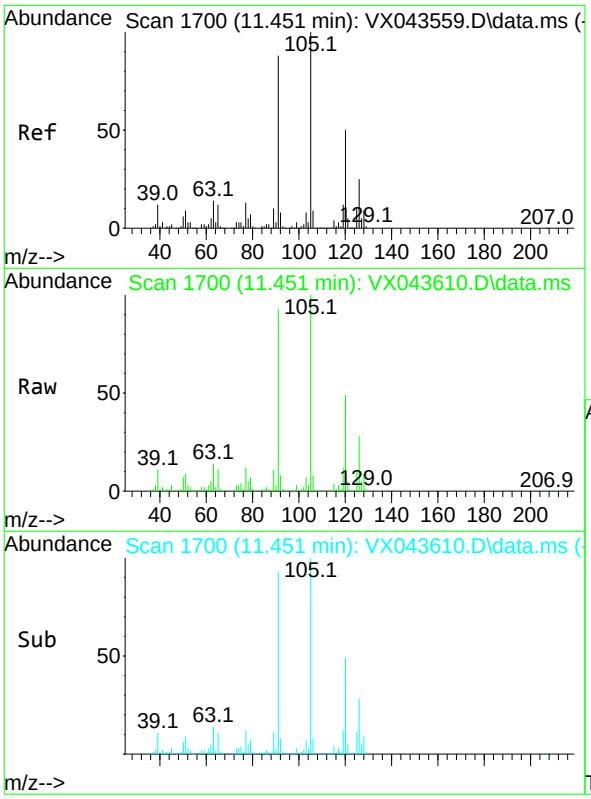
Ion	Ratio	Lower	Upper
75	100		
53	97.8	84.6	126.8
89	49.4	38.6	58.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

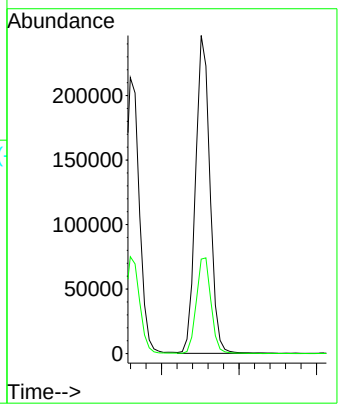
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

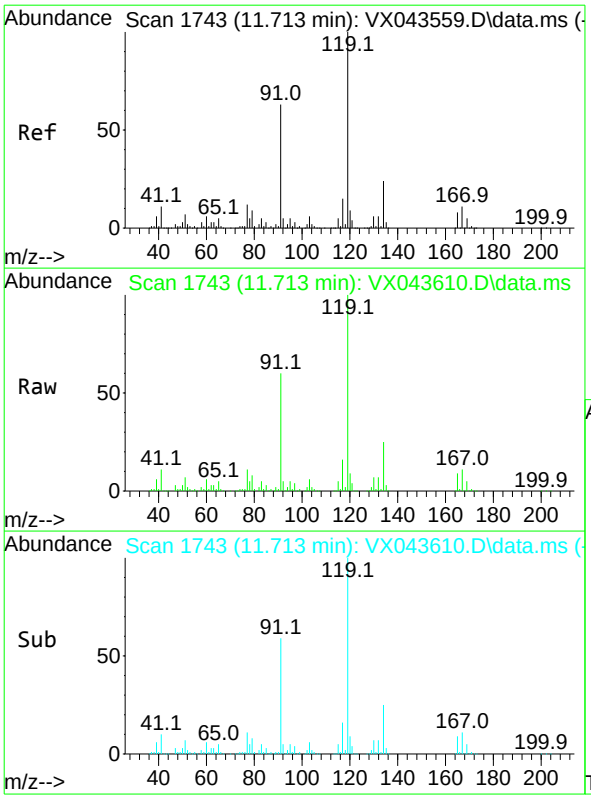


#82
4-Chlorotoluene
Concen: 47.565 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 316271

Ion	Ratio	Lower	Upper
91	100		
126	30.8	14.2	42.8

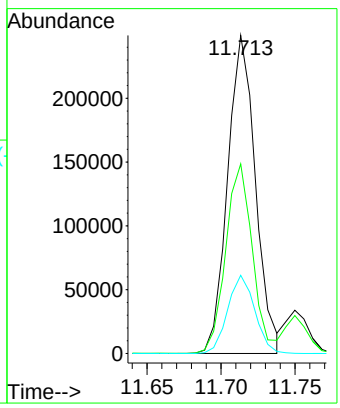




#83
tert-Butylbenzene
Concen: 46.916 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:119 Resp: 325979

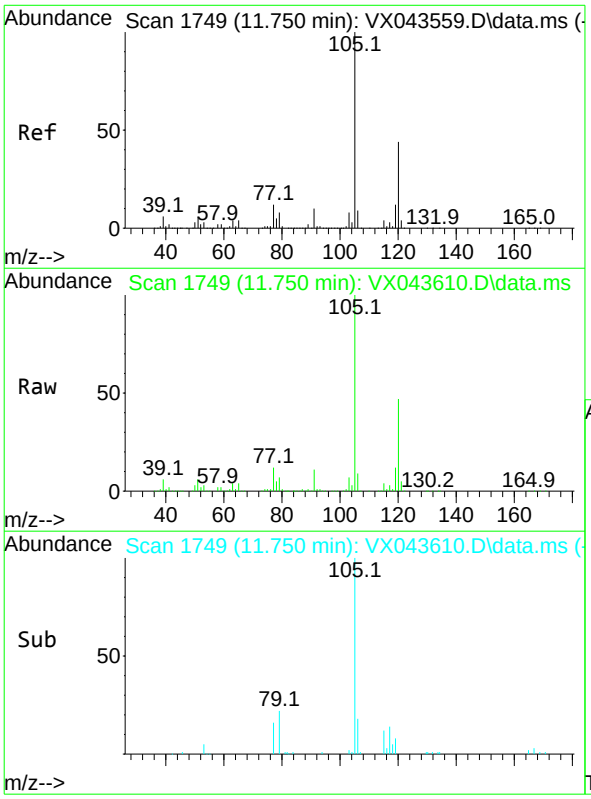
Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.5	88.5
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

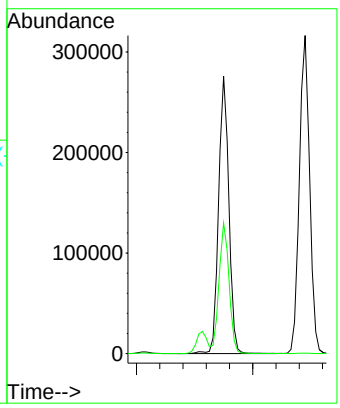
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

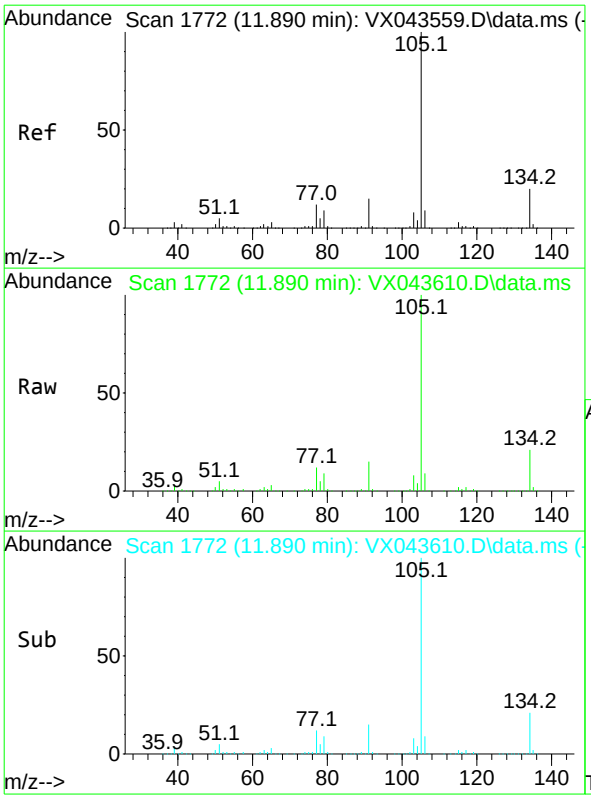


#84
1,2,4-Trimethylbenzene
Concen: 48.385 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:105 Resp: 336881

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.1	66.1

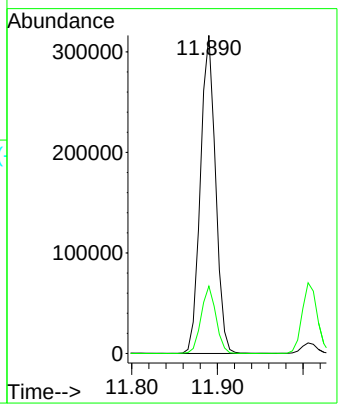




#85
sec-Butylbenzene
Concen: 47.720 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:105 Resp: 388641

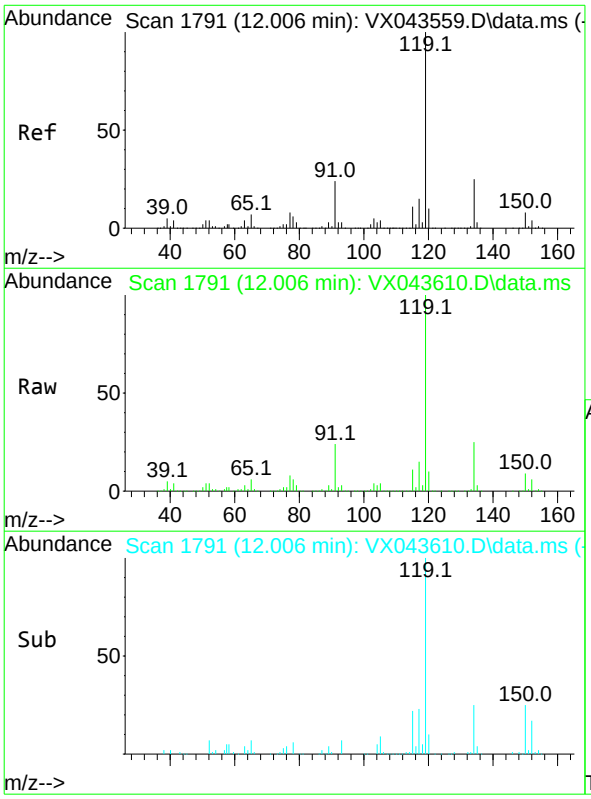
Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

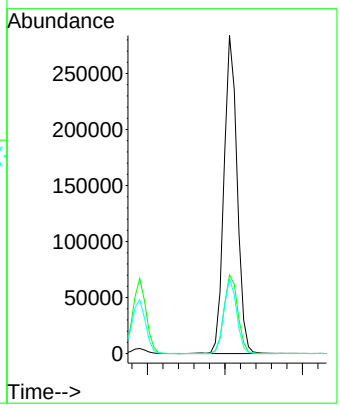
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

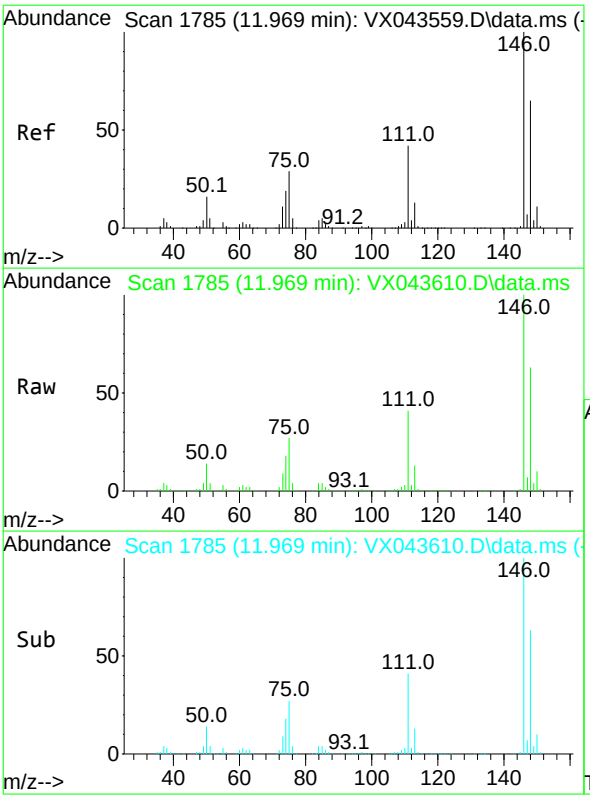


#86
p-Isopropyltoluene
Concen: 48.414 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:119 Resp: 335157

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	23.0	12.4	37.0

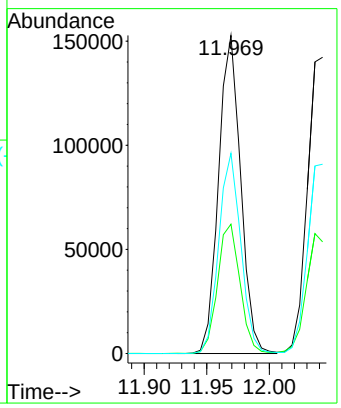




#87
1,3-Dichlorobenzene
Concen: 49.579 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:146 Resp: 188015

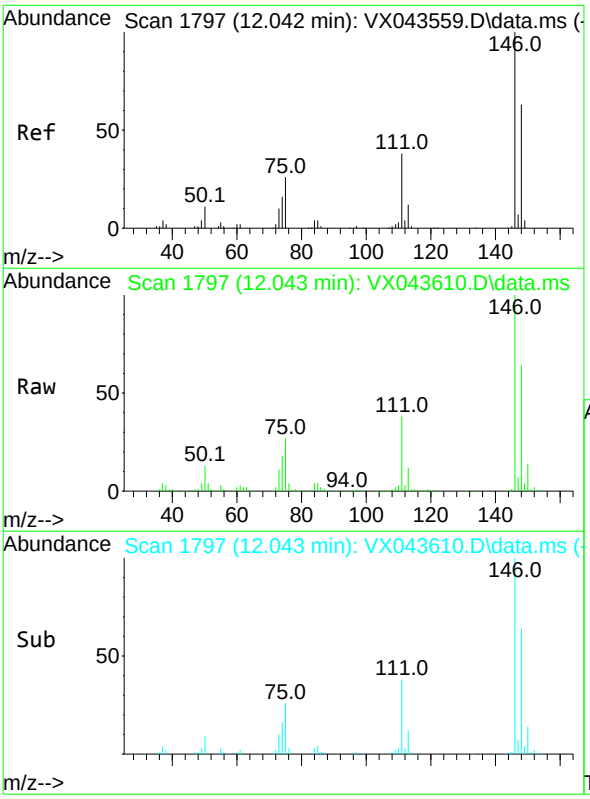
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	62.8	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

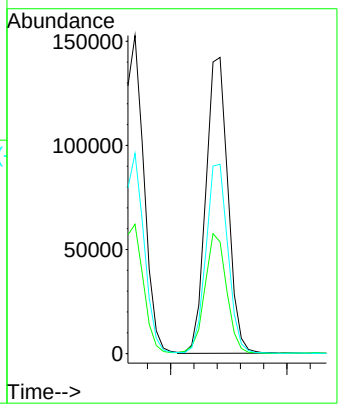
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

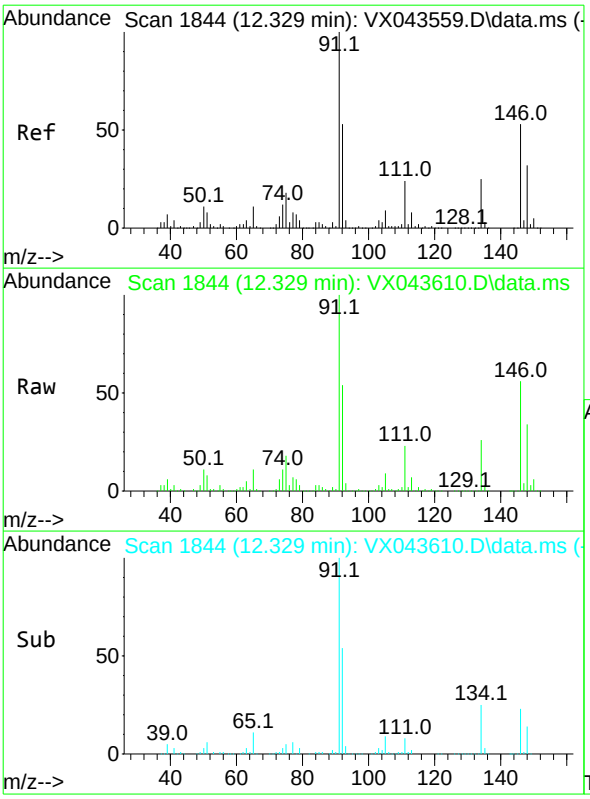


#88
1,4-Dichlorobenzene
Concen: 47.762 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:146 Resp: 187678

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.3
148	64.0	31.9	95.9

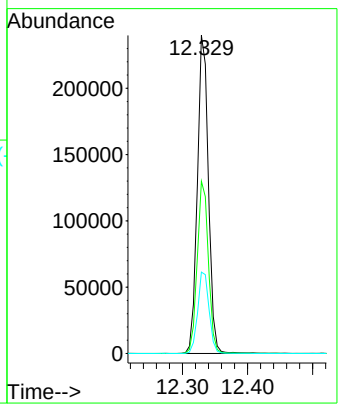




#89
n-Butylbenzene
Concen: 50.210 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 283231

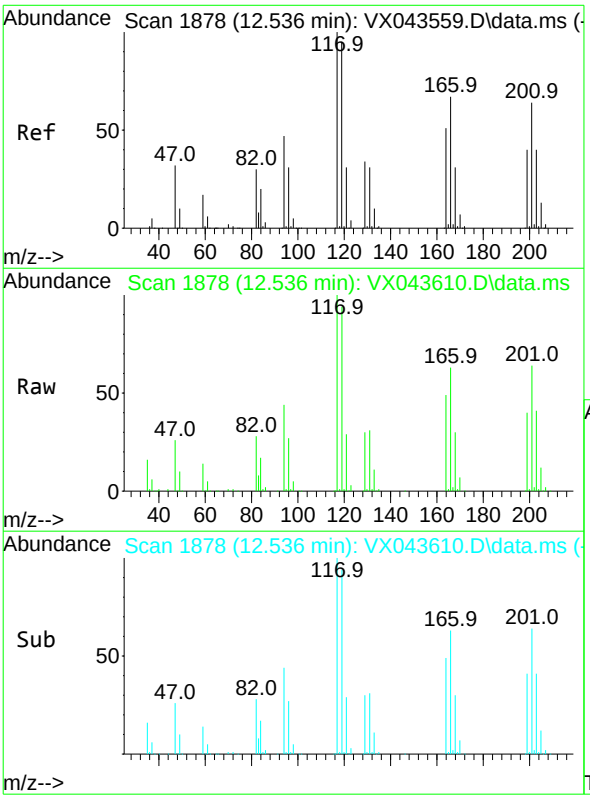
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	26.3	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

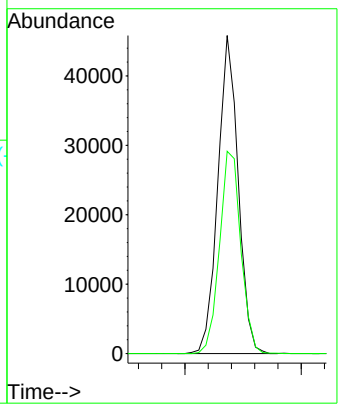
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

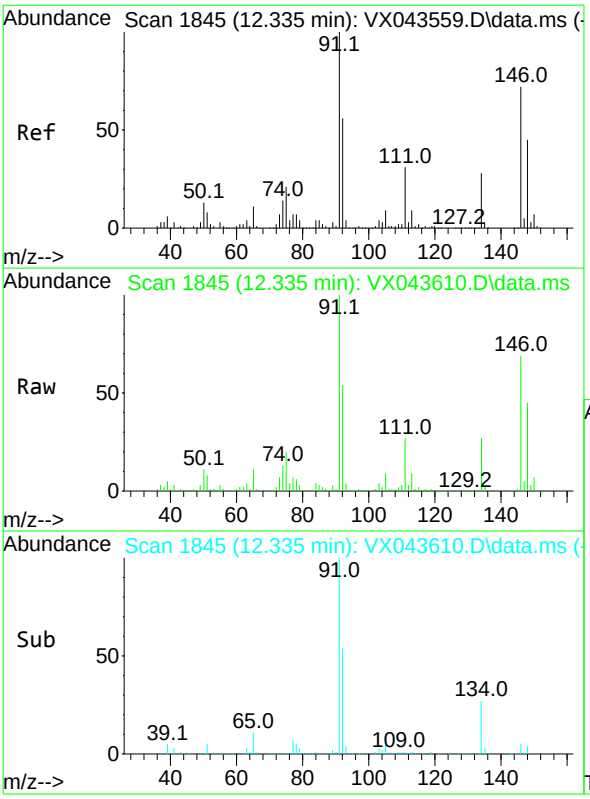


#90
Hexachloroethane
Concen: 49.441 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:117 Resp: 55596

Ion	Ratio	Lower	Upper
117	100		
201	66.7	32.9	98.7

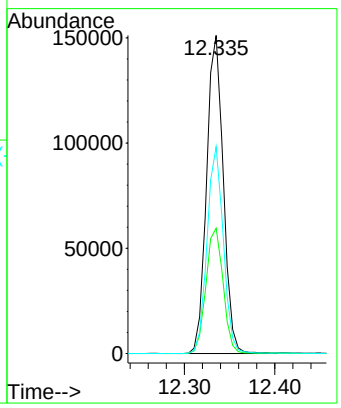




#91
1,2-Dichlorobenzene
Concen: 50.031 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:146 Resp: 194011

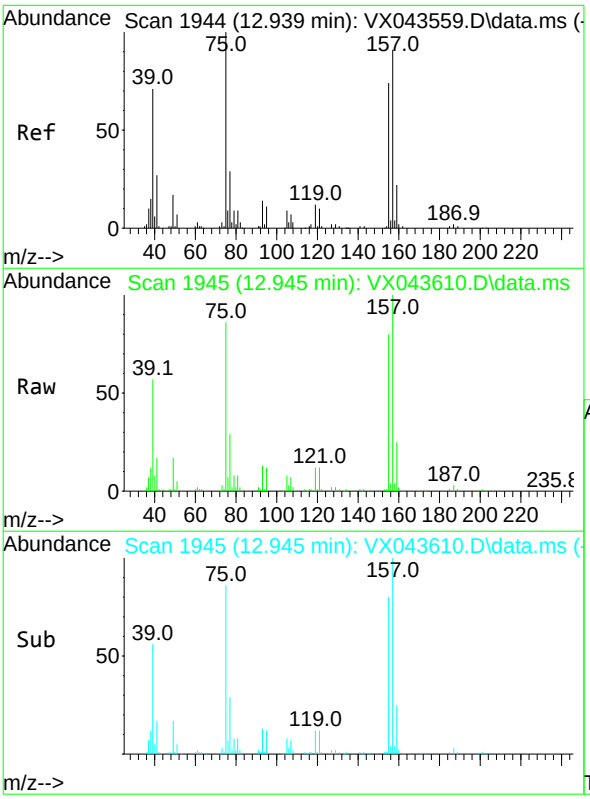
Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.6	64.6
148	63.5	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

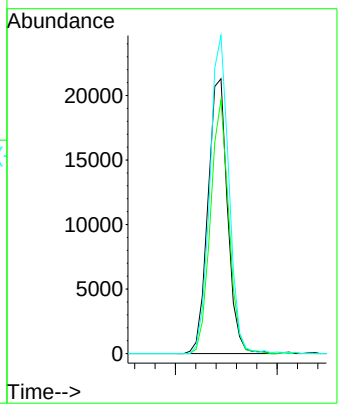
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

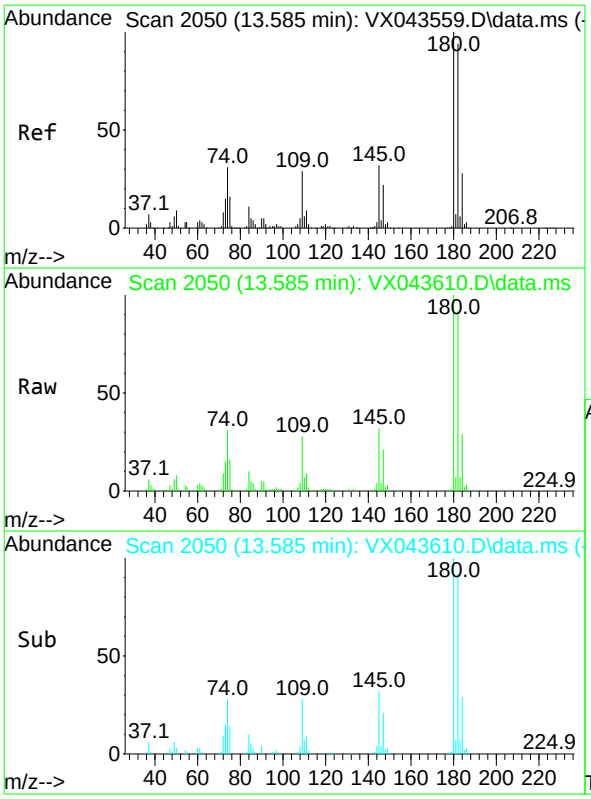


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.454 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 28504

Ion	Ratio	Lower	Upper
75	100		
155	86.3	40.1	120.3
157	112.4	50.8	152.4





#93
1,2,4-Trichlorobenzene
Concen: 52.231 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

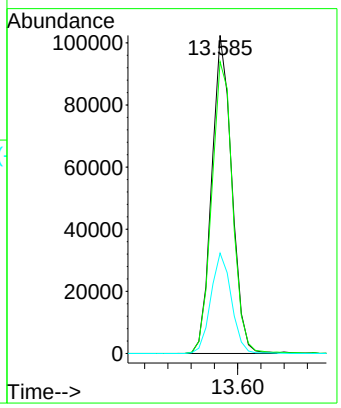
Tgt Ion:180 Resp: 122941

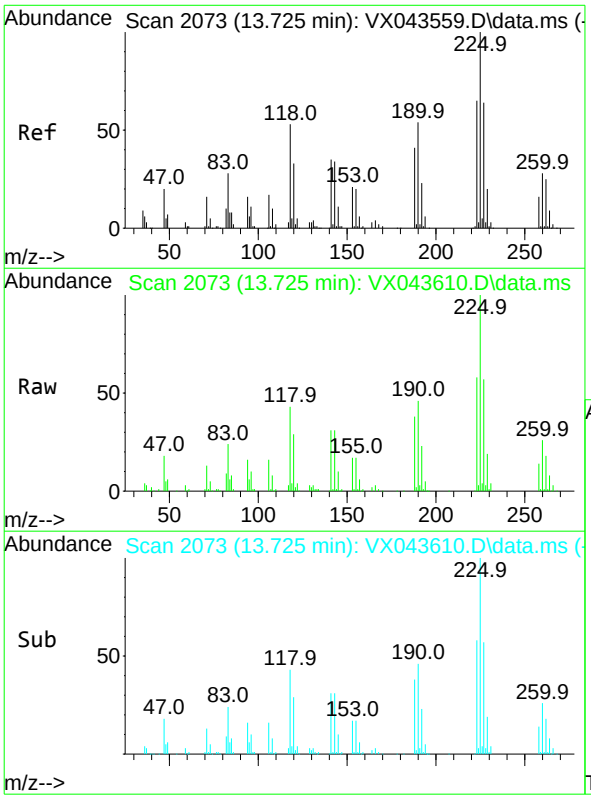
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.4
145	32.3	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

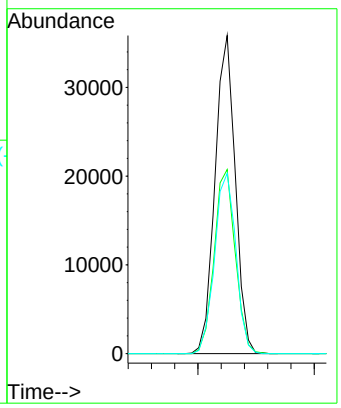


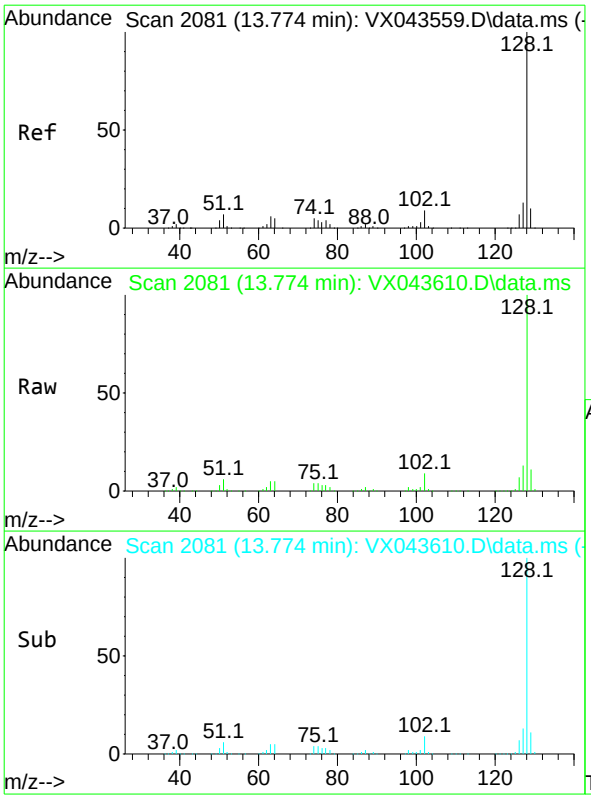


#94
Hexachlorobutadiene
Concen: 49.928 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:225 Resp: 43330

Ion	Ratio	Lower	Upper
225	100		
223	60.3	30.8	92.4
227	59.5	31.6	94.8

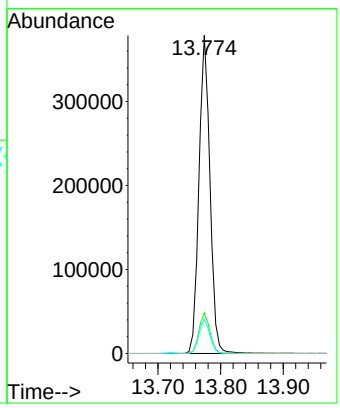




#95
Naphthalene
Concen: 51.219 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:128 Resp: 461342

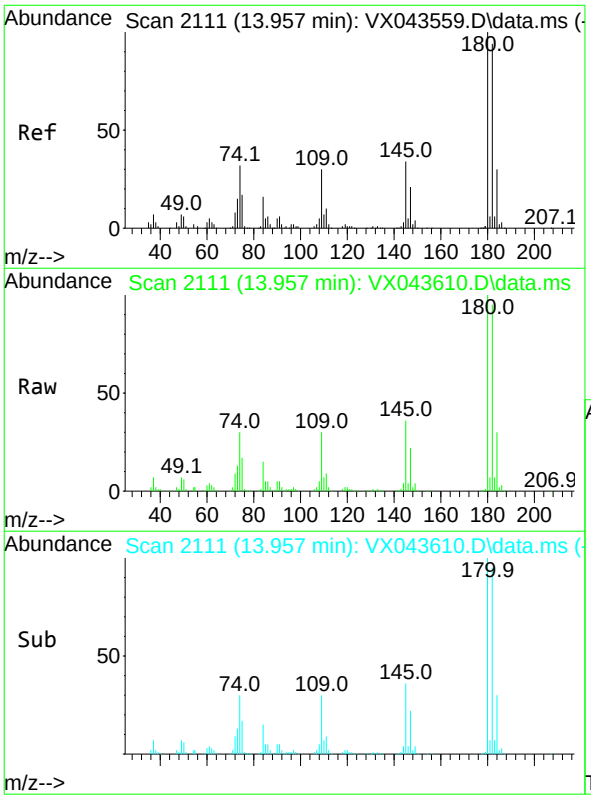
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

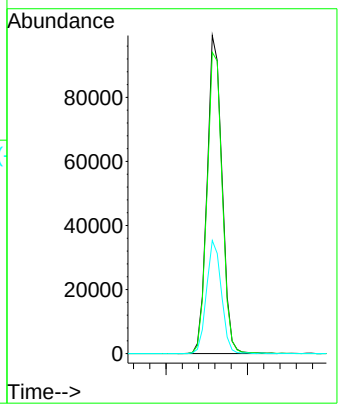
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 50.894 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:180 Resp: 126305

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.1	141.3
145	35.4	17.4	52.3



Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.535	0.477	10.8	95	0.00
3	P	Chloromethane	0.684	0.584	14.6	90	0.00
4	C	Vinyl Chloride	0.634	0.571	9.9#	91	0.00
5	T	Bromomethane	0.259	0.237	8.5	91	0.00
6	T	Chloroethane	0.223	0.203	9.0	91	0.00
7	T	Trichlorofluoromethane	0.775	0.698	9.9	90	0.00
8	T	Diethyl Ether	0.358	0.356	0.6	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.507	3.2	97	0.00
10	T	Methyl Iodide	0.757	0.725	4.2	93	0.00
11	T	Tert butyl alcohol	0.149	0.145	2.7	93	-0.04
12	CM	1,1-Dichloroethene	0.536	0.501	6.5#	94	0.00
13	T	Acrolein	0.116	0.099	14.7	91	0.00
14	T	Allyl chloride	0.926	0.875	5.5	92	0.00
15	T	Acrylonitrile	0.336	0.337	-0.3	97	0.00
16	T	Acetone	0.317	0.343	-8.2	111	0.00
17	T	Carbon Disulfide	1.120	0.957	14.6	85	0.00
18	T	Methyl Acetate	0.925	0.882	4.6	96	0.00
19	T	Methyl tert-butyl Ether	2.037	1.972	3.2	96	0.00
20	T	Methylene Chloride	0.682	0.636	6.7	97	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.534	5.7	96	0.00
22	T	Diisopropyl ether	1.915	1.828	4.5	94	0.00
23	T	Vinyl Acetate	1.582	1.572	0.6	94	0.00
24	P	1,1-Dichloroethane	1.101	1.028	6.6	93	0.00
25	T	2-Butanone	0.462	0.468	-1.3	98	0.00
26	T	2,2-Dichloropropane	0.901	0.854	5.2	97	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.716	1.0	98	0.00
28	T	Bromochloromethane	0.524	0.533	-1.7	106	0.00
29	T	Tetrahydrofuran	0.300	0.289	3.7	94	0.00
30	C	Chloroform	1.154	1.104	4.3#	96	0.00
31	T	Cyclohexane	0.842	0.762	9.5	92	0.00
32	T	1,1,1-Trichloroethane	0.969	0.886	8.6	90	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.748	6.1	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.339	0.352	-3.8	104	0.00
36	T	1,1-Dichloropropene	0.402	0.360	10.4	92	0.00
37	T	Ethyl Acetate	0.488	0.486	0.4	96	0.00
38	T	Carbon Tetrachloride	0.444	0.405	8.8	91	0.00
39	T	Methylcyclohexane	0.499	0.481	3.6	94	0.00
40	TM	Benzene	1.341	1.280	4.5	94	0.00
41	T	Methacrylonitrile	0.256	0.259	-1.2	95	0.00
42	TM	1,2-Dichloroethane	0.482	0.451	6.4	91	0.00
43	T	Isopropyl Acetate	0.807	0.777	3.7	93	0.00
44	TM	Trichloroethene	0.333	0.323	3.0	95	0.00
45	C	1,2-Dichloropropane	0.330	0.318	3.6#	94	0.00
46	T	Dibromomethane	0.254	0.248	2.4	95	0.00
47	T	Bromodichloromethane	0.446	0.457	-2.5	95	0.00
48	T	Methyl methacrylate	0.383	0.376	1.8	93	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	79	0.00
50	S	Toluene-d8	1.174	1.213	-3.3	103	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.488	0.8	92	0.00
52	CM	Toluene	0.813	0.812	0.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.479	0.489	-2.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.524	-2.7	96	0.00
55	T	1,1,2-Trichloroethane	0.339	0.347	-2.4	97	0.00
56	T	Ethyl methacrylate	0.550	0.556	-1.1	94	0.00
57	T	1,3-Dichloropropane	0.563	0.565	-0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.288	-8.3	107	0.00
59	T	2-Hexanone	0.374	0.373	0.3	93	0.00
60	T	Dibromochloromethane	0.335	0.357	-6.6	97	0.00
61	T	1,2-Dibromoethane	0.351	0.354	-0.9	96	0.00
62	S	4-Bromofluorobenzene	0.435	0.462	-6.2	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.314	0.299	4.8	97	0.00
65	PM	Chlorobenzene	1.076	1.032	4.1	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.354	-0.9	96	0.00
67	C	Ethyl Benzene	1.754	1.649	6.0#	93	0.00
68	T	m/p-Xylenes	0.671	0.654	2.5	95	0.00
69	T	o-Xylene	0.674	0.664	1.5	97	0.00
70	T	Styrene	1.120	1.140	-1.8	97	0.00
71	P	Bromoform	0.253	0.264	-4.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	3.542	3.300	6.8	93	0.00
74	T	N-amyl acetate	1.725	1.578	8.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.220	4.2	95	0.00
76	T	1,2,3-Trichloropropane	1.069	0.989	7.5	93	0.00
77	T	Bromobenzene	0.915	0.889	2.8	97	0.00
78	T	n-propylbenzene	3.862	3.712	3.9	94	0.00
79	T	2-Chlorotoluene	2.561	2.365	7.7	95	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.791	5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.383	1.5	92	0.00
82	T	4-Chlorotoluene	2.874	2.734	4.9	95	0.00
83	T	tert-Butylbenzene	3.003	2.818	6.2	93	0.00
84	T	1,2,4-Trimethylbenzene	3.010	2.912	3.3	95	0.00
85	T	sec-Butylbenzene	3.520	3.360	4.5	93	0.00
86	T	p-Isopropyltoluene	2.992	2.897	3.2	94	0.00
87	T	1,3-Dichlorobenzene	1.639	1.625	0.9	100	0.00
88	T	1,4-Dichlorobenzene	1.699	1.622	4.5	99	0.00
89	T	n-Butylbenzene	2.438	2.449	-0.5	94	0.00
90	T	Hexachloroethane	0.486	0.481	1.0	93	0.00
91	T	1,2-Dichlorobenzene	1.676	1.677	-0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.246	5.4	89	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.063	-4.5	99	0.00
94	T	Hexachlorobutadiene	0.375	0.375	0.0	101	0.00
95	T	Naphthalene	3.893	3.988	-2.4	97	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.092	-1.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	50.000	44.596	10.8	95	0.00
3	P	Chloromethane	50.000	42.698	14.6	90	0.00
4	C	Vinyl Chloride	50.000	45.006	10.0#	91	0.00
5	T	Bromomethane	50.000	45.750	8.5	91	0.00
6	T	Chloroethane	50.000	45.446	9.1	91	0.00
7	T	Trichlorofluoromethane	50.000	45.021	10.0	90	0.00
8	T	Diethyl Ether	50.000	49.770	0.5	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.361	3.3	97	0.00
10	T	Methyl Iodide	50.000	47.890	4.2	93	0.00
11	T	Tert butyl alcohol	250.000	242.814	2.9	93	-0.04
12	CM	1,1-Dichloroethene	50.000	46.775	6.5#	94	0.00
13	T	Acrolein	250.000	211.927	15.2	91	0.00
14	T	Allyl chloride	50.000	47.217	5.6	92	0.00
15	T	Acrylonitrile	250.000	250.451	-0.2	97	0.00
16	T	Acetone	250.000	270.728	-8.3	111	0.00
17	T	Carbon Disulfide	50.000	42.711	14.6	85	0.00
18	T	Methyl Acetate	50.000	47.636	4.7	96	0.00
19	T	Methyl tert-butyl Ether	50.000	48.412	3.2	96	0.00
20	T	Methylene Chloride	50.000	46.641	6.7	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.169	5.7	96	0.00
22	T	Diisopropyl ether	50.000	47.745	4.5	94	0.00
23	T	Vinyl Acetate	250.000	248.394	0.6	94	0.00
24	P	1,1-Dichloroethane	50.000	46.726	6.5	93	0.00
25	T	2-Butanone	250.000	253.209	-1.3	98	0.00
26	T	2,2-Dichloropropane	50.000	47.410	5.2	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.522	1.0	98	0.00
28	T	Bromochloromethane	50.000	50.892	-1.8	106	0.00
29	T	Tetrahydrofuran	250.000	240.326	3.9	94	0.00
30	C	Chloroform	50.000	47.828	4.3#	96	0.00
31	T	Cyclohexane	50.000	45.259	9.5	92	0.00
32	T	1,1,1-Trichloroethane	50.000	45.714	8.6	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.889	6.2	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	51.966	-3.9	104	0.00
36	T	1,1-Dichloropropene	50.000	44.823	10.4	92	0.00
37	T	Ethyl Acetate	50.000	49.788	0.4	96	0.00
38	T	Carbon Tetrachloride	50.000	45.579	8.8	91	0.00
39	T	Methylcyclohexane	50.000	48.163	3.7	94	0.00
40	TM	Benzene	50.000	47.728	4.5	94	0.00
41	T	Methacrylonitrile	50.000	50.543	-1.1	95	0.00
42	TM	1,2-Dichloroethane	50.000	46.758	6.5	91	0.00
43	T	Isopropyl Acetate	50.000	48.146	3.7	93	0.00
44	TM	Trichloroethene	50.000	48.479	3.0	95	0.00
45	C	1,2-Dichloropropane	50.000	48.156	3.7#	94	0.00
46	T	Dibromomethane	50.000	48.673	2.7	95	0.00
47	T	Bromodichloromethane	50.000	51.242	-2.5	95	0.00
48	T	Methyl methacrylate	50.000	49.127	1.7	93	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	828.559	17.1	79	0.00
50	S	Toluene-d8	50.000	51.692	-3.4	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.002	0.8	92	0.00
52	CM	Toluene	50.000	49.912	0.2#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	50.985	-2.0	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.333	-2.7	96	0.00
55	T	1,1,2-Trichloroethane	50.000	51.241	-2.5	97	0.00
56	T	Ethyl methacrylate	50.000	50.517	-1.0	94	0.00
57	T	1,3-Dichloropropane	50.000	50.209	-0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	269.768	-7.9	107	0.00
59	T	2-Hexanone	250.000	249.695	0.1	93	0.00
60	T	Dibromochloromethane	50.000	53.286	-6.6	97	0.00
61	T	1,2-Dibromoethane	50.000	50.325	-0.7	96	0.00
62	S	4-Bromofluorobenzene	50.000	53.067	-6.1	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	47.505	5.0	97	0.00
65	PM	Chlorobenzene	50.000	47.976	4.0	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.433	-0.9	96	0.00
67	C	Ethyl Benzene	50.000	47.008	6.0#	93	0.00
68	T	m/p-Xylenes	100.000	97.427	2.6	95	0.00
69	T	o-Xylene	50.000	49.288	1.4	97	0.00
70	T	Styrene	50.000	50.882	-1.8	97	0.00
71	P	Bromoform	50.000	52.344	-4.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	46.585	6.8	93	0.00
74	T	N-amyl acetate	50.000	45.729	8.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.900	4.2	95	0.00
76	T	1,2,3-Trichloropropane	50.000	46.254	7.5	93	0.00
77	T	Bromobenzene	50.000	48.616	2.8	97	0.00
78	T	n-propylbenzene	50.000	48.063	3.9	94	0.00
79	T	2-Chlorotoluene	50.000	46.169	7.7	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.262	5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.216	1.6	92	0.00
82	T	4-Chlorotoluene	50.000	47.565	4.9	95	0.00
83	T	tert-Butylbenzene	50.000	46.916	6.2	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.385	3.2	95	0.00
85	T	sec-Butylbenzene	50.000	47.720	4.6	93	0.00
86	T	p-Isopropyltoluene	50.000	48.414	3.2	94	0.00
87	T	1,3-Dichlorobenzene	50.000	49.579	0.8	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.762	4.5	99	0.00
89	T	n-Butylbenzene	50.000	50.210	-0.4	94	0.00
90	T	Hexachloroethane	50.000	49.441	1.1	93	0.00
91	T	1,2-Dichlorobenzene	50.000	50.031	-0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.454	5.1	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.231	-4.5	99	0.00
94	T	Hexachlorobutadiene	50.000	49.928	0.1	101	0.00
95	T	Naphthalene	50.000	51.219	-2.4	97	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.894	-1.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043635.D**

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: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 19:25

Lab File ID: VX043635.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.684	0.543	0.1	-20.5	50
Vinyl Chloride	0.634	0.564		-11.1	50
Bromomethane	0.259	0.219		-15.2	50
Chloroethane	0.223	0.211		-5.8	50
Trichlorofluoromethane	0.775	0.774		-0.1	50
1,1,2-Trichlorotrifluoroethane	0.524	0.512		-2.4	50
1,1-Dichloroethene	0.536	0.517		-3.6	50
Acetone	0.317	0.239		-24.5	50
Carbon Disulfide	1.120	0.960		-14.2	50
Methyl tert-butyl Ether	2.037	1.790		-12.1	50
Methylene Chloride	0.682	0.581		-14.9	50
trans-1,2-Dichloroethene	0.566	0.535		-5.5	50
1,1-Dichloroethane	1.101	0.987	0.1	-10.3	50
2-Butanone	0.462	0.385		-16.6	50
Carbon Tetrachloride	0.444	0.428		-3.7	50
cis-1,2-Dichloroethene	0.723	0.674		-6.8	50
Chloroform	1.154	1.034		-10.4	50
1,1,1-Trichloroethane	0.969	0.899		-7.2	50
Methylcyclohexane	0.499	0.480		-3.9	50
Benzene	1.341	1.267		-5.5	50
1,2-Dichloroethane	0.482	0.417		-13.6	50
Trichloroethene	0.333	0.330		-0.9	50
1,2-Dichloropropane	0.330	0.310		-6.2	50
Bromodichloromethane	0.446	0.419		-6	50
4-Methyl-2-Pentanone	0.492	0.448		-8.9	50
Toluene	0.813	0.799		-1.7	50
t-1,3-Dichloropropene	0.479	0.441		-8	50
cis-1,3-Dichloropropene	0.510	0.489		-4.2	50
1,1,2-Trichloroethane	0.339	0.325		-4	50
2-Hexanone	0.374	0.340		-9.1	50
Dibromochloromethane	0.335	0.331		-1.3	50
Tetrachloroethene	0.314	0.330		5	50
Chlorobenzene	1.076	1.030	0.3	-4.3	50
Ethyl Benzene	1.754	1.709		-2.6	50
m/p-Xylenes	0.671	0.675		0.6	50
o-Xylene	0.674	0.674		0	50
Styrene	1.120	1.139		1.6	50
Bromoform	0.253	0.252	0.1	-0.2	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX043635.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4600 SAS No.: P4600 SDG No.: P4600

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 19:25

Lab File ID: VX043635.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.542	3.515		-0.8	50
1,1,2,2-Tetrachloroethane	1.274	1.189	0.3	-6.6	50
1,3-Dichlorobenzene	1.639	1.596		-2.6	50
1,4-Dichlorobenzene	1.699	1.596		-6	50
1,2-Dichlorobenzene	1.676	1.655		-1.3	50
1,2-Dichloroethane-d4	0.797	0.669		-16.1	50
Dibromofluoromethane	0.339	0.326		-3.7	50
Toluene-d8	1.174	1.177		0.3	50
4-Bromofluorobenzene	0.435	0.419		-3.5	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\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	178240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	309741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	119154	41.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.840%			
35) Dibromofluoromethane	5.385	113	101122	48.145	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.300%			
50) Toluene-d8	8.647	98	364584	50.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	11.079	95	129928	48.226	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	79275	41.589	ug/l	99
3) Chloromethane	1.294	50	96812	39.732	ug/l	99
4) Vinyl Chloride	1.374	62	100526	44.452	ug/l	97
5) Bromomethane	1.593	94	39084	42.395	ug/l	98
6) Chloroethane	1.660	64	37538	47.116	ug/l	99
7) Trichlorofluoromethane	1.861	101	137983	49.946	ug/l	99
8) Diethyl Ether	2.136	74	58194	45.591	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	91191	48.808	ug/l	97
10) Methyl Iodide	2.441	142	127844	47.361	ug/l	95
11) Tert butyl alcohol	3.014	59	103782	195.641	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	92067	48.221	ug/l	91
13) Acrolein	2.239	56	81147	195.607	ug/l	97
14) Allyl chloride	2.654	41	146465	44.352	ug/l	94
15) Acrylonitrile	3.069	53	263576	220.072	ug/l	99
16) Acetone	2.392	43	213080	188.800	ug/l	97
17) Carbon Disulfide	2.502	76	171185	42.877	ug/l	98
18) Methyl Acetate	2.709	43	135378	41.043	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	319117	43.949	ug/l	97
20) Methylene Chloride	2.782	84	103475	42.541	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	95349	47.270	ug/l	94
22) Diisopropyl ether	3.764	45	300353	44.002	ug/l	92
23) Vinyl Acetate	3.721	43	1249182	221.516	ug/l	99
24) 1,1-Dichloroethane	3.605	63	175913	44.839	ug/l	98
25) 2-Butanone	4.562	43	343103	208.407	ug/l	94
26) 2,2-Dichloropropane	4.471	77	128379	39.976	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	120050	46.591	ug/l	95
28) Bromochloromethane	4.891	49	81637	43.742	ug/l	93
29) Tetrahydrofuran	5.007	42	224202	209.558	ug/l	96
30) Chloroform	5.086	83	184309	44.816	ug/l	96
31) Cyclohexane	5.458	56	136826	45.598	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	160242	46.410	ug/l	98
36) 1,1-Dichloropropene	5.684	75	117552	47.200	ug/l	97
37) Ethyl Acetate	4.715	43	133728	44.228	ug/l	98
38) Carbon Tetrachloride	5.672	117	132473	48.140	ug/l	99
39) Methylcyclohexane	7.379	83	148577	48.050	ug/l	95
40) Benzene	6.031	78	392480	47.238	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	73728	46.454 ug/l		96
42) 1,2-Dichloroethane	6.080	62	129043	43.203 ug/l		97
43) Isopropyl Acetate	6.342	43	220004	43.998 ug/l		98
44) Trichloroethene	7.123	130	102297	49.561 ug/l		93
45) 1,2-Dichloropropane	7.421	63	95978	46.915 ug/l		99
46) Dibromomethane	7.580	93	70976	45.058 ug/l		94
47) Bromodichloromethane	7.818	83	129855	46.992 ug/l		98
48) Methyl methacrylate	7.696	41	107340	45.277 ug/l		95
49) 1,4-Dioxane	7.671	88	51867	1064.890 ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	693837	227.662 ug/l		97
52) Toluene	8.714	92	247578	49.134 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	136565	46.012 ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	151502	47.908 ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	100639	47.983 ug/l		99
56) Ethyl methacrylate	9.116	69	161195	47.299 ug/l		93
57) 1,3-Dichloropropane	9.305	76	164980	47.294 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	376649	228.196 ug/l		96
59) 2-Hexanone	9.433	43	526010	227.247 ug/l		96
60) Dibromochloromethane	9.519	129	102501	49.353 ug/l		99
61) 1,2-Dibromoethane	9.610	107	104203	47.860 ug/l		97
64) Tetrachloroethene	9.269	164	88371	52.495 ug/l		91
65) Chlorobenzene	10.079	112	275636	47.866 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	95145	50.585 ug/l		98
67) Ethyl Benzene	10.195	91	457507	48.724 ug/l		100
68) m/p-Xylenes	10.299	106	361281	100.611 ug/l		95
69) o-Xylene	10.640	106	180468	50.021 ug/l		98
70) Styrene	10.653	104	304770	50.824 ug/l		99
71) Bromoform	10.799	173	67510	49.919 ug/l	#	97
73) Isopropylbenzene	10.963	105	458206	49.624 ug/l		100
74) N-amyl acetate	10.842	43	204963	45.567 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	154974	46.675 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	122978m	44.125 ug/l		
77) Bromobenzene	11.195	156	114236	47.913 ug/l		97
78) n-propylbenzene	11.305	91	506292	50.290 ug/l		98
79) 2-Chlorotoluene	11.366	91	312933	46.876 ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	381288	49.526 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	46497	45.896 ug/l		93
82) 4-Chlorotoluene	11.451	91	357029	47.649 ug/l		96
83) tert-Butylbenzene	11.713	119	393454	50.251 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	387269	49.359 ug/l		96
85) sec-Butylbenzene	11.890	105	470486	51.265 ug/l		98
86) p-Isopropyltoluene	12.006	119	403373	51.708 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	208079	48.692 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	208065	46.988 ug/l		99
89) n-Butylbenzene	12.329	91	332343	52.283 ug/l		100
90) Hexachloroethane	12.536	117	65193	51.448 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	215706	49.363 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30578	45.175 ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	133572	50.359 ug/l		99
94) Hexachlorobutadiene	13.725	225	50067	51.196 ug/l		99
95) Naphthalene	13.774	128	498265	49.090 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	137595	49.201 ug/l		99

Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

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

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

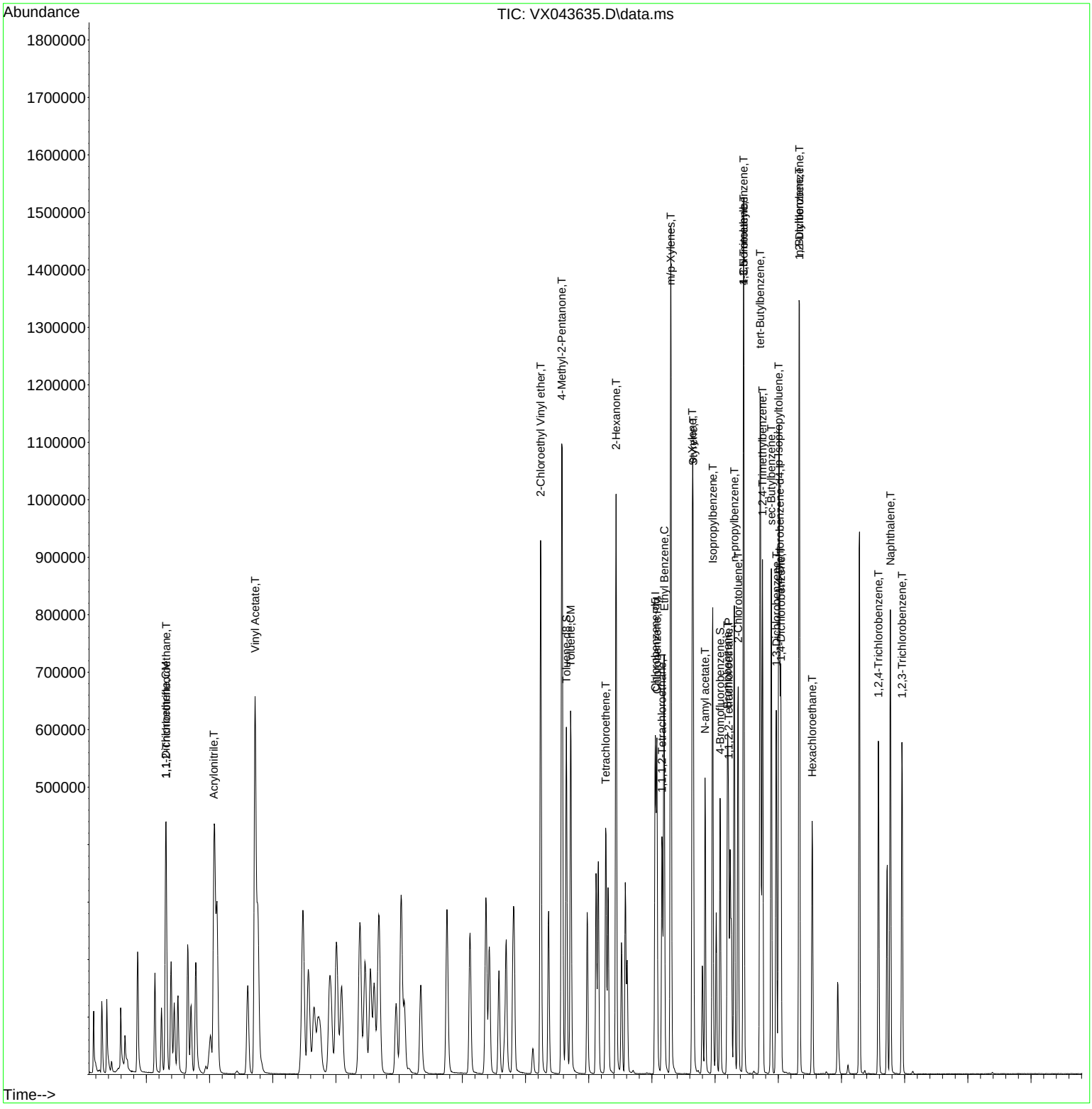
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

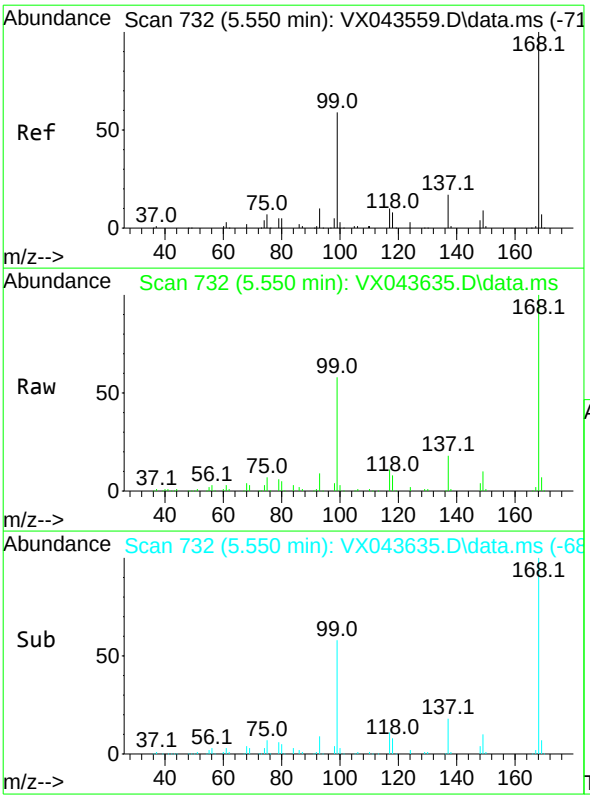
Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

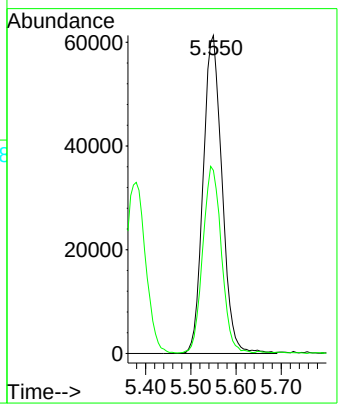




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:168 Resp: 178240

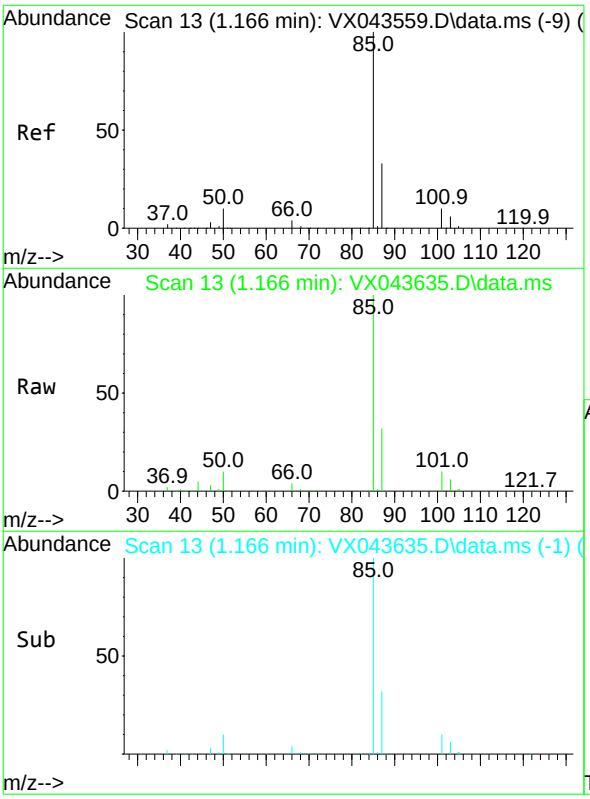
Ion	Ratio	Lower	Upper
168	100		
99	57.4	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

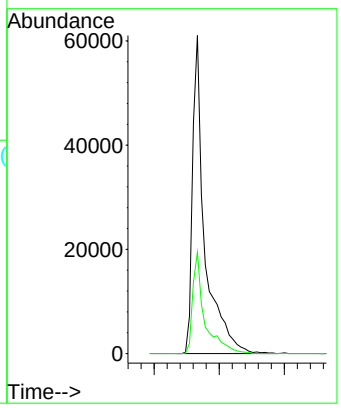
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

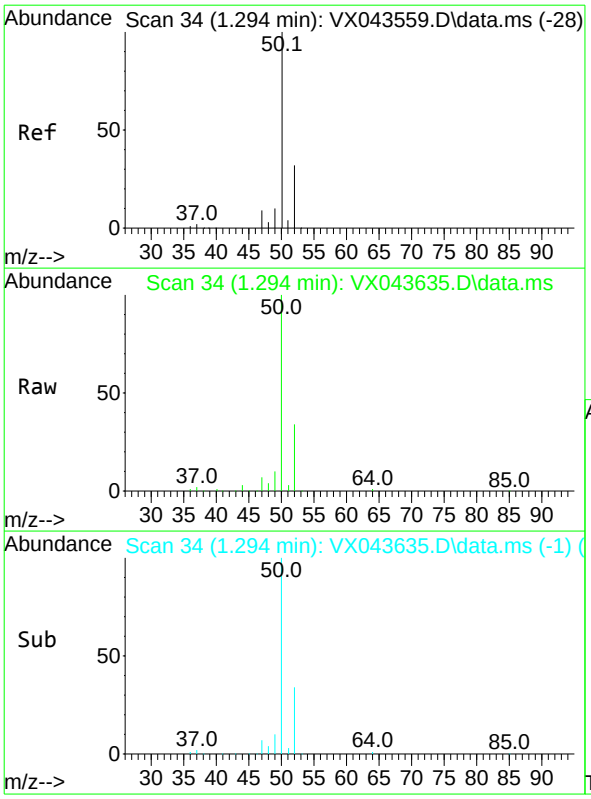


#2
Dichlorodifluoromethane
Concen: 41.589 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 85 Resp: 79275

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.0

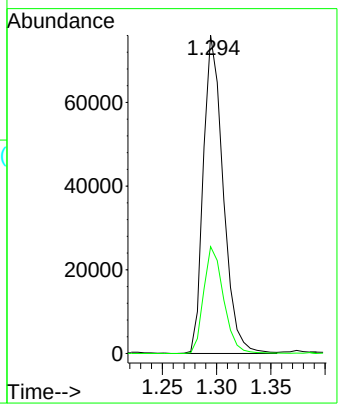




#3
Chloromethane
Concen: 39.732 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 50 Resp: 96812

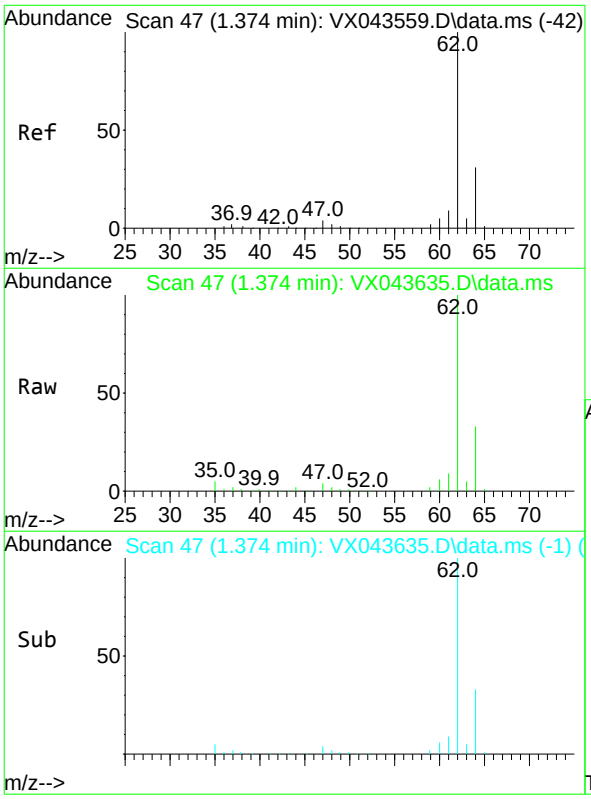
Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

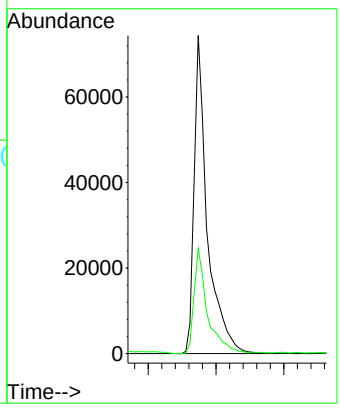
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

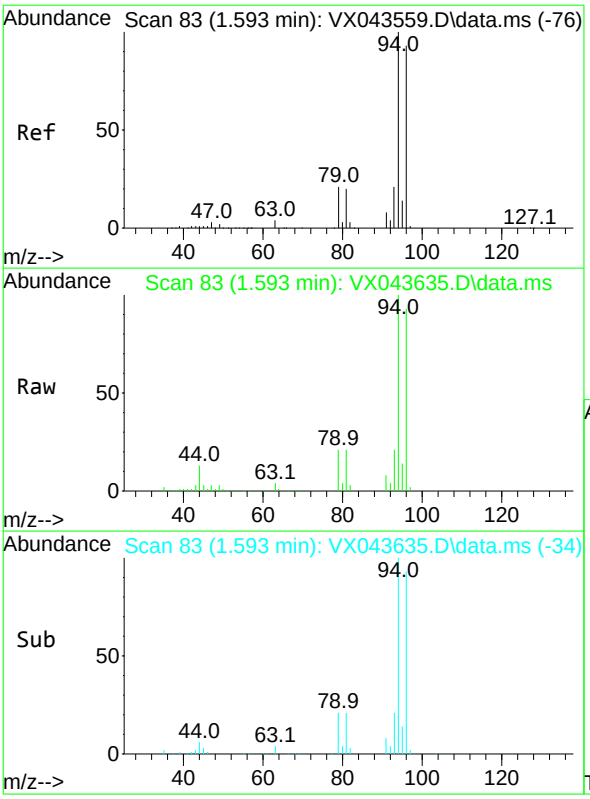


#4
Vinyl Chloride
Concen: 44.452 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 62 Resp: 100526

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.0	37.4

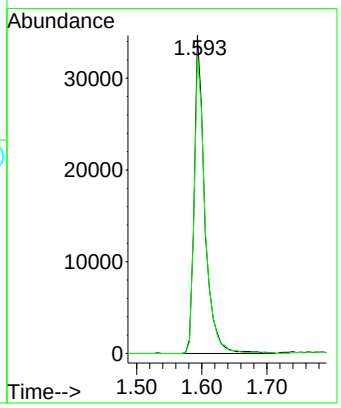




#5
Bromomethane
Concen: 42.395 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 94 Resp: 39084

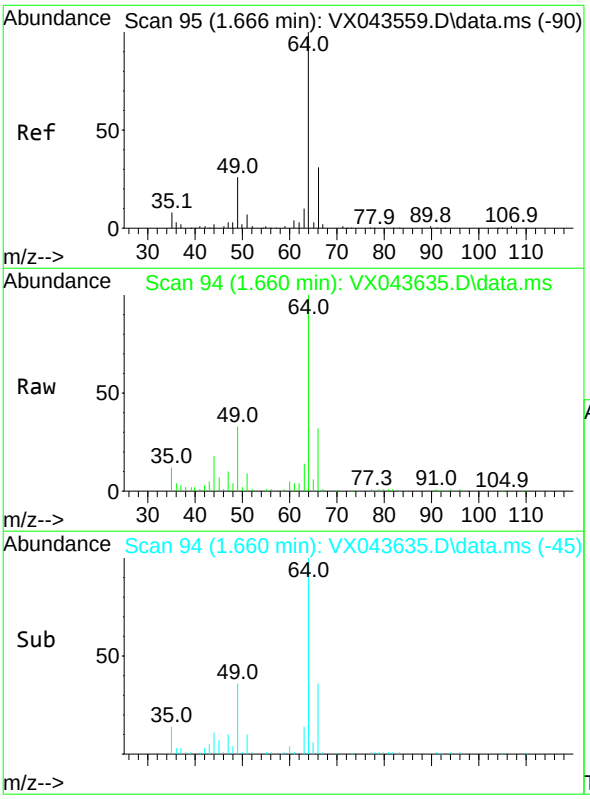
Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

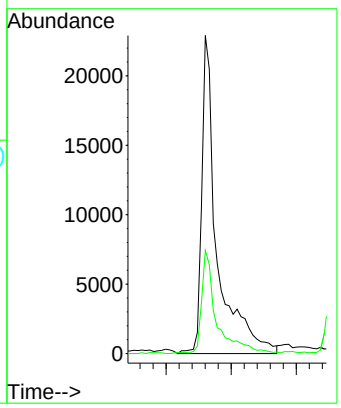
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

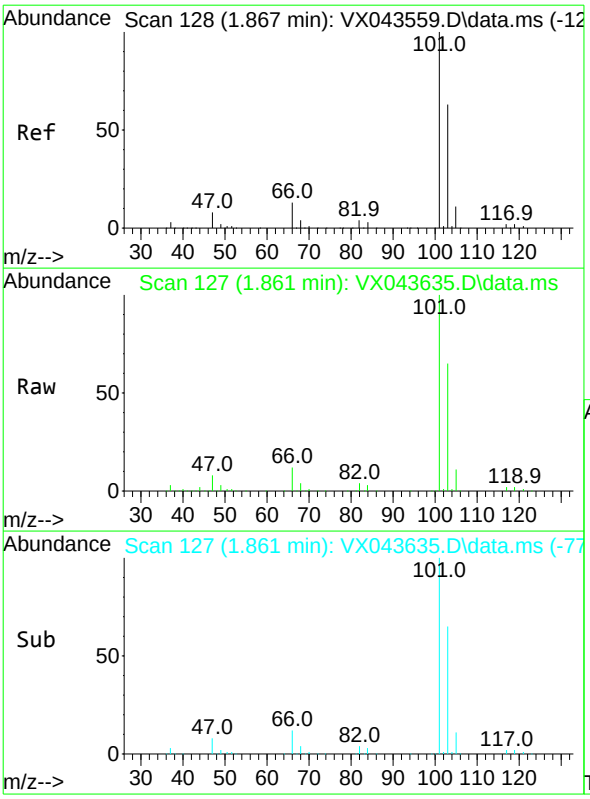


#6
Chloroethane
Concen: 47.116 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 64 Resp: 37538

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.1	37.7

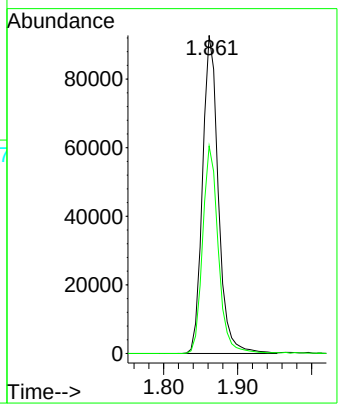




#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 1.861 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:101 Resp: 137983

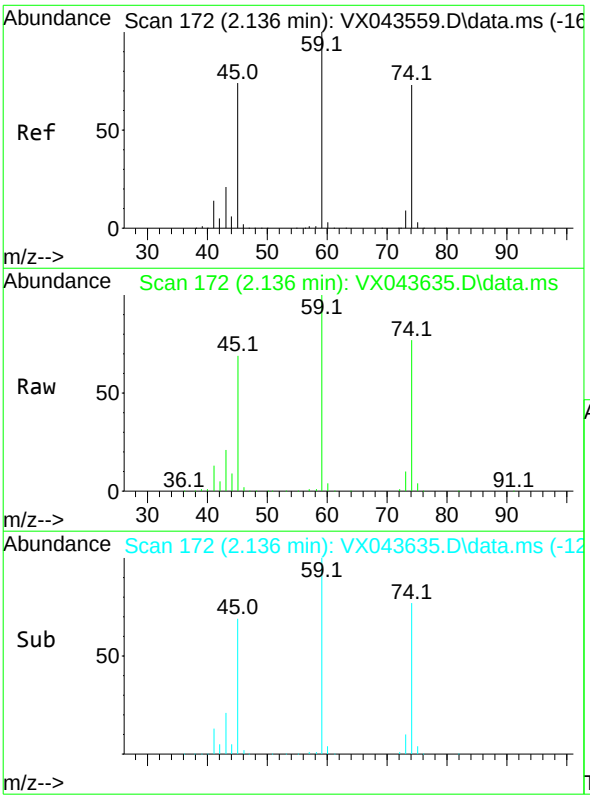
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

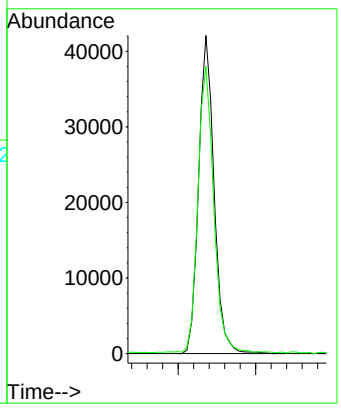
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

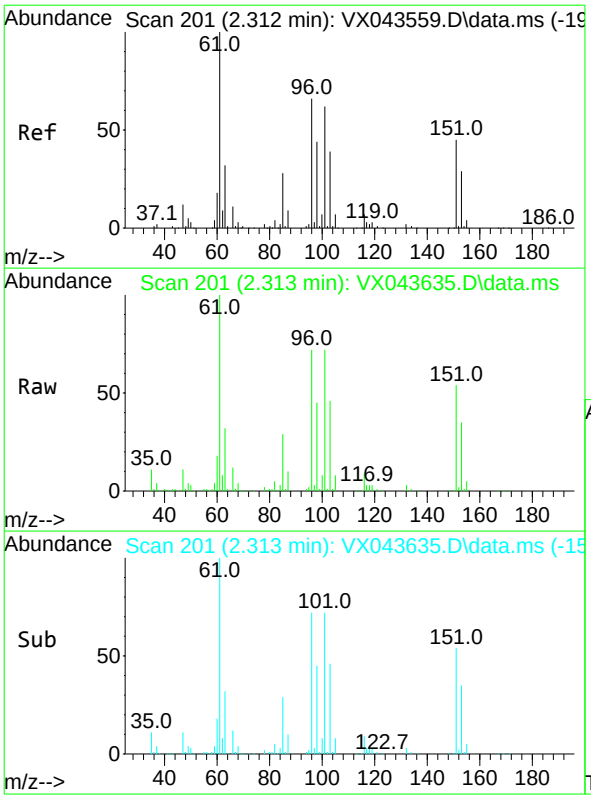


#8
Diethyl Ether
Concen: 45.591 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 74 Resp: 58194

Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.808 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

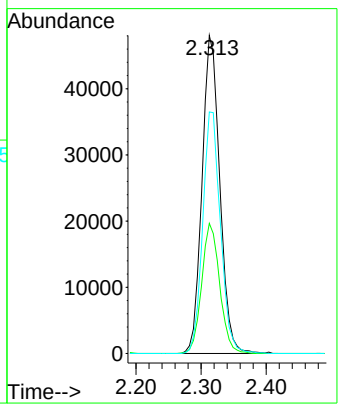
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

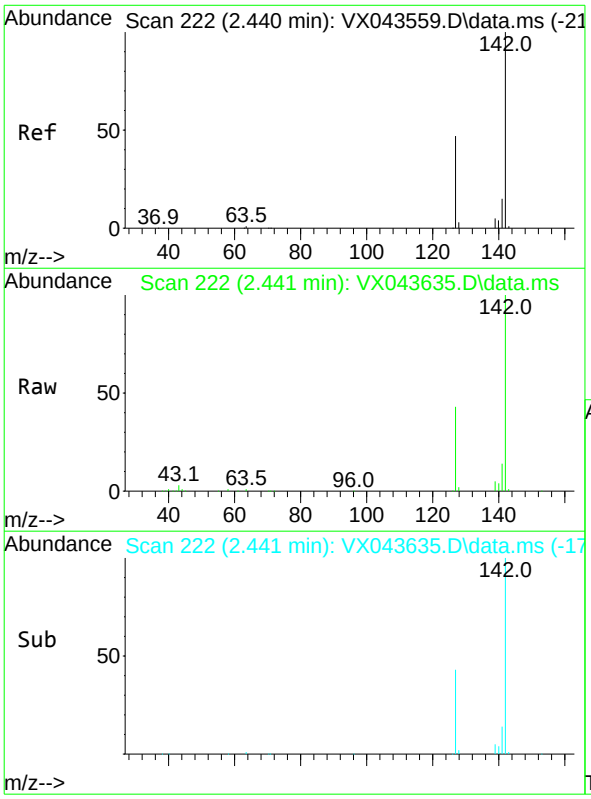
Tgt Ion:101 Resp: 91191

Ion	Ratio	Lower	Upper
101	100		
85	41.3	34.5	51.7
151	75.9	58.2	87.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

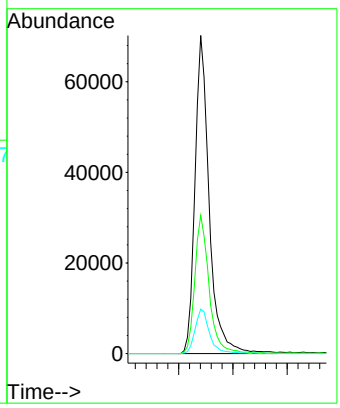


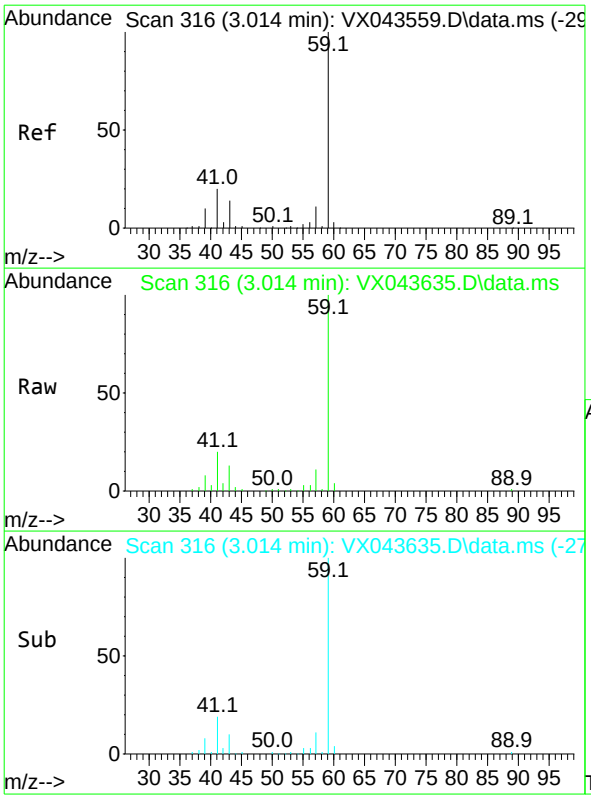


#10
Methyl Iodide
Concen: 47.361 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:142 Resp: 127844

Ion	Ratio	Lower	Upper
142	100		
127	43.6	38.2	57.4
141	14.2	11.5	17.3





#11
Tert butyl alcohol
Concen: 195.641 ug/l
RT: 3.014 min Scan# 31
Delta R.T. -0.036 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

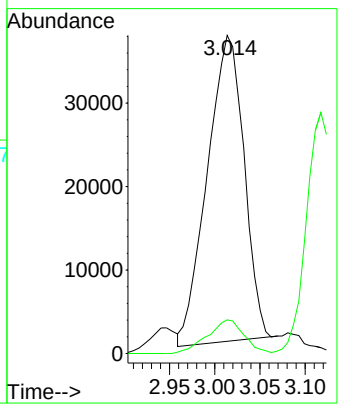
Tgt Ion: 59 Resp: 103782

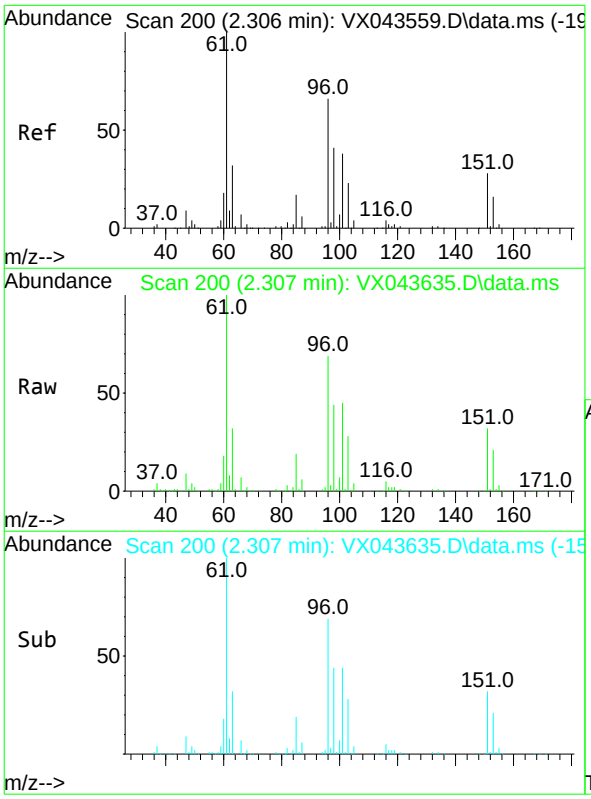
Ion	Ratio	Lower	Upper
59	100		
57	11.0	0.0	0.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

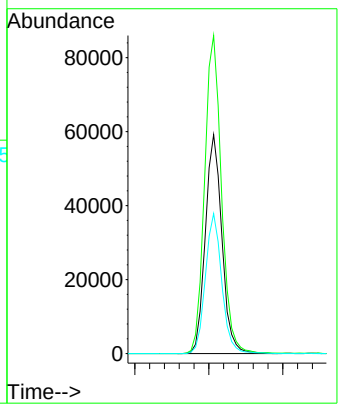


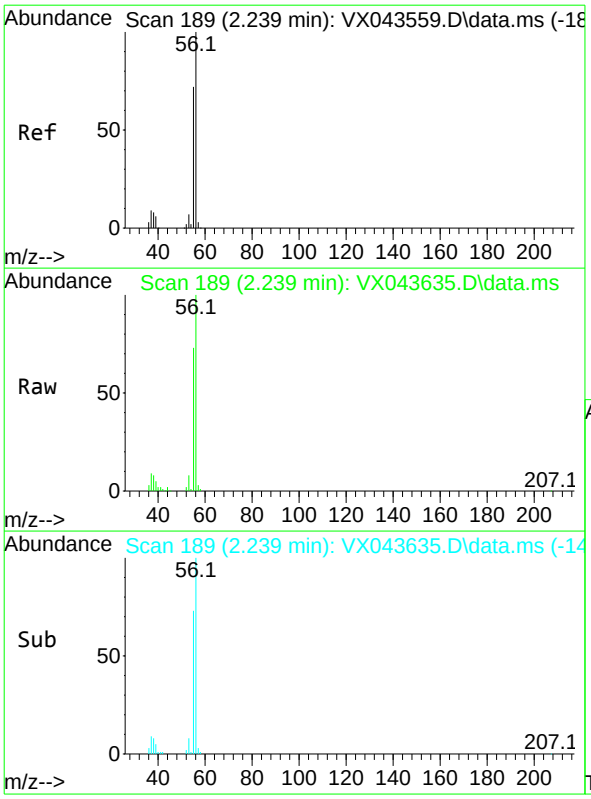


#12
1,1-Dichloroethene
Concen: 48.221 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 96 Resp: 92067

Ion	Ratio	Lower	Upper
96	100		
61	145.3	130.2	195.4
98	63.9	51.0	76.6

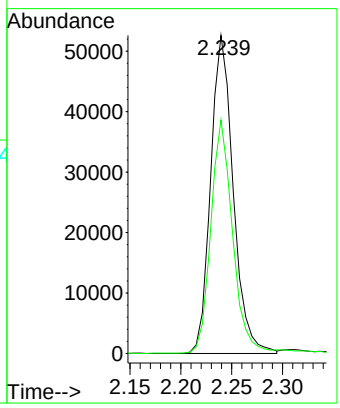




#13
Acrolein
Concen: 195.607 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 56 Resp: 81147

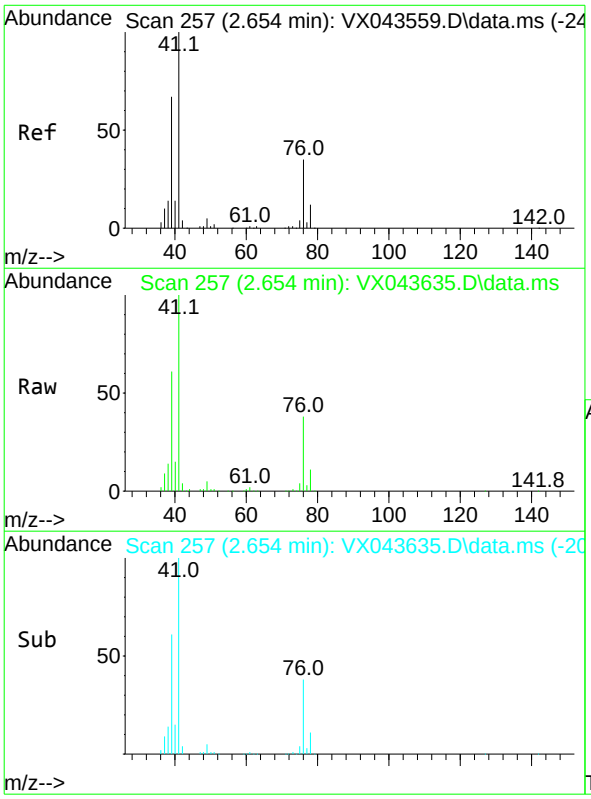
Ion	Ratio	Lower	Upper
56	100		
55	71.7	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

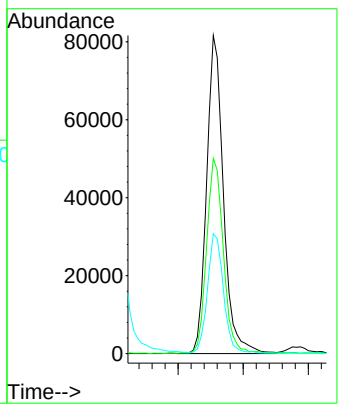
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

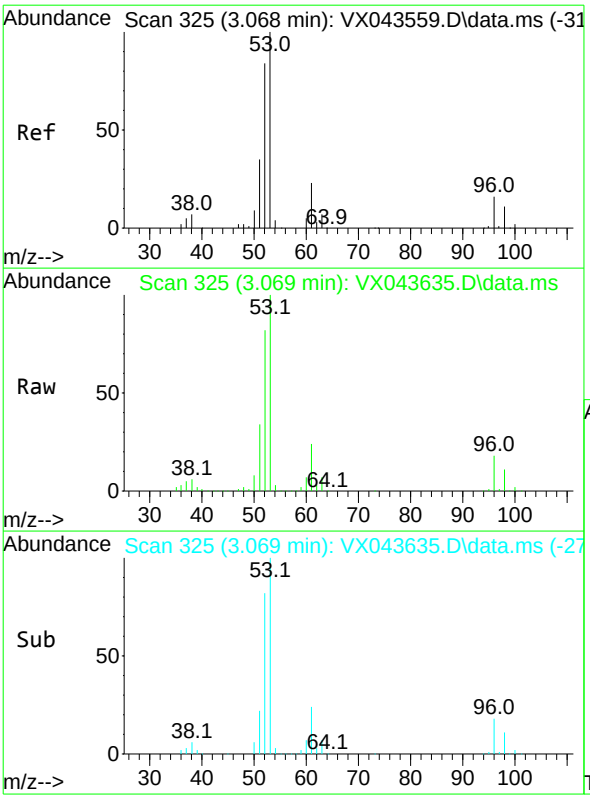


#14
Allyl chloride
Concen: 44.352 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 41 Resp: 146465

Ion	Ratio	Lower	Upper
41	100		
39	60.9	53.2	79.8
76	36.2	27.0	40.6

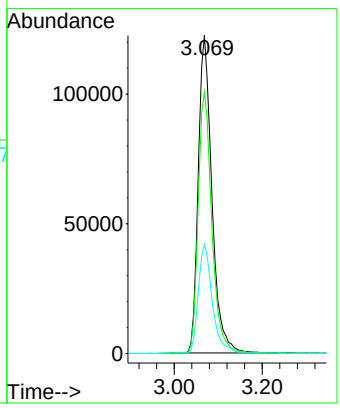




#15
Acrylonitrile
Concen: 220.072 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 53 Resp: 263576

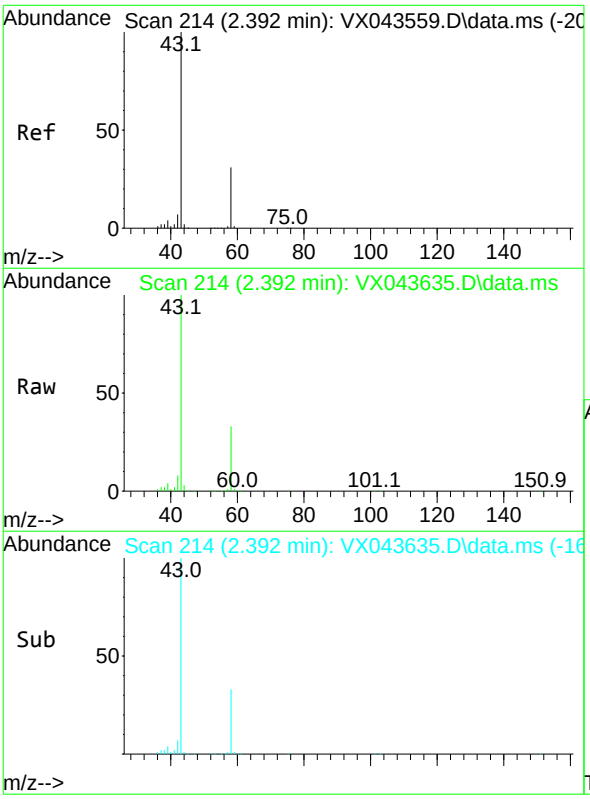
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.6
51	35.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

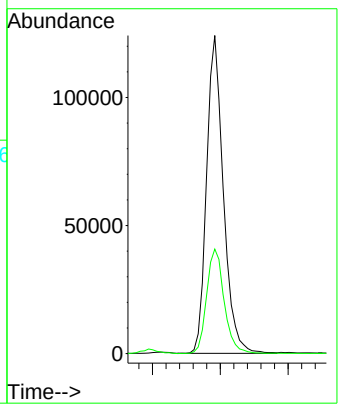
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

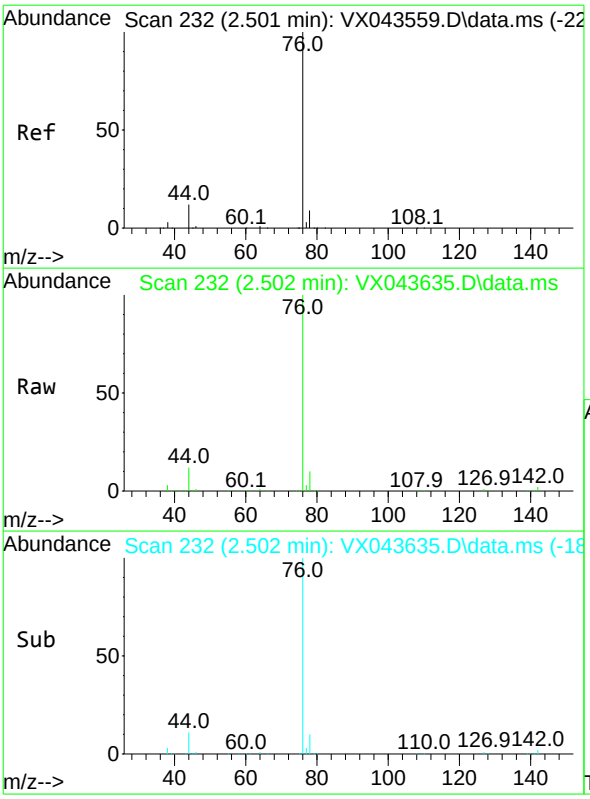


#16
Acetone
Concen: 188.800 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 213080

Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.1	37.7

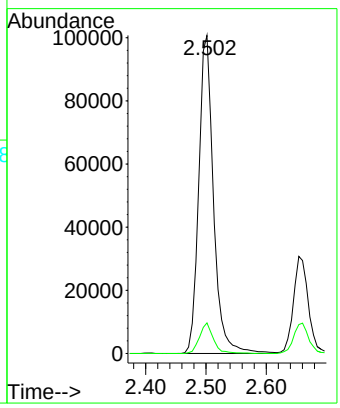




#17
Carbon Disulfide
Concen: 42.877 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 76 Resp: 171185

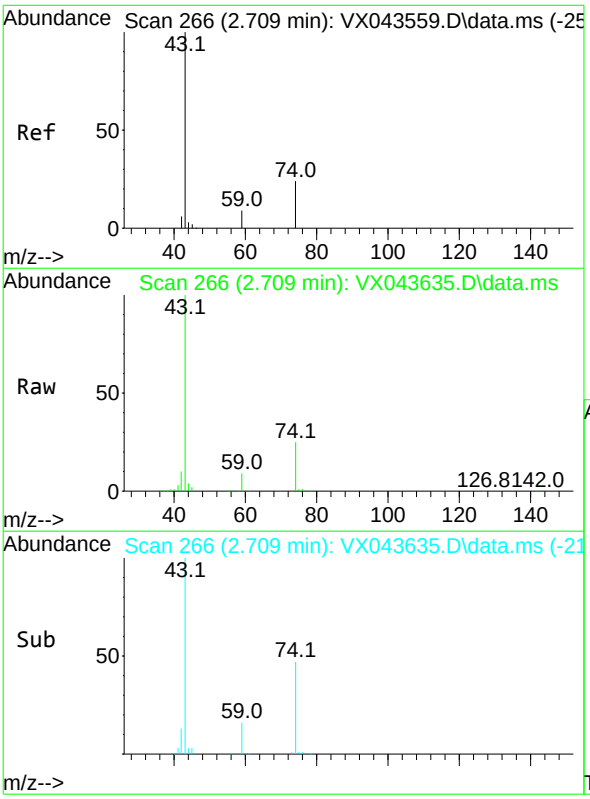
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

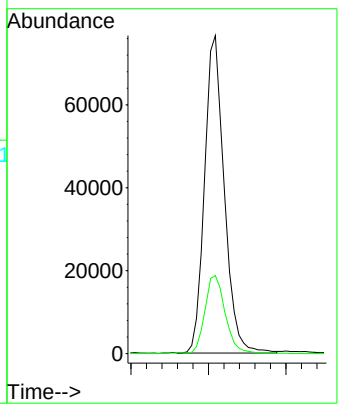
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

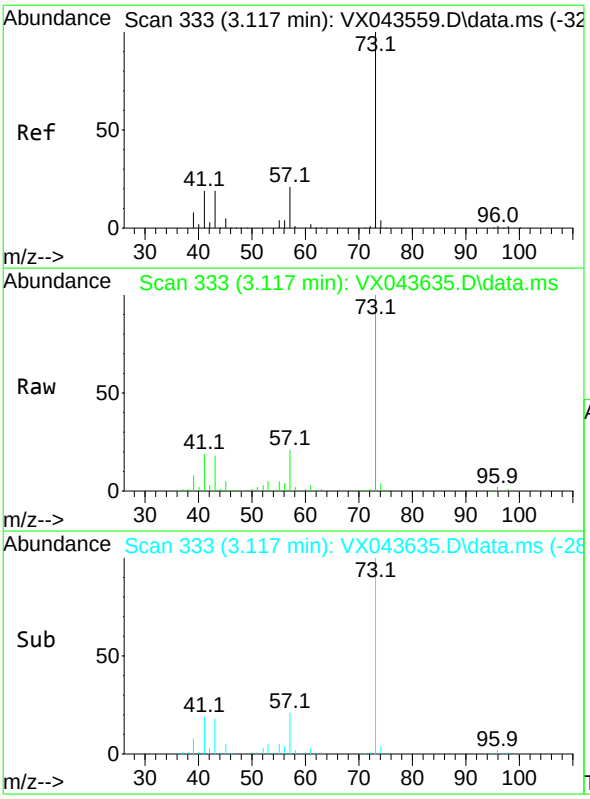


#18
Methyl Acetate
Concen: 41.043 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 135378

Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.1	28.7

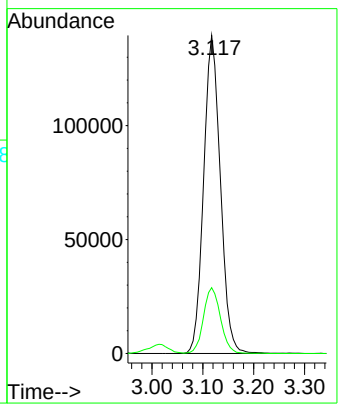




#19
Methyl tert-butyl Ether
Concen: 43.949 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 73 Resp: 319117

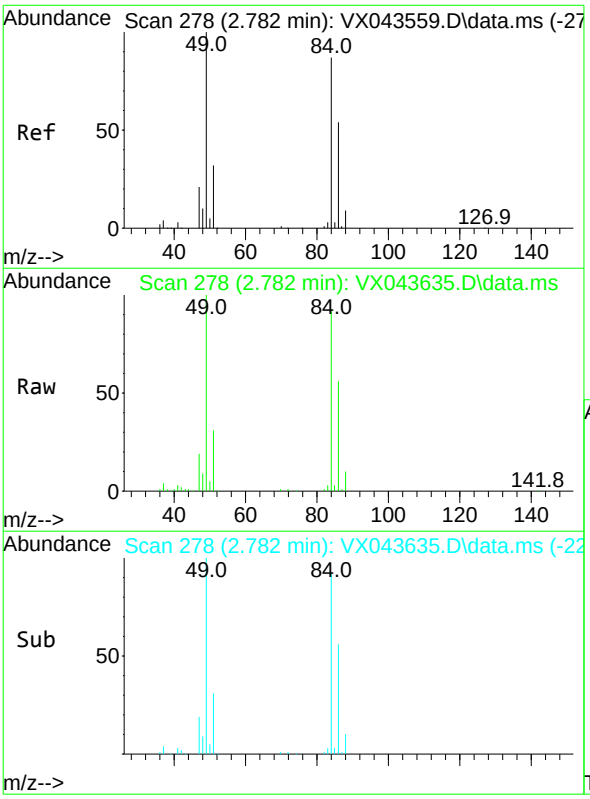
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

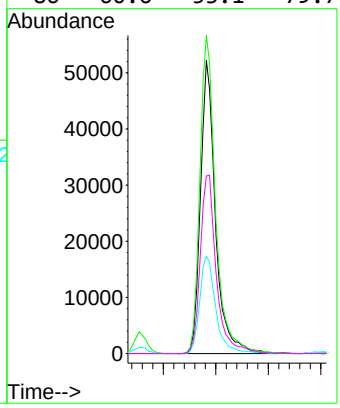
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

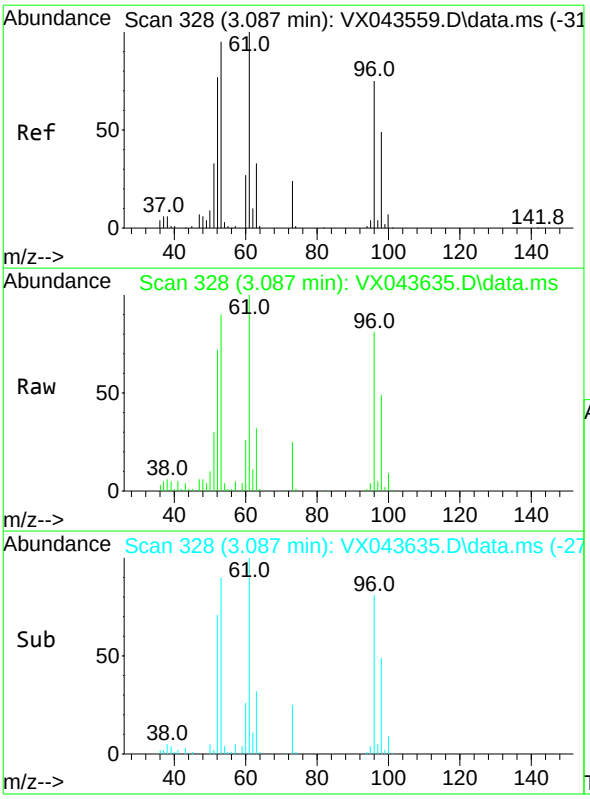


#20
Methylene Chloride
Concen: 42.541 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 84 Resp: 103475

Ion	Ratio	Lower	Upper
84	100		
49	108.5	97.0	145.6
51	33.2	29.8	44.8
86	60.6	53.1	79.7

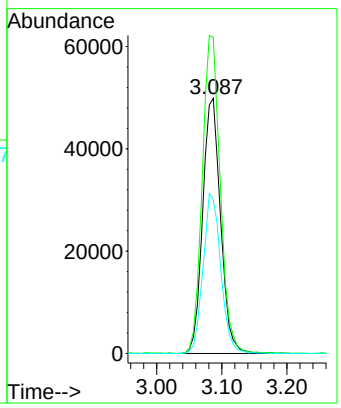




#21
trans-1,2-Dichloroethene
Concen: 47.270 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 96 Resp: 95349

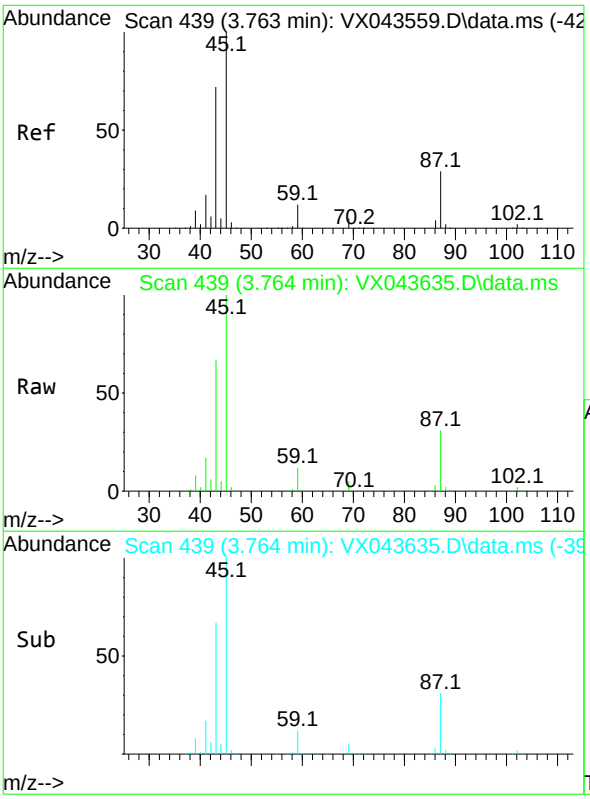
Ion	Ratio	Lower	Upper
96	100		
61	123.8	107.1	160.7
98	60.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

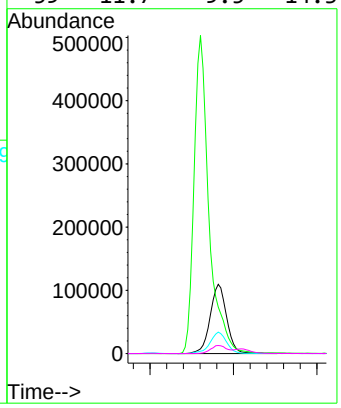
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

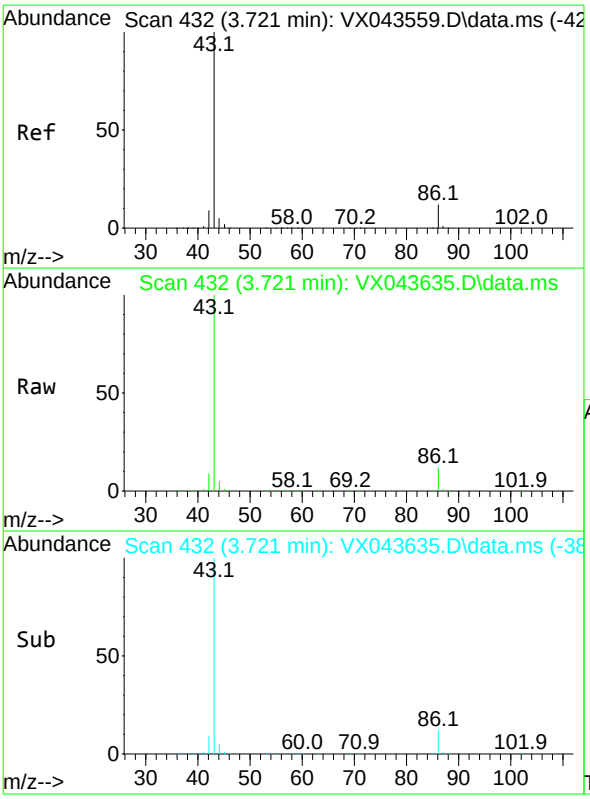


#22
Diisopropyl ether
Concen: 44.002 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 45 Resp: 300353

Ion	Ratio	Lower	Upper
45	100		
43	67.2	60.6	90.8
87	31.0	22.0	33.0
59	11.7	9.5	14.3





#23
Vinyl Acetate
Concen: 221.516 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

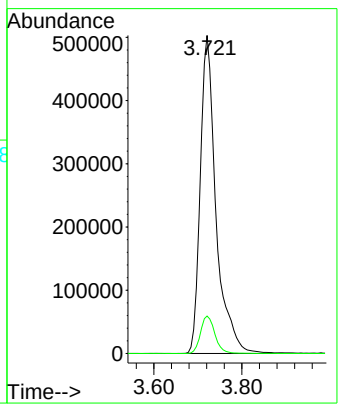
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

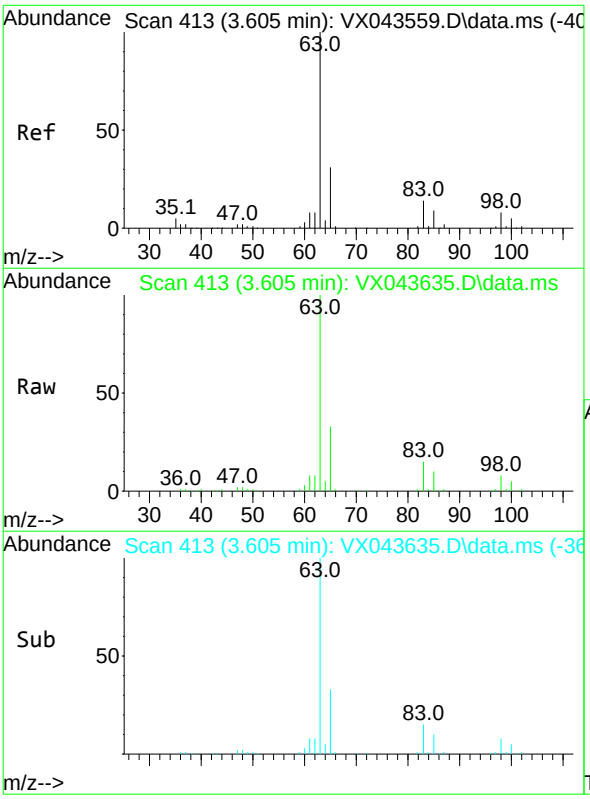
Tgt Ion: 43 Resp: 1249182

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

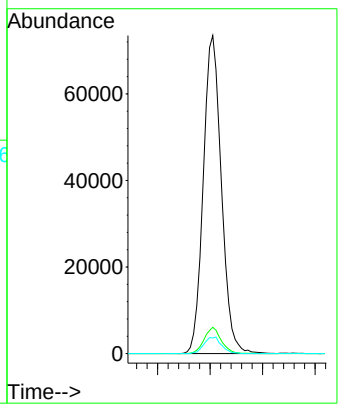


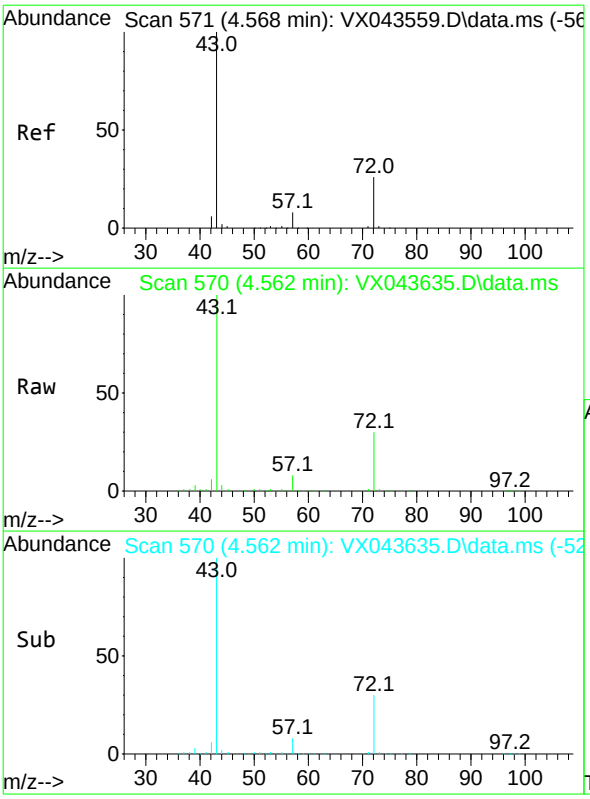


#24
1,1-Dichloroethane
Concen: 44.839 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 63 Resp: 175913

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.4
100	4.9	2.4	7.2

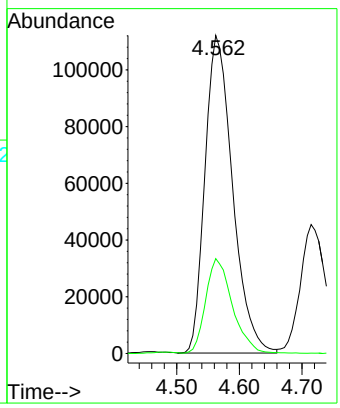




#25
2-Butanone
Concen: 208.407 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 343103

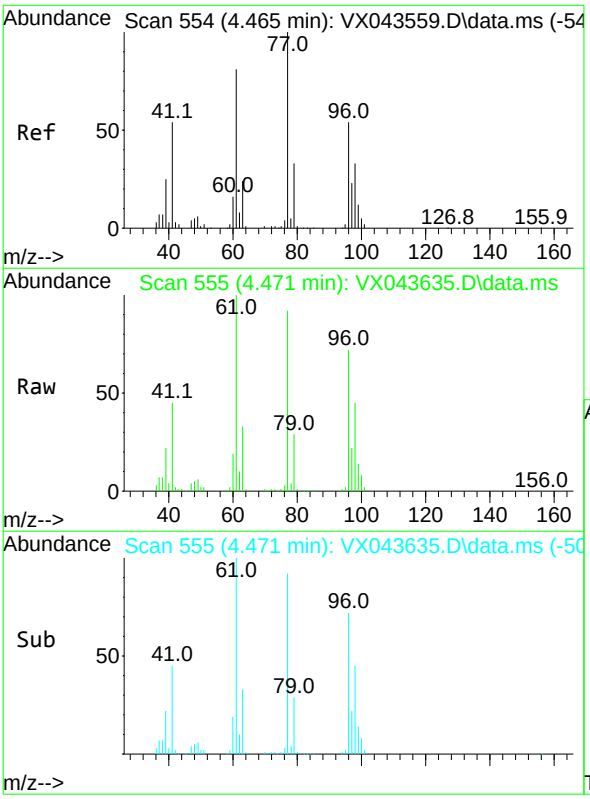
Ion	Ratio	Lower	Upper
43	100		
72	29.6	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

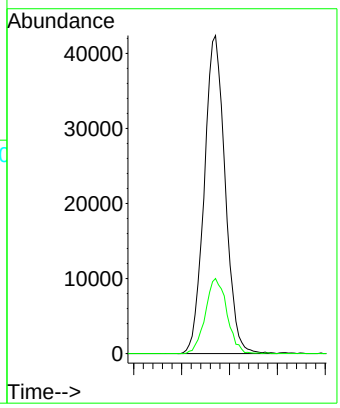
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

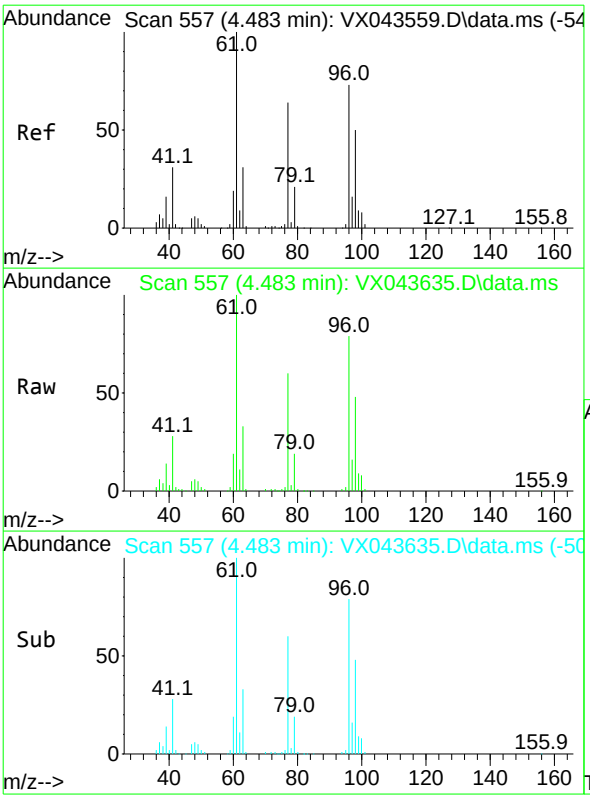


#26
2,2-Dichloropropane
Concen: 39.976 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 77 Resp: 128379

Ion	Ratio	Lower	Upper
77	100		
97	24.4	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 46.591 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

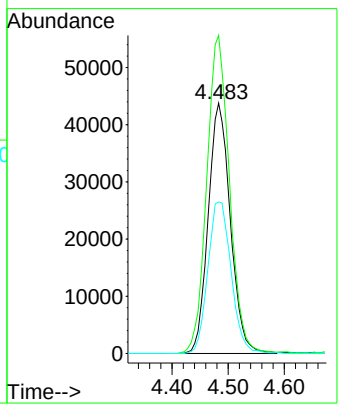
Tgt Ion: 96 Resp: 120050

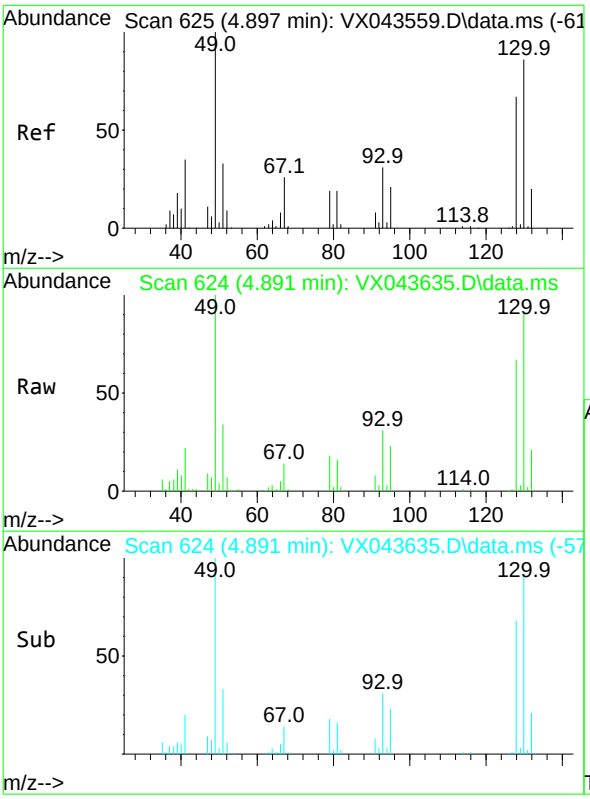
Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	277.2
98	63.6	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

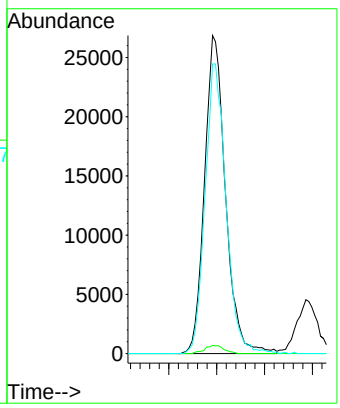


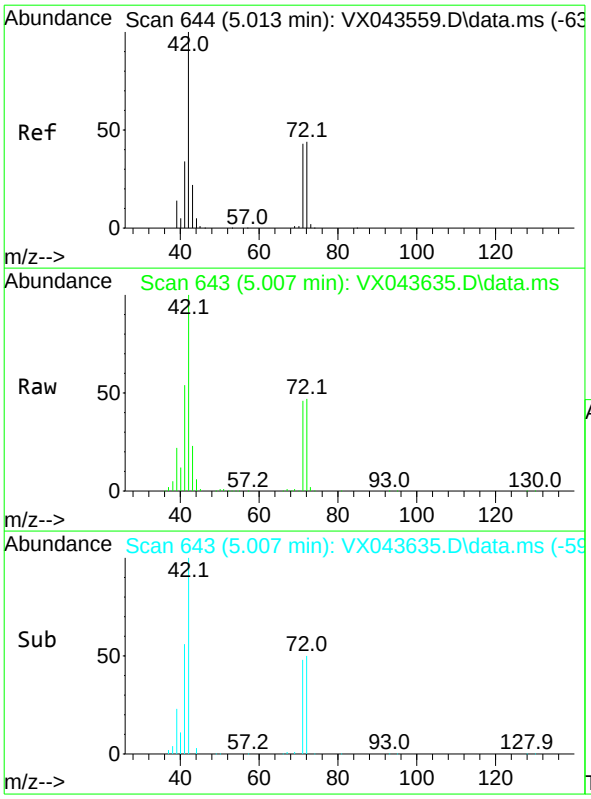


#28
Bromochloromethane
Concen: 43.742 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 49 Resp: 81637

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	91.3	67.8	101.8

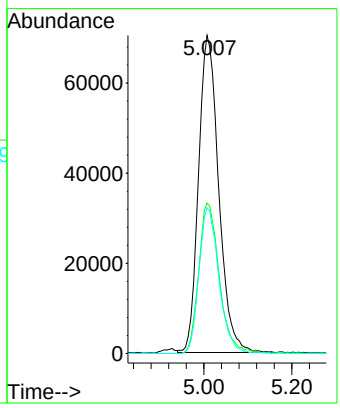




#29
Tetrahydrofuran
Concen: 209.558 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 42 Resp: 224202

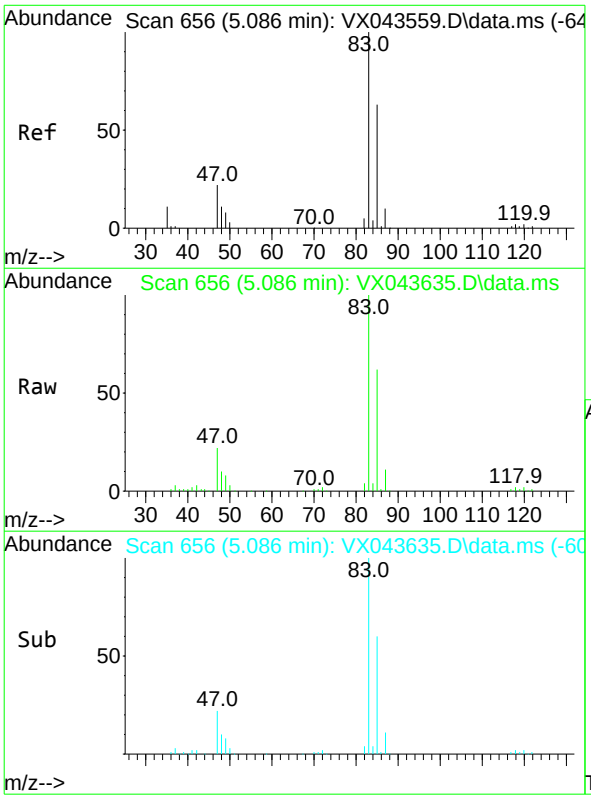
Ion	Ratio	Lower	Upper
42	100		
72	48.4	36.6	55.0
71	45.3	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

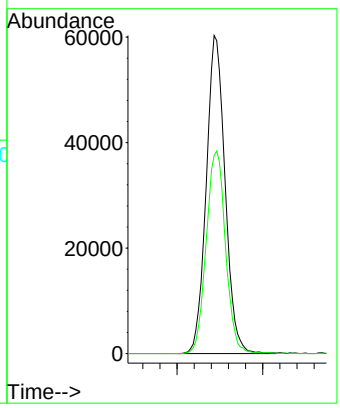
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

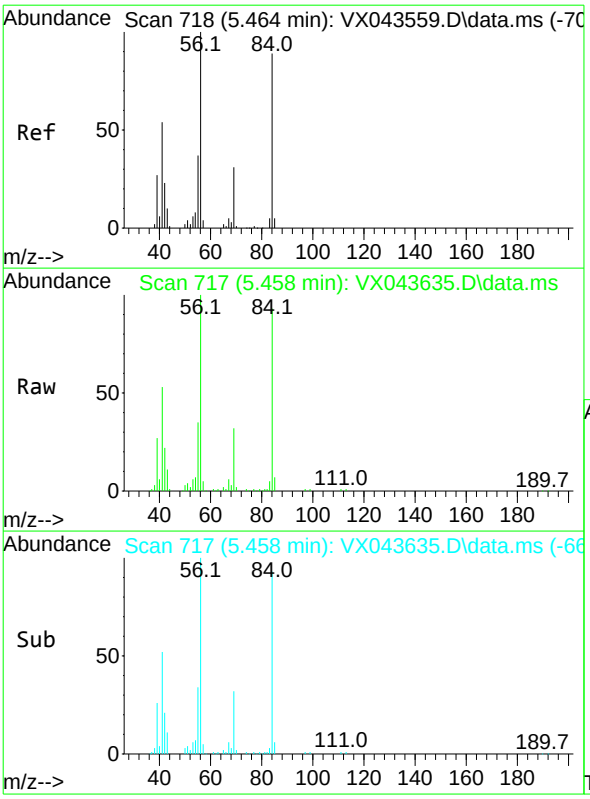


#30
Chloroform
Concen: 44.816 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 83 Resp: 184309

Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.2	78.4

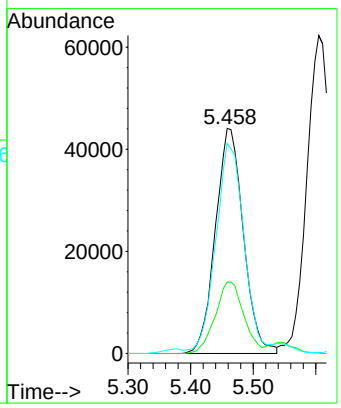




#31
Cyclohexane
Concen: 45.598 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 56 Resp: 136826

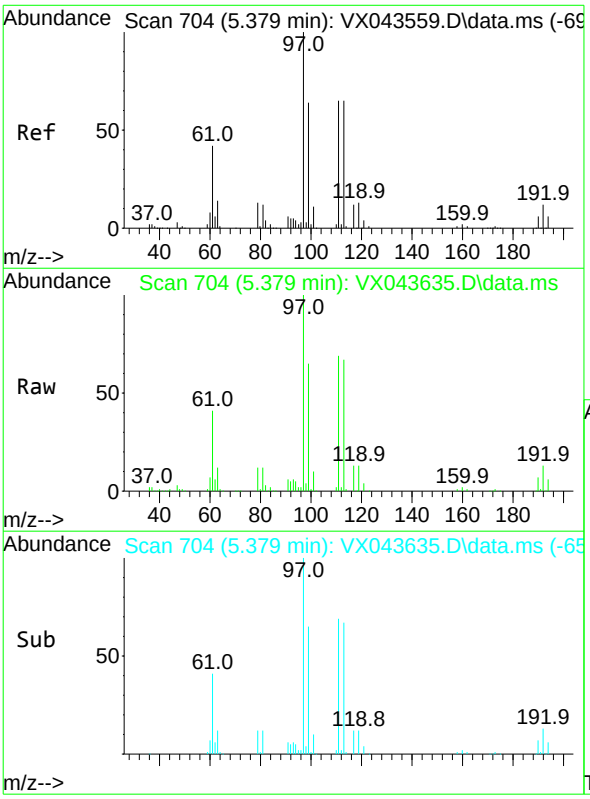
Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.9	37.3
84	91.4	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

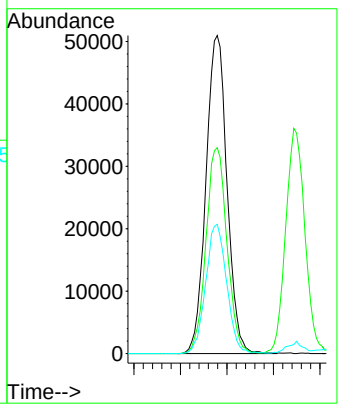
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

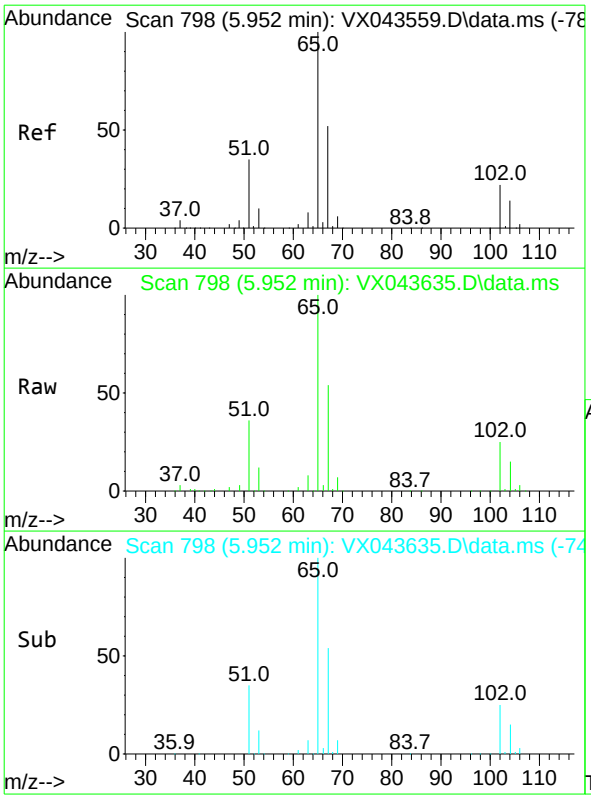


#32
1,1,1-Trichloroethane
Concen: 46.410 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 97 Resp: 160242

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	40.6	34.0	51.0

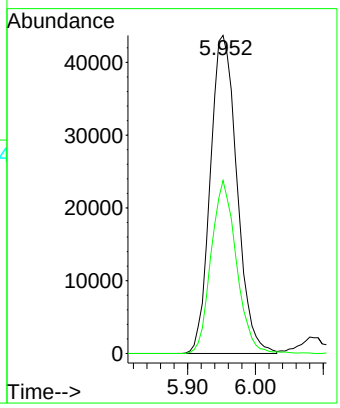




#33
1,2-Dichloroethane-d4
Concen: 41.925 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 65 Resp: 119154

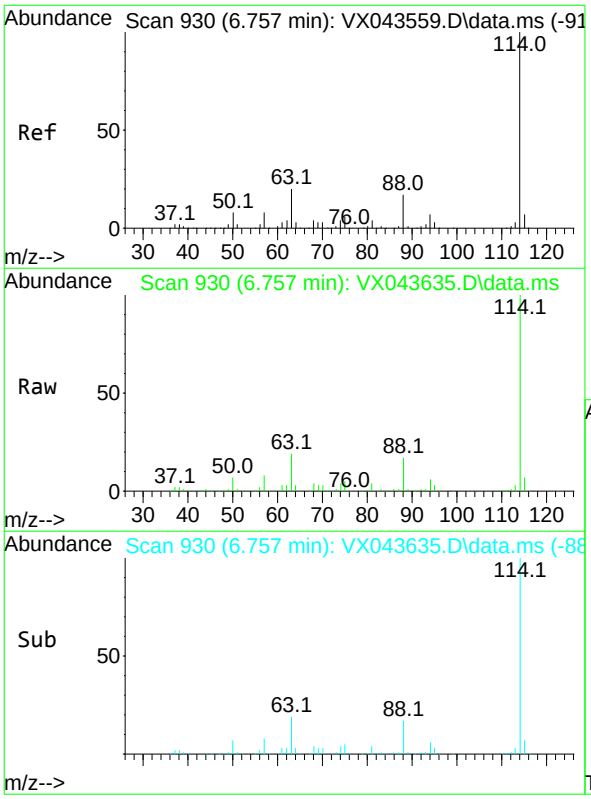
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

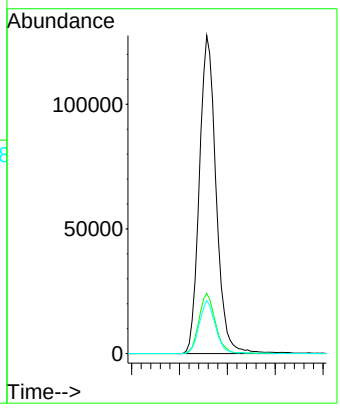
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

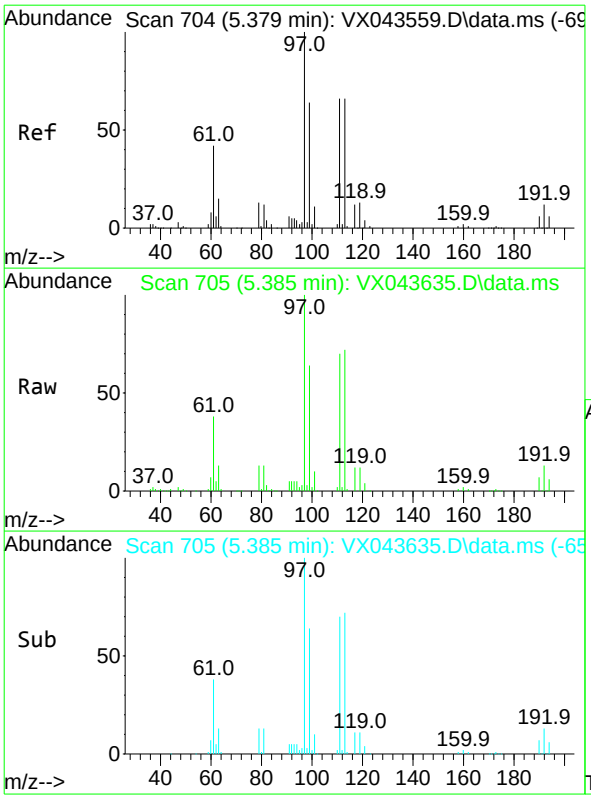


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:114 Resp: 309741

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	41.2
88	16.6	0.0	34.0

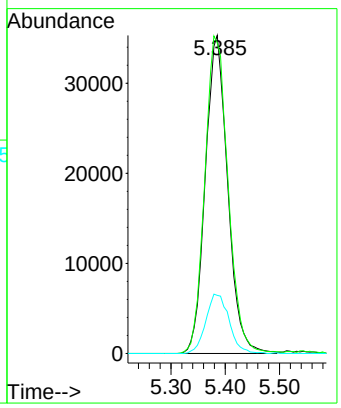




#35
Dibromofluoromethane
Concen: 48.145 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:113 Resp: 101122

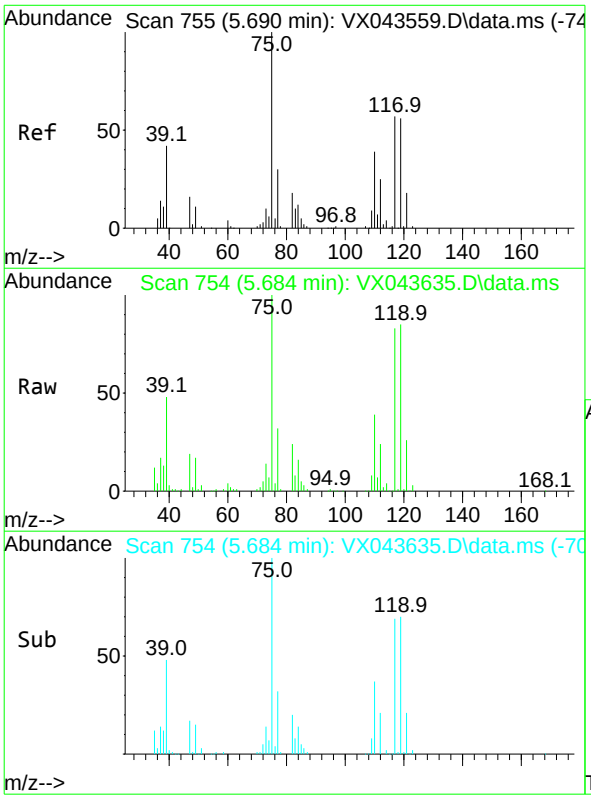
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.0
192	19.4	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

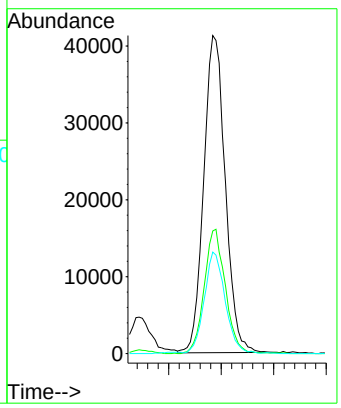
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

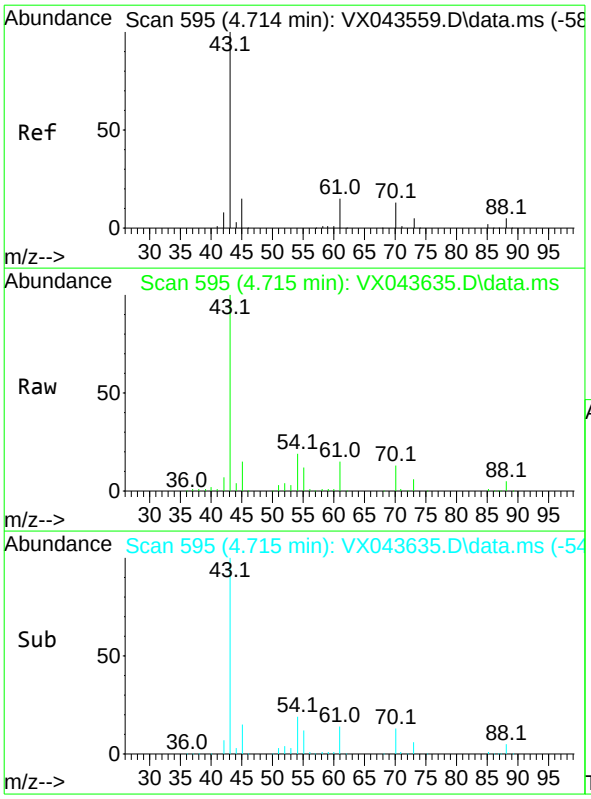


#36
1,1-Dichloropropene
Concen: 47.200 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 117552

Ion	Ratio	Lower	Upper
75	100		
110	38.4	17.9	53.7
77	30.8	25.0	37.4





#37
Ethyl Acetate
Concen: 44.228 ug/l
RT: 4.715 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

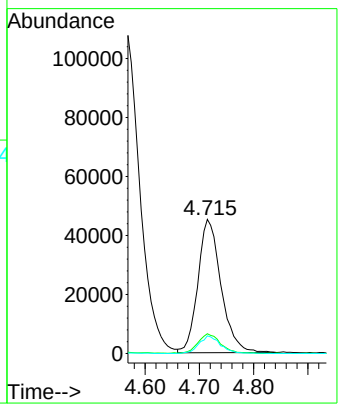
Tgt Ion: 43 Resp: 133728

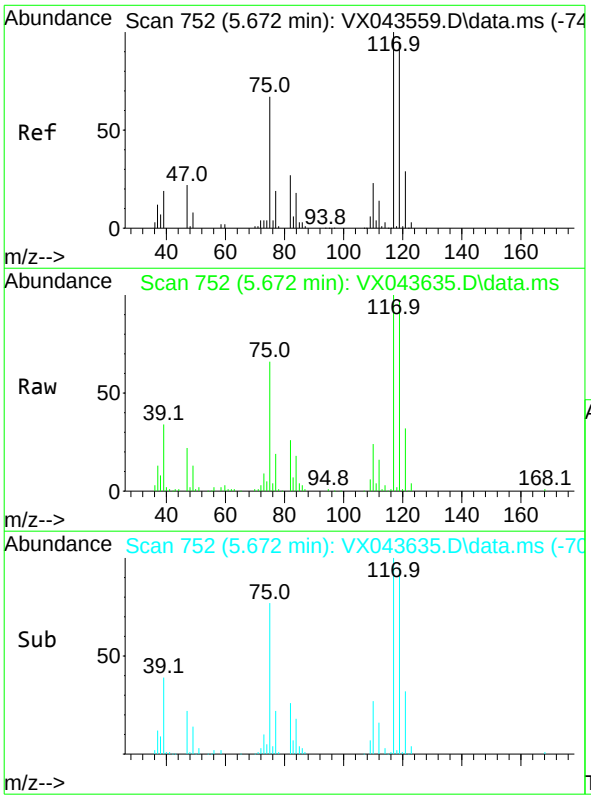
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	12.2	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

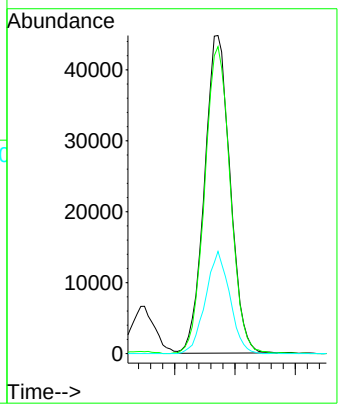


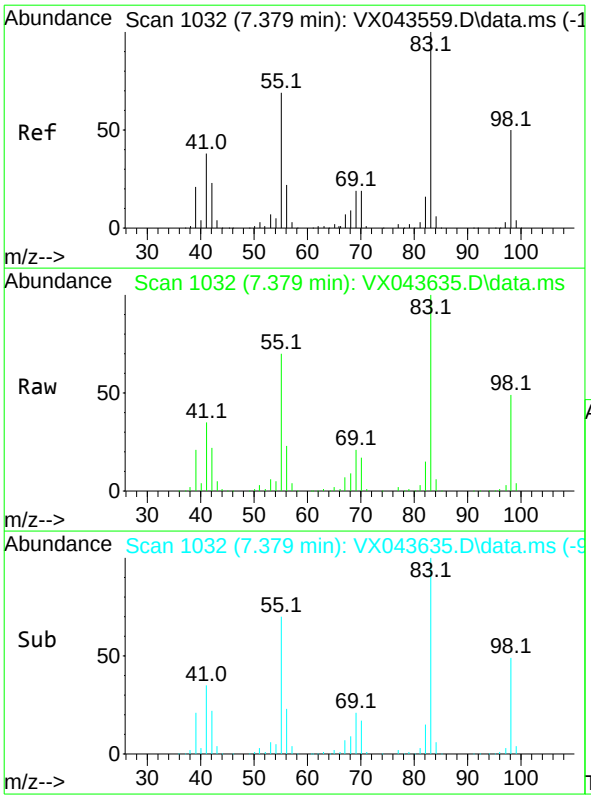


#38
Carbon Tetrachloride
Concen: 48.140 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:117 Resp: 132473

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
121	32.2	24.7	37.1

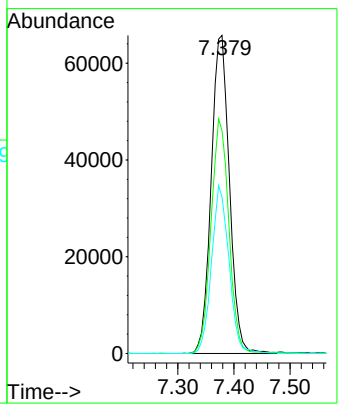




#39
Methylcyclohexane
Concen: 48.050 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 83 Resp: 148577

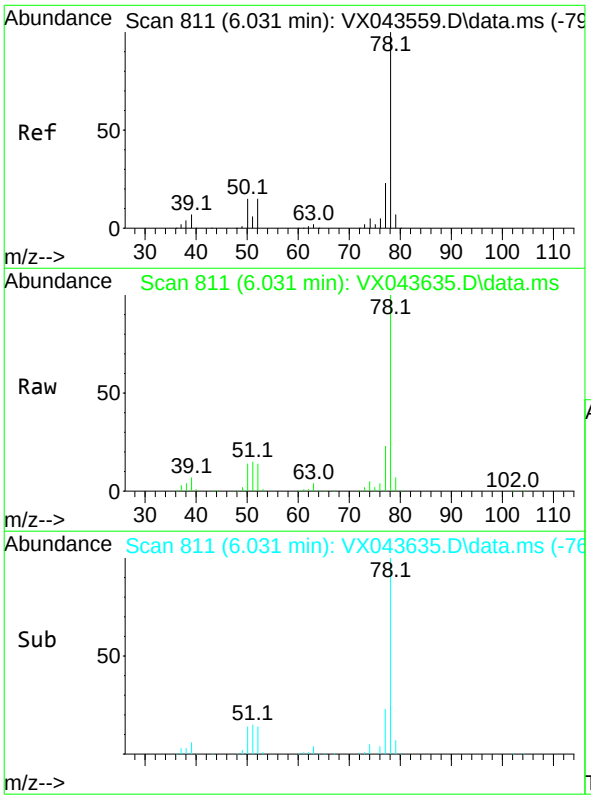
Ion	Ratio	Lower	Upper
83	100		
55	70.0	59.9	89.9
98	49.1	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

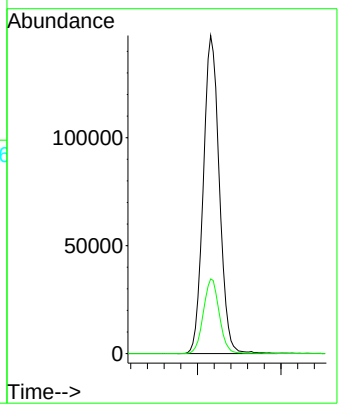
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

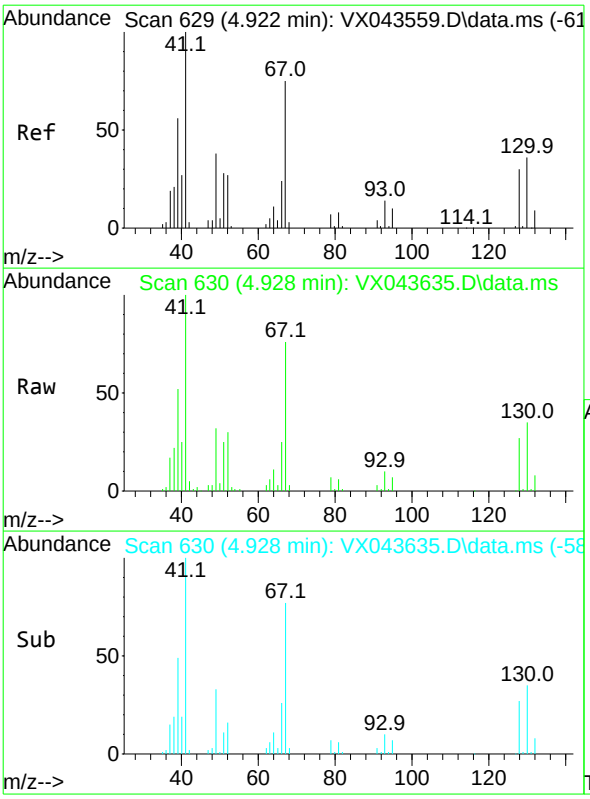


#40
Benzene
Concen: 47.238 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 78 Resp: 392480

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6

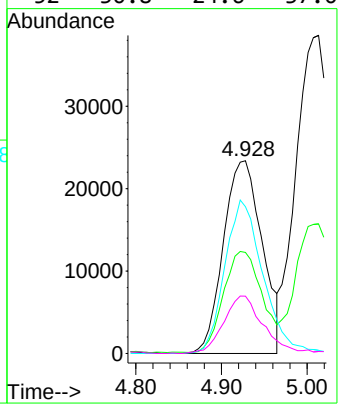




#41
Methacrylonitrile
Concen: 46.454 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 41 Resp: 73728

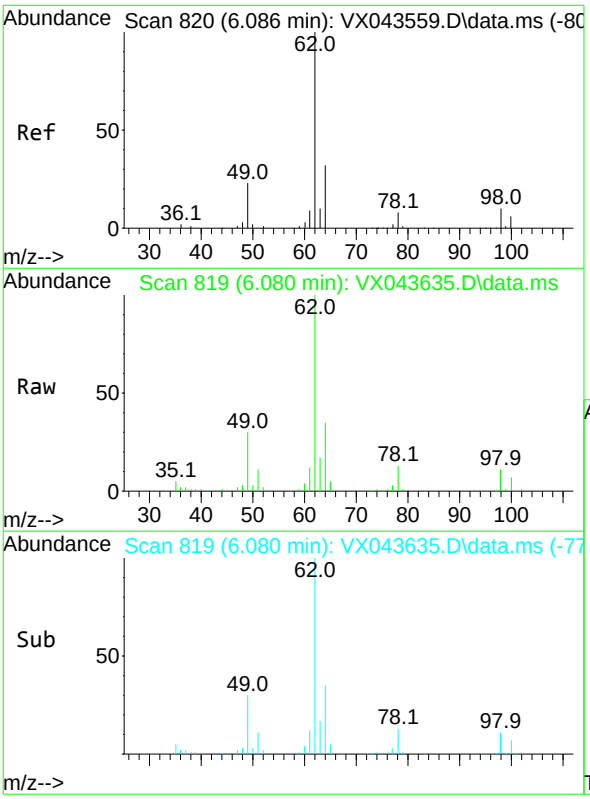
Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.5	65.3
67	78.6	58.3	87.5
52	30.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

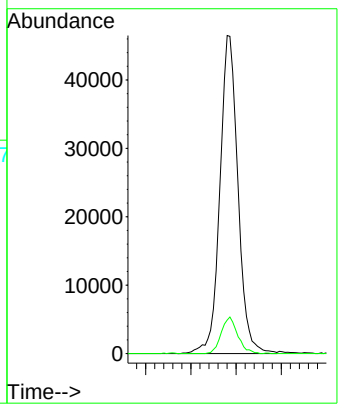
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

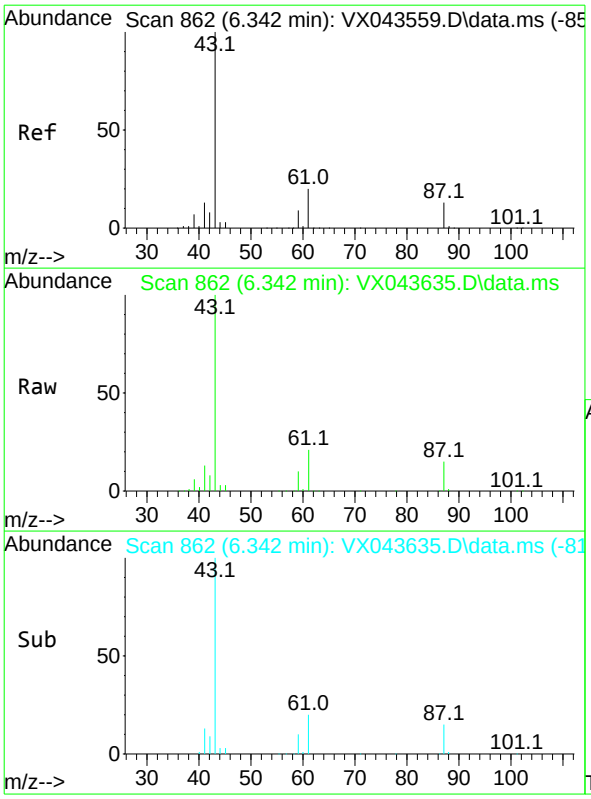


#42
1,2-Dichloroethane
Concen: 43.203 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 62 Resp: 129043

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	18.8

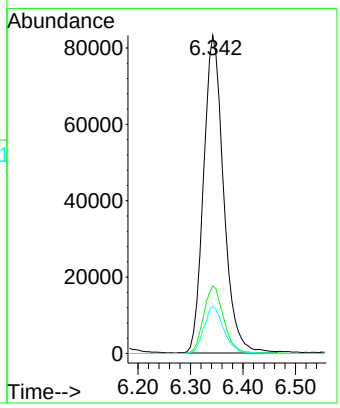




#43
Isopropyl Acetate
Concen: 43.998 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 220004

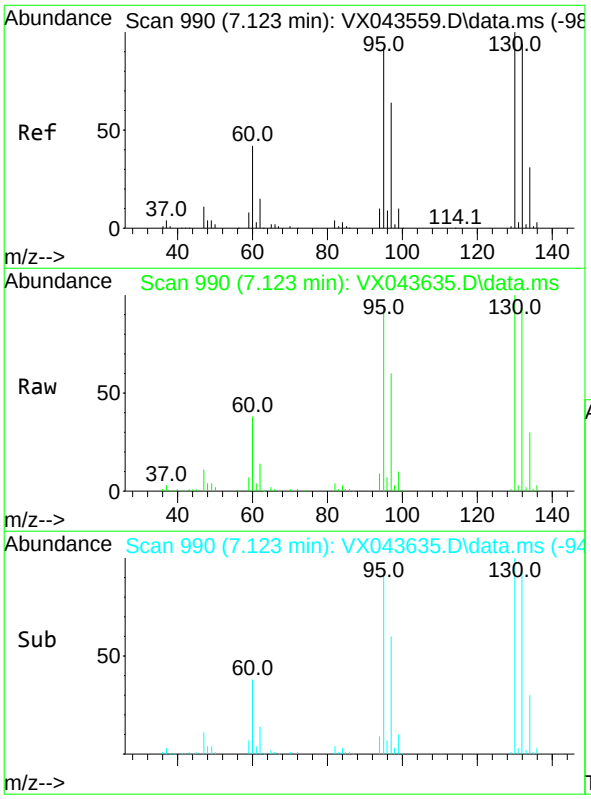
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.2	24.4
87	14.8	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

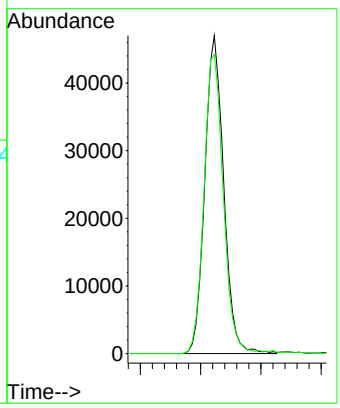
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

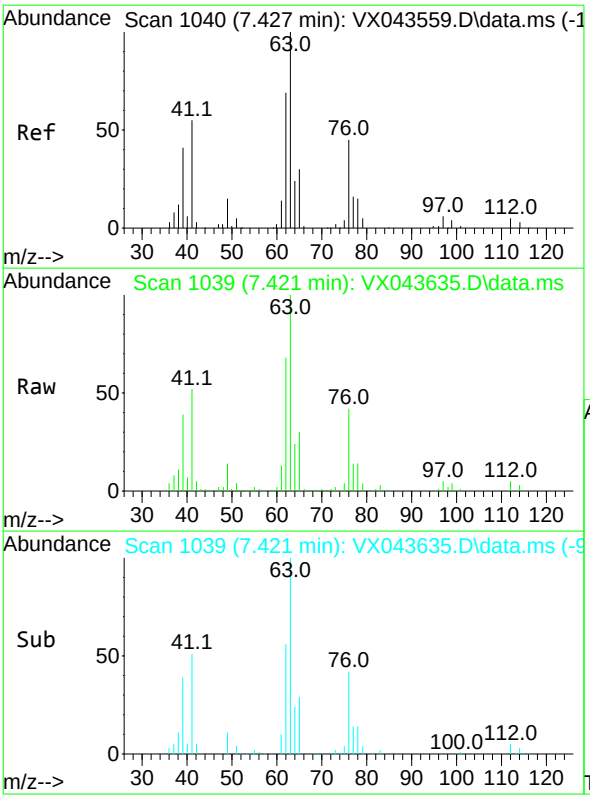


#44
Trichloroethene
Concen: 49.561 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:130 Resp: 102297

Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	202.6

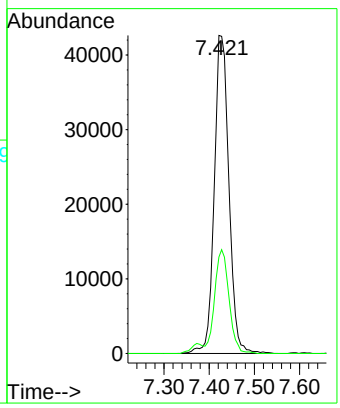




#45
1,2-Dichloropropane
Concen: 46.915 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 63 Resp: 95978

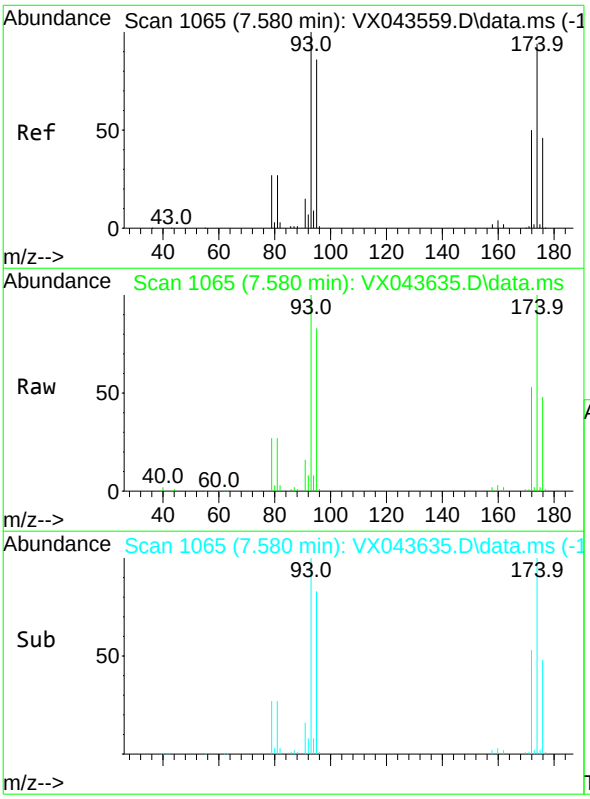
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

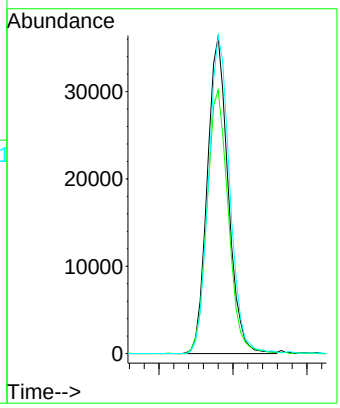
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

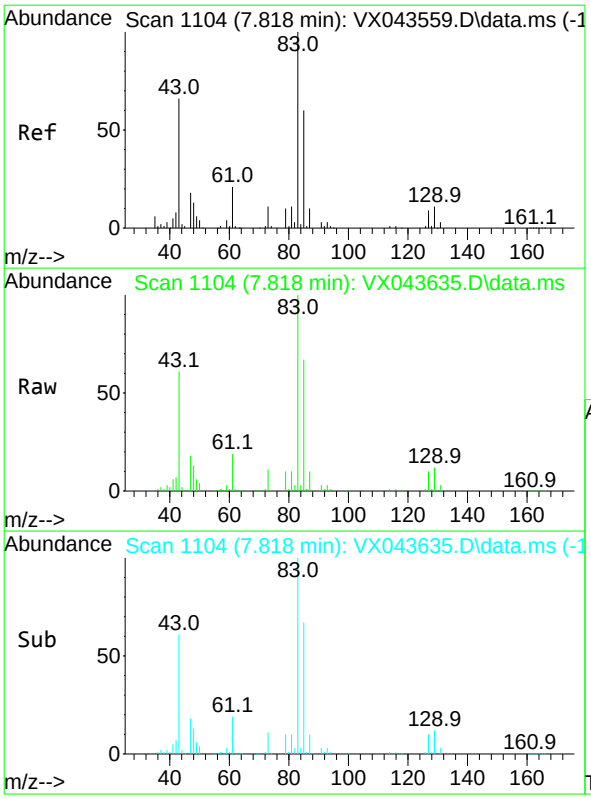


#46
Dibromomethane
Concen: 45.058 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 93 Resp: 70976

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.4	99.6
174	102.1	75.0	112.4

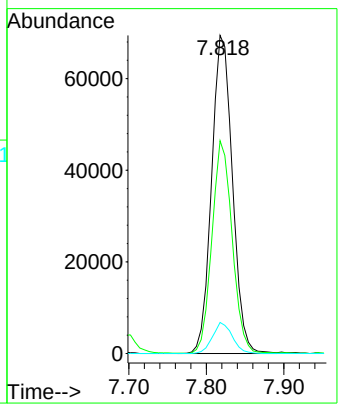




#47
Bromodichloromethane
Concen: 46.992 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 83 Resp: 129855

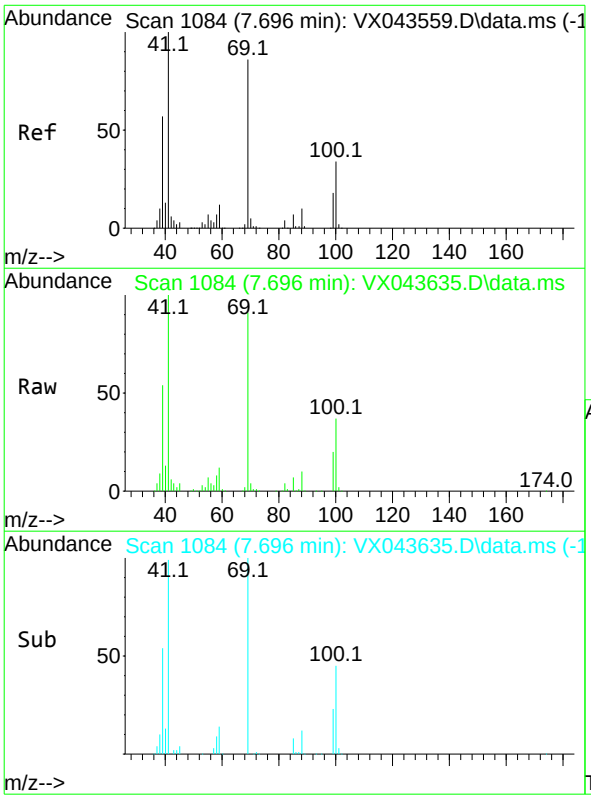
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4
127	9.8	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

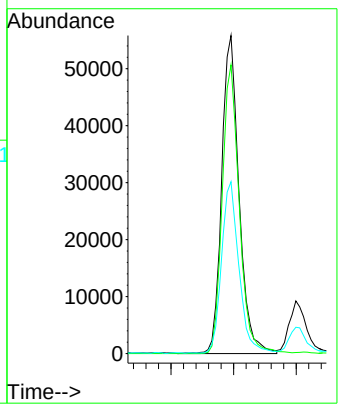
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

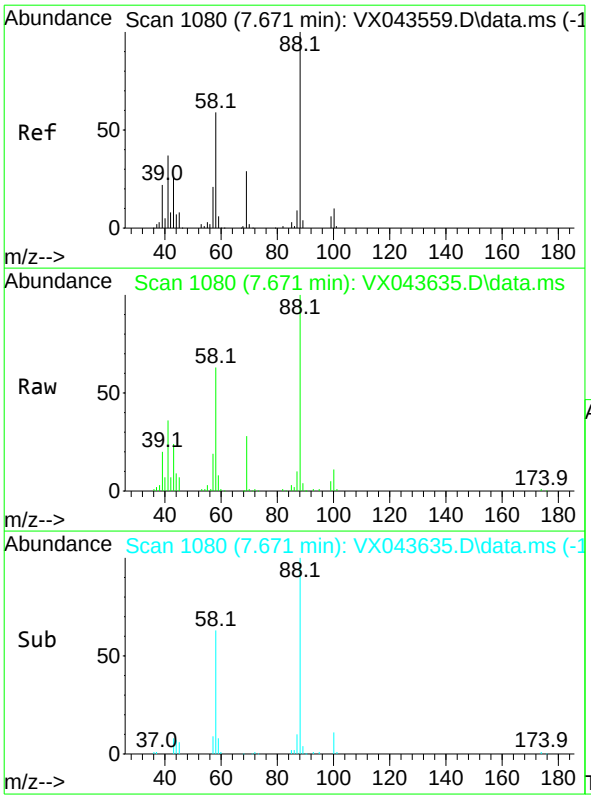


#48
Methyl methacrylate
Concen: 45.277 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 41 Resp: 107340

Ion	Ratio	Lower	Upper
41	100		
69	89.1	67.7	101.5
39	53.5	46.3	69.5

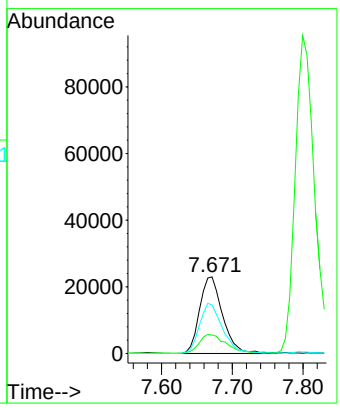




#49
1,4-Dioxane
Concen: 1064.890 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 88 Resp: 51867

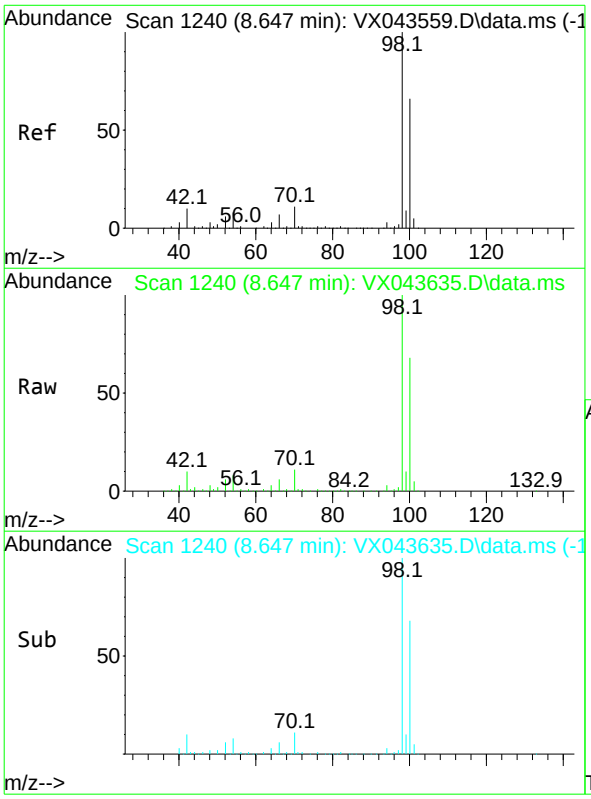
Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.3	37.9
58	65.7	53.9	80.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

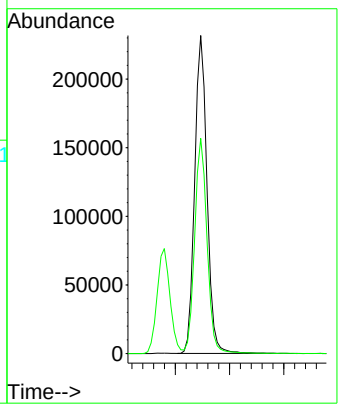
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

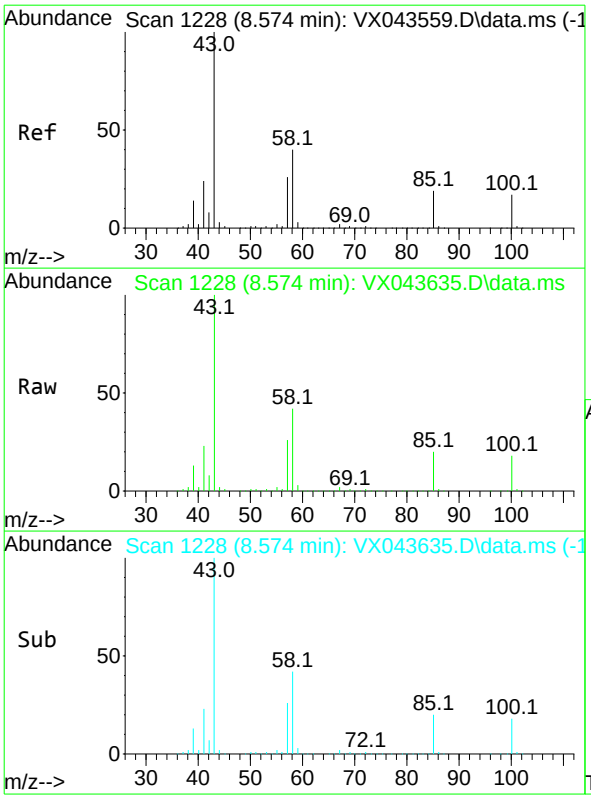


#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 98 Resp: 364584

Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.4	80.2

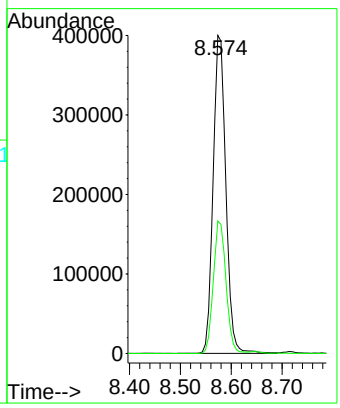




#51
4-Methyl-2-Pentanone
Concen: 227.662 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 693837

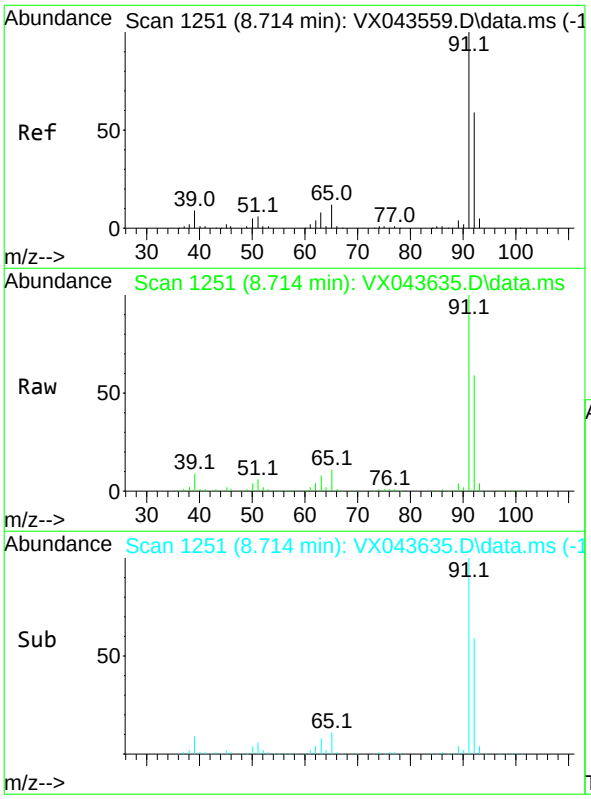
Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

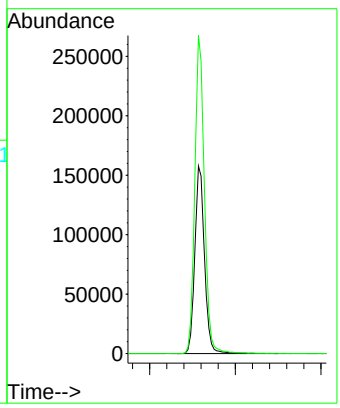
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

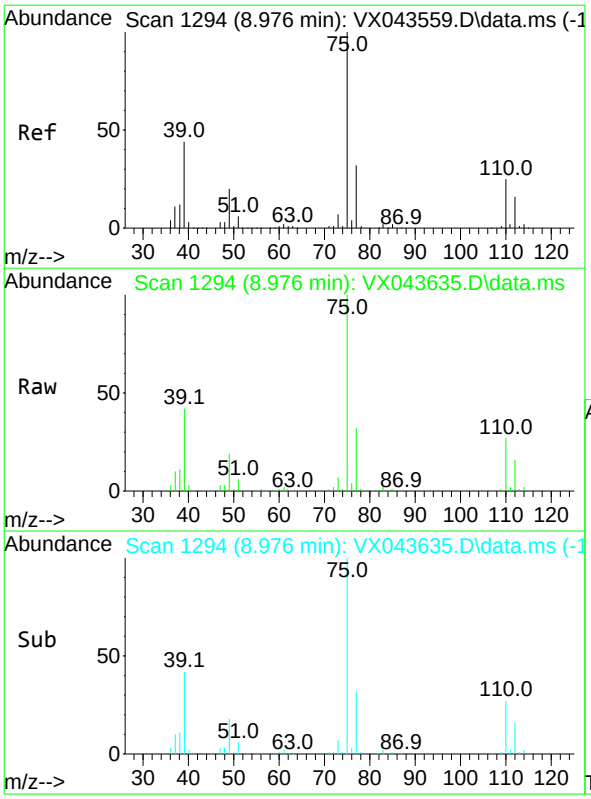


#52
Toluene
Concen: 49.134 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 92 Resp: 247578

Ion	Ratio	Lower	Upper
92	100		
91	168.2	135.7	203.5

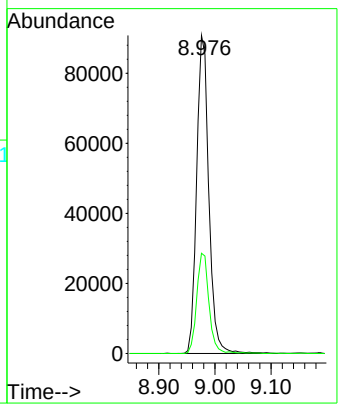




#53
t-1,3-Dichloropropene
Concen: 46.012 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 136565

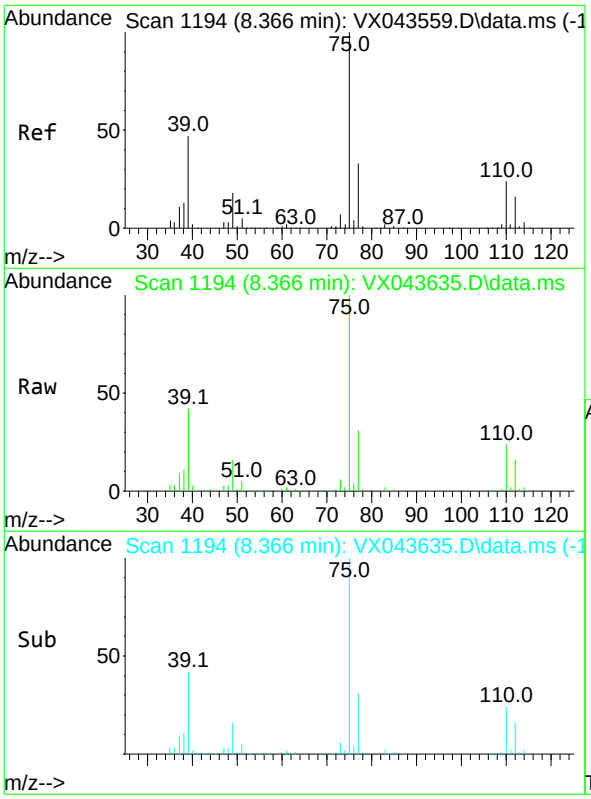
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

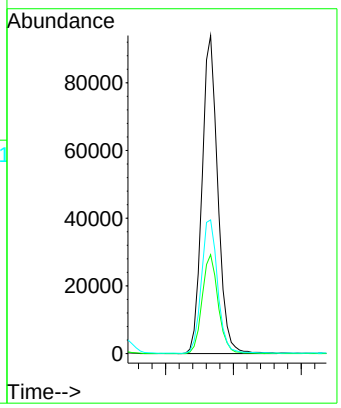
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

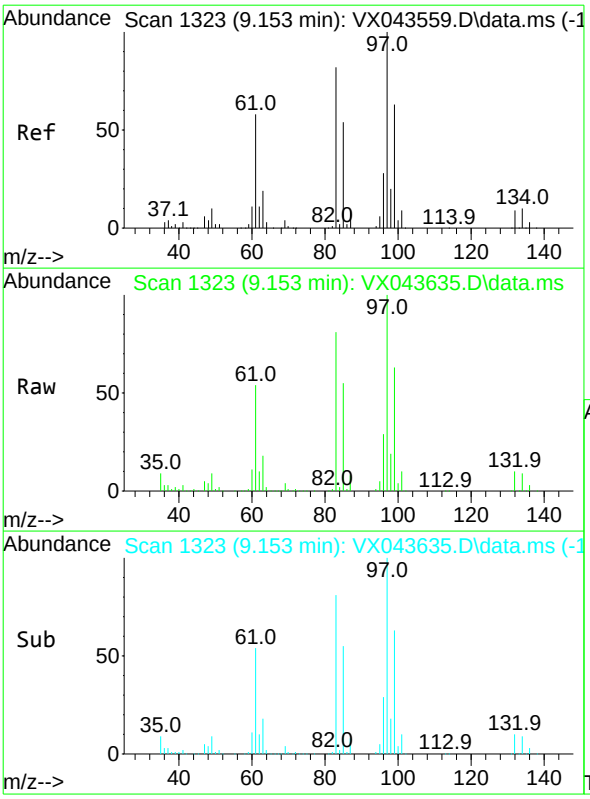


#54
cis-1,3-Dichloropropene
Concen: 47.908 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 151502

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	41.9	37.7	56.5

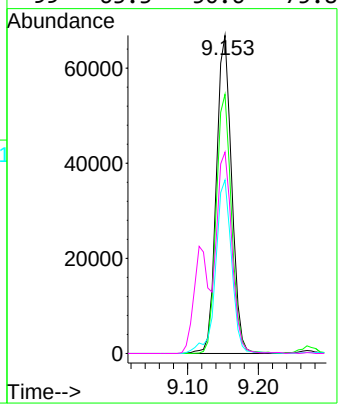




#55
1,1,2-Trichloroethane
Concen: 47.983 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 97 Resp: 100639

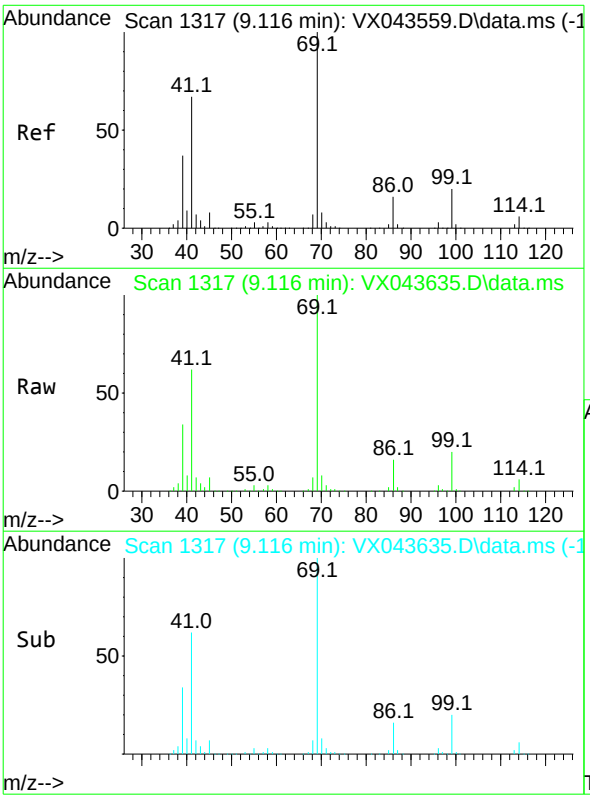
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.3	100.9
85	54.5	43.6	65.4
99	63.3	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

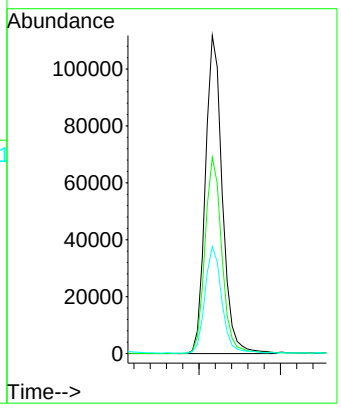
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

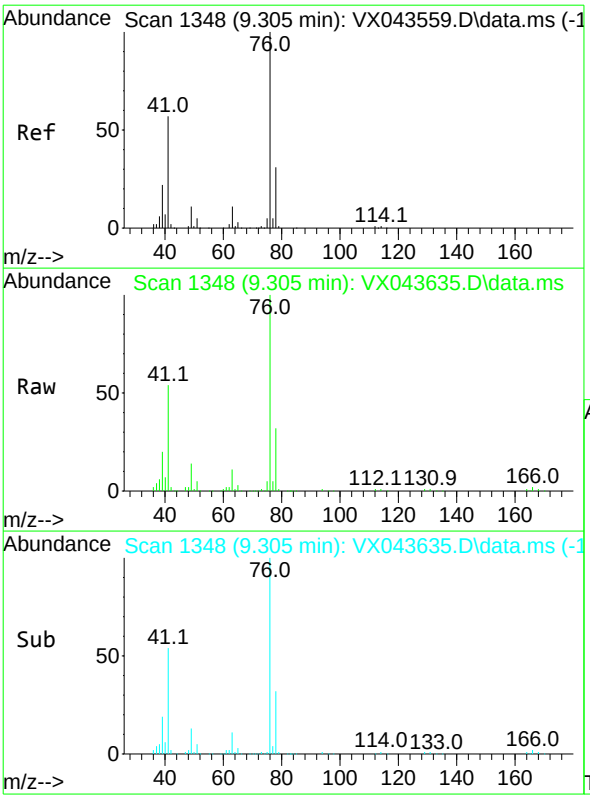


#56
Ethyl methacrylate
Concen: 47.299 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 69 Resp: 161195

Ion	Ratio	Lower	Upper
69	100		
41	61.9	53.8	80.8
39	33.2	29.9	44.9





#57
1,3-Dichloropropane
Concen: 47.294 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

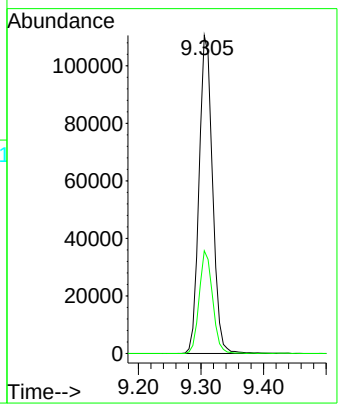
Tgt Ion: 76 Resp: 164980

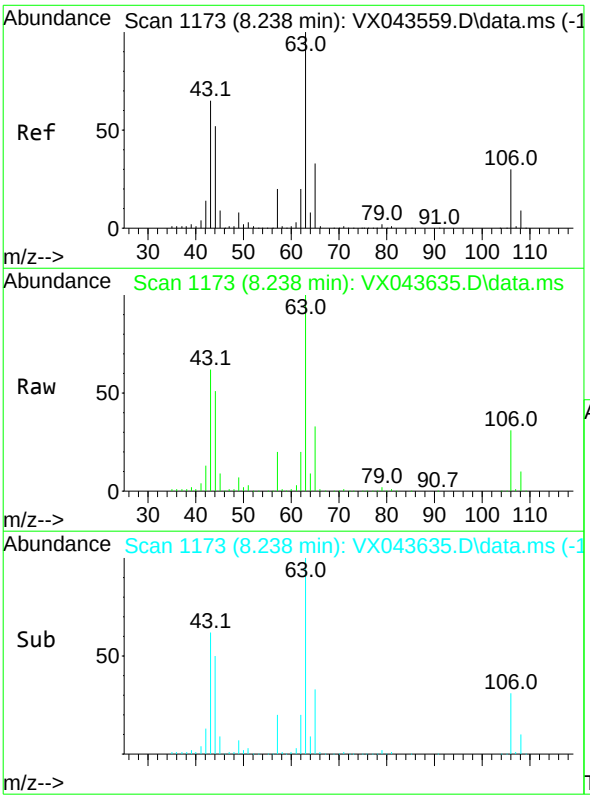
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

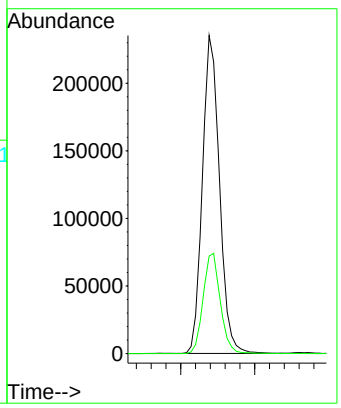


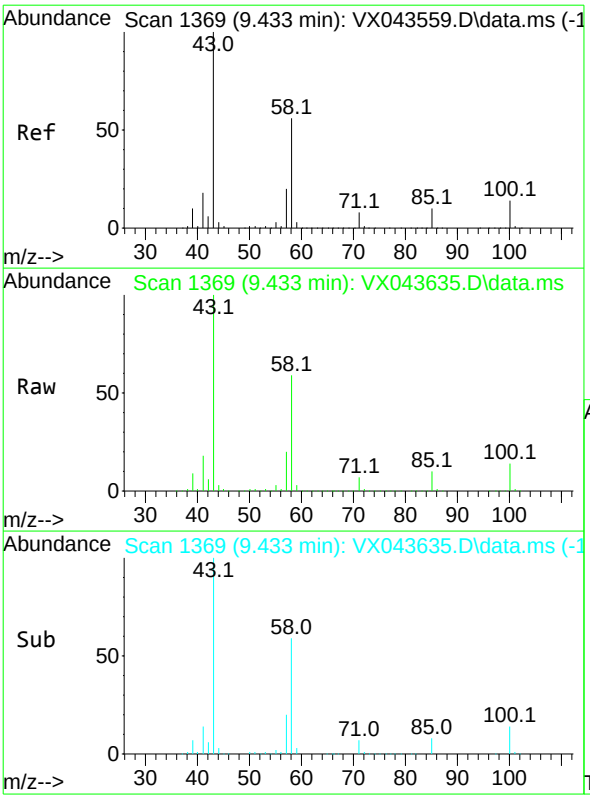


#58
2-Chloroethyl Vinyl ether
Concen: 228.196 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 63 Resp: 376649

Ion	Ratio	Lower	Upper
63	100		
106	31.7	23.6	35.4

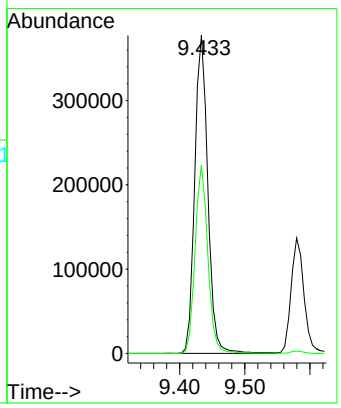




#59
2-Hexanone
Concen: 227.247 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 526010

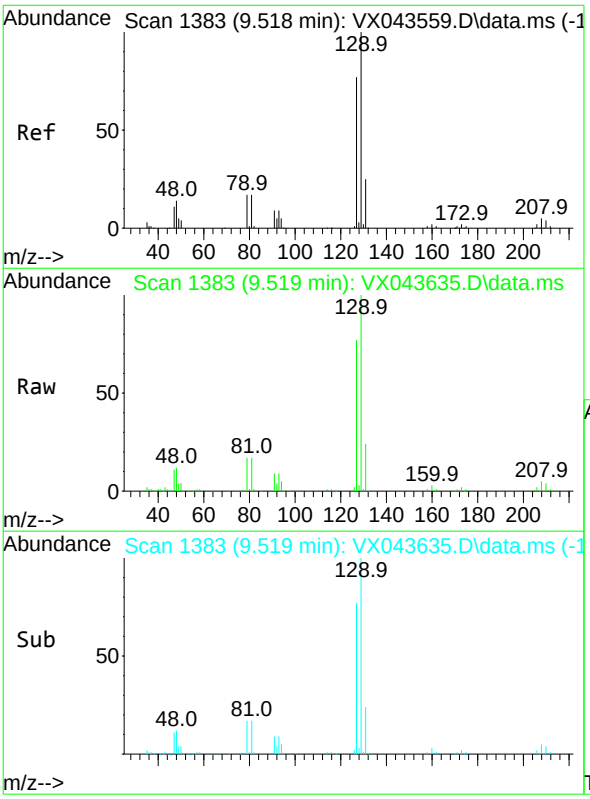
Ion	Ratio	Lower	Upper
43	100		
58	58.1	27.5	82.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

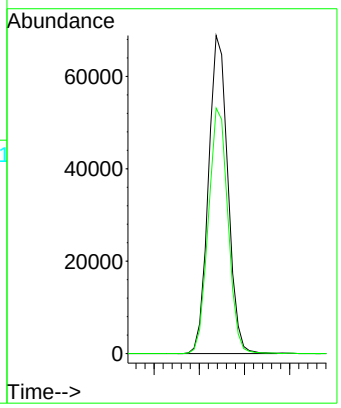
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

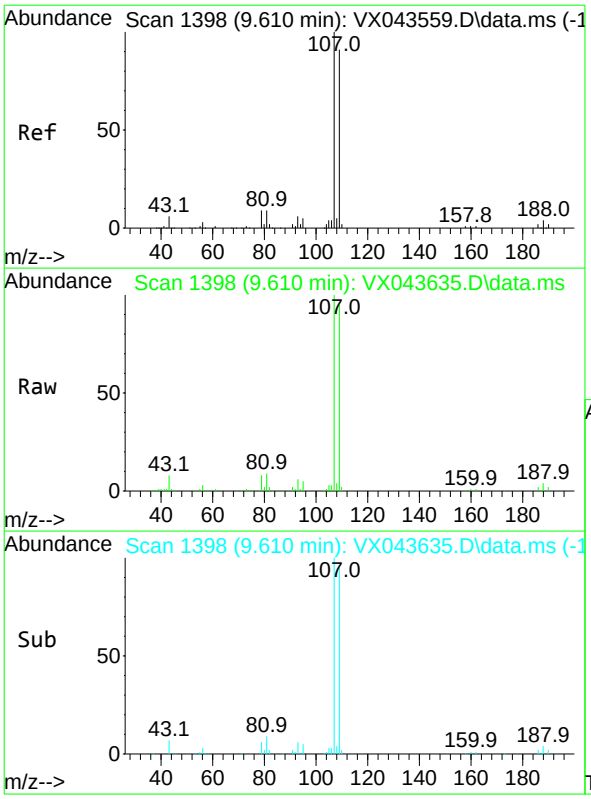


#60
Dibromochloromethane
Concen: 49.353 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:129 Resp: 102501

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1

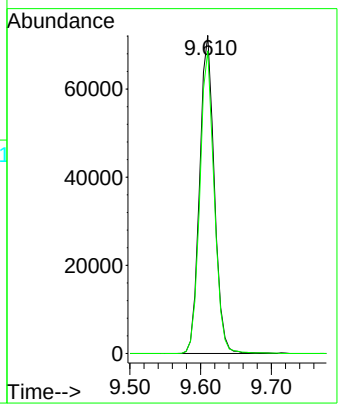




#61
1,2-Dibromoethane
Concen: 47.860 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:107 Resp: 104203

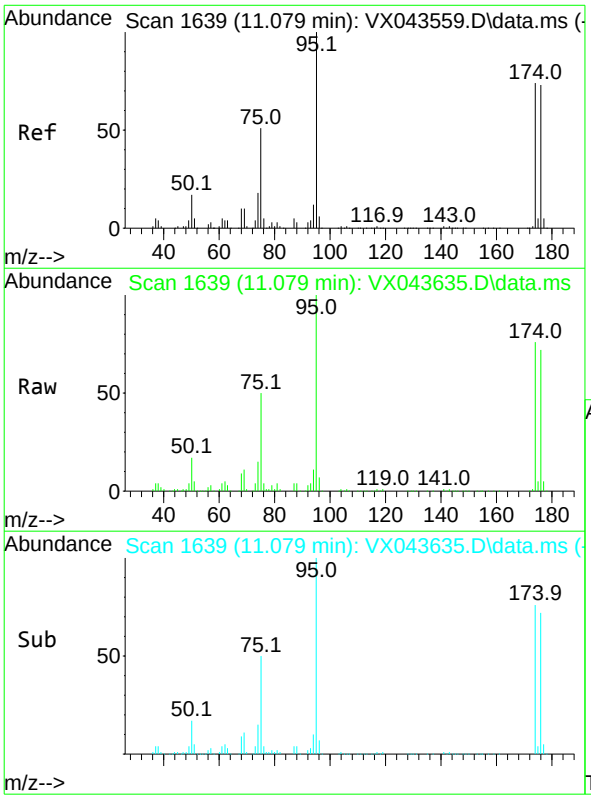
Ion	Ratio	Lower	Upper
107	100		
109	93.2	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

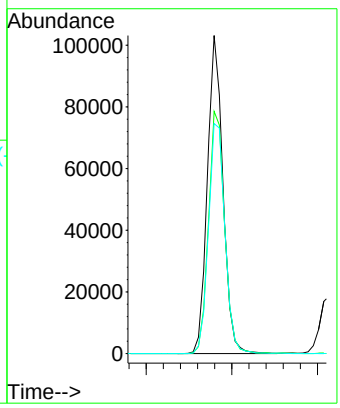
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

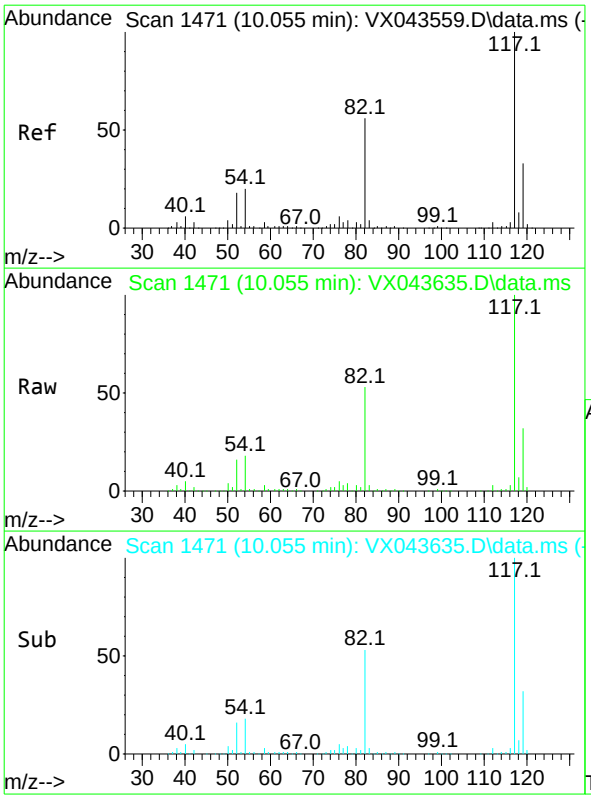


#62
4-Bromofluorobenzene
Concen: 48.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 95 Resp: 129928

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	146.6
176	76.6	0.0	139.6

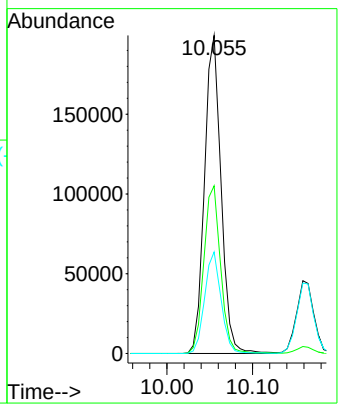




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:117 Resp: 267658

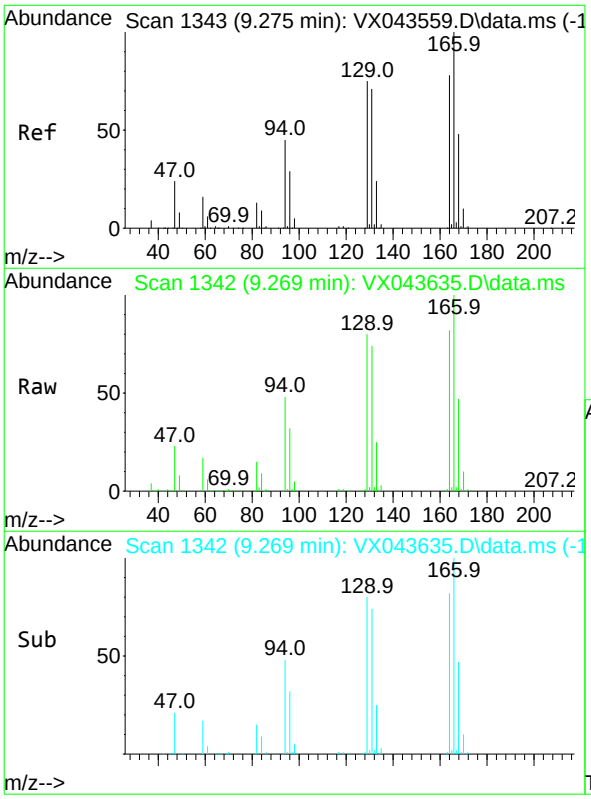
Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.1	63.1
119	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

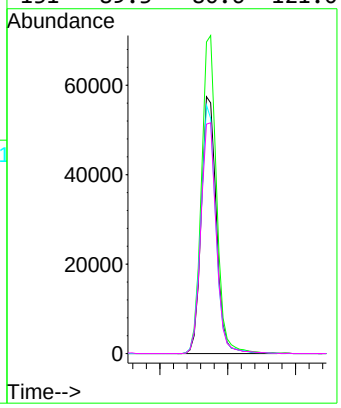
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

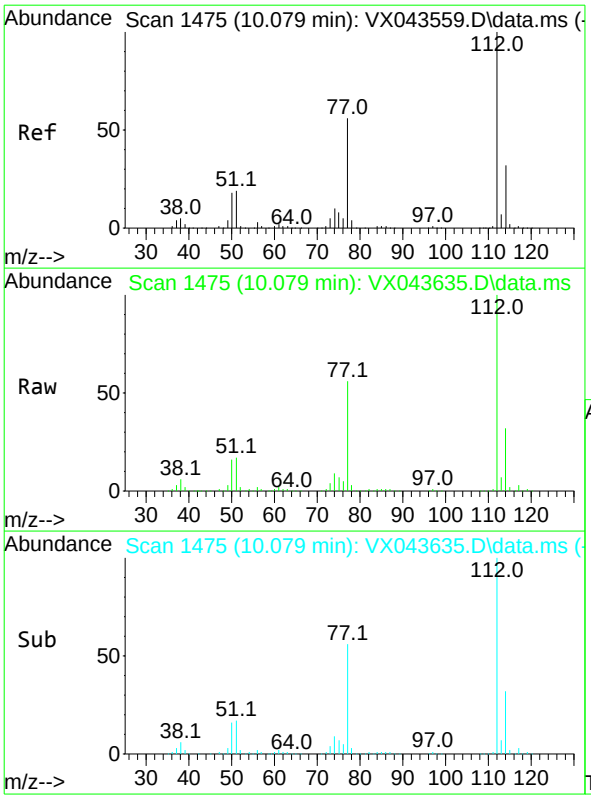


#64
Tetrachloroethene
Concen: 52.495 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:164 Resp: 88371

Ion	Ratio	Lower	Upper
164	100		
166	121.3	103.8	155.6
129	96.8	83.8	125.6
131	89.3	80.6	121.0

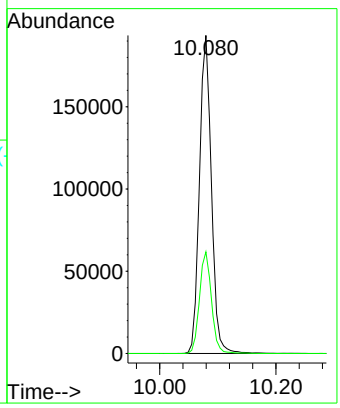




#65
Chlorobenzene
Concen: 47.866 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:112 Resp: 275636

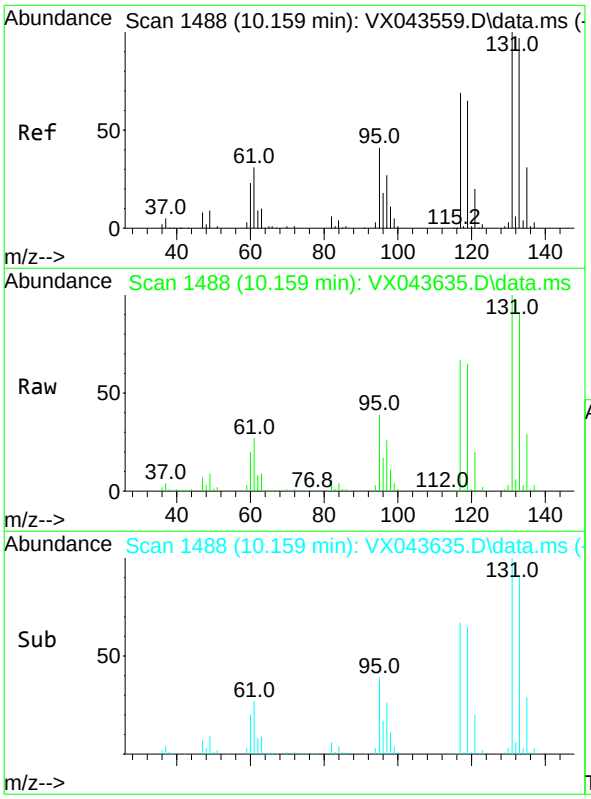
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

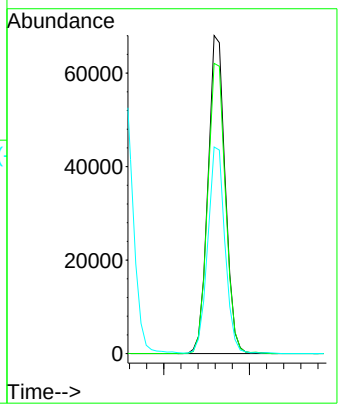
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

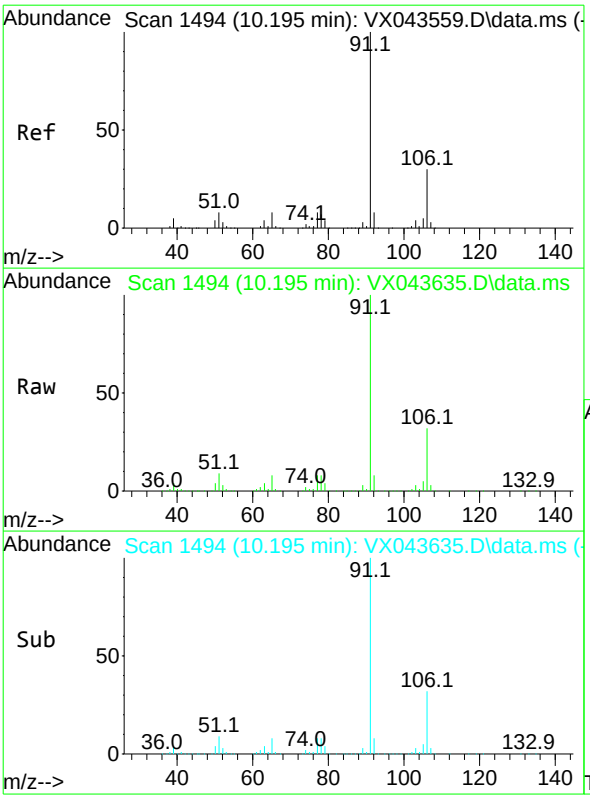


#66
1,1,1,2-Tetrachloroethane
Concen: 50.585 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:131 Resp: 95145

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.0	144.0
119	65.2	32.3	96.9





#67
Ethyl Benzene
Concen: 48.724 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

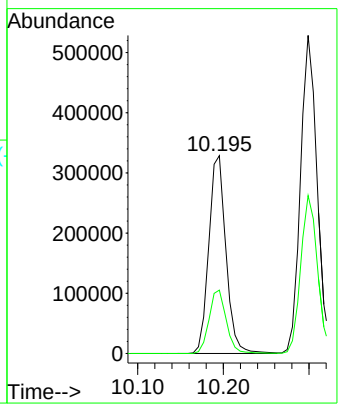
Tgt Ion: 91 Resp: 457507

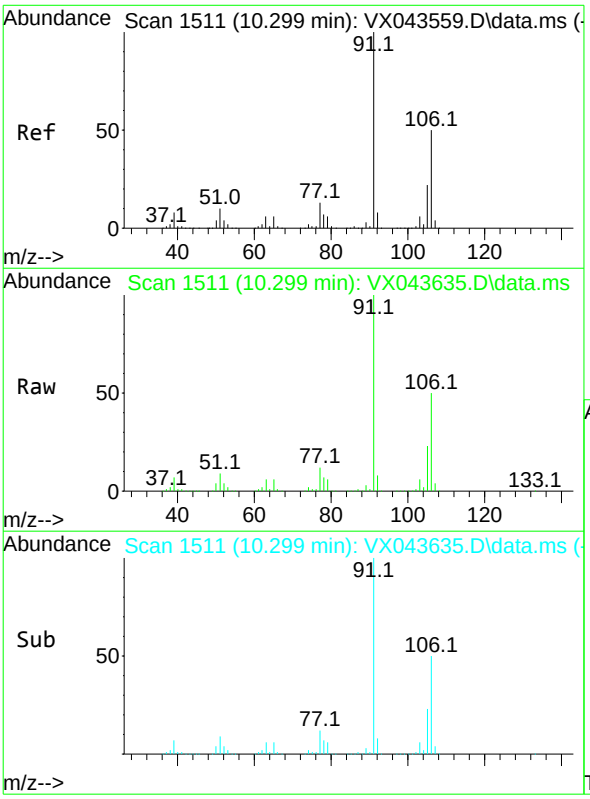
Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

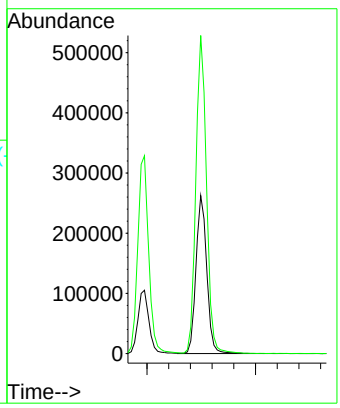


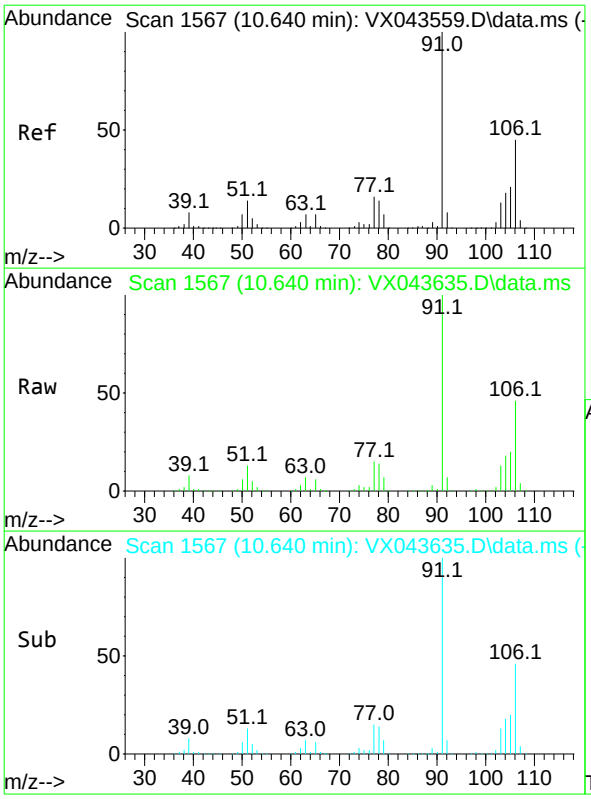


#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:106 Resp: 361281

Ion	Ratio	Lower	Upper
106	100		
91	198.8	164.7	247.1

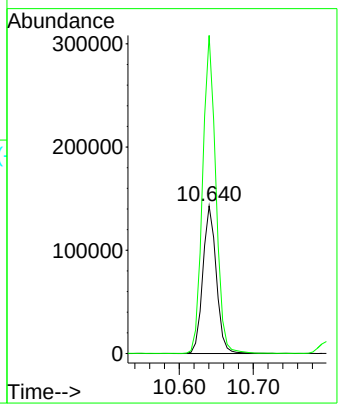




#69
o-Xylene
Concen: 50.021 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:106 Resp: 180468

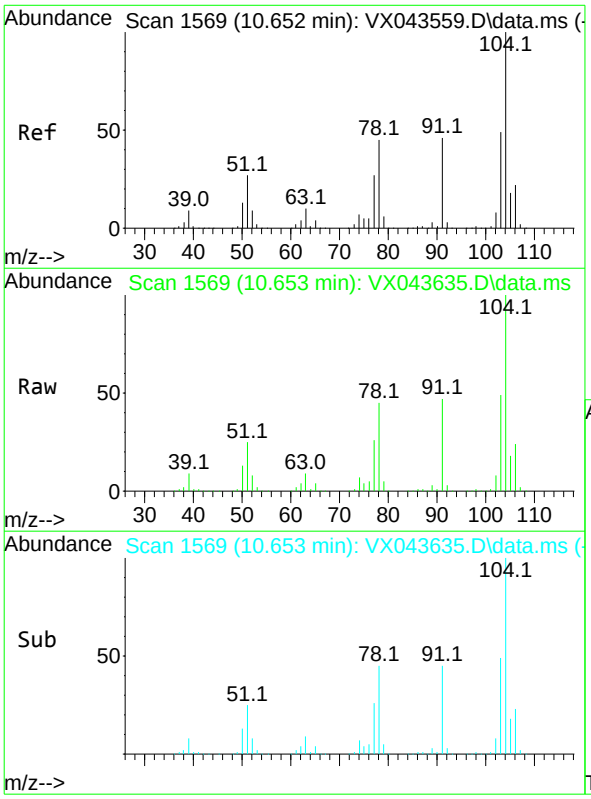
Ion	Ratio	Lower	Upper
106	100		
91	211.8	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

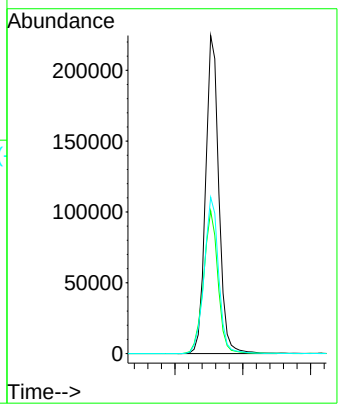
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

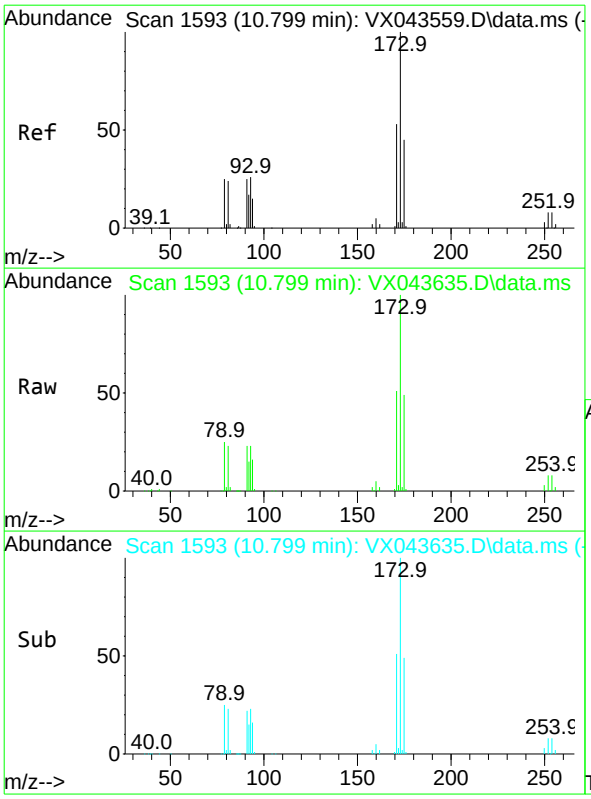


#70
Styrene
Concen: 50.824 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:104 Resp: 304770

Ion	Ratio	Lower	Upper
104	100		
78	49.0	40.0	60.0
103	53.7	43.4	65.0

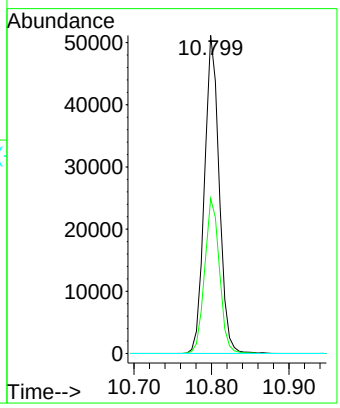




#71
Bromoform
Concen: 49.919 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:173 Resp: 67510

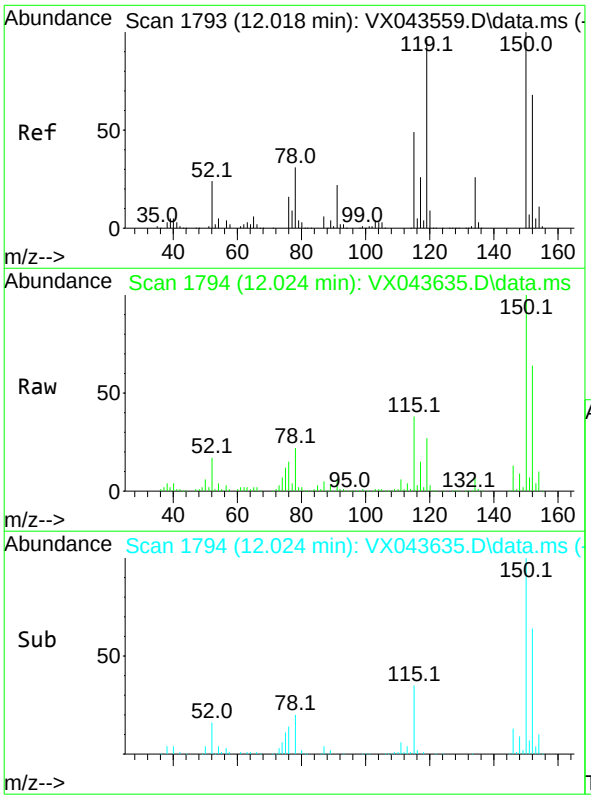
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

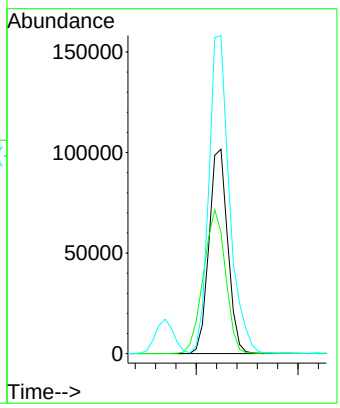
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

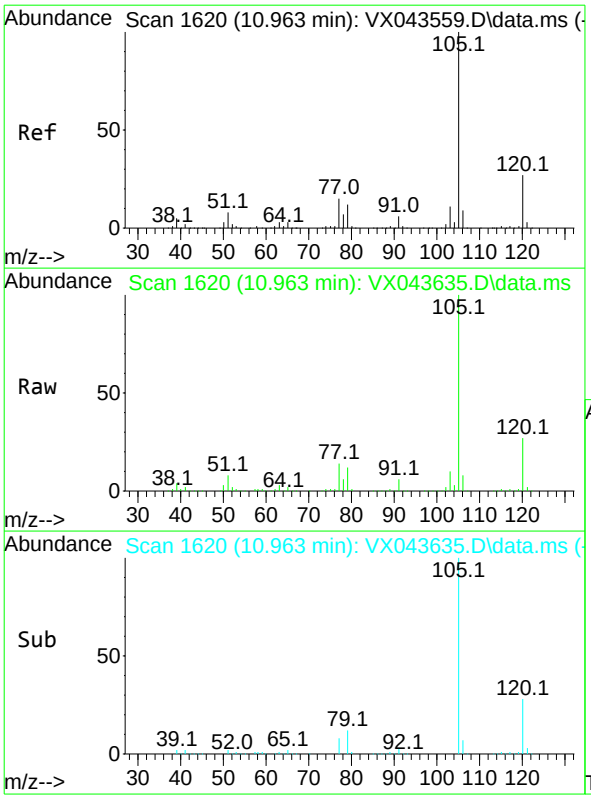


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:152 Resp: 130349

Ion	Ratio	Lower	Upper
152	100		
115	82.7	42.9	128.7
150	170.6	0.0	343.6

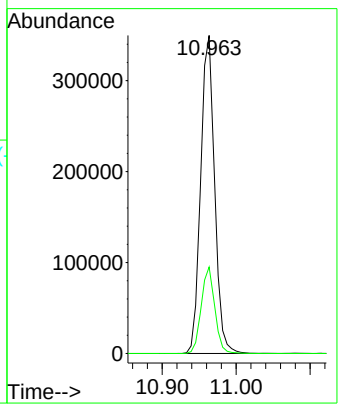




#73
Isopropylbenzene
Concen: 49.624 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:105 Resp: 458206

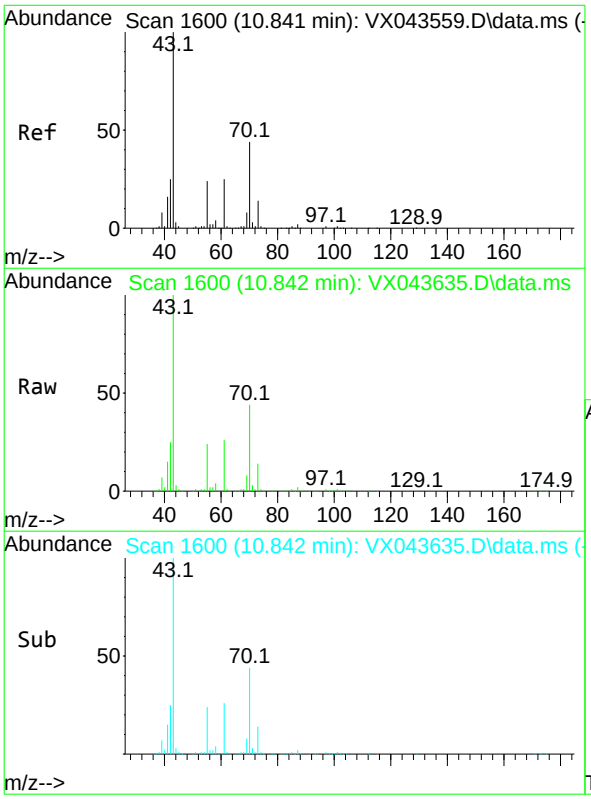
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

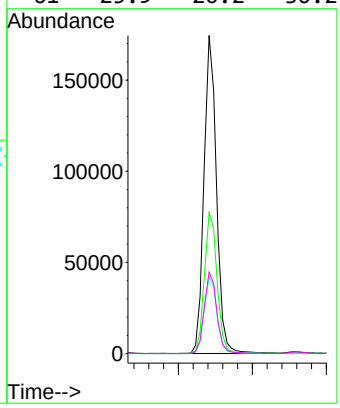
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

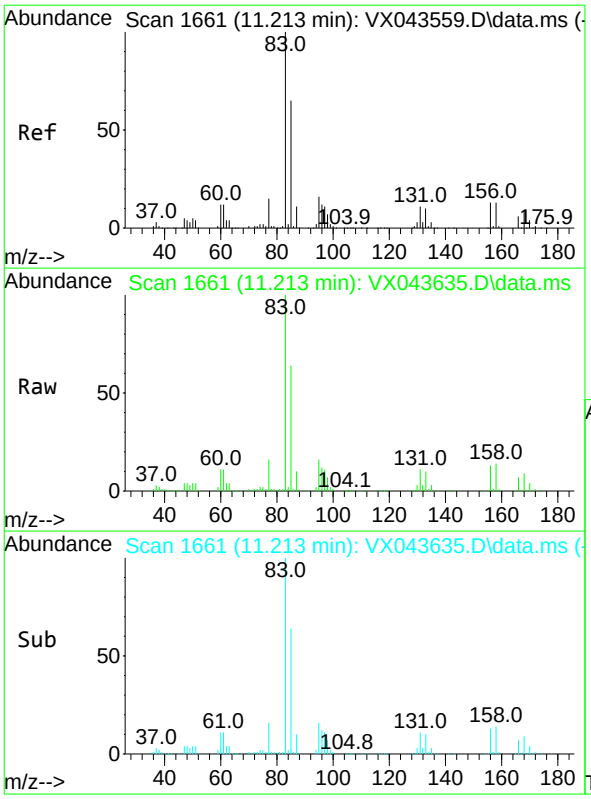


#74
N-amyl acetate
Concen: 45.567 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 204963

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.6	52.0
55	24.8	19.6	29.4
61	25.9	20.2	30.2

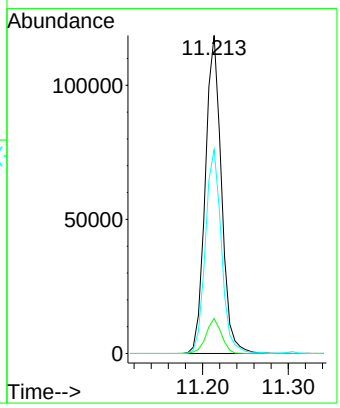




#75
1,1,2,2-Tetrachloroethane
Concen: 46.675 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 83 Resp: 154974

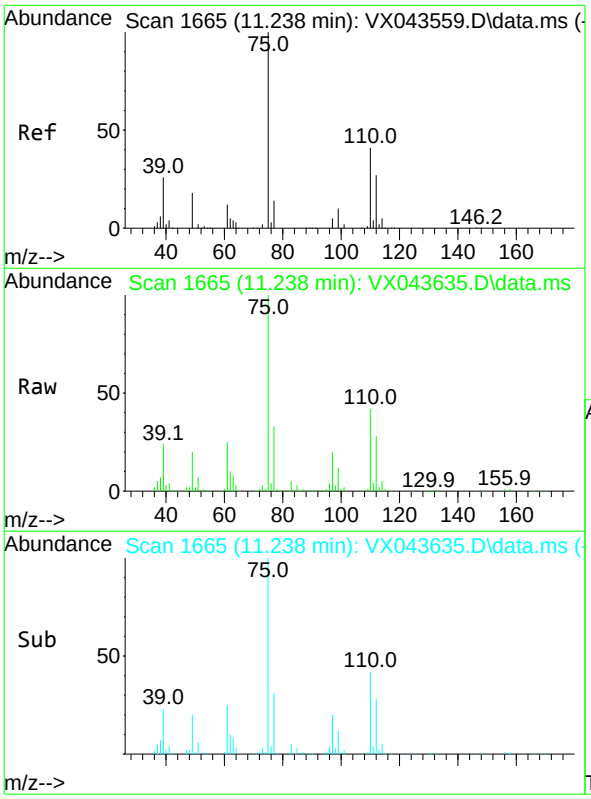
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	63.9	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

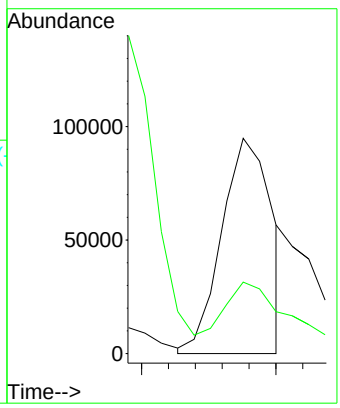
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

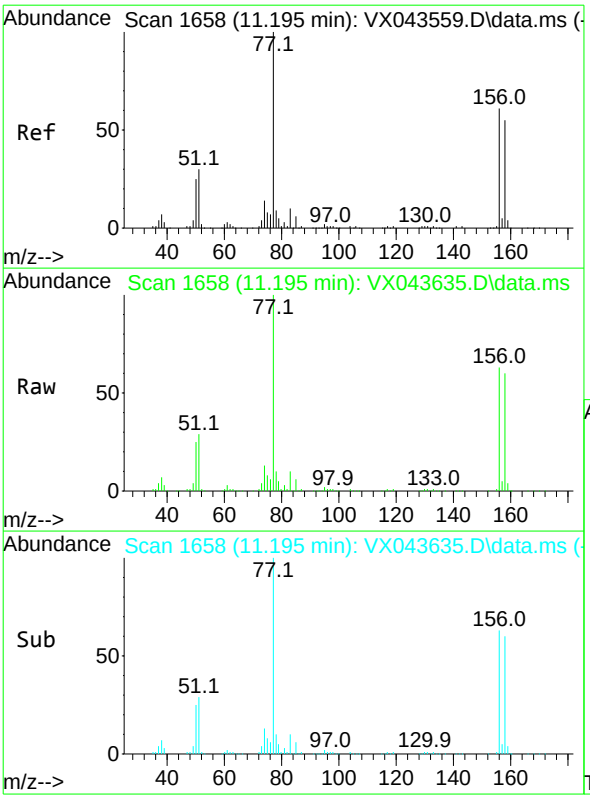


#76
1,2,3-Trichloropropane
Concen: 44.125 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 122978

Ion	Ratio	Lower	Upper
75	100		
77	45.3	22.4	67.2





#77
Bromobenzene
Concen: 47.913 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

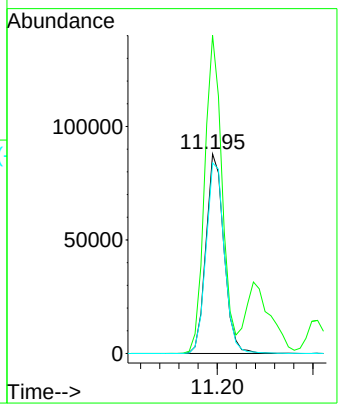
Tgt Ion:156 Resp: 114236

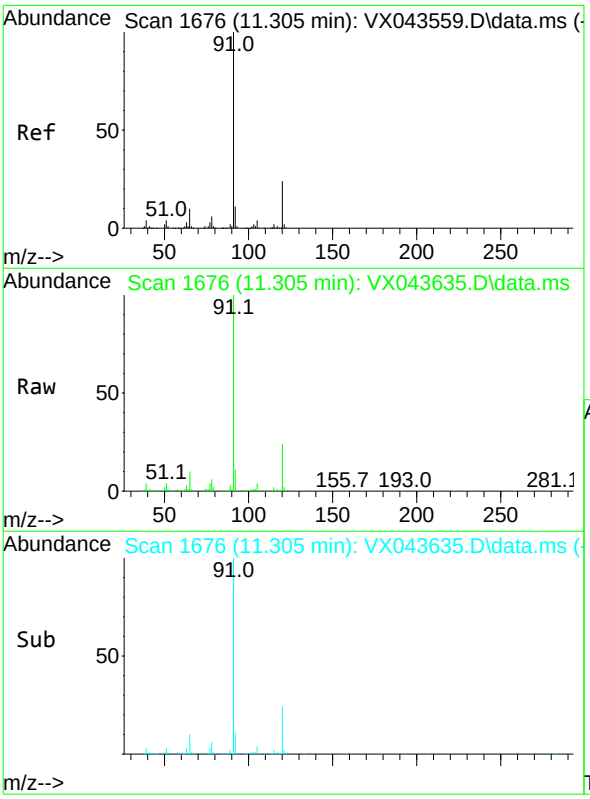
Ion	Ratio	Lower	Upper
156	100		
77	154.8	79.7	239.1
158	97.8	48.0	144.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

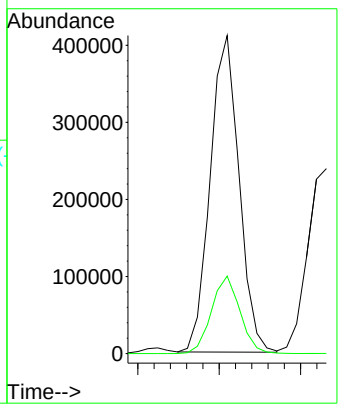


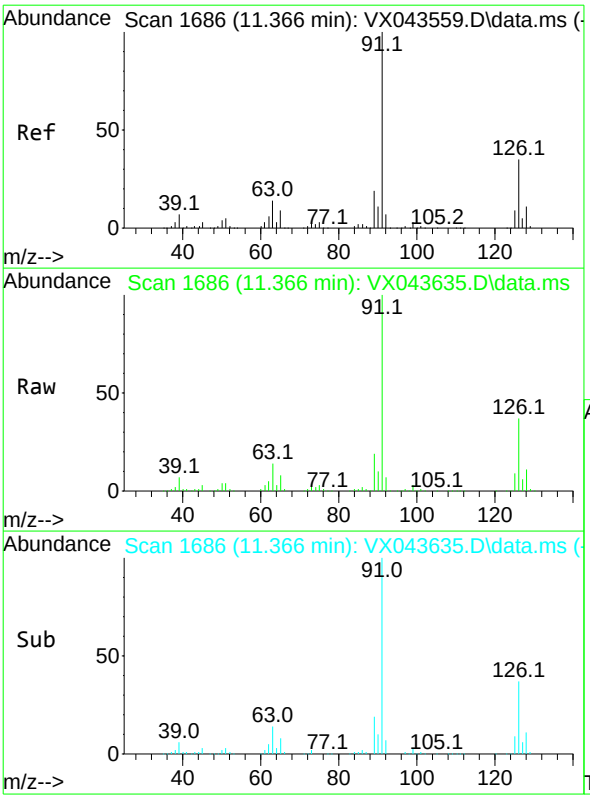


#78
n-propylbenzene
Concen: 50.290 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 91 Resp: 506292

Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.6	34.7





#79
2-Chlorotoluene
Concen: 46.876 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

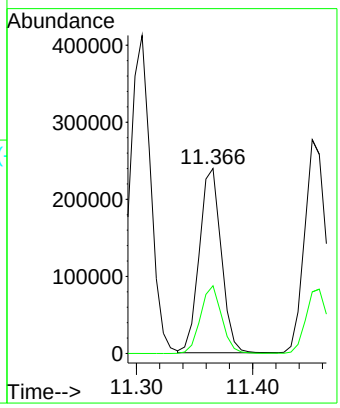
Tgt Ion: 91 Resp: 312933

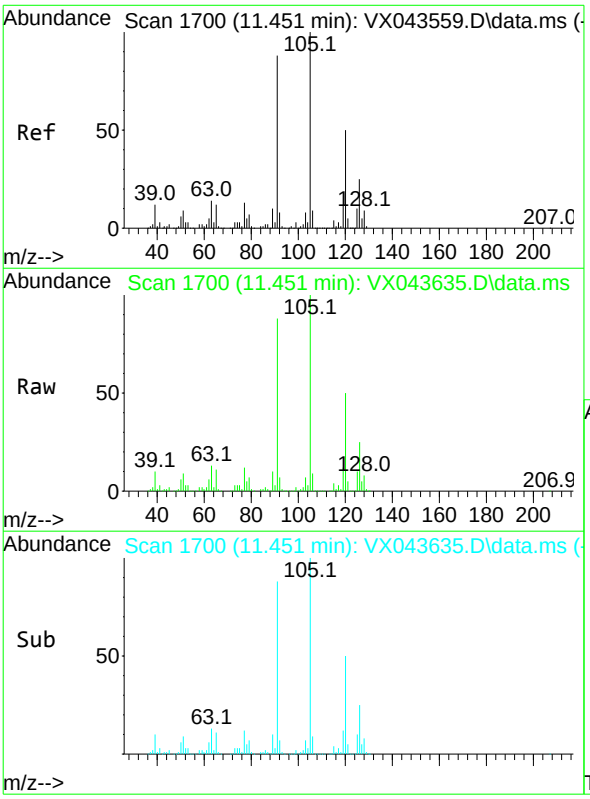
Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

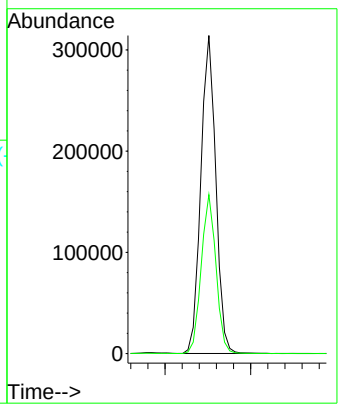


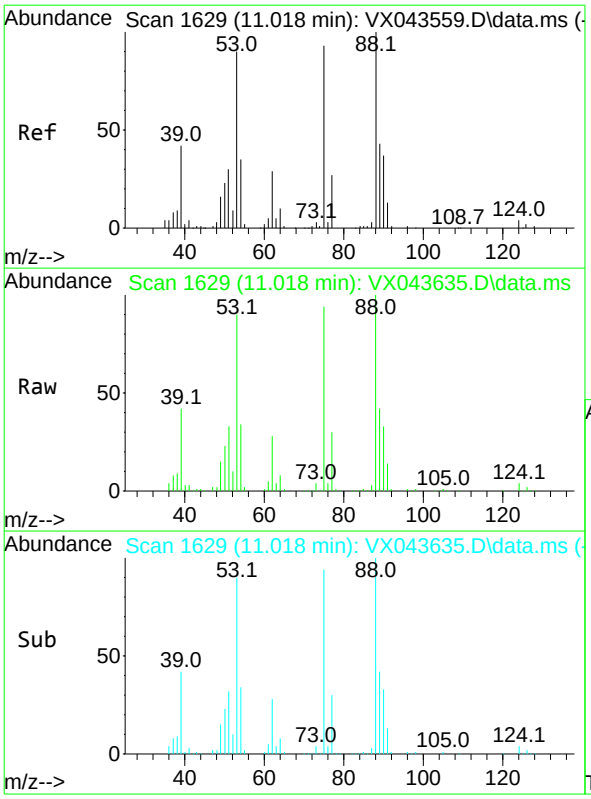


#80
1,3,5-Trimethylbenzene
Concen: 49.526 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:105 Resp: 381288

Ion	Ratio	Lower	Upper
105	100		
120	49.3	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 45.896 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

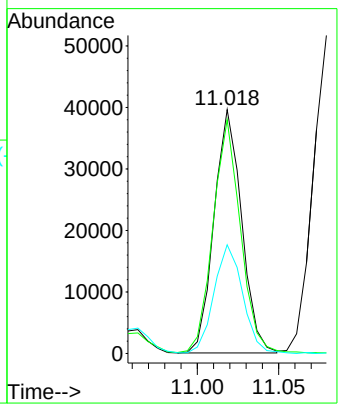
Tgt Ion: 75 Resp: 46497

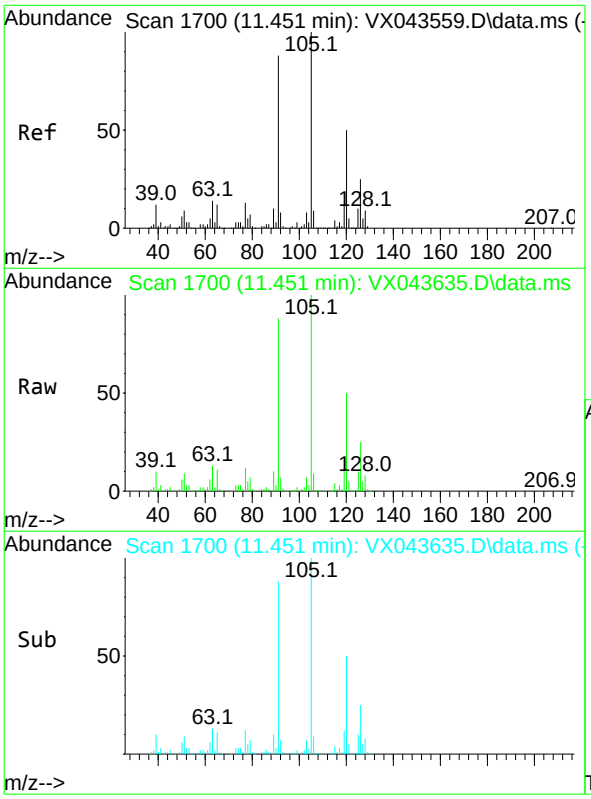
Ion	Ratio	Lower	Upper
75	100		
53	95.7	84.6	126.8
89	46.7	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

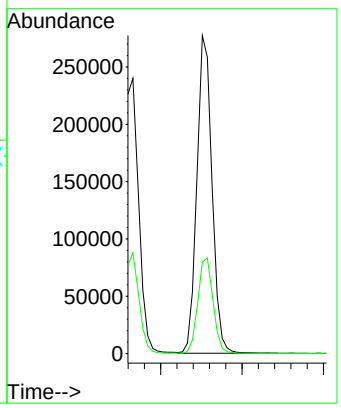


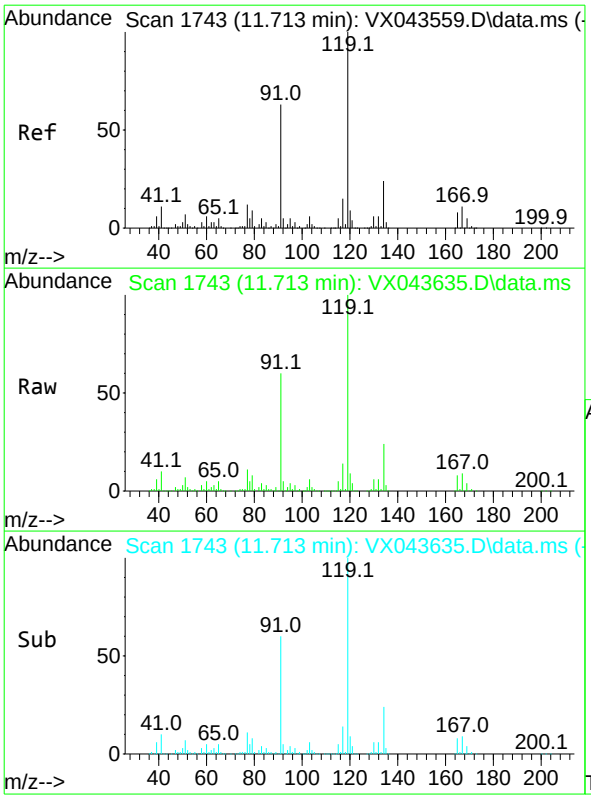


#82
4-Chlorotoluene
Concen: 47.649 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 91 Resp: 357029

Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.2	42.8

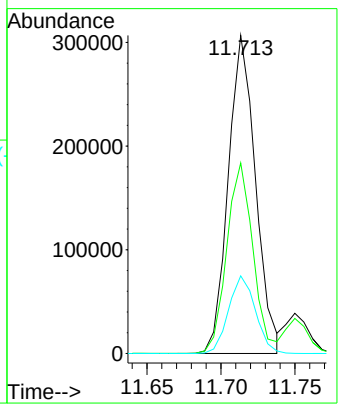




#83
tert-Butylbenzene
Concen: 50.251 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:119 Resp: 393454

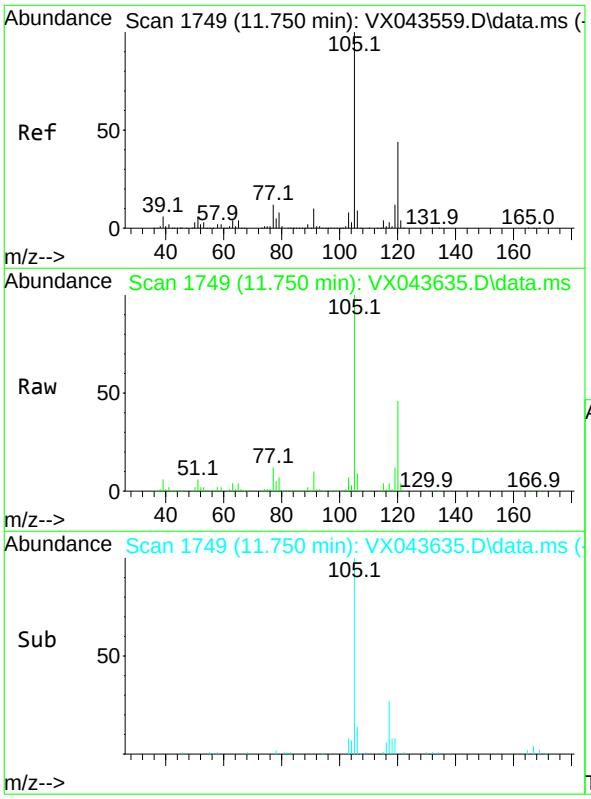
Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.5	88.5
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

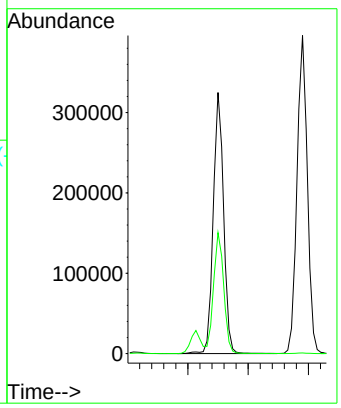
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

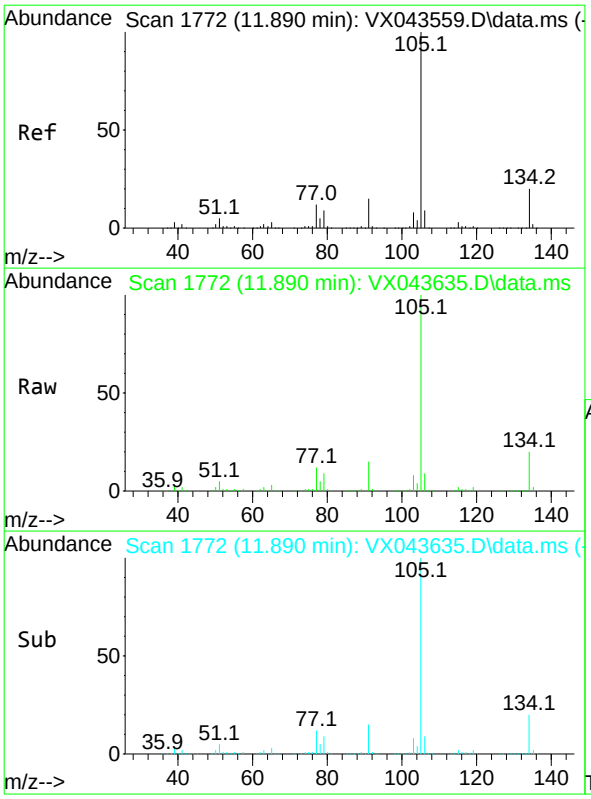


#84
1,2,4-Trimethylbenzene
Concen: 49.359 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:105 Resp: 387269

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.1	66.1

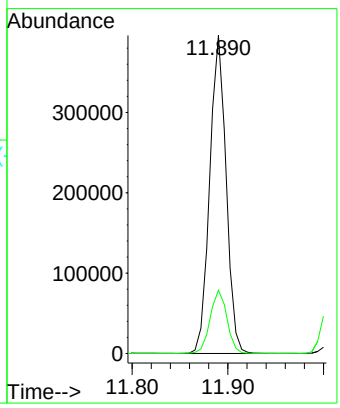




#85
sec-Butylbenzene
Concen: 51.265 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:105 Resp: 470486

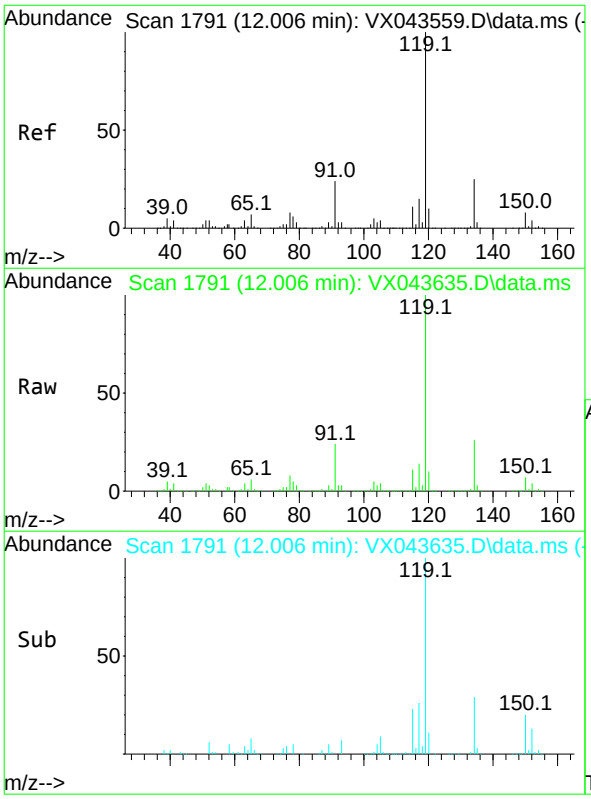
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

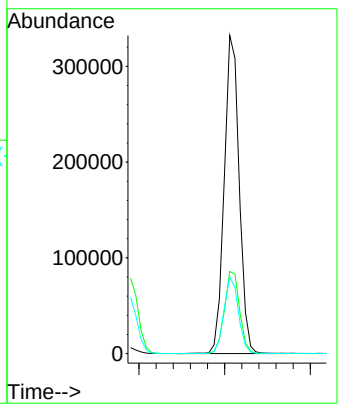
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

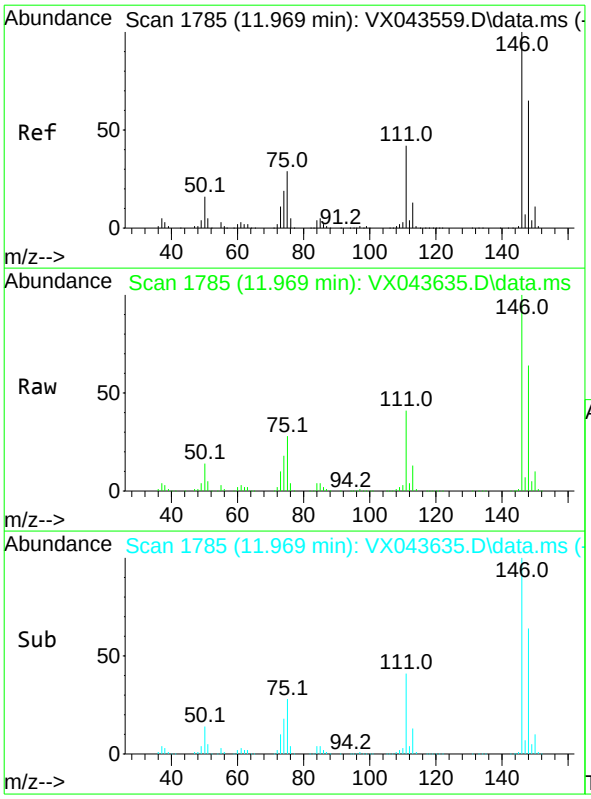


#86
p-Isopropyltoluene
Concen: 51.708 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:119 Resp: 403373

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	23.5	12.4	37.0

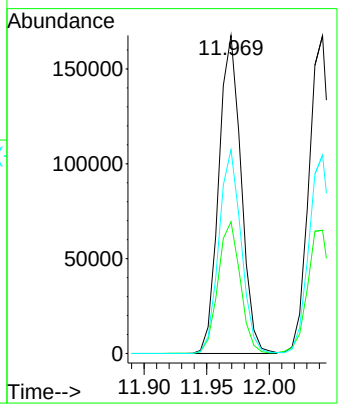




#87
1,3-Dichlorobenzene
Concen: 48.692 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:146 Resp: 208079

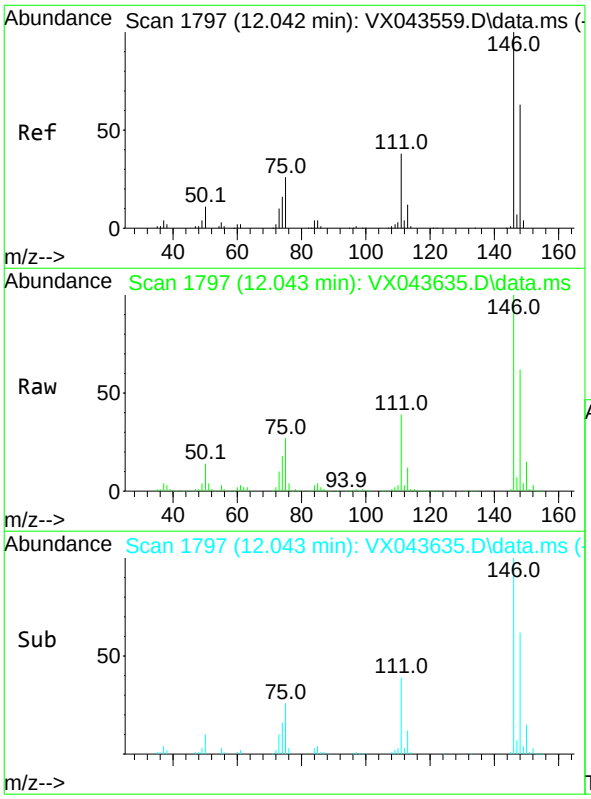
Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.4
148	63.8	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

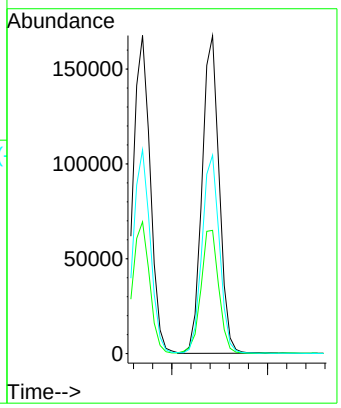
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

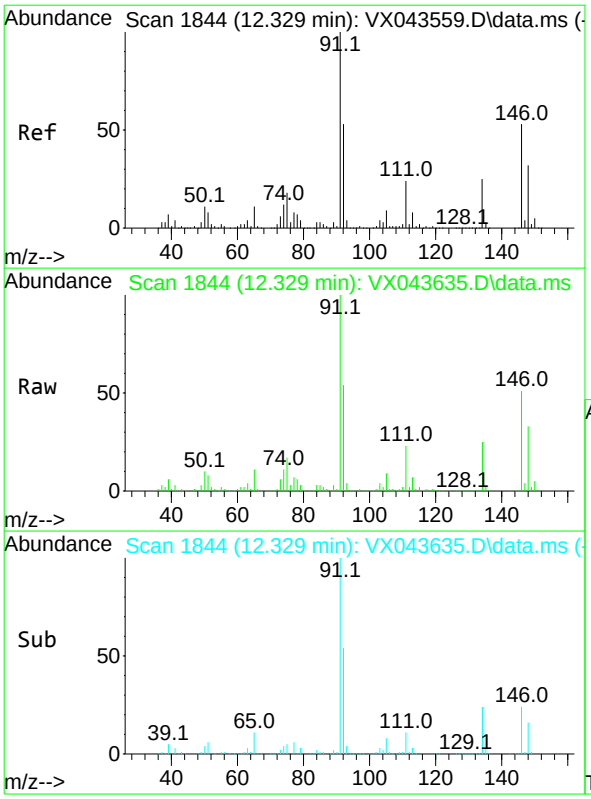


#88
1,4-Dichlorobenzene
Concen: 46.988 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:146 Resp: 208065

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.4	31.9	95.9

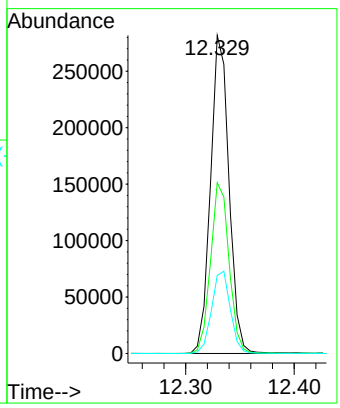




#89
n-Butylbenzene
Concen: 52.283 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 91 Resp: 332343

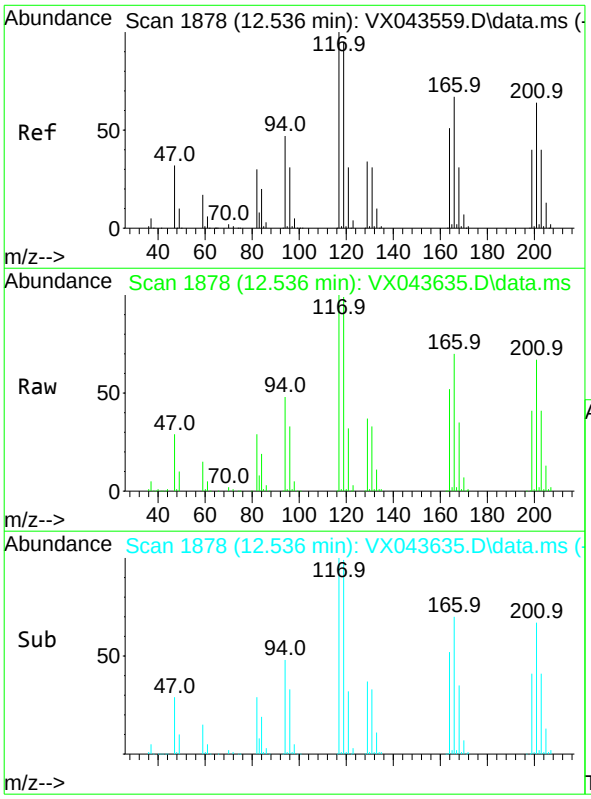
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	26.3	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

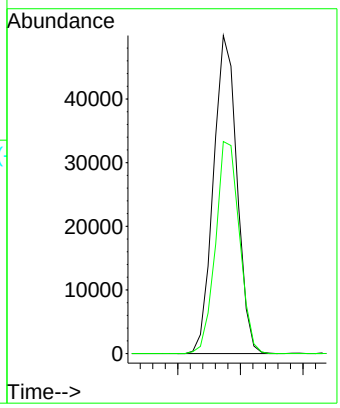
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

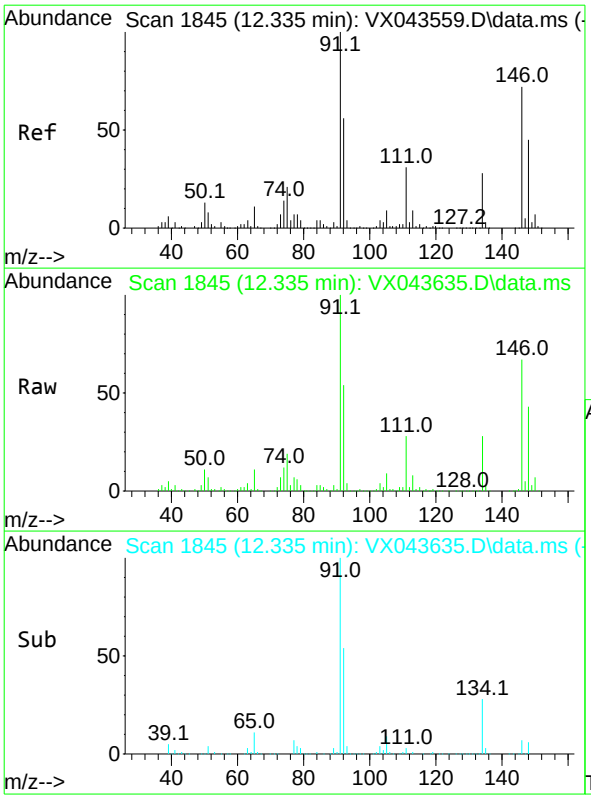


#90
Hexachloroethane
Concen: 51.448 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:117 Resp: 65193

Ion	Ratio	Lower	Upper
117	100		
201	67.8	32.9	98.7





#91
1,2-Dichlorobenzene
Concen: 49.363 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

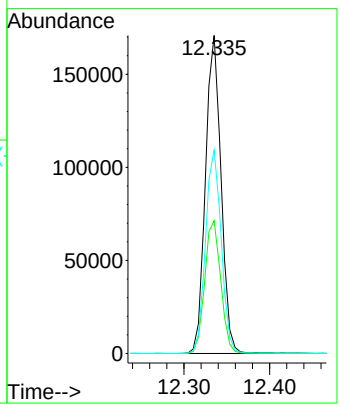
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

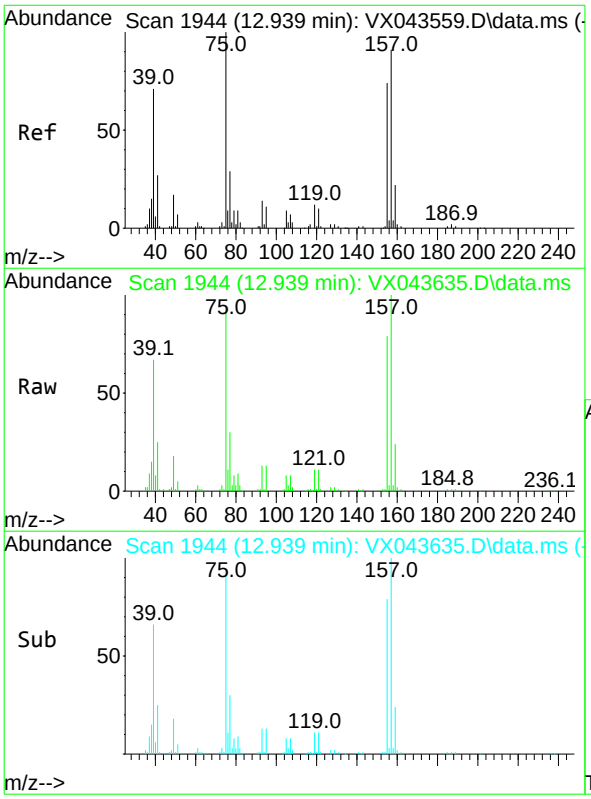
Tgt Ion:146 Resp: 215706

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	64.7	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

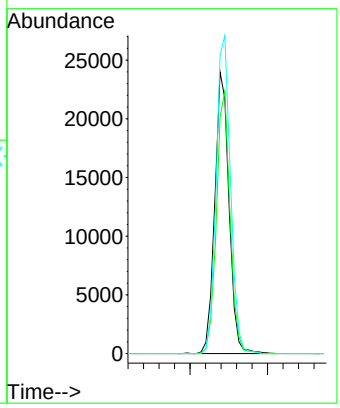


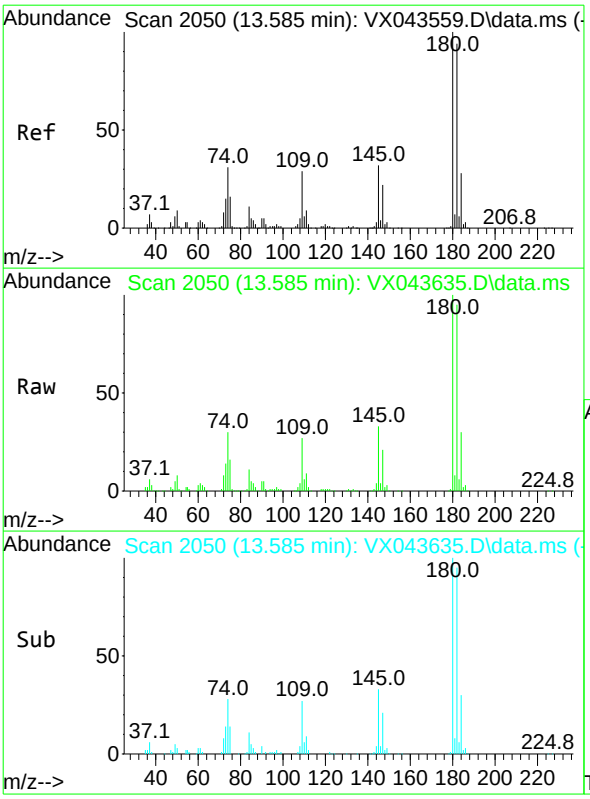


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.175 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 30578

Ion	Ratio	Lower	Upper
75	100		
155	89.5	40.1	120.3
157	113.3	50.8	152.4





#93
1,2,4-Trichlorobenzene
Concen: 50.359 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

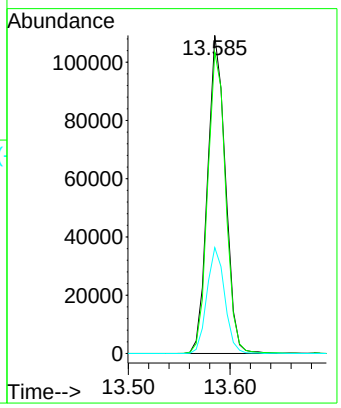
Tgt Ion:180 Resp: 133572

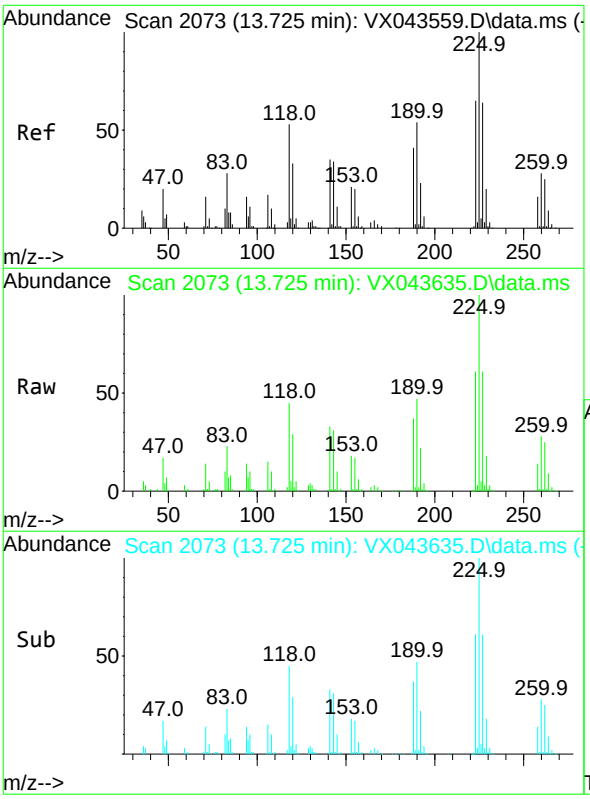
Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.4
145	33.0	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

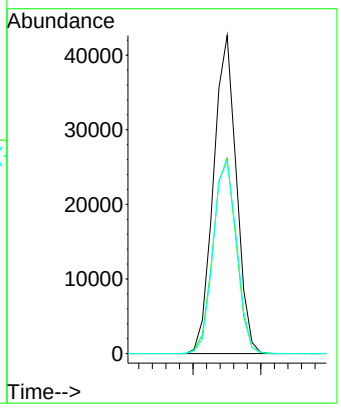


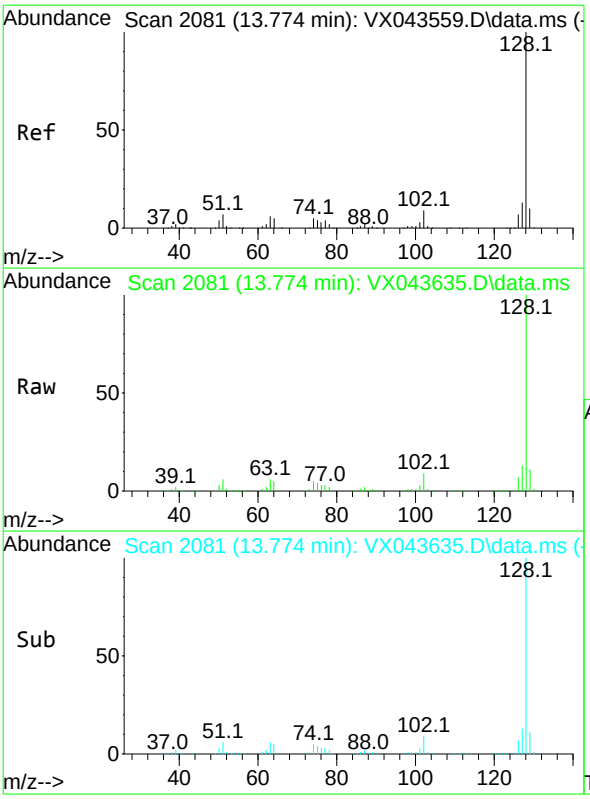


#94
Hexachlorobutadiene
Concen: 51.196 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:225 Resp: 50067

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	62.3	31.6	94.8

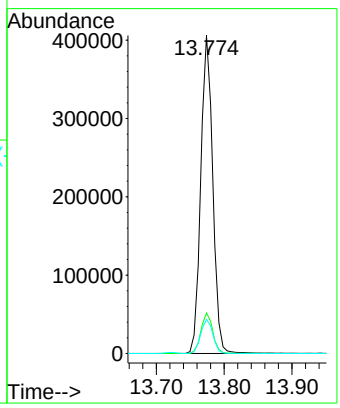




#95
Naphthalene
Concen: 49.090 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:128 Resp: 498265

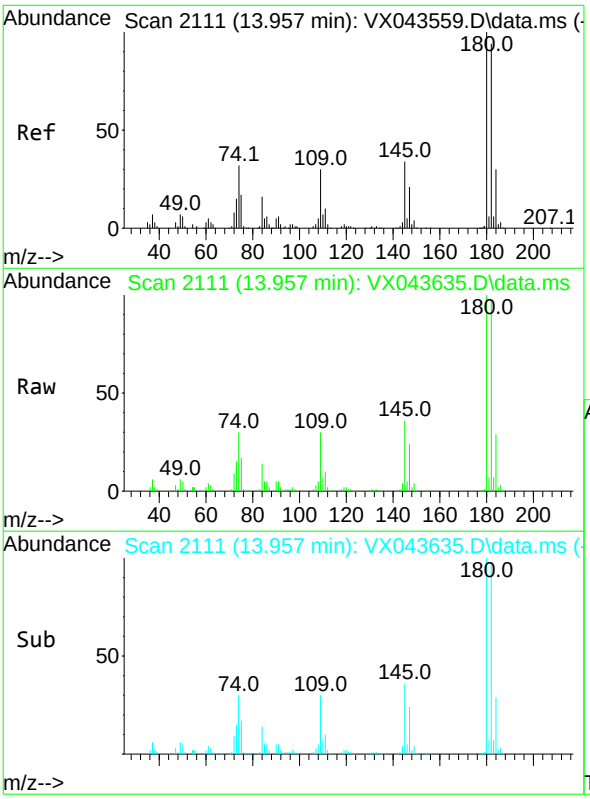
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

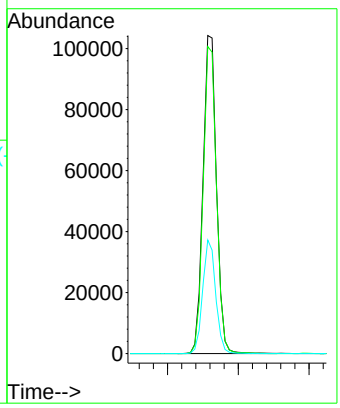
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 49.201 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:180 Resp: 137595

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	34.5	17.4	52.3



Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	120	0.00
2	T	Dichlorodifluoromethane	0.535	0.445	16.8	105	0.00
3	P	Chloromethane	0.684	0.543	20.6	100	0.00
4	C	Vinyl Chloride	0.634	0.564	11.0#	106	0.00
5	T	Bromomethane	0.259	0.219	15.4	100	0.00
6	T	Chloroethane	0.223	0.211	5.4	112	0.00
7	T	Trichlorofluoromethane	0.775	0.774	0.1	119	0.00
8	T	Diethyl Ether	0.358	0.326	8.9	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.512	2.3	117	0.00
10	T	Methyl Iodide	0.757	0.717	5.3	110	0.00
11	T	Tert butyl alcohol	0.149	0.116	22.1	89	-0.04
12	CM	1,1-Dichloroethene	0.536	0.517	3.5#	115	0.00
13	T	Acrolein	0.116	0.091	21.6	100	0.00
14	T	Allyl chloride	0.926	0.822	11.2	103	0.00
15	T	Acrylonitrile	0.336	0.296	11.9	102	0.00
16	T	Acetone	0.317	0.239	24.6	92	0.00
17	T	Carbon Disulfide	1.120	0.960	14.3	101	0.00
18	T	Methyl Acetate	0.925	0.760	17.8	98	0.00
19	T	Methyl tert-butyl Ether	2.037	1.790	12.1	103	0.00
20	T	Methylene Chloride	0.682	0.581	14.8	105	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.535	5.5	114	0.00
22	T	Diisopropyl ether	1.915	1.685	12.0	103	0.00
23	T	Vinyl Acetate	1.582	1.402	11.4	99	0.00
24	P	1,1-Dichloroethane	1.101	0.987	10.4	106	0.00
25	T	2-Butanone	0.462	0.385	16.7	95	0.00
26	T	2,2-Dichloropropane	0.901	0.720	20.1	97	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.674	6.8	109	0.00
28	T	Bromochloromethane	0.524	0.458	12.6	108	0.00
29	T	Tetrahydrofuran	0.300	0.252	16.0	97	0.00
30	C	Chloroform	1.154	1.034	10.4#	106	0.00
31	T	Cyclohexane	0.842	0.768	8.8	110	0.00
32	T	1,1,1-Trichloroethane	0.969	0.899	7.2	109	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.669	16.1	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35	S	Dibromofluoromethane	0.339	0.326	3.8	111	0.00
36	T	1,1-Dichloropropene	0.402	0.380	5.5	112	0.00
37	T	Ethyl Acetate	0.488	0.432	11.5	98	0.00
38	T	Carbon Tetrachloride	0.444	0.428	3.6	110	0.00
39	T	Methylcyclohexane	0.499	0.480	3.8	108	0.00
40	TM	Benzene	1.341	1.267	5.5	107	0.00
41	T	Methacrylonitrile	0.256	0.238	7.0	101	0.00
42	TM	1,2-Dichloroethane	0.482	0.417	13.5	96	0.00
43	T	Isopropyl Acetate	0.807	0.710	12.0	97	0.00
44	TM	Trichloroethene	0.333	0.330	0.9	112	0.00
45	C	1,2-Dichloropropane	0.330	0.310	6.1#	105	0.00
46	T	Dibromomethane	0.254	0.229	9.8	101	0.00
47	T	Bromodichloromethane	0.446	0.419	6.1	101	0.00
48	T	Methyl methacrylate	0.383	0.347	9.4	98	0.00

Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	117	0.00
50	S	Toluene-d8	1.174	1.177	-0.3	115	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.448	8.9	98	0.00
52	CM	Toluene	0.813	0.799	1.7#	109	0.00
53	T	t-1,3-Dichloropropene	0.479	0.441	7.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.489	4.1	103	0.00
55	T	1,1,2-Trichloroethane	0.339	0.325	4.1	105	0.00
56	T	Ethyl methacrylate	0.550	0.520	5.5	101	0.00
57	T	1,3-Dichloropropane	0.563	0.533	5.3	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.243	8.6	104	0.00
59	T	2-Hexanone	0.374	0.340	9.1	97	0.00
60	T	Dibromochloromethane	0.335	0.331	1.2	103	0.00
61	T	1,2-Dibromoethane	0.351	0.336	4.3	105	0.00
62	S	4-Bromofluorobenzene	0.435	0.419	3.7	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64	T	Tetrachloroethene	0.314	0.330	-5.1	120	0.00
65	PM	Chlorobenzene	1.076	1.030	4.3	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.355	-1.1	107	0.00
67	C	Ethyl Benzene	1.754	1.709	2.6#	108	0.00
68	T	m/p-Xylenes	0.671	0.675	-0.6	110	0.00
69	T	o-Xylene	0.674	0.674	0.0	110	0.00
70	T	Styrene	1.120	1.139	-1.7	108	0.00
71	P	Bromoform	0.253	0.252	0.4	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73	T	Isopropylbenzene	3.542	3.515	0.8	112	0.00
74	T	N-amyl acetate	1.725	1.572	8.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.189	6.7	105	0.00
76	T	1,2,3-Trichloropropane	1.069	0.943	11.8	100	0.00
77	T	Bromobenzene	0.915	0.876	4.3	108	0.00
78	T	n-propylbenzene	3.862	3.884	-0.6	111	0.00
79	T	2-Chlorotoluene	2.561	2.401	6.2	108	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.925	0.9	109	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.357	8.2	97	0.00
82	T	4-Chlorotoluene	2.874	2.739	4.7	108	0.00
83	T	tert-Butylbenzene	3.003	3.018	-0.5	113	0.00
84	T	1,2,4-Trimethylbenzene	3.010	2.971	1.3	109	0.00
85	T	sec-Butylbenzene	3.520	3.609	-2.5	113	0.00
86	T	p-Isopropyltoluene	2.992	3.095	-3.4	113	0.00
87	T	1,3-Dichlorobenzene	1.639	1.596	2.6	110	0.00
88	T	1,4-Dichlorobenzene	1.699	1.596	6.1	110	0.00
89	T	n-Butylbenzene	2.438	2.550	-4.6	111	0.00
90	T	Hexachloroethane	0.486	0.500	-2.9	109	0.00
91	T	1,2-Dichlorobenzene	1.676	1.655	1.3	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.235	9.6	95	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.025	-0.8	108	0.00
94	T	Hexachlorobutadiene	0.375	0.384	-2.4	117	0.00
95	T	Naphthalene	3.893	3.823	1.8	105	0.00

Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.056	1.6	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	120	0.00
2	T	Dichlorodifluoromethane	50.000	41.589	16.8	105	0.00
3	P	Chloromethane	50.000	39.732	20.5	100	0.00
4	C	Vinyl Chloride	50.000	44.452	11.1#	106	0.00
5	T	Bromomethane	50.000	42.395	15.2	100	0.00
6	T	Chloroethane	50.000	47.116	5.8	112	0.00
7	T	Trichlorofluoromethane	50.000	49.946	0.1	119	0.00
8	T	Diethyl Ether	50.000	45.591	8.8	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.808	2.4	117	0.00
10	T	Methyl Iodide	50.000	47.361	5.3	110	0.00
11	T	Tert butyl alcohol	250.000	195.641	21.7	89	-0.04
12	CM	1,1-Dichloroethene	50.000	48.221	3.6#	115	0.00
13	T	Acrolein	250.000	195.607	21.8	100	0.00
14	T	Allyl chloride	50.000	44.352	11.3	103	0.00
15	T	Acrylonitrile	250.000	220.072	12.0	102	0.00
16	T	Acetone	250.000	188.800	24.5	92	0.00
17	T	Carbon Disulfide	50.000	42.877	14.2	101	0.00
18	T	Methyl Acetate	50.000	41.043	17.9	98	0.00
19	T	Methyl tert-butyl Ether	50.000	43.949	12.1	103	0.00
20	T	Methylene Chloride	50.000	42.541	14.9	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.270	5.5	114	0.00
22	T	Diisopropyl ether	50.000	44.002	12.0	103	0.00
23	T	Vinyl Acetate	250.000	221.516	11.4	99	0.00
24	P	1,1-Dichloroethane	50.000	44.839	10.3	106	0.00
25	T	2-Butanone	250.000	208.407	16.6	95	0.00
26	T	2,2-Dichloropropane	50.000	39.976	20.0	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.591	6.8	109	0.00
28	T	Bromochloromethane	50.000	43.742	12.5	108	0.00
29	T	Tetrahydrofuran	250.000	209.558	16.2	97	0.00
30	C	Chloroform	50.000	44.816	10.4#	106	0.00
31	T	Cyclohexane	50.000	45.598	8.8	110	0.00
32	T	1,1,1-Trichloroethane	50.000	46.410	7.2	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	41.925	16.2	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35	S	Dibromofluoromethane	50.000	48.145	3.7	111	0.00
36	T	1,1-Dichloropropene	50.000	47.200	5.6	112	0.00
37	T	Ethyl Acetate	50.000	44.228	11.5	98	0.00
38	T	Carbon Tetrachloride	50.000	48.140	3.7	110	0.00
39	T	Methylcyclohexane	50.000	48.050	3.9	108	0.00
40	TM	Benzene	50.000	47.238	5.5	107	0.00
41	T	Methacrylonitrile	50.000	46.454	7.1	101	0.00
42	TM	1,2-Dichloroethane	50.000	43.203	13.6	96	0.00
43	T	Isopropyl Acetate	50.000	43.998	12.0	97	0.00
44	TM	Trichloroethene	50.000	49.561	0.9	112	0.00
45	C	1,2-Dichloropropane	50.000	46.915	6.2#	105	0.00
46	T	Dibromomethane	50.000	45.058	9.9	101	0.00
47	T	Bromodichloromethane	50.000	46.992	6.0	101	0.00
48	T	Methyl methacrylate	50.000	45.277	9.4	98	0.00

Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1064.890	-6.5	117	0.00
50	S	Toluene-d8	50.000	50.145	-0.3	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	227.662	8.9	98	0.00
52	CM	Toluene	50.000	49.134	1.7#	109	0.00
53	T	t-1,3-Dichloropropene	50.000	46.012	8.0	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.908	4.2	103	0.00
55	T	1,1,2-Trichloroethane	50.000	47.983	4.0	105	0.00
56	T	Ethyl methacrylate	50.000	47.299	5.4	101	0.00
57	T	1,3-Dichloropropane	50.000	47.294	5.4	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	228.196	8.7	104	0.00
59	T	2-Hexanone	250.000	227.247	9.1	97	0.00
60	T	Dibromochloromethane	50.000	49.353	1.3	103	0.00
61	T	1,2-Dibromoethane	50.000	47.860	4.3	105	0.00
62	S	4-Bromofluorobenzene	50.000	48.226	3.5	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	112	0.00
64	T	Tetrachloroethene	50.000	52.495	-5.0	120	0.00
65	PM	Chlorobenzene	50.000	47.866	4.3	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.585	-1.2	107	0.00
67	C	Ethyl Benzene	50.000	48.724	2.6#	108	0.00
68	T	m/p-Xylenes	100.000	100.611	-0.6	110	0.00
69	T	o-Xylene	50.000	50.021	-0.0	110	0.00
70	T	Styrene	50.000	50.824	-1.6	108	0.00
71	P	Bromoform	50.000	49.919	0.2	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73	T	Isopropylbenzene	50.000	49.624	0.8	112	0.00
74	T	N-amyl acetate	50.000	45.567	8.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.675	6.7	105	0.00
76	T	1,2,3-Trichloropropane	50.000	44.125	11.8	100	0.00
77	T	Bromobenzene	50.000	47.913	4.2	108	0.00
78	T	n-propylbenzene	50.000	50.290	-0.6	111	0.00
79	T	2-Chlorotoluene	50.000	46.876	6.2	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.526	0.9	109	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.896	8.2	97	0.00
82	T	4-Chlorotoluene	50.000	47.649	4.7	108	0.00
83	T	tert-Butylbenzene	50.000	50.251	-0.5	113	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.359	1.3	109	0.00
85	T	sec-Butylbenzene	50.000	51.265	-2.5	113	0.00
86	T	p-Isopropyltoluene	50.000	51.708	-3.4	113	0.00
87	T	1,3-Dichlorobenzene	50.000	48.692	2.6	110	0.00
88	T	1,4-Dichlorobenzene	50.000	46.988	6.0	110	0.00
89	T	n-Butylbenzene	50.000	52.283	-4.6	111	0.00
90	T	Hexachloroethane	50.000	51.448	-2.9	109	0.00
91	T	1,2-Dichlorobenzene	50.000	49.363	1.3	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.175	9.7	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.359	-0.7	108	0.00
94	T	Hexachlorobutadiene	50.000	51.196	-2.4	117	0.00
95	T	Naphthalene	50.000	49.090	1.8	105	0.00

Sample Results: **VX043635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.201	1.6	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

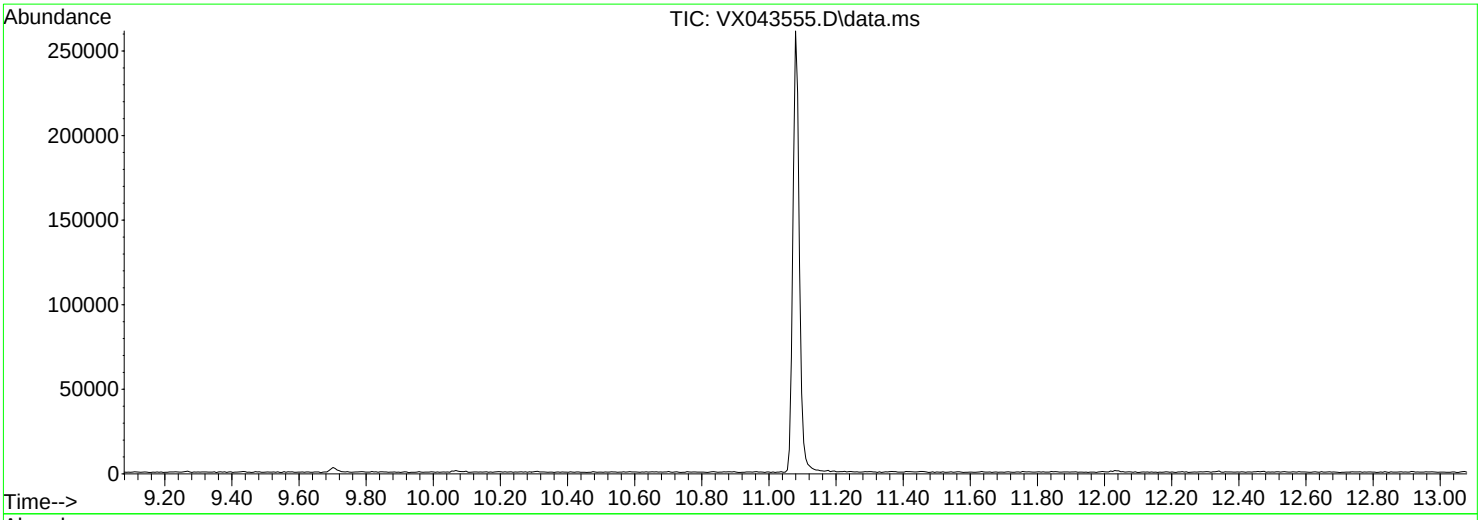
Sample Results: **VX043555.D**

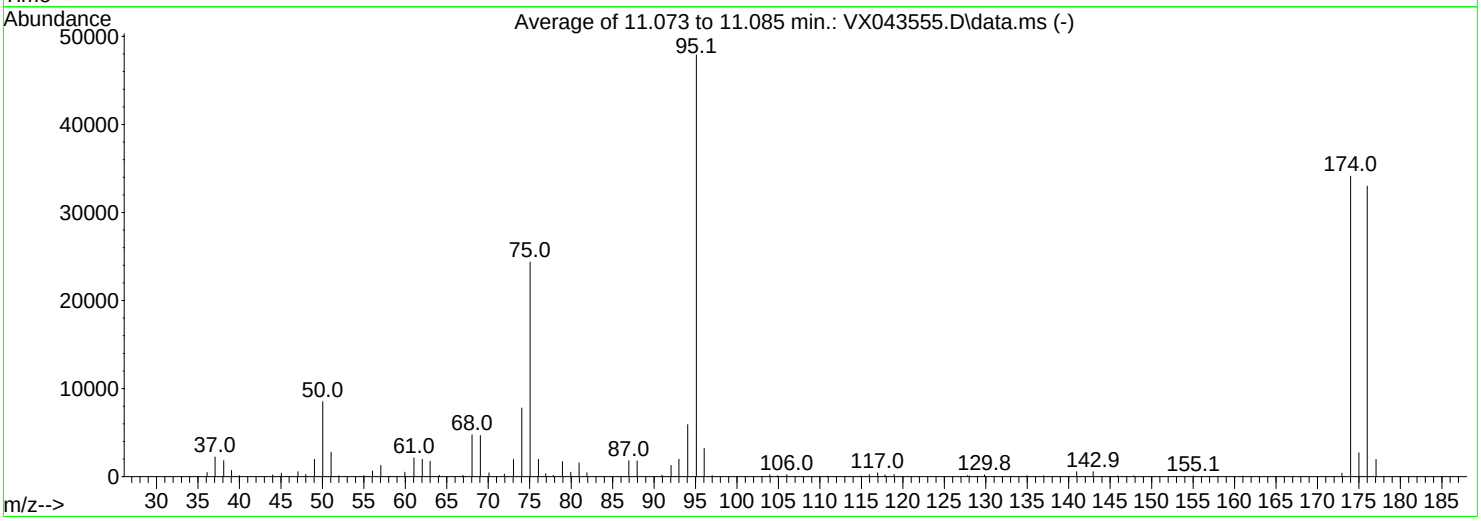
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043555.D
Acq On : 28 Oct 2024 10:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	8521	PASS
75	95	30	60	50.9	24360	PASS
95	95	100	100	100.0	47901	PASS
96	95	5	9	6.7	3204	PASS
173	174	0.00	2	1.2	395	PASS
174	95	50	100	71.2	34123	PASS
175	174	5	9	7.9	2705	PASS
176	174	95	101	96.7	32992	PASS
177	176	5	9	6.0	1964	PASS

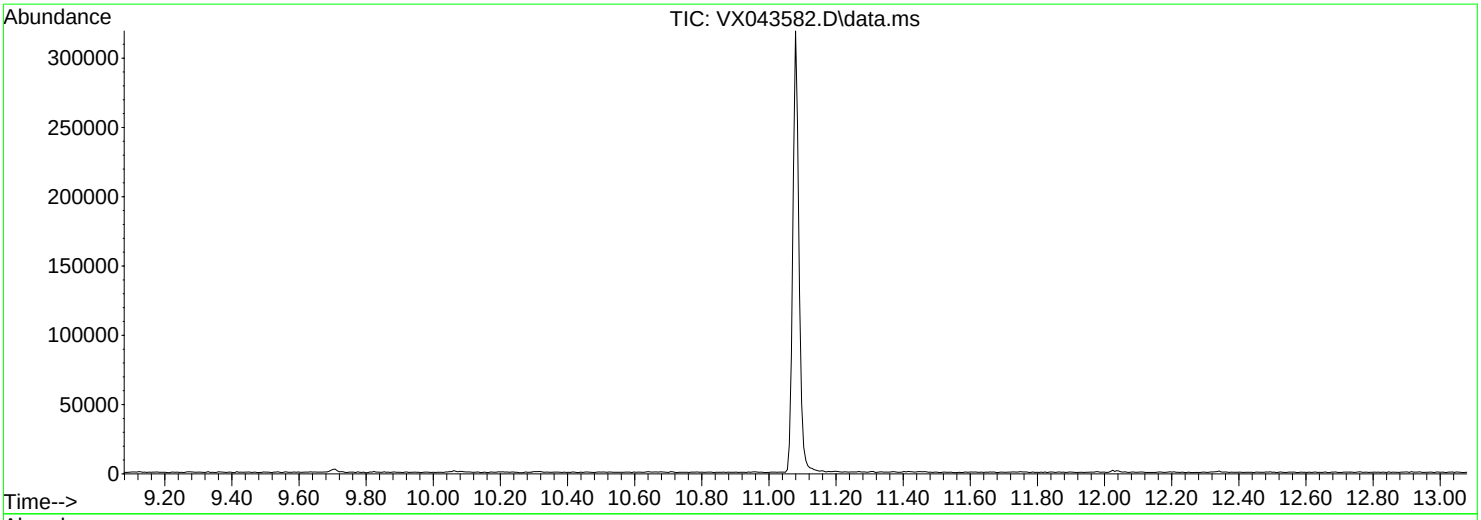
Sample Results: **VX043582.D**

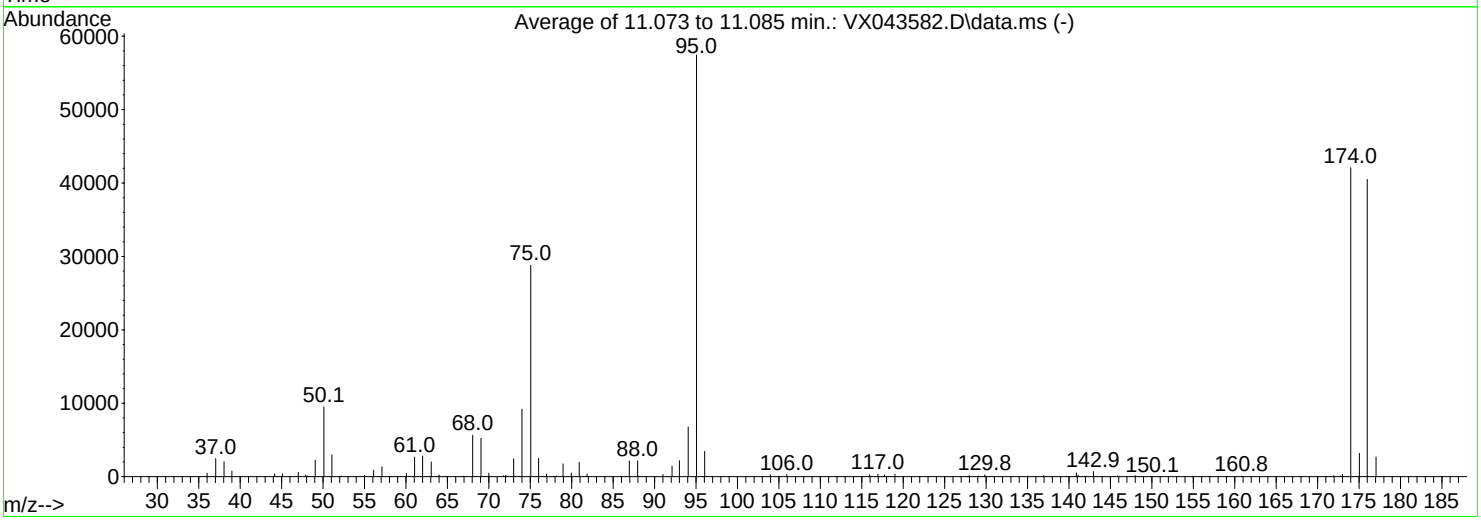
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043582.D
Acq On : 29 Oct 2024 08:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	9509	PASS
75	95	30	60	50.1	28803	PASS
95	95	100	100	100.0	57464	PASS
96	95	5	9	6.0	3434	PASS
173	174	0.00	2	0.7	307	PASS
174	95	50	100	73.3	42096	PASS
175	174	5	9	7.5	3171	PASS
176	174	95	101	96.2	40501	PASS
177	176	5	9	6.6	2676	PASS

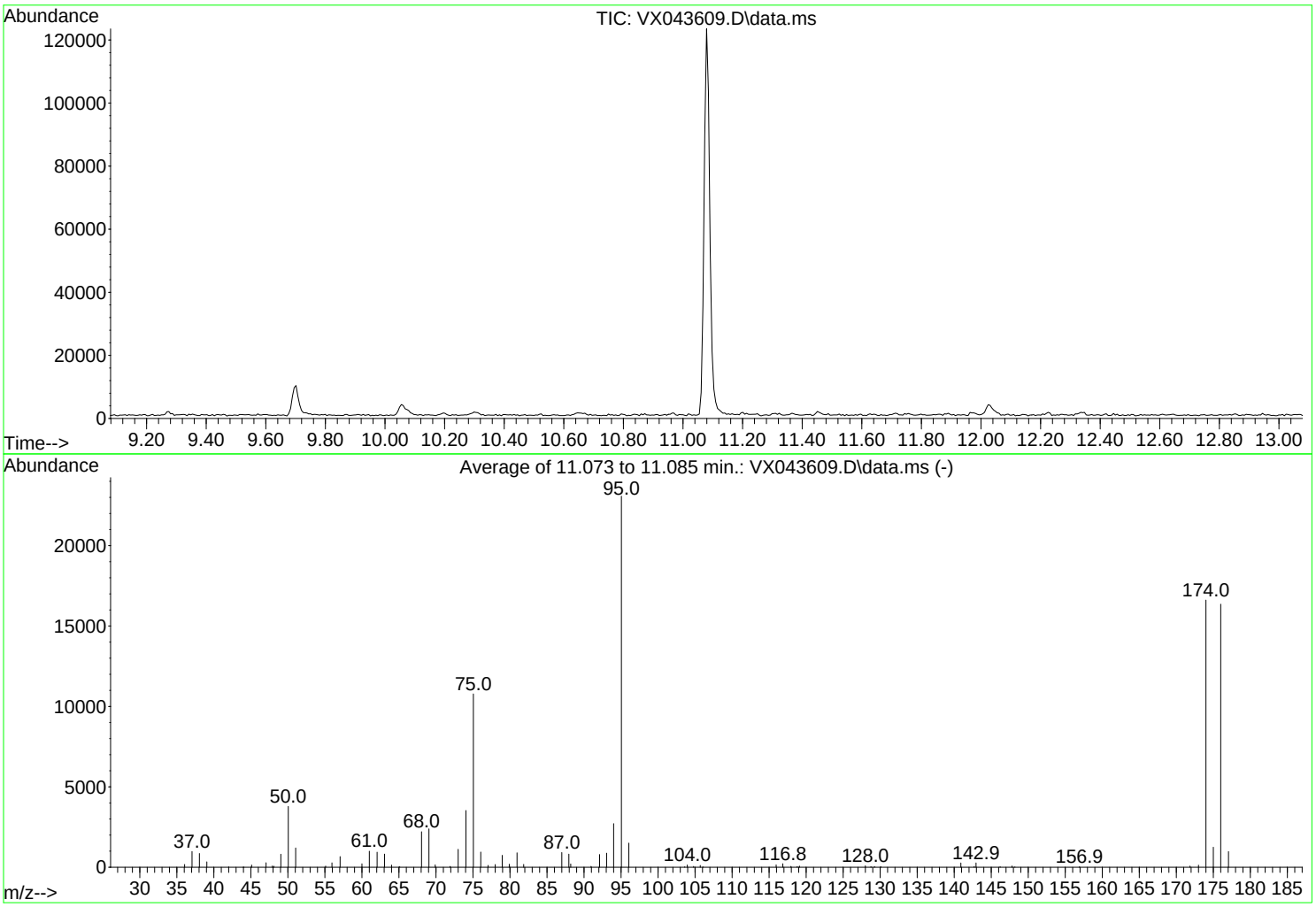
Sample Results: **VX043609.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043609.D
Acq On : 30 Oct 2024 08:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	3783	PASS
75	95	30	60	46.7	10779	PASS
95	95	100	100	100.0	23075	PASS
96	95	5	9	6.5	1504	PASS
173	174	0.00	2	0.8	133	PASS
174	95	50	100	72.0	16614	PASS
175	174	5	9	7.5	1248	PASS
176	174	95	101	98.5	16361	PASS
177	176	5	9	6.0	977	PASS

Raw Data: **VX043585.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4600
Lab Sample ID:	VX1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043585.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	VX1029WBL01		SDG No.:	P4600	
Lab Sample ID:	VX1029WBL01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.4		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	160000	5.55				
540-36-3	1,4-Difluorobenzene	295000	6.757				
3114-55-4	Chlorobenzene-d5	266000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.018				

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\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	160199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	128354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110928	43.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.860%			
35) Dibromofluoromethane	5.379	113	91054	45.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.920%			
50) Toluene-d8	8.647	98	350111	50.493	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	129946	50.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.160%			

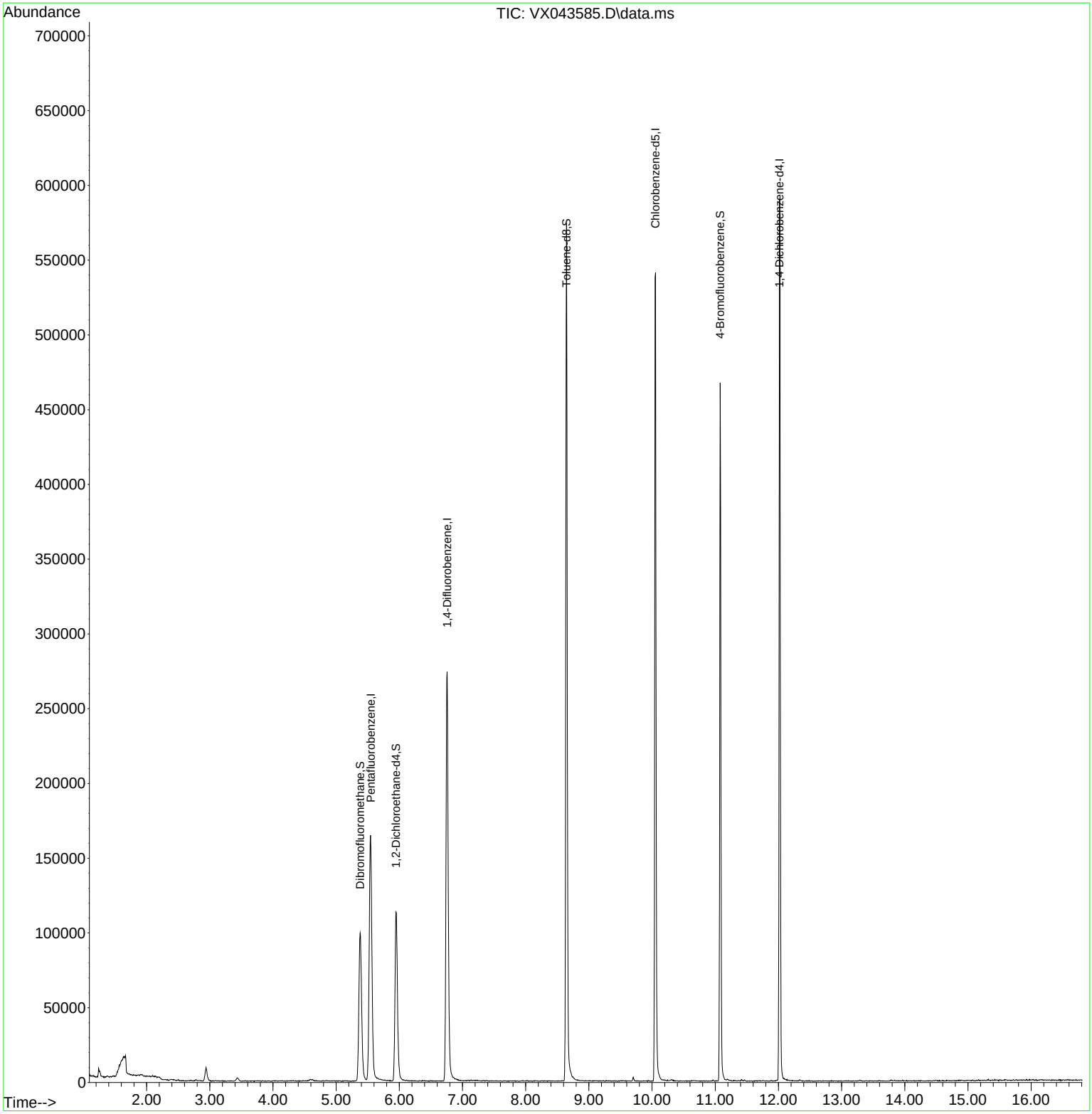
Target Compounds Qvalue

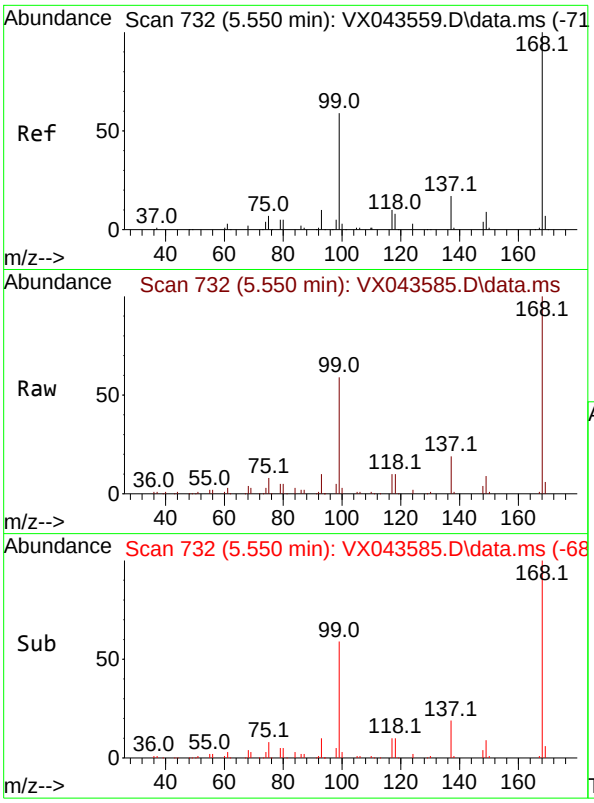
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



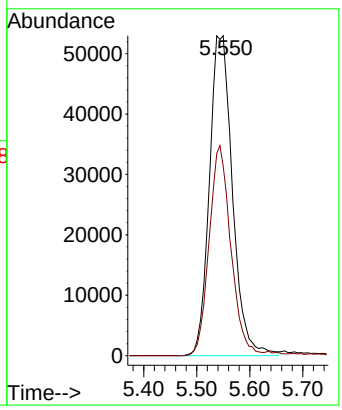


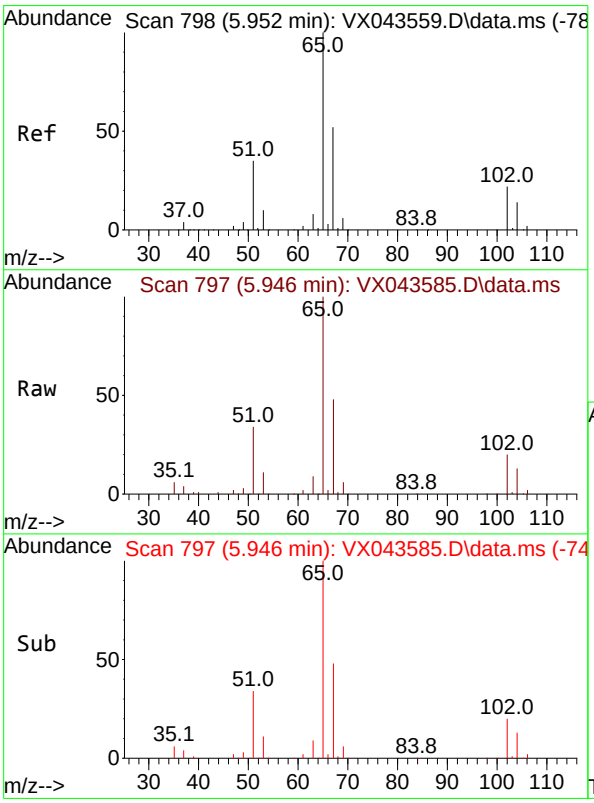
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:168 Resp: 160199

Ion	Ratio	Lower	Upper
168	100		
99	59.3	52.6	78.8

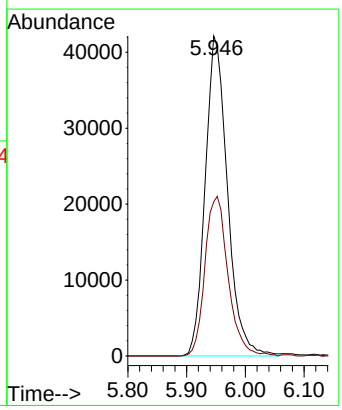


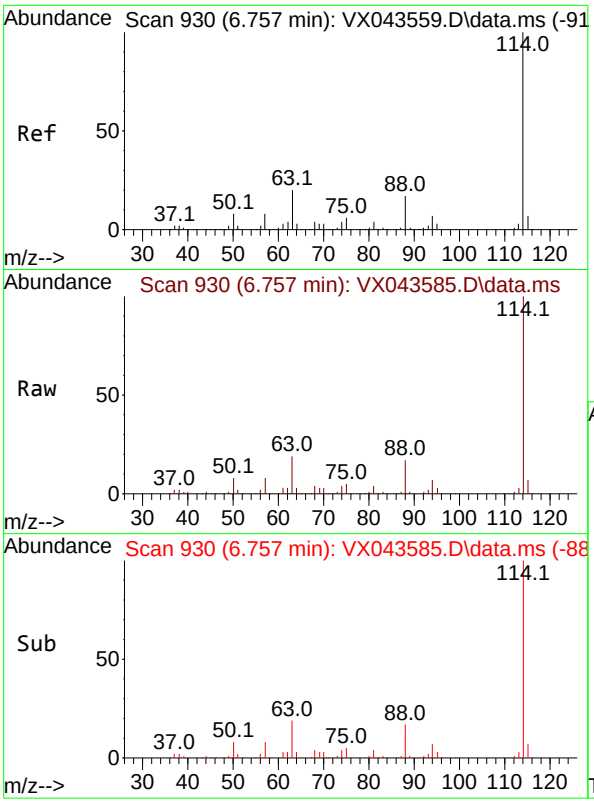


#33
1,2-Dichloroethane-d4
Concen: 43.426 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 65 Resp: 110928

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



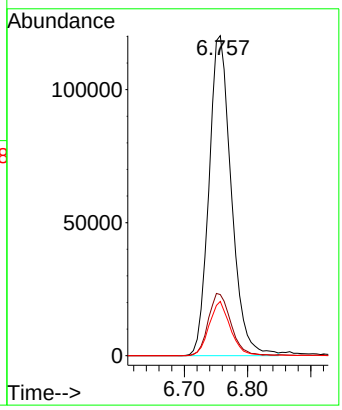


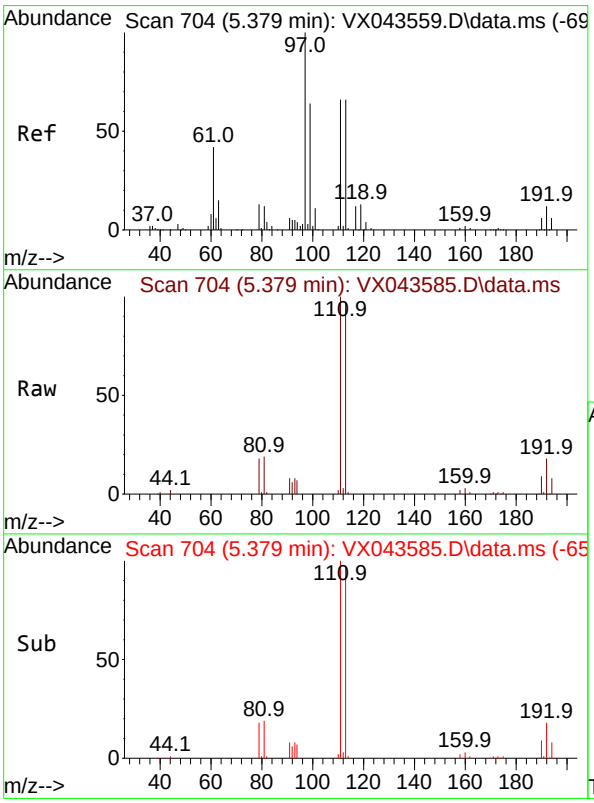
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:114 Resp: 295395

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.2
88	17.0	0.0	34.0

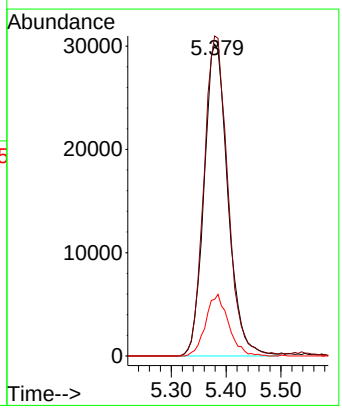


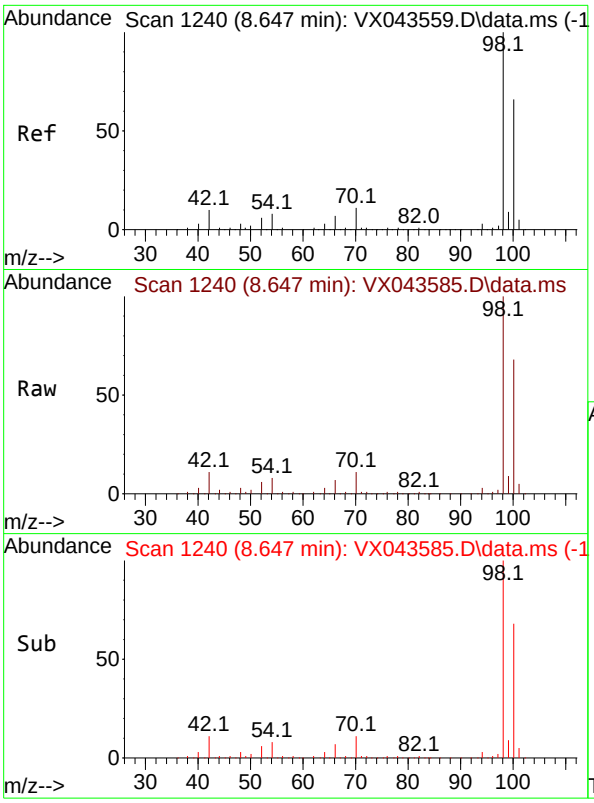


#35
Dibromofluoromethane
Concen: 45.457 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion:113 Resp: 91054

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	19.0	14.1	21.1



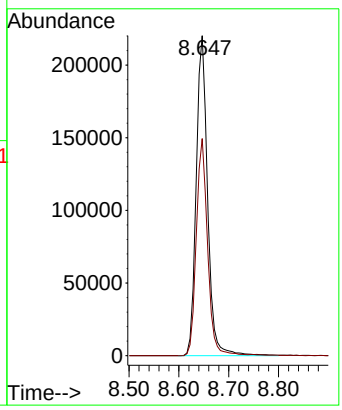


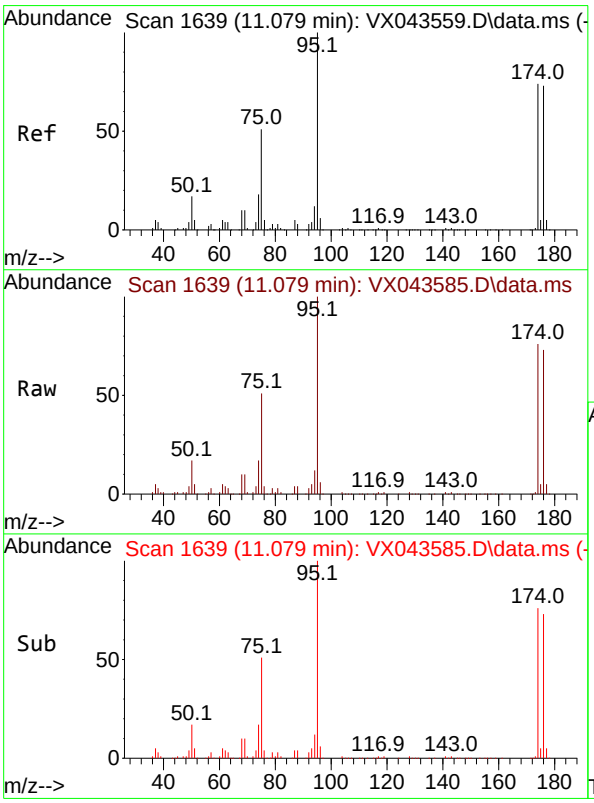
#50
Toluene-d8
Concen: 50.493 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion: 98 Resp: 350111

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2

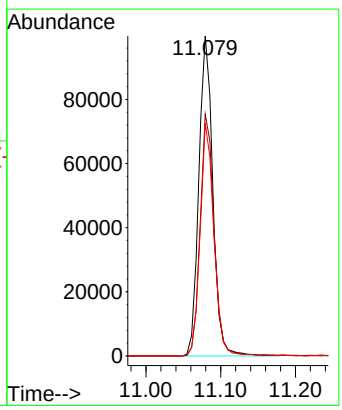


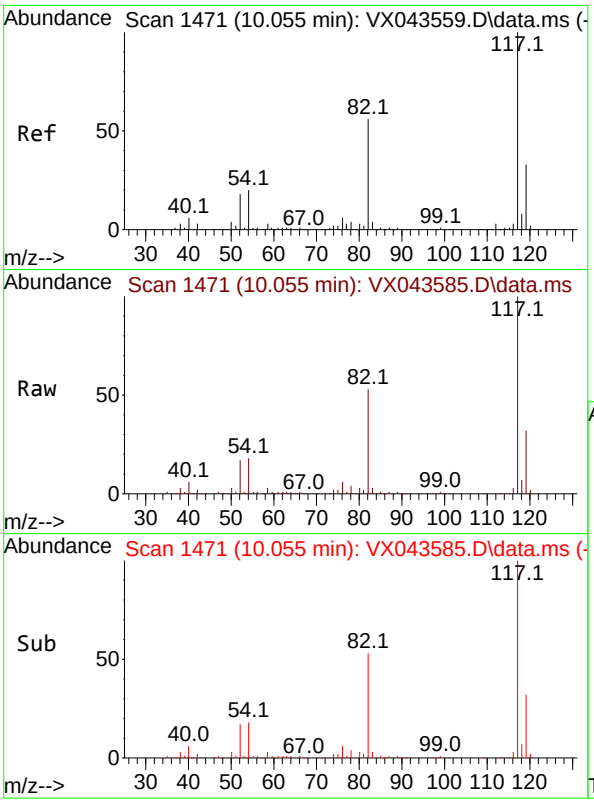


#62
4-Bromofluorobenzene
Concen: 50.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 95 Resp: 129946

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	146.6
176	71.3	0.0	139.6



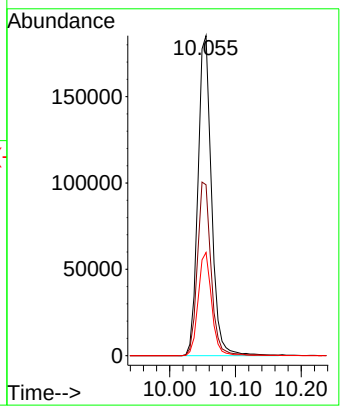


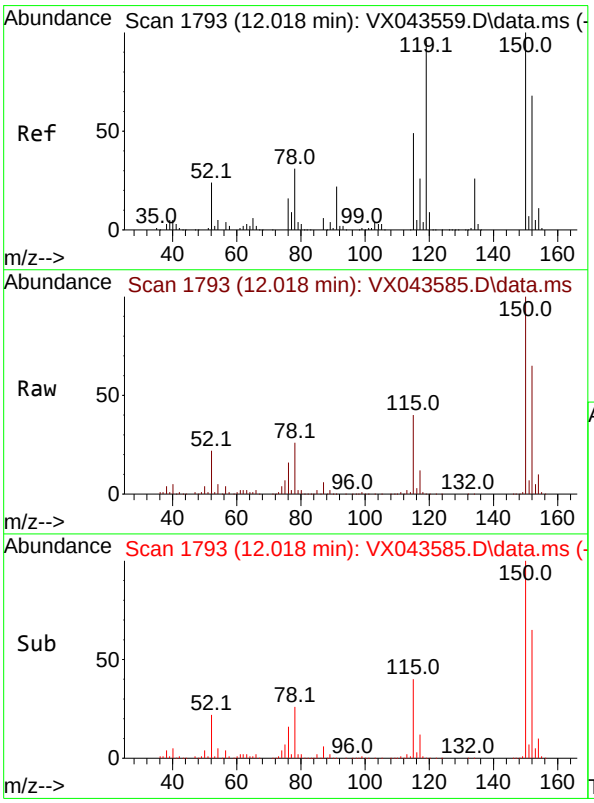
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:117 Resp: 265502

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.3	25.4	38.2

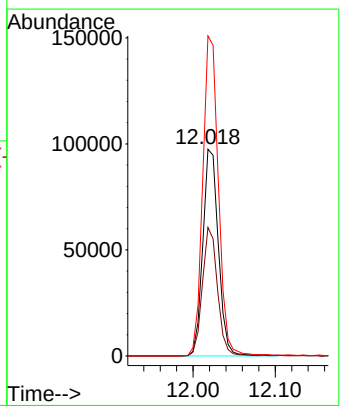




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion:152 Resp: 128354

Ion	Ratio	Lower	Upper
152	100		
115	60.1	42.9	128.7
150	156.4	0.0	343.6



Sample Results: **VX043585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043585.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	33	rBV2	5820	10354	1.13%	0.210%
2	1.636	69	90	91	rBV2	13385	60832	6.63%	1.236%
3	2.941	296	304	311	rBV	9049	21276	2.32%	0.432%
4	5.379	692	704	720	rBV3	98873	298272	32.51%	6.061%
5	5.544	720	731	748	rBV2	163521	477089	52.00%	9.695%
6	5.946	787	797	815	rBV	113015	307419	33.51%	6.247%
7	6.757	921	930	945	rBV	273644	673105	73.37%	13.678%
8	8.647	1233	1240	1255	rBV	573649	917416	100.00%	18.643%
9	10.055	1465	1471	1487	rBV	540530	792585	86.39%	16.106%
10	11.079	1634	1639	1654	rBV	466858	602291	65.65%	12.239%
11	12.018	1788	1793	1803	rBV	589573	760401	82.89%	15.452%

Sum of corrected areas: 4921040

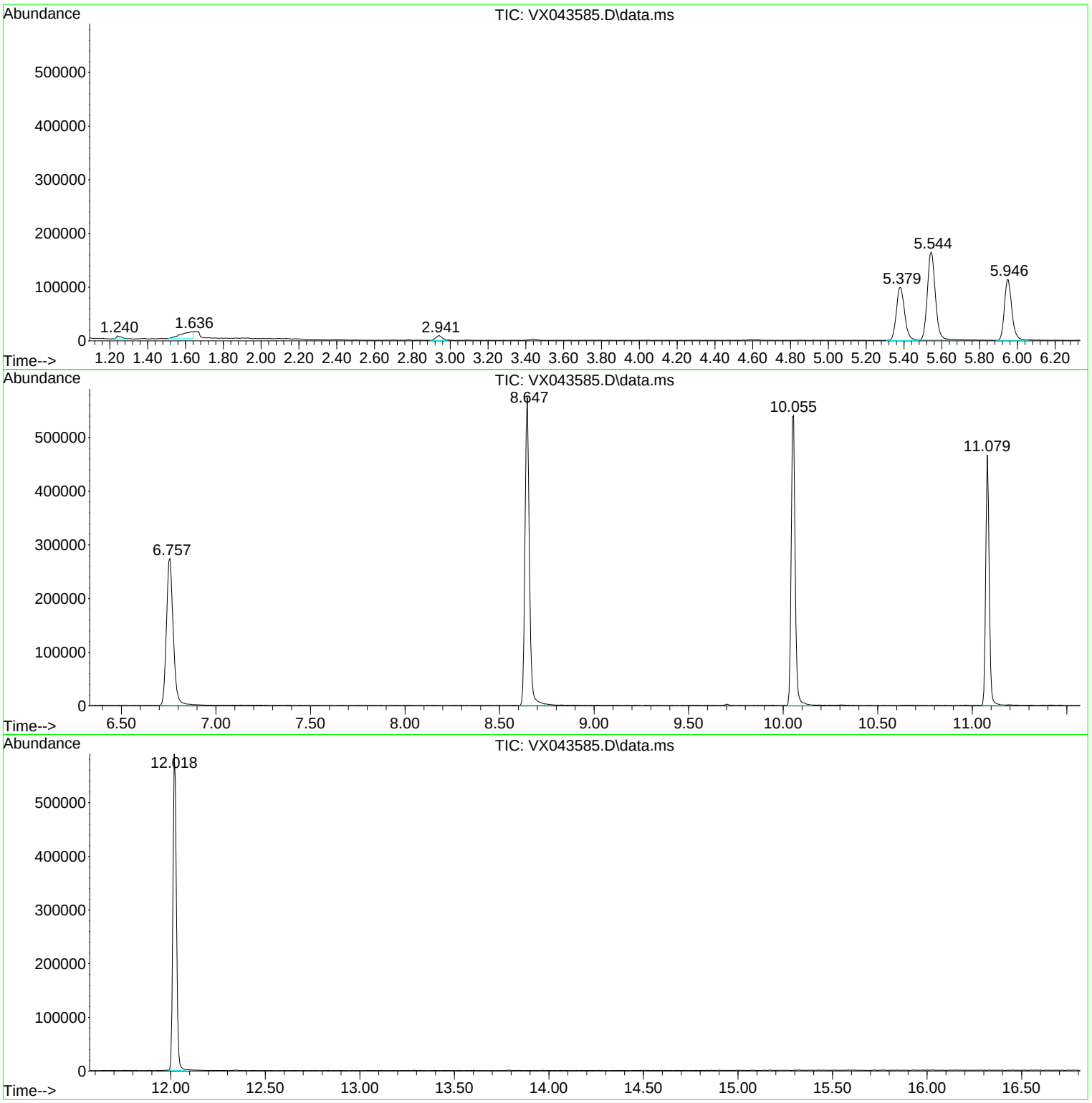
Sample Results: **VX043585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043612.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1030WBL01	SDG No.:	P4600
Lab Sample ID:	VX1030WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX043612.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1030WBL01	SDG No.:	P4600
Lab Sample ID:	VX1030WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.6		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	204000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	87300	12.018				

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

Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Time: Oct 31 09:41:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

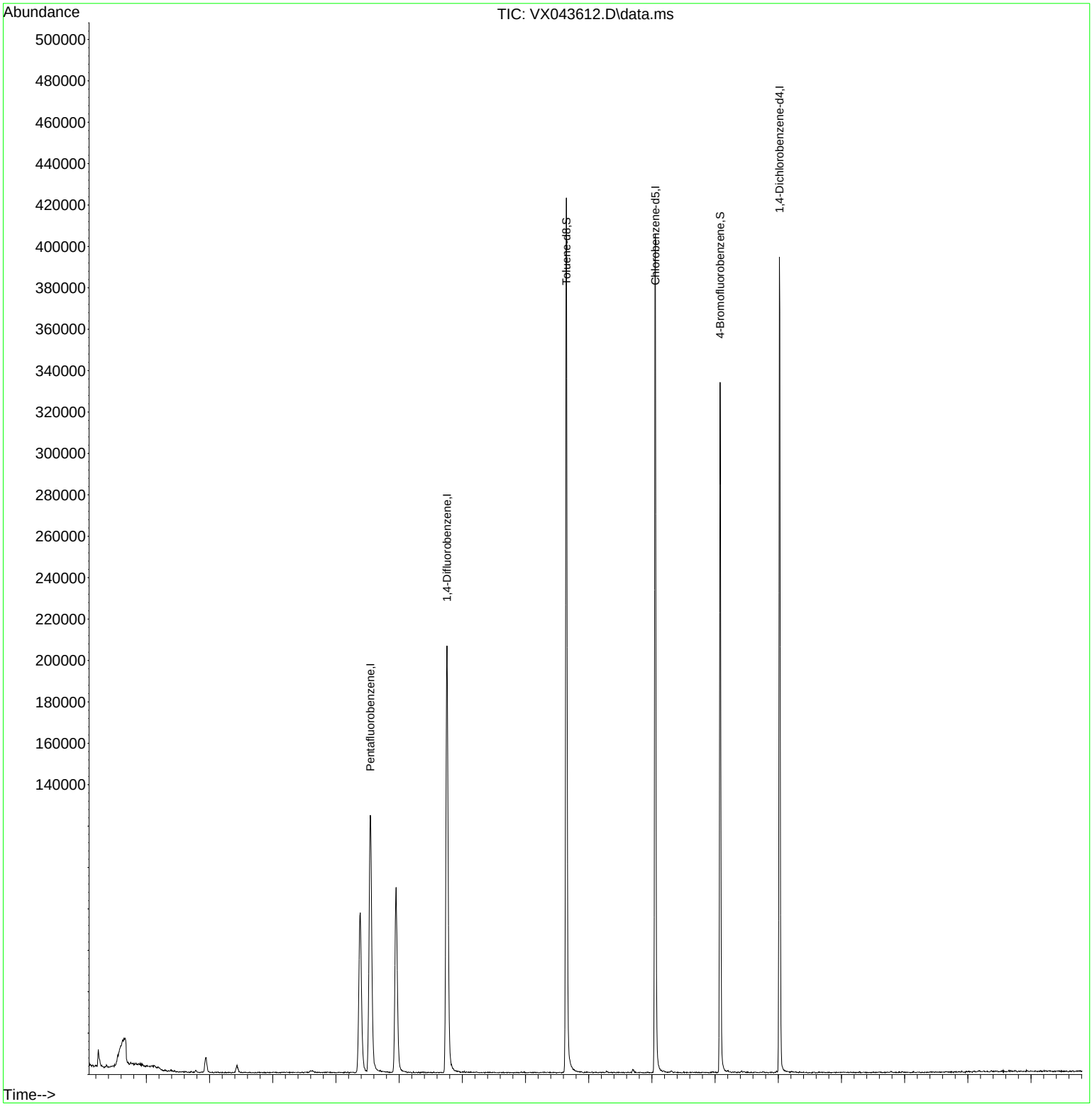
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	124305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86399	43.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.180%		
35) Dibromofluoromethane	5.385	113	70244	45.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.300%		
50) Toluene-d8	8.647	98	266605	49.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	93954	47.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.160%		
Target Compounds						Qvalue

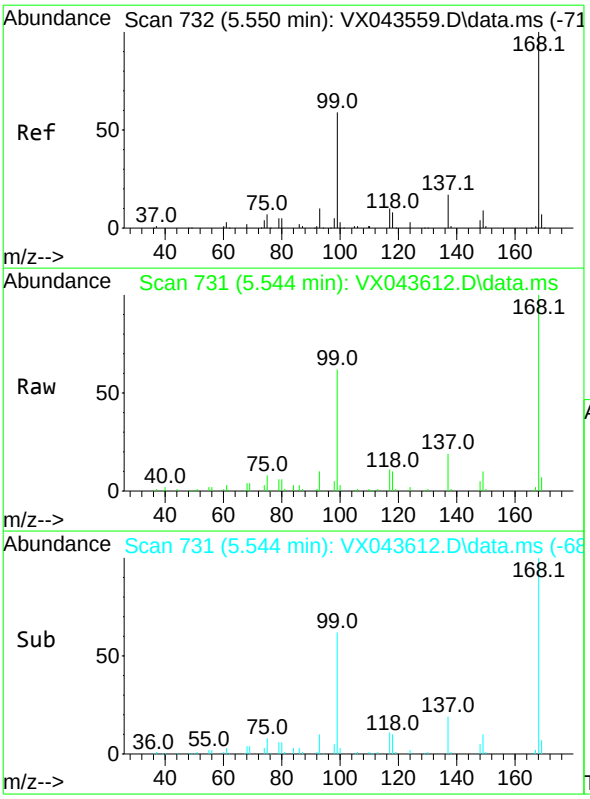
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Time: Oct 31 09:41:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



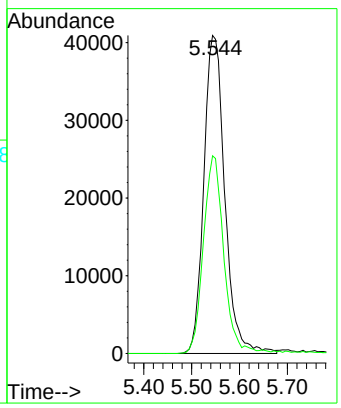


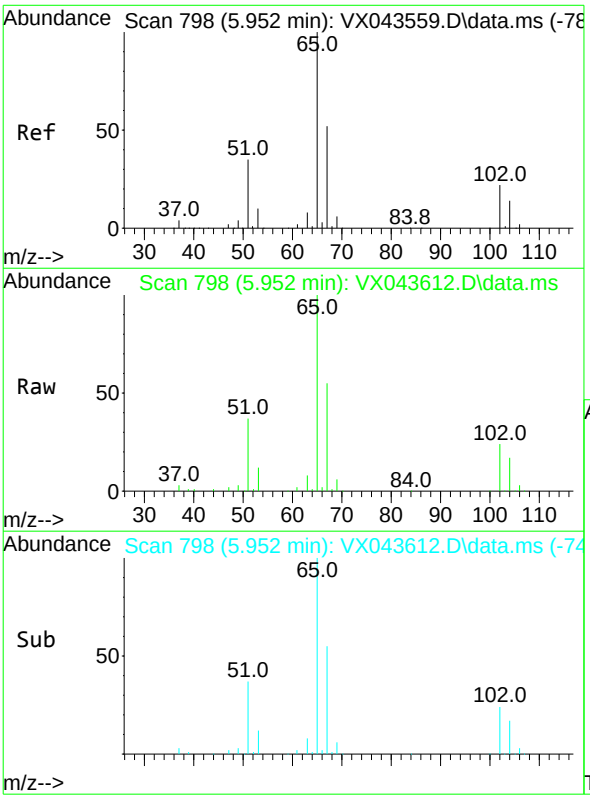
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion:168 Resp: 124305

Ion	Ratio	Lower	Upper
168	100		
99	62.2	52.6	78.8

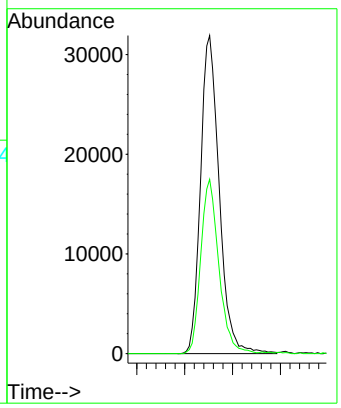


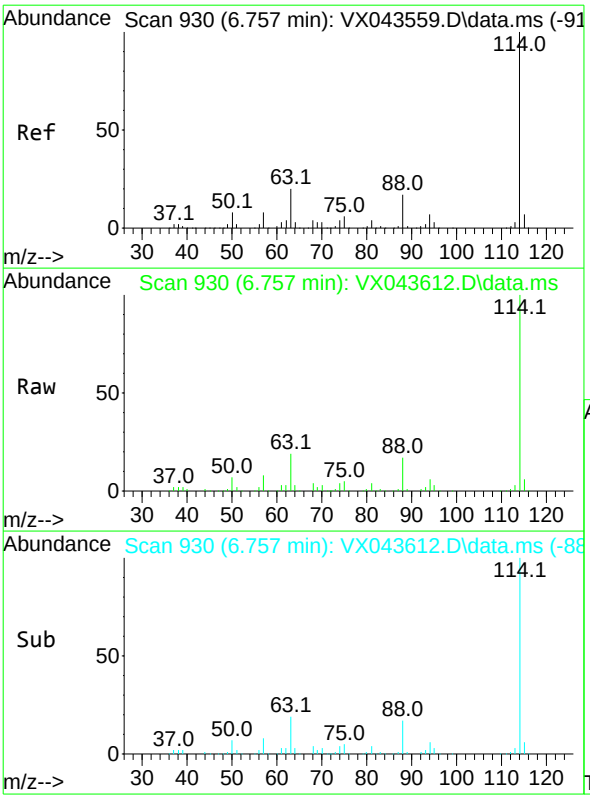


#33
1,2-Dichloroethane-d4
Concen: 43.590 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion: 65 Resp: 86399

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



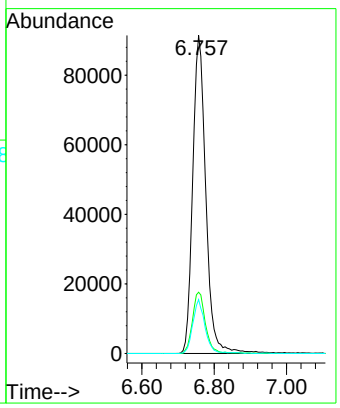


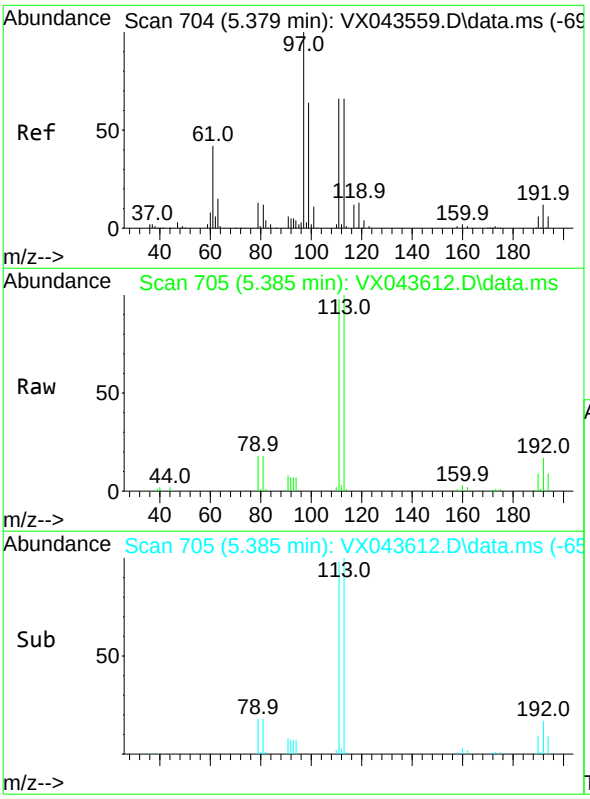
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion:114 Resp: 229429

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.2
88	17.0	0.0	34.0

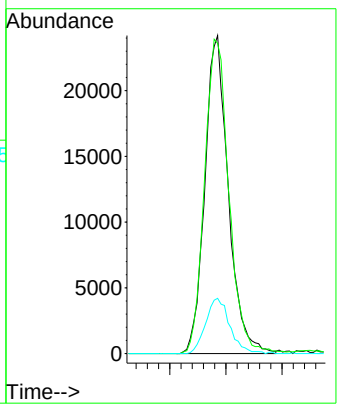


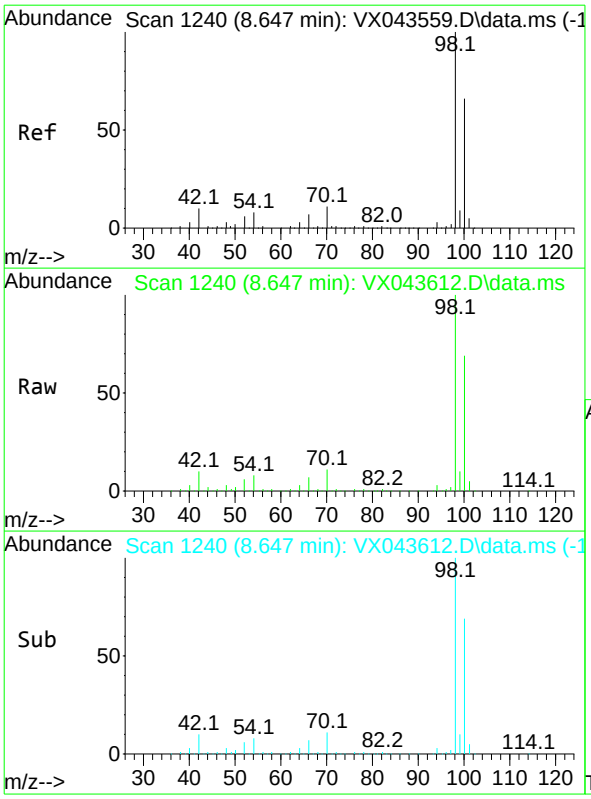


#35
Dibromofluoromethane
Concen: 45.151 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion:113 Resp: 70244

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	17.8	14.1	21.1



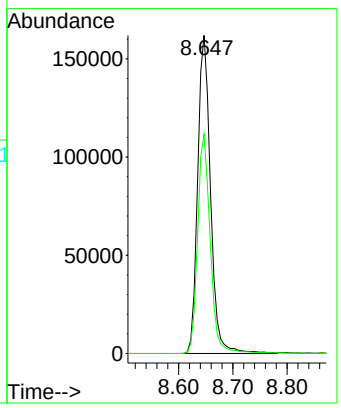


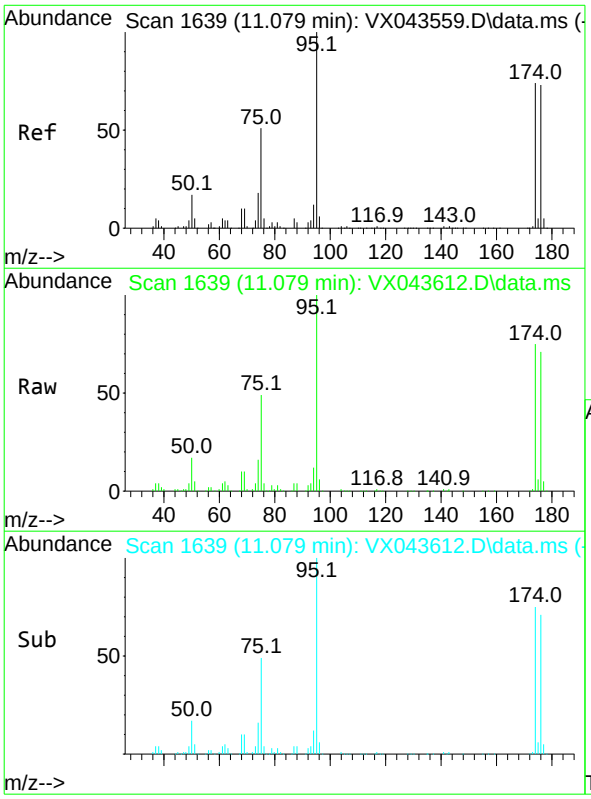
#50
Toluene-d8
Concen: 49.505 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion: 98 Resp: 266605

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2

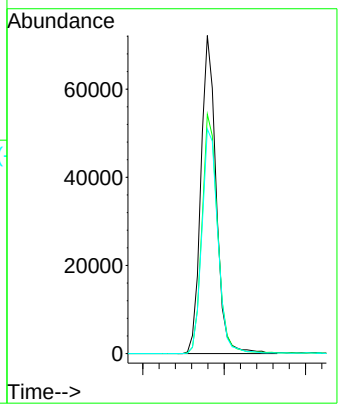


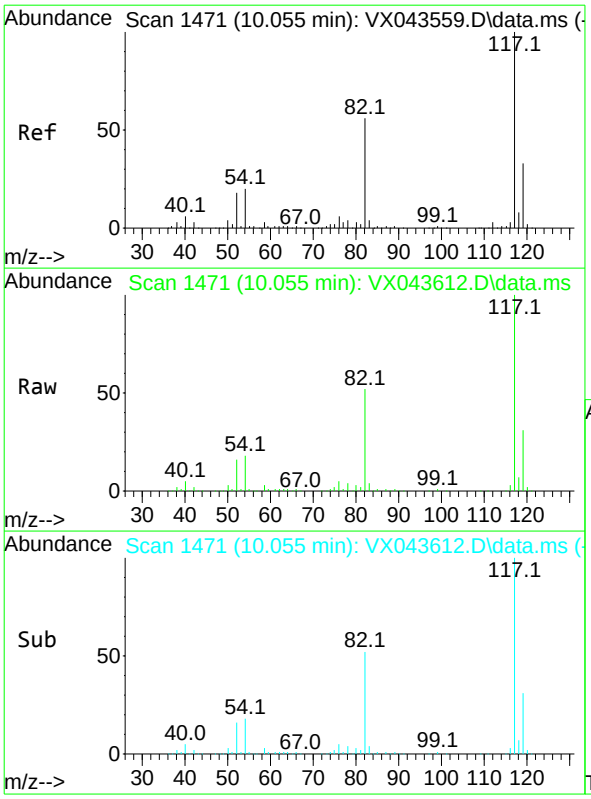


#62
4-Bromofluorobenzene
Concen: 47.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion: 95 Resp: 93954

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	146.6
176	73.9	0.0	139.6



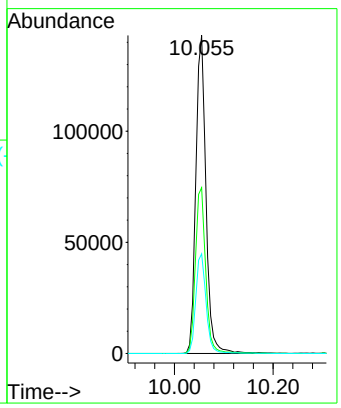


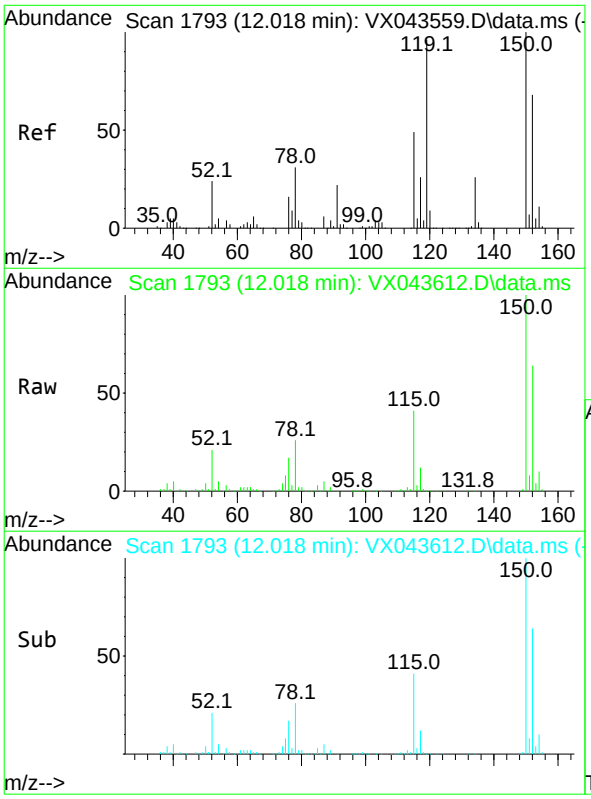
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion:117 Resp: 204357

Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.1	63.1
119	31.3	25.4	38.2

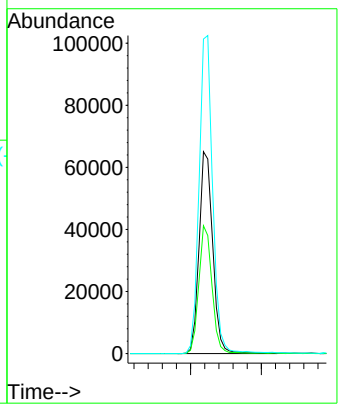




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion:152 Resp: 87309

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.9	128.7
150	157.3	0.0	343.6



Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043612.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV2	8176	12491	1.80%	0.343%
2	1.551	70	76	77	rBV4	5000	7445	1.07%	0.204%
3	1.624	77	88	90	rVV7	7799	24511	3.53%	0.672%
4	2.941	296	304	311	rBV2	7168	16664	2.40%	0.457%
5	5.385	691	705	716	rBV	77348	228288	32.86%	6.260%
6	5.544	722	731	752	rBV	123657	366158	52.70%	10.041%
7	5.952	787	798	814	rBV	89383	238665	34.35%	6.545%
8	6.757	920	930	951	rBV	206217	512246	73.72%	14.047%
9	8.647	1233	1240	1257	rBV	422407	694820	100.00%	19.054%
10	10.055	1465	1471	1486	rBV	405233	591930	85.19%	16.232%
11	11.079	1634	1639	1655	rBV	333319	438067	63.05%	12.013%
12	12.018	1788	1793	1806	rBV	393792	515301	74.16%	14.131%

Sum of corrected areas: 3646586

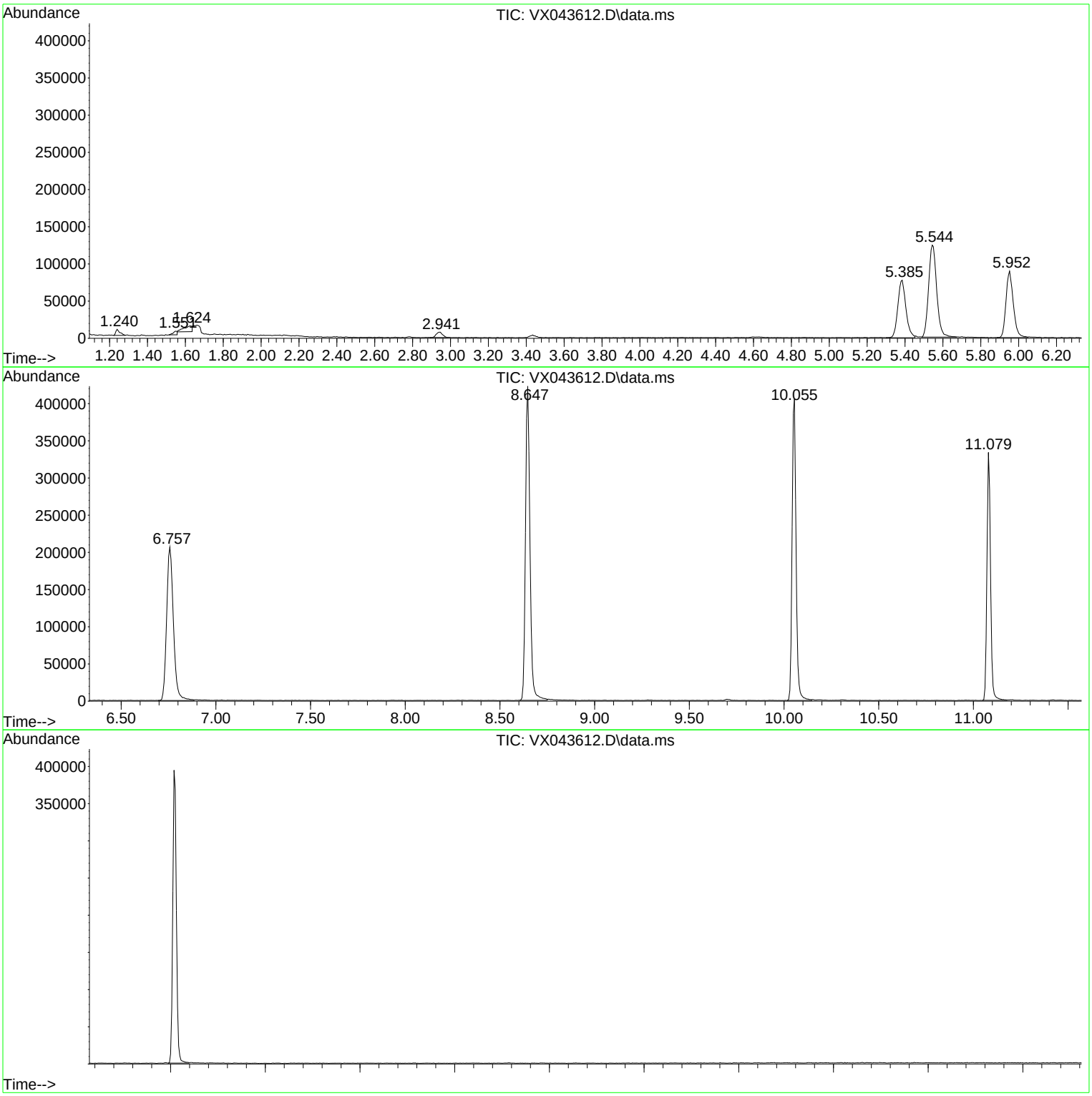
Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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

Raw Data: **VX043586.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4600
Lab Sample ID:	VX1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.0		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	92.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.4		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.1		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	86.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	21.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	90.2		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.9		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	91.2		1.10	2.50	5.00	ug/L

Raw Data: **VX043586.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4600
Lab Sample ID:	VX1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.1		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	202000	5.544				
540-36-3	1,4-Difluorobenzene	352000	6.757				
3114-55-4	Chlorobenzene-d5	295000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.018				

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\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	202431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	352202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	142936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135908	42.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.220%		
35) Dibromofluoromethane	5.379	113	111394	46.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.280%		
50) Toluene-d8	8.647	98	399169	48.283	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	144111	47.042	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	40027	18.489	ug/l	100
3) Chloromethane	1.294	50	44310	16.012	ug/l	92
4) Vinyl Chloride	1.374	62	46678	18.174	ug/l	99
5) Bromomethane	1.593	94	18192	17.375	ug/l	97
6) Chloroethane	1.660	64	17156m	18.960	ug/l	
7) Trichlorofluoromethane	1.861	101	64804	20.654	ug/l	98
8) Diethyl Ether	2.136	74	25896	17.863	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	45384	21.388	ug/l	99
10) Methyl Iodide	2.440	142	57476	18.748	ug/l	97
11) Tert butyl alcohol	3.007	59	56407m	93.626	ug/l	
12) 1,1-Dichloroethene	2.306	96	42035	19.385	ug/l	92
13) Acrolein	2.239	56	40906	86.821	ug/l	99
14) Allyl chloride	2.654	41	68347	18.223	ug/l	96
15) Acrylonitrile	3.068	53	115840	85.162	ug/l	99
16) Acetone	2.386	43	118332	92.319	ug/l	98
17) Carbon Disulfide	2.501	76	82388	18.170	ug/l	100
18) Methyl Acetate	2.703	43	60142	16.054	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	143107	17.354	ug/l	100
20) Methylene Chloride	2.782	84	47149	17.068	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	44262	19.321	ug/l	97
22) Diisopropyl ether	3.757	45	139725	18.024	ug/l	92
23) Vinyl Acetate	3.721	43	571697	89.264	ug/l	99
24) 1,1-Dichloroethane	3.605	63	79799	17.909	ug/l	98
25) 2-Butanone	4.556	43	160914	86.062	ug/l	99
26) 2,2-Dichloropropane	4.465	77	72610	19.908	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	53987	18.448	ug/l	99
28) Bromochloromethane	4.891	49	37071	17.489	ug/l	96
29) Tetrahydrofuran	5.007	42	100228	82.487	ug/l	98
30) Chloroform	5.086	83	84330	18.055	ug/l	99
31) Cyclohexane	5.458	56	69310	20.338	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	76151	19.420	ug/l	99
36) 1,1-Dichloropropene	5.684	75	56285	19.875	ug/l	98
37) Ethyl Acetate	4.714	43	60171	17.501	ug/l	98
38) Carbon Tetrachloride	5.666	117	62906	20.104	ug/l	97
39) Methylcyclohexane	7.373	83	75030	21.340	ug/l	99
40) Benzene	6.031	78	178716	18.917	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	33159	18.374	ug/l		97
42) 1,2-Dichloroethane	6.080	62	62263	18.332	ug/l		99
43) Isopropyl Acetate	6.336	43	100112	17.607	ug/l		100
44) Trichloroethene	7.123	130	46116	19.649	ug/l		95
45) 1,2-Dichloropropane	7.427	63	42277	18.174	ug/l		100
46) Dibromomethane	7.580	93	32080	17.910	ug/l		96
47) Bromodichloromethane	7.818	83	57532	18.310	ug/l		99
48) Methyl methacrylate	7.696	41	48326	17.927	ug/l		98
49) 1,4-Dioxane	7.671	88	23130	417.634	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	312558	90.192	ug/l		99
52) Toluene	8.714	92	113851	19.871	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	59568	17.650	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	70181	19.517	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	44829	18.797	ug/l		93
56) Ethyl methacrylate	9.116	69	69497	17.934	ug/l		98
57) 1,3-Dichloropropane	9.305	76	74400	18.757	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	172110	91.703	ug/l		99
59) 2-Hexanone	9.433	43	240151	91.242	ug/l		100
60) Dibromochloromethane	9.518	129	44184	18.709	ug/l		98
61) 1,2-Dibromoethane	9.610	107	45897	18.539	ug/l		96
64) Tetrachloroethene	9.269	164	39340	21.213	ug/l		98
65) Chlorobenzene	10.079	112	123286	19.435	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	40788	19.685	ug/l		99
67) Ethyl Benzene	10.195	91	209043	20.209	ug/l		100
68) m/p-Xylenes	10.299	106	160547	40.586	ug/l		99
69) o-Xylene	10.640	106	79997	20.128	ug/l		99
70) Styrene	10.652	104	133590	20.223	ug/l		99
71) Bromoform	10.799	173	26501	17.788	ug/l	#	96
73) Isopropylbenzene	10.963	105	207962	20.539	ug/l		100
74) N-amyl acetate	10.841	43	89068	18.058	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	67422	18.518	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	54362m	17.788	ug/l		
77) Bromobenzene	11.195	156	50119	19.170	ug/l		99
78) n-propylbenzene	11.305	91	227750	20.630	ug/l		99
79) 2-Chlorotoluene	11.360	91	143898	19.657	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	171034	20.260	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	19932	17.942	ug/l		96
82) 4-Chlorotoluene	11.451	91	162418	19.767	ug/l		96
83) tert-Butylbenzene	11.713	119	176326	20.537	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	176438	20.508	ug/l		99
85) sec-Butylbenzene	11.890	105	214438	21.308	ug/l		100
86) p-Isopropyltoluene	12.006	119	180325	21.080	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	92275	19.691	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	93923	19.343	ug/l		99
89) n-Butylbenzene	12.329	91	148112	21.249	ug/l		99
90) Hexachloroethane	12.536	117	28082	20.210	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	92312	19.265	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	16.540	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	55722	19.158	ug/l		98
94) Hexachlorobutadiene	13.725	225	22819	21.279	ug/l		98
95) Naphthalene	13.774	128	207496	18.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	57807	18.850	ug/l		99

Sample Results: **VX043586.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

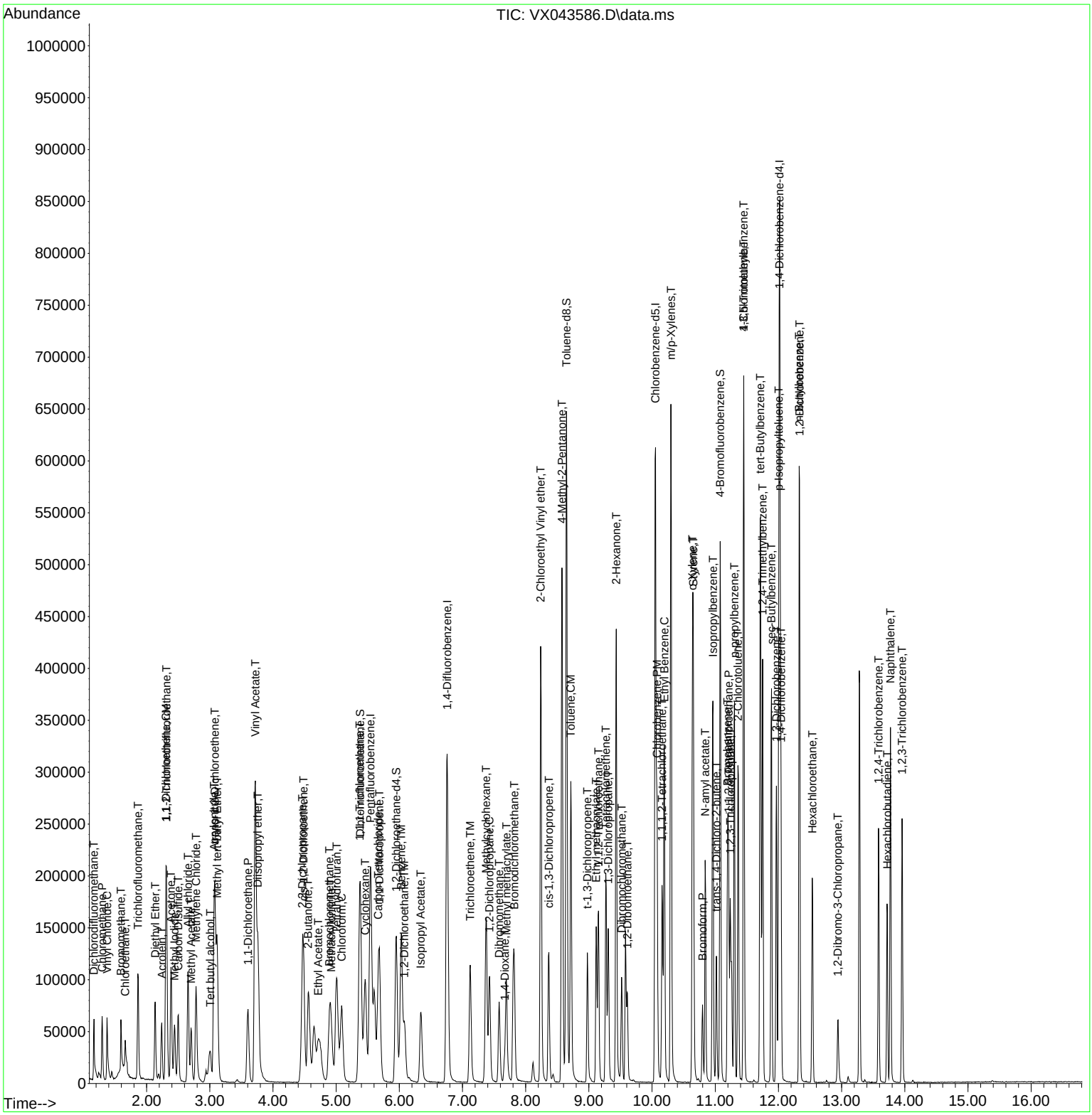
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

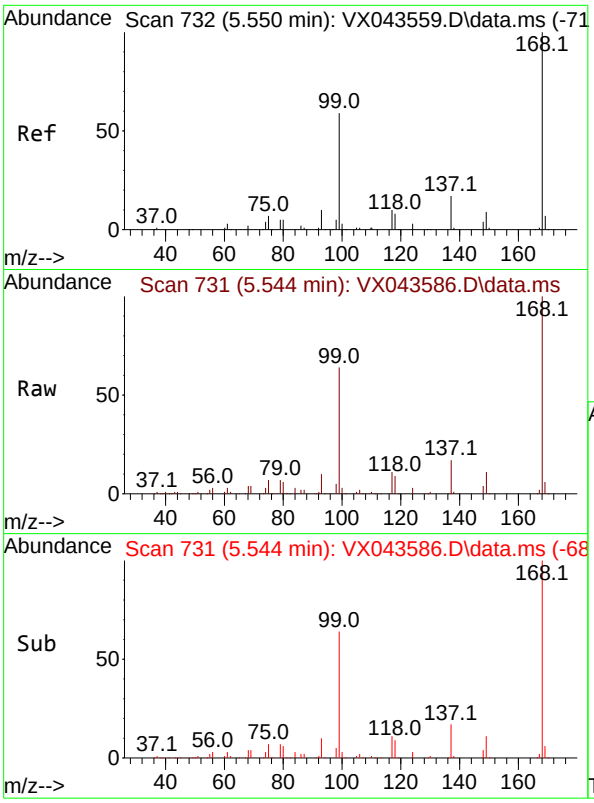
Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

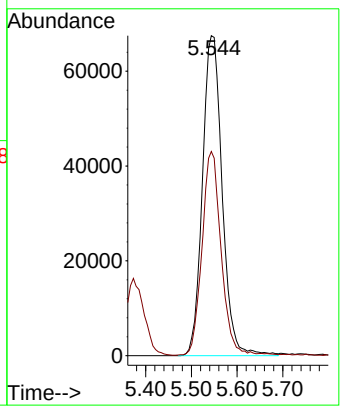




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:168 Resp: 20243

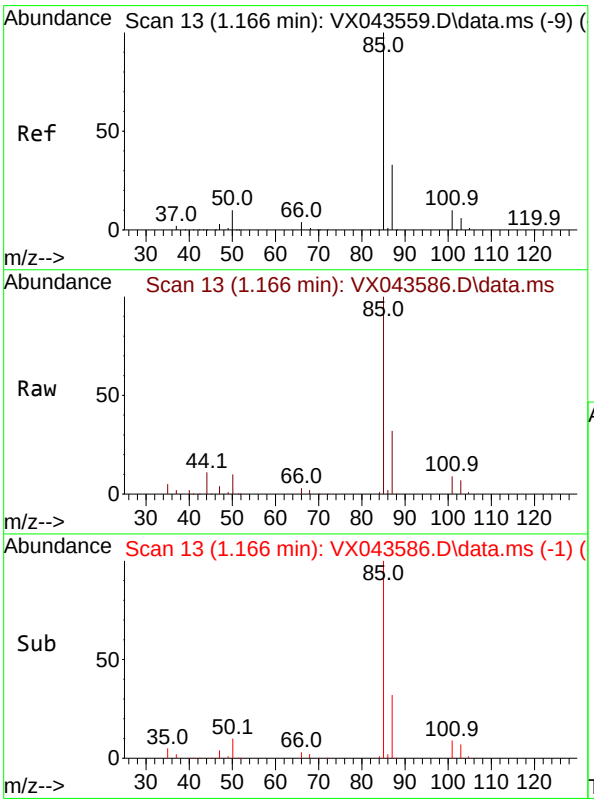
Ion	Ratio	Lower	Upper
168	100		
99	63.6	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

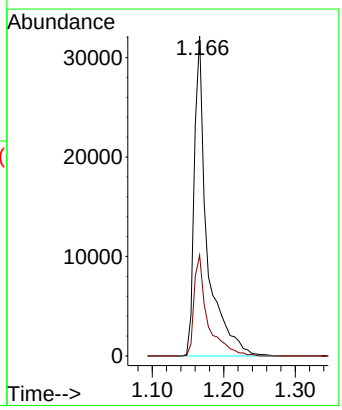
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

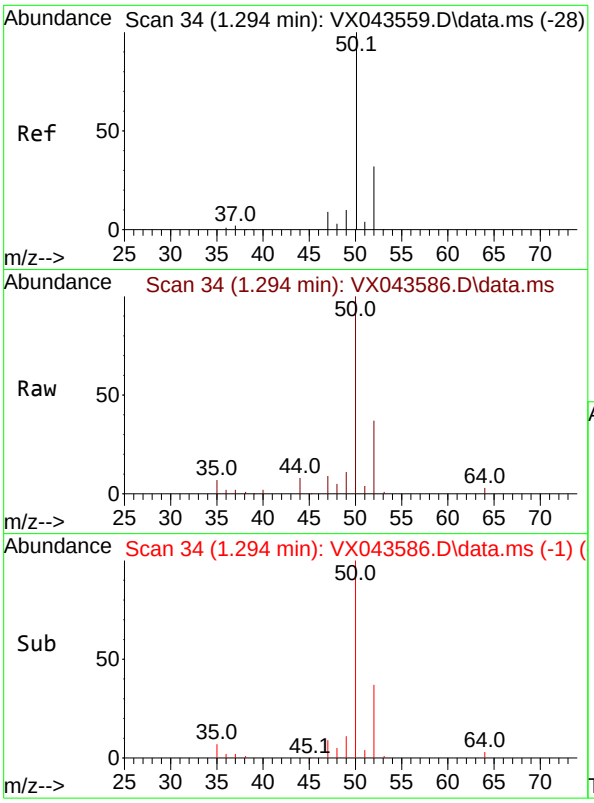


#2
Dichlorodifluoromethane
Concen: 18.489 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 85 Resp: 40027

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.0

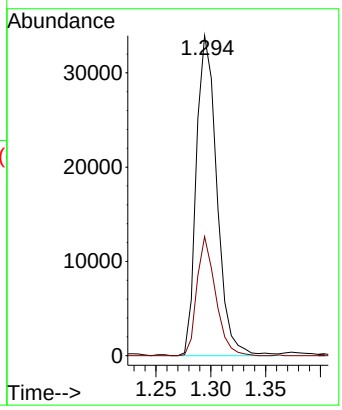




#3
Chloromethane
Concen: 16.012 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 50 Resp: 4431

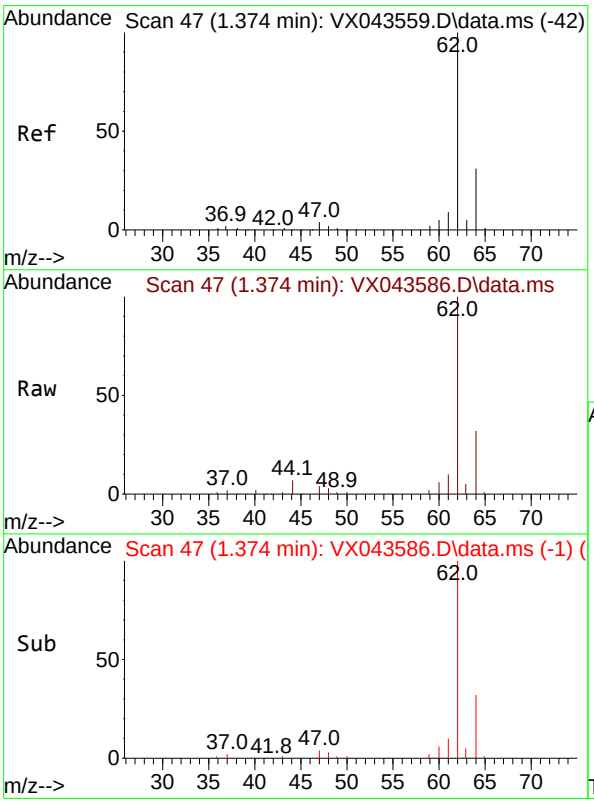
Ion	Ratio	Lower	Upper
50	100		
52	37.2	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

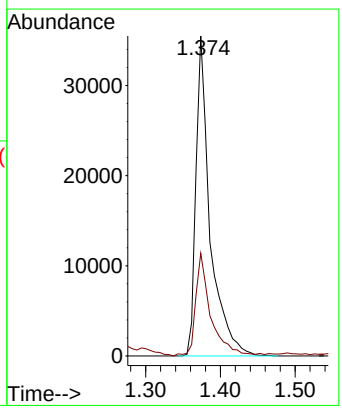
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

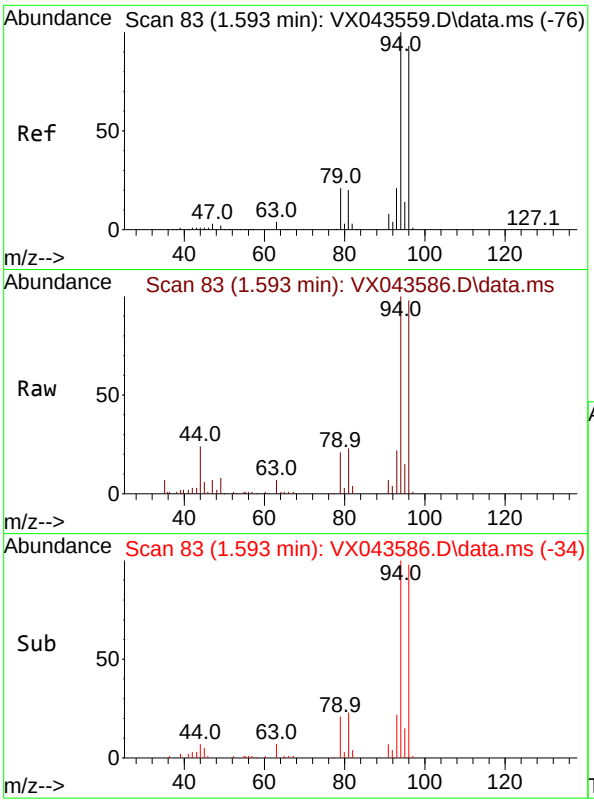


#4
Vinyl Chloride
Concen: 18.174 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 62 Resp: 46678

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.0	37.4

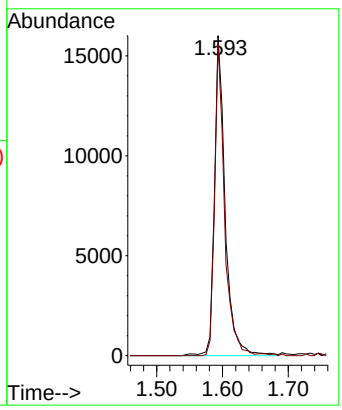




#5
Bromomethane
Concen: 17.375 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 94 Resp: 1819

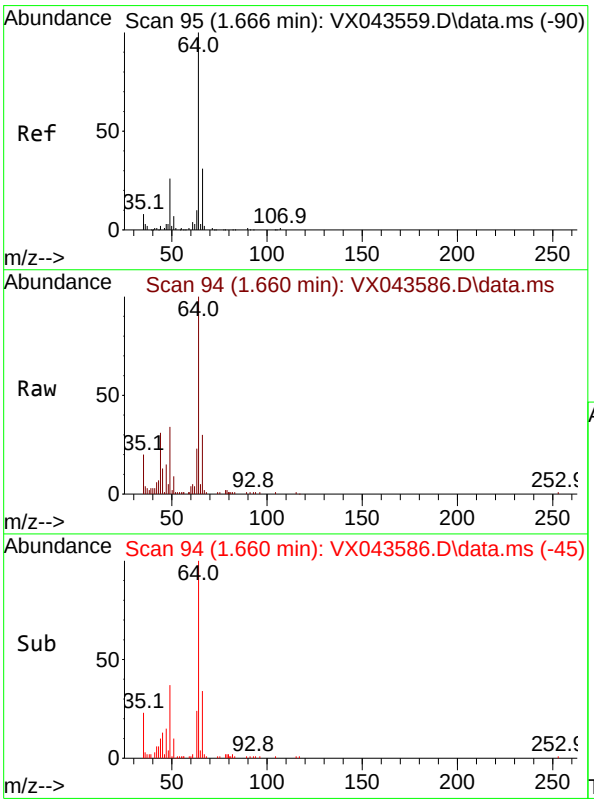
Ion	Ratio	Lower	Upper
94	100		
96	97.6	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

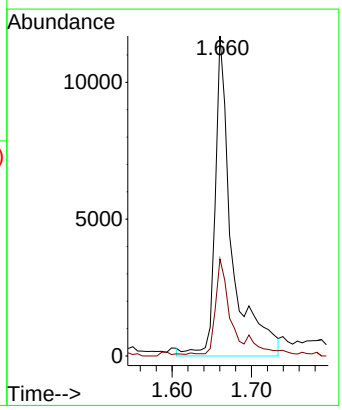
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

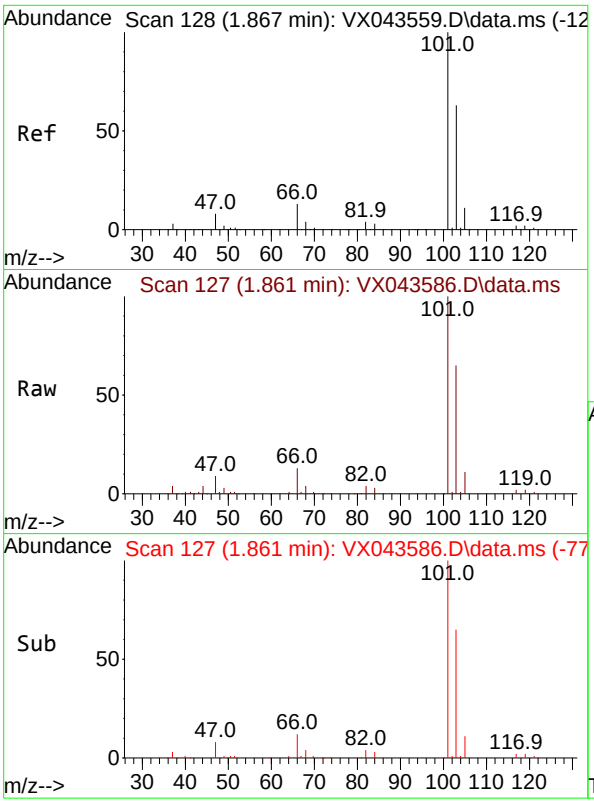


#6
Chloroethane
Concen: 18.960 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 64 Resp: 17156

Ion	Ratio	Lower	Upper
64	100		
66	30.3	25.1	37.7





#7
Trichlorofluoromethane
Concen: 20.654 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

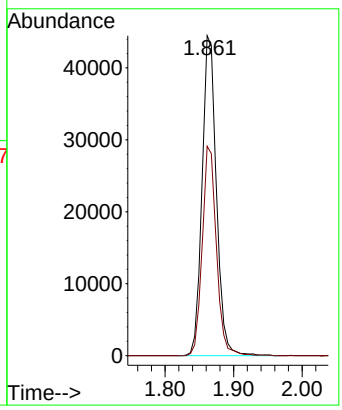
Tgt Ion:101 Resp: 6480

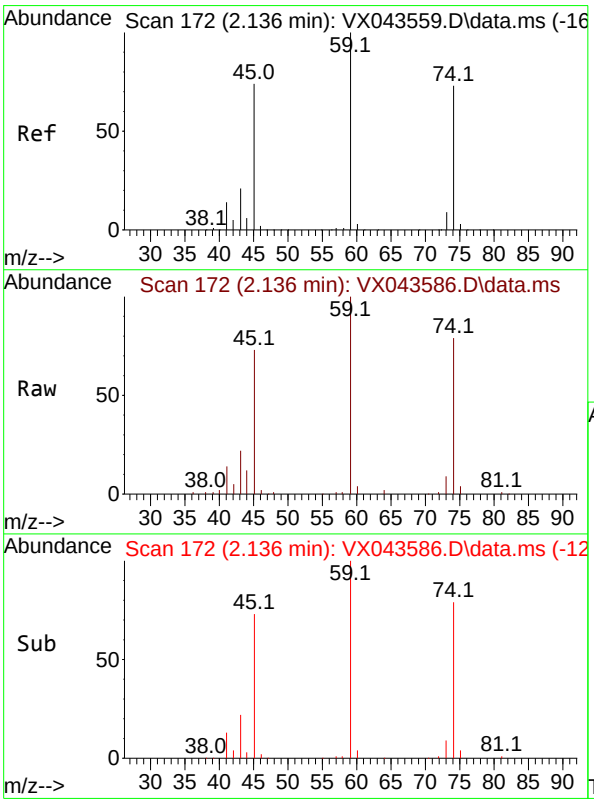
Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

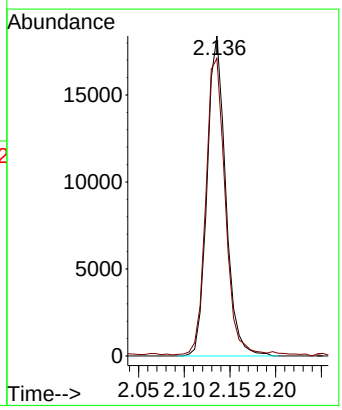


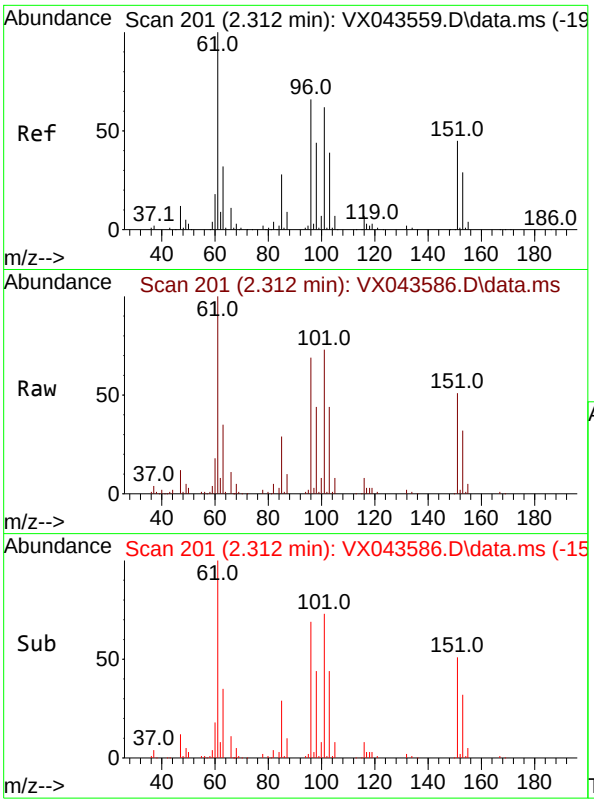


#8
Diethyl Ether
Concen: 17.863 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 74 Resp: 25896

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.388 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

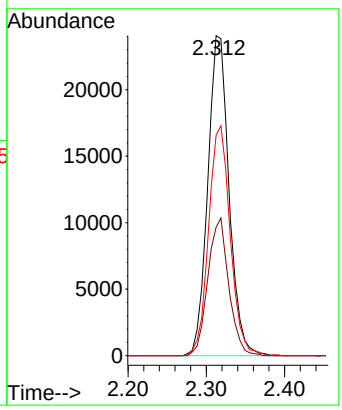
Tgt Ion:101 Resp: 4538

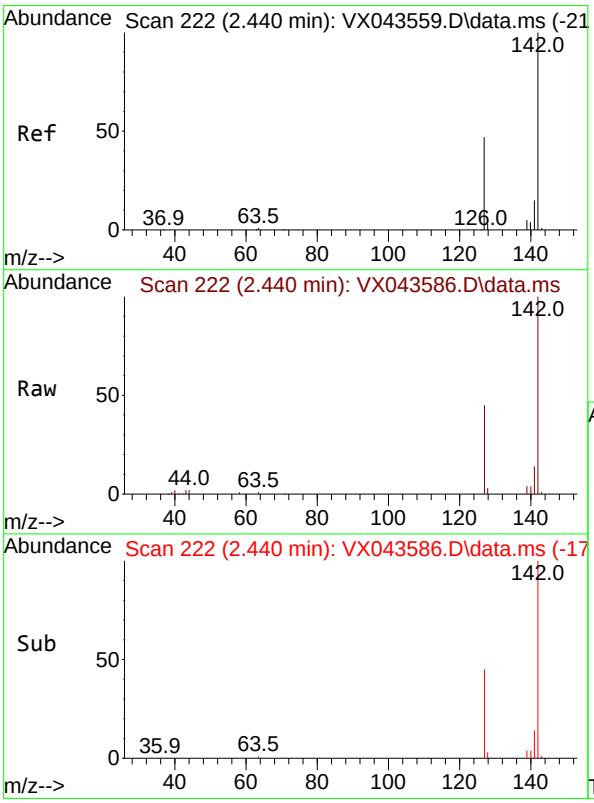
Ion	Ratio	Lower	Upper
101	100		
85	42.1	34.5	51.7
151	73.1	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

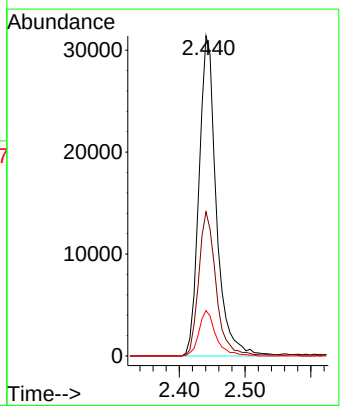


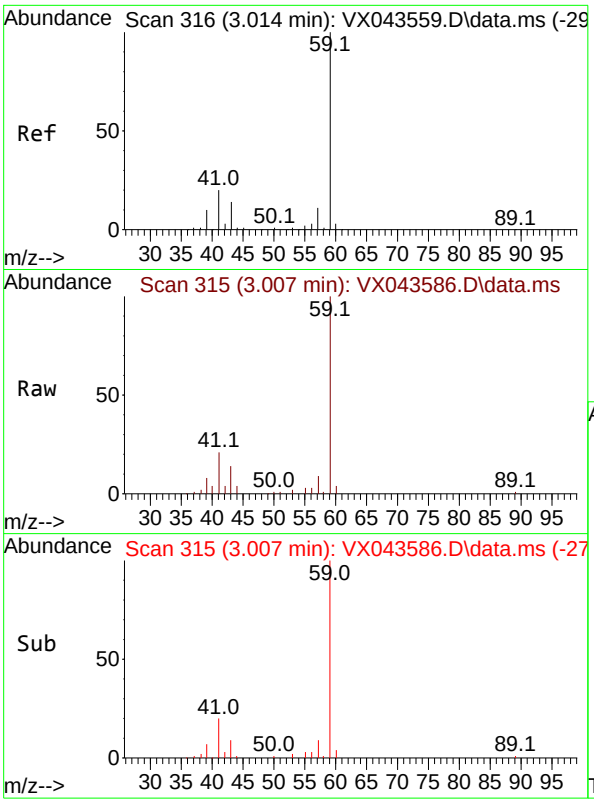


#10
Methyl Iodide
Concen: 18.748 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:142 Resp: 57476

Ion	Ratio	Lower	Upper
142	100		
127	45.5	38.2	57.4
141	14.0	11.5	17.3

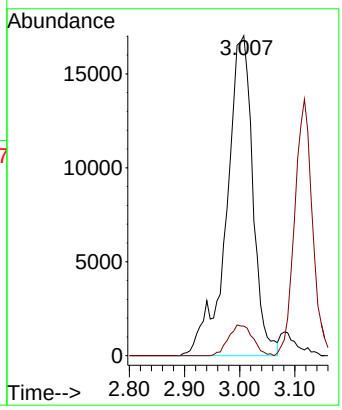




#11
Tert butyl alcohol
Concen: 93.626 ug/l m
RT: 3.007 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 59 Resp: 5640

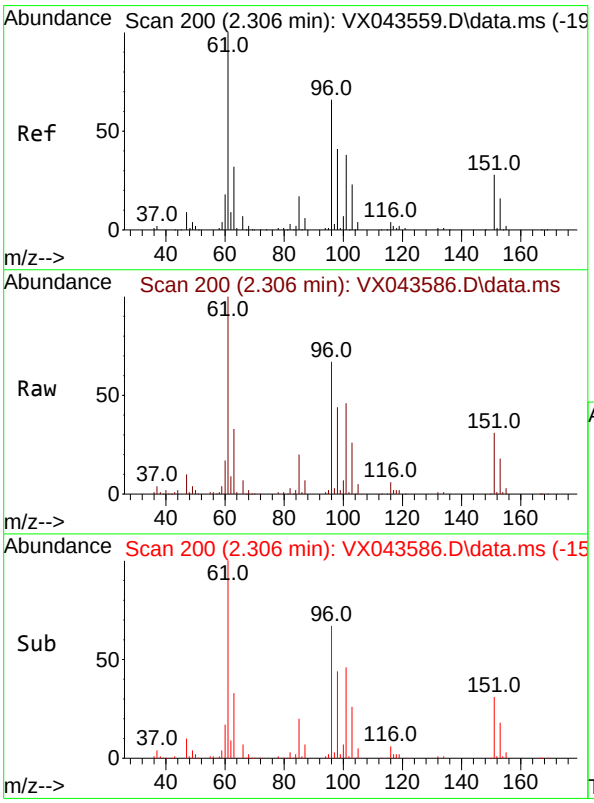
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

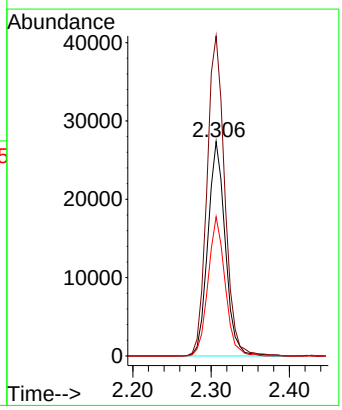
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

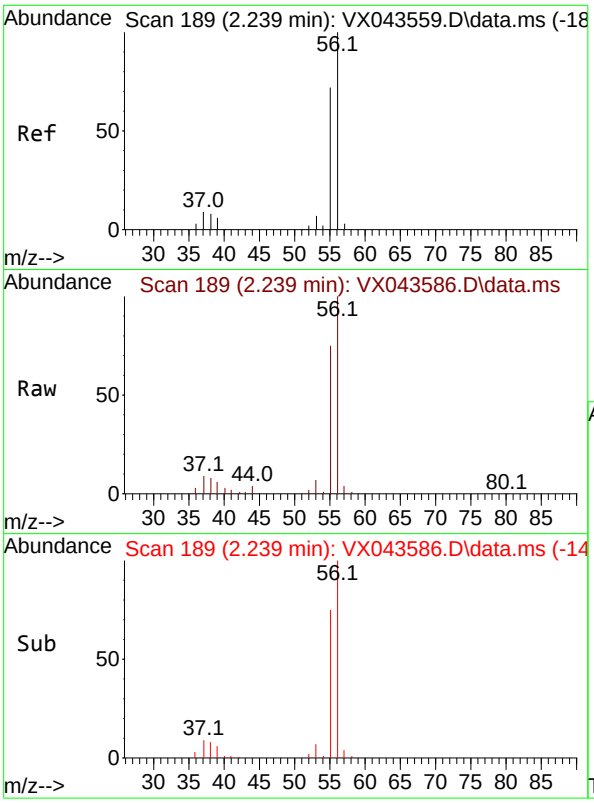


#12
1,1-Dichloroethene
Concen: 19.385 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 96 Resp: 42035

Ion	Ratio	Lower	Upper
96	100		
61	149.2	130.2	195.4
98	64.9	51.0	76.6

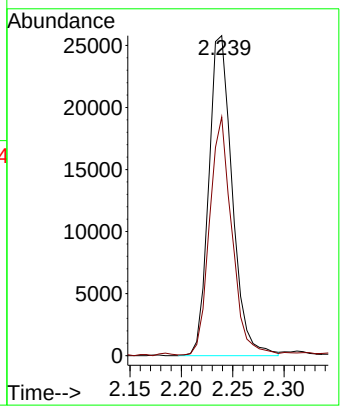




#13
Acrolein
Concen: 86.821 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 56 Resp: 4090

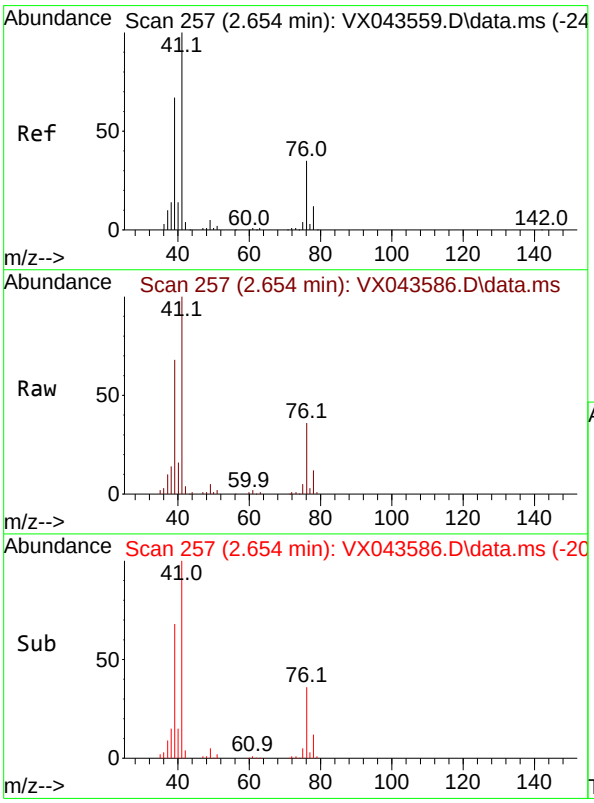
Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

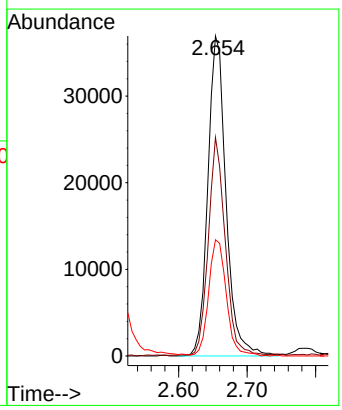
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

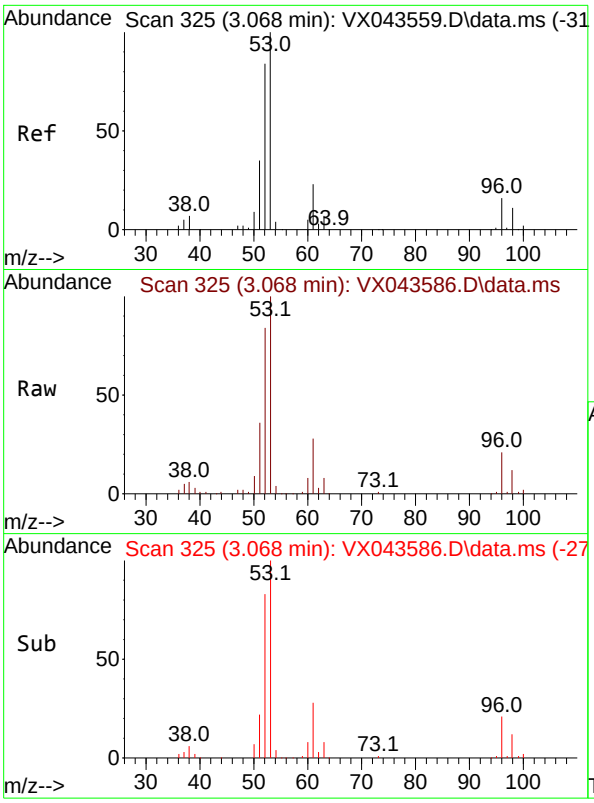


#14
Allyl chloride
Concen: 18.223 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 41 Resp: 68347

Ion	Ratio	Lower	Upper
41	100		
39	63.1	53.2	79.8
76	35.3	27.0	40.6

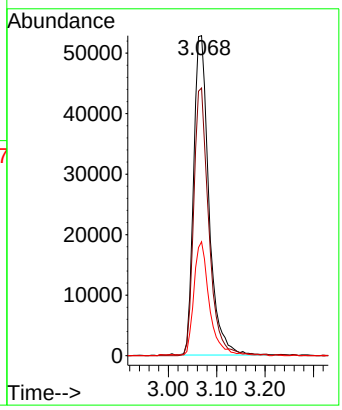




#15
Acrylonitrile
Concen: 85.162 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 53 Resp: 11584

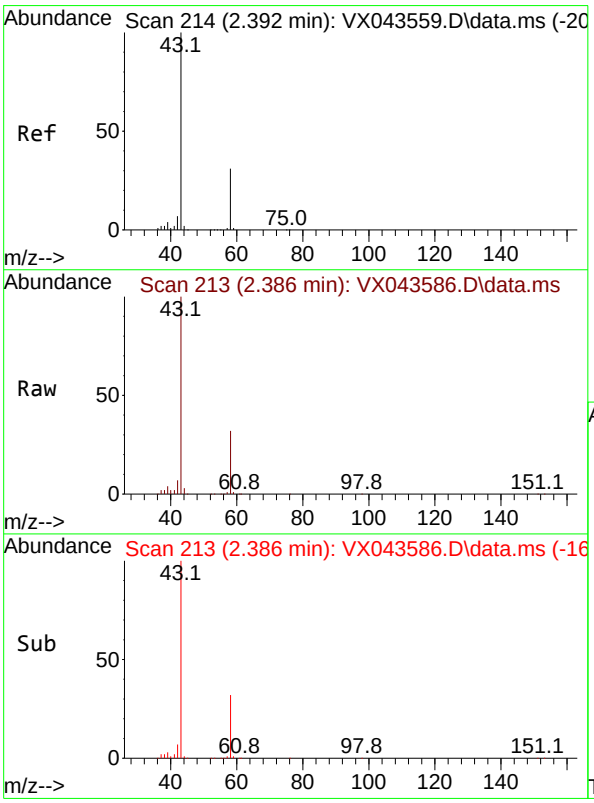
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	36.4	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

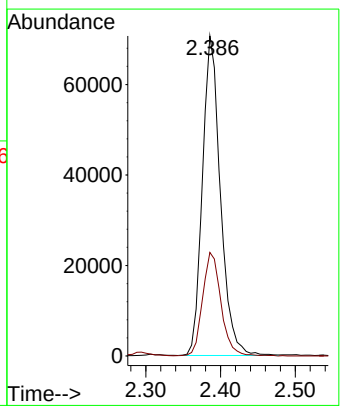
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

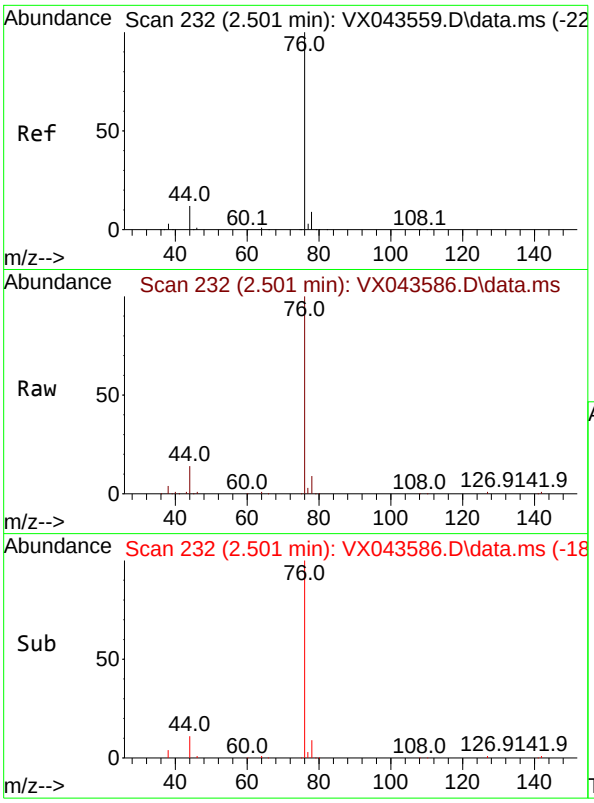


#16
Acetone
Concen: 92.319 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 118332

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.1	37.7





#17
Carbon Disulfide
Concen: 18.170 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

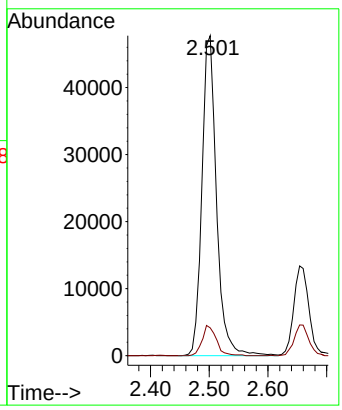
Tgt Ion: 76 Resp: 8238

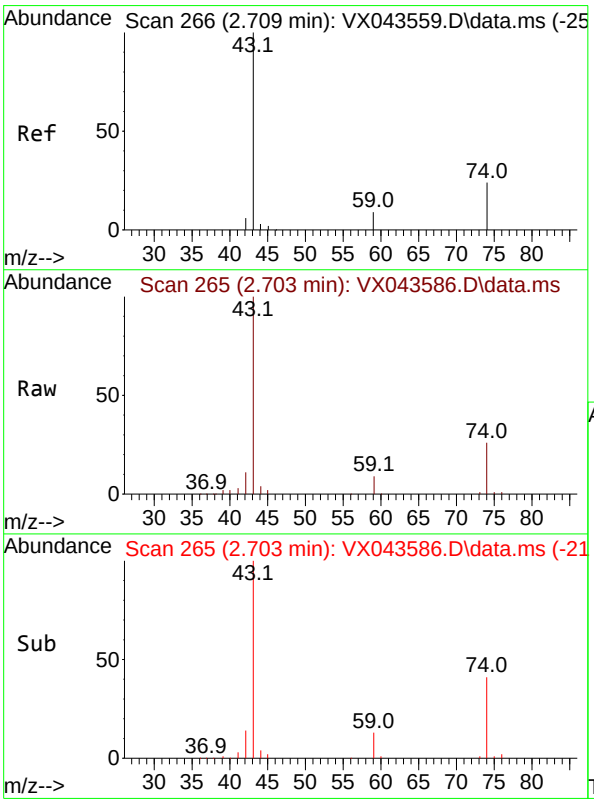
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

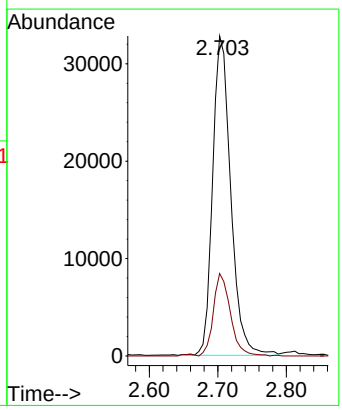


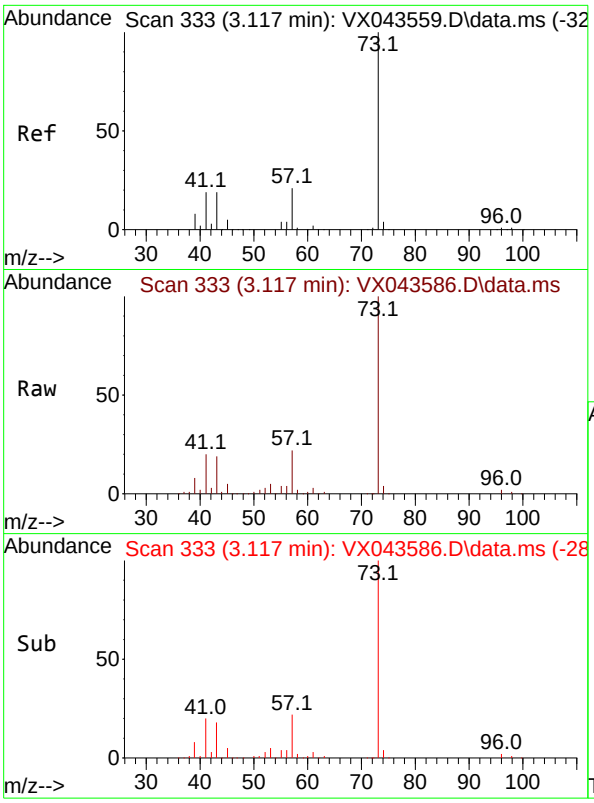


#18
Methyl Acetate
Concen: 16.054 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 60142

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 17.354 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

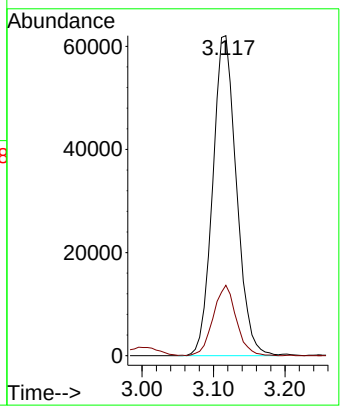
Tgt Ion: 73 Resp: 14310

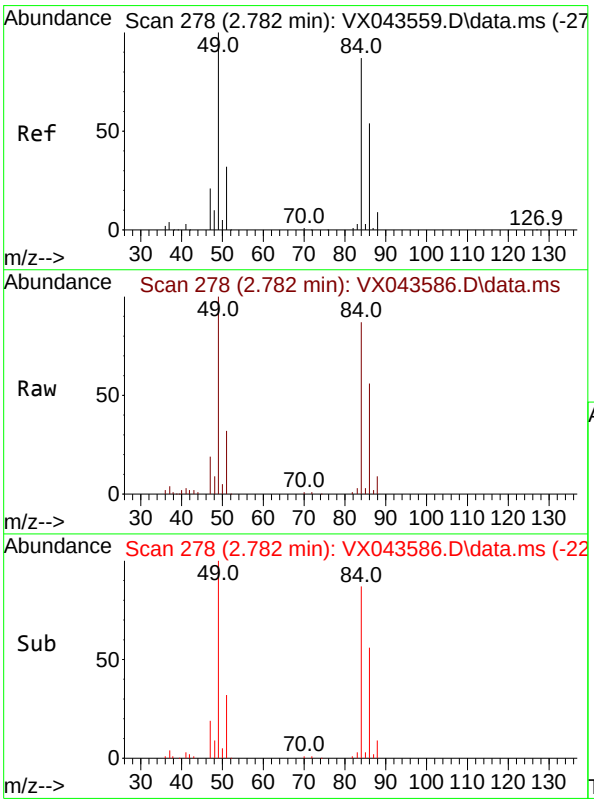
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

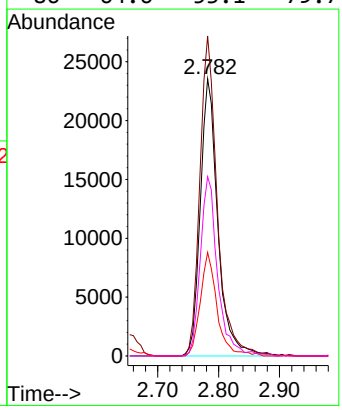


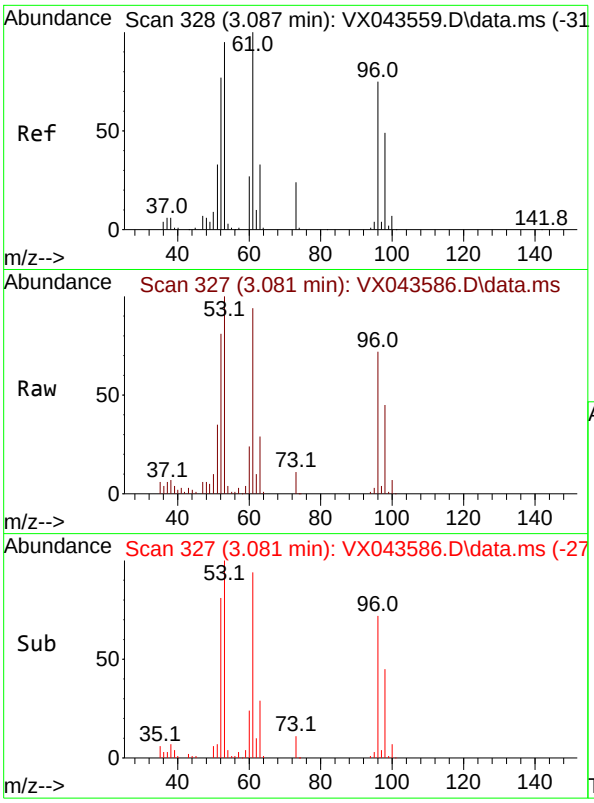


#20
Methylene Chloride
Concen: 17.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 84 Resp: 47149

Ion	Ratio	Lower	Upper
84	100		
49	115.5	97.0	145.6
51	37.4	29.8	44.8
86	64.6	53.1	79.7





#21
trans-1,2-Dichloroethene
Concen: 19.321 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

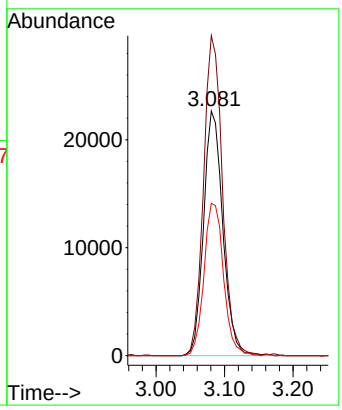
Tgt Ion: 96 Resp: 4426

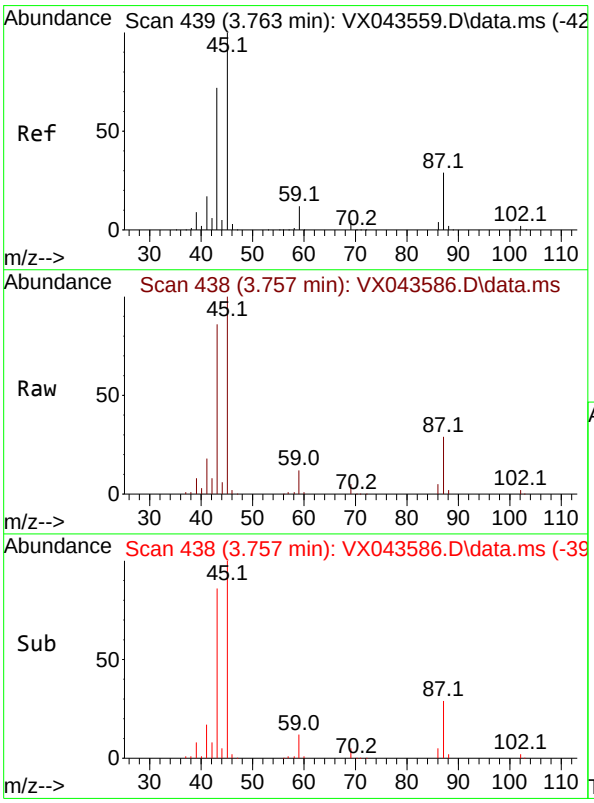
Ion	Ratio	Lower	Upper
96	100		
61	130.8	107.1	160.7
98	62.4	47.7	71.5

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

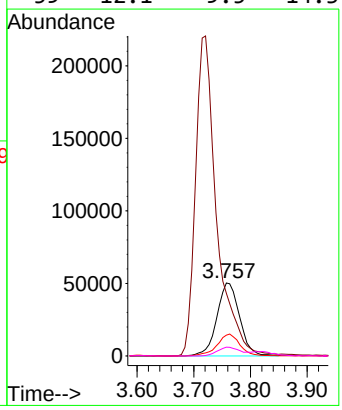


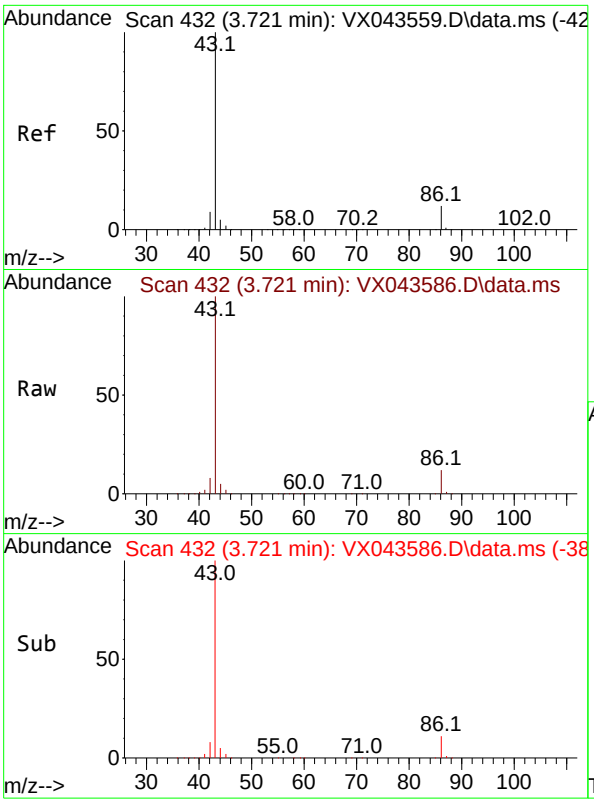


#22
Diisopropyl ether
Concen: 18.024 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 45 Resp: 139725

Ion	Ratio	Lower	Upper
45	100		
43	85.7	60.6	90.8
87	28.5	22.0	33.0
59	12.1	9.5	14.3





#23
Vinyl Acetate
Concen: 89.264 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

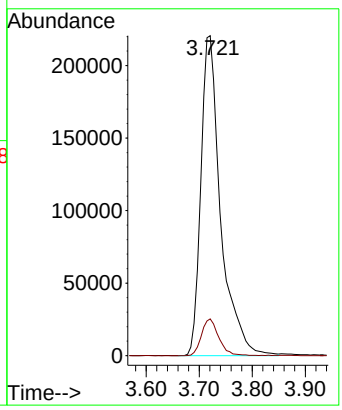
Tgt Ion: 43 Resp: 57169

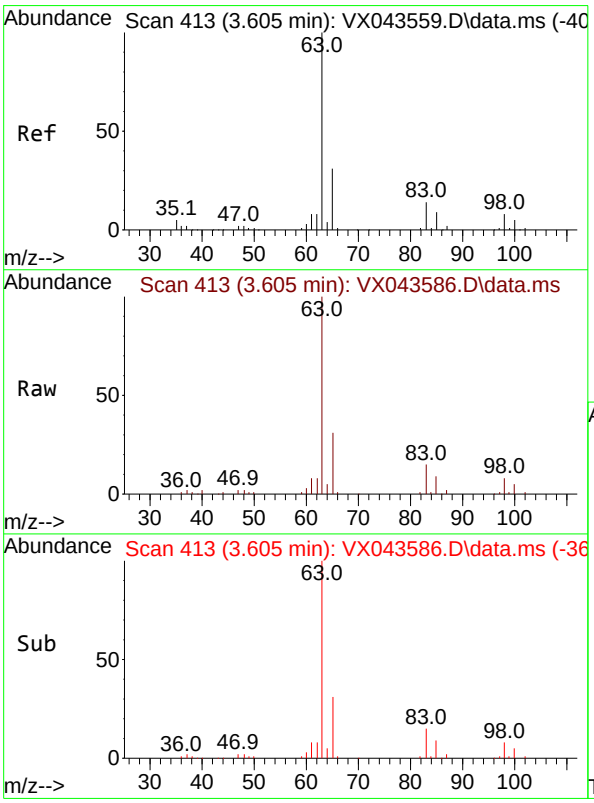
Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

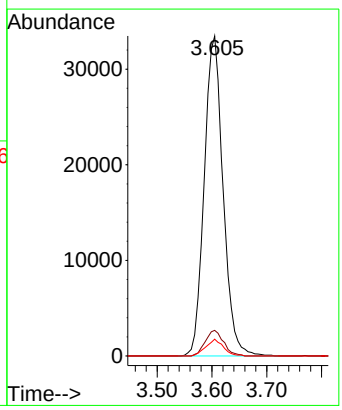


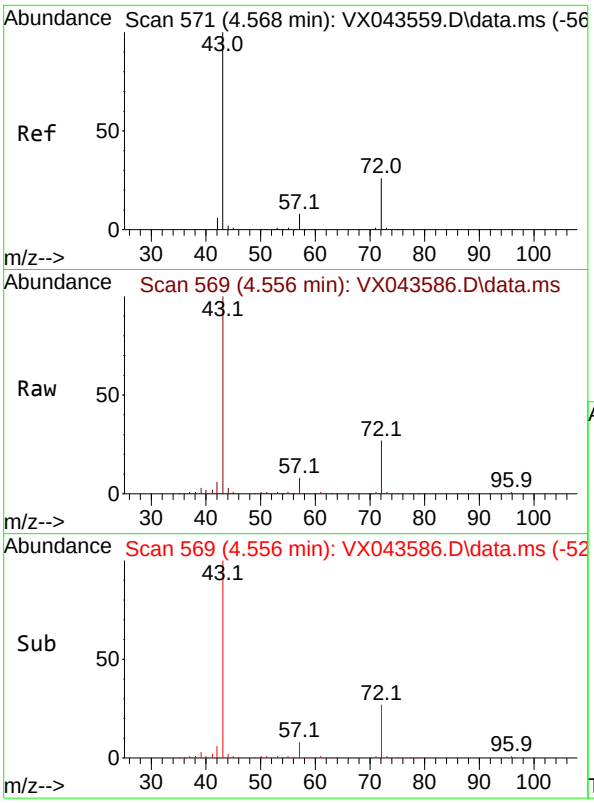


#24
1,1-Dichloroethane
Concen: 17.909 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 63 Resp: 79799

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.4
100	5.2	2.4	7.2

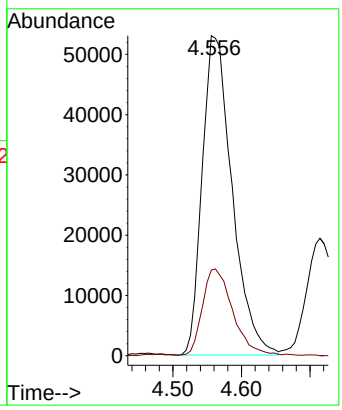




#25
2-Butanone
Concen: 86.062 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 16091

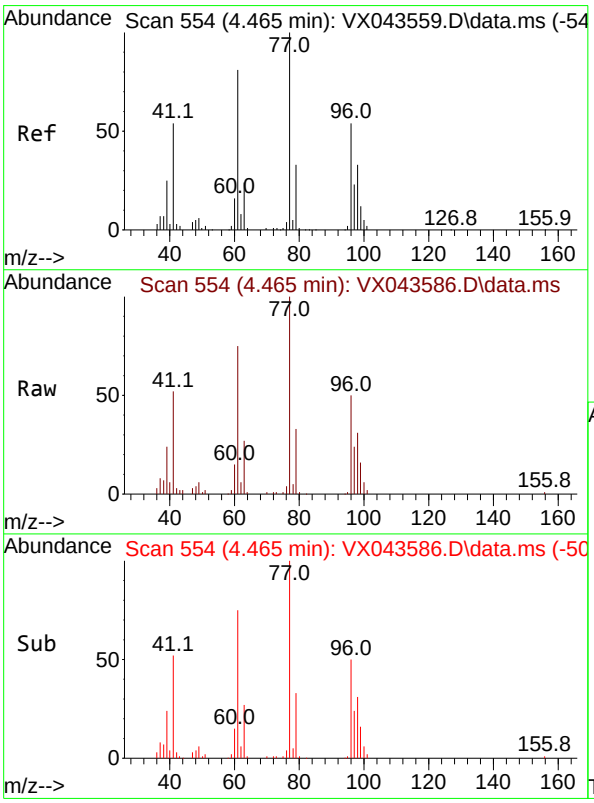
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

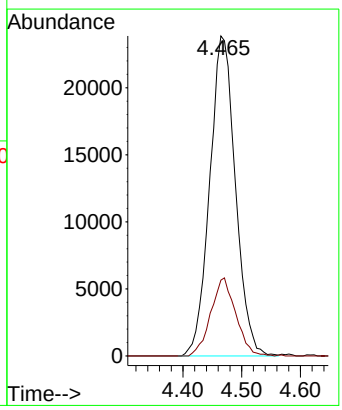
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

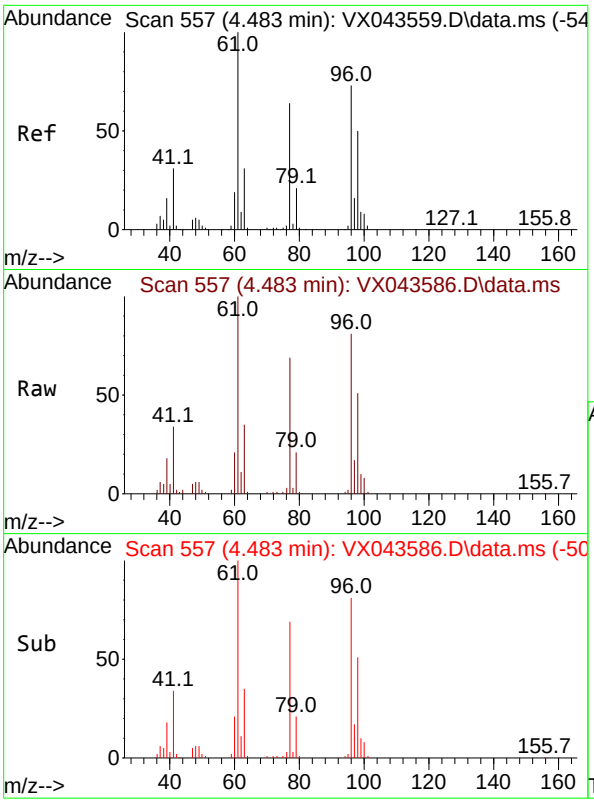


#26
2,2-Dichloropropane
Concen: 19.908 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 77 Resp: 72610

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 18.448 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

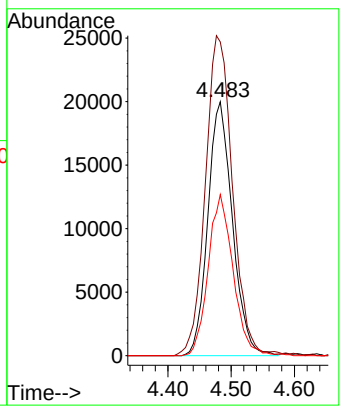
Tgt Ion: 96 Resp: 5398

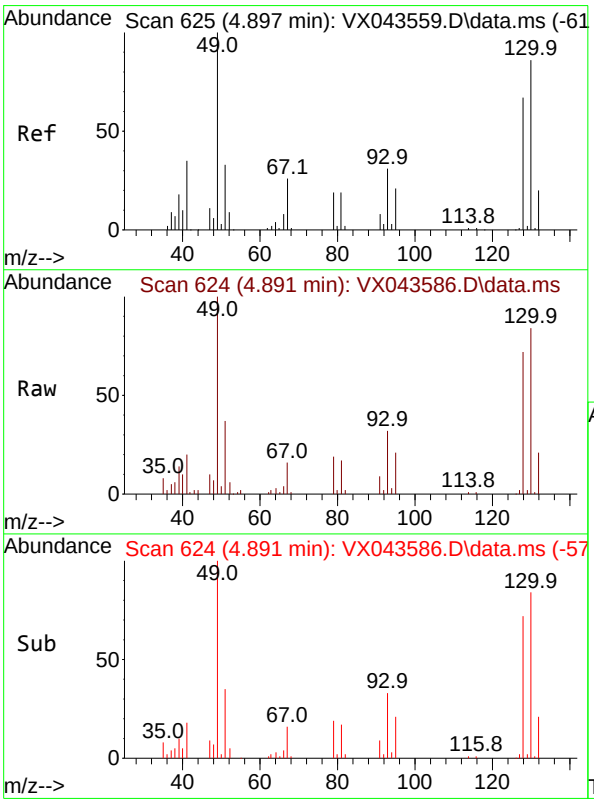
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	277.2
98	64.1	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

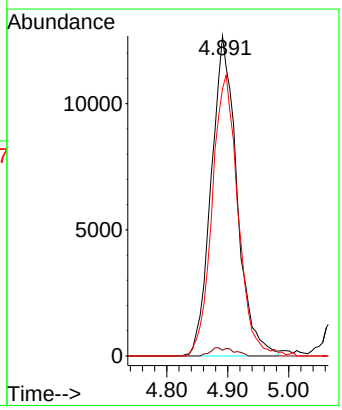


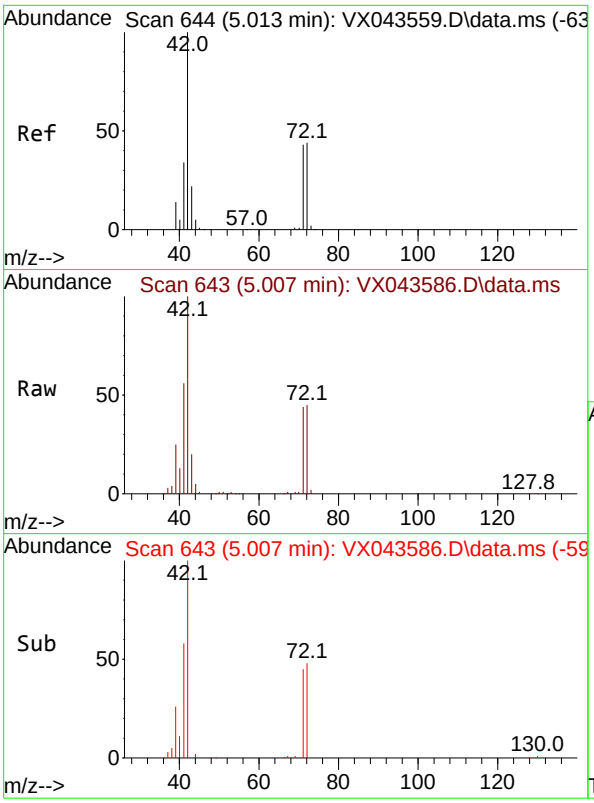


#28
Bromochloromethane
Concen: 17.489 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 49 Resp: 37071

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	88.6	67.8	101.8

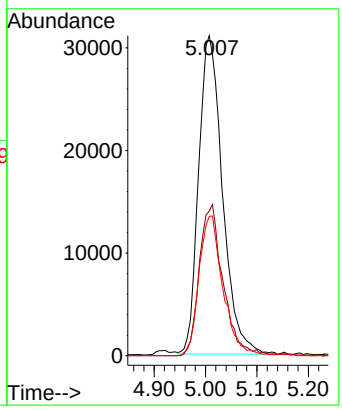




#29
Tetrahydrofuran
Concen: 82.487 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 42 Resp: 10022

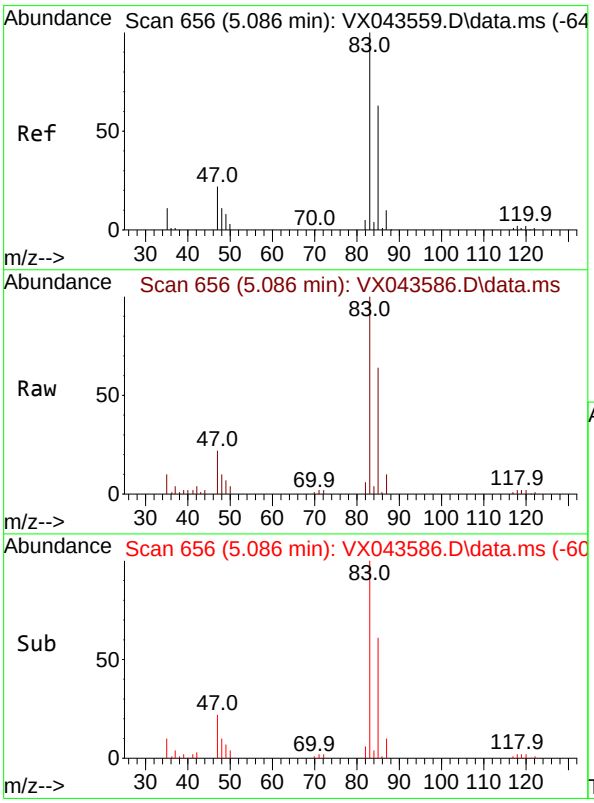
Ion	Ratio	Lower	Upper
42	100		
72	47.2	36.6	55.0
71	43.8	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

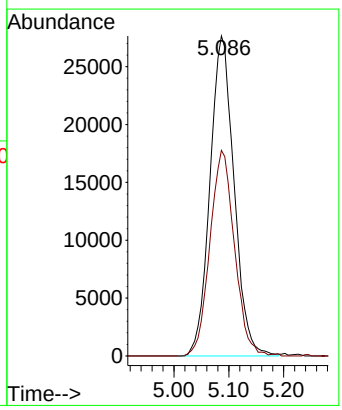
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

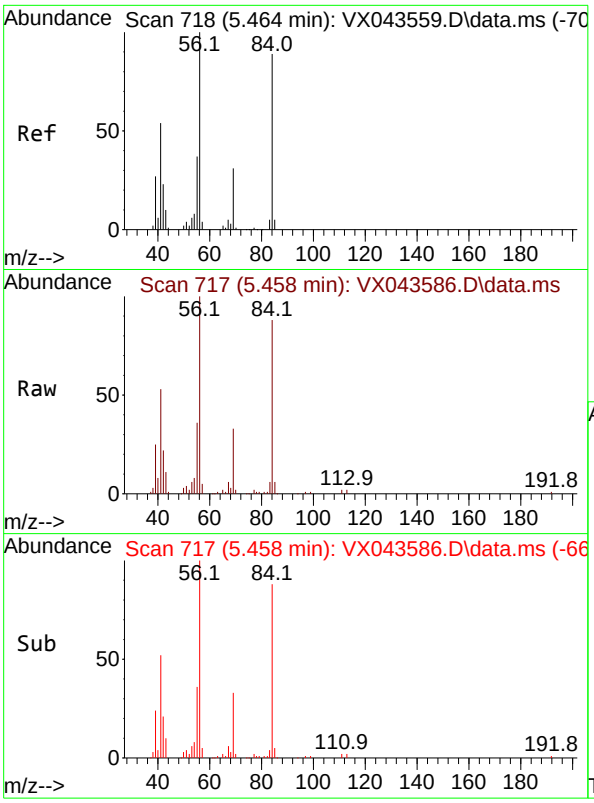


#30
Chloroform
Concen: 18.055 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 83 Resp: 84330

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4

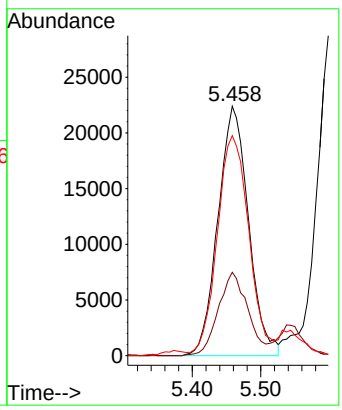




#31
Cyclohexane
Concen: 20.338 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 56 Resp: 6931

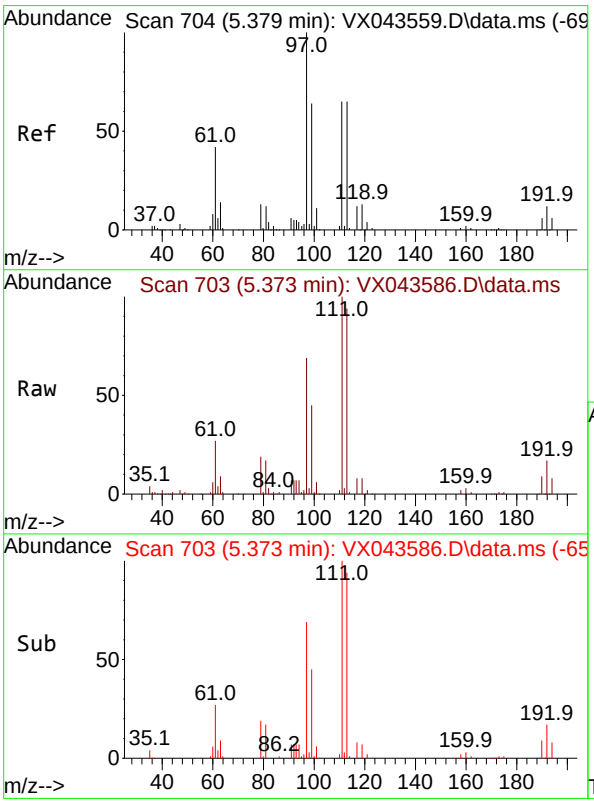
Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.9	37.3
84	86.4	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

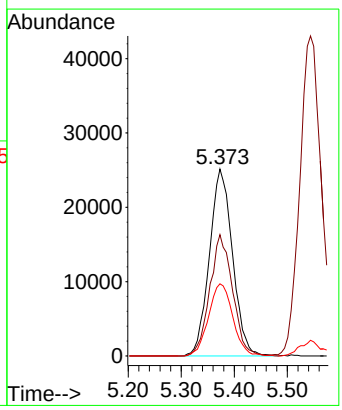
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

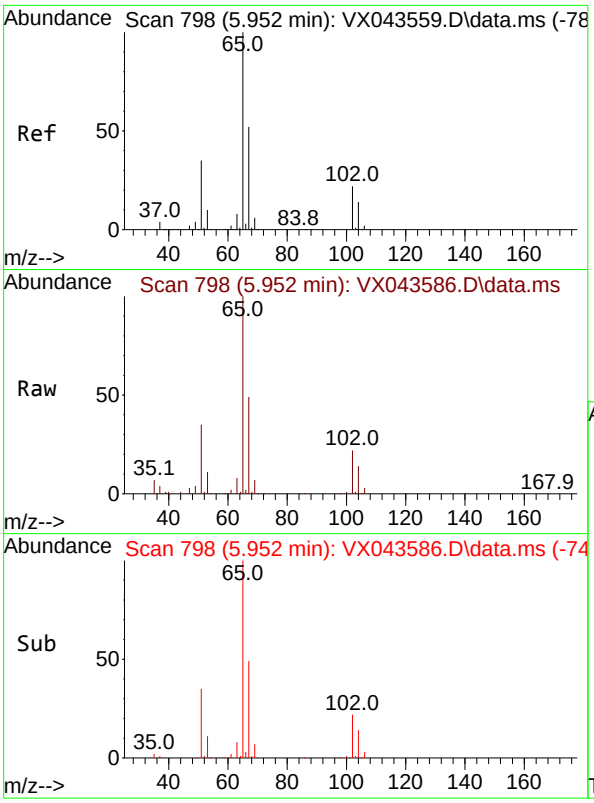


#32
1,1,1-Trichloroethane
Concen: 19.420 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 97 Resp: 76151

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	40.6	34.0	51.0





#33
1,2-Dichloroethane-d4
Concen: 42.105 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

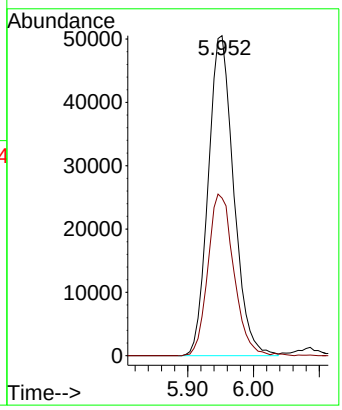
Tgt Ion: 65 Resp: 13590

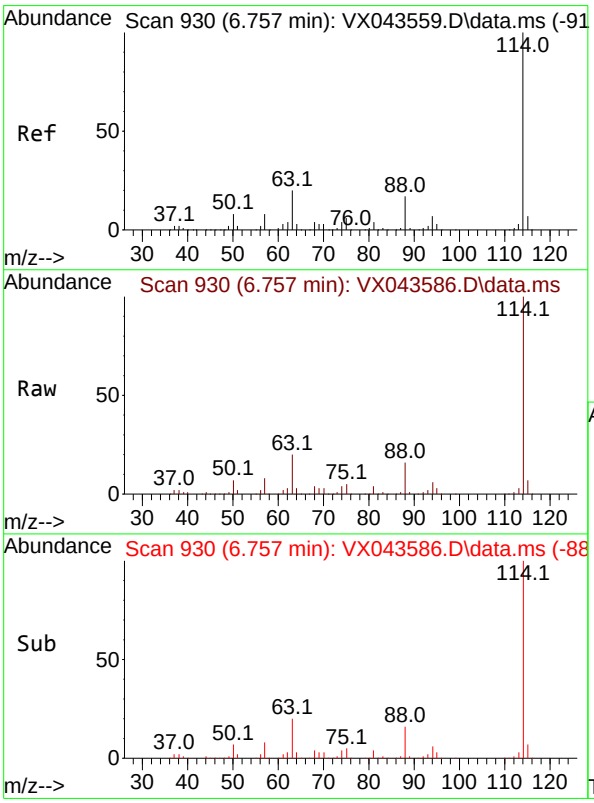
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.4

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

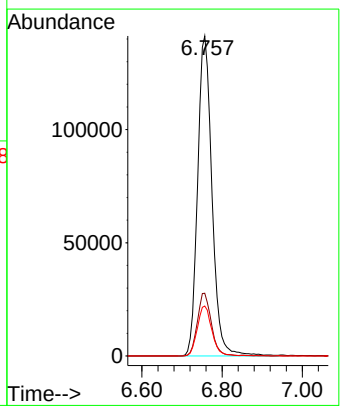


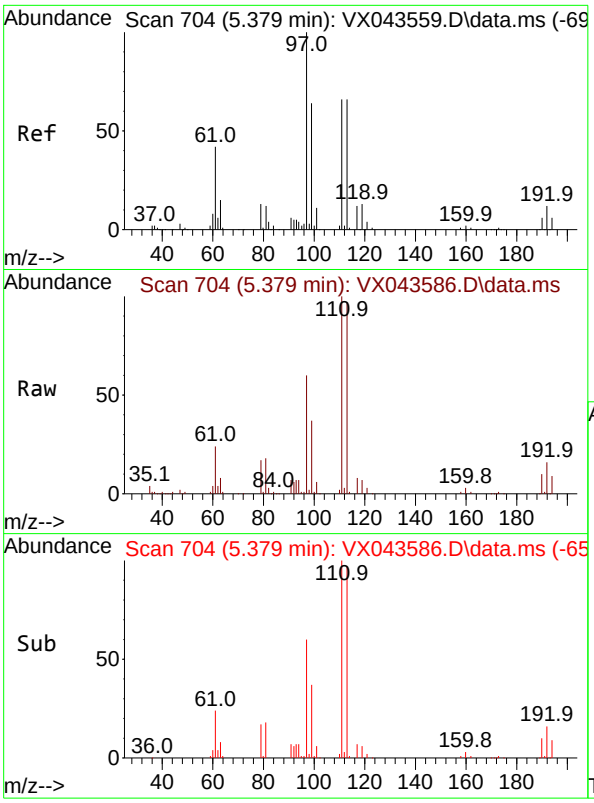


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:114 Resp: 352202

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.2
88	15.6	0.0	34.0

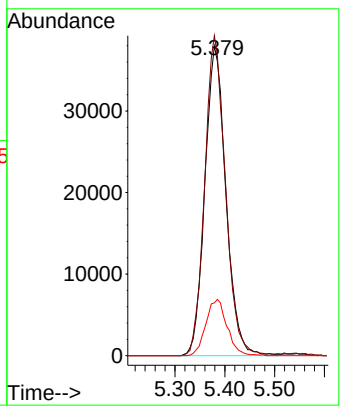




#35
Dibromofluoromethane
Concen: 46.642 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:113 Resp: 11139

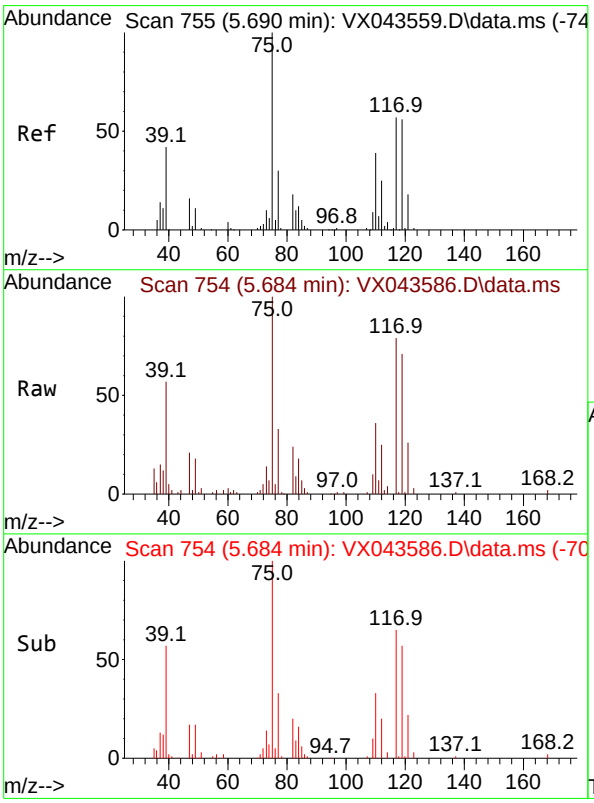
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	18.3	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

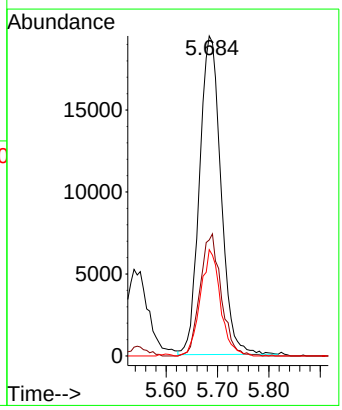
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

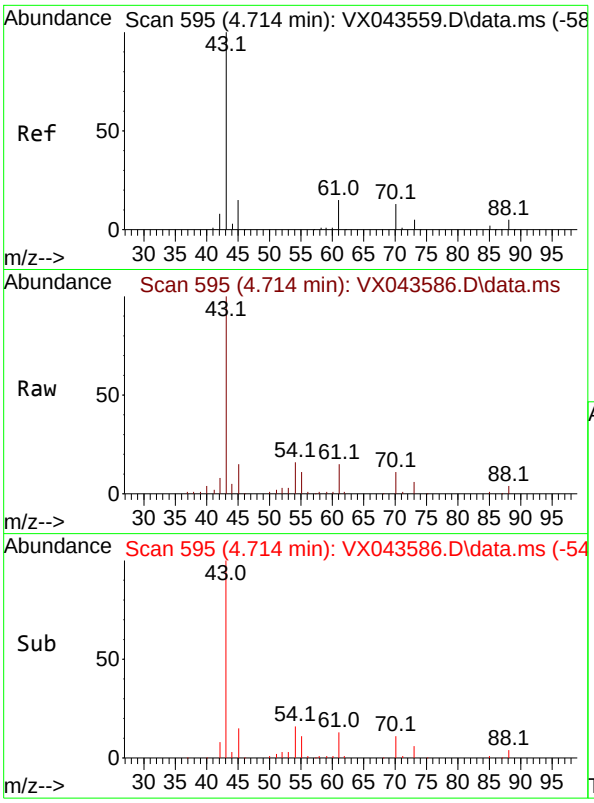


#36
1,1-Dichloropropene
Concen: 19.875 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 56285

Ion	Ratio	Lower	Upper
75	100		
110	37.7	17.9	53.7
77	31.3	25.0	37.4





#37
Ethyl Acetate
Concen: 17.501 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

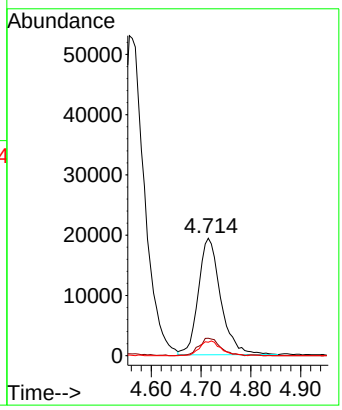
Tgt Ion: 43 Resp: 6017

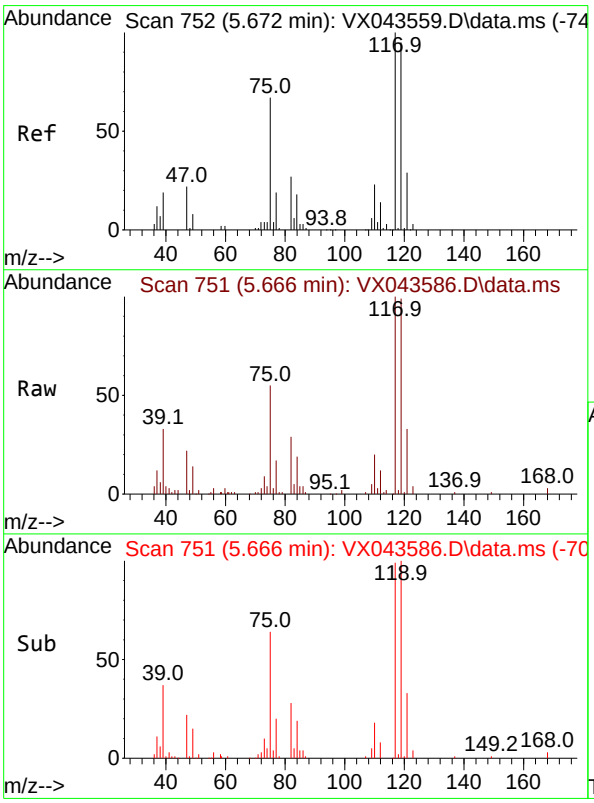
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	12.0	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

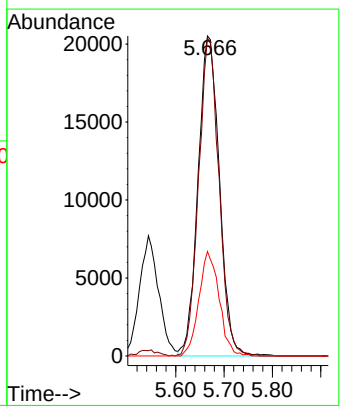


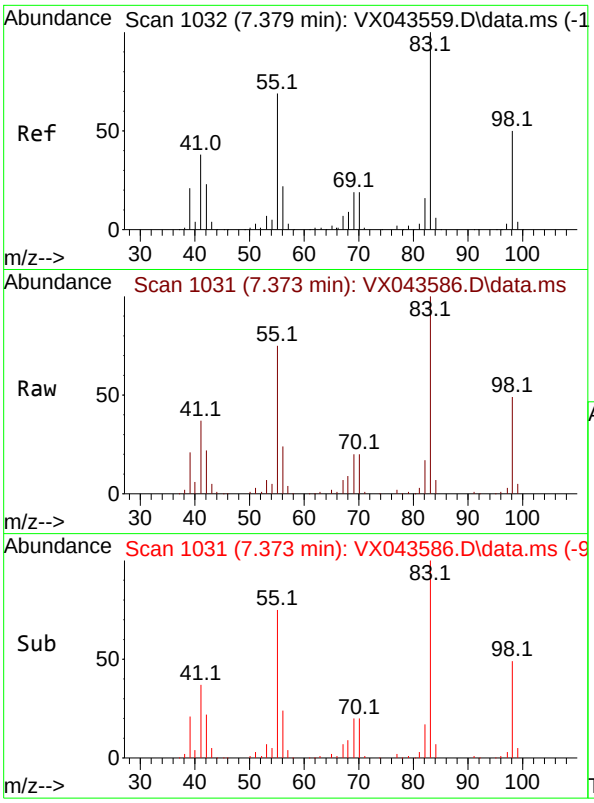


#38
Carbon Tetrachloride
Concen: 20.104 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:117 Resp: 62906

Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.0	115.6
121	32.7	24.7	37.1





#39
Methylcyclohexane
Concen: 21.340 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

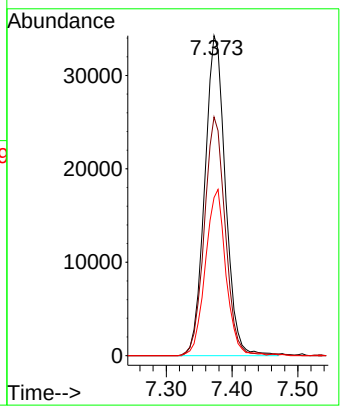
Tgt Ion: 83 Resp: 7503

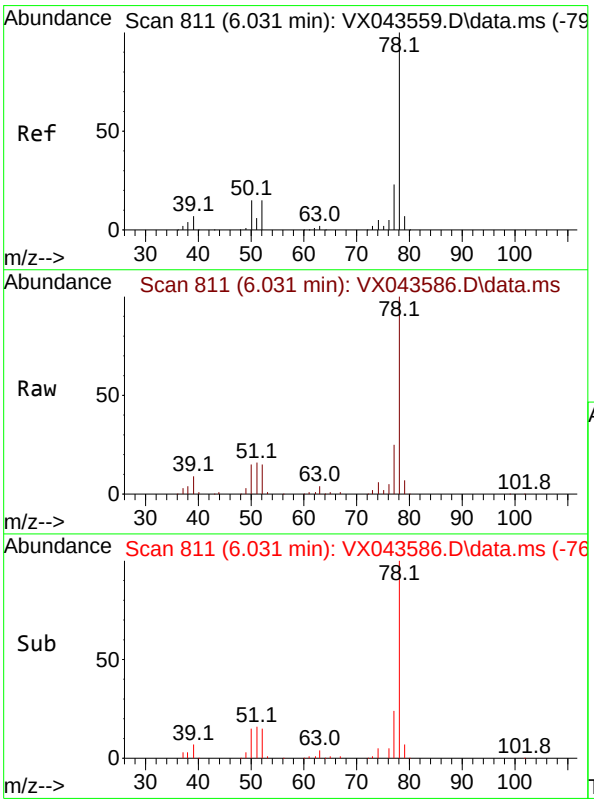
Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.9	89.9
98	49.4	41.3	61.9

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

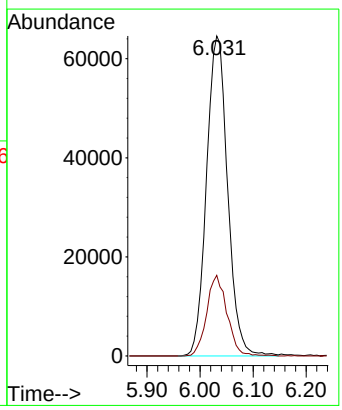


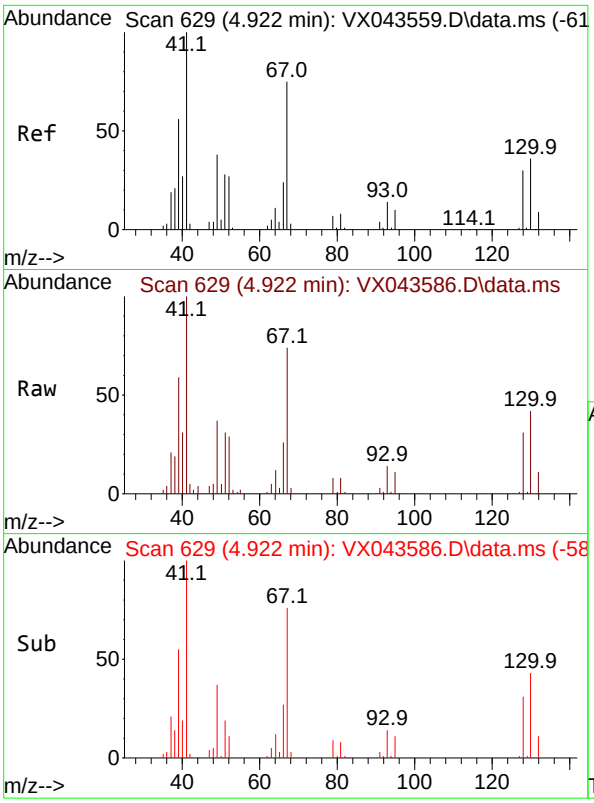


#40
Benzene
Concen: 18.917 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 78 Resp: 178716

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.4	27.6

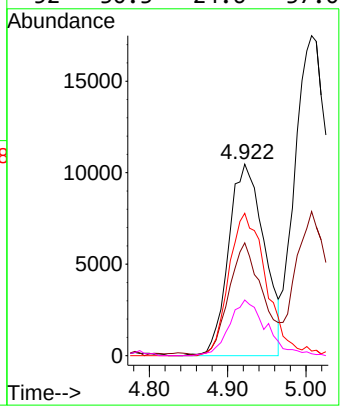




#41
Methacrylonitrile
Concen: 18.374 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 41 Resp: 3315

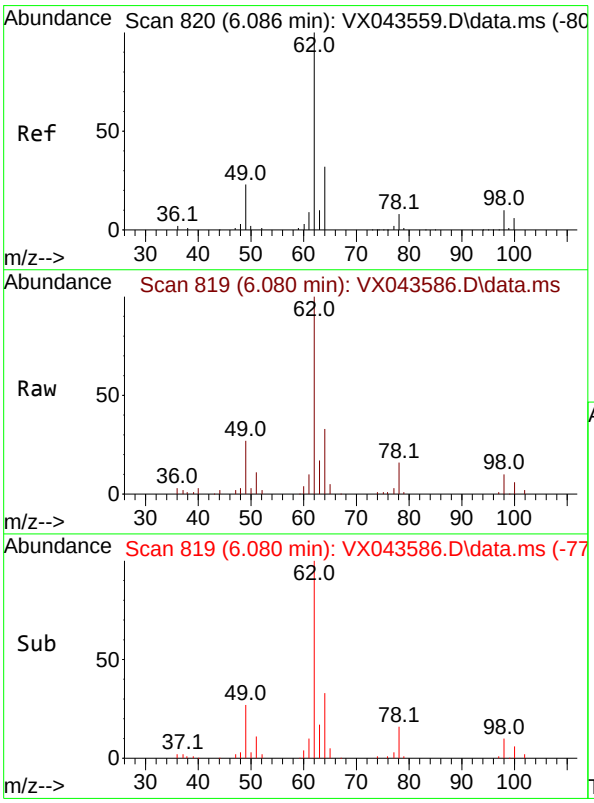
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.5	65.3
67	77.0	58.3	87.5
52	30.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

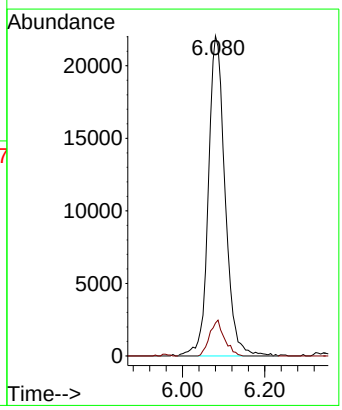
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

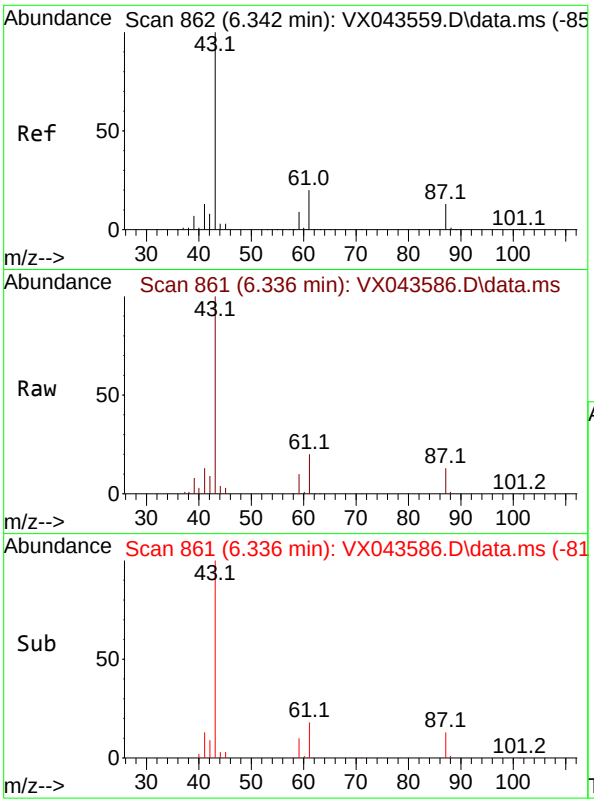


#42
1,2-Dichloroethane
Concen: 18.332 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 62 Resp: 62263

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.8





#43
Isopropyl Acetate
Concen: 17.607 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

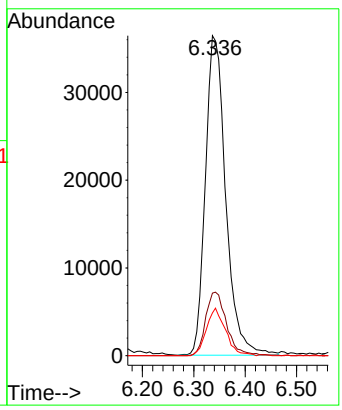
Tgt Ion: 43 Resp: 10011

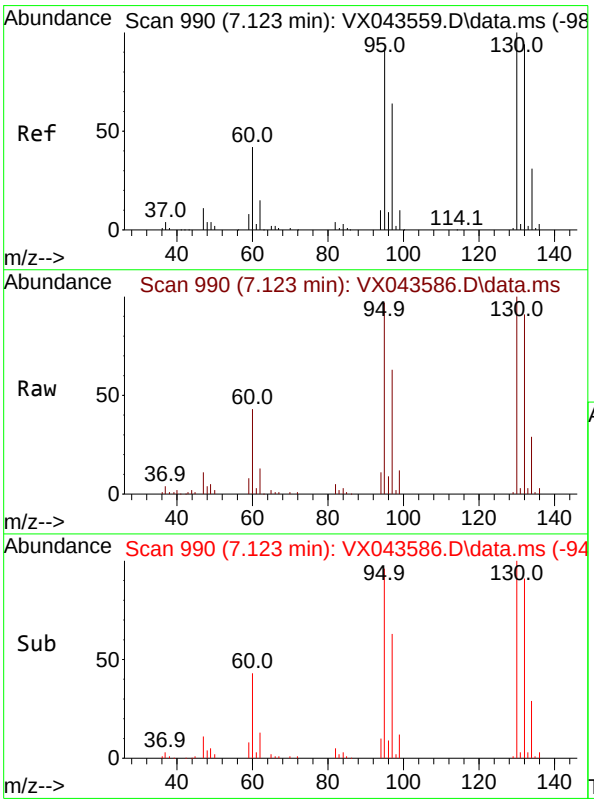
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.4
87	14.0	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

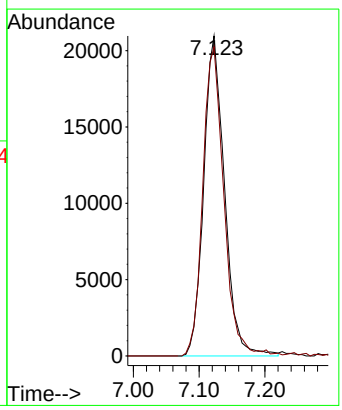


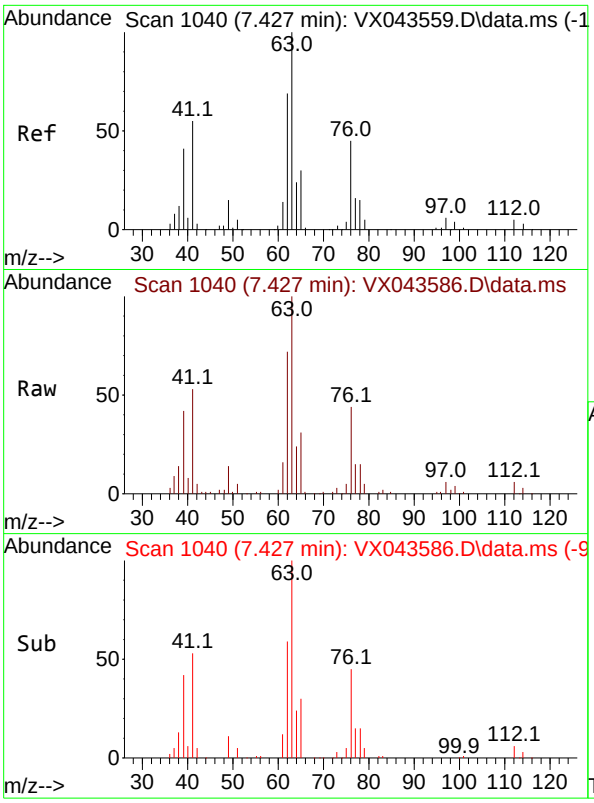


#44
Trichloroethene
Concen: 19.649 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:130 Resp: 46116

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	202.6

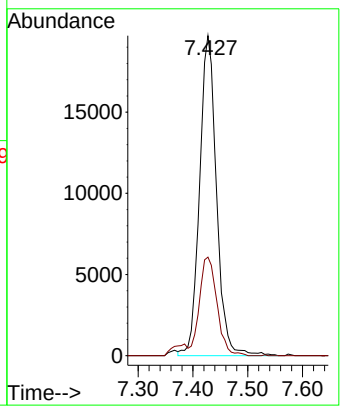




#45
1,2-Dichloropropane
Concen: 18.174 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 63 Resp: 4227

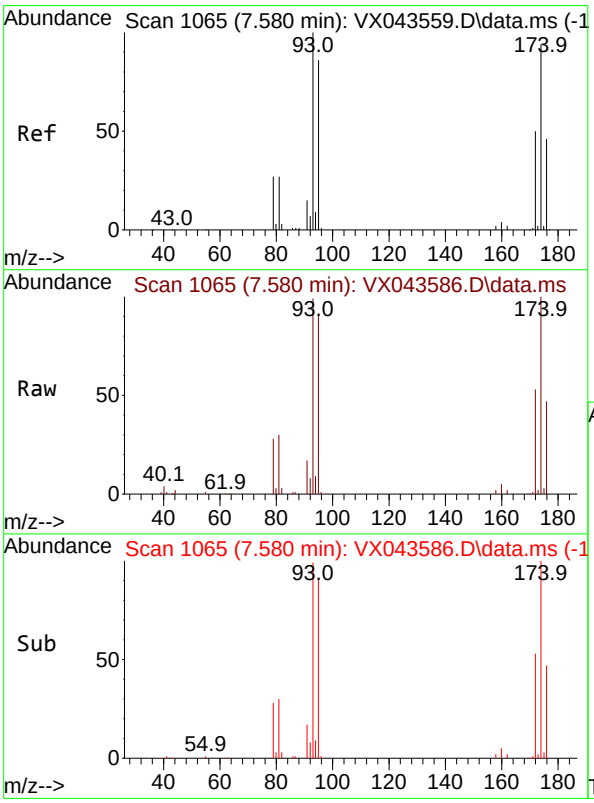
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

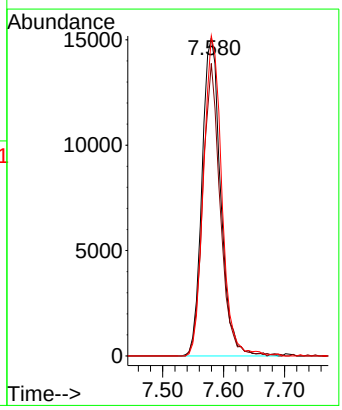
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

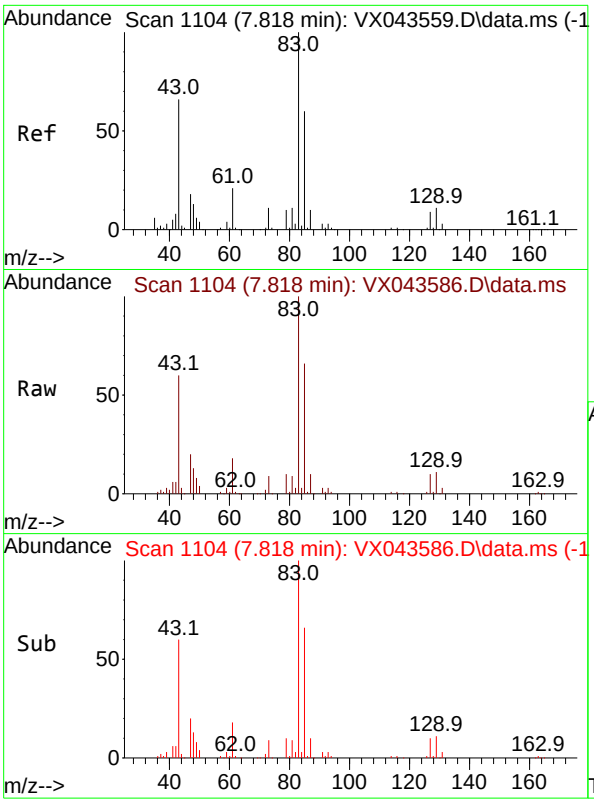


#46
Dibromomethane
Concen: 17.910 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 93 Resp: 32080

Ion	Ratio	Lower	Upper
93	100		
95	85.9	66.4	99.6
174	98.8	75.0	112.4





#47
Bromodichloromethane
Concen: 18.310 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

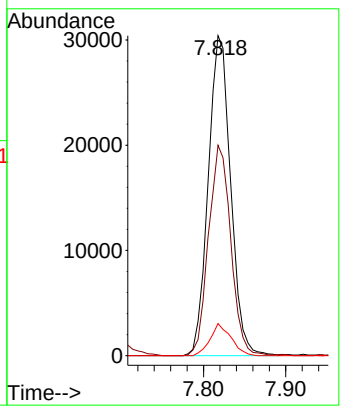
Tgt Ion: 83 Resp: 5753

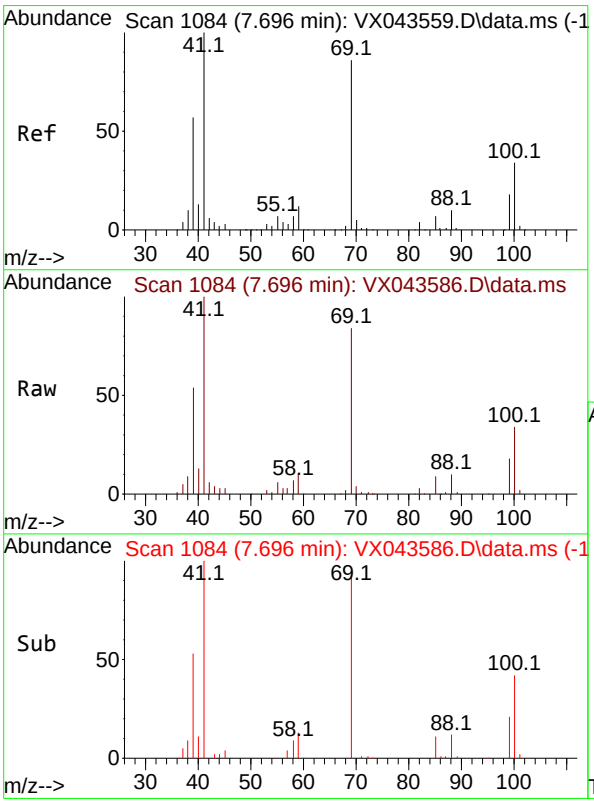
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4
127	10.0	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

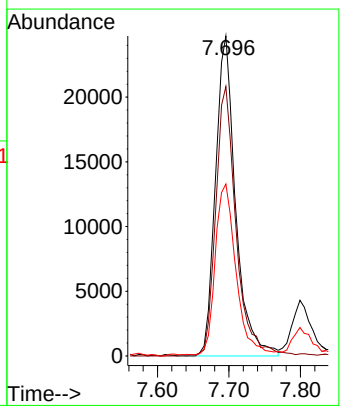


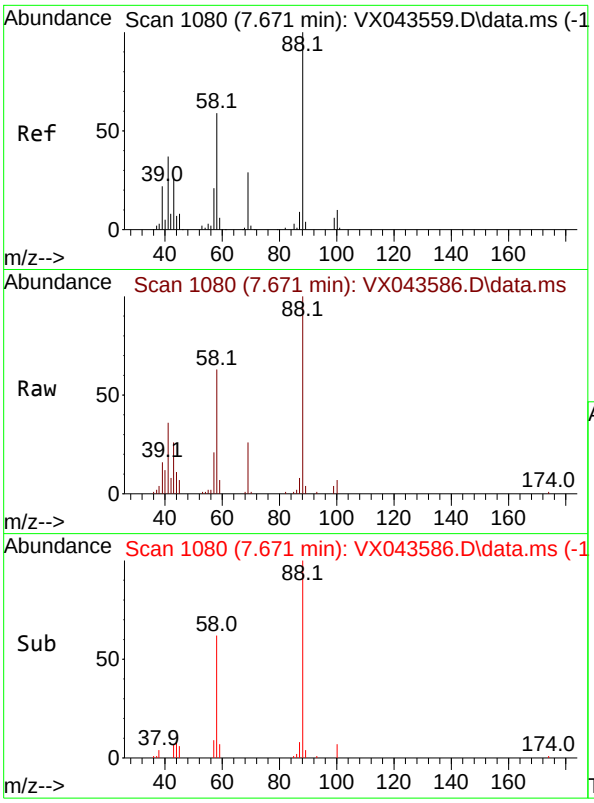


#48
Methyl methacrylate
Concen: 17.927 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 41 Resp: 48326

Ion	Ratio	Lower	Upper
41	100		
69	85.0	67.7	101.5
39	54.6	46.3	69.5





#49
1,4-Dioxane
Concen: 417.634 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

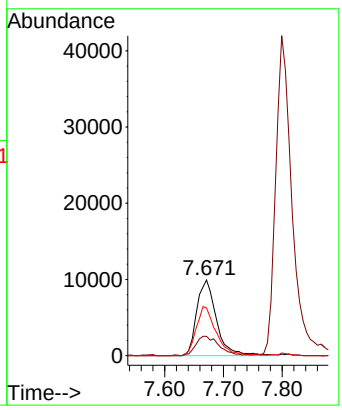
Tgt Ion: 88 Resp: 2313

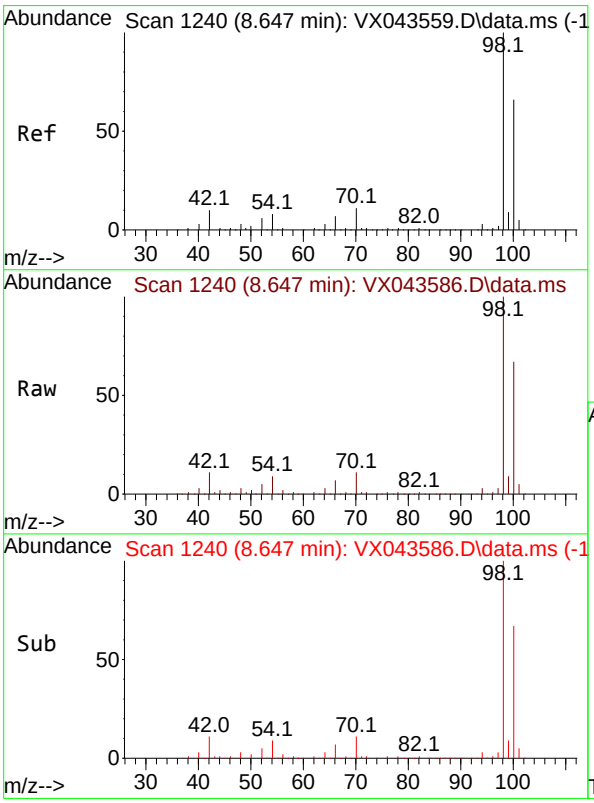
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	64.9	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

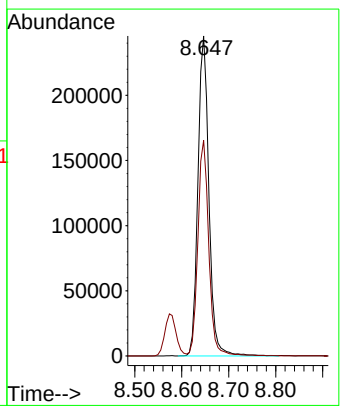


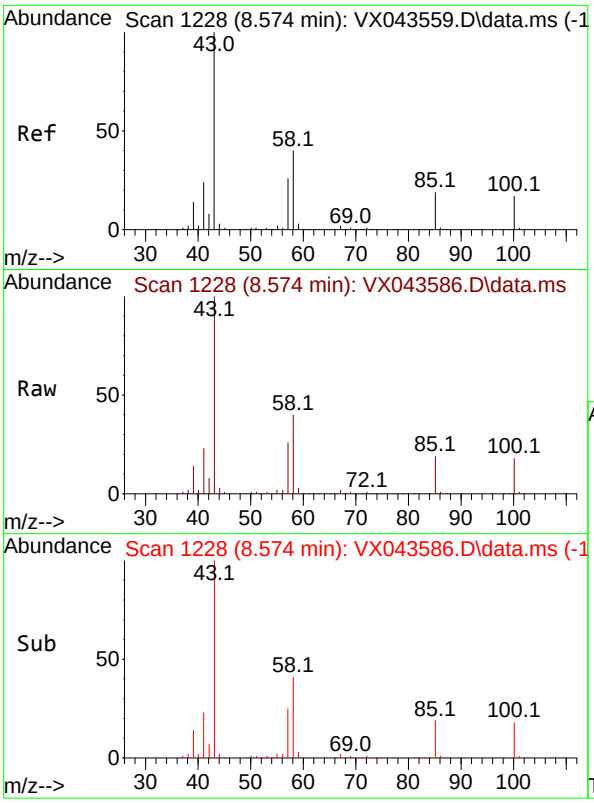


#50
Toluene-d8
Concen: 48.283 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 98 Resp: 399169

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2

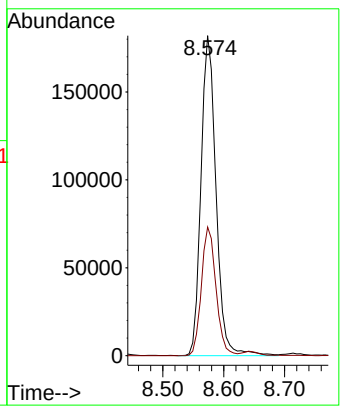




#51
4-Methyl-2-Pentanone
Concen: 90.192 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 31255

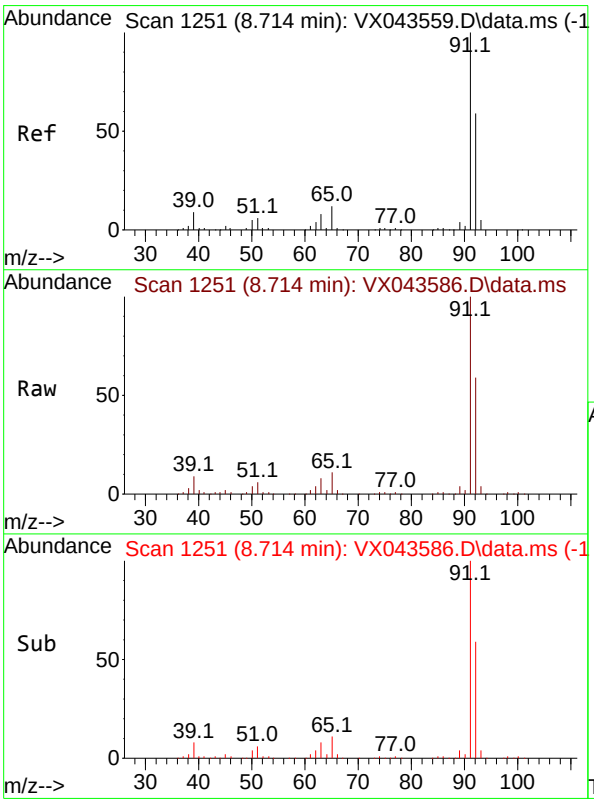
Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.7	47.5



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

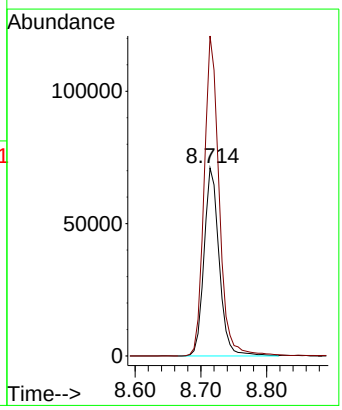
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

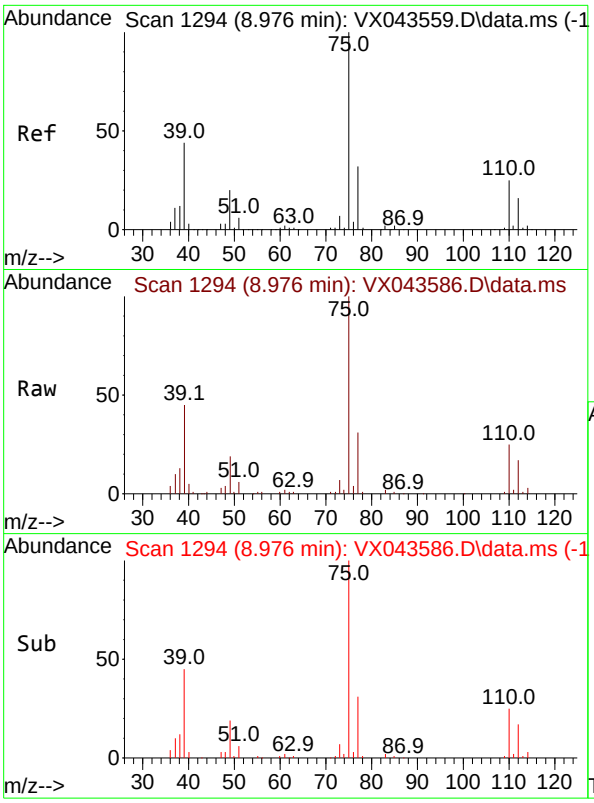


#52
Toluene
Concen: 19.871 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 92 Resp: 113851

Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.7	203.5

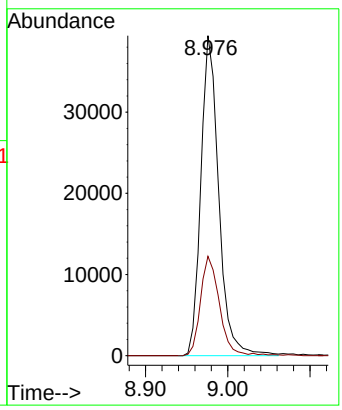




#53
t-1,3-Dichloropropene
Concen: 17.650 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 5956

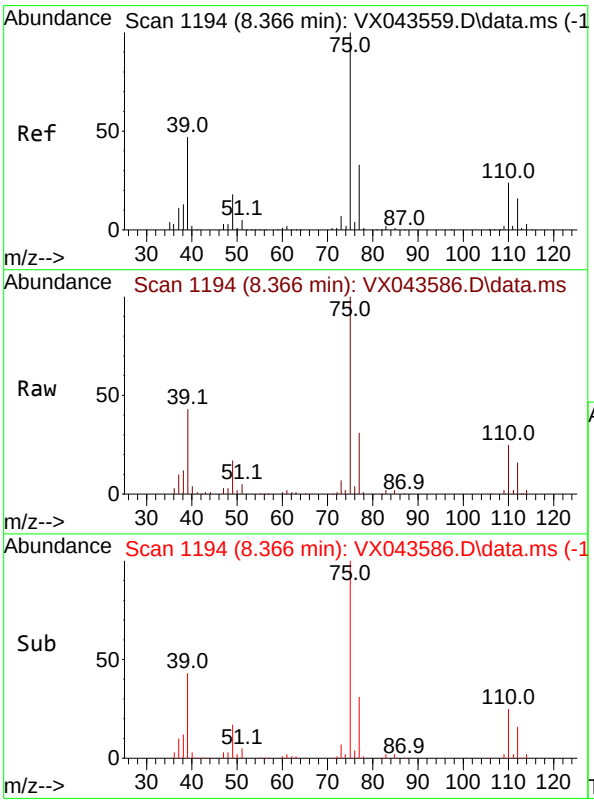
Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

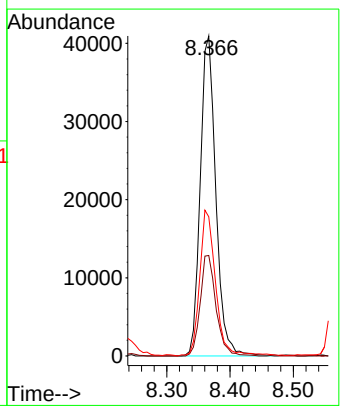
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

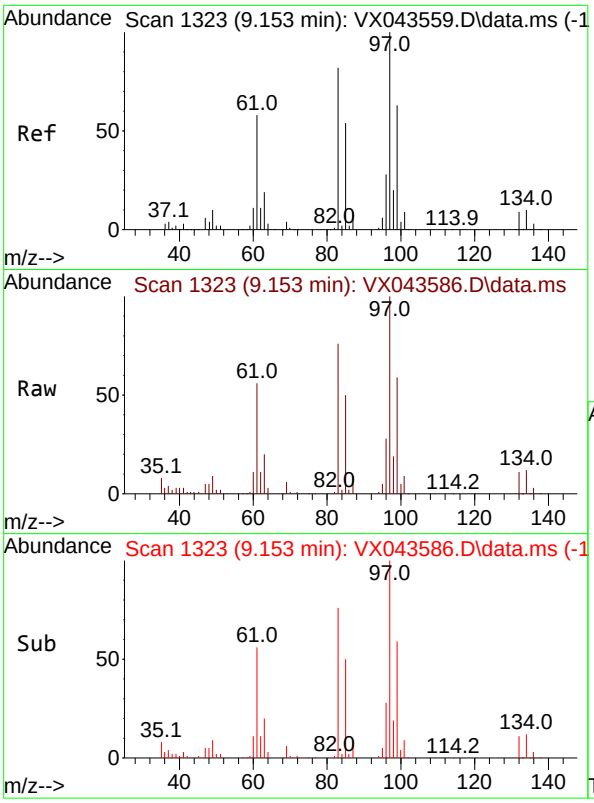


#54
cis-1,3-Dichloropropene
Concen: 19.517 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 70181

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	43.5	37.7	56.5

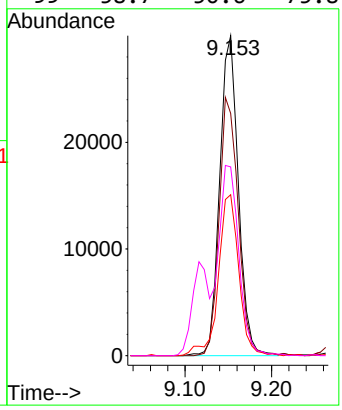




#55
1,1,2-Trichloroethane
Concen: 18.797 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 97 Resp: 4482

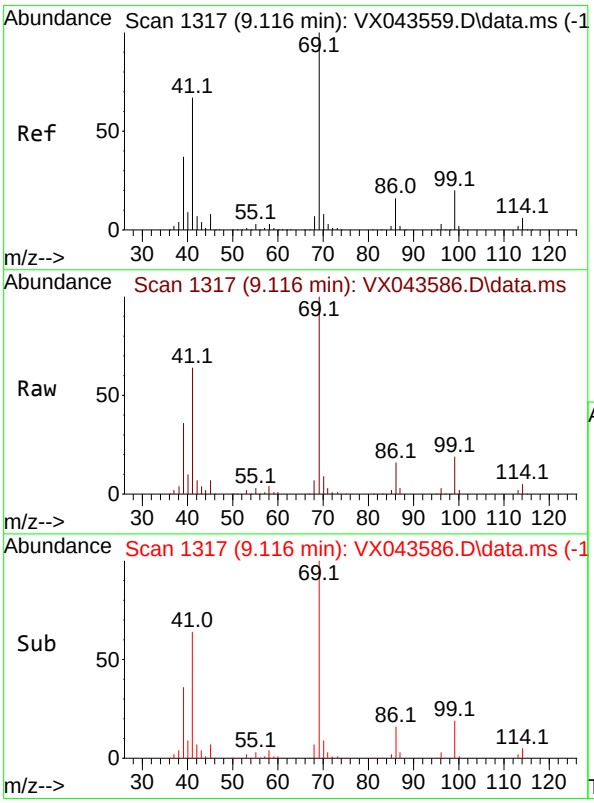
Ion	Ratio	Lower	Upper
97	100		
83	75.7	67.3	100.9
85	50.3	43.6	65.4
99	58.7	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

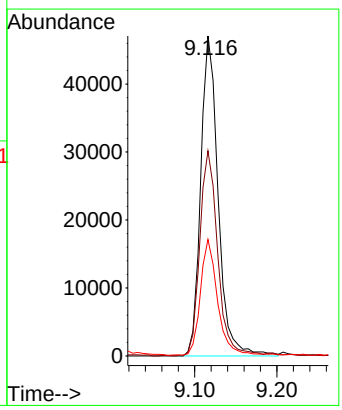
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

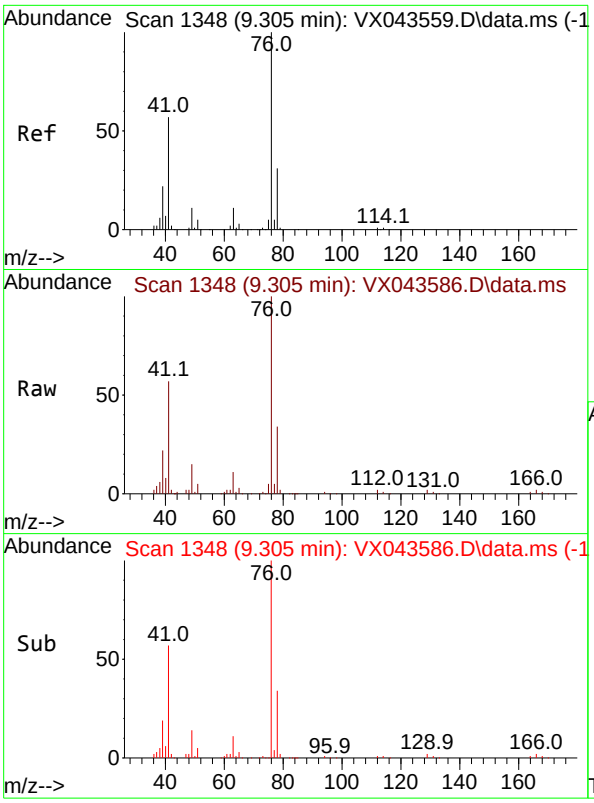


#56
Ethyl methacrylate
Concen: 17.934 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 69 Resp: 69497

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.8	80.8
39	35.5	29.9	44.9

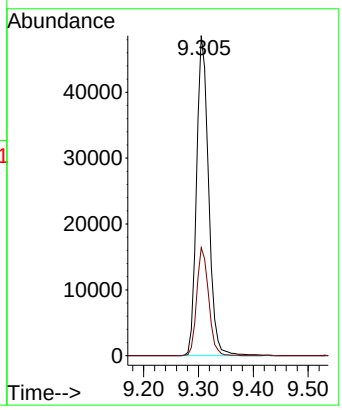




#57
1,3-Dichloropropane
Concen: 18.757 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 76 Resp: 7440

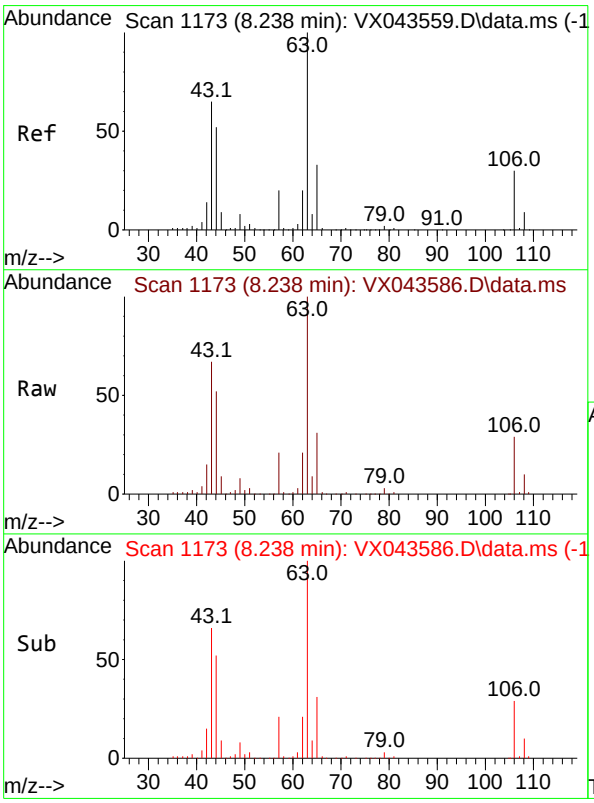
Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

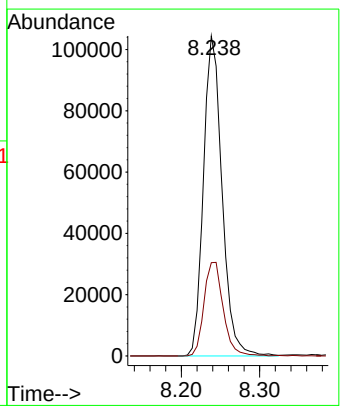
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

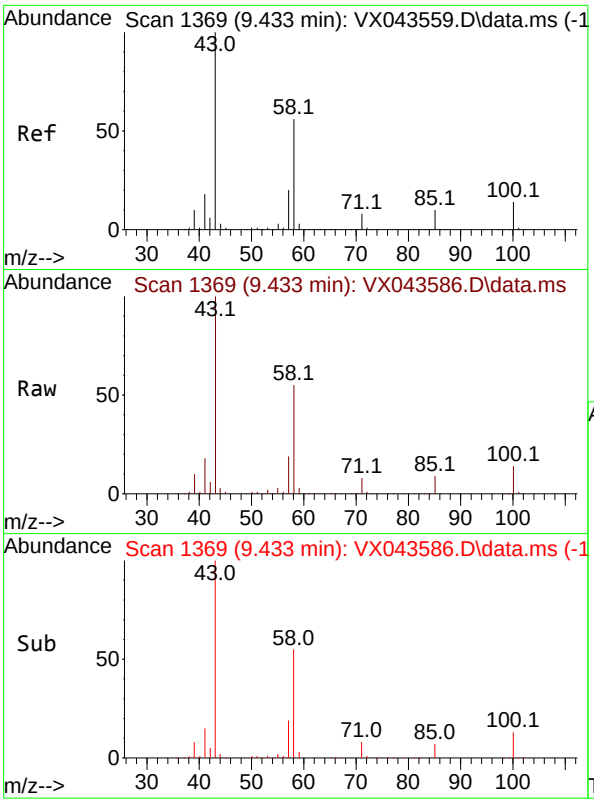


#58
2-Chloroethyl Vinyl ether
Concen: 91.703 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 63 Resp: 172110

Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.6	35.4





#59
2-Hexanone
Concen: 91.242 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

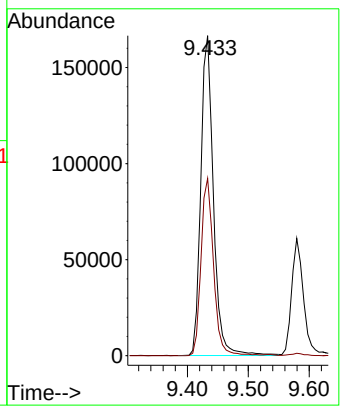
Tgt Ion: 43 Resp: 24015

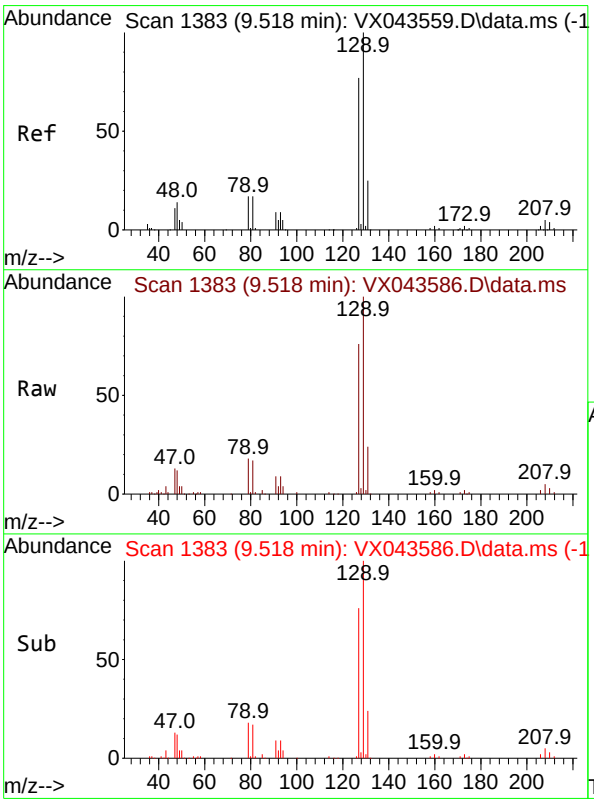
Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

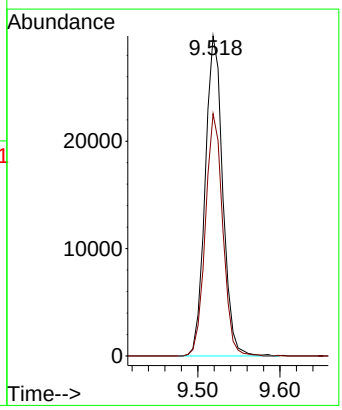


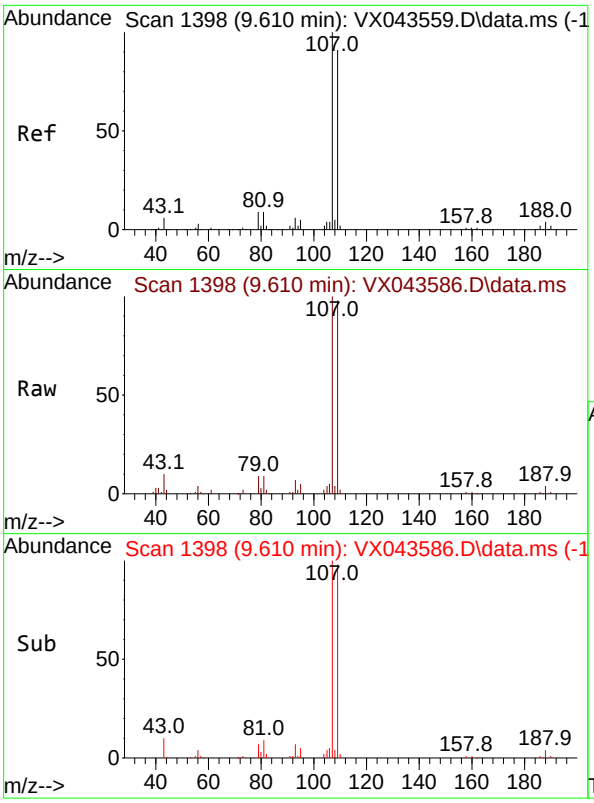


#60
Dibromochloromethane
Concen: 18.709 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:129 Resp: 44184

Ion	Ratio	Lower	Upper
129	100		
127	74.8	38.4	115.1

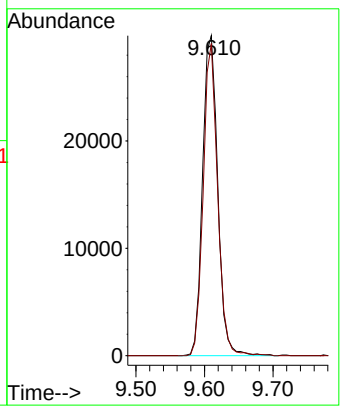




#61
1,2-Dibromoethane
Concen: 18.539 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:107 Resp: 4589

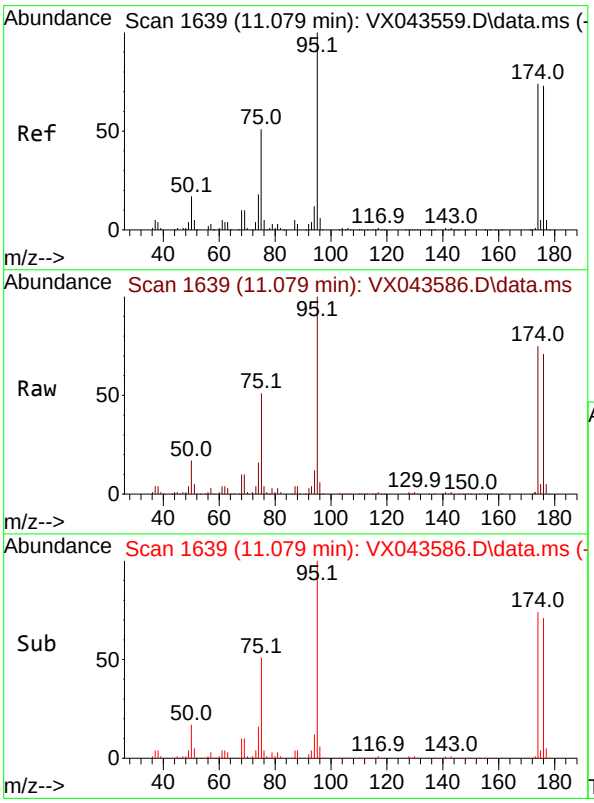
Ion	Ratio	Lower	Upper
107	100		
109	92.8	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

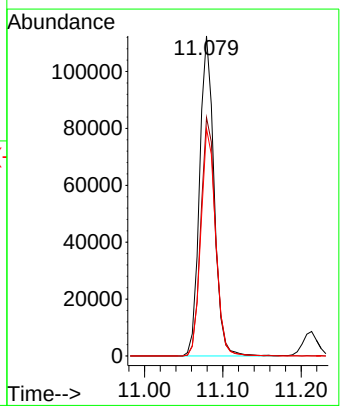
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

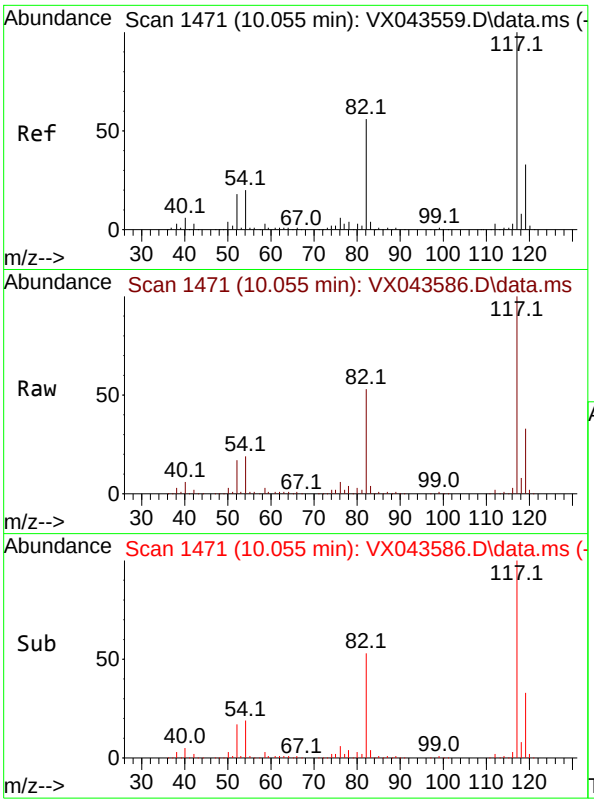


#62
4-Bromofluorobenzene
Concen: 47.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 95 Resp: 144111

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	146.6
176	72.4	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

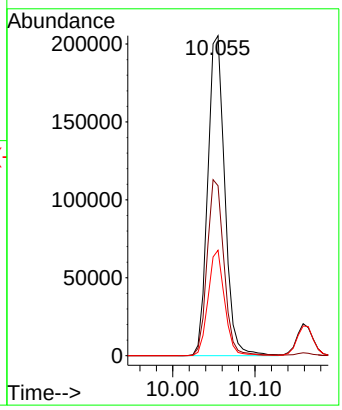
Tgt Ion:117 Resp: 29485

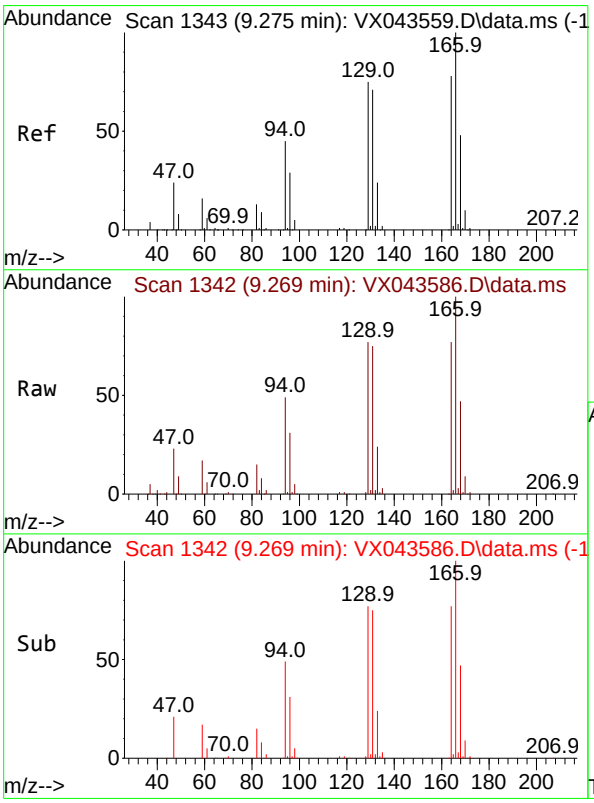
Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	33.0	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

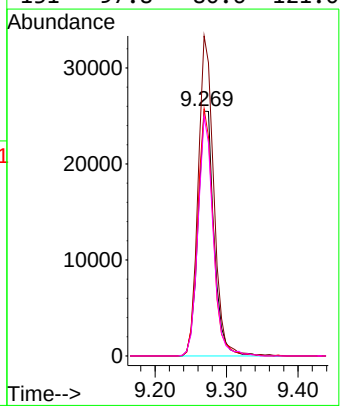


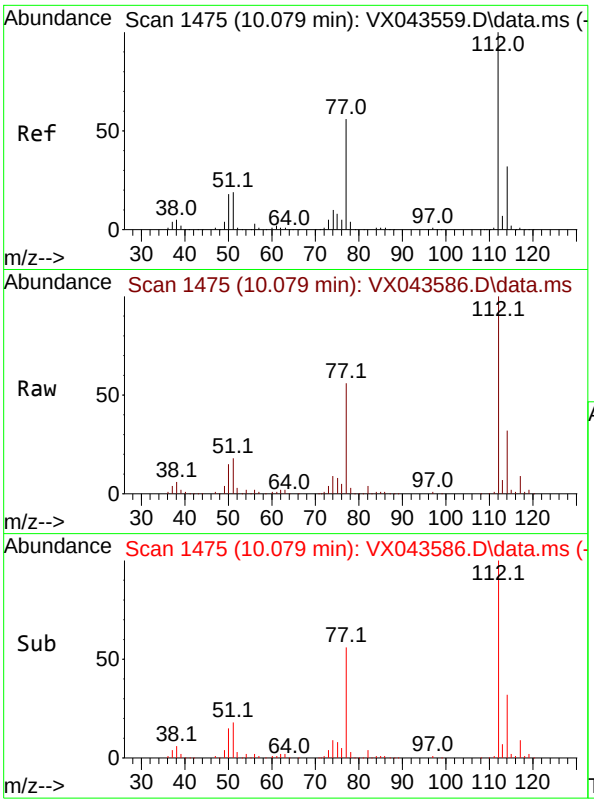


#64
Tetrachloroethene
Concen: 21.213 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:164 Resp: 39340

Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.8	155.6
129	101.0	83.8	125.6
131	97.8	80.6	121.0

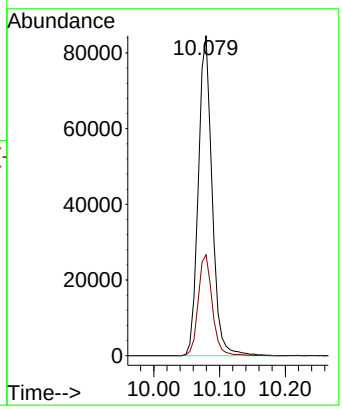




#65
Chlorobenzene
Concen: 19.435 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:112 Resp: 12328

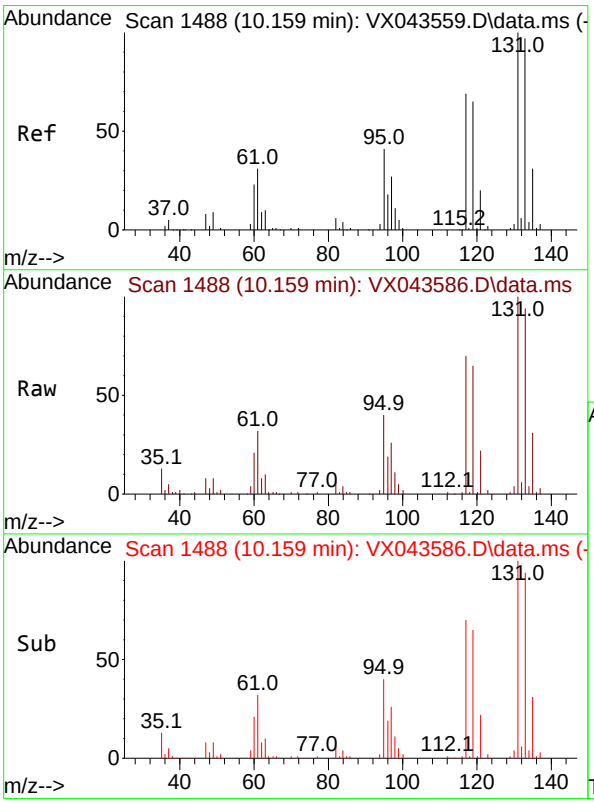
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

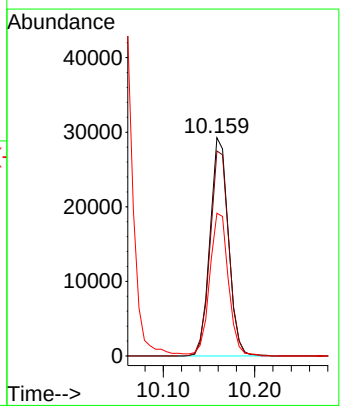
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

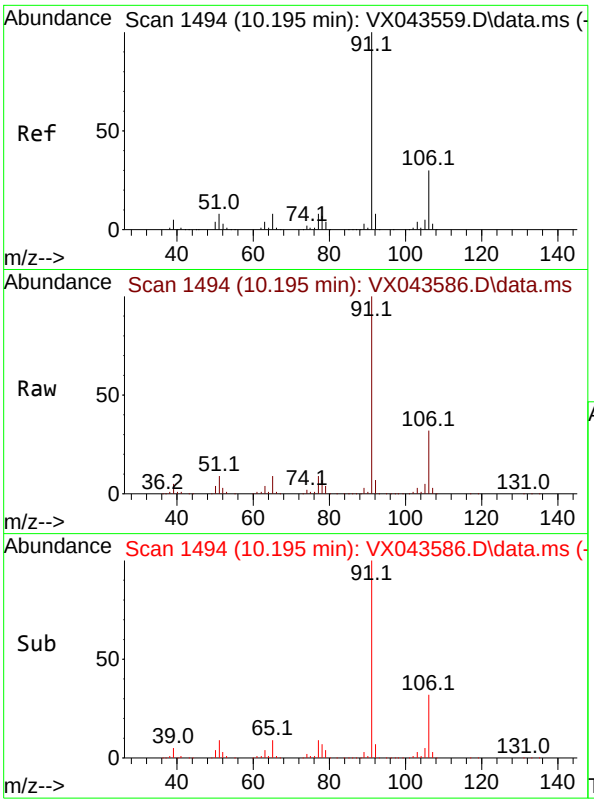


#66
1,1,1,2-Tetrachloroethane
Concen: 19.685 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:131 Resp: 40788

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.0
119	66.7	32.3	96.9





#67
Ethyl Benzene
Concen: 20.209 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

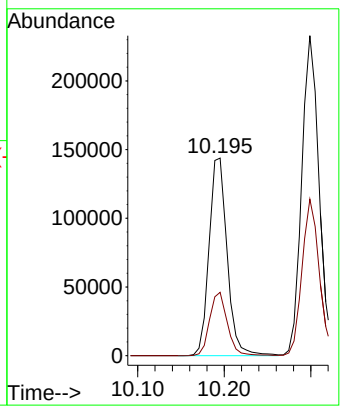
Tgt Ion: 91 Resp: 20904

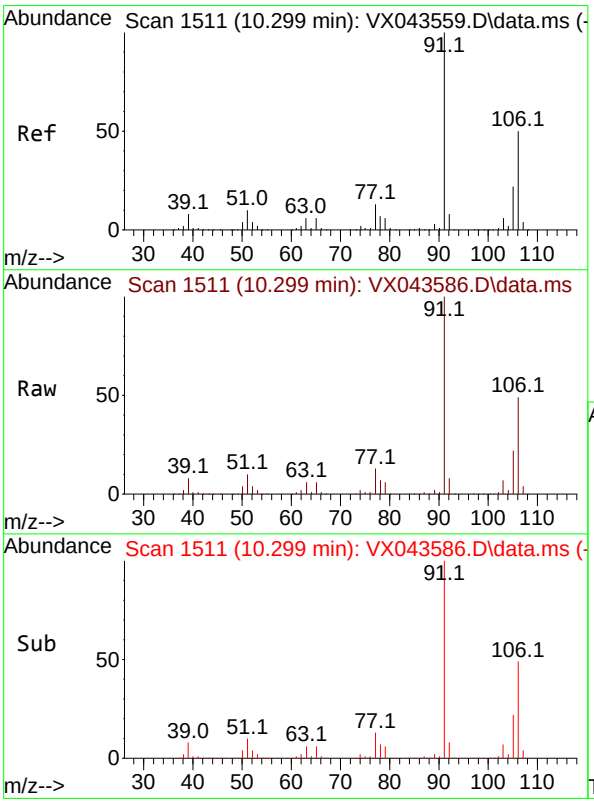
Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

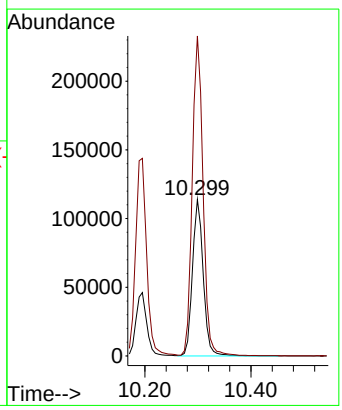


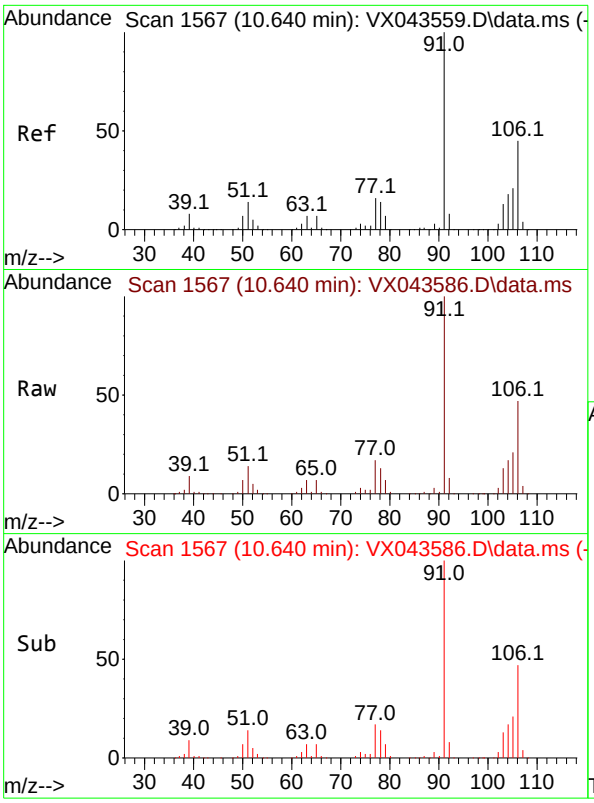


#68
m/p-Xylenes
Concen: 40.586 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:106 Resp: 160547

Ion	Ratio	Lower	Upper
106	100		
91	204.3	164.7	247.1





#69
o-Xylene
Concen: 20.128 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

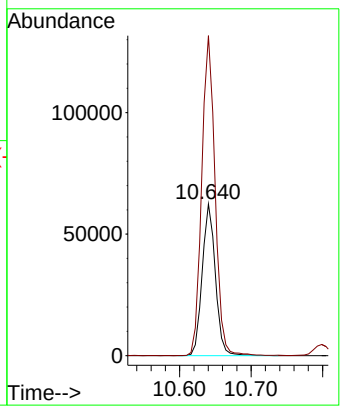
Tgt Ion:106 Resp: 7999

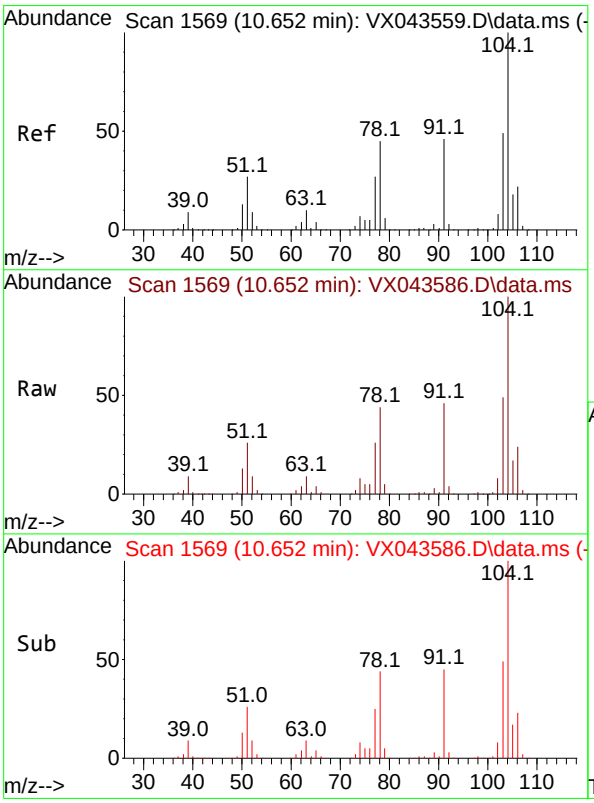
Ion	Ratio	Lower	Upper
106	100		
91	213.4	107.9	323.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

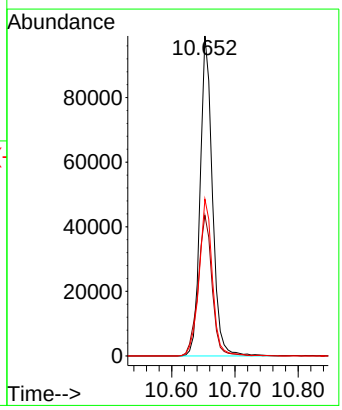


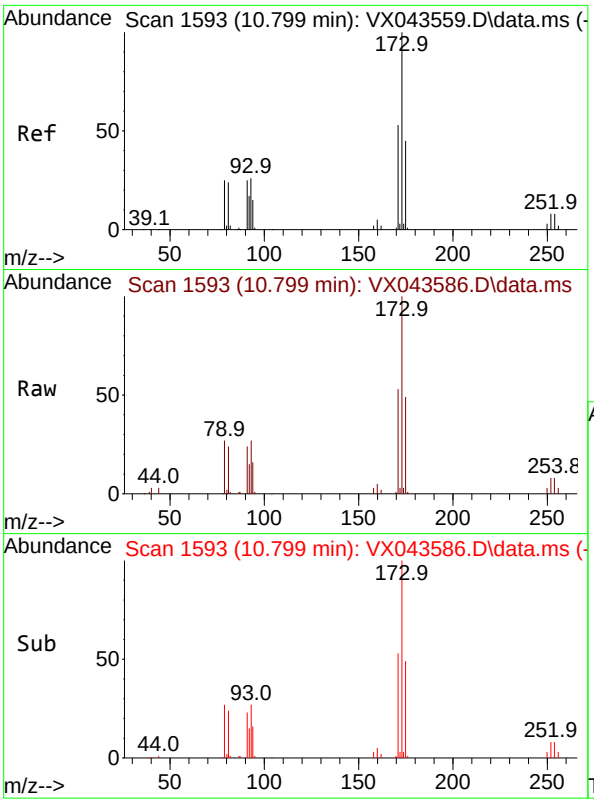


#70
Styrene
Concen: 20.223 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:104 Resp: 133590

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.0	60.0
103	53.3	43.4	65.0





#71
Bromoform
Concen: 17.788 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

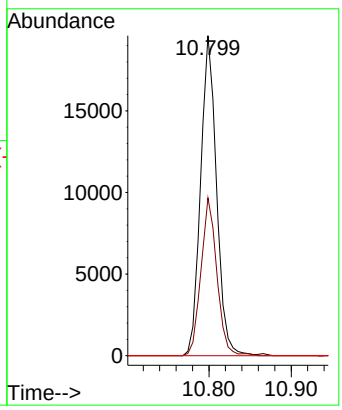
Tgt Ion:173 Resp: 2650

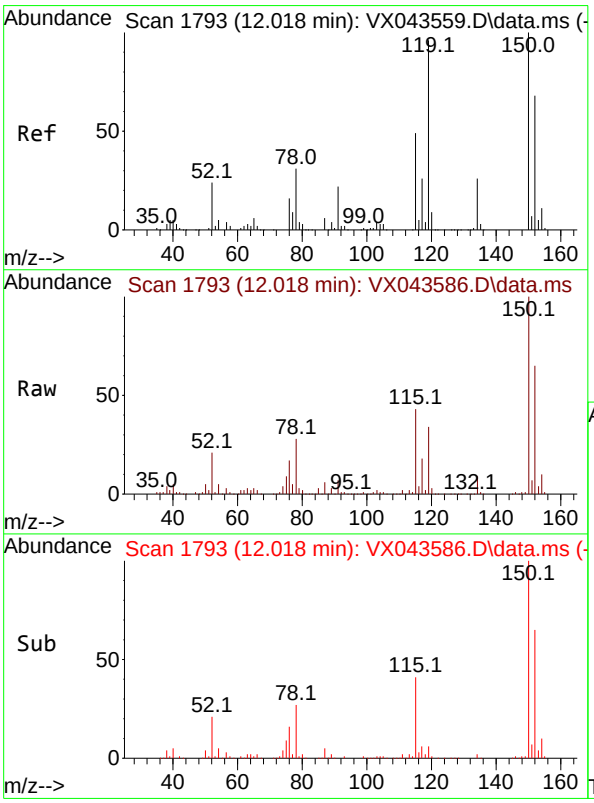
Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.3	69.9
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

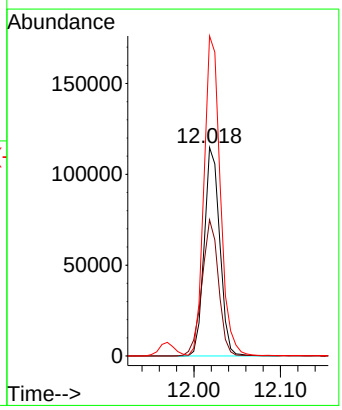


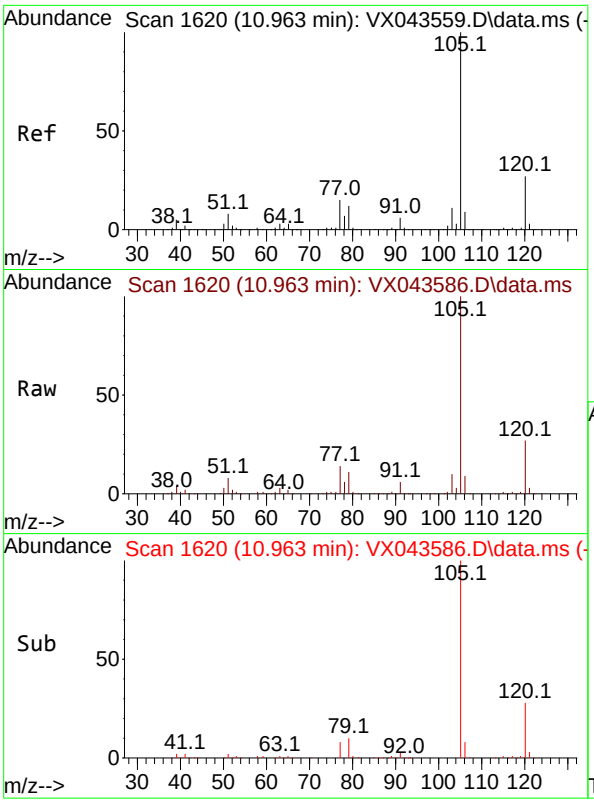


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:152 Resp: 142936

Ion	Ratio	Lower	Upper
152	100		
115	69.7	42.9	128.7
150	160.8	0.0	343.6





#73
Isopropylbenzene
Concen: 20.539 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

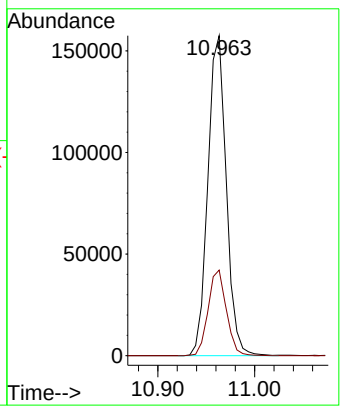
Tgt Ion:105 Resp: 20796

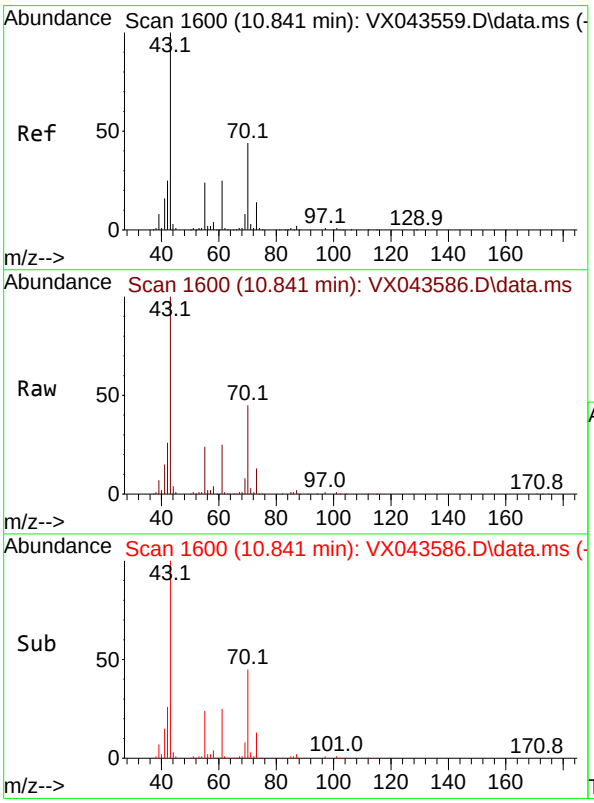
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

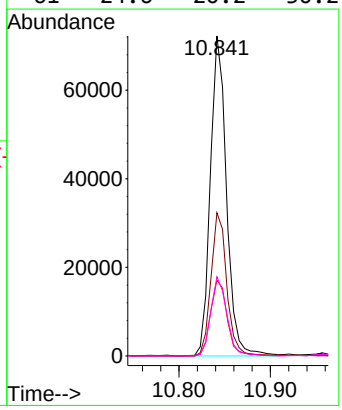


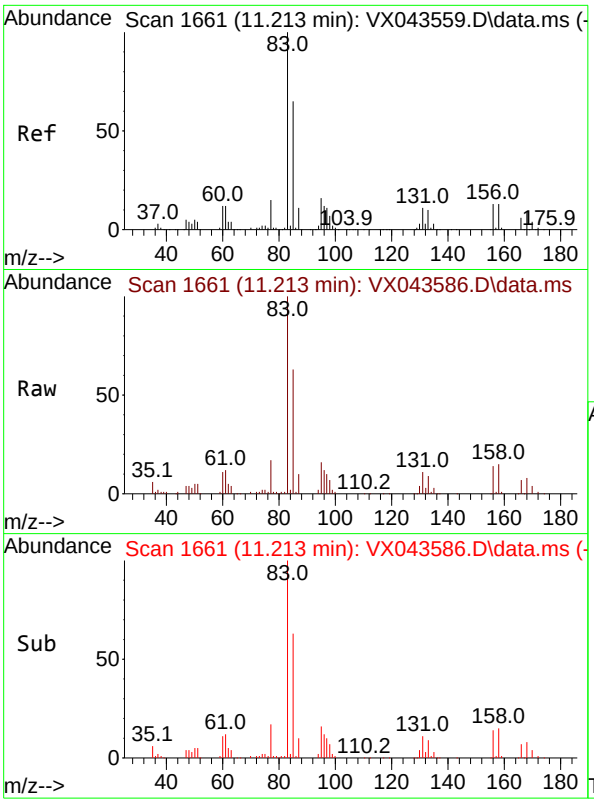


#74
N-amyl acetate
Concen: 18.058 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 89068

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.6	52.0
55	24.4	19.6	29.4
61	24.6	20.2	30.2

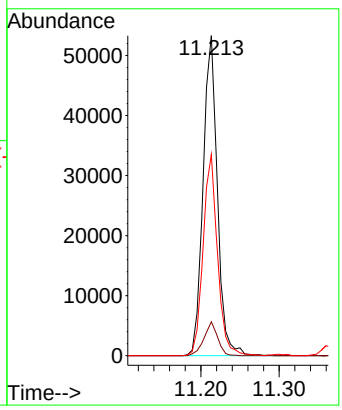




#75
1,1,2,2-Tetrachloroethane
Concen: 18.518 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 83 Resp: 6742

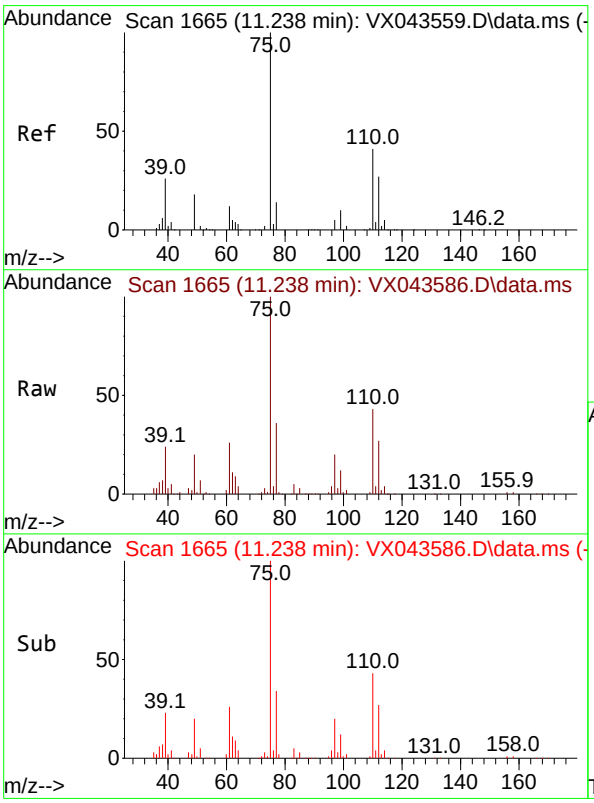
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	15.9
85	63.4	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

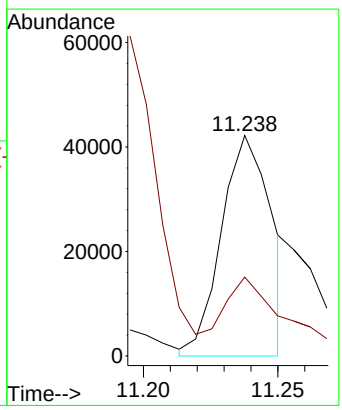
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

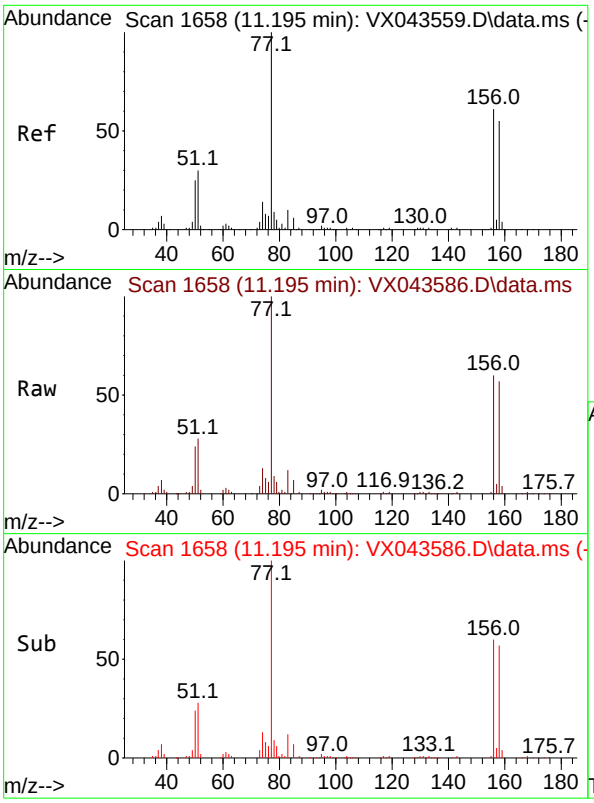


#76
1,2,3-Trichloropropane
Concen: 17.788 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 54362

Ion	Ratio	Lower	Upper
75	100		
77	45.1	22.4	67.2

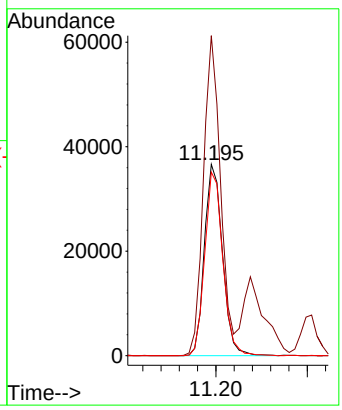




#77
Bromobenzene
Concen: 19.170 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:156 Resp: 5011

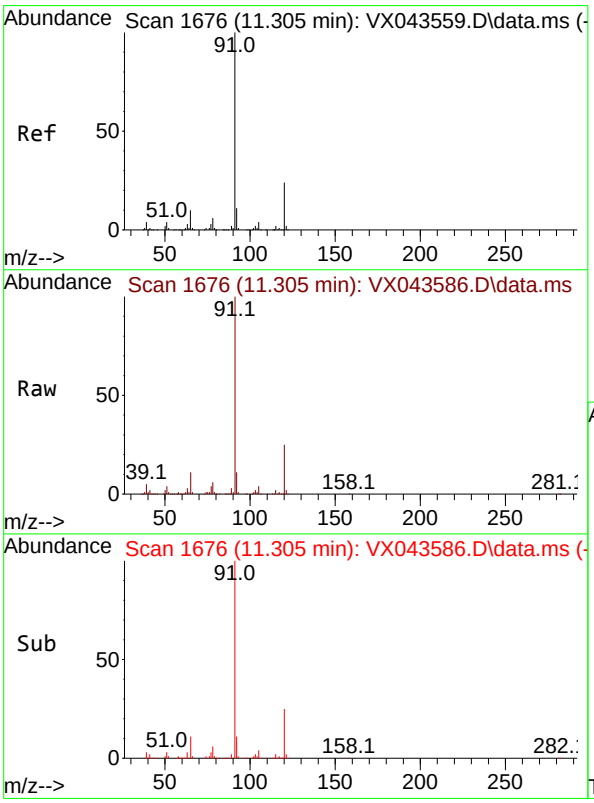
Ion	Ratio	Lower	Upper
156	100		
77	157.9	79.7	239.1
158	96.1	48.0	144.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

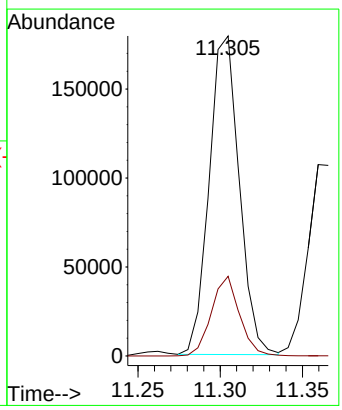
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

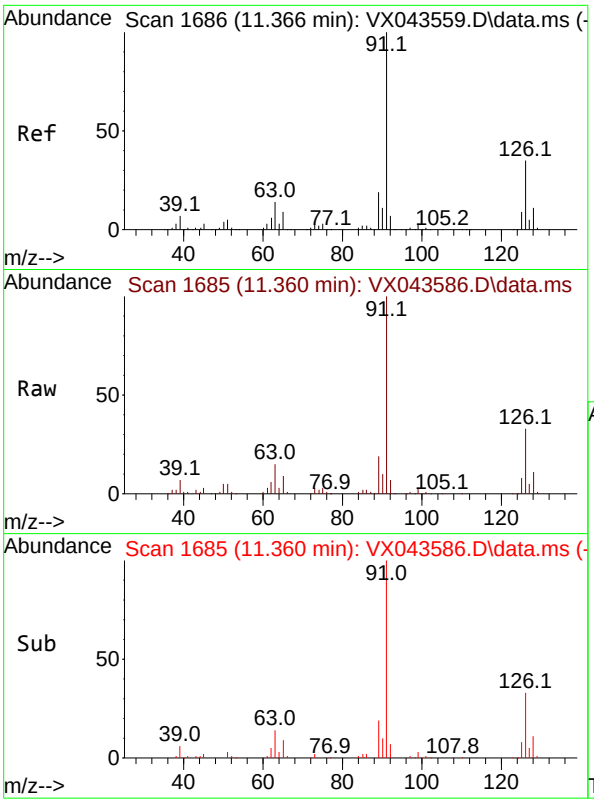


#78
n-propylbenzene
Concen: 20.630 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 91 Resp: 227750

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.7





#79
2-Chlorotoluene
Concen: 19.657 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

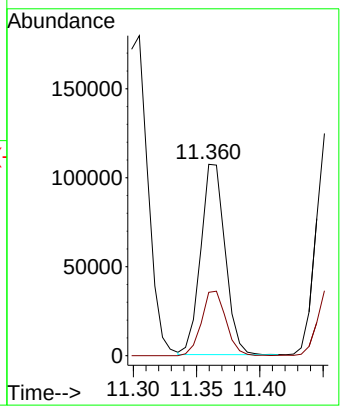
Tgt Ion: 91 Resp: 14389

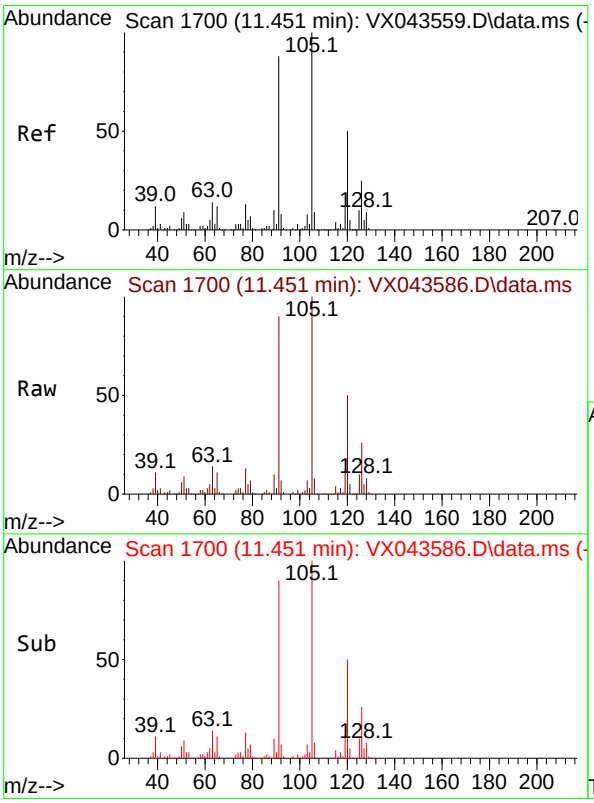
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

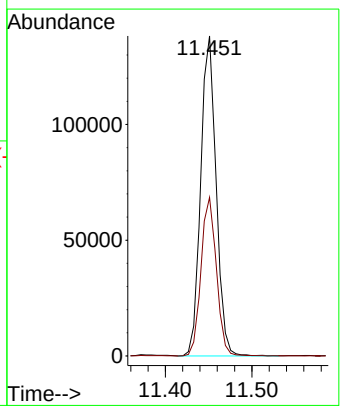


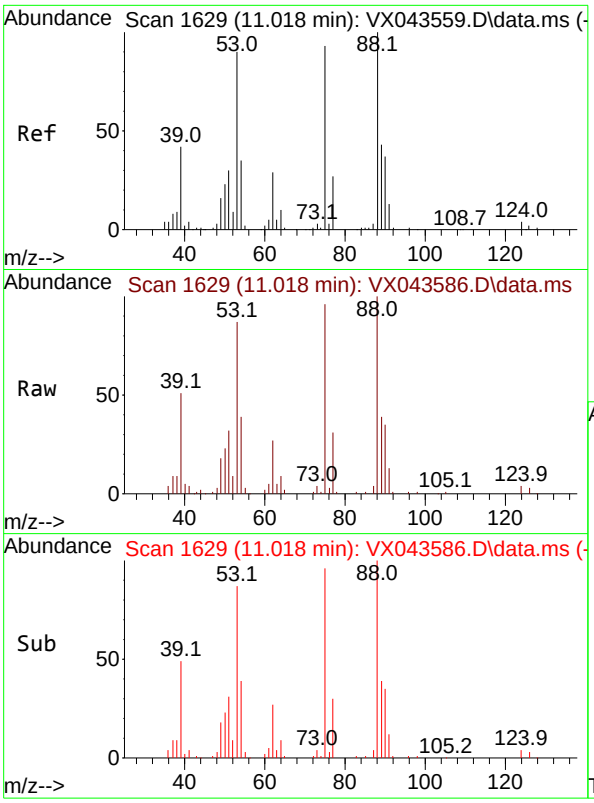


#80
1,3,5-Trimethylbenzene
Concen: 20.260 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:105 Resp: 171034

Ion	Ratio	Lower	Upper
105	100		
120	49.4	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 17.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

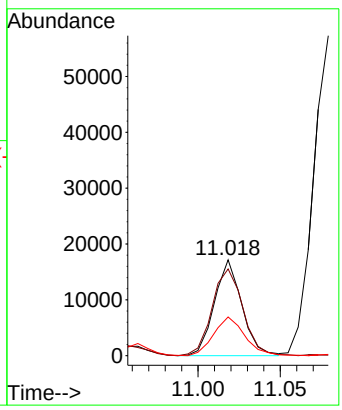
Tgt Ion: 75 Resp: 1993

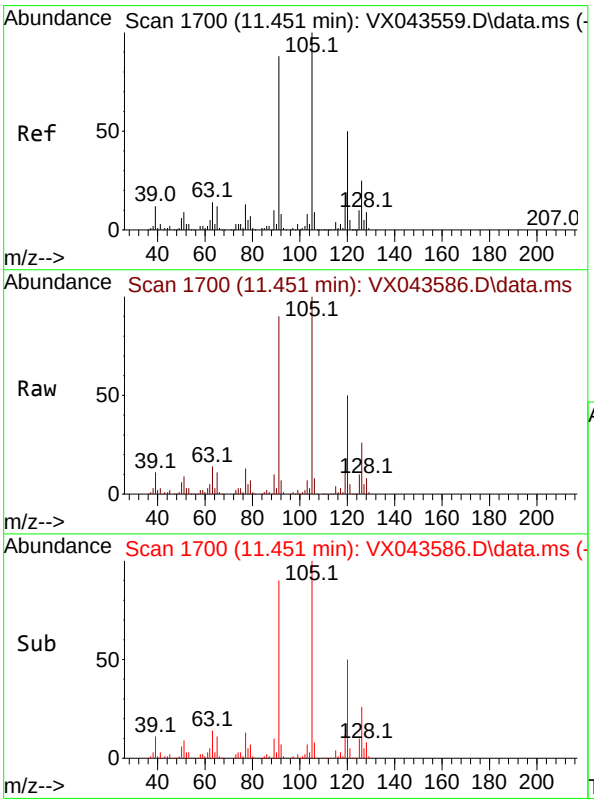
Ion	Ratio	Lower	Upper
75	100		
53	101.5	84.6	126.8
89	45.9	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

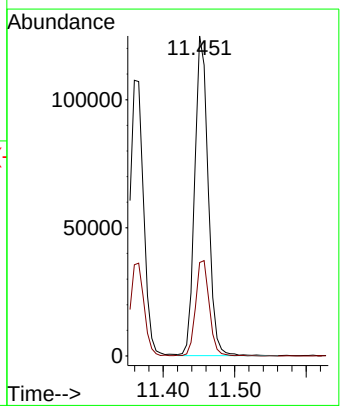


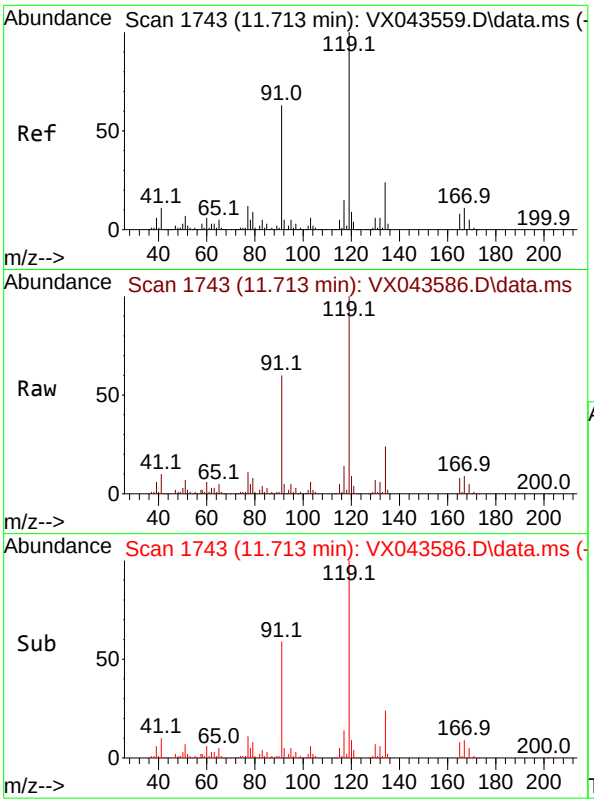


#82
4-Chlorotoluene
Concen: 19.767 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 91 Resp: 162418

Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.2	42.8

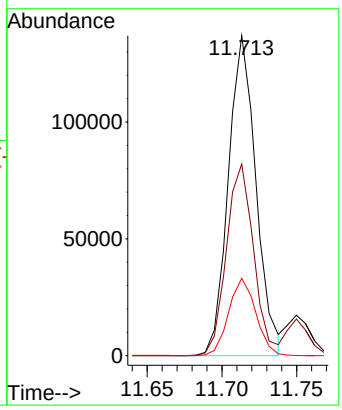




#83
tert-Butylbenzene
Concen: 20.537 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:119 Resp: 17632

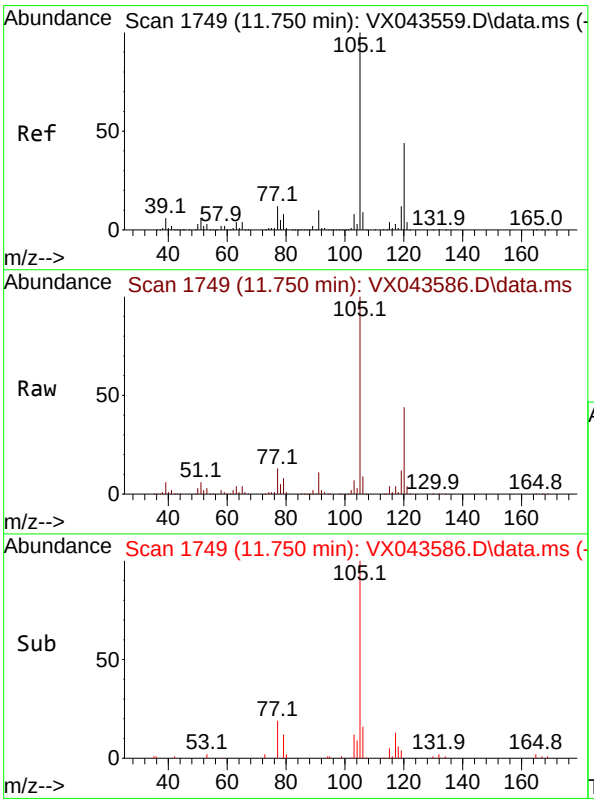
Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.5	88.5
134	23.8	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

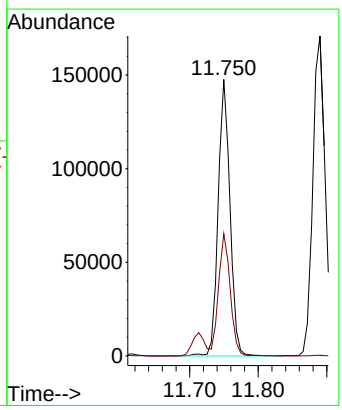
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

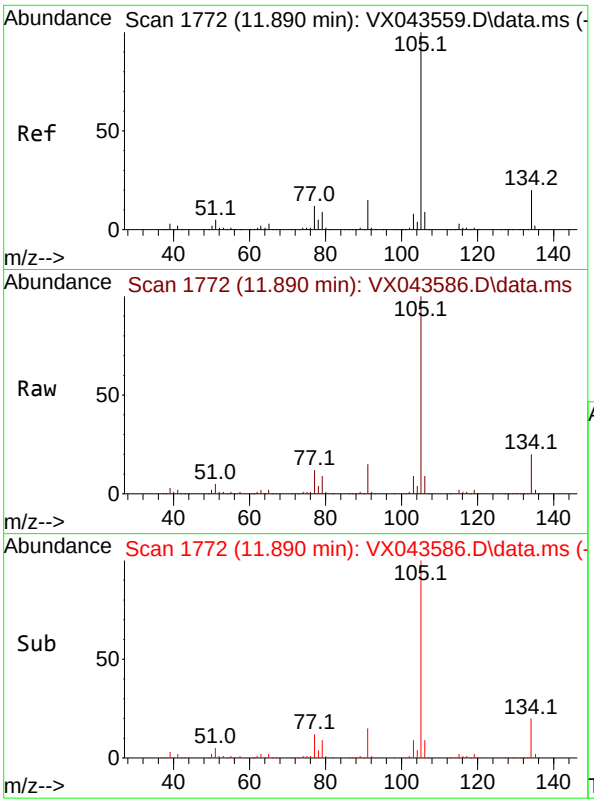


#84
1,2,4-Trimethylbenzene
Concen: 20.508 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:105 Resp: 176438

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1





#85
sec-Butylbenzene
Concen: 21.308 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

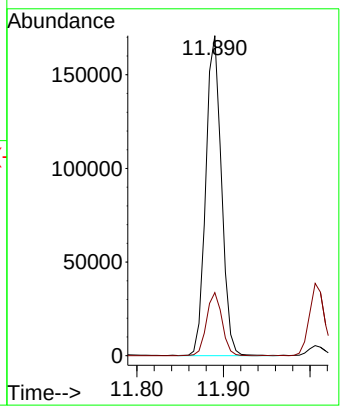
Tgt Ion:105 Resp: 21443

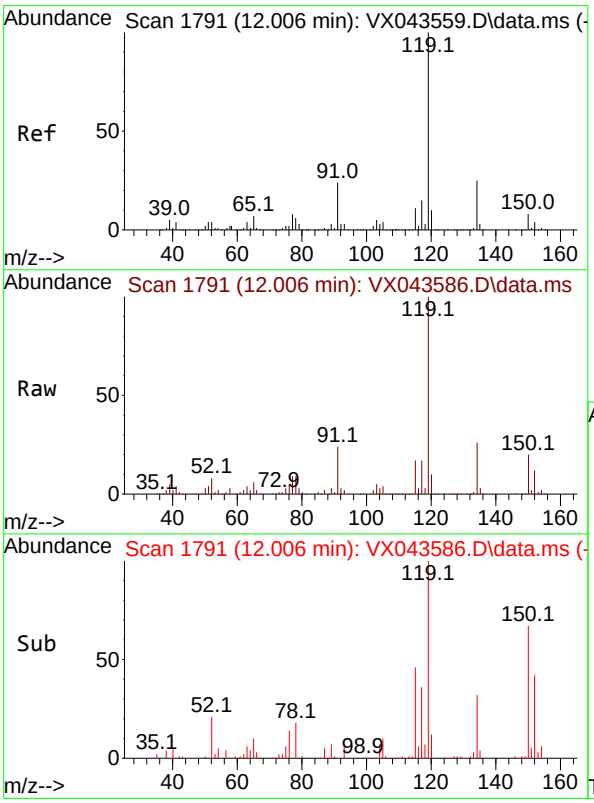
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

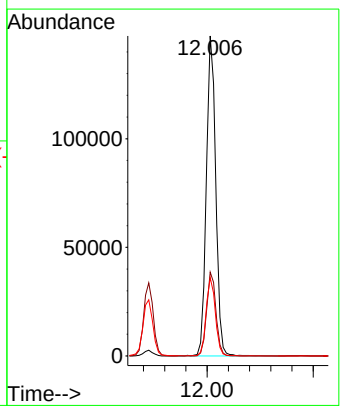


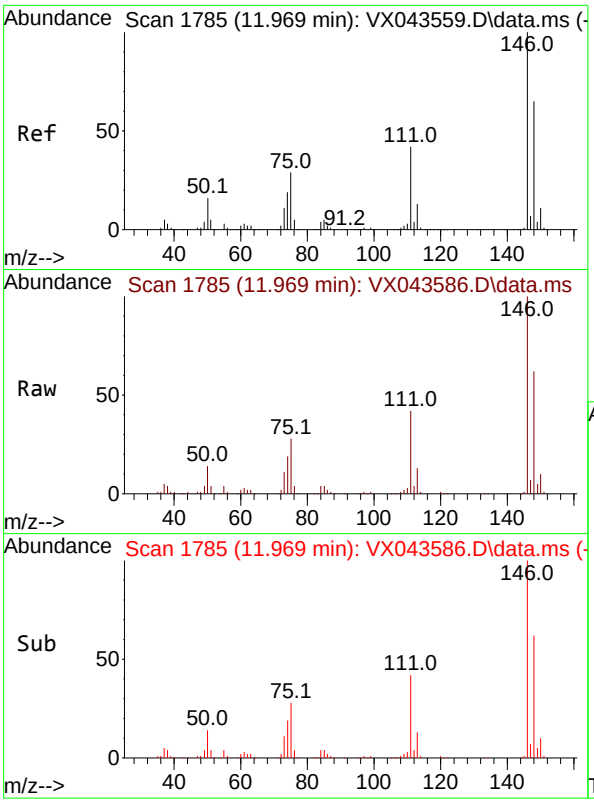


#86
p-Isopropyltoluene
Concen: 21.080 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:119 Resp: 180325

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.2	12.4	37.0

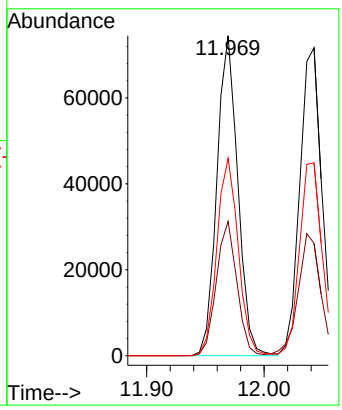




#87
1,3-Dichlorobenzene
Concen: 19.691 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:146 Resp: 9227

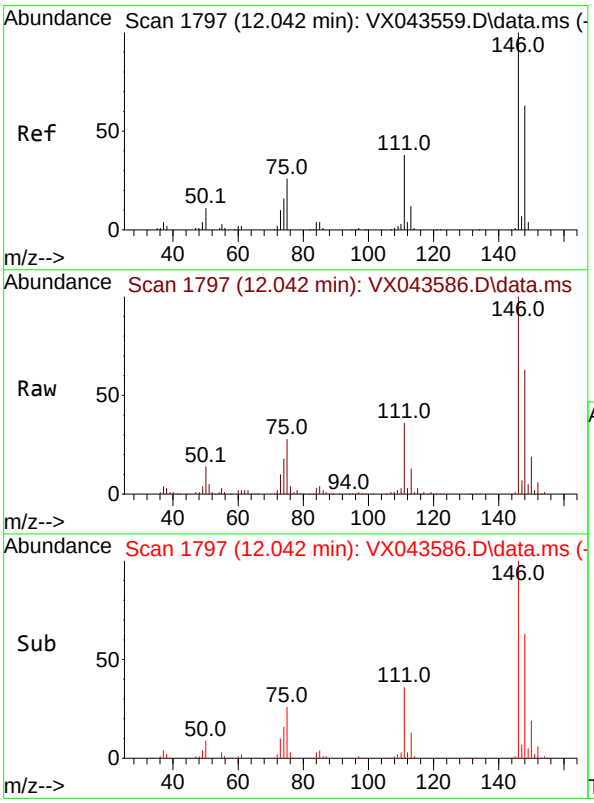
Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.4
148	63.1	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

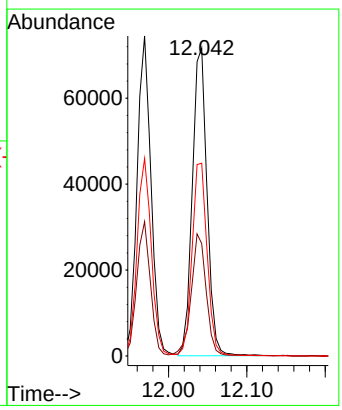
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

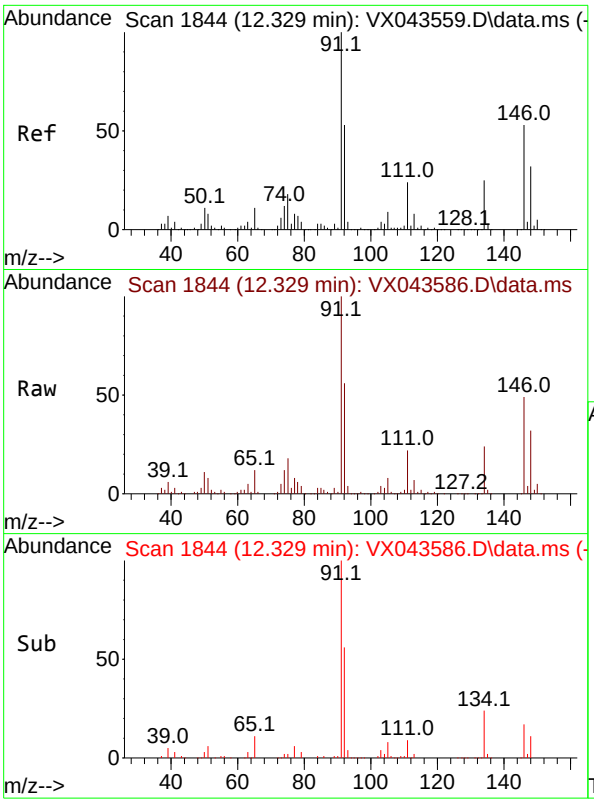


#88
1,4-Dichlorobenzene
Concen: 19.343 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:146 Resp: 93923

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.4	31.9	95.9





#89
n-Butylbenzene
Concen: 21.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

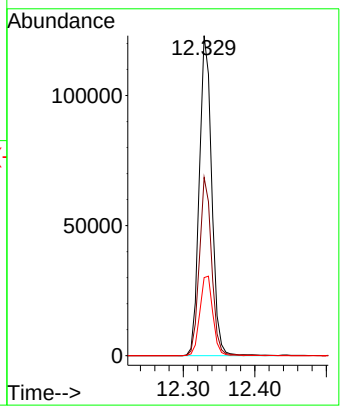
Tgt Ion: 91 Resp: 14811

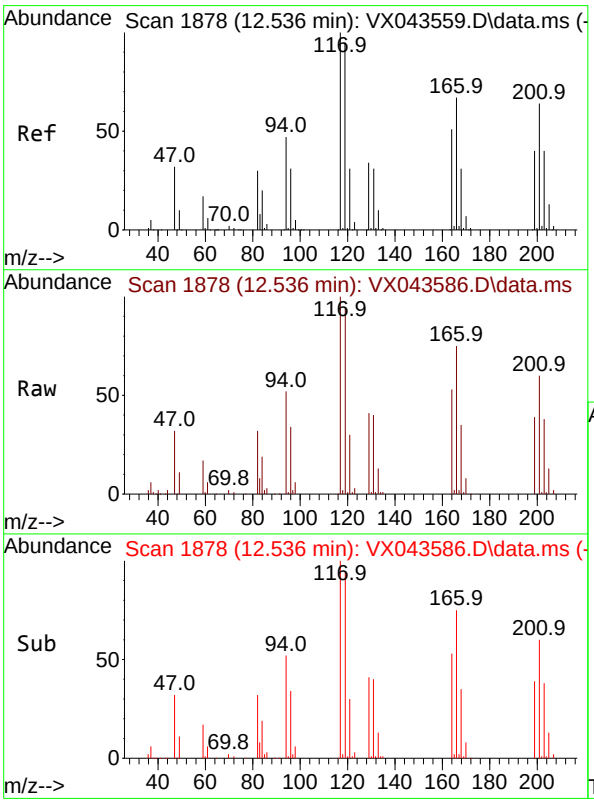
Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.1	81.2
134	26.1	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

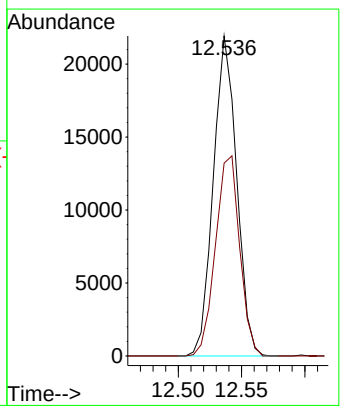


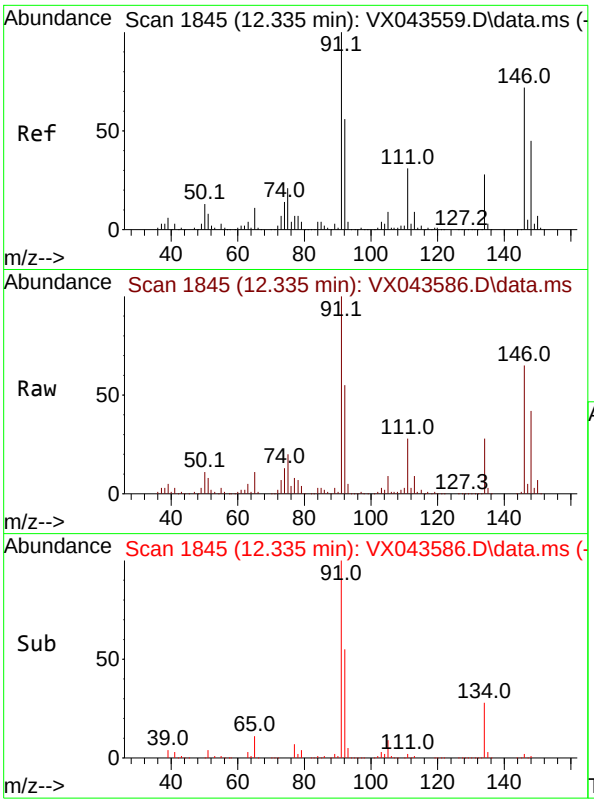


#90
Hexachloroethane
Concen: 20.210 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:117 Resp: 28082

Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.9	98.7

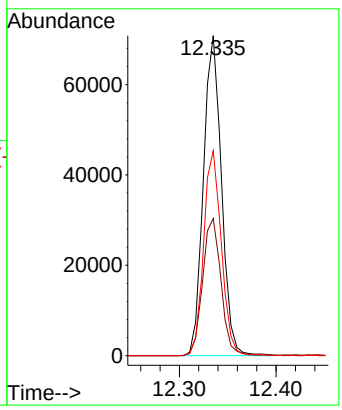




#91
1,2-Dichlorobenzene
Concen: 19.265 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:146 Resp: 9231

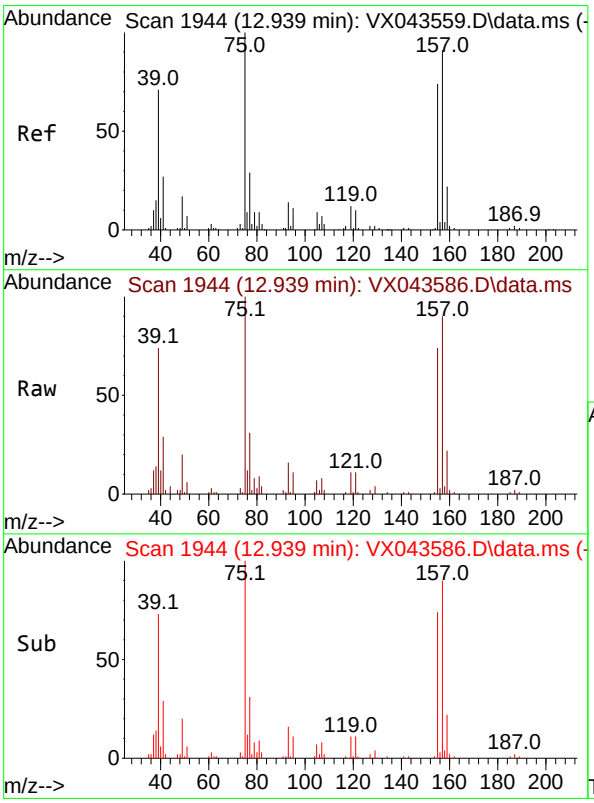
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	62.9	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

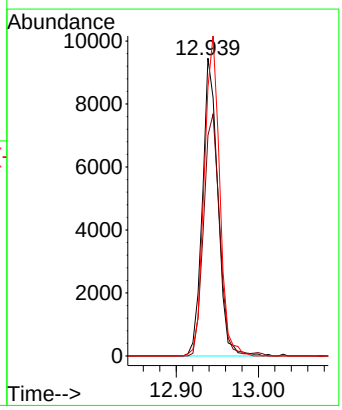
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

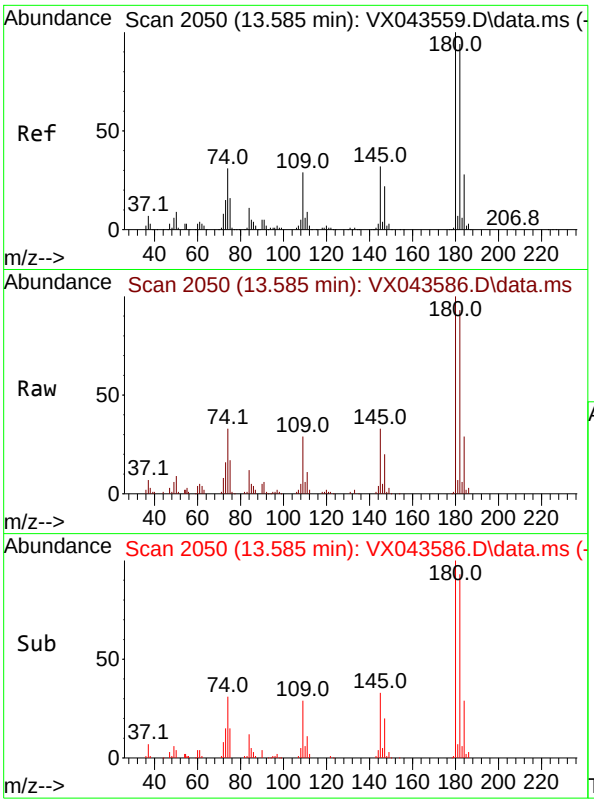


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 12277

Ion	Ratio	Lower	Upper
75	100		
155	85.4	40.1	120.3
157	107.8	50.8	152.4

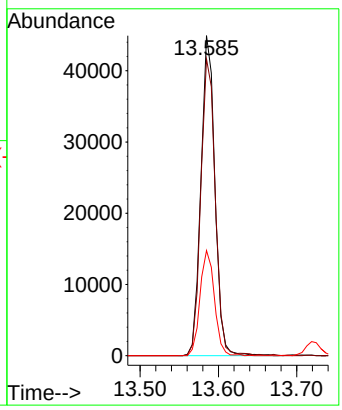




#93
1,2,4-Trichlorobenzene
Concen: 19.158 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:180 Resp: 5572

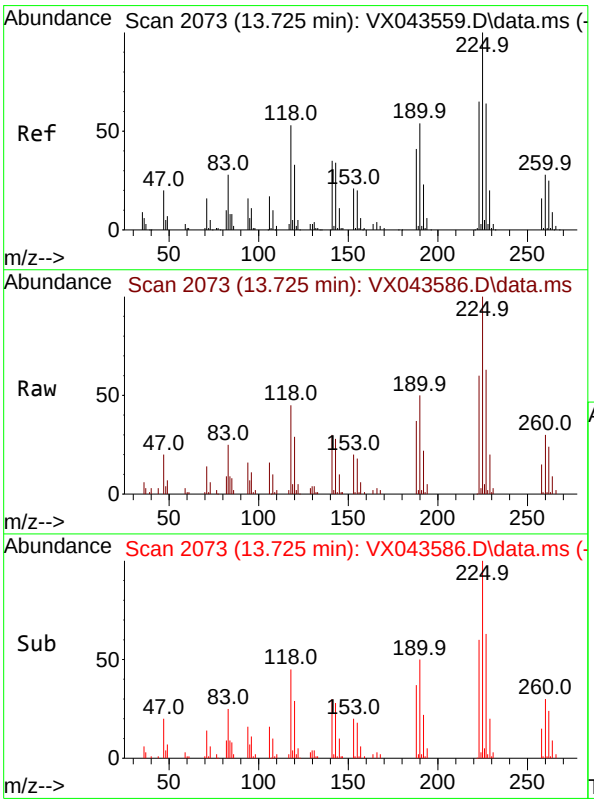
Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	33.8	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

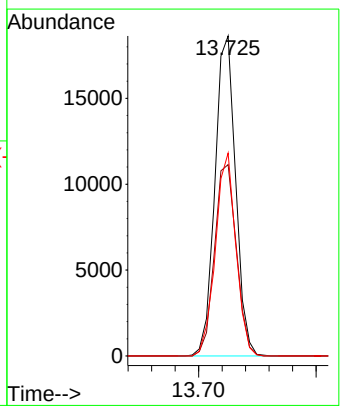
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

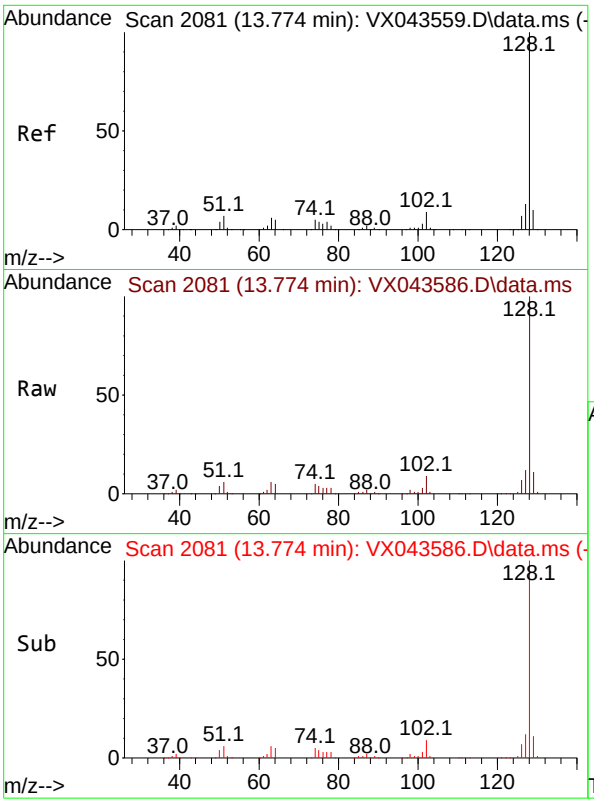


#94
Hexachlorobutadiene
Concen: 21.279 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:225 Resp: 22819

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.4
227	62.5	31.6	94.8

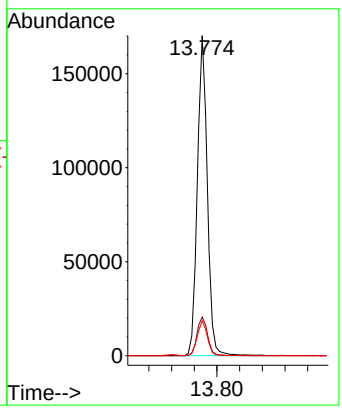




#95
Naphthalene
Concen: 18.643 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:128 Resp: 20749

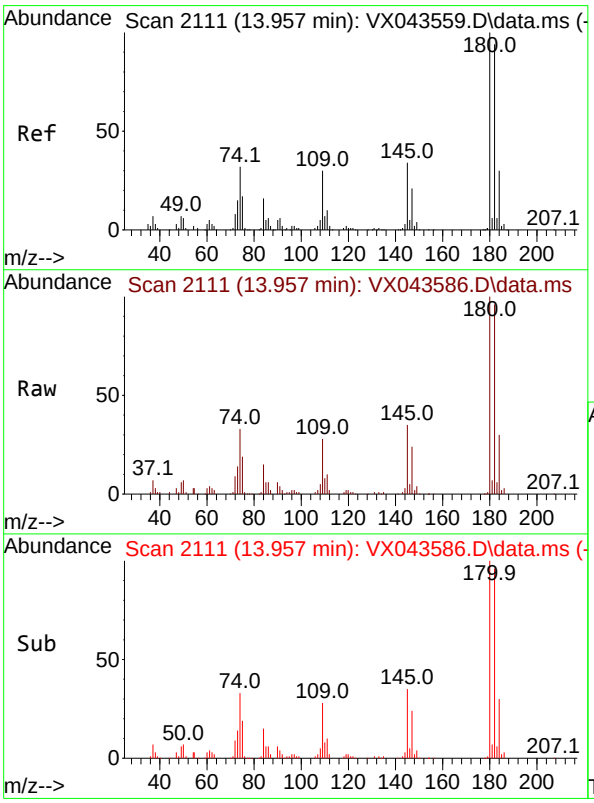
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations
APPROVED

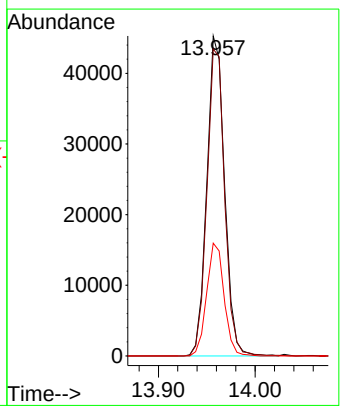
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 18.850 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:180 Resp: 57807

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	34.6	17.4	52.3



Raw Data: **VX043613.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1030WBS01	SDG No.:	P4600
Lab Sample ID:	VX1030WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.0		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	99.0		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.0		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L

Raw Data: **VX043613.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1030WBS01	SDG No.:	P4600
Lab Sample ID:	VX1030WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.0		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	148000	5.544				
540-36-3	1,4-Difluorobenzene	265000	6.757				
3114-55-4	Chlorobenzene-d5	239000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018				

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\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	148306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108212	45.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.520%			
35) Dibromofluoromethane	5.379	113	87025	48.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	8.647	98	314569	50.612	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	119367	51.829	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27753	17.498	ug/l	98
3) Chloromethane	1.295	50	34439	16.986	ug/l	100
4) Vinyl Chloride	1.374	62	33498	17.803	ug/l	96
5) Bromomethane	1.593	94	14288	18.626	ug/l	93
6) Chloroethane	1.660	64	11760	17.740	ug/l	92
7) Trichlorofluoromethane	1.861	101	40651	17.685	ug/l	99
8) Diethyl Ether	2.130	74	19398	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	29454	18.947	ug/l	96
10) Methyl Iodide	2.441	142	41395	18.431	ug/l	97
11) Tert butyl alcohol	3.008	59	41254m	93.465	ug/l	
12) 1,1-Dichloroethene	2.307	96	28154	17.722	ug/l	94
13) Acrolein	2.233	56	26661	77.239	ug/l	97
14) Allyl chloride	2.654	41	46642	16.975	ug/l	97
15) Acrylonitrile	3.069	53	98528	98.870	ug/l	99
16) Acetone	2.386	43	93396	99.457	ug/l	100
17) Carbon Disulfide	2.496	76	48946	14.734	ug/l	99
18) Methyl Acetate	2.703	43	50644	18.453	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	113805	18.837	ug/l	98
20) Methylene Chloride	2.782	84	36896	18.230	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	30527	18.189	ug/l	95
22) Diisopropyl ether	3.764	45	107460	18.921	ug/l	96
23) Vinyl Acetate	3.721	43	443752	94.573	ug/l	99
24) 1,1-Dichloroethane	3.599	63	58738	17.994	ug/l	98
25) 2-Butanone	4.568	43	137643	100.482	ug/l	99
26) 2,2-Dichloropropane	4.465	77	47680	17.844	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	40483	18.882	ug/l	98
28) Bromochloromethane	4.891	49	28671	18.463	ug/l	95
29) Tetrahydrofuran	5.013	42	85231	95.744	ug/l	97
30) Chloroform	5.080	83	64399	18.820	ug/l	94
31) Cyclohexane	5.458	56	45048	18.042	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	50740	17.662	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38518	18.092	ug/l	97
37) Ethyl Acetate	4.715	43	51646	19.981	ug/l	98
38) Carbon Tetrachloride	5.666	117	41334	17.571	ug/l	99
39) Methylcyclohexane	7.373	83	50783	19.212	ug/l	100
40) Benzene	6.031	78	135317	19.052	ug/l	100

Sample Results: **VX043613.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27603	20.345 ug/l		95
42) 1,2-Dichloroethane	6.080	62	48172	18.866 ug/l		97
43) Isopropyl Acetate	6.336	43	80680	18.875 ug/l		97
44) Trichloroethene	7.123	130	32171	18.233 ug/l		93
45) 1,2-Dichloropropane	7.428	63	33302	19.042 ug/l		100
46) Dibromomethane	7.580	93	25774	19.140 ug/l		95
47) Bromodichloromethane	7.818	83	43771	18.529 ug/l		98
48) Methyl methacrylate	7.696	41	39830	19.653 ug/l		96
49) 1,4-Dioxane	7.671	88	14140	339.602 ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	269977	103.625 ug/l		99
52) Toluene	8.714	92	84865	19.702 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	46488	18.322 ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	52745	19.511 ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	36754	20.499 ug/l		99
56) Ethyl methacrylate	9.116	69	59004	20.253 ug/l		94
57) 1,3-Dichloropropane	9.305	76	61622	20.664 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	140409	99.511 ug/l		97
59) 2-Hexanone	9.433	43	205521	103.864 ug/l		98
60) Dibromochloromethane	9.519	129	34532	19.450 ug/l		100
61) 1,2-Dibromoethane	9.610	107	38155	20.500 ug/l		97
64) Tetrachloroethene	9.269	164	28659	19.064 ug/l		95
65) Chlorobenzene	10.080	112	100050	19.456 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32872	19.571 ug/l		98
67) Ethyl Benzene	10.189	91	159115	18.976 ug/l		98
68) m/p-Xylenes	10.299	106	126258	39.374 ug/l		94
69) o-Xylene	10.640	106	64722	20.088 ug/l		95
70) Styrene	10.653	104	108183	20.202 ug/l		99
71) Bromoform	10.799	173	22030	18.241 ug/l	#	97
73) Isopropylbenzene	10.964	105	156713	18.755 ug/l		100
74) N-amyl acetate	10.842	43	73630	18.089 ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	58265	19.391 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	47409m	18.797 ug/l		
77) Bromobenzene	11.195	156	42214	19.565 ug/l		96
78) n-propylbenzene	11.305	91	172894	18.977 ug/l		98
79) 2-Chlorotoluene	11.366	91	112270	18.584 ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	134164	19.257 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	15721	17.148 ug/l		96
82) 4-Chlorotoluene	11.451	91	128383	18.933 ug/l		96
83) tert-Butylbenzene	11.713	119	134426	18.972 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	136562	19.234 ug/l		97
85) sec-Butylbenzene	11.890	105	160544	19.331 ug/l		99
86) p-Isopropyltoluene	12.006	119	136876	19.389 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	73659	19.047 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	76016	18.970 ug/l		100
89) n-Butylbenzene	12.329	91	109400	19.018 ug/l		99
90) Hexachloroethane	12.536	117	20716	18.065 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	79439	20.088 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10780	17.599 ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	47511	19.794 ug/l		99
94) Hexachlorobutadiene	13.725	225	16964	19.168 ug/l		98
95) Naphthalene	13.774	128	179816	19.576 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	48793	19.280 ug/l		100

Sample Results: **VX043613.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

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

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

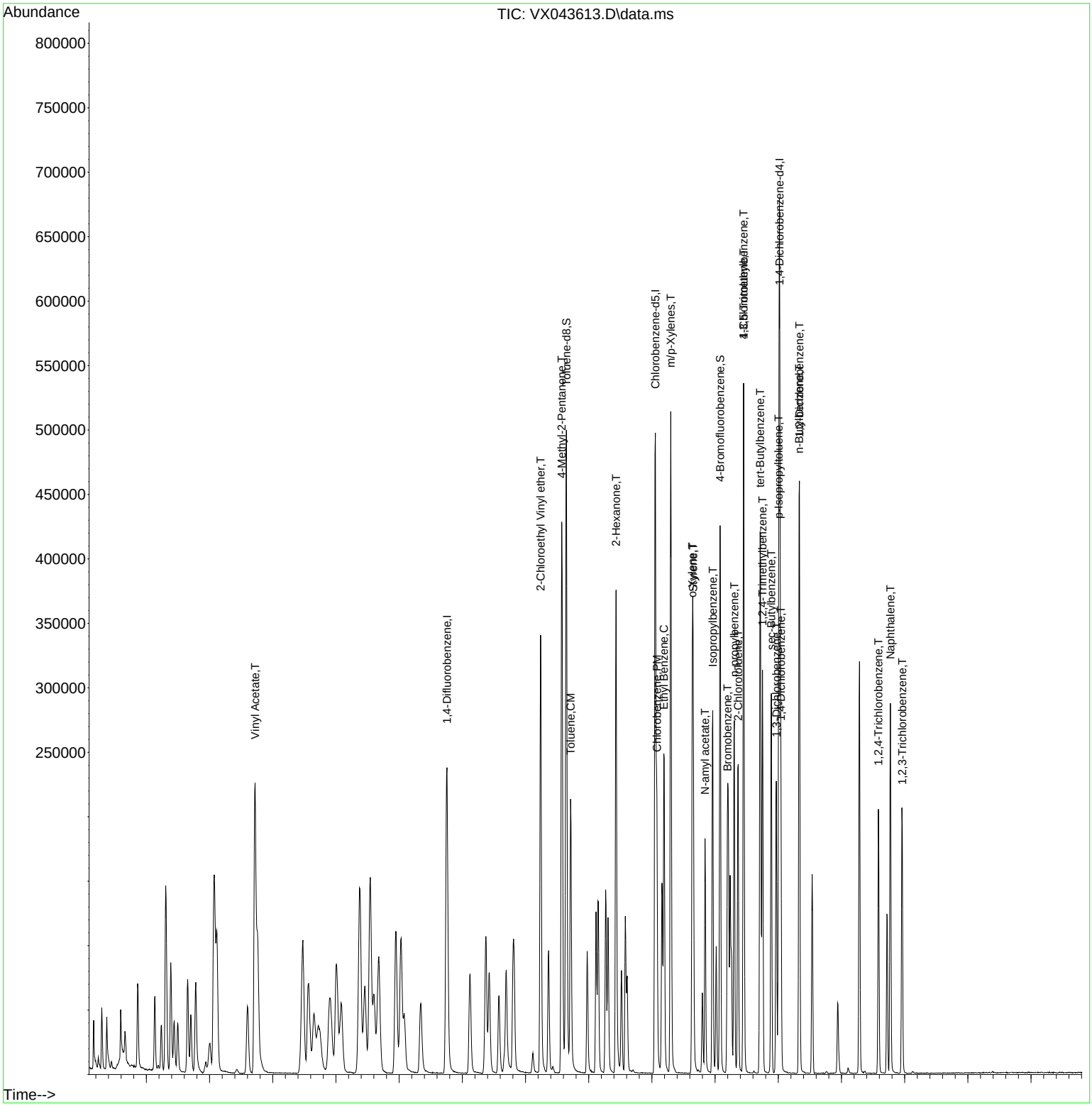
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

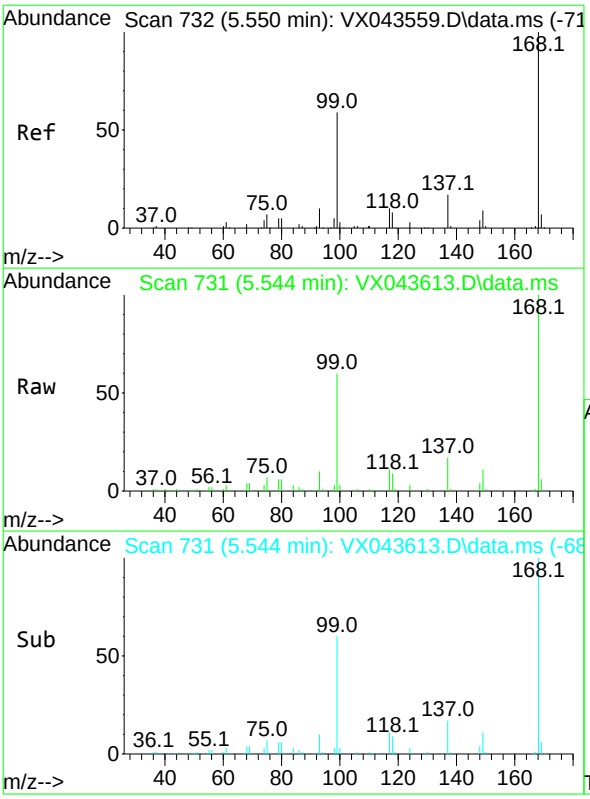
Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

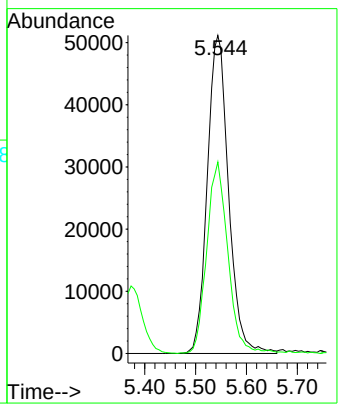




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:168 Resp: 148306

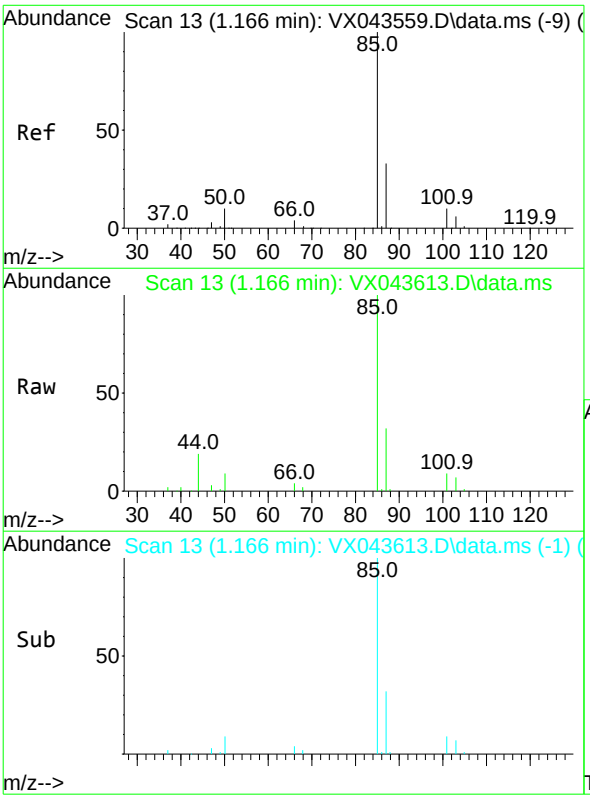
Ion	Ratio	Lower	Upper
168	100		
99	60.2	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

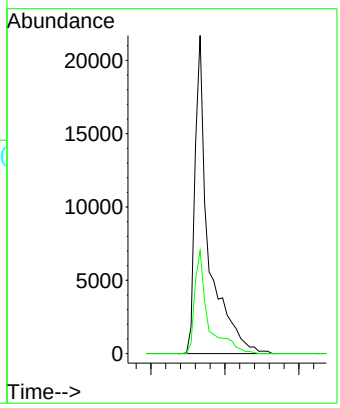
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

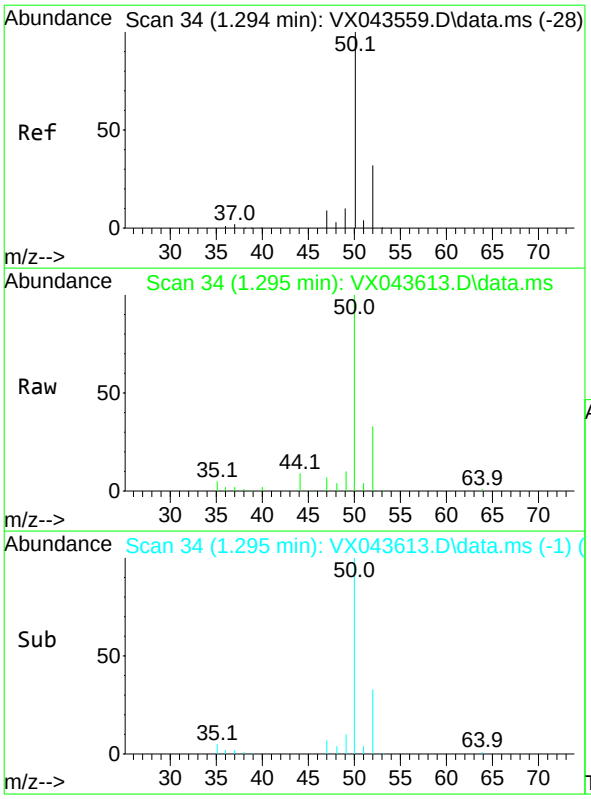


#2
Dichlorodifluoromethane
Concen: 17.498 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 85 Resp: 27753

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.0

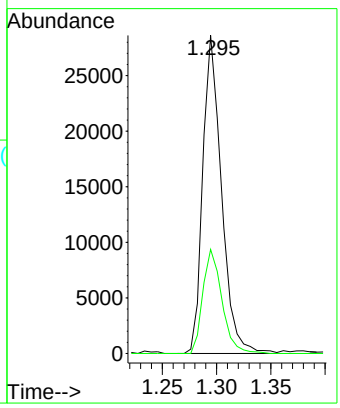




#3
Chloromethane
Concen: 16.986 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 50 Resp: 34439

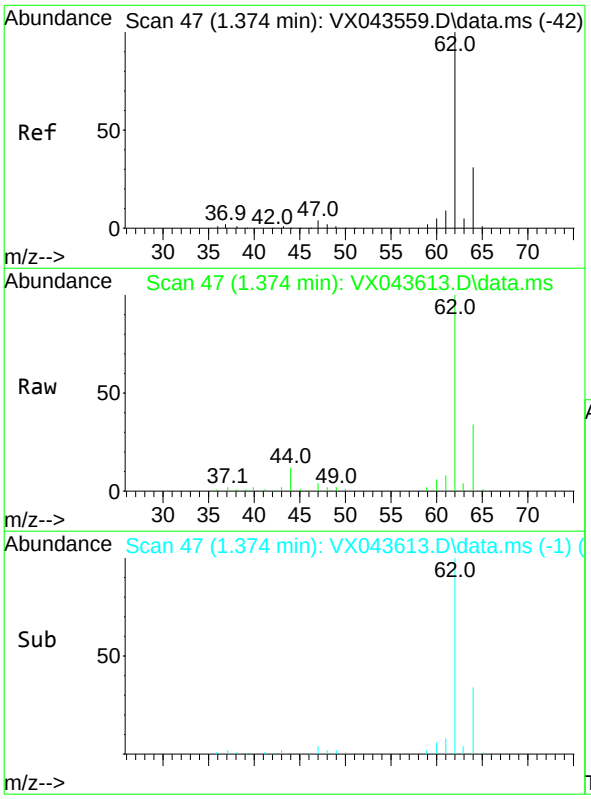
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

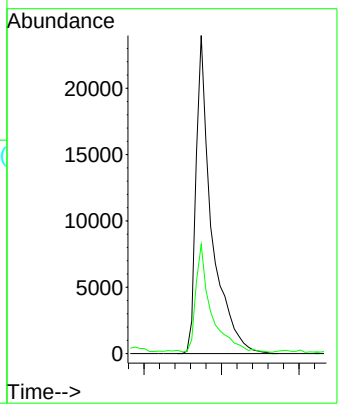
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

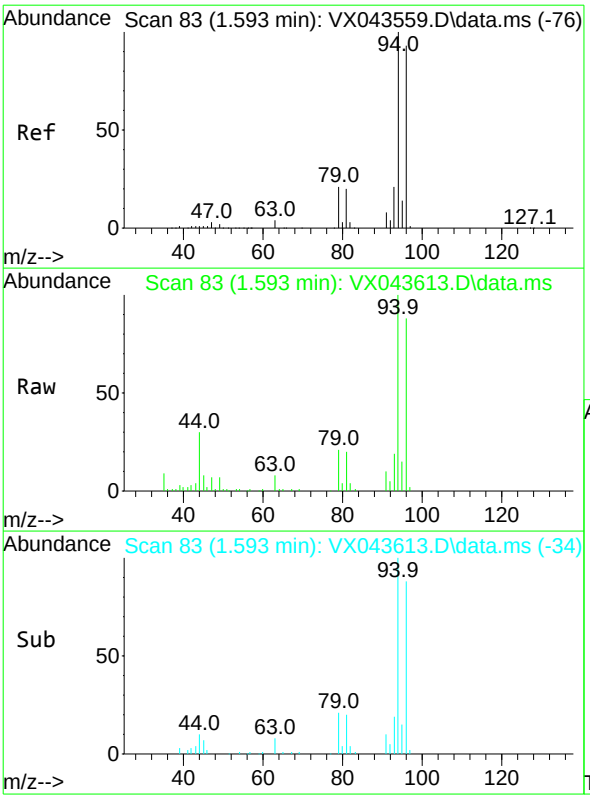


#4
Vinyl Chloride
Concen: 17.803 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 62 Resp: 33498

Ion	Ratio	Lower	Upper
62	100		
64	33.6	25.0	37.4

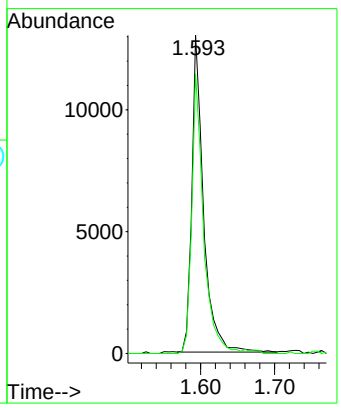




#5
Bromomethane
Concen: 18.626 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 94 Resp: 14288

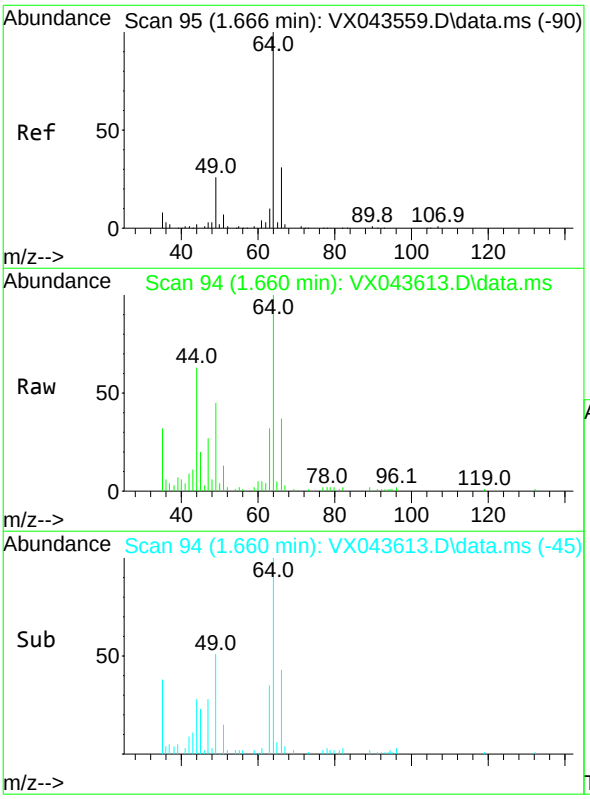
Ion	Ratio	Lower	Upper
94	100		
96	88.3	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

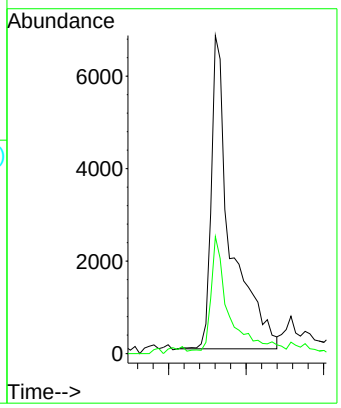
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

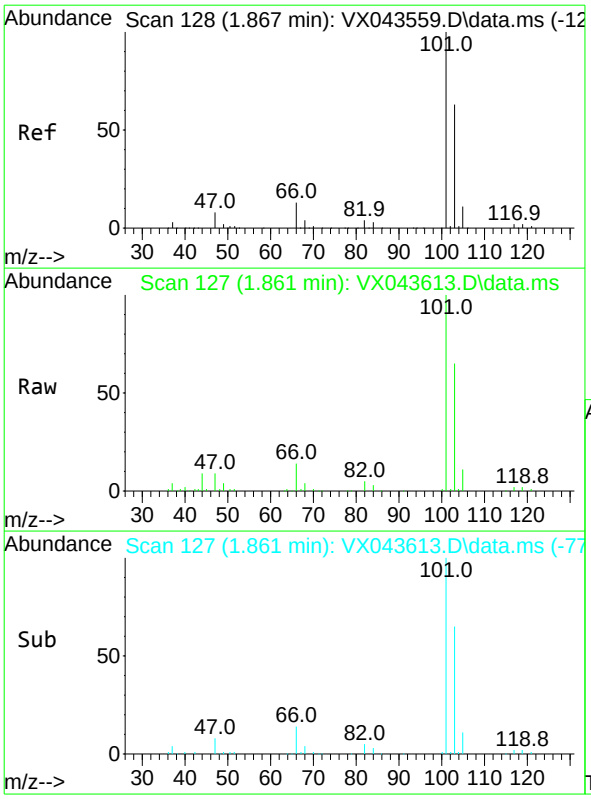


#6
Chloroethane
Concen: 17.740 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 64 Resp: 11760

Ion	Ratio	Lower	Upper
64	100		
66	36.0	25.1	37.7

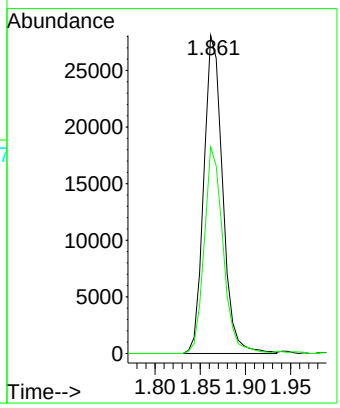




#7
Trichlorofluoromethane
Concen: 17.685 ug/l
RT: 1.861 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:101 Resp: 40651

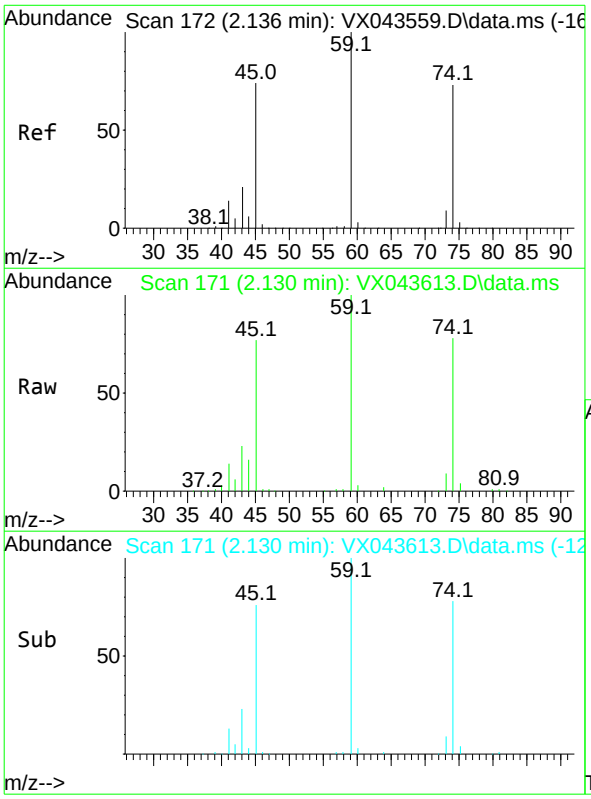
Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.3	76.9



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

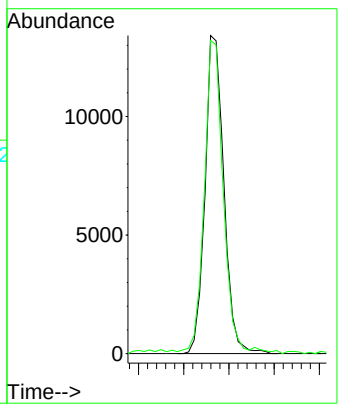
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

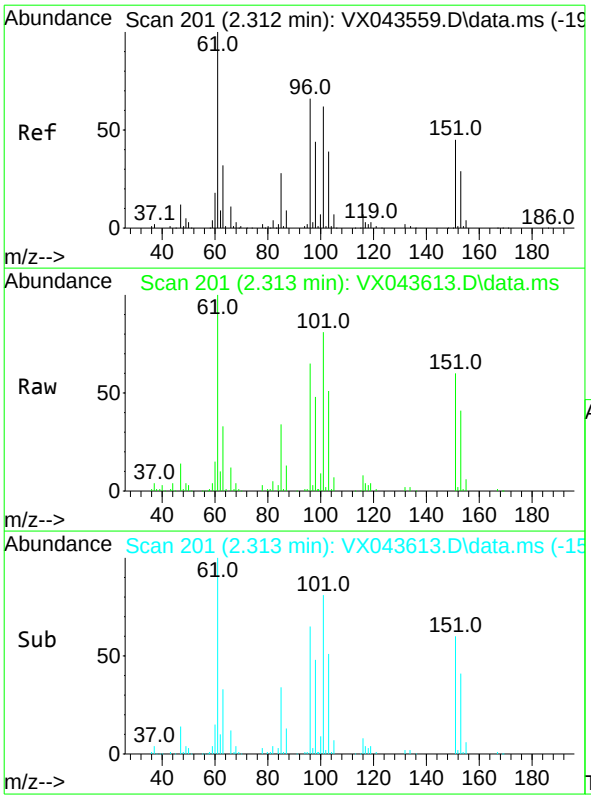


#8
Diethyl Ether
Concen: 18.264 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 74 Resp: 19398

Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.947 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

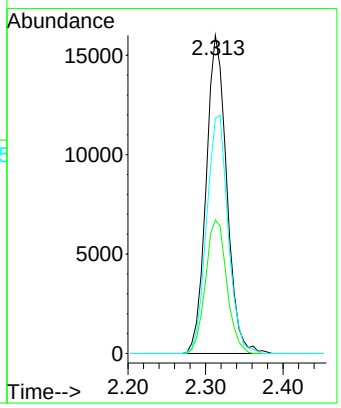
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

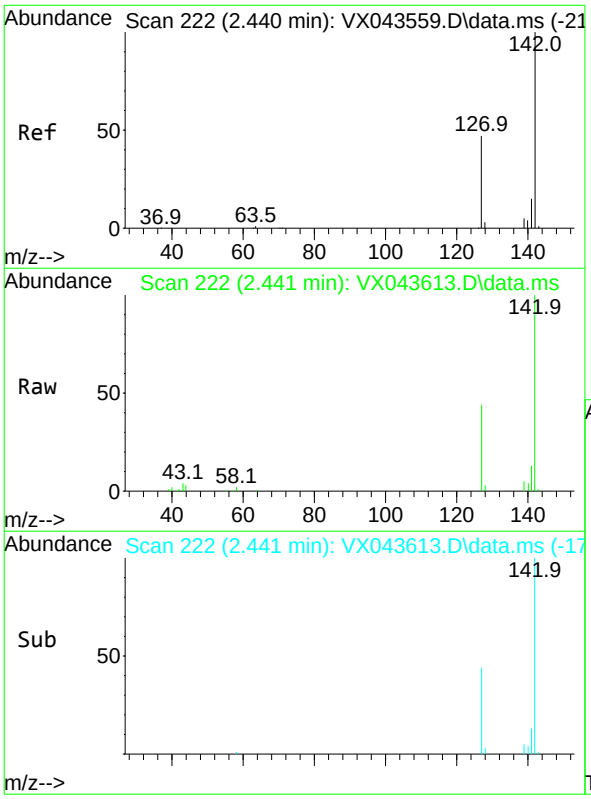
Tgt Ion:101 Resp: 29454

Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.5	51.7
151	78.2	58.2	87.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

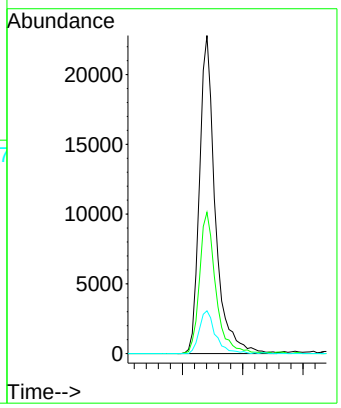


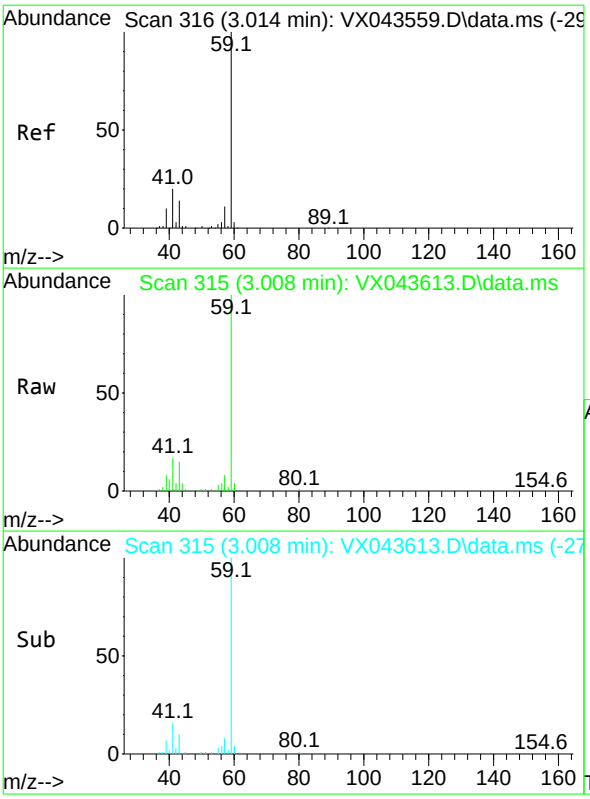


#10
Methyl Iodide
Concen: 18.431 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:142 Resp: 41395

Ion	Ratio	Lower	Upper
142	100		
127	45.6	38.2	57.4
141	13.8	11.5	17.3





#11
Tert butyl alcohol
Concen: 93.465 ug/l m
RT: 3.008 min Scan# 31
Delta R.T. -0.042 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

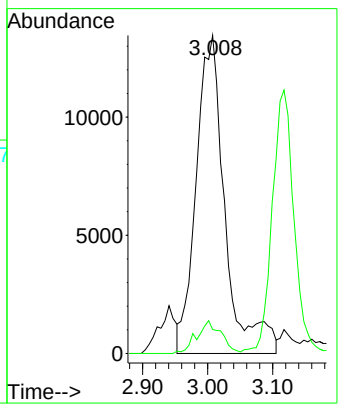
Tgt Ion: 59 Resp: 41254

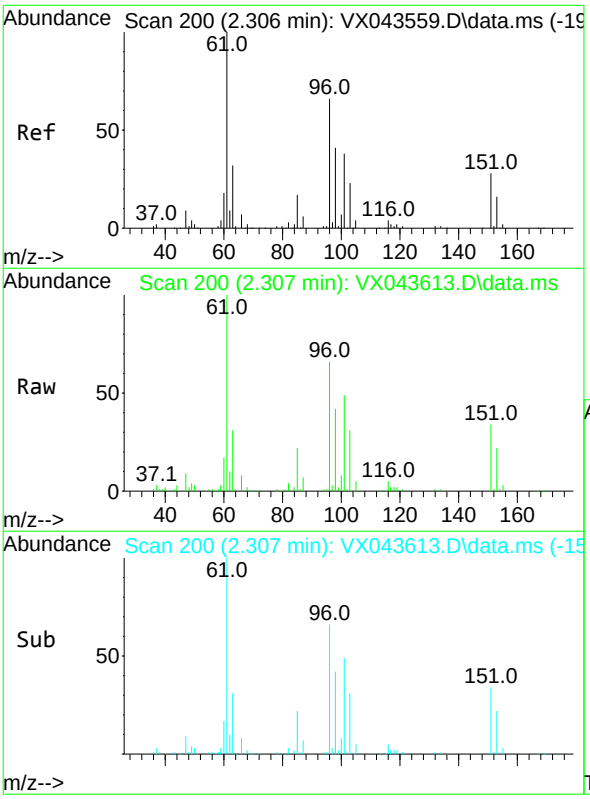
Ion	Ratio	Lower	Upper
59	100		
57	8.8	0.0	0.0#

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

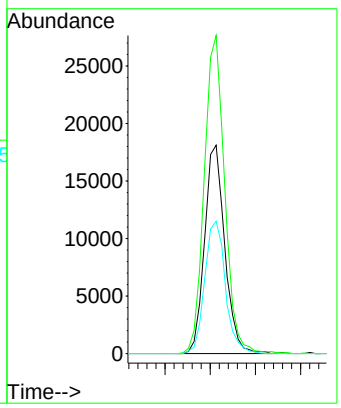


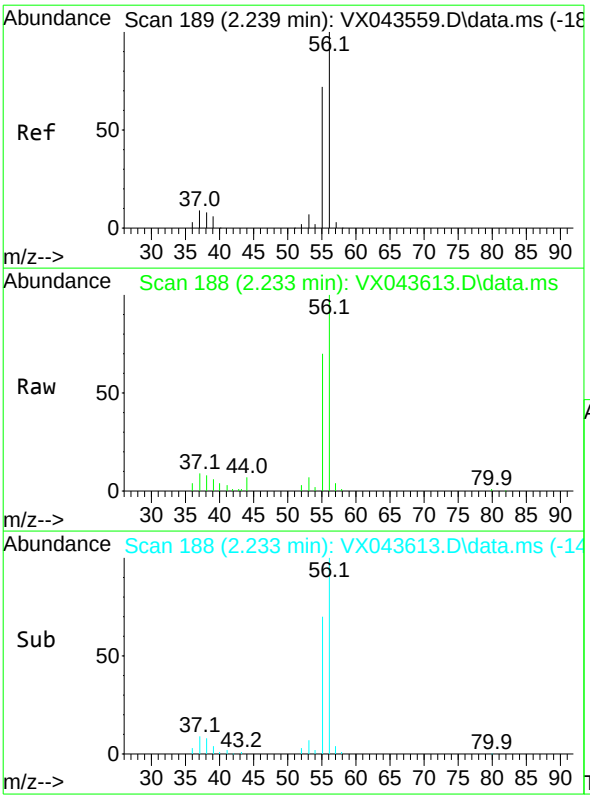


#12
1,1-Dichloroethene
Concen: 17.722 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 96 Resp: 28154

Ion	Ratio	Lower	Upper
96	100		
61	152.7	130.2	195.4
98	63.5	51.0	76.6

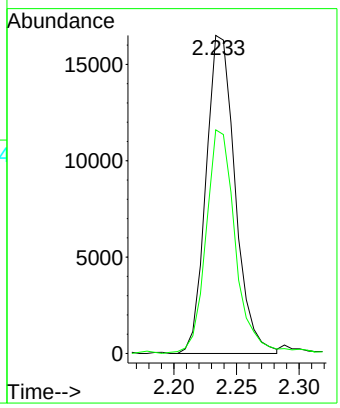




#13
Acrolein
Concen: 77.239 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 56 Resp: 26661

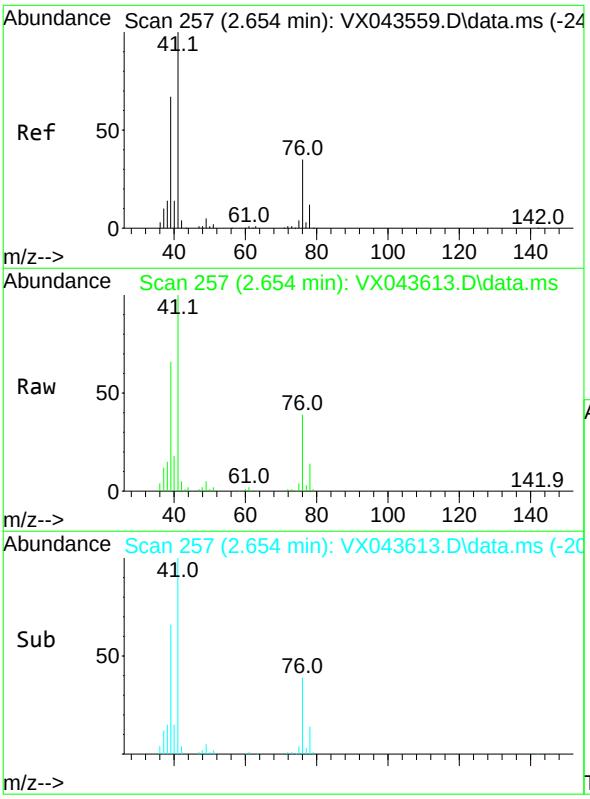
Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

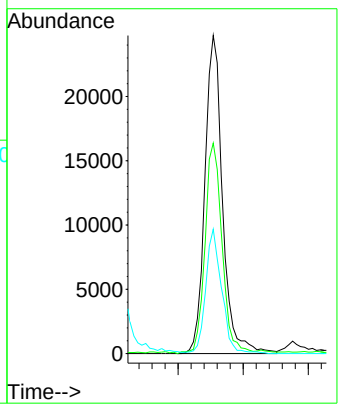
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

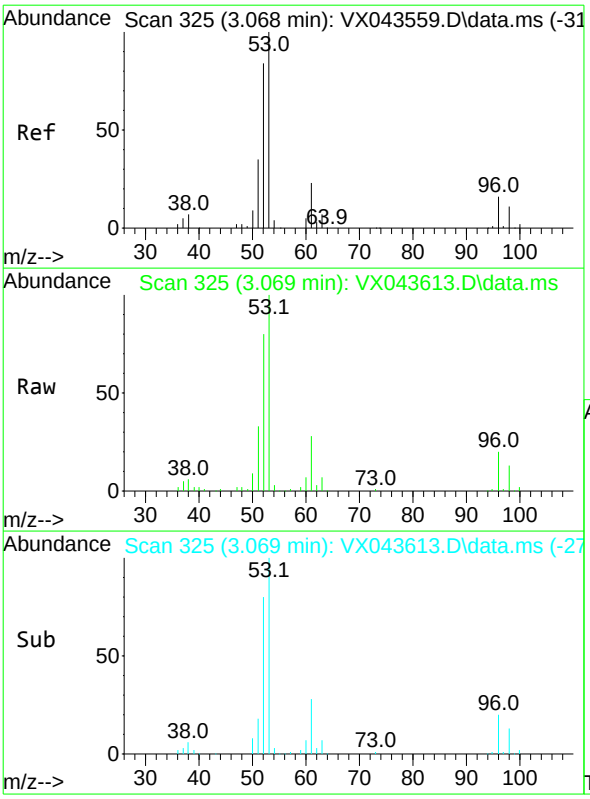


#14
Allyl chloride
Concen: 16.975 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 41 Resp: 46642

Ion	Ratio	Lower	Upper
41	100		
39	63.8	53.2	79.8
76	35.4	27.0	40.6

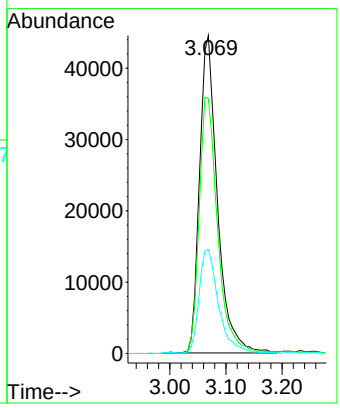




#15
Acrylonitrile
Concen: 98.870 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 53 Resp: 98528

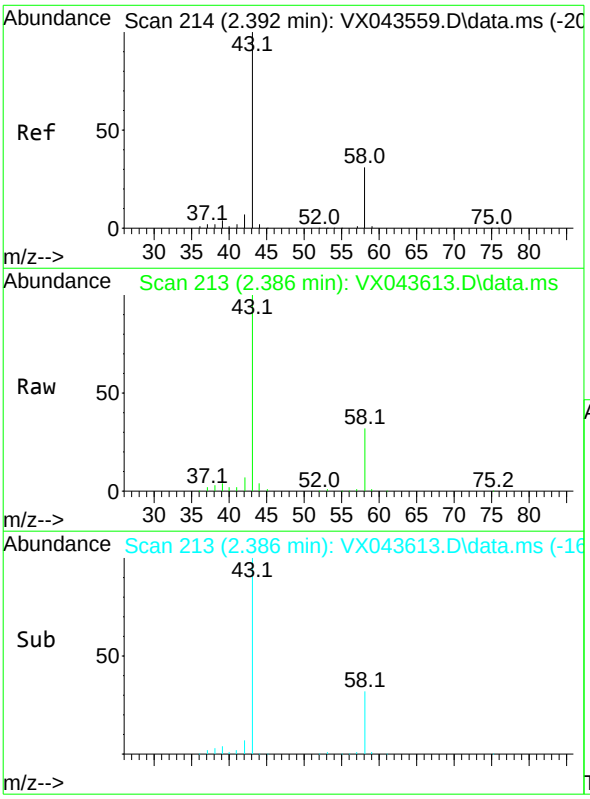
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.8	98.6
51	35.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

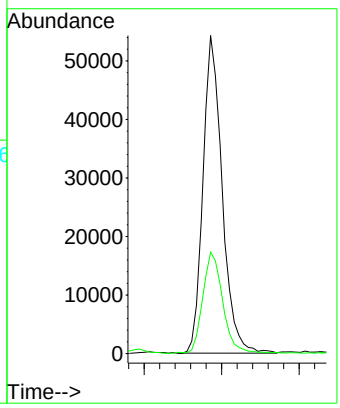
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

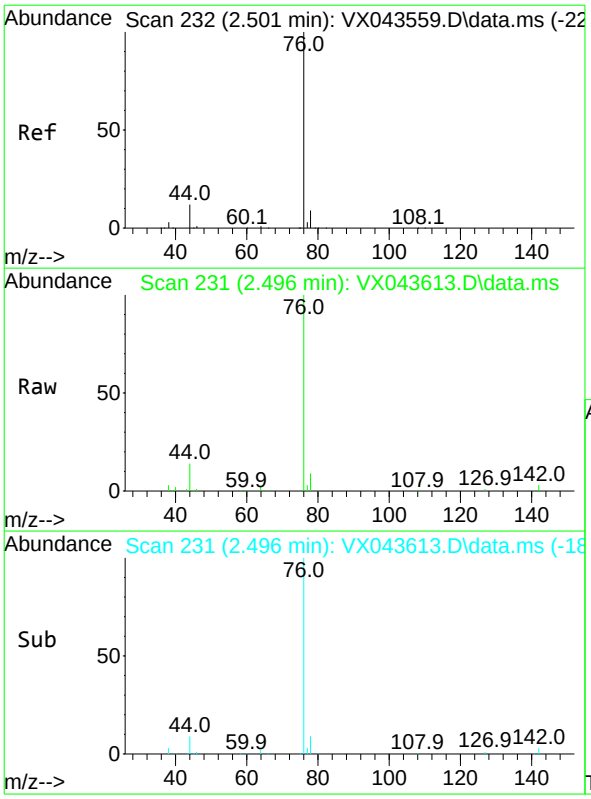


#16
Acetone
Concen: 99.457 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 93396

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.1	37.7

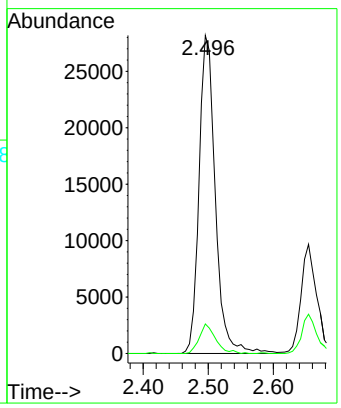




#17
Carbon Disulfide
Concen: 14.734 ug/l
RT: 2.496 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 76 Resp: 48946

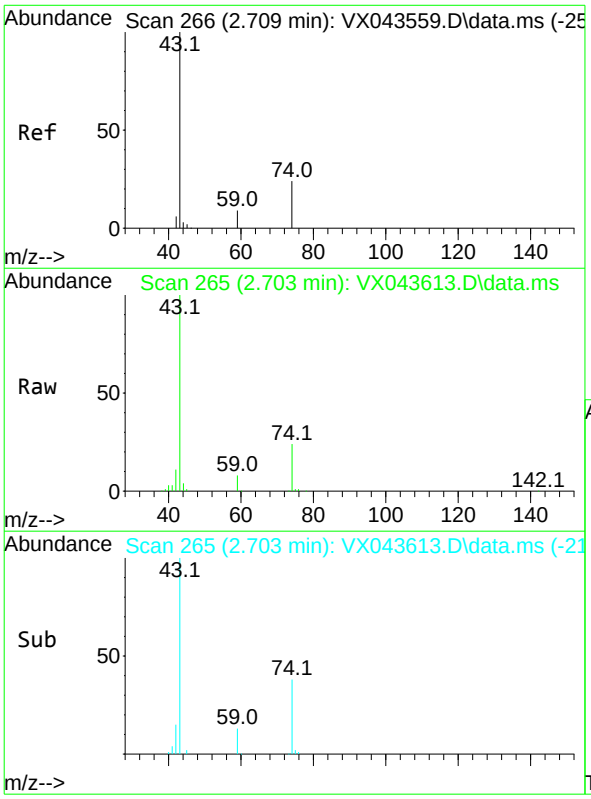
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

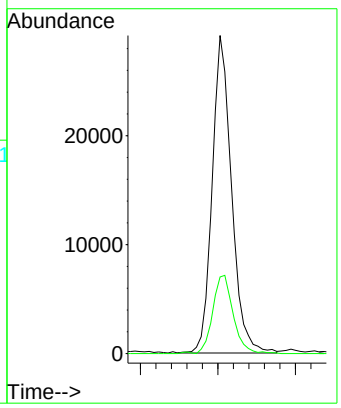
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

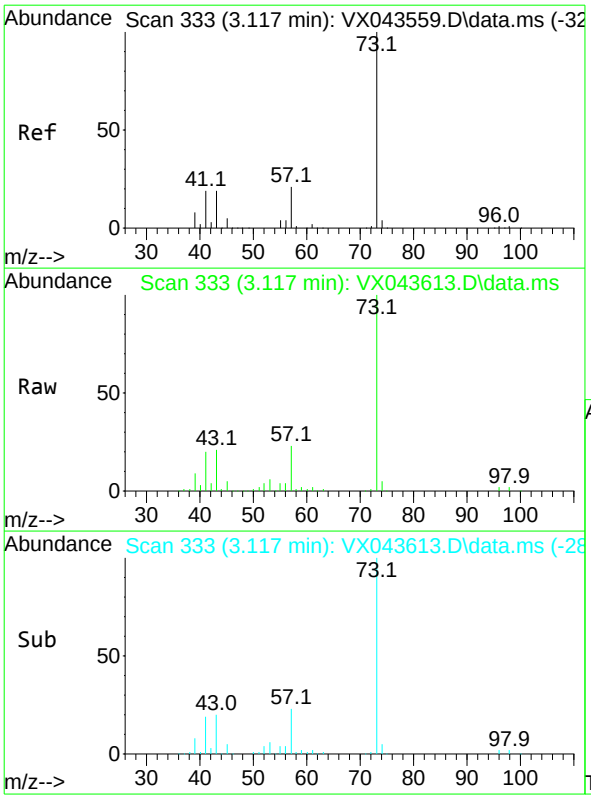


#18
Methyl Acetate
Concen: 18.453 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 50644

Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 18.837 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

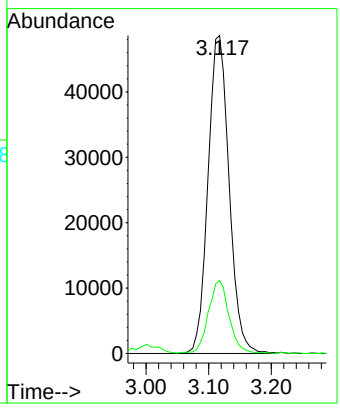
Tgt Ion: 73 Resp: 113805

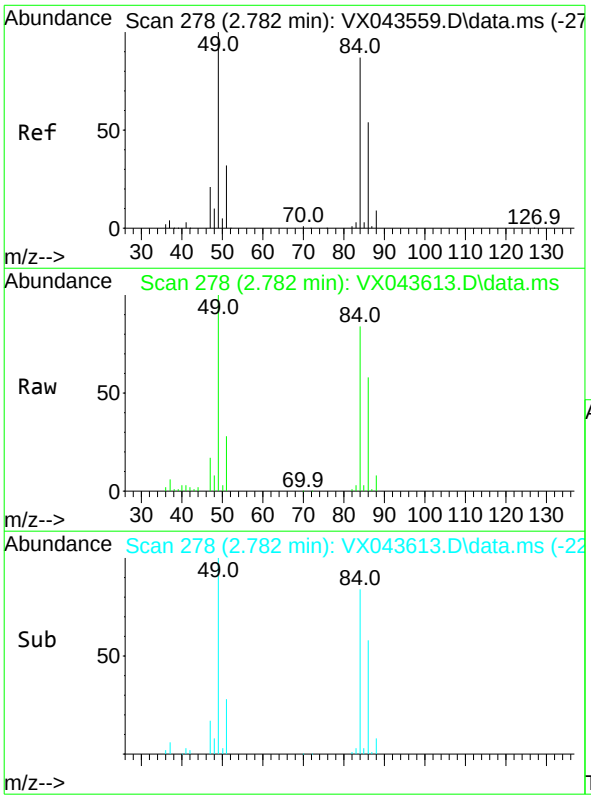
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

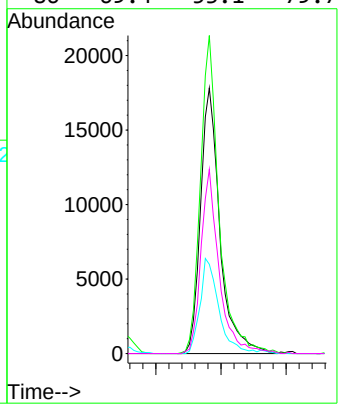


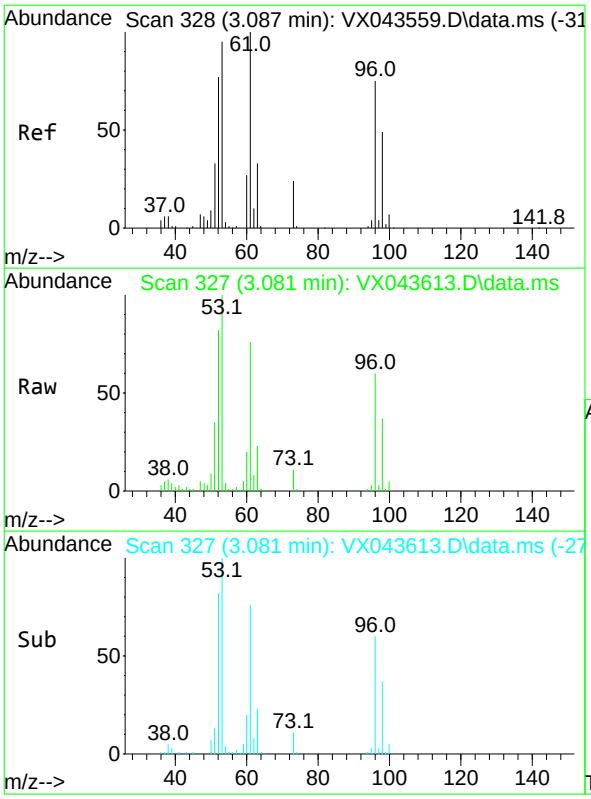


#20
Methylene Chloride
Concen: 18.230 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 84 Resp: 36896

Ion	Ratio	Lower	Upper
84	100		
49	119.7	97.0	145.6
51	33.6	29.8	44.8
86	69.4	53.1	79.7

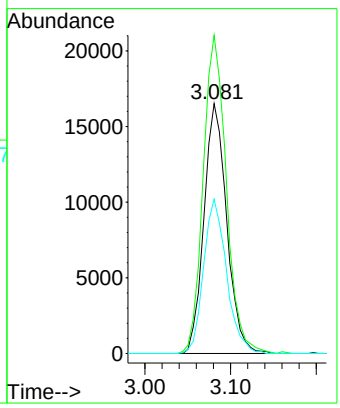




#21
trans-1,2-Dichloroethene
Concen: 18.189 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 96 Resp: 30527

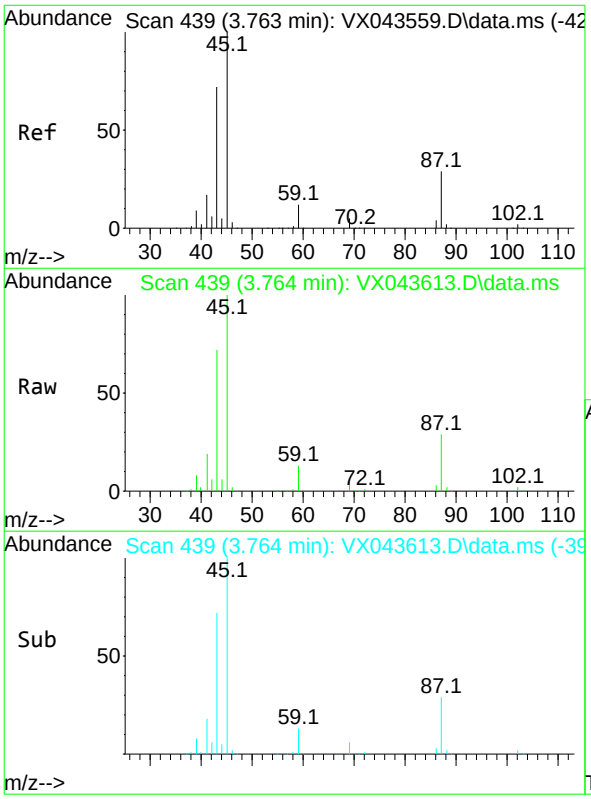
Ion	Ratio	Lower	Upper
96	100		
61	127.3	107.1	160.7
98	61.7	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

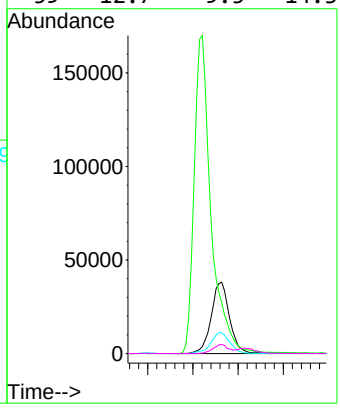
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

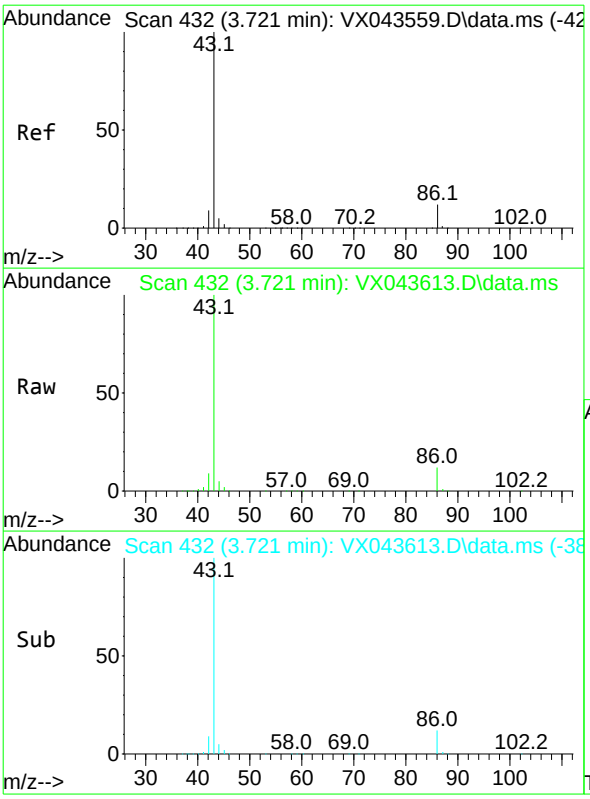


#22
Diisopropyl ether
Concen: 18.921 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 45 Resp: 107460

Ion	Ratio	Lower	Upper
45	100		
43	72.0	60.6	90.8
87	29.1	22.0	33.0
59	12.7	9.5	14.3





#23
Vinyl Acetate
Concen: 94.573 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

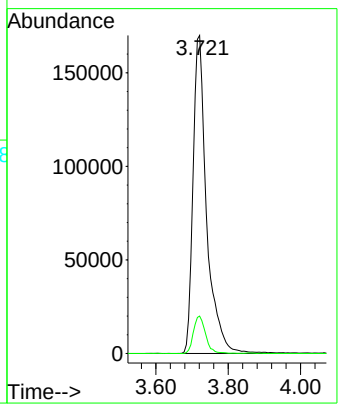
Tgt Ion: 43 Resp: 443752

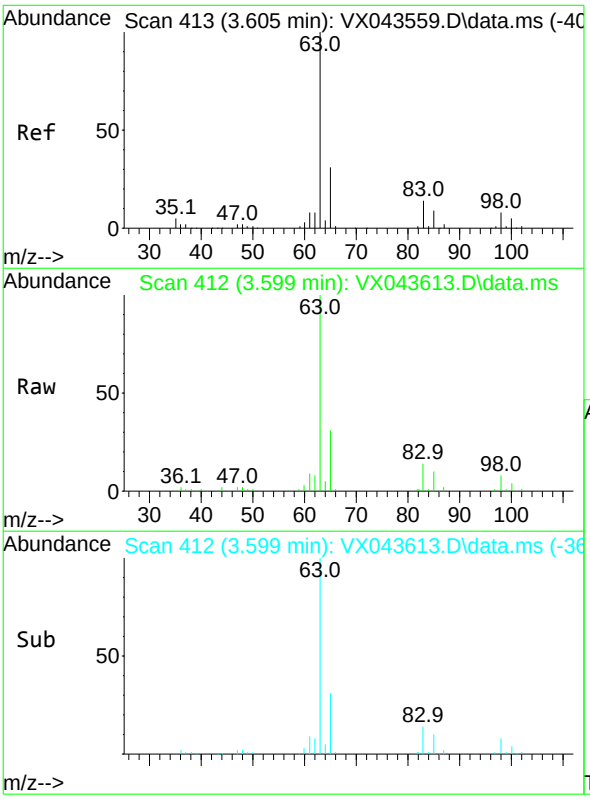
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

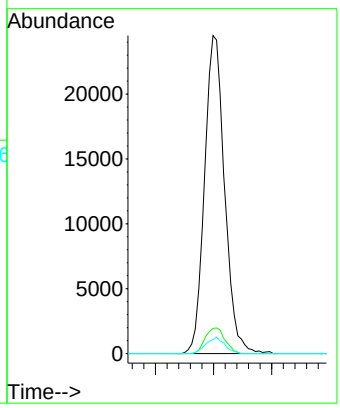


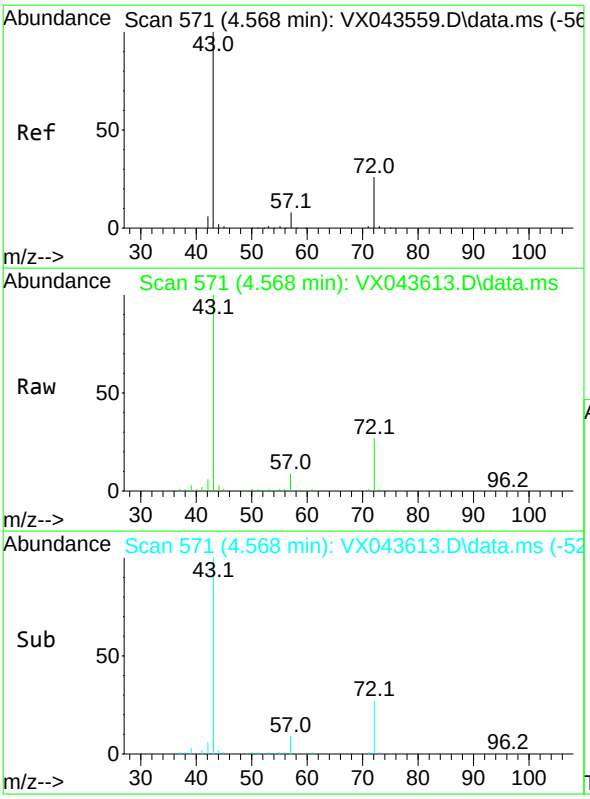


#24
1,1-Dichloroethane
Concen: 17.994 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 63 Resp: 58738

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.4
100	4.4	2.4	7.2

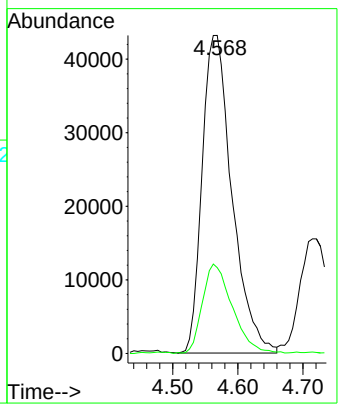




#25
2-Butanone
Concen: 100.482 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 137643

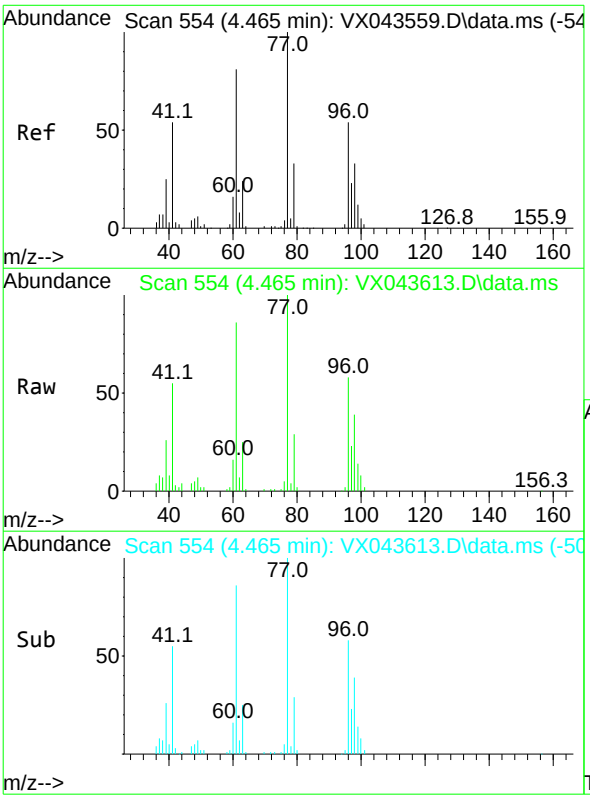
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.1	31.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

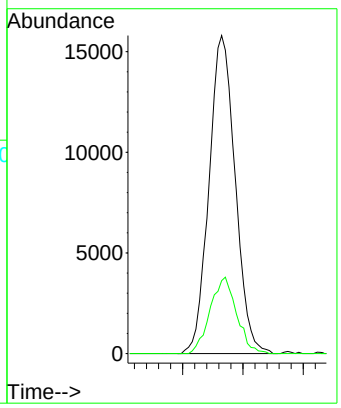
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

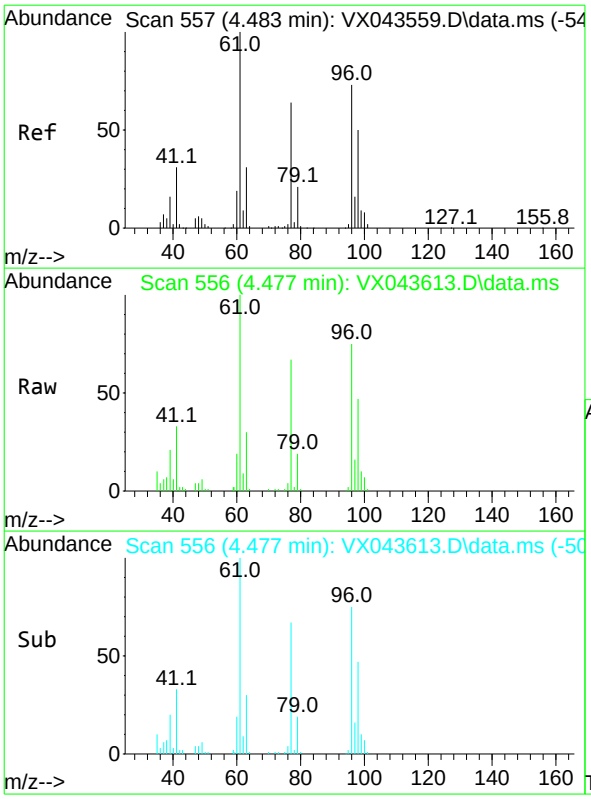


#26
2,2-Dichloropropane
Concen: 17.844 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 77 Resp: 47680

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.6	34.8

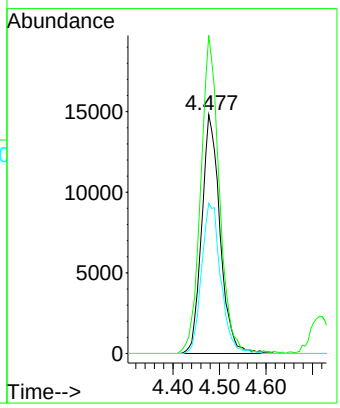




#27
cis-1,2-Dichloroethene
Concen: 18.882 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 96 Resp: 40483

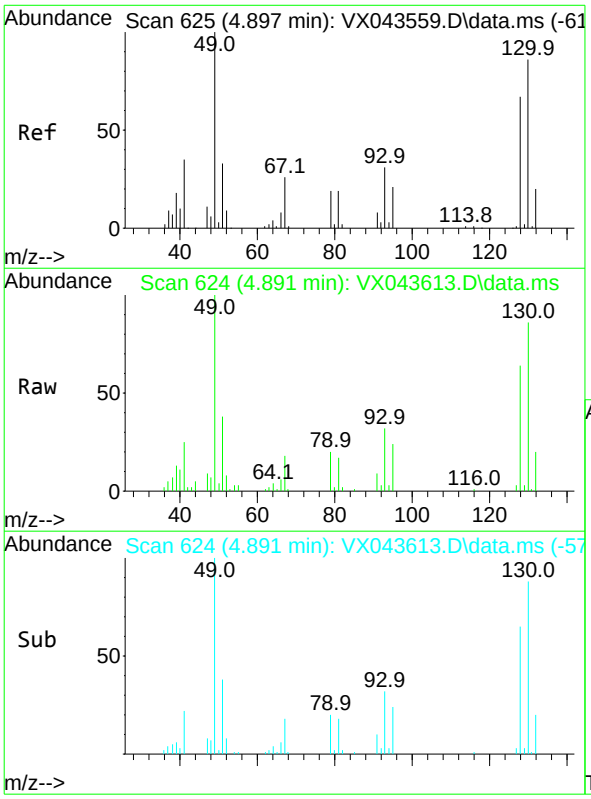
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	277.2
98	65.8	0.0	131.6



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

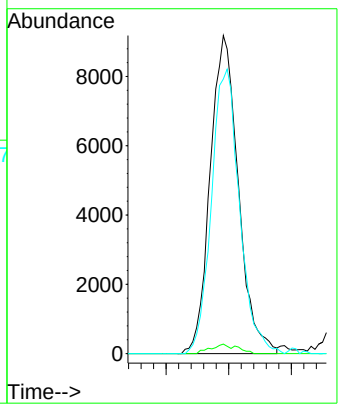
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

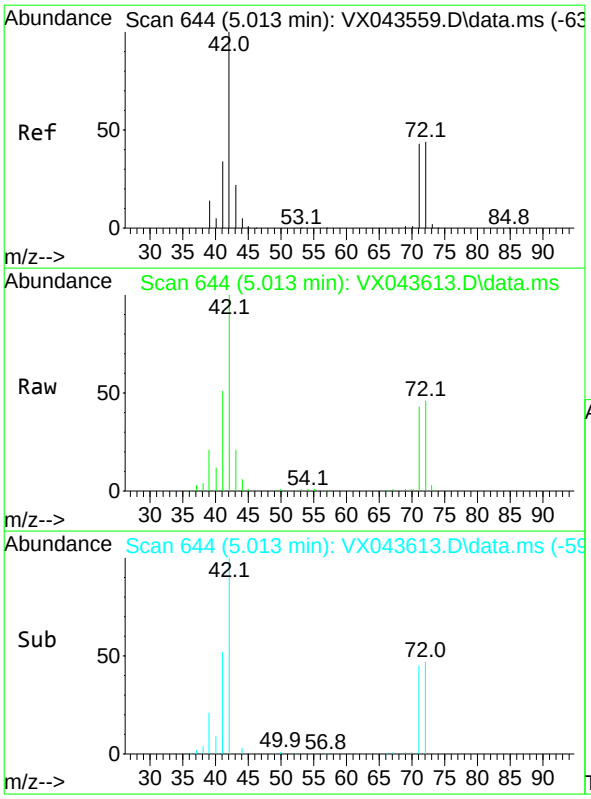


#28
Bromochloromethane
Concen: 18.463 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 49 Resp: 28671

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	89.0	67.8	101.8

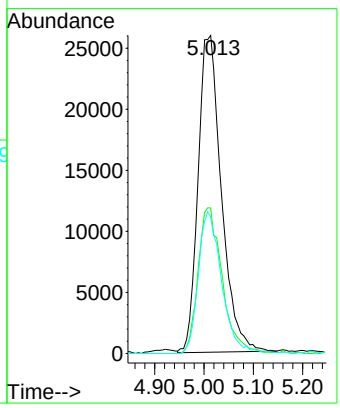




#29
Tetrahydrofuran
Concen: 95.744 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 42 Resp: 85231

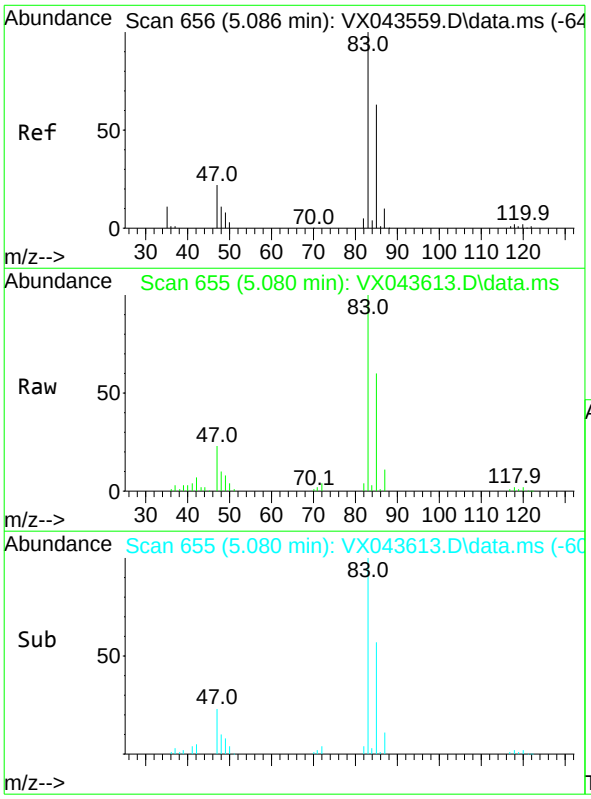
Ion	Ratio	Lower	Upper
42	100		
72	47.6	36.6	55.0
71	44.6	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

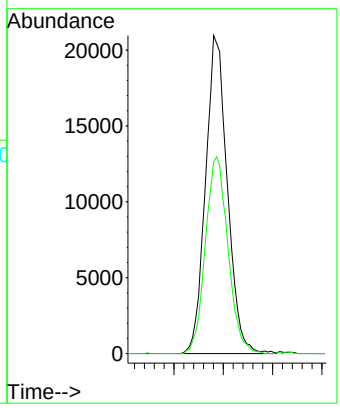
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

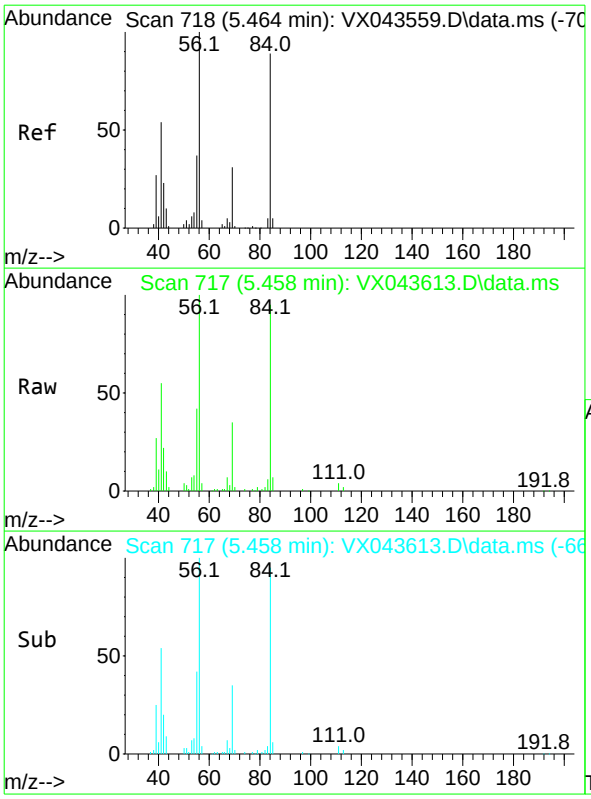


#30
Chloroform
Concen: 18.820 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.012 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 83 Resp: 64399

Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.2	78.4





#31
Cyclohexane
Concen: 18.042 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

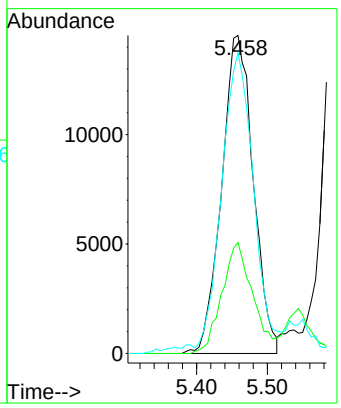
Tgt Ion: 56 Resp: 45048

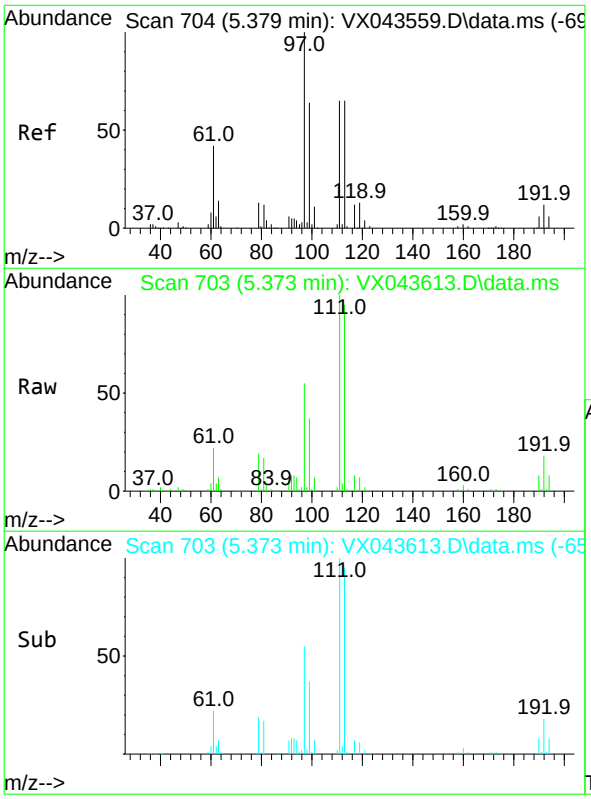
Ion	Ratio	Lower	Upper
56	100		
69	34.9	24.9	37.3
84	92.7	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

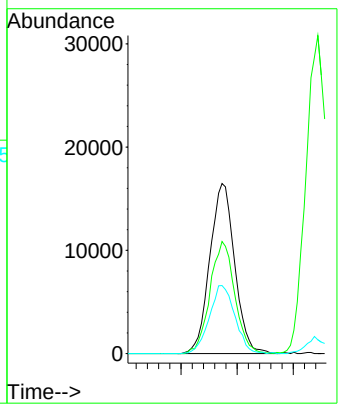


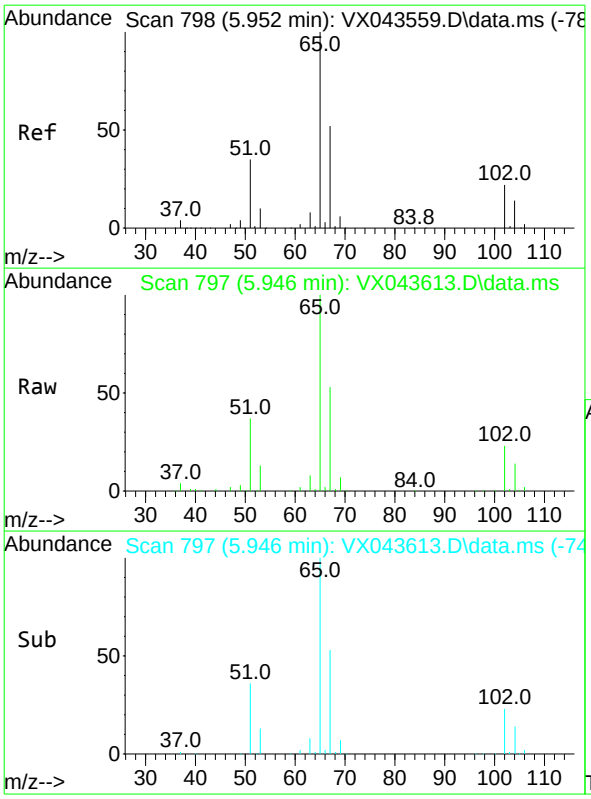


#32
1,1,1-Trichloroethane
Concen: 17.662 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 97 Resp: 50740

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	41.1	34.0	51.0

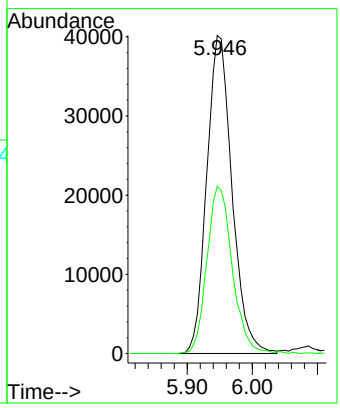




#33
1,2-Dichloroethane-d4
Concen: 45.760 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 65 Resp: 108212

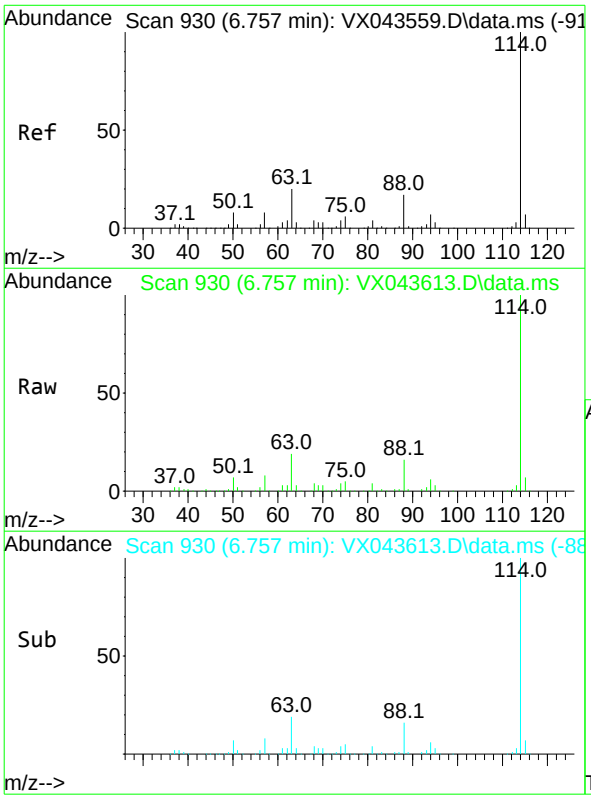
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

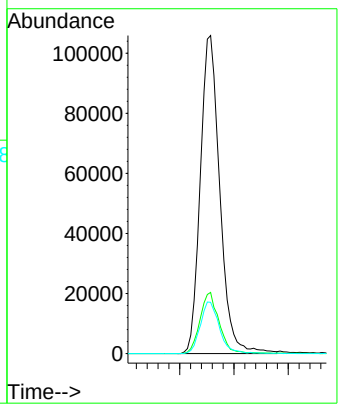
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

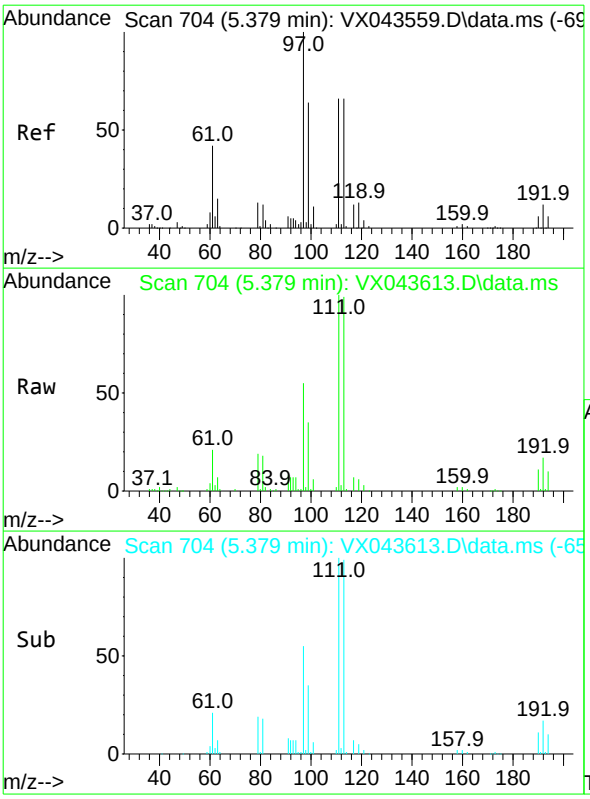


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:114 Resp: 264784

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	16.1	0.0	34.0

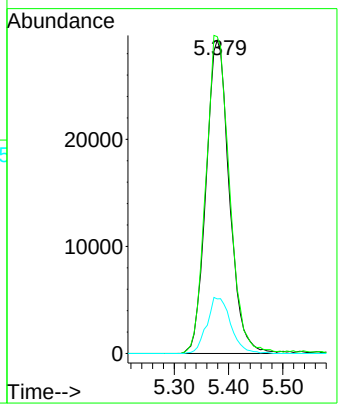




#35
Dibromofluoromethane
Concen: 48.469 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:113 Resp: 87025

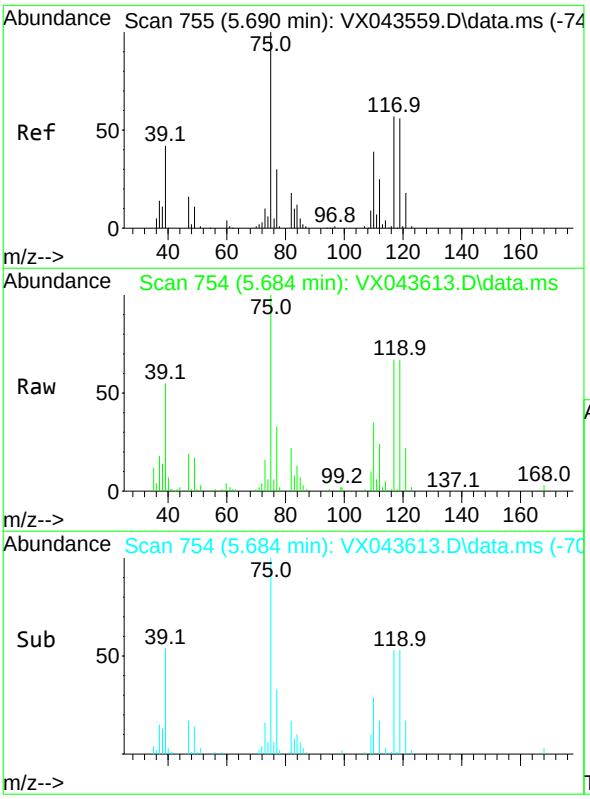
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.0
192	18.3	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

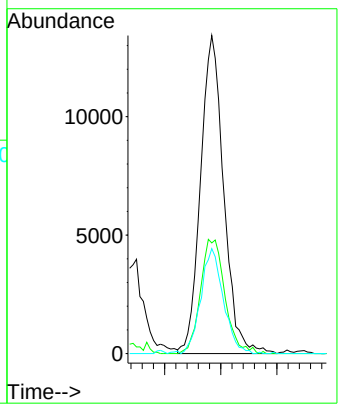
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

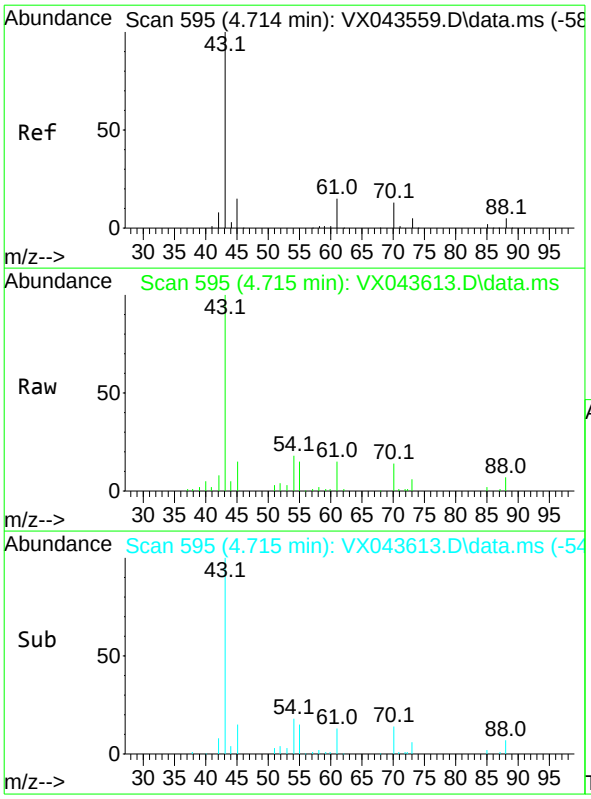


#36
1,1-Dichloropropene
Concen: 18.092 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 38518

Ion	Ratio	Lower	Upper
75	100		
110	37.9	17.9	53.7
77	32.2	25.0	37.4





#37
Ethyl Acetate
Concen: 19.981 ug/l
RT: 4.715 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

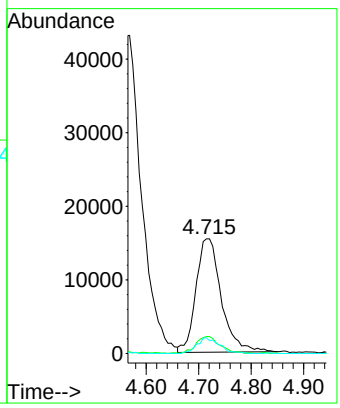
Tgt Ion: 43 Resp: 51646

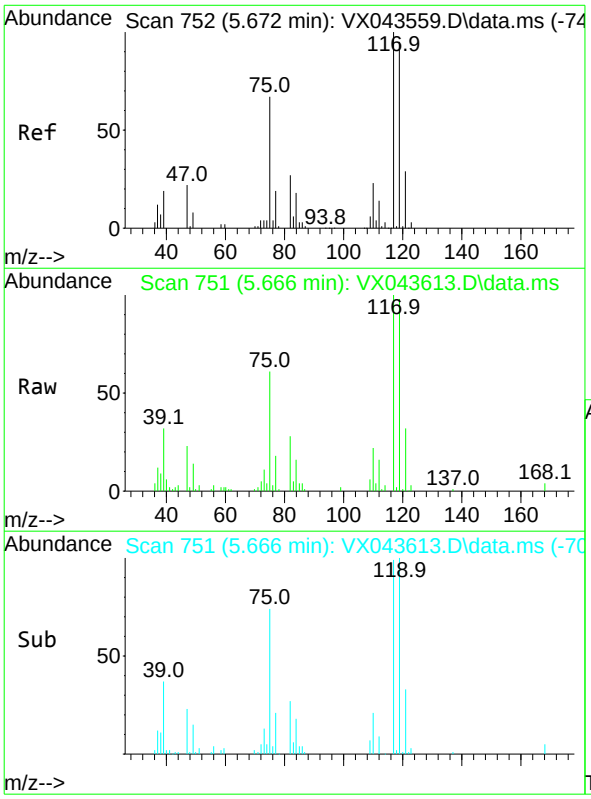
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.6
70	12.3	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

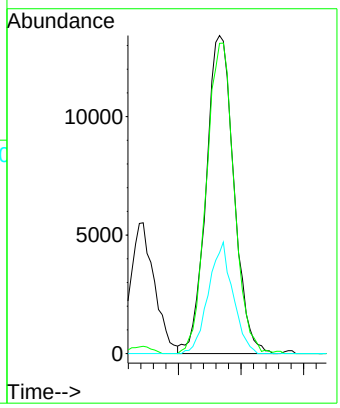


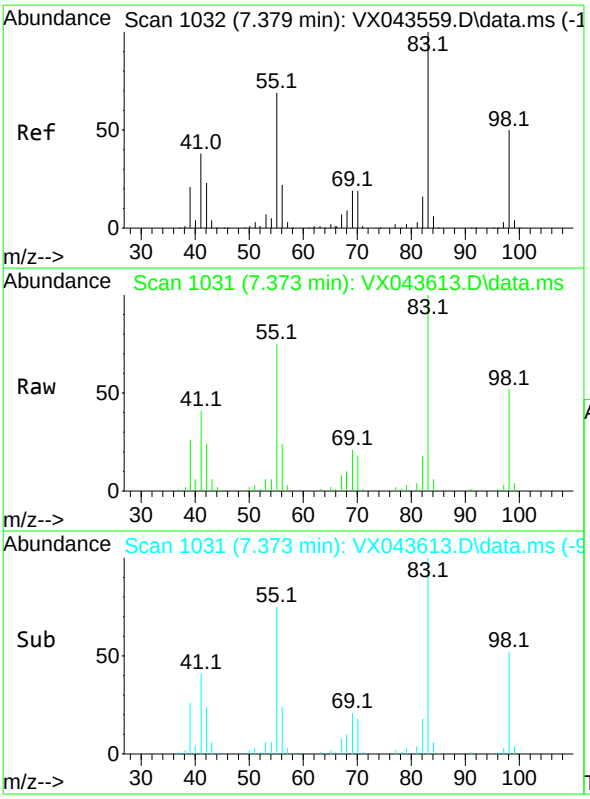


#38
Carbon Tetrachloride
Concen: 17.571 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:117 Resp: 41334

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.0	115.6
121	31.7	24.7	37.1

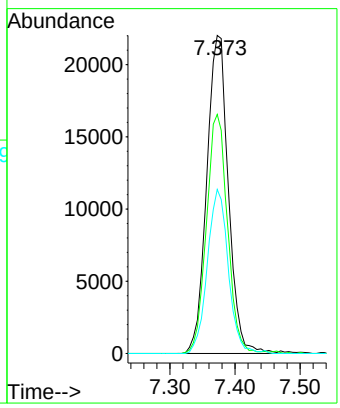




#39
Methylcyclohexane
Concen: 19.212 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 83 Resp: 50783

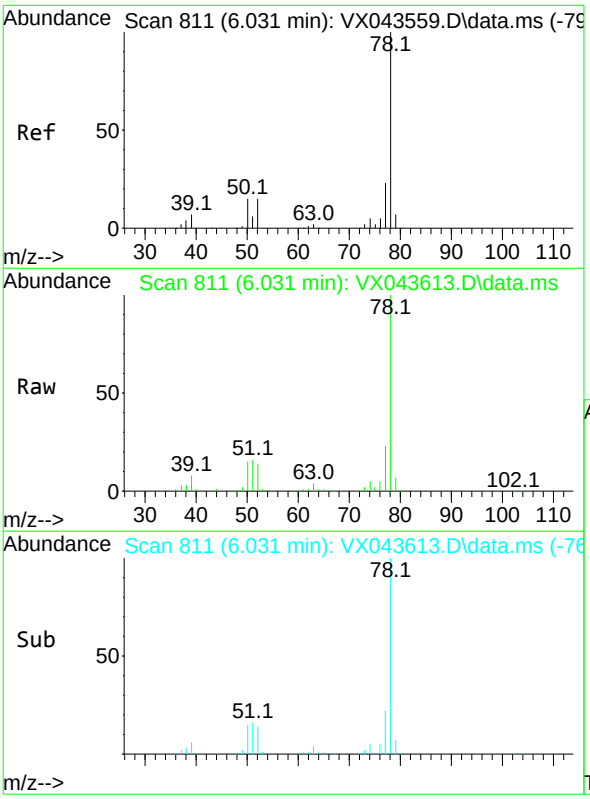
Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.9	89.9
98	51.6	41.3	61.9



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

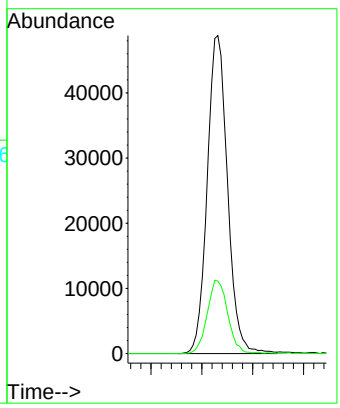
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

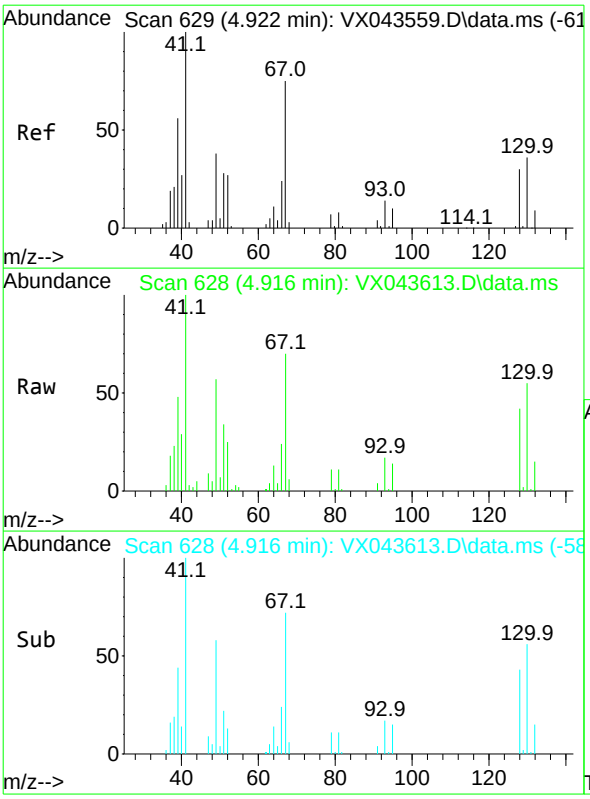


#40
Benzene
Concen: 19.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 78 Resp: 135317

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6

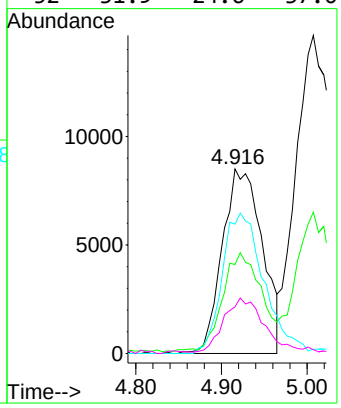




#41
Methacrylonitrile
Concen: 20.345 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 41 Resp: 27603

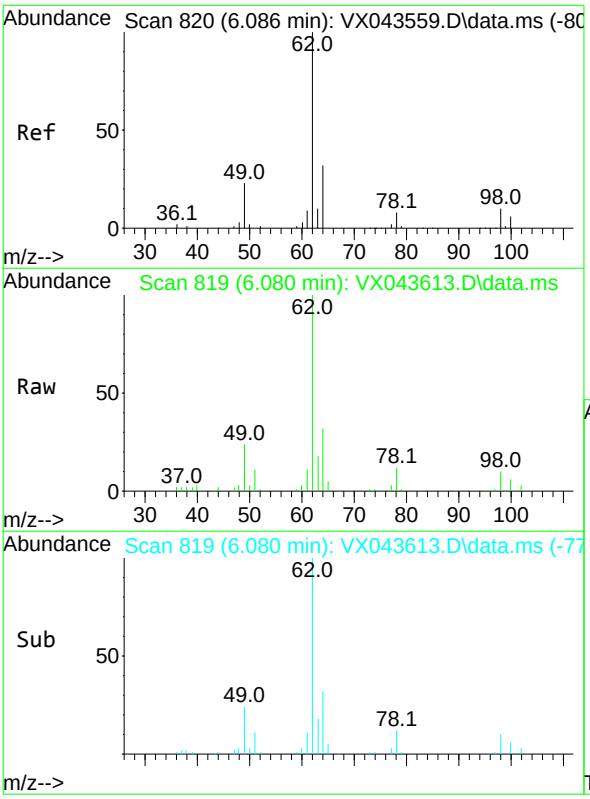
Ion	Ratio	Lower	Upper
41	100		
39	52.2	43.5	65.3
67	79.2	58.3	87.5
52	31.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

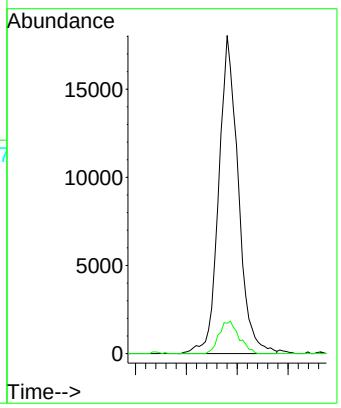
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

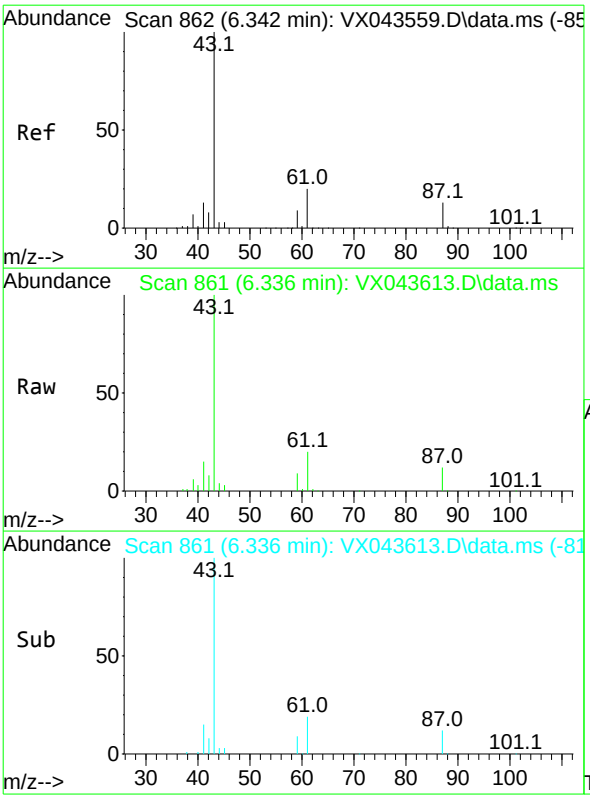


#42
1,2-Dichloroethane
Concen: 18.866 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 62 Resp: 48172

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8

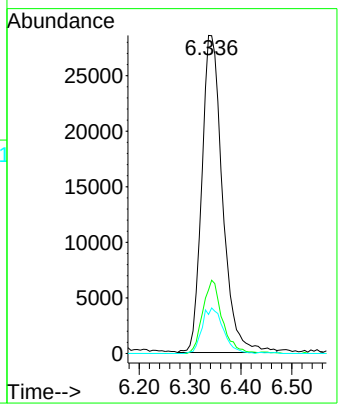




#43
Isopropyl Acetate
Concen: 18.875 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 80680

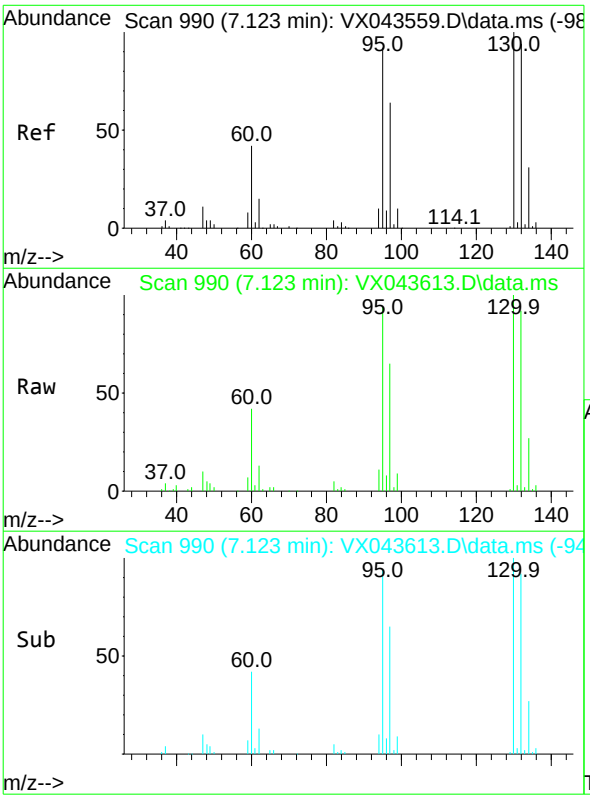
Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.2	24.4
87	14.7	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

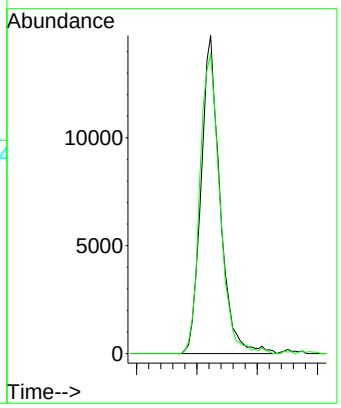
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

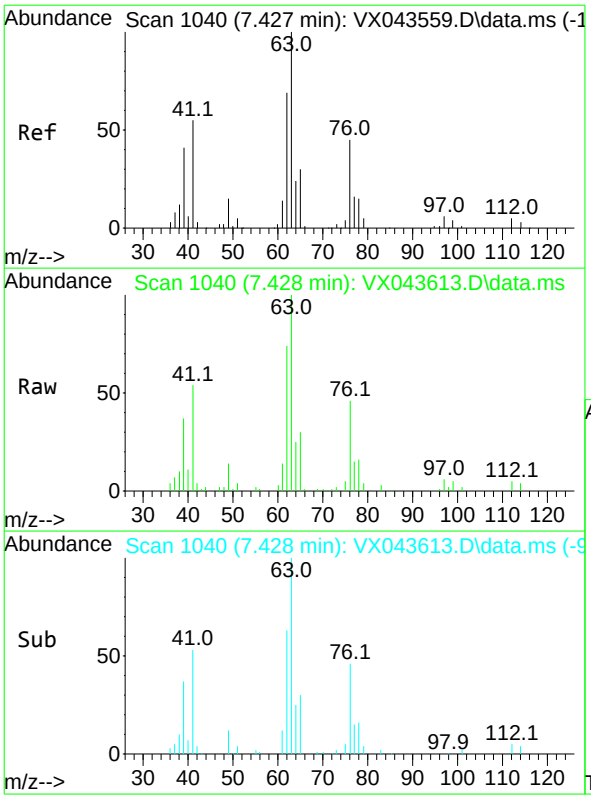


#44
Trichloroethene
Concen: 18.233 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:130 Resp: 32171

Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	202.6

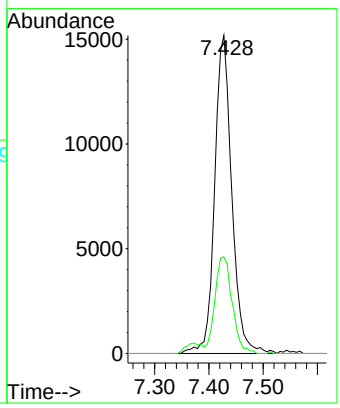




#45
1,2-Dichloropropane
Concen: 19.042 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 63 Resp: 33302

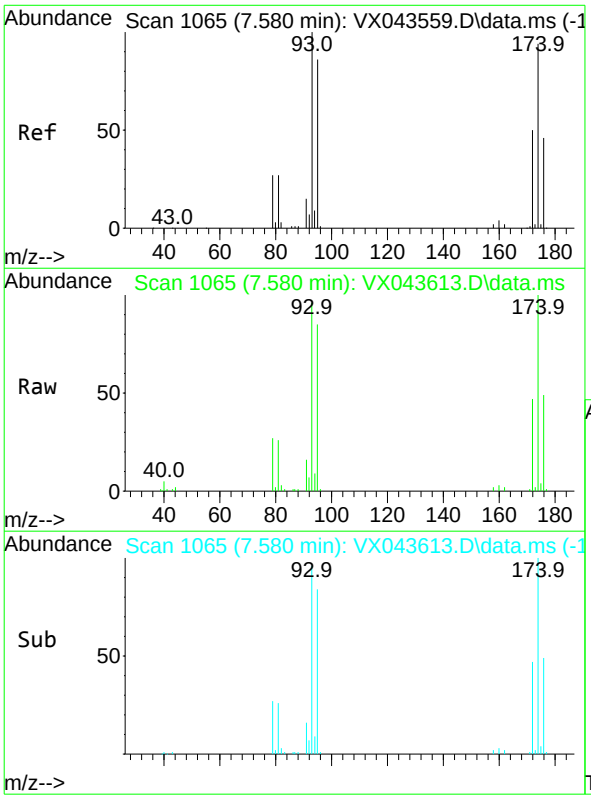
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

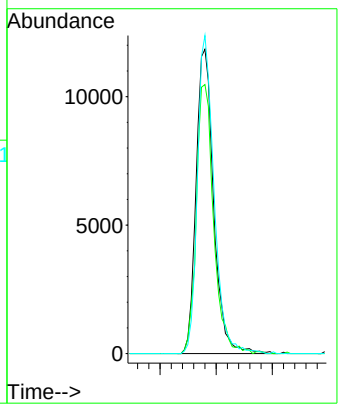
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

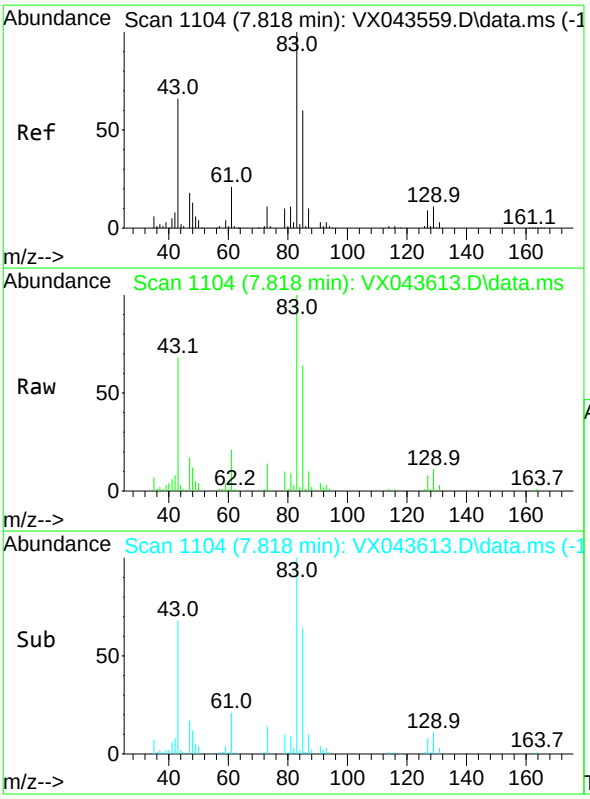


#46
Dibromomethane
Concen: 19.140 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 93 Resp: 25774

Ion	Ratio	Lower	Upper
93	100		
95	86.9	66.4	99.6
174	98.7	75.0	112.4

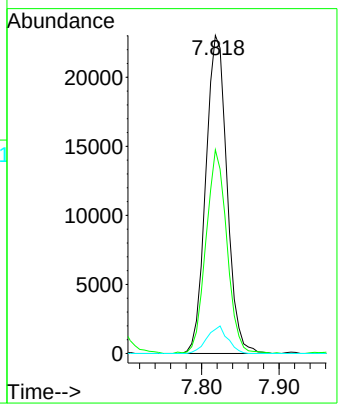




#47
Bromodichloromethane
Concen: 18.529 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 83 Resp: 43771

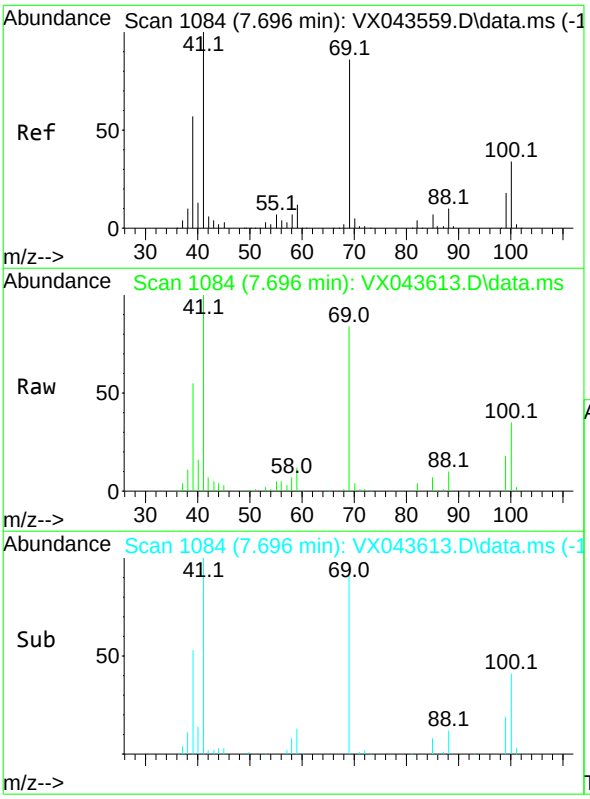
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	7.6	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

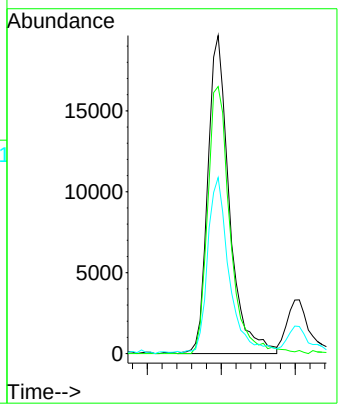
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

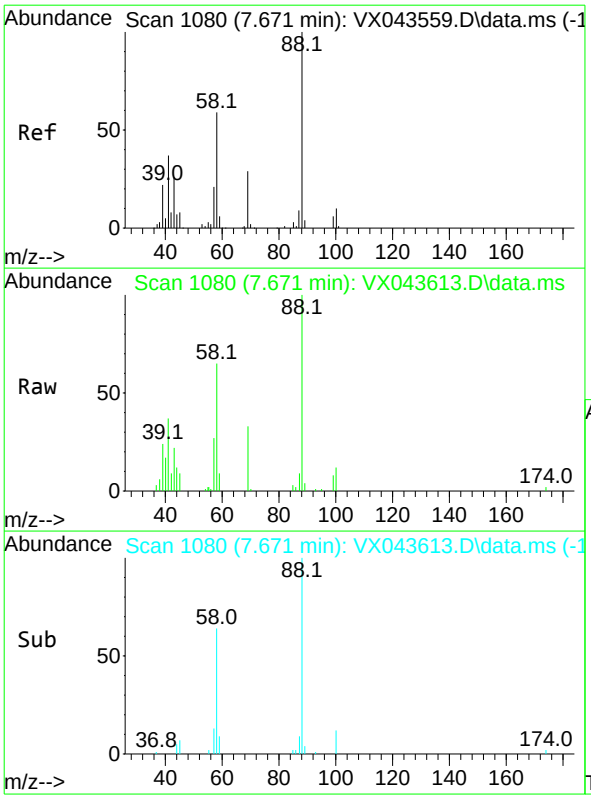


#48
Methyl methacrylate
Concen: 19.653 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 41 Resp: 39830

Ion	Ratio	Lower	Upper
41	100		
69	87.0	67.7	101.5
39	53.9	46.3	69.5

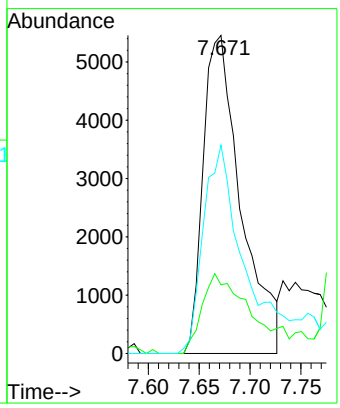




#49
1,4-Dioxane
Concen: 339.602 ug/l
RT: 7.671 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 88 Resp: 14140

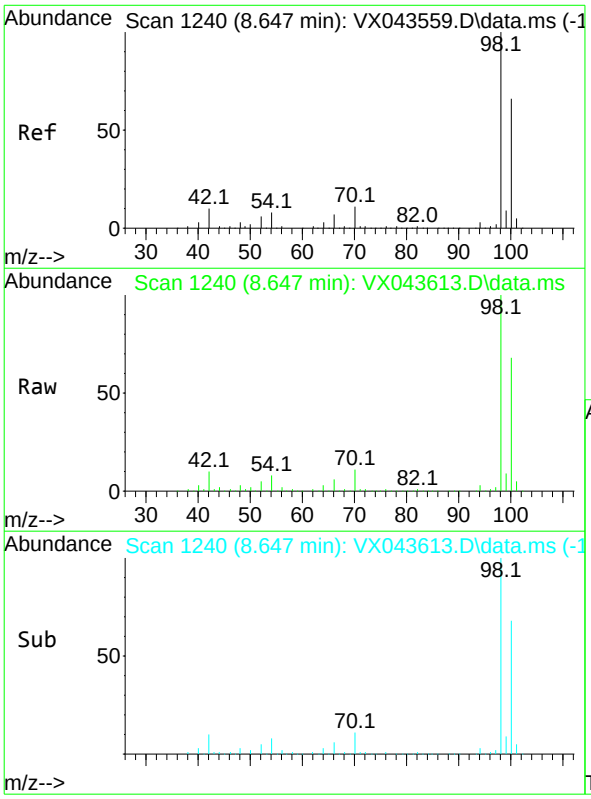
Ion	Ratio	Lower	Upper
88	100		
43	35.4	25.3	37.9
58	69.7	53.9	80.9



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

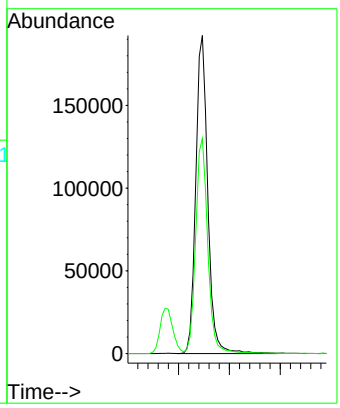
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

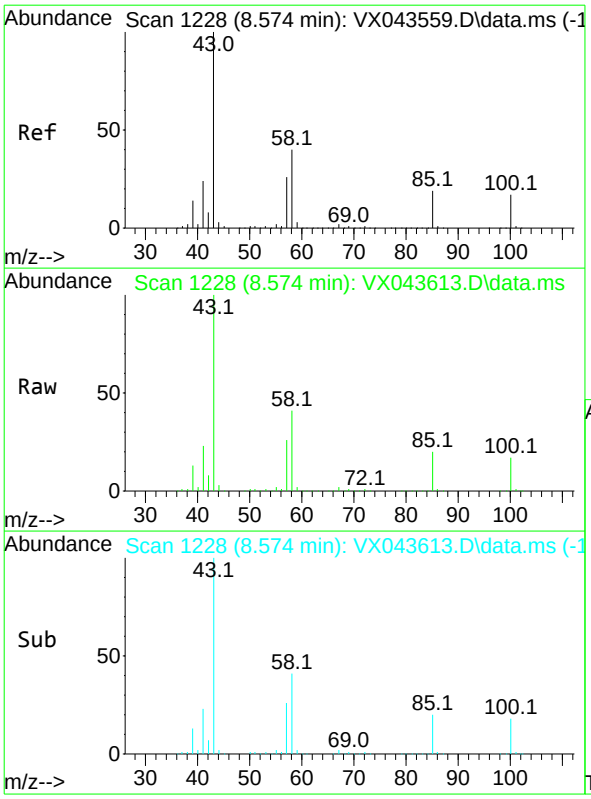


#50
Toluene-d8
Concen: 50.612 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 98 Resp: 314569

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.2





#51
4-Methyl-2-Pentanone
Concen: 103.625 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

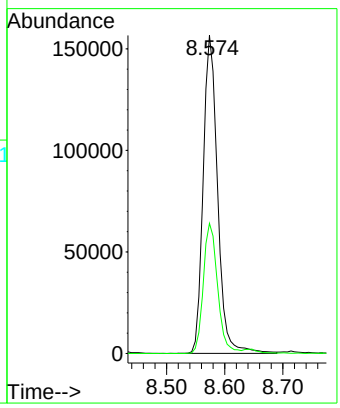
Tgt Ion: 43 Resp: 269977

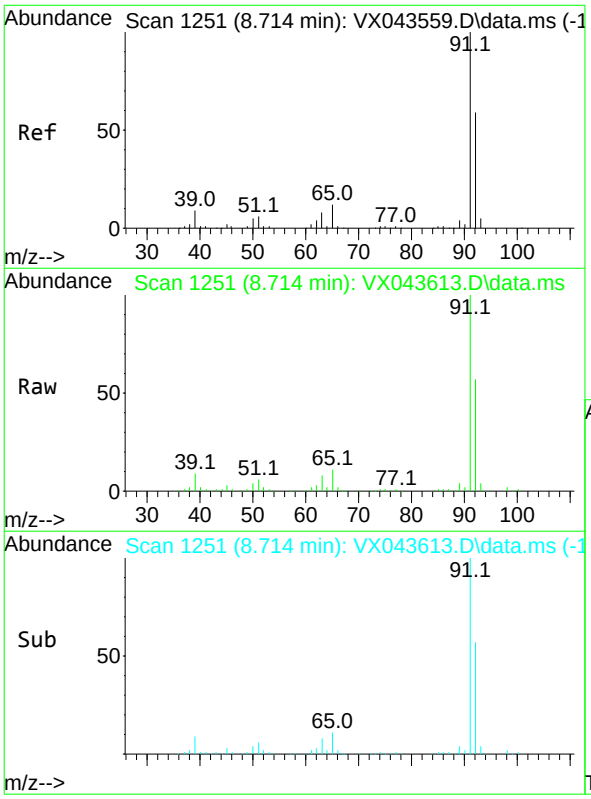
Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.7	47.5

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

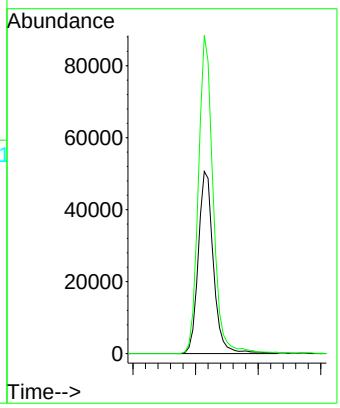


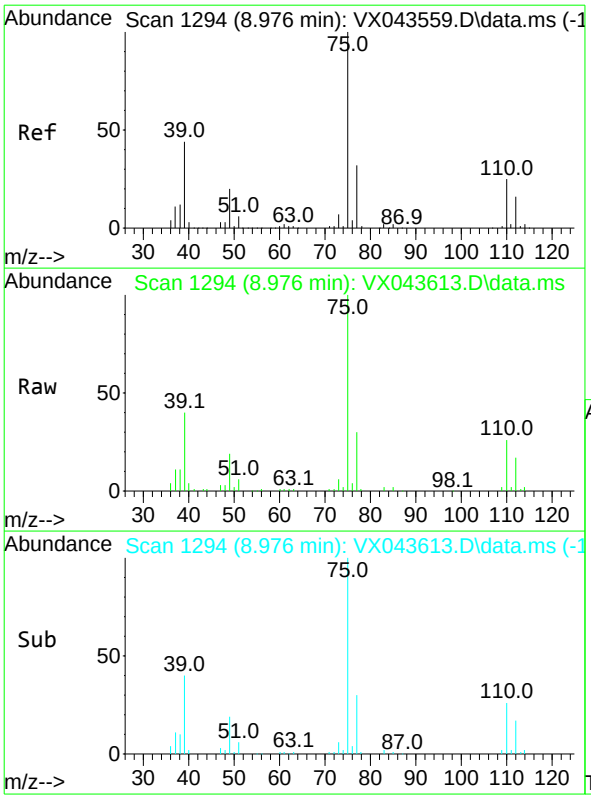


#52
Toluene
Concen: 19.702 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 92 Resp: 84865

Ion	Ratio	Lower	Upper
92	100		
91	170.7	135.7	203.5

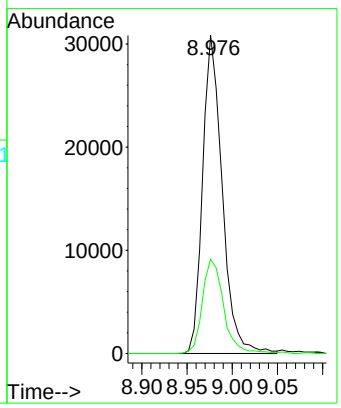




#53
t-1,3-Dichloropropene
Concen: 18.322 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 46488

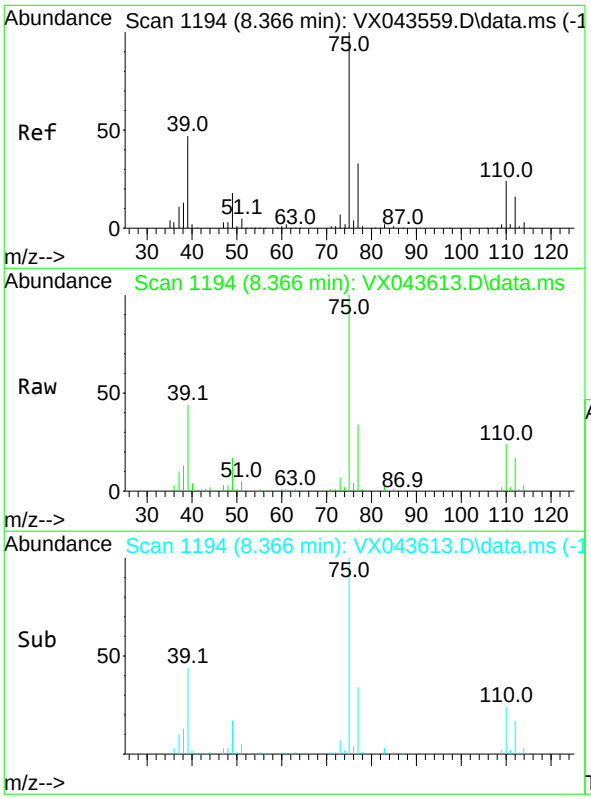
Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

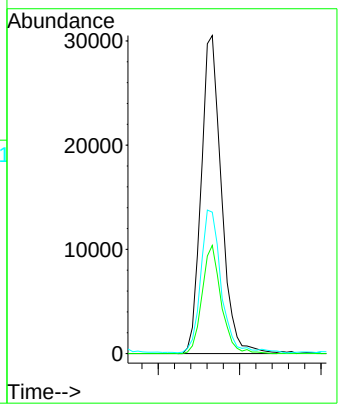
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

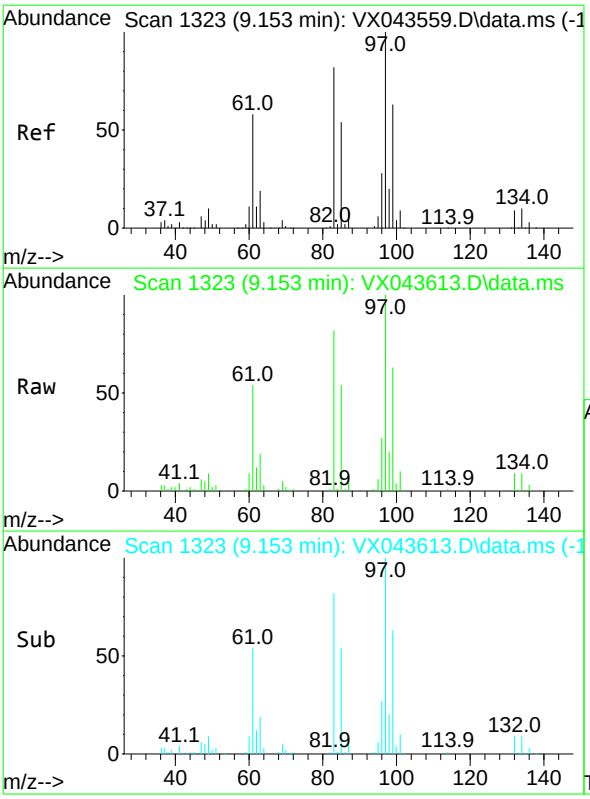


#54
cis-1,3-Dichloropropene
Concen: 19.511 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 52745

Ion	Ratio	Lower	Upper
75	100		
77	34.0	24.8	37.2
39	44.2	37.7	56.5





#55
1,1,2-Trichloroethane
Concen: 20.499 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

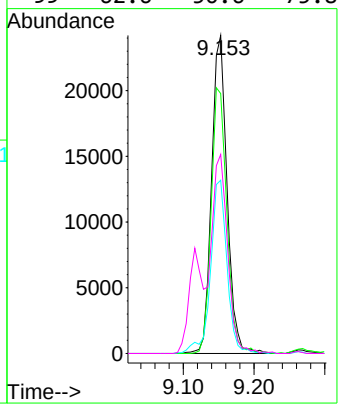
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

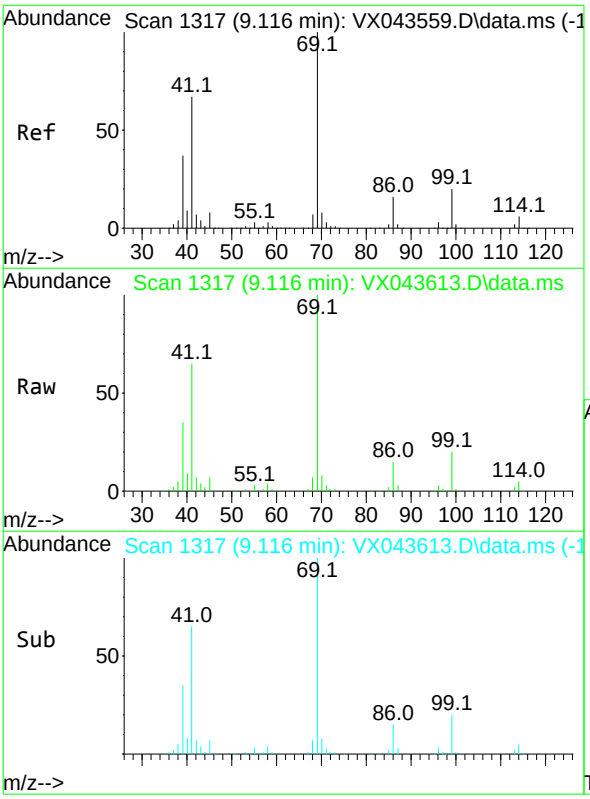
Tgt Ion: 97 Resp: 36754

Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.3	100.9
85	54.5	43.6	65.4
99	62.6	50.6	75.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

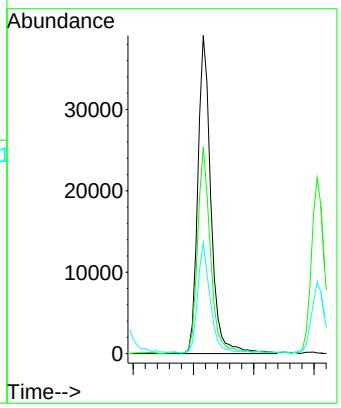


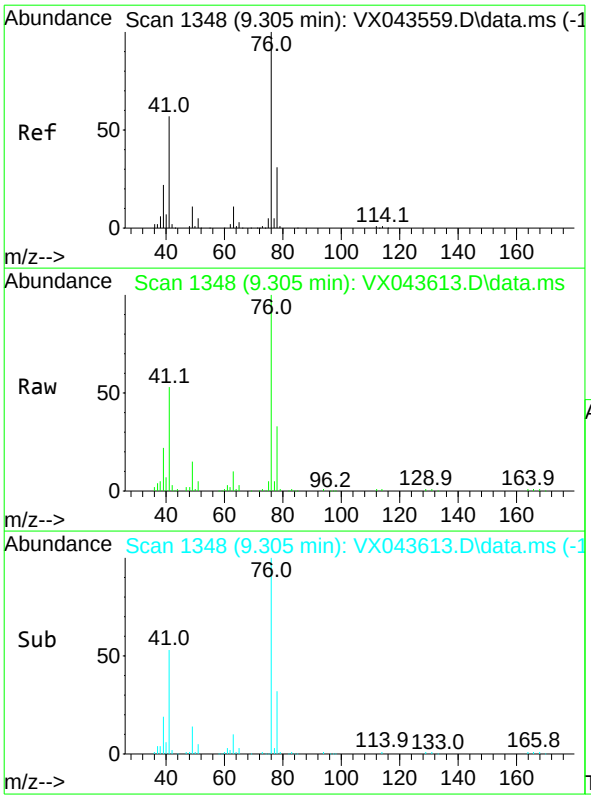


#56
Ethyl methacrylate
Concen: 20.253 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 69 Resp: 59004

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.8	80.8
39	32.2	29.9	44.9

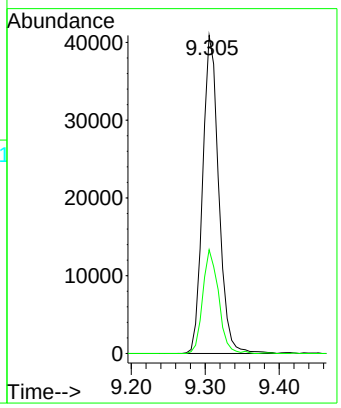




#57
1,3-Dichloropropane
Concen: 20.664 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 76 Resp: 61622

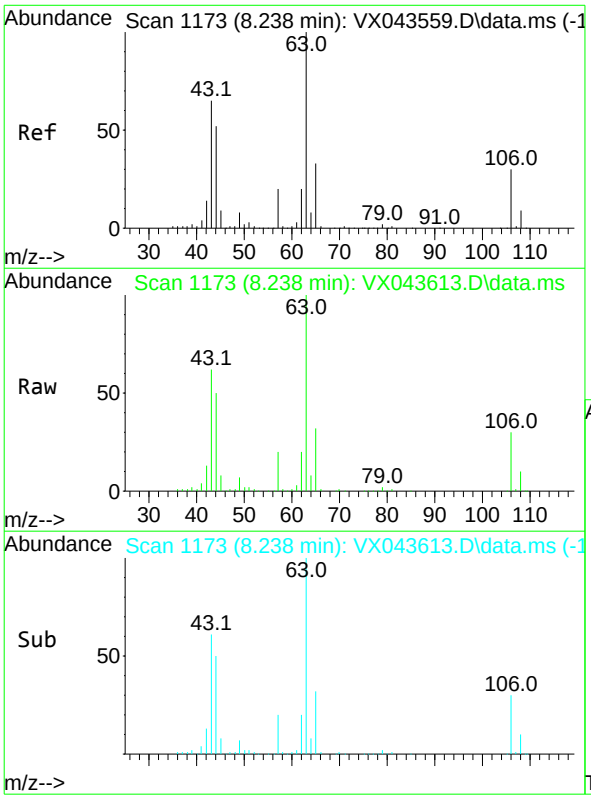
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

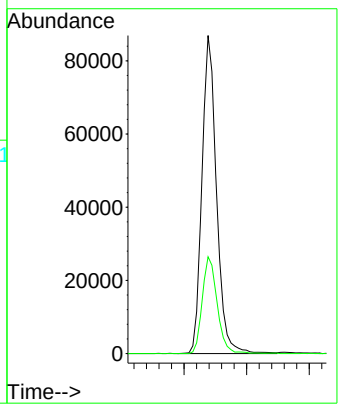
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

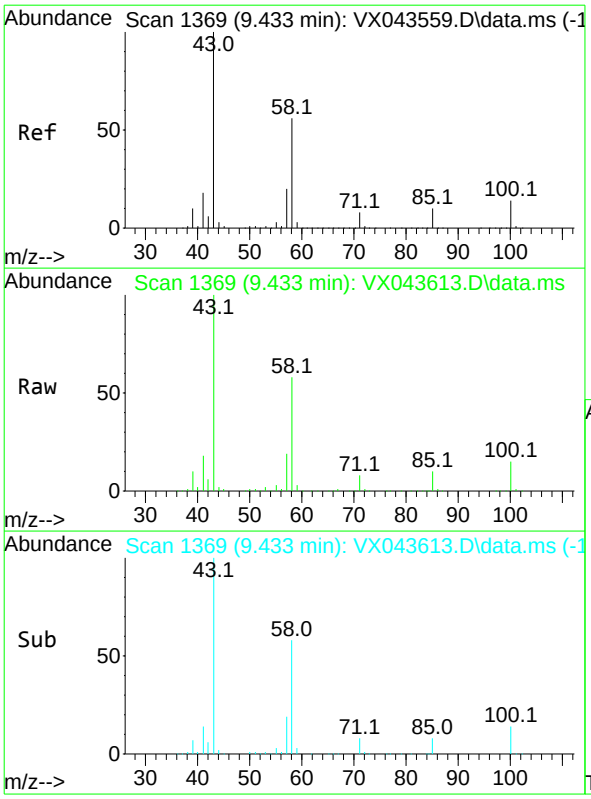


#58
2-Chloroethyl Vinyl ether
Concen: 99.511 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 63 Resp: 140409

Ion	Ratio	Lower	Upper
63	100		
106	31.2	23.6	35.4

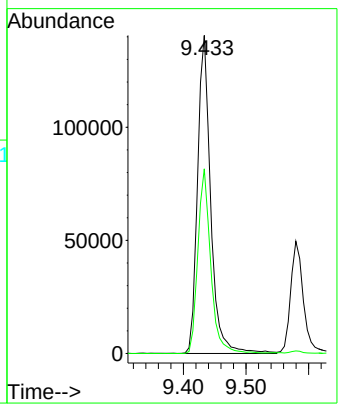




#59
2-Hexanone
Concen: 103.864 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 205521

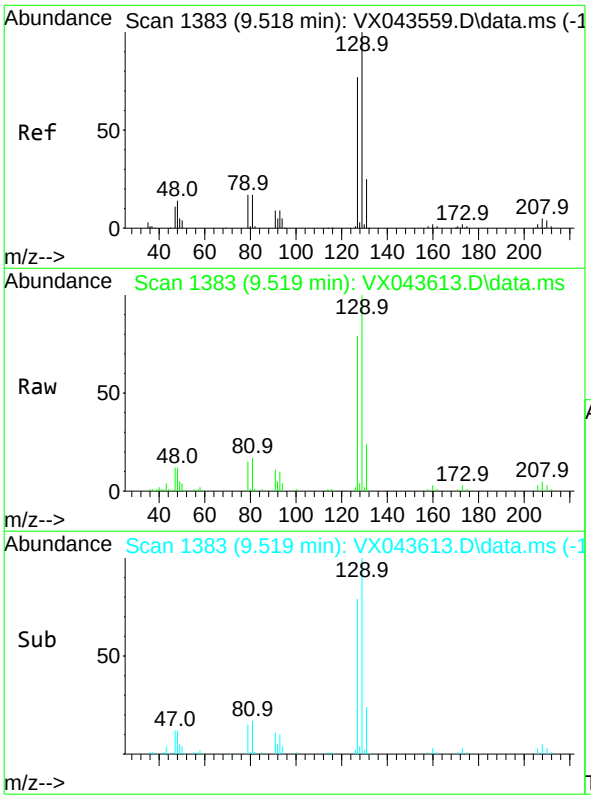
Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.5	82.5



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

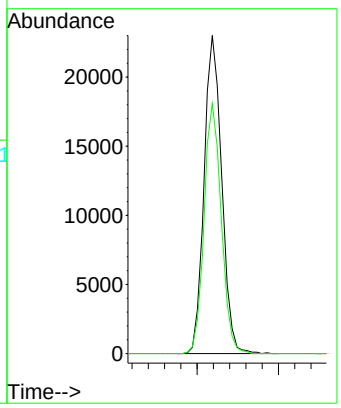
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

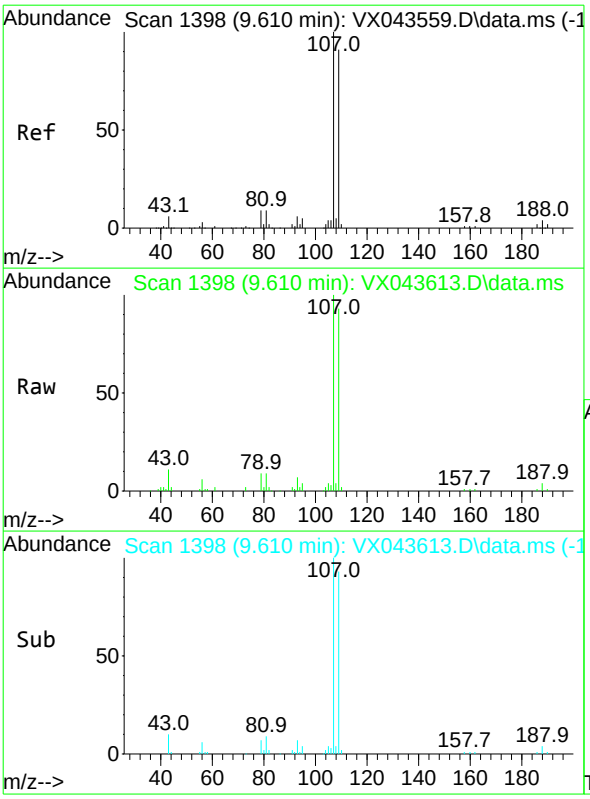


#60
Dibromochloromethane
Concen: 19.450 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:129 Resp: 34532

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.1

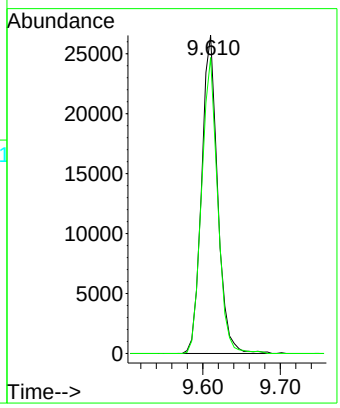




#61
1,2-Dibromoethane
Concen: 20.500 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:107 Resp: 38155

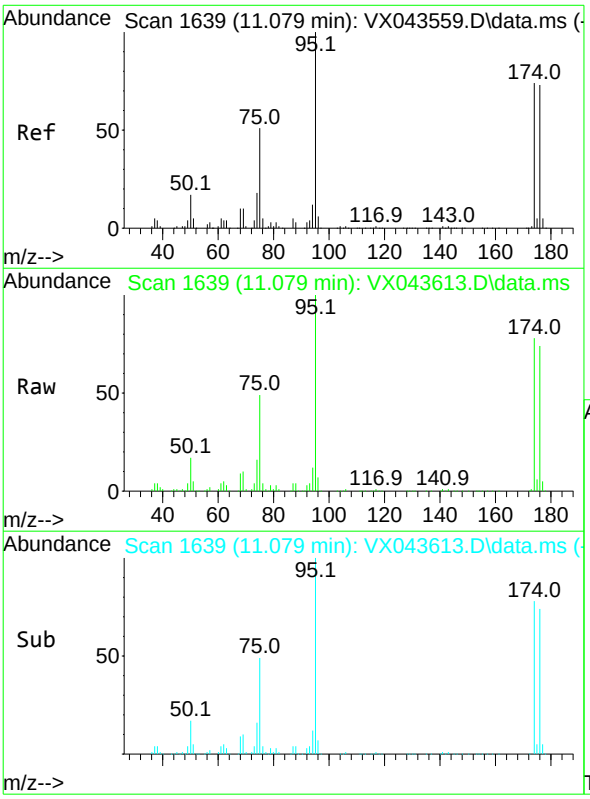
Ion	Ratio	Lower	Upper
107	100		
109	93.2	77.1	115.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

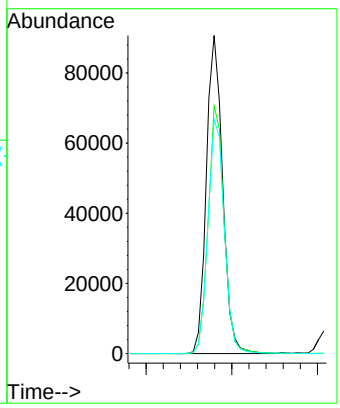
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

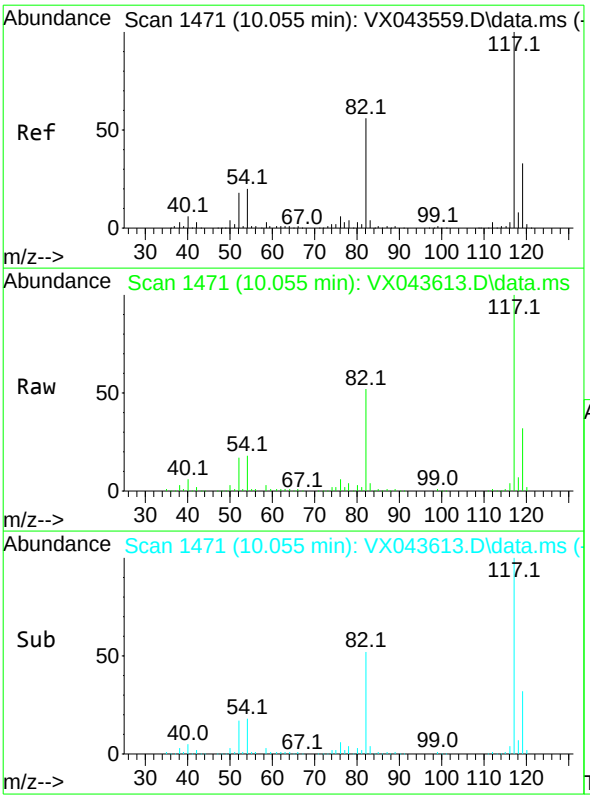


#62
4-Bromofluorobenzene
Concen: 51.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 95 Resp: 119367

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	146.6
176	74.5	0.0	139.6

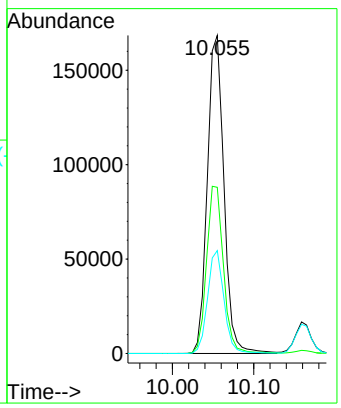




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:117 Resp: 239021

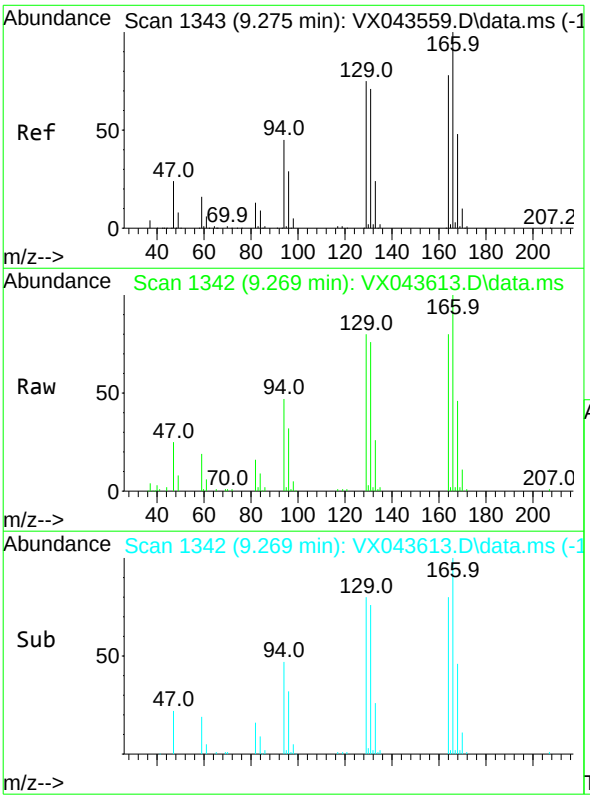
Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	32.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

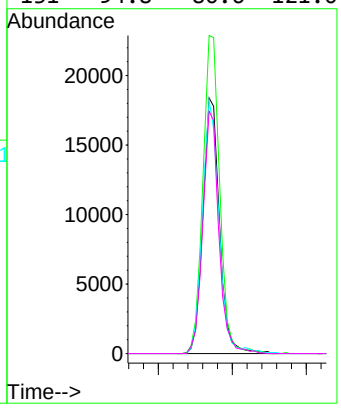
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

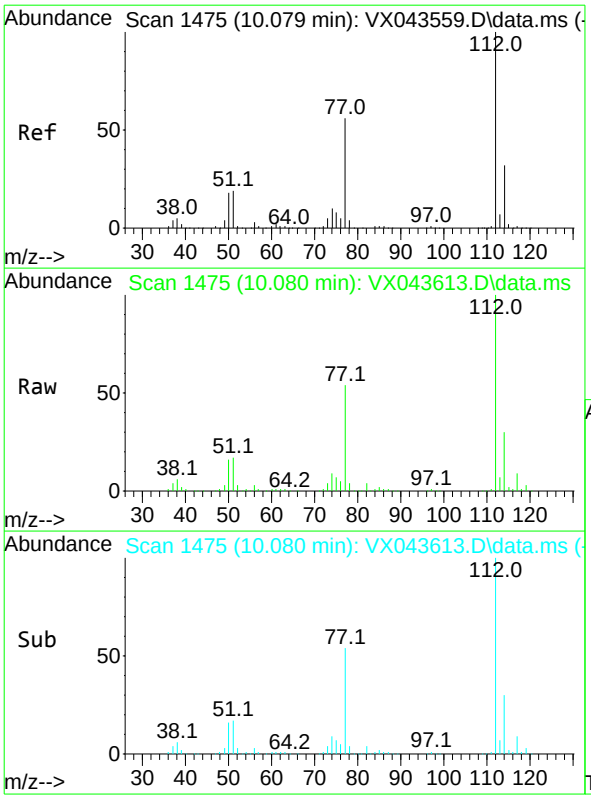


#64
Tetrachloroethene
Concen: 19.064 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:164 Resp: 28659

Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.8	155.6
129	99.2	83.8	125.6
131	94.8	80.6	121.0

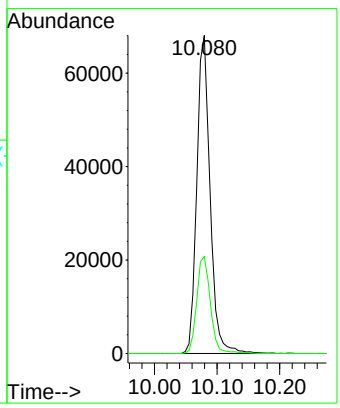




#65
Chlorobenzene
Concen: 19.456 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:112 Resp: 100050

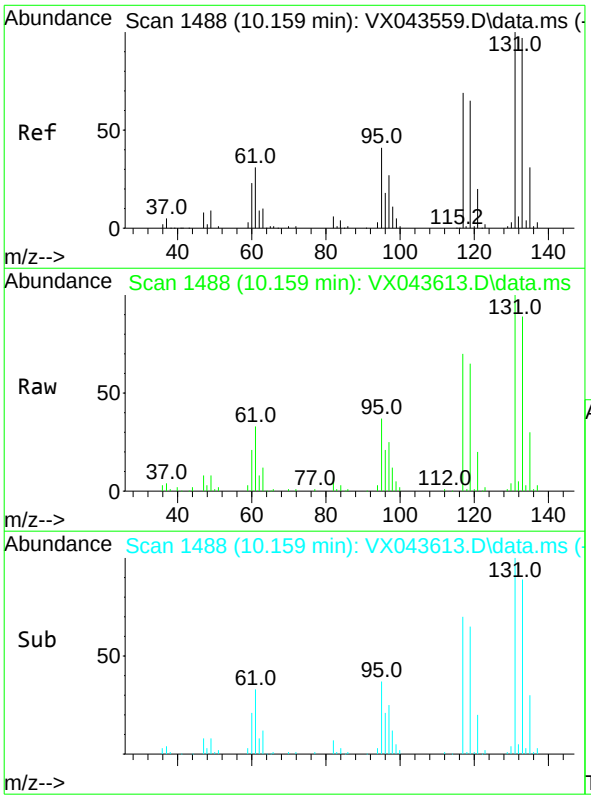
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

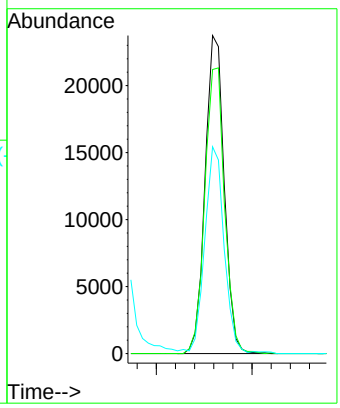
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

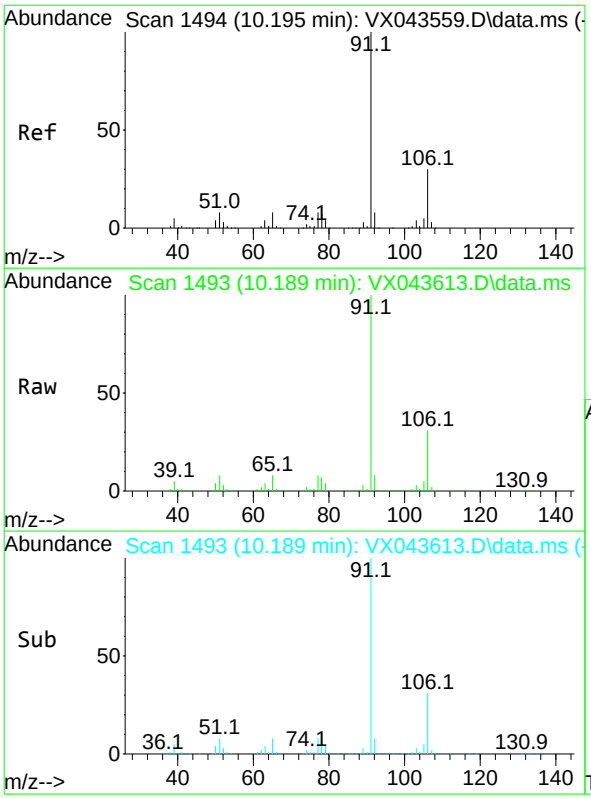


#66
1,1,1,2-Tetrachloroethane
Concen: 19.571 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:131 Resp: 32872

Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.0	144.0
119	64.5	32.3	96.9

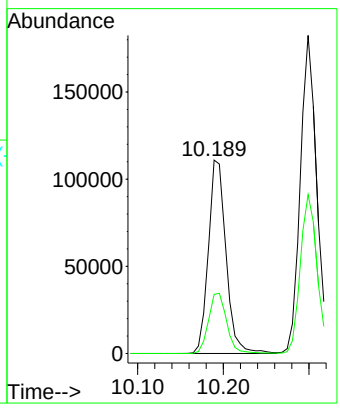




#67
Ethyl Benzene
Concen: 18.976 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 91 Resp: 159115

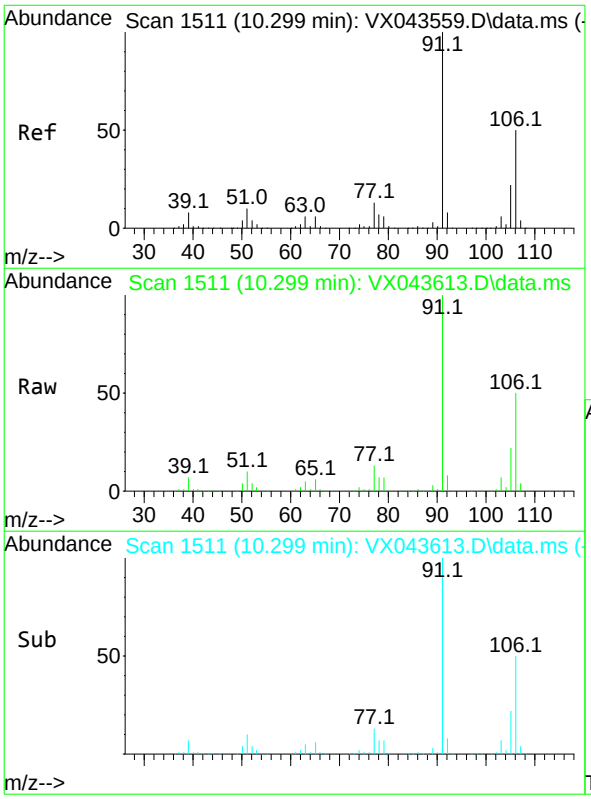
Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

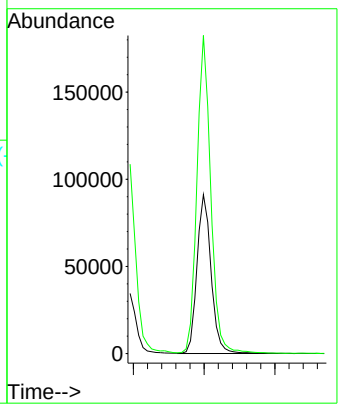
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

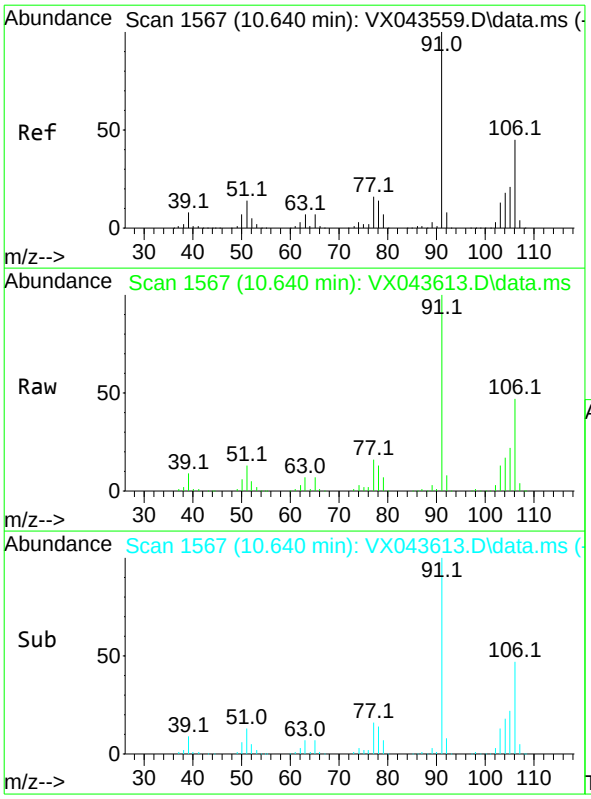


#68
m/p-Xylenes
Concen: 39.374 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:106 Resp: 126258

Ion	Ratio	Lower	Upper
106	100		
91	196.0	164.7	247.1

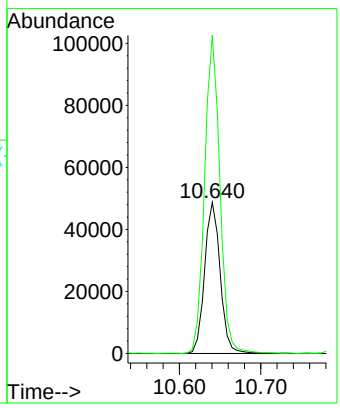




#69
o-Xylene
Concen: 20.088 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:106 Resp: 64722

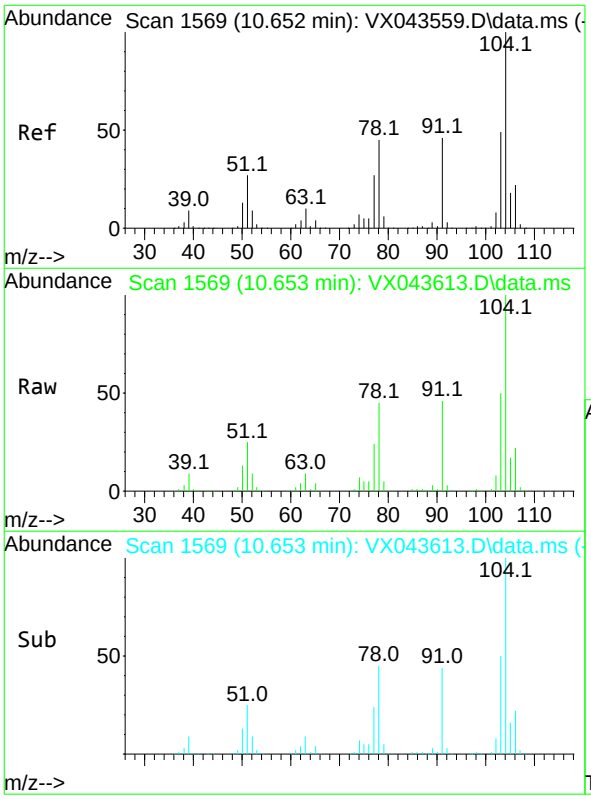
Ion	Ratio	Lower	Upper
106	100		
91	207.2	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

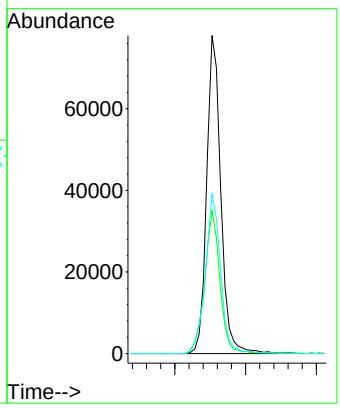
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

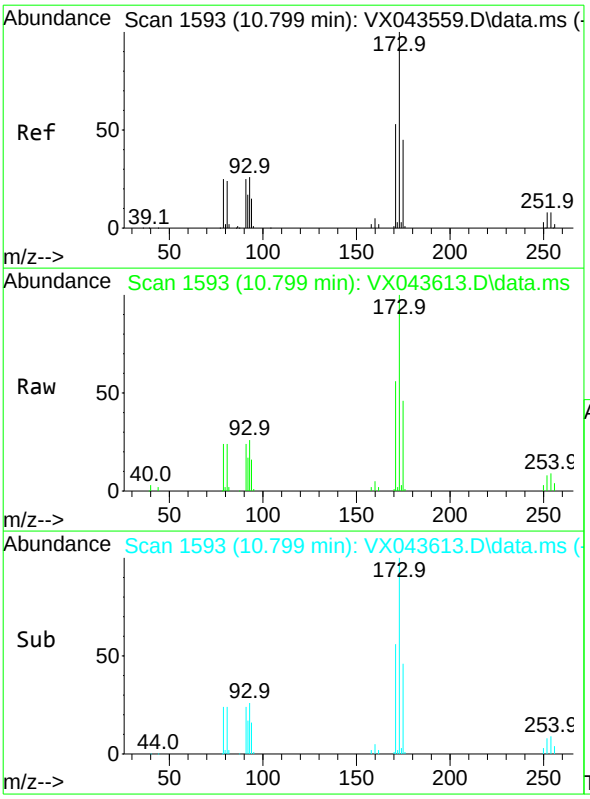


#70
Styrene
Concen: 20.202 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:104 Resp: 108183

Ion	Ratio	Lower	Upper
104	100		
78	48.7	40.0	60.0
103	54.0	43.4	65.0

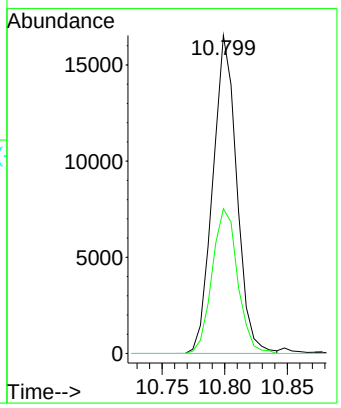




#71
Bromoform
Concen: 18.241 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:173 Resp: 22030

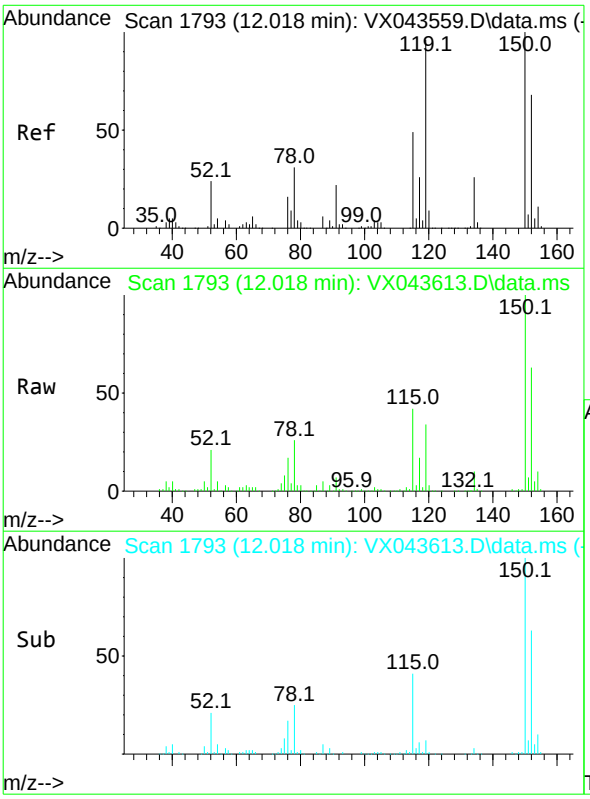
Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

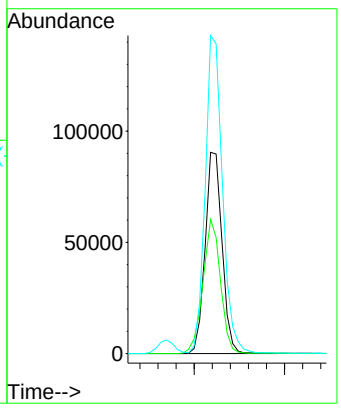
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

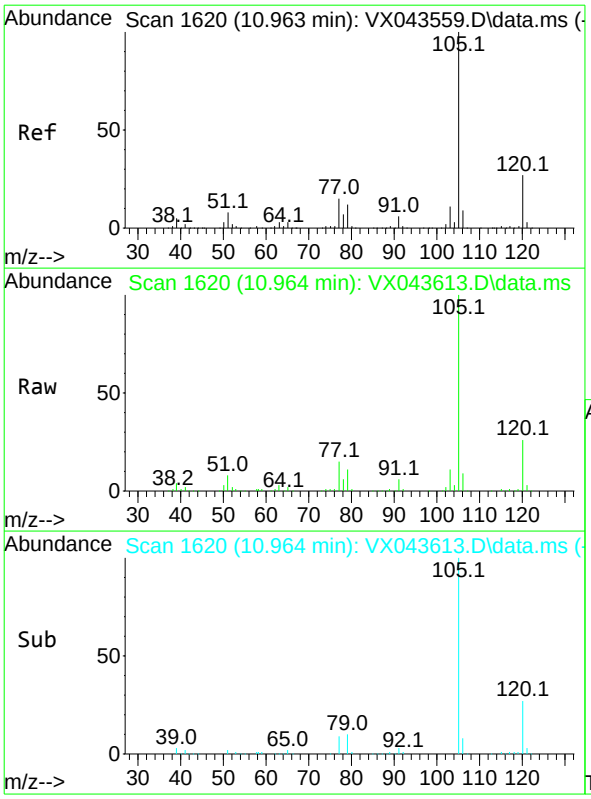


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:152 Resp: 117960

Ion	Ratio	Lower	Upper
152	100		
115	68.6	42.9	128.7
150	161.2	0.0	343.6

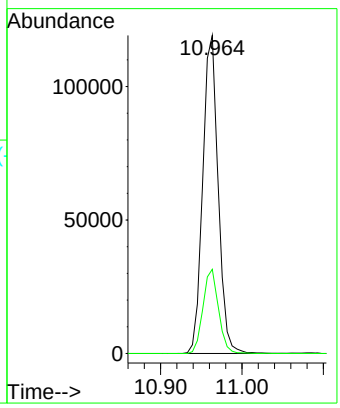




#73
Isopropylbenzene
Concen: 18.755 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:105 Resp: 156713

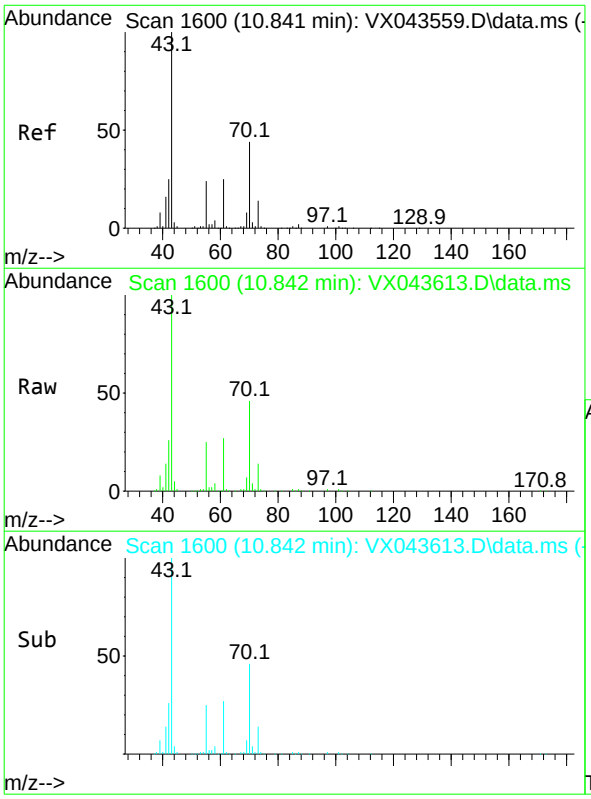
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

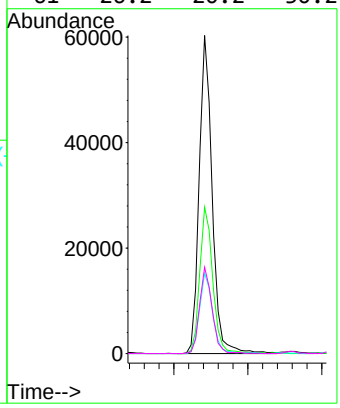
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

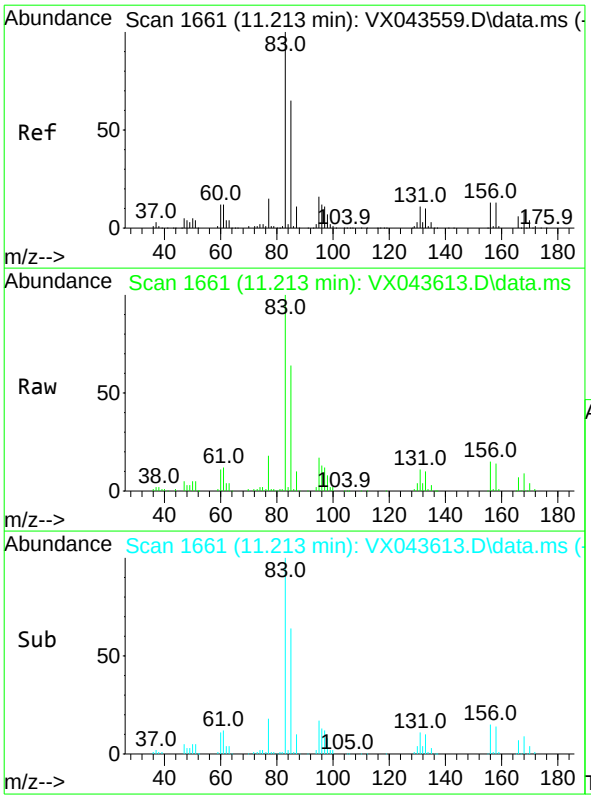


#74
N-amyl acetate
Concen: 18.089 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 73630

Ion	Ratio	Lower	Upper
43	100		
70	46.3	34.6	52.0
55	25.6	19.6	29.4
61	26.2	20.2	30.2

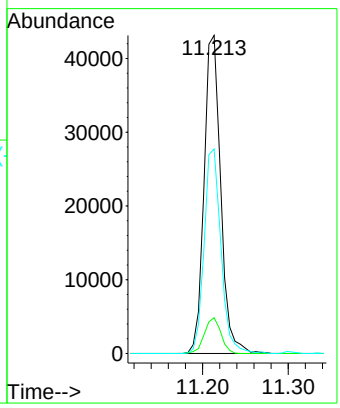




#75
1,1,2,2-Tetrachloroethane
Concen: 19.391 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 83 Resp: 58265

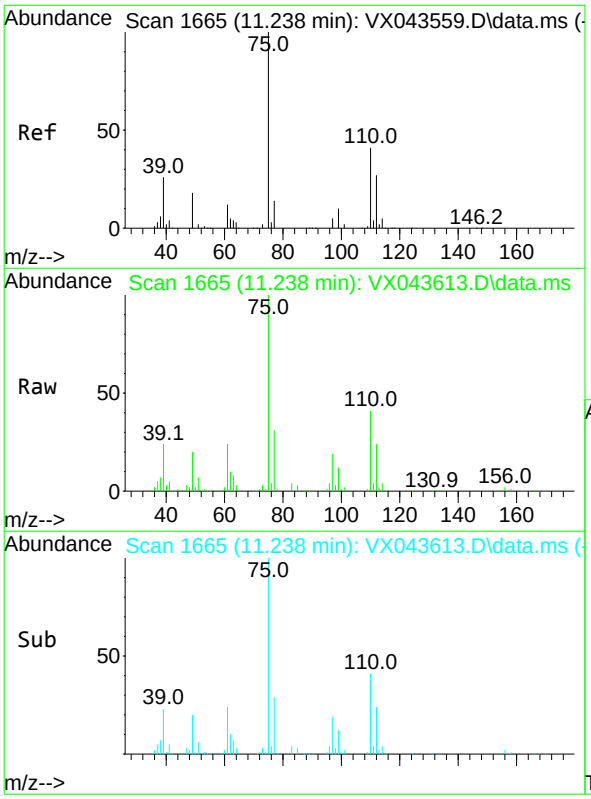
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.3	15.9
85	65.1	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

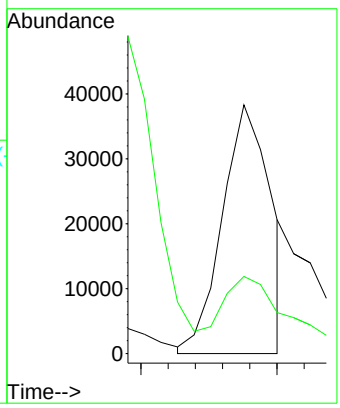
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

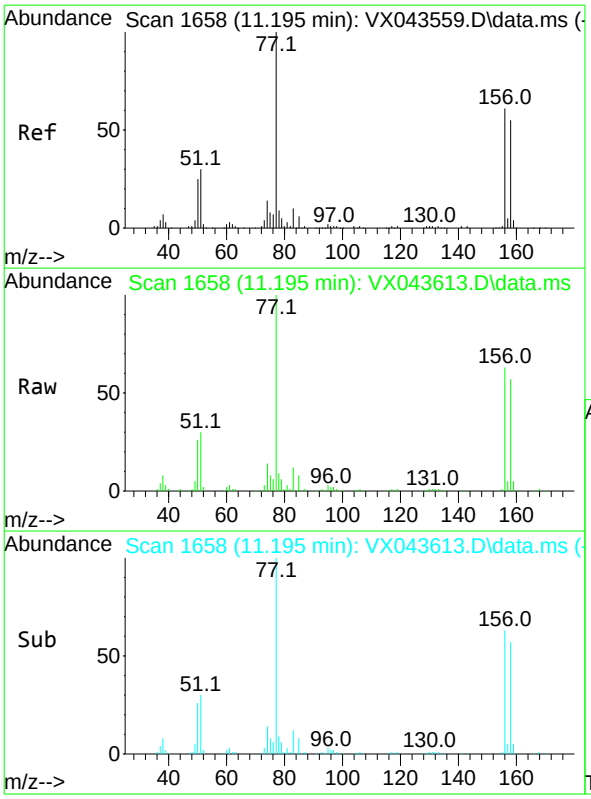


#76
1,2,3-Trichloropropane
Concen: 18.797 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 47409

Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.2

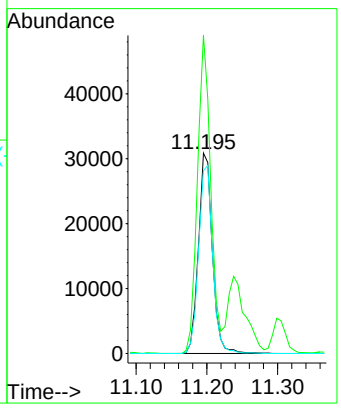




#77
Bromobenzene
Concen: 19.565 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:156 Resp: 42214

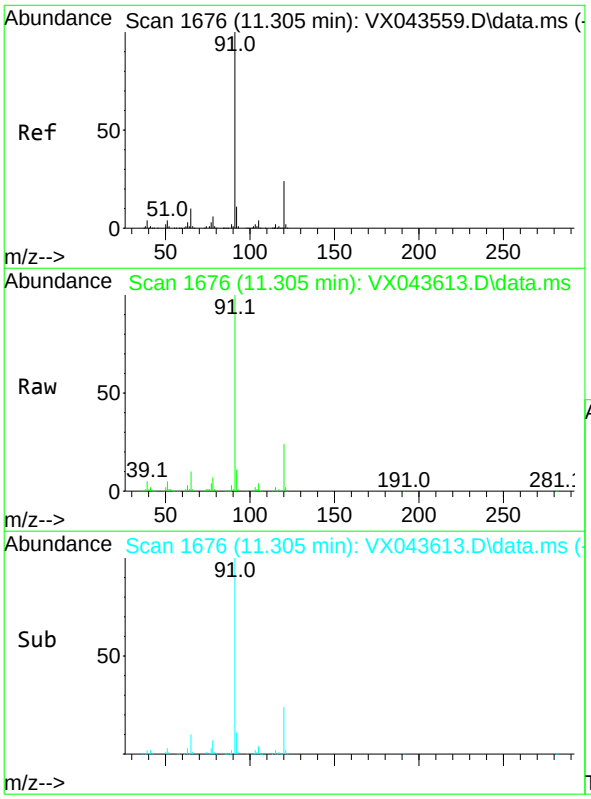
Ion	Ratio	Lower	Upper
156	100		
77	150.8	79.7	239.1
158	94.9	48.0	144.0



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

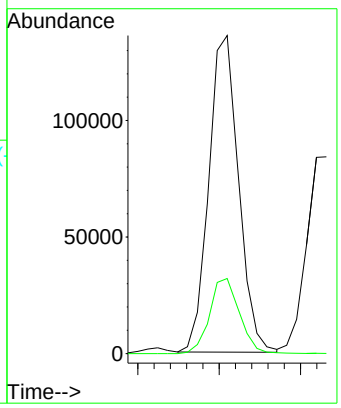
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

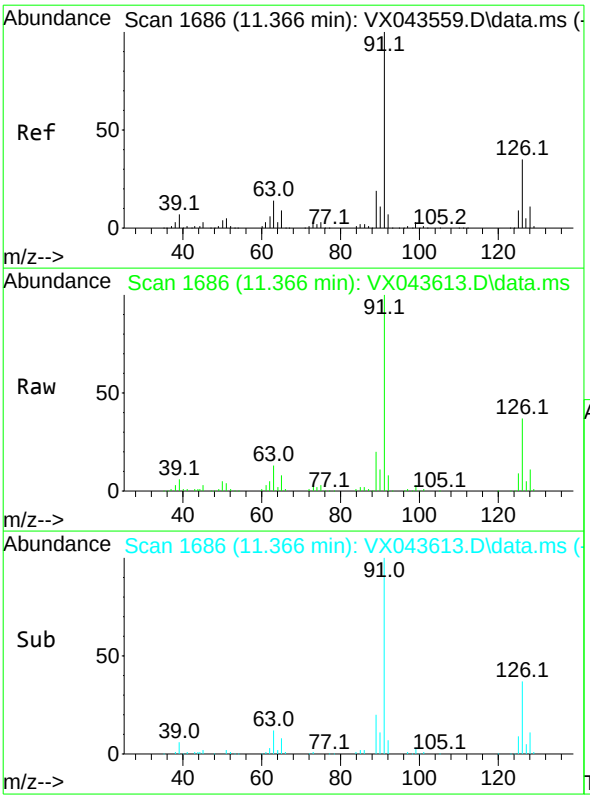


#78
n-propylbenzene
Concen: 18.977 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 91 Resp: 172894

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7





#79
2-Chlorotoluene
Concen: 18.584 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

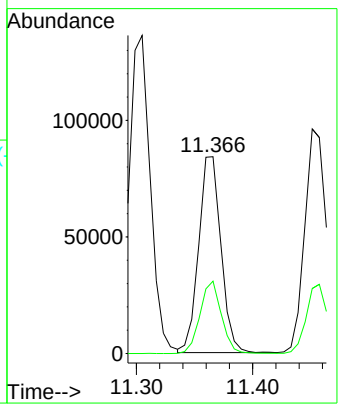
Tgt Ion: 91 Resp: 112270

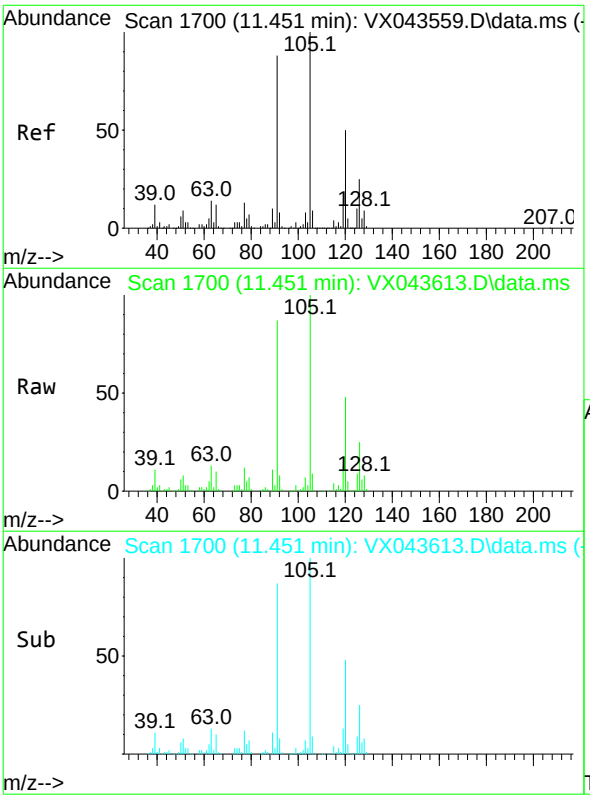
Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

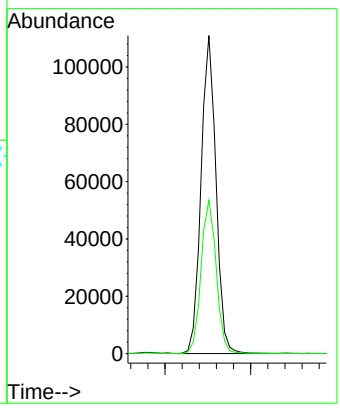


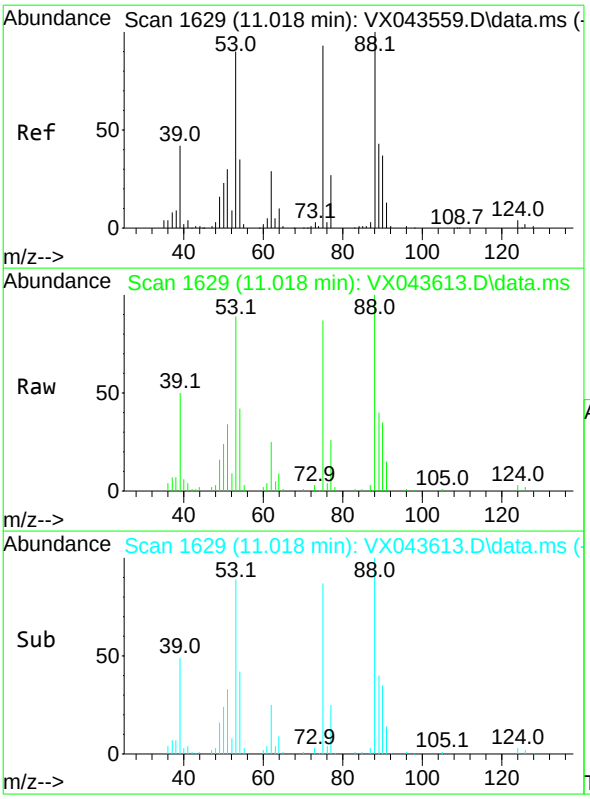


#80
1,3,5-Trimethylbenzene
Concen: 19.257 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:105 Resp: 134164

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 17.148 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

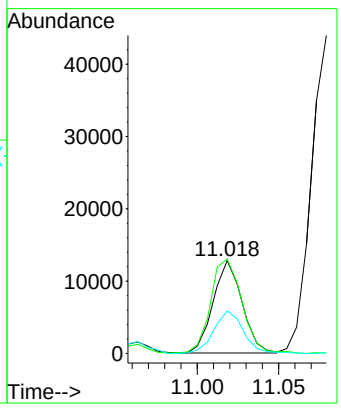
Tgt Ion: 75 Resp: 15721

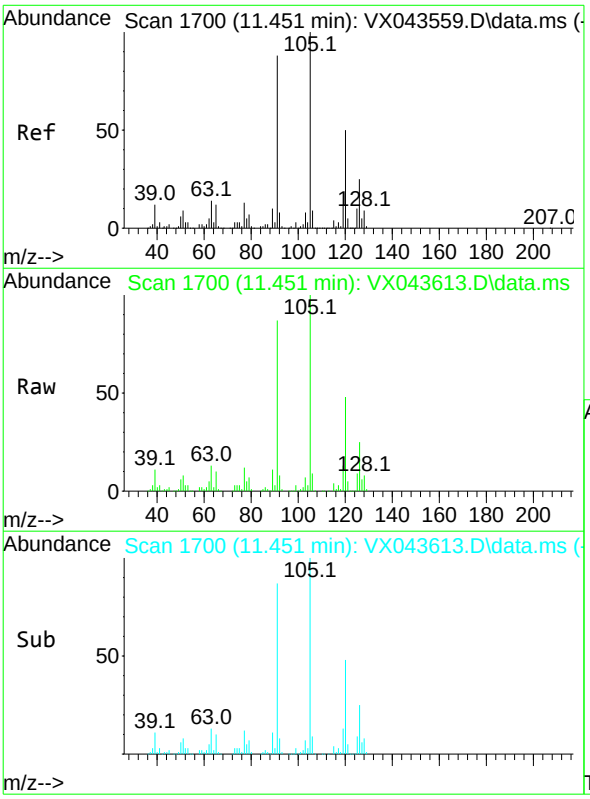
Ion	Ratio	Lower	Upper
75	100		
53	111.6	84.6	126.8
89	47.5	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

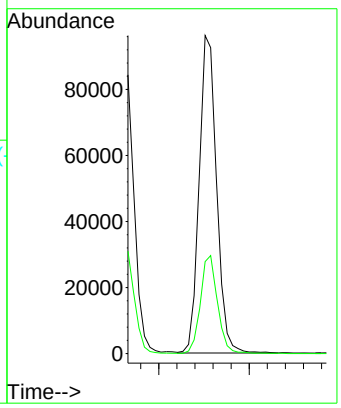


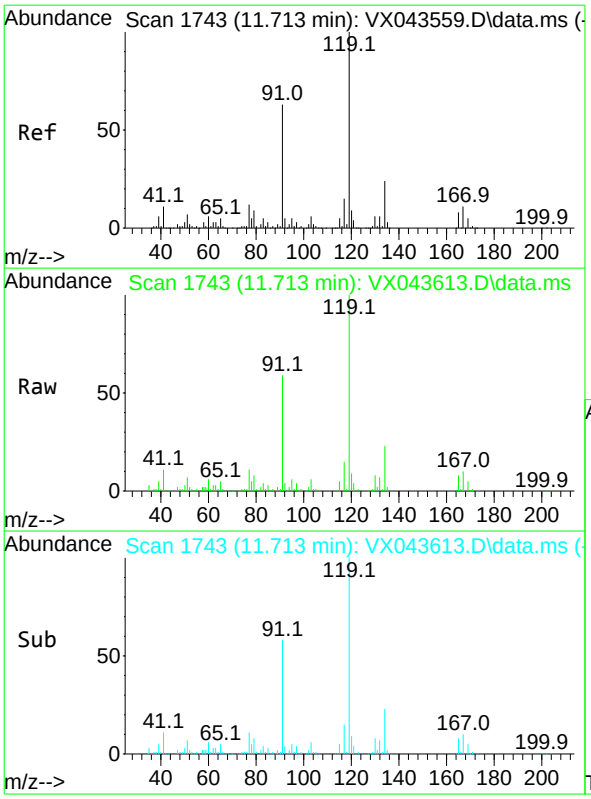


#82
4-Chlorotoluene
Concen: 18.933 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 91 Resp: 128383

Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.2	42.8

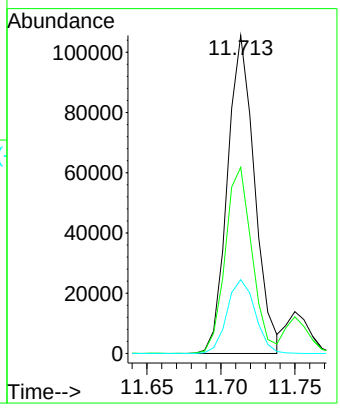




#83
tert-Butylbenzene
Concen: 18.972 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:119 Resp: 134426

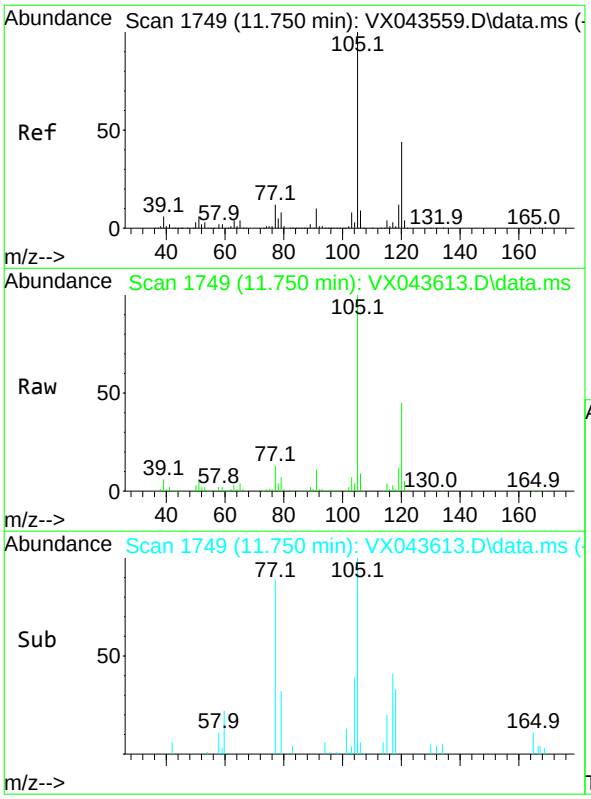
Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.5	88.5
134	24.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

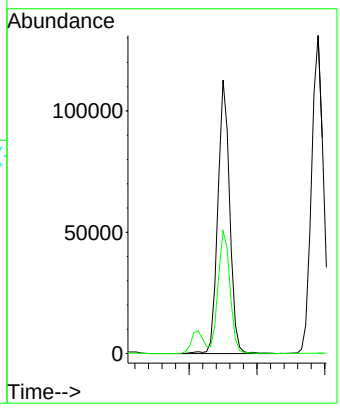
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

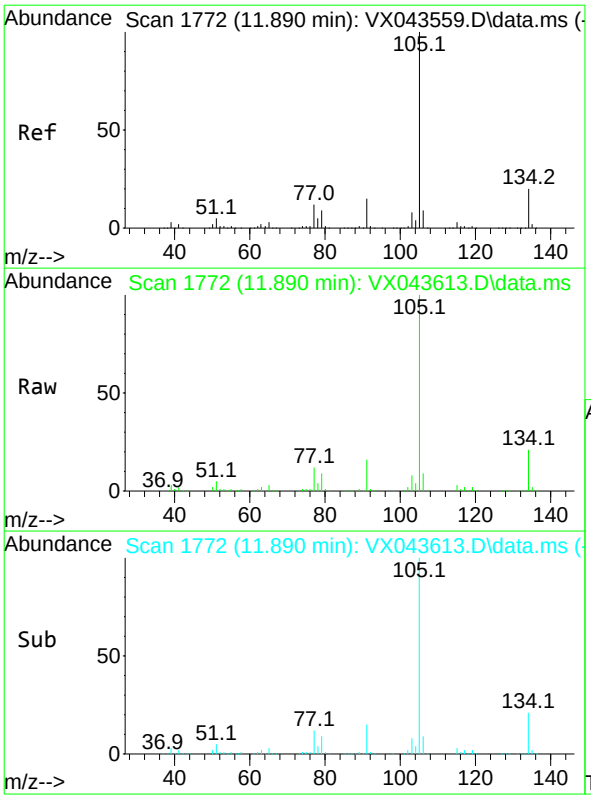


#84
1,2,4-Trimethylbenzene
Concen: 19.234 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:105 Resp: 136562

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1

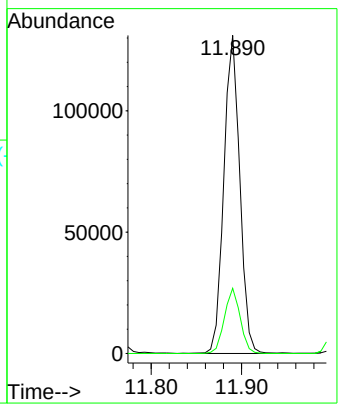




#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:105 Resp: 160544

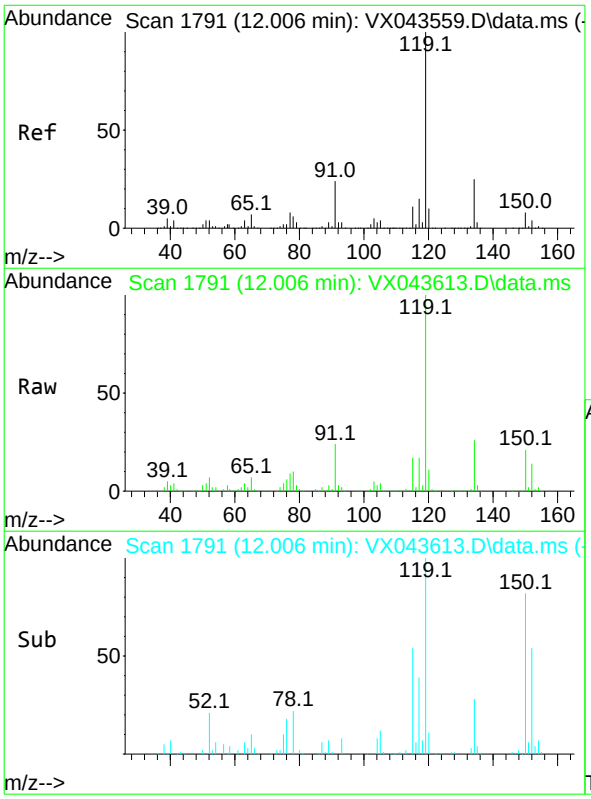
Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

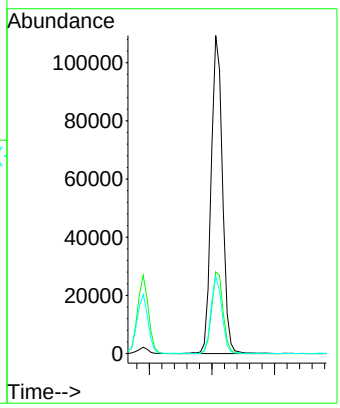
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

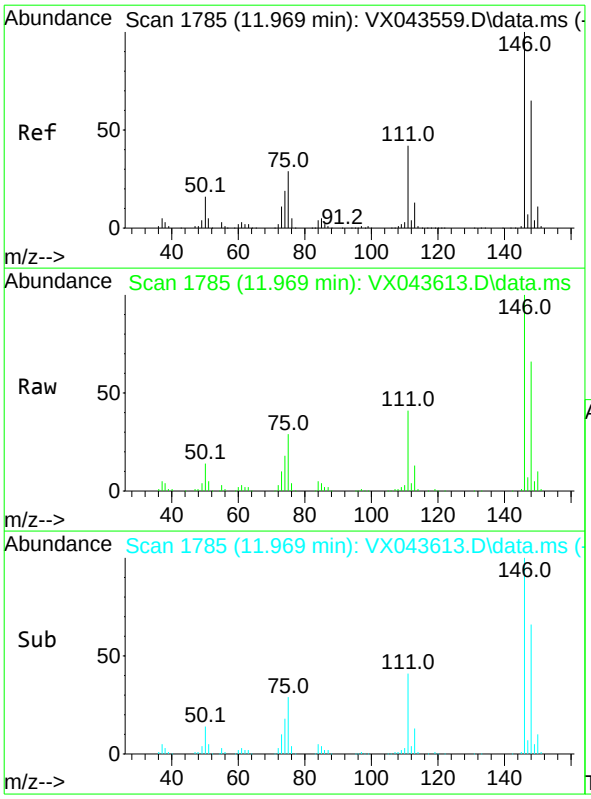


#86
p-Isopropyltoluene
Concen: 19.389 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:119 Resp: 136876

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	23.6	12.4	37.0

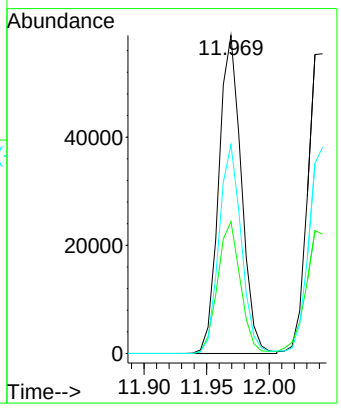




#87
1,3-Dichlorobenzene
Concen: 19.047 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:146 Resp: 73659

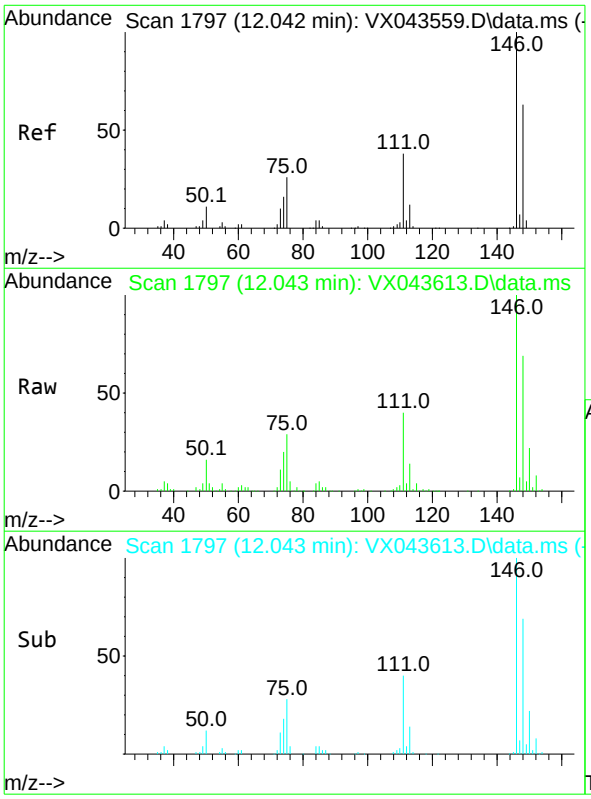
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	64.8	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

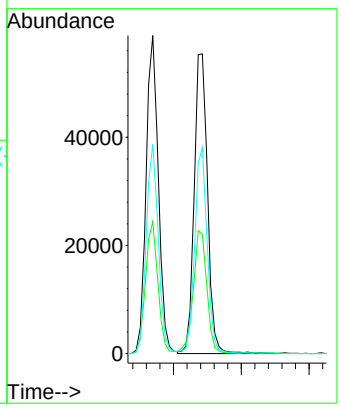
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

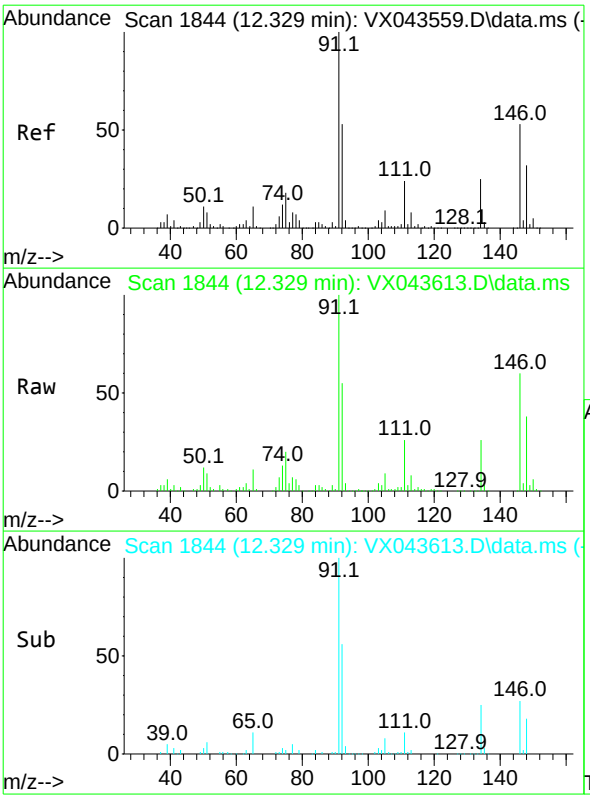


#88
1,4-Dichlorobenzene
Concen: 18.970 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:146 Resp: 76016

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	63.9	31.9	95.9





#89
n-Butylbenzene
Concen: 19.018 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

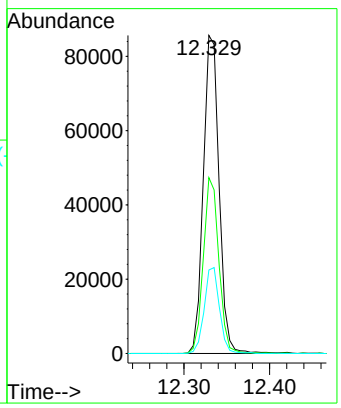
Tgt Ion: 91 Resp: 109400

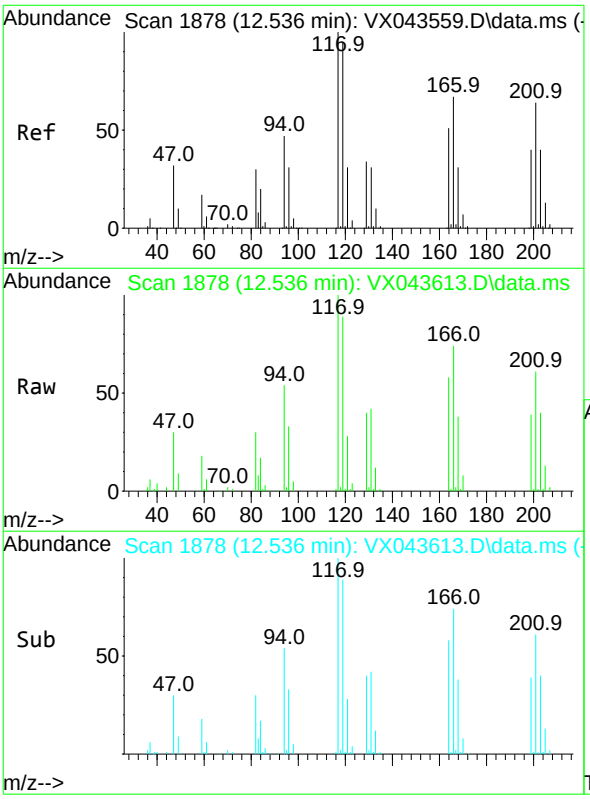
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	26.2	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

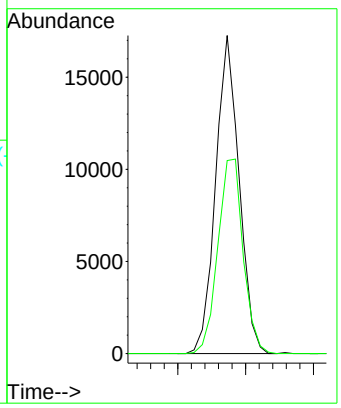


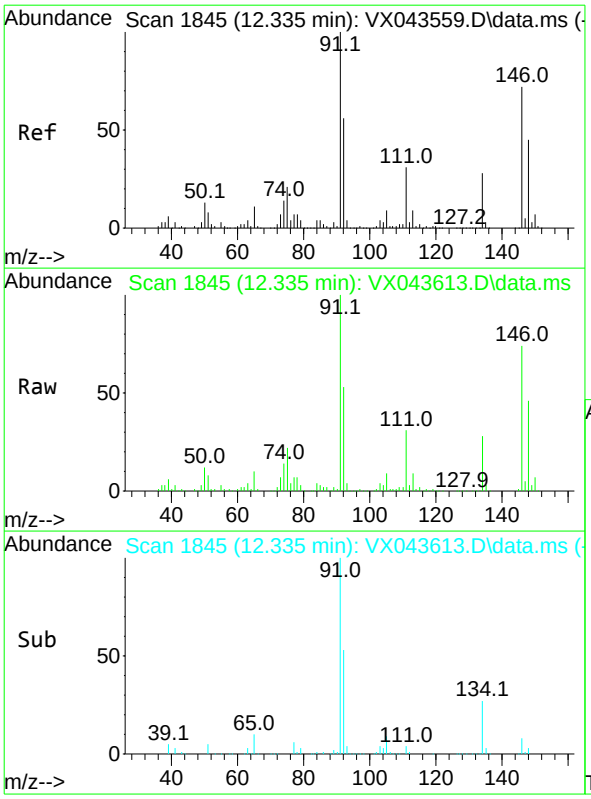


#90
Hexachloroethane
Concen: 18.065 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:117 Resp: 20716

Ion	Ratio	Lower	Upper
117	100		
201	66.0	32.9	98.7





#91
1,2-Dichlorobenzene
Concen: 20.088 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

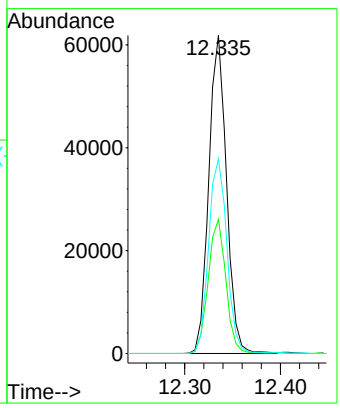
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

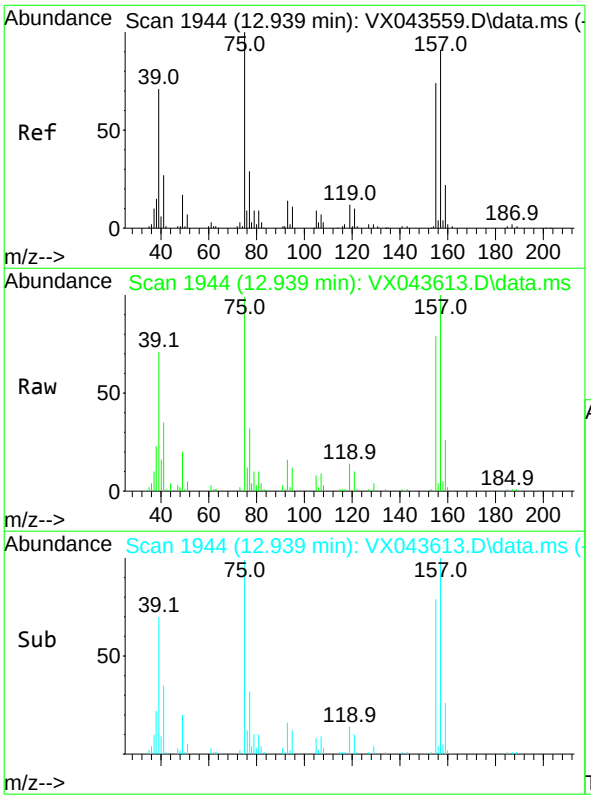
Tgt Ion:146 Resp: 79439

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.6
148	63.8	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

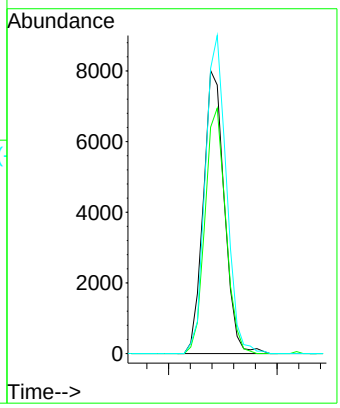


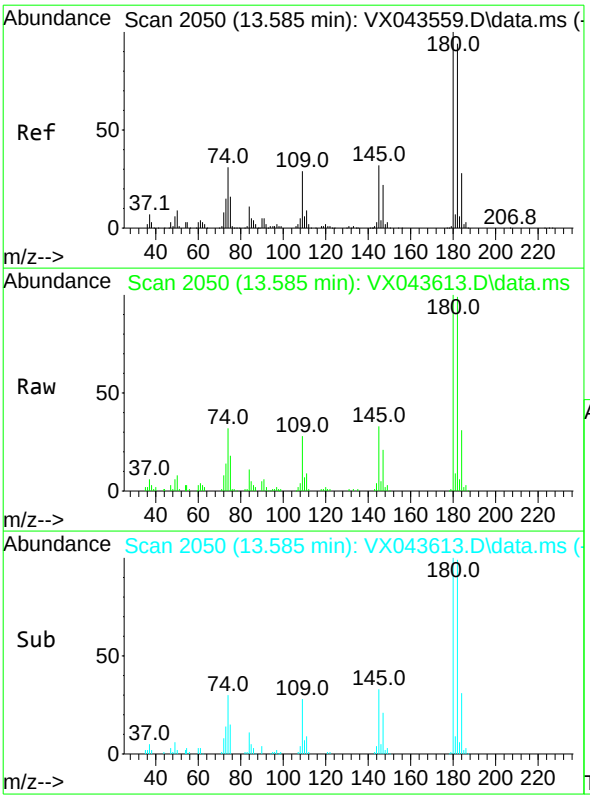


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.599 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 10780

Ion	Ratio	Lower	Upper
75	100		
155	85.5	40.1	120.3
157	112.8	50.8	152.4





#93
1,2,4-Trichlorobenzene
Concen: 19.794 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

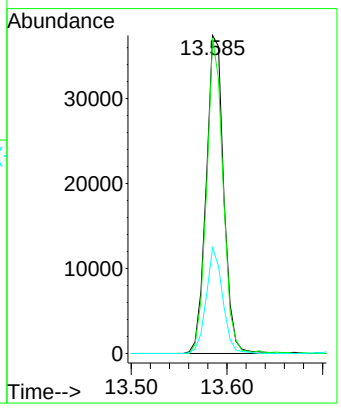
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

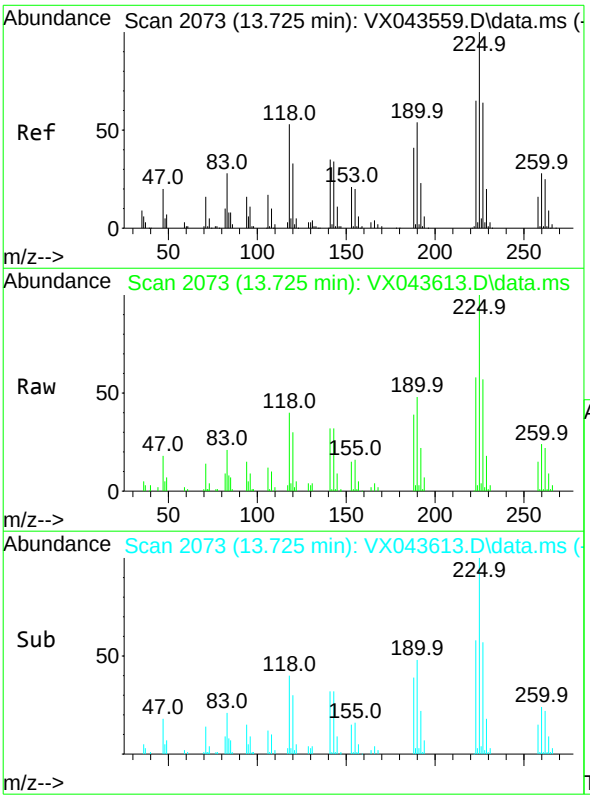
Tgt Ion:180 Resp: 47511

Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.8	140.4
145	31.2	16.1	48.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

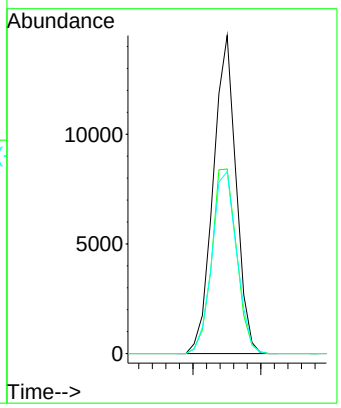


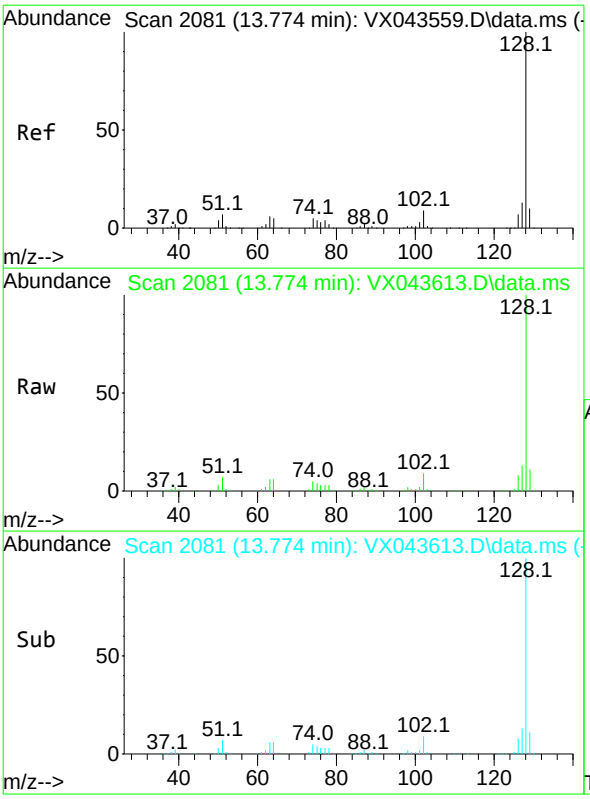


#94
Hexachlorobutadiene
Concen: 19.168 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:225 Resp: 16964

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	62.1	31.6	94.8

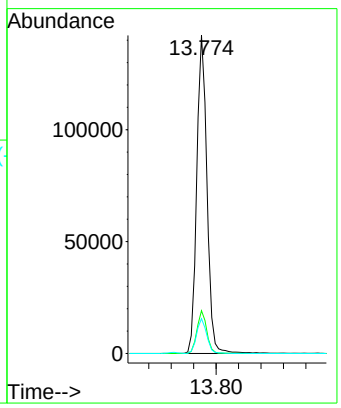




#95
Naphthalene
Concen: 19.576 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:128 Resp: 179816

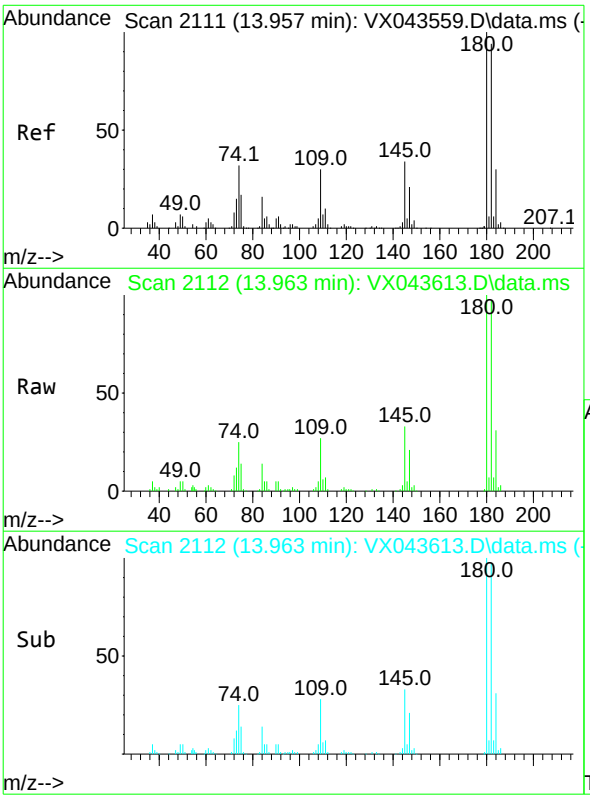
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations
APPROVED

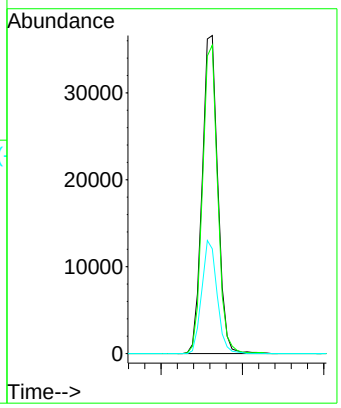
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.280 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:180 Resp: 48793

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	34.8	17.4	52.3



Raw Data: **VX043587.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4600
Lab Sample ID:	VX1029WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	95.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.0		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	91.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	21.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.8		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.2		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L

Raw Data: **VX043587.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4600
Lab Sample ID:	VX1029WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.6		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.9		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.55				
540-36-3	1,4-Difluorobenzene	312000	6.757				
3114-55-4	Chlorobenzene-d5	270000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.024				

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\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	180366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	312050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123296	42.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.740%			
35) Dibromofluoromethane	5.385	113	99899	47.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.647	98	366426	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	11.079	95	135860	50.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35143	18.219	ug/l	98
3) Chloromethane	1.294	50	40942	16.605	ug/l	99
4) Vinyl Chloride	1.374	62	41339	18.065	ug/l	98
5) Bromomethane	1.593	94	17344	18.591	ug/l	94
6) Chloroethane	1.660	64	15277	18.949	ug/l	100
7) Trichlorofluoromethane	1.861	101	57506	20.570	ug/l	98
8) Diethyl Ether	2.136	74	23314	18.050	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	37452	19.809	ug/l	97
10) Methyl Iodide	2.441	142	53263	19.499	ug/l	96
11) Tert butyl alcohol	3.008	59	57011m	106.205	ug/l	
12) 1,1-Dichloroethene	2.307	96	36845	19.070	ug/l	96
13) Acrolein	2.239	56	39535	94.177	ug/l	100
14) Allyl chloride	2.660	41	61519	18.409	ug/l	97
15) Acrylonitrile	3.069	53	109405	90.270	ug/l	99
16) Acetone	2.392	43	109359	95.756	ug/l	100
17) Carbon Disulfide	2.502	76	73159	18.108	ug/l	99
18) Methyl Acetate	2.709	43	57203	17.138	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	131788	17.936	ug/l	97
20) Methylene Chloride	2.782	84	41826	16.993	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	38207	18.718	ug/l	93
22) Diisopropyl ether	3.764	45	127741	18.494	ug/l	97
23) Vinyl Acetate	3.721	43	526774	92.311	ug/l	99
24) 1,1-Dichloroethane	3.605	63	72922	18.368	ug/l	98
25) 2-Butanone	4.562	43	152135	91.321	ug/l	100
26) 2,2-Dichloropropane	4.465	77	61908	19.050	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	48502	18.602	ug/l	99
28) Bromochloromethane	4.898	49	35416	18.753	ug/l	100
29) Tetrahydrofuran	5.007	42	96260	88.912	ug/l	98
30) Chloroform	5.086	83	75982	18.258	ug/l	98
31) Cyclohexane	5.458	56	60944	20.070	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	66644	19.074	ug/l	98
36) 1,1-Dichloropropene	5.684	75	50726	20.217	ug/l	99
37) Ethyl Acetate	4.715	43	57527	18.885	ug/l	98
38) Carbon Tetrachloride	5.672	117	55313	19.952	ug/l	95
39) Methylcyclohexane	7.373	83	65547	21.041	ug/l	95
40) Benzene	6.031	78	162811	19.451	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	30340	18.975	ug/l		96
42) 1,2-Dichloroethane	6.086	62	57693	19.172	ug/l		98
43) Isopropyl Acetate	6.342	43	94365	18.732	ug/l		98
44) Trichloroethene	7.123	130	40576	19.513	ug/l		98
45) 1,2-Dichloropropane	7.428	63	39286	19.061	ug/l		98
46) Dibromomethane	7.580	93	30214	19.039	ug/l		98
47) Bromodichloromethane	7.818	83	52666	18.918	ug/l		96
48) Methyl methacrylate	7.696	41	45342	18.984	ug/l		98
49) 1,4-Dioxane	7.671	88	22833	465.320	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	303410	98.818	ug/l		100
52) Toluene	8.720	92	102358	20.164	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	57218	19.136	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	64125	20.128	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	42874	20.290	ug/l		96
56) Ethyl methacrylate	9.116	69	67171	19.564	ug/l		97
57) 1,3-Dichloropropane	9.305	76	69379	19.741	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	161188	96.934	ug/l		98
59) 2-Hexanone	9.433	43	235915	101.166	ug/l		100
60) Dibromochloromethane	9.519	129	41001	19.595	ug/l		98
61) 1,2-Dibromoethane	9.610	107	43112	19.655	ug/l		97
64) Tetrachloroethene	9.275	164	35803	21.083	ug/l		94
65) Chlorobenzene	10.079	112	114879	19.776	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39255	20.689	ug/l		99
67) Ethyl Benzene	10.195	91	191684	20.237	ug/l		97
68) m/p-Xylenes	10.299	106	151758	41.895	ug/l		95
69) o-Xylene	10.640	106	75831	20.836	ug/l		97
70) Styrene	10.653	104	124213	20.534	ug/l		99
71) Bromoform	10.799	173	25655	18.805	ug/l	#	96
73) Isopropylbenzene	10.963	105	190648	20.509	ug/l		99
74) N-amyl acetate	10.842	43	86862	19.182	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65393	19.563	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	52914m	18.859	ug/l		
77) Bromobenzene	11.195	156	46994	19.579	ug/l		99
78) n-propylbenzene	11.305	91	208848	20.606	ug/l		99
79) 2-Chlorotoluene	11.366	91	133377	19.846	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	161261	20.806	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	18827	18.460	ug/l		98
82) 4-Chlorotoluene	11.451	91	150670	19.974	ug/l		99
83) tert-Butylbenzene	11.713	119	165824	21.037	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	163892	20.749	ug/l		99
85) sec-Butylbenzene	11.890	105	197051	21.328	ug/l		100
86) p-Isopropyltoluene	12.006	119	164691	20.970	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	85827	19.950	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	85335	19.143	ug/l		99
89) n-Butylbenzene	12.329	91	132178	20.655	ug/l		98
90) Hexachloroethane	12.536	117	25551	20.029	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	88551	20.129	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12736	18.690	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	51206	19.176	ug/l		97
94) Hexachlorobutadiene	13.725	225	20393	20.713	ug/l		98
95) Naphthalene	13.774	128	200939	19.665	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	53643	19.053	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

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

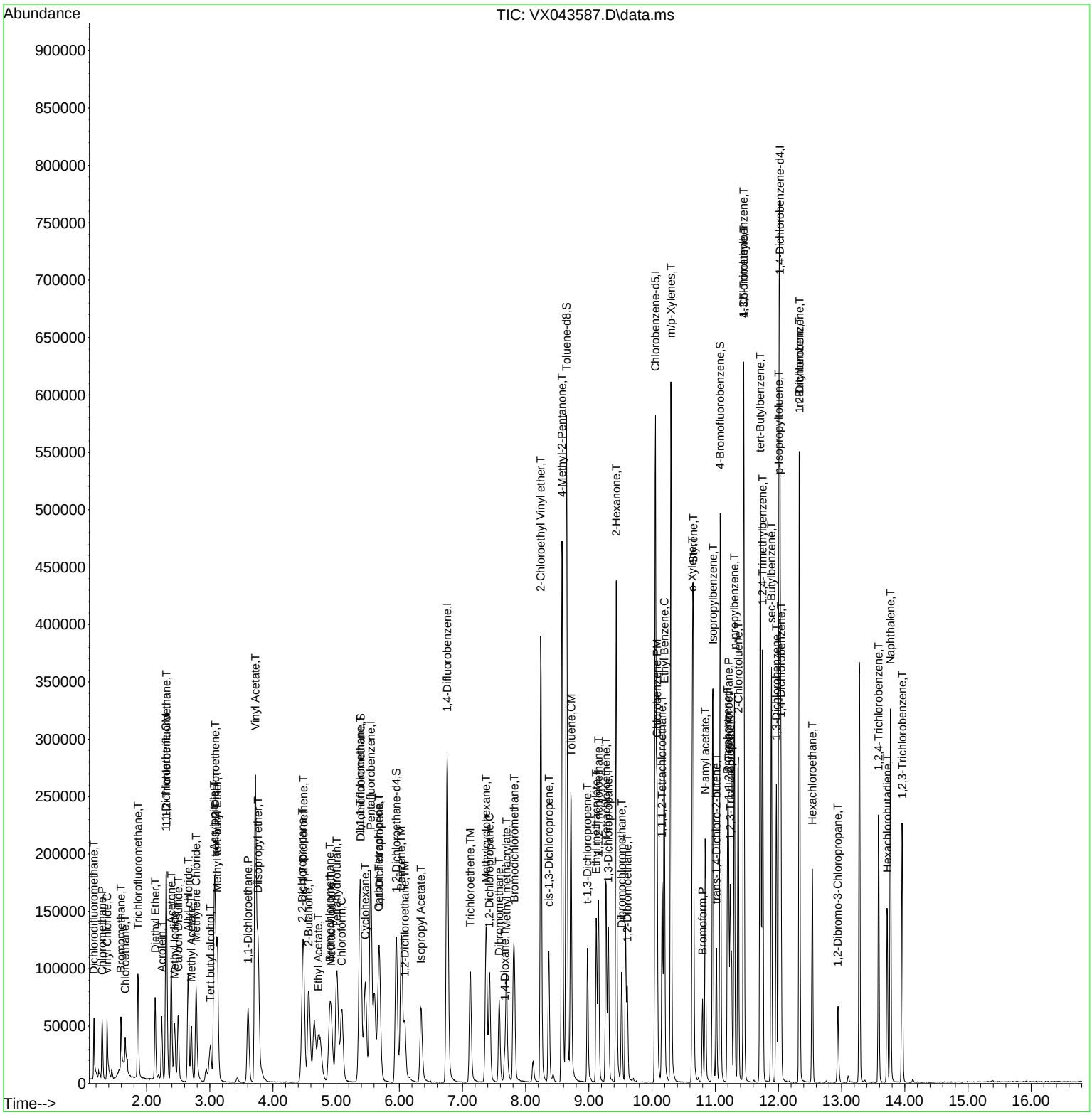
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

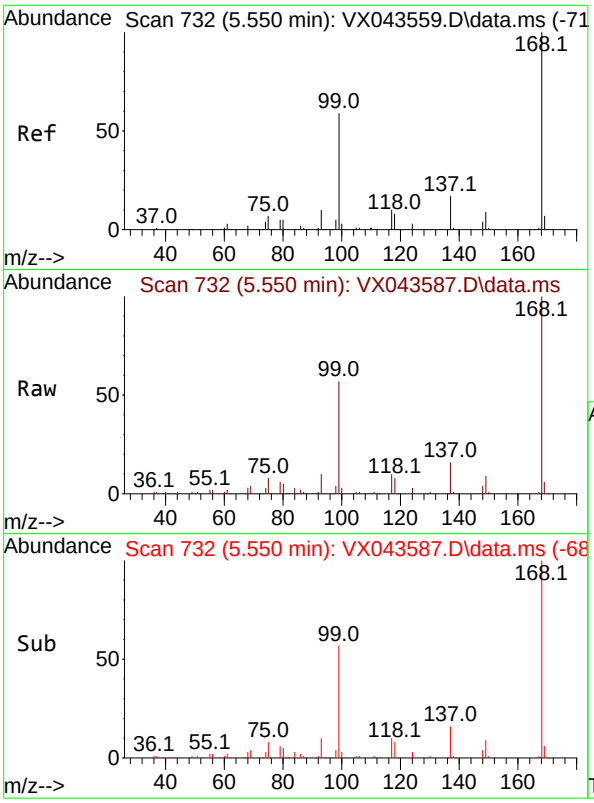
Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

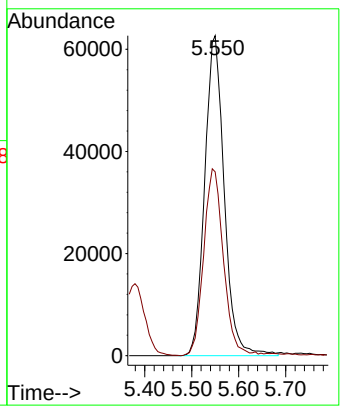




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:168 Resp: 18036

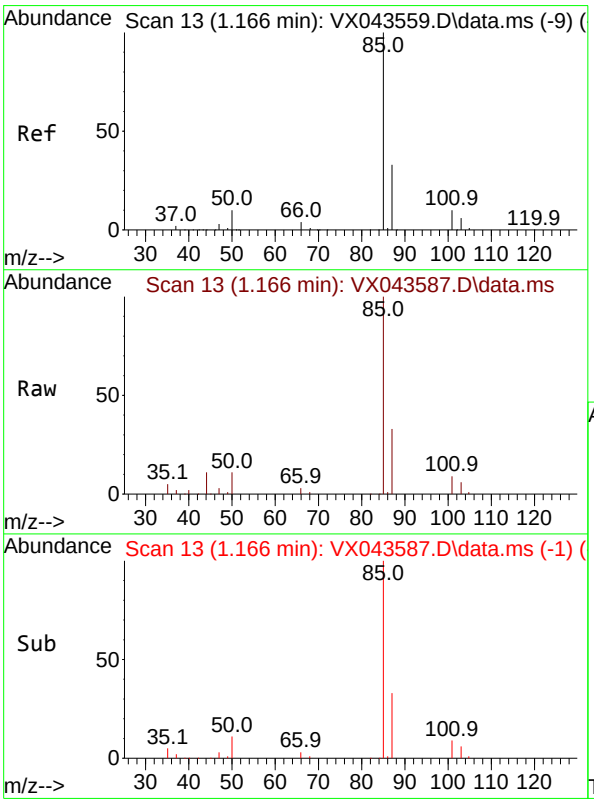
Ion	Ratio	Lower	Upper
168	100		
99	57.3	52.6	78.8



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

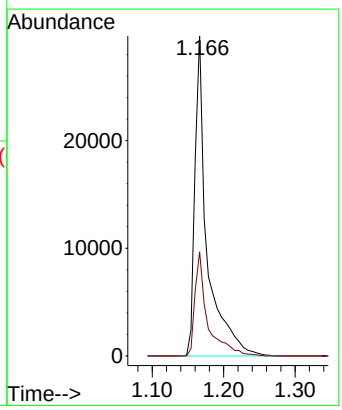
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

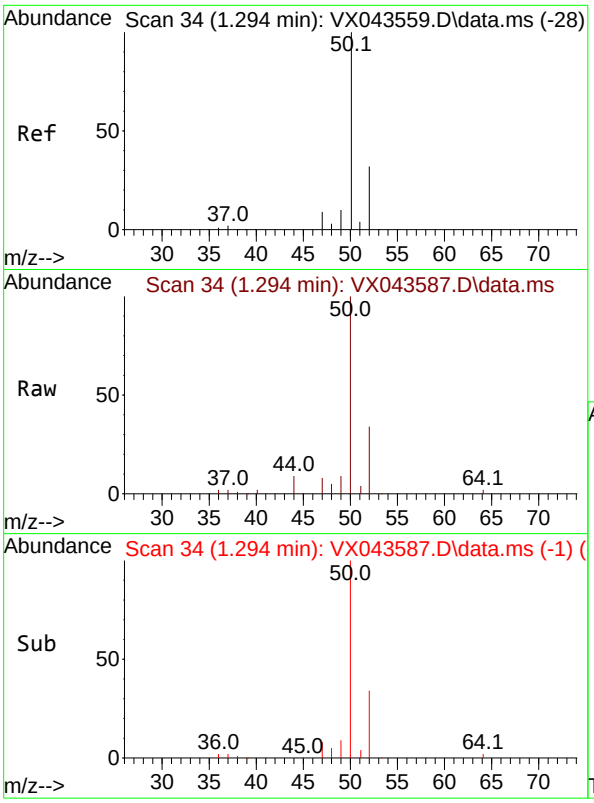


#2
Dichlorodifluoromethane
Concen: 18.219 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 85 Resp: 35143

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.0

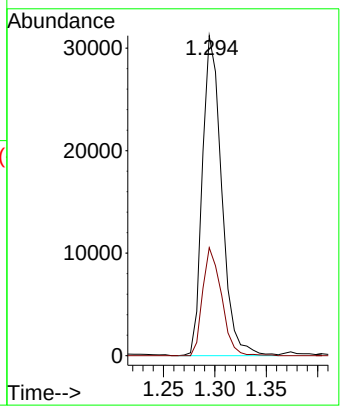




#3
Chloromethane
Concen: 16.605 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 50 Resp: 4094

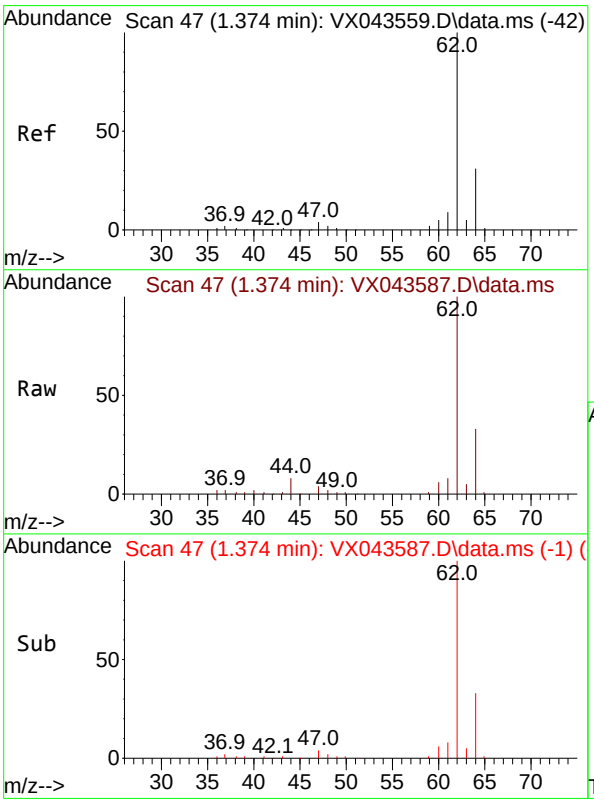
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

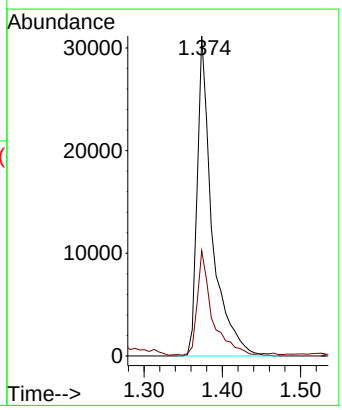
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

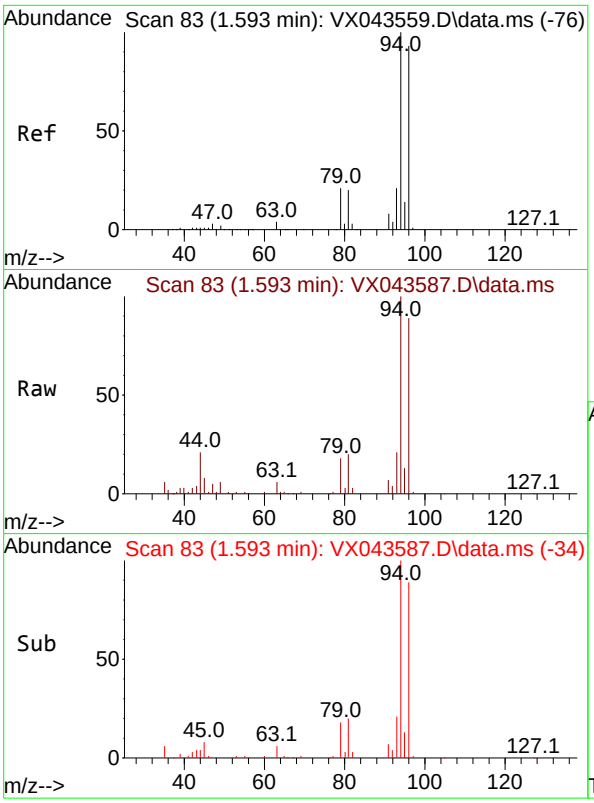


#4
Vinyl Chloride
Concen: 18.065 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 62 Resp: 41339

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.0	37.4

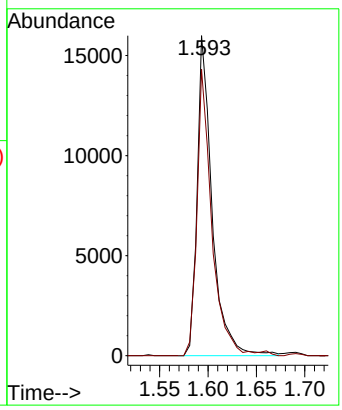




#5
Bromomethane
Concen: 18.591 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 94 Resp: 1734

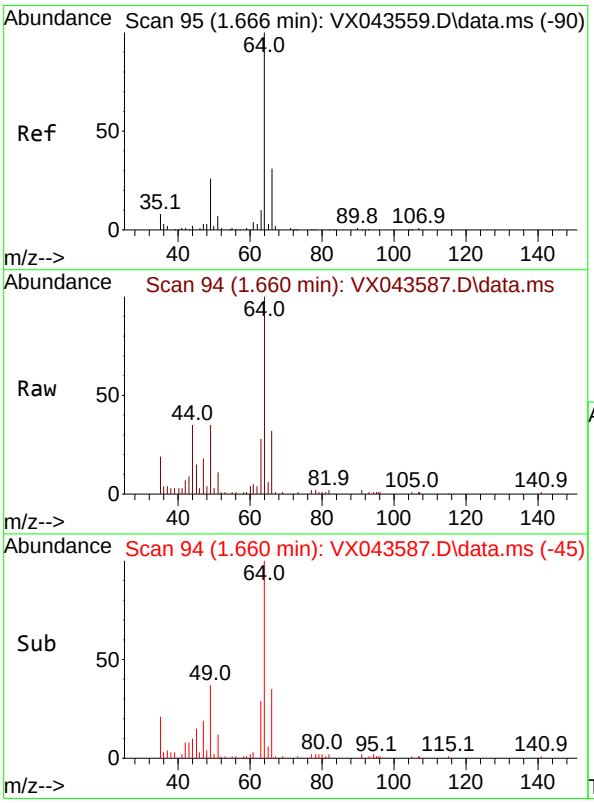
Ion	Ratio	Lower	Upper
94	100		
96	89.4	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

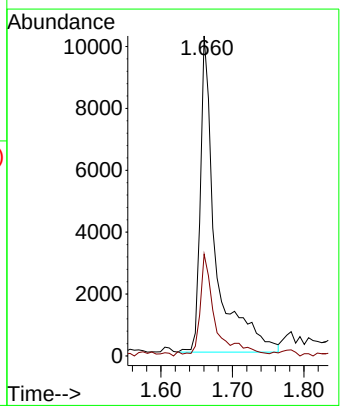
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

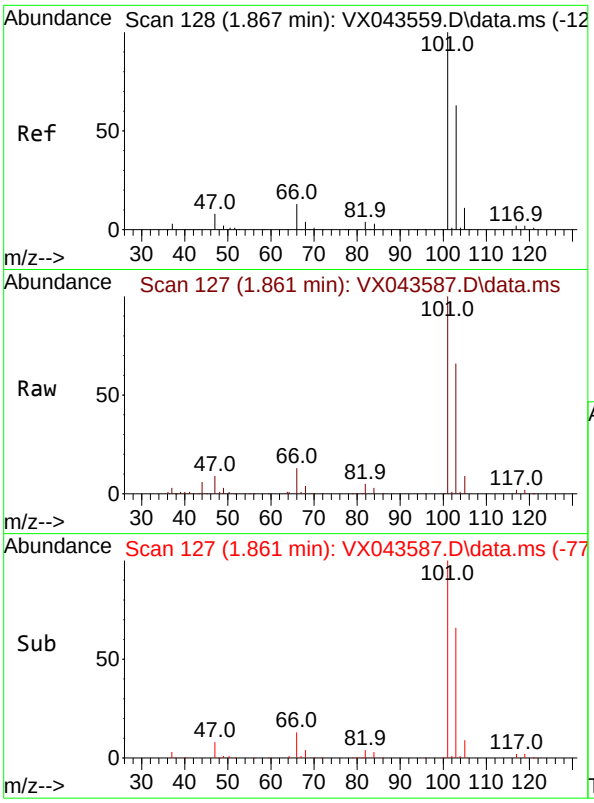


#6
Chloroethane
Concen: 18.949 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 64 Resp: 15277

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.1	37.7





#7
Trichlorofluoromethane
Concen: 20.570 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

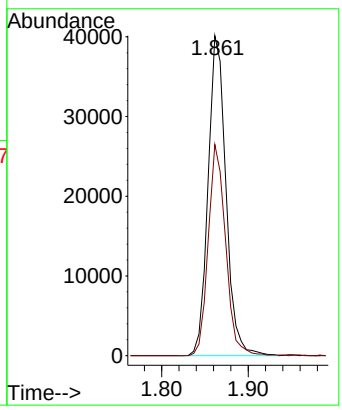
Tgt Ion:101 Resp: 5750

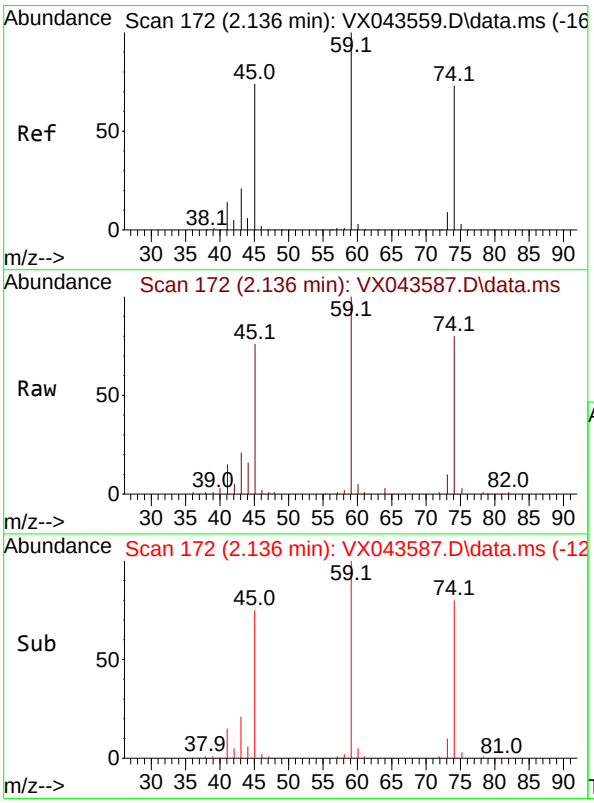
Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

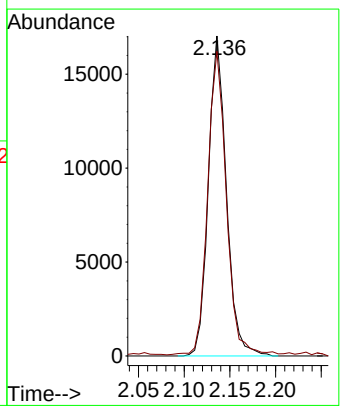


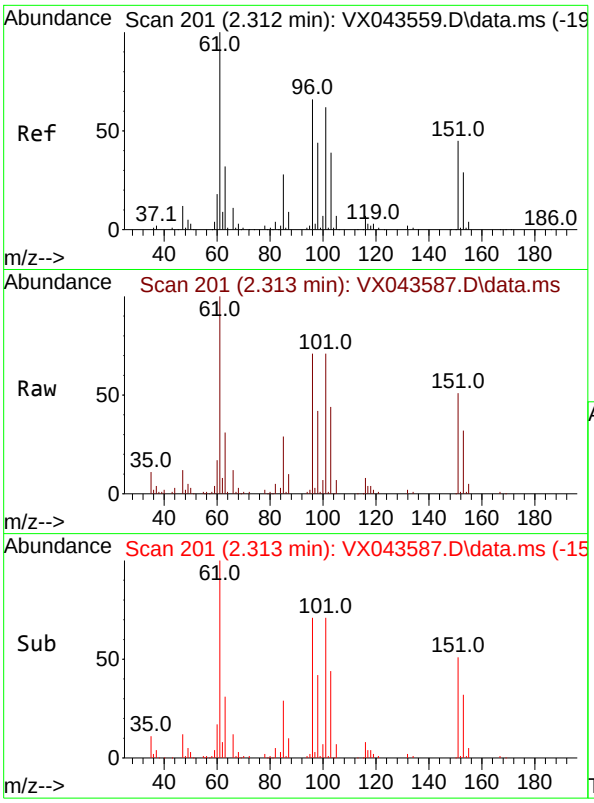


#8
Diethyl Ether
Concen: 18.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 74 Resp: 23314

Ion	Ratio	Lower	Upper
74	100		
45	98.1	47.5	142.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.809 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

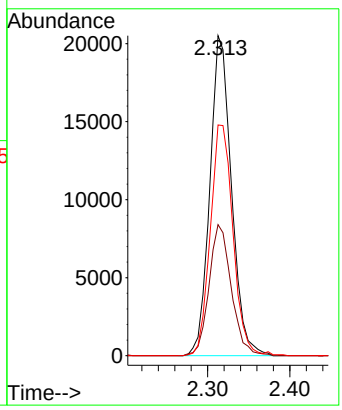
Tgt Ion:101 Resp: 3745

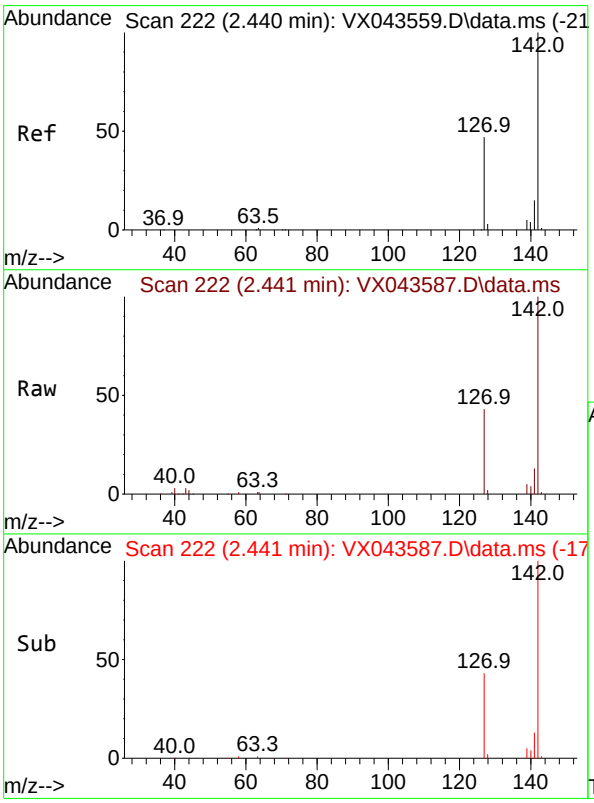
Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.5	51.7
151	75.7	58.2	87.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

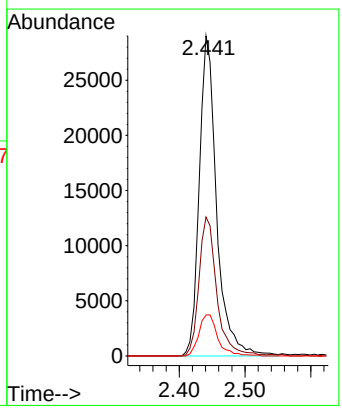


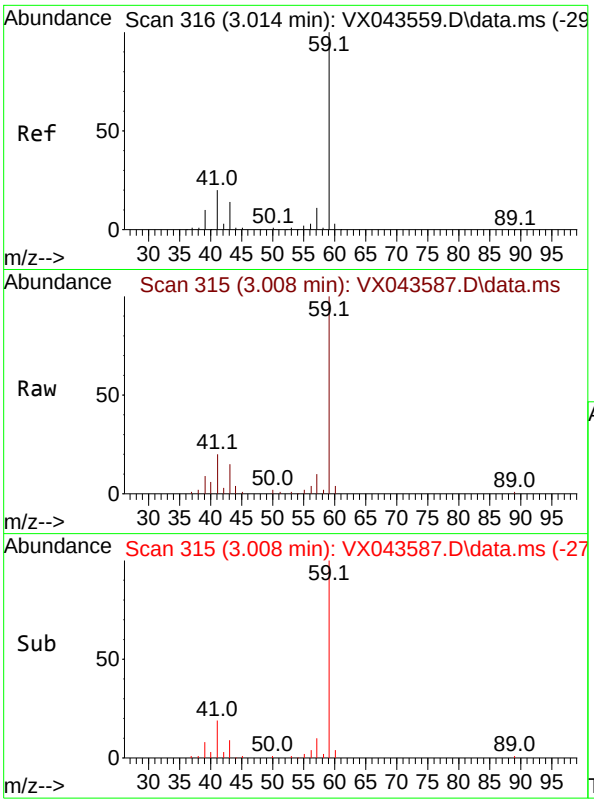


#10
Methyl Iodide
Concen: 19.499 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:142 Resp: 53263

Ion	Ratio	Lower	Upper
142	100		
127	44.7	38.2	57.4
141	14.0	11.5	17.3





#11
Tert butyl alcohol
Concen: 106.205 ug/l m
RT: 3.008 min Scan# 3
Delta R.T. -0.042 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

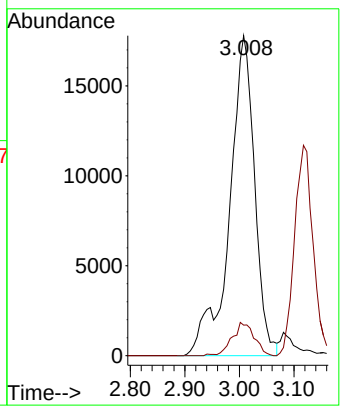
Tgt Ion: 59 Resp: 5701

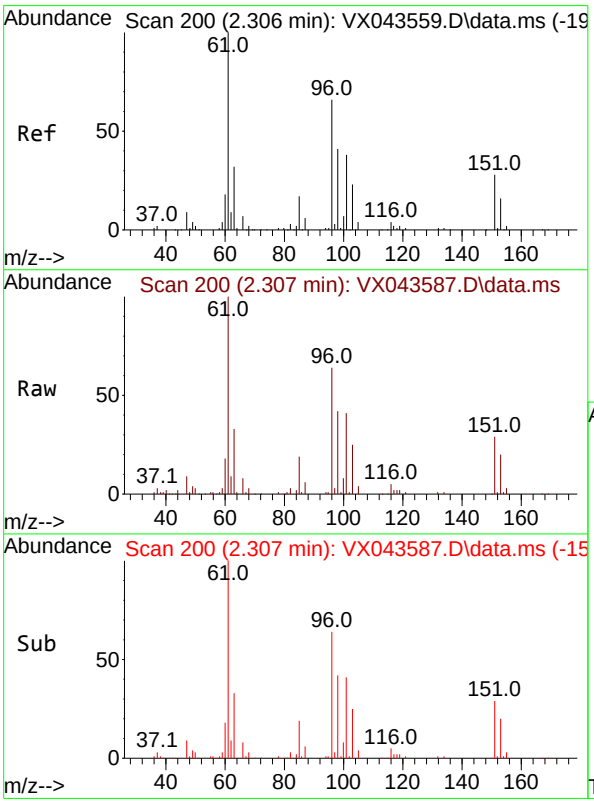
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

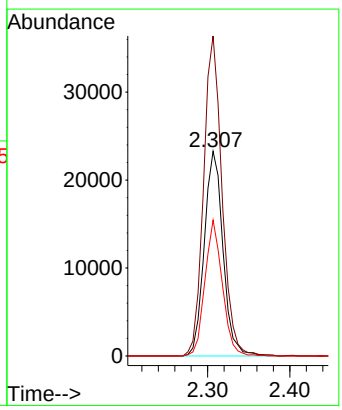


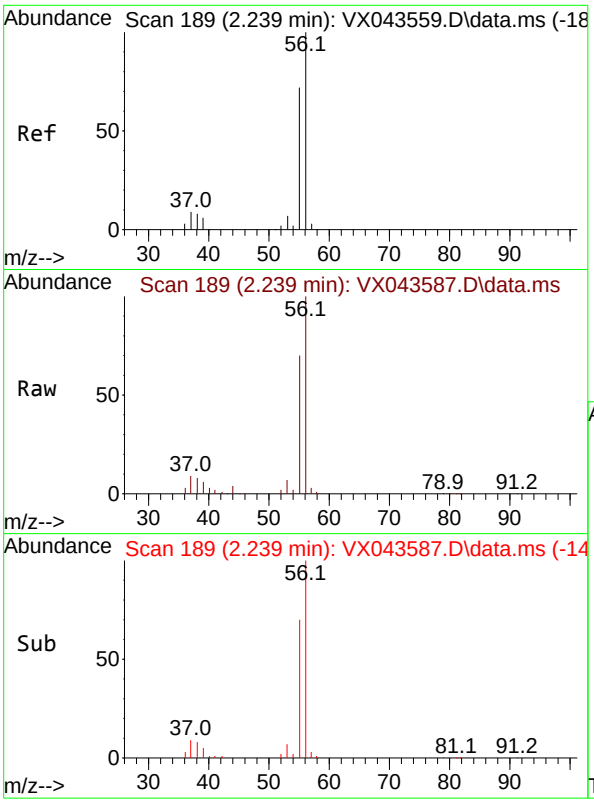


#12
1,1-Dichloroethene
Concen: 19.070 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 96 Resp: 36845

Ion	Ratio	Lower	Upper
96	100		
61	156.4	130.2	195.4
98	66.4	51.0	76.6

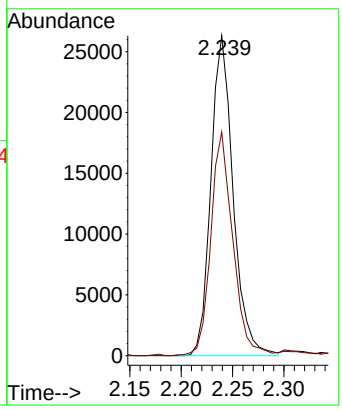




#13
Acrolein
Concen: 94.177 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 56 Resp: 3953

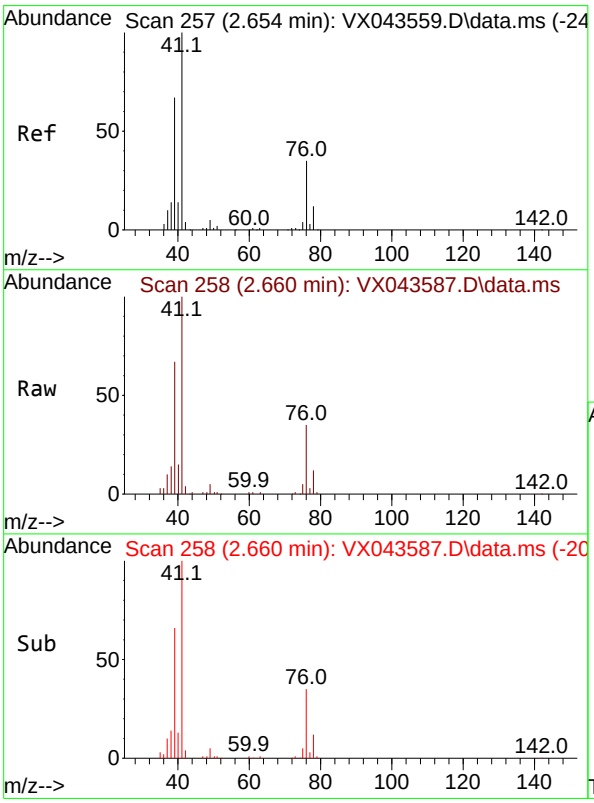
Ion	Ratio	Lower	Upper
56	100		
55	69.0	55.3	82.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

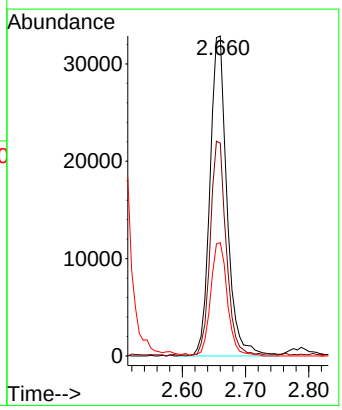
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

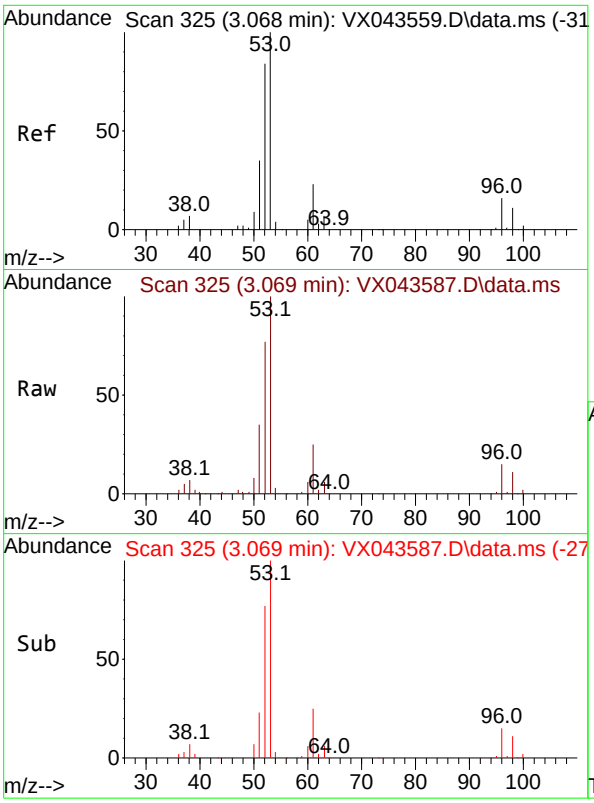


#14
Allyl chloride
Concen: 18.409 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 41 Resp: 61519

Ion	Ratio	Lower	Upper
41	100		
39	63.0	53.2	79.8
76	34.6	27.0	40.6





#15
Acrylonitrile
Concen: 90.270 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

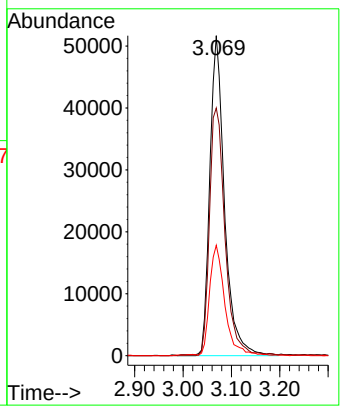
Tgt Ion: 53 Resp: 10940

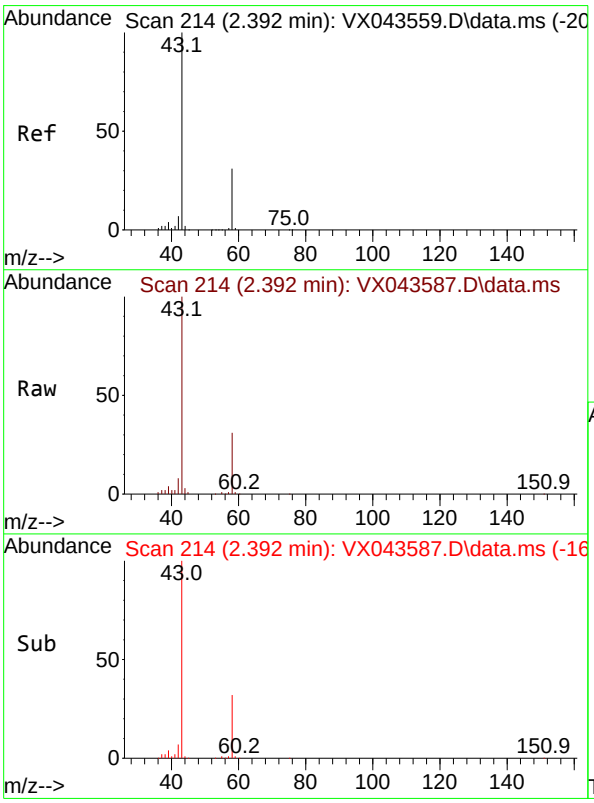
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.8	98.6
51	35.3	28.5	42.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

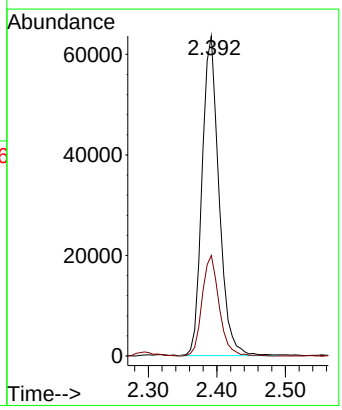


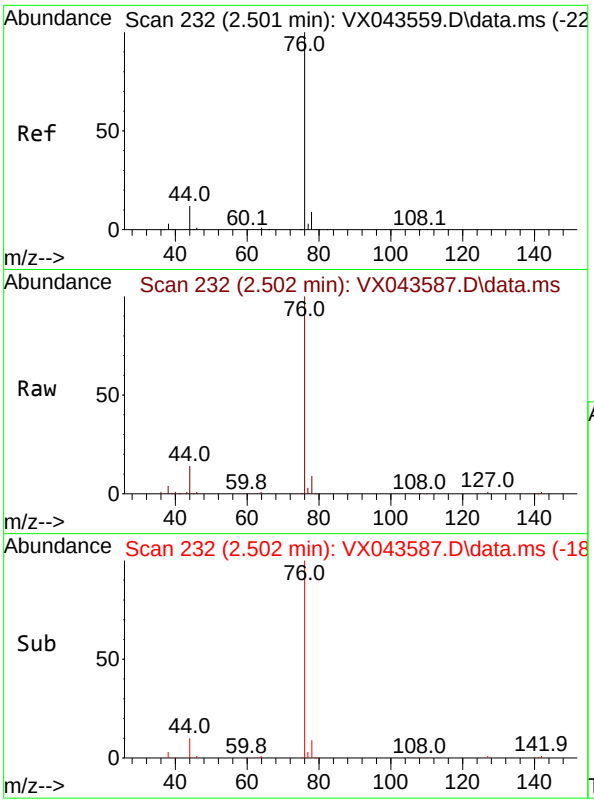


#16
Acetone
Concen: 95.756 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 109359

Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.1	37.7





#17
Carbon Disulfide
Concen: 18.108 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

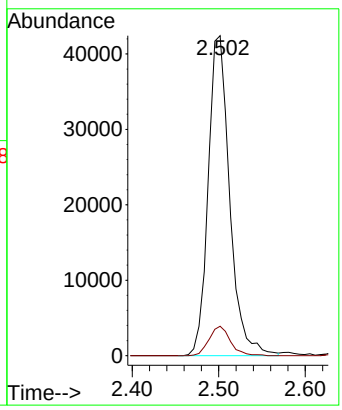
Tgt Ion: 76 Resp: 7315

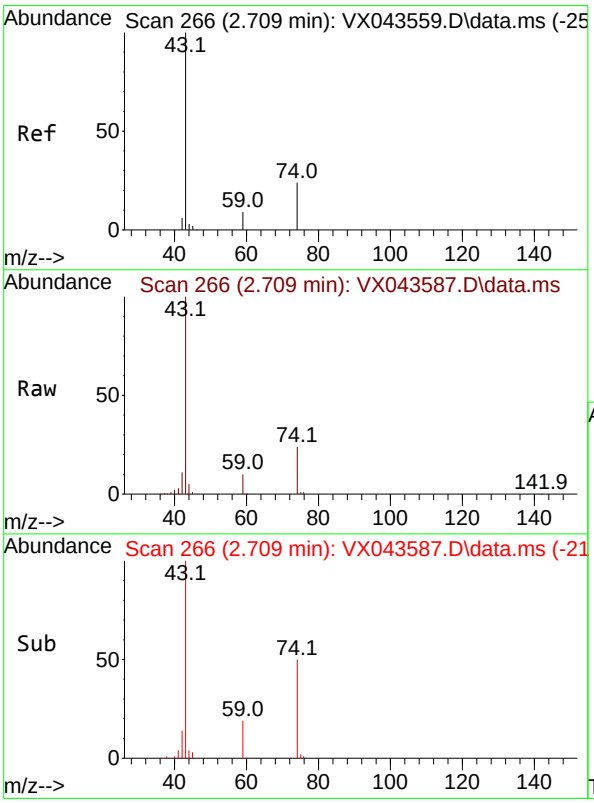
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

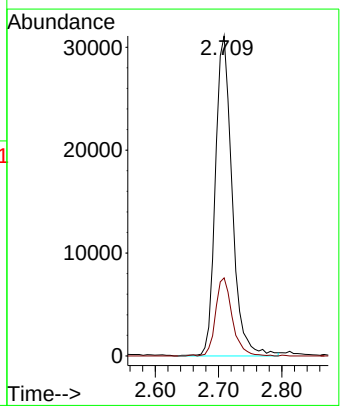


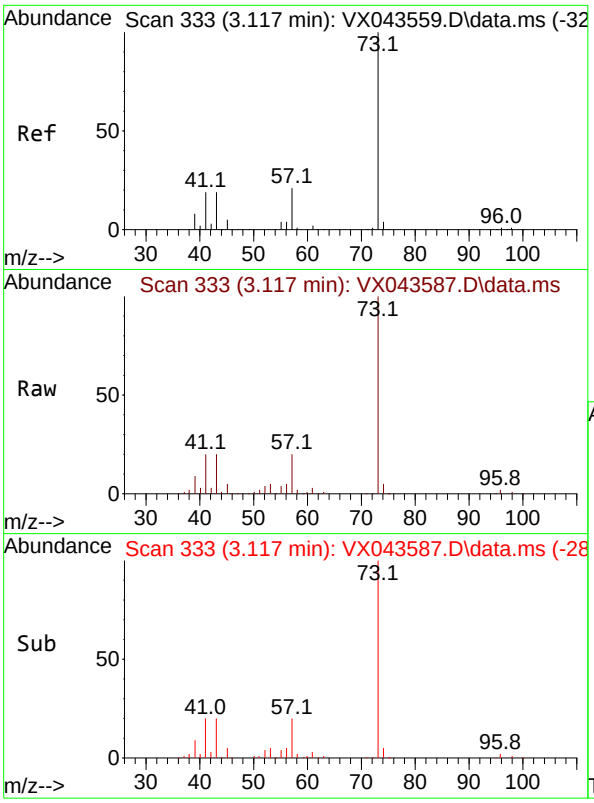


#18
Methyl Acetate
Concen: 17.138 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 57203

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.1	28.7

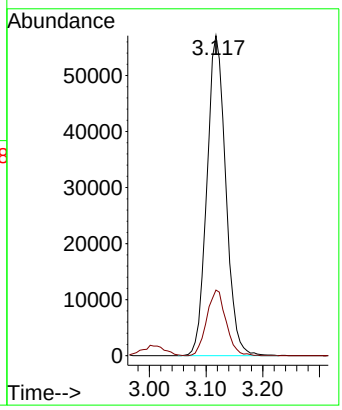




#19
Methyl tert-butyl Ether
Concen: 17.936 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 73 Resp: 13178

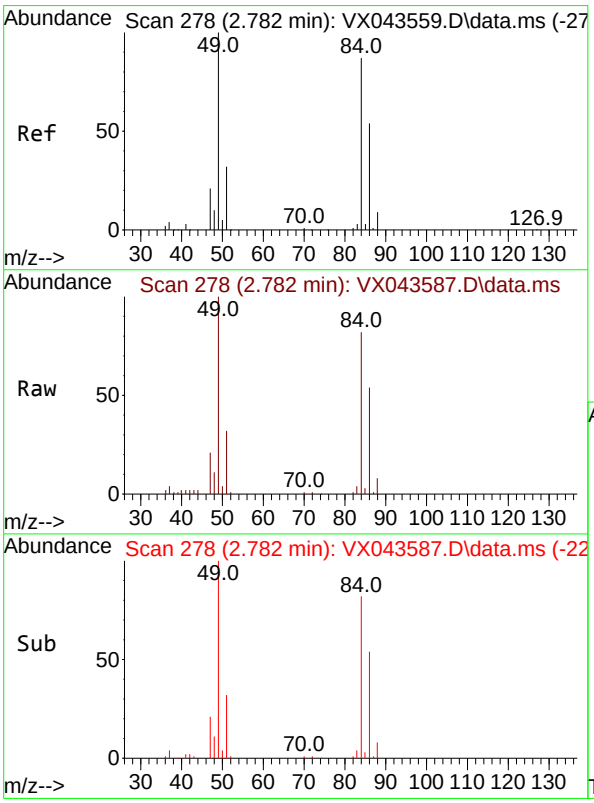
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

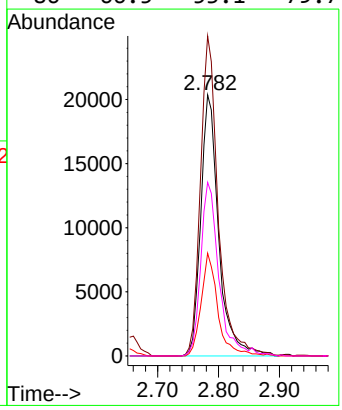
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

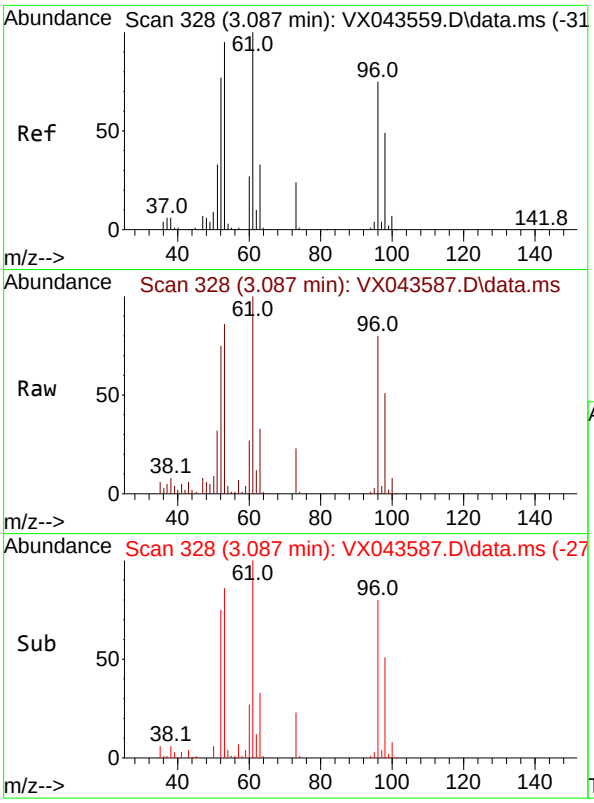


#20
Methylene Chloride
Concen: 16.993 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 84 Resp: 41826

Ion	Ratio	Lower	Upper
84	100		
49	122.5	97.0	145.6
51	39.4	29.8	44.8
86	66.5	53.1	79.7

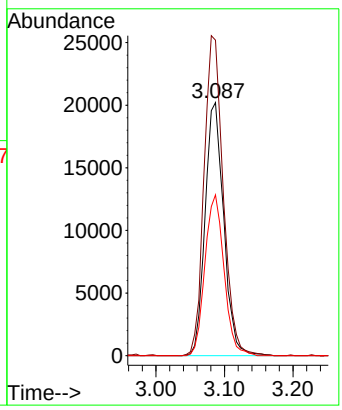




#21
trans-1,2-Dichloroethene
Concen: 18.718 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 96 Resp: 3820

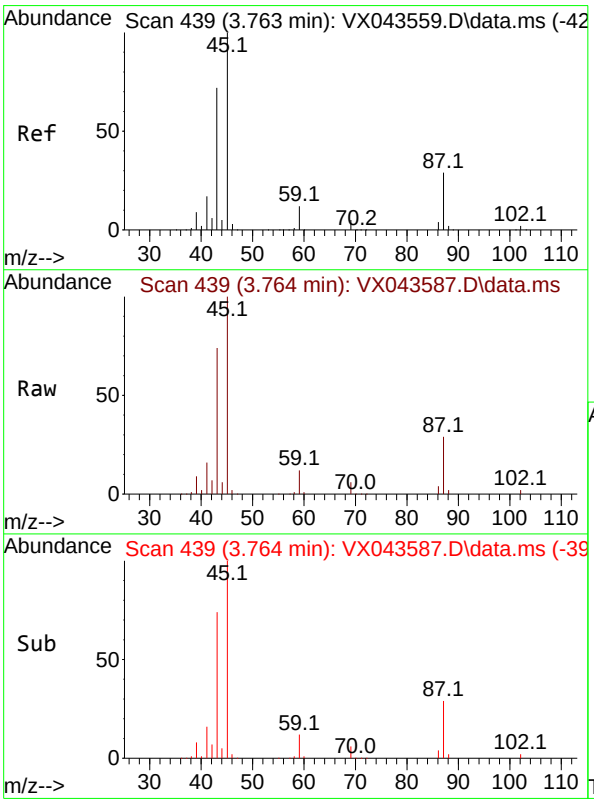
Ion	Ratio	Lower	Upper
96	100		
61	124.7	107.1	160.7
98	63.5	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

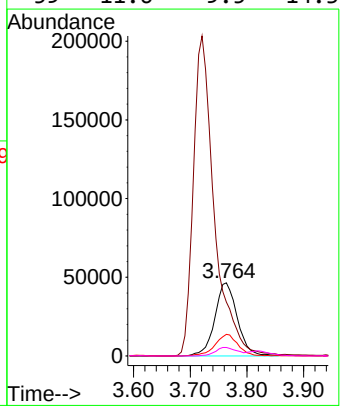
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

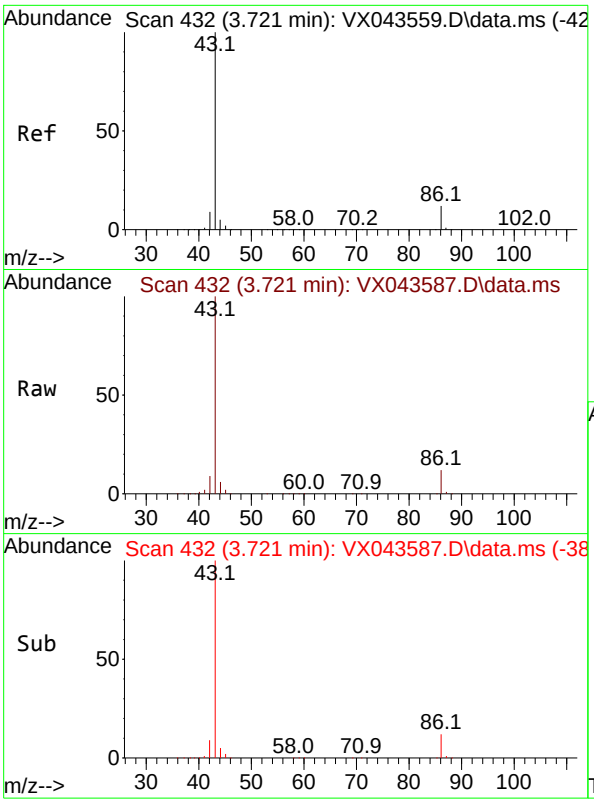


#22
Diisopropyl ether
Concen: 18.494 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 45 Resp: 127741

Ion	Ratio	Lower	Upper
45	100		
43	72.8	60.6	90.8
87	29.5	22.0	33.0
59	11.6	9.5	14.3





#23
Vinyl Acetate
Concen: 92.311 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

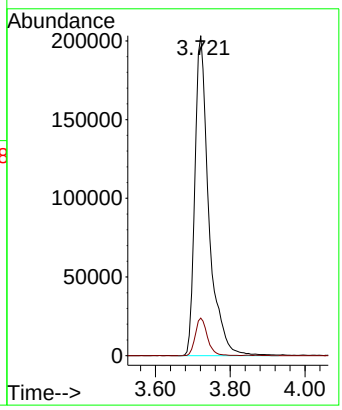
Tgt Ion: 43 Resp: 52677

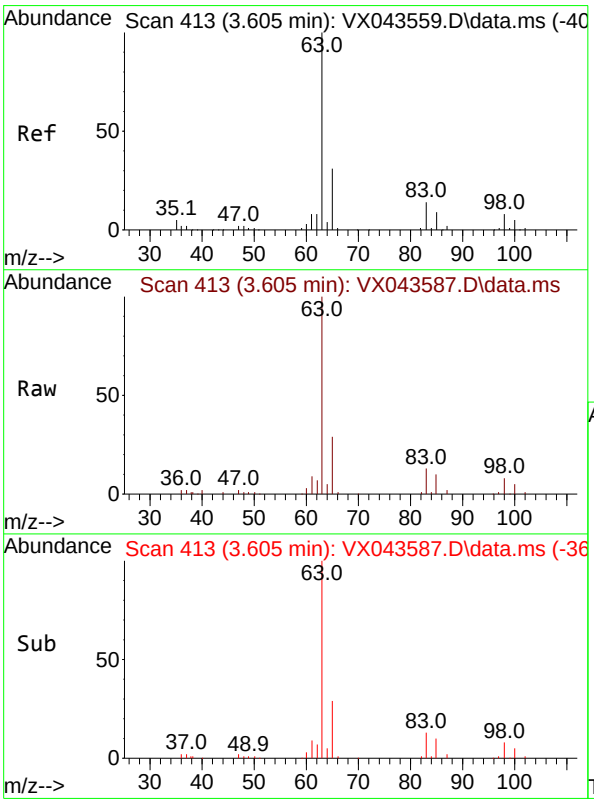
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

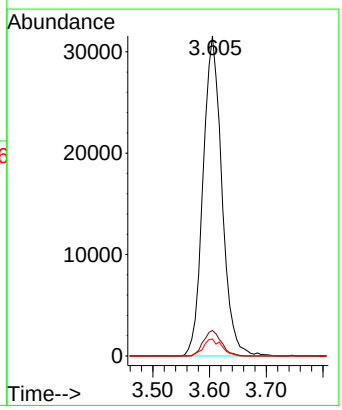


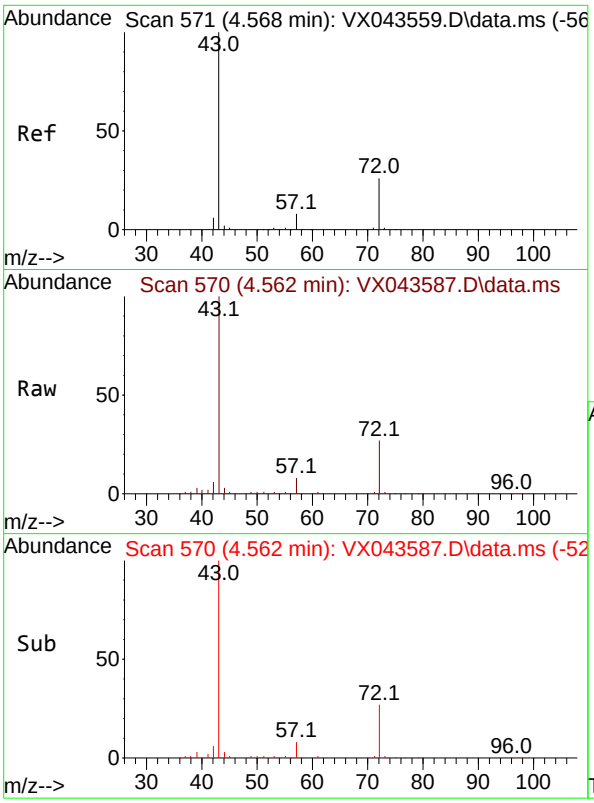


#24
1,1-Dichloroethane
Concen: 18.368 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 63 Resp: 72922

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.4
100	5.3	2.4	7.2





#25
2-Butanone
Concen: 91.321 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

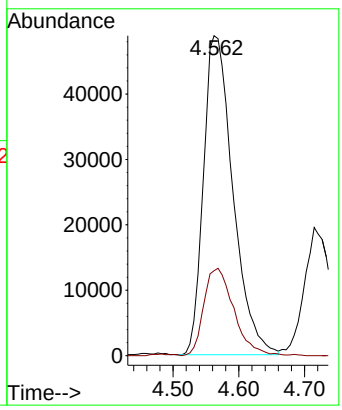
Tgt Ion: 43 Resp: 15213

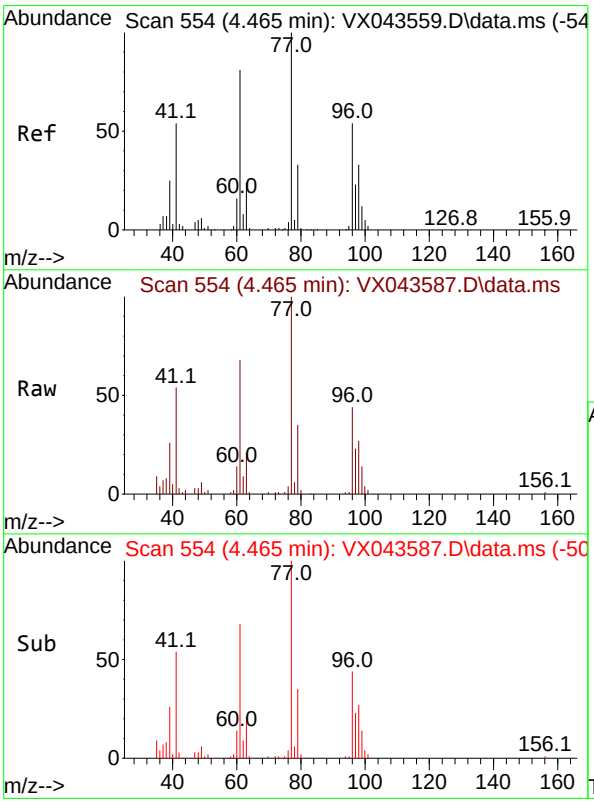
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.1	31.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

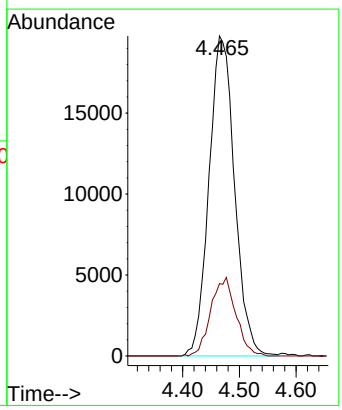


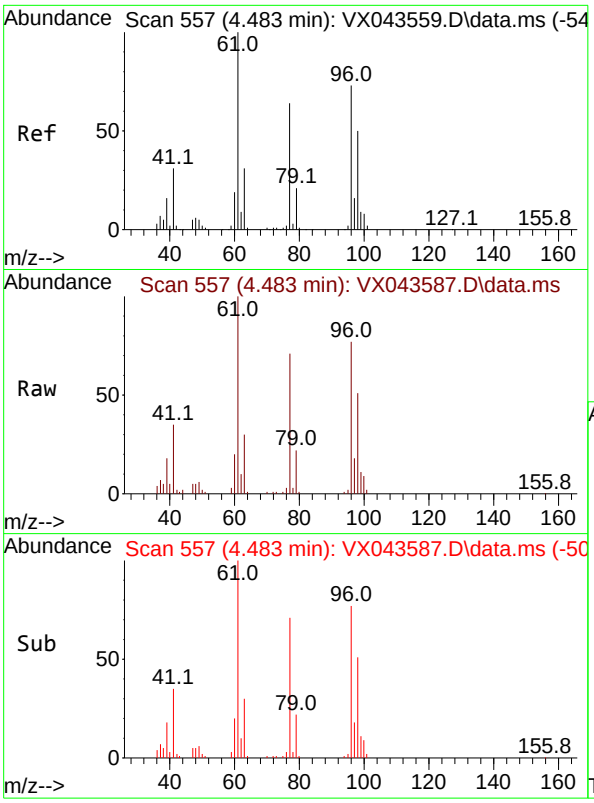


#26
2,2-Dichloropropane
Concen: 19.050 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 77 Resp: 61908

Ion	Ratio	Lower	Upper
77	100		
97	24.1	11.6	34.8





#27
cis-1,2-Dichloroethene
Concen: 18.602 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

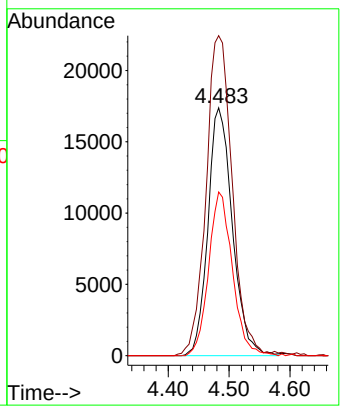
Tgt Ion: 96 Resp: 4850

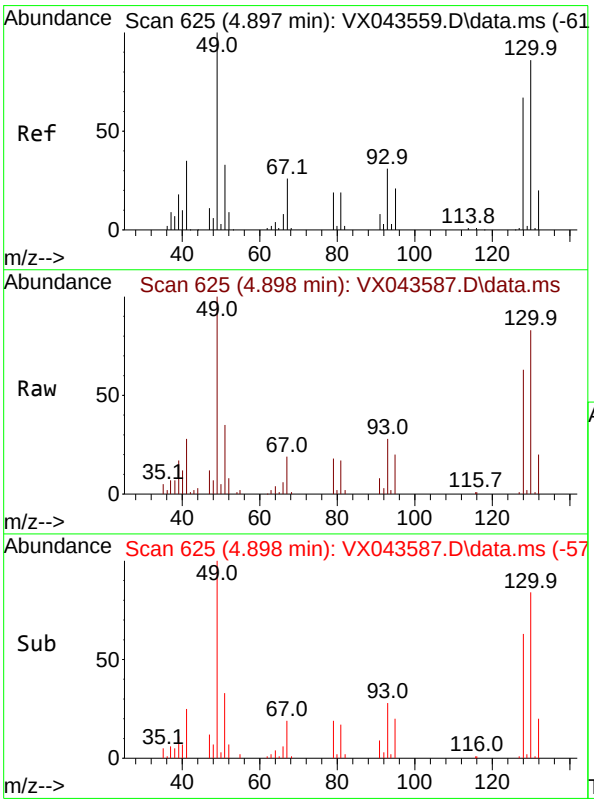
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	277.2
98	64.2	0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

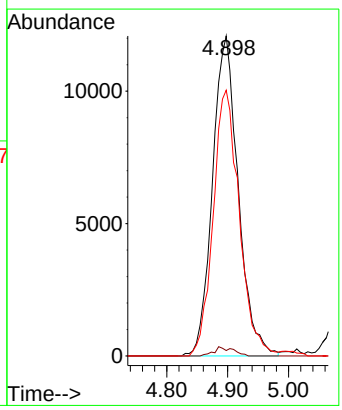


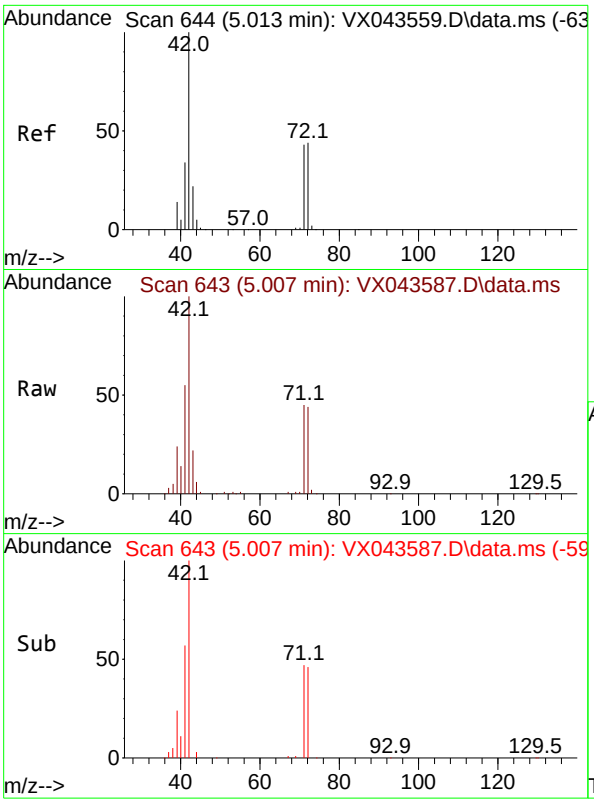


#28
Bromochloromethane
Concen: 18.753 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 49 Resp: 35416

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.4	67.8	101.8

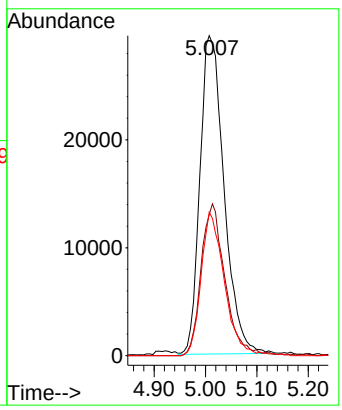




#29
Tetrahydrofuran
Concen: 88.912 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 42 Resp: 9626

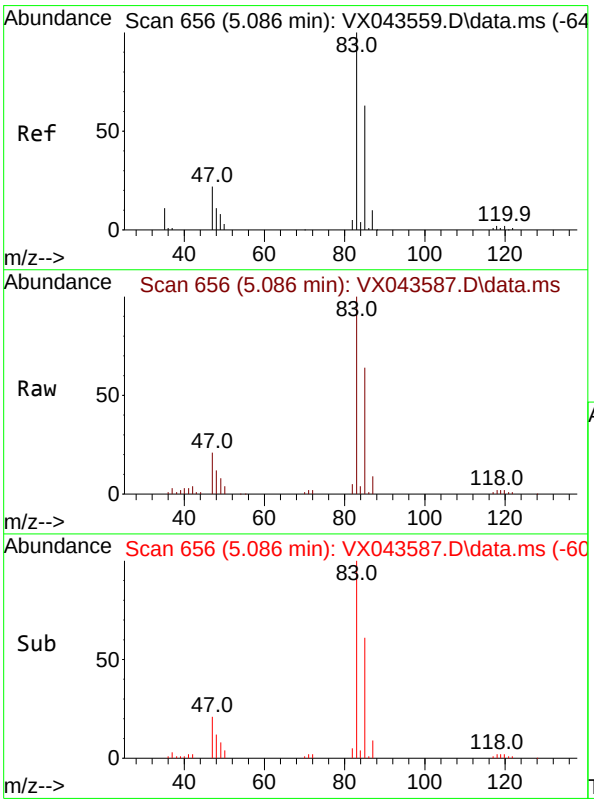
Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.6	55.0
71	43.7	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

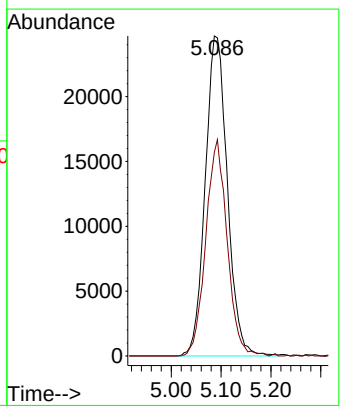
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

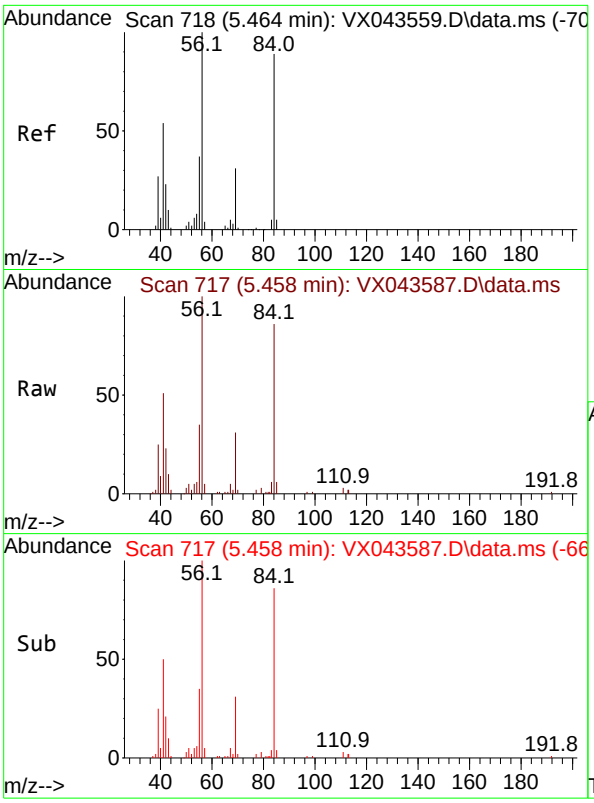


#30
Chloroform
Concen: 18.258 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 83 Resp: 75982

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4

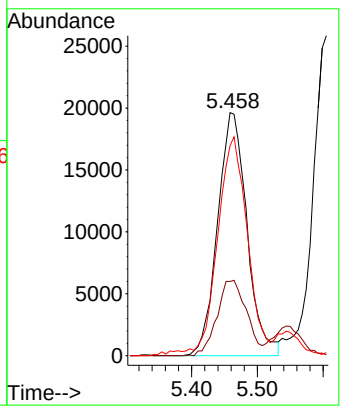




#31
Cyclohexane
Concen: 20.070 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 56 Resp: 6094

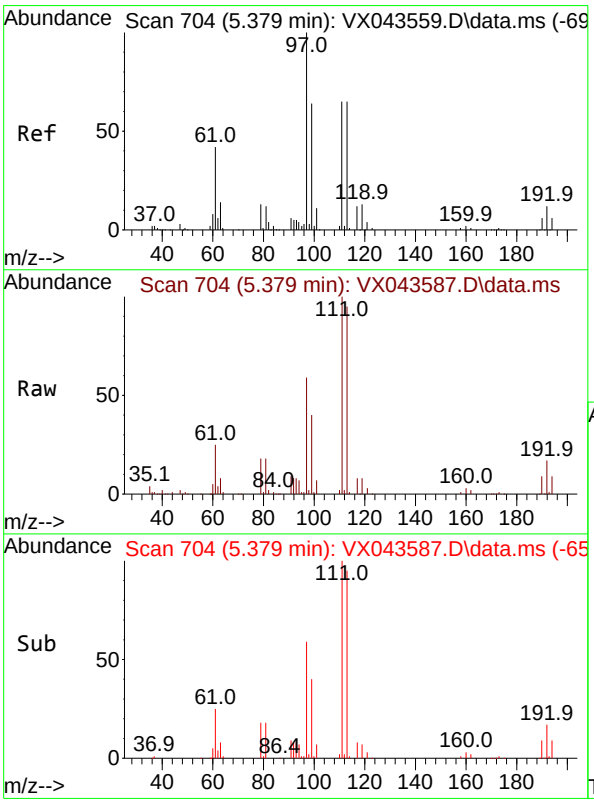
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.9	37.3
84	84.3	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

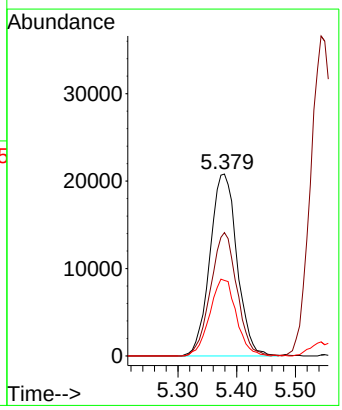
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

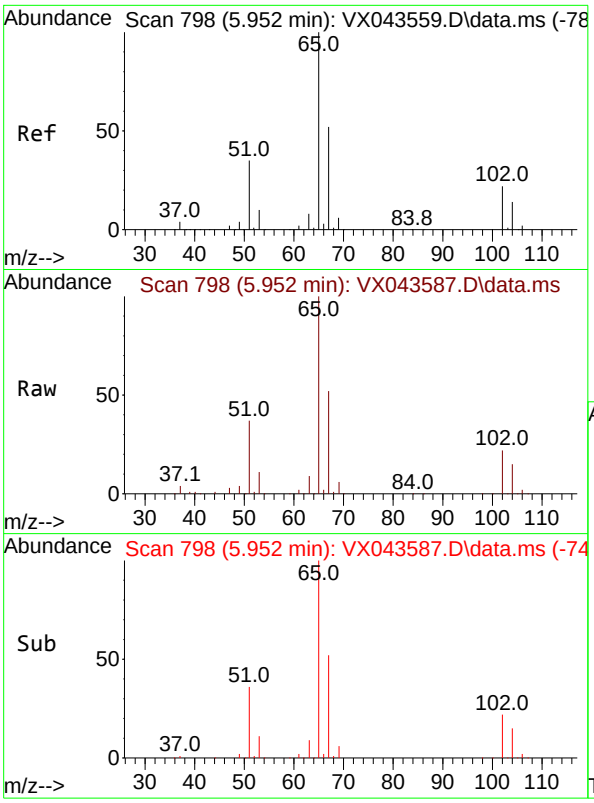


#32
1,1,1-Trichloroethane
Concen: 19.074 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 97 Resp: 66644

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	41.3	34.0	51.0

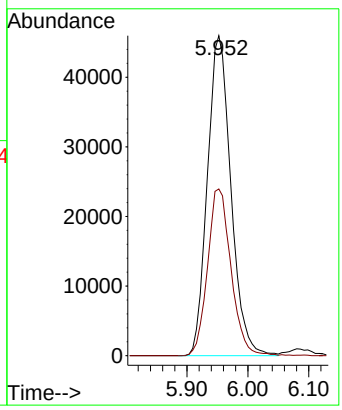




#33
1,2-Dichloroethane-d4
Concen: 42.871 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 65 Resp: 12329

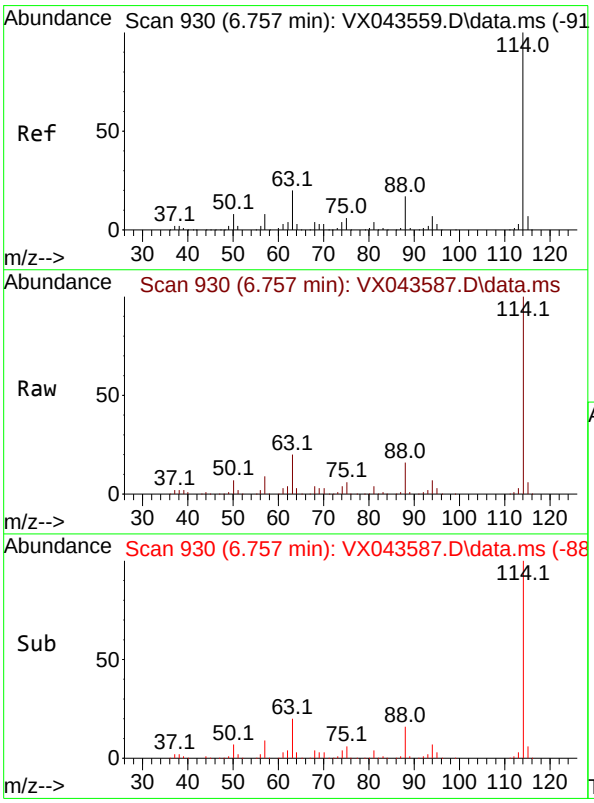
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

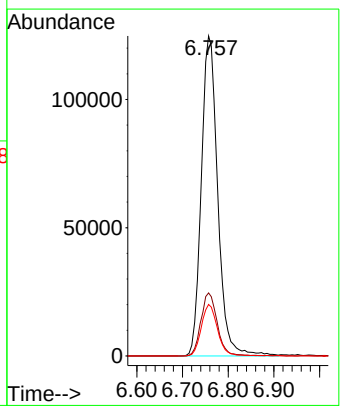
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

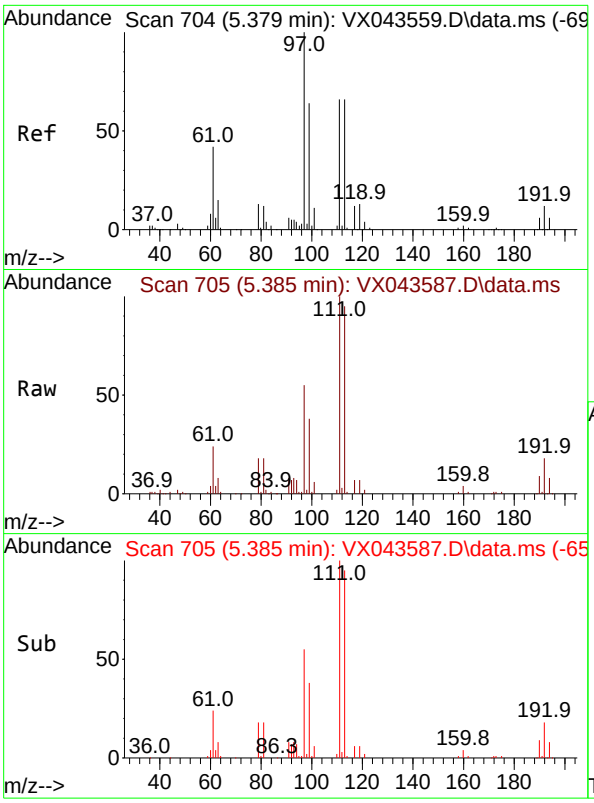


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:114 Resp: 312050

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.2
88	16.1	0.0	34.0

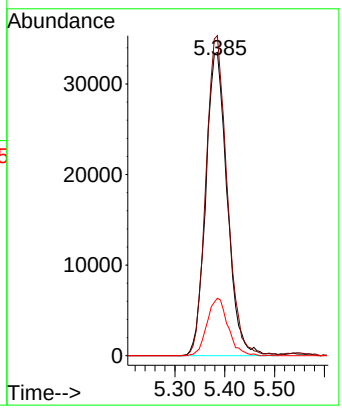




#35
Dibromofluoromethane
Concen: 47.211 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:113 Resp: 9989

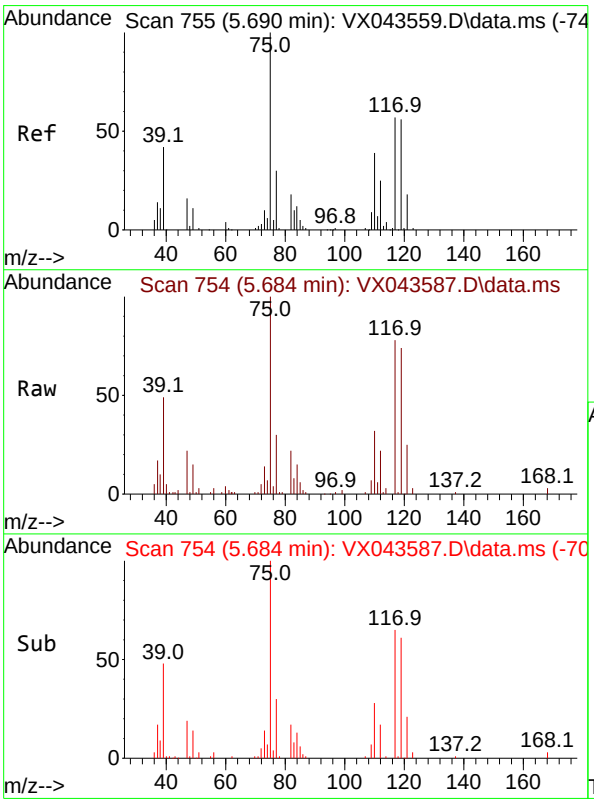
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.0
192	18.5	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

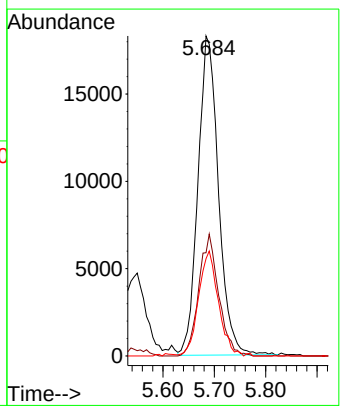
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

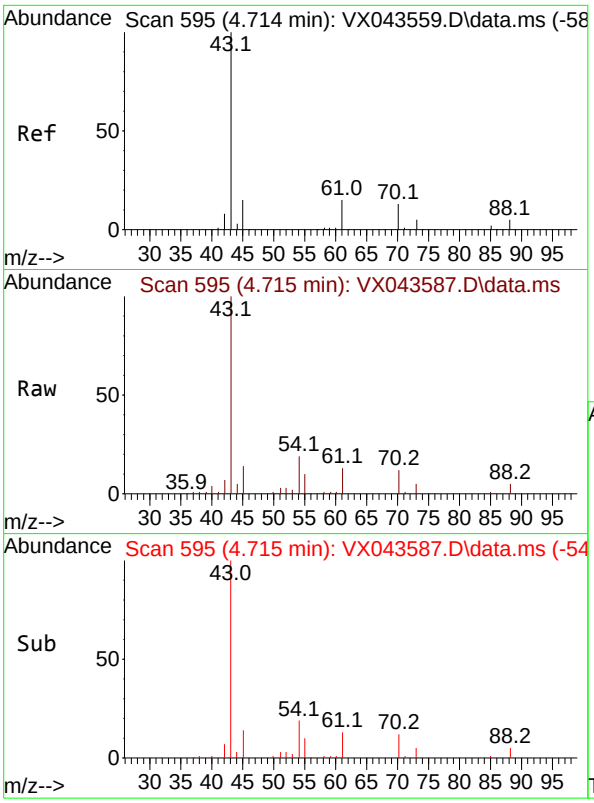


#36
1,1-Dichloropropene
Concen: 20.217 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 50726

Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.9	53.7
77	31.7	25.0	37.4

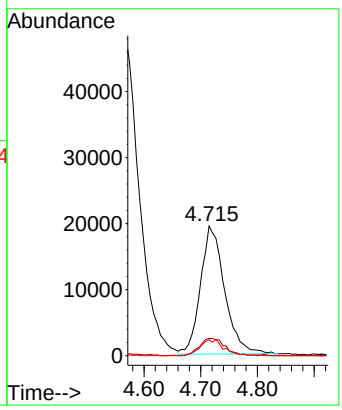




#37
Ethyl Acetate
Concen: 18.885 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 5752

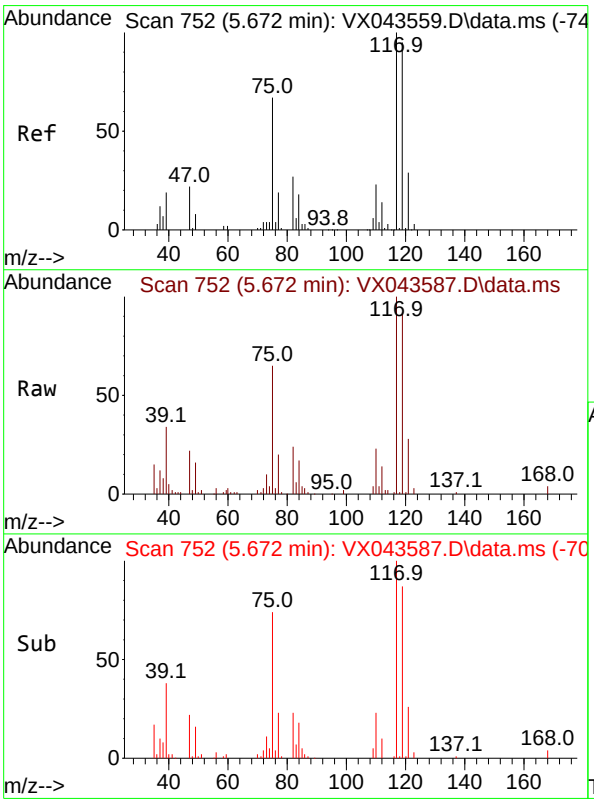
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	12.1	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

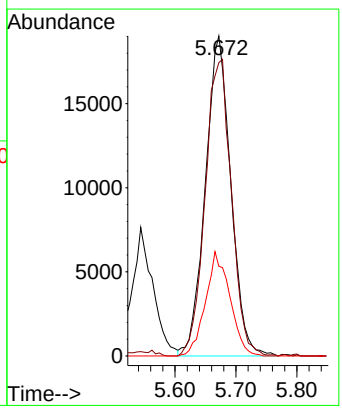
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

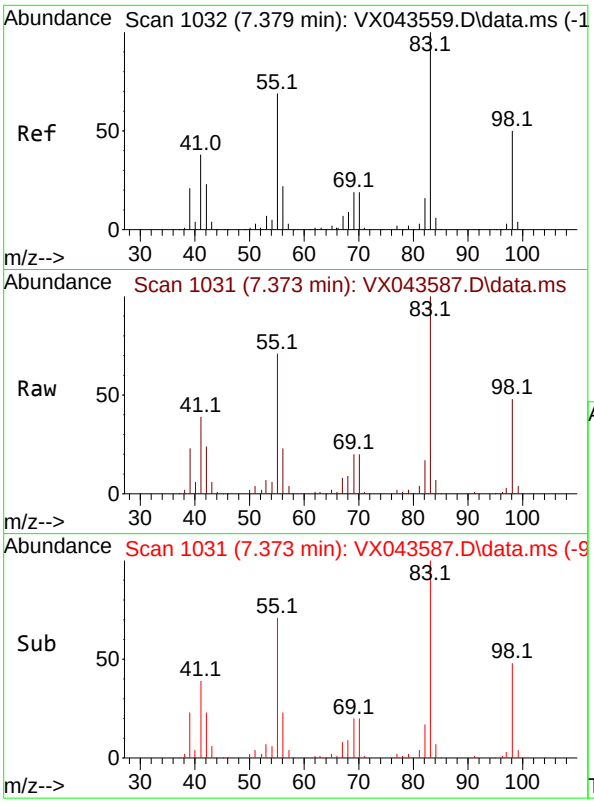


#38
Carbon Tetrachloride
Concen: 19.952 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:117 Resp: 55313

Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.0	115.6
121	28.1	24.7	37.1





#39
Methylcyclohexane
Concen: 21.041 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

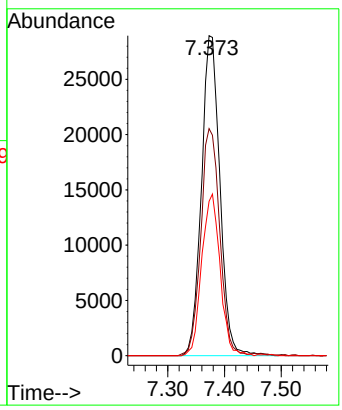
Tgt Ion: 83 Resp: 6554

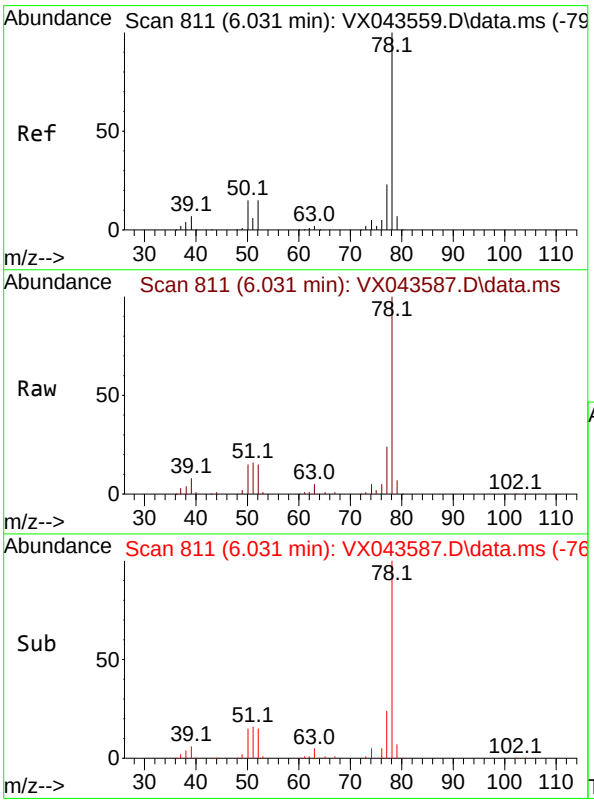
Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.9	89.9
98	48.3	41.3	61.9

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

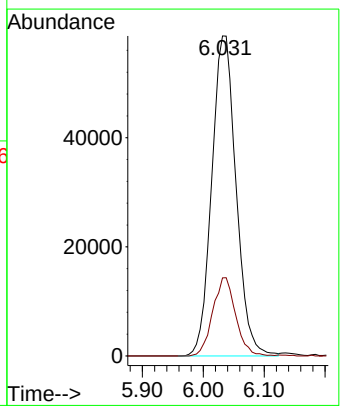


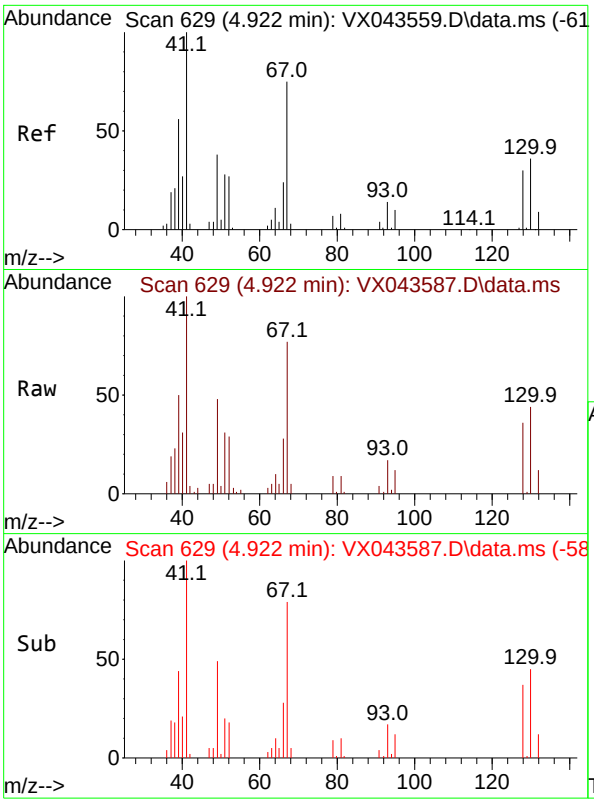


#40
Benzene
Concen: 19.451 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 78 Resp: 162811

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.4	27.6

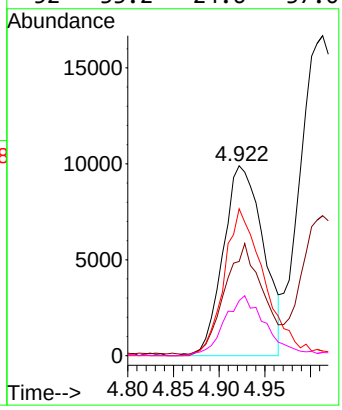




#41
Methacrylonitrile
Concen: 18.975 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 41 Resp: 3034

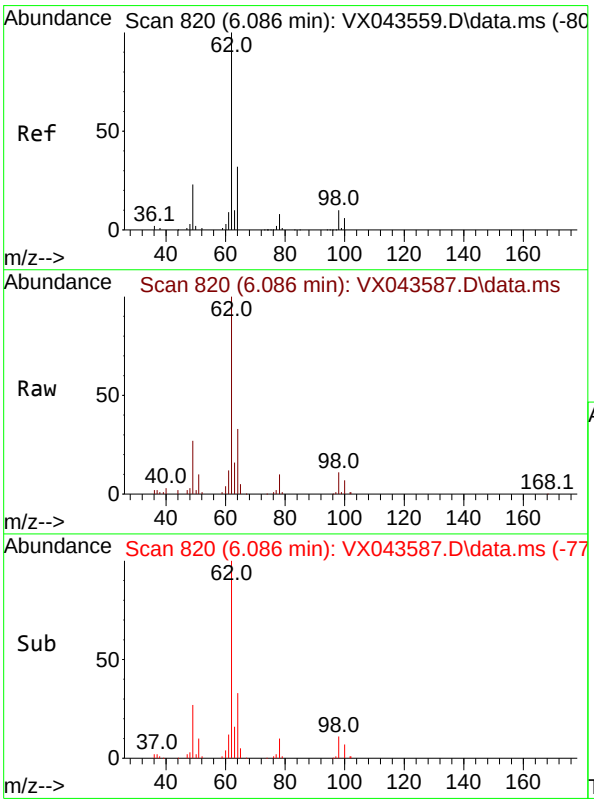
Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.5	65.3
67	78.2	58.3	87.5
52	33.2	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

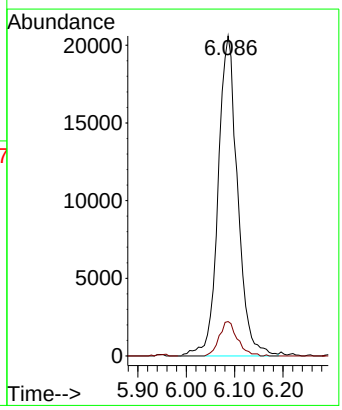
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

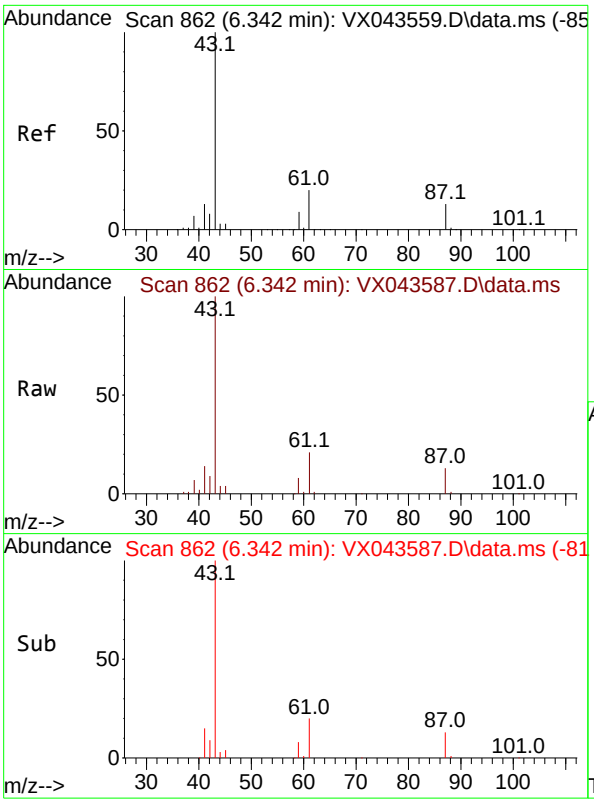


#42
1,2-Dichloroethane
Concen: 19.172 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 62 Resp: 57693

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.8

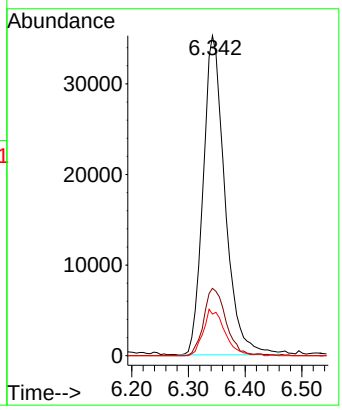




#43
Isopropyl Acetate
Concen: 18.732 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 9436

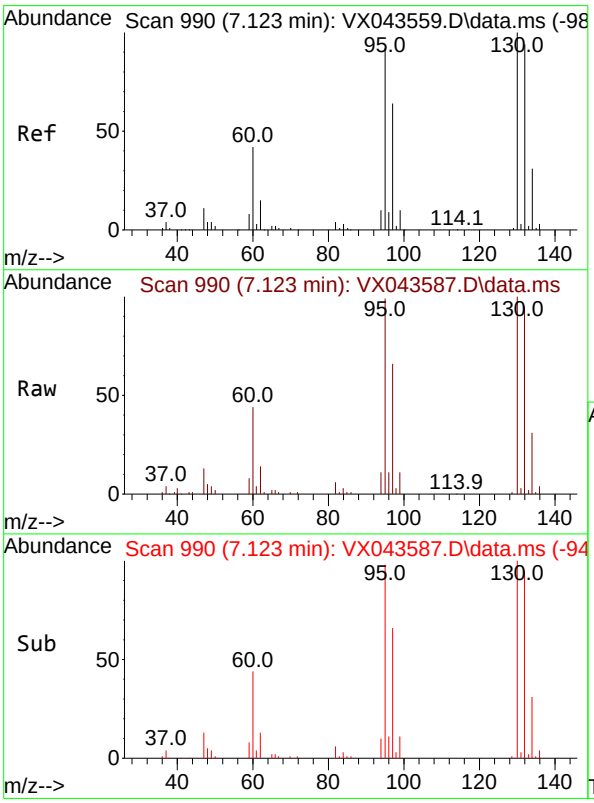
Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.2	24.4
87	14.1	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

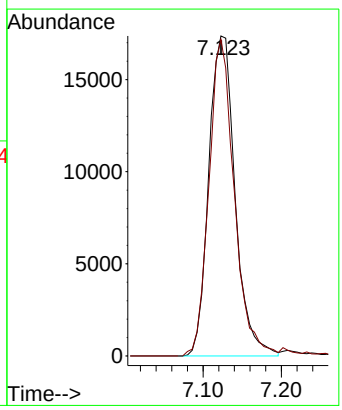
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

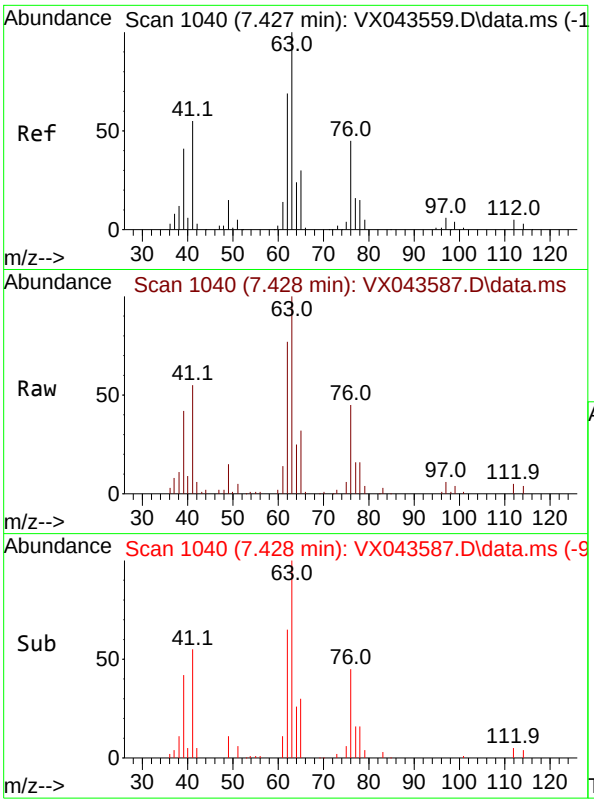


#44
Trichloroethene
Concen: 19.513 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:130 Resp: 40576

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	202.6





#45
1,2-Dichloropropane
Concen: 19.061 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

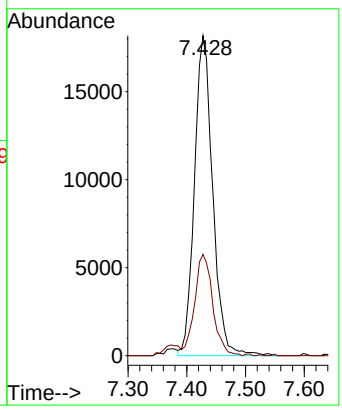
Tgt Ion: 63 Resp: 3928

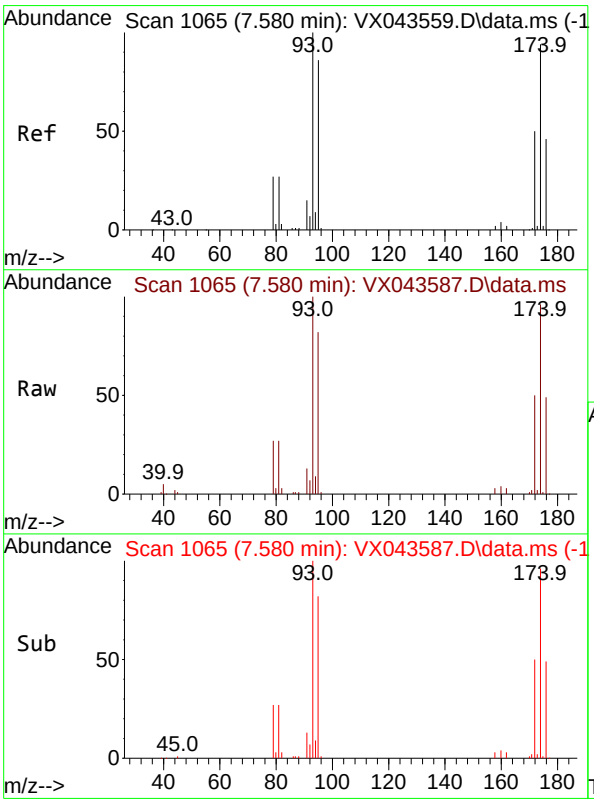
Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

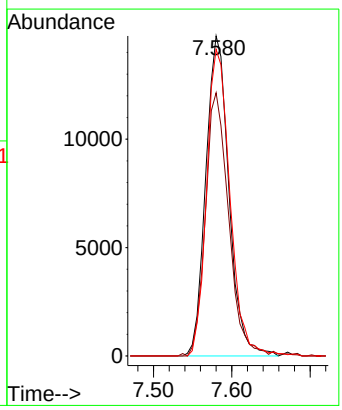


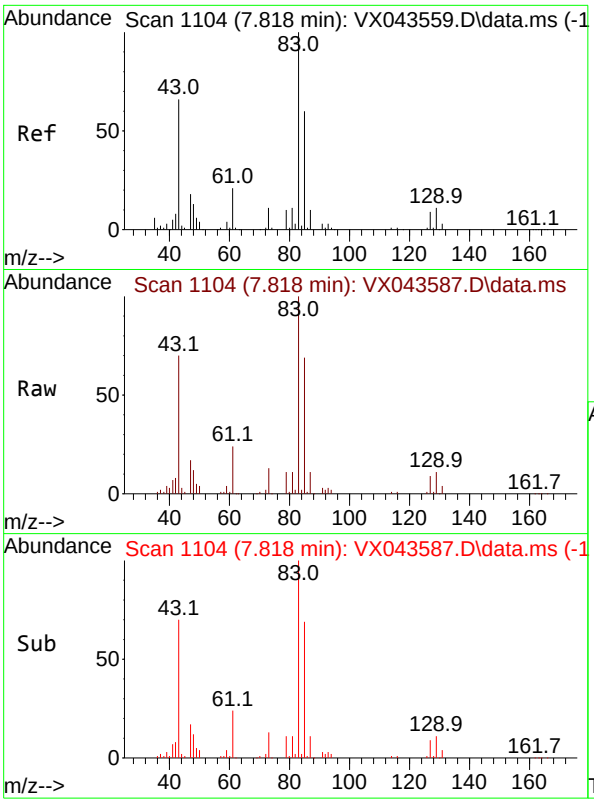


#46
Dibromomethane
Concen: 19.039 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 93 Resp: 30214

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.2	75.0	112.4

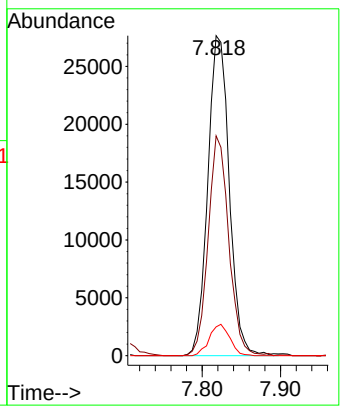




#47
Bromodichloromethane
Concen: 18.918 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 83 Resp: 5266

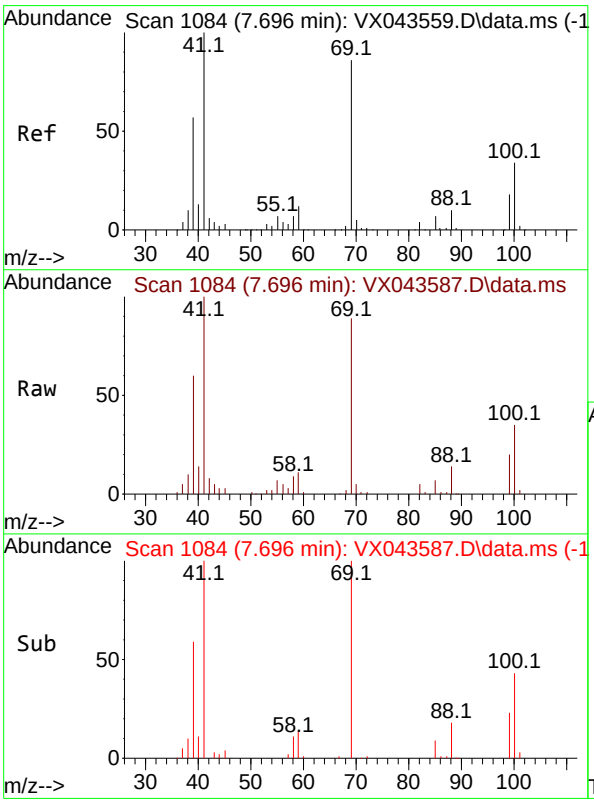
Ion	Ratio	Lower	Upper
83	100		
85	68.7	52.2	78.4
127	9.0	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

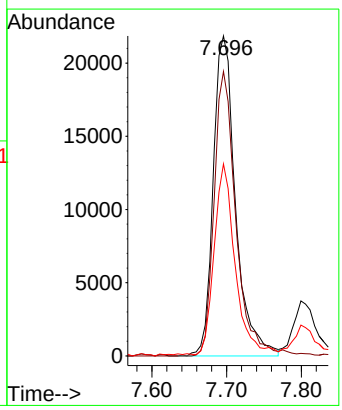
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

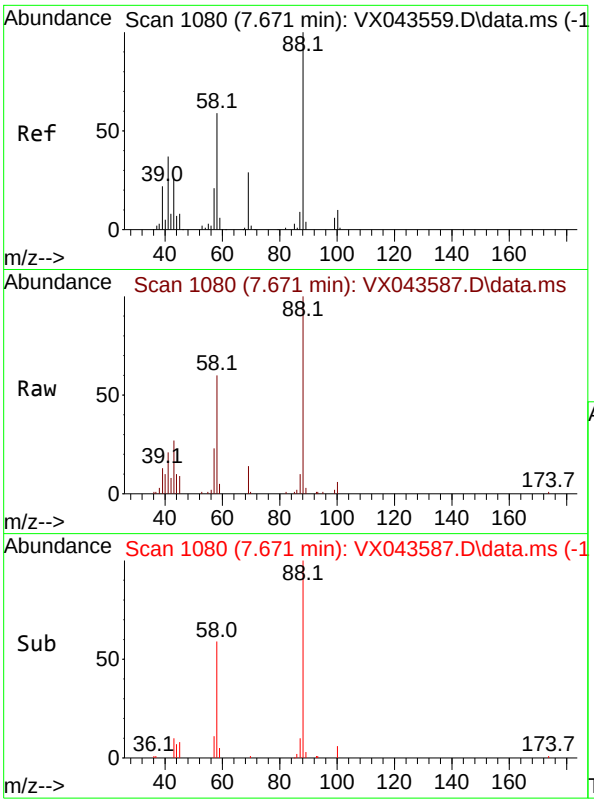


#48
Methyl methacrylate
Concen: 18.984 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 41 Resp: 45342

Ion	Ratio	Lower	Upper
41	100		
69	87.3	67.7	101.5
39	57.8	46.3	69.5





#49
1,4-Dioxane
Concen: 465.320 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

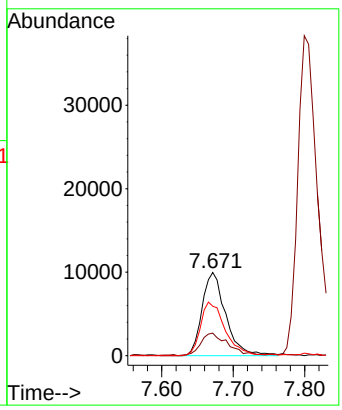
Tgt Ion: 88 Resp: 2283

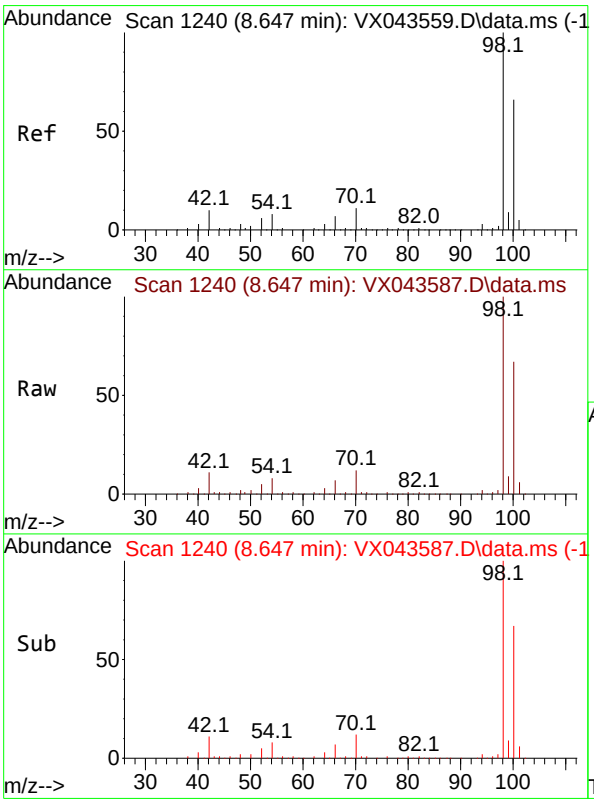
Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	66.6	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

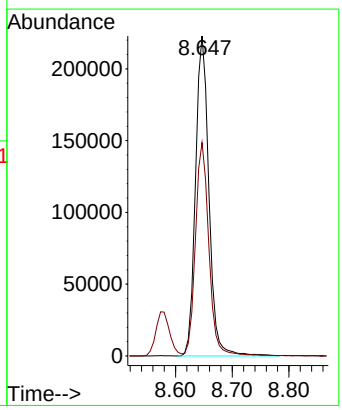


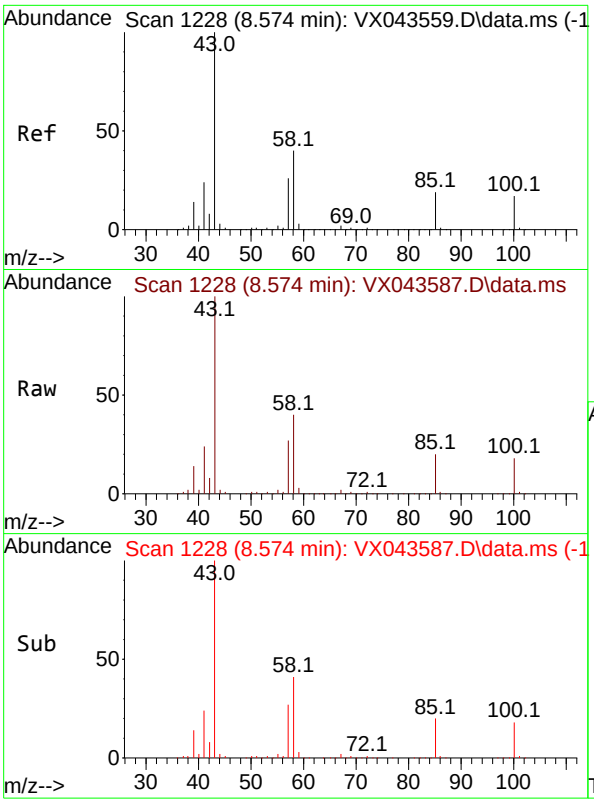


#50
Toluene-d8
Concen: 50.025 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 98 Resp: 366426

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





#51
4-Methyl-2-Pentanone
Concen: 98.818 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

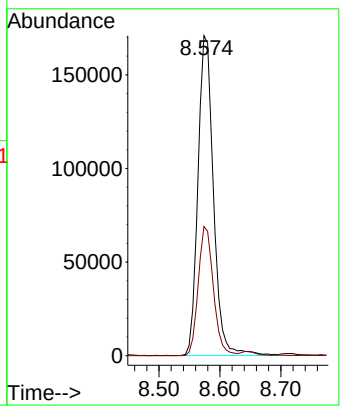
Tgt Ion: 43 Resp: 30341

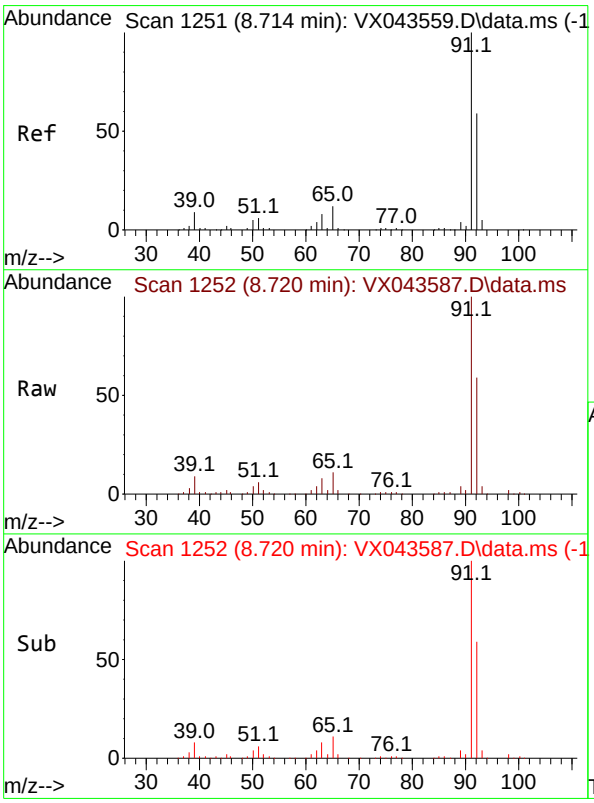
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.7	47.5

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

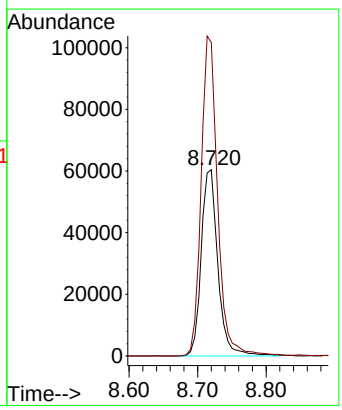


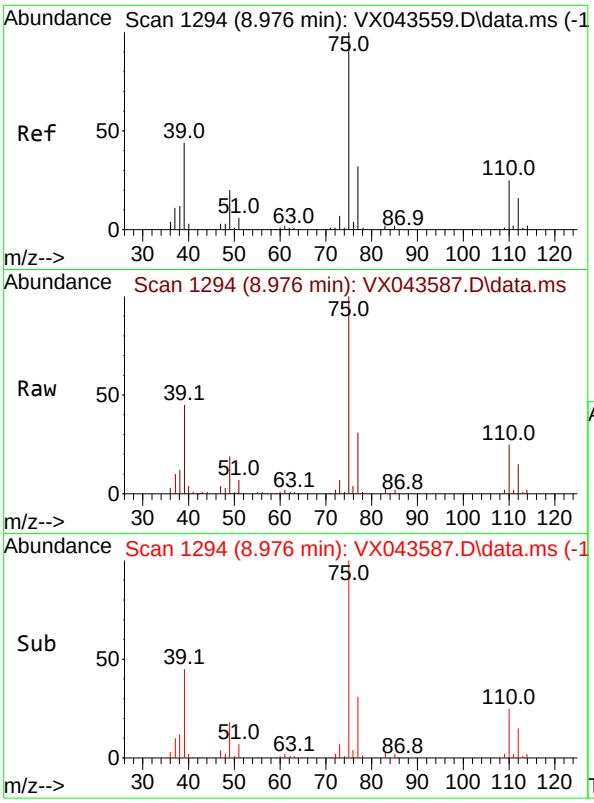


#52
Toluene
Concen: 20.164 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 92 Resp: 102358

Ion	Ratio	Lower	Upper
92	100		
91	169.9	135.7	203.5

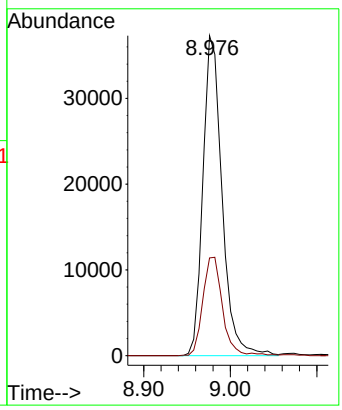




#53
t-1,3-Dichloropropene
Concen: 19.136 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 5721

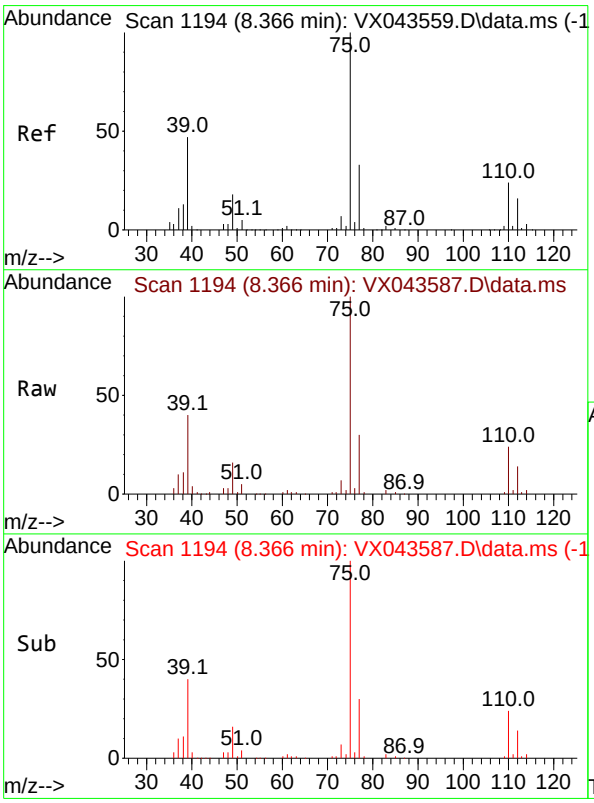
Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

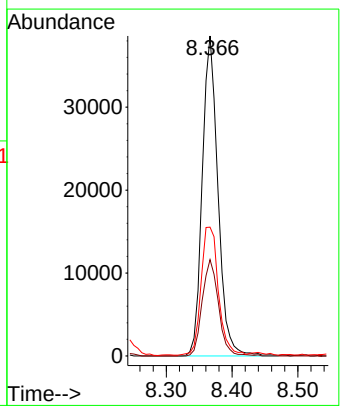
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

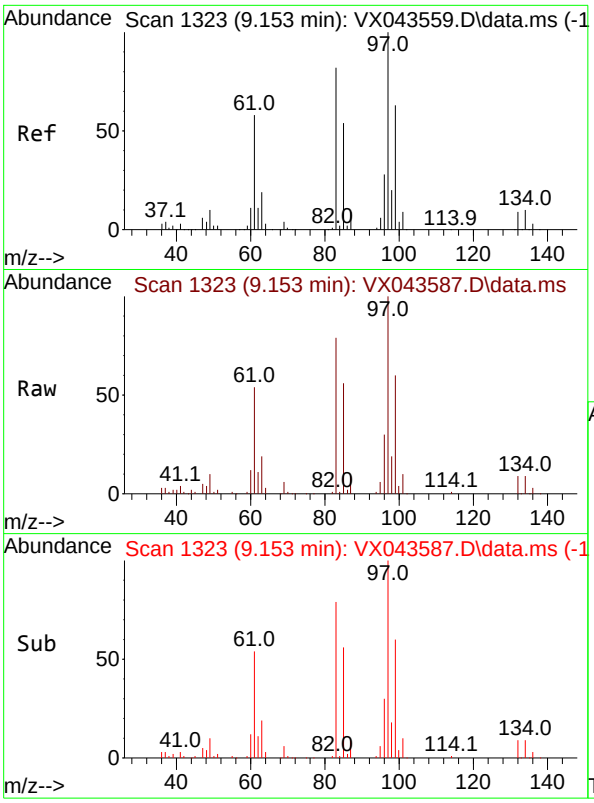


#54
cis-1,3-Dichloropropene
Concen: 20.128 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 64125

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2
39	40.0	37.7	56.5

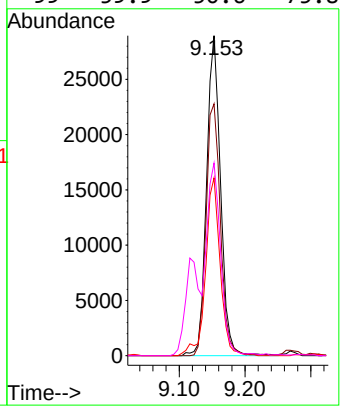




#55
1,1,2-Trichloroethane
Concen: 20.290 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 97 Resp: 4287

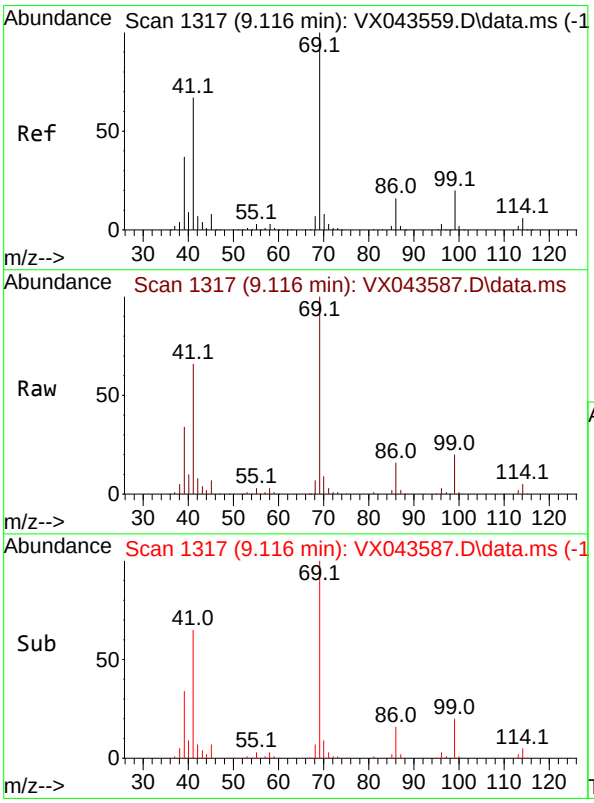
Ion	Ratio	Lower	Upper
97	100		
83	78.7	67.3	100.9
85	55.6	43.6	65.4
99	59.9	50.6	75.8



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

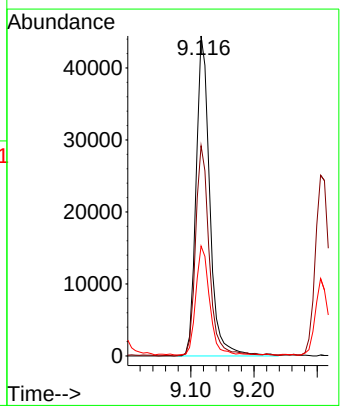
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

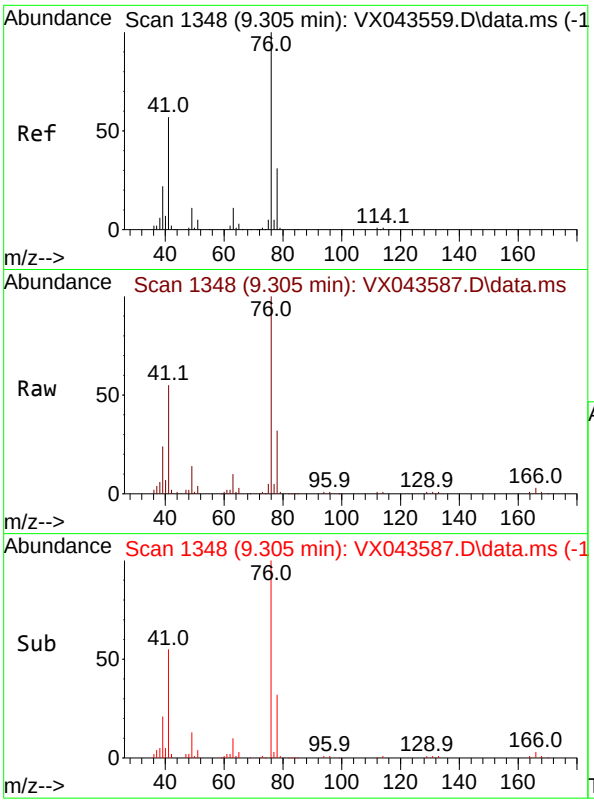


#56
Ethyl methacrylate
Concen: 19.564 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 69 Resp: 67171

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.8	80.8
39	34.0	29.9	44.9

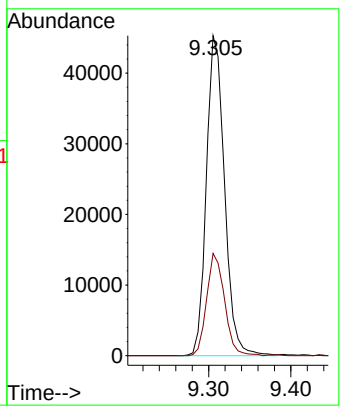




#57
1,3-Dichloropropane
Concen: 19.741 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 76 Resp: 6937

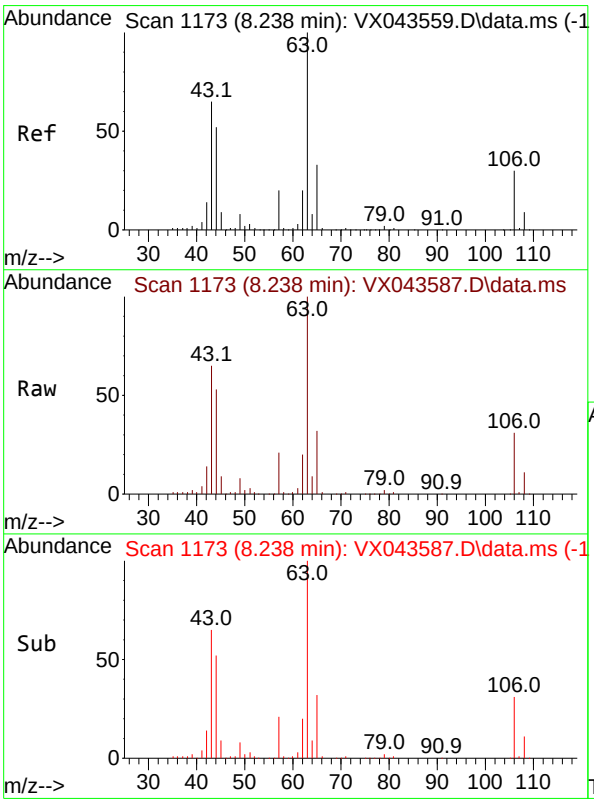
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

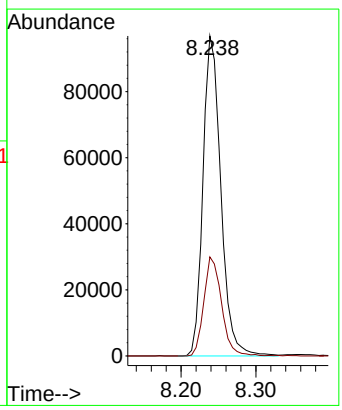
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

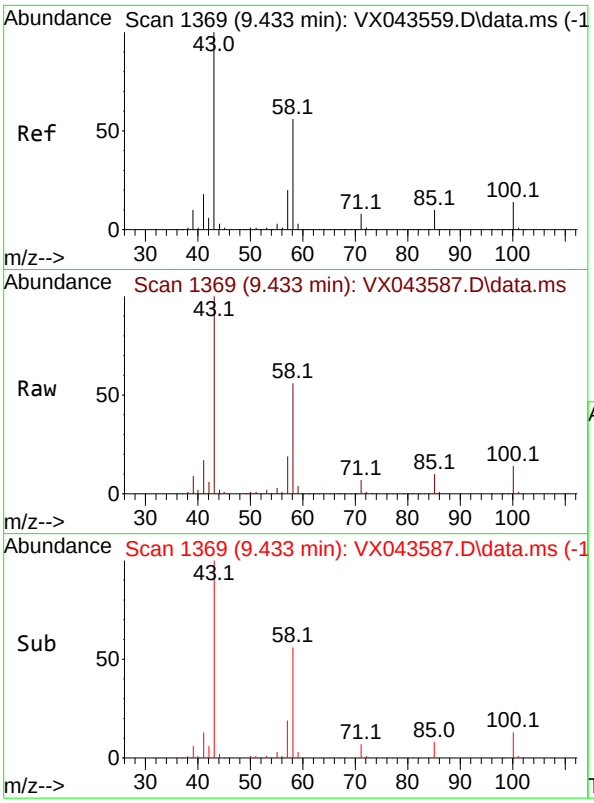


#58
2-Chloroethyl Vinyl ether
Concen: 96.934 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 63 Resp: 161188

Ion	Ratio	Lower	Upper
63	100		
106	30.6	23.6	35.4





#59
2-Hexanone
Concen: 101.166 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

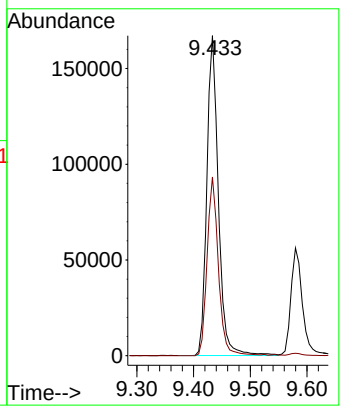
Tgt Ion: 43 Resp: 23591

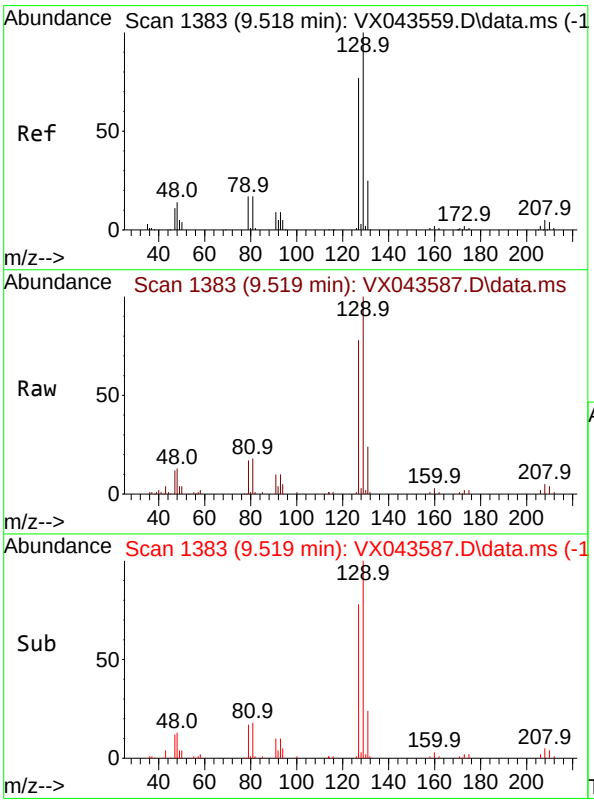
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.5	82.5

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

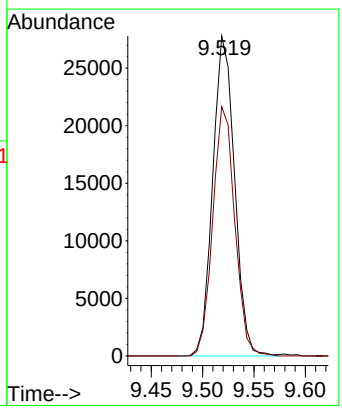


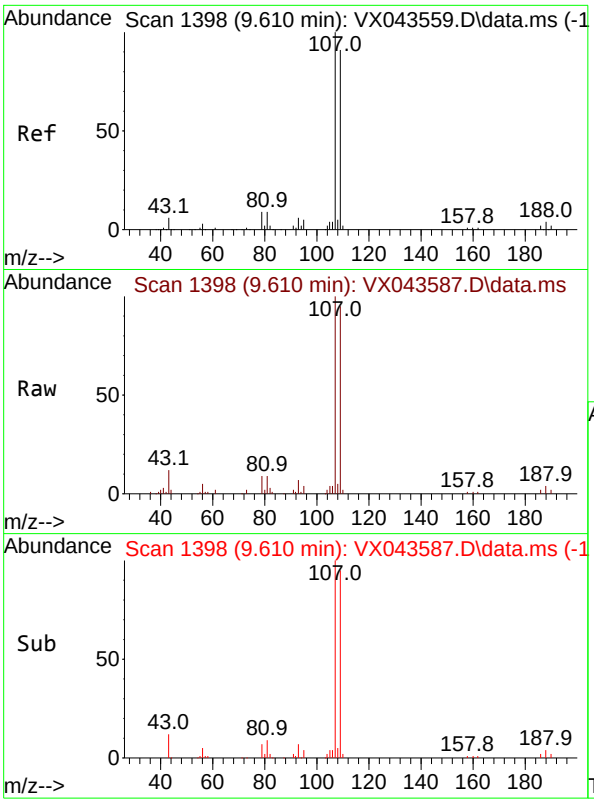


#60
Dibromochloromethane
Concen: 19.595 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:129 Resp: 41001

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.4	115.1





#61
1,2-Dibromoethane
Concen: 19.655 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

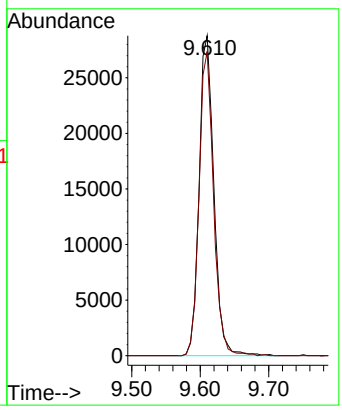
Tgt Ion:107 Resp: 4311

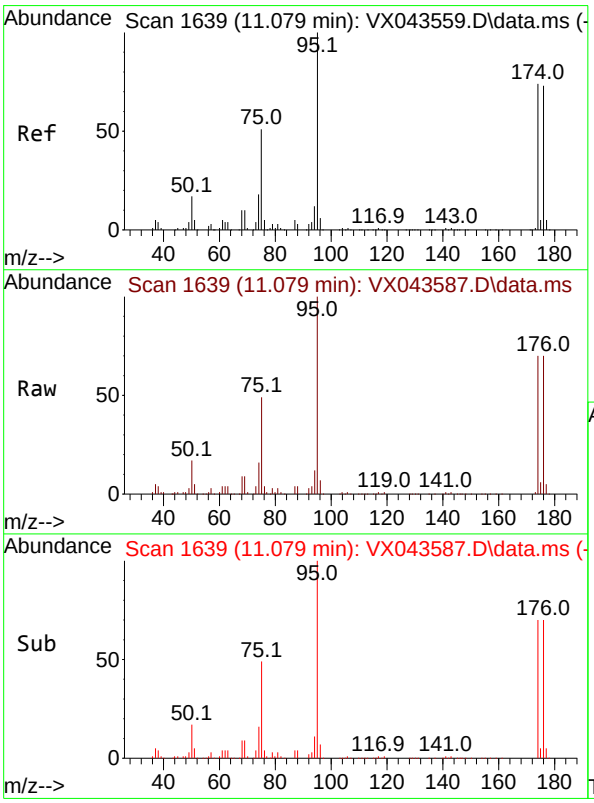
Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.1	115.7

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

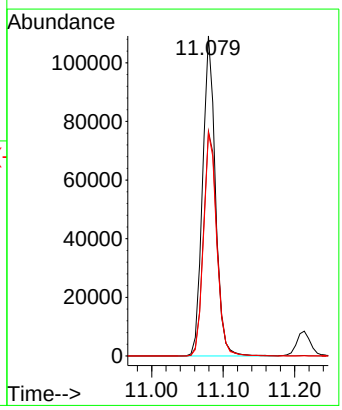


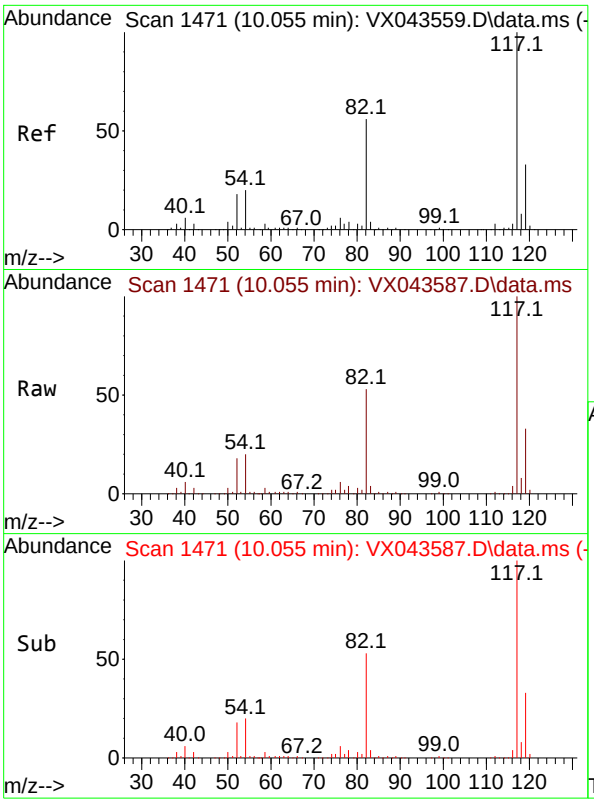


#62
4-Bromofluorobenzene
Concen: 50.055 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 95 Resp: 135860

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	146.6
176	71.6	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

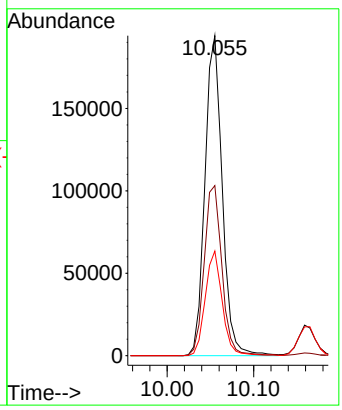
Tgt Ion:117 Resp: 27000

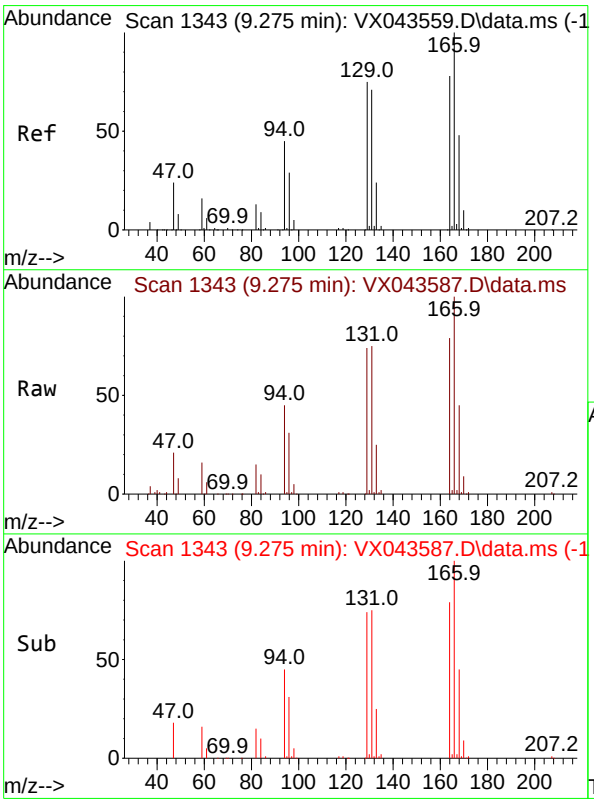
Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	32.7	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

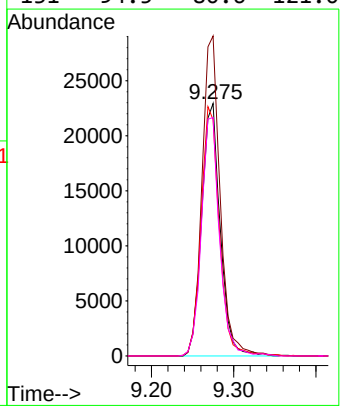


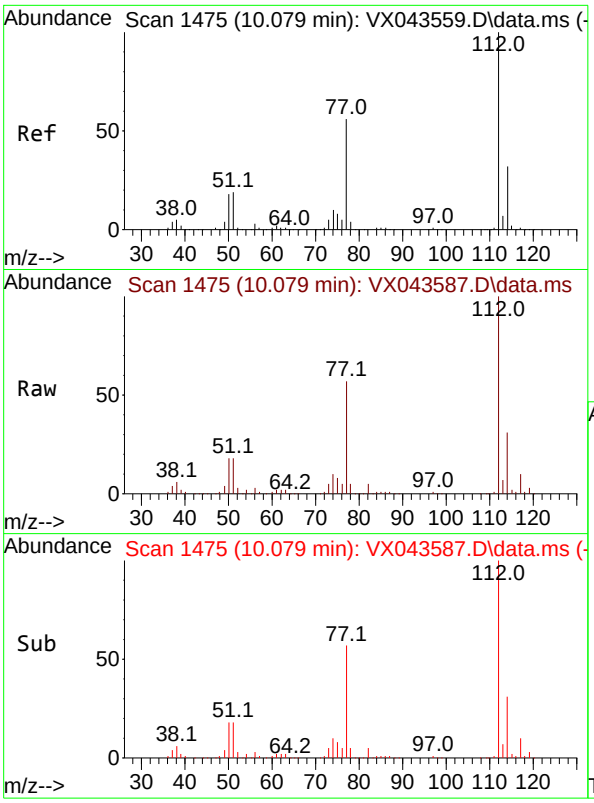


#64
Tetrachloroethene
Concen: 21.083 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:164 Resp: 35803

Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.8	155.6
129	93.5	83.8	125.6
131	94.5	80.6	121.0





#65
Chlorobenzene
Concen: 19.776 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

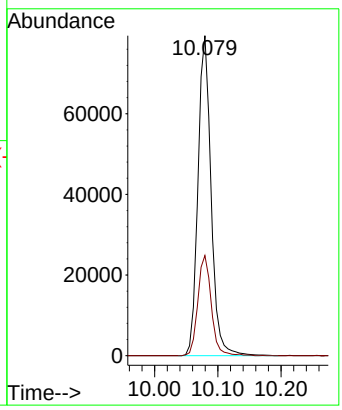
Tgt Ion:112 Resp: 114879

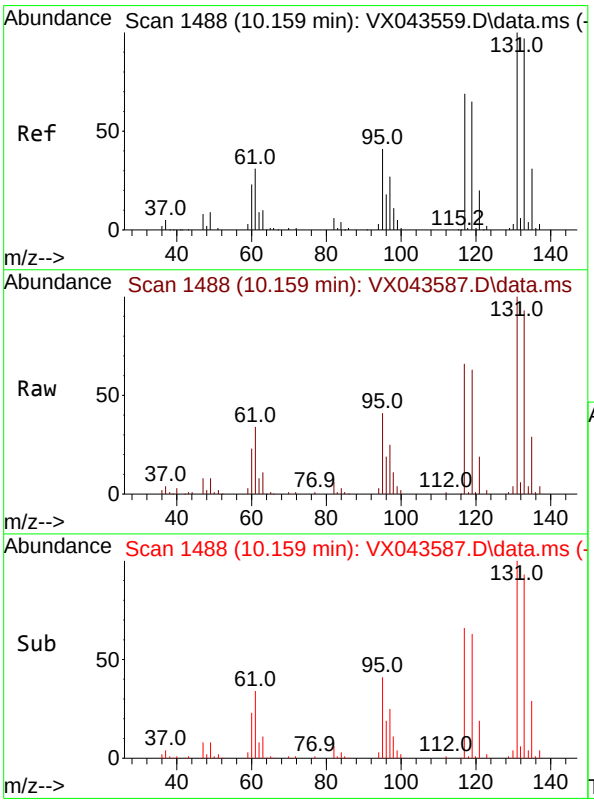
Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

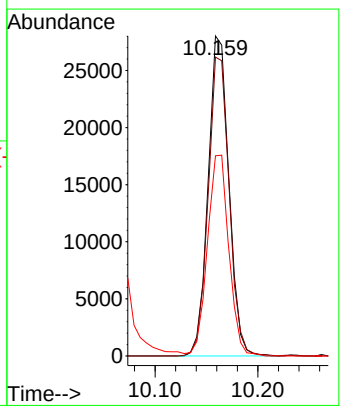


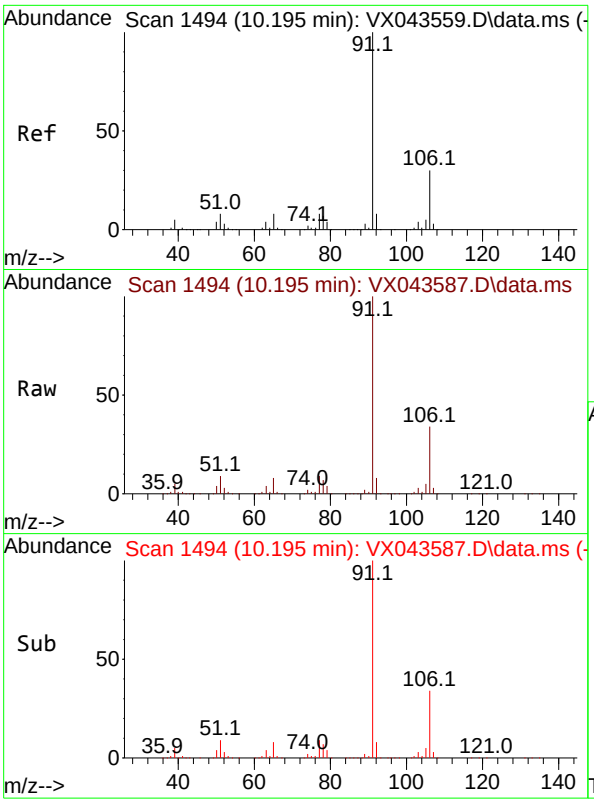


#66
1,1,1,2-Tetrachloroethane
Concen: 20.689 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:131 Resp: 39255

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.0
119	64.8	32.3	96.9





#67
Ethyl Benzene
Concen: 20.237 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

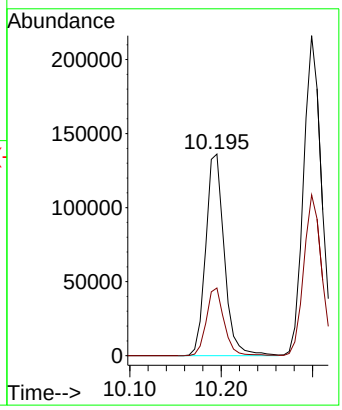
Tgt Ion: 91 Resp: 19168

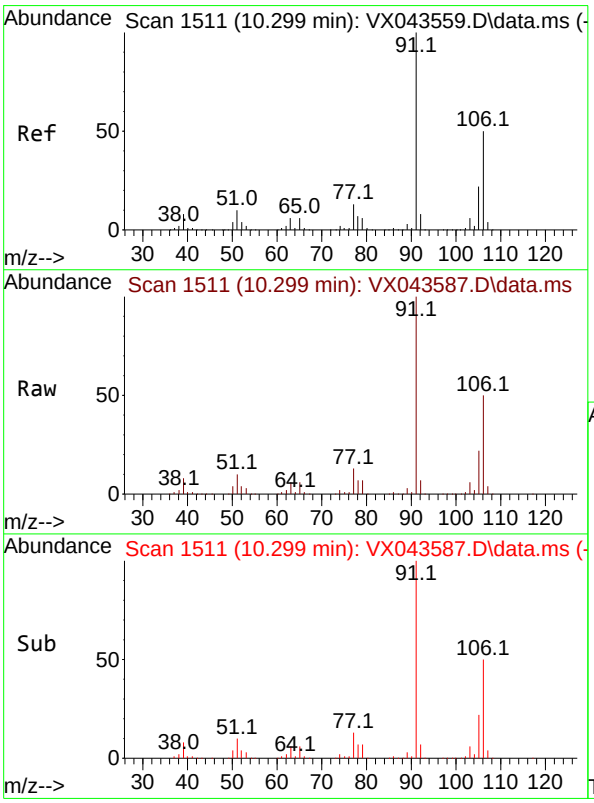
Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

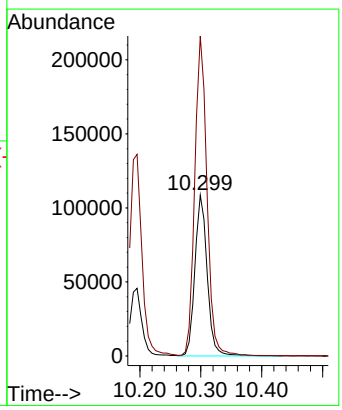


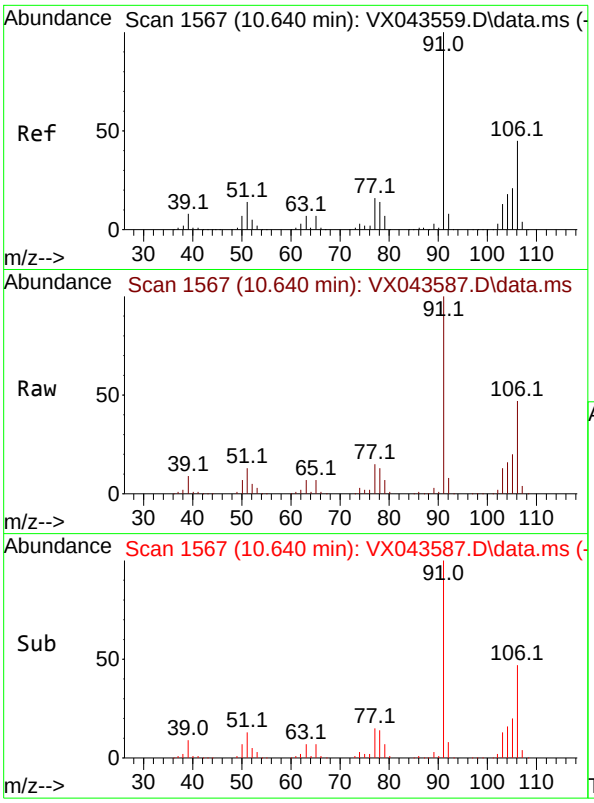


#68
m/p-Xylenes
Concen: 41.895 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:106 Resp: 151758

Ion	Ratio	Lower	Upper
106	100		
91	197.9	164.7	247.1

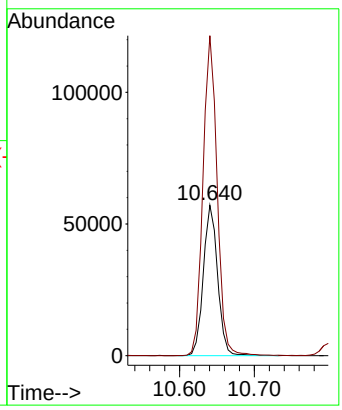




#69
o-Xylene
Concen: 20.836 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:106 Resp: 7583

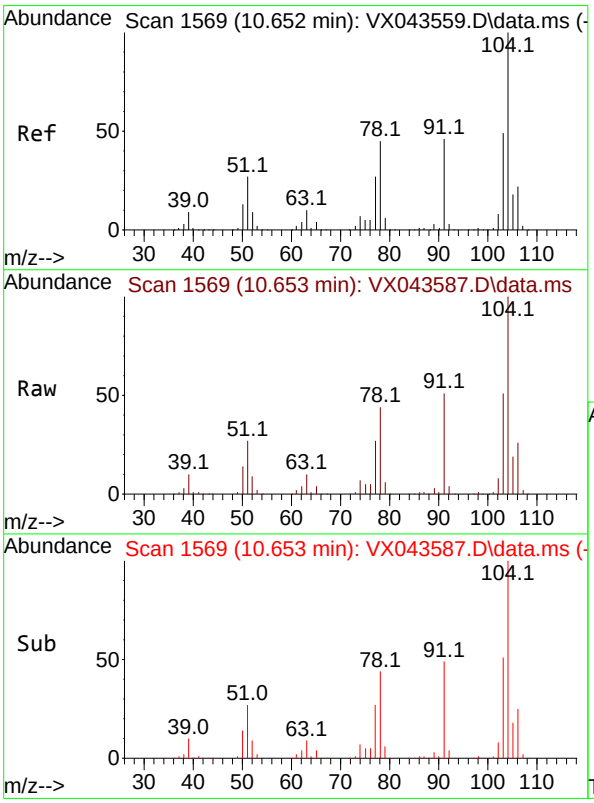
Ion	Ratio	Lower	Upper
106	100		
91	210.7	107.9	323.7



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

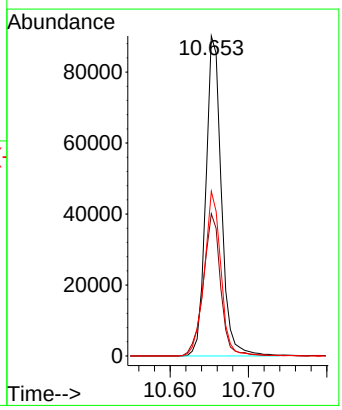
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

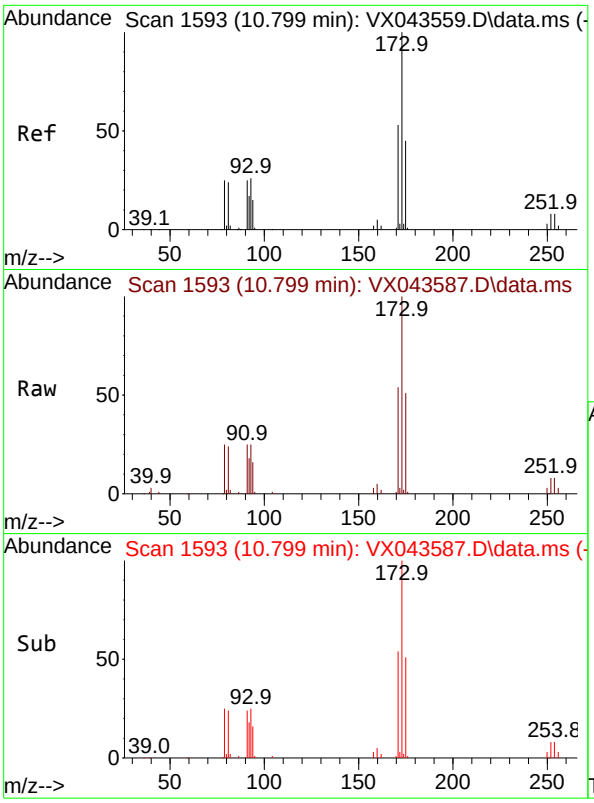


#70
Styrene
Concen: 20.534 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:104 Resp: 124213

Ion	Ratio	Lower	Upper
104	100		
78	49.5	40.0	60.0
103	54.9	43.4	65.0

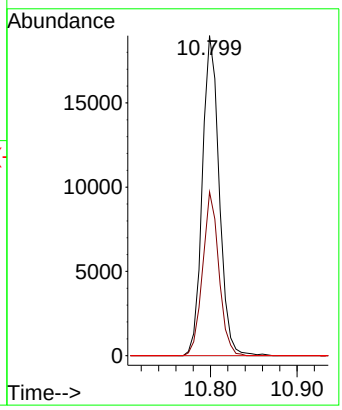




#71
Bromoform
Concen: 18.805 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:173 Resp: 2565

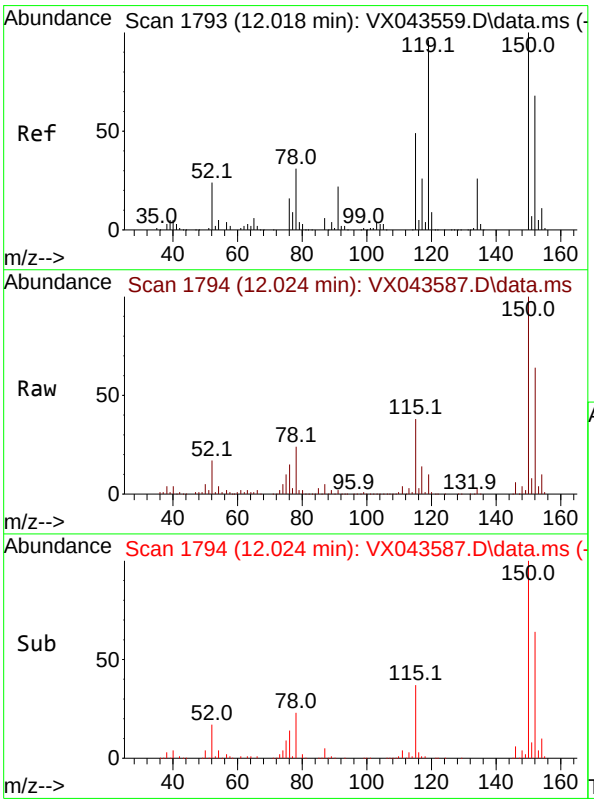
Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.3	69.9
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

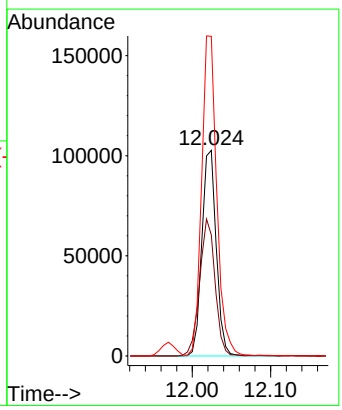
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

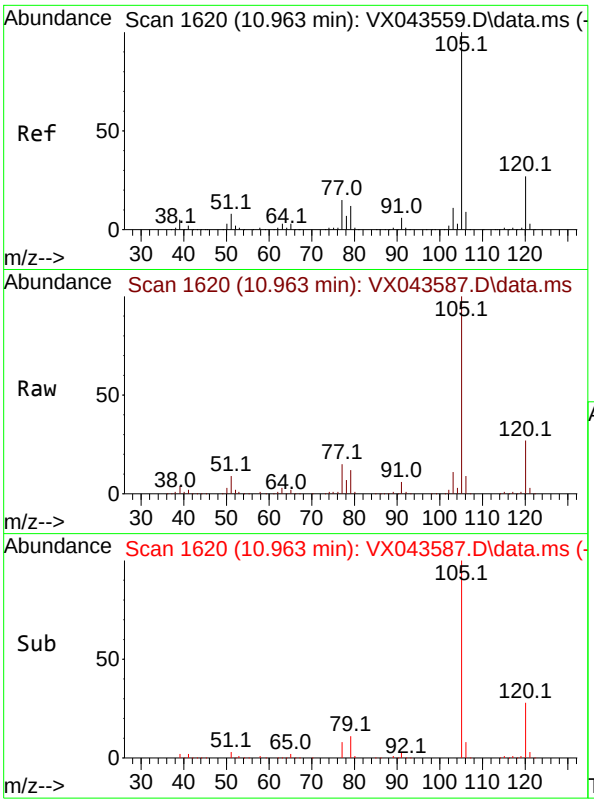


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:152 Resp: 131226

Ion	Ratio	Lower	Upper
152	100		
115	71.2	42.9	128.7
150	162.4	0.0	343.6





#73
Isopropylbenzene
Concen: 20.509 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

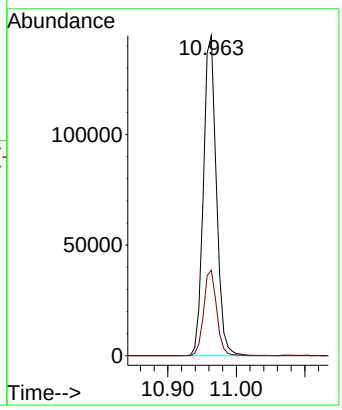
Tgt Ion:105 Resp: 19064

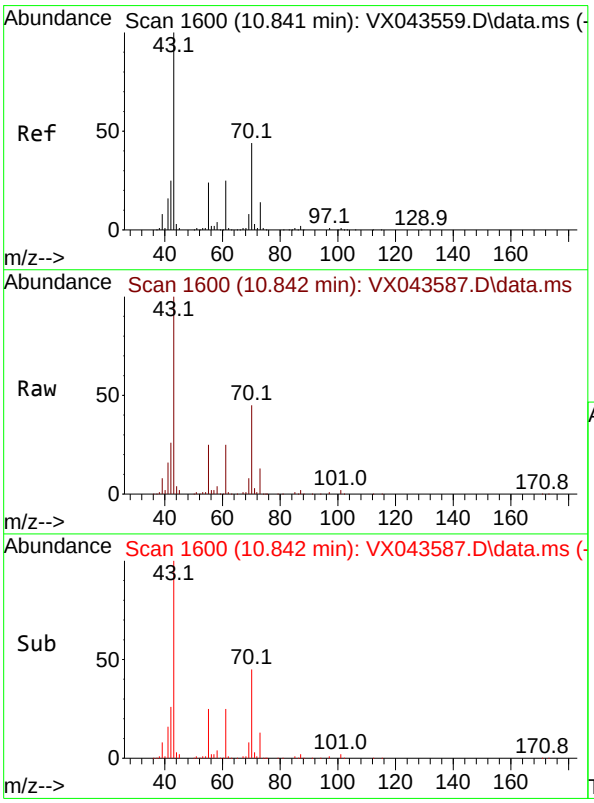
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

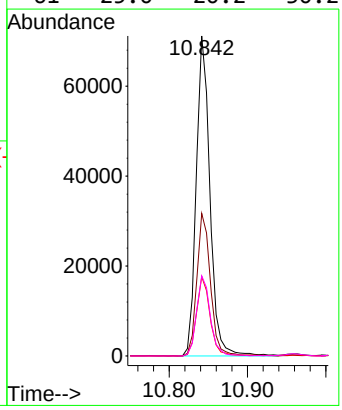


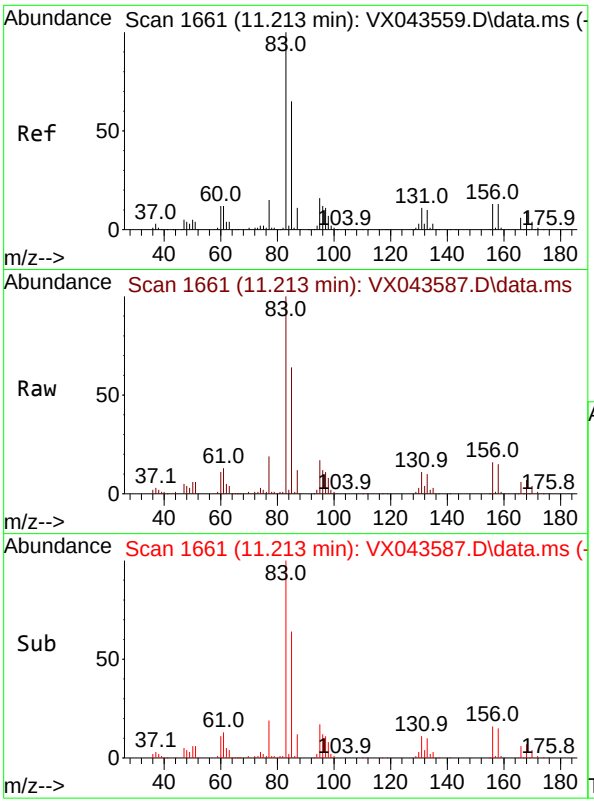


#74
N-amyl acetate
Concen: 19.182 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 86862

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	52.0
55	24.7	19.6	29.4
61	25.0	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.563 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

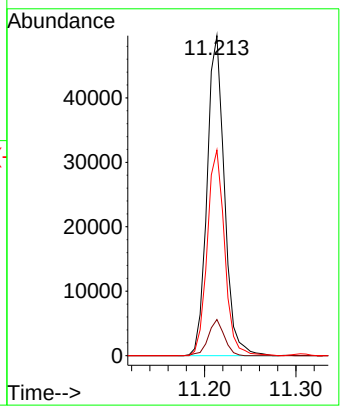
Tgt Ion: 83 Resp: 6539

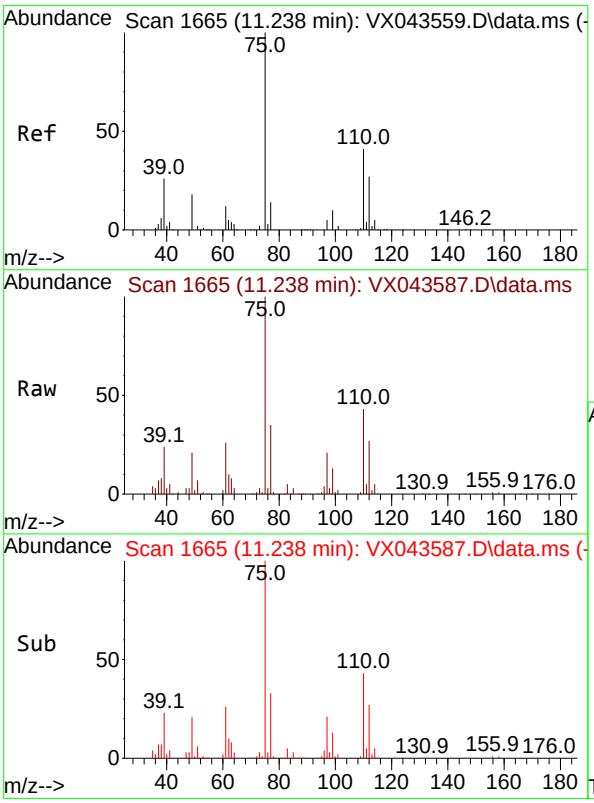
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.5	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

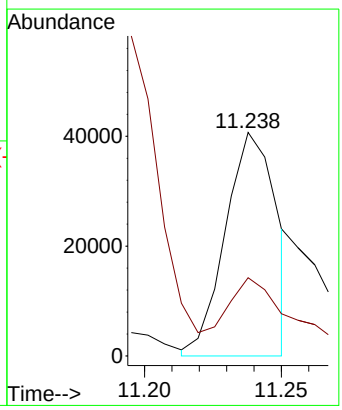


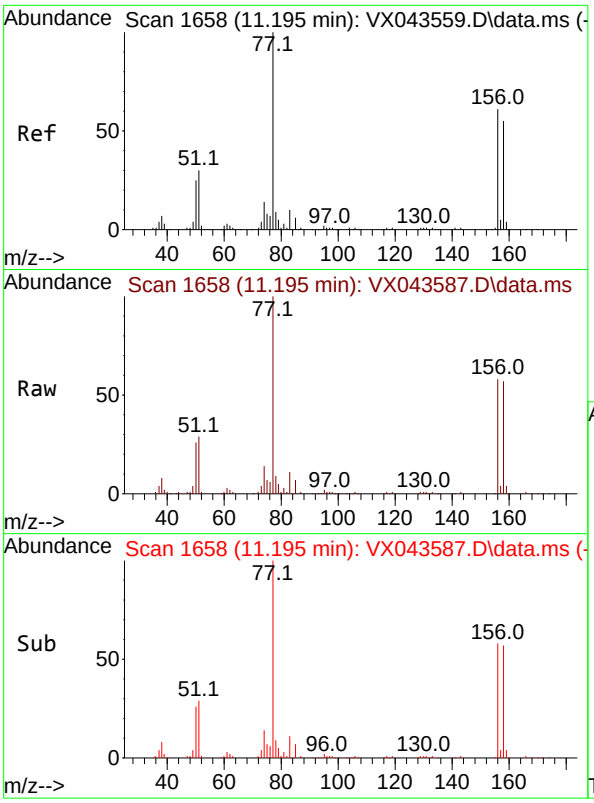


#76
1,2,3-Trichloropropane
Concen: 18.859 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 52914

Ion	Ratio	Lower	Upper
75	100		
77	46.0	22.4	67.2

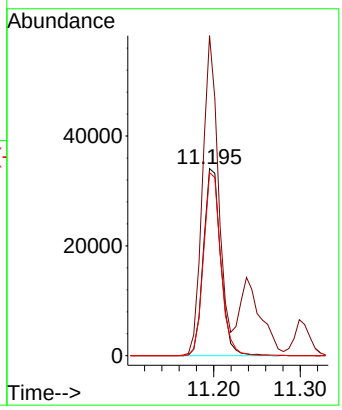




#77
Bromobenzene
Concen: 19.579 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:156 Resp: 4699

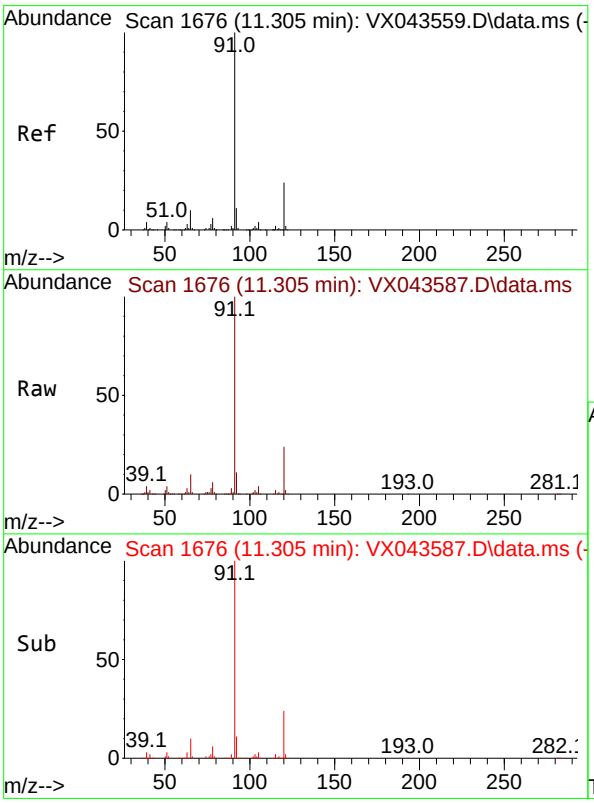
Ion	Ratio	Lower	Upper
156	100		
77	158.2	79.7	239.1
158	98.1	48.0	144.0



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

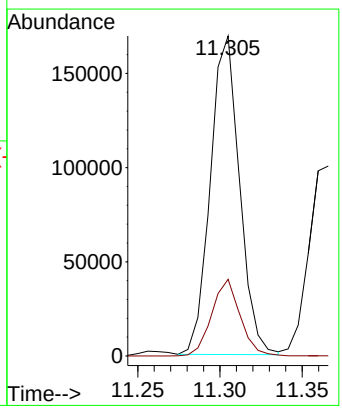
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

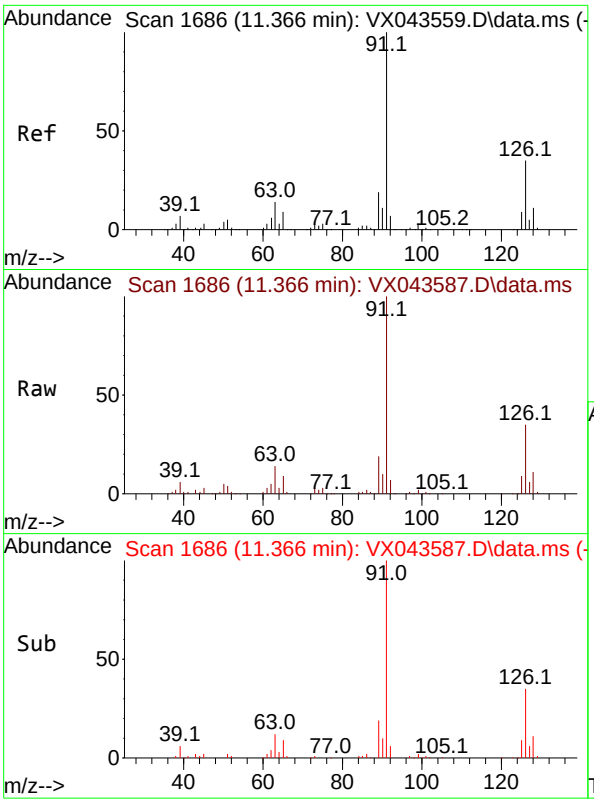


#78
n-propylbenzene
Concen: 20.606 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 91 Resp: 208848

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.7





#79
2-Chlorotoluene
Concen: 19.846 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

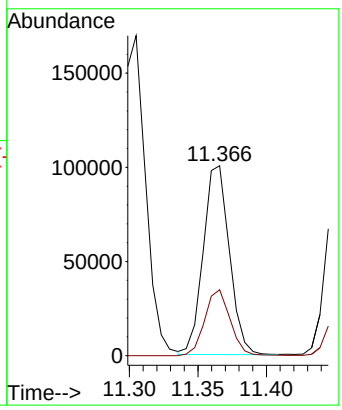
Tgt Ion: 91 Resp: 13337

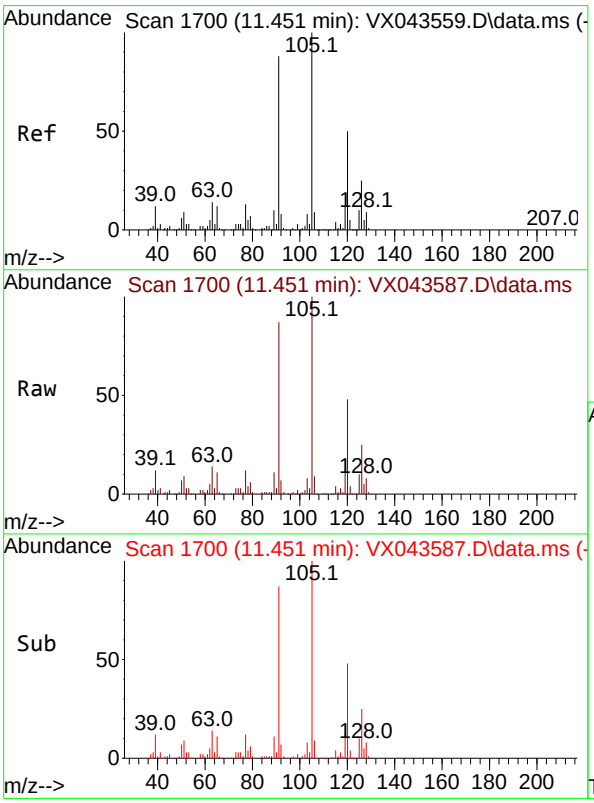
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.7	50.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

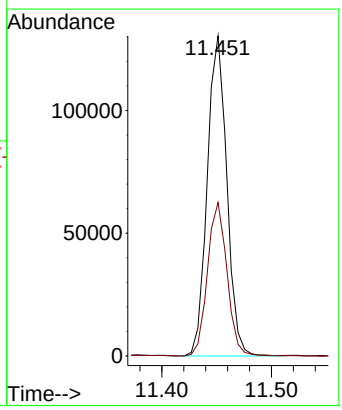


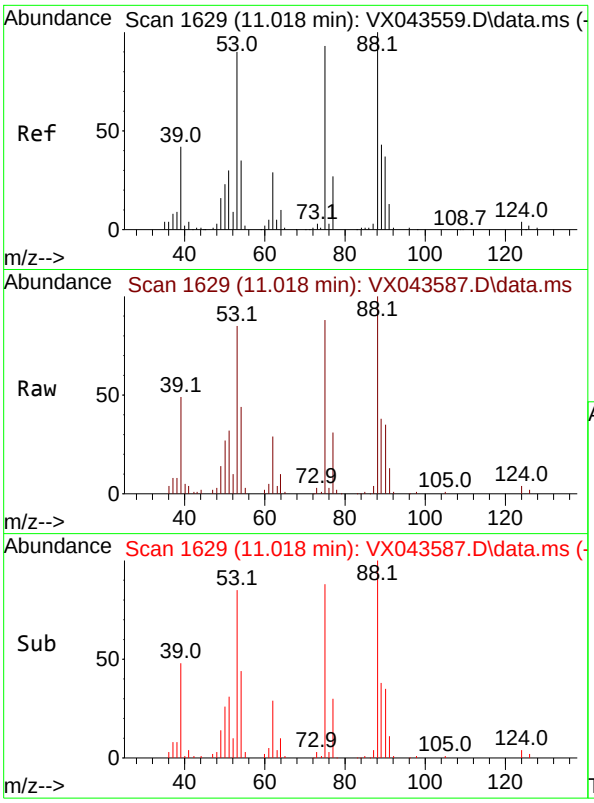


#80
1,3,5-Trimethylbenzene
Concen: 20.806 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:105 Resp: 161261

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

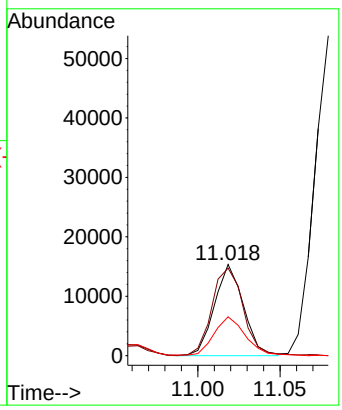
Tgt Ion: 75 Resp: 1882

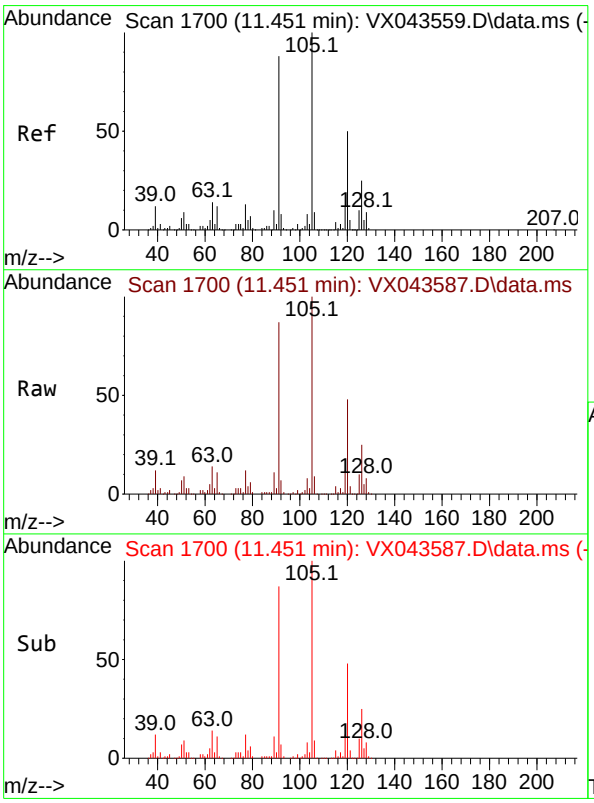
Ion	Ratio	Lower	Upper
75	100		
53	104.4	84.6	126.8
89	46.3	38.6	58.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

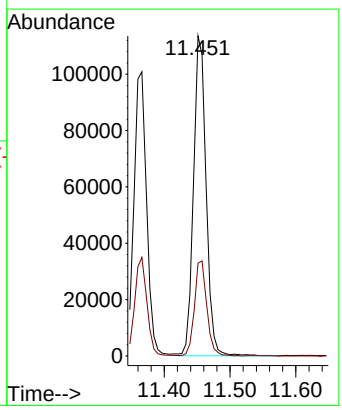


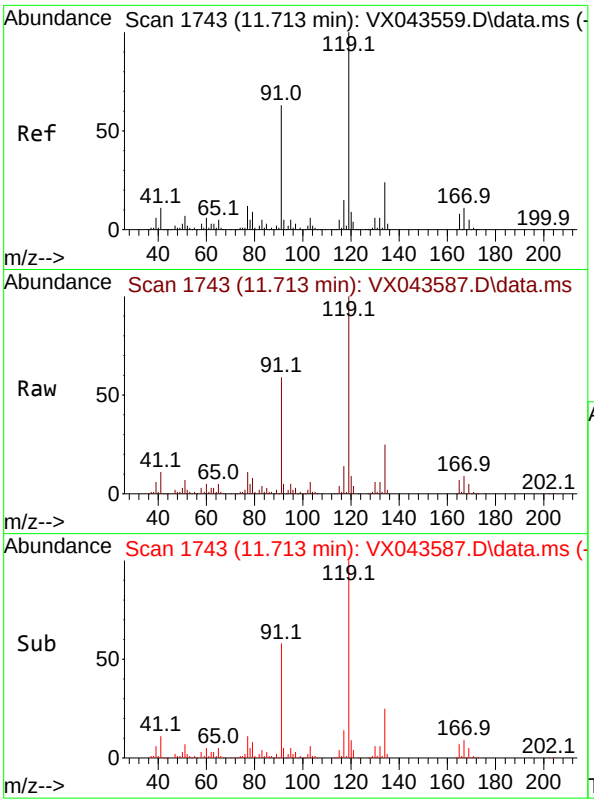


#82
4-Chlorotoluene
Concen: 19.974 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 91 Resp: 150670

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.2	42.8





#83
tert-Butylbenzene
Concen: 21.037 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

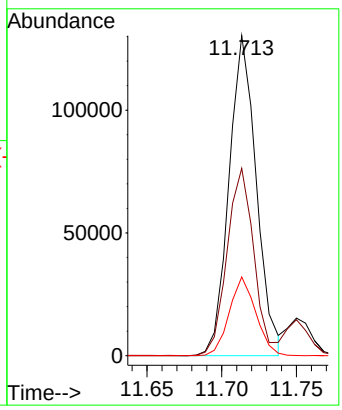
Tgt Ion:119 Resp: 16582

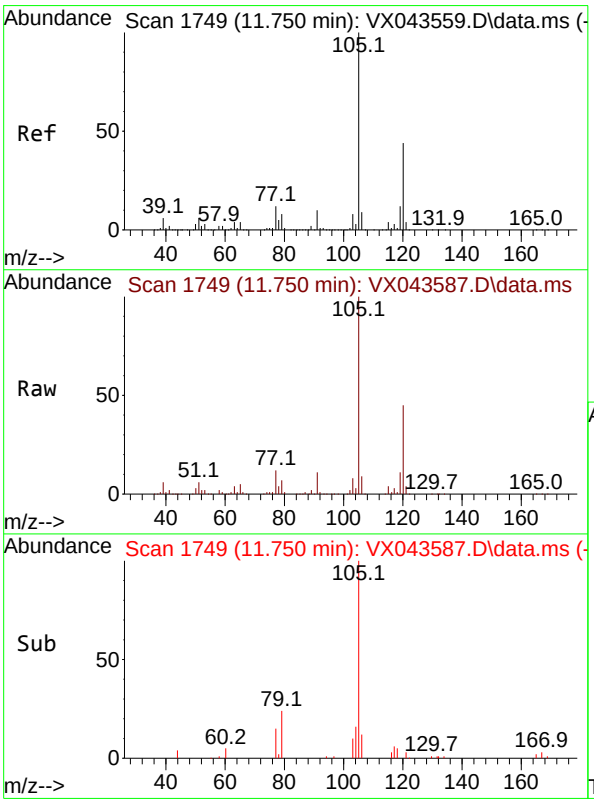
Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.5	88.5
134	23.9	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

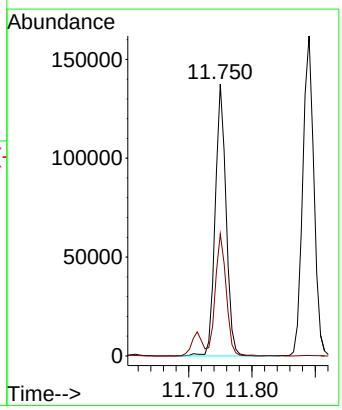


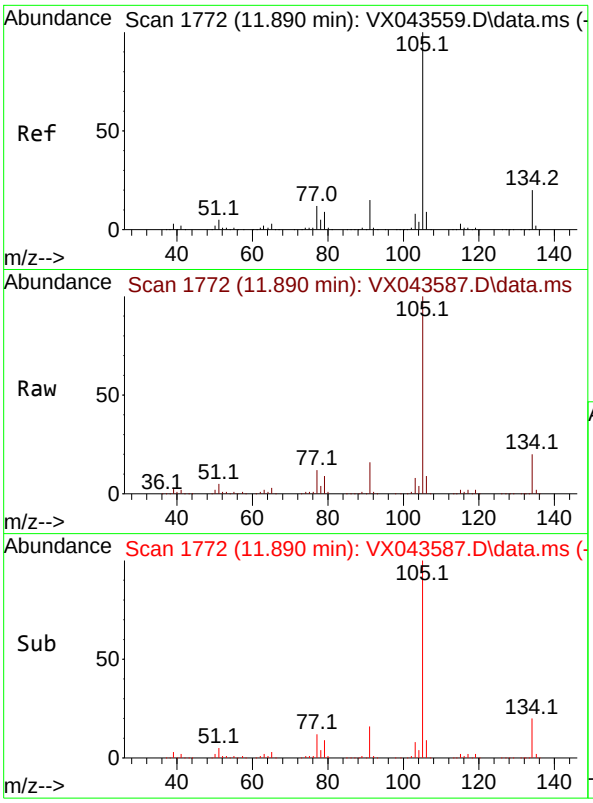


#84
1,2,4-Trimethylbenzene
Concen: 20.749 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:105 Resp: 163892

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1

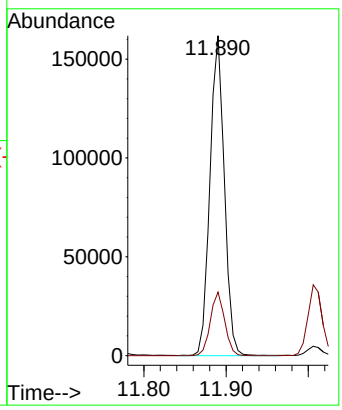




#85
sec-Butylbenzene
Concen: 21.328 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:105 Resp: 19705

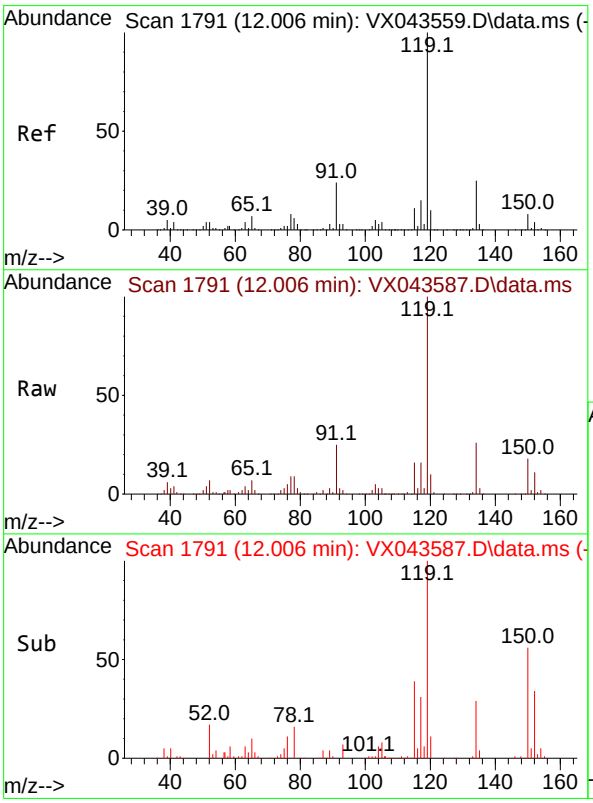
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

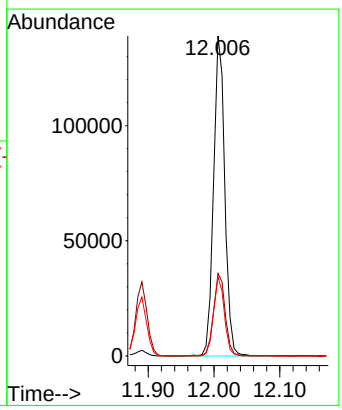
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

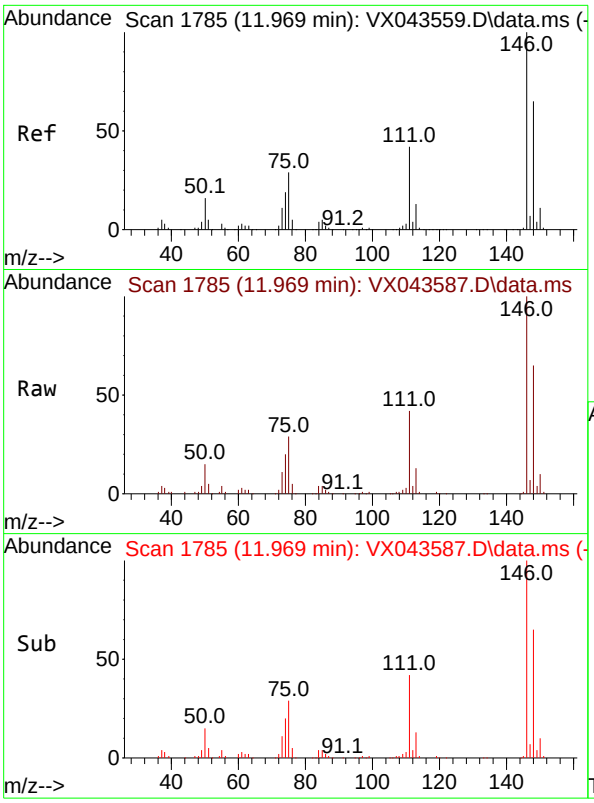


#86
p-Isopropyltoluene
Concen: 20.970 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:119 Resp: 164691

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.3	12.4	37.0

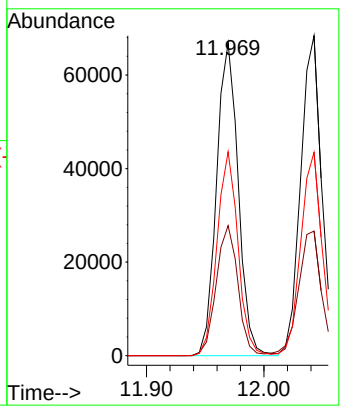




#87
1,3-Dichlorobenzene
Concen: 19.950 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:146 Resp: 8582

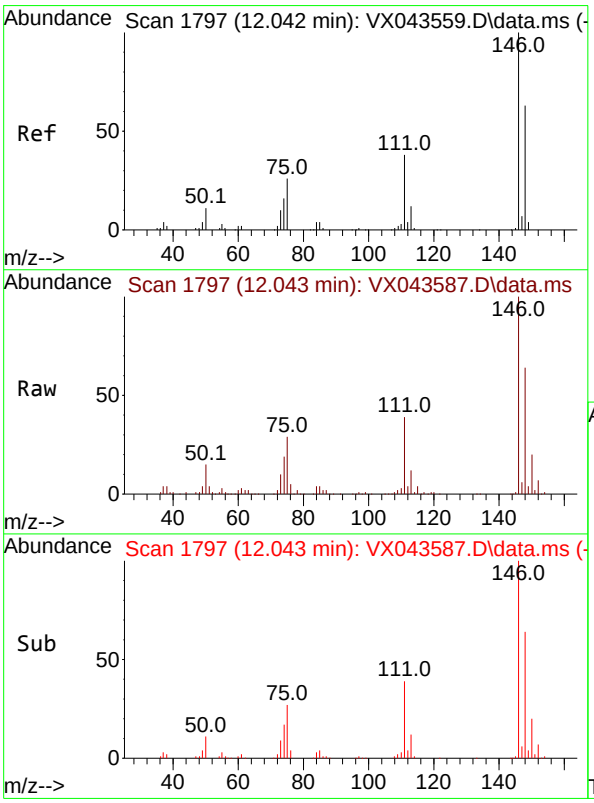
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	63.1	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

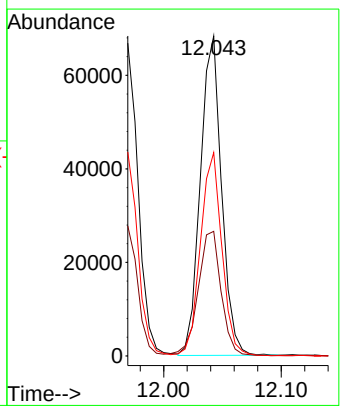
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

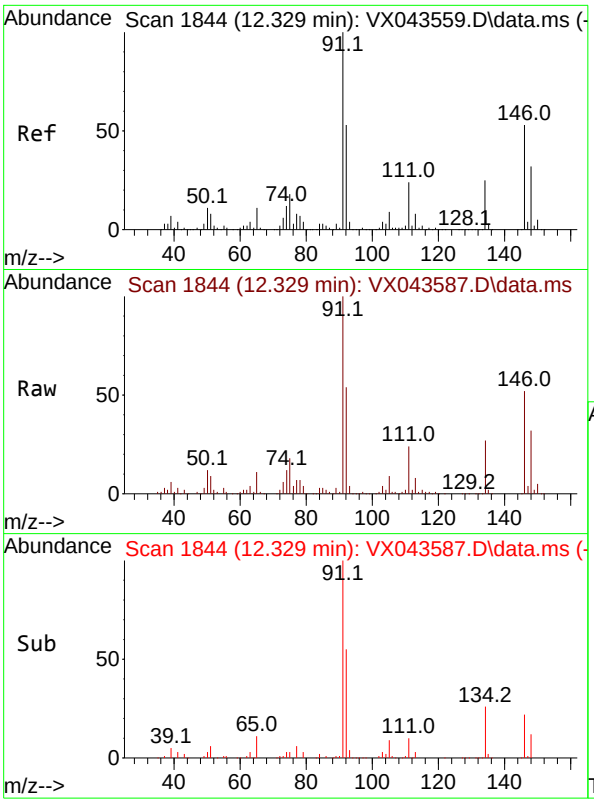


#88
1,4-Dichlorobenzene
Concen: 19.143 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:146 Resp: 85335

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.3
148	64.4	31.9	95.9





#89
n-Butylbenzene
Concen: 20.655 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

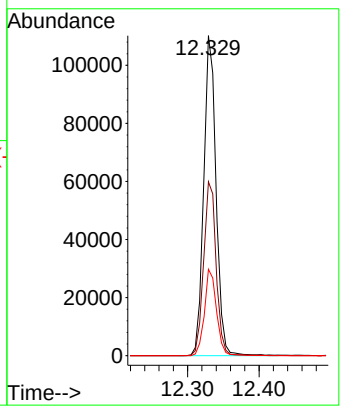
Tgt Ion: 91 Resp: 13217

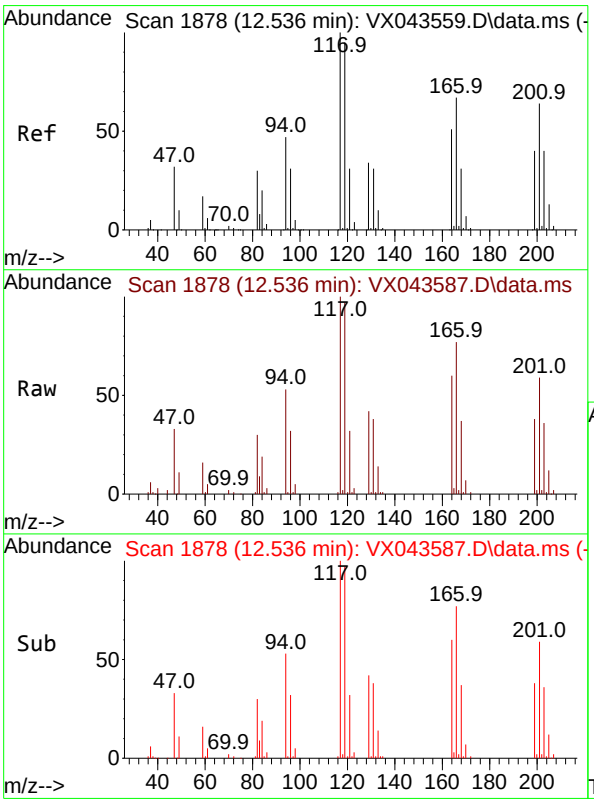
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.1	81.2
134	26.5	12.9	38.6

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

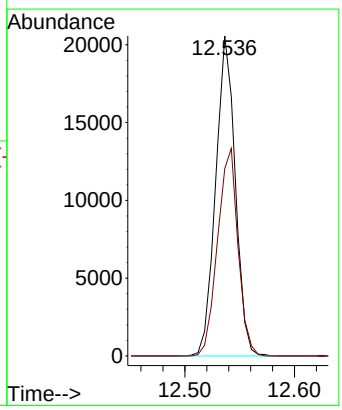


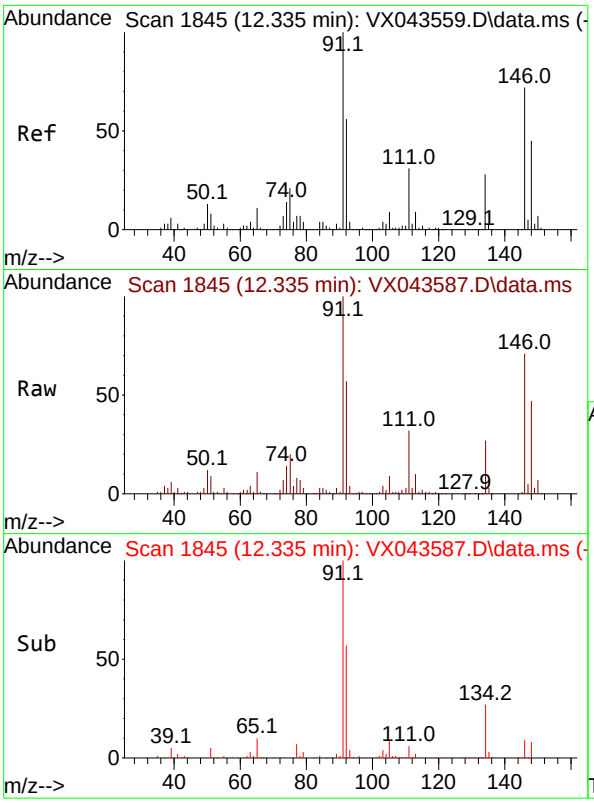


#90
Hexachloroethane
Concen: 20.029 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:117 Resp: 25551

Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.9	98.7





#91
1,2-Dichlorobenzene
Concen: 20.129 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

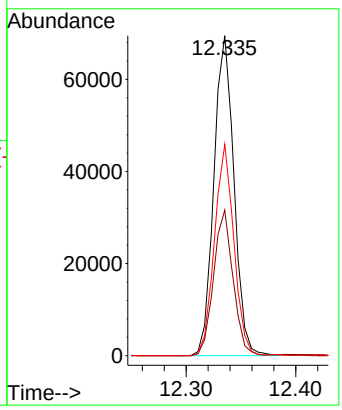
Tgt Ion:146 Resp: 8855

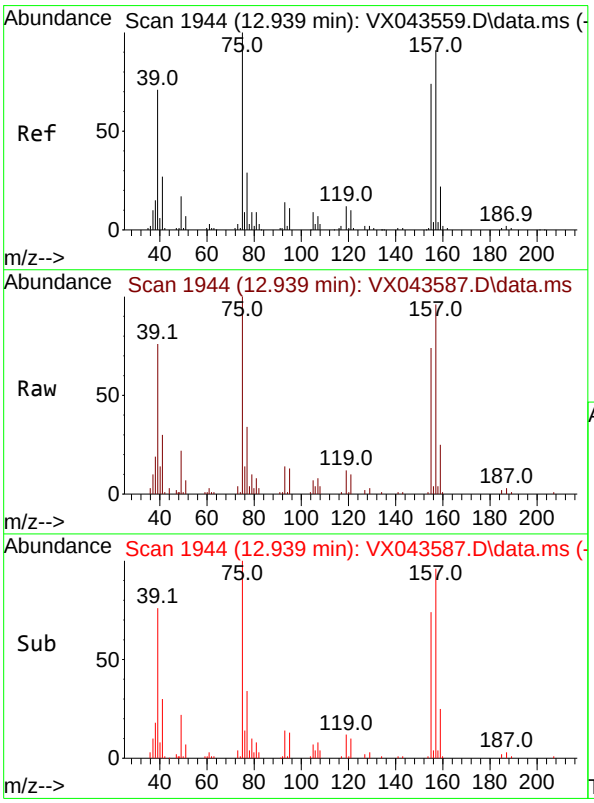
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	64.6
148	64.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

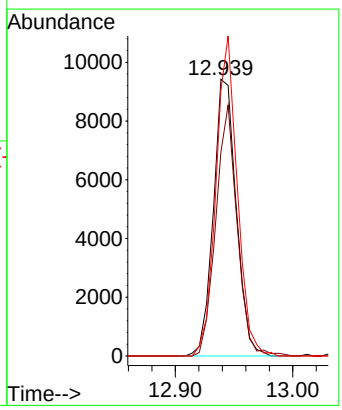


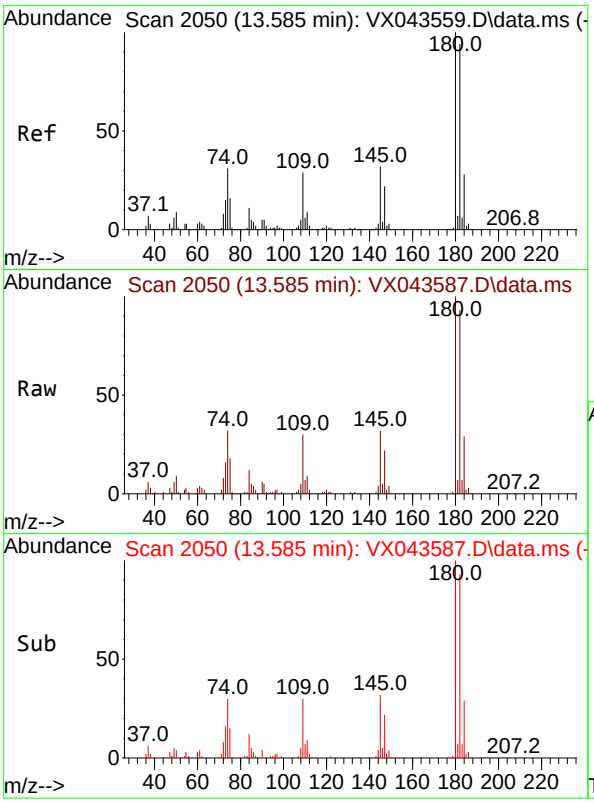


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.690 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 12736

Ion	Ratio	Lower	Upper
75	100		
155	84.5	40.1	120.3
157	107.7	50.8	152.4

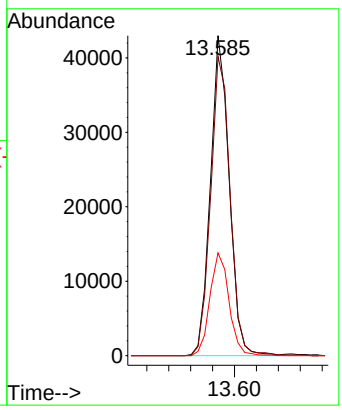




#93
1,2,4-Trichlorobenzene
Concen: 19.176 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:180 Resp: 5120

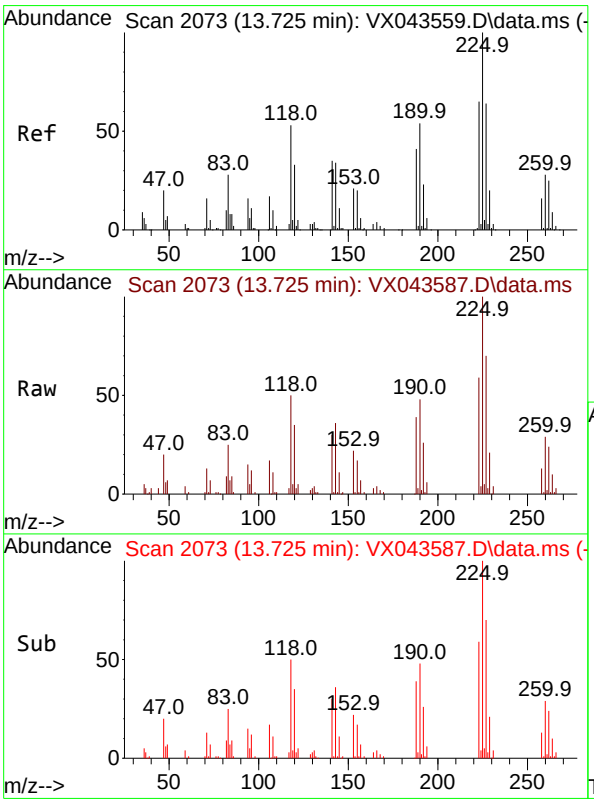
Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.8	140.4
145	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

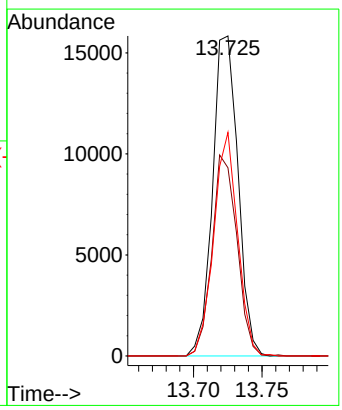
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

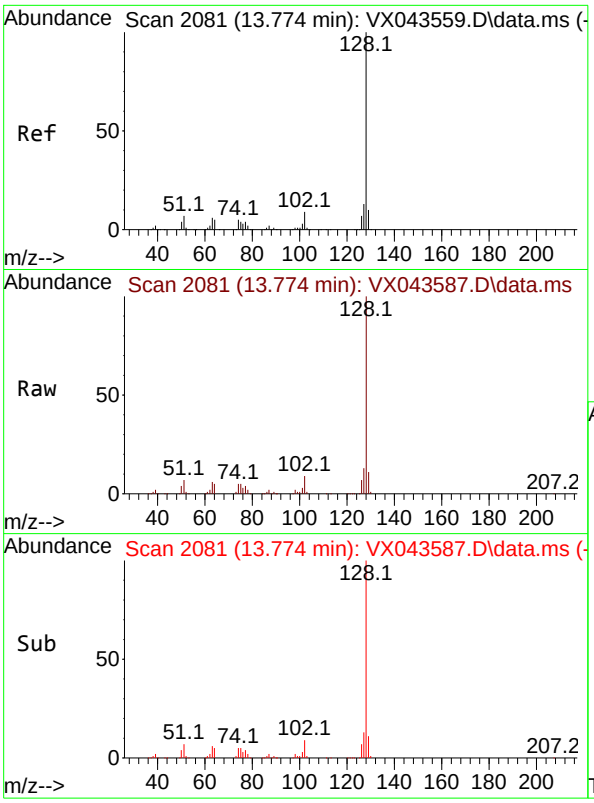


#94
Hexachlorobutadiene
Concen: 20.713 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:225 Resp: 20393

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.8	92.4
227	65.9	31.6	94.8

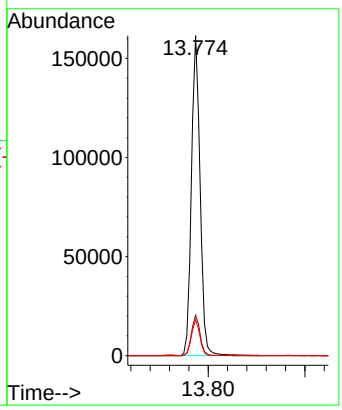




#95
Naphthalene
Concen: 19.665 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:128 Resp: 20093

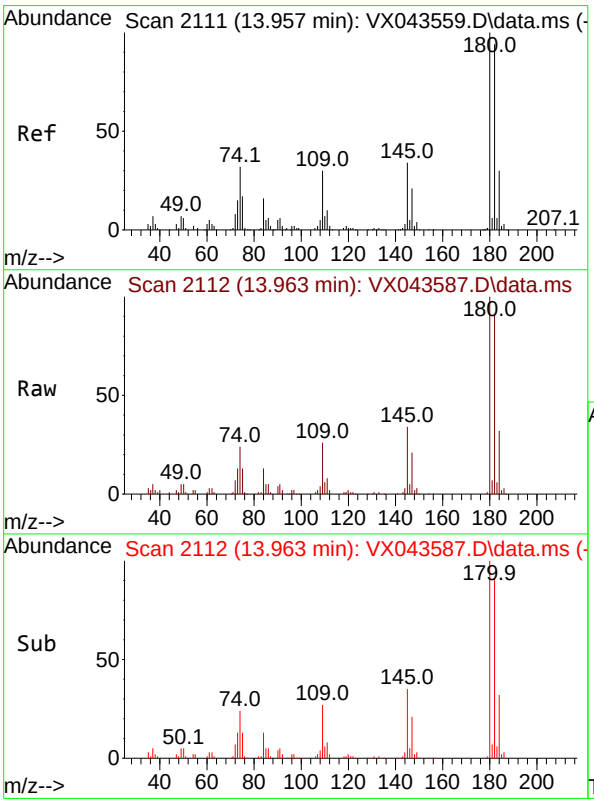
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations
APPROVED

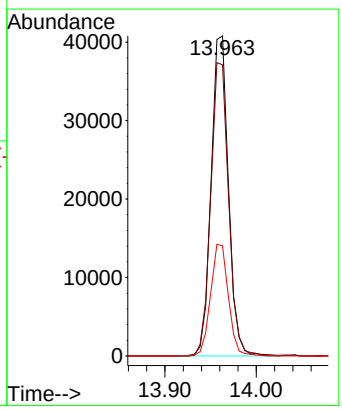
Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.053 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:180 Resp: 53643

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.3
145	35.8	17.4	52.3



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

Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX043556.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	1,4-Dichlorobenzene	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Ethyl Acetate	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Methacrylonitrile	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC005	VX043557.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:13 AM	MMDadoda	10/29/2024 12:19:39 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	Tert butyl alcohol	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	Tert butyl alcohol	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICC100	VX043560.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:22 AM	MMDadoda	10/29/2024 12:19:34 PM	Peak Integrated by Software
VSTDICC150	VX043561.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:57 AM	MMDadoda	10/29/2024 12:19:32 PM	Peak Integrated by Software
VSTDICV050	VX043563.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:27 AM	MMDadoda	10/29/2024 12:19:30 PM	Peak Integrated by Software
VSTDCCC050	VX043581.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:42 AM	MMDadoda	10/29/2024 12:19:26 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	VX102924	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043583.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:32 AM	MMDadoda	10/30/2024 1:23:51 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Chloroethane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Tert butyl alcohol	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBSD01	VX043587.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VX1029WBSD01	VX043587.D	Tert butyl alcohol	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VSTDCCC050	VX043608.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:39 AM	MMDadoda	10/30/2024 1:23:58 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX103024	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043610.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:35:56 PM	MMDadoda	11/1/2024 5:36:16 PM	Peak Integrated by Software
VX1030WBS01	VX043613.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:01 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VX1030WBS01	VX043613.D	Tert butyl alcohol	SAM	11/1/2024 3:36:01 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VSTDCCC050	VX043635.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:12 PM	MMDadoda	11/1/2024 5:36:21 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 # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM				
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043555.D	28 Oct 2024 10:09	JC/MD	Ok
2	VSTDICC001	VX043556.D	28 Oct 2024 10:59	JC/MD	Ok,M
3	VSTDICC005	VX043557.D	28 Oct 2024 11:22	JC/MD	Ok,M
4	VSTDICC020	VX043558.D	28 Oct 2024 11:45	JC/MD	Ok,M
5	VSTDICCC050	VX043559.D	28 Oct 2024 12:08	JC/MD	Ok,M
6	VSTDICC100	VX043560.D	28 Oct 2024 12:31	JC/MD	Ok,M
7	VSTDICC150	VX043561.D	28 Oct 2024 12:54	JC/MD	Ok,M
8	VIBLK	VX043562.D	28 Oct 2024 14:04	JC/MD	Ok
9	VSTDICV050	VX043563.D	28 Oct 2024 14:27	JC/MD	Ok,M
10	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	JC/MD	Not Ok
11	VX1028WBL01	VX043565.D	28 Oct 2024 15:52	JC/MD	Ok
12	VX1028WBS01	VX043566.D	28 Oct 2024 16:28	JC/MD	Ok,M
13	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51	JC/MD	Ok,M
14	PB164394TB	VX043568.D	28 Oct 2024 17:14	JC/MD	Ok
15	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	JC/MD	Ok
16	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	JC/MD	Ok
17	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	JC/MD	Ok
18	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	JC/MD	Ok
19	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	JC/MD	Ok
20	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	JC/MD	Ok
21	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	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 # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM				
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	JC/MD	Ok
23	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	JC/MD	Ok
24	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	JC/MD	Ok
25	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	JC/MD	Ok
26	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	JC/MD	Ok
27	VSTDCCC050	VX043581.D	28 Oct 2024 22:15	JC/MD	Not Ok

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 # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM				
SubDirectory	VX102924	HP Acquire Method	MSVOA_X		HP Processing Method	82x102824w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043582.D	29 Oct 2024 08:30	JC/MD	Ok
2	VSTDCCC050	VX043583.D	29 Oct 2024 09:29	JC/MD	Ok,M
3	VX1029MBL01	VX043584.D	29 Oct 2024 10:06	JC/MD	Ok
4	VX1029WBL01	VX043585.D	29 Oct 2024 10:31	JC/MD	Ok
5	VX1029WBS01	VX043586.D	29 Oct 2024 10:57	JC/MD	Ok,M
6	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20	JC/MD	Ok,M
7	VIBLK	VX043588.D	29 Oct 2024 11:43	JC/MD	Ok
8	P4596-07	VX043589.D	29 Oct 2024 12:10	JC/MD	Ok,M
9	VIBLK	VX043590.D	29 Oct 2024 12:33	JC/MD	Ok
10	P4578-09	VX043591.D	29 Oct 2024 12:56	JC/MD	Ok
11	P4548-09	VX043592.D	29 Oct 2024 13:19	JC/MD	Ok
12	P4548-01	VX043593.D	29 Oct 2024 13:43	JC/MD	Ok
13	P4548-03	VX043594.D	29 Oct 2024 14:06	JC/MD	Ok
14	P4548-05	VX043595.D	29 Oct 2024 14:29	JC/MD	Ok
15	P4548-07	VX043596.D	29 Oct 2024 14:52	JC/MD	Ok
16	P4578-01	VX043597.D	29 Oct 2024 15:15	JC/MD	Ok
17	P4578-02	VX043598.D	29 Oct 2024 15:38	JC/MD	Ok
18	P4600-01	VX043599.D	29 Oct 2024 16:01	JC/MD	Ok
19	P4600-02	VX043600.D	29 Oct 2024 16:24	JC/MD	Ok
20	P4600-03	VX043601.D	29 Oct 2024 16:48	JC/MD	Ok
21	P4600-04	VX043602.D	29 Oct 2024 17:11	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 # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM				
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4600-05	VX043603.D	29 Oct 2024 17:34	JC/MD	ReRun
23	P4600-06	VX043604.D	29 Oct 2024 17:57	JC/MD	Ok
24	P4600-07	VX043605.D	29 Oct 2024 18:20	JC/MD	Ok
25	P4562-01	VX043606.D	29 Oct 2024 18:43	JC/MD	Ok
26	P4562-02	VX043607.D	29 Oct 2024 19:06	JC/MD	Ok
27	VSTDCCC050	VX043608.D	29 Oct 2024 19:29	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 # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM				
SubDirectory	VX103024	HP Acquire Method	MSVOA_X		HP Processing Method	82x102824w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043609.D	30 Oct 2024 08:59	JC/MD	Ok
2	VSTDCCC050	VX043610.D	30 Oct 2024 09:26	JC/MD	Ok,M
3	VX1030MBL01	VX043611.D	30 Oct 2024 09:59	JC/MD	Ok
4	VX1030WBL01	VX043612.D	30 Oct 2024 10:22	JC/MD	Ok
5	VX1030WBS01	VX043613.D	30 Oct 2024 10:56	JC/MD	Ok,M
6	VX1030WBSD01	VX043614.D	30 Oct 2024 11:19	JC/MD	Ok,M
7	VIBLK	VX043615.D	30 Oct 2024 11:42	JC/MD	Ok
8	P4600-05	VX043616.D	30 Oct 2024 12:06	JC/MD	Ok
9	P4560-01	VX043617.D	30 Oct 2024 12:29	JC/MD	Not Ok
10	P4562-03	VX043618.D	30 Oct 2024 12:52	JC/MD	Ok
11	P4562-04	VX043619.D	30 Oct 2024 13:15	JC/MD	Ok
12	P4615-04	VX043620.D	30 Oct 2024 13:38	JC/MD	Ok
13	P4547-04	VX043621.D	30 Oct 2024 14:01	JC/MD	Ok
14	PB164501TB	VX043622.D	30 Oct 2024 14:24	JC/MD	Ok
15	PB164501ZHE#01	VX043623.D	30 Oct 2024 14:47	JC/MD	Ok
16	PB164501ZHE#02	VX043624.D	30 Oct 2024 15:11	JC/MD	Ok
17	PB164501ZHE#03	VX043625.D	30 Oct 2024 15:34	JC/MD	Ok
18	PB164501ZHE#04	VX043626.D	30 Oct 2024 15:57	JC/MD	Ok
19	PB164501ZHE#05	VX043627.D	30 Oct 2024 16:20	JC/MD	Ok
20	PB164501ZHE#06	VX043628.D	30 Oct 2024 16:44	JC/MD	Ok
21	PB164501ZHE#07	VX043629.D	30 Oct 2024 17:07	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 # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM				
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB164501ZHE#08	VX043630.D	30 Oct 2024 17:30	JC/MD	Ok
23	PB164501ZHE#09	VX043631.D	30 Oct 2024 17:53	JC/MD	Ok
24	PB164501ZHE#10	VX043632.D	30 Oct 2024 18:16	JC/MD	Ok
25	PB164501ZHE#11	VX043633.D	30 Oct 2024 18:39	JC/MD	Ok
26	PB164501ZHE#12	VX043634.D	30 Oct 2024 19:03	JC/MD	Ok
27	VSTDCCC050	VX043635.D	30 Oct 2024 19:25	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 # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043555.D	28 Oct 2024 10:09		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX043556.D	28 Oct 2024 10:59	Method pass	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX043557.D	28 Oct 2024 11:22	8260D	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX043558.D	28 Oct 2024 11:45		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX043559.D	28 Oct 2024 12:08		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX043560.D	28 Oct 2024 12:31		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX043561.D	28 Oct 2024 12:54		JC/MD	Ok,M
8	VIBLK	VIBLK	VX043562.D	28 Oct 2024 14:04		JC/MD	Ok
9	VSTDICV050	ICVVX102824	VX043563.D	28 Oct 2024 14:27		JC/MD	Ok,M
10	VX1028MBL01	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	Internal standard fail	JC/MD	Not Ok
11	VX1028WBL01	VX1028WBL01	VX043565.D	28 Oct 2024 15:52		JC/MD	Ok
12	VX1028WBS01	VX1028WBS01	VX043566.D	28 Oct 2024 16:28		JC/MD	Ok,M
13	VX1028WBSD01	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51		JC/MD	Ok,M
14	PB164394TB	PB164394TB	VX043568.D	28 Oct 2024 17:14	pH#5.0 A	JC/MD	Ok
15	PB164394ZHE#01	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	pH#5.0 A	JC/MD	Ok
16	PB164394ZHE#02	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	pH#5.0 A	JC/MD	Ok
17	PB164394ZHE#03	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	pH#5.0 A	JC/MD	Ok
18	PB164394ZHE#04	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	pH#5.0 A	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 # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB164394ZHE#05	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	pH#5.0 A	JC/MD	Ok
20	PB164394ZHE#06	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	pH#5.0 A	JC/MD	Ok
21	PB164394ZHE#07	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	pH#5.0 A	JC/MD	Ok
22	PB164394ZHE#08	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	pH#5.0 A	JC/MD	Ok
23	PB164394ZHE#09	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	pH#5.0 A	JC/MD	Ok
24	PB164394ZHE#10	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	pH#5.0 A	JC/MD	Ok
25	PB164394ZHE#11	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	pH#5.0 A	JC/MD	Ok
26	PB164394ZHE#12	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043581.D	28 Oct 2024 22:15	out of tune time	JC/MD	Not Ok

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 # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043582.D	29 Oct 2024 08:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043583.D	29 Oct 2024 09:29		JC/MD	Ok,M
3	VX1029MBL01	VX1029MBL01	VX043584.D	29 Oct 2024 10:06		JC/MD	Ok
4	VX1029WBL01	VX1029WBL01	VX043585.D	29 Oct 2024 10:31		JC/MD	Ok
5	VX1029WBS01	VX1029WBS01	VX043586.D	29 Oct 2024 10:57		JC/MD	Ok,M
6	VX1029WBSD01	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043588.D	29 Oct 2024 11:43		JC/MD	Ok
8	P4596-07	TOTE-WATER-COMP	VX043589.D	29 Oct 2024 12:10		JC/MD	Ok,M
9	VIBLK	VIBLK	VX043590.D	29 Oct 2024 12:33		JC/MD	Ok
10	P4578-09	TB-10252024	VX043591.D	29 Oct 2024 12:56	vial A pH<2 TB	JC/MD	Ok
11	P4548-09	TRIP BLANK	VX043592.D	29 Oct 2024 13:19	vial A pH<2 TB	JC/MD	Ok
12	P4548-01	MW-1	VX043593.D	29 Oct 2024 13:43	vial A pH<2	JC/MD	Ok
13	P4548-03	MW-2	VX043594.D	29 Oct 2024 14:06	vial A pH<2	JC/MD	Ok
14	P4548-05	MW-3	VX043595.D	29 Oct 2024 14:29	vial A pH<2	JC/MD	Ok
15	P4548-07	MW-4	VX043596.D	29 Oct 2024 14:52	vial A pH<2	JC/MD	Ok
16	P4578-01	WB-305-SW	VX043597.D	29 Oct 2024 15:15	vial A pH<2	JC/MD	Ok
17	P4578-02	WB-305-SW-1	VX043598.D	29 Oct 2024 15:38	vial A pH<2	JC/MD	Ok
18	P4600-01	BP-VPB-190-TB-20241	VX043599.D	29 Oct 2024 16:01	vial A pH<2 TB	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4600-02	BP-VPB-190-DUP-2024	VX043600.D	29 Oct 2024 16:24	vial A pH<2	JC/MD	Ok
20	P4600-03	BP-VPB-190-GW-438-4	VX043601.D	29 Oct 2024 16:48	vial A pH<2	JC/MD	Ok
21	P4600-04	BP-VPB-190-GW-458-4	VX043602.D	29 Oct 2024 17:11	vial A pH<2	JC/MD	Ok
22	P4600-05	BP-VPB-190-GW-478-4	VX043603.D	29 Oct 2024 17:34	vial A pH<2 Internal standard fail	JC/MD	ReRun
23	P4600-06	BP-VPB-190-GW-498-5	VX043604.D	29 Oct 2024 17:57	vial A pH<2	JC/MD	Ok
24	P4600-07	BP-VPB-190-GW-518-5	VX043605.D	29 Oct 2024 18:20	vial A pH<2	JC/MD	Ok
25	P4562-01	Storage-Blank-SOIL-RE	VX043606.D	29 Oct 2024 18:43	vial A pH<2	JC/MD	Ok
26	P4562-02	Storage-Blank-WATER-	VX043607.D	29 Oct 2024 19:06		JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043608.D	29 Oct 2024 19:29		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 # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043609.D	30 Oct 2024 08:59		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043610.D	30 Oct 2024 09:26		JC/MD	Ok,M
3	VX1030MBL01	VX1030MBL01	VX043611.D	30 Oct 2024 09:59		JC/MD	Ok
4	VX1030WBL01	VX1030WBL01	VX043612.D	30 Oct 2024 10:22		JC/MD	Ok
5	VX1030WBS01	VX1030WBS01	VX043613.D	30 Oct 2024 10:56		JC/MD	Ok,M
6	VX1030WBSD01	VX1030WBSD01	VX043614.D	30 Oct 2024 11:19		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043615.D	30 Oct 2024 11:42		JC/MD	Ok
8	P4600-05	BP-VPB-190-GW-478-4	VX043616.D	30 Oct 2024 12:06	pH# 1.0 B	JC/MD	Ok
9	P4560-01	GCNW6	VX043617.D	30 Oct 2024 12:29	Trace	JC/MD	Not Ok
10	P4562-03	Storage-Blank-WATER-	VX043618.D	30 Oct 2024 12:52	pH#1.0 A	JC/MD	Ok
11	P4562-04	Storage-Blank-SAMPLE	VX043619.D	30 Oct 2024 13:15	pH#1.0 A	JC/MD	Ok
12	P4615-04	TB-10292024	VX043620.D	30 Oct 2024 13:38	TB,pH#1.0 A	JC/MD	Ok
13	P4547-04	BP-F-21	VX043621.D	30 Oct 2024 14:01	pH#5.0 A	JC/MD	Ok
14	PB164501TB	PB164501TB	VX043622.D	30 Oct 2024 14:24	pH#5.0 A	JC/MD	Ok
15	PB164501ZHE#01	PB164501ZHE#01	VX043623.D	30 Oct 2024 14:47	pH#5.0 A	JC/MD	Ok
16	PB164501ZHE#02	PB164501ZHE#02	VX043624.D	30 Oct 2024 15:11	pH#5.0 A	JC/MD	Ok
17	PB164501ZHE#03	PB164501ZHE#03	VX043625.D	30 Oct 2024 15:34	pH#5.0 A	JC/MD	Ok
18	PB164501ZHE#04	PB164501ZHE#04	VX043626.D	30 Oct 2024 15:57	pH#5.0 A	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 # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB164501ZHE#05	PB164501ZHE#05	VX043627.D	30 Oct 2024 16:20	pH#5.0 A	JC/MD	Ok
20	PB164501ZHE#06	PB164501ZHE#06	VX043628.D	30 Oct 2024 16:44	pH#5.0 A	JC/MD	Ok
21	PB164501ZHE#07	PB164501ZHE#07	VX043629.D	30 Oct 2024 17:07	pH#5.0 A	JC/MD	Ok
22	PB164501ZHE#08	PB164501ZHE#08	VX043630.D	30 Oct 2024 17:30	pH#5.0 A	JC/MD	Ok
23	PB164501ZHE#09	PB164501ZHE#09	VX043631.D	30 Oct 2024 17:53	pH#5.0 A	JC/MD	Ok
24	PB164501ZHE#10	PB164501ZHE#10	VX043632.D	30 Oct 2024 18:16	pH#5.0 A	JC/MD	Ok
25	PB164501ZHE#11	PB164501ZHE#11	VX043633.D	30 Oct 2024 18:39	pH#5.0 A	JC/MD	Ok
26	PB164501ZHE#12	PB164501ZHE#12	VX043634.D	30 Oct 2024 19:03	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043635.D	30 Oct 2024 19:25		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 : P4600

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX102924,VX103024,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130430,VP130836,VP131134,VP131169,VP131171,VP131172,VP131182,VP131183,VP131184,

Chemical ID :
V12794,V12798,V13390,V13444,V13462,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14171,V14172,V14203,V14206,V14215,V14288,V14436,V14443,V14546,V14547,V14548,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP128298	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 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	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP130836	10/14/2024	11/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/16/2024

FROM 1.00000ml of V14548 + 1.50000ml of V14546 + 1.50000ml of V14547 + 21.00000ml of V14145 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131169	10/29/2024	10/30/2024	Amit Patel	None	None	Semsettin Yesilyurt 11/01/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131171	10/29/2024	10/30/2024	Amit Patel	None	None	Semsettin Yesilyurt 11/01/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = 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	VP131172	10/29/2024	10/30/2024	Amit Patel	None	None	Semsettin Yesilyurt 11/01/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131182	10/30/2024	10/31/2024	Amit Patel	None	None	Semsettin Yesilyurt 11/04/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = 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	VP131183	10/30/2024	10/31/2024	Amit Patel	None	None	Semsettin Yesilyurt 11/04/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = 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	VP131184	10/30/2024	10/31/2024	Amit Patel	None	None	Semsettin Yesilyurt 11/04/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = Final Quantity: 40.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

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	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

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.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

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	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

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	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14548

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol 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

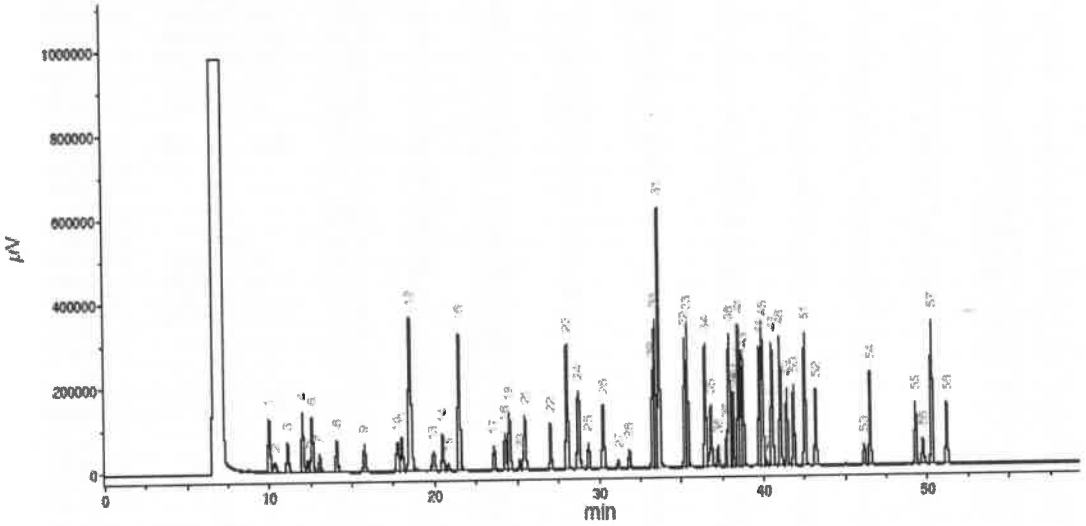
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(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)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 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	33.88
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.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

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

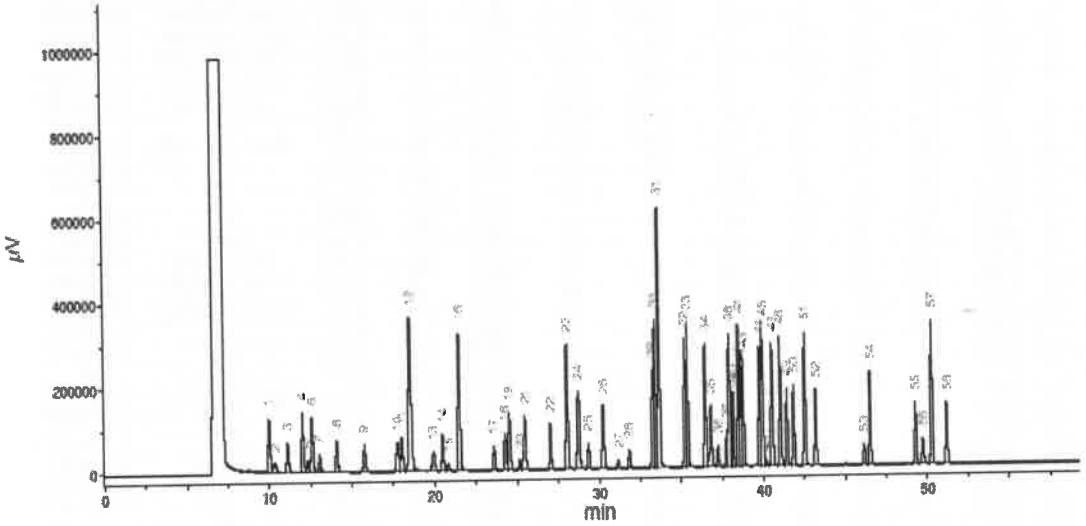
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(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)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 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	33.88
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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

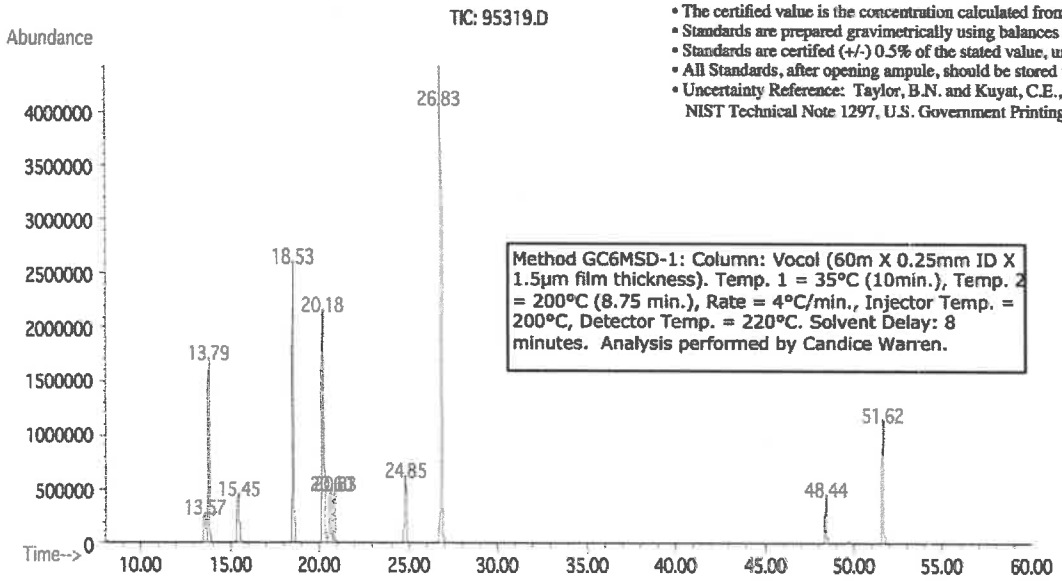
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

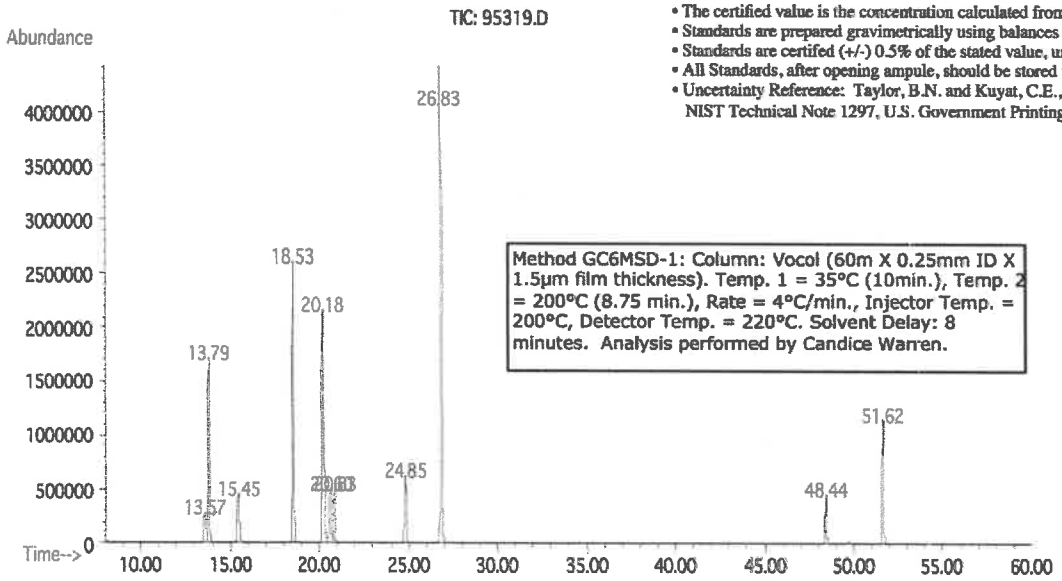
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

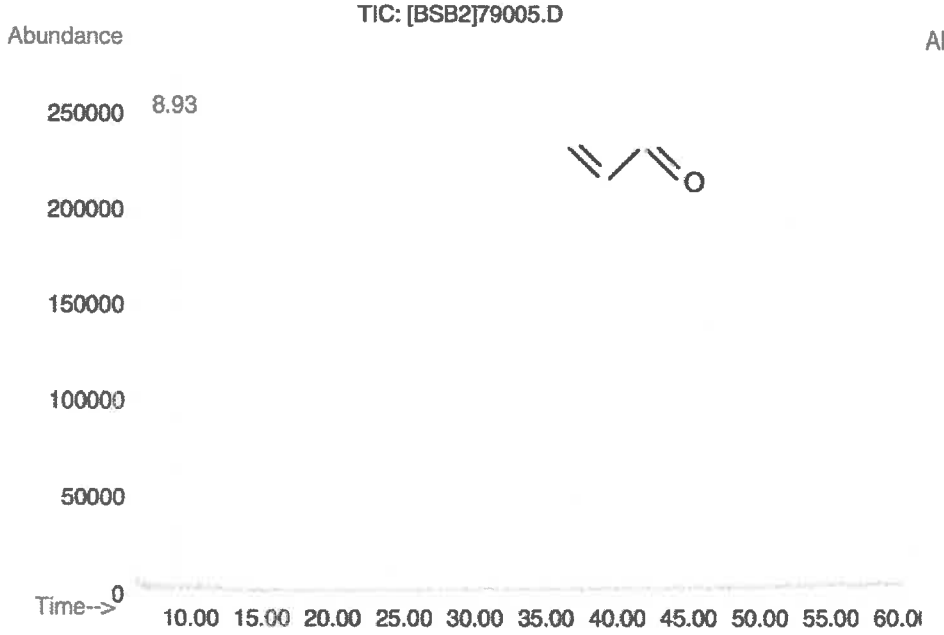
Solvent(s): **Lot#**
Water 072324Q

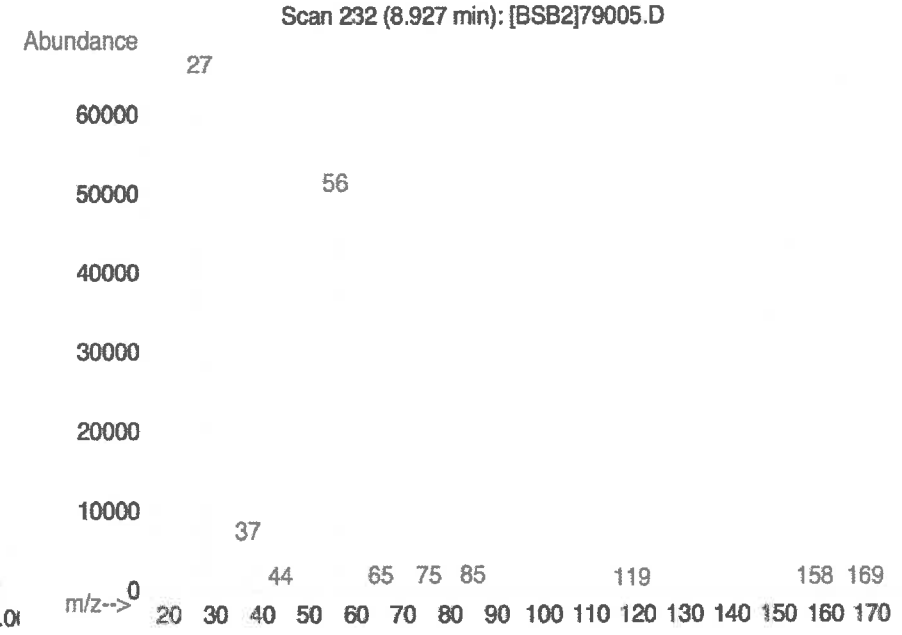
		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 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	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

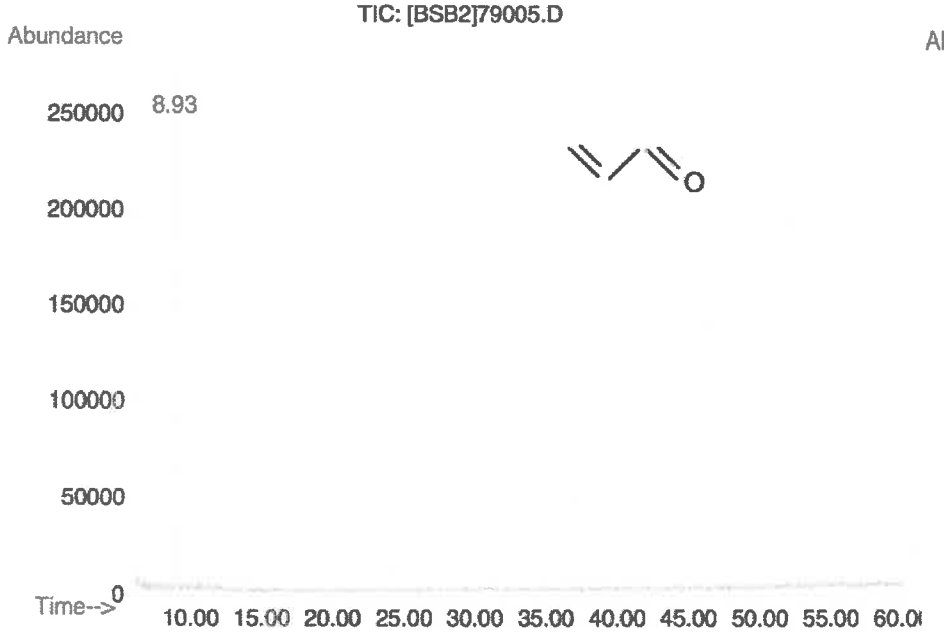
Solvent(s): **Lot#**
Water 072324Q

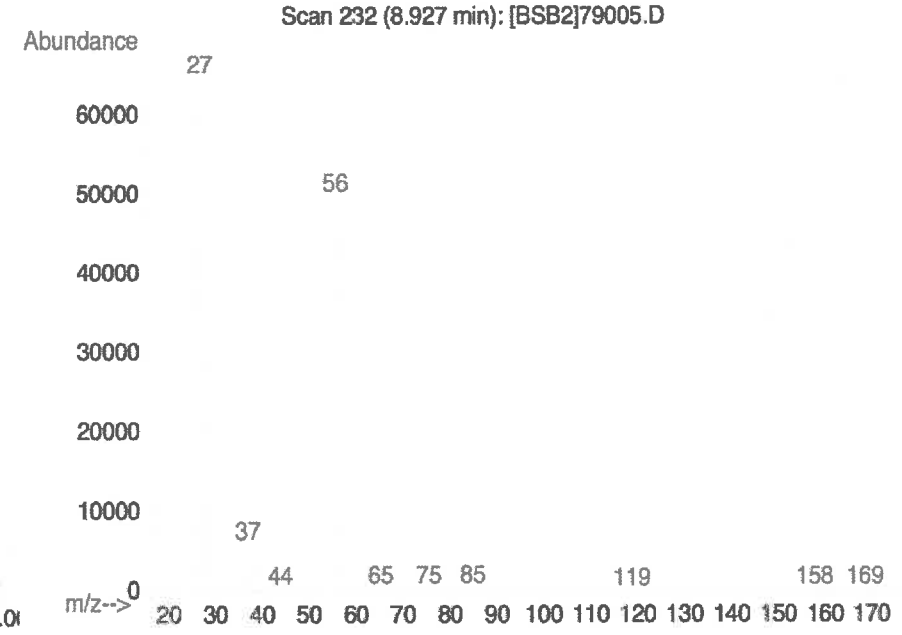
		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 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	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

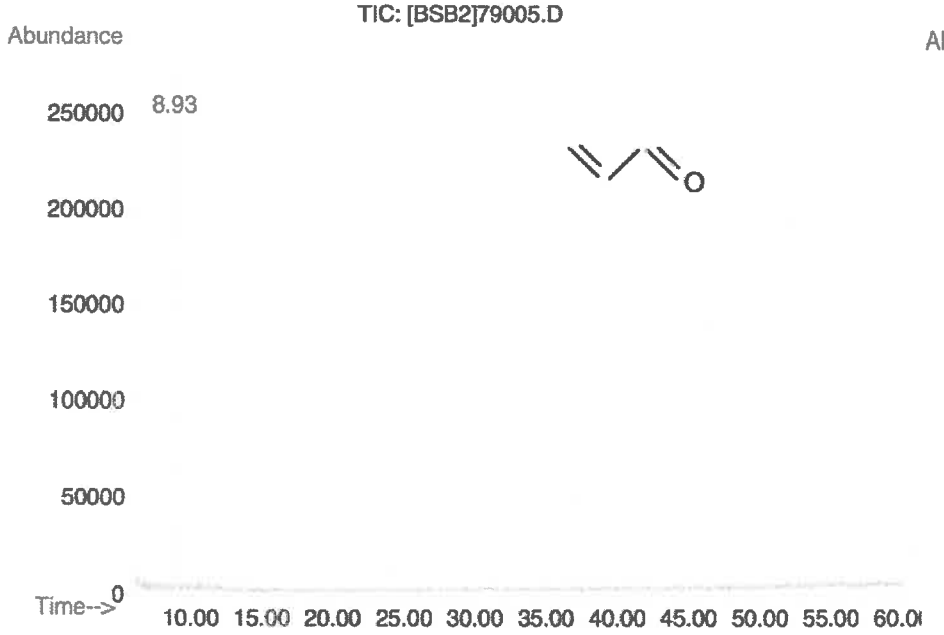
Solvent(s): **Lot#**
Water 072324Q

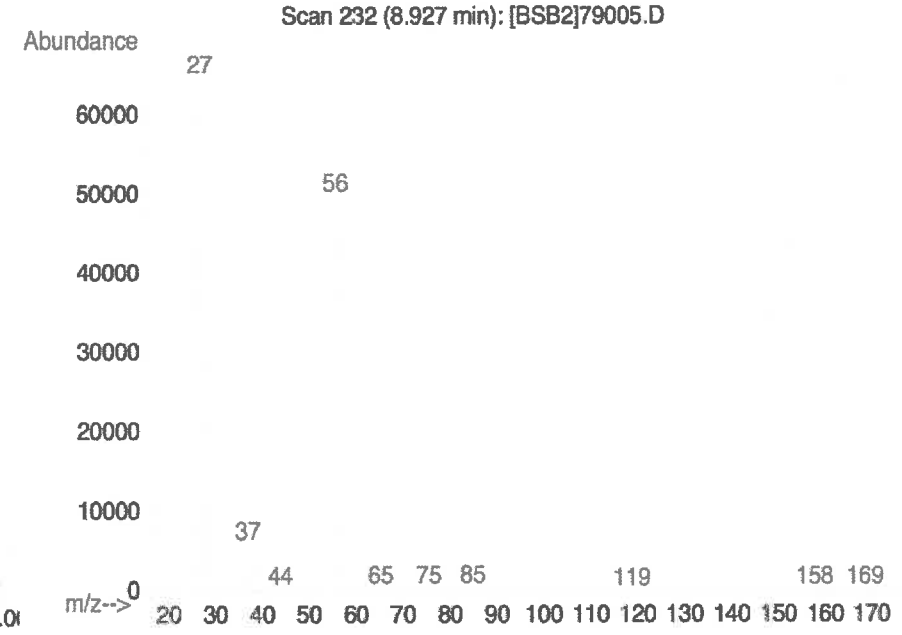
		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 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	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

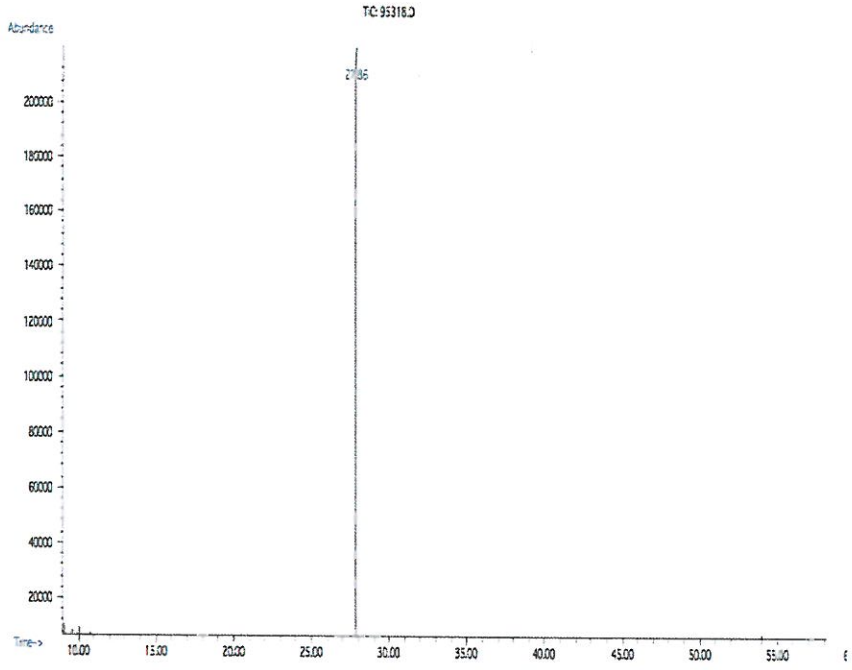
Solvent(s): **Lot#**
Methanol EA899-US

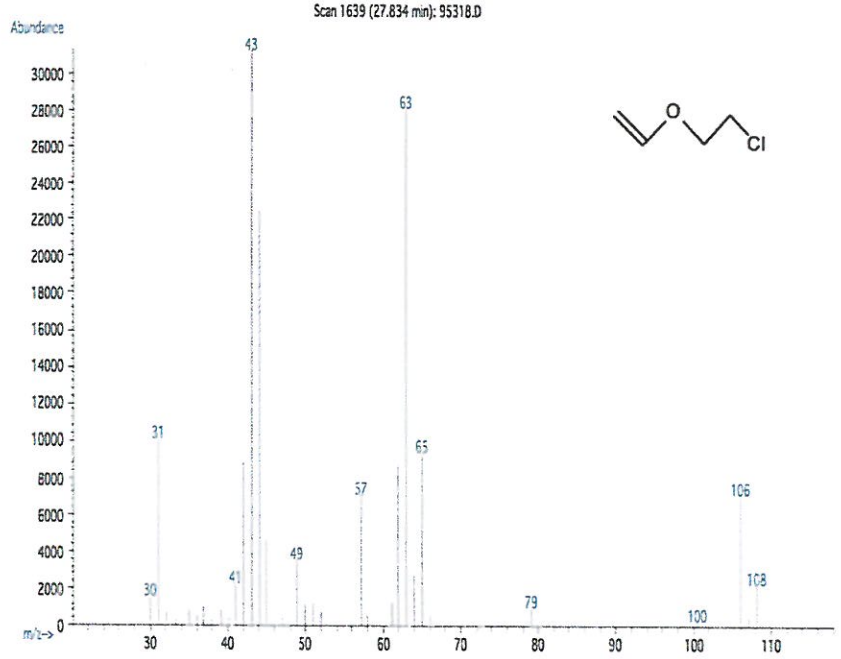
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		121321
Formulated By:	Benson Chan	DATE
		121321
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	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

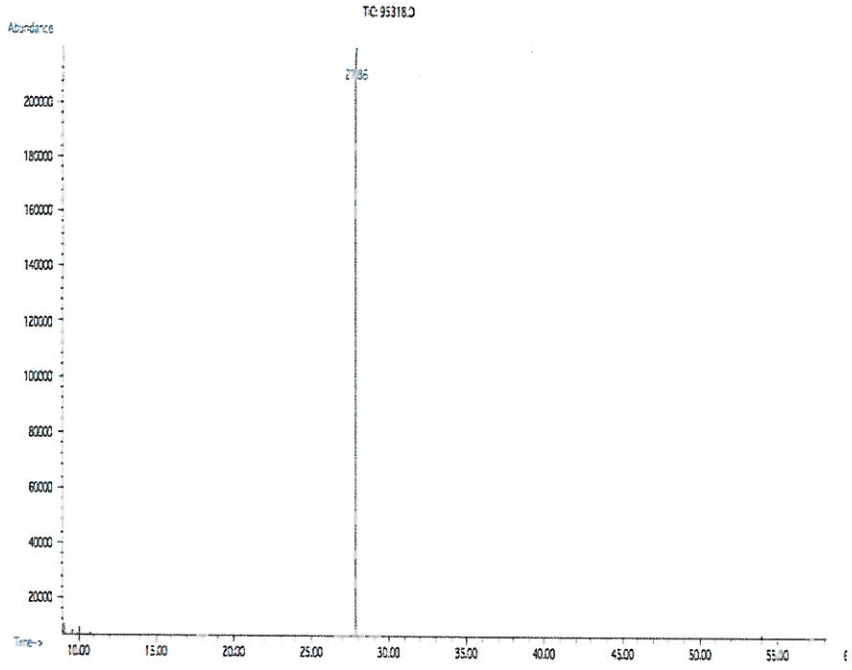
Solvent(s): **Lot#**
Methanol EA899-US

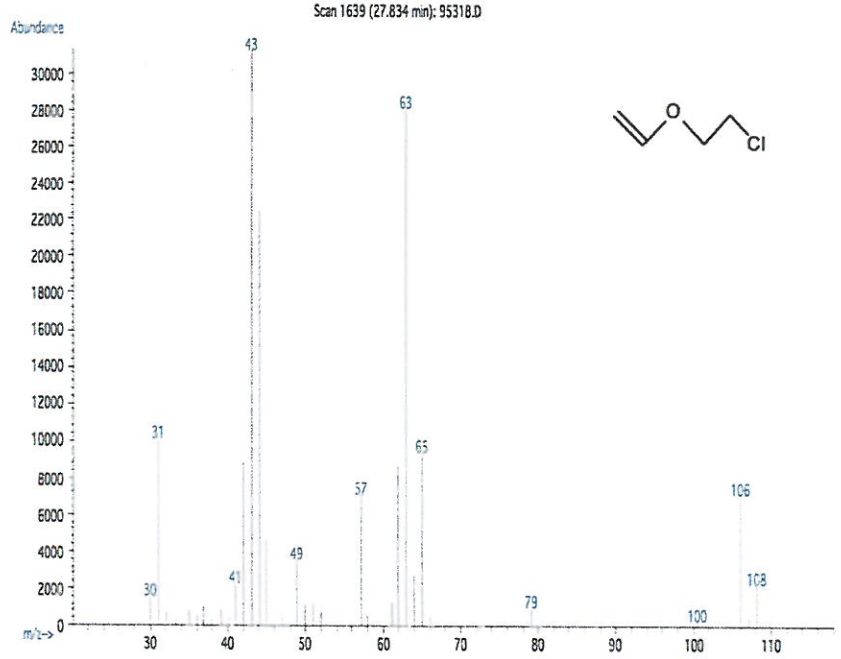
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

		121321
Formulated By:	Benson Chan	DATE
		121321
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	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

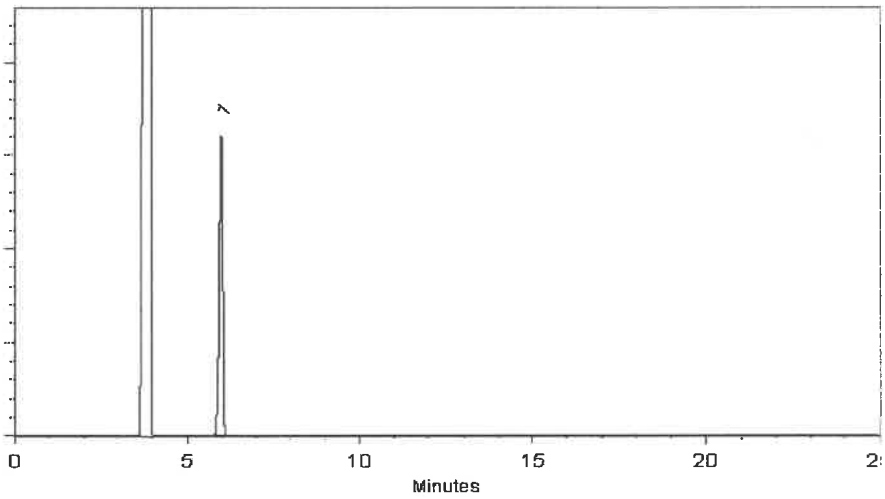
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

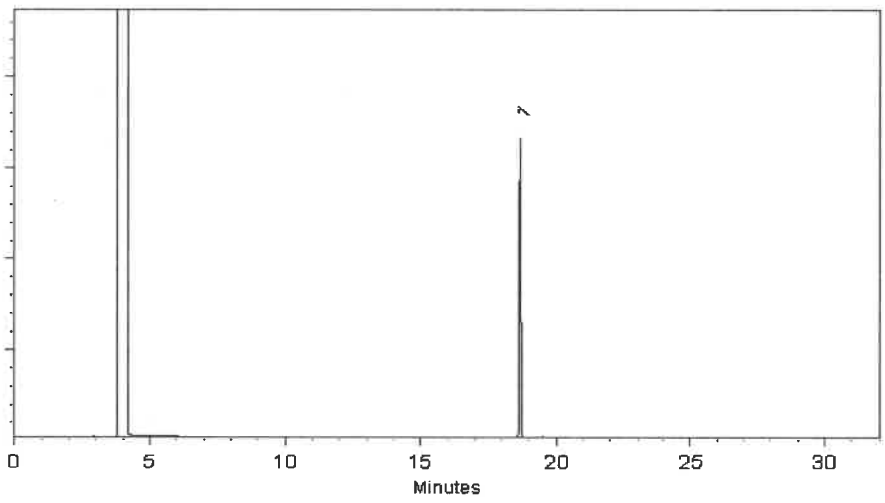
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

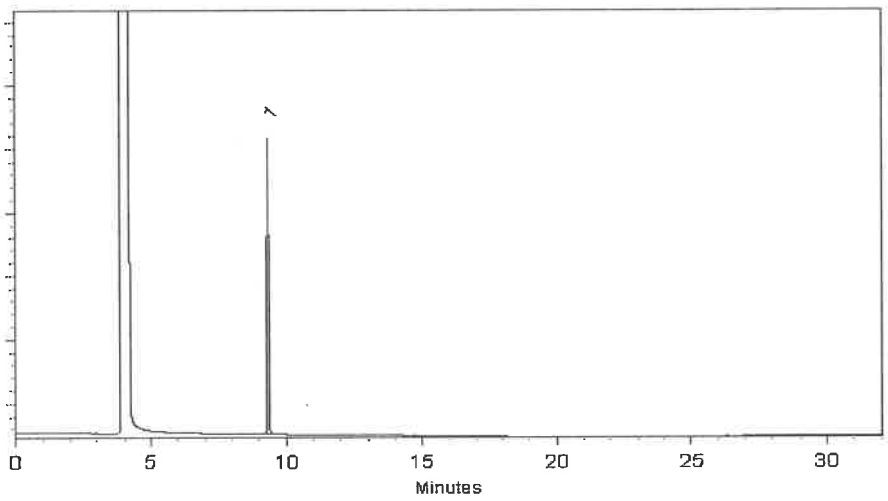
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

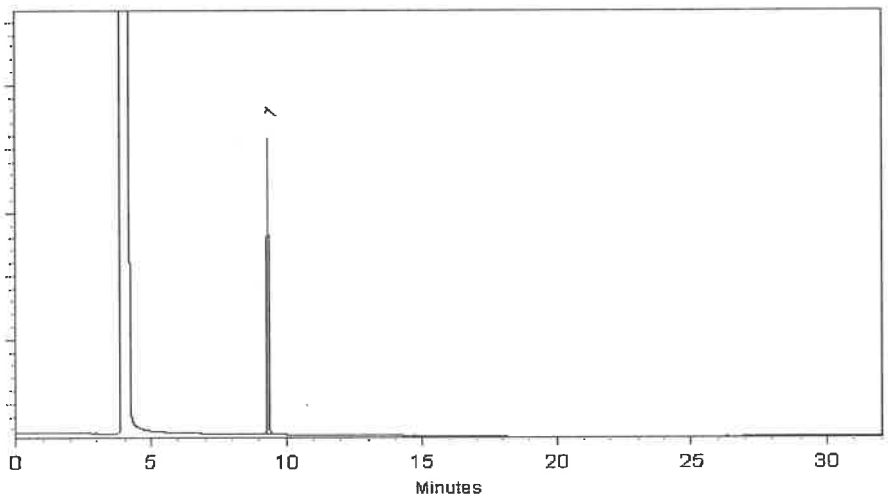
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

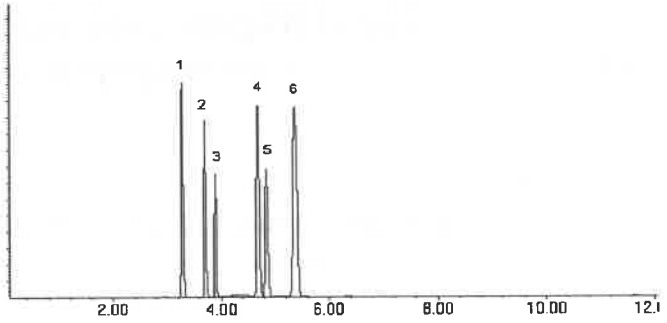
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

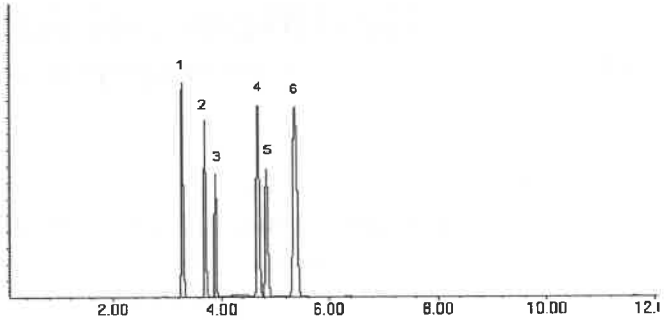
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

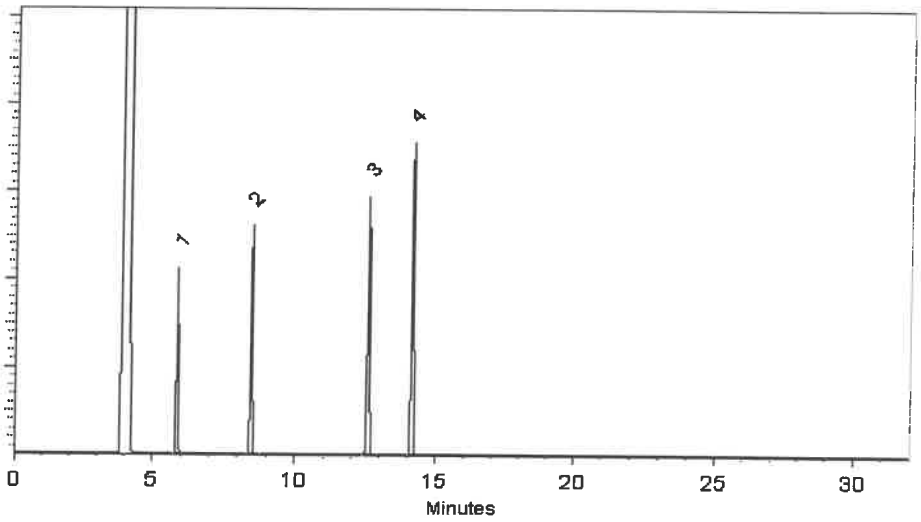
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

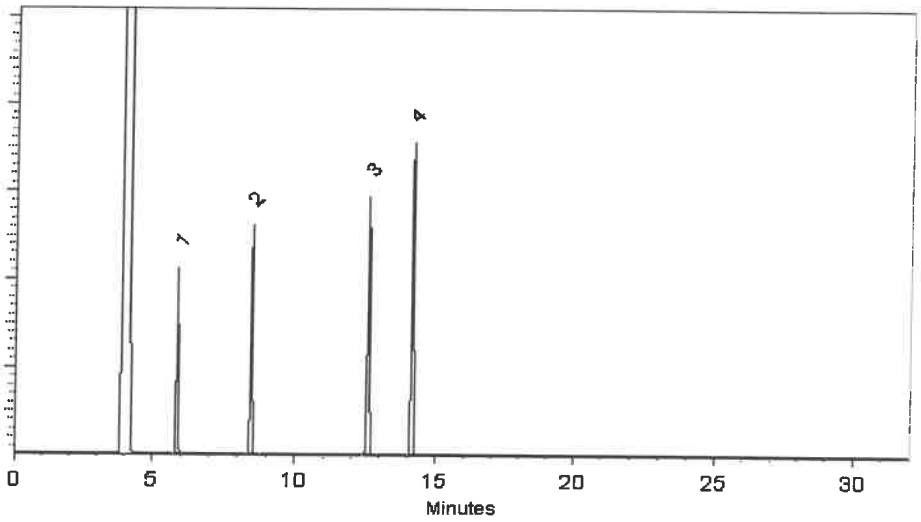
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

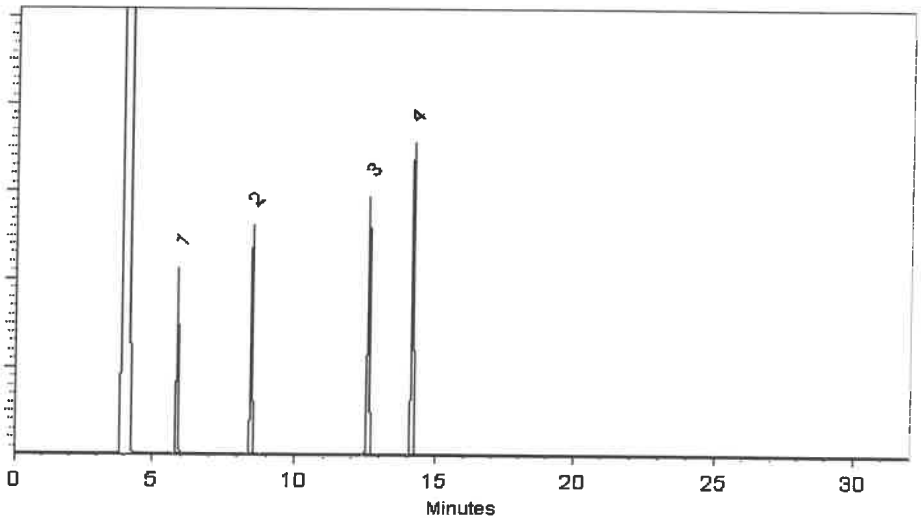
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

12

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

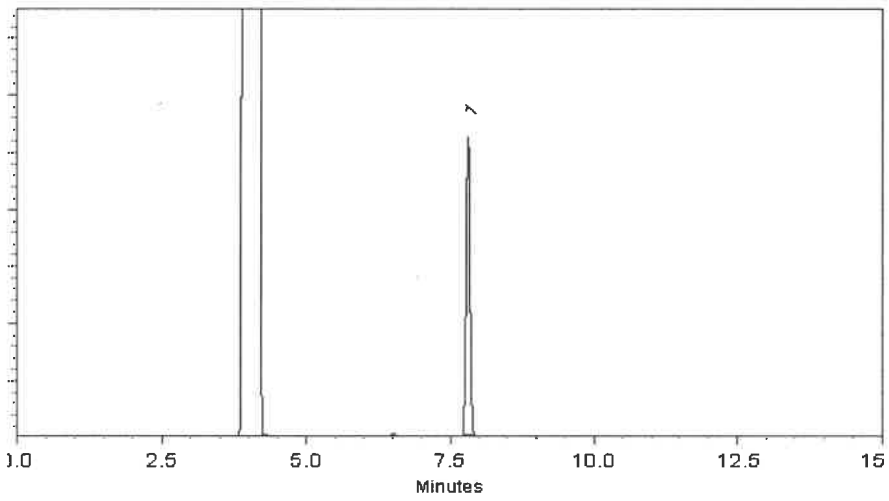
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

12

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

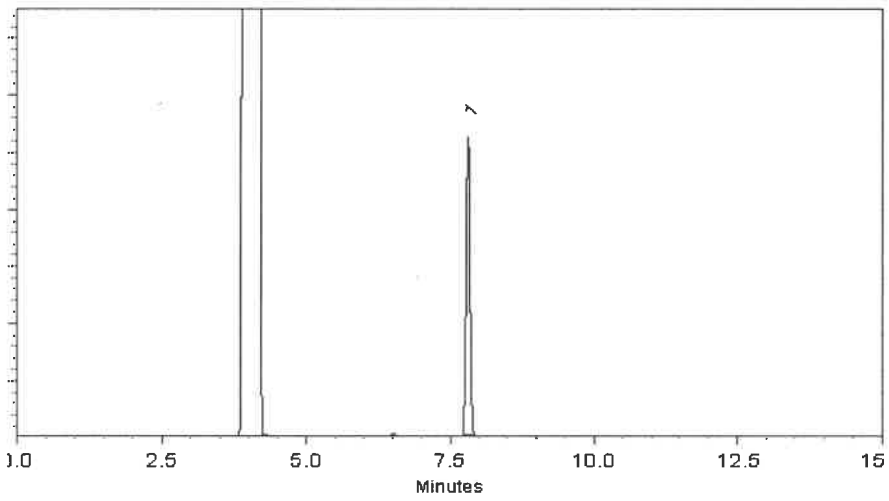
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.)

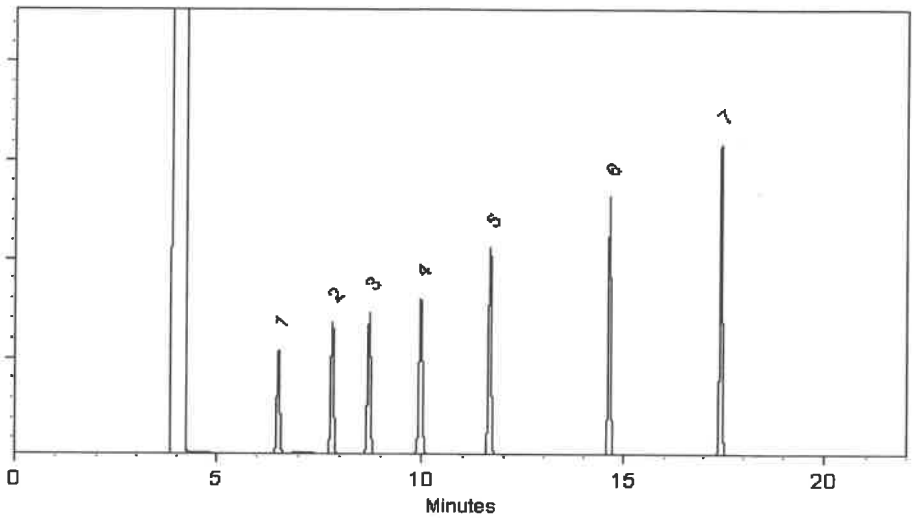
Inj. Temp:
200°C

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.)

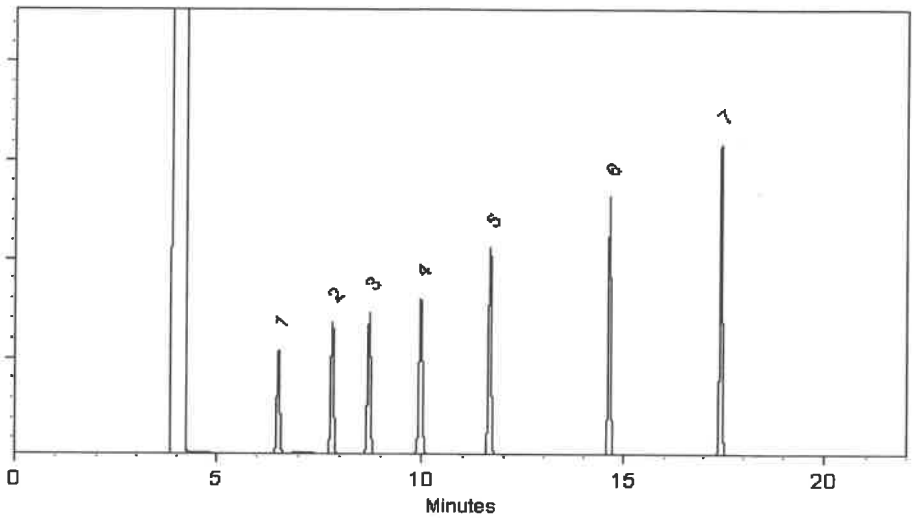
Inj. Temp:
200°C

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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P4600

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-189
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
VOC(SW846-8260B)									
1,4 Dioxane (8270 SIM)									

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-190-TB-20241025	QA		X	10/25/24	8:00	2	2										Trip Blank
2.	BP-VPB-190-DUP-20241025	QA		X	10/25/24	12:00	2	2										Duplicate sample
3.	BP-VPB-190-GW-438-440	AQ		X	10/25/24	10:00	3	2	1									
4.	BP-VPB-190-GW-458-460	AQ		X	10/25/24	12:15	2	2										
5.	BP-VPB-190-GW-478-480	AQ		X	10/25/24	14:35	3	2	1									
6.	BP-VPB-190-GW-498-500	AQ		X	10/28/24	11:50	2	2										
7.	BP-VPB-190-GW-518-520	AQ		X	10/28/24	14:05	3	2	1									
8.																		
9.																		
10.																		

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
1. RELINQUISHED BY SAMPLER	10/28/24 15:15	1. RECEIVED BY	1530 10-28-24
2. RELINQUISHED BY	DATE/TIME	2. RECEIVED BY	
3. RELINQUISHED BY	1810 10-28-24	3. RECEIVED FOR LAB BY	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.7 C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:

Comments: **48hr TAT** - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

CHEMTECH 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 : P4600 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 10/29/2024 10:17:00 AM
Project Name : CTO WE13
Receive DateTime : ~~10/29/2024 6~~:10:00 PM 10/28/2024
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4600-01	BP-VPB-190-TB-20241025	Water	10/25/2024	08:00	VOCMS Group1		8260-Low		2 Bus. Days
P4600-02	BP-VPB-190-DUP-20241025	Water	10/25/2024	12:00	VOCMS Group1		8260-Low		2 Bus. Days
P4600-03	BP-VPB-190-GW-438-440	Water	10/25/2024	10:00	VOCMS Group1		8260-Low		2 Bus. Days
P4600-04	BP-VPB-190-GW-458-460	Water	10/25/2024	12:15	VOCMS Group1		8260-Low		2 Bus. Days
P4600-05	BP-VPB-190-GW-478-480	Water	10/25/2024	14:35	VOCMS Group1		8260-Low		2 Bus. Days
P4600-06	BP-VPB-190-GW-498-500	Water	~~10/25/2024~~ 10/28/2024	11:50	VOCMS Group1		8260-Low		2 Bus. Days
P4600-07	BP-VPB-190-GW-518-520	Water	~~10/25/2024~~ 10/28/2024	14:05	VOCMS Group1		8260-Low		2 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4600 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 10/29/2024 10:17:00 AM
Project Name : CTO WE13
Receive DateTime : ~~10/29/2024~~ 6:10:00 PM 10/28/2024
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 10-29-24 1230

Received By : [signature]
Date / Time : 10/29/24 1230

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	161665	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	295688	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	253619	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113521	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	3951	1.541	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	3.080%#			
35) Dibromofluoromethane	5.391	113	2897	1.471	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.940%#			
50) Toluene-d8	8.653	98	9069	1.328	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.660%#			
62) 4-Bromofluorobenzene	11.085	95	2759	1.106	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.220%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1906	1.058	ug/l		96
3) Chloromethane	1.294	50	2572	1.119	ug/l		94
4) Vinyl Chloride	1.374	62	2023	0.966	ug/l	#	85
5) Bromomethane	1.599	94	860	1.051	ug/l		96
6) Chloroethane	1.666	64	850	1.240	ug/l		90
7) Trichlorofluoromethane	1.861	101	2660	0.968	ug/l		95
8) Diethyl Ether	2.136	74	1086	0.905	ug/l		62
9) 1,1,2-Trichlorotrifluo...	2.313	101	1687	0.972	ug/l		97
10) Methyl Iodide	2.441	142	2342	0.975	ug/l		95
11) Tert butyl alcohol	3.020	59	2313	4.223	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	1723	1.010	ug/l	#	80
13) Acrolein	2.239	56	1906	4.416	ug/l		91
14) Allyl chloride	2.654	41	2945	0.973	ug/l		98
15) Acrylonitrile	3.081	53	4889	4.029	ug/l		96
16) Acetone	2.392	43	5896	5.386	ug/l		98
17) Carbon Disulfide	2.495	76	3450	0.977	ug/l		95
18) Methyl Acetate	2.709	43	3137	0.954	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	6442	0.971	ug/l		99
20) Methylene Chloride	2.788	84	2497	1.167	ug/l		84
21) trans-1,2-Dichloroethene	3.087	96	1808	0.979	ug/l		88
22) Diisopropyl ether	3.776	45	5818	0.931	ug/l		97
23) Vinyl Acetate	3.727	43	21436	4.154	ug/l		98
24) 1,1-Dichloroethane	3.599	63	3565	1.012	ug/l	#	91
25) 2-Butanone	4.593	43	6900	4.150	ug/l		100
26) 2,2-Dichloropropane	4.465	77	3002	1.182	ug/l		94
27) cis-1,2-Dichloroethene	4.489	96	2288	0.994	ug/l		95
28) Bromochloromethane	4.897	49	1656	0.950	ug/l	#	68
29) Tetrahydrofuran	5.032	42	4543	4.185	ug/l	#	84
30) Chloroform	5.093	83	3785	1.005	ug/l	#	81
31) Cyclohexane	5.458	56	2793	0.999	ug/l	#	88
32) 1,1,1-Trichloroethane	5.373	97	3037	0.959	ug/l	#	48
36) 1,1-Dichloropropene	5.702	75	2670	1.146	ug/l		91
37) Ethyl Acetate	4.739	43	978	0.308	ug/l	#	79
38) Carbon Tetrachloride	5.660	117	2731	1.031	ug/l		98
39) Methylcyclohexane	7.379	83	2811	0.941	ug/l	#	87
40) Benzene	6.050	78	7896	1.014	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	553	0.346	ug/l	#	41
42) 1,2-Dichloroethane	6.098	62	2692	0.939	ug/l		95
43) Isopropyl Acetate	6.367	43	4398	0.874	ug/l		96
44) Trichloroethene	7.135	130	1898	1.028	ug/l		70
45) 1,2-Dichloropropane	7.428	63	1935	1.017	ug/l		99
46) Dibromomethane	7.592	93	1360	0.931	ug/l		88
47) Bromodichloromethane	7.824	83	2234	0.862	ug/l	#	95
48) Methyl methacrylate	7.708	41	1889	0.804	ug/l	#	84
49) 1,4-Dioxane	7.696	88	959	15.892	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.580	43	12287	3.855	ug/l		97
52) Toluene	8.720	92	4396	0.915	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	2487	0.948	ug/l		90
54) cis-1,3-Dichloropropene	8.366	75	2324	0.807	ug/l	#	87
55) 1,1,2-Trichloroethane	9.159	97	1879	0.927	ug/l	#	85
56) Ethyl methacrylate	9.128	69	2799	0.855	ug/l		92
57) 1,3-Dichloropropane	9.311	76	2929	0.875	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	6868	4.263	ug/l		93
59) 2-Hexanone	9.445	43	9840	4.082	ug/l		93
60) Dibromochloromethane	9.519	129	1531	0.807	ug/l		92
61) 1,2-Dibromoethane	9.616	107	1856	0.908	ug/l		98
64) Tetrachloroethene	9.275	164	1707	1.075	ug/l	#	82
65) Chlorobenzene	10.079	112	5570	1.056	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1525	0.856	ug/l	#	60
67) Ethyl Benzene	10.195	91	8911	1.015	ug/l		95
68) m/p-Xylenes	10.305	106	6344	1.908	ug/l		96
69) o-Xylene	10.640	106	3125	0.914	ug/l		91
70) Styrene	10.659	104	5108	0.923	ug/l		95
71) Bromoform	10.805	173	1032	0.859	ug/l	#	94
73) Isopropylbenzene	10.963	105	7996	0.985	ug/l		100
74) N-amyl acetate	10.848	43	3739	0.915	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	2747	0.884	ug/l		99
76) 1,2,3-Trichloropropane	11.244	75	3153	1.195	ug/l		88
77) Bromobenzene	11.201	156	2093	1.010	ug/l		98
78) n-propylbenzene	11.305	91	8350	0.966	ug/l		98
79) 2-Chlorotoluene	11.366	91	6183	1.066	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	6268	0.930	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.024	75	669	0.774	ug/l	#	91
82) 4-Chlorotoluene	11.457	91	6699	1.043	ug/l		95
83) tert-Butylbenzene	11.713	119	6551	0.953	ug/l		94
84) 1,2,4-Trimethylbenzene	11.756	105	6312	0.916	ug/l		95
85) sec-Butylbenzene	11.890	105	7481	0.940	ug/l		99
86) p-Isopropyltoluene	12.012	119	6224	0.944	ug/l		95
87) 1,3-Dichlorobenzene	11.969	146	3734	1.005	ug/l		98
88) 1,4-Dichlorobenzene	11.969	146	3734	0.997	ug/l		98
89) n-Butylbenzene	12.335	91	4807	0.899	ug/l		93
90) Hexachloroethane	12.530	117	926	0.868	ug/l		82
91) 1,2-Dichlorobenzene	12.335	146	3719	0.970	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	519	0.785	ug/l		89
93) 1,2,4-Trichlorobenzene	13.591	180	1965	0.876	ug/l		96
94) Hexachlorobutadiene	13.725	225	889	1.119	ug/l		86
95) Naphthalene	13.780	128	7377	0.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	2215	0.943	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

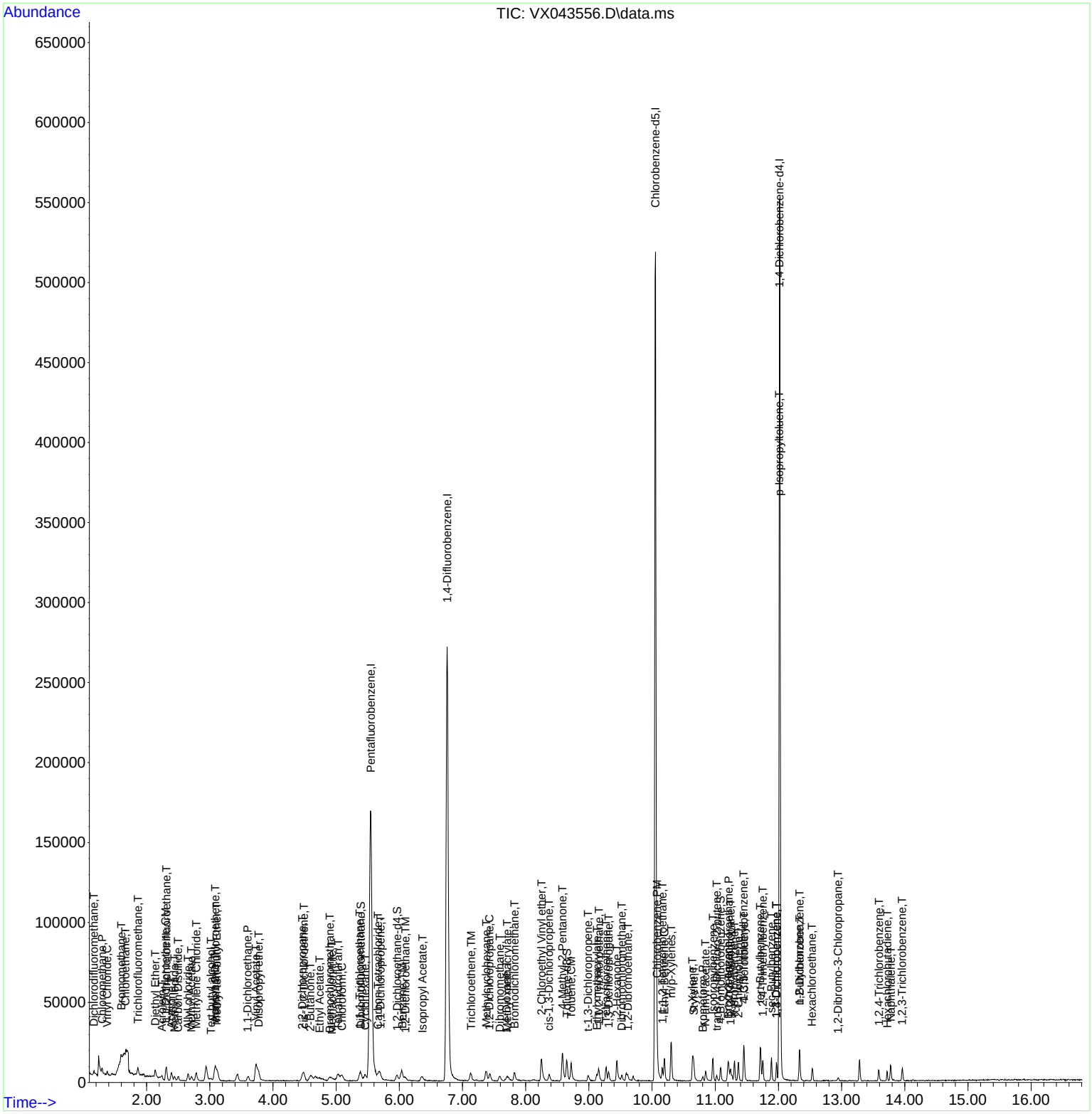
(#) = qualifier out of range (m) = manual integration (+) = signals summed

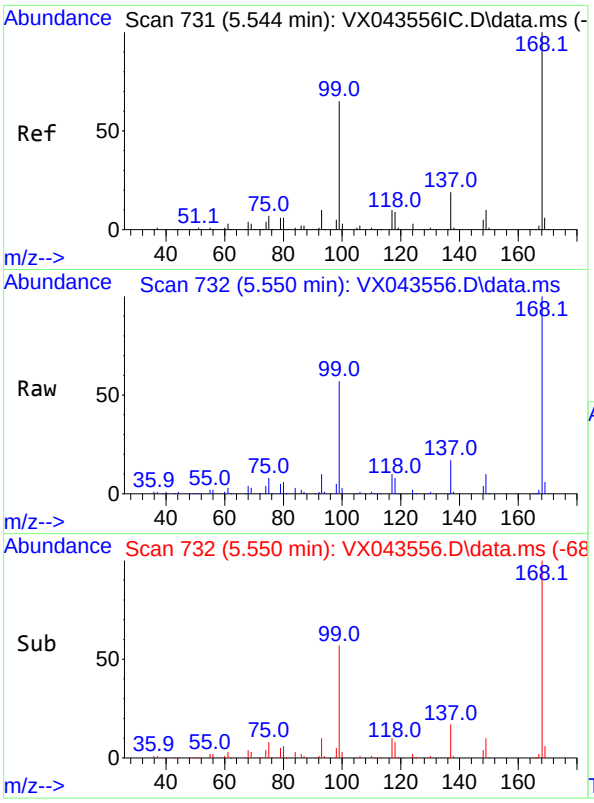
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration



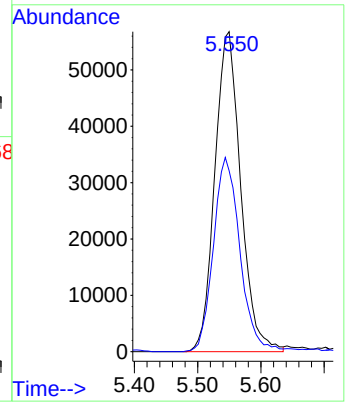


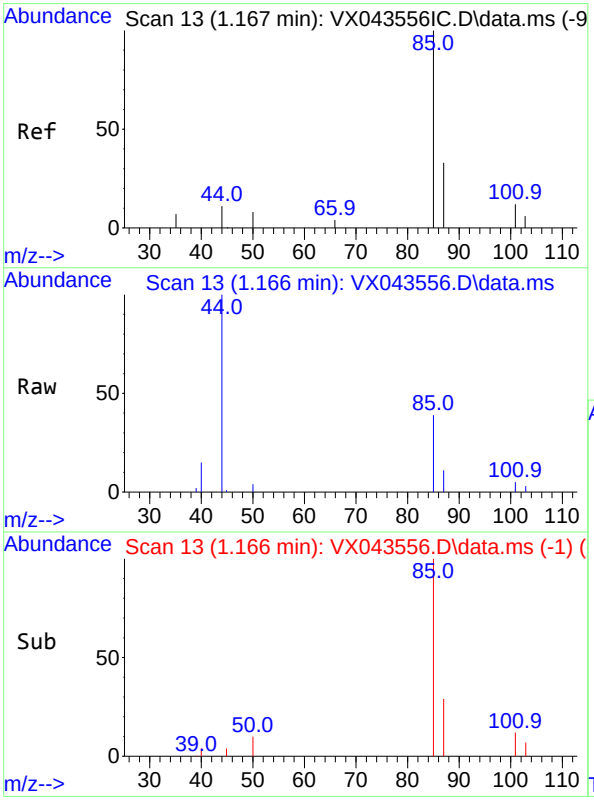
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 161665

Ion	Ratio	Lower	Upper
168	100		
99	56.5	52.6	78.8

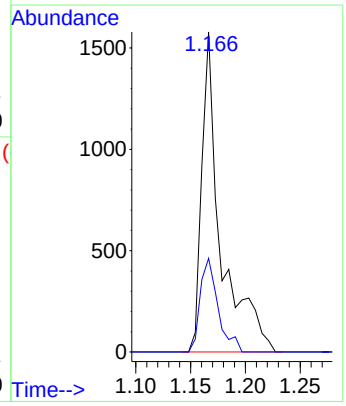


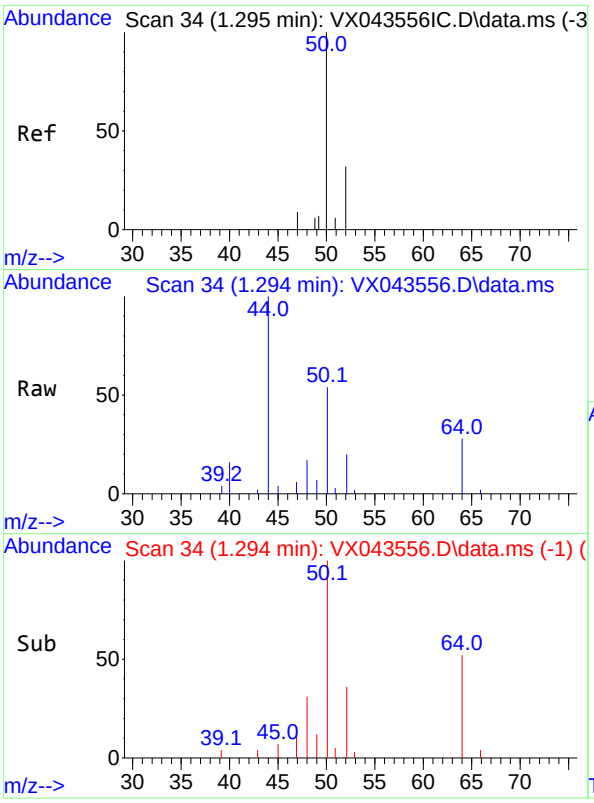


#2
Dichlorodifluoromethane
Concen: 1.058 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 85 Resp: 1906

Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.7	47.0



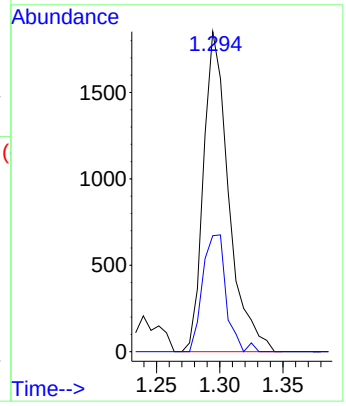


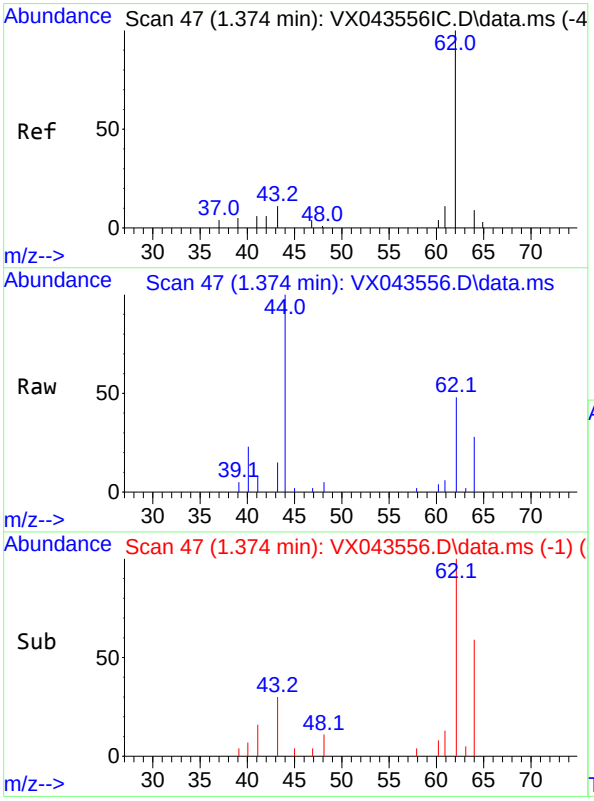
#3
Chloromethane
Concen: 1.119 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2572

Ion	Ratio	Lower	Upper
50	100		
52	36.2	26.3	39.5

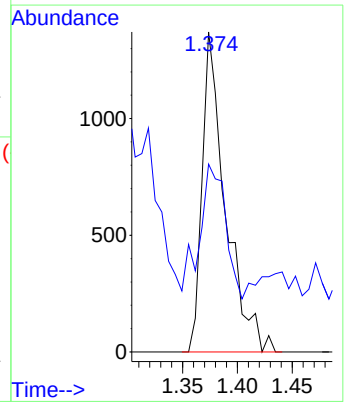


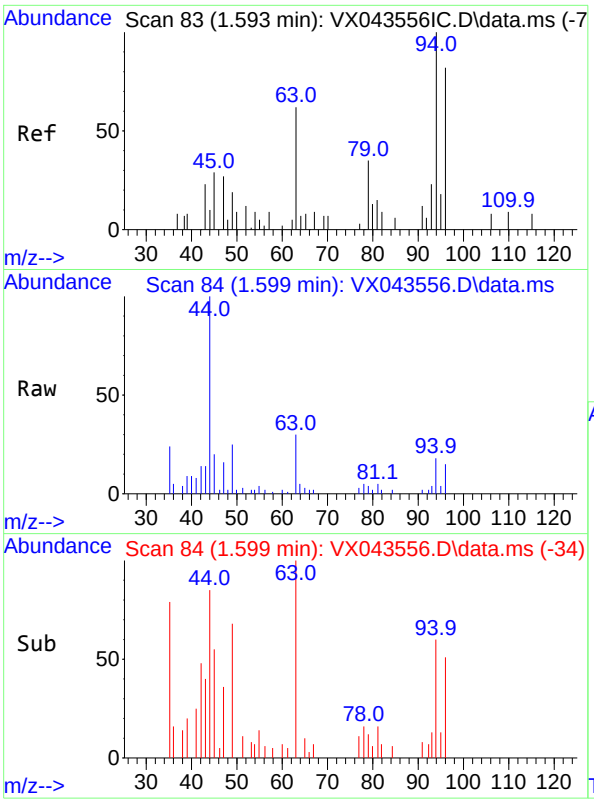


#4
Vinyl Chloride
Concen: 0.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 62 Resp: 2023

Ion	Ratio	Lower	Upper
62	100		
64	39.7	25.0	37.4#



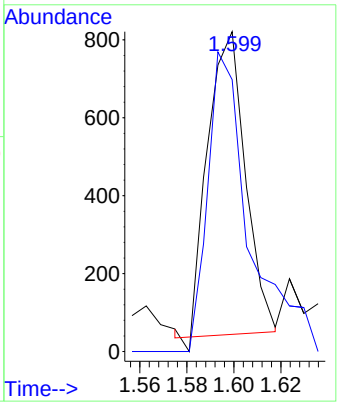


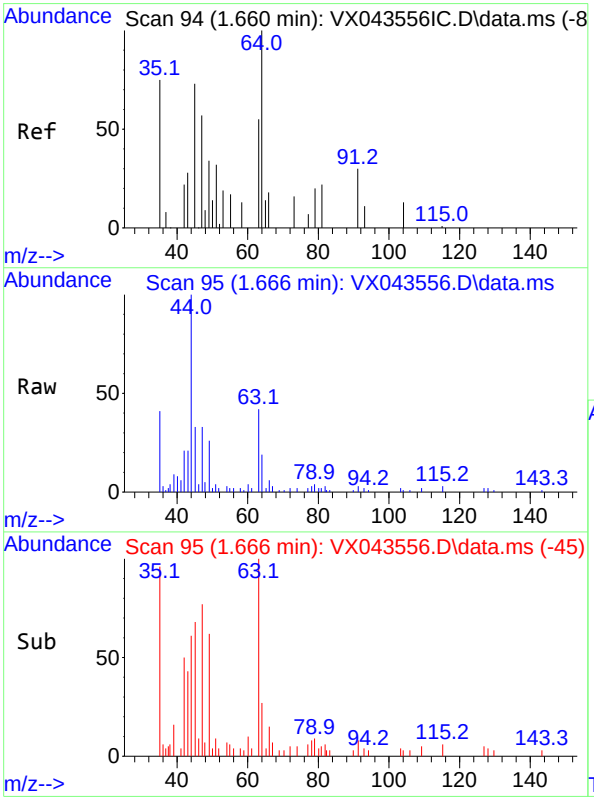
#5
Bromomethane
Concen: 1.051 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 860

Ion	Ratio	Lower	Upper
94	100		
96	91.5	75.9	113.9

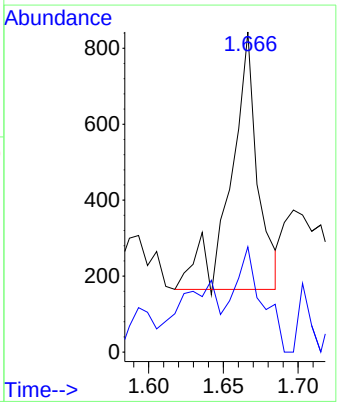


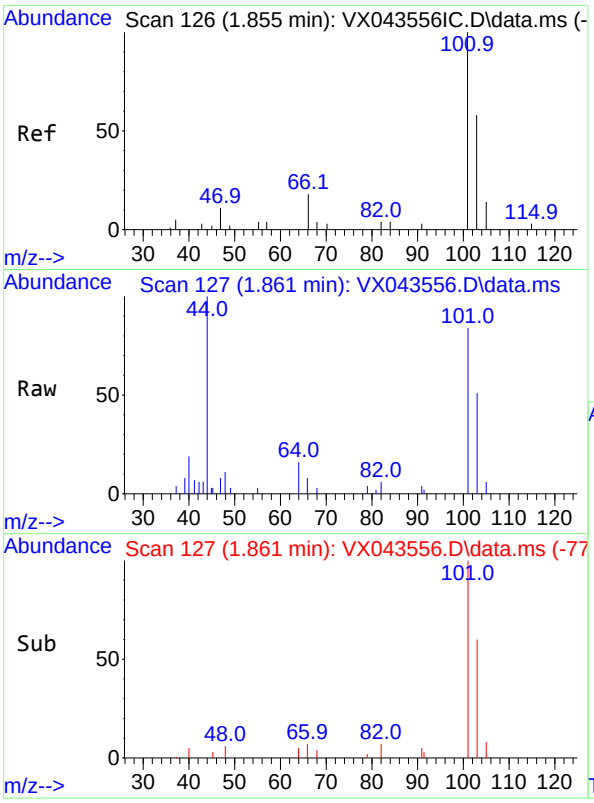


#6
Chloroethane
Concen: 1.240 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 64 Resp: 850

Ion	Ratio	Lower	Upper
64	100		
66	26.0	25.1	37.7



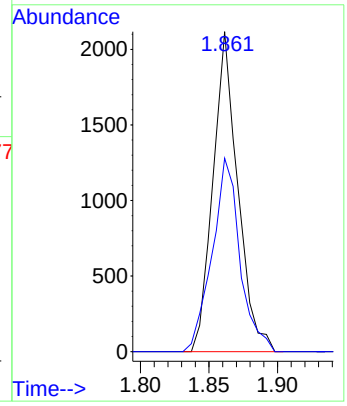


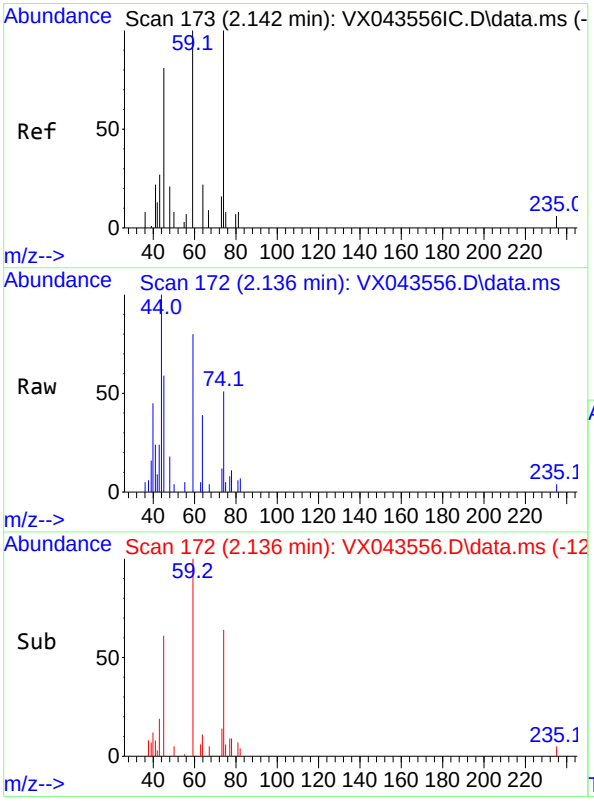
#7
Trichlorofluoromethane
Concen: 0.968 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2660

Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.3	76.9

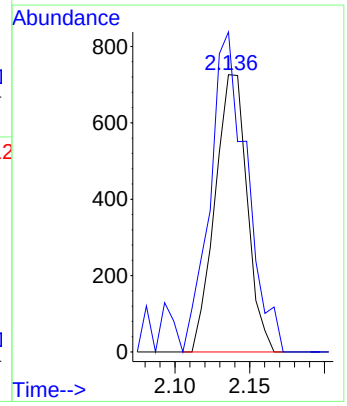


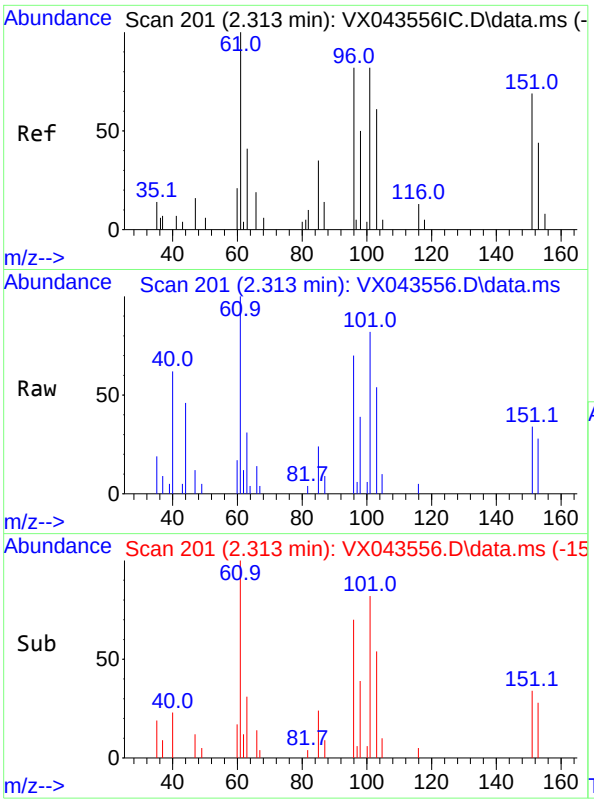


#8
Diethyl Ether
Concen: 0.905 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 74 Resp: 1086

Ion	Ratio	Lower	Upper
74	100		
45	131.6	47.5	142.5



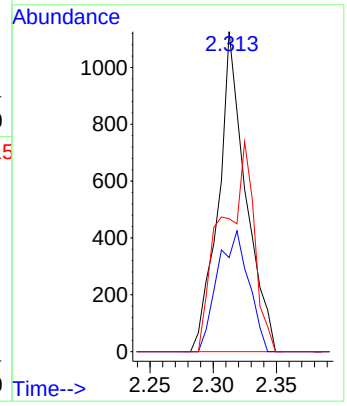


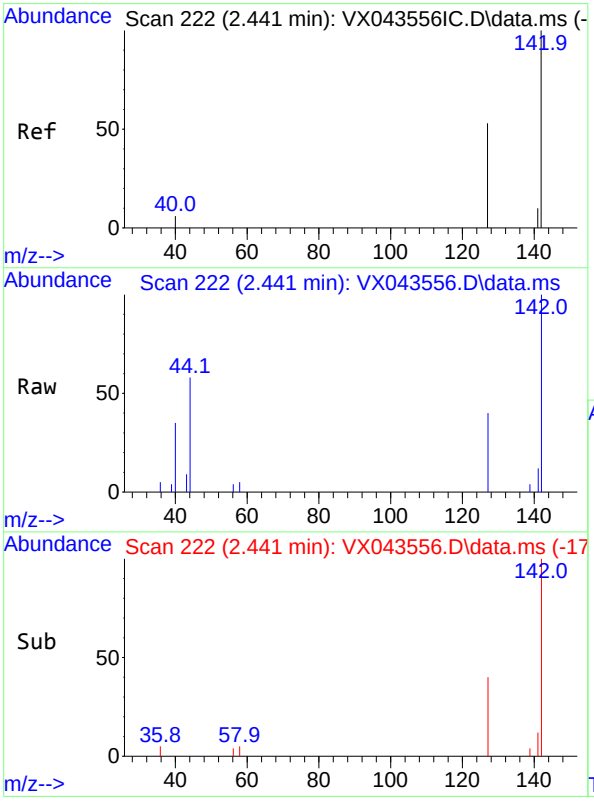
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.972 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1687

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.5	51.7
151	76.9	58.2	87.2

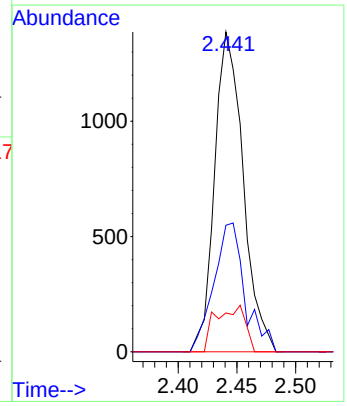


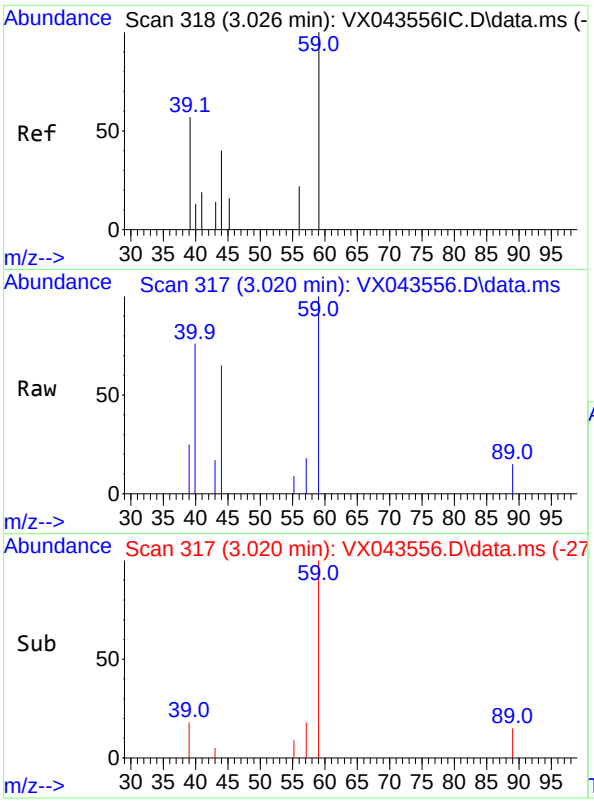


#10
Methyl Iodide
Concen: 0.975 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:142 Resp: 2342

Ion	Ratio	Lower	Upper
142	100		
127	44.0	38.2	57.4
141	14.9	11.5	17.3



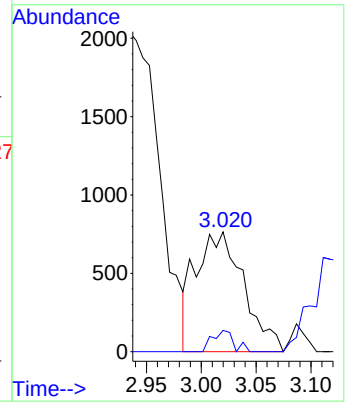


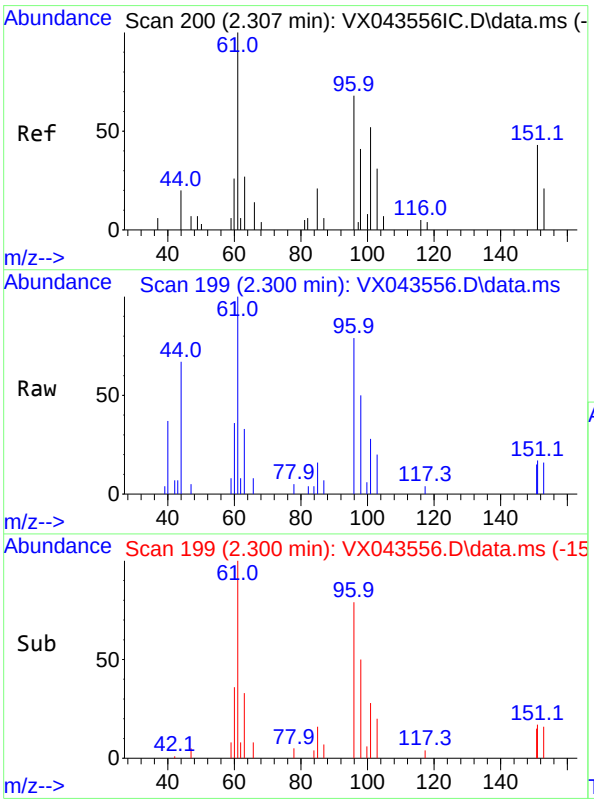
#11
Tert butyl alcohol
Concen: 4.223 ug/l
RT: 3.020 min Scan# 3
Delta R.T. -0.030 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 2313

Ion	Ratio	Lower	Upper
59	100		
57	7.9	0.0	0.0#

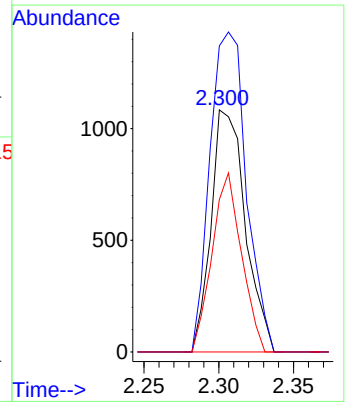


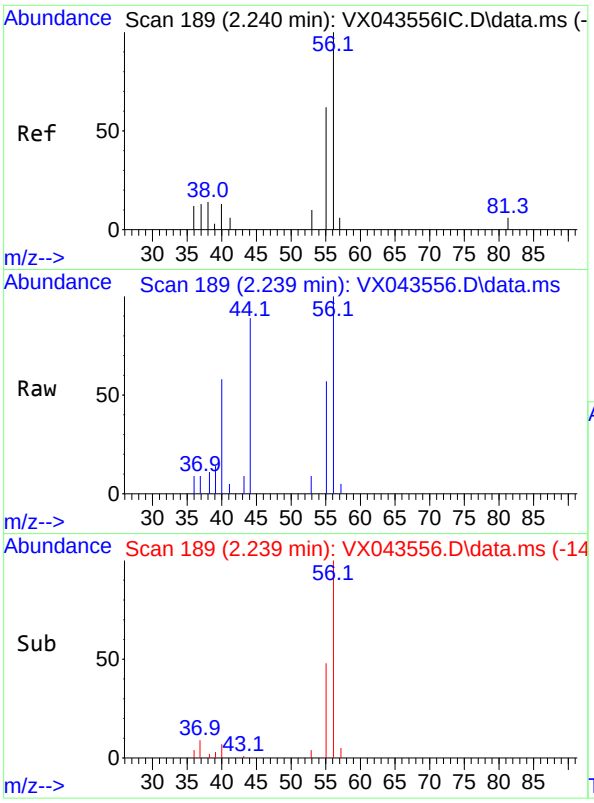


#12
1,1-Dichloroethene
Concen: 1.010 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 96 Resp: 1723

Ion	Ratio	Lower	Upper
96	100		
61	126.5	130.2	195.4#
98	63.0	51.0	76.6



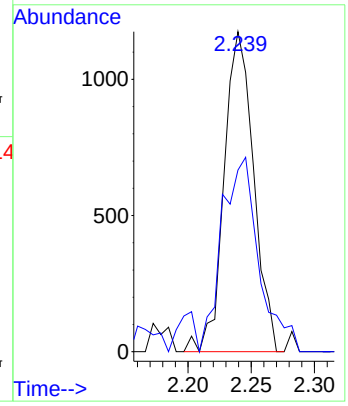


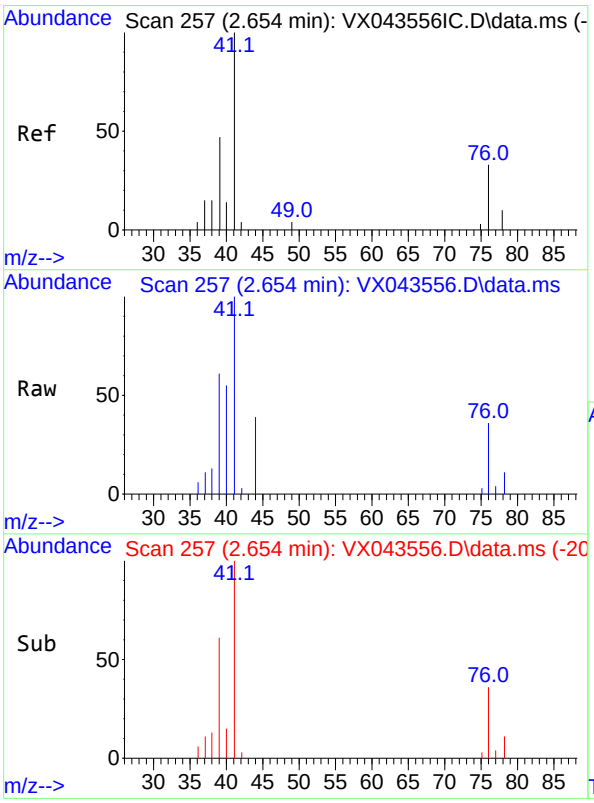
#13
Acrolein
Concen: 4.416 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1906

Ion	Ratio	Lower	Upper
56	100		
55	76.5	55.3	82.9

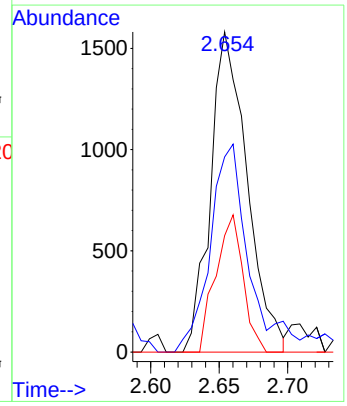


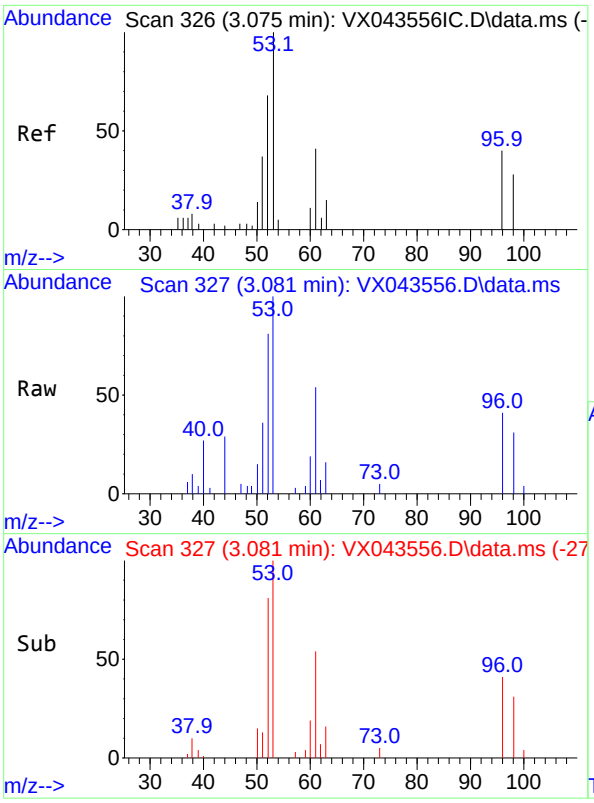


#14
Allyl chloride
Concen: 0.973 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 41 Resp: 2945

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.2	79.8
76	31.9	27.0	40.6



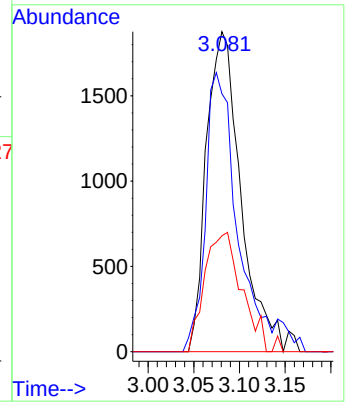


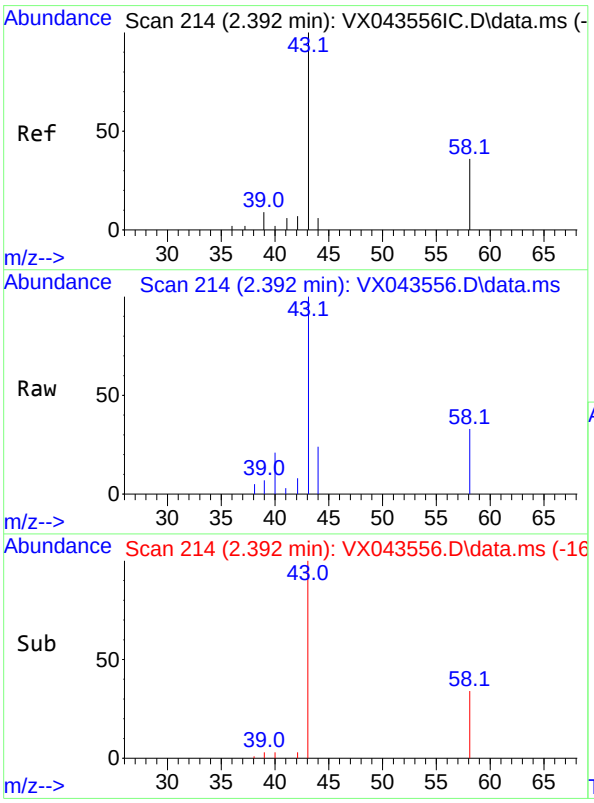
#15
Acrylonitrile
Concen: 4.029 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4889

Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.8	98.6
51	40.1	28.5	42.7

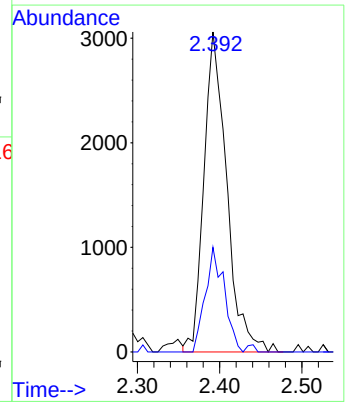


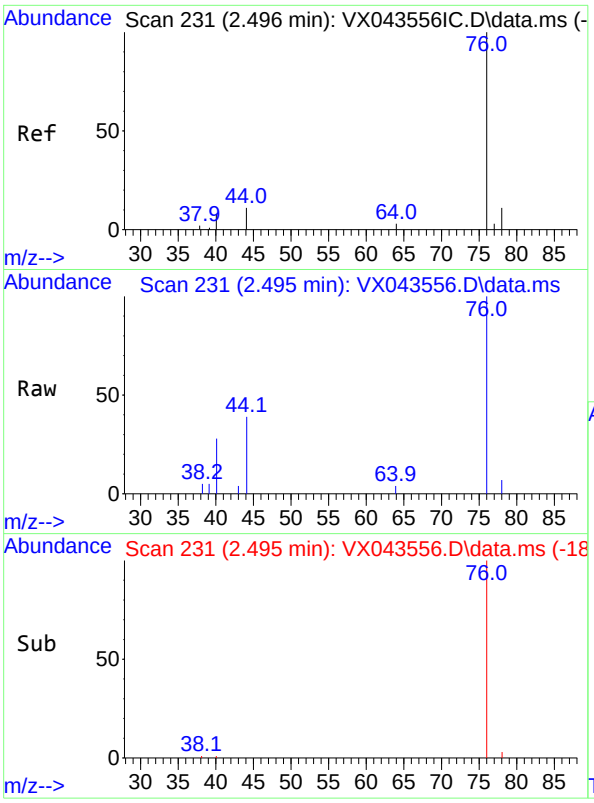


#16
Acetone
Concen: 5.386 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 5896

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.1	37.7



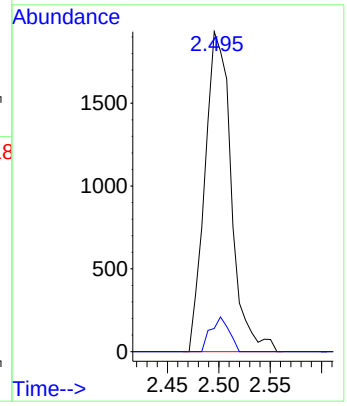


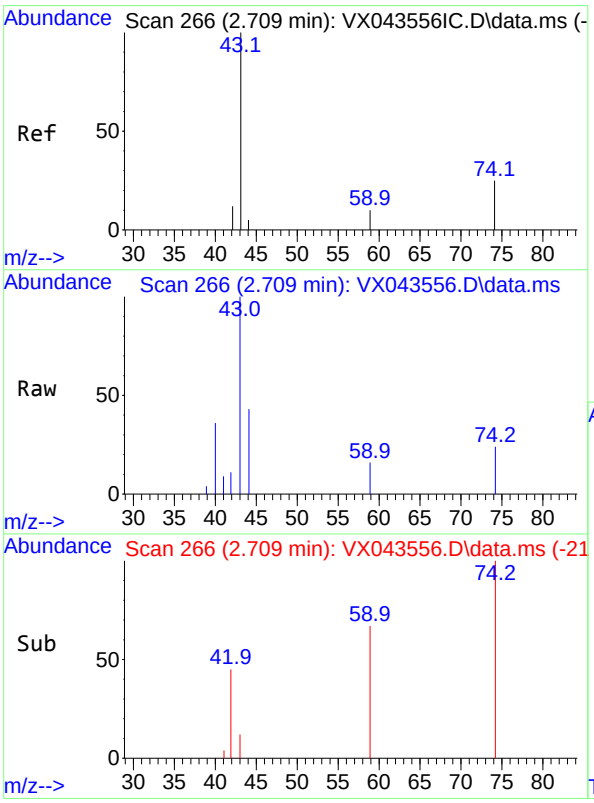
#17
Carbon Disulfide
Concen: 0.977 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3450

Ion	Ratio	Lower	Upper
76	100		
78	7.2	7.1	10.7

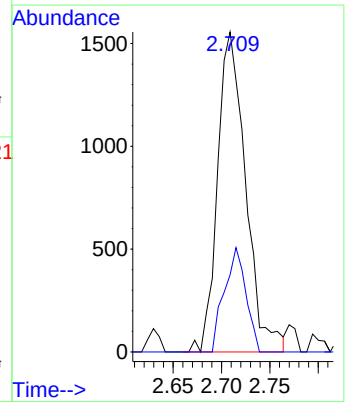


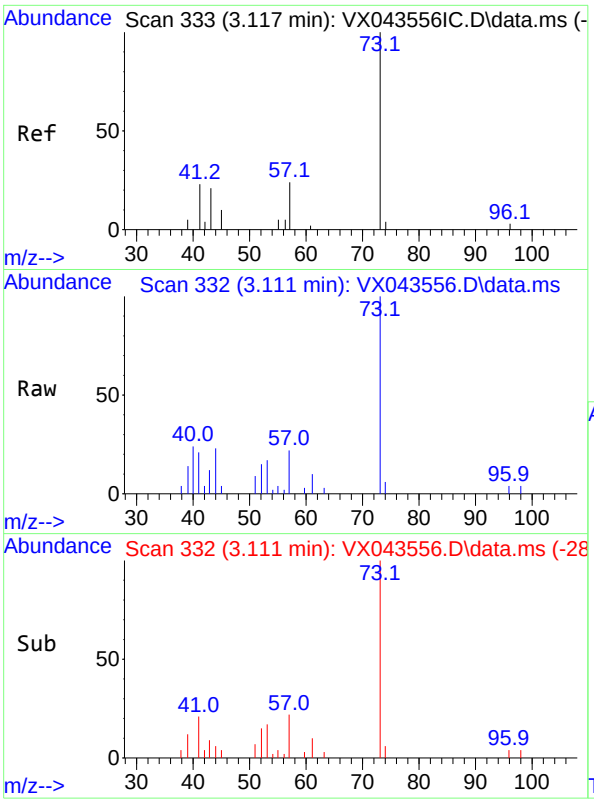


#18
Methyl Acetate
Concen: 0.954 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 3137

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.1	28.7



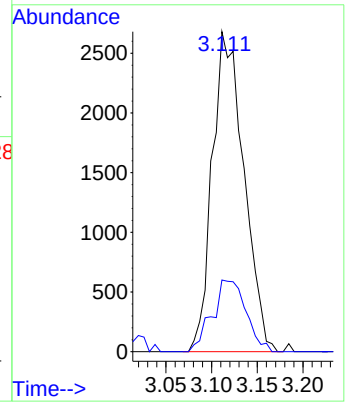


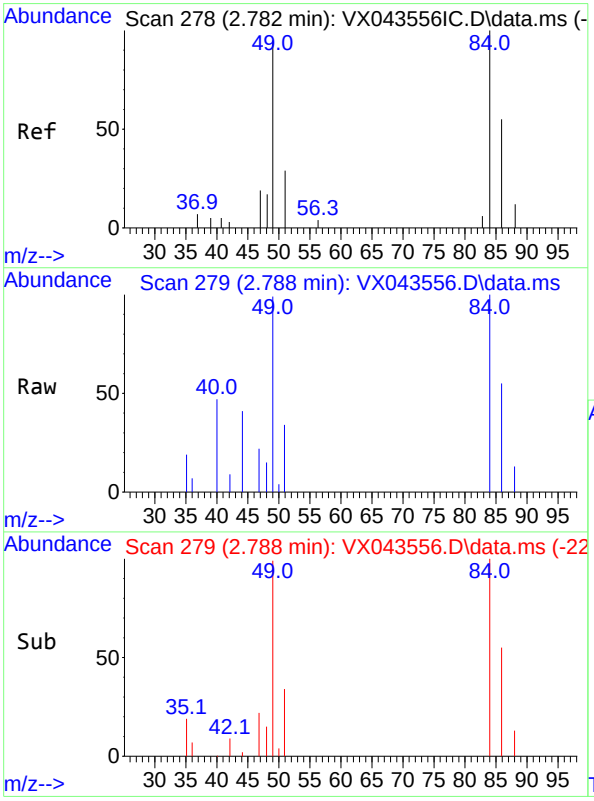
#19
Methyl tert-butyl Ether
Concen: 0.971 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 6442

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.7	26.5

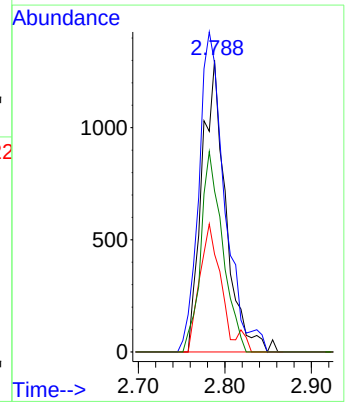


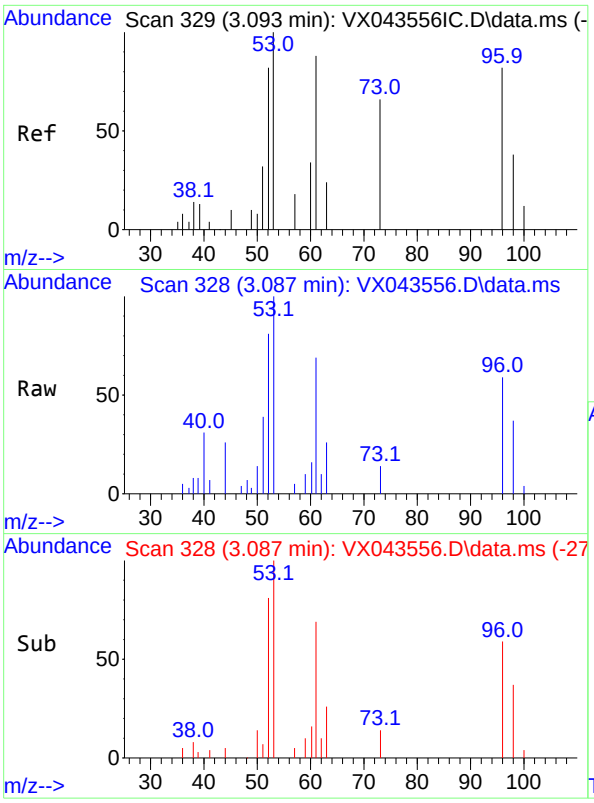


#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 84 Resp: 2497

Ion	Ratio	Lower	Upper
84	100		
49	99.0	97.0	145.6
51	33.5	29.8	44.8
86	55.2	53.1	79.7



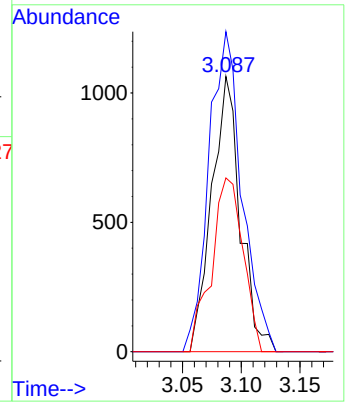


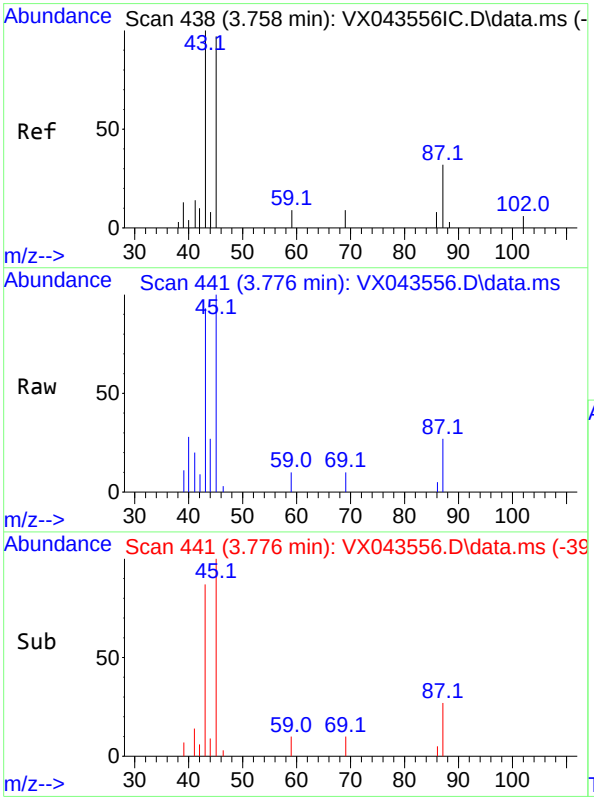
#21
trans-1,2-Dichloroethene
Concen: 0.979 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1808

Ion	Ratio	Lower	Upper
96	100		
61	116.3	107.1	160.7
98	63.2	47.7	71.5

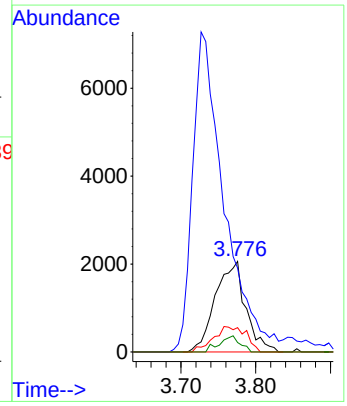


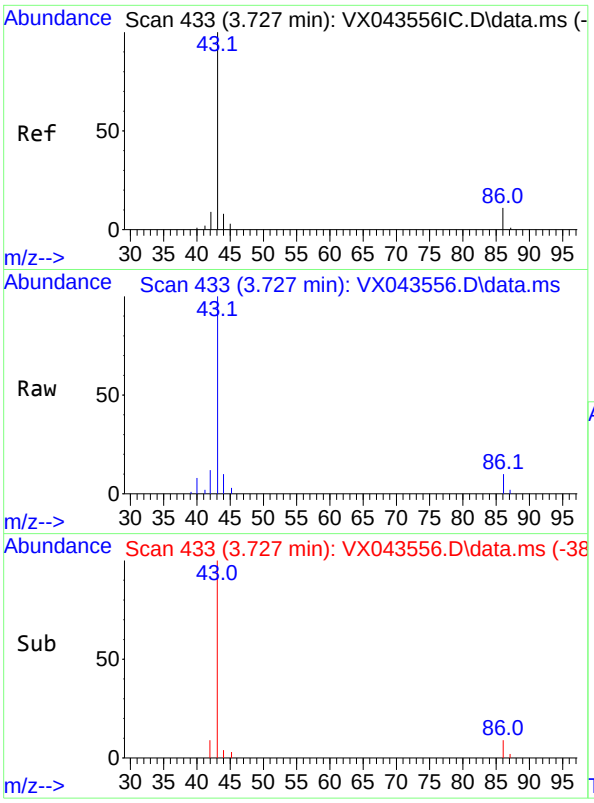


#22
Diisopropyl ether
Concen: 0.931 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 45 Resp: 5818

Ion	Ratio	Lower	Upper
45	100		
43	79.2	60.6	90.8
87	26.9	22.0	33.0
59	10.4	9.5	14.3



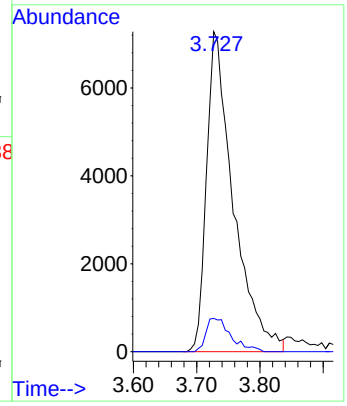


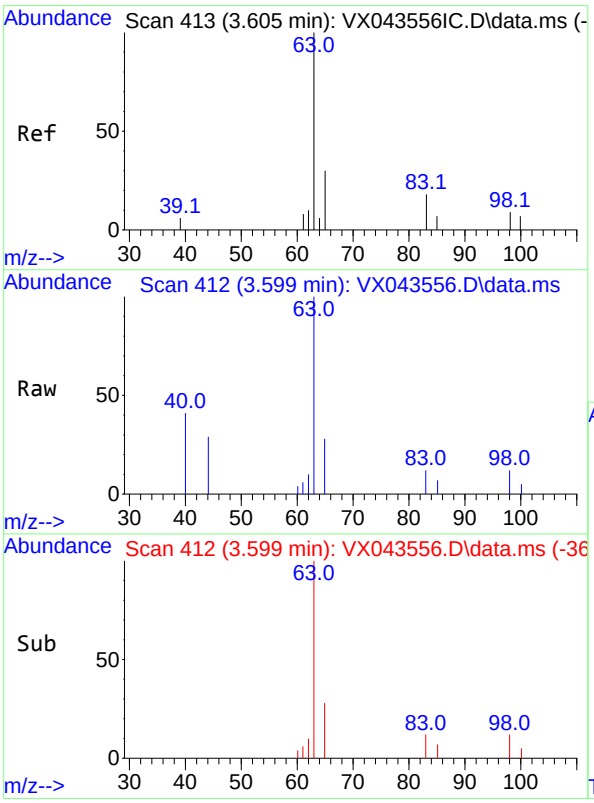
#23
Vinyl Acetate
Concen: 4.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 21436

Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.0	13.4

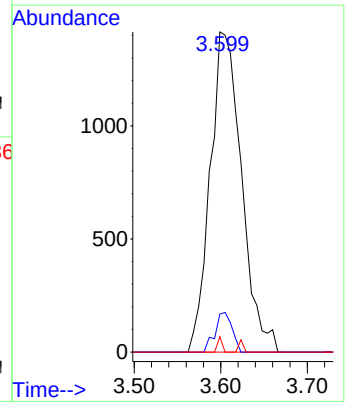


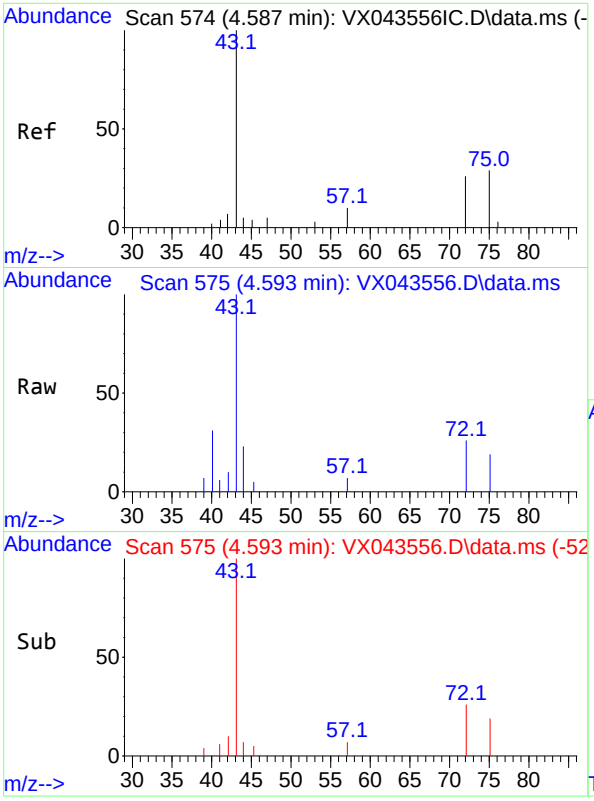


#24
1,1-Dichloroethane
Concen: 1.012 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 63 Resp: 3565

Ion	Ratio	Lower	Upper
63	100		
98	11.9	3.5	10.4#
100	4.8	2.4	7.2



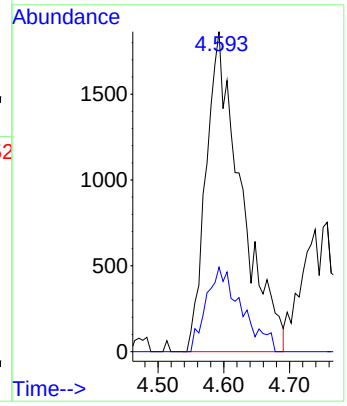


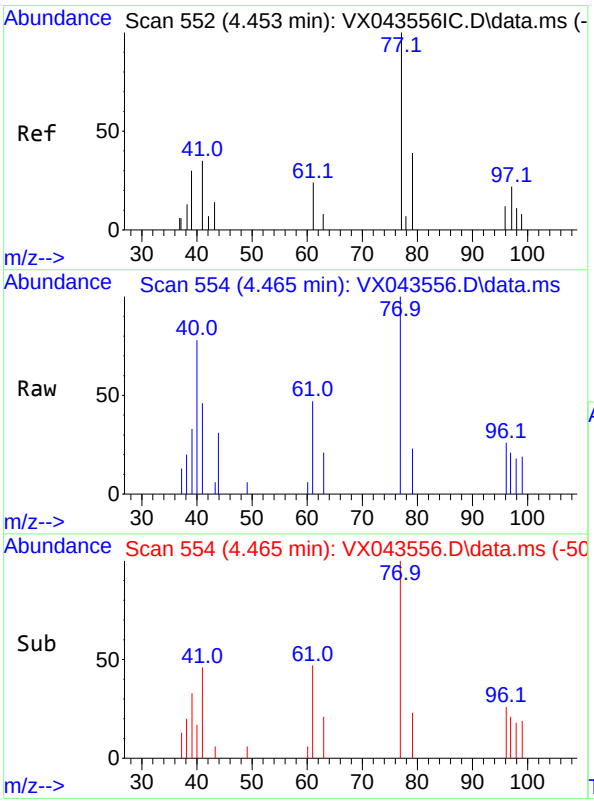
#25
2-Butanone
Concen: 4.150 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6900

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.1	31.7

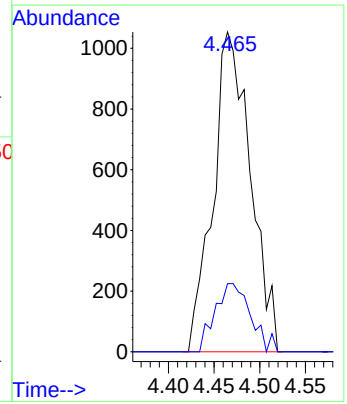


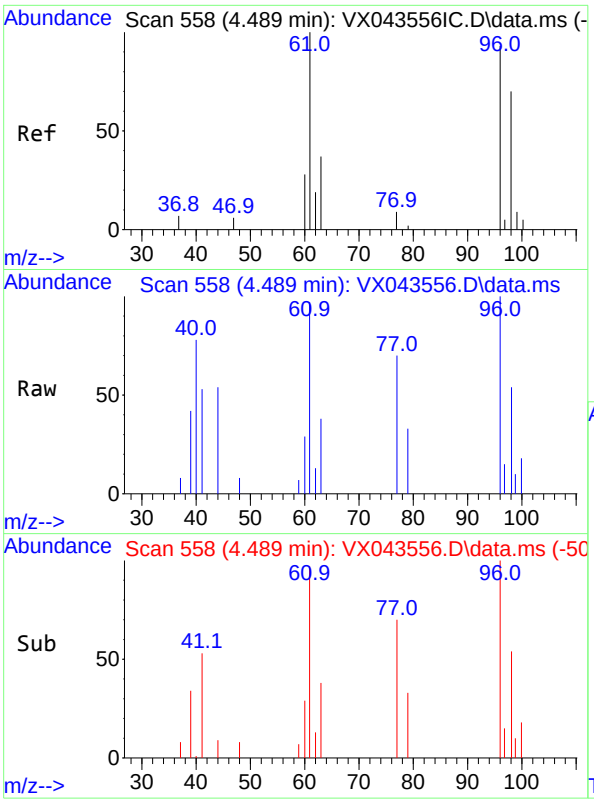


#26
2,2-Dichloropropane
Concen: 1.182 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 77 Resp: 3002

Ion	Ratio	Lower	Upper
77	100		
97	20.3	11.6	34.8



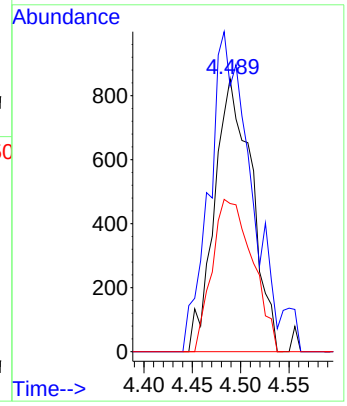


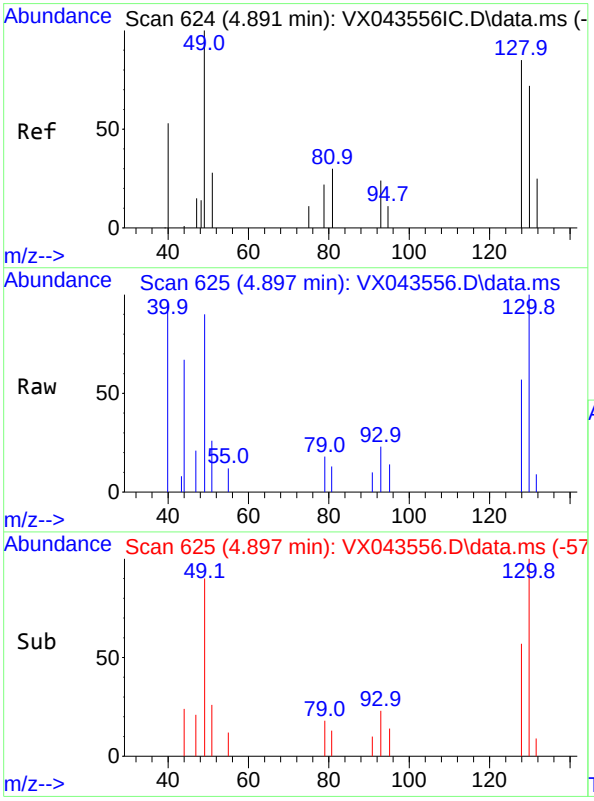
#27
cis-1,2-Dichloroethene
Concen: 0.994 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2288

Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	277.2
98	60.4	0.0	131.6

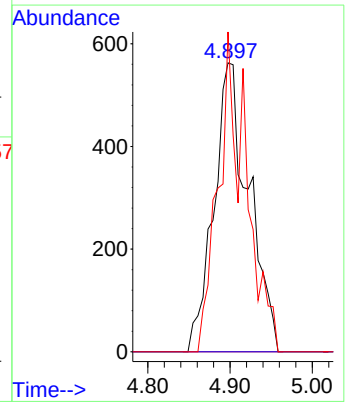


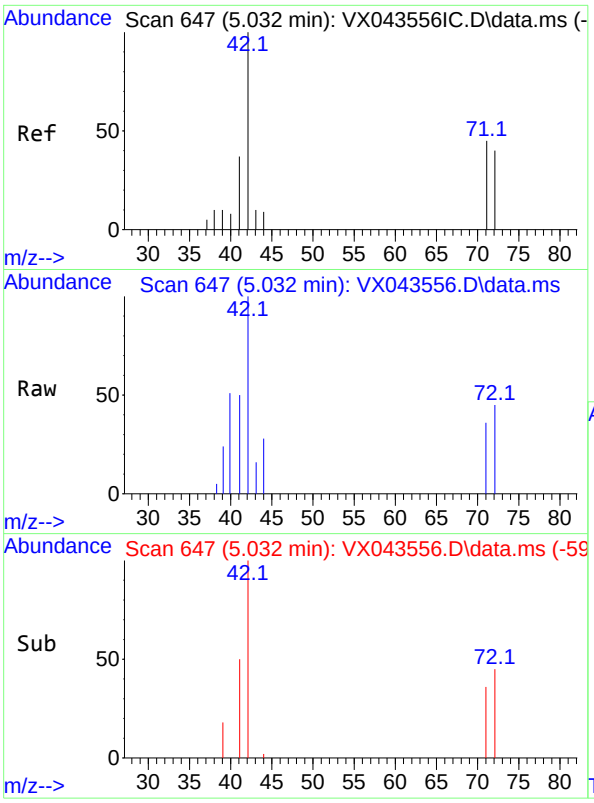


#28
Bromochloromethane
Concen: 0.950 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 49 Resp: 1656

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	55.0	67.8	101.8#



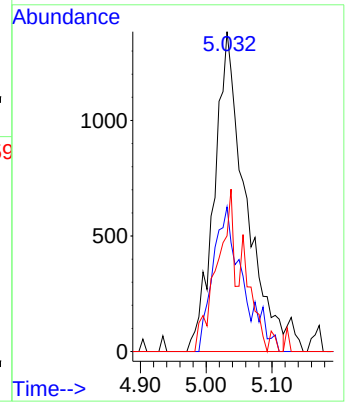


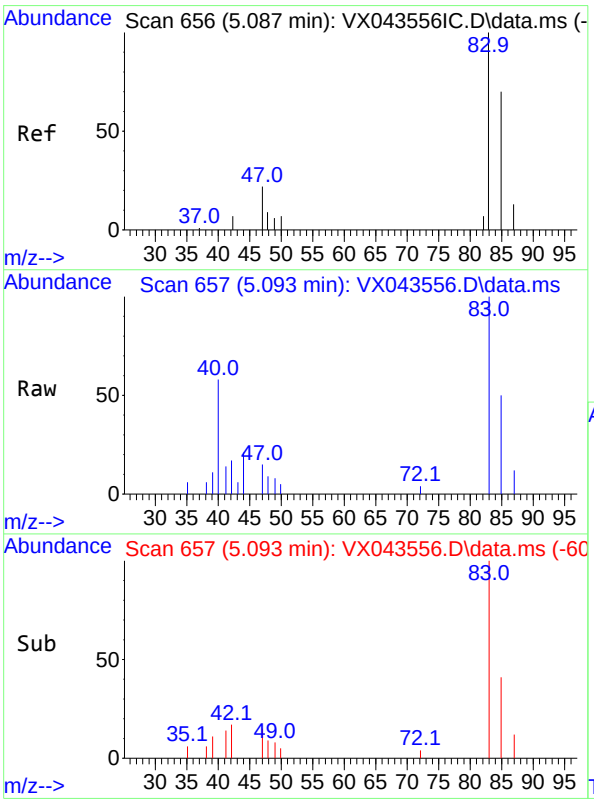
#29
Tetrahydrofuran
Concen: 4.185 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4543

Ion	Ratio	Lower	Upper
42	100		
72	37.8	36.6	55.0
71	29.8	34.2	51.4#

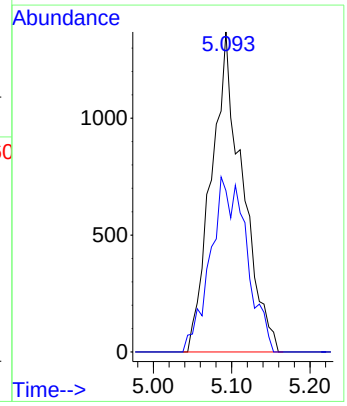


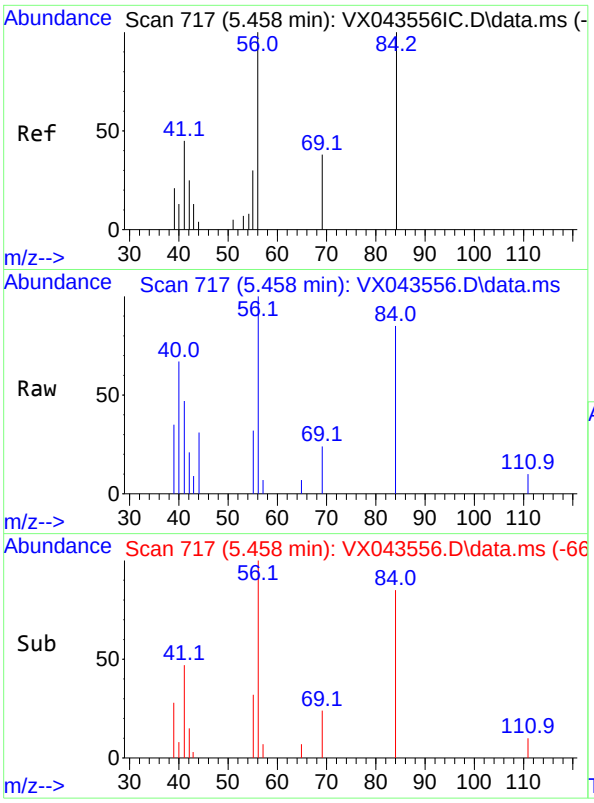


#30
Chloroform
Concen: 1.005 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 83 Resp: 3785

Ion	Ratio	Lower	Upper
83	100		
85	50.4	52.2	78.4#



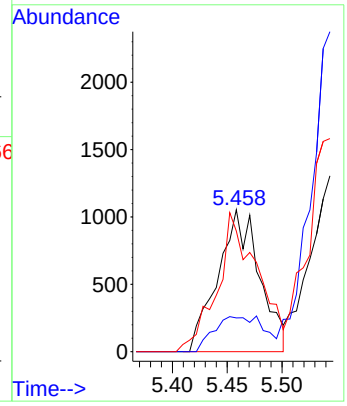


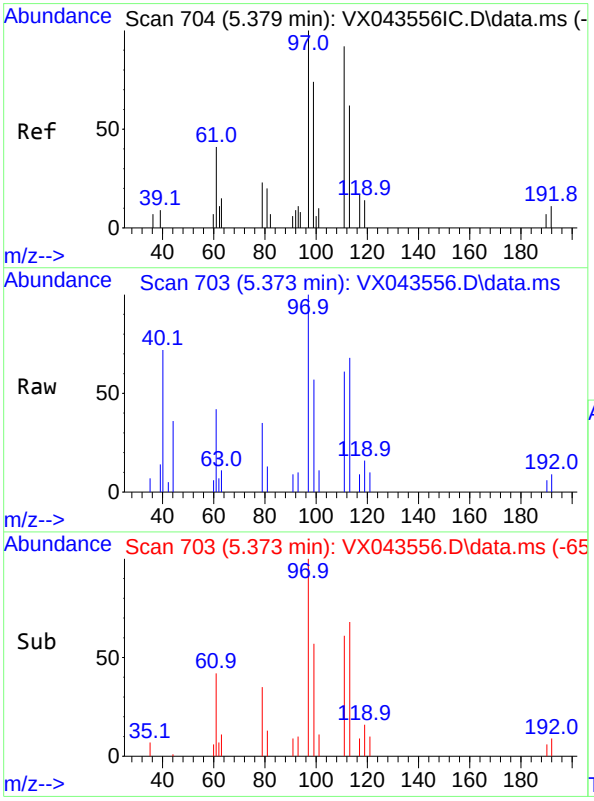
#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2793

Ion	Ratio	Lower	Upper
56	100		
69	23.8	24.9	37.3#
84	80.0	73.3	109.9

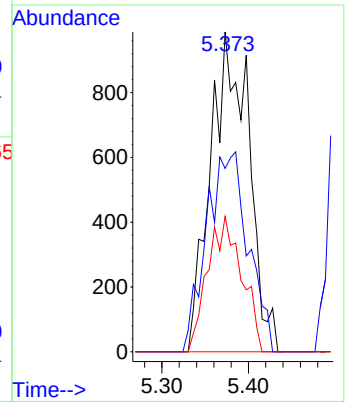


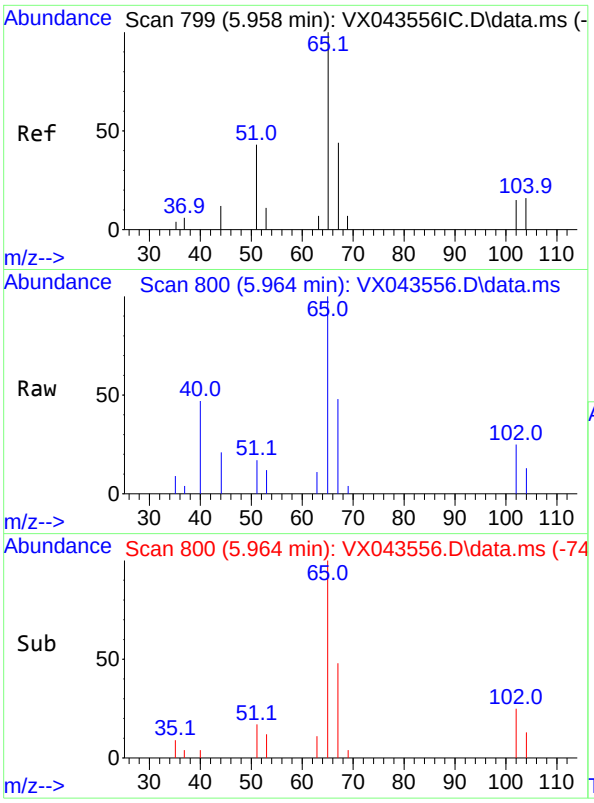


#32
1,1,1-Trichloroethane
Concen: 0.959 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 97 Resp: 3037

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	37.6	34.0	51.0



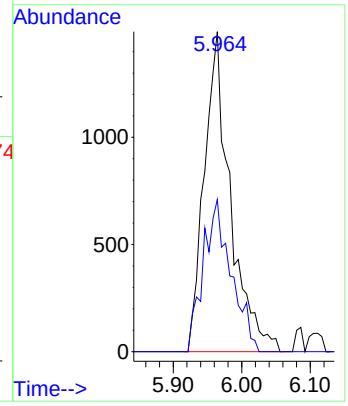


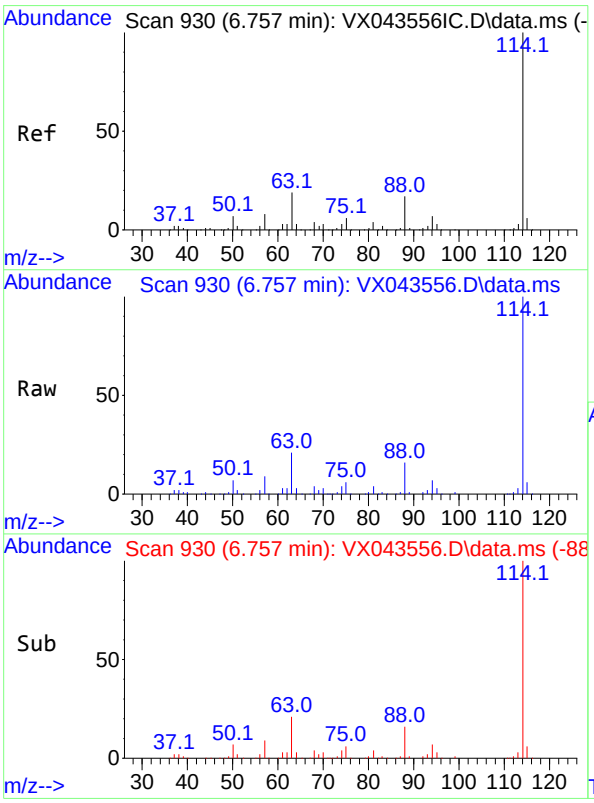
#33
1,2-Dichloroethane-d4
Concen: 1.541 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3951

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.4

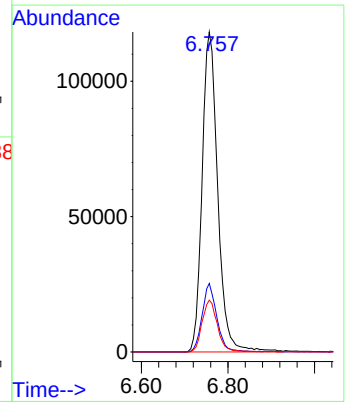


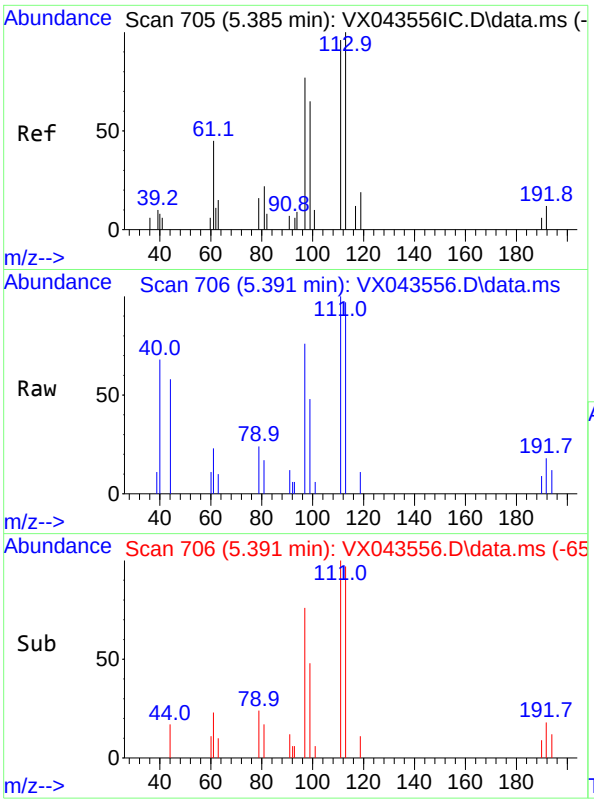


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:114 Resp: 295688

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.2
88	16.2	0.0	34.0



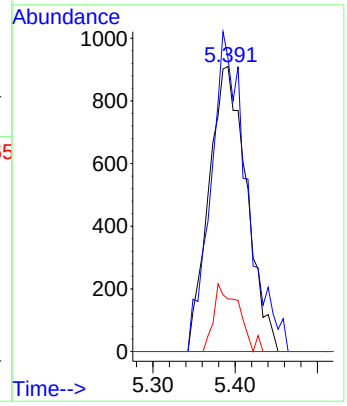


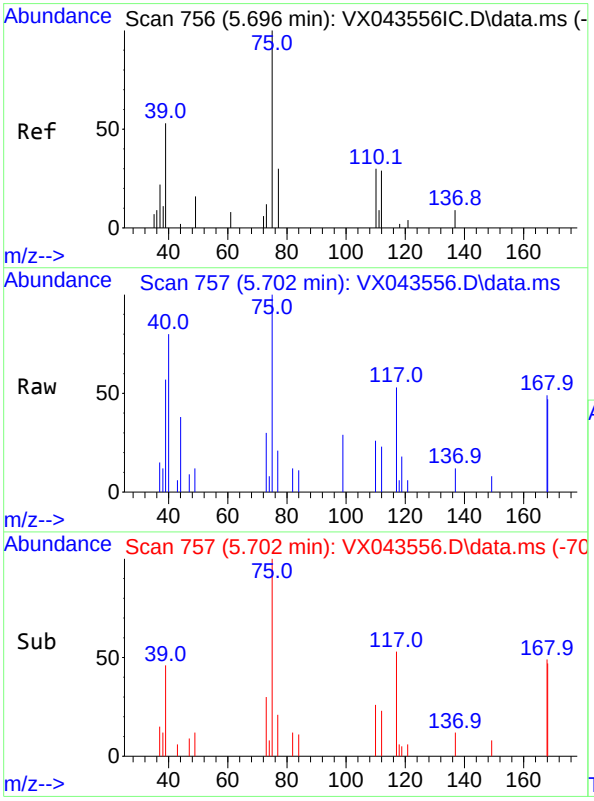
#35
Dibromofluoromethane
Concen: 1.471 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2897

Ion	Ratio	Lower	Upper
113	100		
111	106.5	81.4	122.0
192	15.6	14.1	21.1

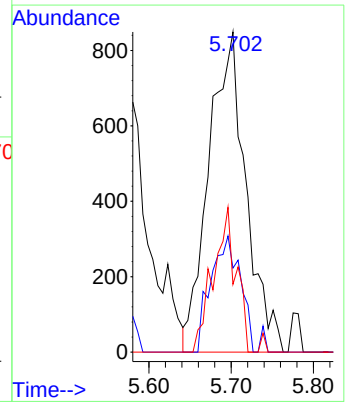


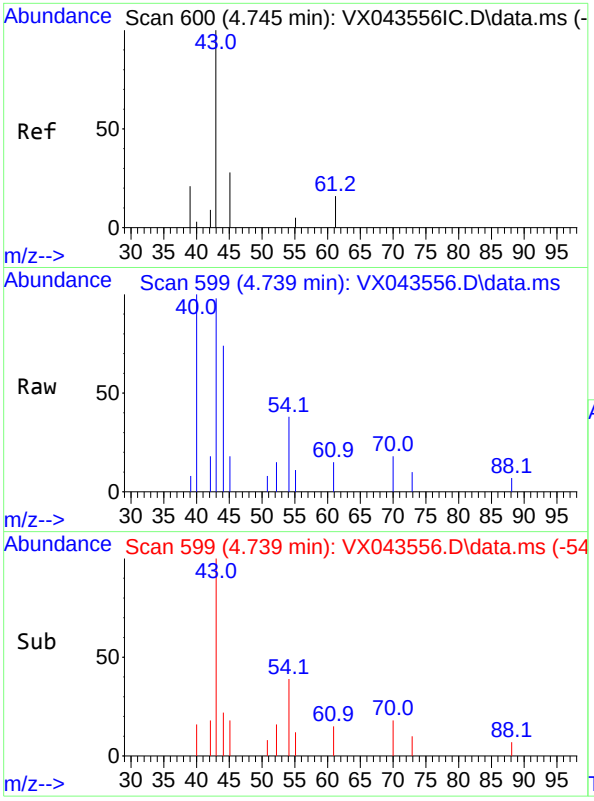


#36
1,1-Dichloropropene
Concen: 1.146 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 2670

Ion	Ratio	Lower	Upper
75	100		
110	28.7	17.9	53.7
77	27.9	25.0	37.4



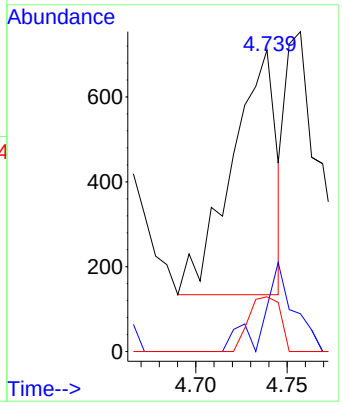


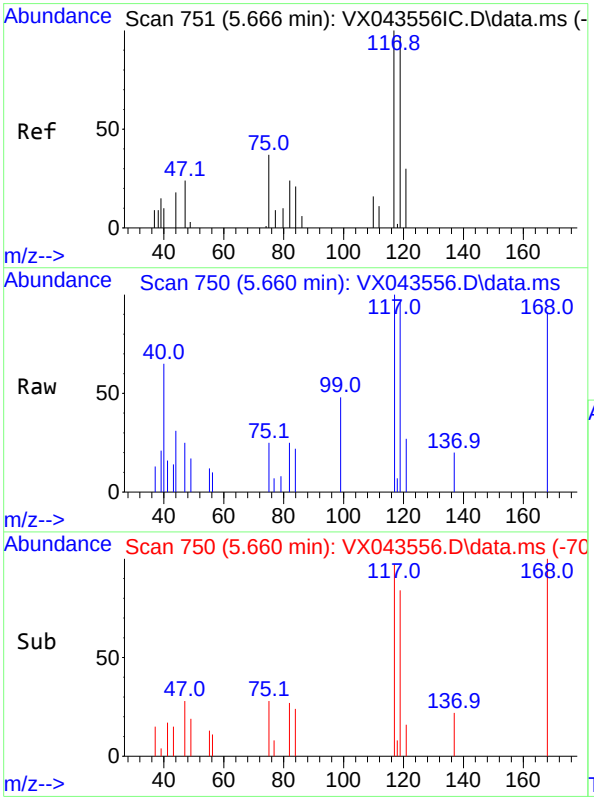
#37
Ethyl Acetate
Concen: 0.308 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 978

Ion	Ratio	Lower	Upper
43	100		
61	25.1	11.0	16.6#
70	15.8	8.9	13.3#

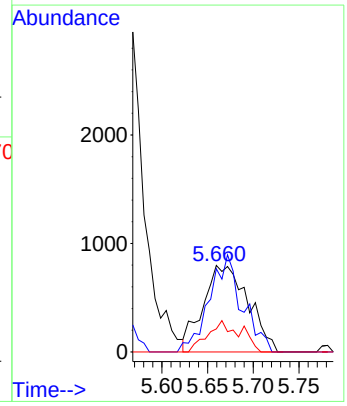


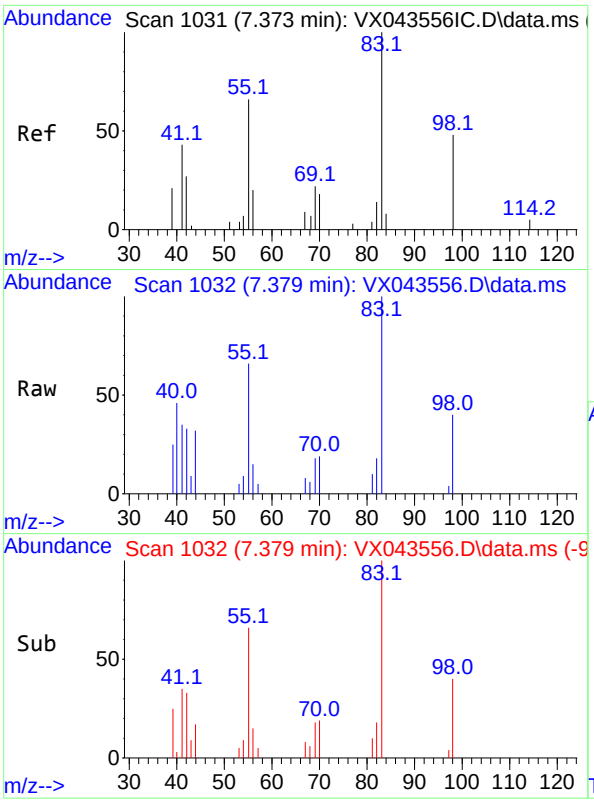


#38
Carbon Tetrachloride
Concen: 1.031 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:117 Resp: 2731

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
121	26.6	24.7	37.1



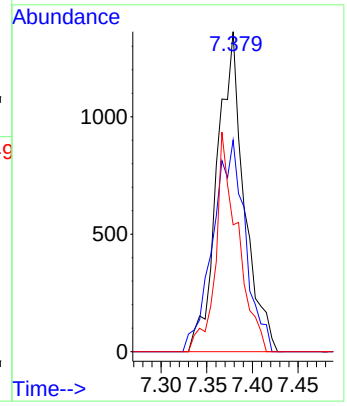


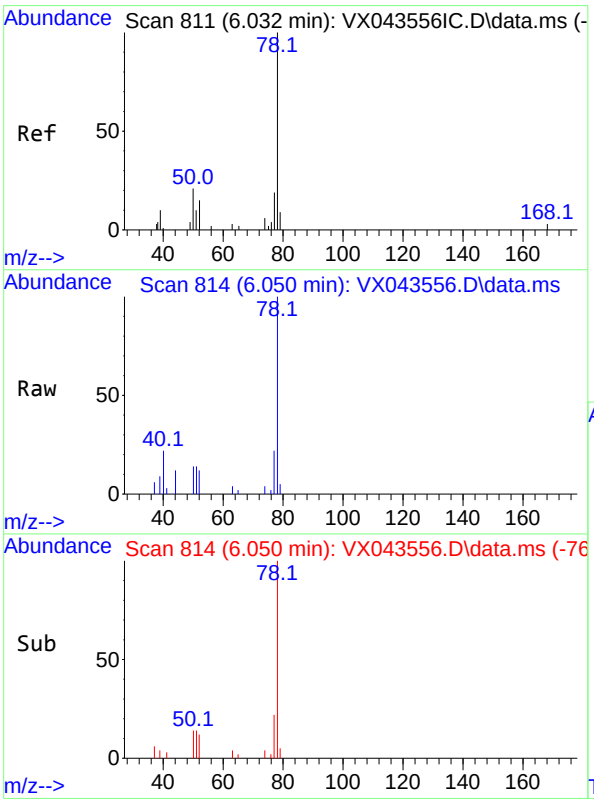
#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2811

Ion	Ratio	Lower	Upper
83	100		
55	66.1	59.9	89.9
98	39.6	41.3	61.9#

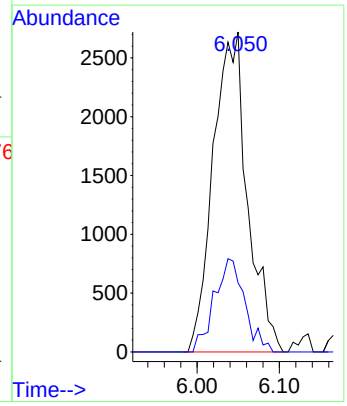


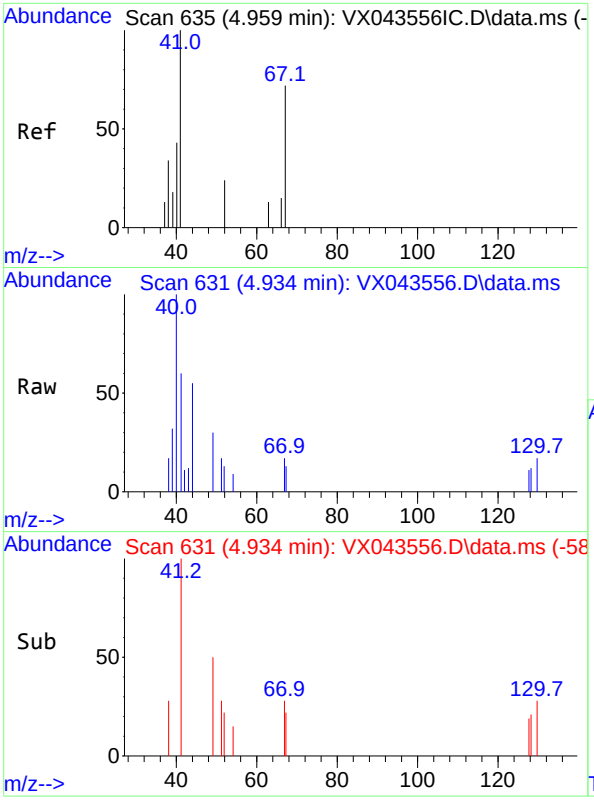


#40
Benzene
Concen: 1.014 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.018 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 78 Resp: 7896

Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6



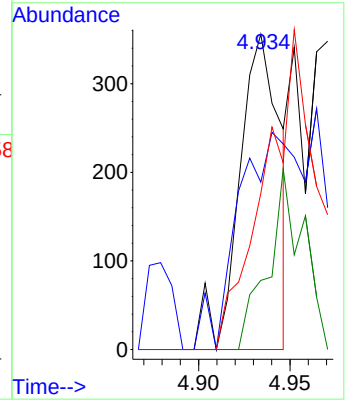


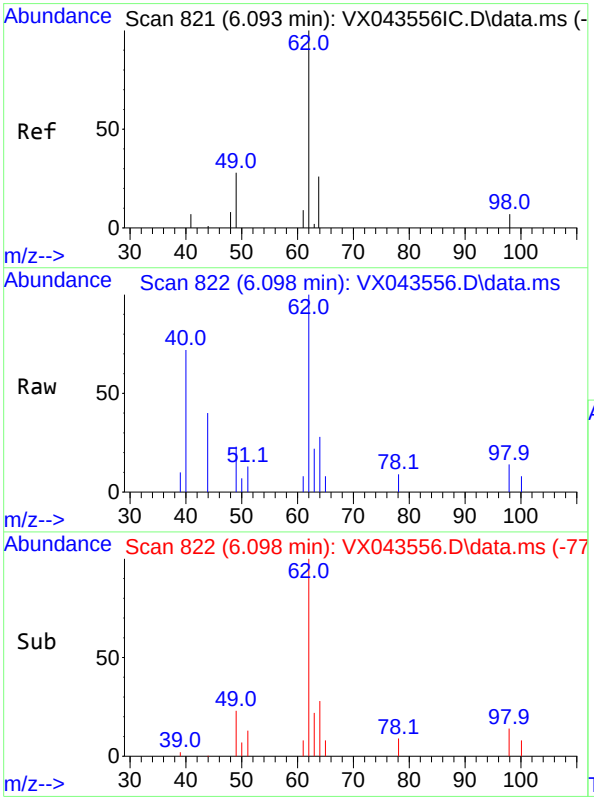
#41
Methacrylonitrile
Concen: 0.346 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 553

Ion	Ratio	Lower	Upper
41	100		
39	107.4	43.5	65.3#
67	122.1	58.3	87.5#
52	49.2	24.6	37.0#

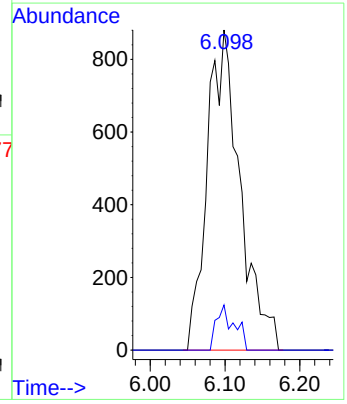


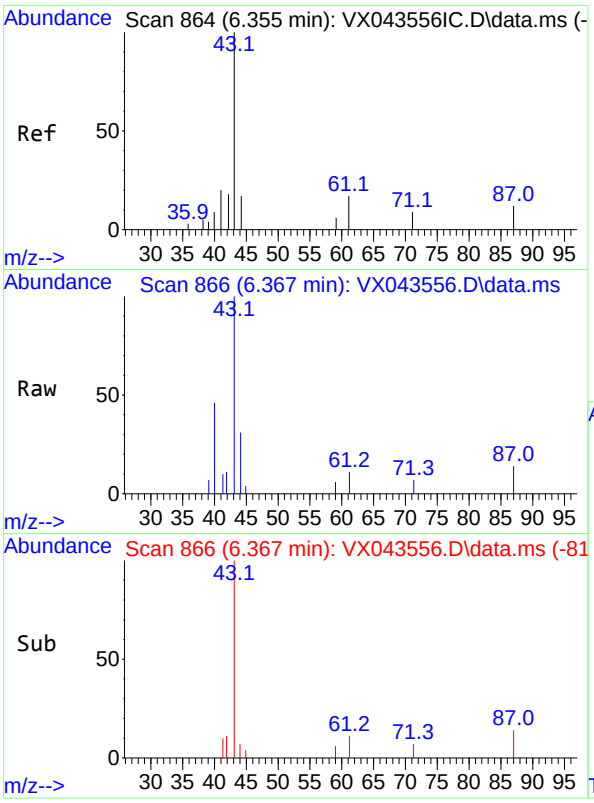


#42
1,2-Dichloroethane
Concen: 0.939 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 62 Resp: 2692

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.8



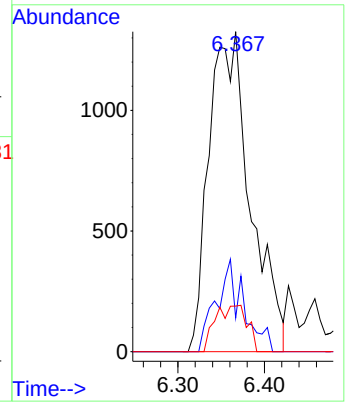


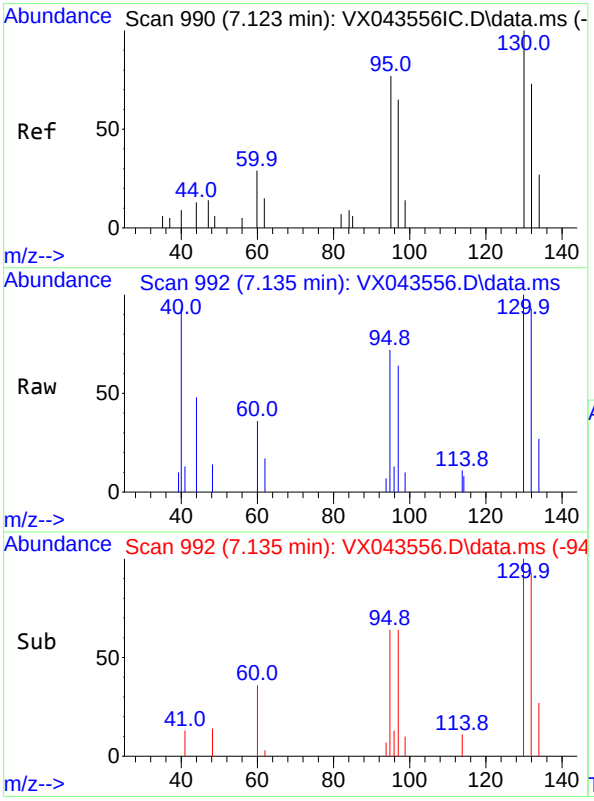
#43
Isopropyl Acetate
Concen: 0.874 ug/l
RT: 6.367 min Scan# 8
Delta R.T. 0.025 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4398

Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.2	24.4
87	11.1	11.0	16.6

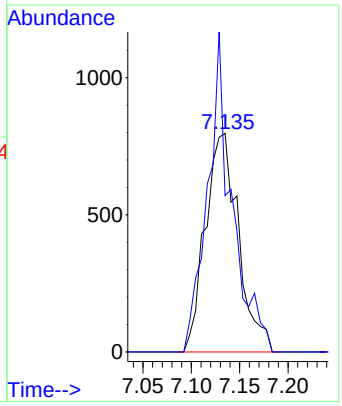


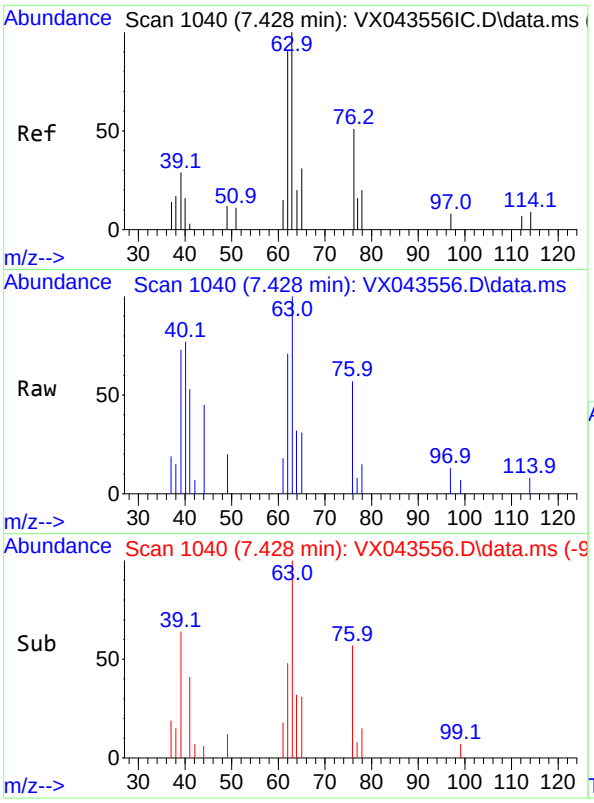


#44
Trichloroethene
Concen: 1.028 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:130 Resp: 1898

Ion	Ratio	Lower	Upper
130	100		
95	71.5	0.0	202.6



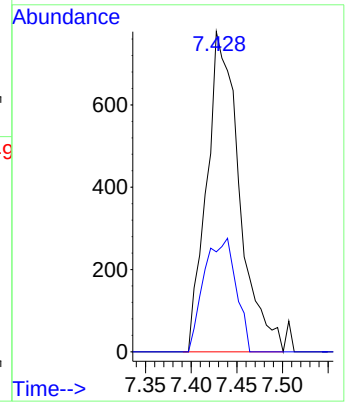


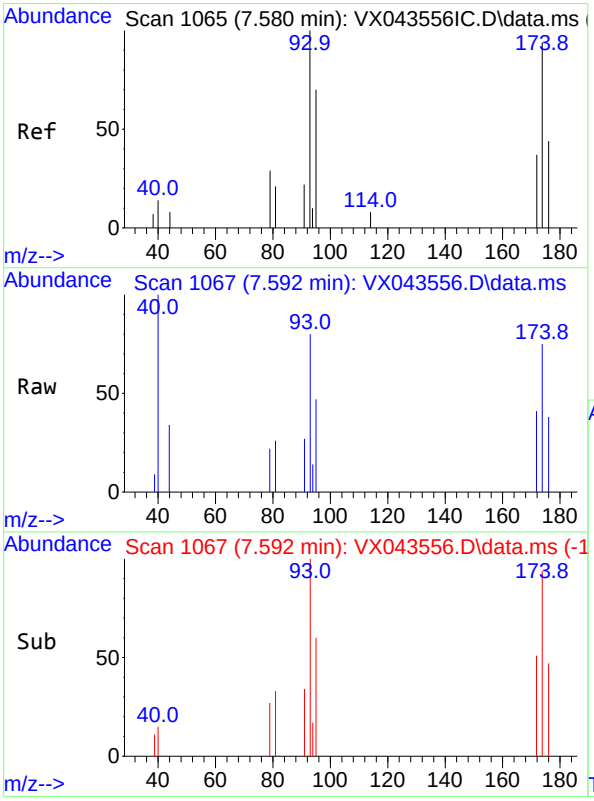
#45
1,2-Dichloropropane
Concen: 1.017 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1935

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.5	36.7

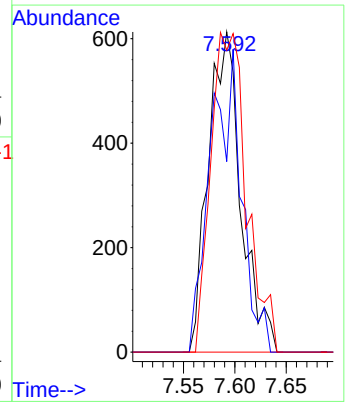


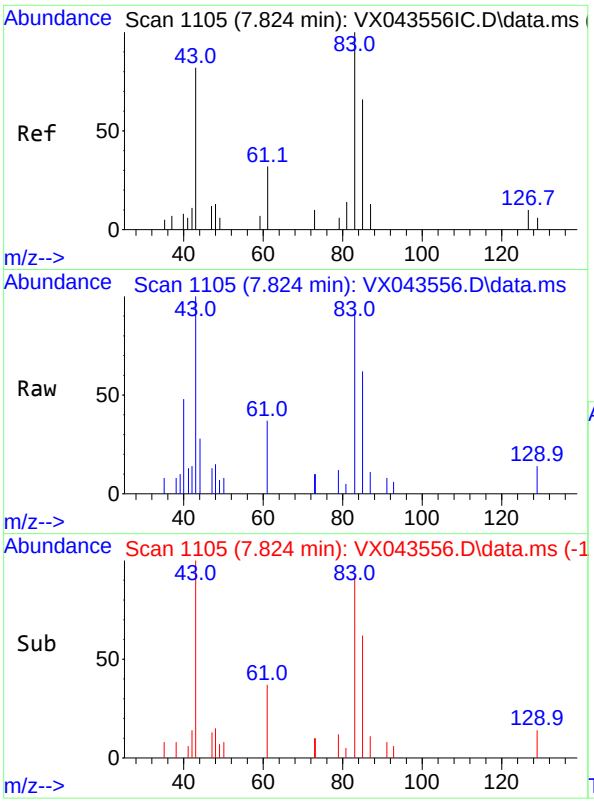


#46
Dibromomethane
Concen: 0.931 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 93 Resp: 1360

Ion	Ratio	Lower	Upper
93	100		
95	89.6	66.4	99.6
174	109.0	75.0	112.4



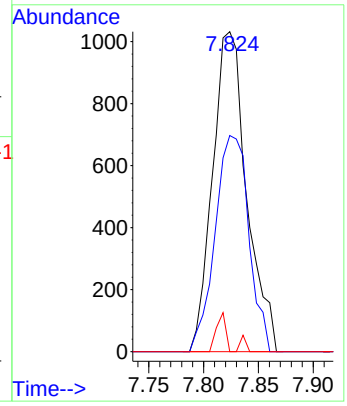


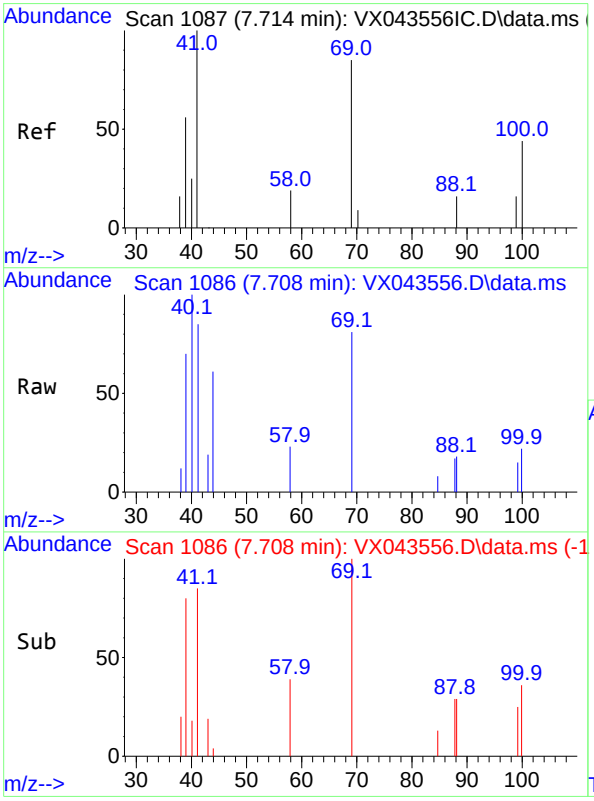
#47
Bromodichloromethane
Concen: 0.862 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2234

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.2	78.4
127	0.0	7.1	10.7#

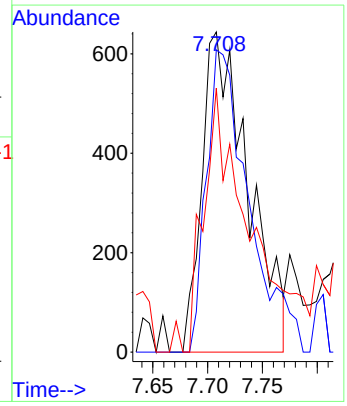


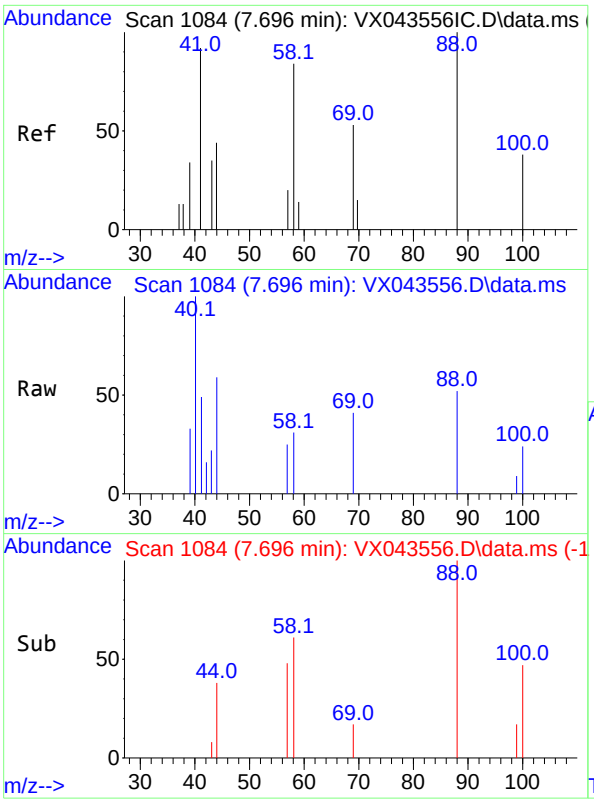


#48
Methyl methacrylate
Concen: 0.804 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 41 Resp: 1889

Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	84.1	46.3	69.5#



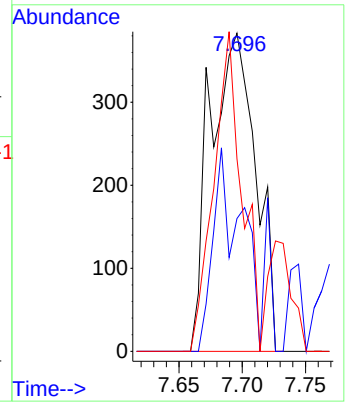


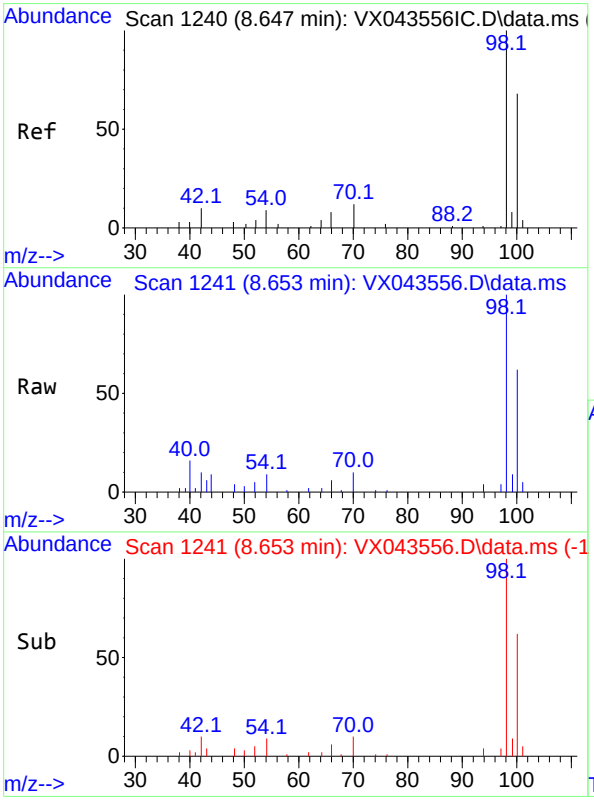
#49
1,4-Dioxane
Concen: 15.892 ug/l
RT: 7.696 min Scan# 1
Delta R.T. 0.025 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 959

Ion	Ratio	Lower	Upper
88	100		
43	39.5	25.3	37.9#
58	62.0	53.9	80.9

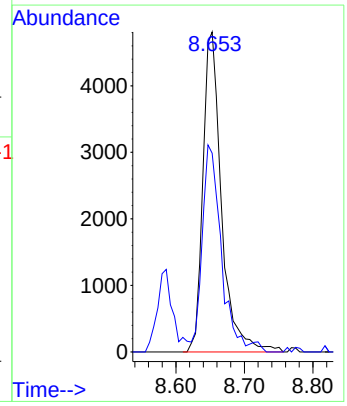


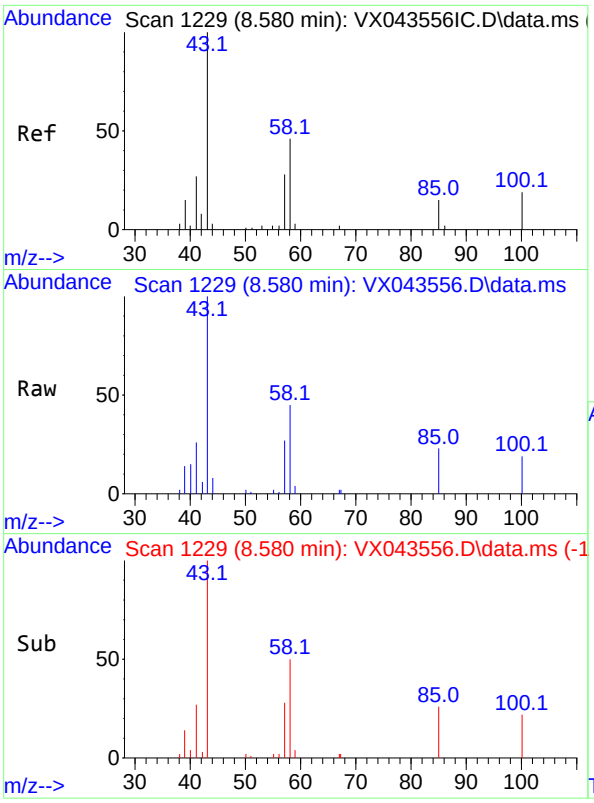


#50
Toluene-d8
Concen: 1.328 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 98 Resp: 9069

Ion	Ratio	Lower	Upper
98	100		
100	60.6	53.4	80.2



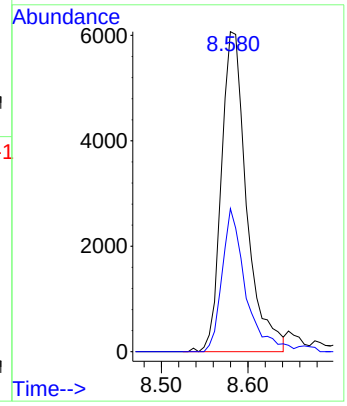


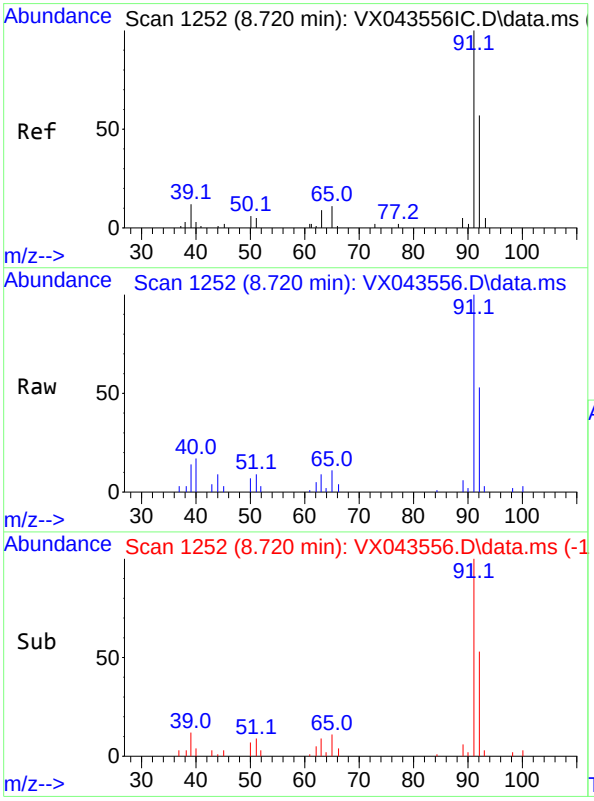
#51
4-Methyl-2-Pentanone
Concen: 3.855 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12287

Ion	Ratio	Lower	Upper
43	100		
58	41.6	31.7	47.5

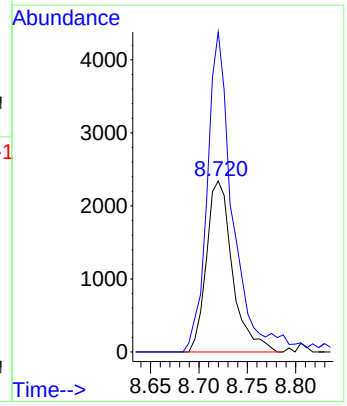


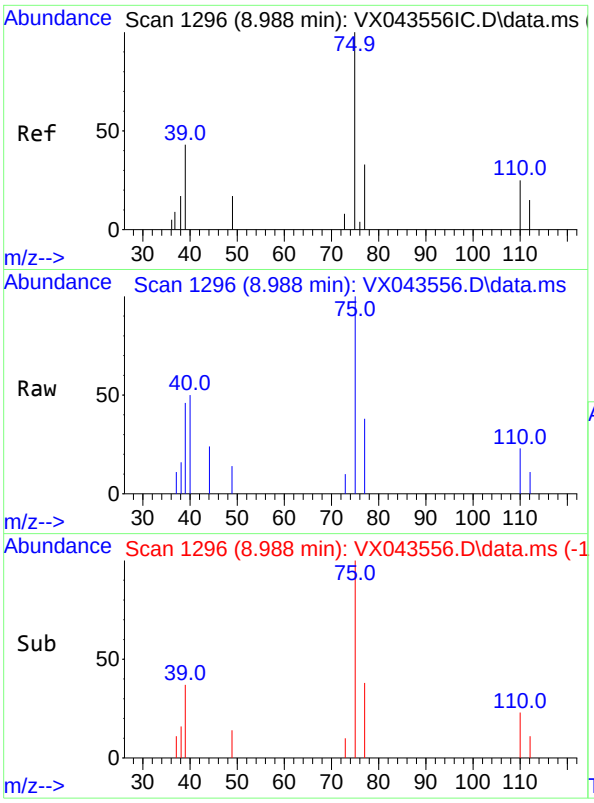


#52
Toluene
Concen: 0.915 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 92 Resp: 4396

Ion	Ratio	Lower	Upper
92	100		
91	175.3	135.7	203.5



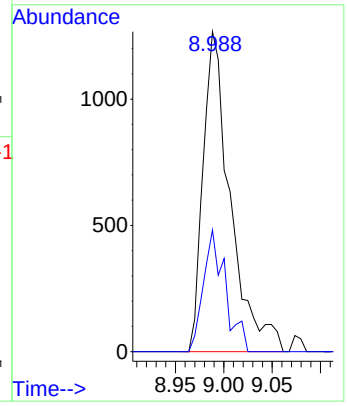


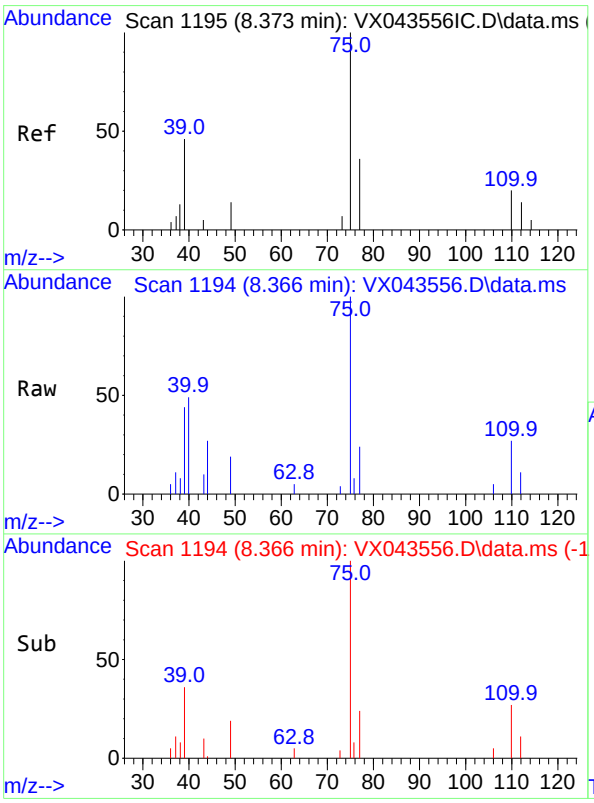
#53
t-1,3-Dichloropropene
Concen: 0.948 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2487

Ion	Ratio	Lower	Upper
75	100		
77	38.0	26.0	39.0

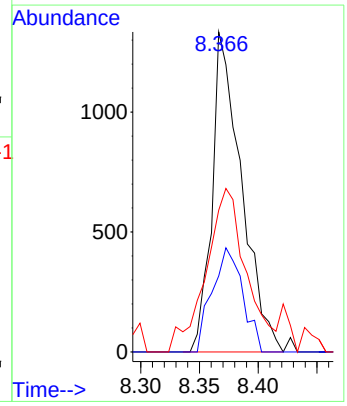


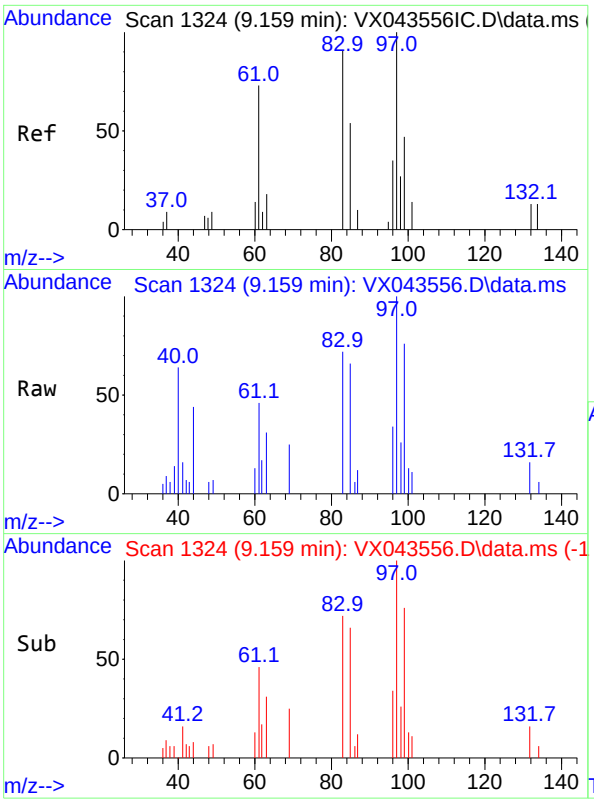


#54
cis-1,3-Dichloropropene
Concen: 0.807 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 2324

Ion	Ratio	Lower	Upper
75	100		
77	23.8	24.8	37.2#
39	38.0	37.7	56.5



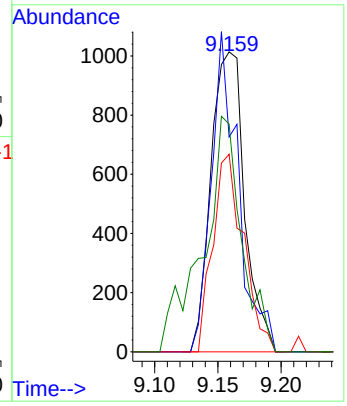


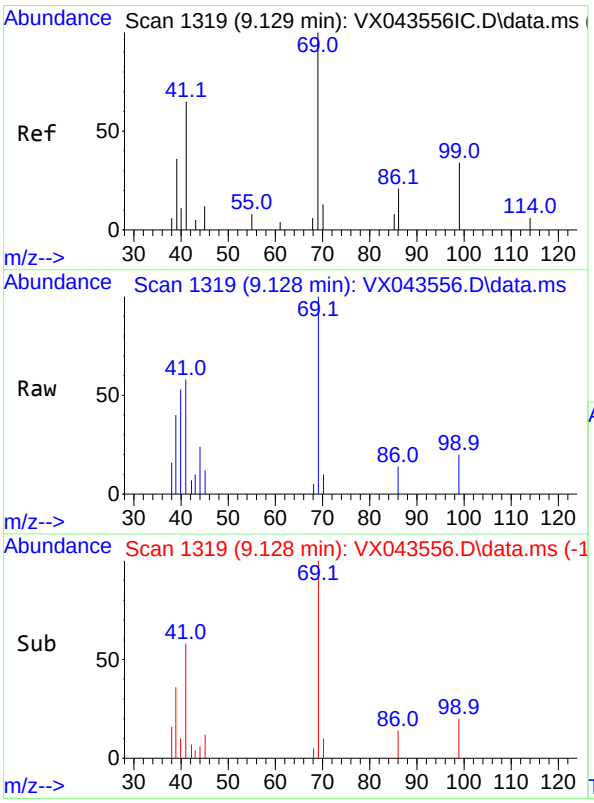
#55
1,1,2-Trichloroethane
Concen: 0.927 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1879

Ion	Ratio	Lower	Upper
97	100		
83	71.6	67.3	100.9
85	65.9	43.6	65.4#
99	75.9	50.6	75.8#

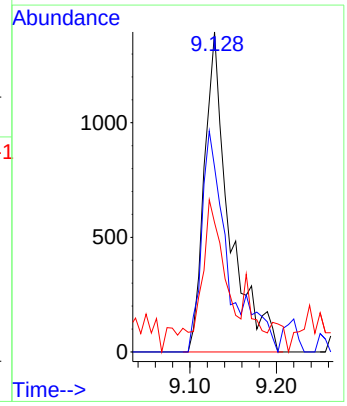


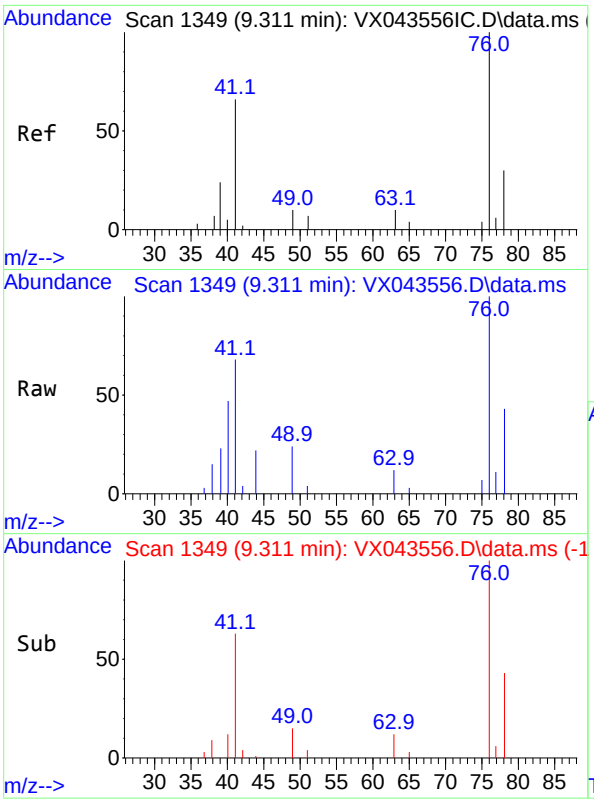


#56
Ethyl methacrylate
Concen: 0.855 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 69 Resp: 2799

Ion	Ratio	Lower	Upper
69	100		
41	61.0	53.8	80.8
39	42.5	29.9	44.9



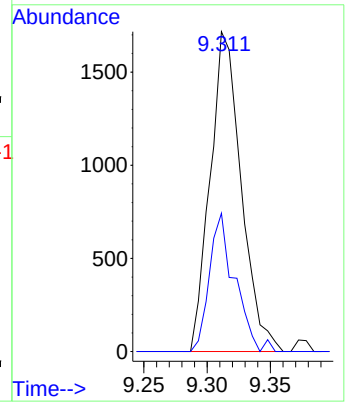


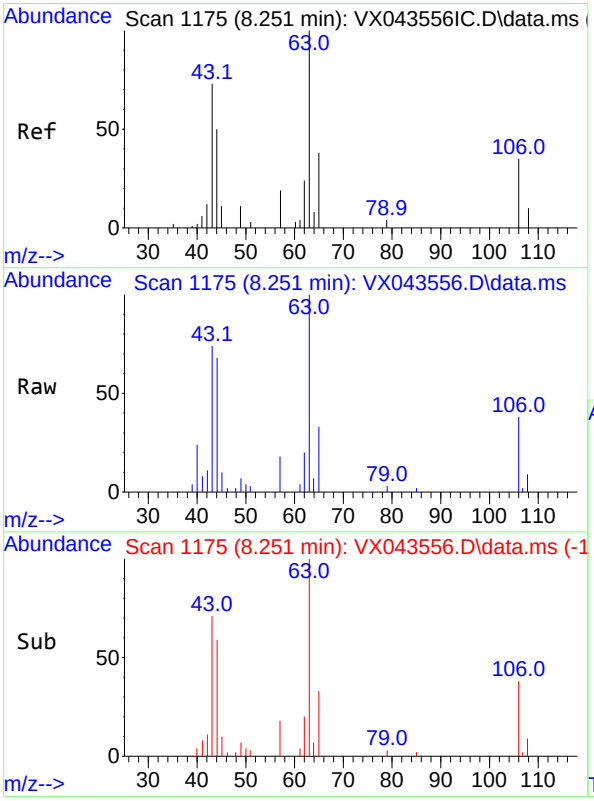
#57
1,3-Dichloropropane
Concen: 0.875 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2929

Ion	Ratio	Lower	Upper
76	100		
78	35.3	25.9	38.9

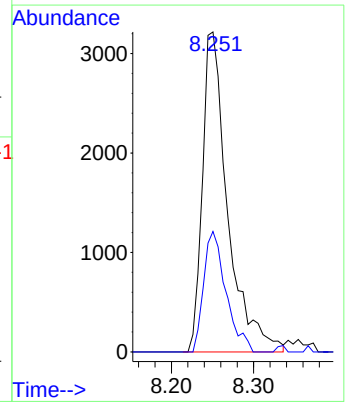


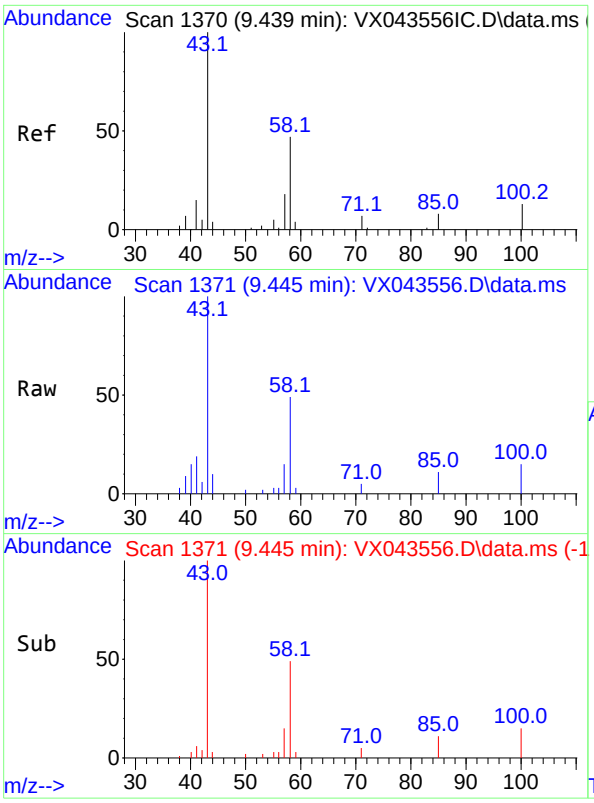


#58
2-Chloroethyl Vinyl ether
Concen: 4.263 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 63 Resp: 6868

Ion	Ratio	Lower	Upper
63	100		
106	33.1	23.6	35.4



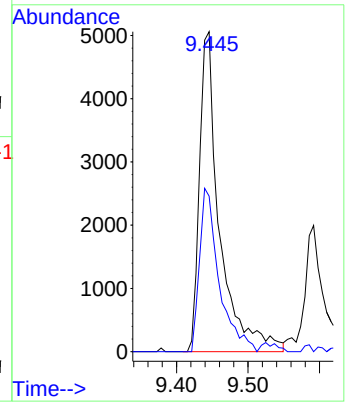


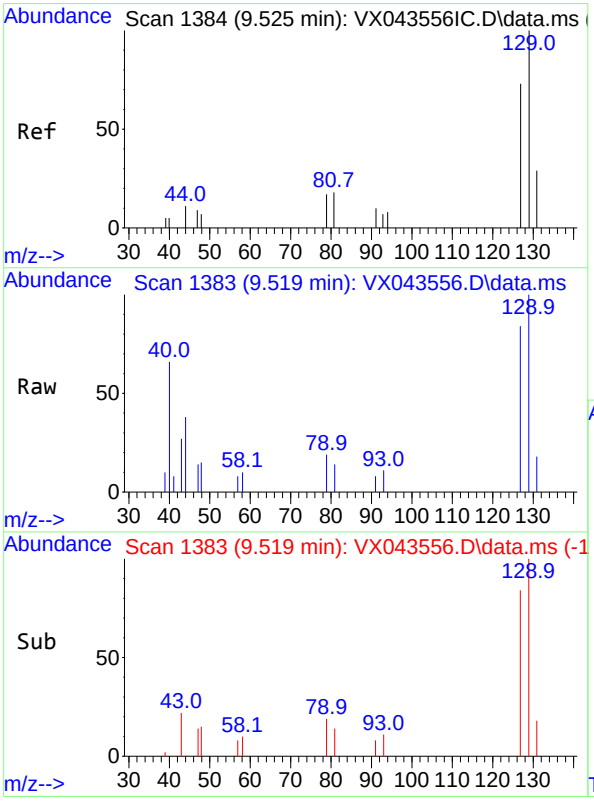
#59
2-Hexanone
Concen: 4.082 ug/l
RT: 9.445 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9840

Ion	Ratio	Lower	Upper
43	100		
58	49.7	27.5	82.5

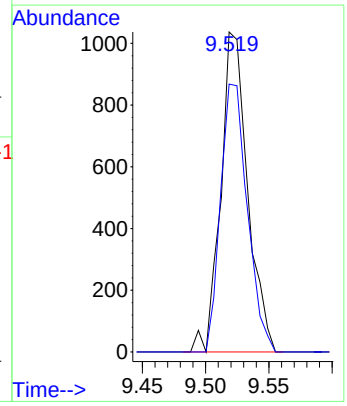


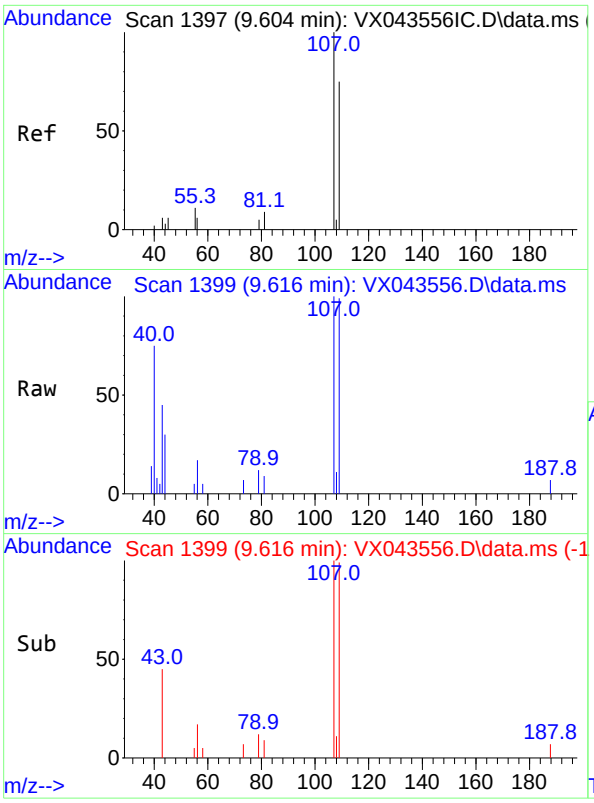


#60
Dibromochloromethane
Concen: 0.807 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:129 Resp: 1531

Ion	Ratio	Lower	Upper
129	100		
127	83.5	38.4	115.1



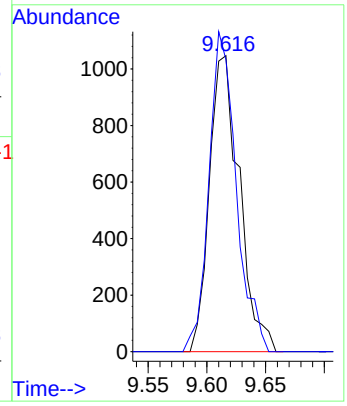


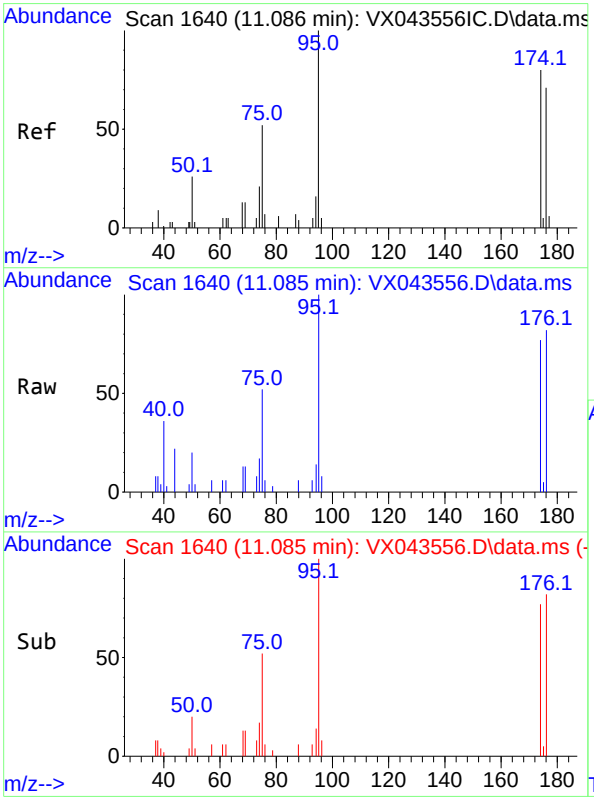
#61
1,2-Dibromoethane
Concen: 0.908 ug/l
RT: 9.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1856

Ion	Ratio	Lower	Upper
107	100		
109	98.7	77.1	115.7

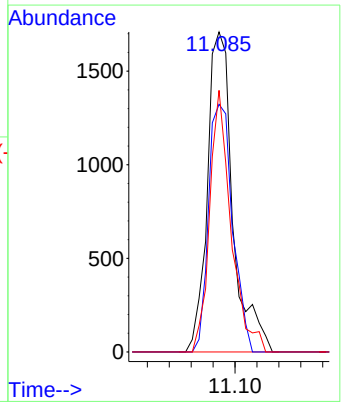


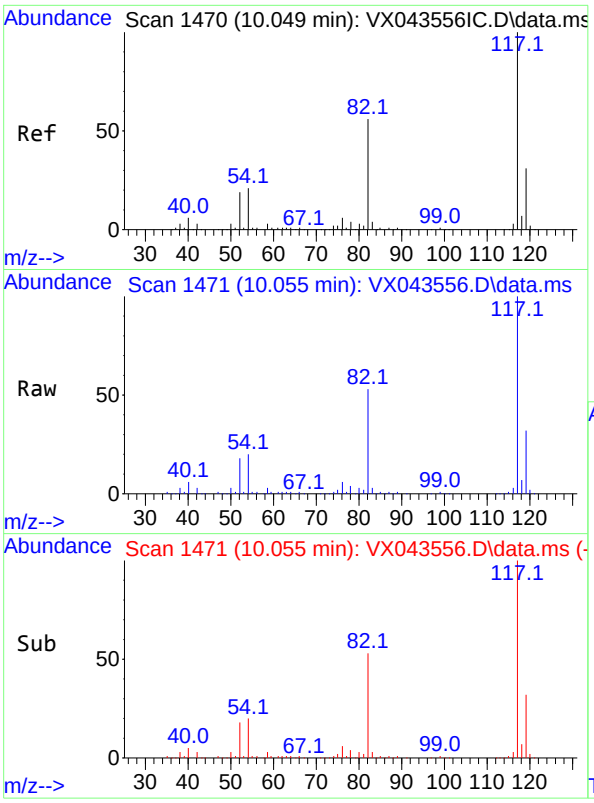


#62
4-Bromofluorobenzene
Concen: 1.106 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 95 Resp: 2759

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	146.6
176	68.6	0.0	139.6



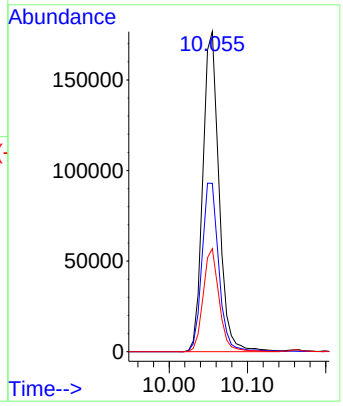


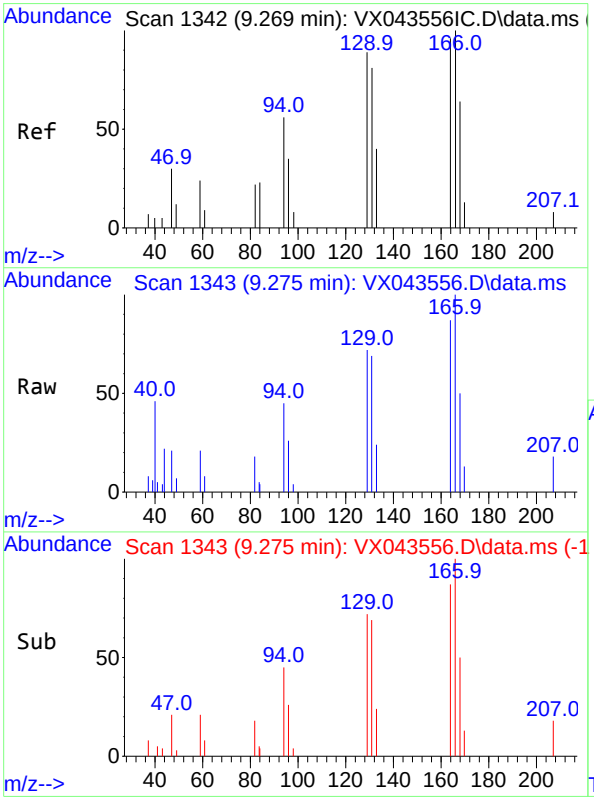
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 253619

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.2	25.4	38.2

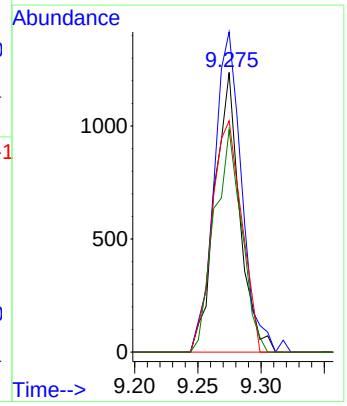


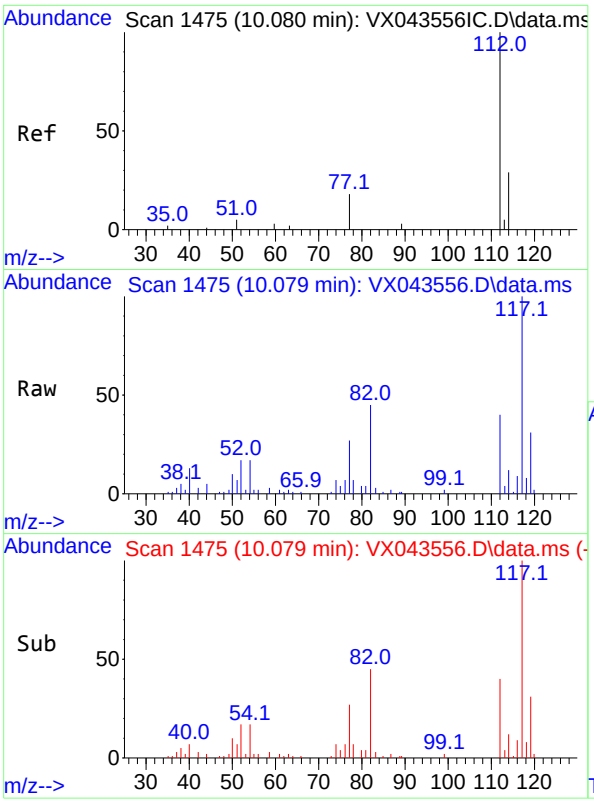


#64
Tetrachloroethene
Concen: 1.075 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:164 Resp: 1707

Ion	Ratio	Lower	Upper
164	100		
166	114.5	103.8	155.6
129	82.7	83.8	125.6#
131	79.5	80.6	121.0#



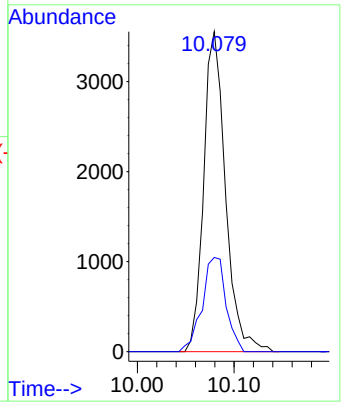


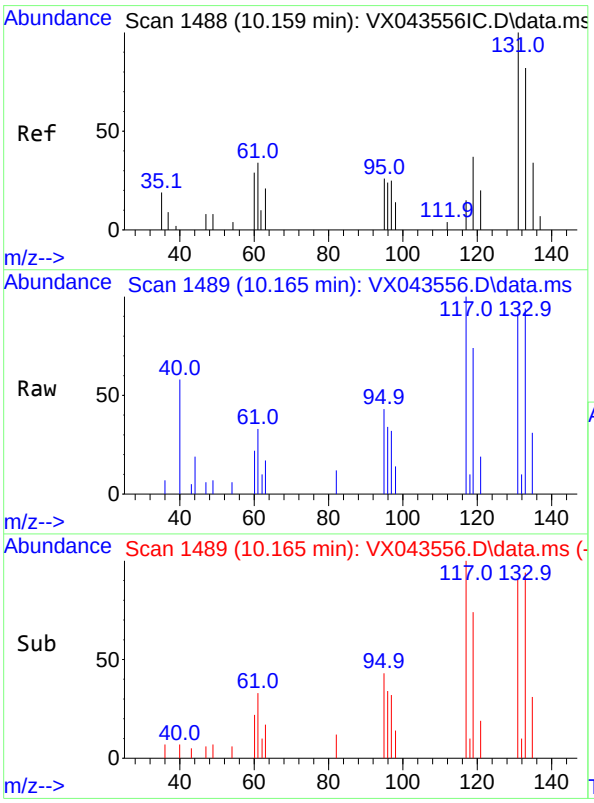
#65
Chlorobenzene
Concen: 1.056 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5570

Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.0	37.6

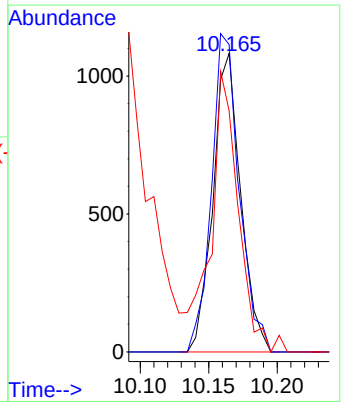


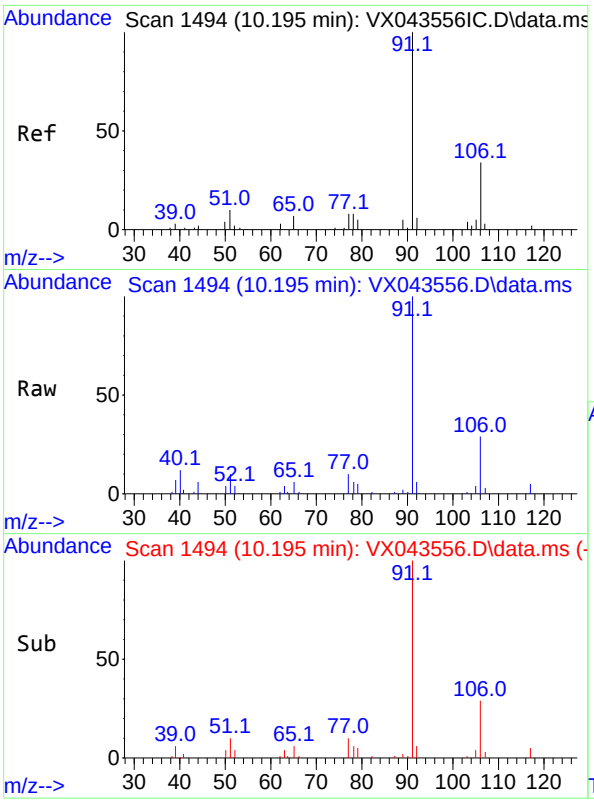


#66
1,1,1,2-Tetrachloroethane
Concen: 0.856 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:131 Resp: 1525

Ion	Ratio	Lower	Upper
131	100		
133	106.8	48.0	144.0
119	0.0	32.3	96.9#



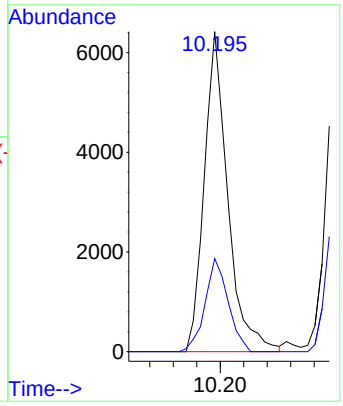


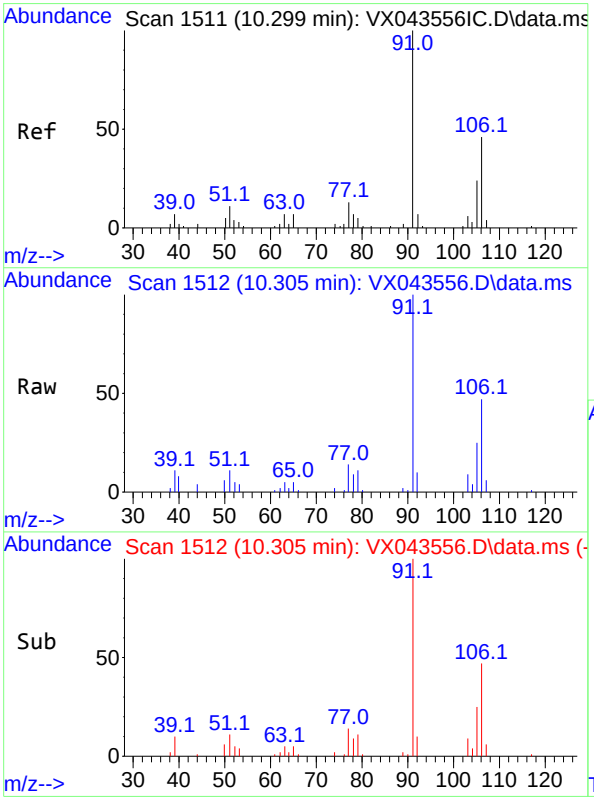
#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8911

Ion	Ratio	Lower	Upper
91	100		
106	29.1	25.4	38.2

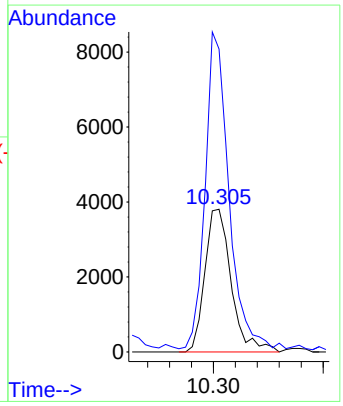


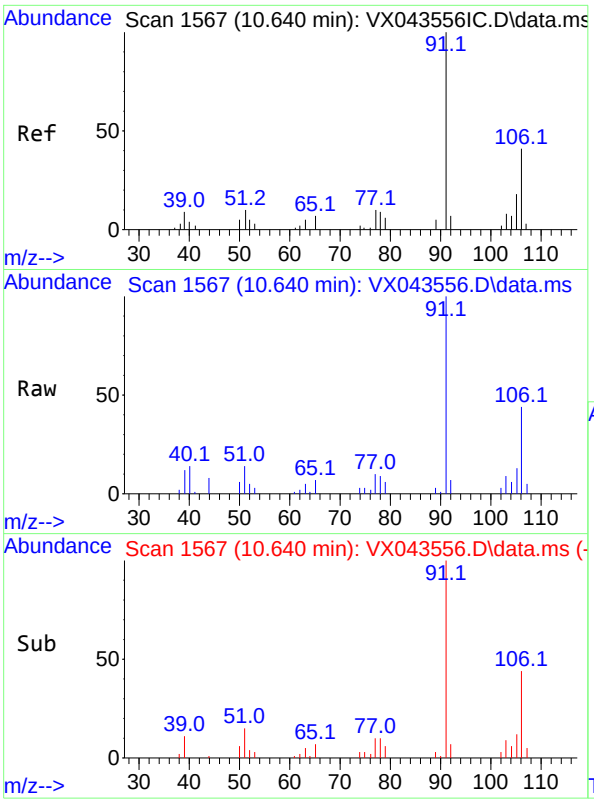


#68
m/p-Xylenes
Concen: 1.908 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:106 Resp: 6344

Ion	Ratio	Lower	Upper
106	100		
91	200.2	164.7	247.1



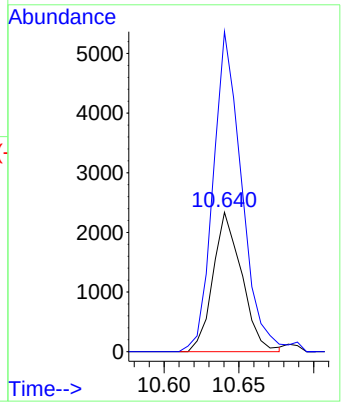


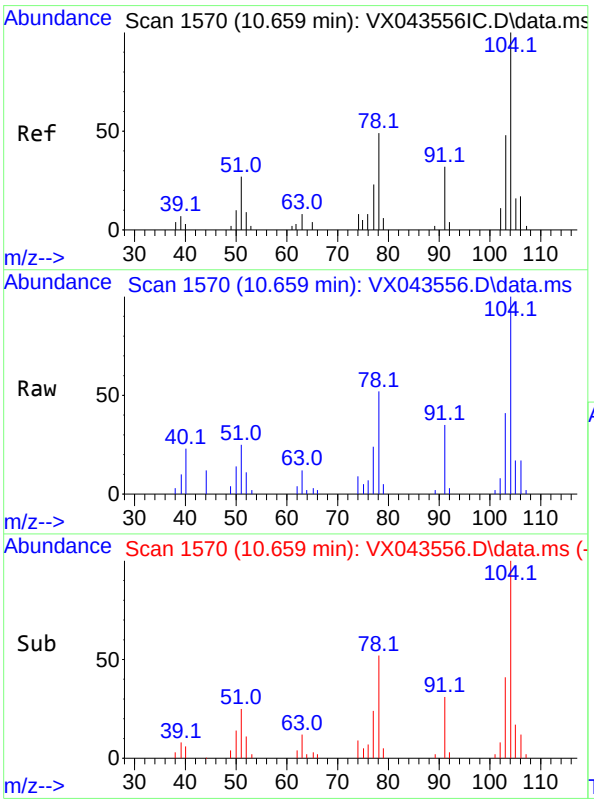
#69
o-Xylene
Concen: 0.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 3125

Ion	Ratio	Lower	Upper
106	100		
91	229.7	107.9	323.7

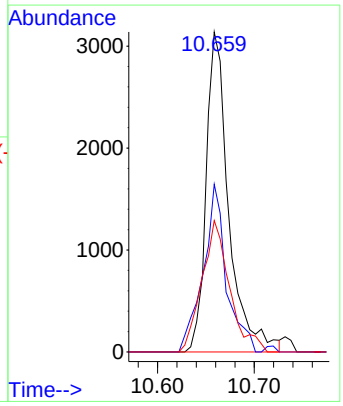


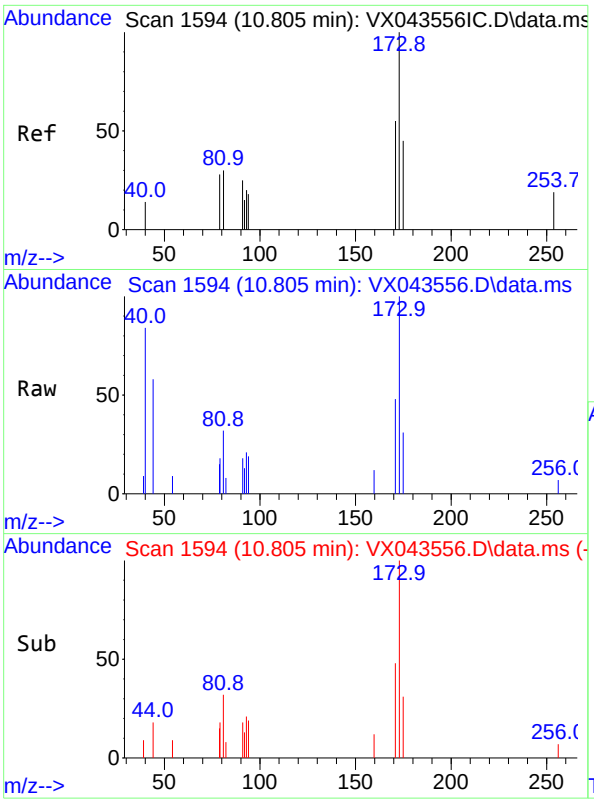


#70
Styrene
Concen: 0.923 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:104 Resp: 5108

Ion	Ratio	Lower	Upper
104	100		
78	53.7	40.0	60.0
103	50.3	43.4	65.0



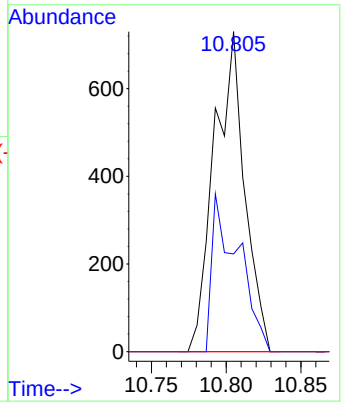


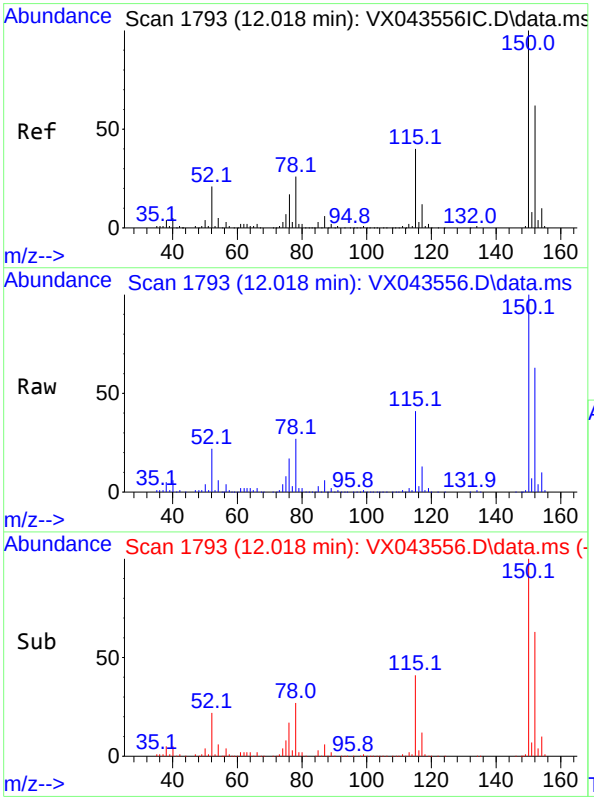
#71
Bromoform
Concen: 0.859 ug/l
RT: 10.805 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1032

Ion	Ratio	Lower	Upper
173	100		
175	42.9	23.3	69.9
254	0.0	0.0	0.0

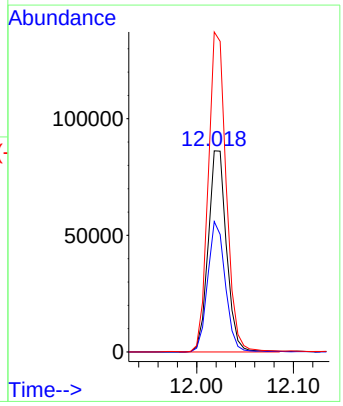


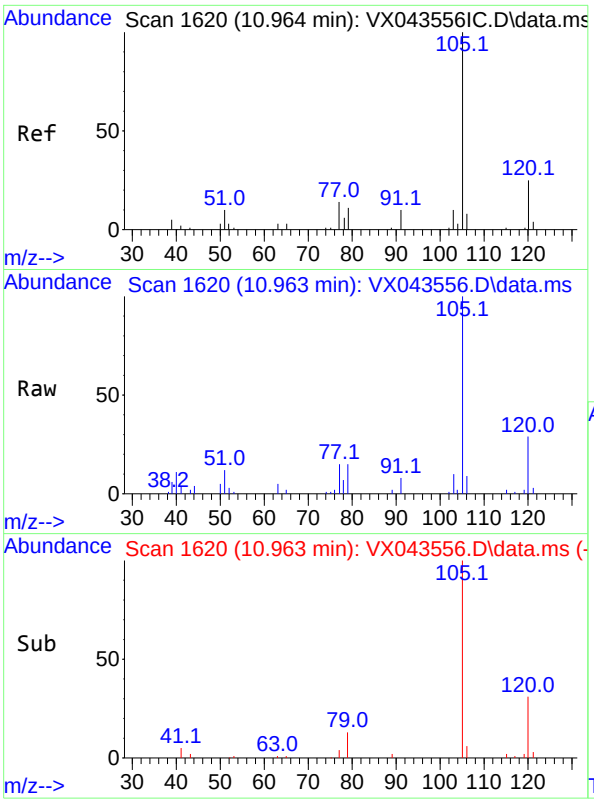


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:152 Resp: 113521

Ion	Ratio	Lower	Upper
152	100		
115	62.7	42.9	128.7
150	157.2	0.0	343.6



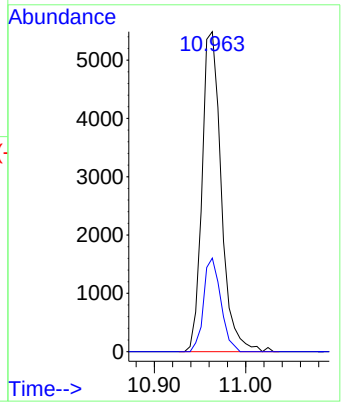


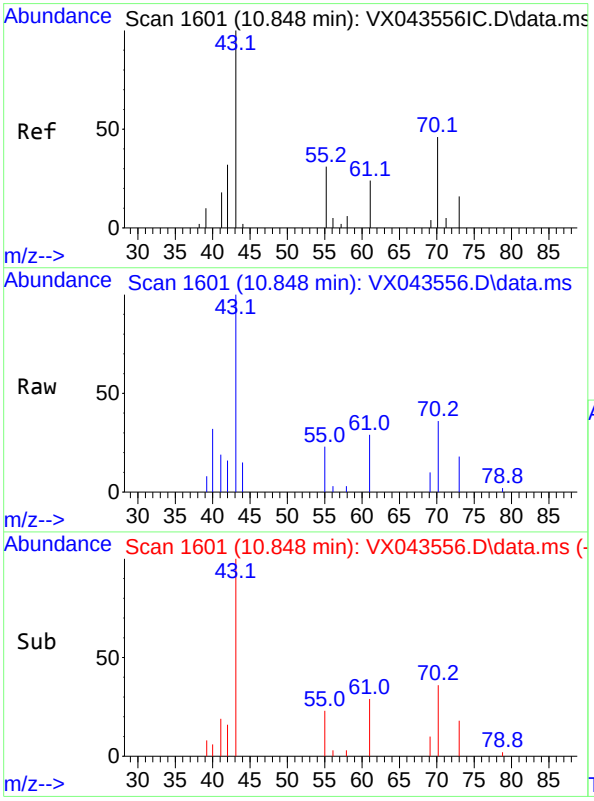
#73
Isopropylbenzene
Concen: 0.985 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 7996

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

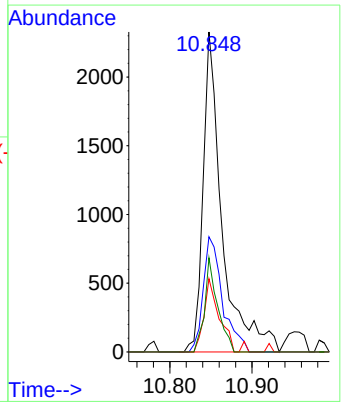


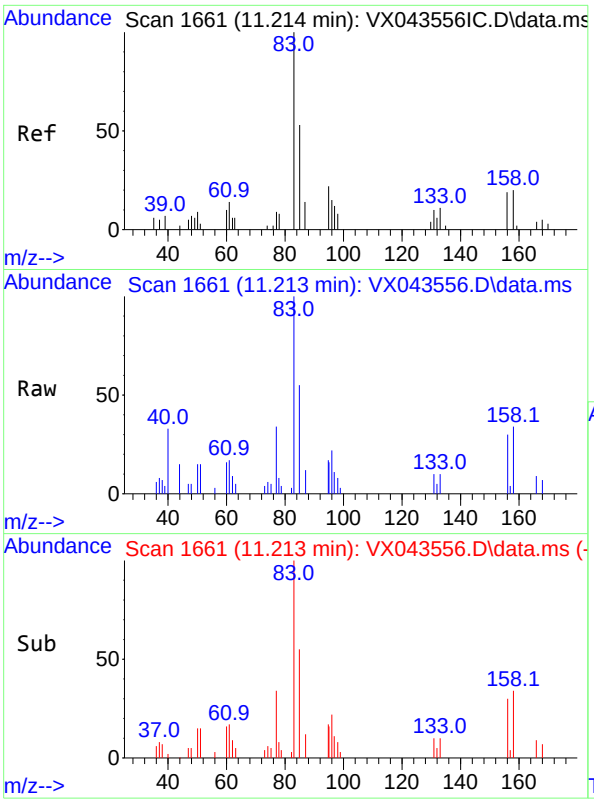


#74
N-amyl acetate
Concen: 0.915 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 43 Resp: 3739

Ion	Ratio	Lower	Upper
43	100		
70	36.6	34.6	52.0
55	18.1	19.6	29.4#
61	20.2	20.2	30.2



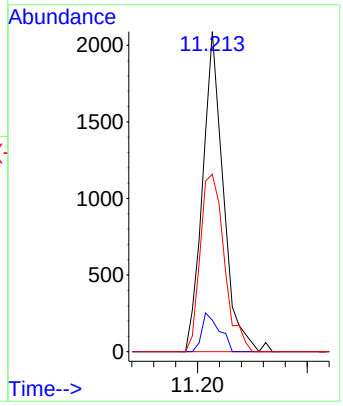


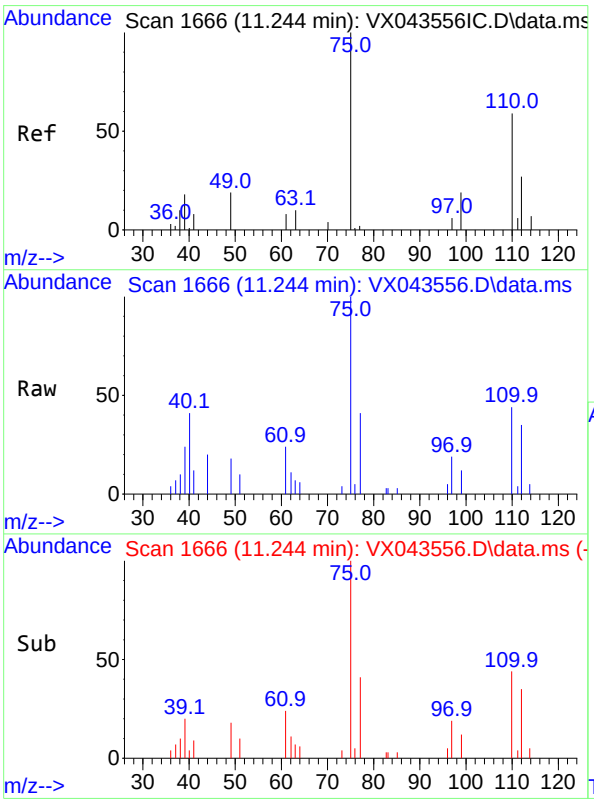
#75
1,1,2,2-Tetrachloroethane
Concen: 0.884 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2747

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.9
85	64.2	32.4	97.0

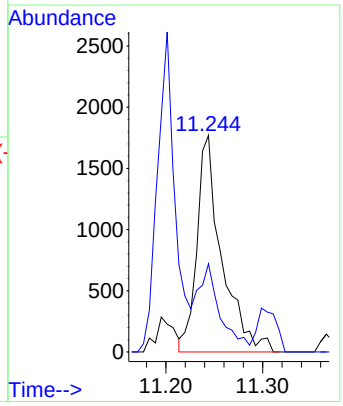


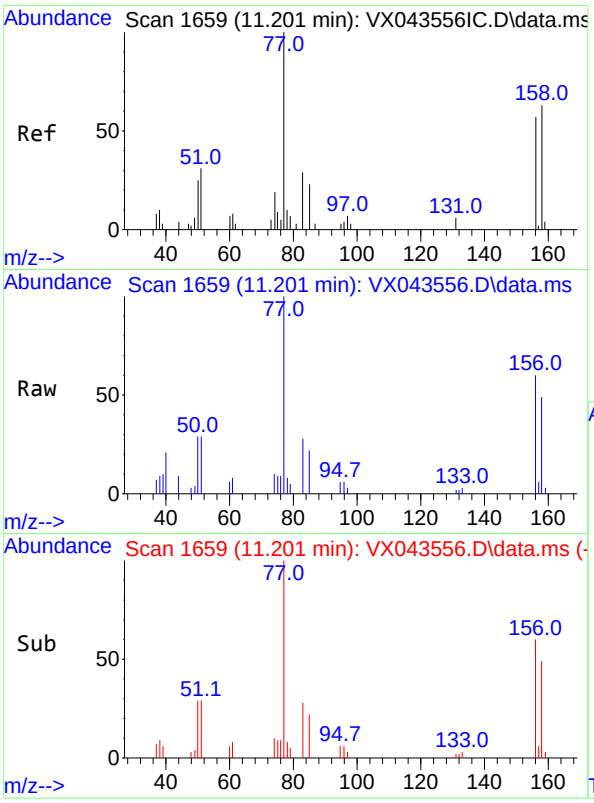


#76
1,2,3-Trichloropropane
Concen: 1.195 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 3153

Ion	Ratio	Lower	Upper
75	100		
77	37.0	22.4	67.2



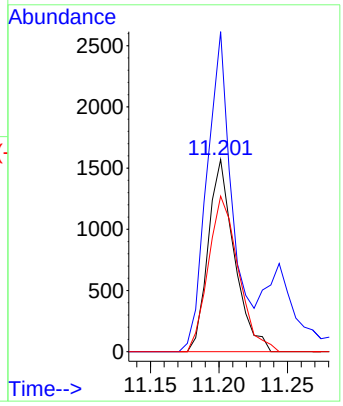


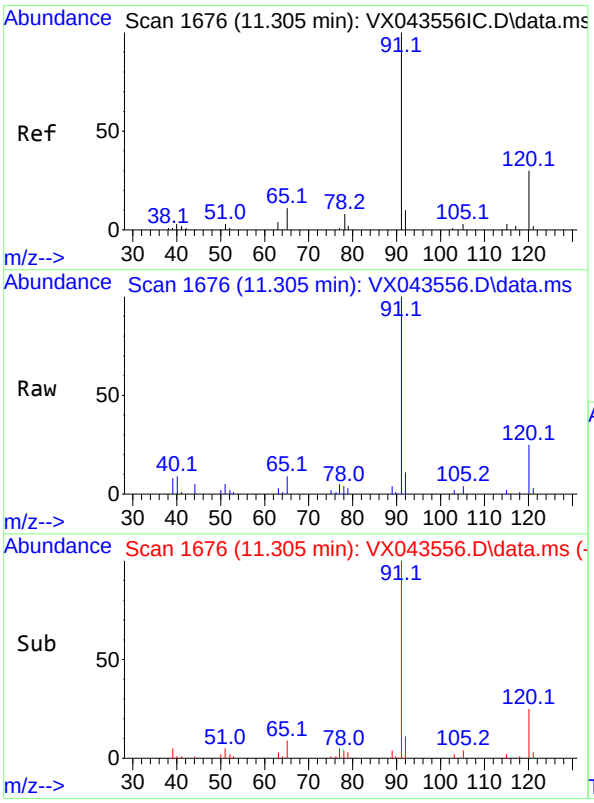
#77
Bromobenzene
Concen: 1.010 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 2093

Ion	Ratio	Lower	Upper
156	100		
77	160.7	79.7	239.1
158	92.8	48.0	144.0

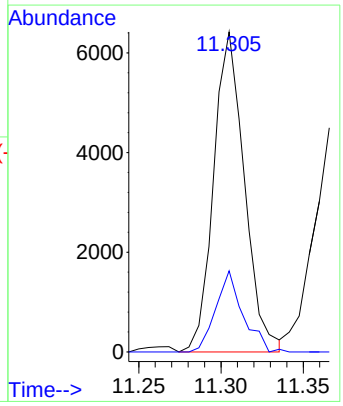


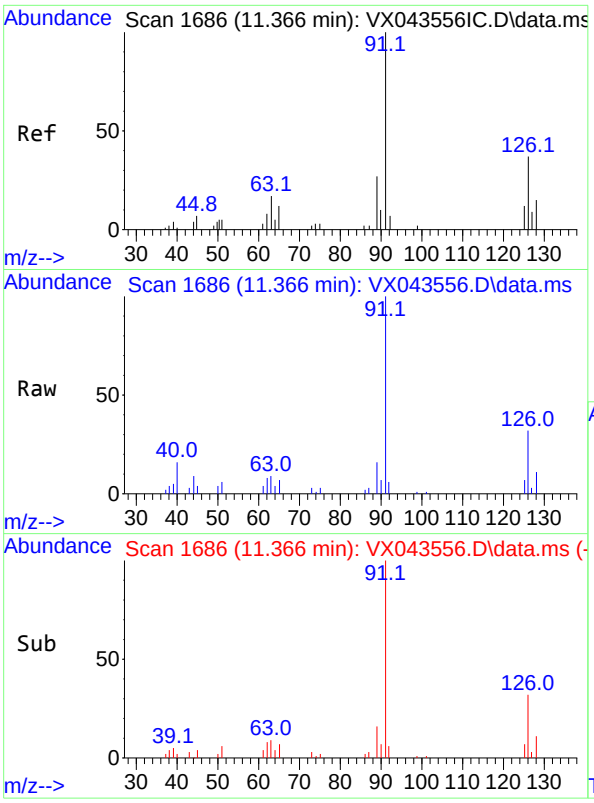


#78
n-propylbenzene
Concen: 0.966 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 91 Resp: 8350

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.6	34.7



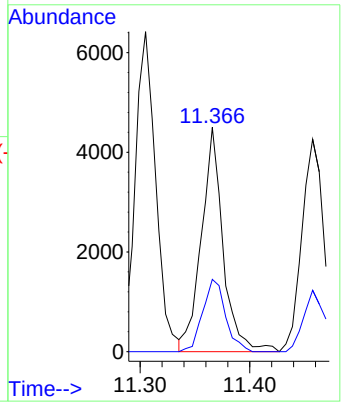


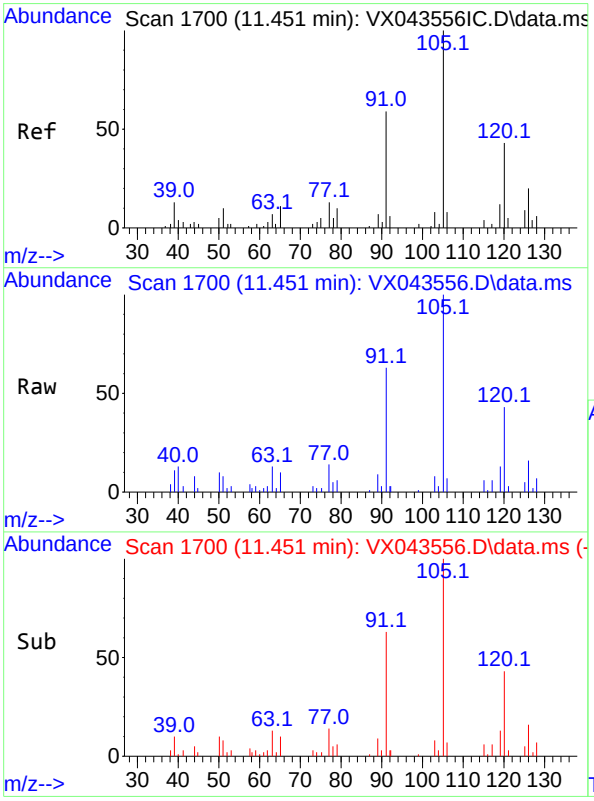
#79
2-Chlorotoluene
Concen: 1.066 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6183

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.7	50.0

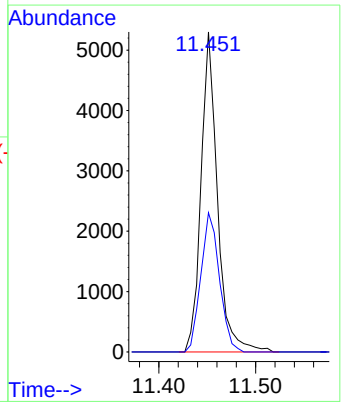


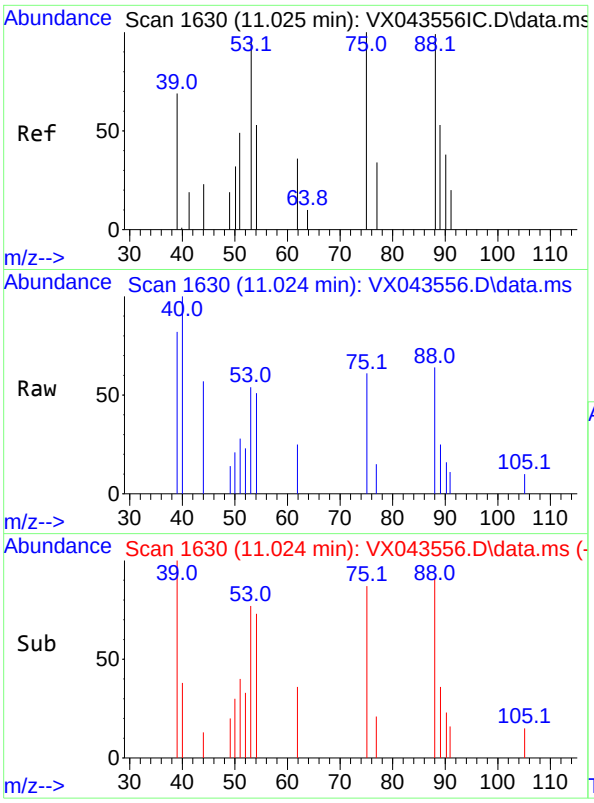


#80
1,3,5-Trimethylbenzene
Concen: 0.930 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:105 Resp: 6268

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.8	71.5



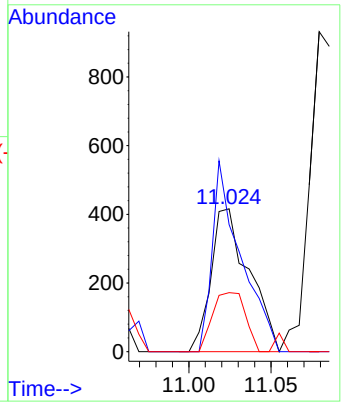


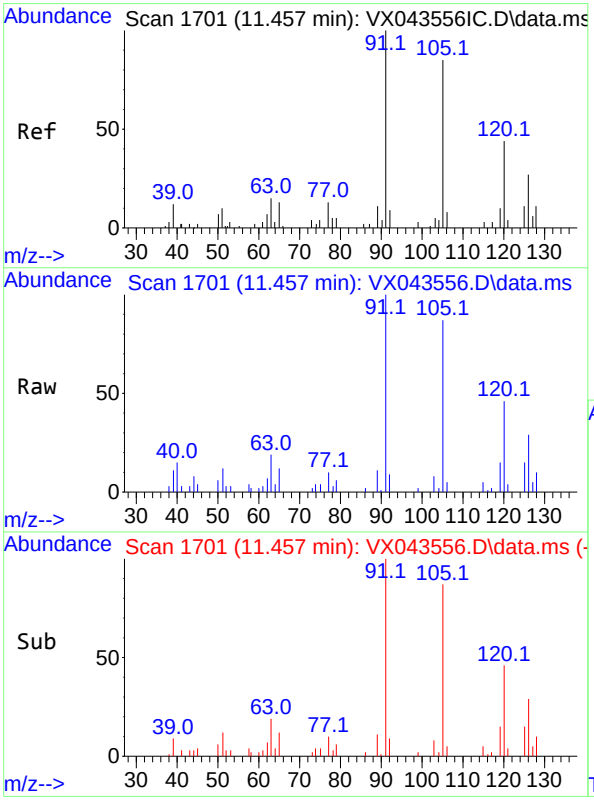
#81
trans-1,4-Dichloro-2-butene
Concen: 0.774 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 669

Ion	Ratio	Lower	Upper
75	100		
53	100.4	84.6	126.8
89	35.9	38.6	58.0#

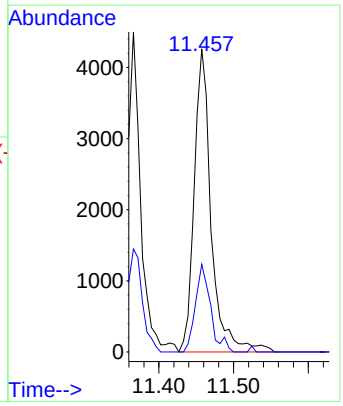


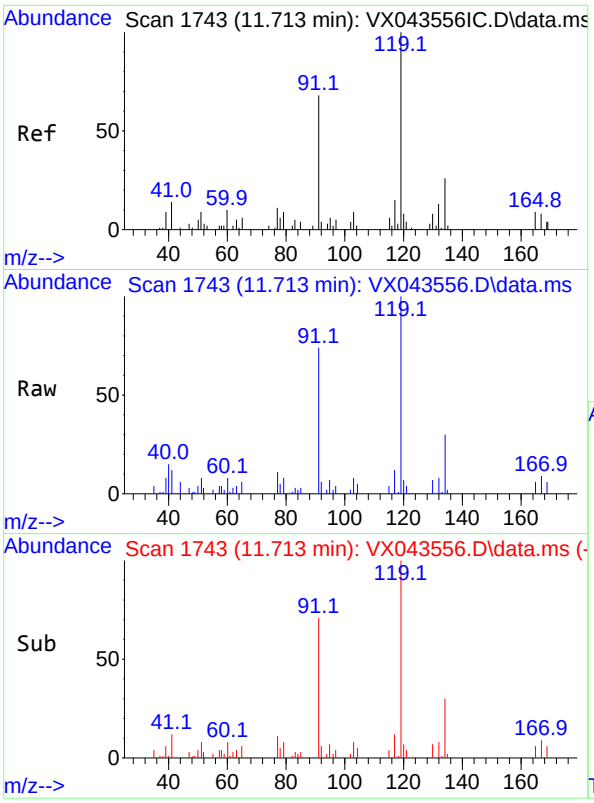


#82
4-Chlorotoluene
Concen: 1.043 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 91 Resp: 6699

Ion	Ratio	Lower	Upper
91	100		
126	25.9	14.2	42.8



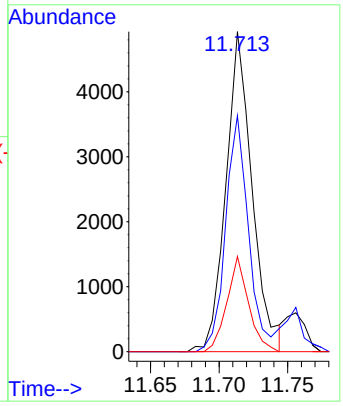


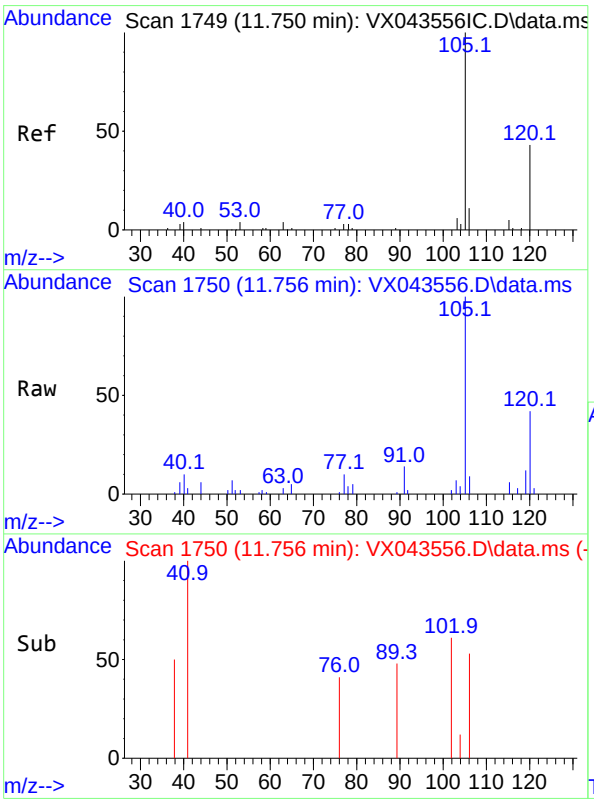
#83
tert-Butylbenzene
Concen: 0.953 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 6551

Ion	Ratio	Lower	Upper
119	100		
91	64.2	29.5	88.5
134	24.6	11.8	35.3

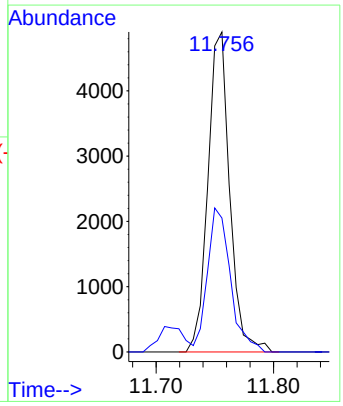


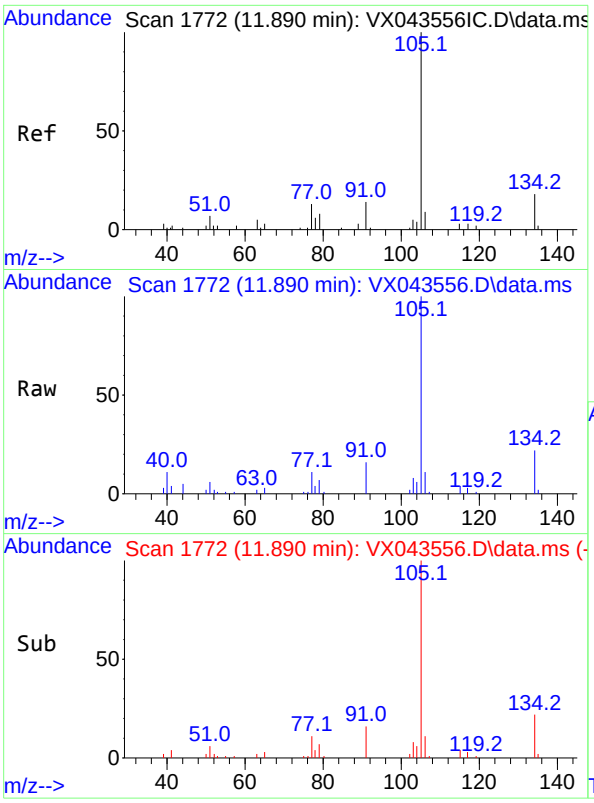


#84
1,2,4-Trimethylbenzene
Concen: 0.916 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:105 Resp: 6312

Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.1	66.1



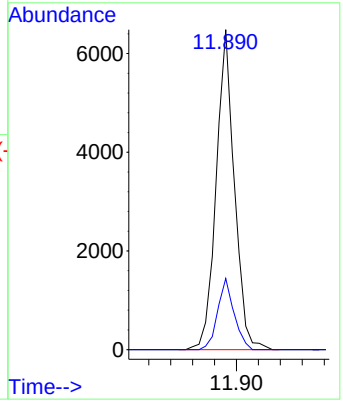


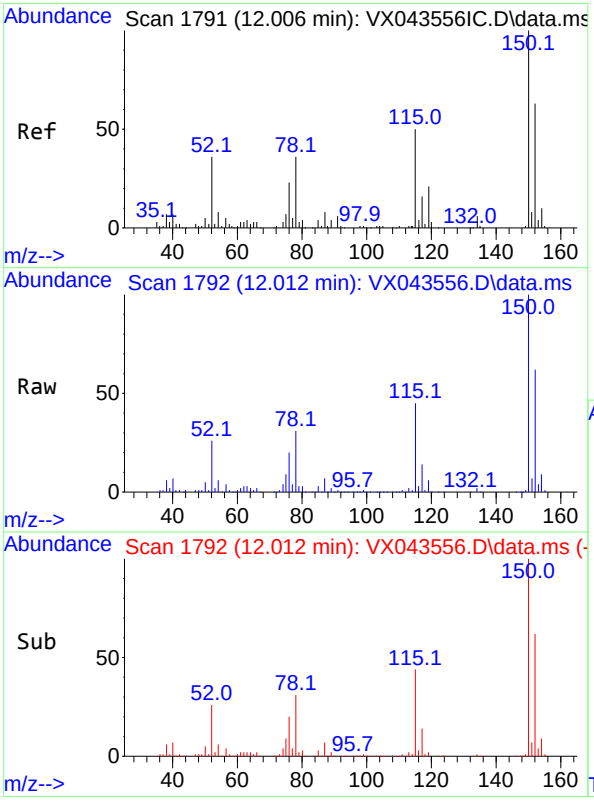
#85
sec-Butylbenzene
Concen: 0.940 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 7481

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

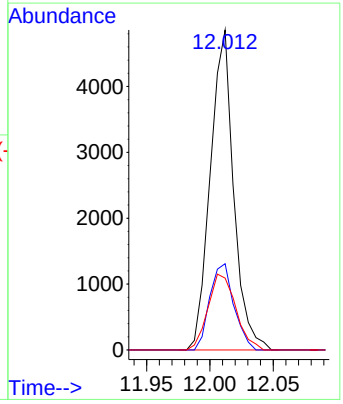


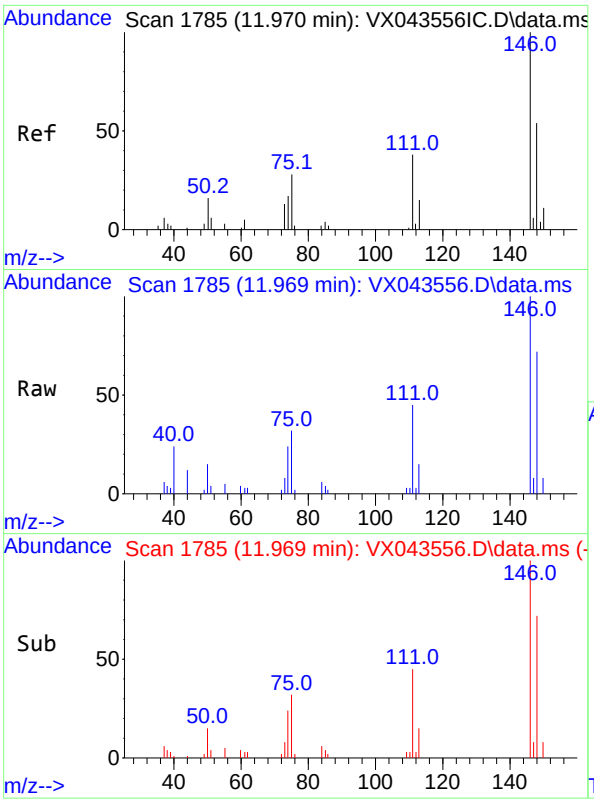


#86
p-Isopropyltoluene
Concen: 0.944 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:119 Resp: 6224

Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.1	39.1
91	28.2	12.4	37.0



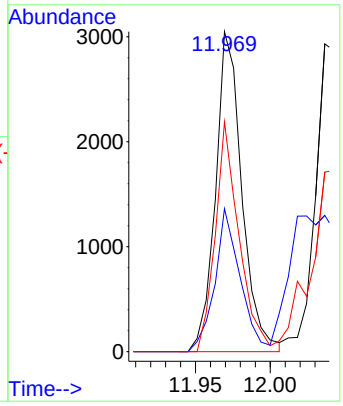


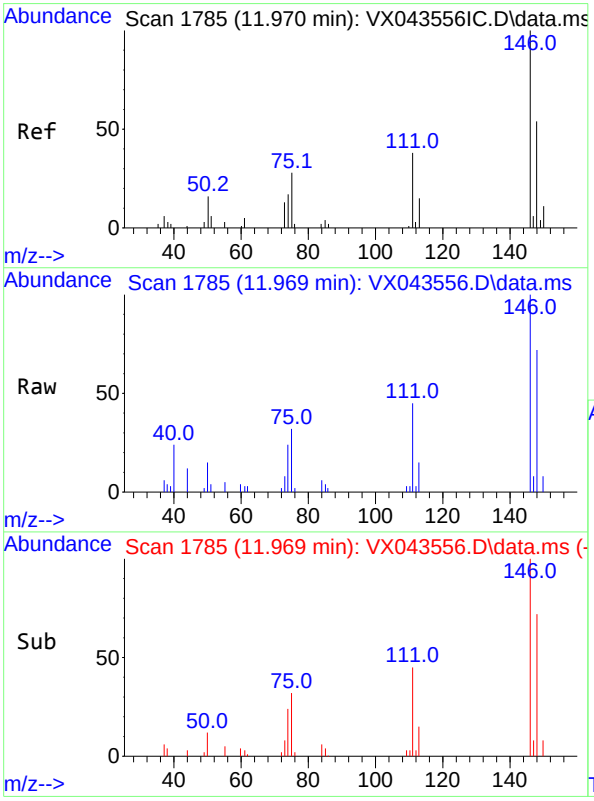
#87
1,3-Dichlorobenzene
Concen: 1.005 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3734

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.4
148	64.8	31.6	94.8

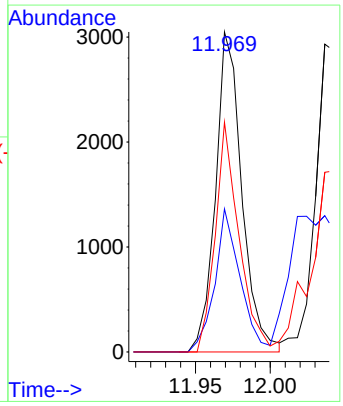


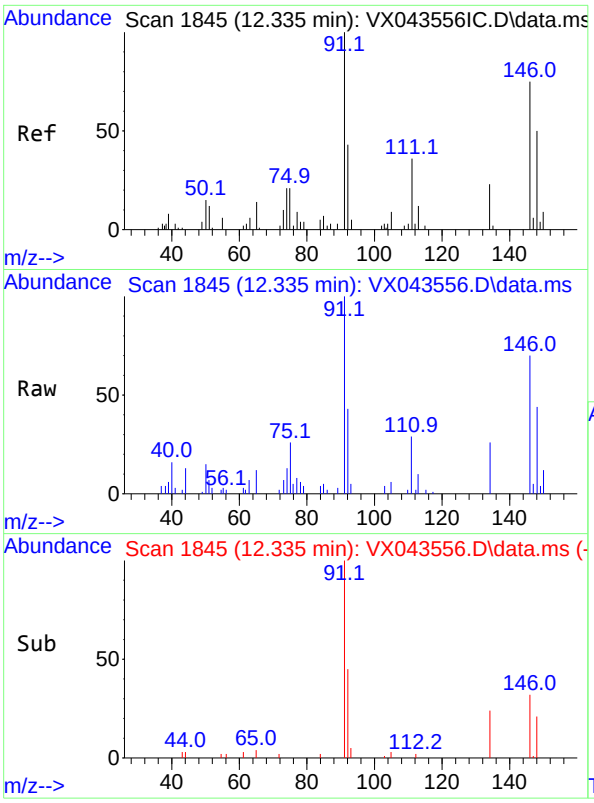


#88
1,4-Dichlorobenzene
Concen: 0.997 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.073 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:146 Resp: 3734

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.4	61.3
148	64.8	31.9	95.9



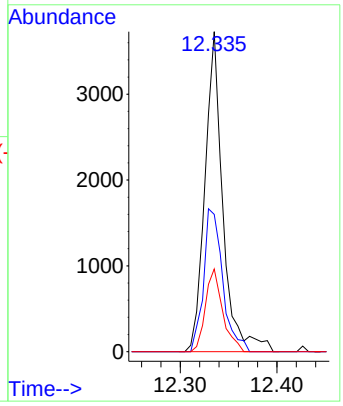


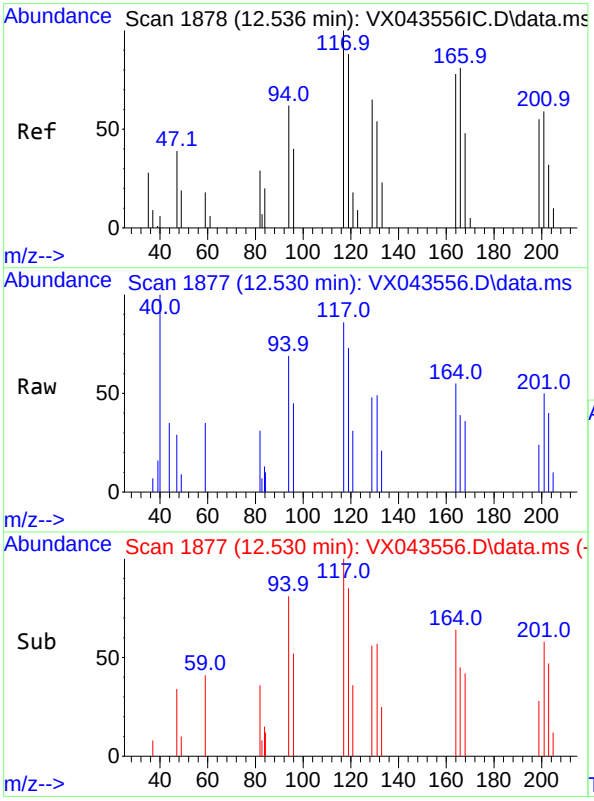
#89
n-Butylbenzene
Concen: 0.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4807

Ion	Ratio	Lower	Upper
91	100		
92	47.7	27.1	81.2
134	24.9	12.9	38.6

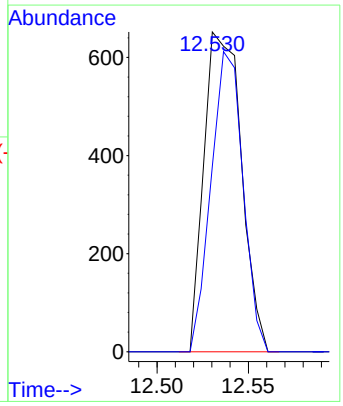


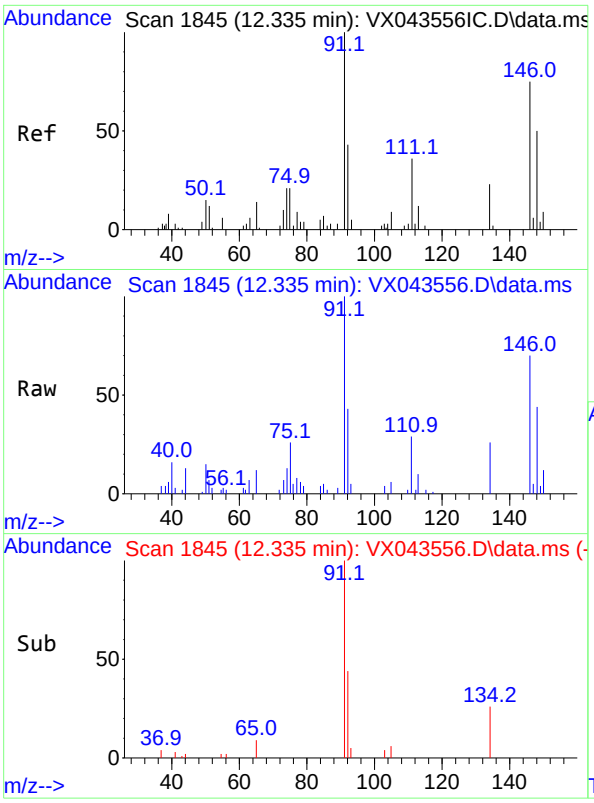


#90
Hexachloroethane
Concen: 0.868 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:117 Resp: 926

Ion	Ratio	Lower	Upper
117	100		
201	80.3	32.9	98.7



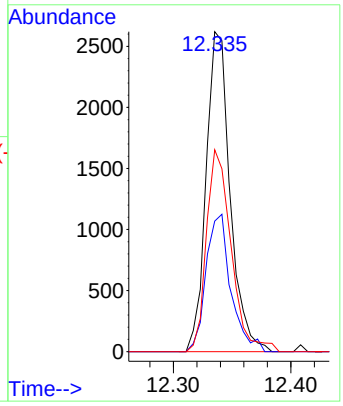


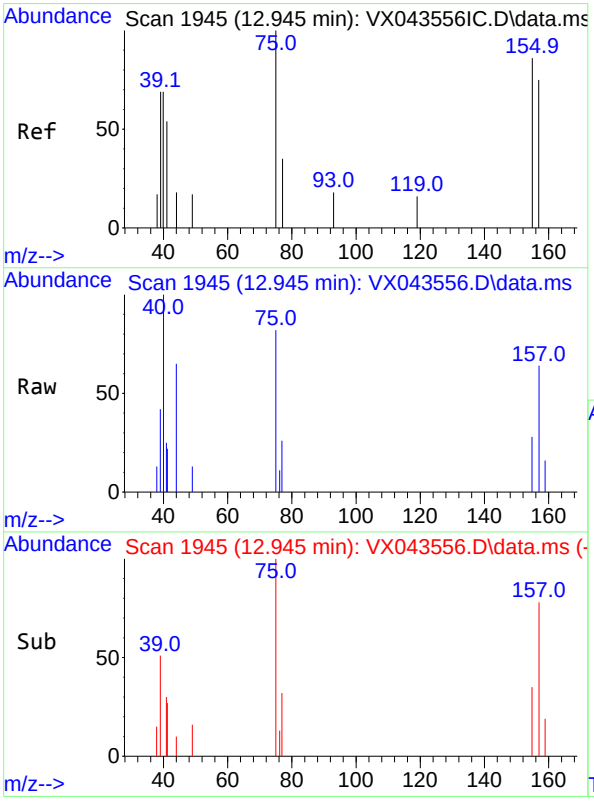
#91
1,2-Dichlorobenzene
Concen: 0.970 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3719

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	64.6
148	65.0	31.6	95.0

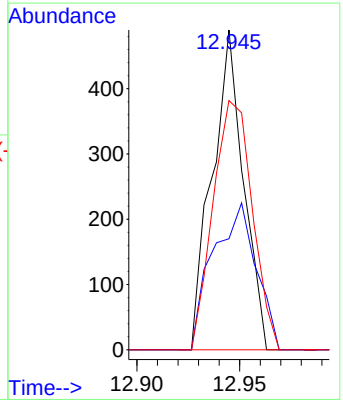


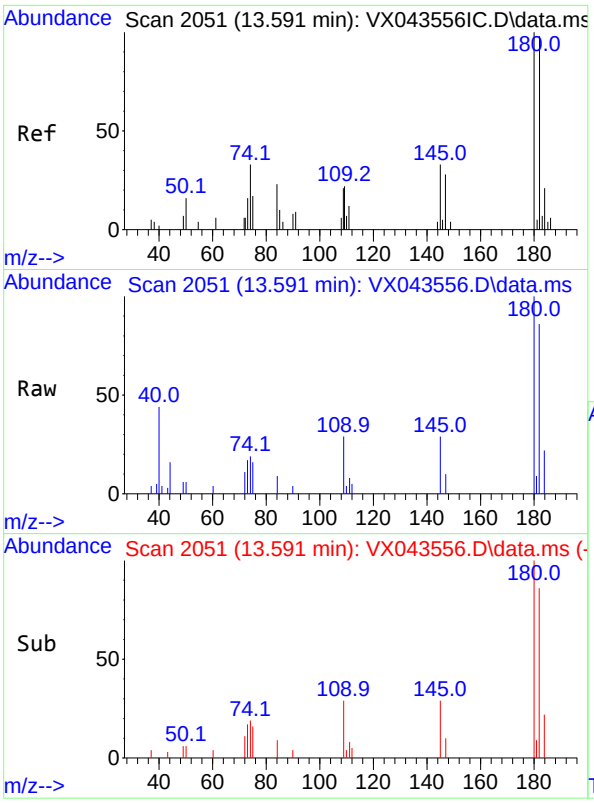


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.785 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion: 75 Resp: 519

Ion	Ratio	Lower	Upper
75	100		
155	63.2	40.1	120.3
157	97.7	50.8	152.4



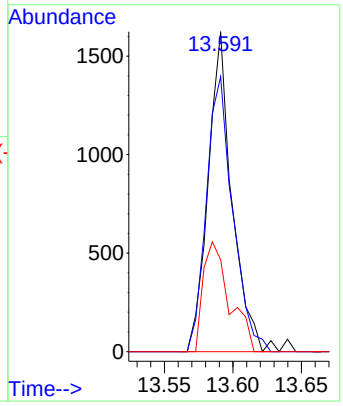


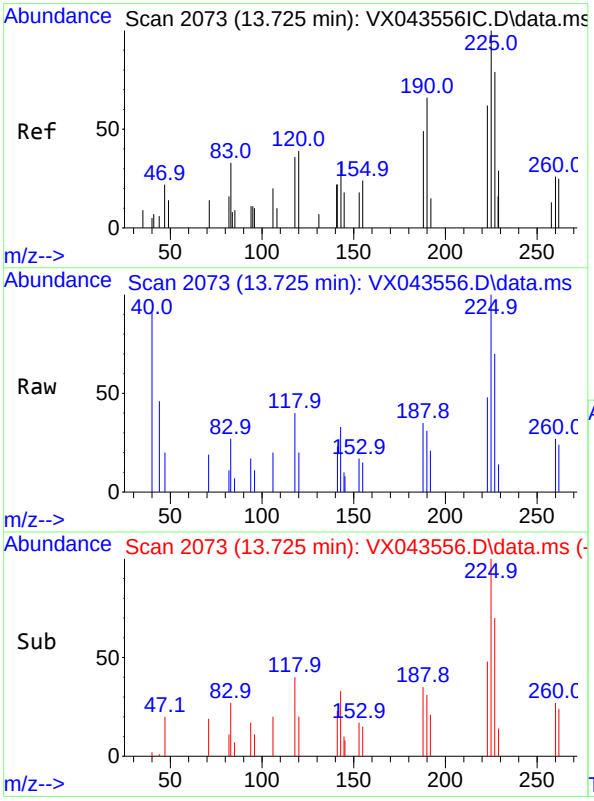
#93
1,2,4-Trichlorobenzene
Concen: 0.876 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1965

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.4
145	37.9	16.1	48.3

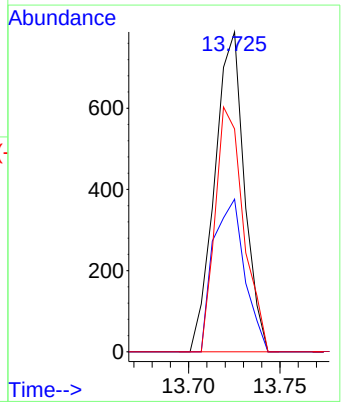


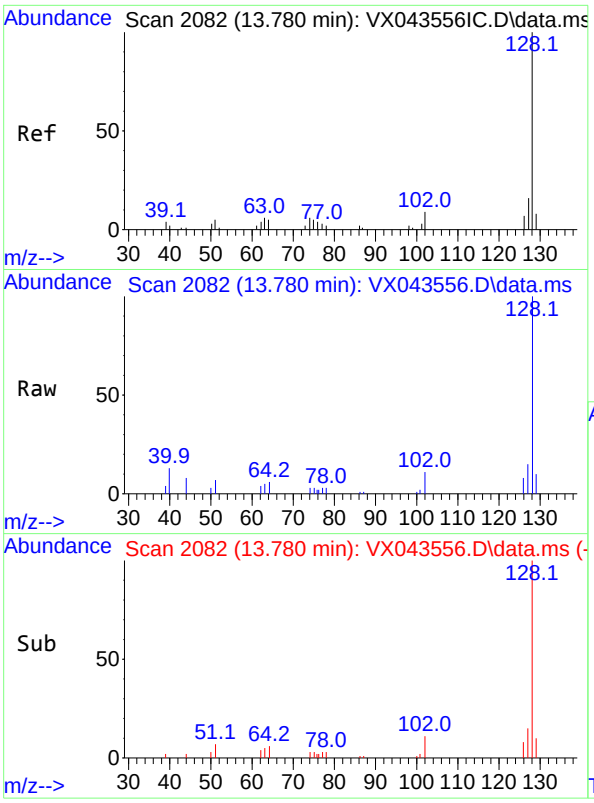


#94
Hexachlorobutadiene
Concen: 1.119 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:225 Resp: 889

Ion	Ratio	Lower	Upper
225	100		
223	50.4	30.8	92.4
227	73.3	31.6	94.8



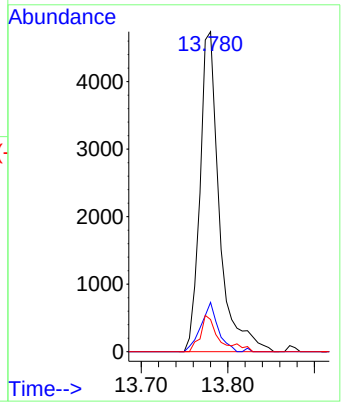


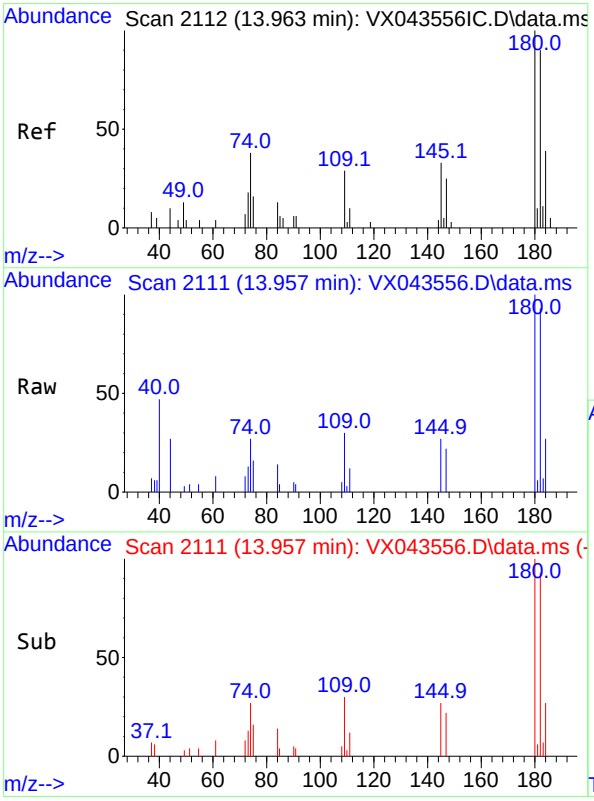
#95
Naphthalene
Concen: 0.801 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 7377

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.8	8.7	13.1

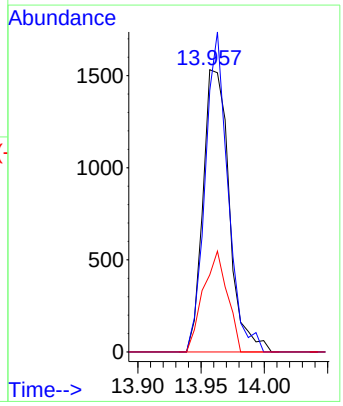




#96
1,2,3-Trichlorobenzene
Concen: 0.943 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043556.D
Acq: 28 Oct 2024 10:59

Tgt Ion:180 Resp: 2215

Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.1	141.3
145	32.8	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	155093	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	287211	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	250063	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111781	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	13988	5.686	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.380%#				
35) Dibromofluoromethane	5.385	113	10276	5.373	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.740%#				
50) Toluene-d8	8.647	98	36059	5.438	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.880%#				
62) 4-Bromofluorobenzene	11.079	95	12799	5.284	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 10.560%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	8579	4.962	ug/l		96
3) Chloromethane	1.295	50	10900	4.942	ug/l		95
4) Vinyl Chloride	1.374	62	10451	5.202	ug/l		99
5) Bromomethane	1.599	94	4136	5.271	ug/l		92
6) Chloroethane	1.660	64	3330	5.066	ug/l	#	82
7) Trichlorofluoromethane	1.861	101	12037	4.565	ug/l		96
8) Diethyl Ether	2.136	74	5822	5.055	ug/l		91
9) 1,1,2-Trichlorotrifluo...	2.313	101	8472	5.091	ug/l		98
10) Methyl Iodide	2.441	142	11260	4.886	ug/l		100
11) Tert butyl alcohol	3.038	59	10188	19.389	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	8606	5.260	ug/l		91
13) Acrolein	2.239	56	9609	23.207	ug/l		99
14) Allyl chloride	2.654	41	13656	4.703	ug/l		96
15) Acrylonitrile	3.075	53	25966	22.307	ug/l		99
16) Acetone	2.392	43	24830	23.644	ug/l		99
17) Carbon Disulfide	2.496	76	15112	4.462	ug/l	#	95
18) Methyl Acetate	2.709	43	14366	4.552	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	31411	4.934	ug/l		99
20) Methylene Chloride	2.782	84	10845	5.284	ug/l		98
21) trans-1,2-Dichloroethene	3.087	96	8639	4.877	ug/l		95
22) Diisopropyl ether	3.764	45	30888	5.154	ug/l	#	86
23) Vinyl Acetate	3.721	43	119942	24.227	ug/l		98
24) 1,1-Dichloroethane	3.605	63	17144	5.072	ug/l		98
25) 2-Butanone	4.581	43	35818	22.456	ug/l		98
26) 2,2-Dichloropropane	4.471	77	14180	5.820	ug/l		96
27) cis-1,2-Dichloroethene	4.483	96	11158	5.055	ug/l		98
28) Bromochloromethane	4.904	49	8209	4.909	ug/l		97
29) Tetrahydrofuran	5.026	42	23624	22.684	ug/l		97
30) Chloroform	5.093	83	18141	5.019	ug/l		95
31) Cyclohexane	5.458	56	13335	4.972	ug/l		88
32) 1,1,1-Trichloroethane	5.379	97	14721	4.846	ug/l		98
36) 1,1-Dichloropropene	5.690	75	11382	5.029	ug/l		98
37) Ethyl Acetate	4.733	43	11948	3.868	ug/l	#	94
38) Carbon Tetrachloride	5.672	117	12706	4.940	ug/l		99
39) Methylcyclohexane	7.379	83	14623	5.038	ug/l		94
40) Benzene	6.038	78	40098	5.300	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	4.922	41	6345	4.083	ug/l	#	81
42)	1,2-Dichloroethane	6.092	62	14018	5.037	ug/l		99
43)	Isopropyl Acetate	6.355	43	23242	4.756	ug/l		99
44)	Trichloroethene	7.123	130	9917	5.528	ug/l		93
45)	1,2-Dichloropropane	7.434	63	9734	5.268	ug/l		91
46)	Dibromomethane	7.586	93	7576	5.337	ug/l		96
47)	Bromodichloromethane	7.818	83	11922	4.735	ug/l		99
48)	Methyl methacrylate	7.702	41	10543	4.621	ug/l		95
49)	1,4-Dioxane	7.690	88	4322	73.737	ug/l		88
51)	4-Methyl-2-Pentanone	8.580	43	71301	23.028	ug/l		98
52)	Toluene	8.720	92	23888	5.121	ug/l		99
53)	t-1,3-Dichloropropene	8.982	75	12164	4.773	ug/l		98
54)	cis-1,3-Dichloropropene	8.366	75	14227	5.084	ug/l		93
55)	1,1,2-Trichloroethane	9.153	97	9807	4.982	ug/l		97
56)	Ethyl methacrylate	9.122	69	14989	4.712	ug/l		99
57)	1,3-Dichloropropane	9.311	76	16567	5.097	ug/l		97
58)	2-Chloroethyl Vinyl ether	8.245	63	36952	23.613	ug/l		98
59)	2-Hexanone	9.439	43	52944	22.614	ug/l		99
60)	Dibromochloromethane	9.519	129	8314	4.514	ug/l		96
61)	1,2-Dibromoethane	9.610	107	10094	5.087	ug/l		98
64)	Tetrachloroethene	9.275	164	8068	5.154	ug/l		91
65)	Chlorobenzene	10.080	112	27763	5.337	ug/l		98
66)	1,1,1,2-Tetrachloroethane	10.159	131	8622	4.907	ug/l		96
67)	Ethyl Benzene	10.195	91	44094	5.095	ug/l		98
68)	m/p-Xylenes	10.299	106	33988	10.367	ug/l		96
69)	o-Xylene	10.640	106	17462	5.181	ug/l		98
70)	Styrene	10.659	104	26381	4.836	ug/l		96
71)	Bromoform	10.799	173	5147	4.345	ug/l	#	98
73)	Isopropylbenzene	10.964	105	41185	5.155	ug/l		99
74)	N-amyl acetate	10.848	43	19116	4.750	ug/l		98
75)	1,1,2,2-Tetrachloroethane	11.213	83	15141	4.947	ug/l		95
76)	1,2,3-Trichloropropane	11.238	75	16074	6.186	ug/l		81
77)	Bromobenzene	11.201	156	10564	5.179	ug/l		97
78)	n-propylbenzene	11.305	91	42687	5.013	ug/l		99
79)	2-Chlorotoluene	11.366	91	29923	5.237	ug/l		99
80)	1,3,5-Trimethylbenzene	11.451	105	34706	5.232	ug/l		98
81)	trans-1,4-Dichloro-2-b...	11.018	75	3243	3.808	ug/l	#	82
82)	4-Chlorotoluene	11.457	91	32648	5.163	ug/l		98
83)	tert-Butylbenzene	11.713	119	34653	5.122	ug/l		96
84)	1,2,4-Trimethylbenzene	11.750	105	34775	5.125	ug/l		98
85)	sec-Butylbenzene	11.890	105	39786	5.078	ug/l		99
86)	p-Isopropyltoluene	12.006	119	33359	5.139	ug/l		98
87)	1,3-Dichlorobenzene	11.969	146	18951	5.178	ug/l		98
88)	1,4-Dichlorobenzene	12.043	146	19222	5.210	ug/l		93
89)	n-Butylbenzene	12.329	91	24922	4.736	ug/l		98
90)	Hexachloroethane	12.536	117	4704	4.480	ug/l		91
91)	1,2-Dichlorobenzene	12.335	146	19394	5.139	ug/l		98
92)	1,2-Dibromo-3-Chloropr...	12.939	75	2456	3.771	ug/l		96
93)	1,2,4-Trichlorobenzene	13.585	180	11267	5.098	ug/l		98
94)	Hexachlorobutadiene	13.725	225	4097	5.239	ug/l		96
95)	Naphthalene	13.774	128	41834	4.613	ug/l		100
96)	1,2,3-Trichlorobenzene	13.963	180	11815	5.110	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

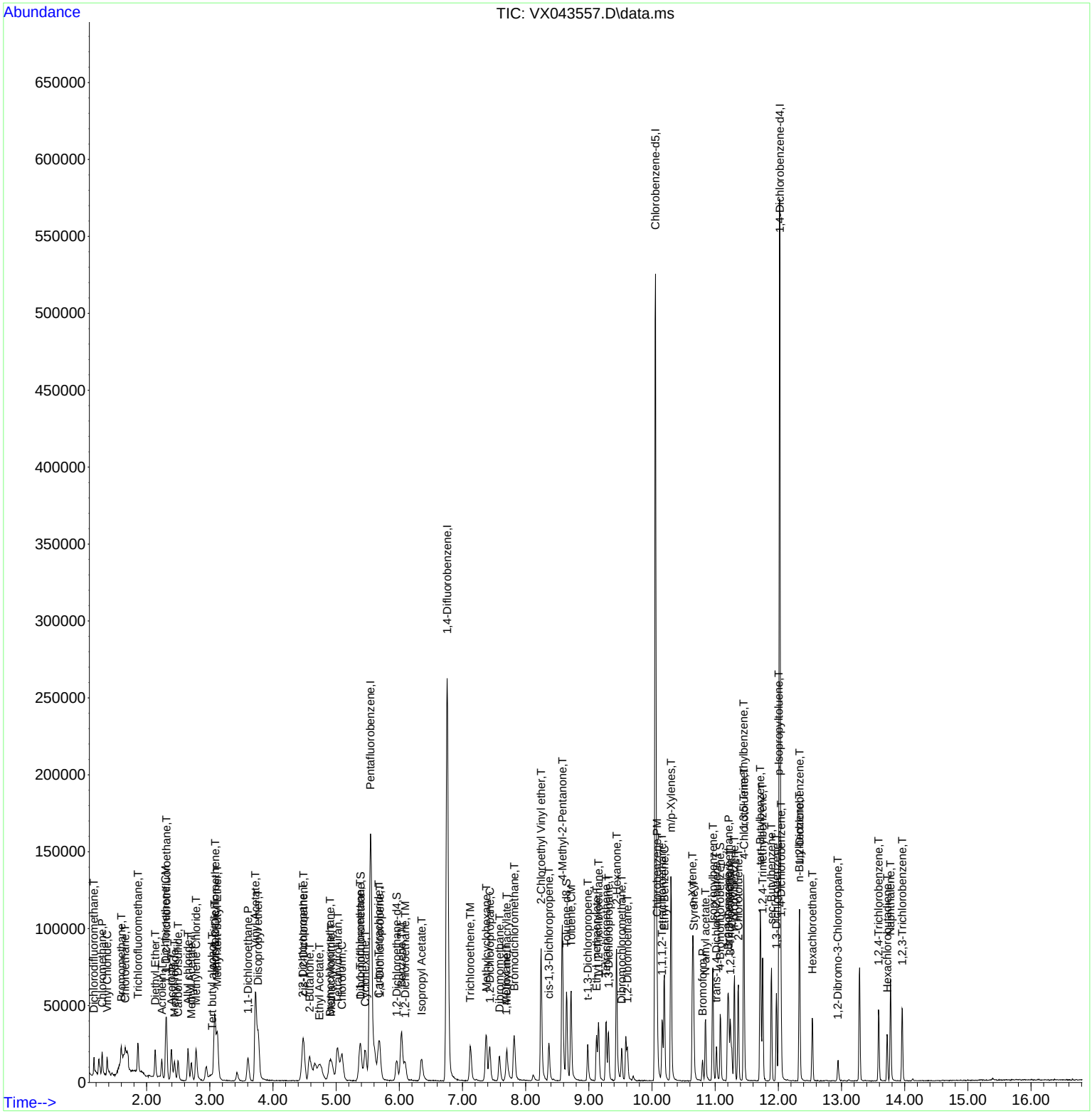
(#) = qualifier out of range (m) = manual integration (+) = signals summed

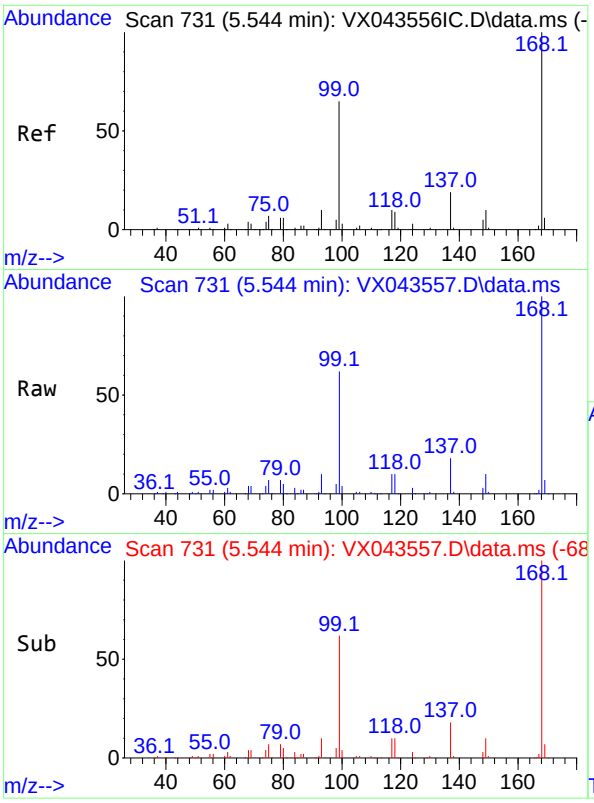
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration



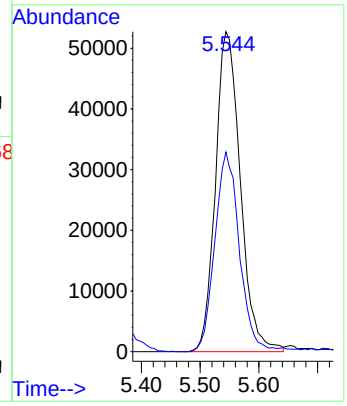


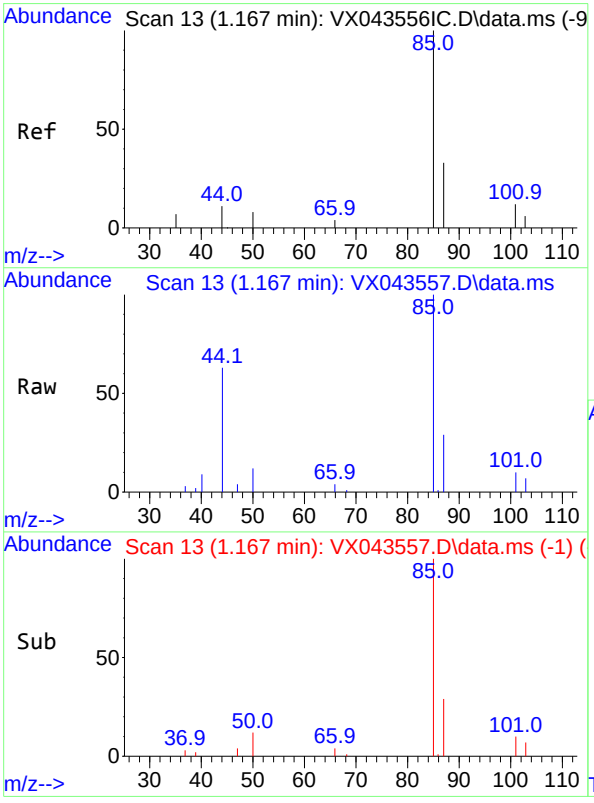
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 155093

Ion	Ratio	Lower	Upper
168	100		
99	62.3	52.6	78.8

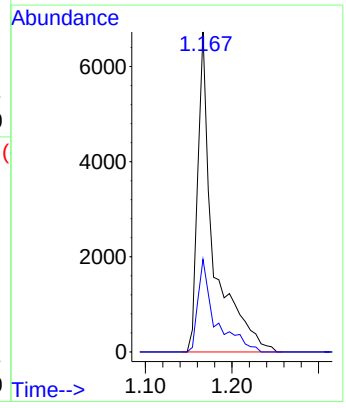


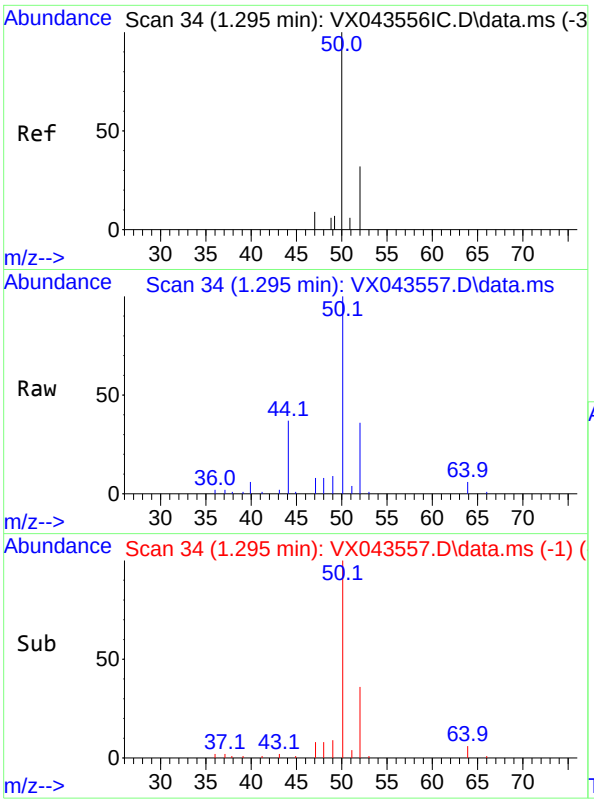


#2
Dichlorodifluoromethane
Concen: 4.962 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 85 Resp: 8579

Ion	Ratio	Lower	Upper
85	100		
87	28.9	15.7	47.0



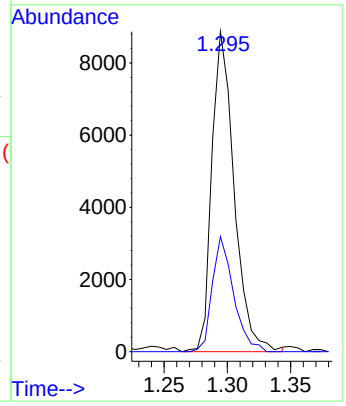


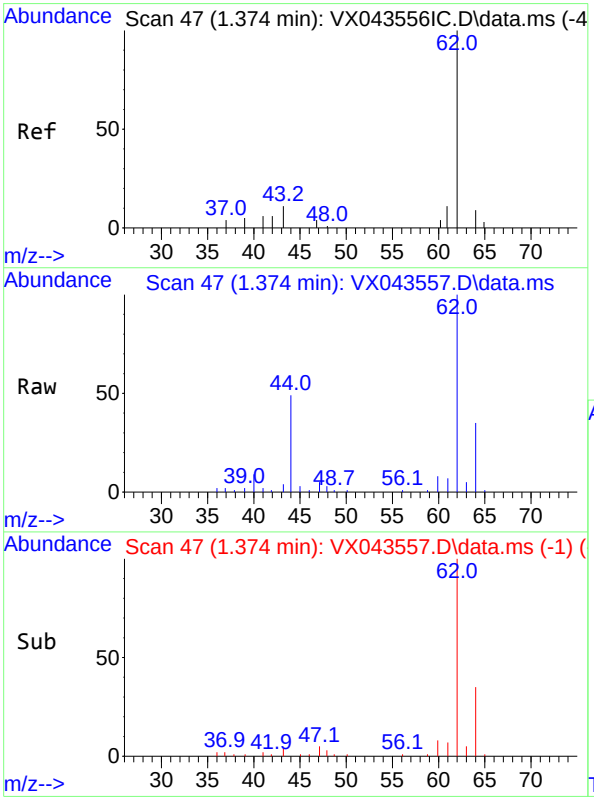
#3
Chloromethane
Concen: 4.942 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10900

Ion	Ratio	Lower	Upper
50	100		
52	36.0	26.3	39.5

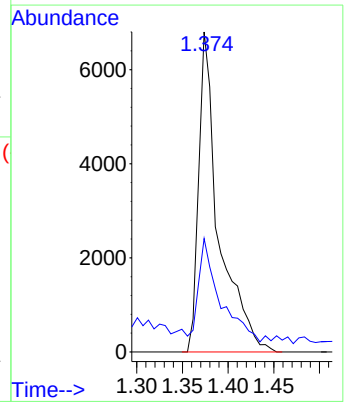


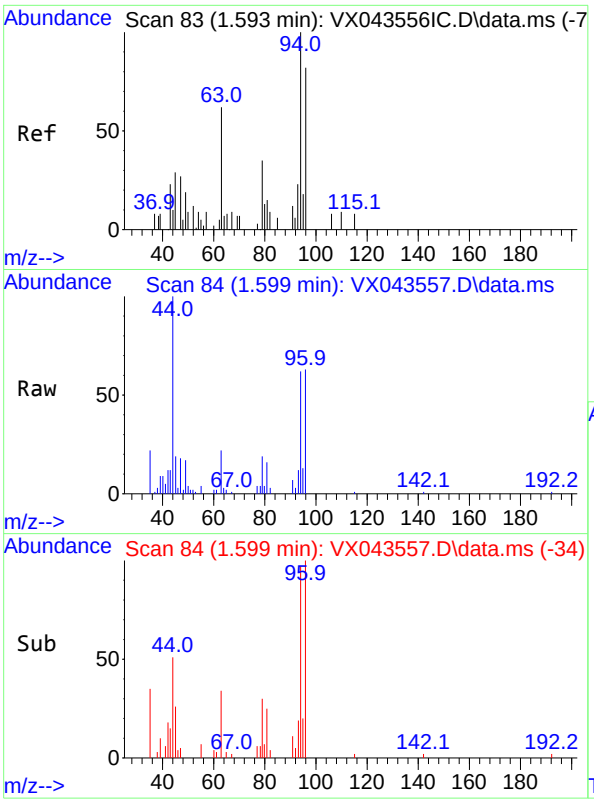


#4
Vinyl Chloride
Concen: 5.202 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 62 Resp: 10451

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.0	37.4



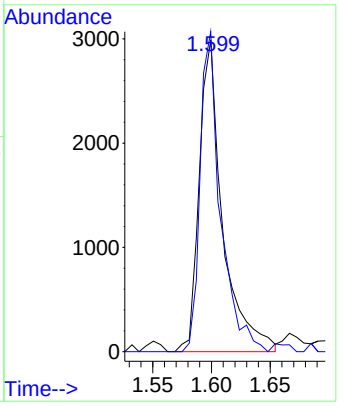


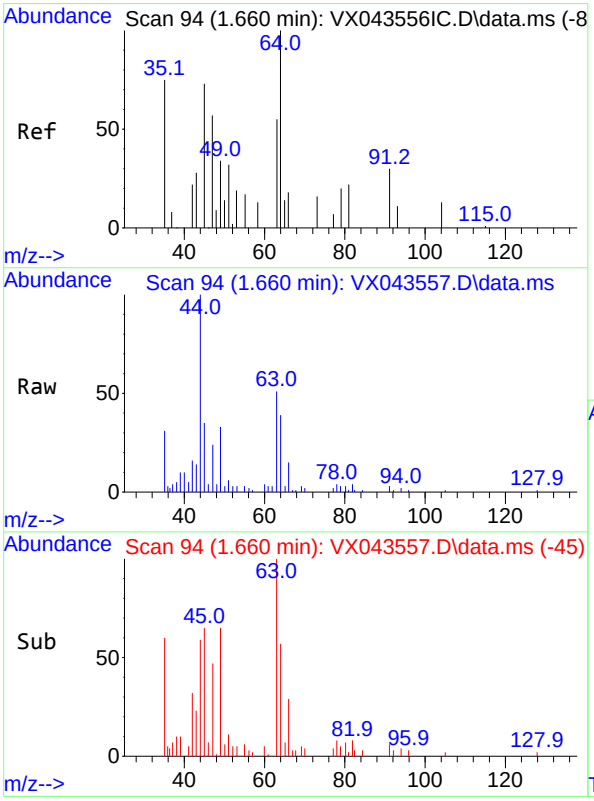
#5
Bromomethane
Concen: 5.271 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 4136

Ion	Ratio	Lower	Upper
94	100		
96	102.6	75.9	113.9

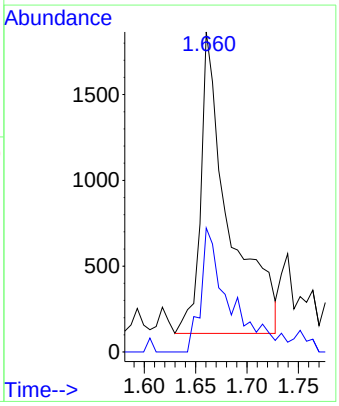


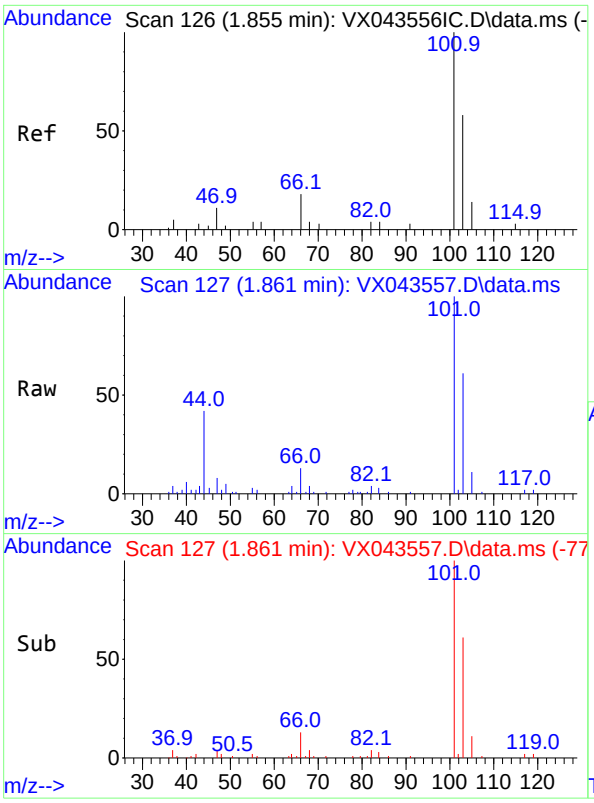


#6
Chloroethane
Concen: 5.066 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 64 Resp: 3330

Ion	Ratio	Lower	Upper
64	100		
66	41.1	25.1	37.7#



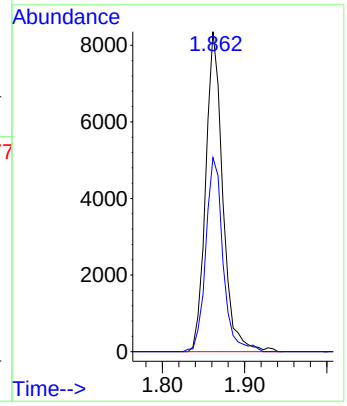


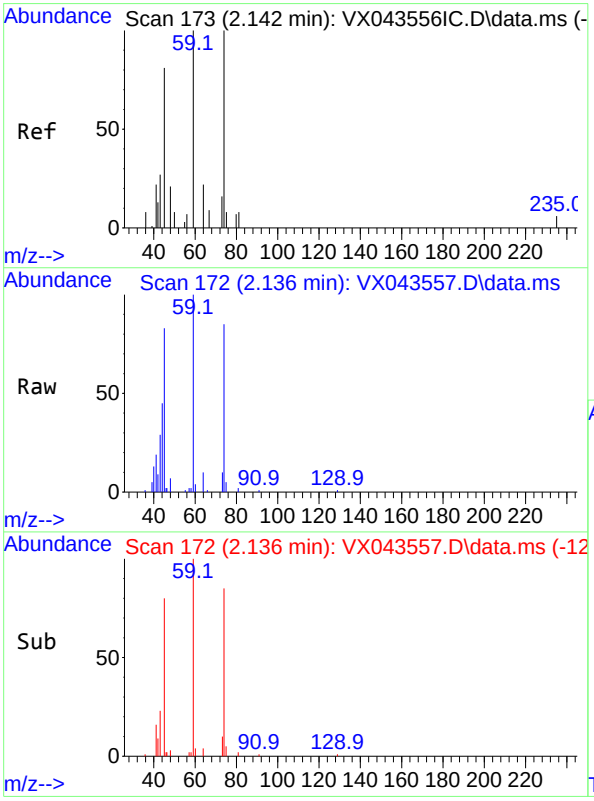
#7
Trichlorofluoromethane
Concen: 4.565 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 12037

Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.3	76.9

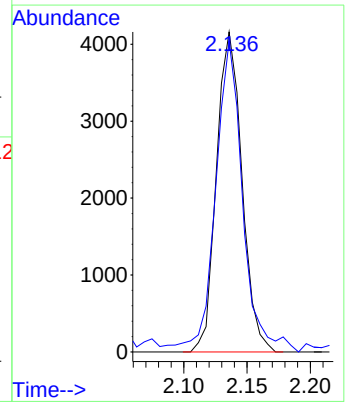


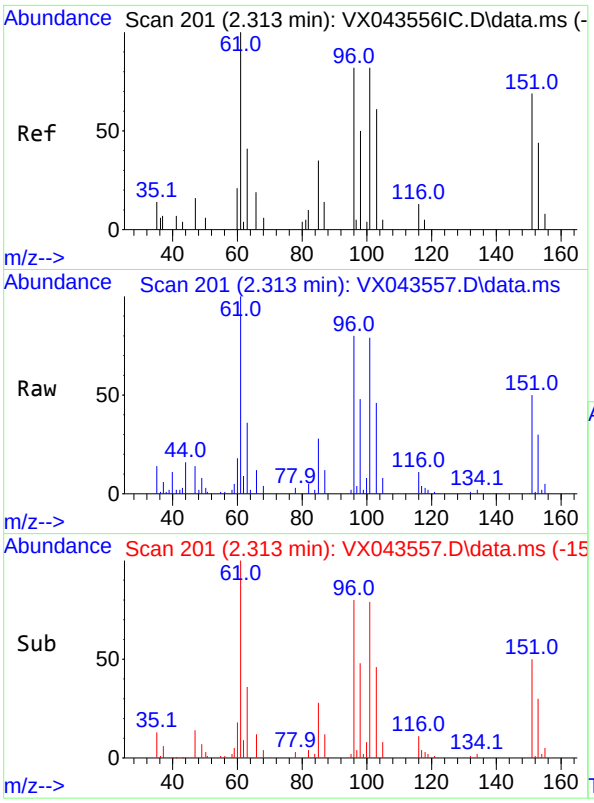


#8
Diethyl Ether
Concen: 5.055 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 74 Resp: 5822

Ion	Ratio	Lower	Upper
74	100		
45	103.4	47.5	142.5



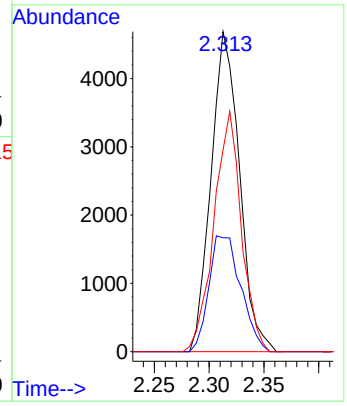


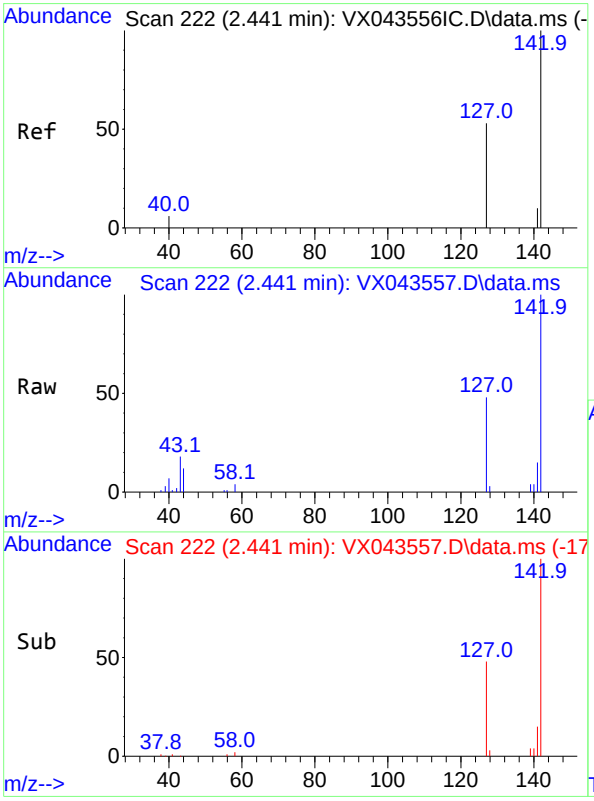
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.091 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8472

Ion	Ratio	Lower	Upper
101	100		
85	40.6	34.5	51.7
151	72.2	58.2	87.2

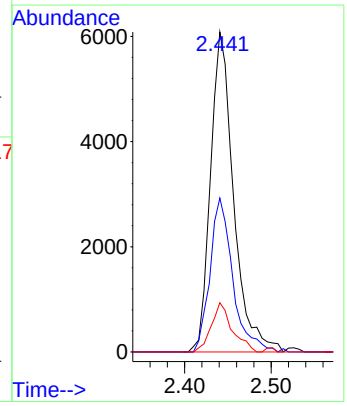


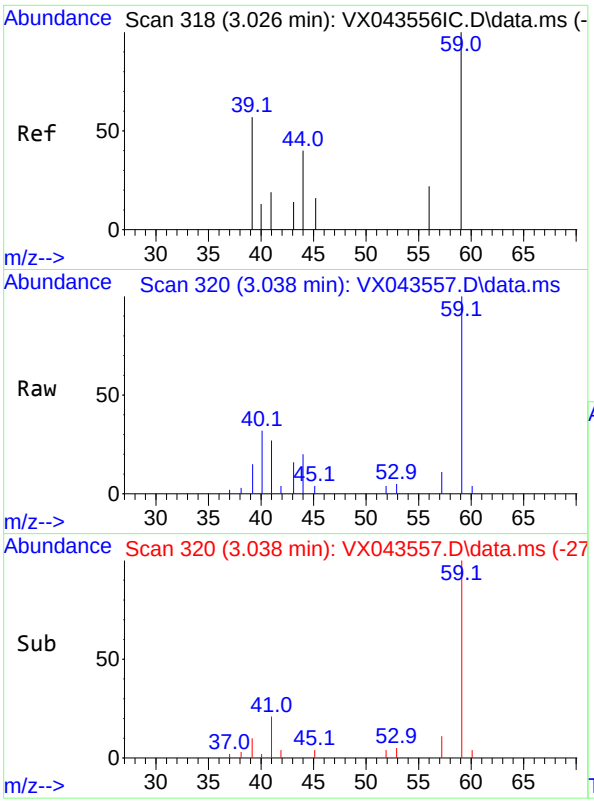


#10
Methyl Iodide
Concen: 4.886 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:142 Resp: 11260

Ion	Ratio	Lower	Upper
142	100		
127	47.6	38.2	57.4
141	14.0	11.5	17.3



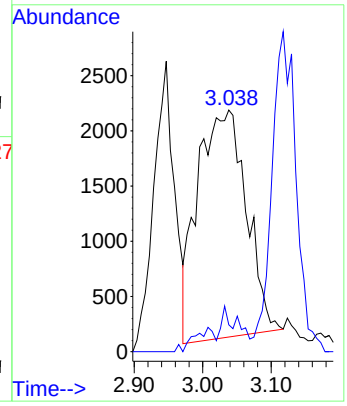


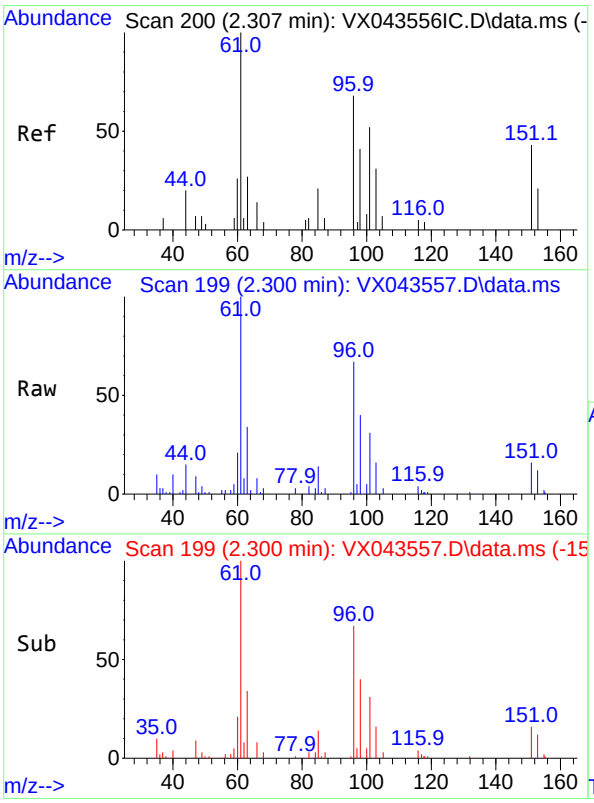
#11
Tert butyl alcohol
Concen: 19.389 ug/l
RT: 3.038 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 10188

Ion	Ratio	Lower	Upper
59	100		
57	3.9	0.0	0.0#

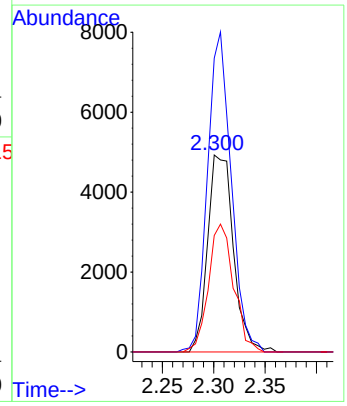


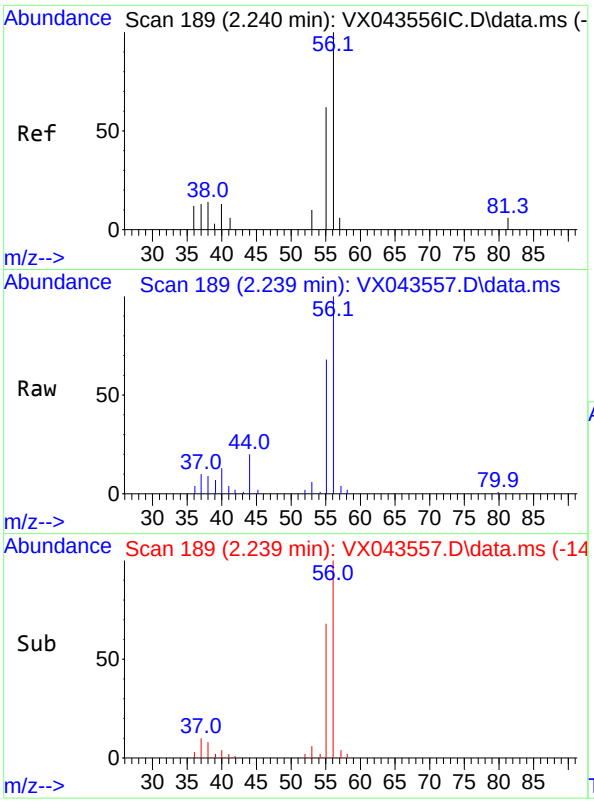


#12
1,1-Dichloroethene
Concen: 5.260 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 96 Resp: 8606

Ion	Ratio	Lower	Upper
96	100		
61	149.1	130.2	195.4
98	59.2	51.0	76.6



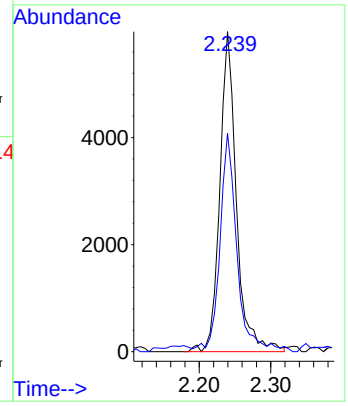


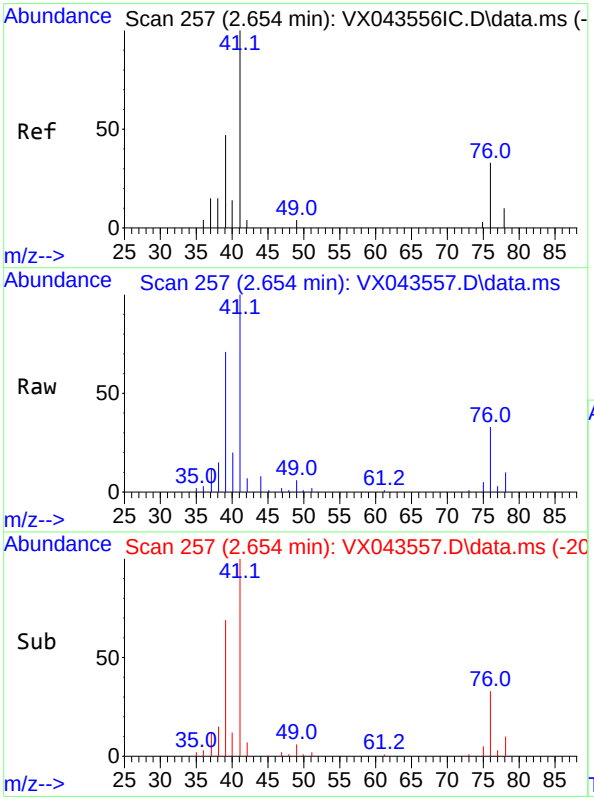
#13
Acrolein
Concen: 23.207 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9609

Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.3	82.9

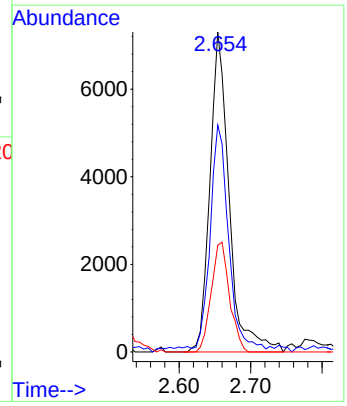


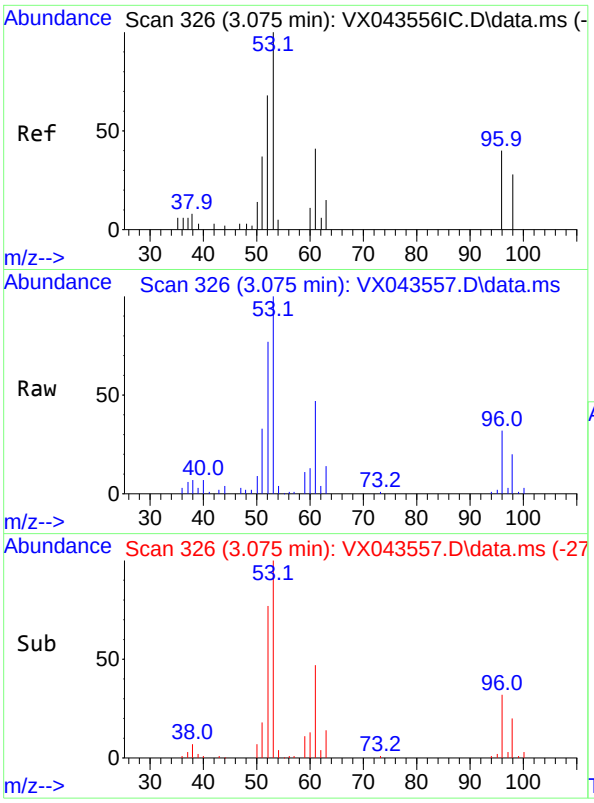


#14
Allyl chloride
Concen: 4.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 13656

Ion	Ratio	Lower	Upper
41	100		
39	70.7	53.2	79.8
76	32.5	27.0	40.6



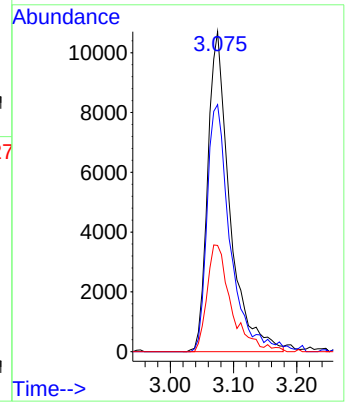


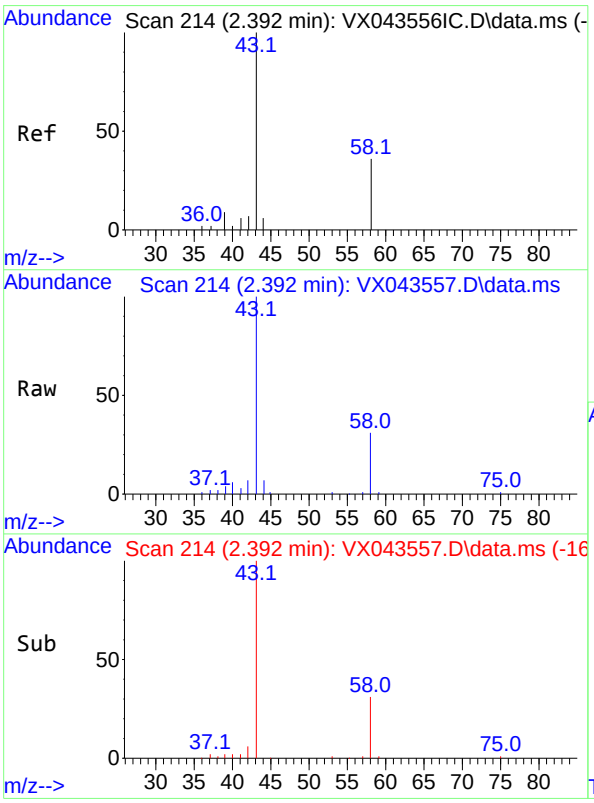
#15
Acrylonitrile
Concen: 22.307 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 25966

Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.6
51	35.7	28.5	42.7

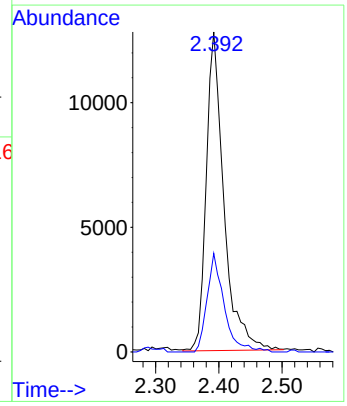


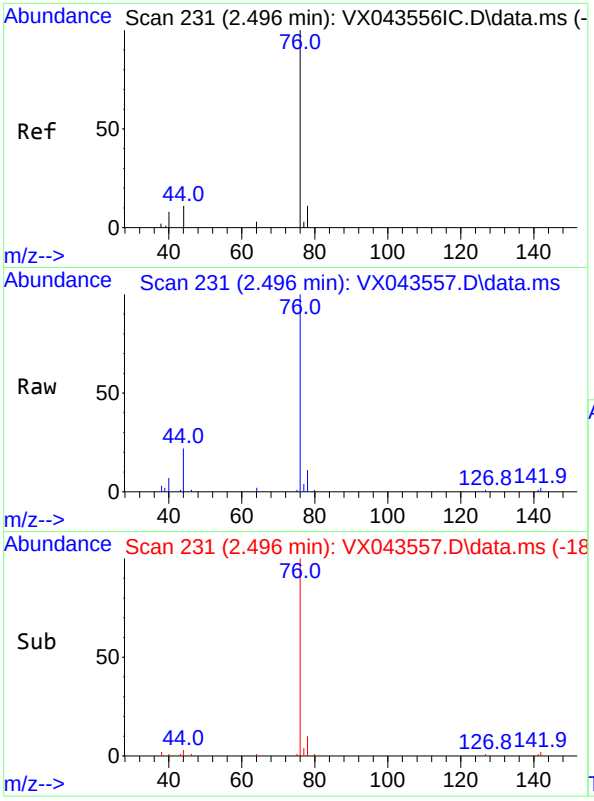


#16
Acetone
Concen: 23.644 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 24830

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.1	37.7



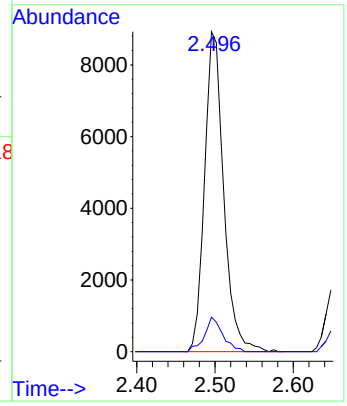


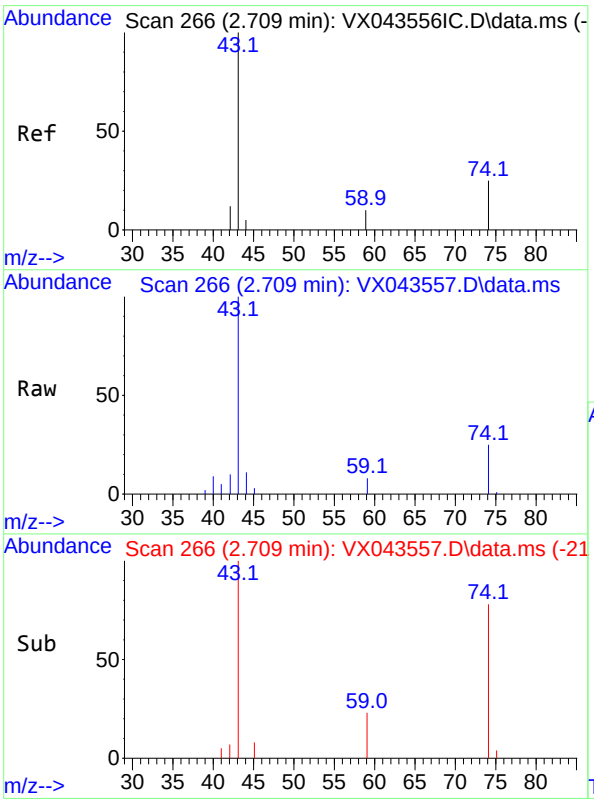
#17
Carbon Disulfide
Concen: 4.462 ug/l
RT: 2.496 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 15112

Ion	Ratio	Lower	Upper
76	100		
78	10.8	7.1	10.7#

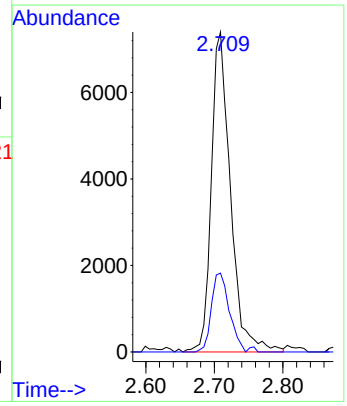


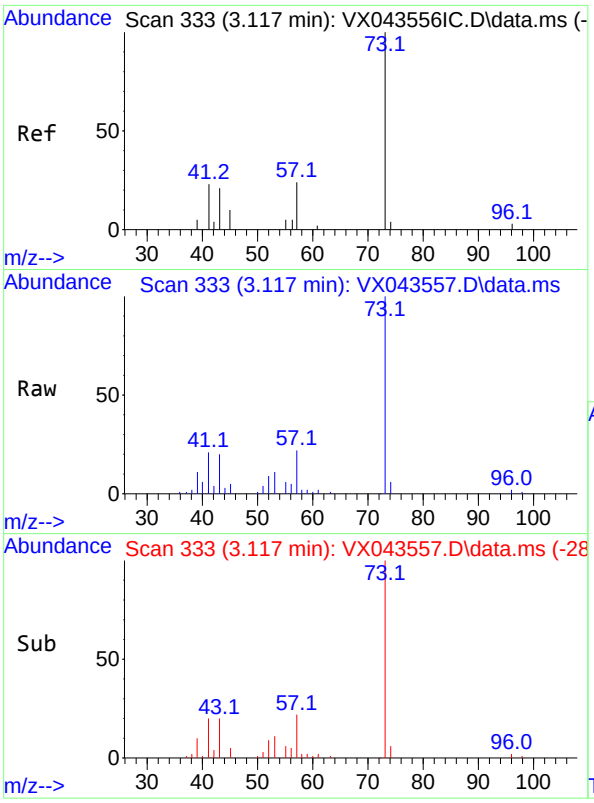


#18
Methyl Acetate
Concen: 4.552 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 14366

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.1	28.7



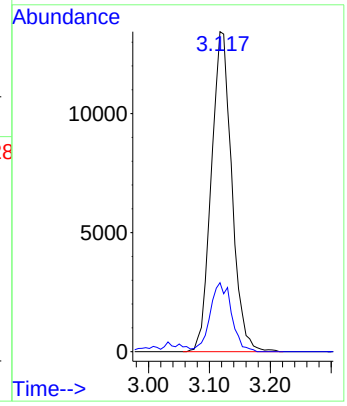


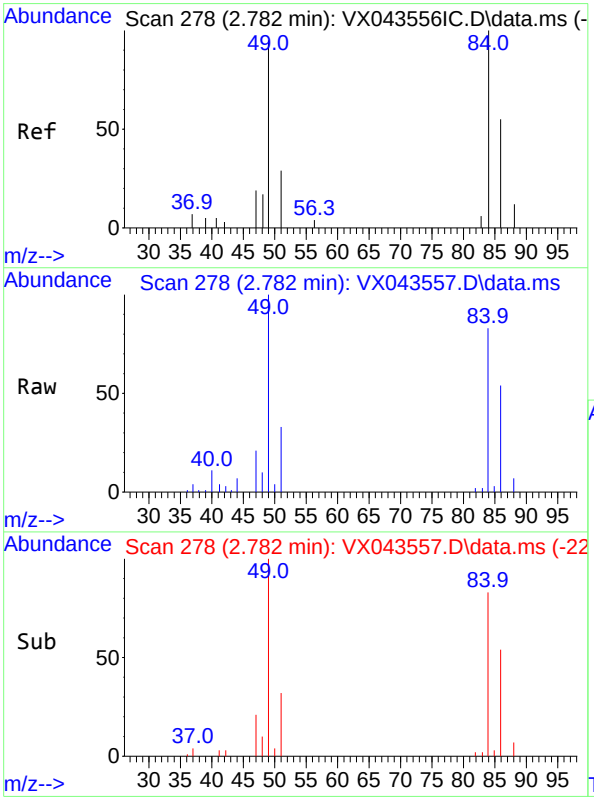
#19
Methyl tert-butyl Ether
Concen: 4.934 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 31411

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

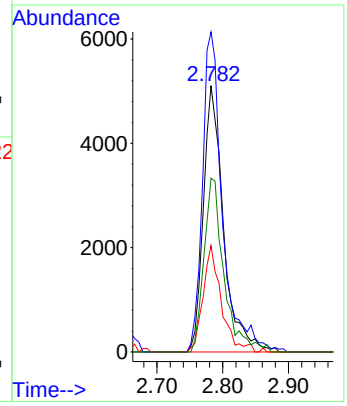


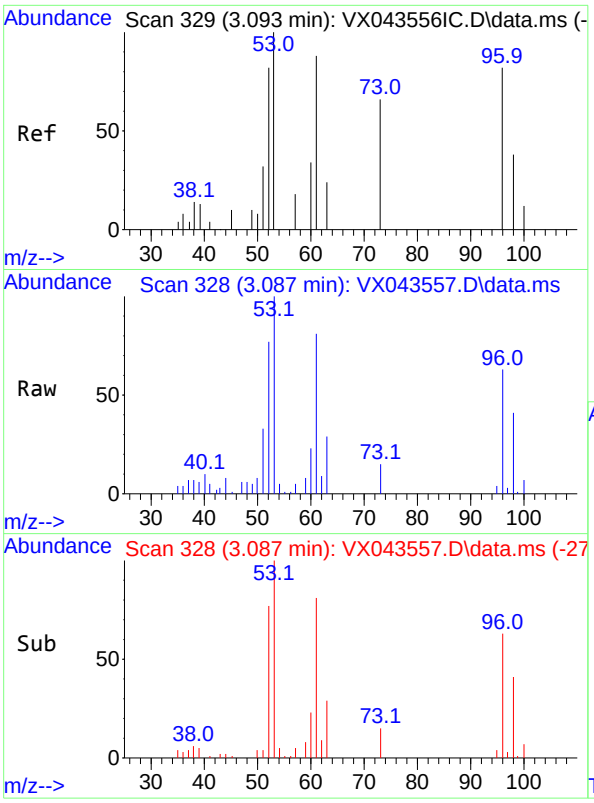


#20
Methylene Chloride
Concen: 5.284 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 84 Resp: 10845

Ion	Ratio	Lower	Upper
84	100		
49	120.2	97.0	145.6
51	40.0	29.8	44.8
86	65.3	53.1	79.7



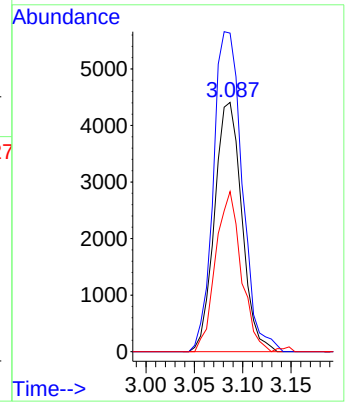


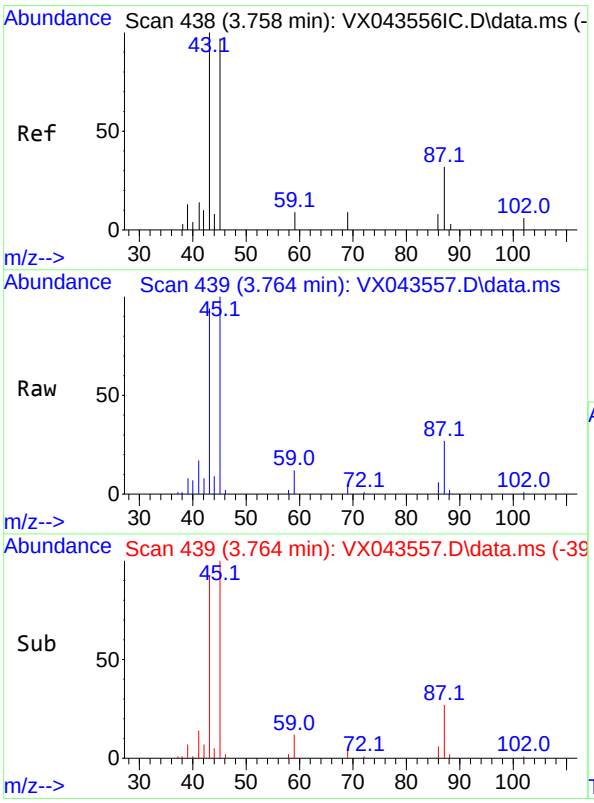
#21
trans-1,2-Dichloroethene
Concen: 4.877 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8639

Ion	Ratio	Lower	Upper
96	100		
61	127.8	107.1	160.7
98	64.2	47.7	71.5

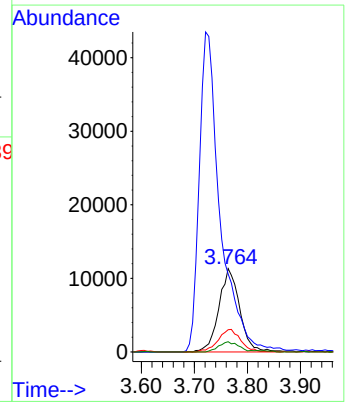


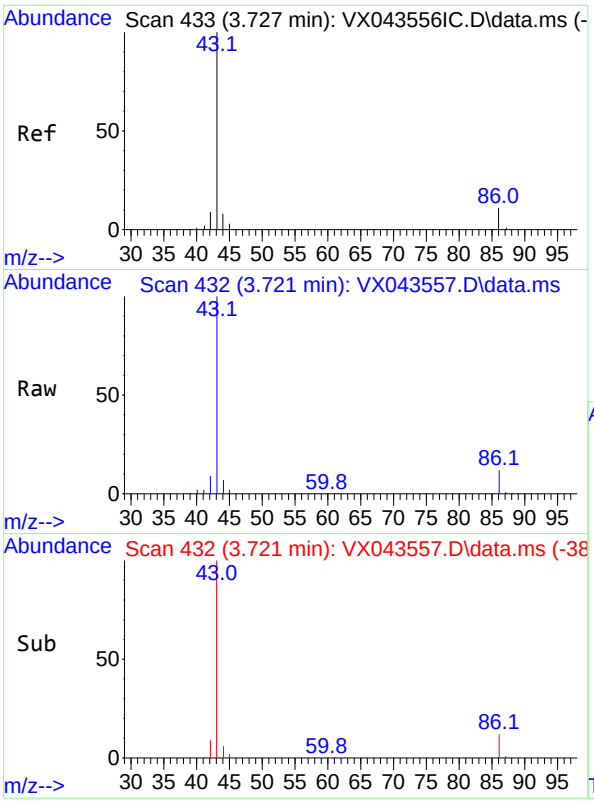


#22
Diisopropyl ether
Concen: 5.154 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 45 Resp: 30888

Ion	Ratio	Lower	Upper
45	100		
43	93.5	60.6	90.8#
87	26.6	22.0	33.0
59	12.4	9.5	14.3



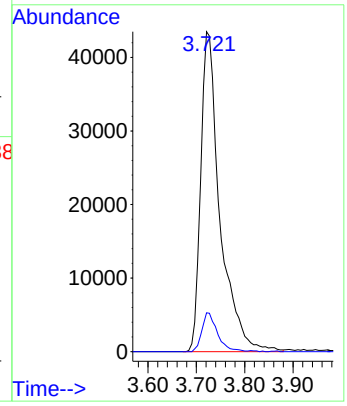


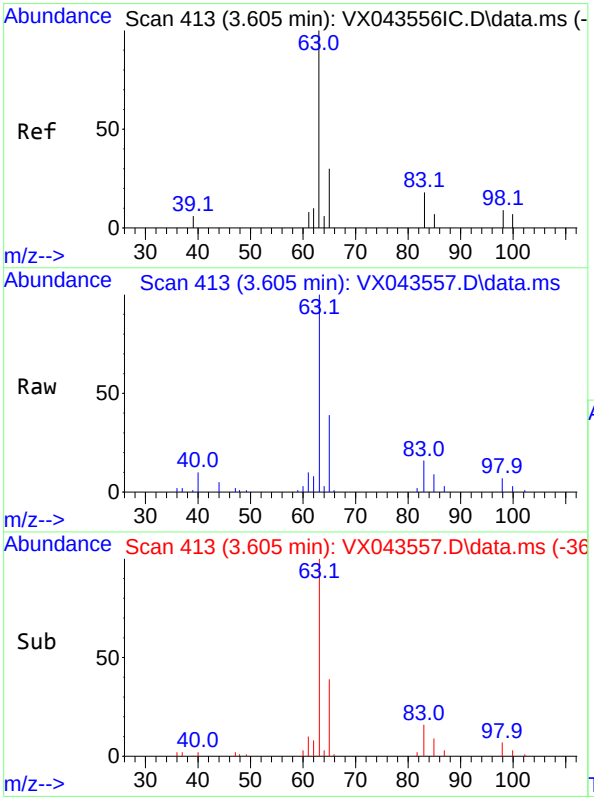
#23
Vinyl Acetate
Concen: 24.227 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 119942

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.0	13.4

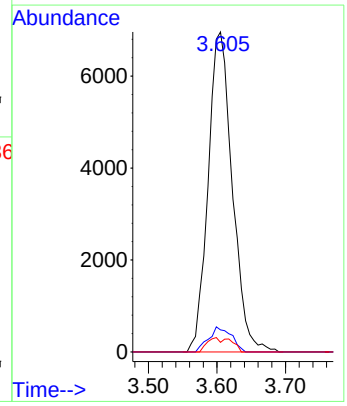


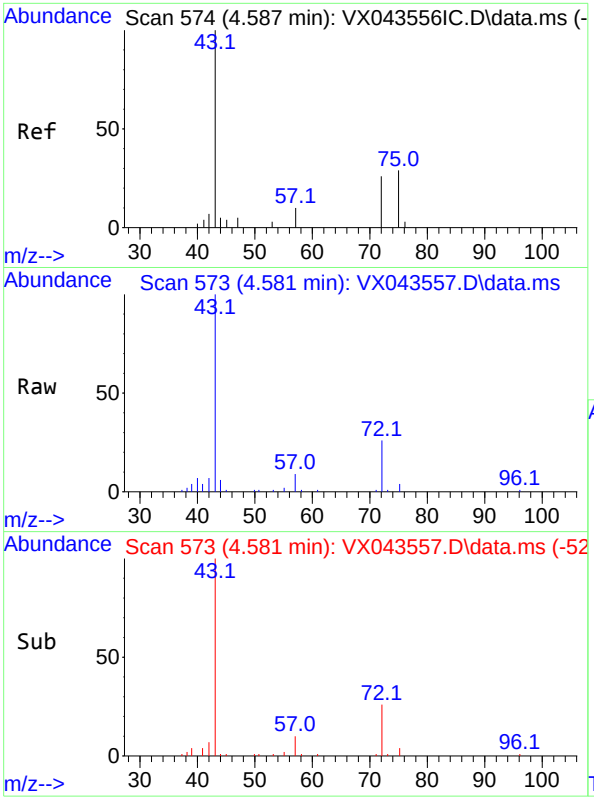


#24
1,1-Dichloroethane
Concen: 5.072 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 63 Resp: 17144

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	3.0	2.4	7.2



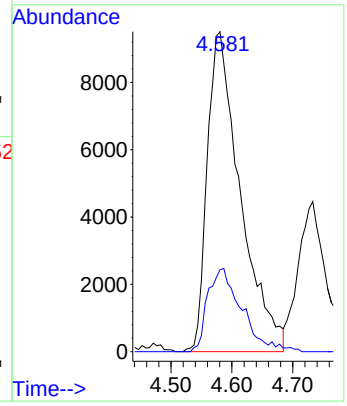


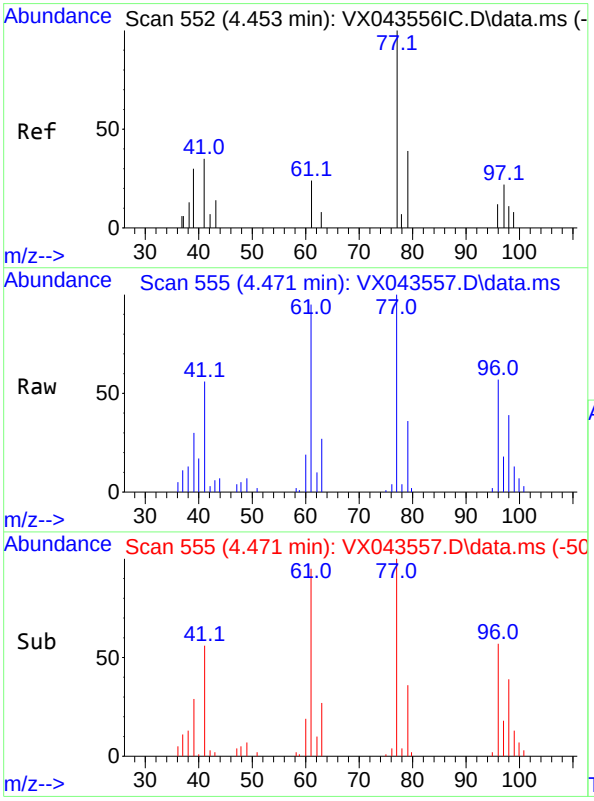
#25
2-Butanone
Concen: 22.456 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 35818

Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.1	31.7

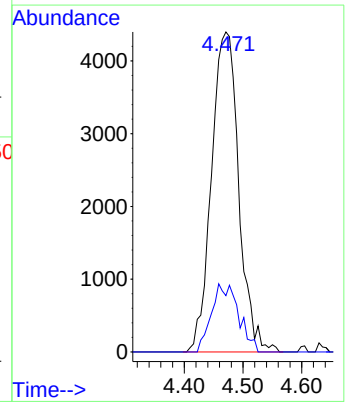


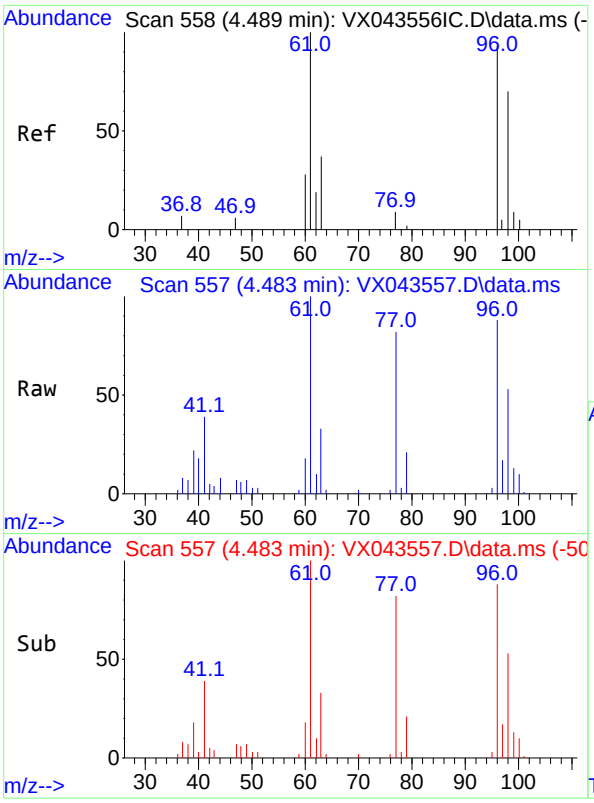


#26
2,2-Dichloropropane
Concen: 5.820 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 77 Resp: 14180

Ion	Ratio	Lower	Upper
77	100		
97	21.1	11.6	34.8



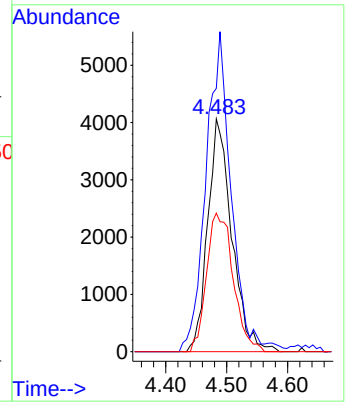


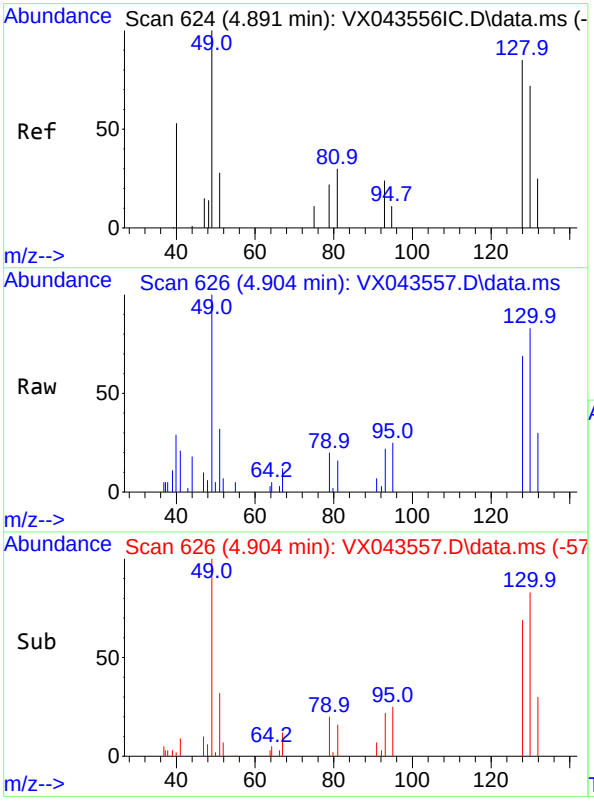
#27
cis-1,2-Dichloroethene
Concen: 5.055 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11158

Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	277.2
98	65.8	0.0	131.6

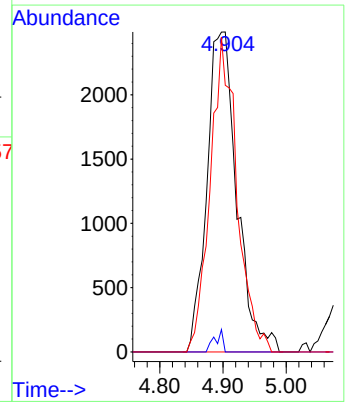


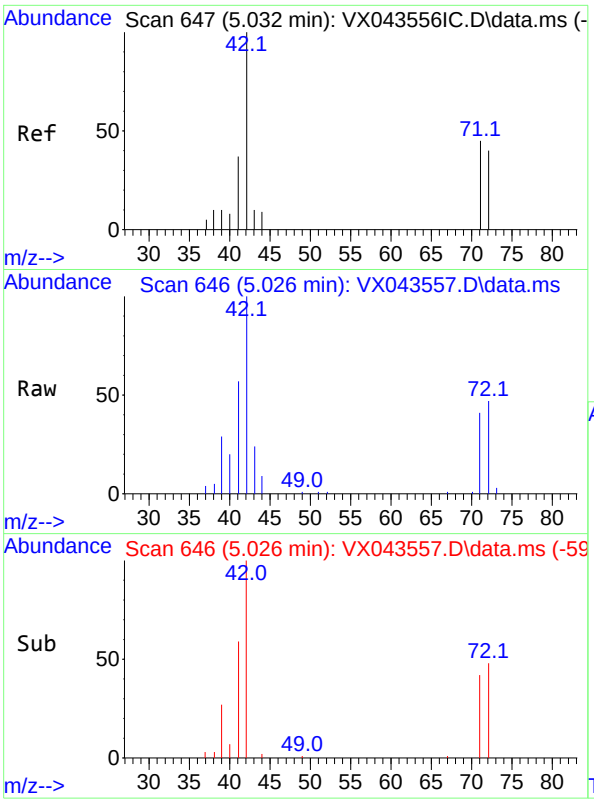


#28
Bromochloromethane
Concen: 4.909 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 49 Resp: 8209

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	87.5	67.8	101.8



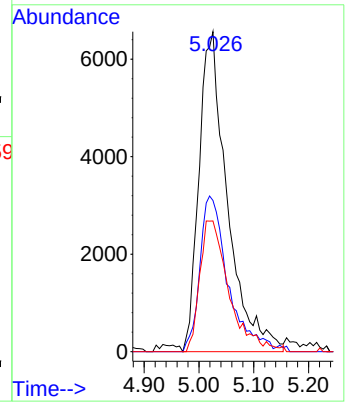


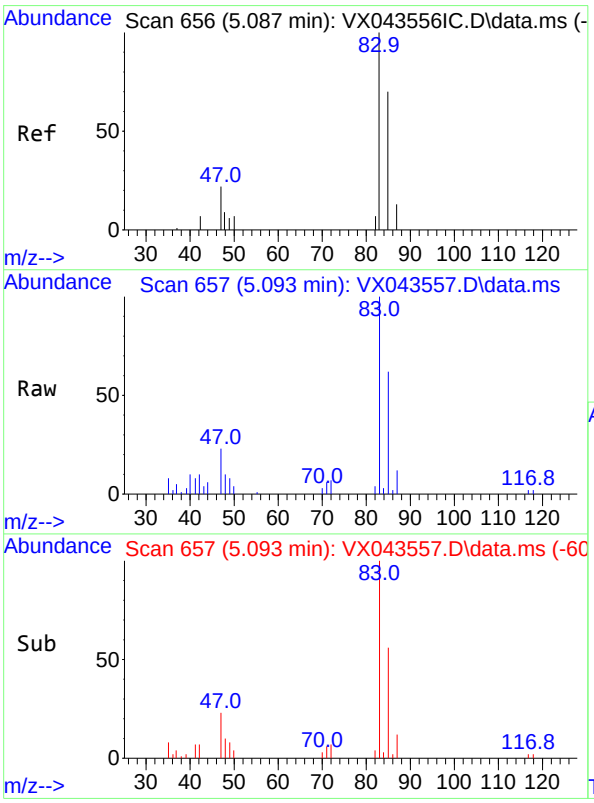
#29
Tetrahydrofuran
Concen: 22.684 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 23624

Ion	Ratio	Lower	Upper
42	100		
72	48.3	36.6	55.0
71	41.0	34.2	51.4

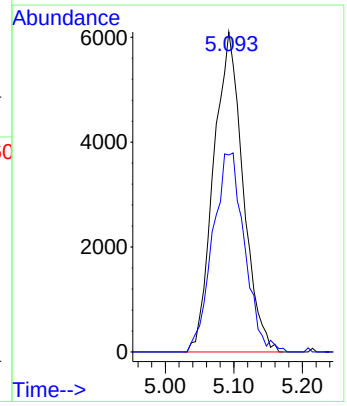


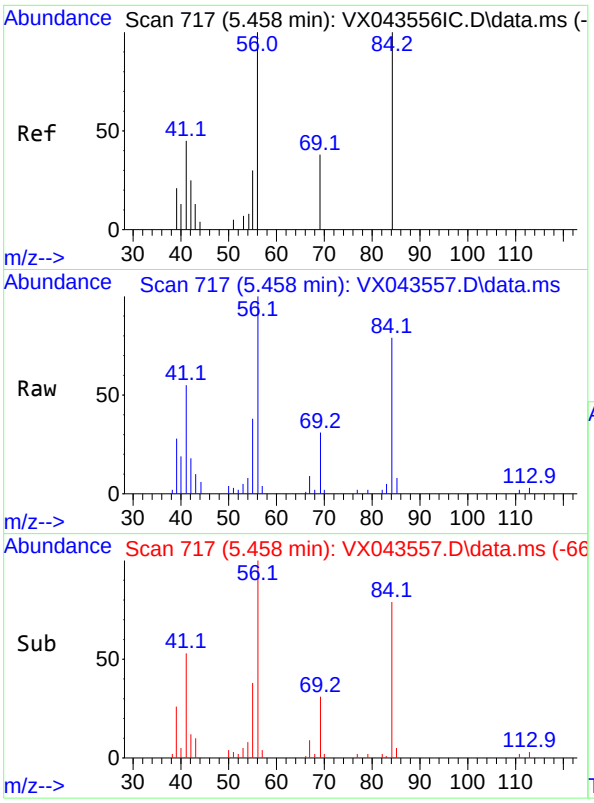


#30
Chloroform
Concen: 5.019 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 83 Resp: 18141

Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.2	78.4



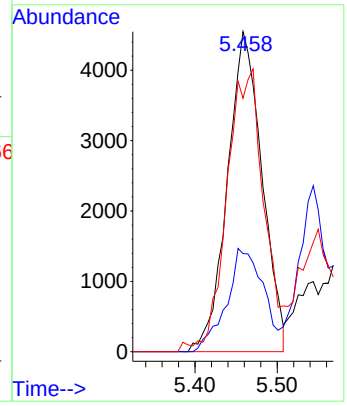


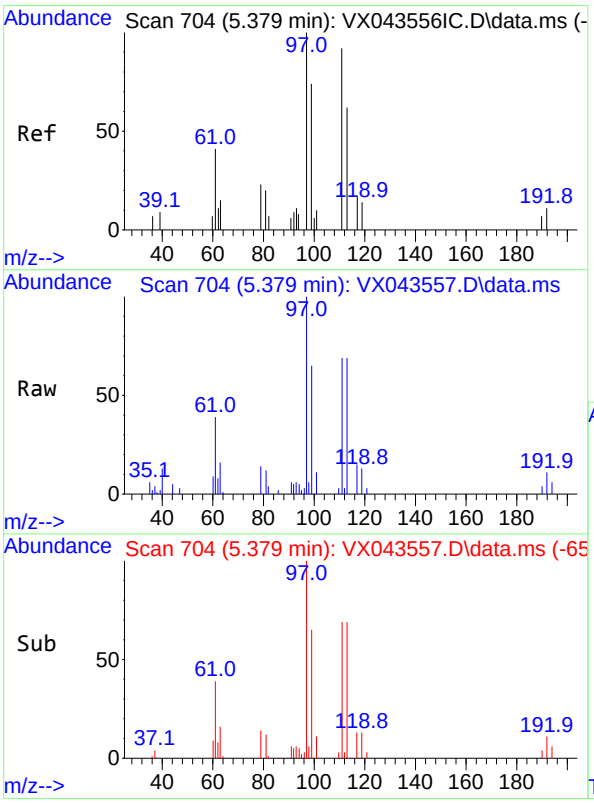
#31
Cyclohexane
Concen: 4.972 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13335

Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.9	37.3
84	76.3	73.3	109.9

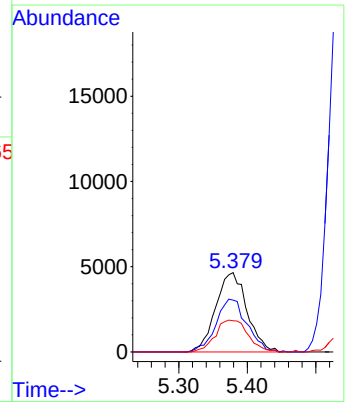


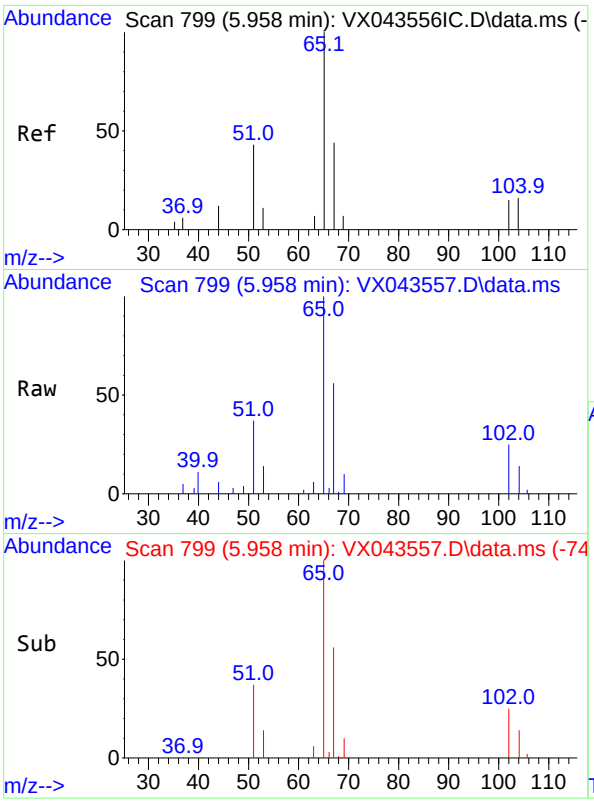


#32
1,1,1-Trichloroethane
Concen: 4.846 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 97 Resp: 14721

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.4	77.0
61	41.9	34.0	51.0



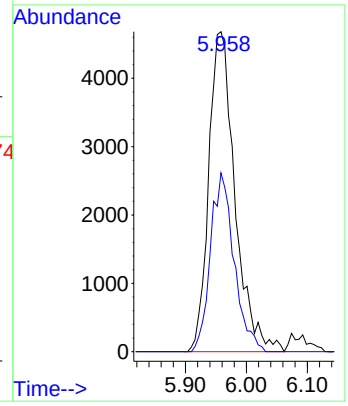


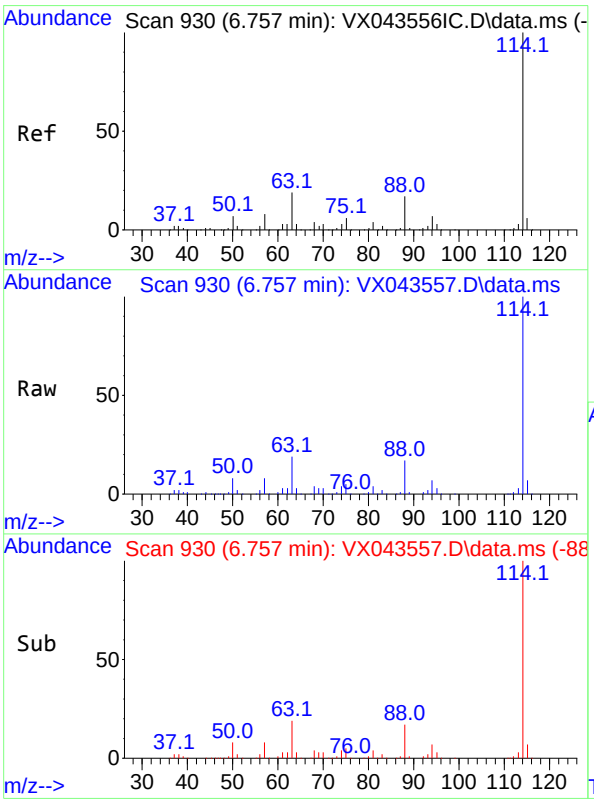
#33
1,2-Dichloroethane-d4
Concen: 5.686 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13988

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.4

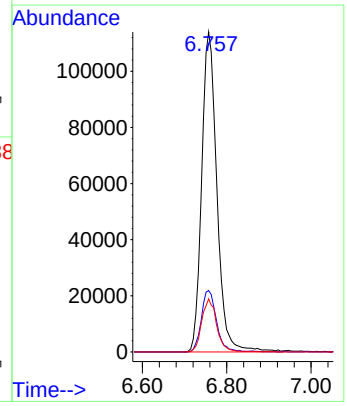


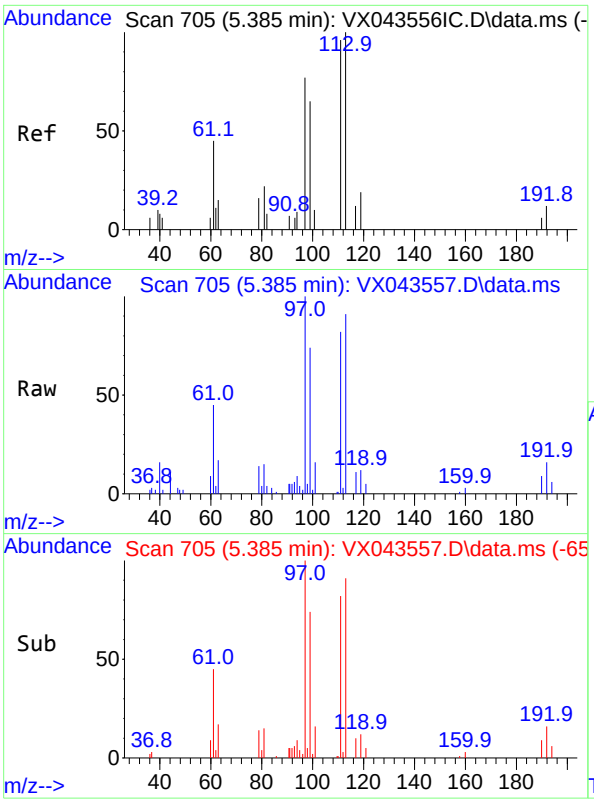


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:114 Resp: 287211

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	16.6	0.0	34.0



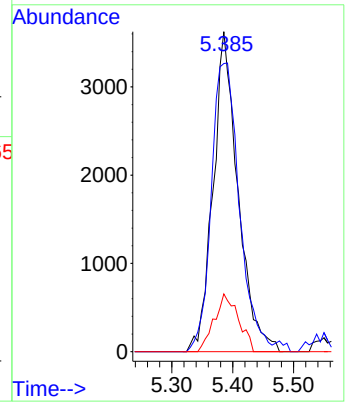


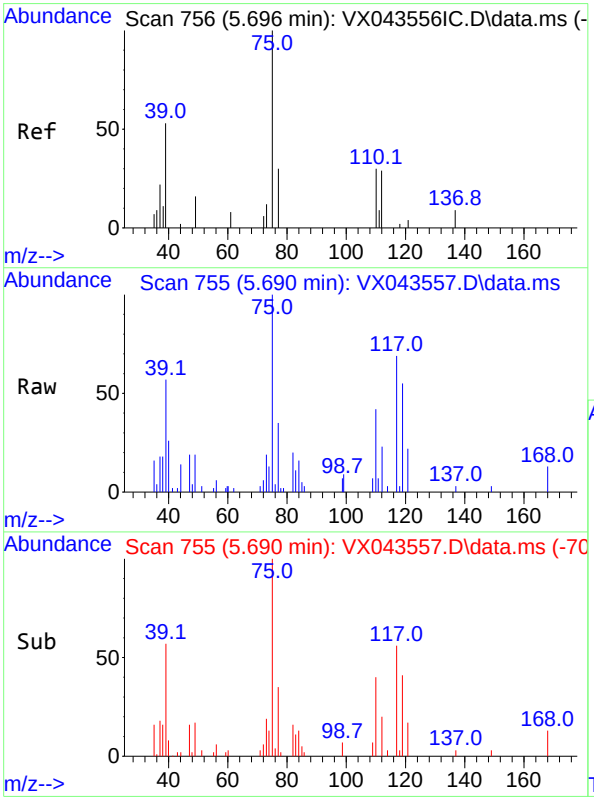
#35
Dibromofluoromethane
Concen: 5.373 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10276

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	17.5	14.1	21.1

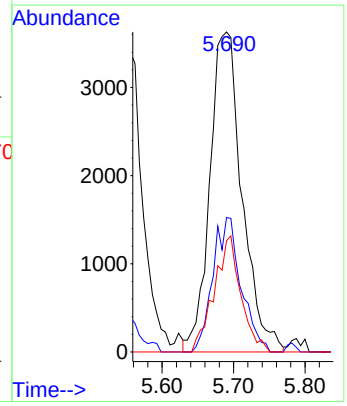


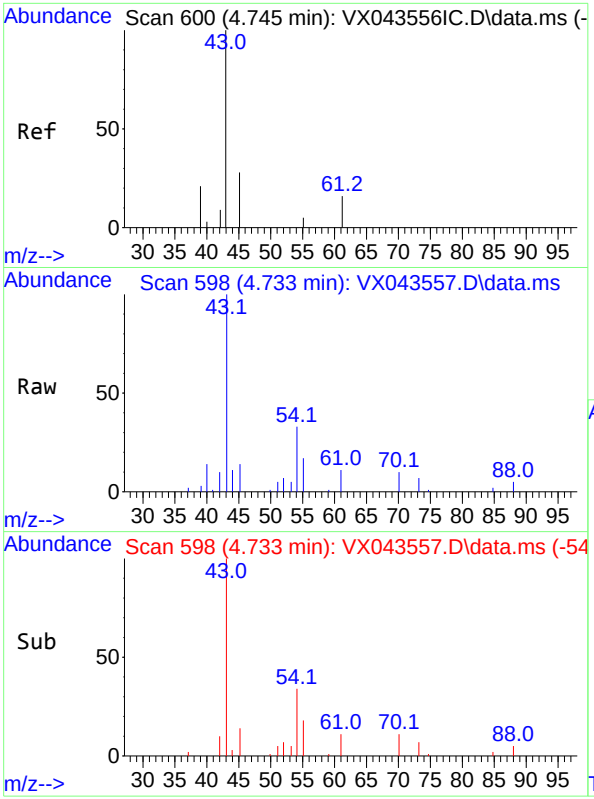


#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 11382

Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.9	53.7
77	30.0	25.0	37.4



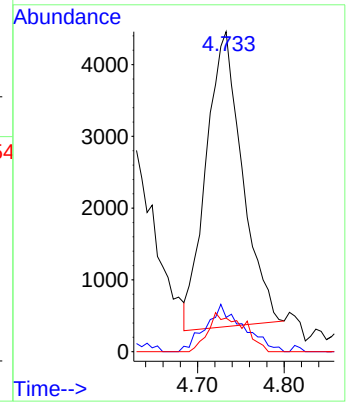


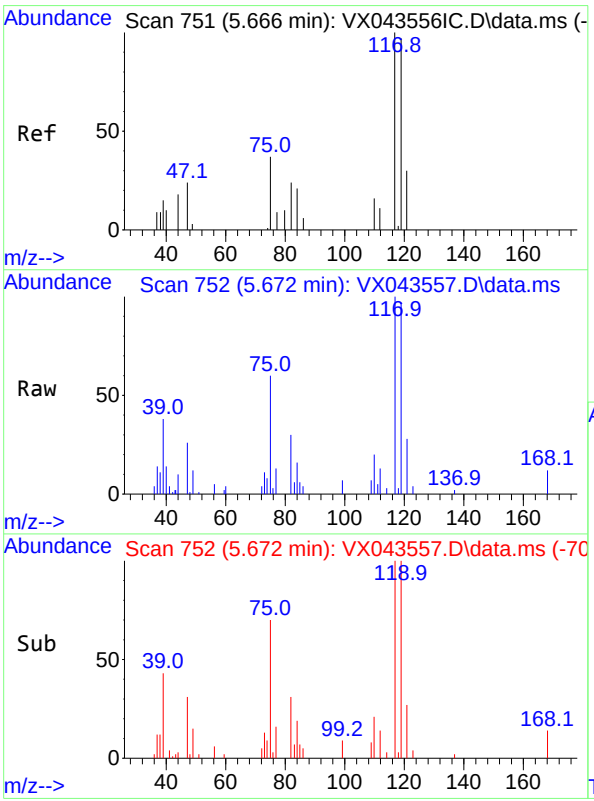
#37
Ethyl Acetate
Concen: 3.868 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11948

Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.0	16.6#
70	12.8	8.9	13.3

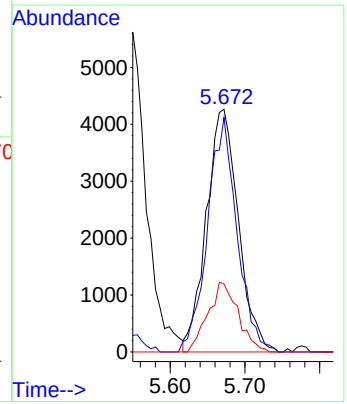


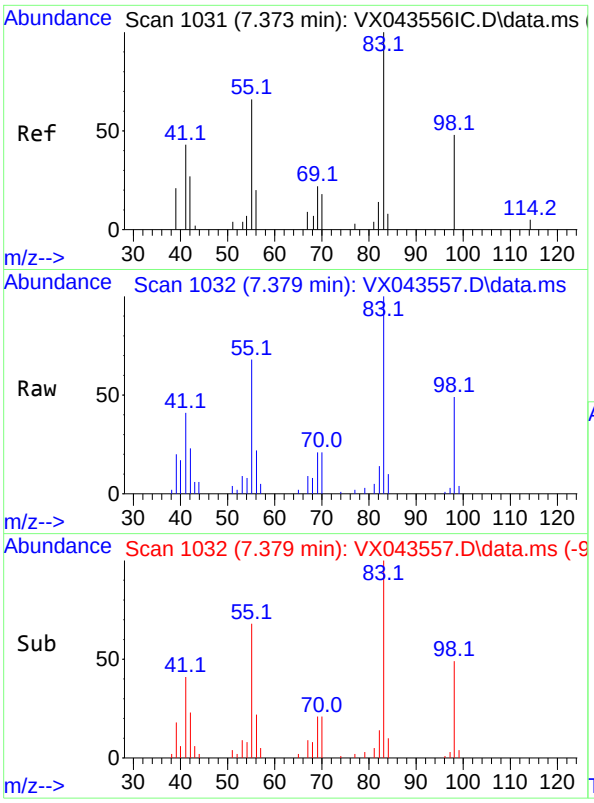


#38
Carbon Tetrachloride
Concen: 4.940 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:117 Resp: 12706

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
121	28.0	24.7	37.1



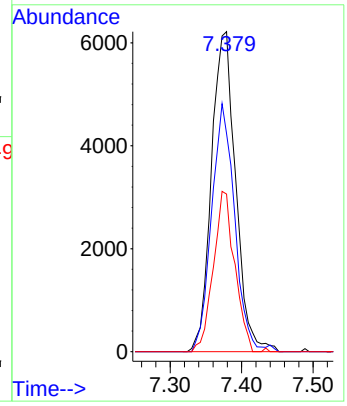


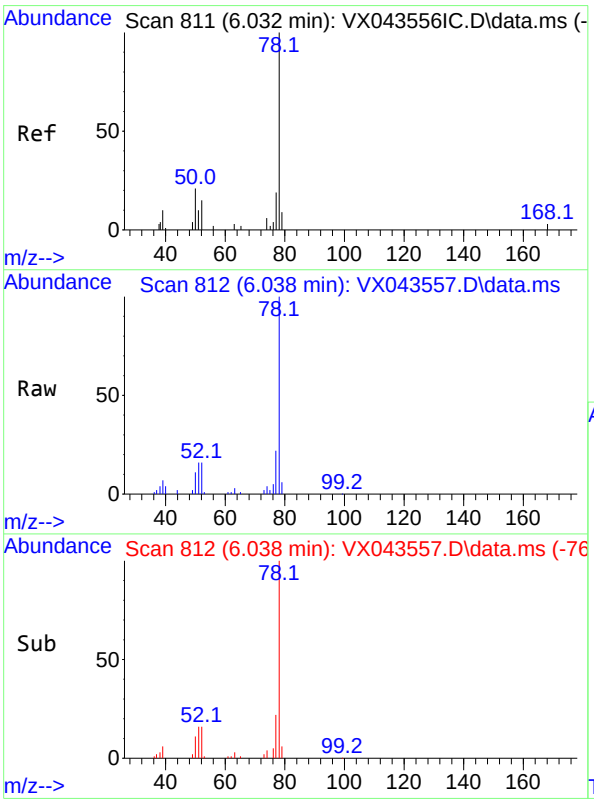
#39
Methylcyclohexane
Concen: 5.038 ug/l
RT: 7.379 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14623

Ion	Ratio	Lower	Upper
83	100		
55	68.1	59.9	89.9
98	49.3	41.3	61.9

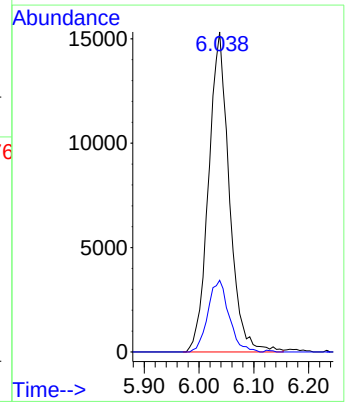


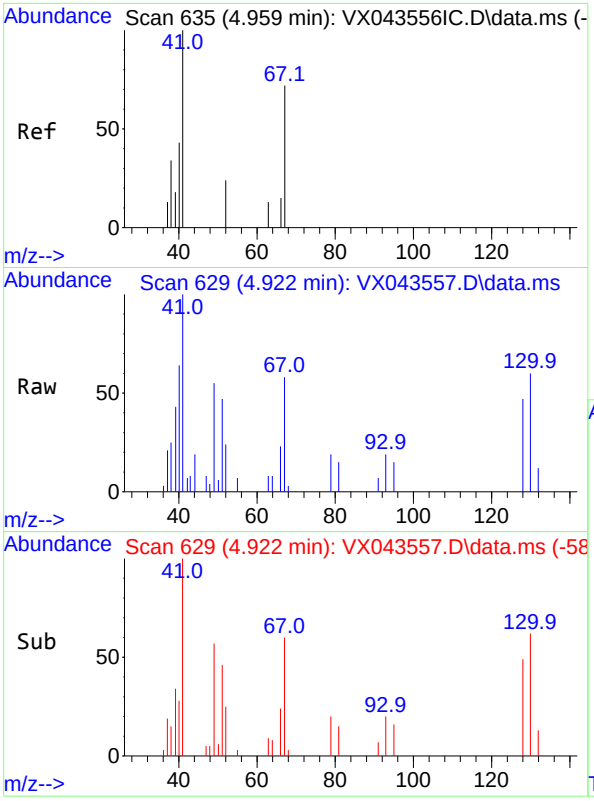


#40
Benzene
Concen: 5.300 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 78 Resp: 40098

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6



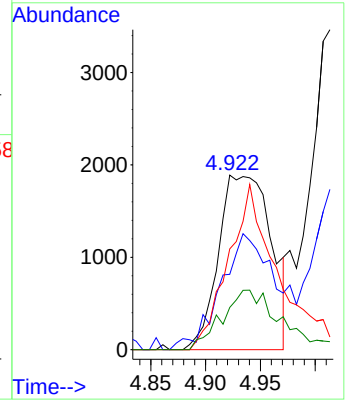


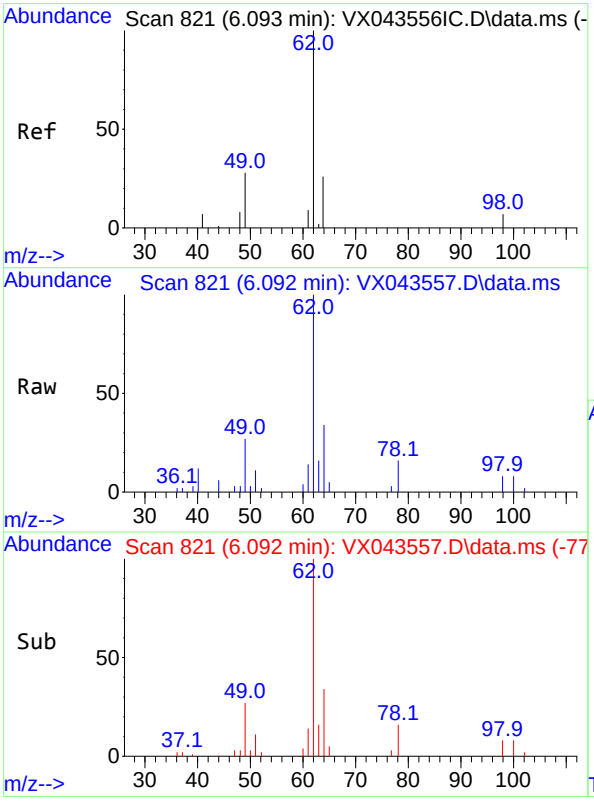
#41
Methacrylonitrile
Concen: 4.083 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 6345

Ion	Ratio	Lower	Upper
41	100		
39	70.3	43.5	65.3#
67	89.4	58.3	87.5#
52	38.6	24.6	37.0#

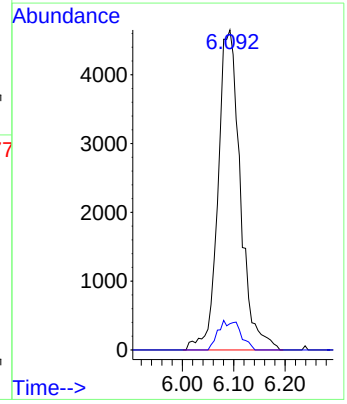


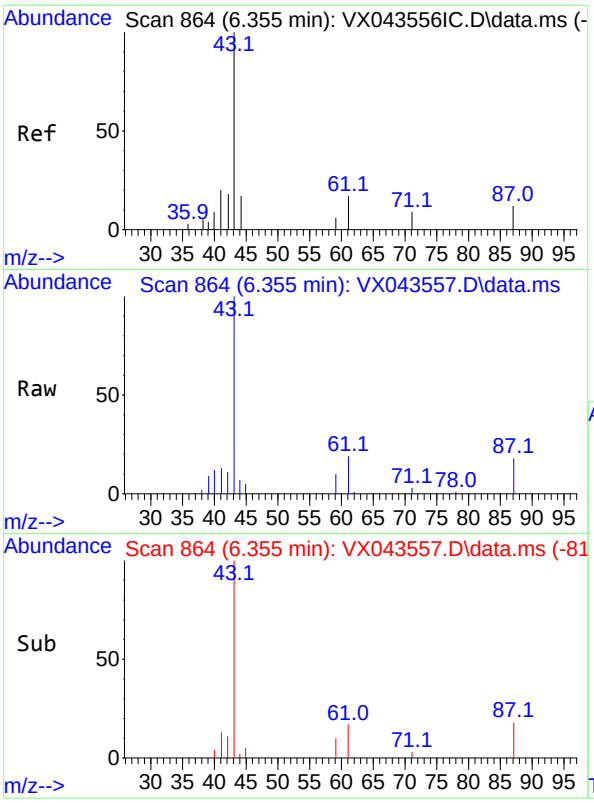


#42
1,2-Dichloroethane
Concen: 5.037 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 62 Resp: 14018

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8



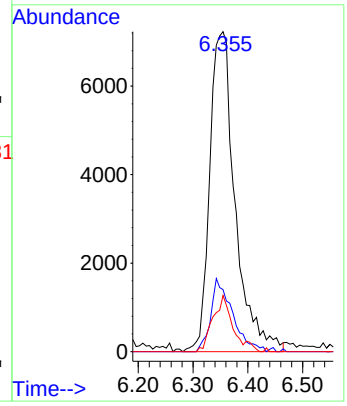


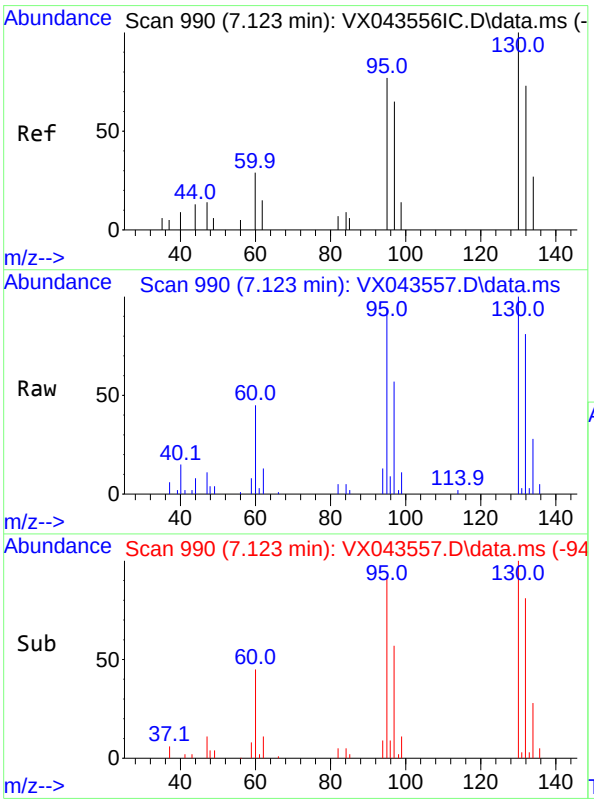
#43
Isopropyl Acetate
Concen: 4.756 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 23242

Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.2	24.4
87	13.9	11.0	16.6

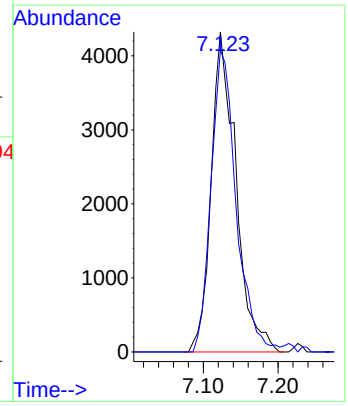


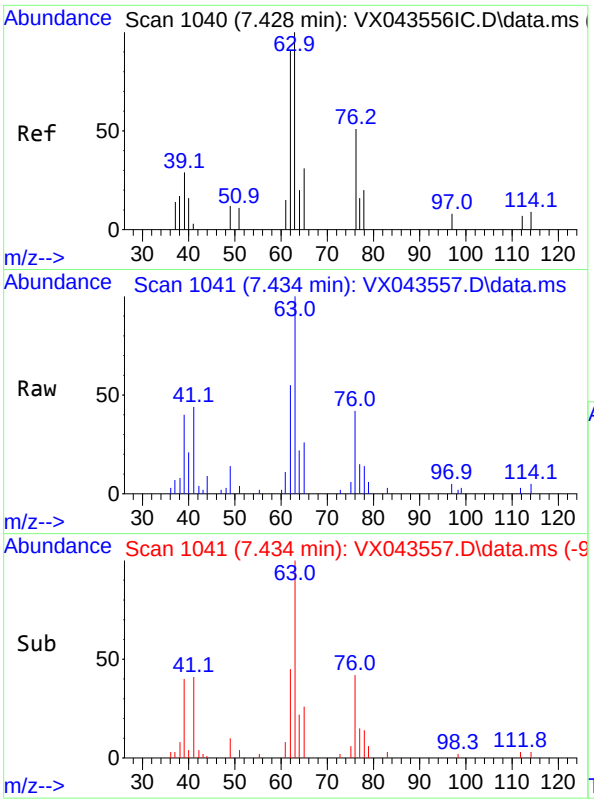


#44
Trichloroethene
Concen: 5.528 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:130 Resp: 9917

Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	202.6



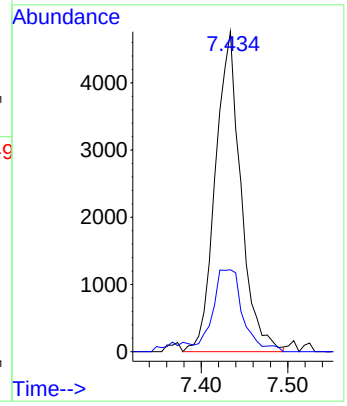


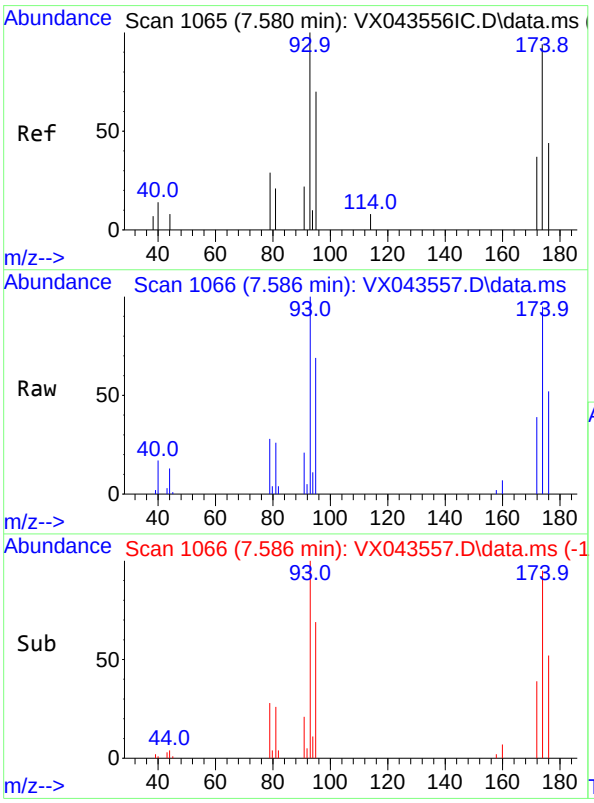
#45
1,2-Dichloropropane
Concen: 5.268 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9734

Ion	Ratio	Lower	Upper
63	100		
65	25.6	24.5	36.7

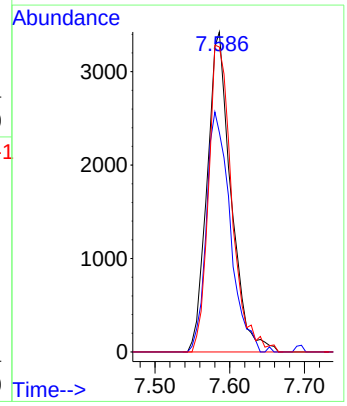


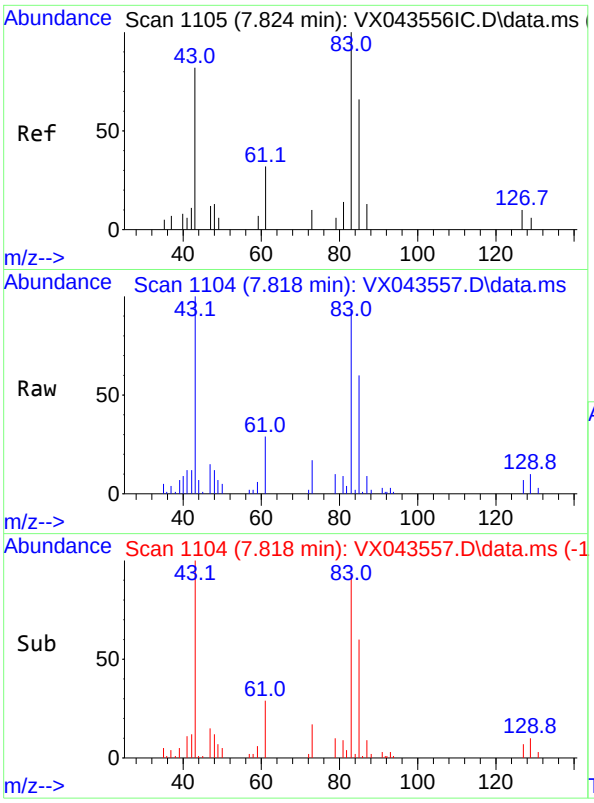


#46
Dibromomethane
Concen: 5.337 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 93 Resp: 7576

Ion	Ratio	Lower	Upper
93	100		
95	74.9	66.4	99.6
174	93.8	75.0	112.4



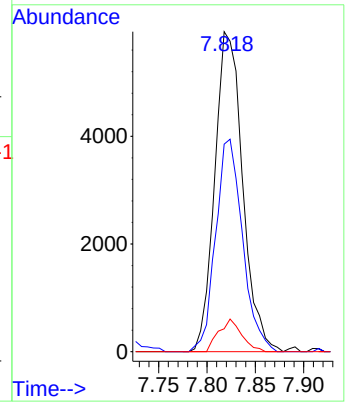


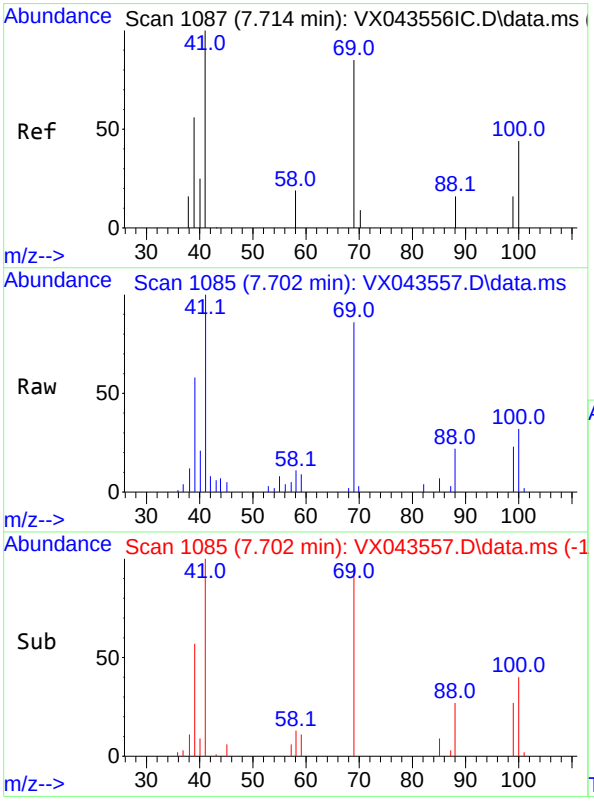
#47
Bromodichloromethane
Concen: 4.735 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11922

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4
127	7.1	7.1	10.7

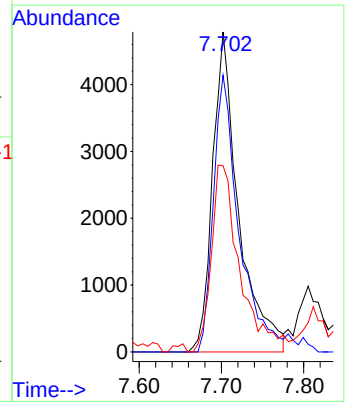


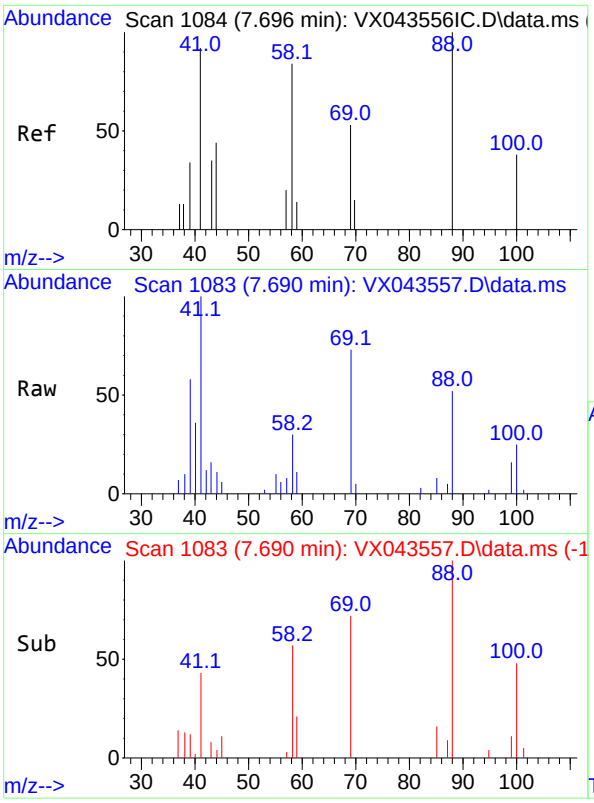


#48
Methyl methacrylate
Concen: 4.621 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 41 Resp: 10543

Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	64.0	46.3	69.5



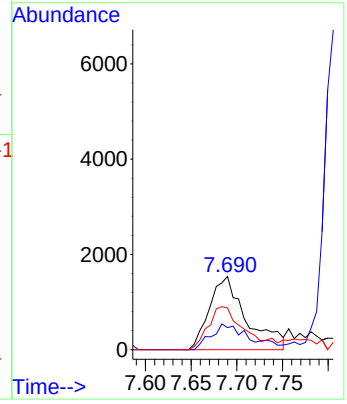


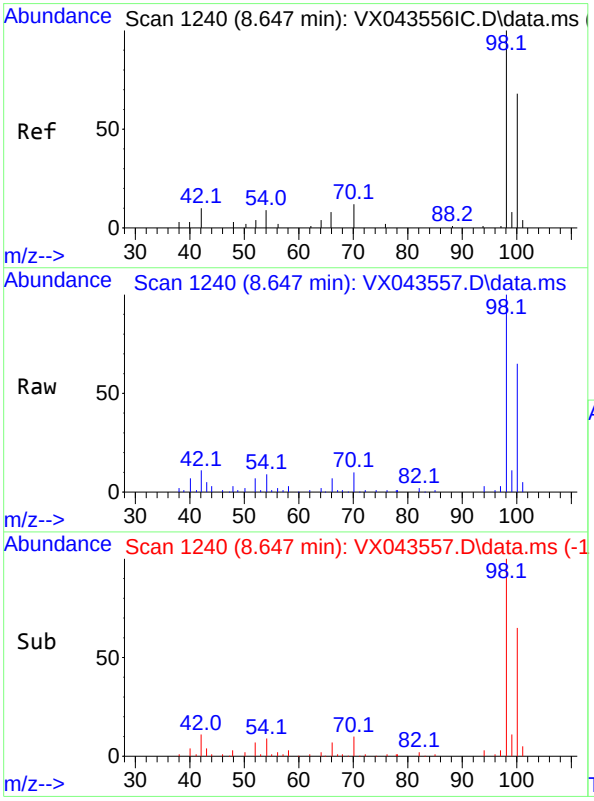
#49
1,4-Dioxane
Concen: 73.737 ug/l
RT: 7.690 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 4322

Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	54.4	53.9	80.9

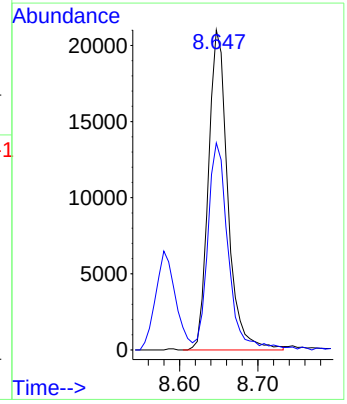


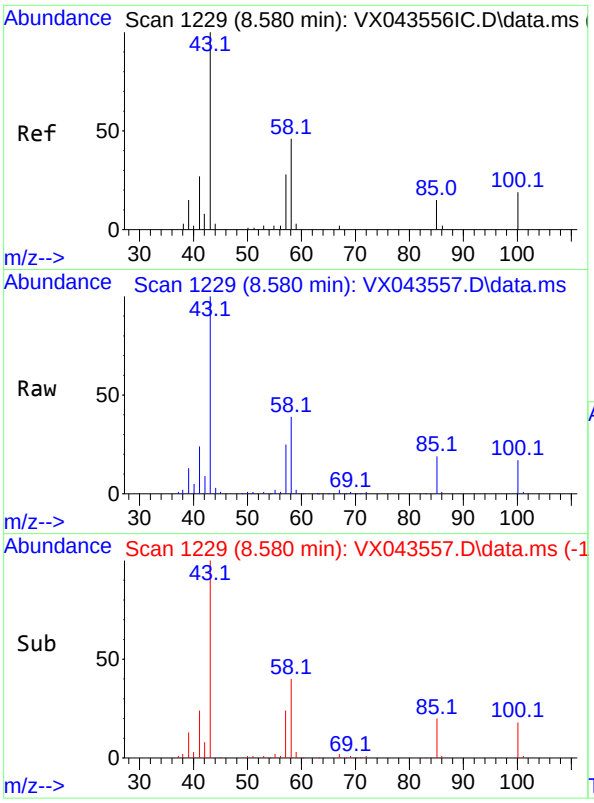


#50
Toluene-d8
Concen: 5.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 98 Resp: 36059

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2



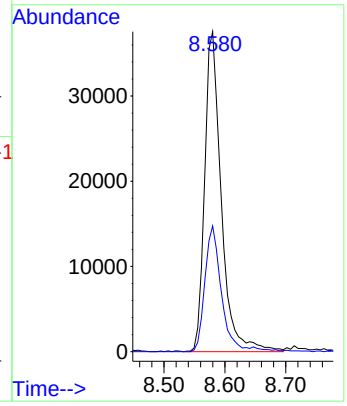


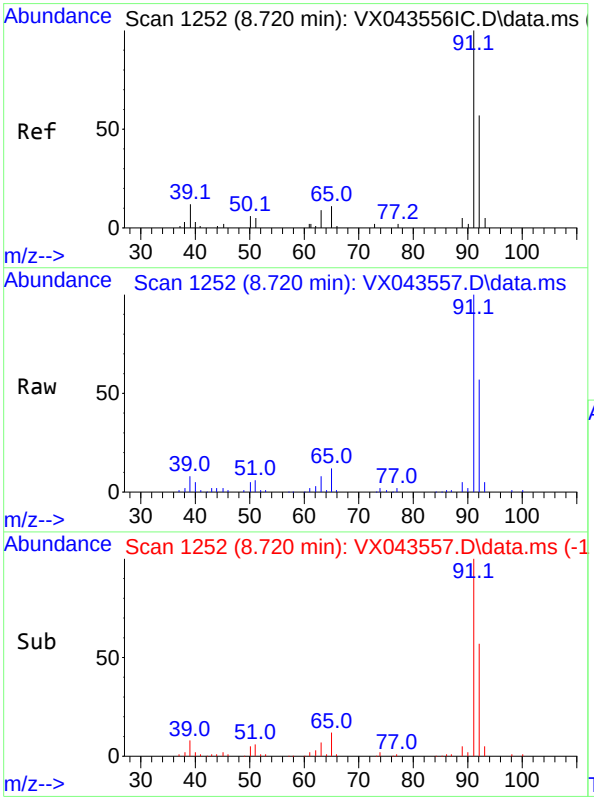
#51
4-Methyl-2-Pentanone
Concen: 23.028 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 71301

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.7	47.5

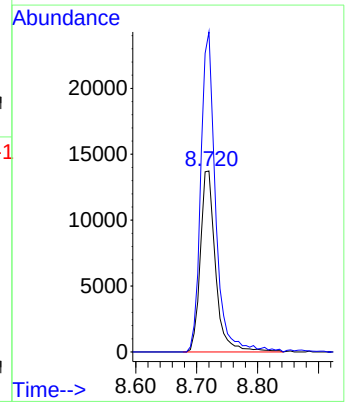


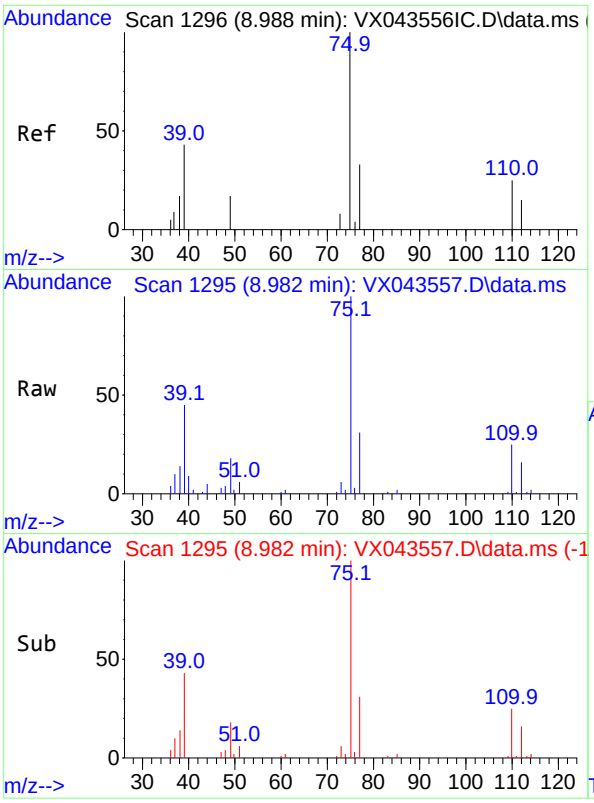


#52
Toluene
Concen: 5.121 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 92 Resp: 23888

Ion	Ratio	Lower	Upper
92	100		
91	170.3	135.7	203.5



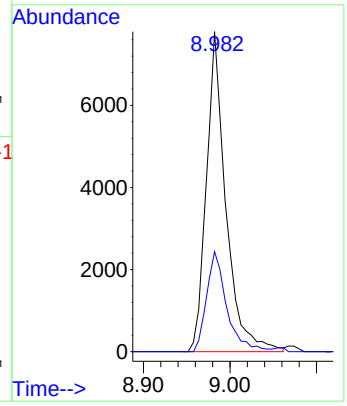


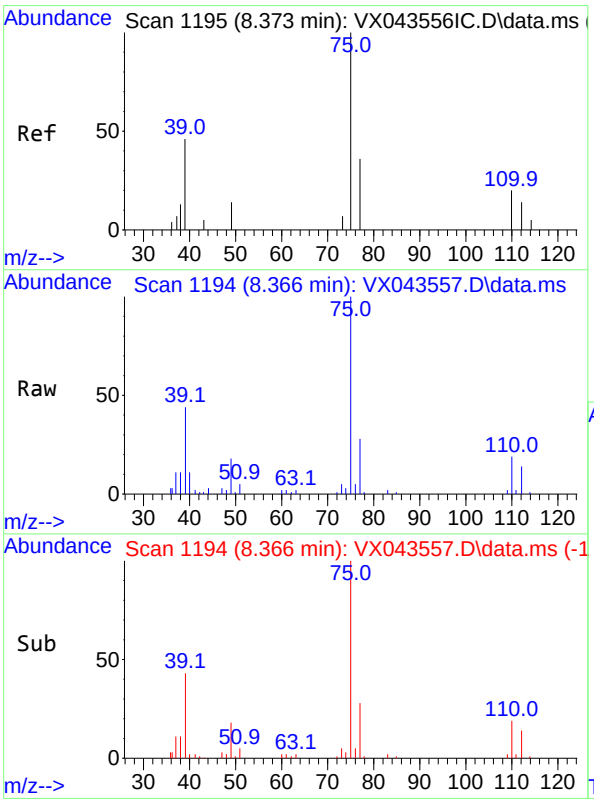
#53
t-1,3-Dichloropropene
Concen: 4.773 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 12164

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

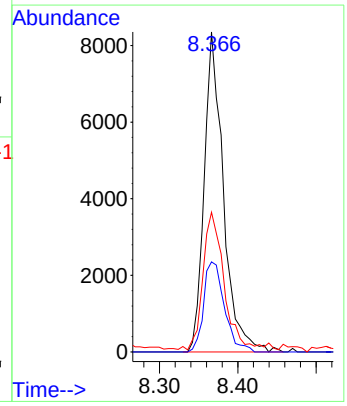


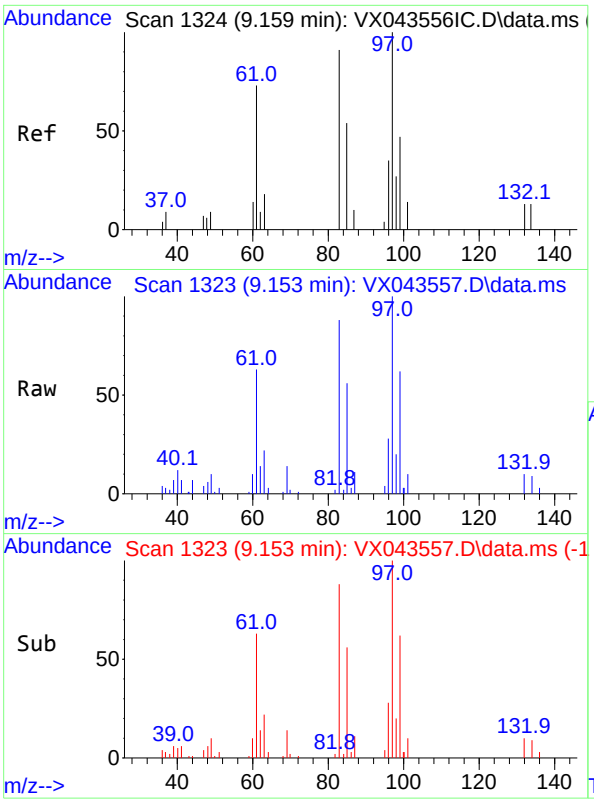


#54
cis-1,3-Dichloropropene
Concen: 5.084 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 14227

Ion	Ratio	Lower	Upper
75	100		
77	28.1	24.8	37.2
39	42.0	37.7	56.5



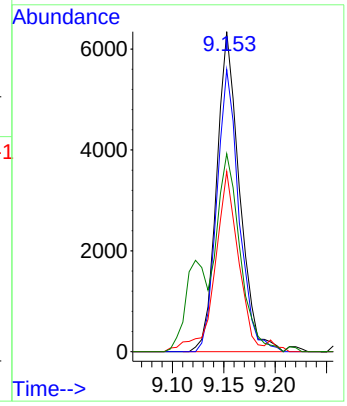


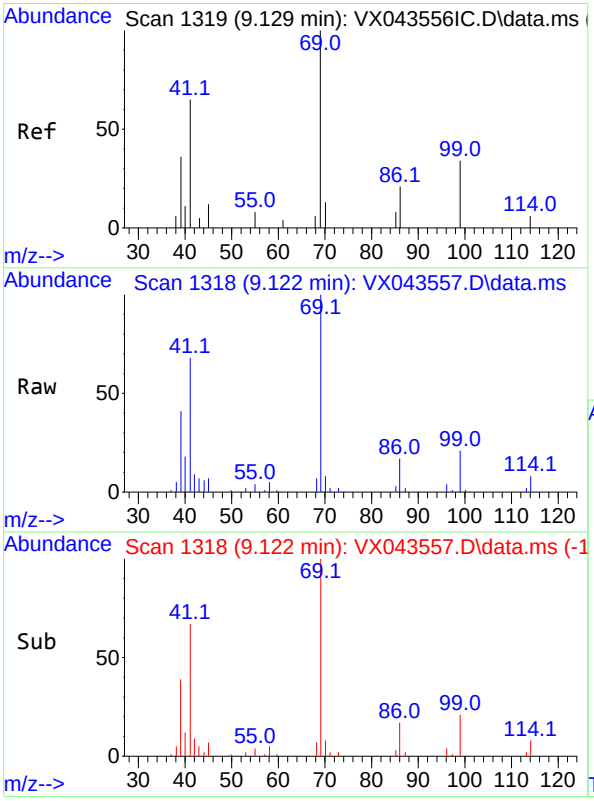
#55
1,1,2-Trichloroethane
Concen: 4.982 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 9807

Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.3	100.9
85	55.0	43.6	65.4
99	61.8	50.6	75.8

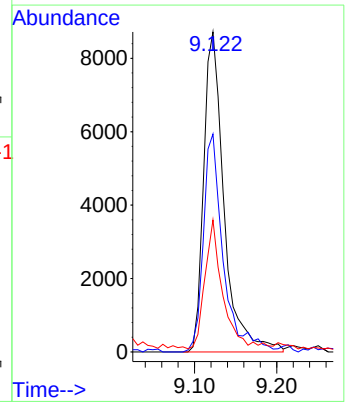


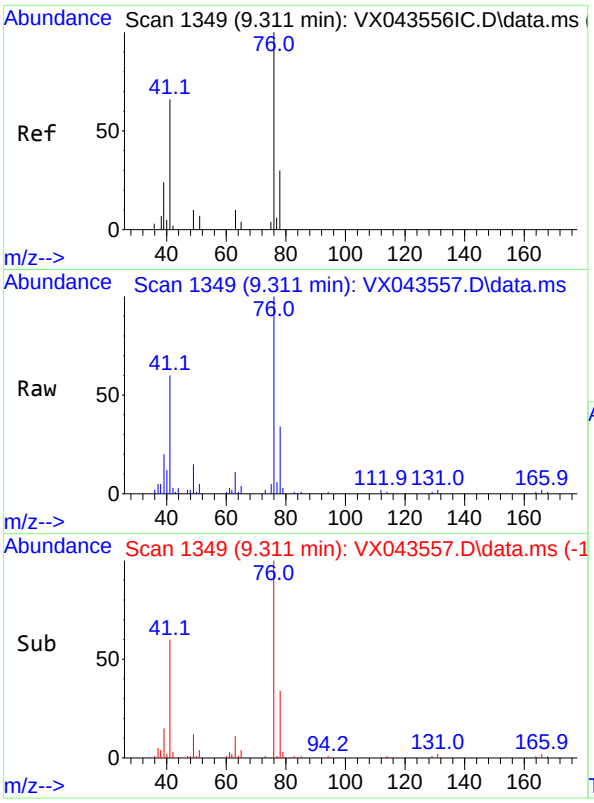


#56
Ethyl methacrylate
Concen: 4.712 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 69 Resp: 14989

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.8	80.8
39	36.6	29.9	44.9



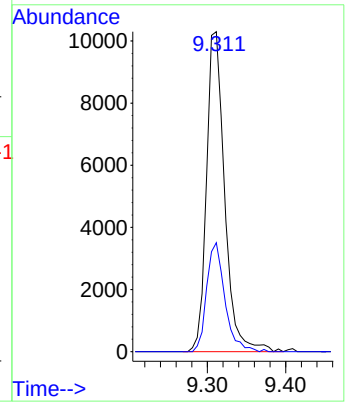


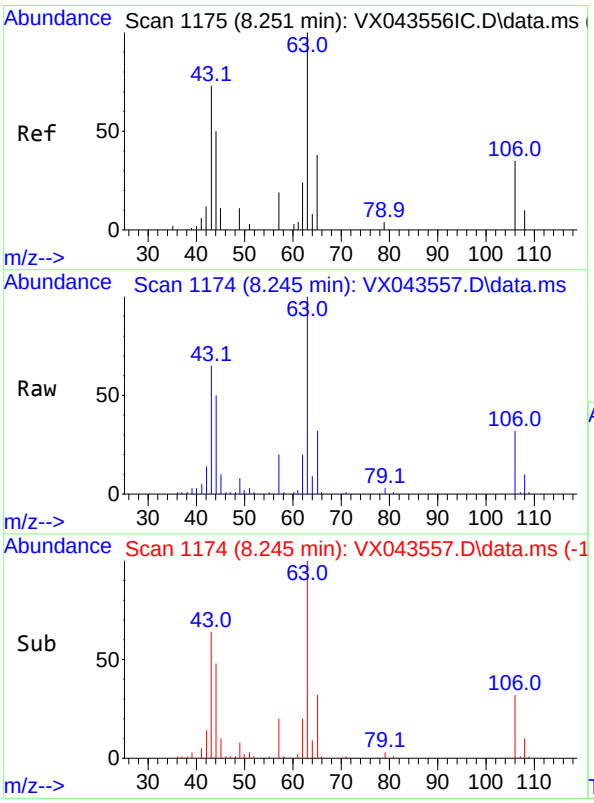
#57
1,3-Dichloropropane
Concen: 5.097 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16567

Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.9	38.9

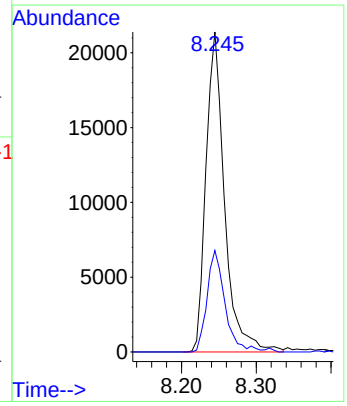


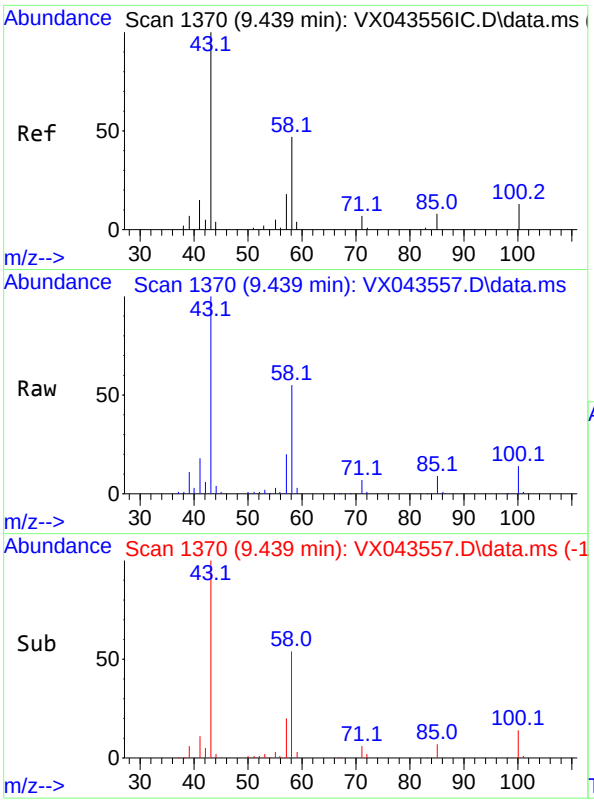


#58
2-Chloroethyl Vinyl ether
Concen: 23.613 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 63 Resp: 36952

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4



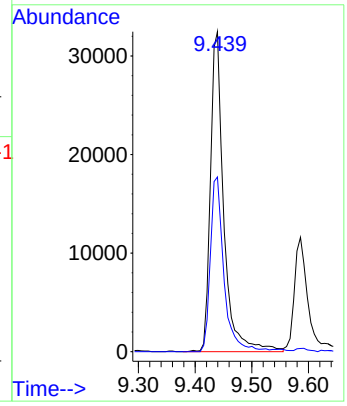


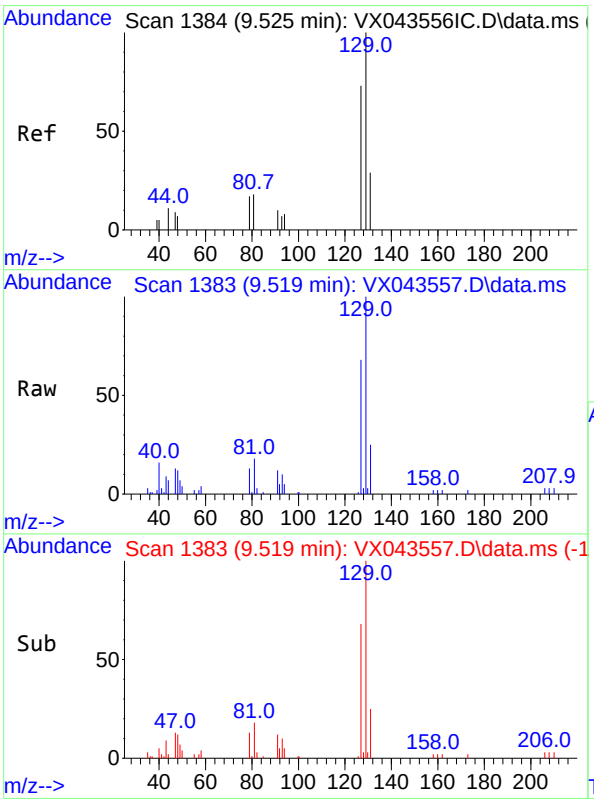
#59
2-Hexanone
Concen: 22.614 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 52944

Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.5	82.5

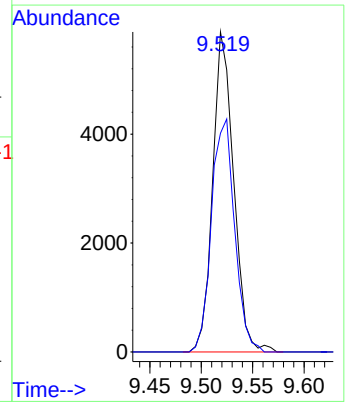


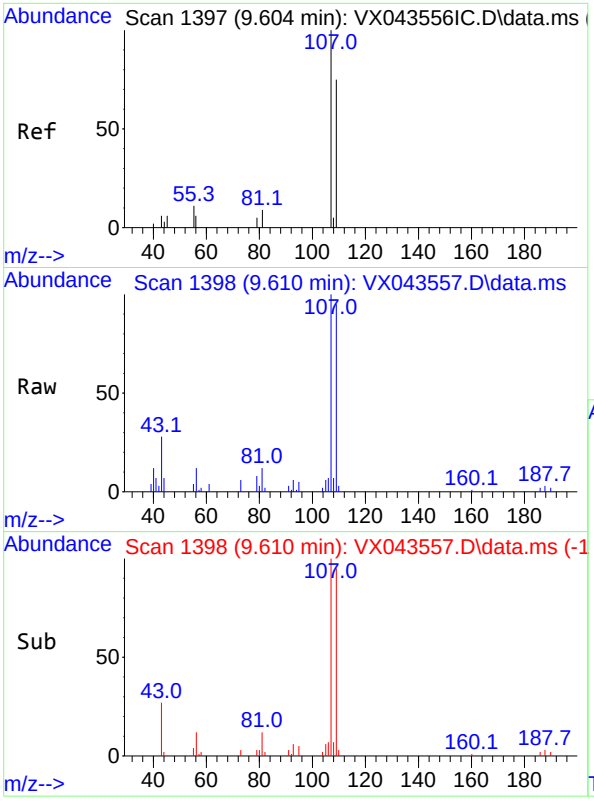


#60
Dibromochloromethane
Concen: 4.514 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:129 Resp: 8314

Ion	Ratio	Lower	Upper
129	100		
127	80.5	38.4	115.1



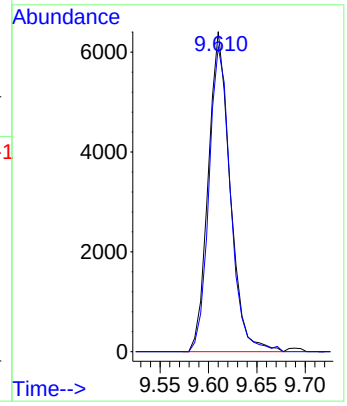


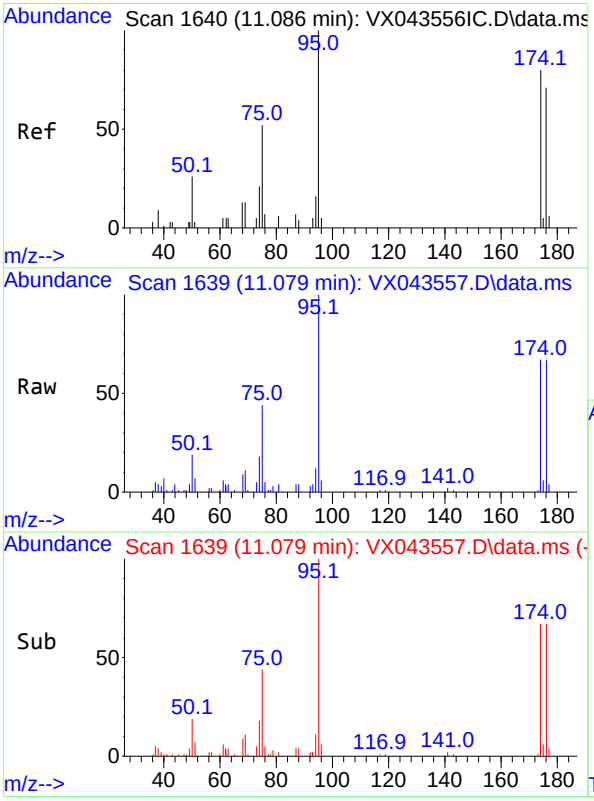
#61
1,2-Dibromoethane
Concen: 5.087 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10094

Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.1	115.7

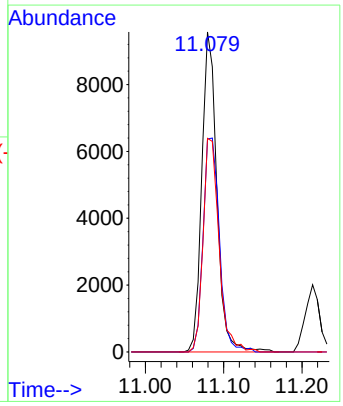


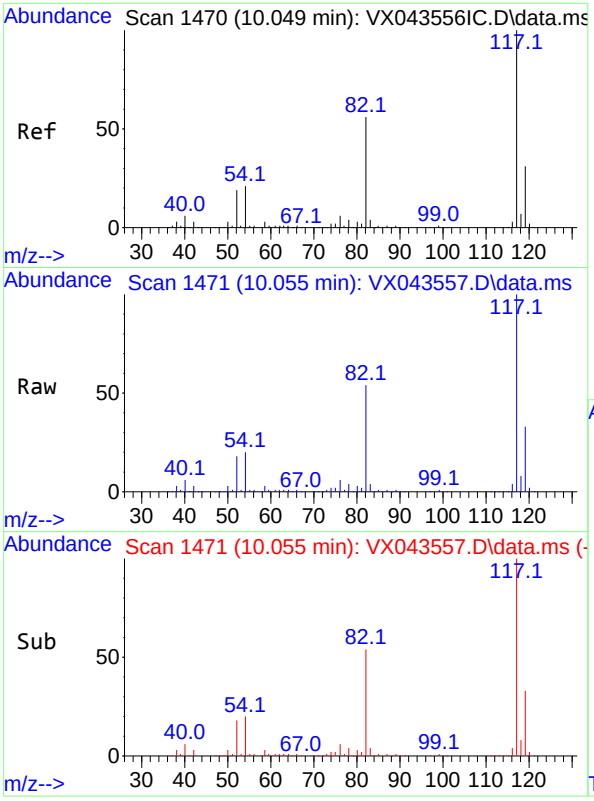


#62
4-Bromofluorobenzene
Concen: 5.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 95 Resp: 12799

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	146.6
176	70.3	0.0	139.6



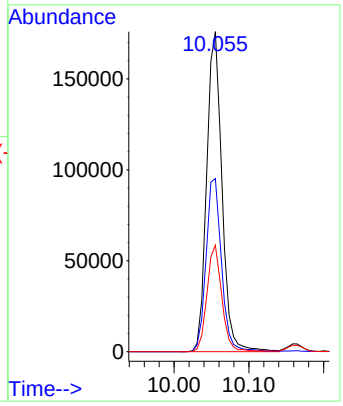


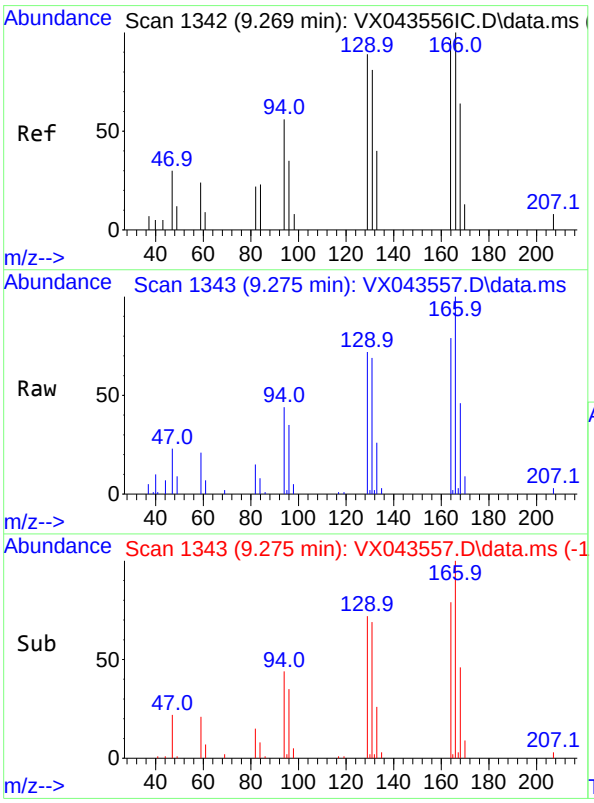
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 250063

Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.1	63.1
119	33.3	25.4	38.2

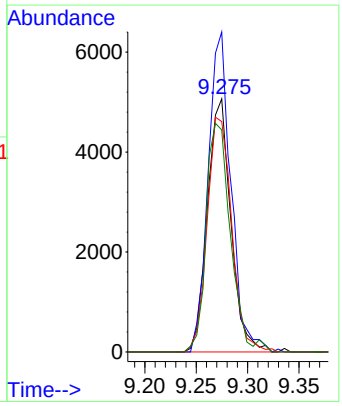


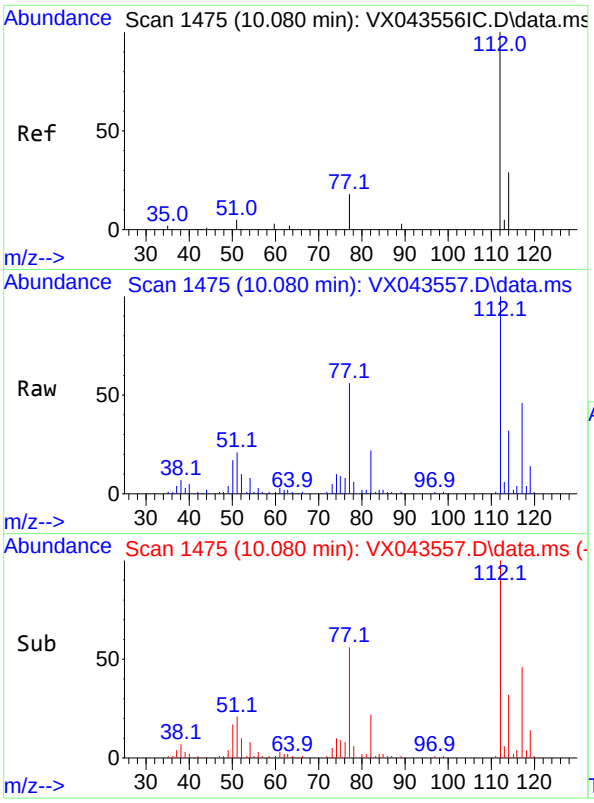


#64
Tetrachloroethene
Concen: 5.154 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:164 Resp: 8068

Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.8	155.6
129	91.0	83.8	125.6
131	87.7	80.6	121.0



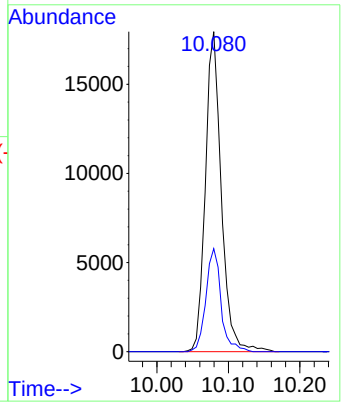


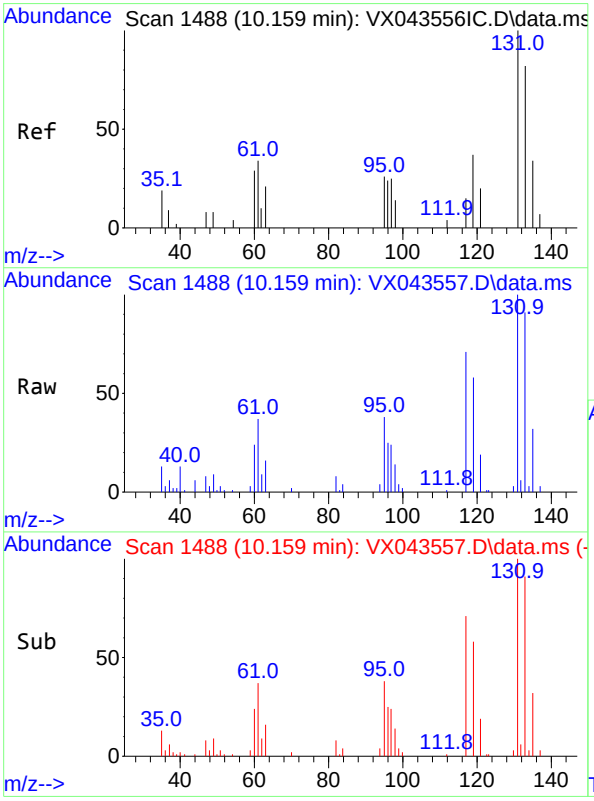
#65
Chlorobenzene
Concen: 5.337 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 27763

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.0	37.6

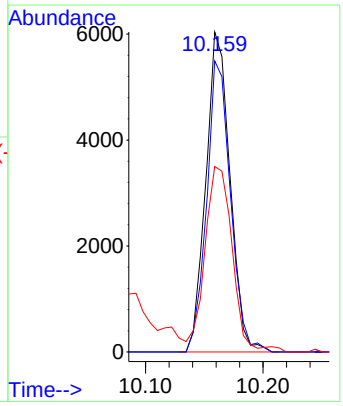


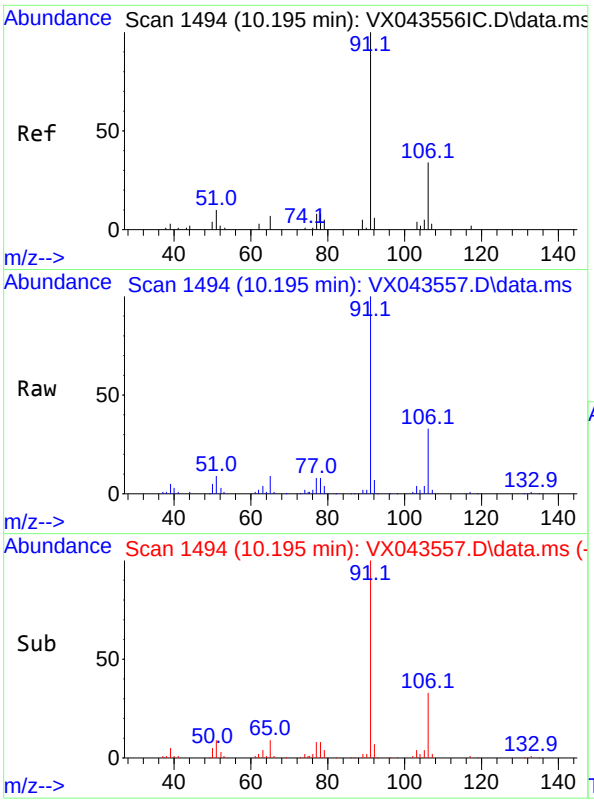


#66
1,1,1,2-Tetrachloroethane
Concen: 4.907 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:131 Resp: 8622

Ion	Ratio	Lower	Upper
131	100		
133	90.2	48.0	144.0
119	65.3	32.3	96.9



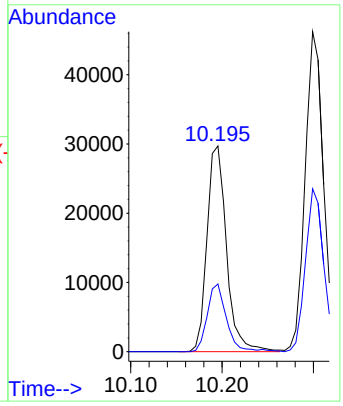


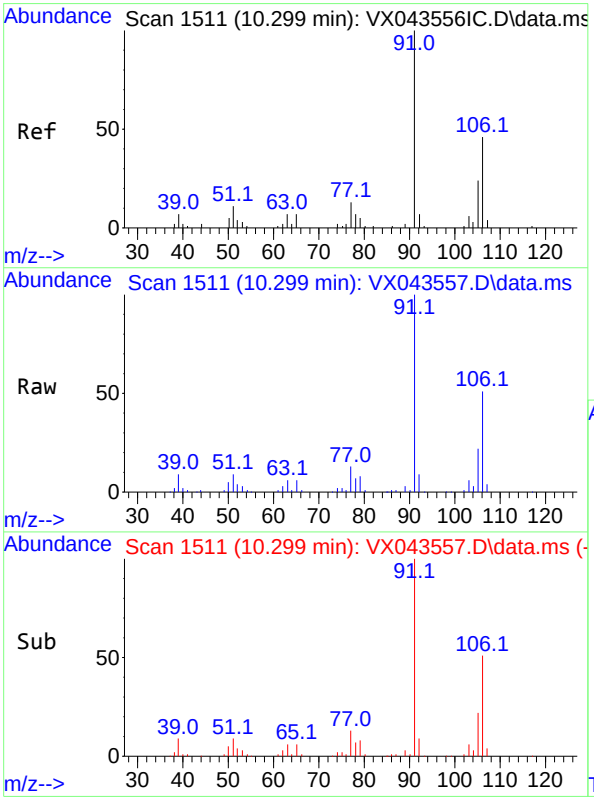
#67
Ethyl Benzene
Concen: 5.095 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 44094

Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.4	38.2

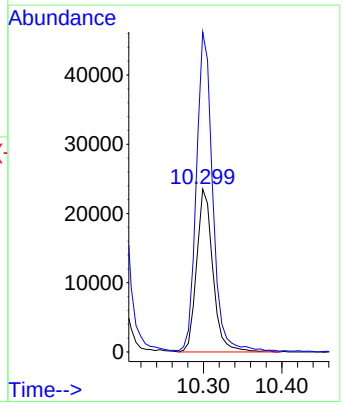


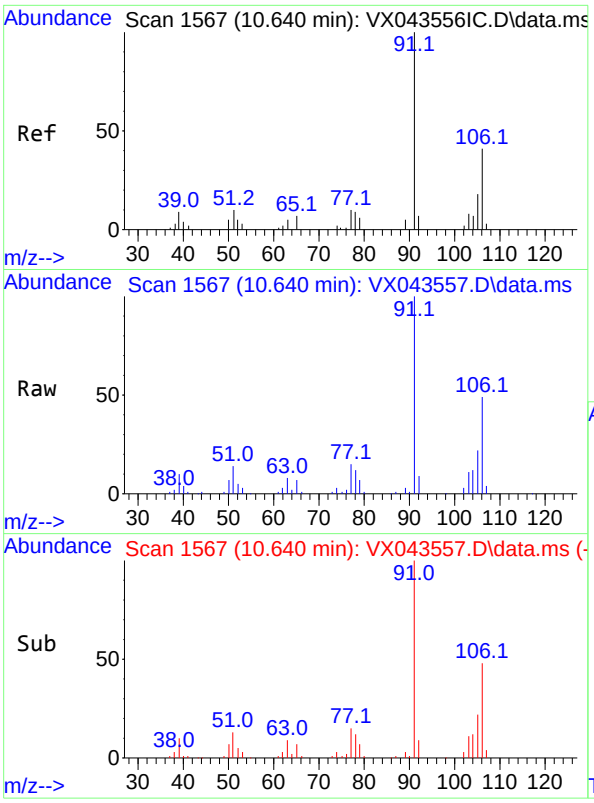


#68
m/p-Xylenes
Concen: 10.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:106 Resp: 33988

Ion	Ratio	Lower	Upper
106	100		
91	199.1	164.7	247.1



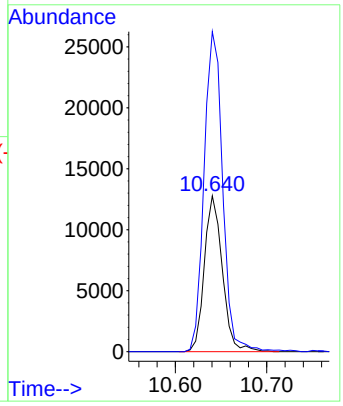


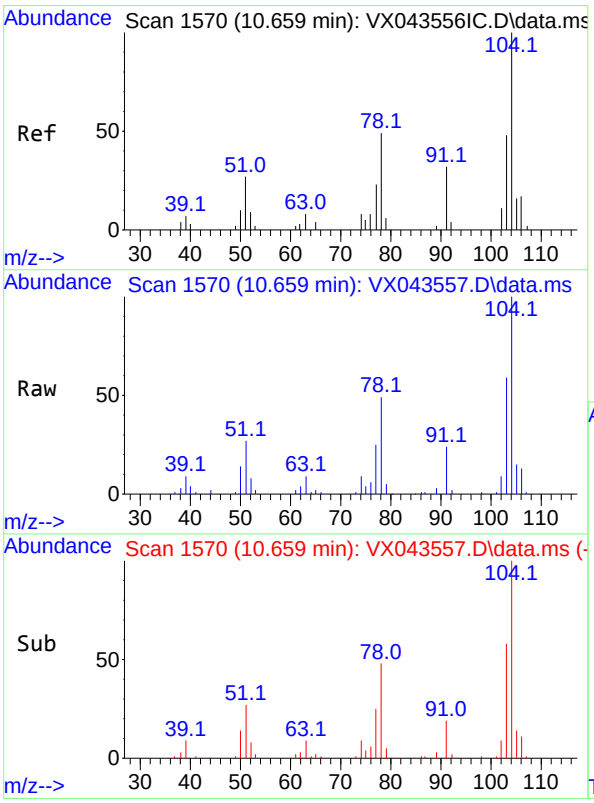
#69
o-Xylene
Concen: 5.181 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 17462

Ion	Ratio	Lower	Upper
106	100		
91	212.0	107.9	323.7

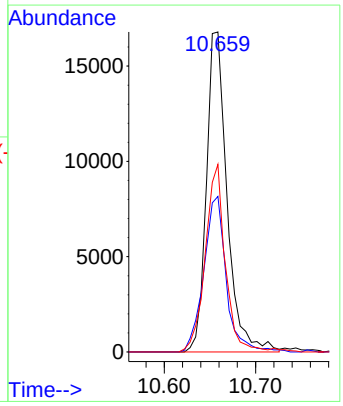


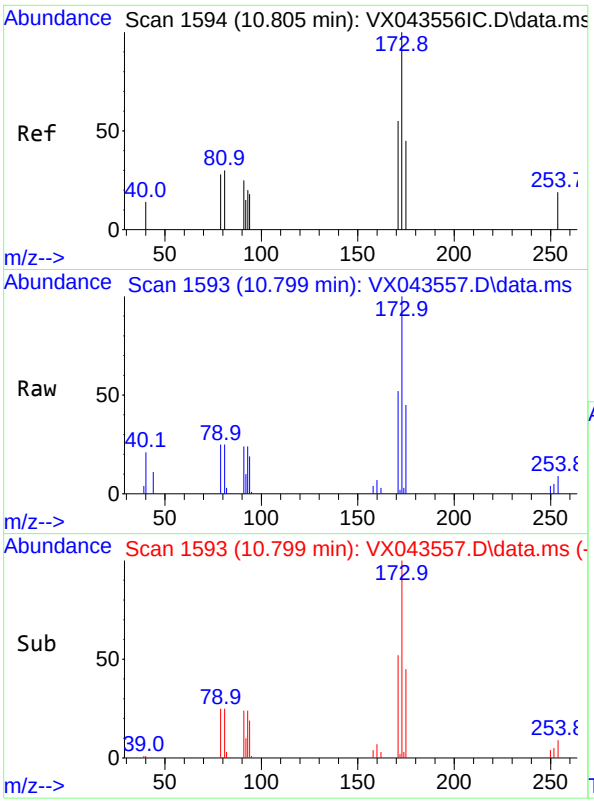


#70
Styrene
Concen: 4.836 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:104 Resp: 26381

Ion	Ratio	Lower	Upper
104	100		
78	52.9	40.0	60.0
103	56.4	43.4	65.0



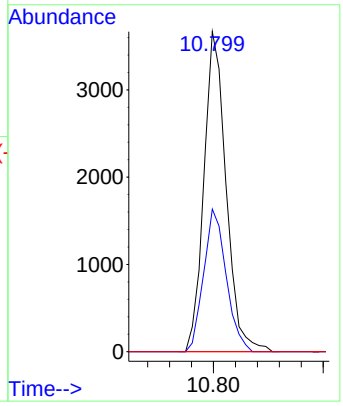


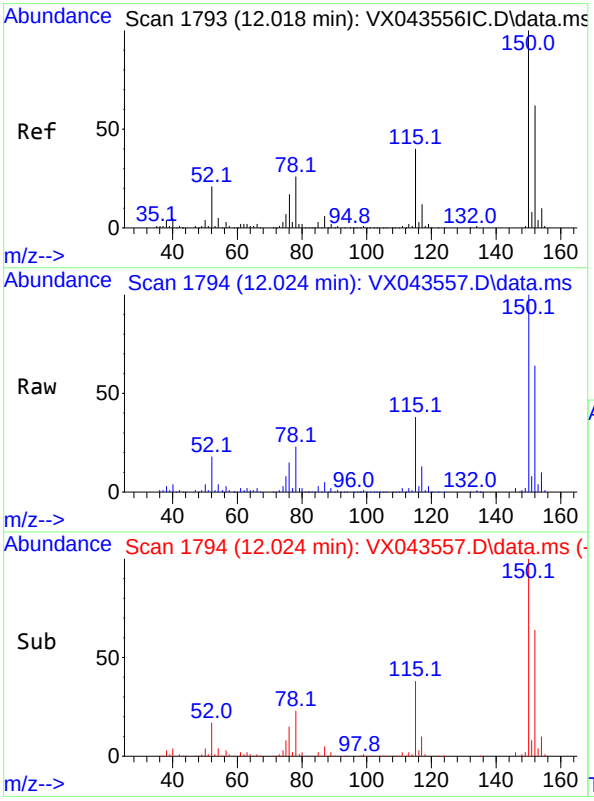
#71
Bromoform
Concen: 4.345 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5147

Ion	Ratio	Lower	Upper
173	100		
175	45.3	23.3	69.9
254	0.0	0.0	0.0

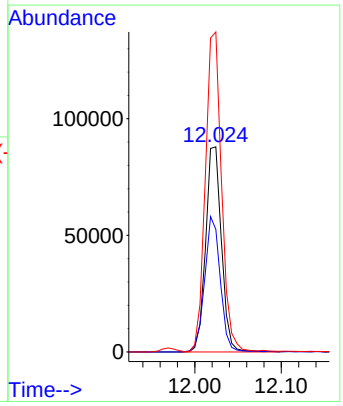


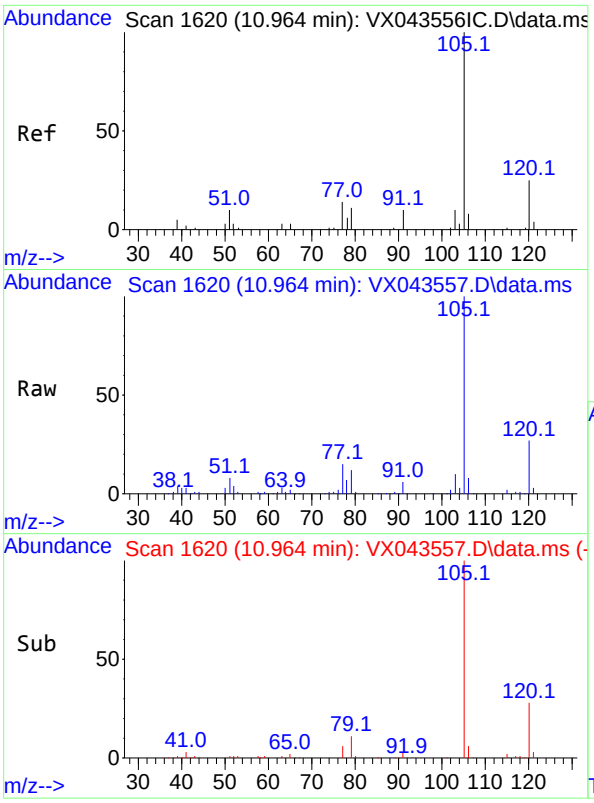


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:152 Resp: 111781

Ion	Ratio	Lower	Upper
152	100		
115	65.0	42.9	128.7
150	158.7	0.0	343.6



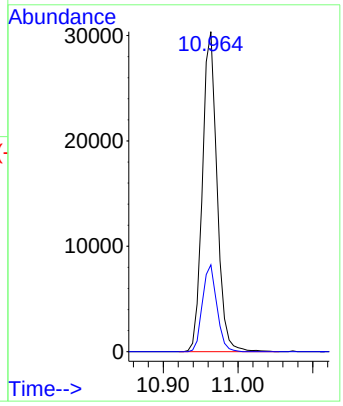


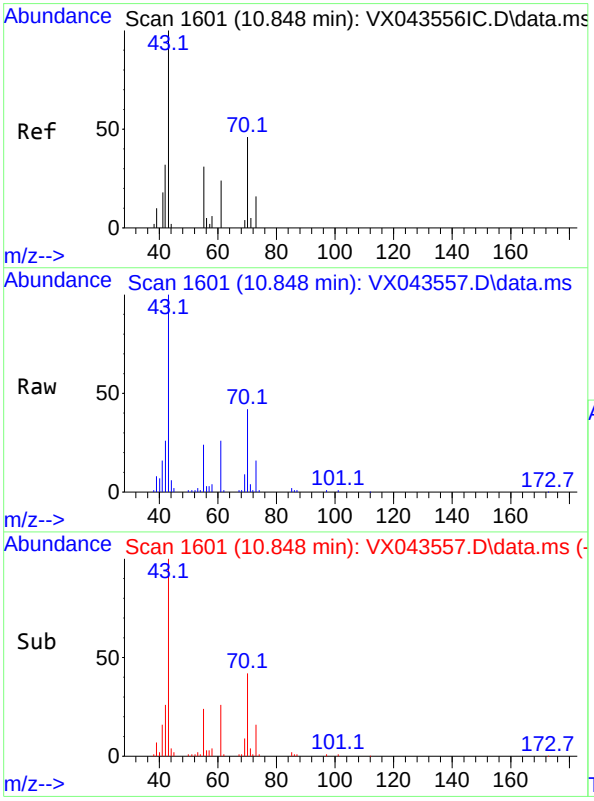
#73
Isopropylbenzene
Concen: 5.155 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 41185

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.6

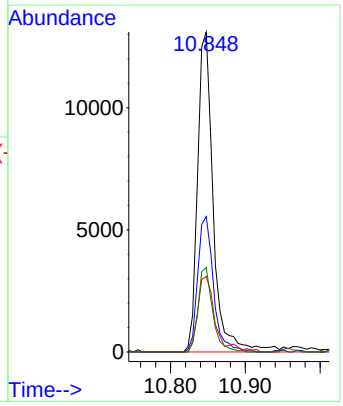


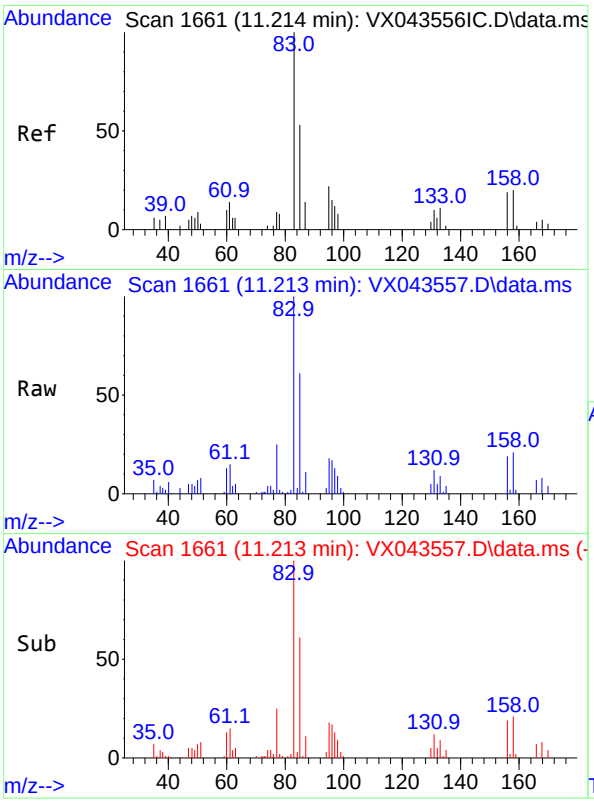


#74
N-amyl acetate
Concen: 4.750 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 43 Resp: 19116

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.6	52.0
55	26.1	19.6	29.4
61	24.3	20.2	30.2



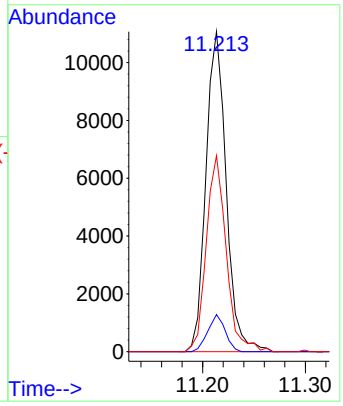


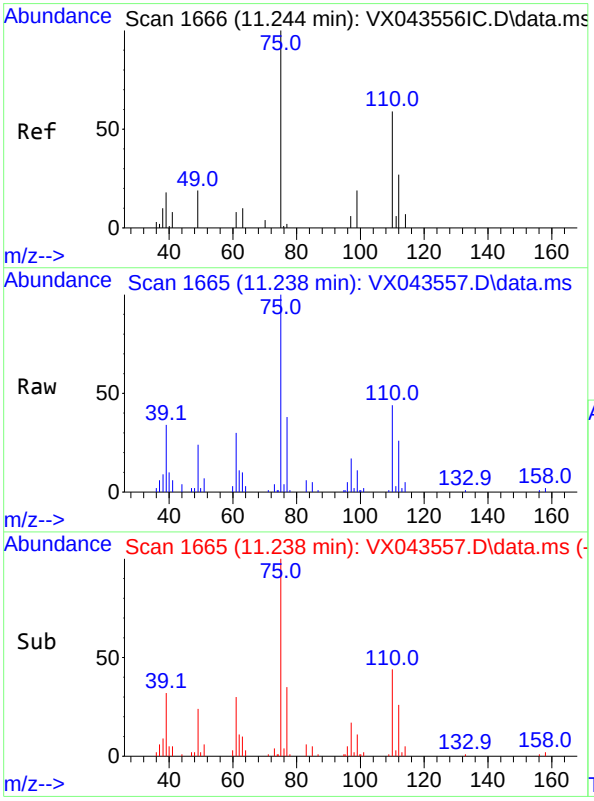
#75
1,1,2,2-Tetrachloroethane
Concen: 4.947 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15141

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.3	15.9
85	60.6	32.4	97.0

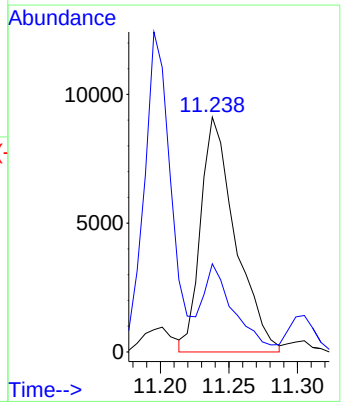


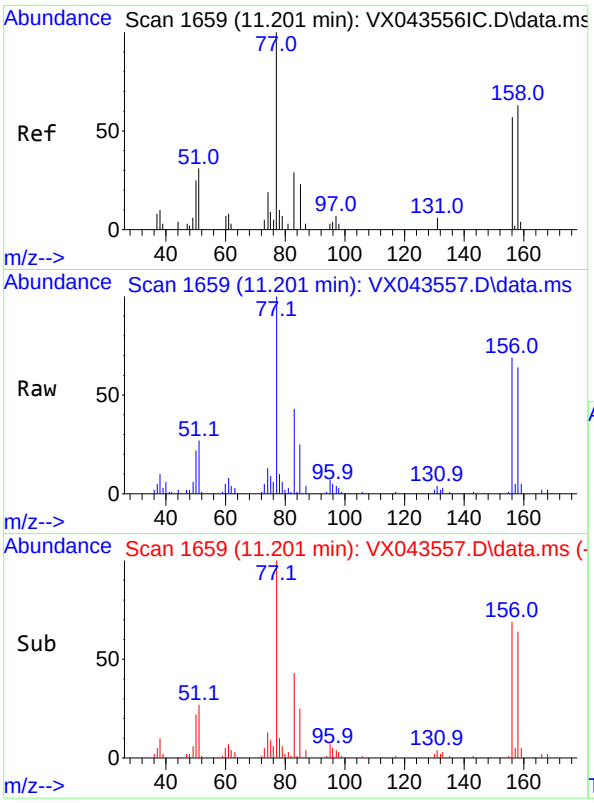


#76
1,2,3-Trichloropropane
Concen: 6.186 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 16074

Ion	Ratio	Lower	Upper
75	100		
77	32.1	22.4	67.2



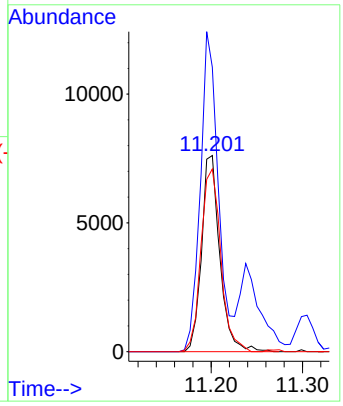


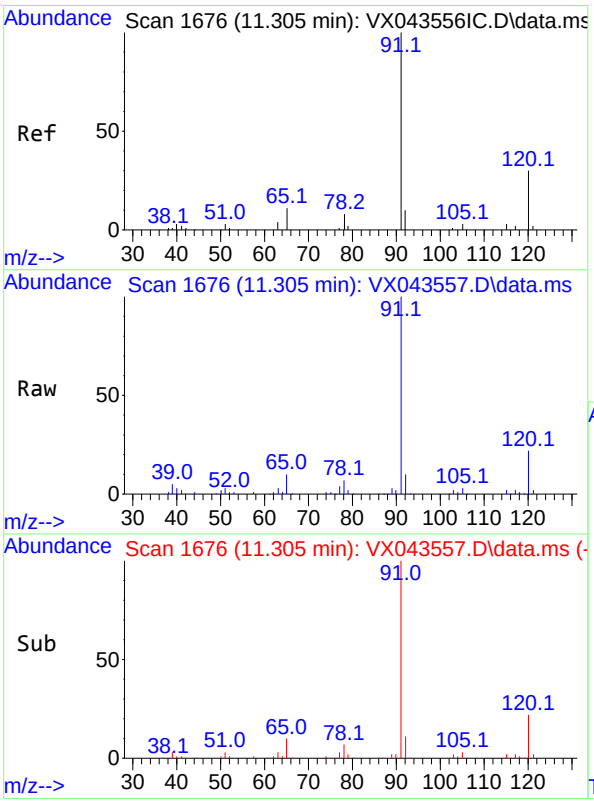
#77
Bromobenzene
Concen: 5.179 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 10564

Ion	Ratio	Lower	Upper
156	100		
77	161.5	79.7	239.1
158	101.2	48.0	144.0

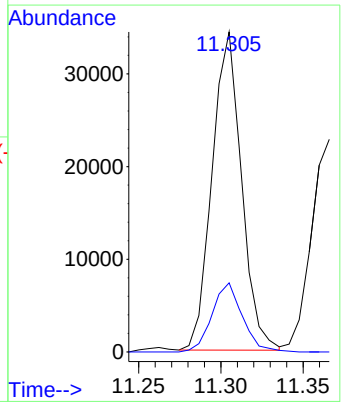


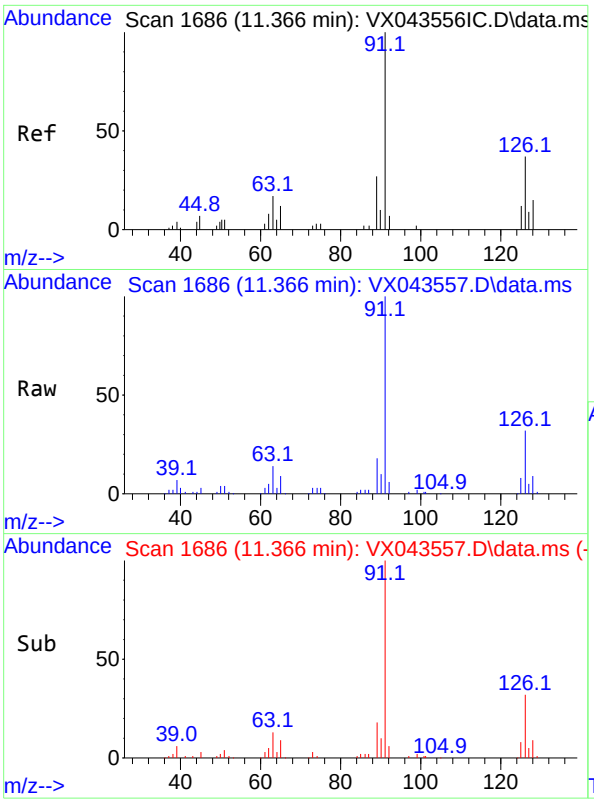


#78
n-propylbenzene
Concen: 5.013 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 42687

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.6	34.7



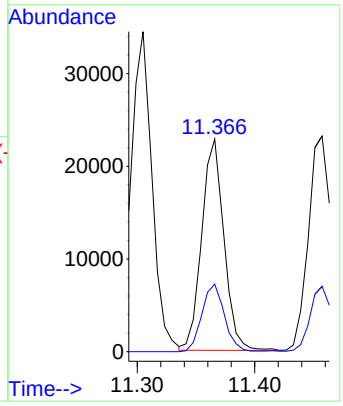


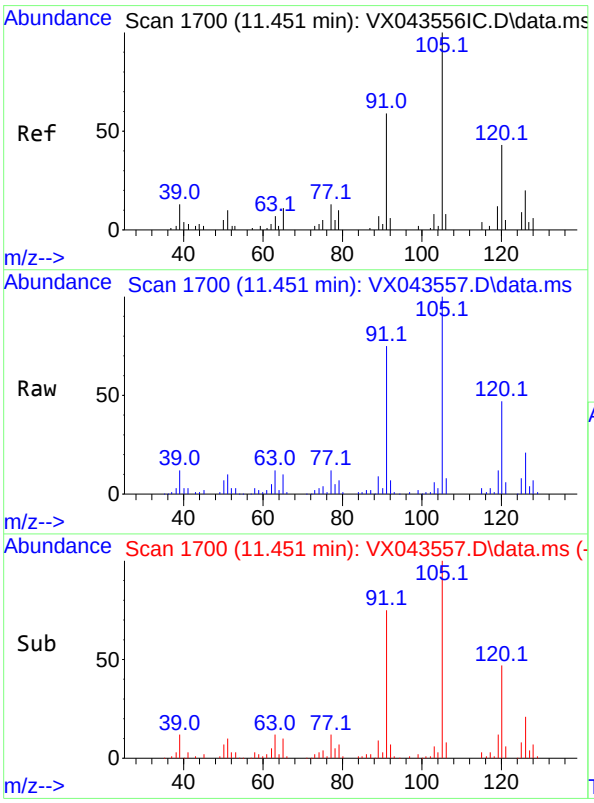
#79
2-Chlorotoluene
Concen: 5.237 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 29923

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.7	50.0

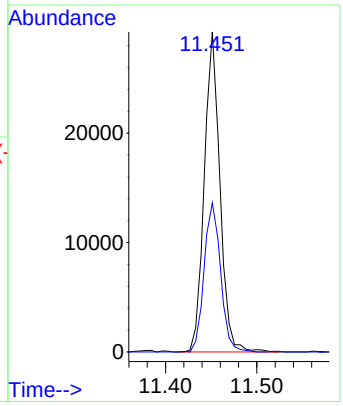


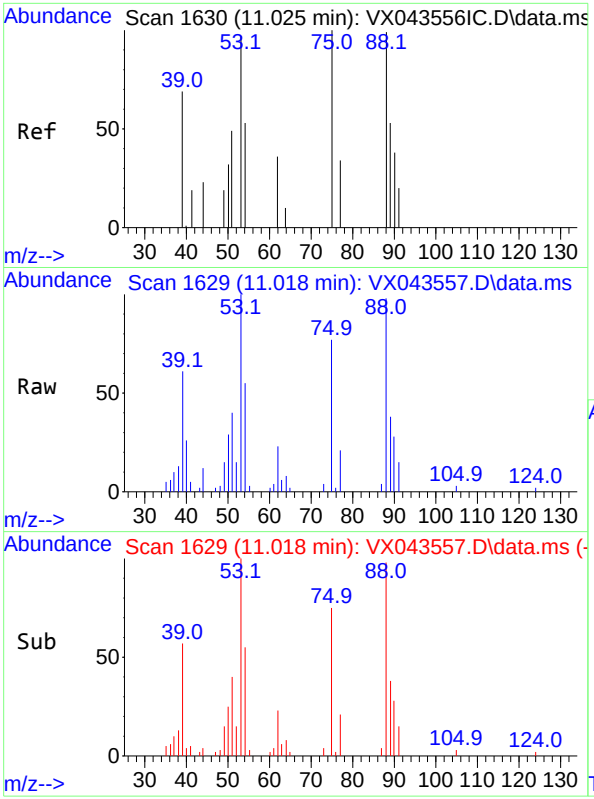


#80
1,3,5-Trimethylbenzene
Concen: 5.232 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:105 Resp: 34706

Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.8	71.5



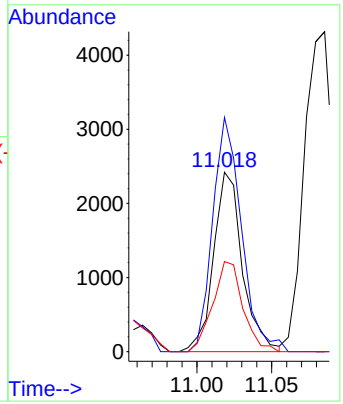


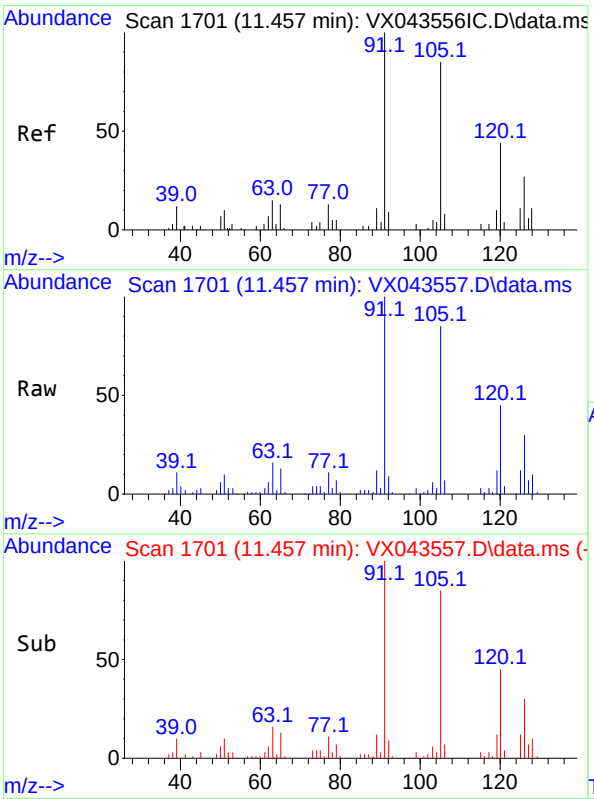
#81
trans-1,4-Dichloro-2-butene
Concen: 3.808 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3243

Ion	Ratio	Lower	Upper
75	100		
53	130.4	84.6	126.8#
89	52.5	38.6	58.0

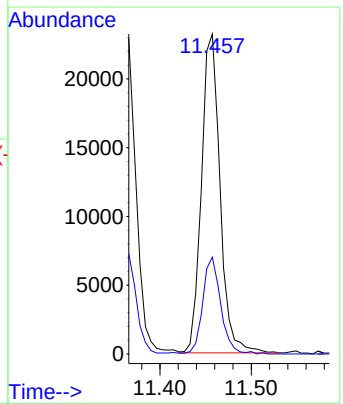


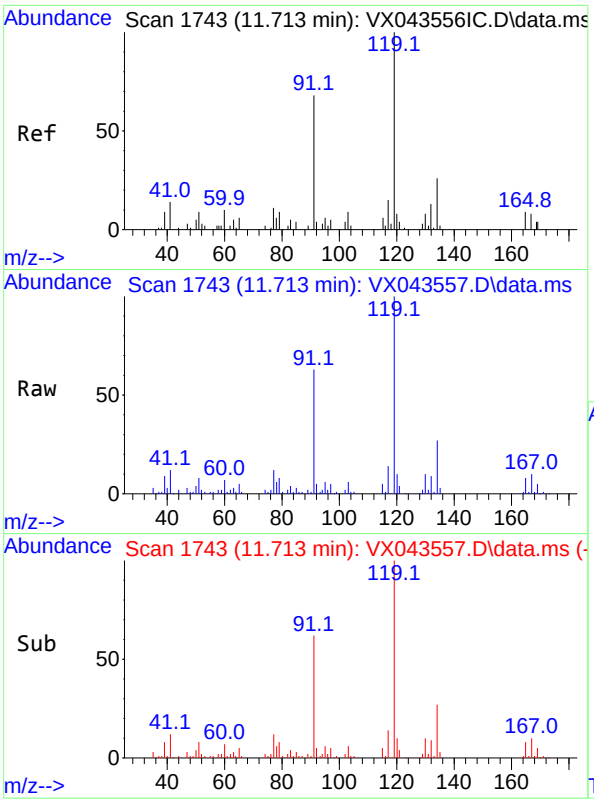


#82
4-Chlorotoluene
Concen: 5.163 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 91 Resp: 32648

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.8



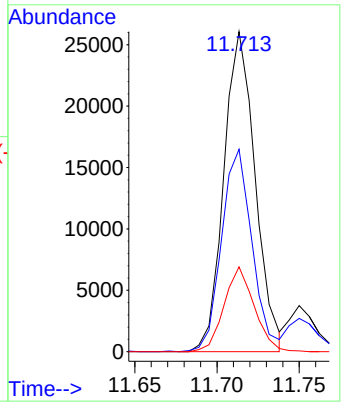


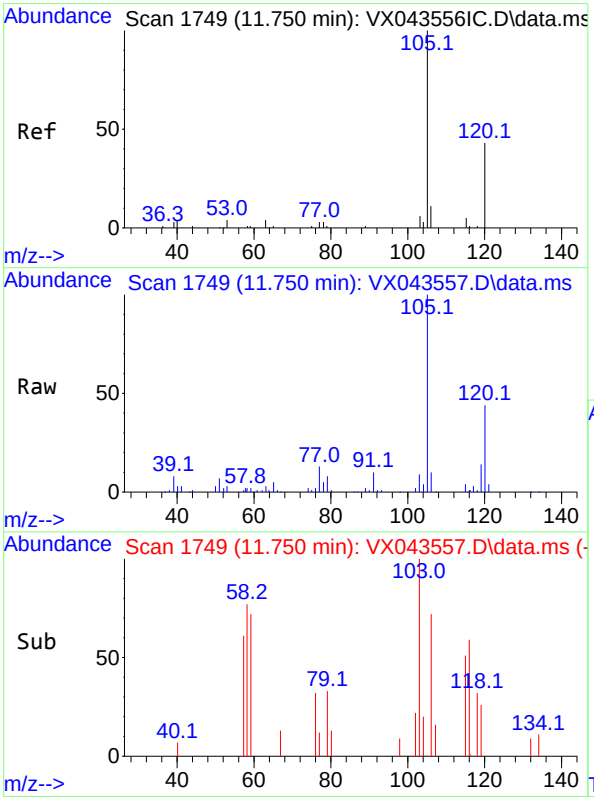
#83
tert-Butylbenzene
Concen: 5.122 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 34653

Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.5	88.5
134	25.5	11.8	35.3

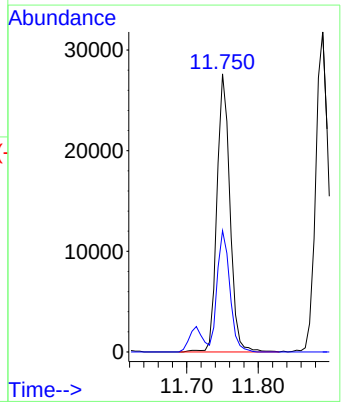


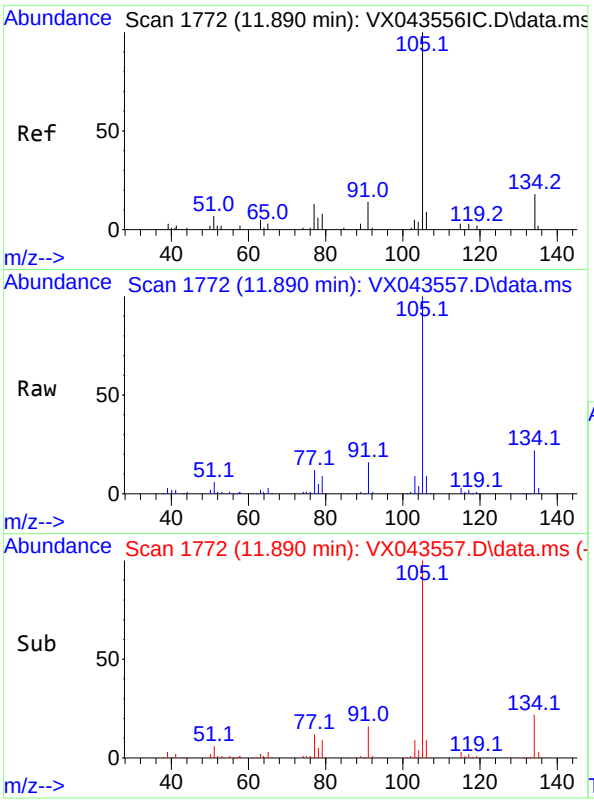


#84
1,2,4-Trimethylbenzene
Concen: 5.125 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:105 Resp: 34775

Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.1	66.1



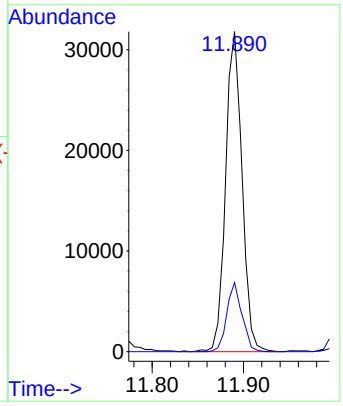


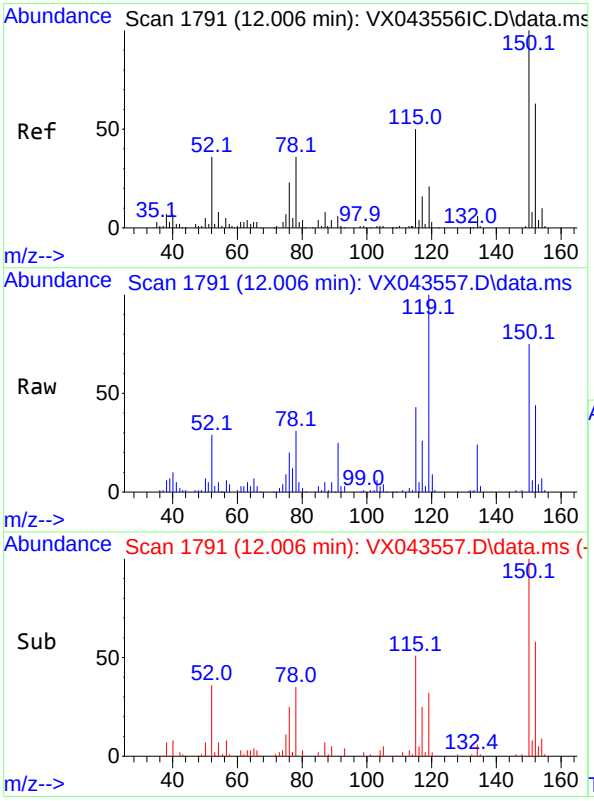
#85
sec-Butylbenzene
Concen: 5.078 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 39786

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

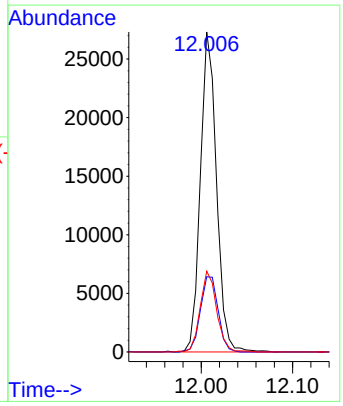


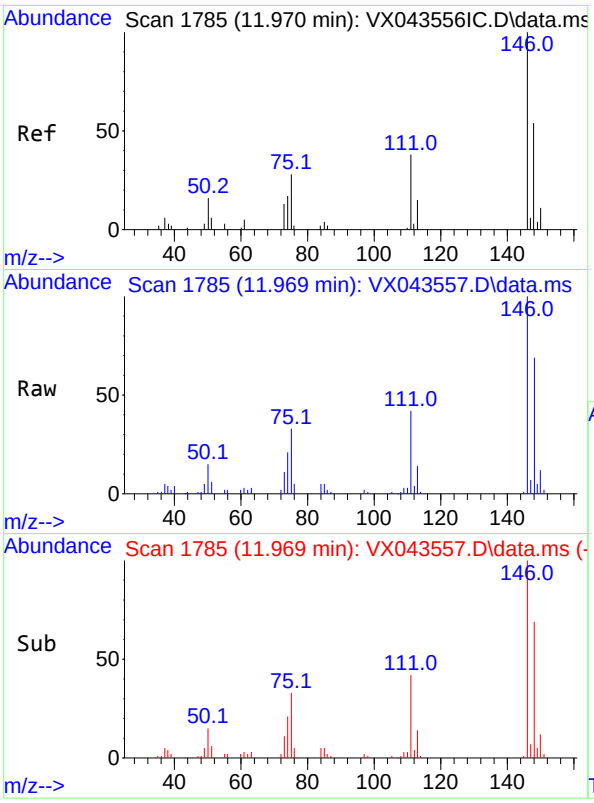


#86
p-Isopropyltoluene
Concen: 5.139 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:119 Resp: 33359

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	26.0	12.4	37.0



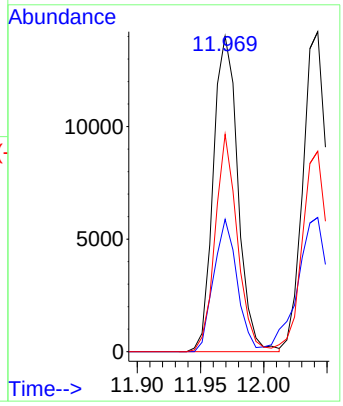


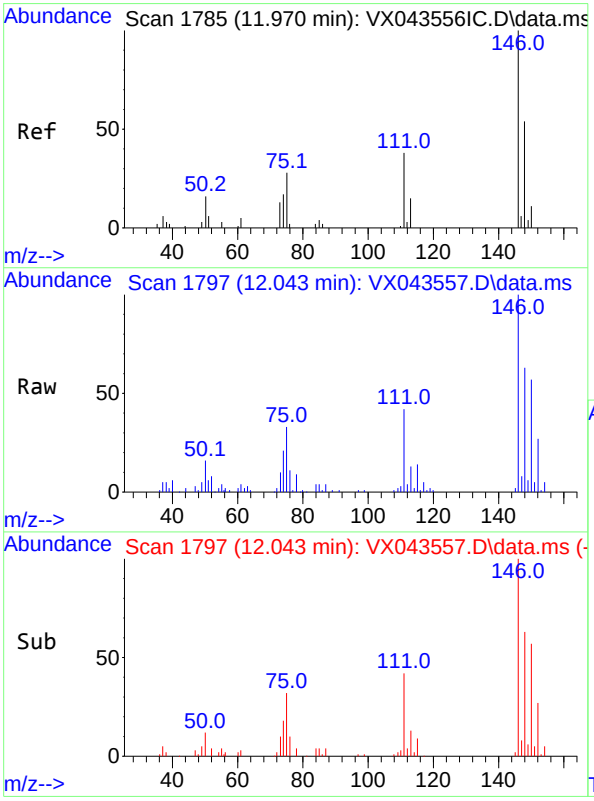
#87
1,3-Dichlorobenzene
Concen: 5.178 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 18951

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.4
148	62.5	31.6	94.8

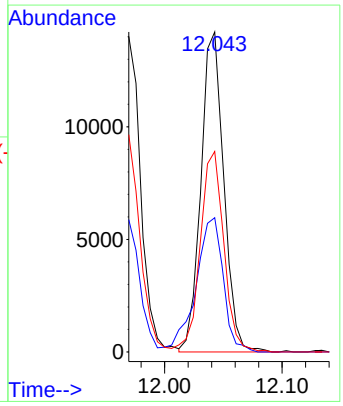


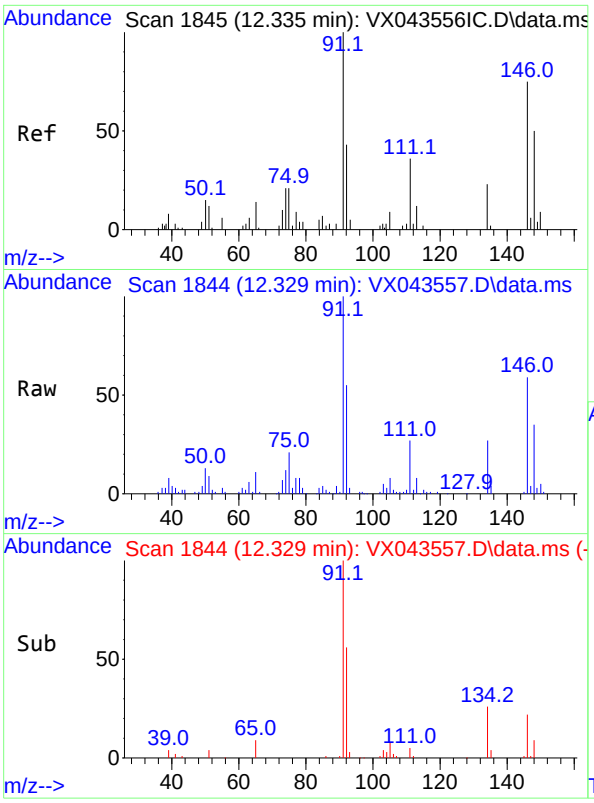


#88
1,4-Dichlorobenzene
Concen: 5.210 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:146 Resp: 19222

Ion	Ratio	Lower	Upper
146	100		
111	50.3	20.4	61.3
148	64.8	31.9	95.9



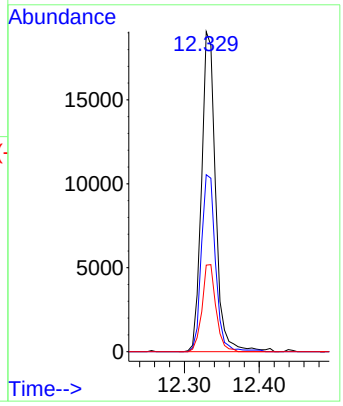


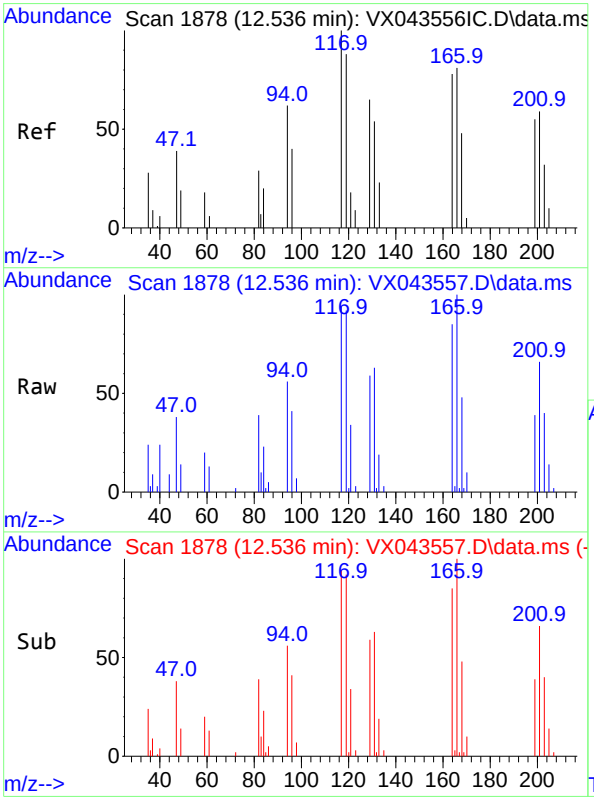
#89
n-Butylbenzene
Concen: 4.736 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 24922

Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.1	81.2
134	26.9	12.9	38.6

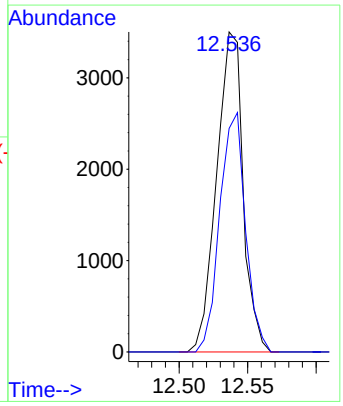


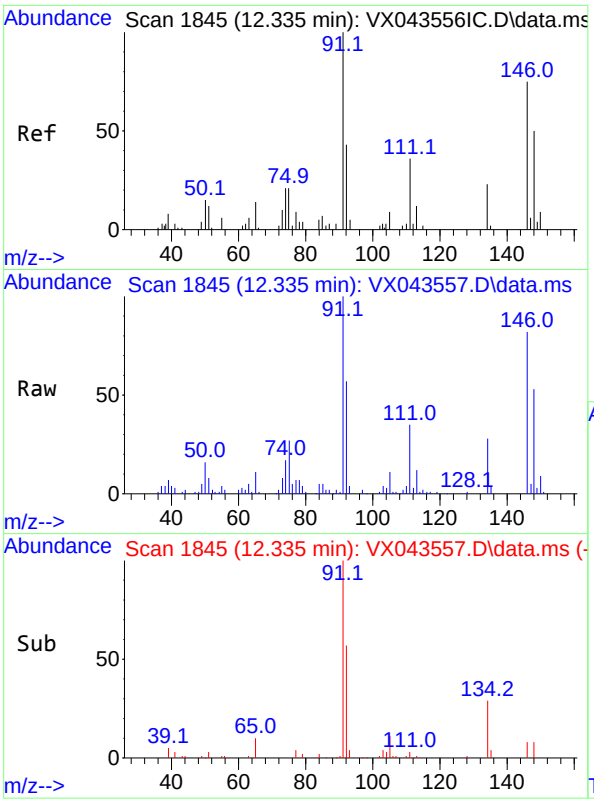


#90
Hexachloroethane
Concen: 4.480 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:117 Resp: 4704

Ion	Ratio	Lower	Upper
117	100		
201	72.9	32.9	98.7



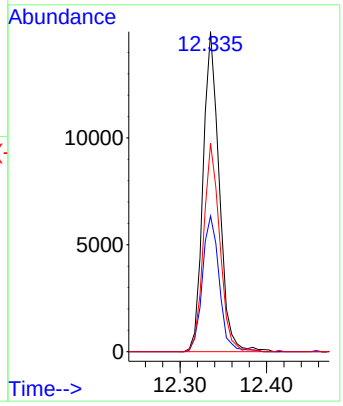


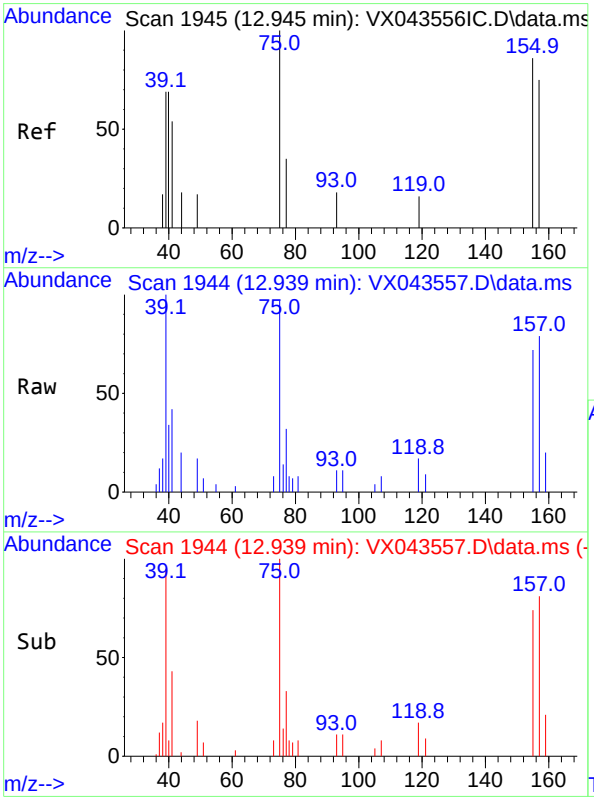
#91
1,2-Dichlorobenzene
Concen: 5.139 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 19394

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	65.5	31.6	95.0

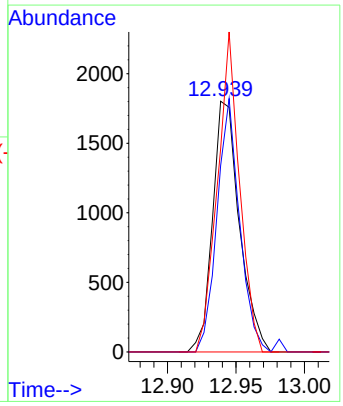


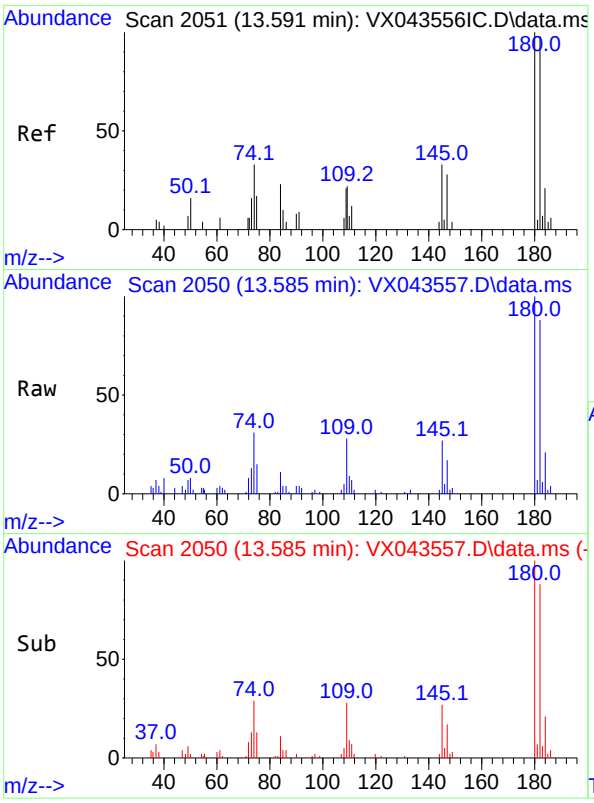


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.771 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion: 75 Resp: 2456

Ion	Ratio	Lower	Upper
75	100		
155	84.8	40.1	120.3
157	105.3	50.8	152.4



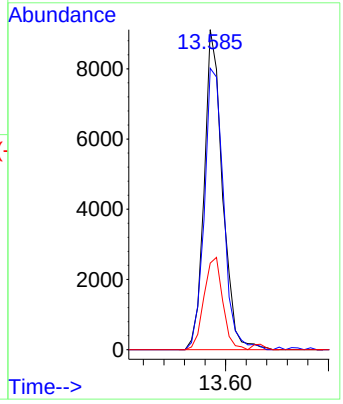


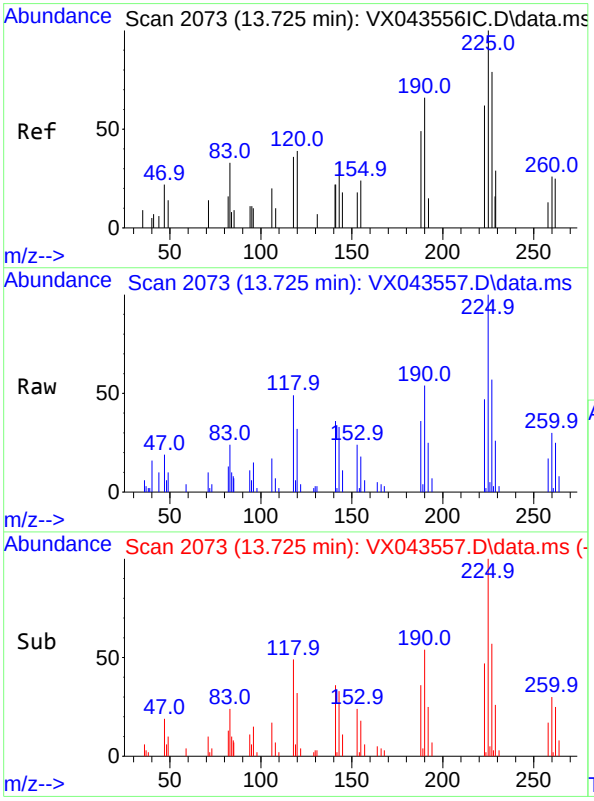
#93
1,2,4-Trichlorobenzene
Concen: 5.098 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 11267

Ion	Ratio	Lower	Upper
180	100		
182	92.3	46.8	140.4
145	29.5	16.1	48.3

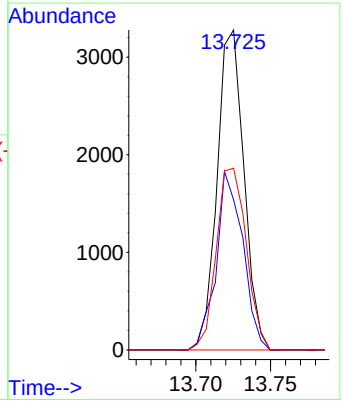


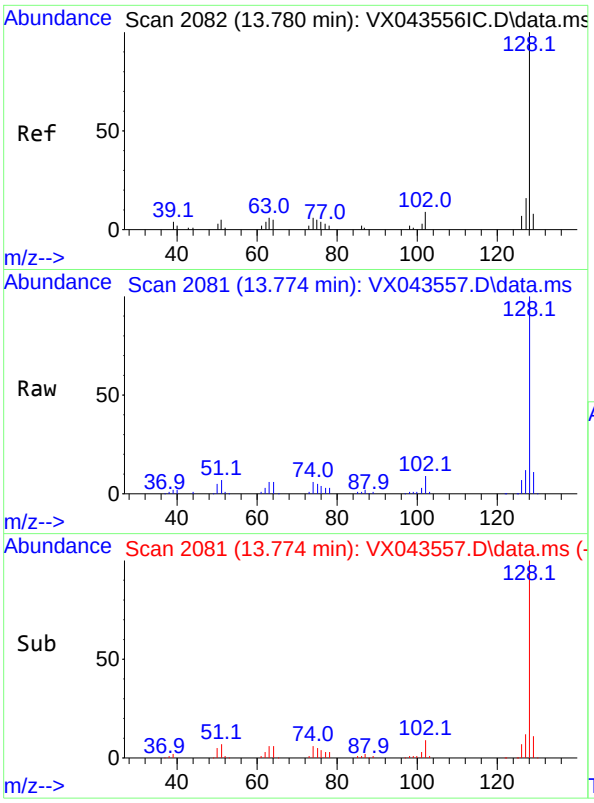


#94
Hexachlorobutadiene
Concen: 5.239 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:225 Resp: 4097

Ion	Ratio	Lower	Upper
225	100		
223	55.2	30.8	92.4
227	63.4	31.6	94.8



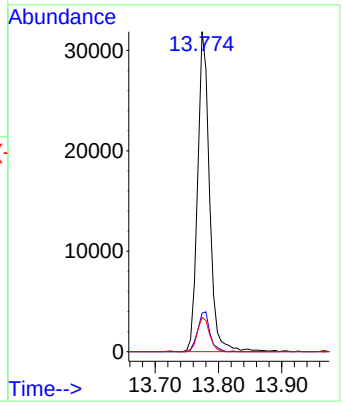


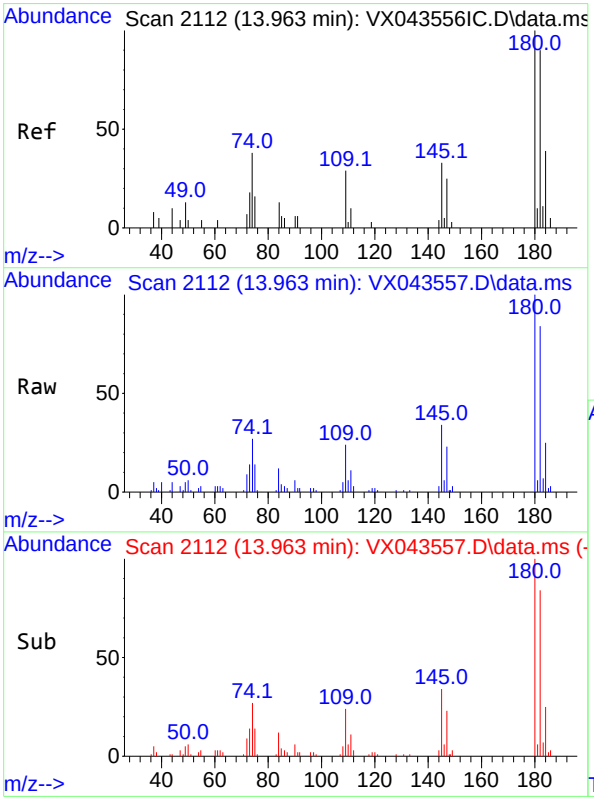
#95
Naphthalene
Concen: 4.613 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 41834

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.7	13.1

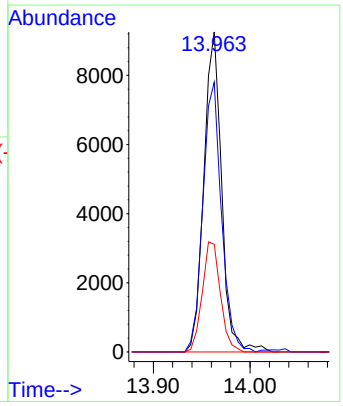




#96
1,2,3-Trichlorobenzene
Concen: 5.110 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043557.D
Acq: 28 Oct 2024 11:22

Tgt Ion:180 Resp: 11815

Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.1	141.3
145	35.2	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC020

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	159966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	119710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	50818	20.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.060%#		
35) Dibromofluoromethane	5.385	113	39238	20.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.460%#		
50) Toluene-d8	8.647	98	140572	20.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.800%#		
62) 4-Bromofluorobenzene	11.079	95	50243	20.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.900%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35334	19.816	ug/l	97
3) Chloromethane	1.294	50	43361	19.061	ug/l	99
4) Vinyl Chloride	1.374	62	40804	19.692	ug/l	99
5) Bromomethane	1.599	94	15764	19.478	ug/l	94
6) Chloroethane	1.666	64	13552	19.988	ug/l	100
7) Trichlorofluoromethane	1.861	101	45410	16.698	ug/l	99
8) Diethyl Ether	2.136	74	22721	19.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	33400	19.458	ug/l	98
10) Methyl Iodide	2.441	142	48753	20.510	ug/l	97
11) Tert butyl alcohol	3.014	59	11409	21.051	ug/l #	100
12) 1,1-Dichloroethene	2.300	96	33343	19.757	ug/l	98
13) Acrolein	2.239	56	38776	90.794	ug/l	99
14) Allyl chloride	2.654	41	57560	19.220	ug/l	99
15) Acrylonitrile	3.075	53	105959	88.256	ug/l	98
16) Acetone	2.398	43	93987	86.771	ug/l	99
17) Carbon Disulfide	2.495	76	64452	18.450	ug/l	100
18) Methyl Acetate	2.709	43	56319	17.301	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	130430	19.863	ug/l	96
20) Methylene Chloride	2.782	84	42392	20.027	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	36925	20.210	ug/l	97
22) Diisopropyl ether	3.770	45	126839	20.521	ug/l	93
23) Vinyl Acetate	3.721	43	514244	100.709	ug/l	99
24) 1,1-Dichloroethane	3.605	63	70569	20.241	ug/l	98
25) 2-Butanone	4.574	43	146114	88.817	ug/l	98
26) 2,2-Dichloropropane	4.465	77	57622	22.931	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	45798	20.118	ug/l	99
28) Bromochloromethane	4.897	49	33980	19.701	ug/l	100
29) Tetrahydrofuran	5.013	42	95553	88.955	ug/l	100
30) Chloroform	5.086	83	74554	19.996	ug/l	95
31) Cyclohexane	5.464	56	56622	20.469	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62556	19.966	ug/l	98
36) 1,1-Dichloropropene	5.684	75	47520	20.699	ug/l	99
37) Ethyl Acetate	4.727	43	58054	18.528	ug/l	100
38) Carbon Tetrachloride	5.666	117	49282	18.891	ug/l	96
39) Methylcyclohexane	7.373	83	59999	20.379	ug/l	98
40) Benzene	6.031	78	161123	20.995	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	30325	19.241	ug/l		95
42) 1,2-Dichloroethane	6.086	62	58281	20.645	ug/l		99
43) Isopropyl Acetate	6.348	43	92676	18.698	ug/l		98
44) Trichloroethene	7.123	130	39344	21.623	ug/l		94
45) 1,2-Dichloropropane	7.427	63	37857	20.200	ug/l		93
46) Dibromomethane	7.580	93	30097	20.905	ug/l		99
47) Bromodichloromethane	7.824	83	50694	19.849	ug/l		100
48) Methyl methacrylate	7.696	41	45592	19.703	ug/l		99
49) 1,4-Dioxane	7.683	88	15361	258.381	ug/l	#	75
51) 4-Methyl-2-Pentanone	8.580	43	295125	93.974	ug/l		100
52) Toluene	8.720	92	100958	21.337	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	56483	21.853	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	62338	21.962	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	40197	20.132	ug/l		99
56) Ethyl methacrylate	9.116	69	65359	20.255	ug/l		97
57) 1,3-Dichloropropane	9.305	76	68675	20.831	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	167179	105.324	ug/l		98
59) 2-Hexanone	9.433	43	221604	93.320	ug/l		100
60) Dibromochloromethane	9.519	129	38713	20.721	ug/l		99
61) 1,2-Dibromoethane	9.610	107	42059	20.896	ug/l		97
64) Tetrachloroethene	9.269	164	33267	20.871	ug/l		90
65) Chlorobenzene	10.079	112	110251	20.814	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	35663	19.934	ug/l		98
67) Ethyl Benzene	10.189	91	183192	20.790	ug/l		98
68) m/p-Xylenes	10.299	106	144291	43.222	ug/l		96
69) o-Xylene	10.640	106	71049	20.704	ug/l		98
70) Styrene	10.652	104	119564	21.527	ug/l		100
71) Bromoform	10.799	173	23453	19.445	ug/l	#	98
73) Isopropylbenzene	10.963	105	177401	20.733	ug/l		99
74) N-amyl acetate	10.841	43	83132	19.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	63016	19.225	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	64963	23.344	ug/l		84
77) Bromobenzene	11.195	156	44364	20.310	ug/l		98
78) n-propylbenzene	11.305	91	194707	21.351	ug/l		100
79) 2-Chlorotoluene	11.366	91	126983	20.753	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	149254	21.008	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	17057	18.703	ug/l		96
82) 4-Chlorotoluene	11.451	91	140875	20.804	ug/l		98
83) tert-Butylbenzene	11.713	119	150766	20.809	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	152608	21.002	ug/l		99
85) sec-Butylbenzene	11.890	105	178042	21.218	ug/l		98
86) p-Isopropyltoluene	12.006	119	149537	21.511	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	78867	20.122	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	81095	20.525	ug/l		99
89) n-Butylbenzene	12.329	91	120461	21.375	ug/l		99
90) Hexachloroethane	12.536	117	22769	20.246	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	81283	20.112	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	17.603	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	47851	20.219	ug/l		99
94) Hexachlorobutadiene	13.725	225	18082	21.589	ug/l		97
95) Naphthalene	13.774	128	191837	19.754	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	51568	20.826	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

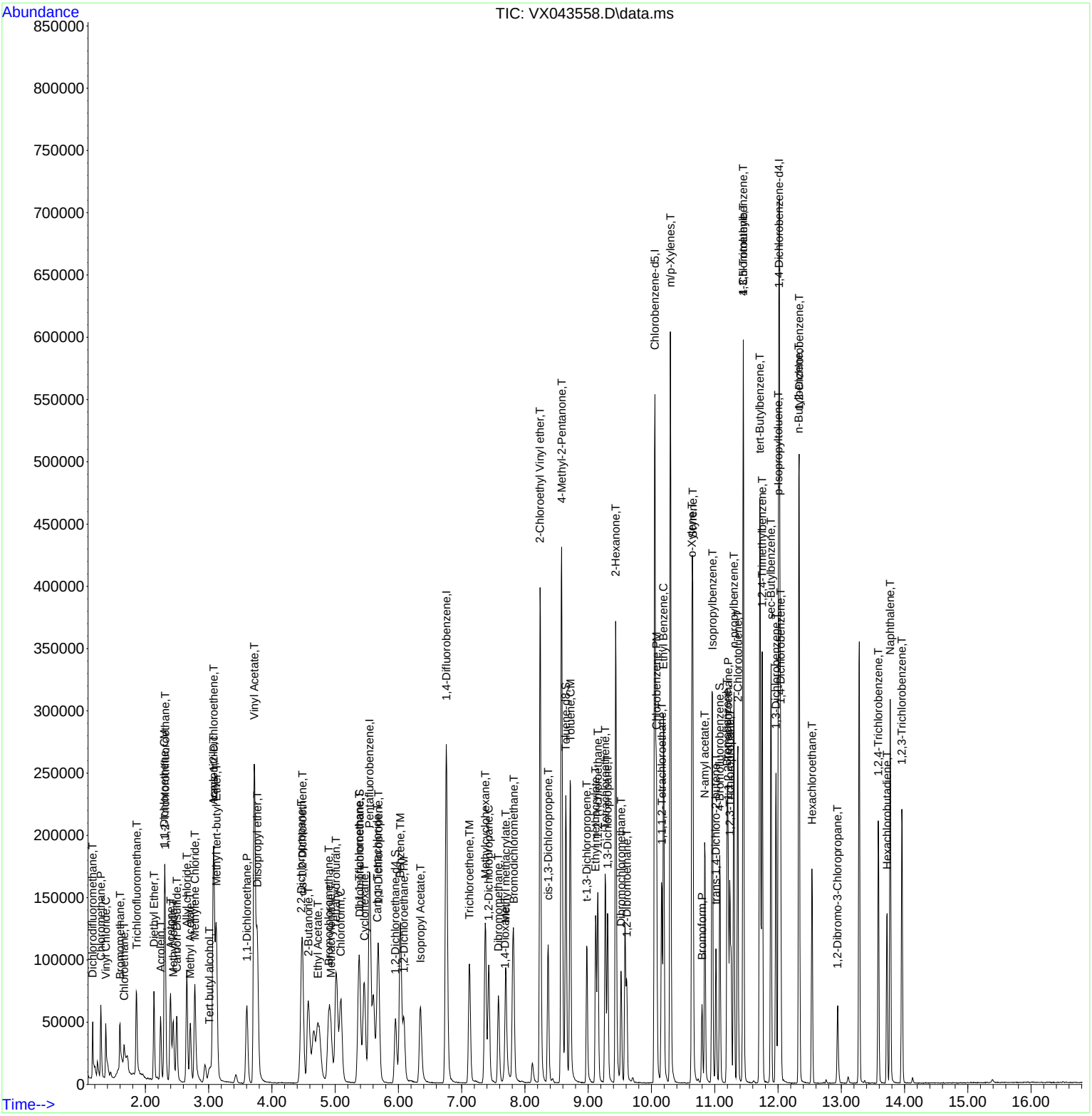
(#) = qualifier out of range (m) = manual integration (+) = signals summed

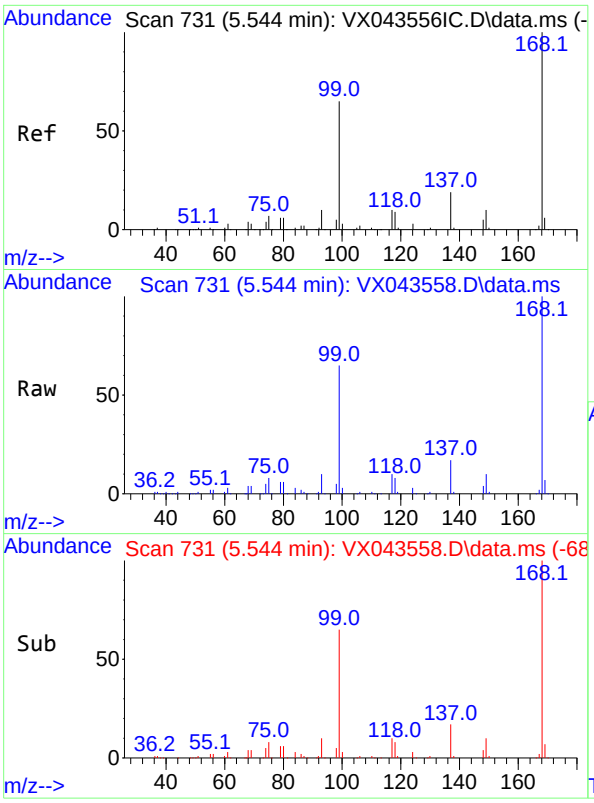
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration



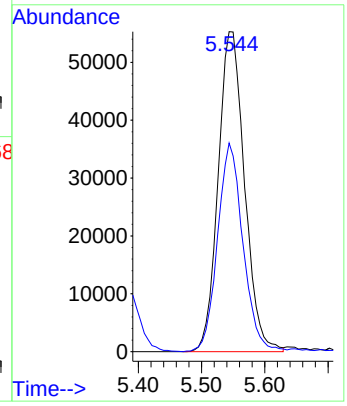


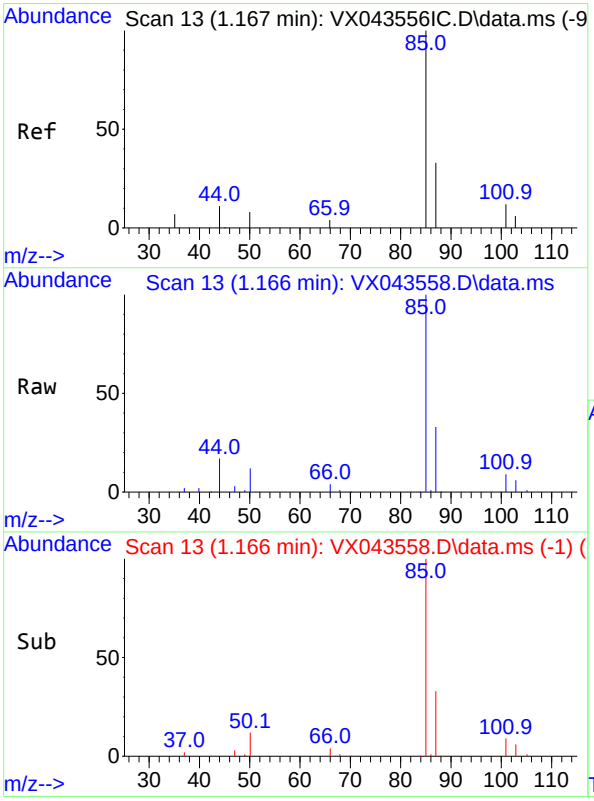
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 159966

Ion	Ratio	Lower	Upper
168	100		
99	65.2	52.6	78.8

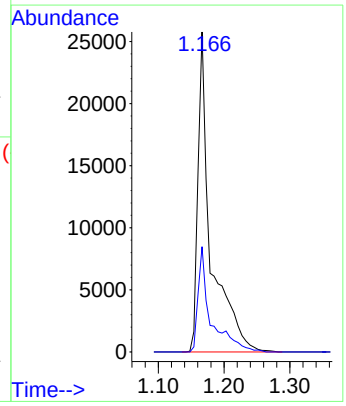


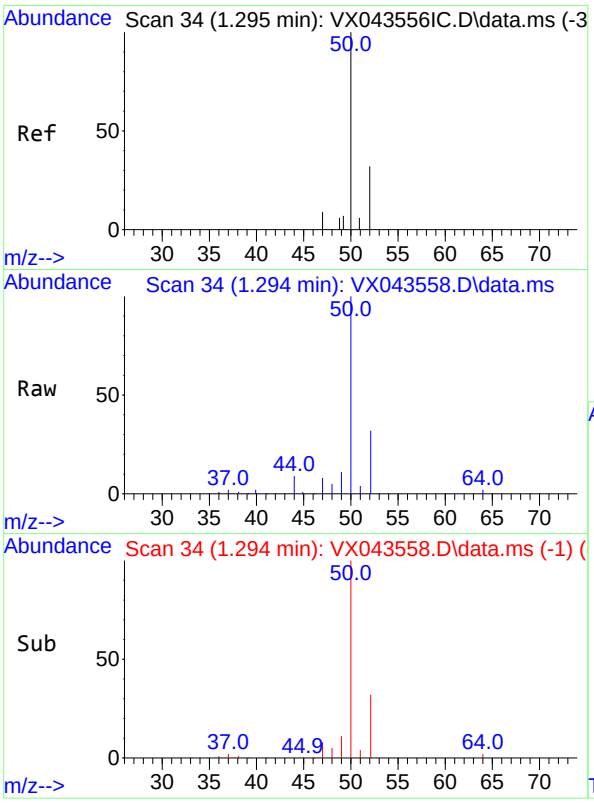


#2
Dichlorodifluoromethane
Concen: 19.816 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 85 Resp: 35334

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.7	47.0



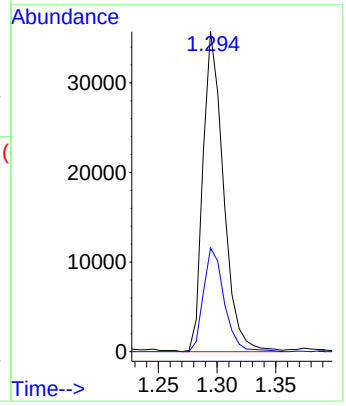


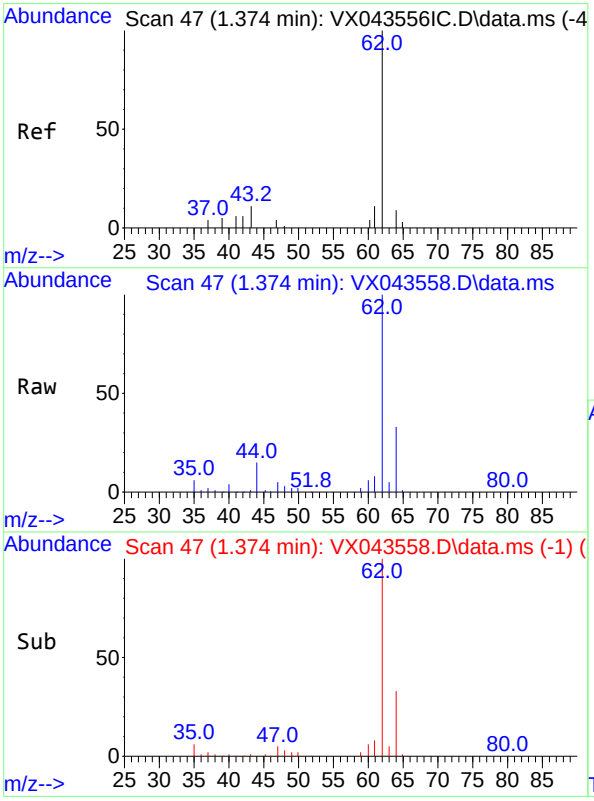
#3
Chloromethane
Concen: 19.061 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 43361

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5

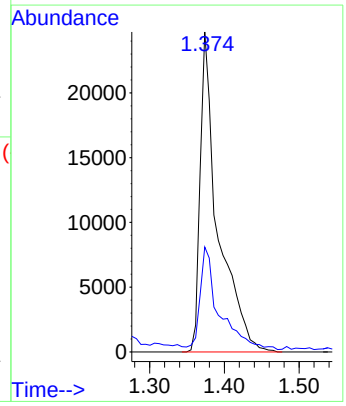


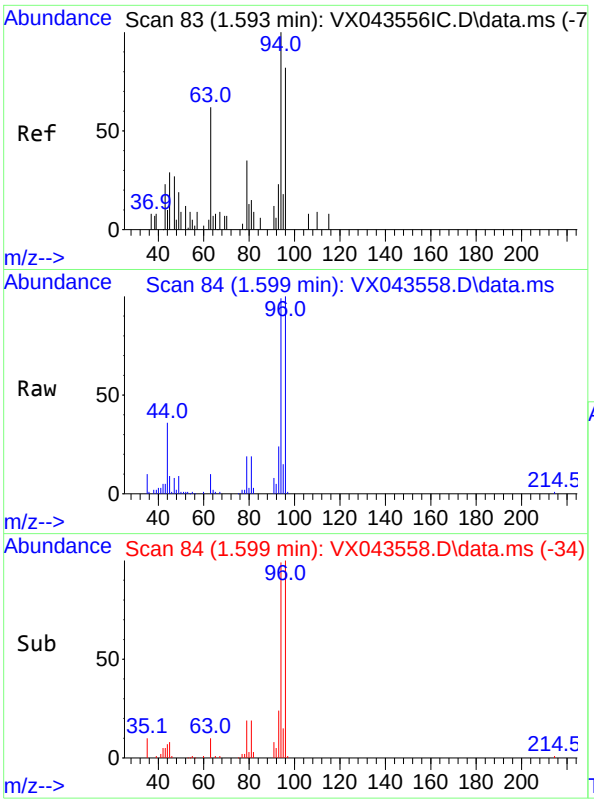


#4
Vinyl Chloride
Concen: 19.692 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 62 Resp: 40804

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.0	37.4



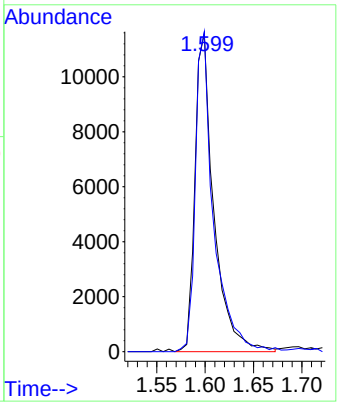


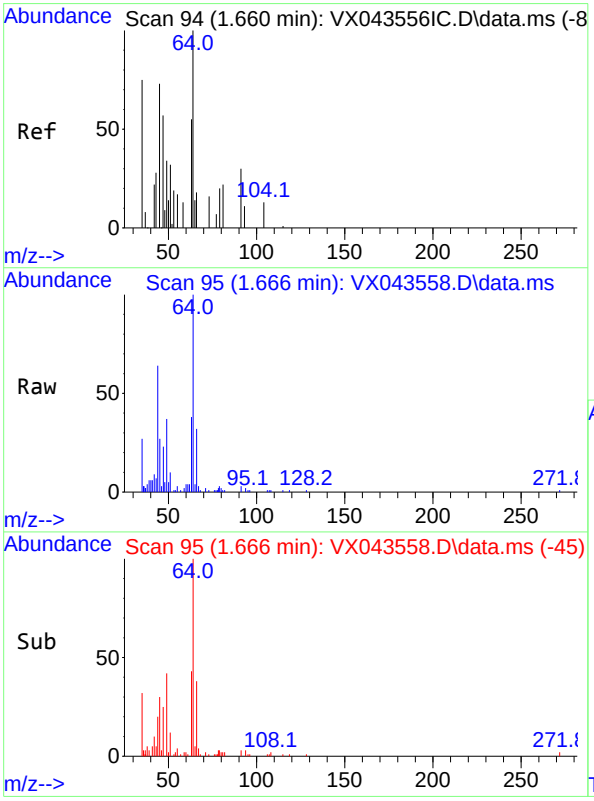
#5
Bromomethane
Concen: 19.478 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 15764

Ion	Ratio	Lower	Upper
94	100		
96	100.6	75.9	113.9

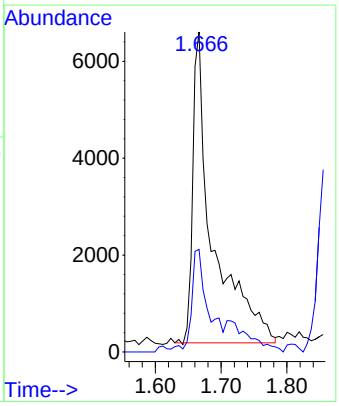


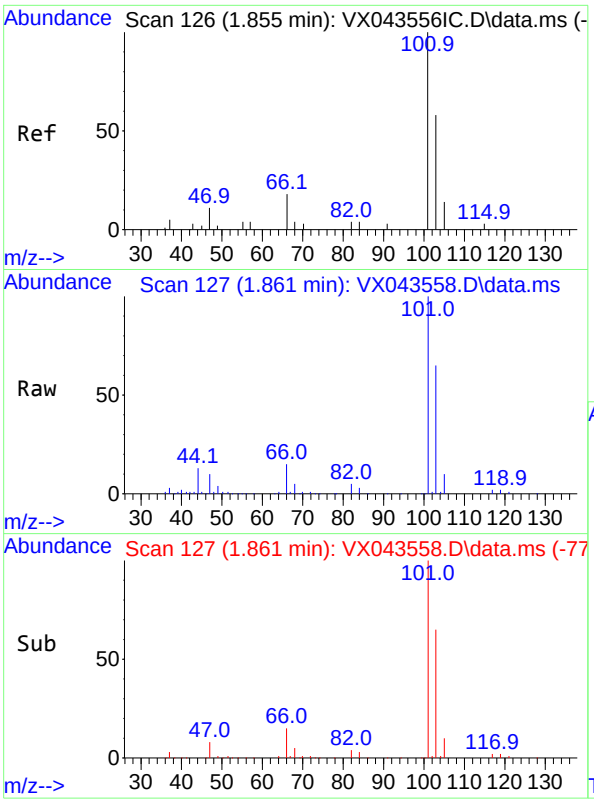


#6
Chloroethane
Concen: 19.988 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 64 Resp: 13552

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.1	37.7



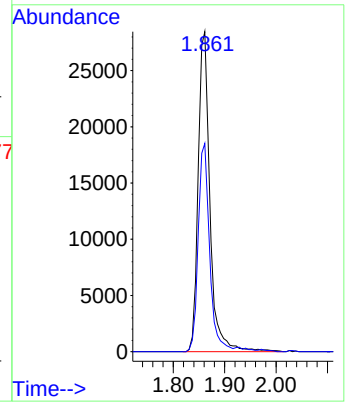


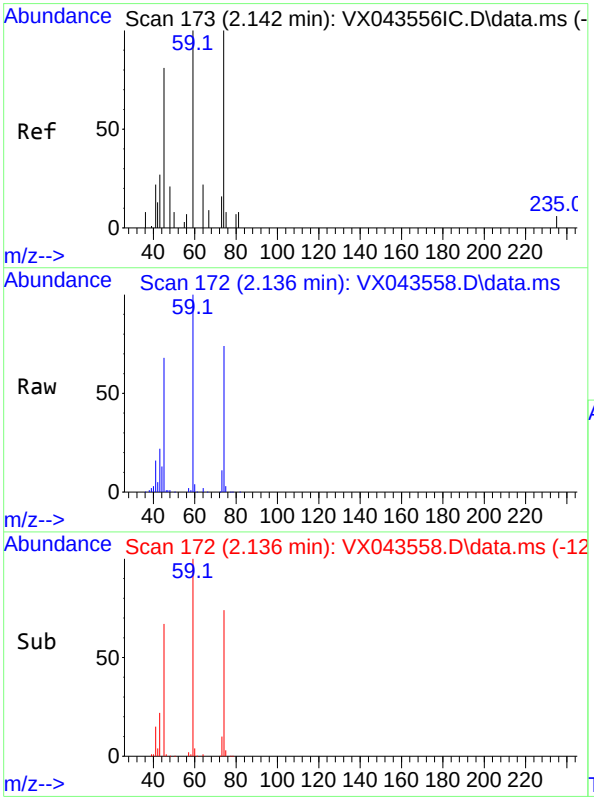
#7
Trichlorofluoromethane
Concen: 16.698 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 45410

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9

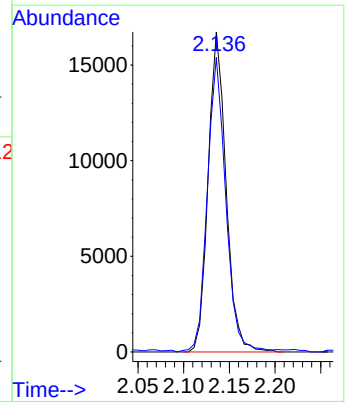


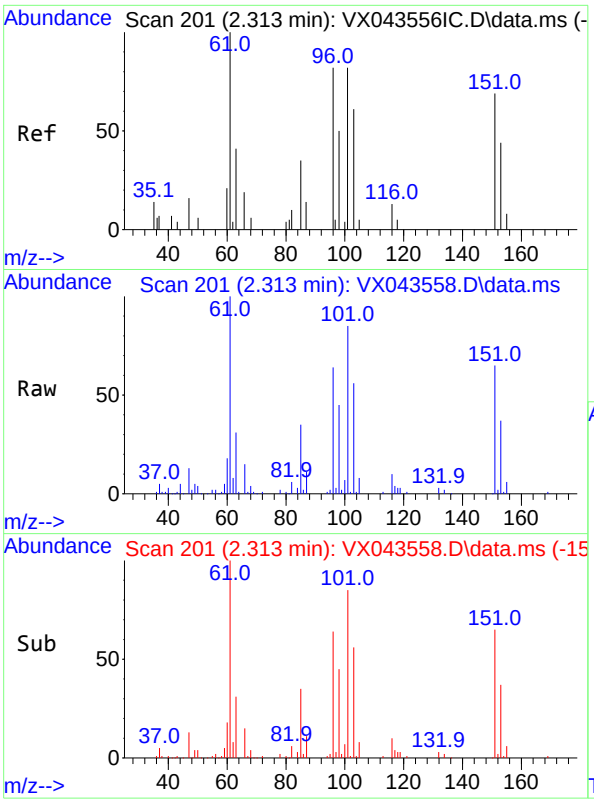


#8
Diethyl Ether
Concen: 19.128 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 74 Resp: 22721

Ion	Ratio	Lower	Upper
74	100		
45	94.9	47.5	142.5



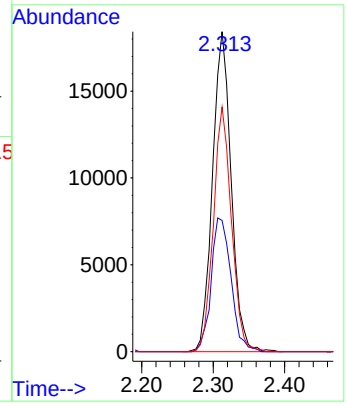


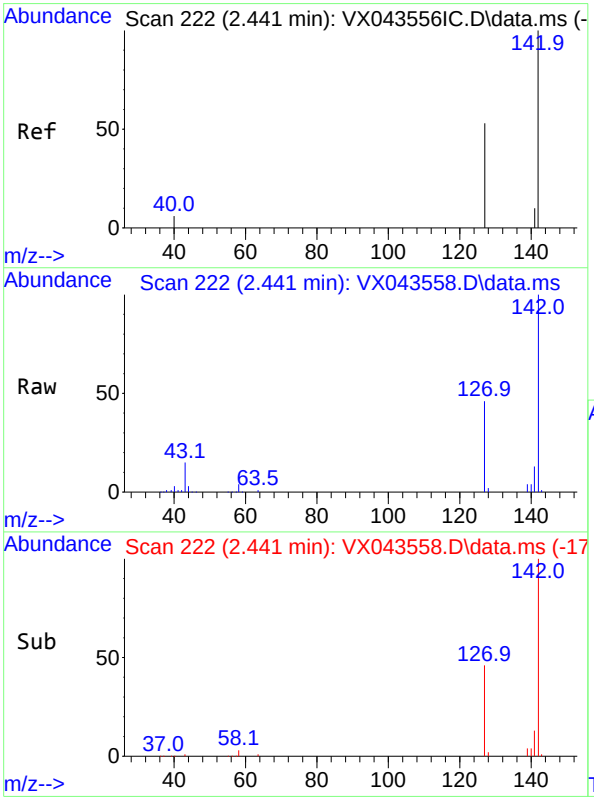
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.458 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 33400

Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.5	51.7
151	74.1	58.2	87.2

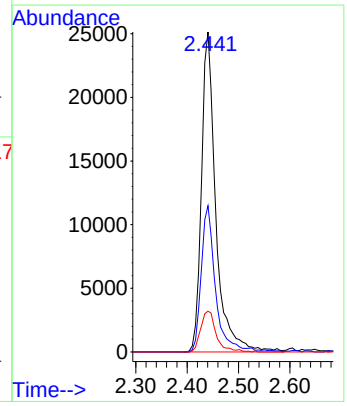


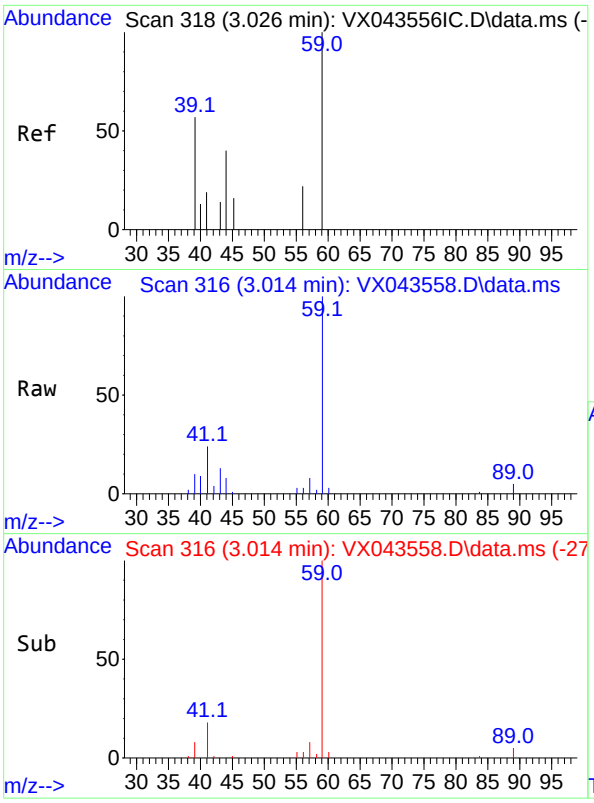


#10
Methyl Iodide
Concen: 20.510 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:142 Resp: 48753

Ion	Ratio	Lower	Upper
142	100		
127	45.7	38.2	57.4
141	13.8	11.5	17.3



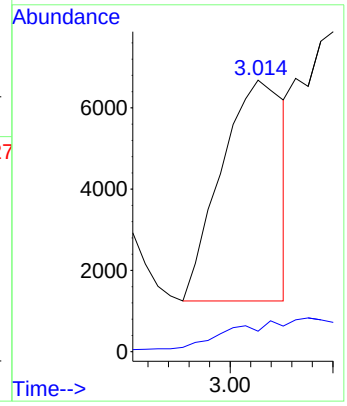


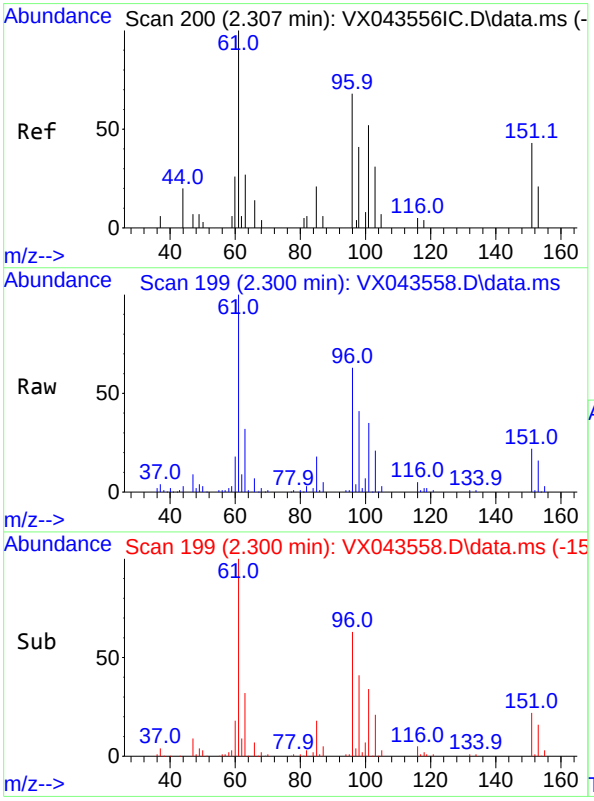
#11
Tert butyl alcohol
Concen: 21.051 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.037 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 11409

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

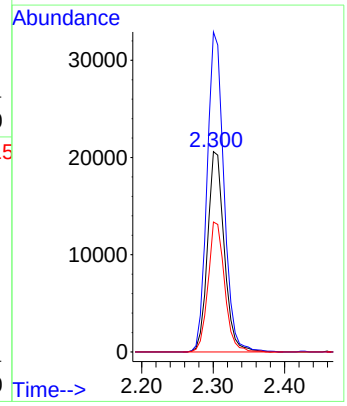


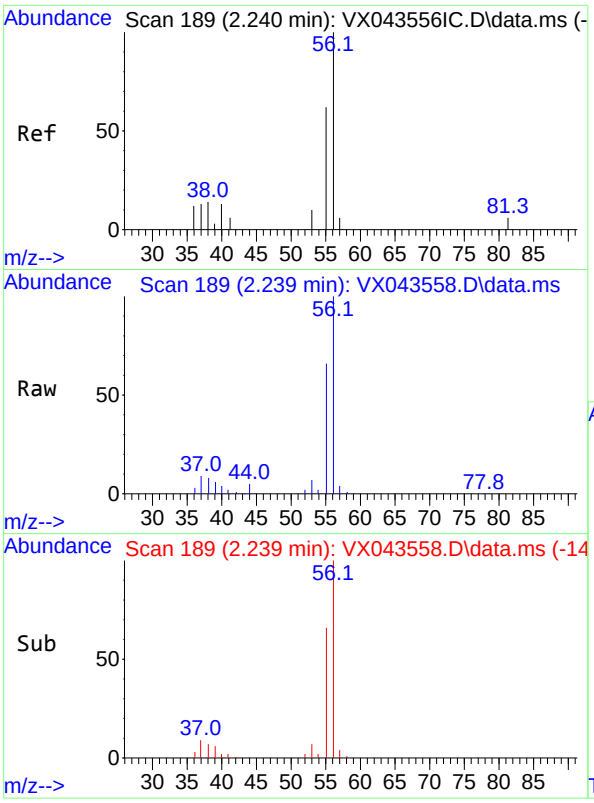


#12
1,1-Dichloroethene
Concen: 19.757 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 96 Resp: 33343

Ion	Ratio	Lower	Upper
96	100		
61	159.7	130.2	195.4
98	64.8	51.0	76.6



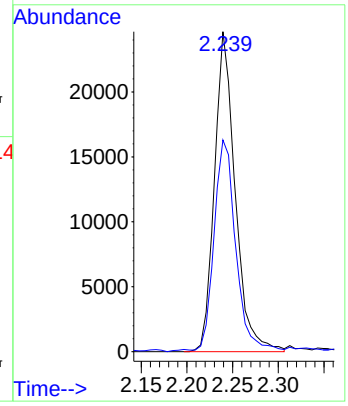


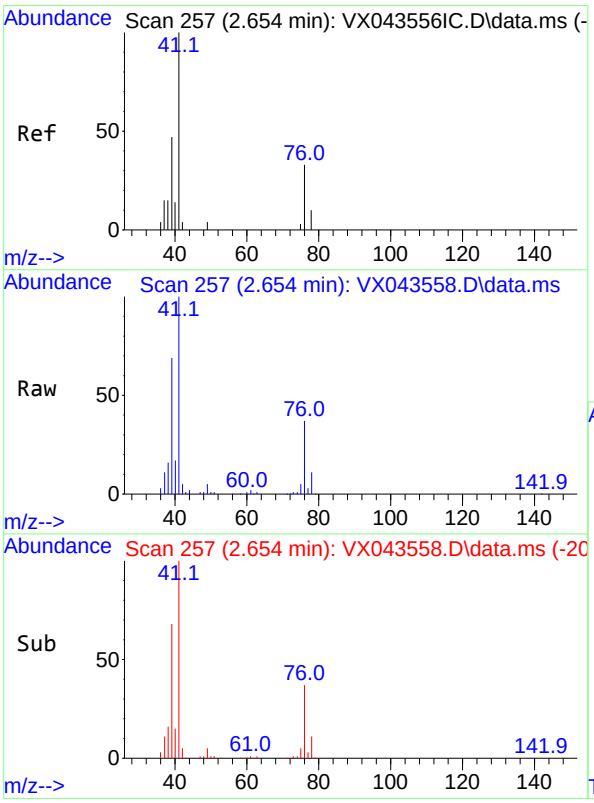
#13
Acrolein
Concen: 90.794 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 38776

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.3	82.9

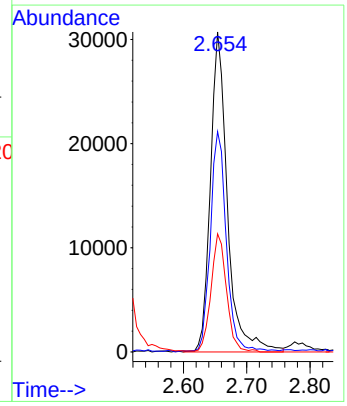


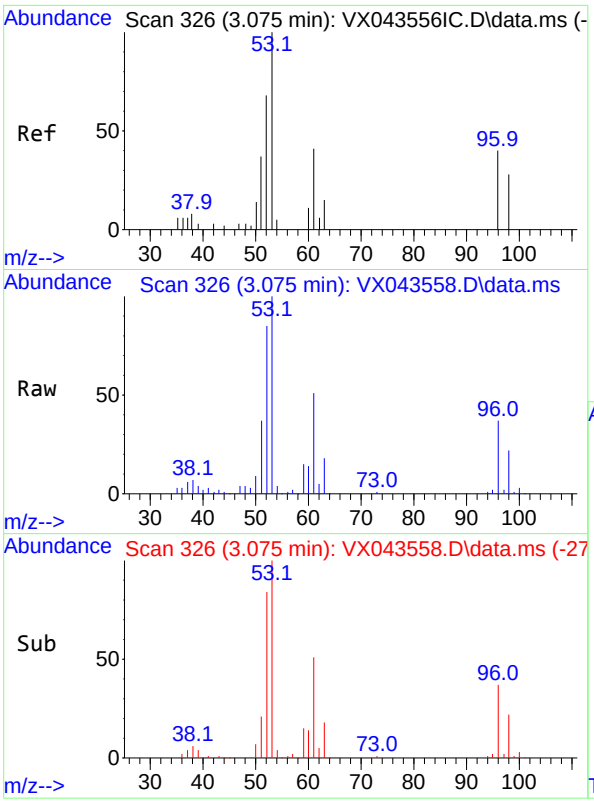


#14
Allyl chloride
Concen: 19.220 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 41 Resp: 57560

Ion	Ratio	Lower	Upper
41	100		
39	65.4	53.2	79.8
76	33.6	27.0	40.6



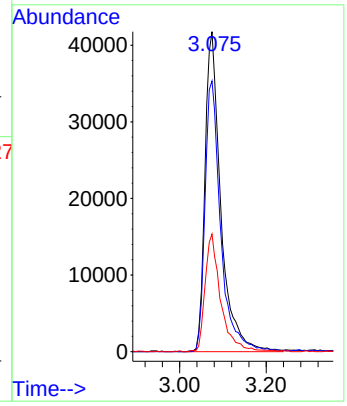


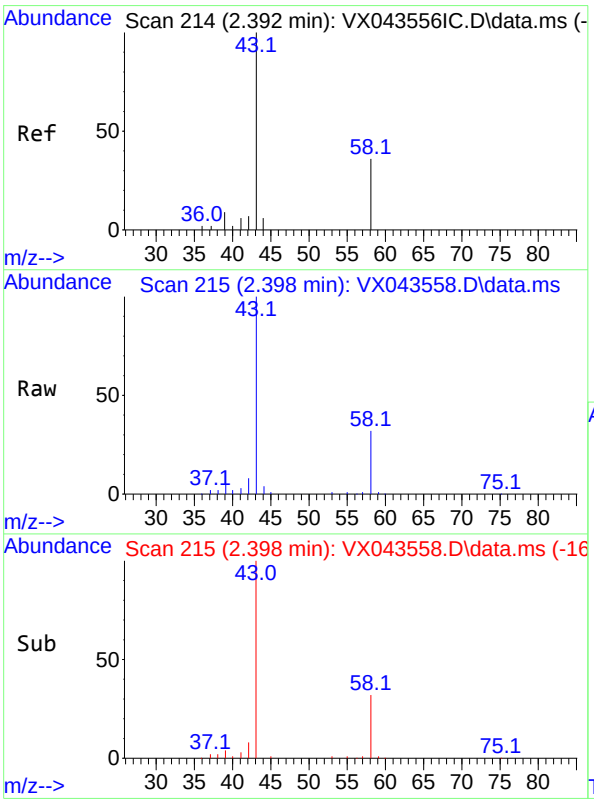
#15
Acrylonitrile
Concen: 88.256 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 105959

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.8	98.6
51	36.5	28.5	42.7

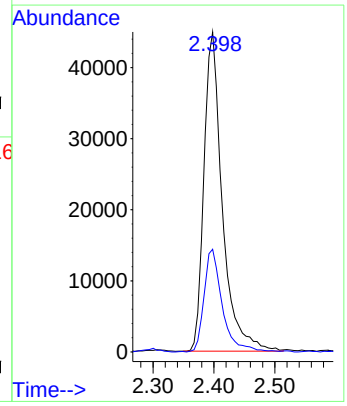


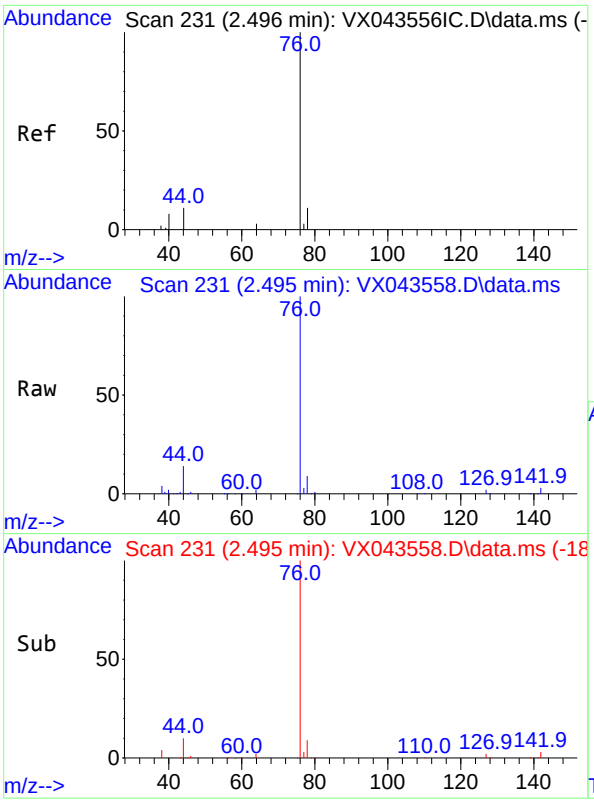


#16
Acetone
Concen: 86.771 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 93987

Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7



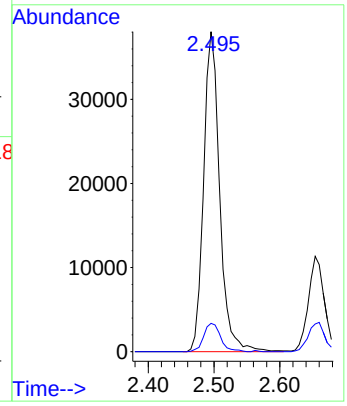


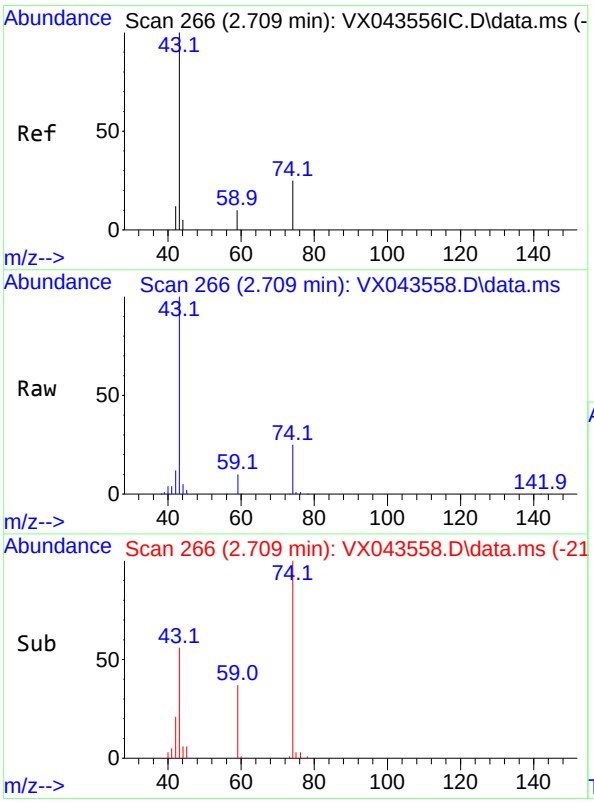
#17
Carbon Disulfide
Concen: 18.450 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 64452

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

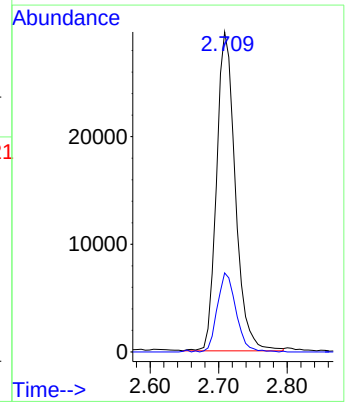


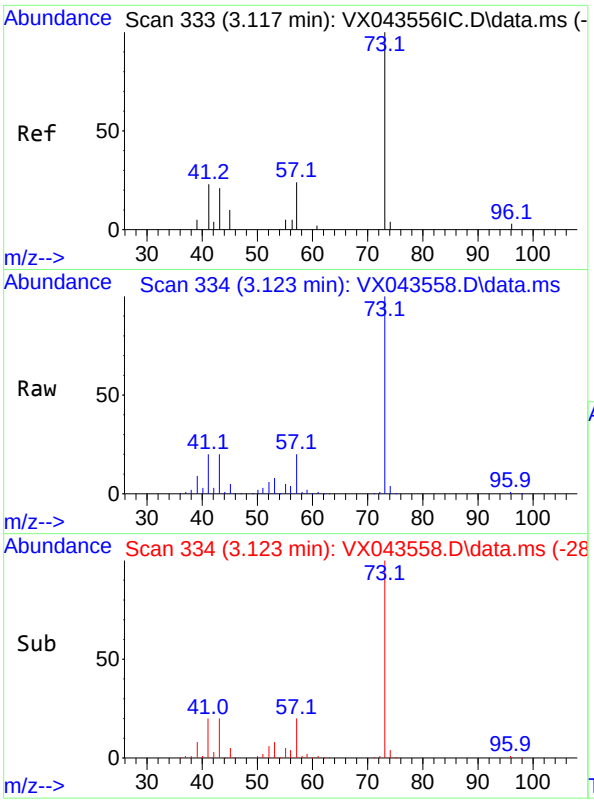


#18
Methyl Acetate
Concen: 17.301 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 56319

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.1	28.7



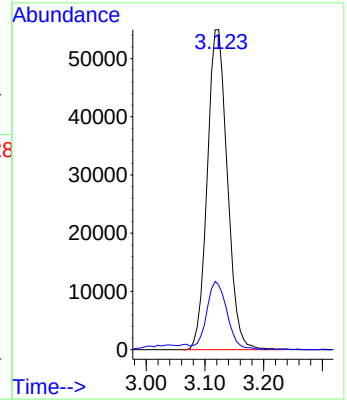


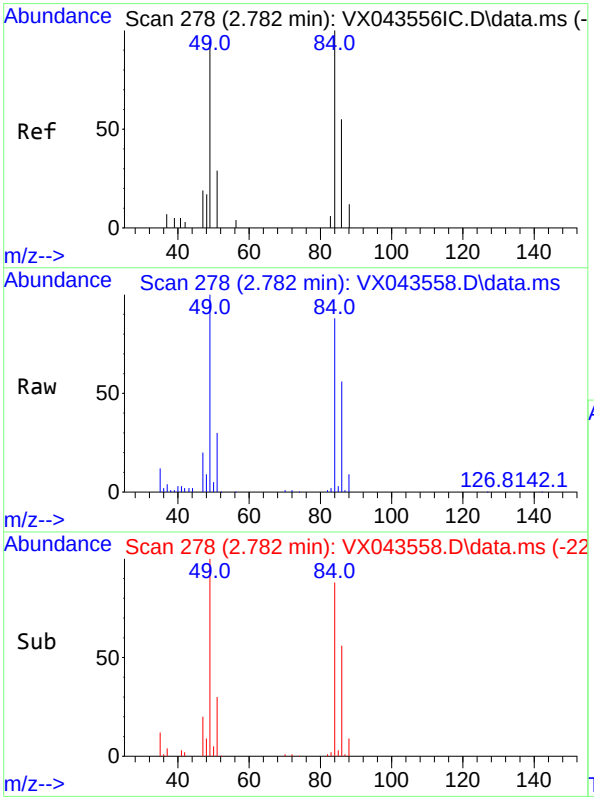
#19
Methyl tert-butyl Ether
Concen: 19.863 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 130430

Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.7	26.5

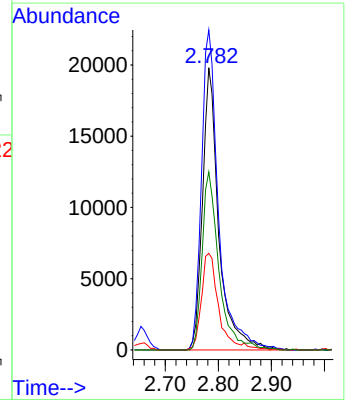


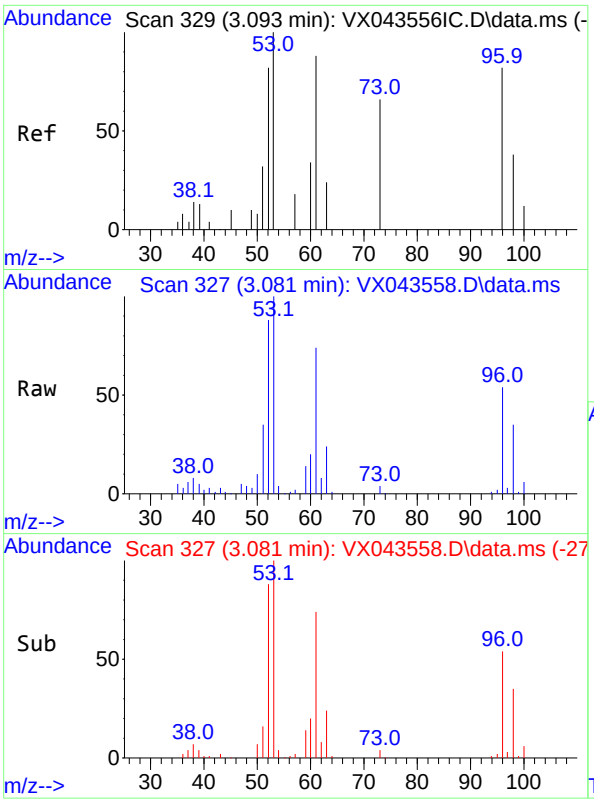


#20
Methylene Chloride
Concen: 20.027 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 84 Resp: 42392

Ion	Ratio	Lower	Upper
84	100		
49	113.4	97.0	145.6
51	34.2	29.8	44.8
86	63.1	53.1	79.7



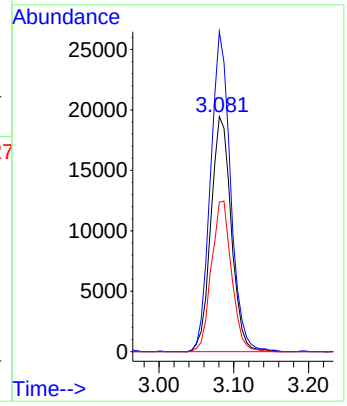


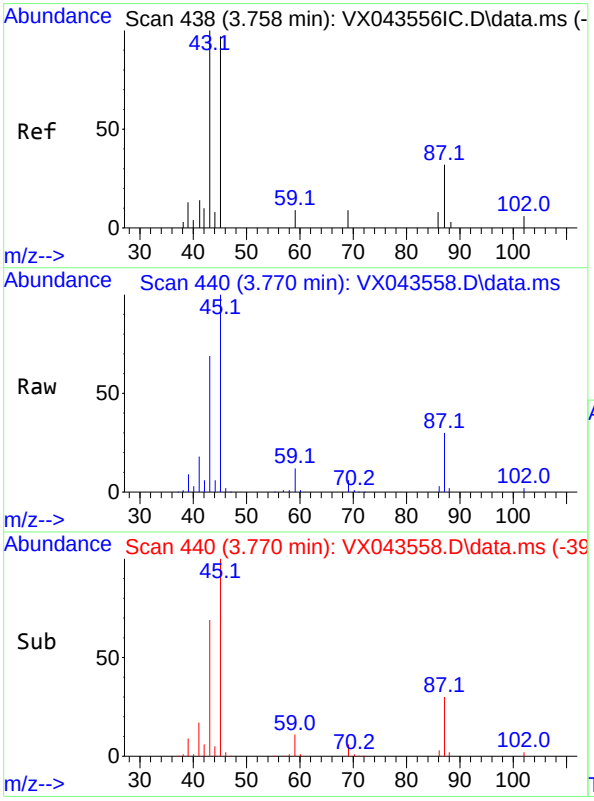
#21
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 36925

Ion	Ratio	Lower	Upper
96	100		
61	136.1	107.1	160.7
98	63.6	47.7	71.5

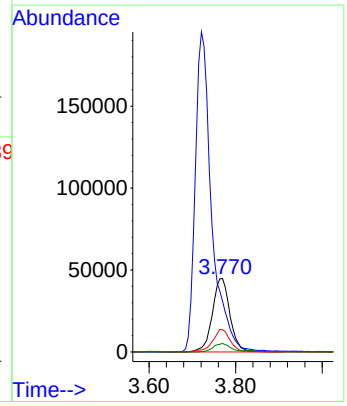


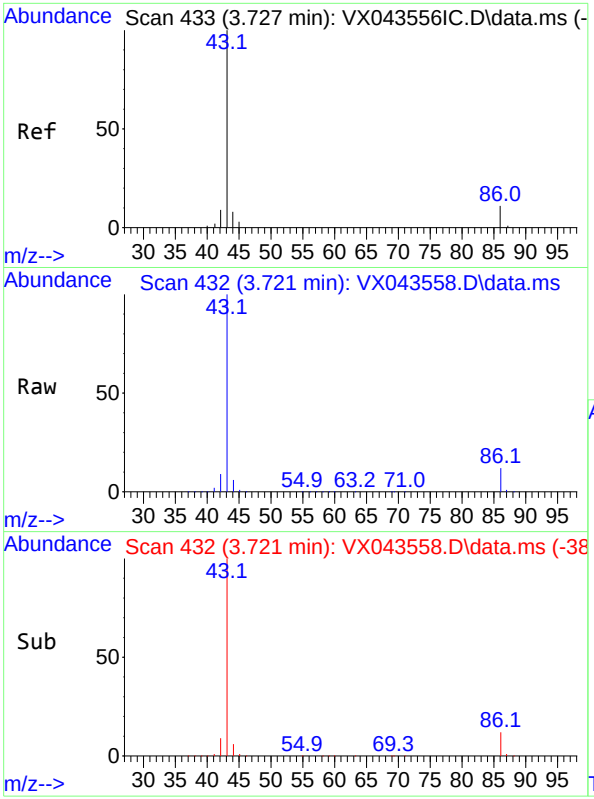


#22
Diisopropyl ether
Concen: 20.521 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 45 Resp: 126839

Ion	Ratio	Lower	Upper
45	100		
43	68.2	60.6	90.8
87	30.2	22.0	33.0
59	11.6	9.5	14.3



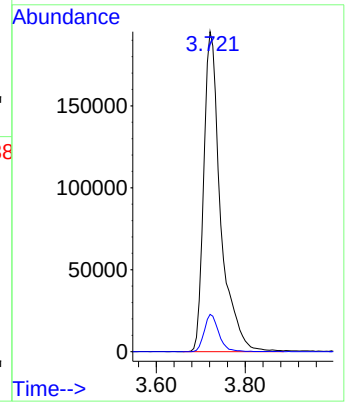


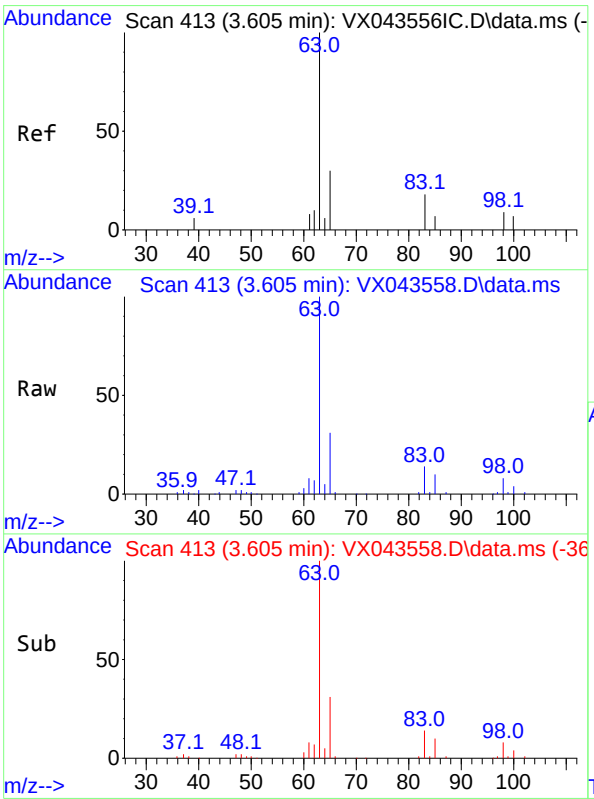
#23
Vinyl Acetate
Concen: 100.709 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 514244

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

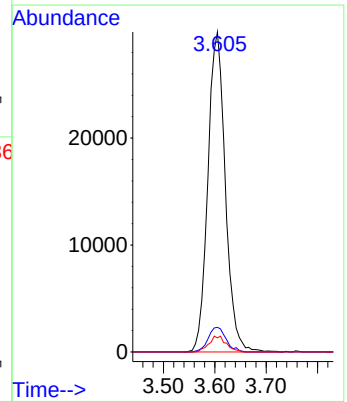


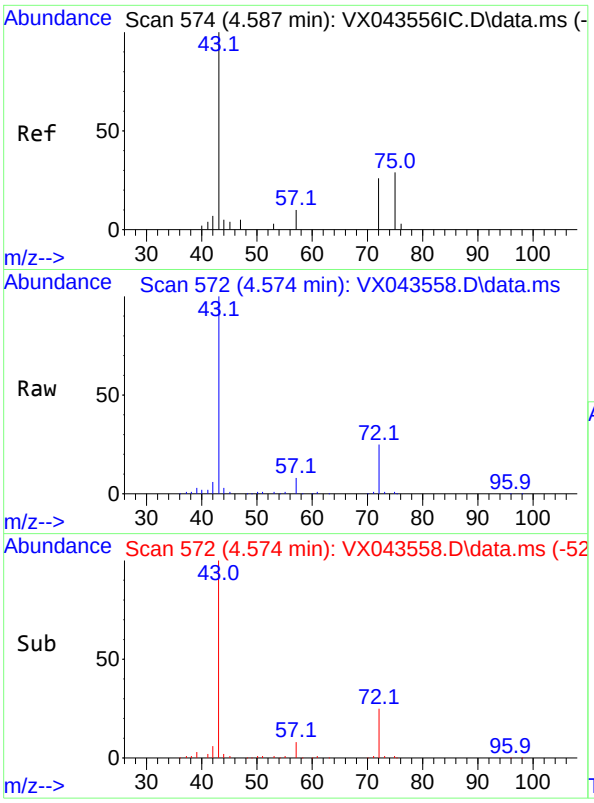


#24
1,1-Dichloroethane
Concen: 20.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 63 Resp: 70569

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.4
100	4.4	2.4	7.2



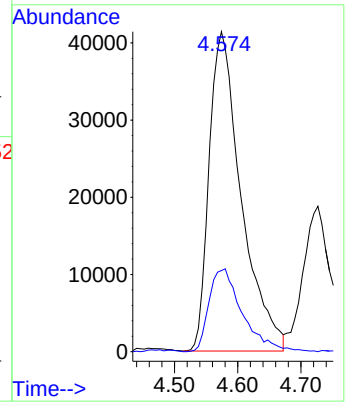


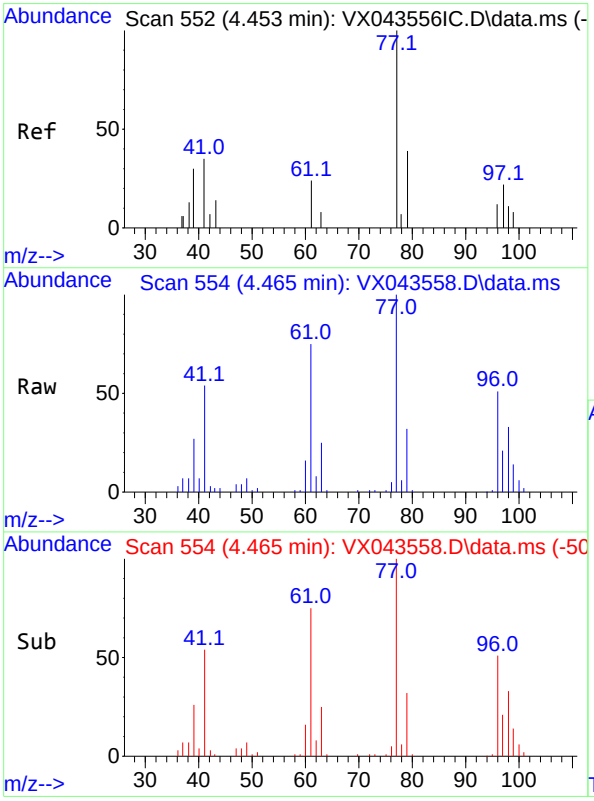
#25
2-Butanone
Concen: 88.817 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 146114

Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.1	31.7

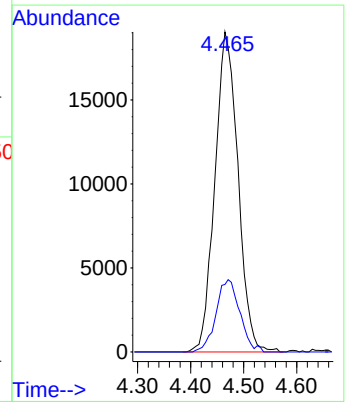


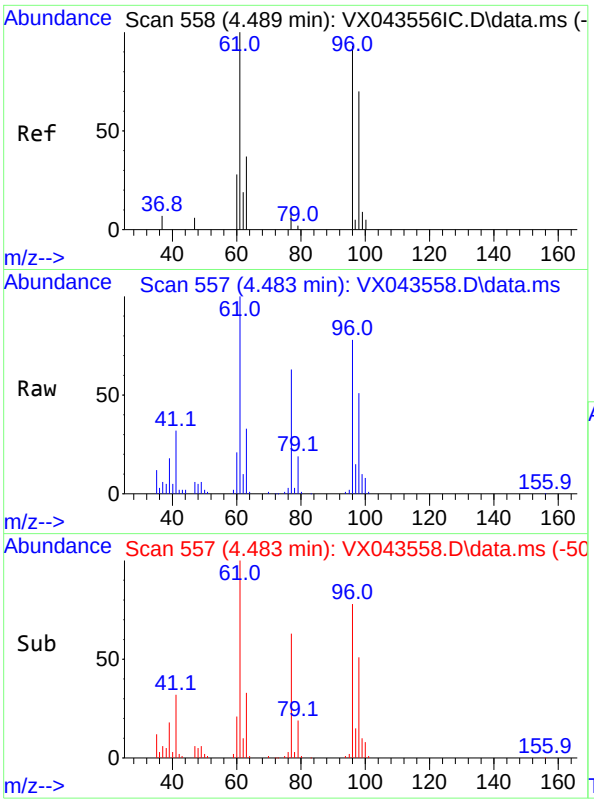


#26
2,2-Dichloropropane
Concen: 22.931 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 77 Resp: 57622

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8



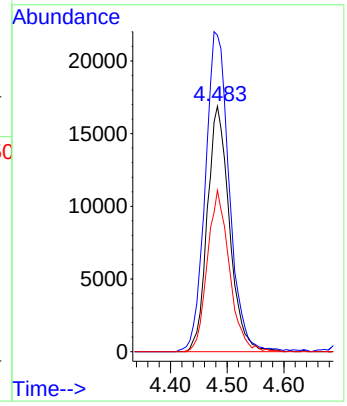


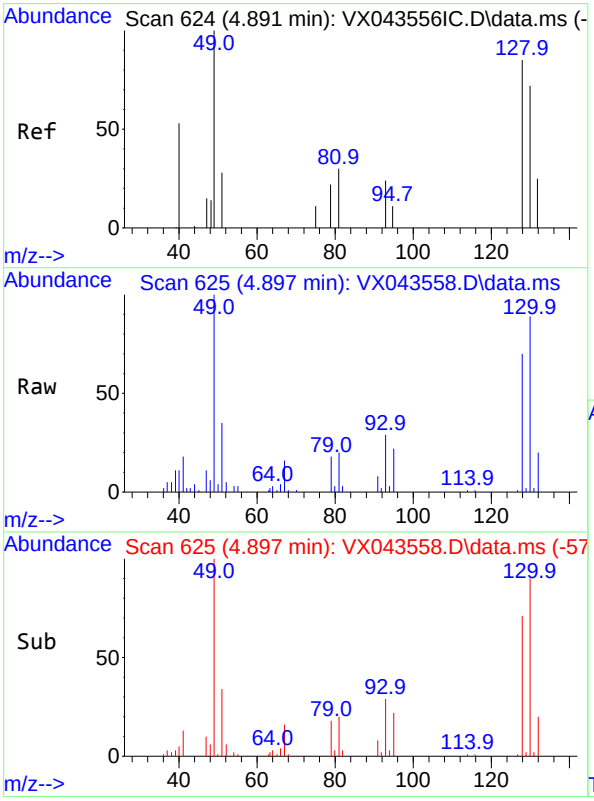
#27
cis-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 45798

Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	277.2
98	65.4	0.0	131.6

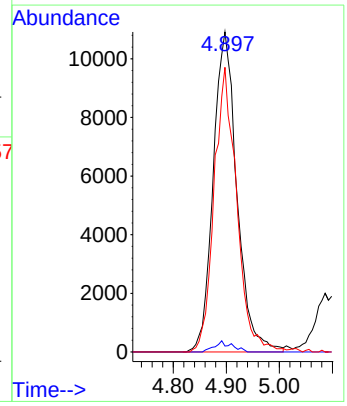


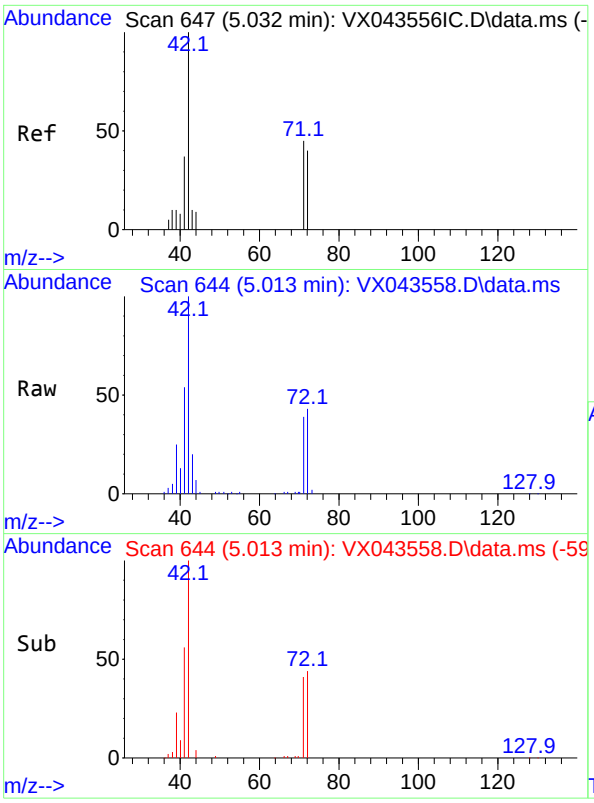


#28
Bromochloromethane
Concen: 19.701 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 49 Resp: 33980

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	84.5	67.8	101.8



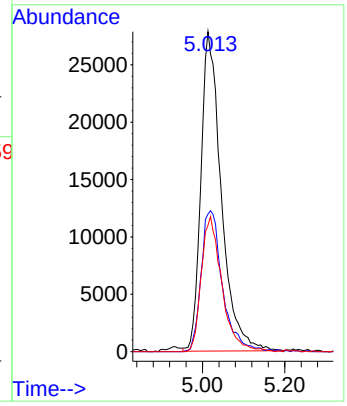


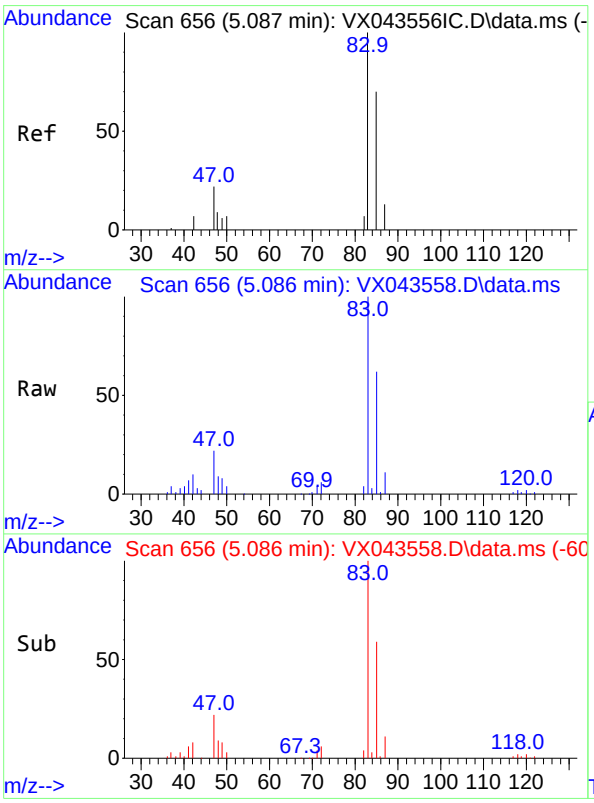
#29
Tetrahydrofuran
Concen: 88.955 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 95553

Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	55.0
71	42.8	34.2	51.4

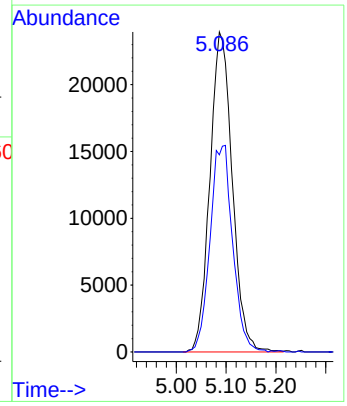


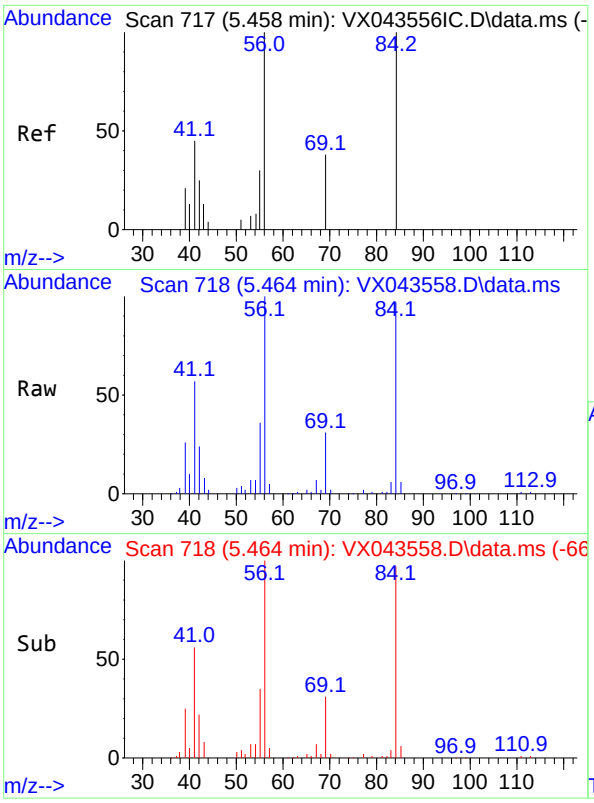


#30
Chloroform
Concen: 19.996 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 83 Resp: 74554

Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.2	78.4



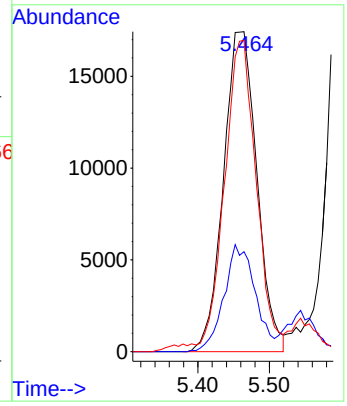


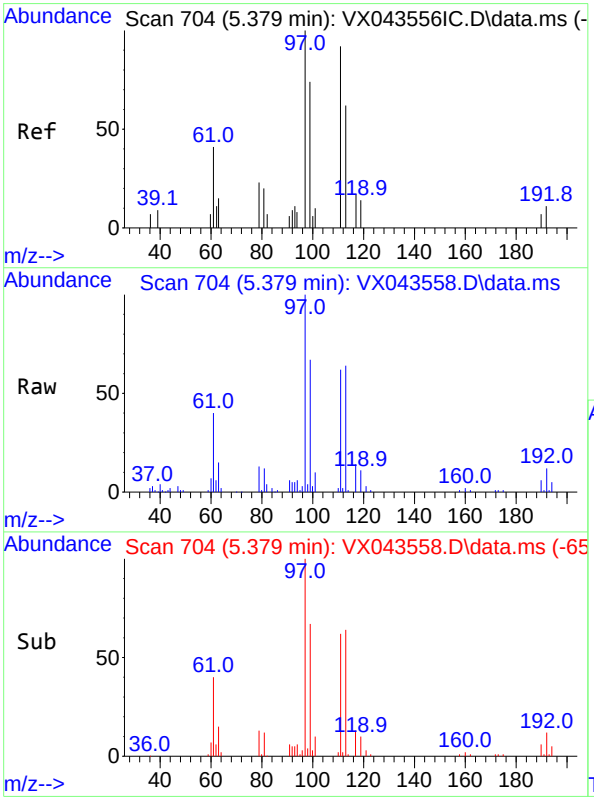
#31
Cyclohexane
Concen: 20.469 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 56622

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.9	37.3
84	94.9	73.3	109.9

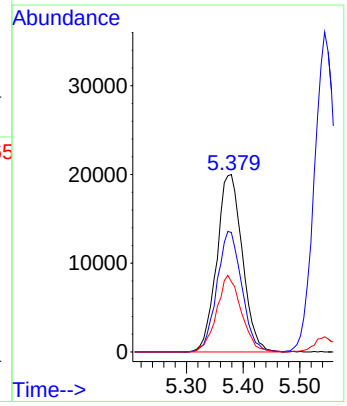


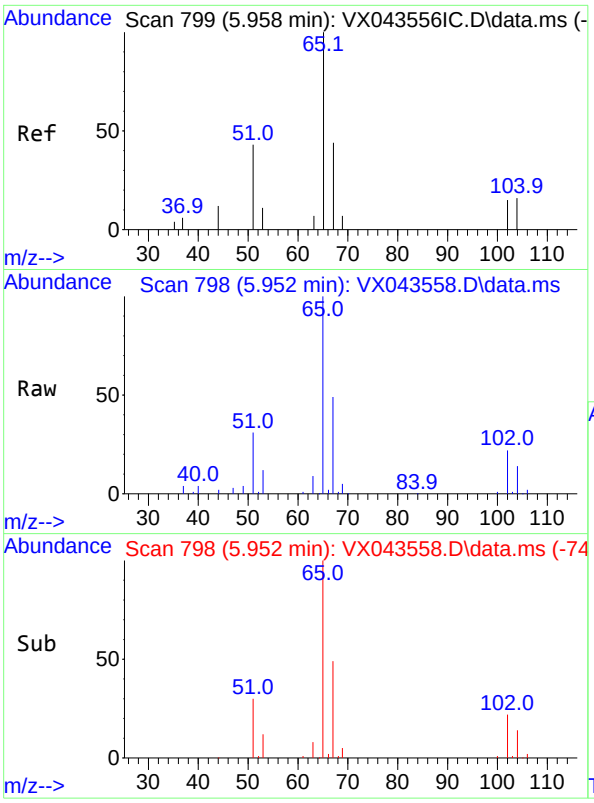


#32
1,1,1-Trichloroethane
Concen: 19.966 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 97 Resp: 62556

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	41.6	34.0	51.0



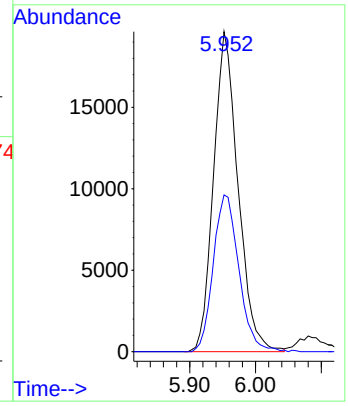


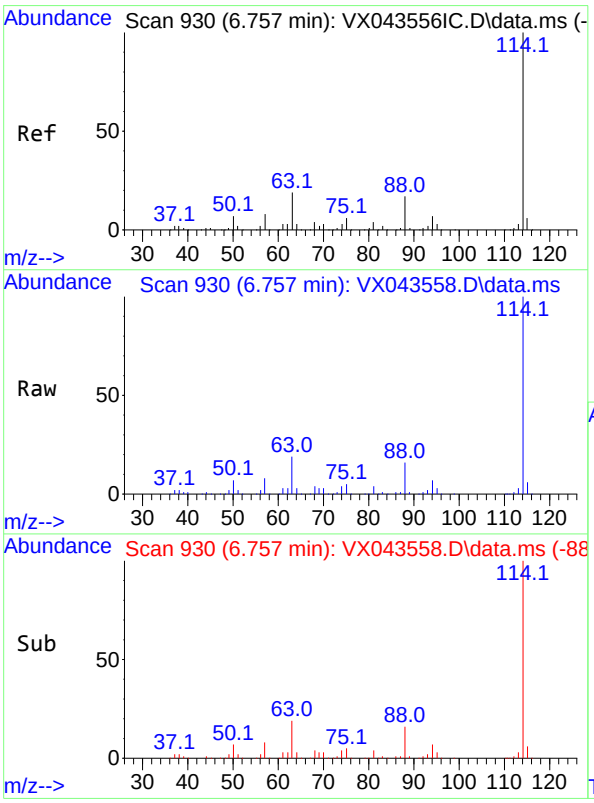
#33
1,2-Dichloroethane-d4
Concen: 20.026 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 50818

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.4

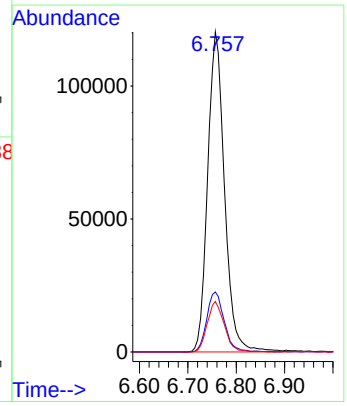


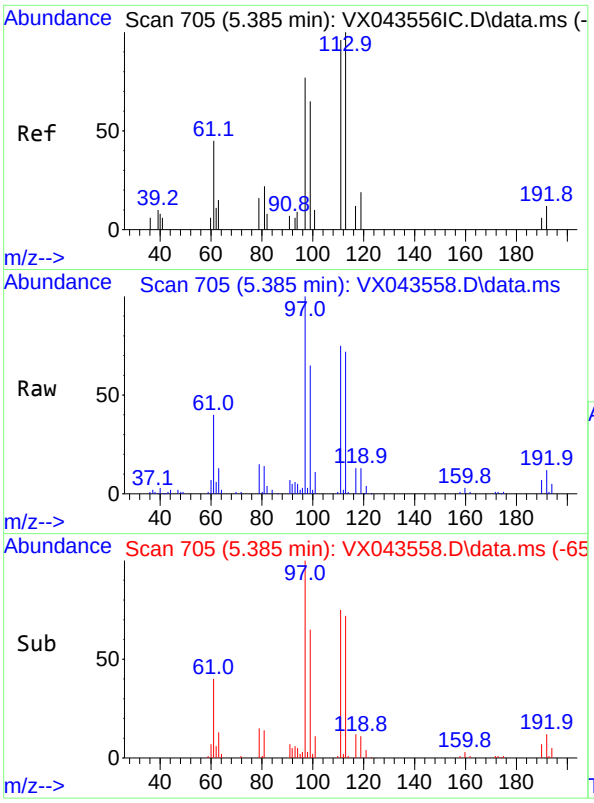


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:114 Resp: 291315

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	41.2
88	15.7	0.0	34.0



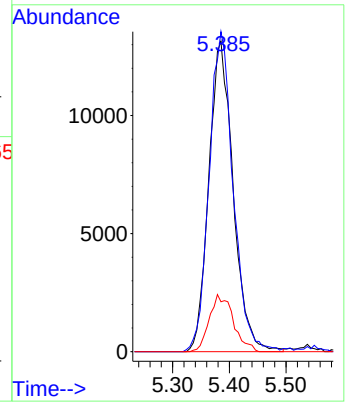


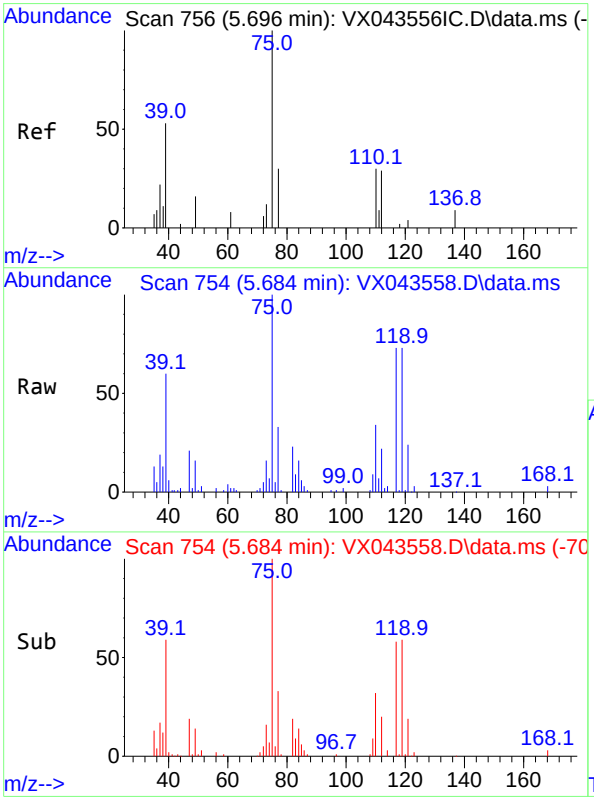
#35
Dibromofluoromethane
Concen: 20.228 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 39238

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	18.1	14.1	21.1

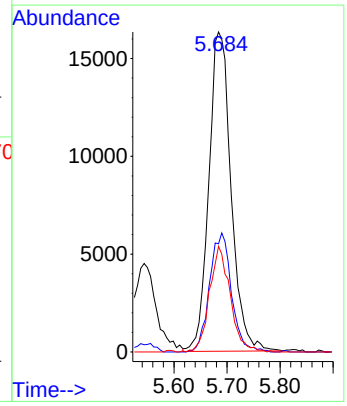


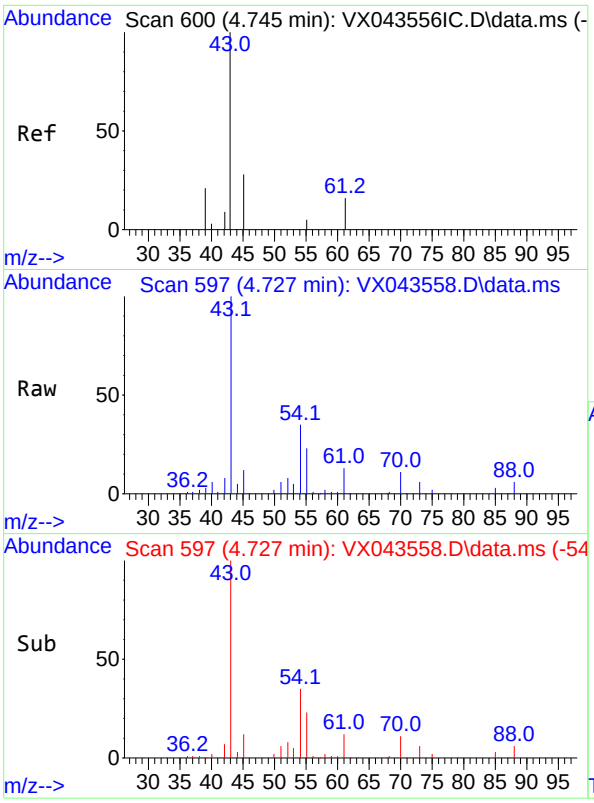


#36
1,1-Dichloropropene
Concen: 20.699 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 47520

Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.7
77	30.9	25.0	37.4



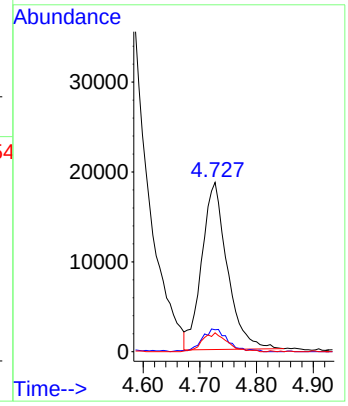


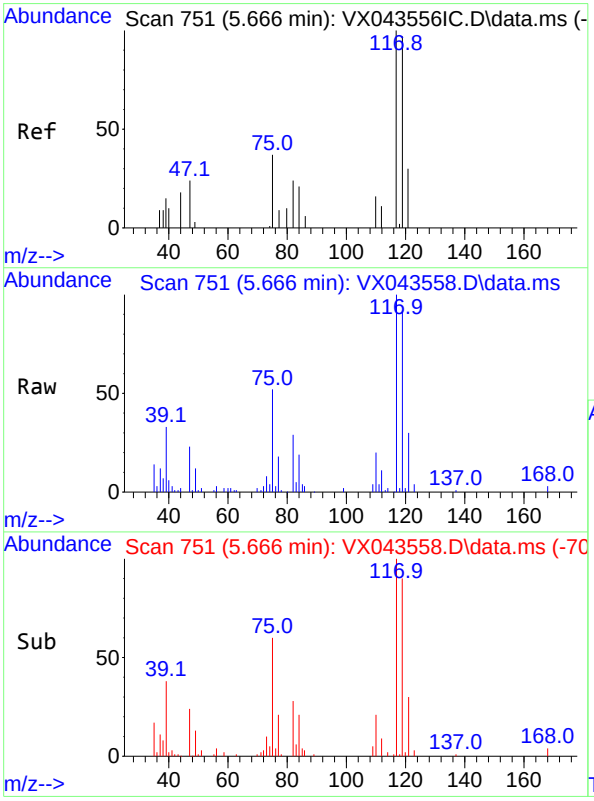
#37
Ethyl Acetate
Concen: 18.528 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 58054

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	11.1	8.9	13.3

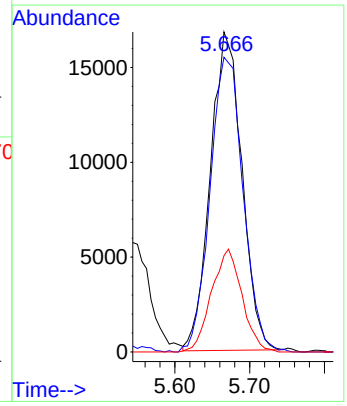


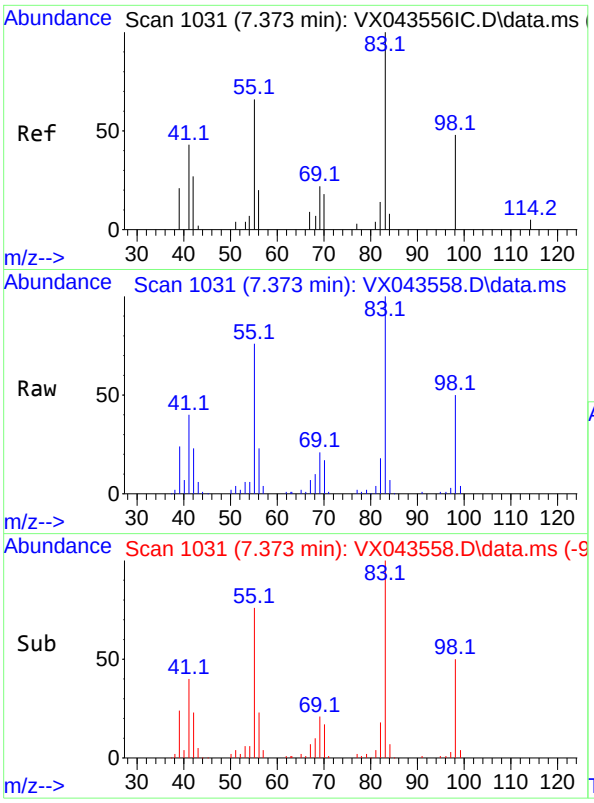


#38
Carbon Tetrachloride
Concen: 18.891 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:117 Resp: 49282

Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.0	115.6
121	30.3	24.7	37.1



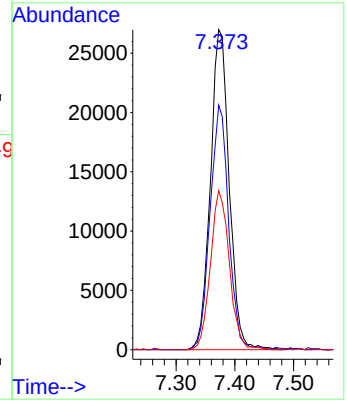


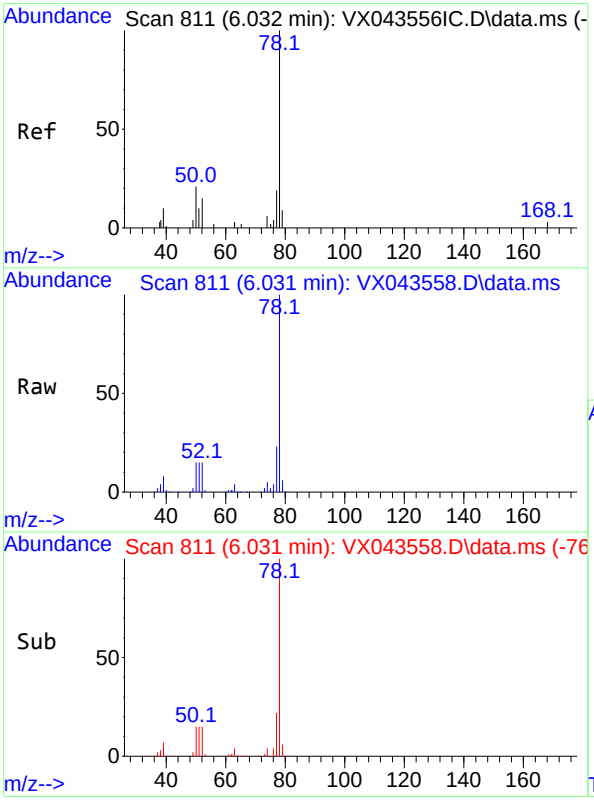
#39
Methylcyclohexane
Concen: 20.379 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 59999

Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.9	89.9
98	49.7	41.3	61.9

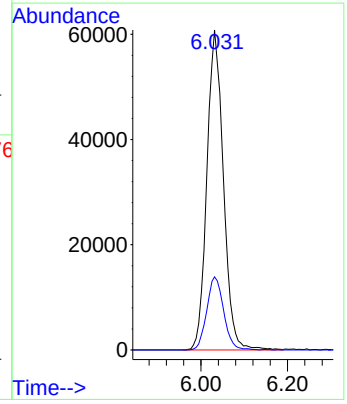


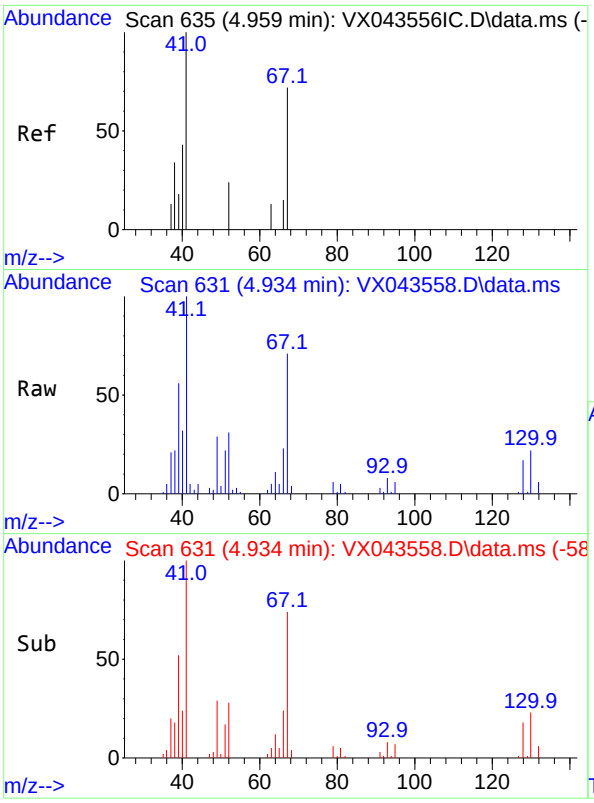


#40
Benzene
Concen: 20.995 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 78 Resp: 161123

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6



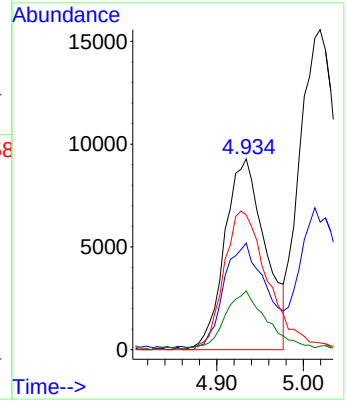


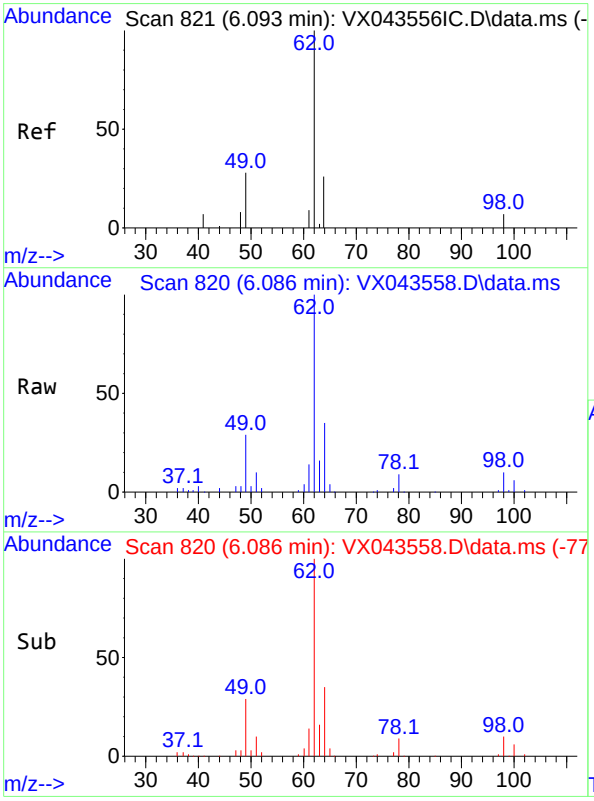
#41
Methacrylonitrile
Concen: 19.241 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 30325

Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.5	65.3
67	79.8	58.3	87.5
52	30.4	24.6	37.0

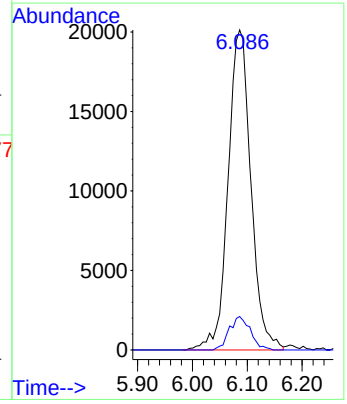


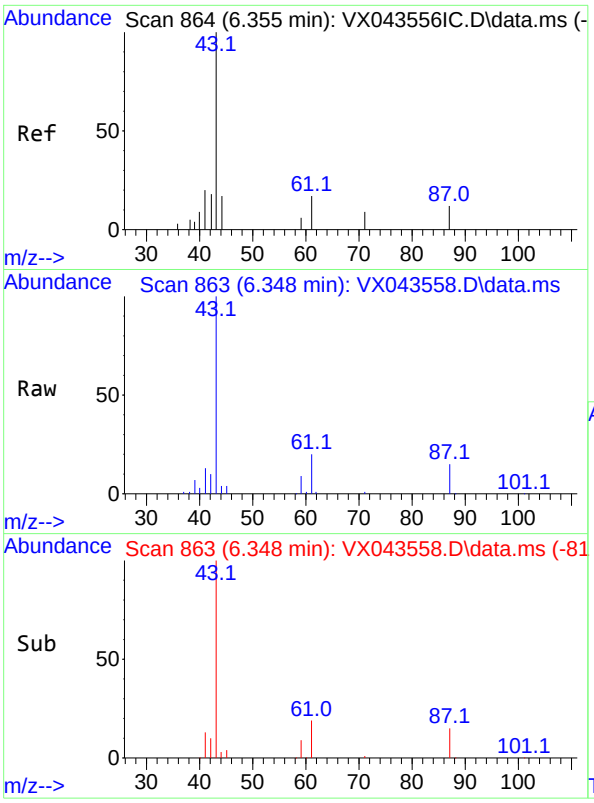


#42
1,2-Dichloroethane
Concen: 20.645 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 62 Resp: 58281

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8



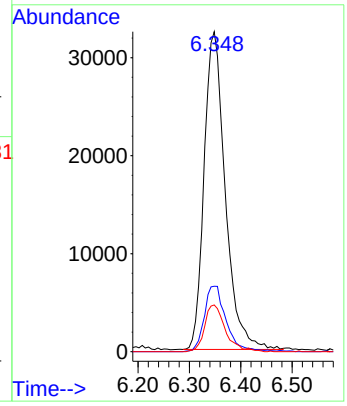


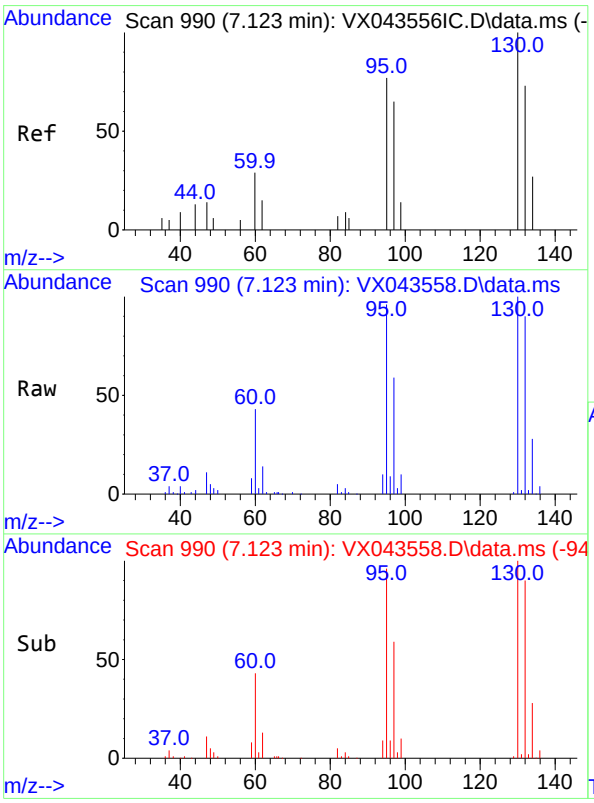
#43
Isopropyl Acetate
Concen: 18.698 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 92676

Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.2	24.4
87	14.4	11.0	16.6

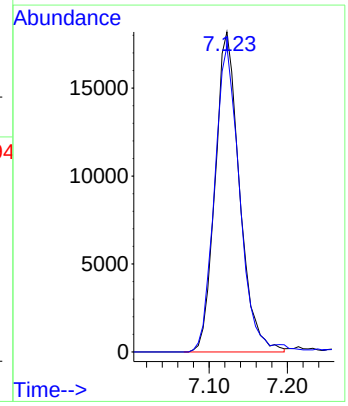


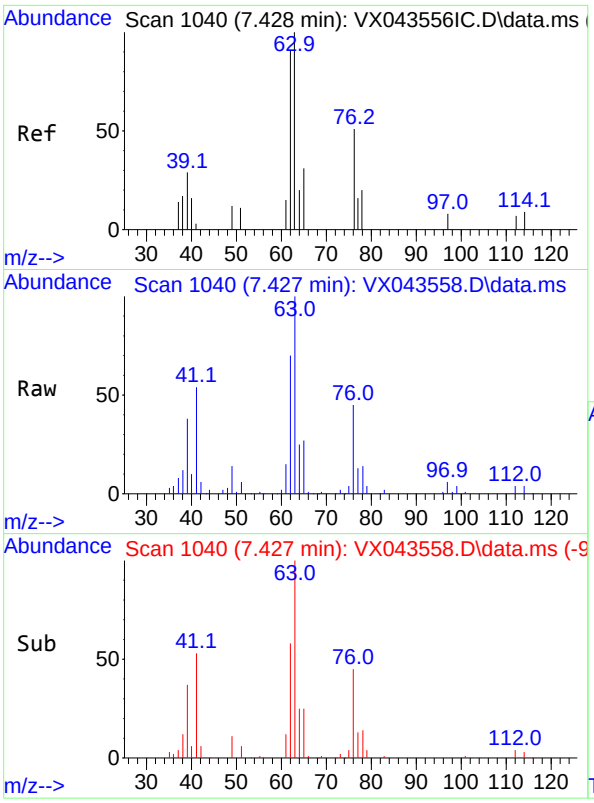


#44
Trichloroethene
Concen: 21.623 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:130 Resp: 39344

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	202.6



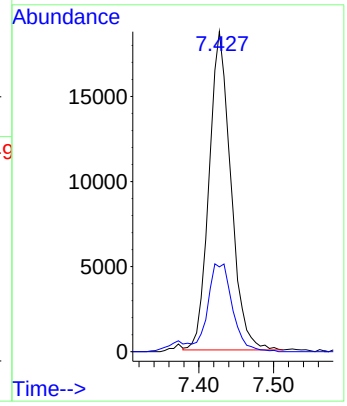


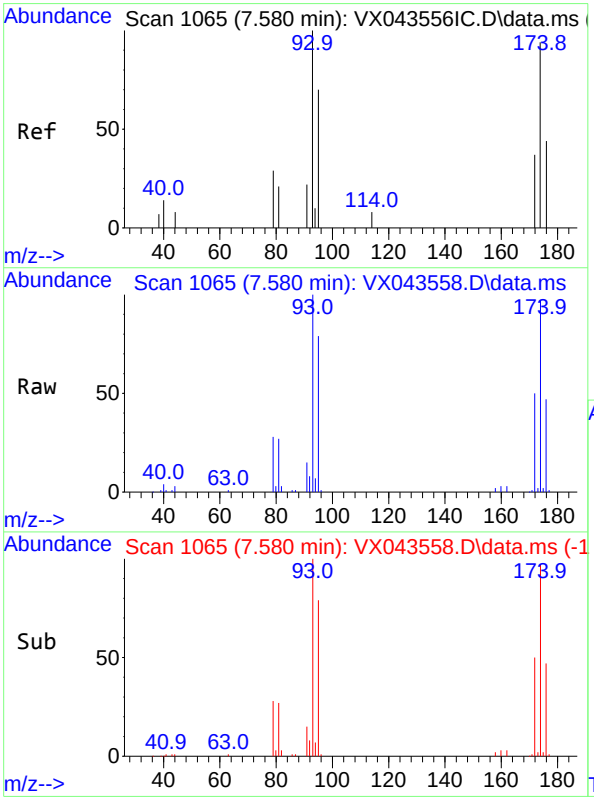
#45
1,2-Dichloropropane
Concen: 20.200 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 37857

Ion	Ratio	Lower	Upper
63	100		
65	26.7	24.5	36.7

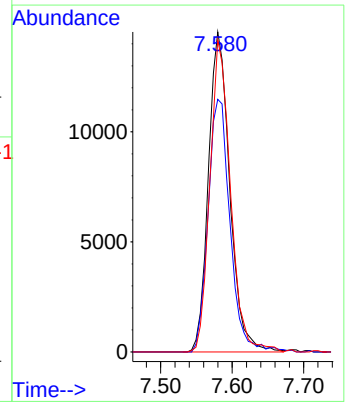


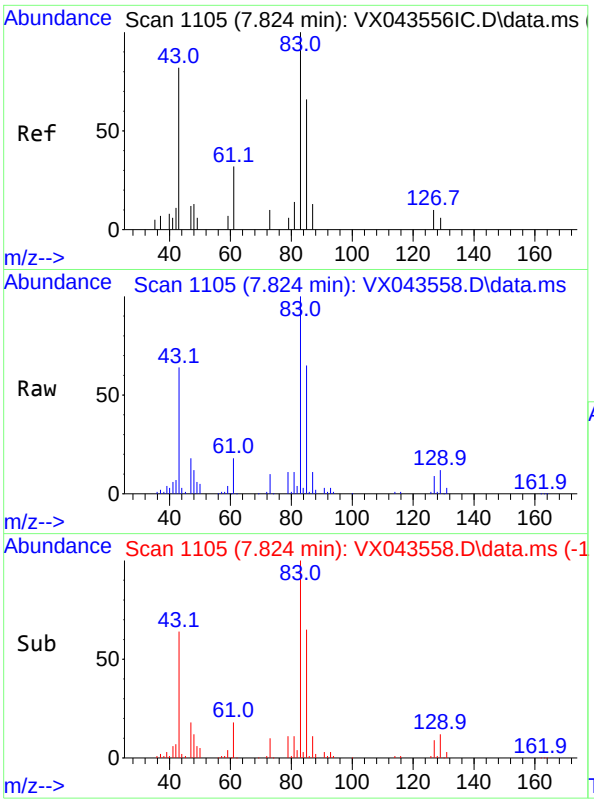


#46
Dibromomethane
Concen: 20.905 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 93 Resp: 30097

Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.4	99.6
174	94.3	75.0	112.4



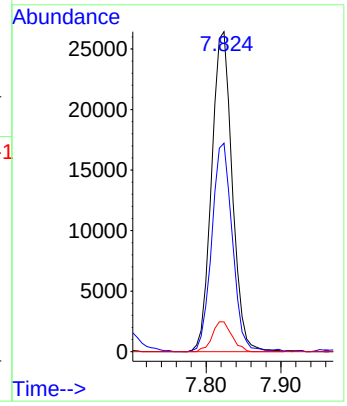


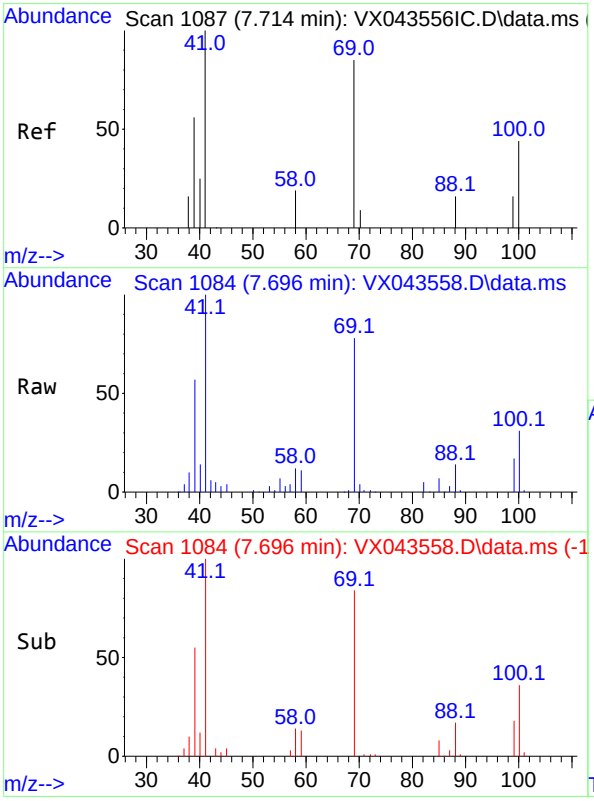
#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 50694

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4
127	9.3	7.1	10.7

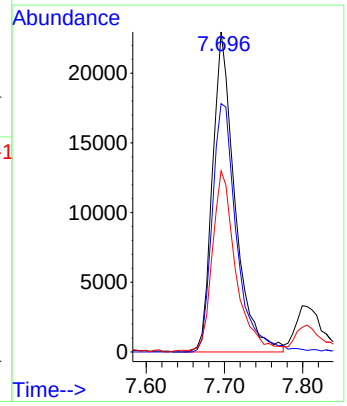


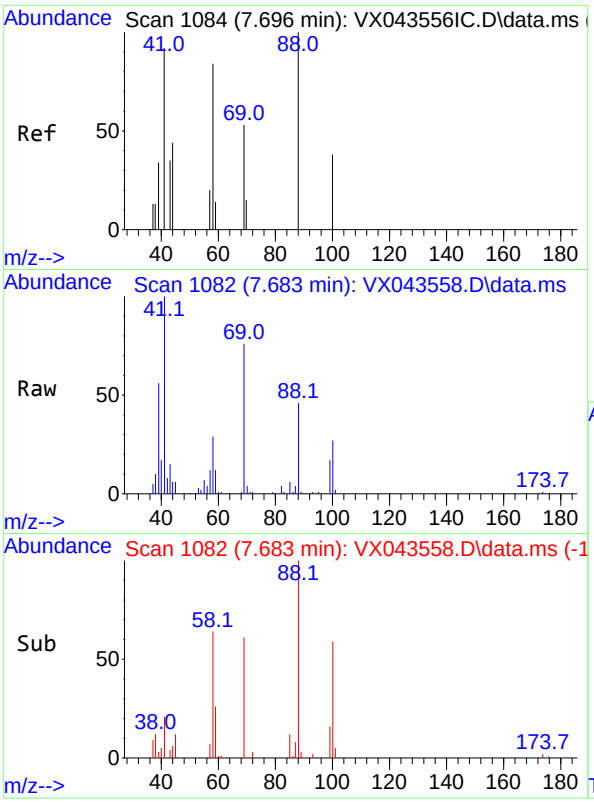


#48
Methyl methacrylate
Concen: 19.703 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 41 Resp: 45592

Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.7	101.5
39	59.4	46.3	69.5



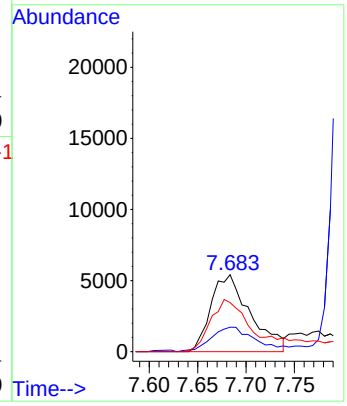


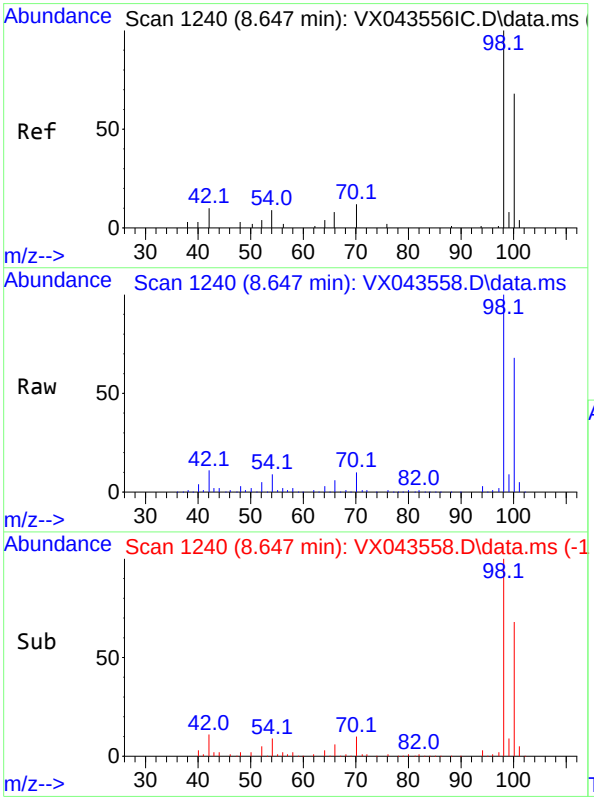
#49
1,4-Dioxane
Concen: 258.381 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 15361

Ion	Ratio	Lower	Upper
88	100		
43	35.8	25.3	37.9
58	93.5	53.9	80.9#

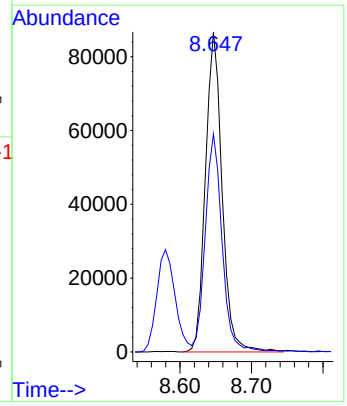


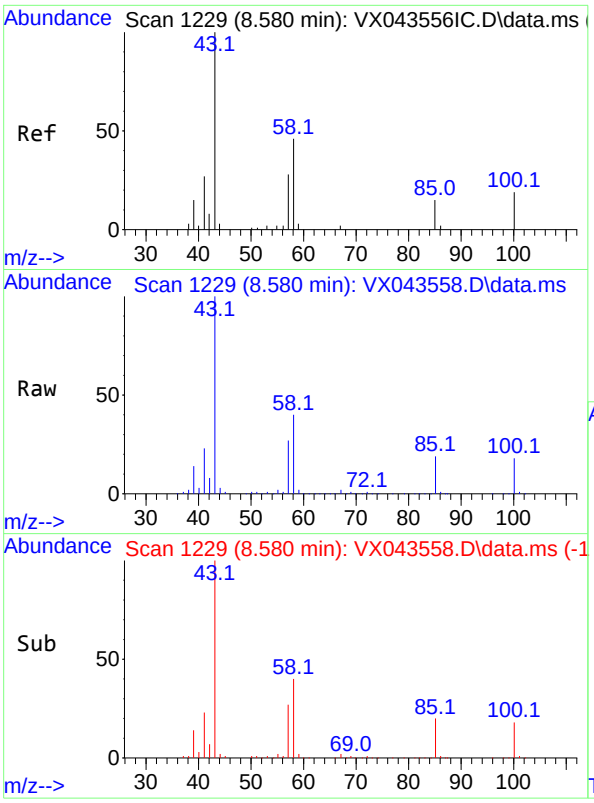


#50
Toluene-d8
Concen: 20.900 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 98 Resp: 140572

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.2



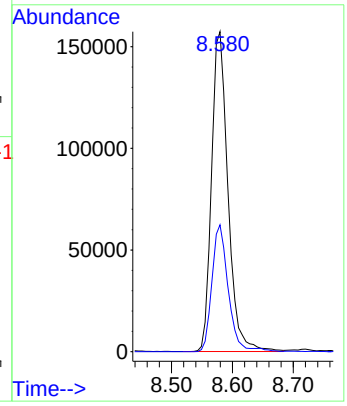


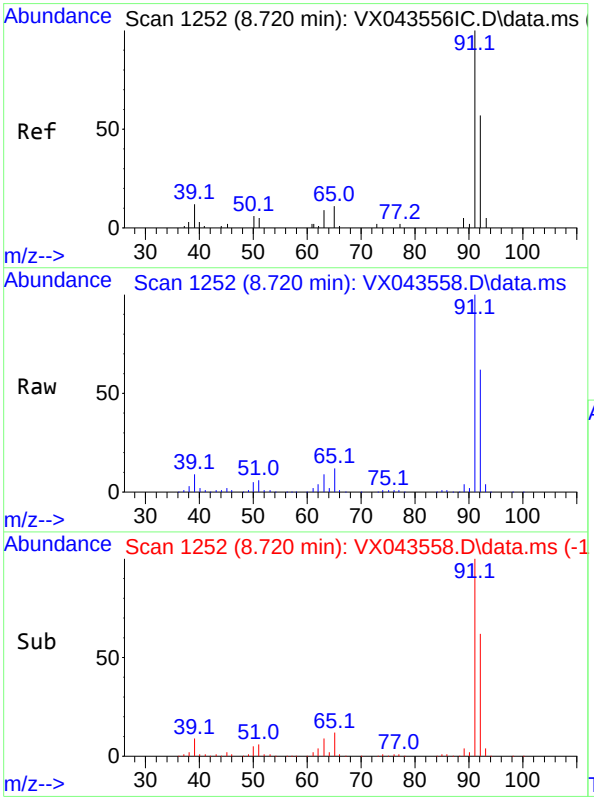
#51
4-Methyl-2-Pentanone
Concen: 93.974 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 295125

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.7	47.5

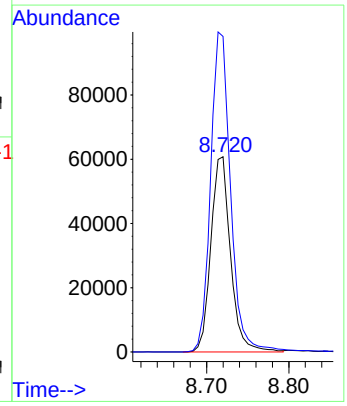


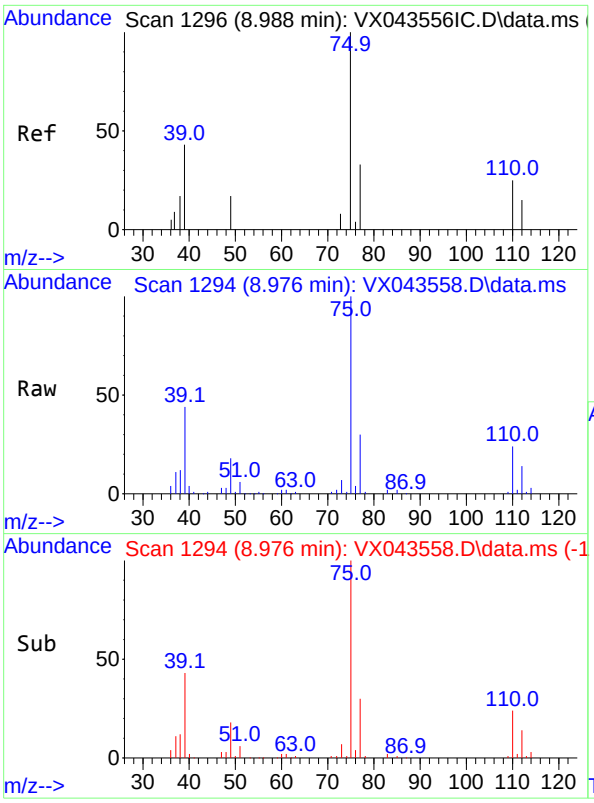


#52
Toluene
Concen: 21.337 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 92 Resp: 100958

Ion	Ratio	Lower	Upper
92	100		
91	167.3	135.7	203.5



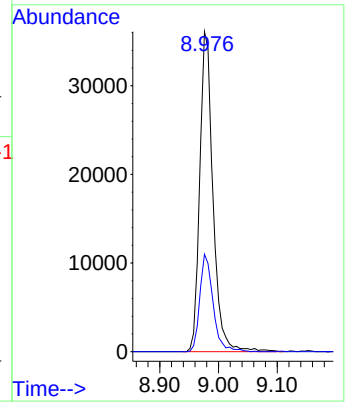


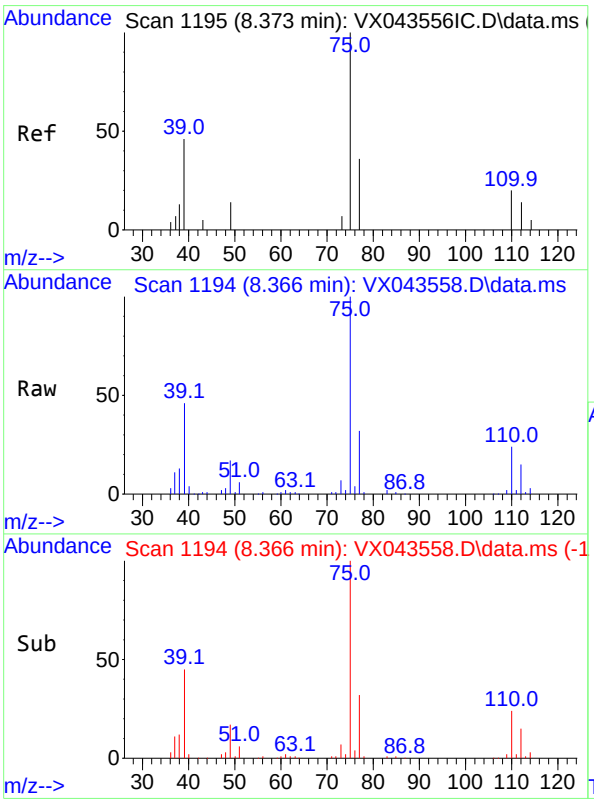
#53
t-1,3-Dichloropropene
Concen: 21.853 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 56483

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.0	39.0

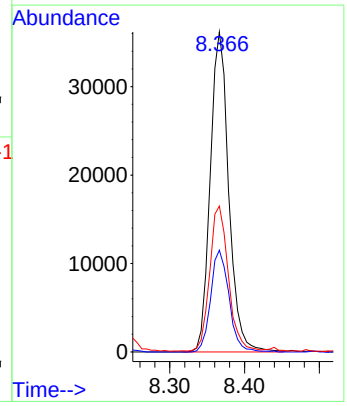


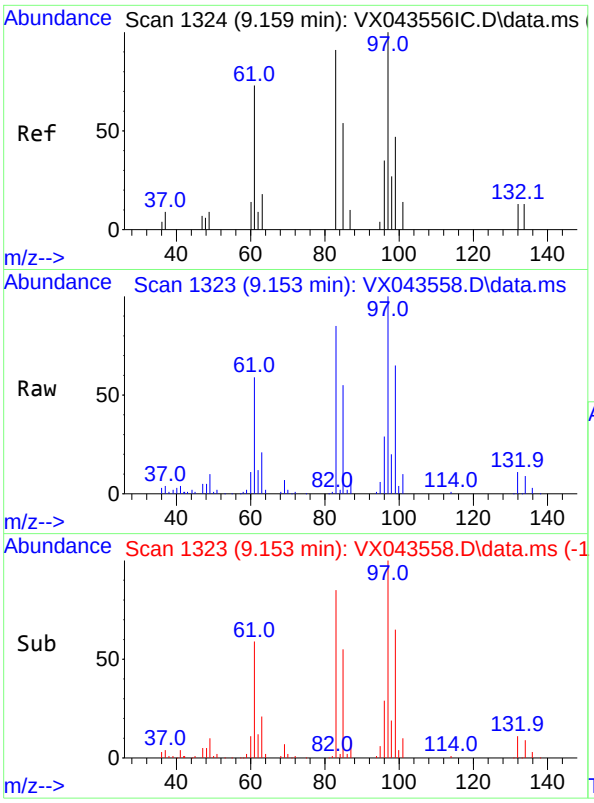


#54
cis-1,3-Dichloropropene
Concen: 21.962 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 62338

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	45.2	37.7	56.5



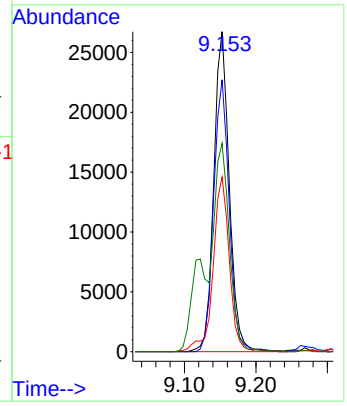


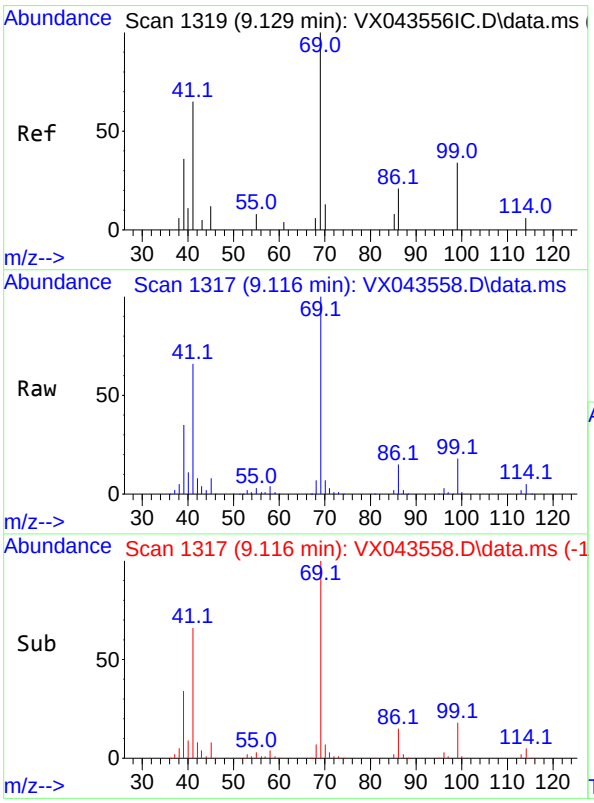
#55
1,1,2-Trichloroethane
Concen: 20.132 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 40197

Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.3	100.9
85	54.6	43.6	65.4
99	65.1	50.6	75.8

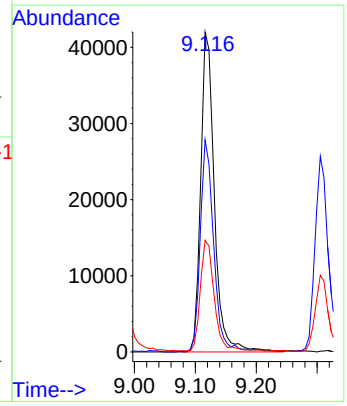


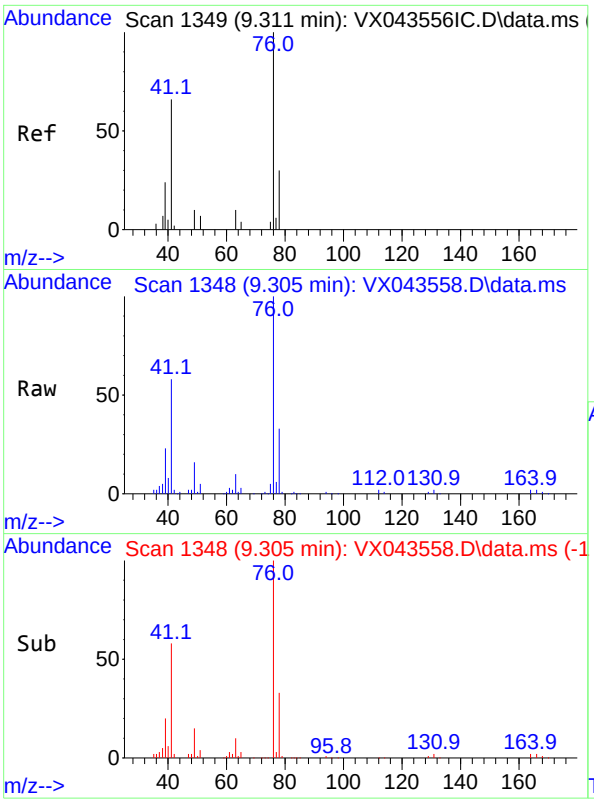


#56
Ethyl methacrylate
Concen: 20.255 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 69 Resp: 65359

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.8	80.8
39	34.8	29.9	44.9



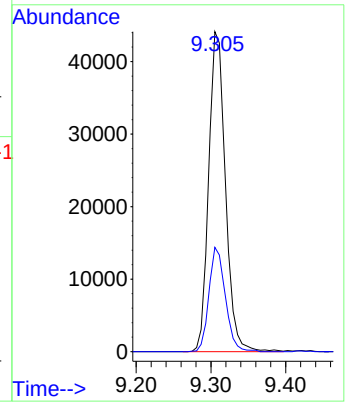


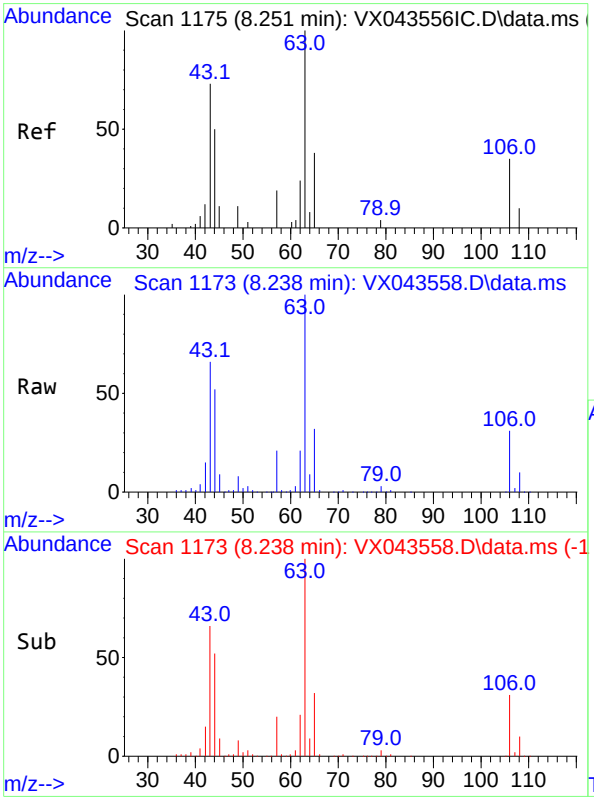
#57
1,3-Dichloropropane
Concen: 20.831 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 68675

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

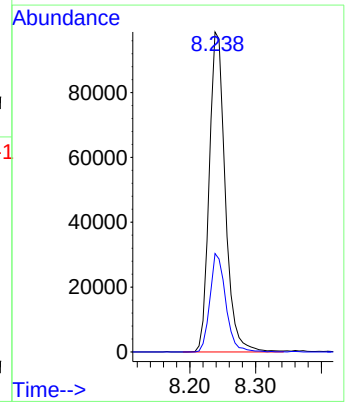


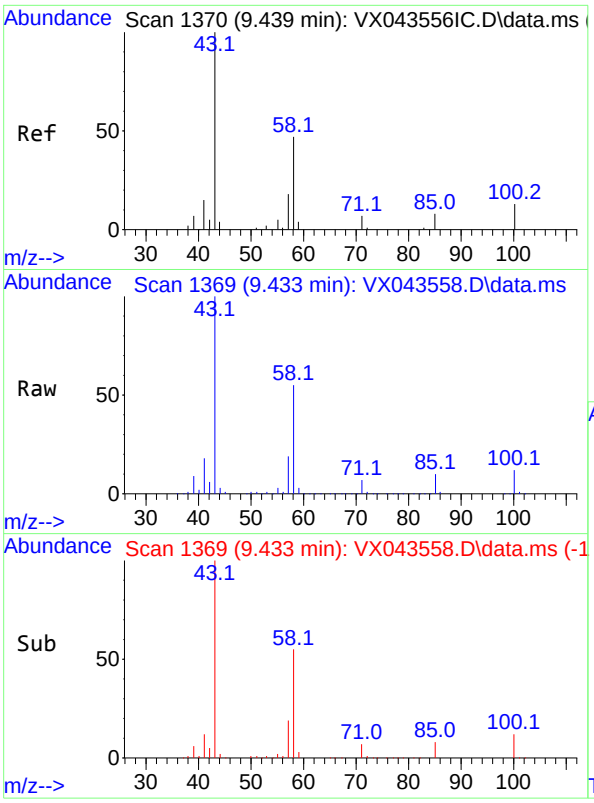


#58
2-Chloroethyl Vinyl ether
Concen: 105.324 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 63 Resp: 167179

Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.6	35.4



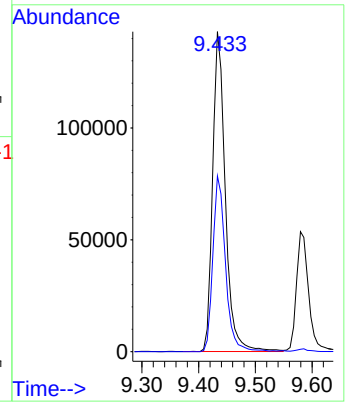


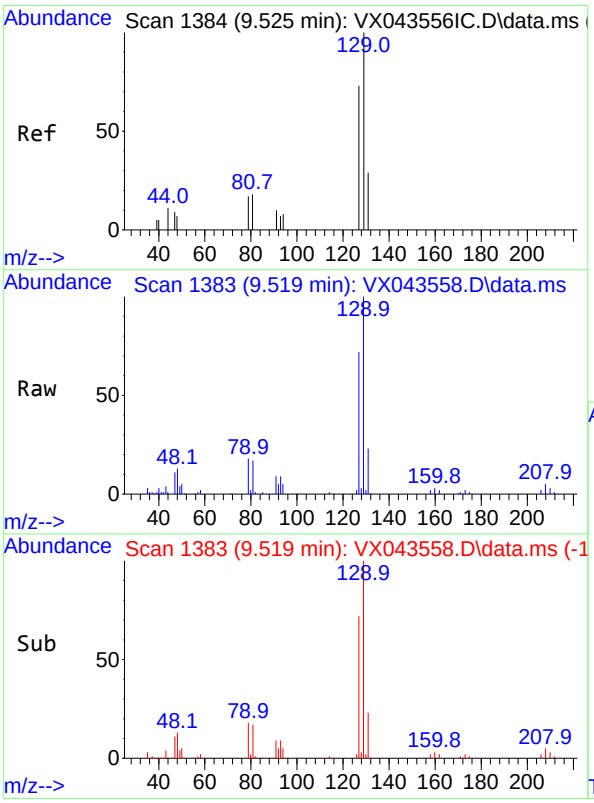
#59
2-Hexanone
Concen: 93.320 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 221604

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.5

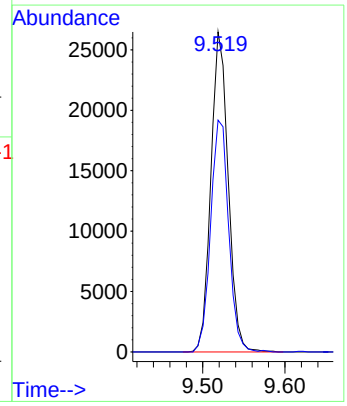


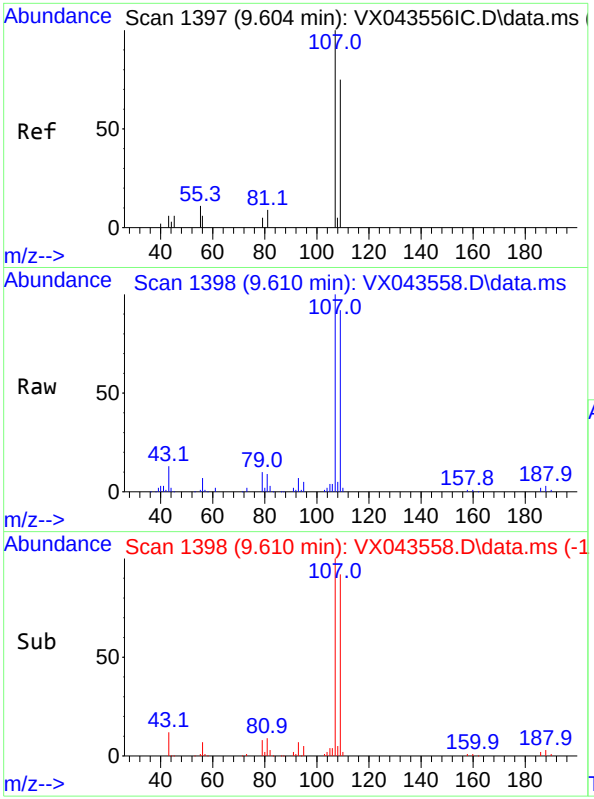


#60
Dibromochloromethane
Concen: 20.721 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:129 Resp: 38713

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.4	115.1



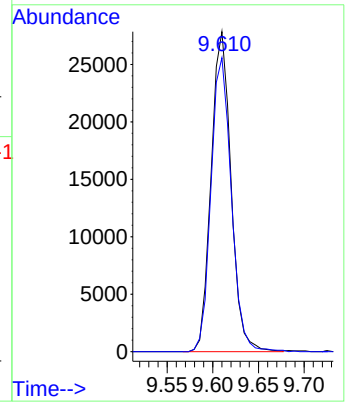


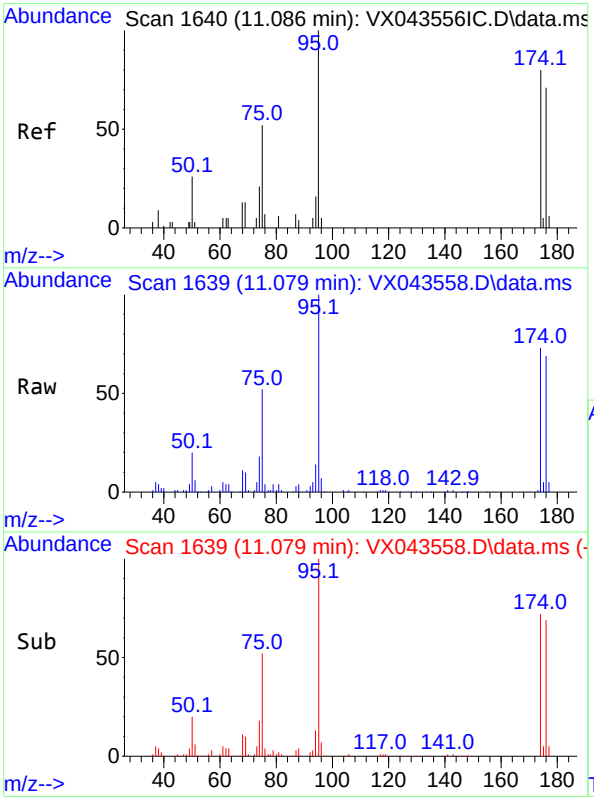
#61
1,2-Dibromoethane
Concen: 20.896 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 42059

Ion	Ratio	Lower	Upper
107	100		
109	93.9	77.1	115.7

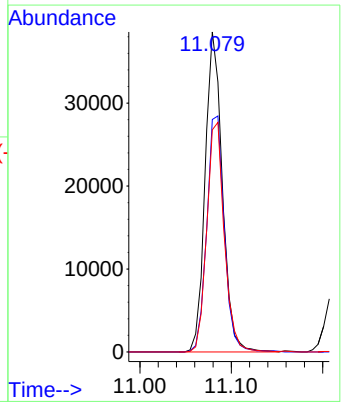


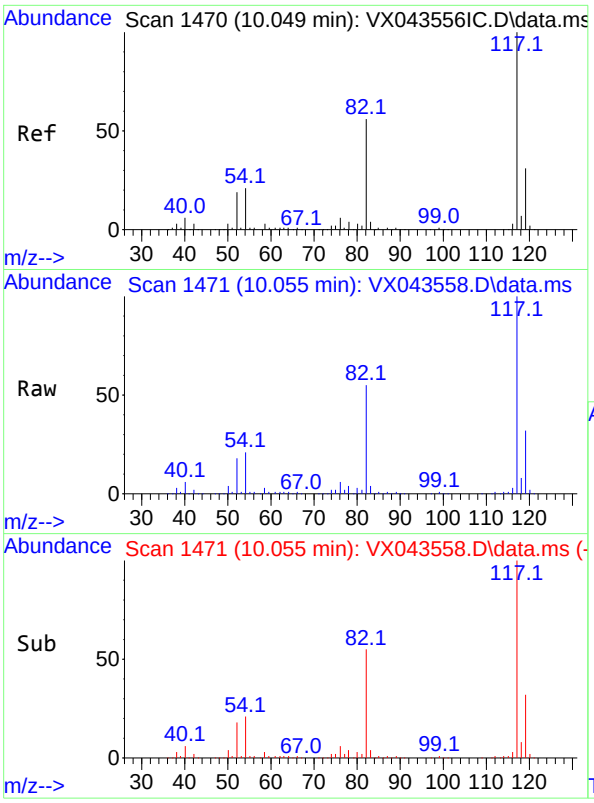


#62
4-Bromofluorobenzene
Concen: 20.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 95 Resp: 50243

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	146.6
176	73.4	0.0	139.6



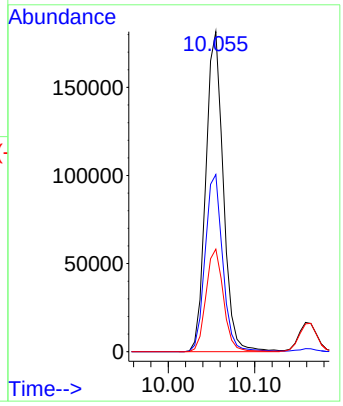


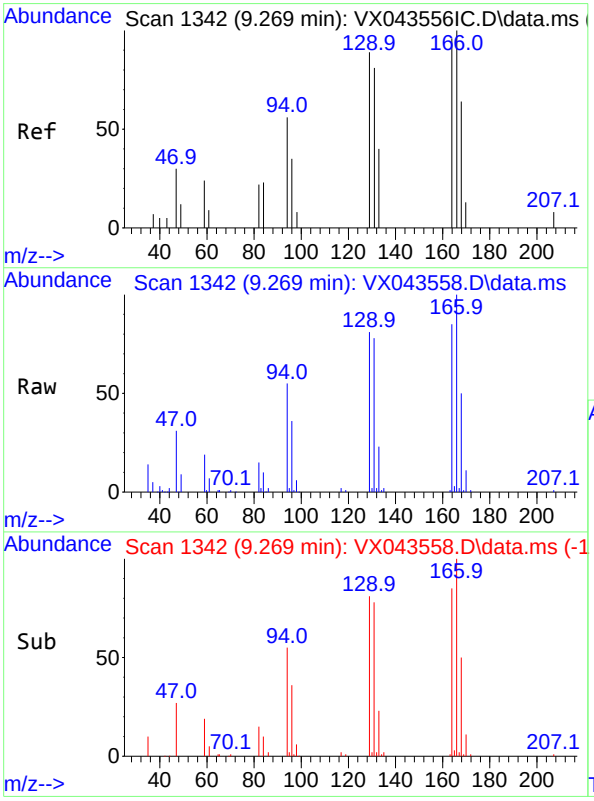
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 254622

Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.1	63.1
119	32.1	25.4	38.2

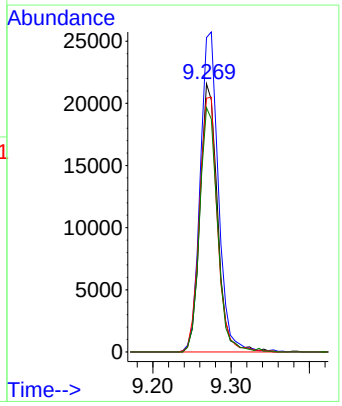


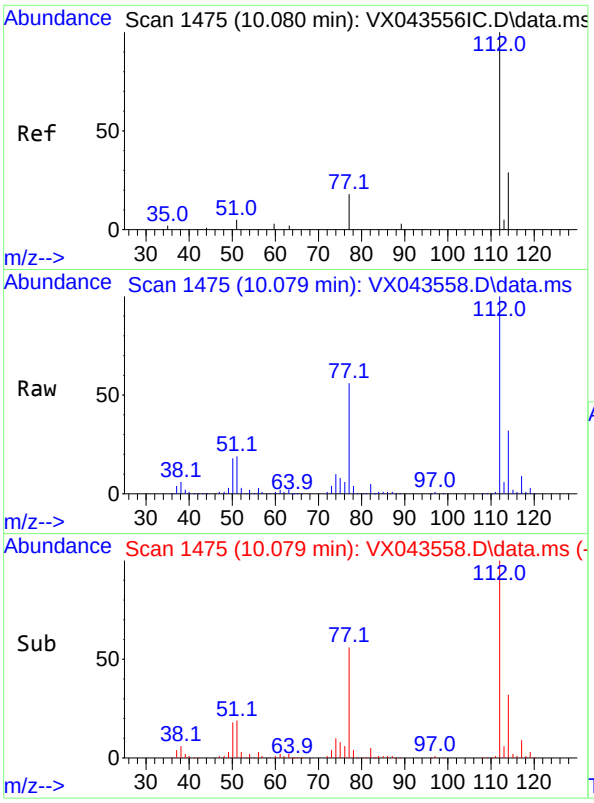


#64
Tetrachloroethene
Concen: 20.871 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:164 Resp: 33267

Ion	Ratio	Lower	Upper
164	100		
166	117.2	103.8	155.6
129	94.6	83.8	125.6
131	91.1	80.6	121.0



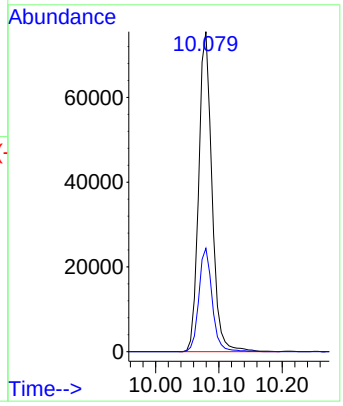


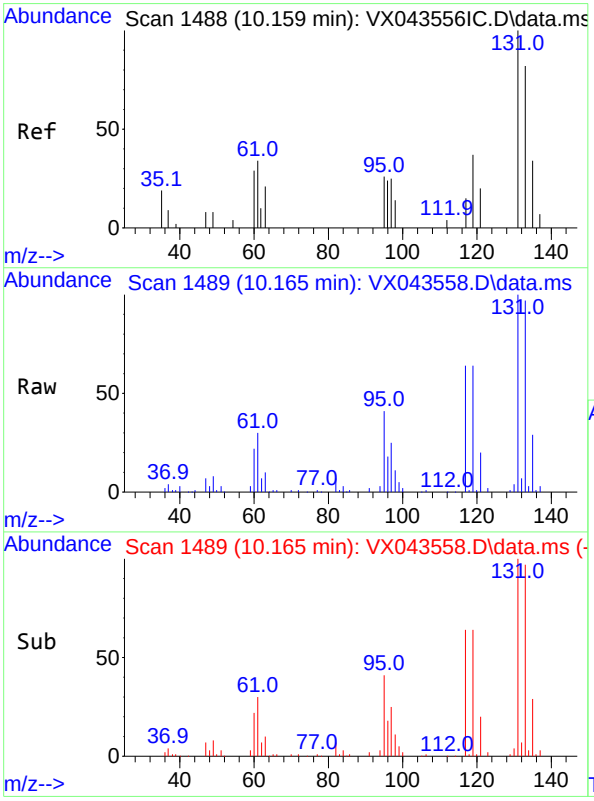
#65
Chlorobenzene
Concen: 20.814 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 110251

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6

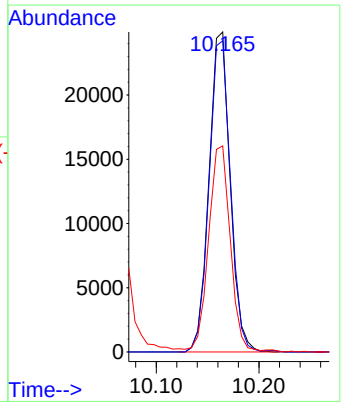


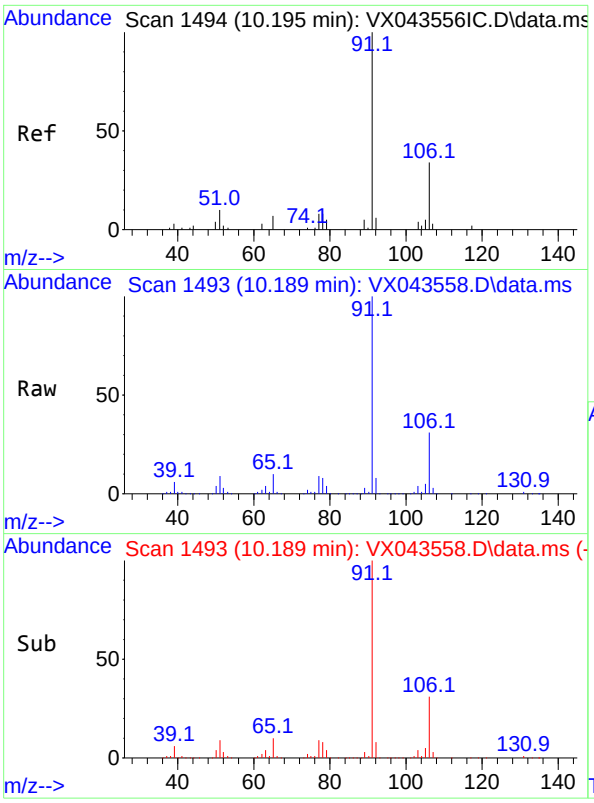


#66
1,1,1,2-Tetrachloroethane
Concen: 19.934 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:131 Resp: 35663

Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.0	144.0
119	66.1	32.3	96.9



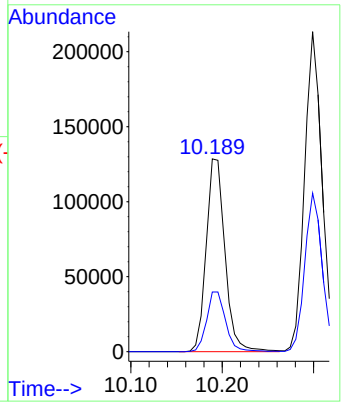


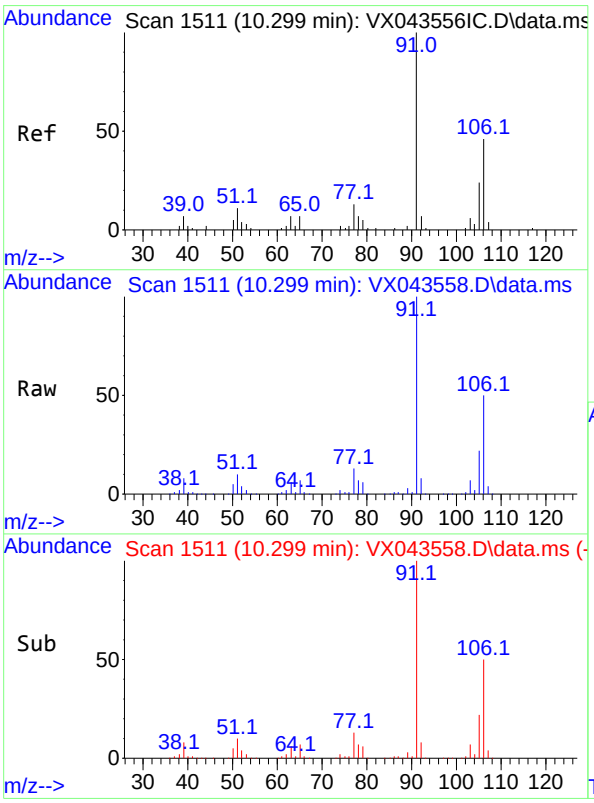
#67
Ethyl Benzene
Concen: 20.790 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 183192

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

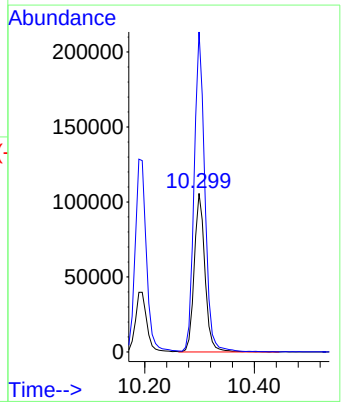


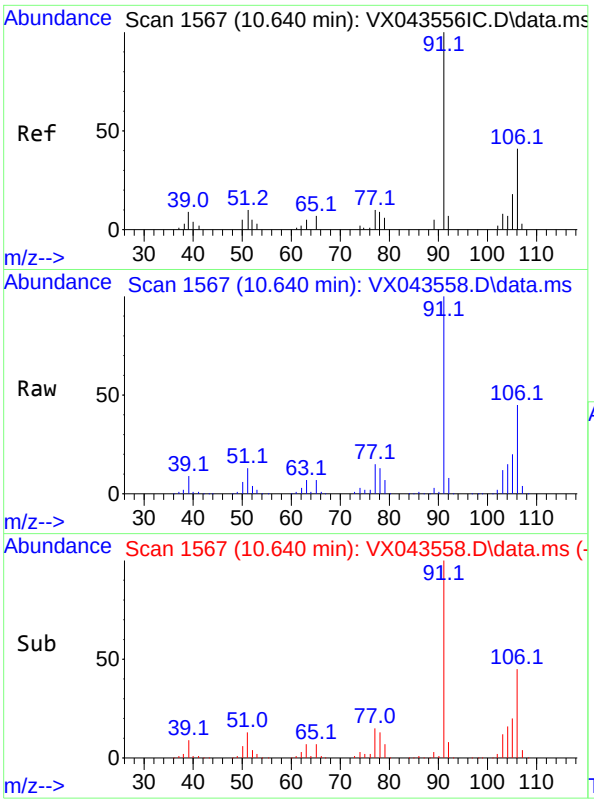


#68
m/p-Xylenes
Concen: 43.222 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:106 Resp: 144291

Ion	Ratio	Lower	Upper
106	100		
91	199.6	164.7	247.1



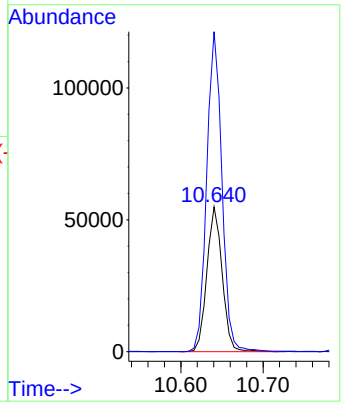


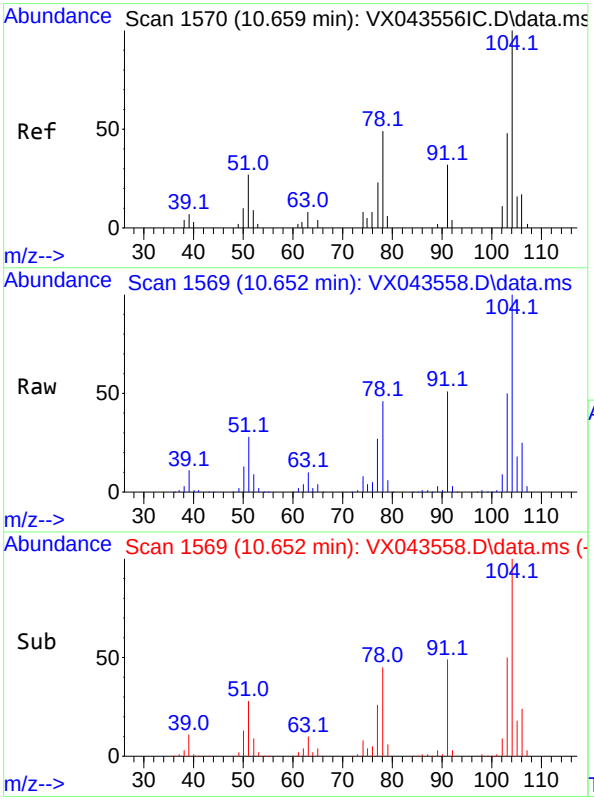
#69
o-Xylene
Concen: 20.704 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 71049

Ion	Ratio	Lower	Upper
106	100		
91	219.4	107.9	323.7

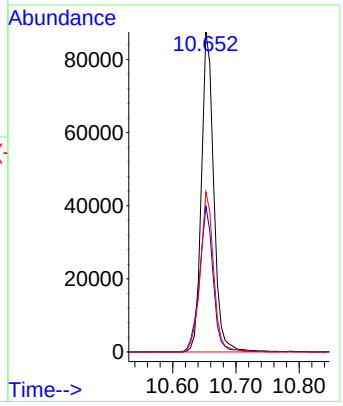


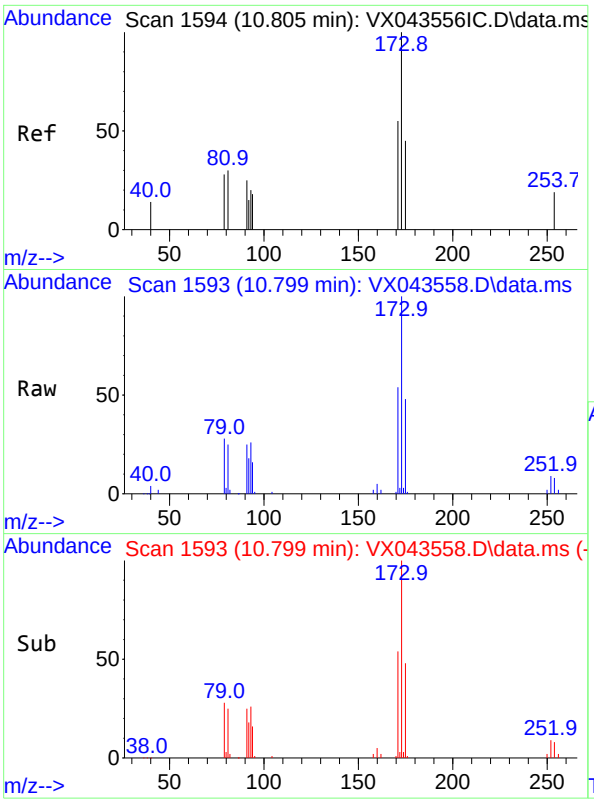


#70
Styrene
Concen: 21.527 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:104 Resp: 119564

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.0	60.0
103	54.1	43.4	65.0



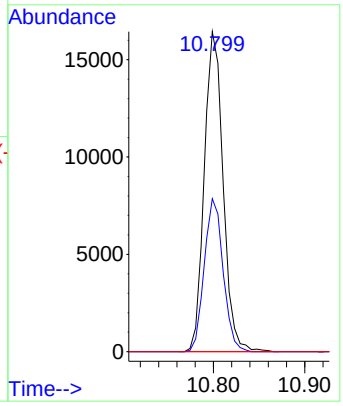


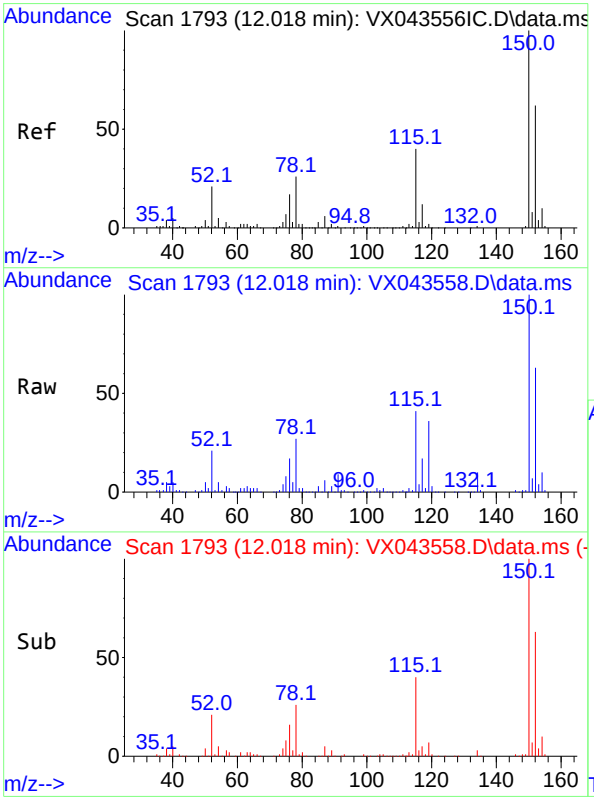
#71
Bromoform
Concen: 19.445 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 23453

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.3	69.9
254	0.0	0.0	0.0

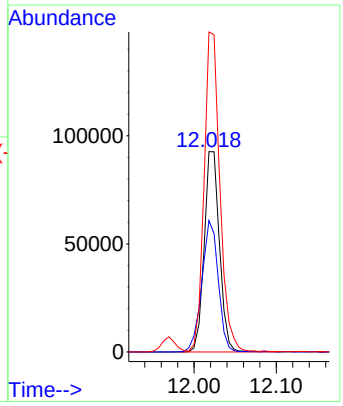


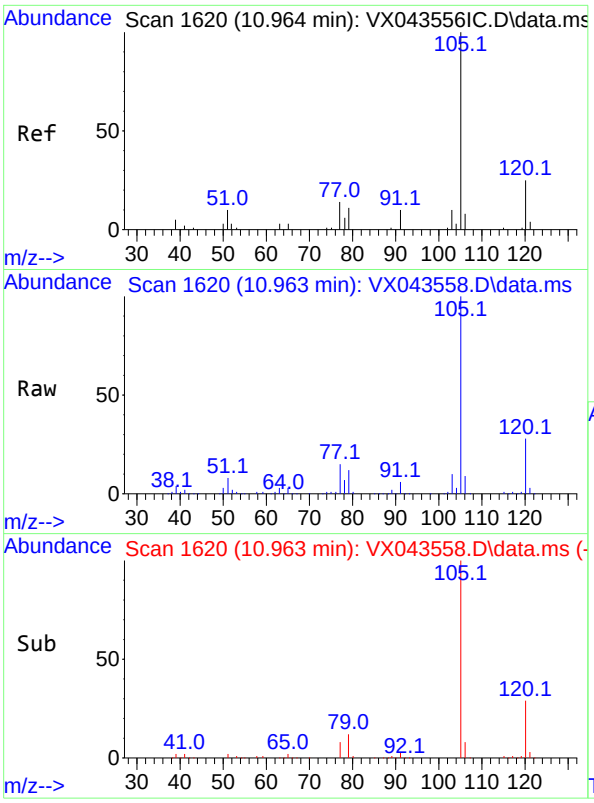


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:152 Resp: 119710

Ion	Ratio	Lower	Upper
152	100		
115	70.3	42.9	128.7
150	164.5	0.0	343.6



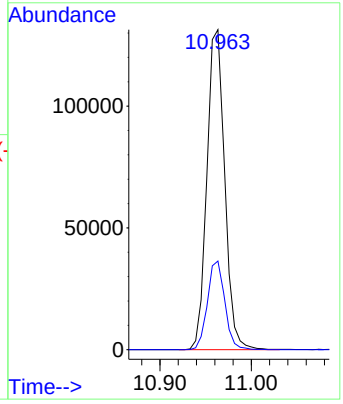


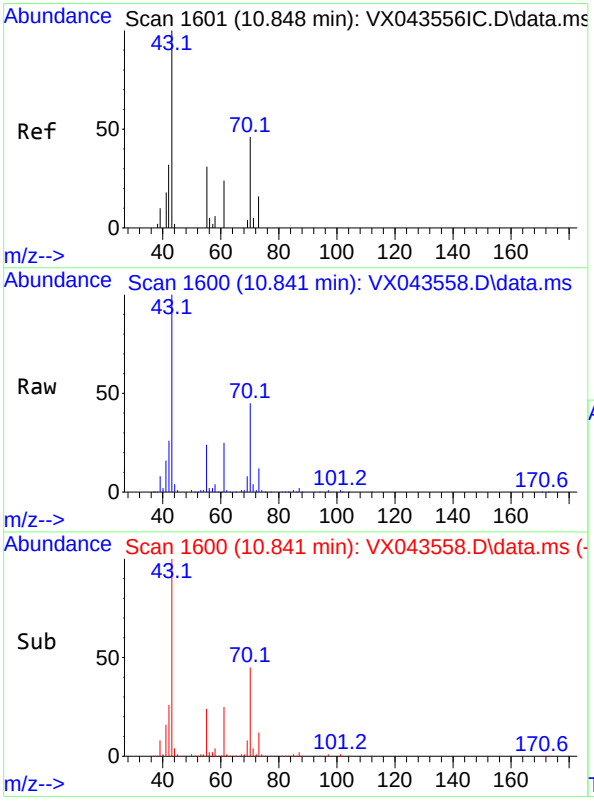
#73
Isopropylbenzene
Concen: 20.733 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 177401

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.6

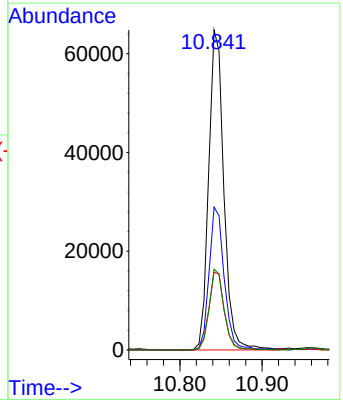


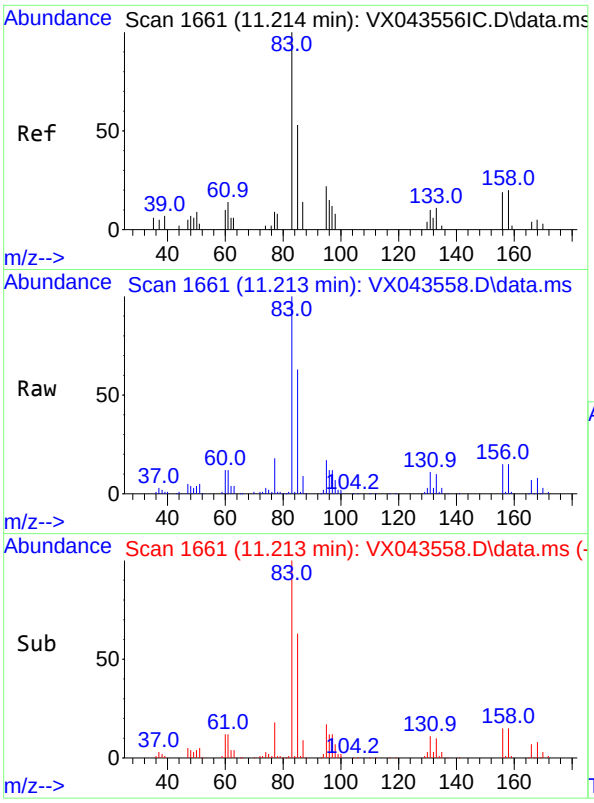


#74
N-amyl acetate
Concen: 19.288 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 43 Resp: 83132

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.6	52.0
55	24.7	19.6	29.4
61	24.8	20.2	30.2



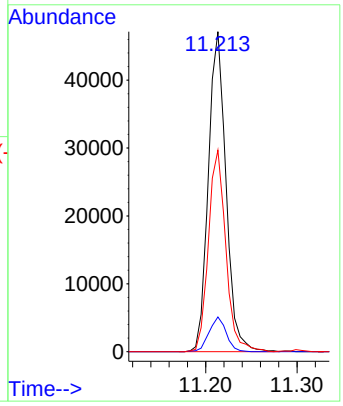


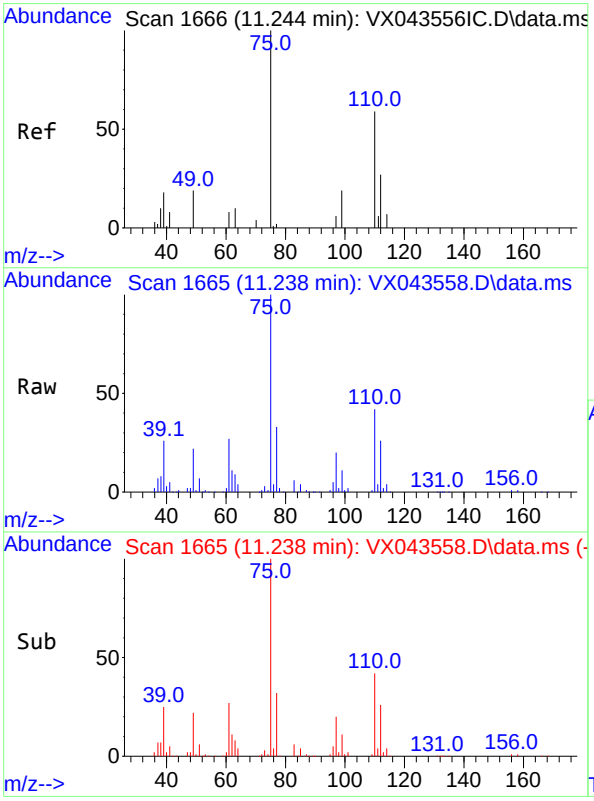
#75
1,1,2,2-Tetrachloroethane
Concen: 19.225 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 63016

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	62.3	32.4	97.0

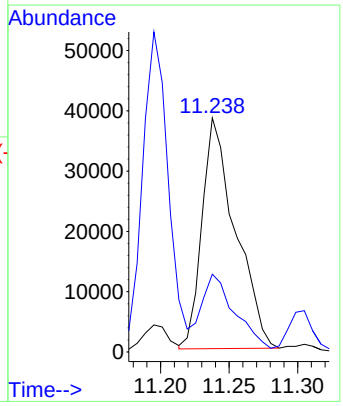


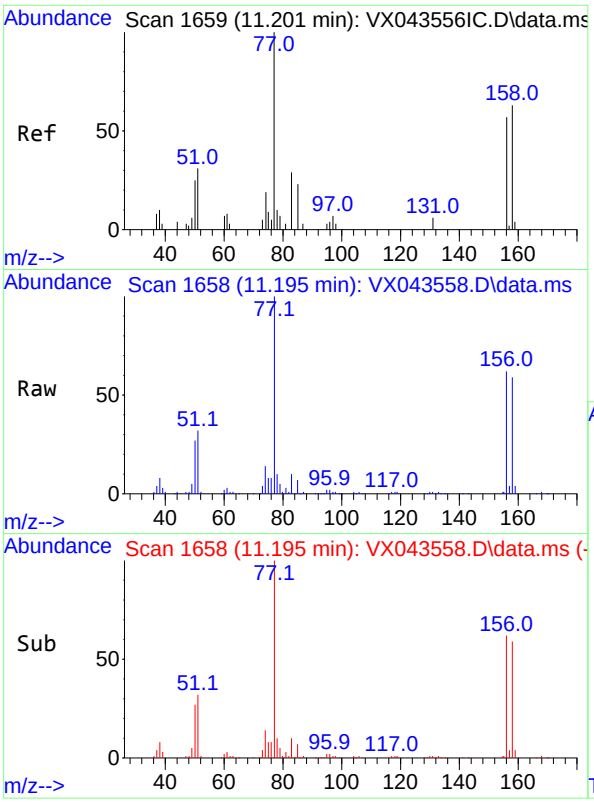


#76
1,2,3-Trichloropropane
Concen: 23.344 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 64963

Ion	Ratio	Lower	Upper
75	100		
77	34.7	22.4	67.2



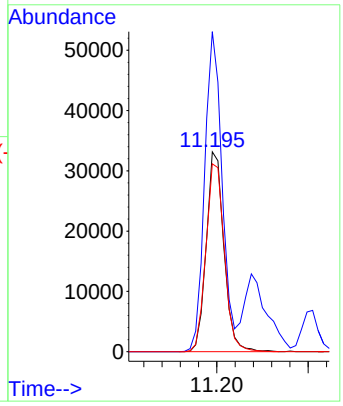


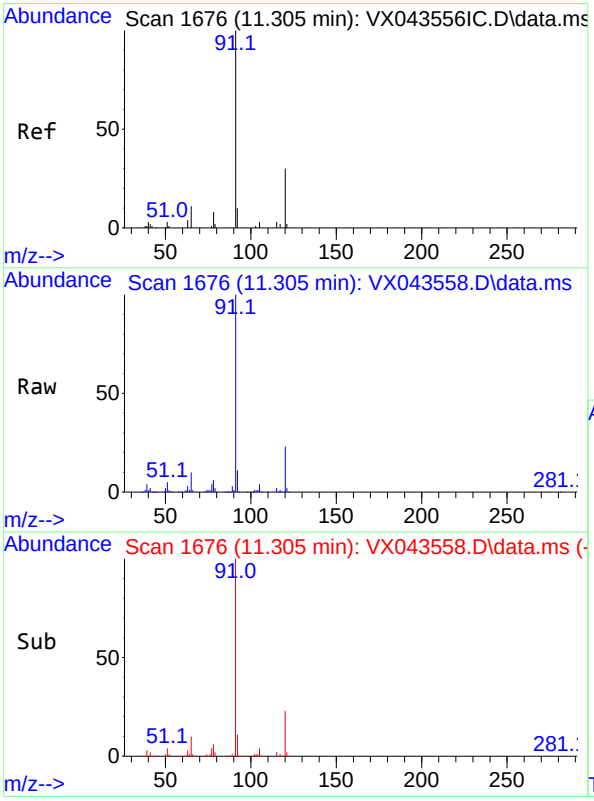
#77
Bromobenzene
Concen: 20.310 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 44364

Ion	Ratio	Lower	Upper
156	100		
77	156.9	79.7	239.1
158	98.3	48.0	144.0

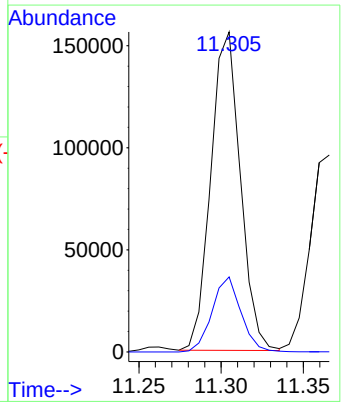


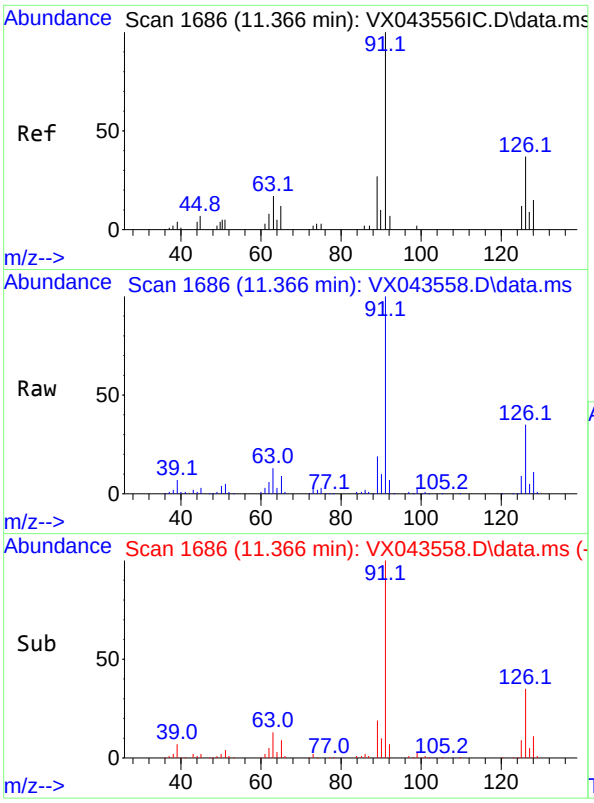


#78
n-propylbenzene
Concen: 21.351 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 194707

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7



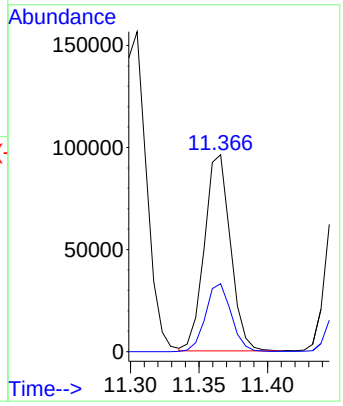


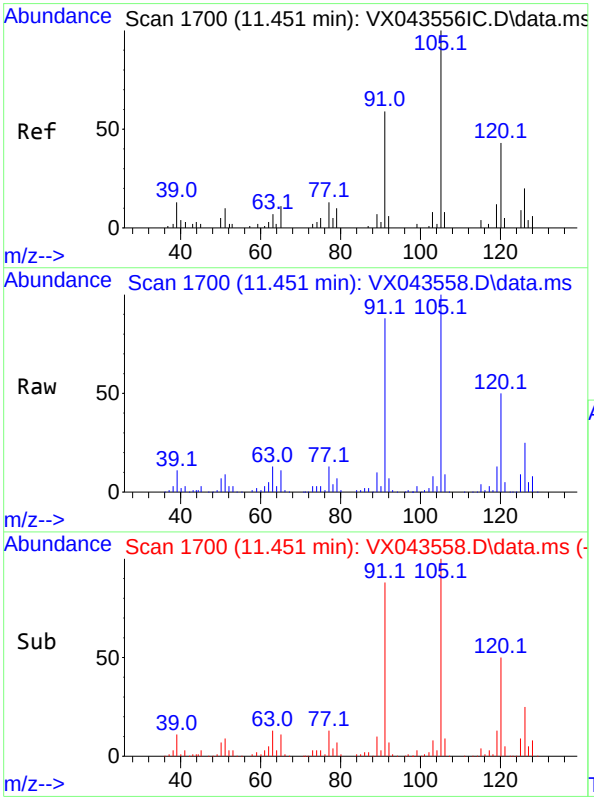
#79
2-Chlorotoluene
Concen: 20.753 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 126983

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.7	50.0

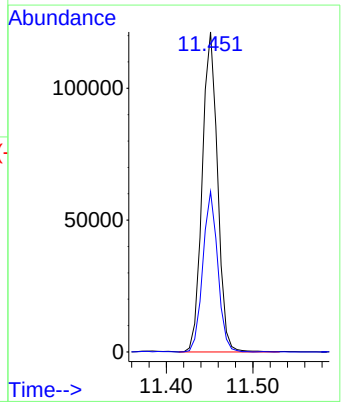


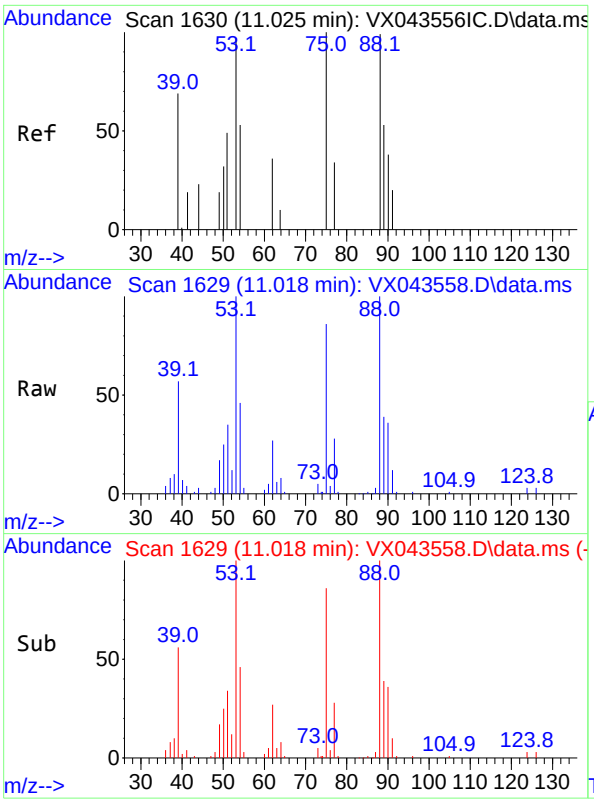


#80
1,3,5-Trimethylbenzene
Concen: 21.008 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:105 Resp: 149254

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.8	71.5



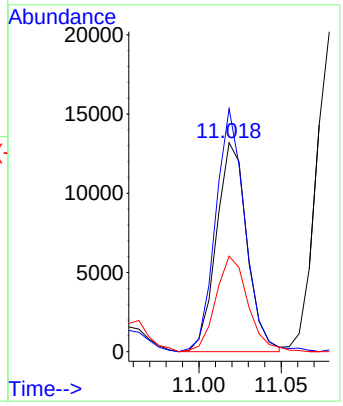


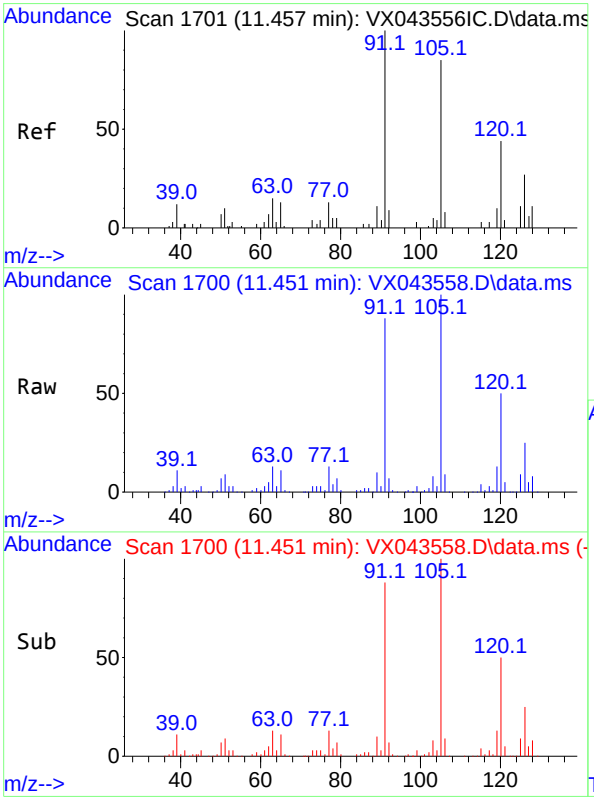
#81
trans-1,4-Dichloro-2-butene
Concen: 18.703 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 17057

Ion	Ratio	Lower	Upper
75	100		
53	111.9	84.6	126.8
89	48.1	38.6	58.0

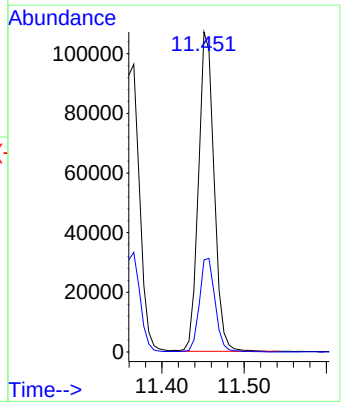


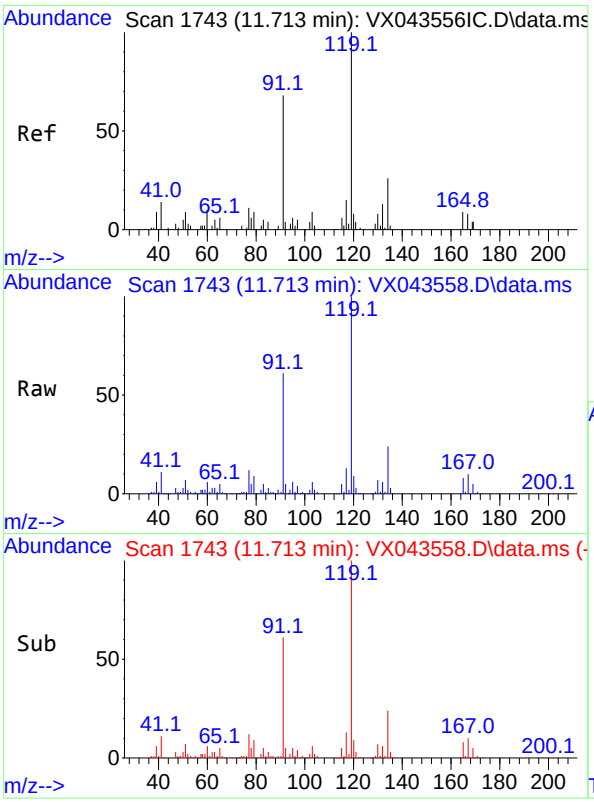


#82
4-Chlorotoluene
Concen: 20.804 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 91 Resp: 140875

Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.2	42.8



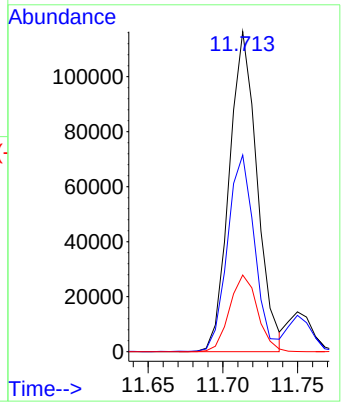


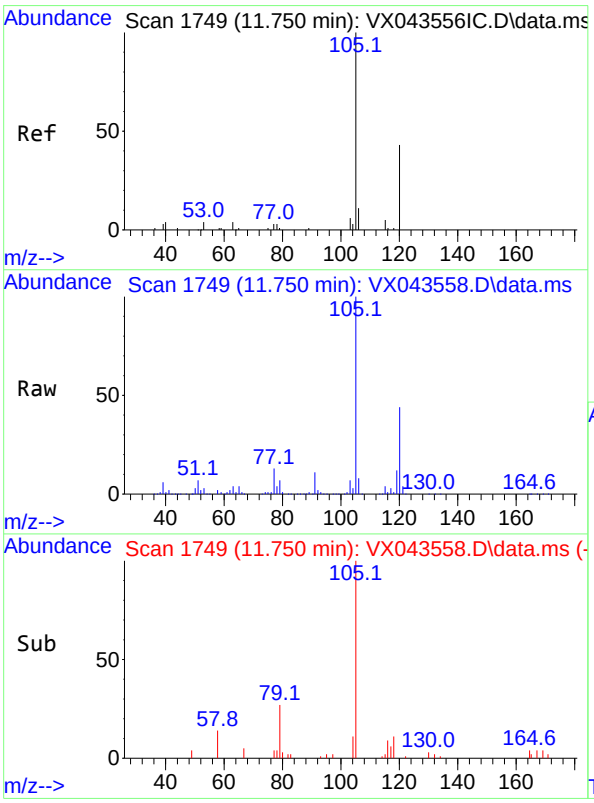
#83
tert-Butylbenzene
Concen: 20.809 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 150766

Ion	Ratio	Lower	Upper
119	100		
91	60.3	29.5	88.5
134	24.0	11.8	35.3

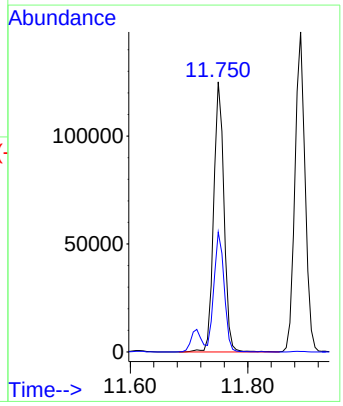


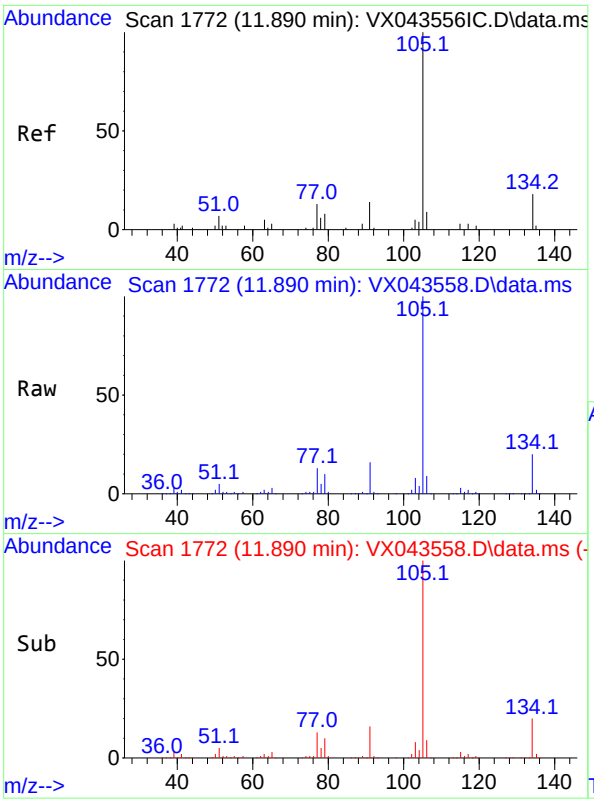


#84
1,2,4-Trimethylbenzene
Concen: 21.002 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:105 Resp: 152608

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



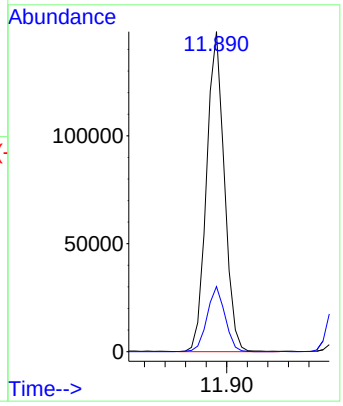


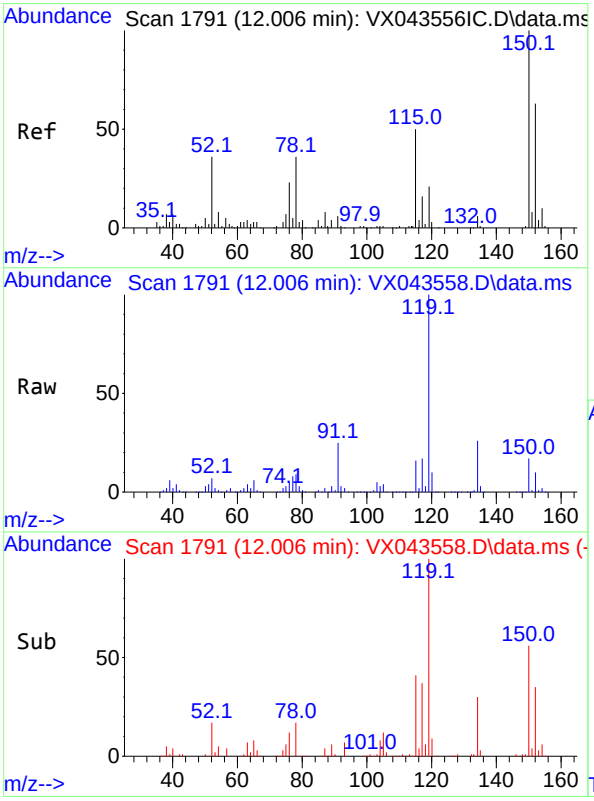
#85
sec-Butylbenzene
Concen: 21.218 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 178042

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5

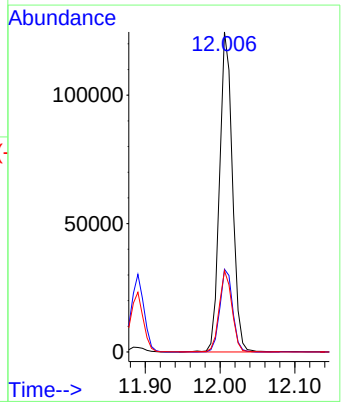


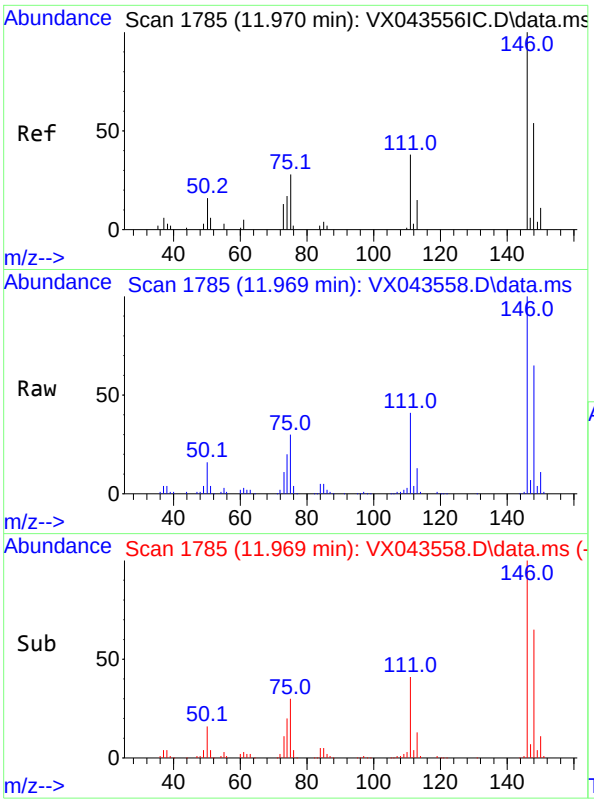


#86
p-Isopropyltoluene
Concen: 21.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:119 Resp: 149537

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	25.3	12.4	37.0



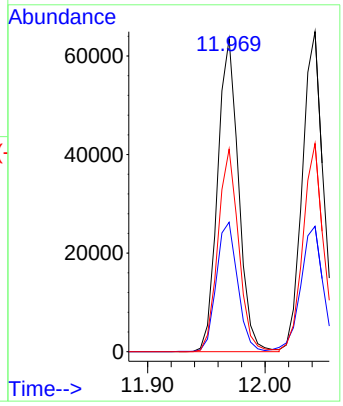


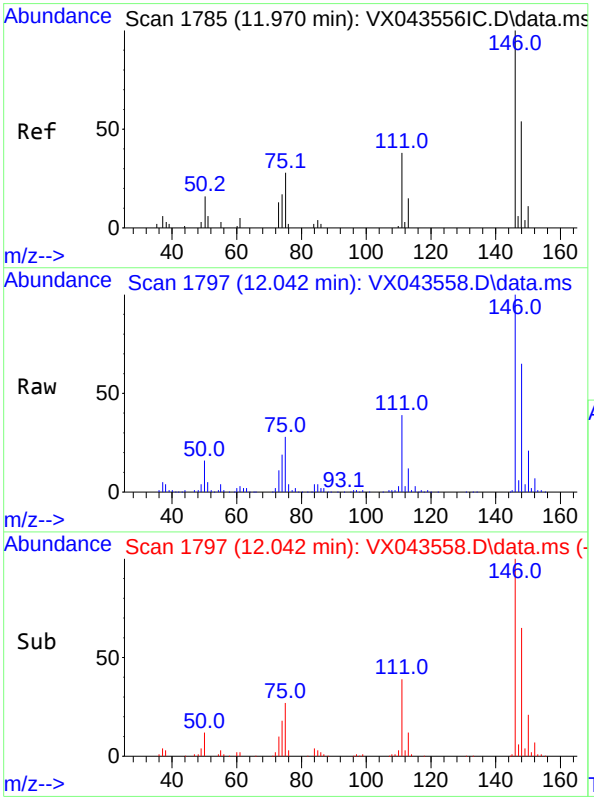
#87
1,3-Dichlorobenzene
Concen: 20.122 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 78867

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	63.5	31.6	94.8

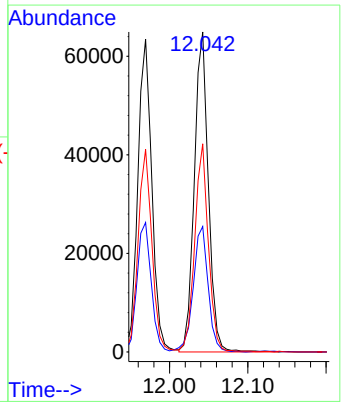


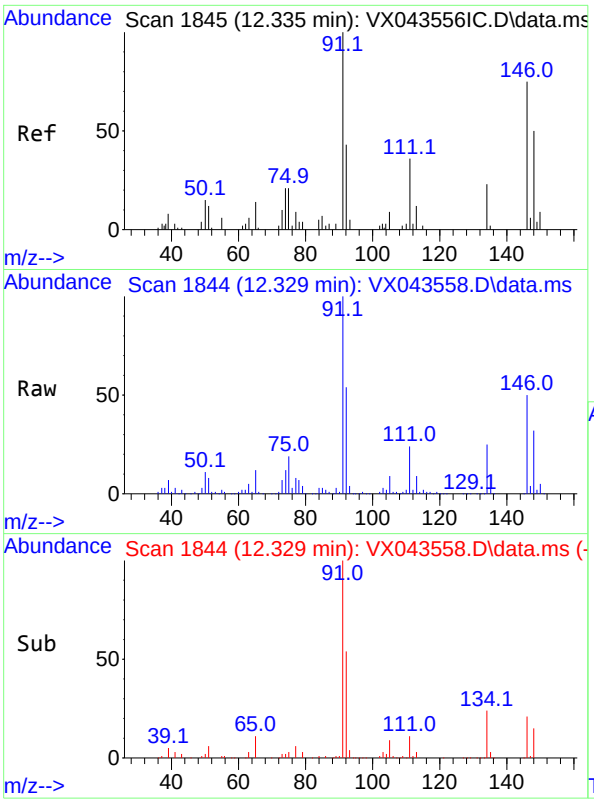


#88
1,4-Dichlorobenzene
Concen: 20.525 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:146 Resp: 81095

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.8	31.9	95.9



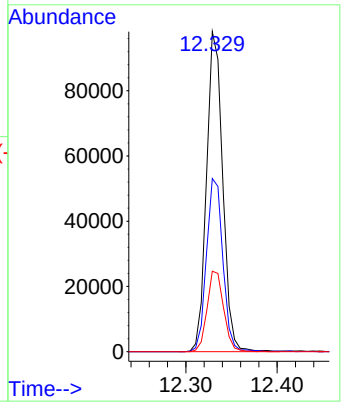


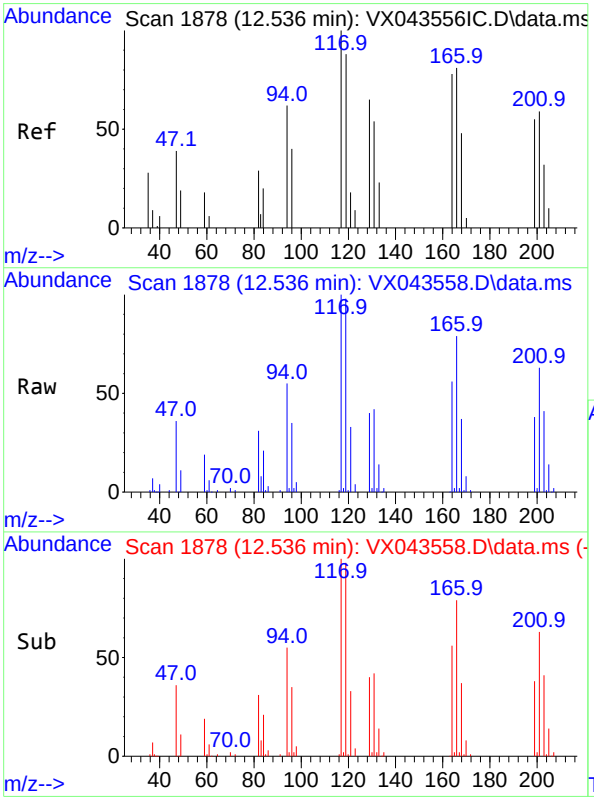
#89
n-Butylbenzene
Concen: 21.375 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 120461

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.1	81.2
134	25.8	12.9	38.6

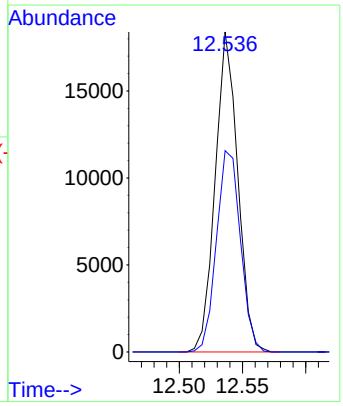


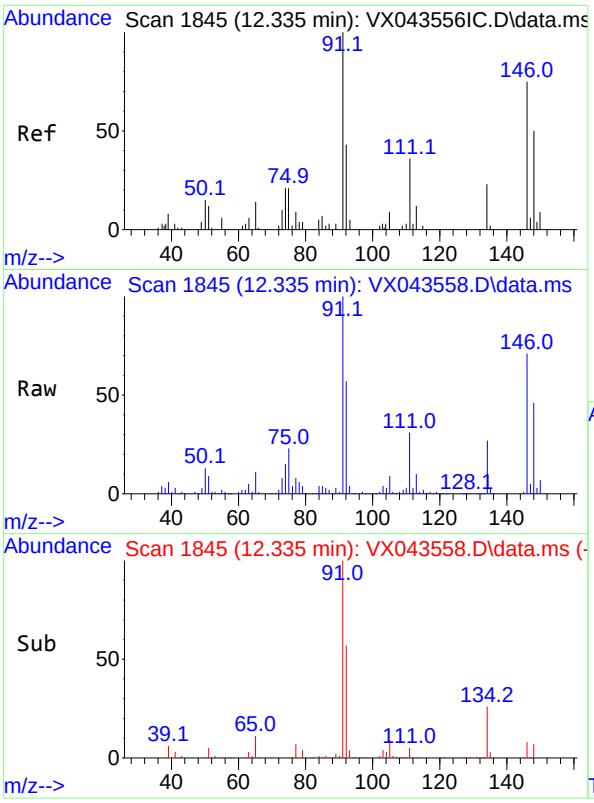


#90
Hexachloroethane
Concen: 20.246 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:117 Resp: 22769

Ion	Ratio	Lower	Upper
117	100		
201	67.1	32.9	98.7



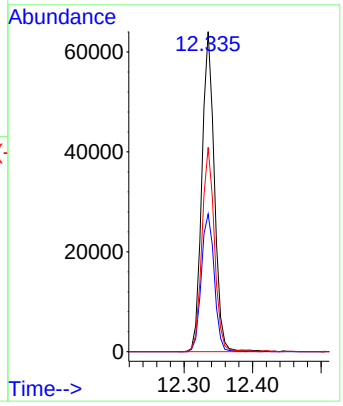


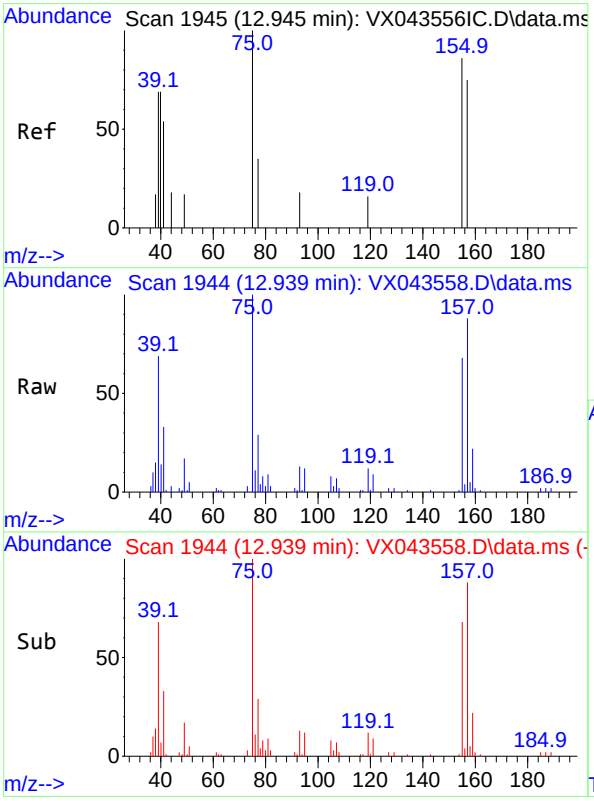
#91
1,2-Dichlorobenzene
Concen: 20.112 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 81283

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	64.6
148	64.0	31.6	95.0

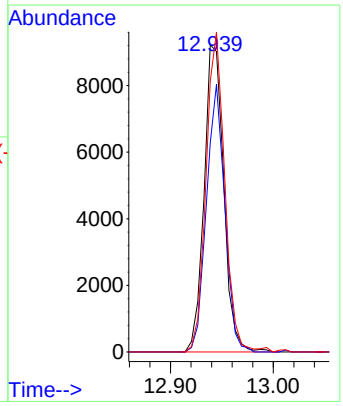


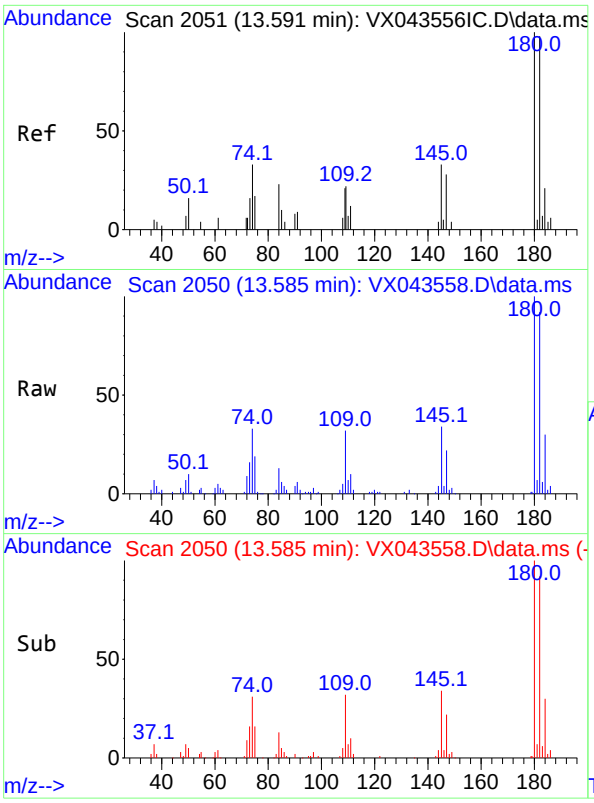


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.603 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion: 75 Resp: 12277

Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.1	120.3
157	99.8	50.8	152.4



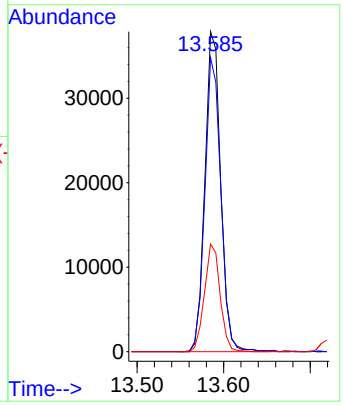


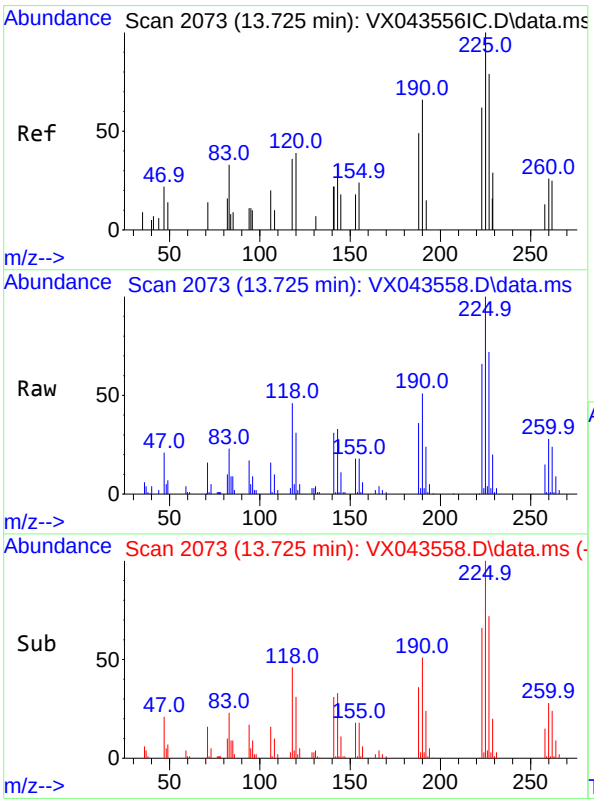
#93
1,2,4-Trichlorobenzene
Concen: 20.219 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 47851

Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.8	140.4
145	33.4	16.1	48.3

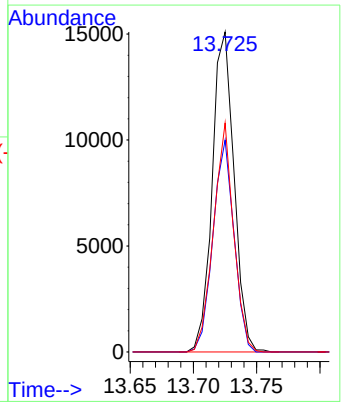


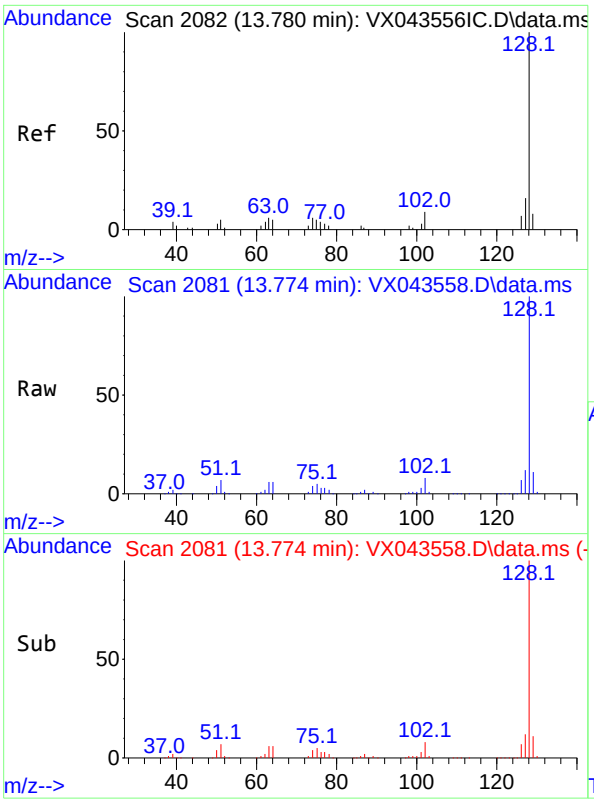


#94
Hexachlorobutadiene
Concen: 21.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:225 Resp: 18082

Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.8	92.4
227	66.2	31.6	94.8



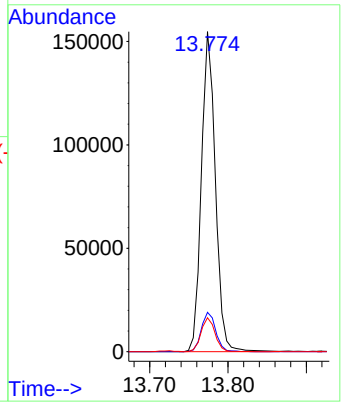


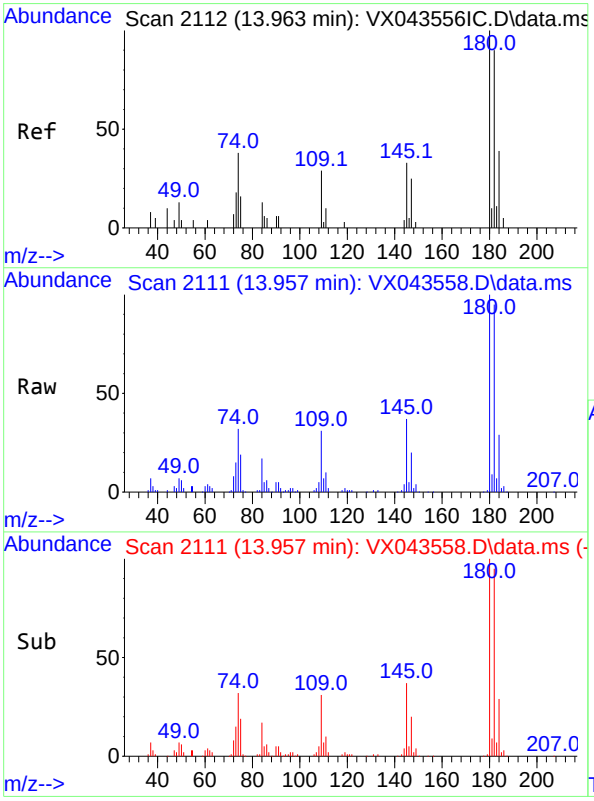
#95
Naphthalene
Concen: 19.754 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 191837

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.7	13.1

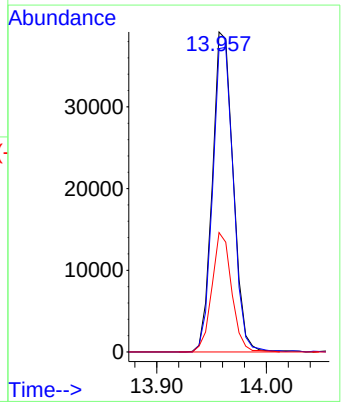




#96
1,2,3-Trichlorobenzene
Concen: 20.826 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043558.D
Acq: 28 Oct 2024 11:45

Tgt Ion:180 Resp: 51568

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	35.5	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	148919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116854	49.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.940%			
35) Dibromofluoromethane	5.379	113	91079	50.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.647	98	318252	50.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	120225	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	75417	45.433	ug/l	96
3) Chloromethane	1.294	50	96896	45.755	ug/l	99
4) Vinyl Chloride	1.374	62	94488	48.982	ug/l	99
5) Bromomethane	1.593	94	38969	51.722	ug/l	98
6) Chloroethane	1.666	64	33540	53.137	ug/l	99
7) Trichlorofluoromethane	1.867	101	116013	45.825	ug/l	98
8) Diethyl Ether	2.136	74	52937	47.871	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	78193	48.932	ug/l	99
10) Methyl Iodide	2.440	142	116521	52.655	ug/l	99
11) Tert butyl alcohol	3.081	59	6360	12.605	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	79758	50.765	ug/l	93
13) Acrolein	2.239	56	80960	203.631	ug/l	98
14) Allyl chloride	2.654	41	141976	50.925	ug/l	98
15) Acrylonitrile	3.068	53	259325	232.022	ug/l	100
16) Acetone	2.392	43	232587	230.659	ug/l	100
17) Carbon Disulfide	2.501	76	168807	51.908	ug/l	100
18) Methyl Acetate	2.709	43	137905	45.505	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	309762	50.673	ug/l	98
20) Methylene Chloride	2.782	84	98700	50.086	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	83735	49.229	ug/l	98
22) Diisopropyl ether	3.763	45	290506	50.487	ug/l	97
23) Vinyl Acetate	3.721	43	1256555	264.336	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165218	50.903	ug/l	98
25) 2-Butanone	4.568	43	359526	234.753	ug/l	100
26) 2,2-Dichloropropane	4.465	77	132434	56.613	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	110158	51.979	ug/l	99
28) Bromochloromethane	4.897	49	75534	47.042	ug/l	98
29) Tetrahydrofuran	5.013	42	230616	230.617	ug/l	100
30) Chloroform	5.086	83	173217	49.905	ug/l	97
31) Cyclohexane	5.464	56	124896	48.500	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	146876	50.355	ug/l	98
36) 1,1-Dichloropropene	5.690	75	105059	49.233	ug/l	98
37) Ethyl Acetate	4.714	43	136901	47.008	ug/l	99
38) Carbon Tetrachloride	5.672	117	120318	49.620	ug/l	98
39) Methylcyclohexane	7.379	83	138062	50.451	ug/l	95
40) Benzene	6.031	78	366906	51.436	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73294	50.034	ug/l		96
42) 1,2-Dichloroethane	6.086	62	133953	51.050	ug/l		99
43) Isopropyl Acetate	6.342	43	226323	49.127	ug/l		99
44) Trichloroethene	7.123	130	91422	54.057	ug/l		91
45) 1,2-Dichloropropane	7.427	63	91389	52.464	ug/l		99
46) Dibromomethane	7.580	93	70386	52.600	ug/l		98
47) Bromodichloromethane	7.818	83	129022	54.350	ug/l		95
48) Methyl methacrylate	7.696	41	108981	50.670	ug/l		99
49) 1,4-Dioxane	7.671	88	44516	805.596	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	710786	243.501	ug/l		99
52) Toluene	8.714	92	227004	51.617	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	137951	57.422	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	147056	55.739	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	96225	51.848	ug/l		99
56) Ethyl methacrylate	9.116	69	159817	53.285	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159890	52.178	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	362792	245.903	ug/l		98
59) 2-Hexanone	9.433	43	541763	245.453	ug/l		99
60) Dibromochloromethane	9.518	129	99435	57.260	ug/l		99
61) 1,2-Dibromoethane	9.610	107	99405	53.133	ug/l		98
64) Tetrachloroethene	9.275	164	73551	49.296	ug/l		94
65) Chlorobenzene	10.079	112	256218	51.676	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	88746	52.993	ug/l		99
67) Ethyl Benzene	10.195	91	423515	51.347	ug/l		98
68) m/p-Xylenes	10.299	106	329261	105.366	ug/l		98
69) o-Xylene	10.640	106	164266	51.137	ug/l		99
70) Styrene	10.652	104	281883	54.218	ug/l		99
71) Bromoform	10.799	173	65582	58.090	ug/l	#	99
73) Isopropylbenzene	10.963	105	408411	49.811	ug/l		100
74) N-amyl acetate	10.841	43	203333	49.234	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	148153	47.168	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	168767	63.288	ug/l		82
77) Bromobenzene	11.195	156	106088	50.684	ug/l		100
78) n-propylbenzene	11.305	91	457180	52.320	ug/l		99
79) 2-Chlorotoluene	11.366	91	288711	49.242	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	348498	51.192	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	47974	54.897	ug/l		95
82) 4-Chlorotoluene	11.451	91	331765	51.131	ug/l		97
83) tert-Butylbenzene	11.713	119	348856	50.250	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	355522	51.061	ug/l		100
85) sec-Butylbenzene	11.890	105	417787	51.960	ug/l		100
86) p-Isopropyltoluene	12.006	119	358049	53.750	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	188818	50.274	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	189658	50.095	ug/l		100
89) n-Butylbenzene	12.329	91	299842	55.523	ug/l		100
90) Hexachloroethane	12.536	117	59554	55.265	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	198010	51.130	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32185	48.159	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	123940	54.653	ug/l		99
94) Hexachlorobutadiene	13.725	225	42766	53.286	ug/l		97
95) Naphthalene	13.774	128	473262	50.857	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126296	53.229	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

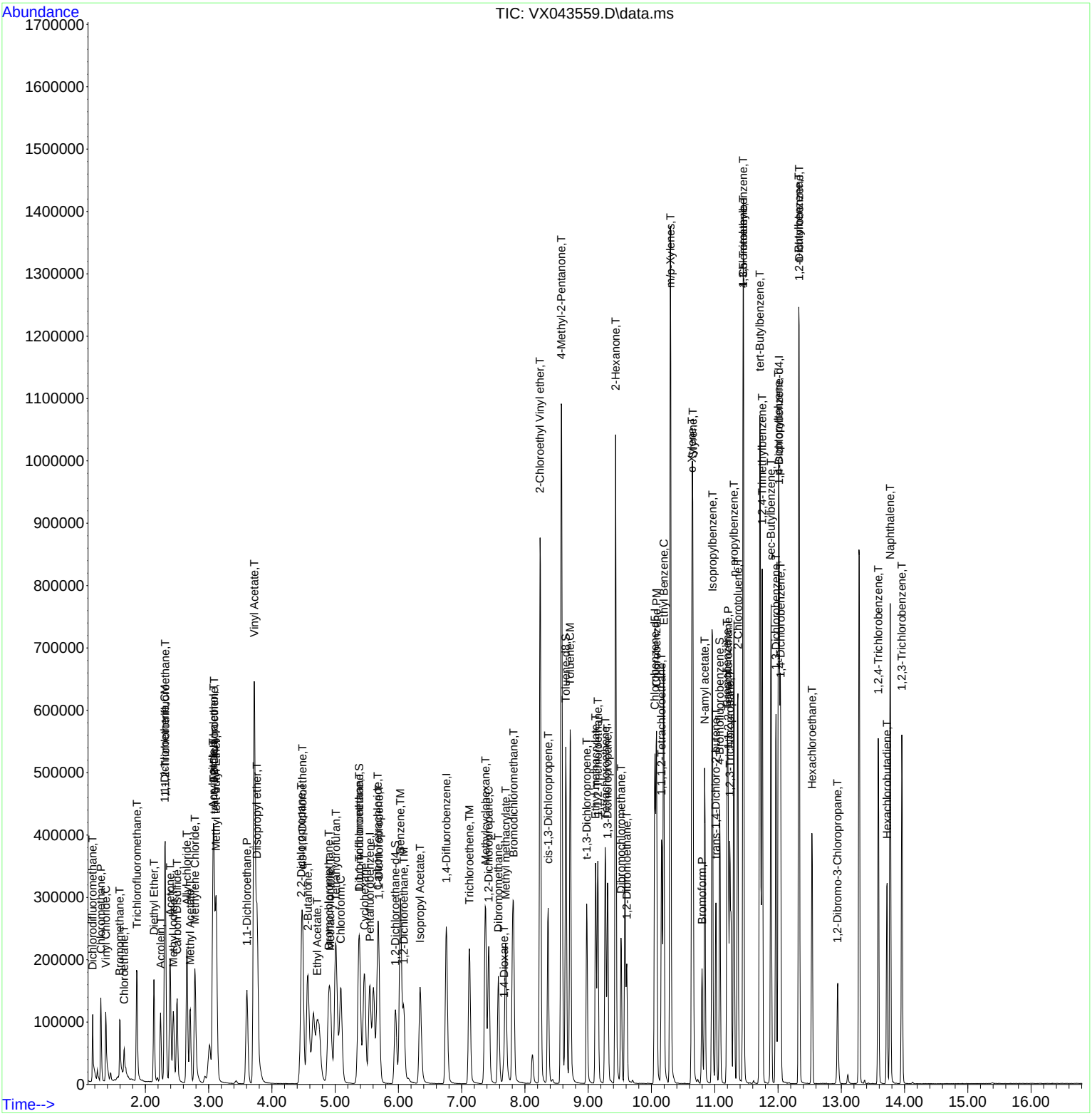
(#) = qualifier out of range (m) = manual integration (+) = signals summed

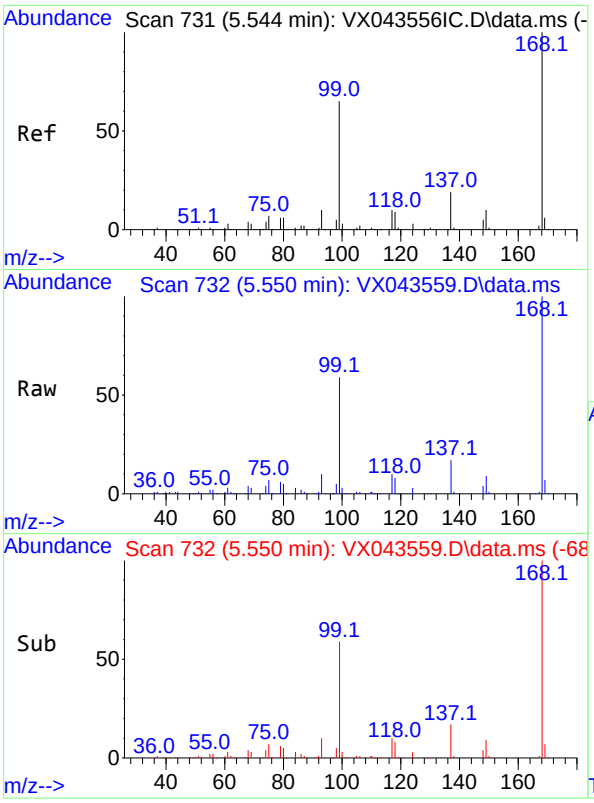
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration



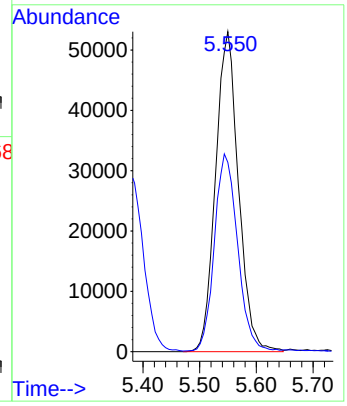


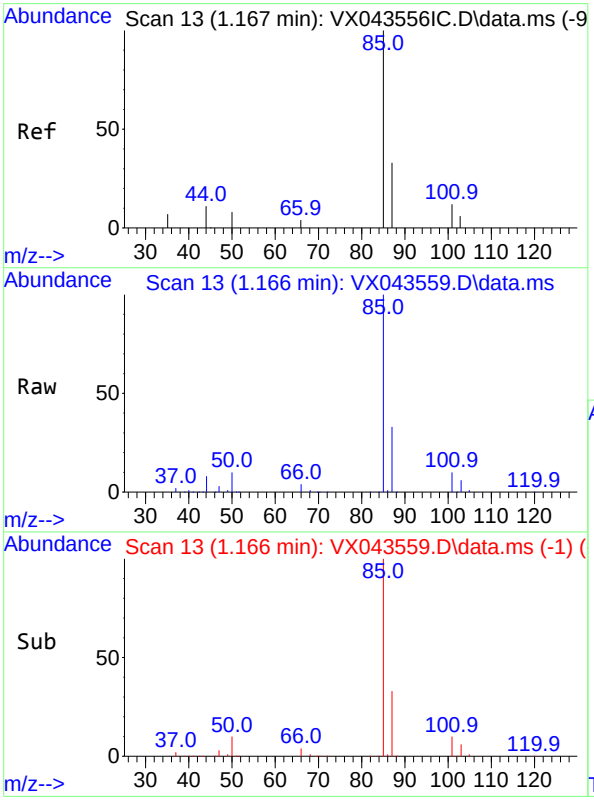
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 148919

Ion	Ratio	Lower	Upper
168	100		
99	58.9	52.6	78.8

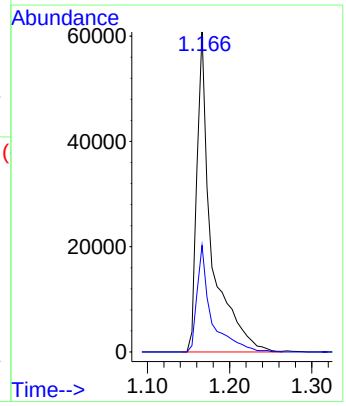


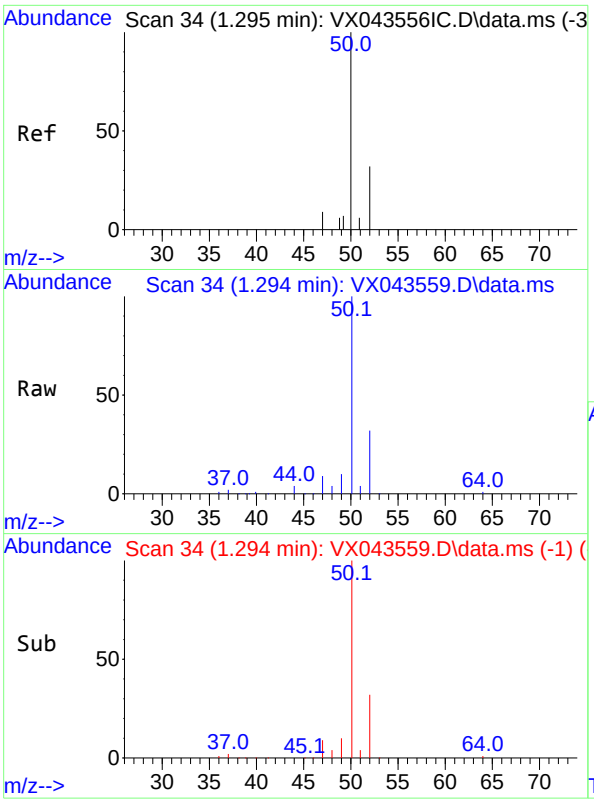


#2
Dichlorodifluoromethane
Concen: 45.433 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 85 Resp: 75417

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.7	47.0



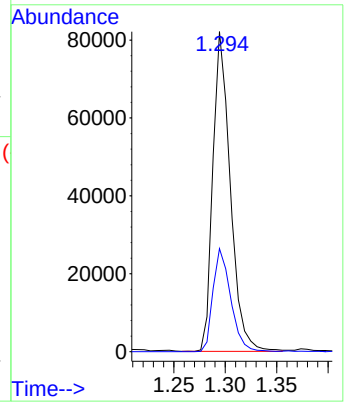


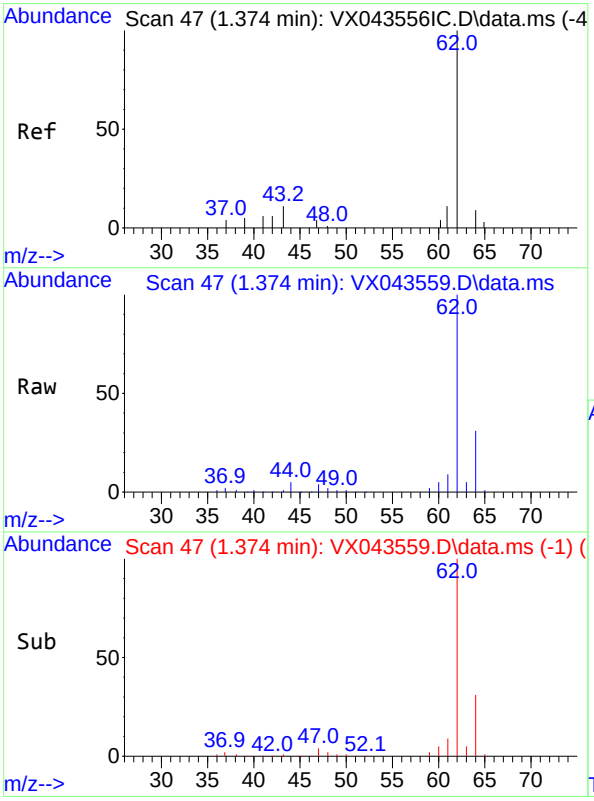
#3
Chloromethane
Concen: 45.755 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 96896

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.3	39.5

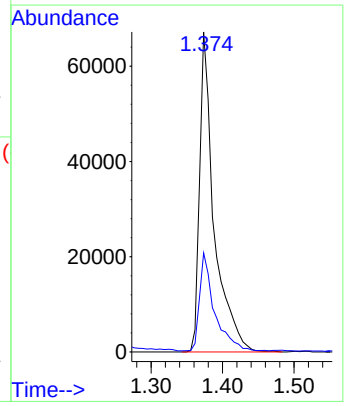


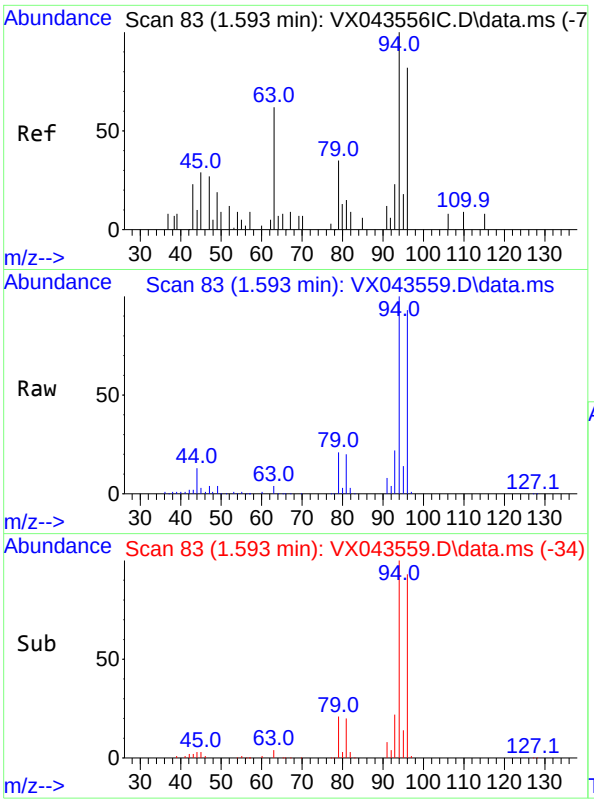


#4
Vinyl Chloride
Concen: 48.982 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 62 Resp: 94488

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.0	37.4



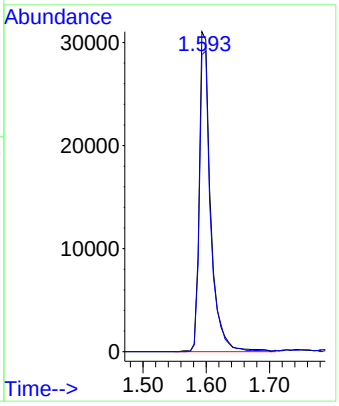


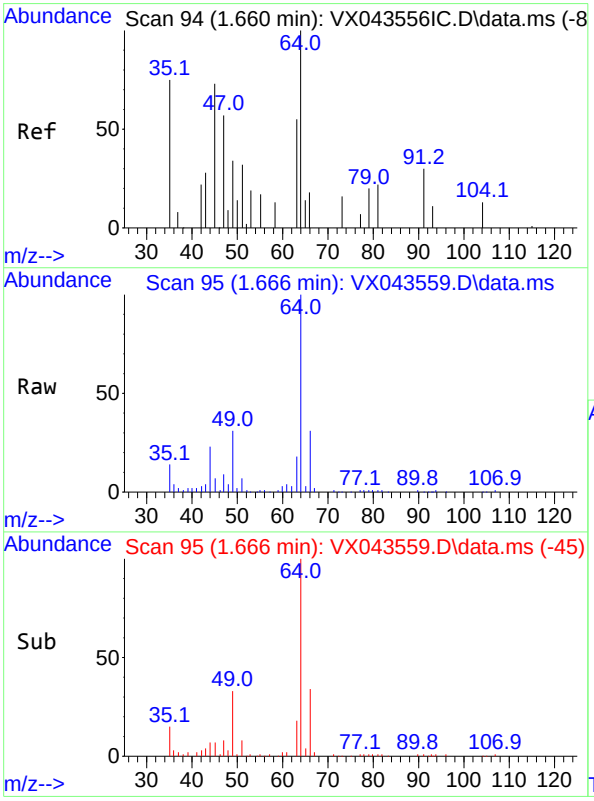
#5
Bromomethane
Concen: 51.722 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 38969

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.9	113.9

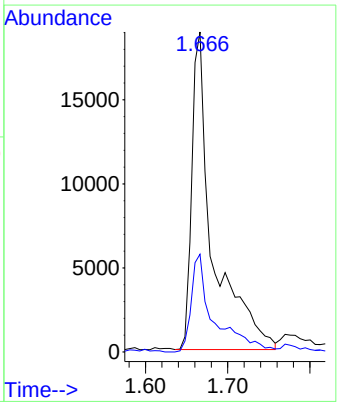


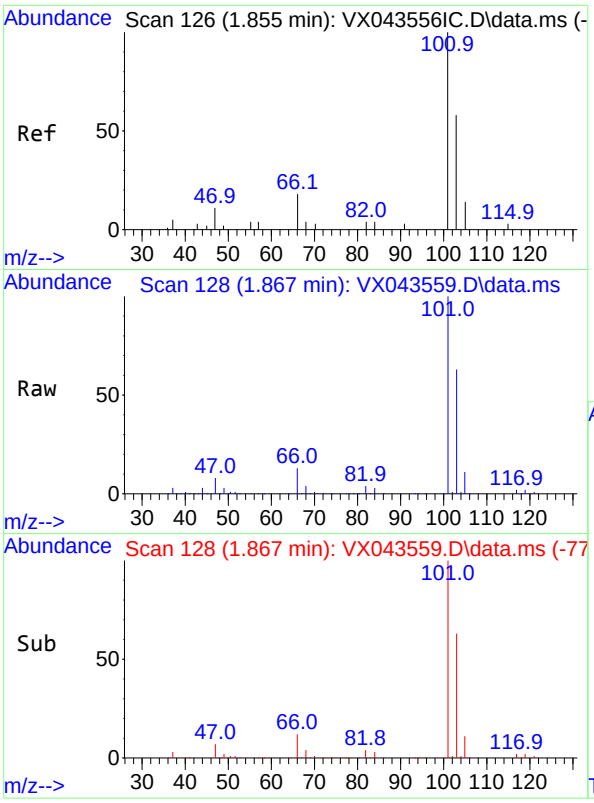


#6
Chloroethane
Concen: 53.137 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 64 Resp: 33540

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.1	37.7



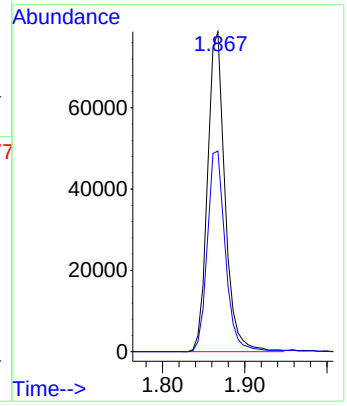


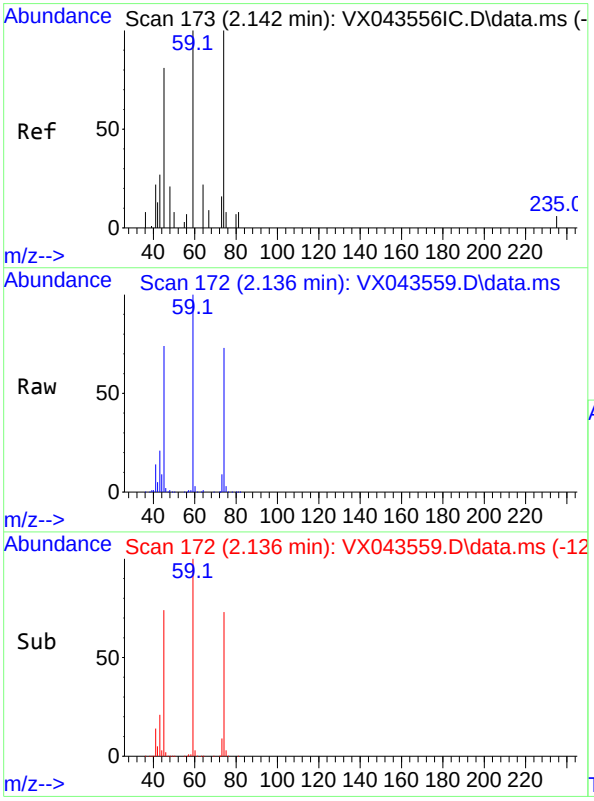
#7
Trichlorofluoromethane
Concen: 45.825 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 116013

Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.3	76.9

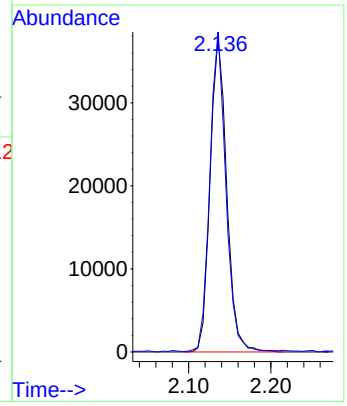


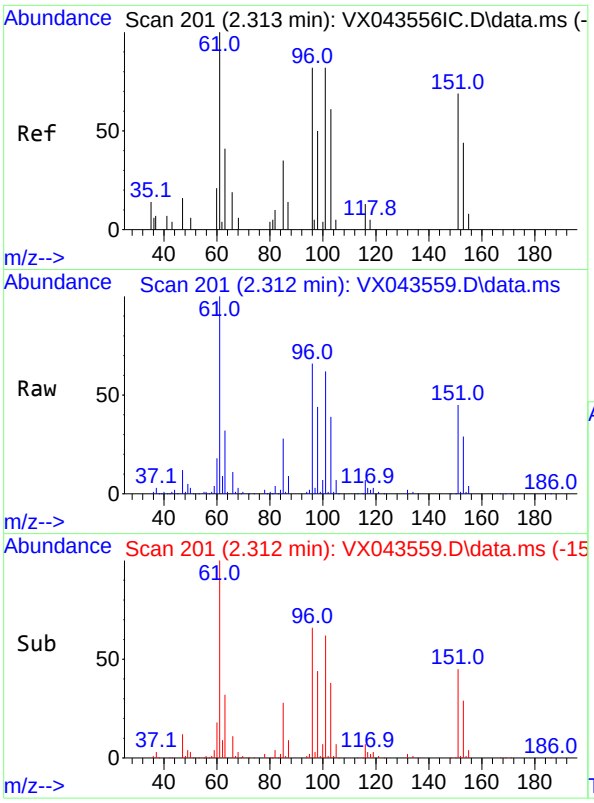


#8
Diethyl Ether
Concen: 47.871 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 74 Resp: 52937

Ion	Ratio	Lower	Upper
74	100		
45	98.1	47.5	142.5



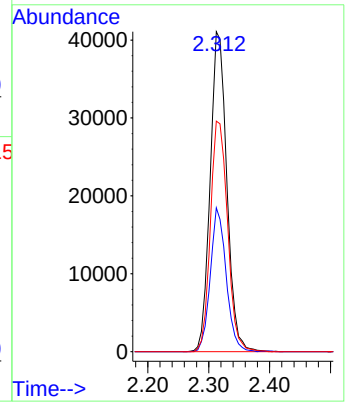


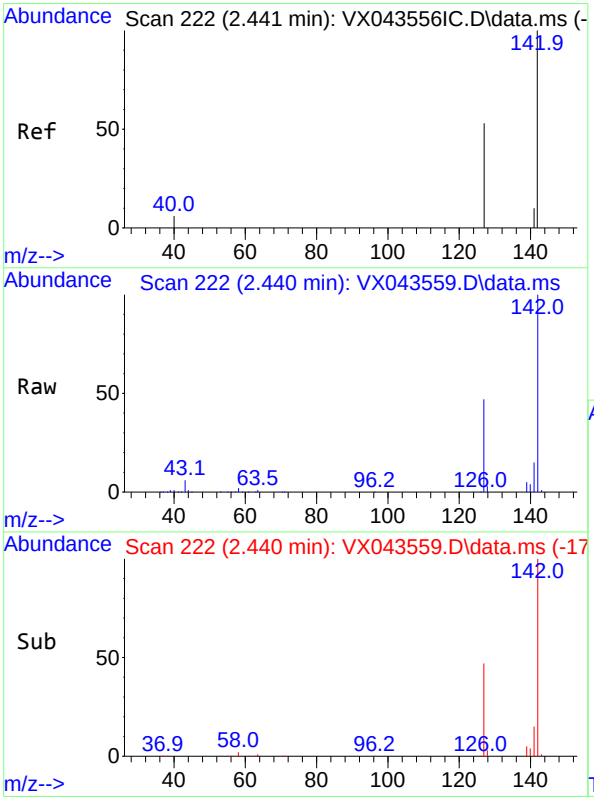
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.932 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 78193

Ion	Ratio	Lower	Upper
101	100		
85	42.8	34.5	51.7
151	74.2	58.2	87.2

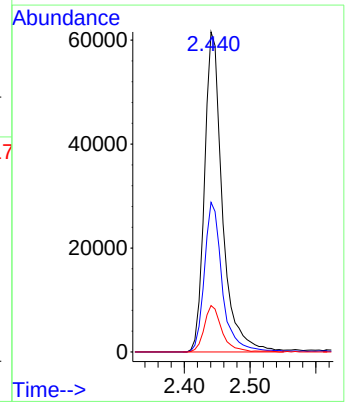


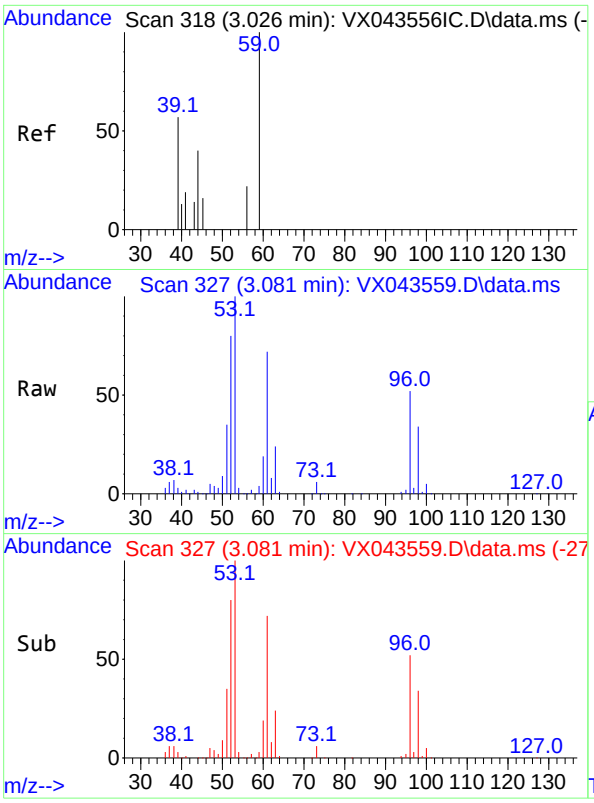


#10
Methyl Iodide
Concen: 52.655 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:142 Resp: 116521

Ion	Ratio	Lower	Upper
142	100		
127	46.8	38.2	57.4
141	14.5	11.5	17.3



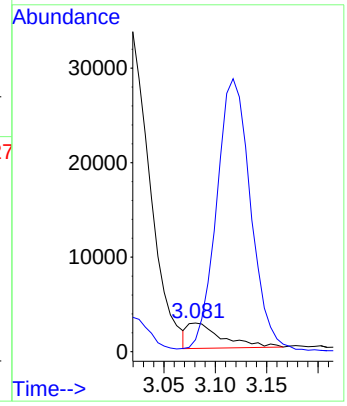


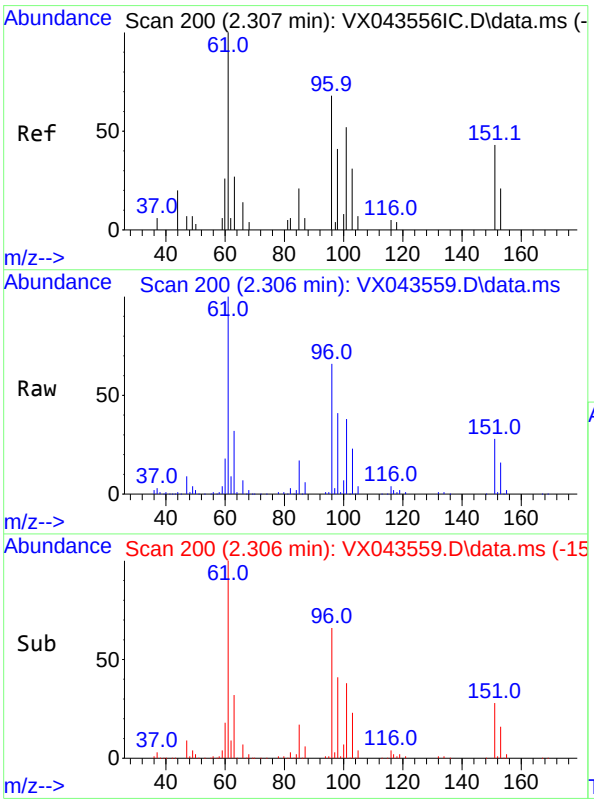
#11
Tert butyl alcohol
Concen: 12.605 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.031 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 6360

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

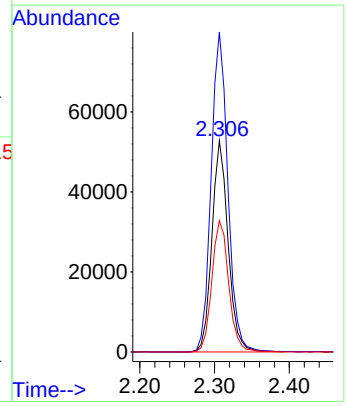


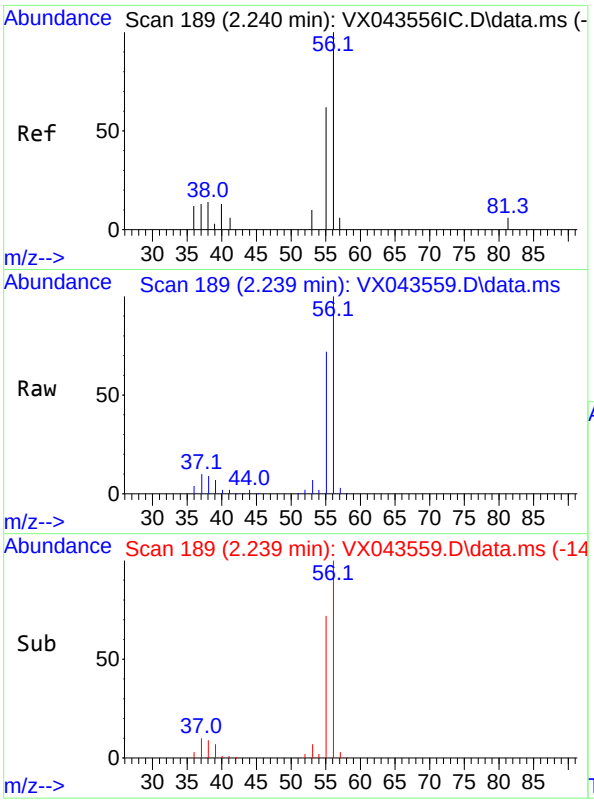


#12
1,1-Dichloroethene
Concen: 50.765 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 96 Resp: 79758

Ion	Ratio	Lower	Upper
96	100		
61	151.5	130.2	195.4
98	62.1	51.0	76.6



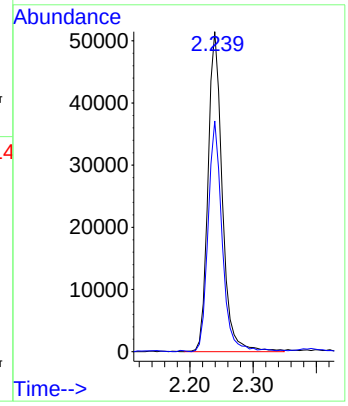


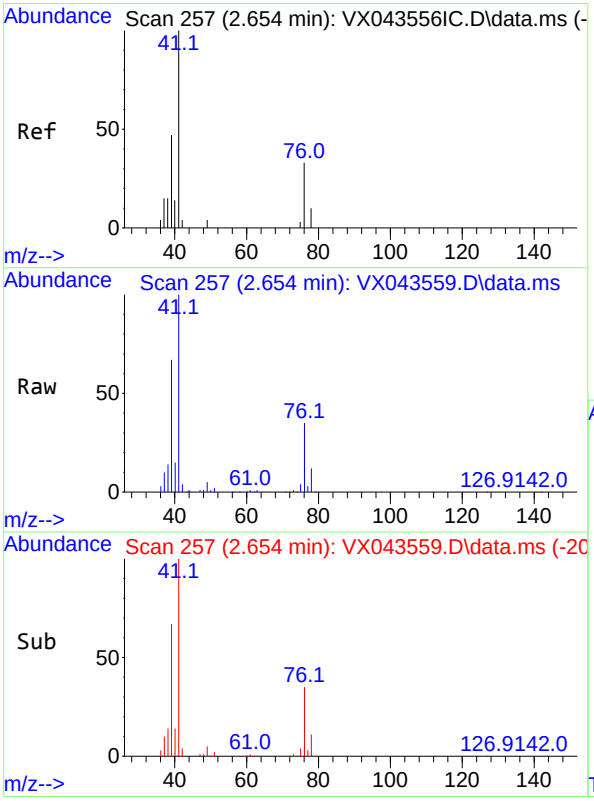
#13
Acrolein
Concen: 203.631 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 80960

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.3	82.9

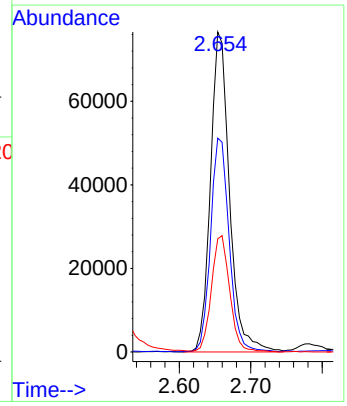


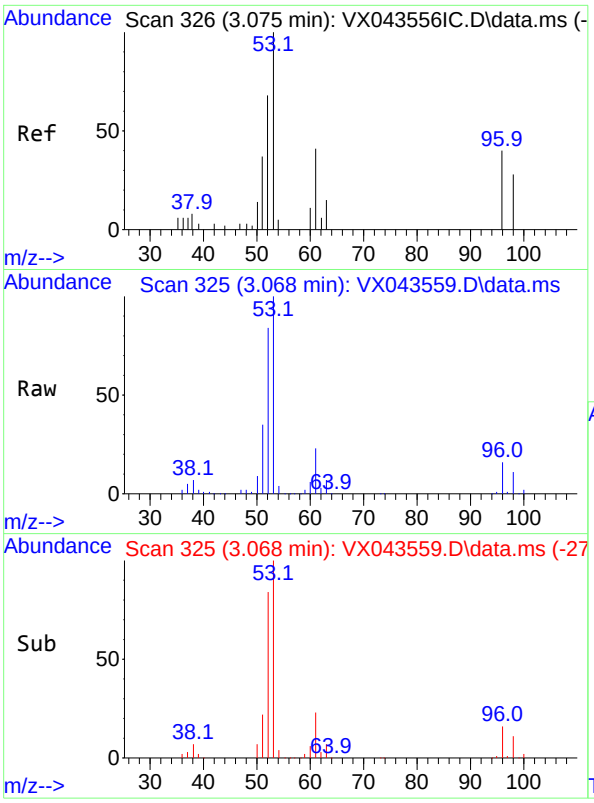


#14
Allyl chloride
Concen: 50.925 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 41 Resp: 141976

Ion	Ratio	Lower	Upper
41	100		
39	65.3	53.2	79.8
76	34.9	27.0	40.6



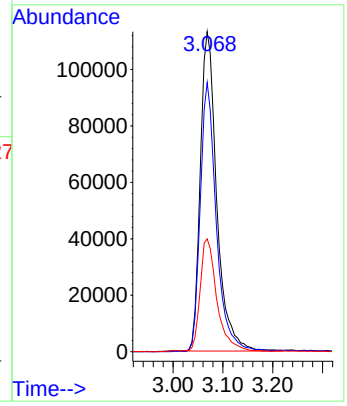


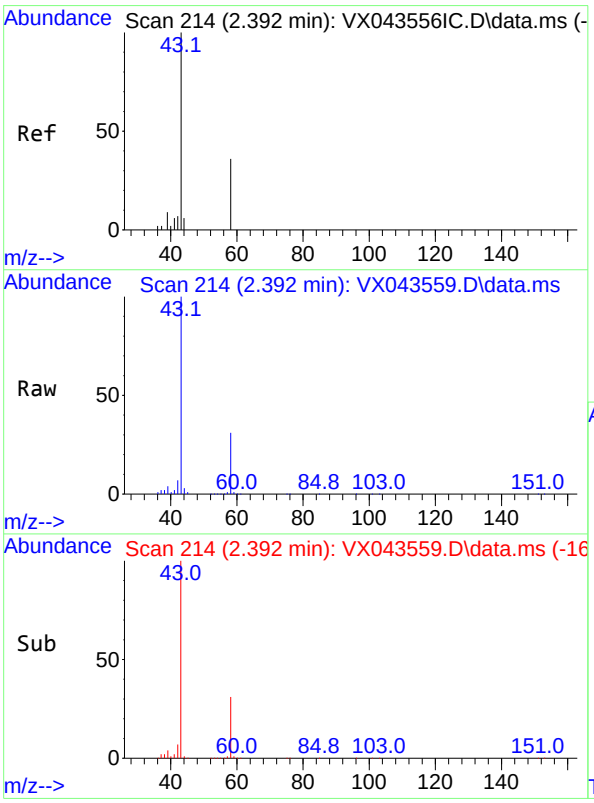
#15
Acrylonitrile
Concen: 232.022 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 259325

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	35.9	28.5	42.7

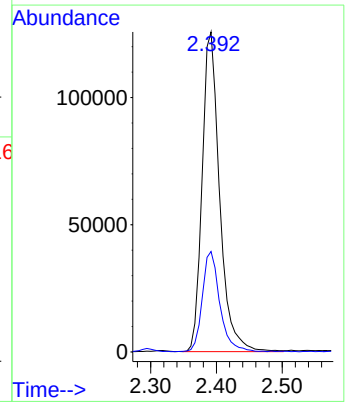


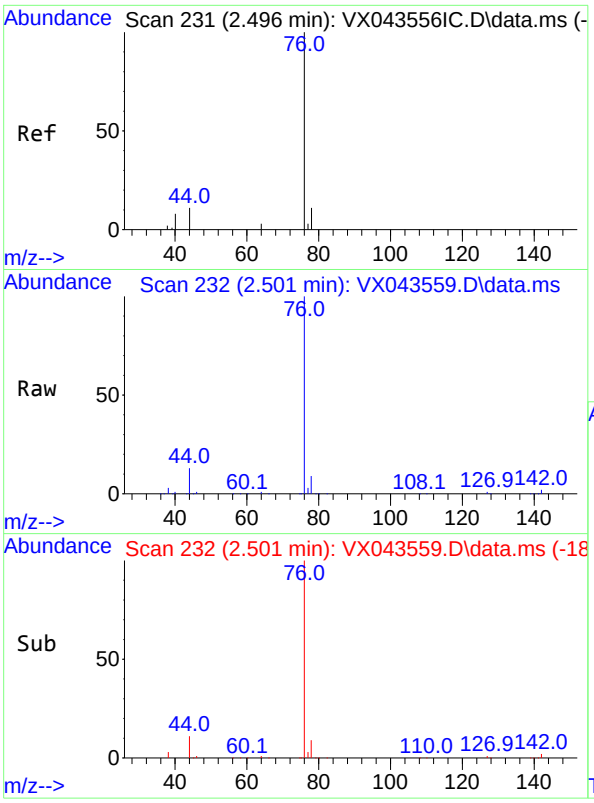


#16
Acetone
Concen: 230.659 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 232587

Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7



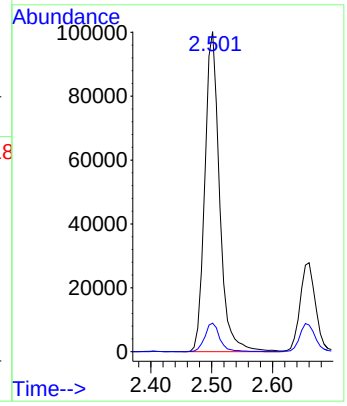


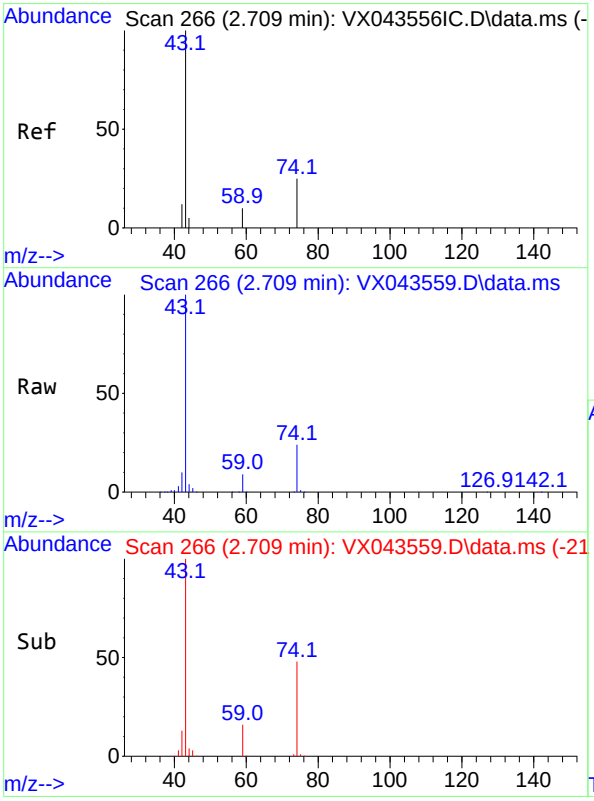
#17
Carbon Disulfide
Concen: 51.908 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 168807

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

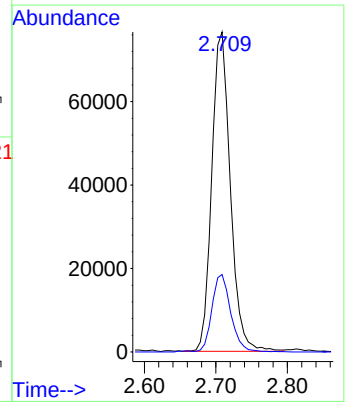


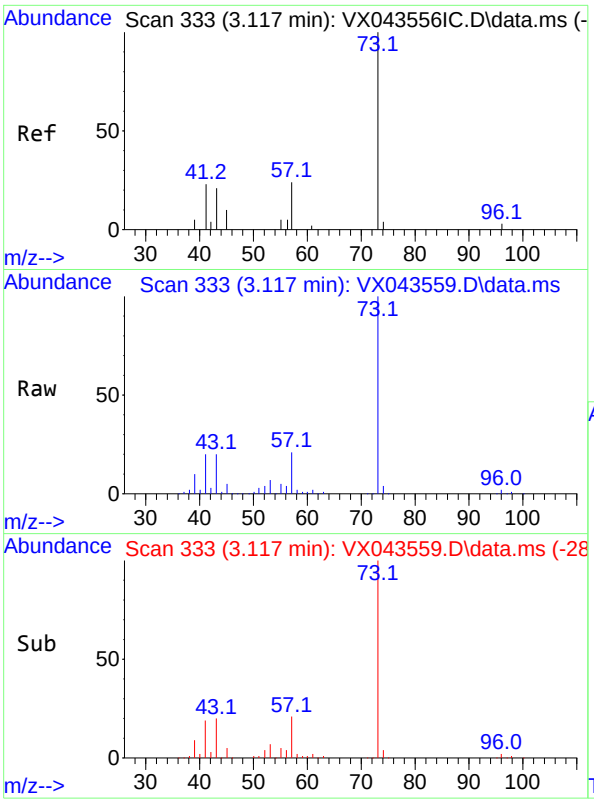


#18
Methyl Acetate
Concen: 45.505 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 137905

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.1	28.7



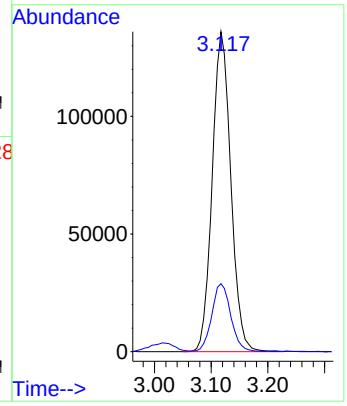


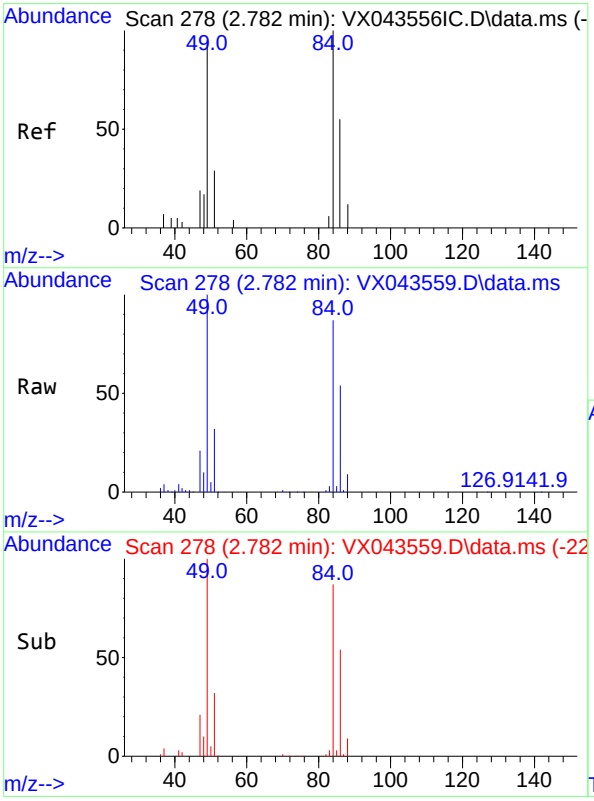
#19
Methyl tert-butyl Ether
Concen: 50.673 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 309762

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

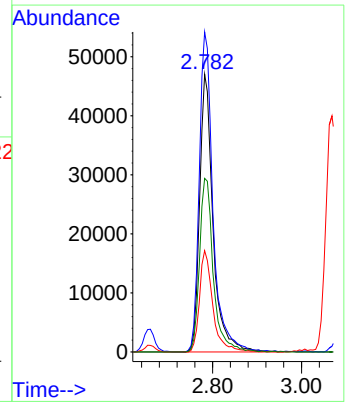


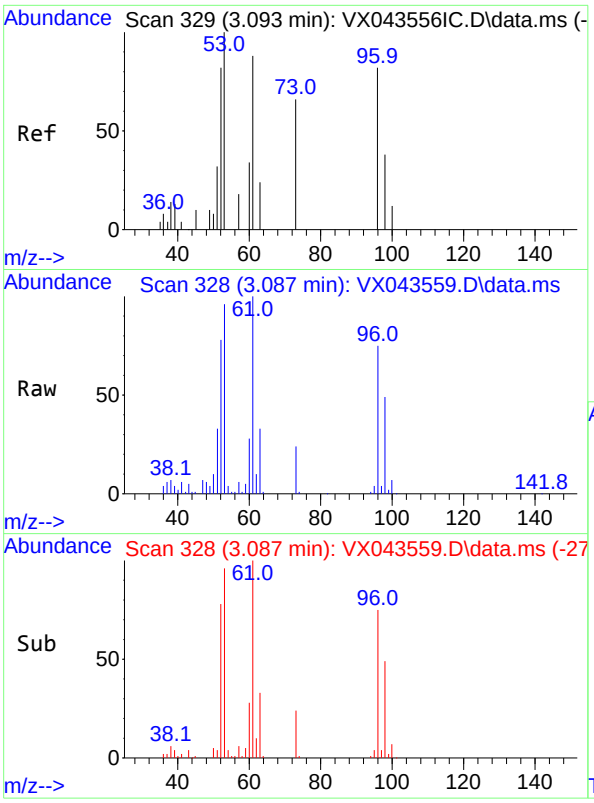


#20
Methylene Chloride
Concen: 50.086 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 84 Resp: 98700

Ion	Ratio	Lower	Upper
84	100		
49	115.2	97.0	145.6
51	36.5	29.8	44.8
86	62.5	53.1	79.7



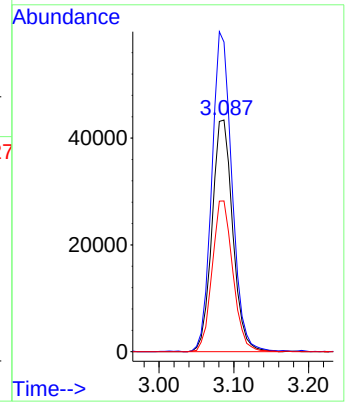


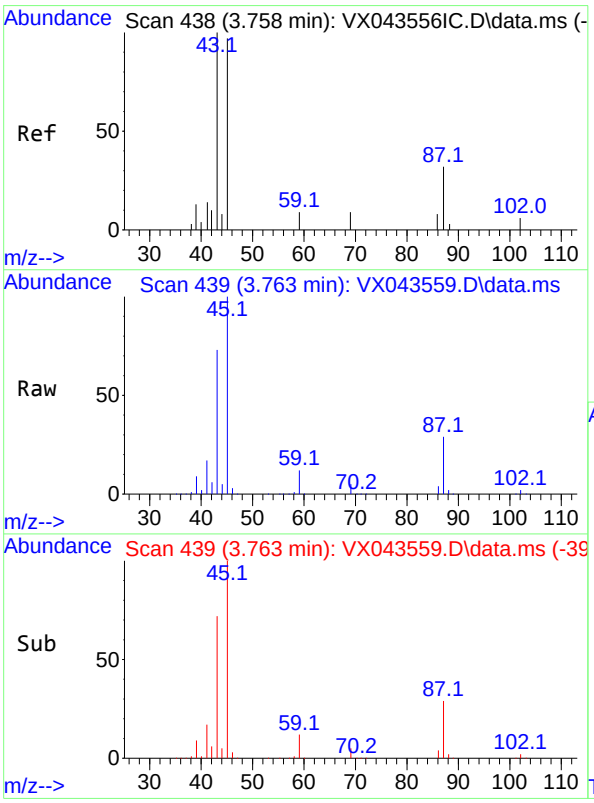
#21
trans-1,2-Dichloroethene
Concen: 49.229 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 83735

Ion	Ratio	Lower	Upper
96	100		
61	133.6	107.1	160.7
98	65.0	47.7	71.5

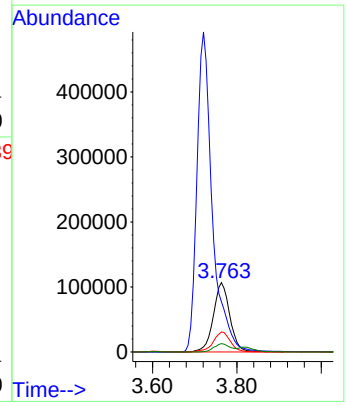


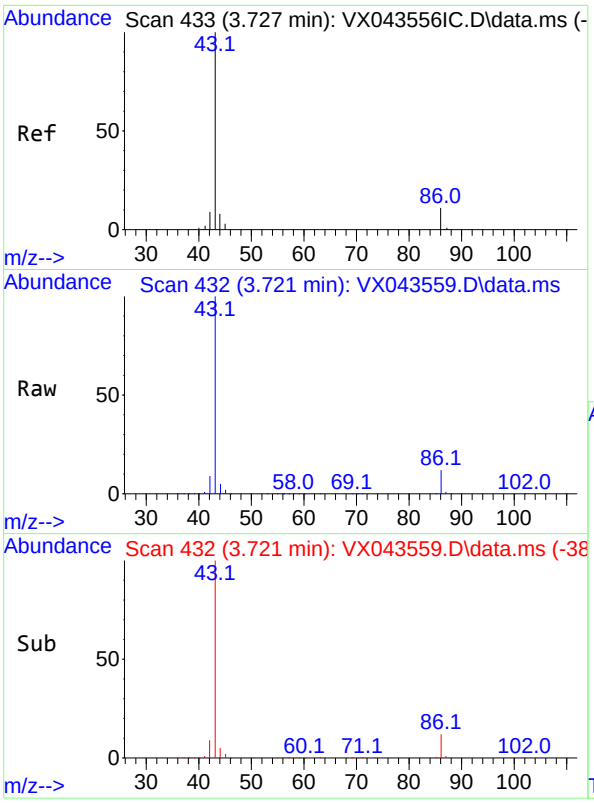


#22
Diisopropyl ether
Concen: 50.487 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 45 Resp: 290506

Ion	Ratio	Lower	Upper
45	100		
43	72.4	60.6	90.8
87	28.9	22.0	33.0
59	12.1	9.5	14.3



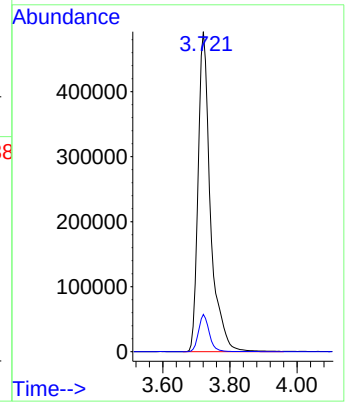


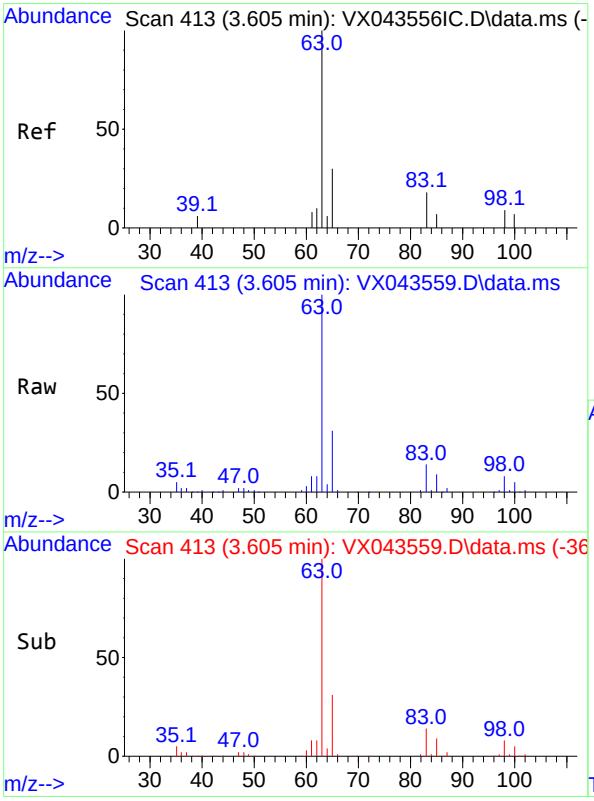
#23
Vinyl Acetate
Concen: 264.336 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1256555

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

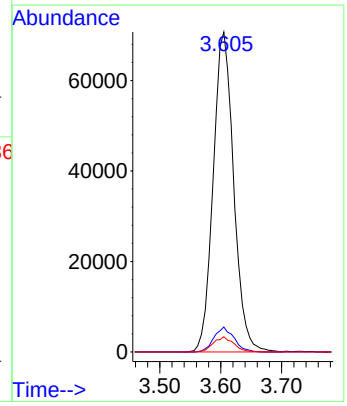


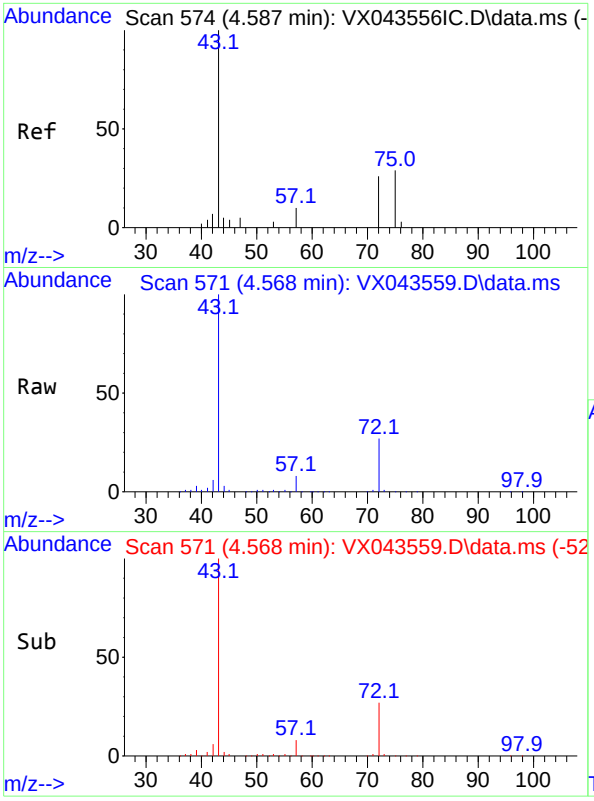


#24
1,1-Dichloroethane
Concen: 50.903 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 63 Resp: 165218

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.5	10.4
100	4.8	2.4	7.2



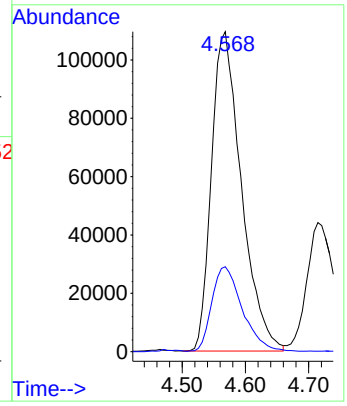


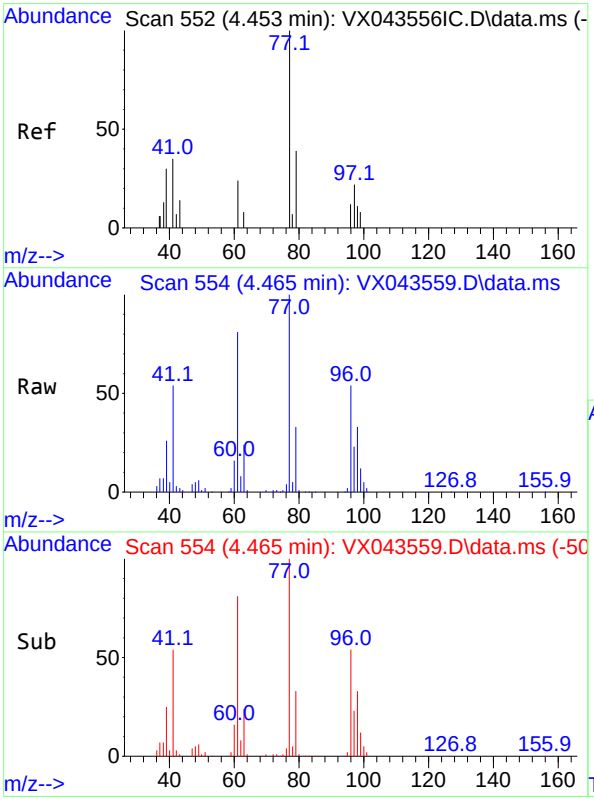
#25
2-Butanone
Concen: 234.753 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 359526

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.1	31.7

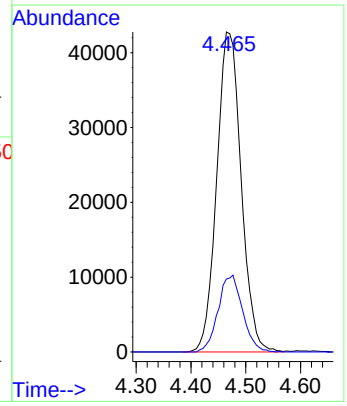


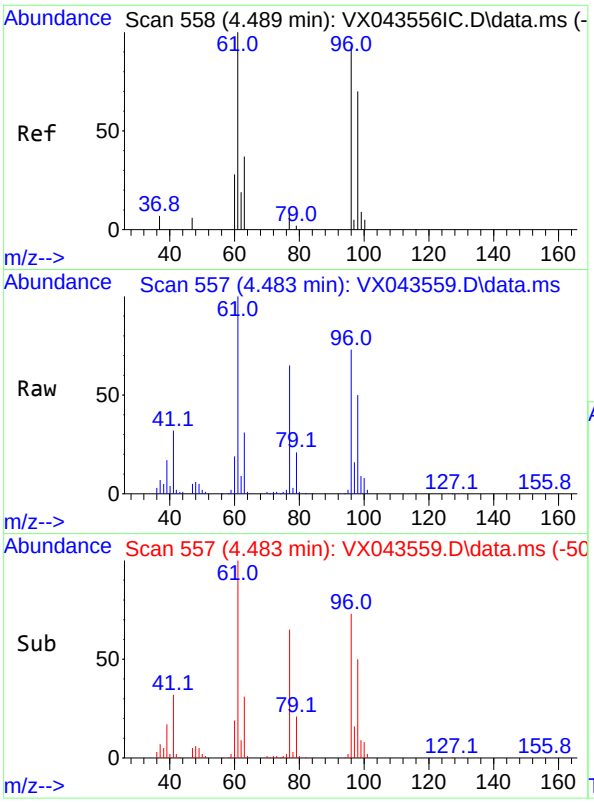


#26
2,2-Dichloropropane
Concen: 56.613 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 77 Resp: 132434

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.8



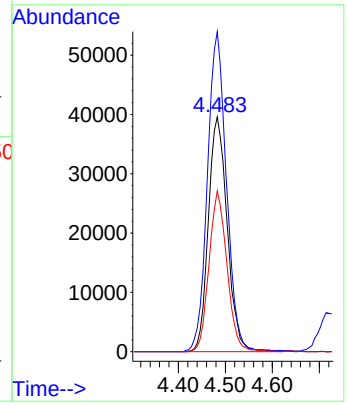


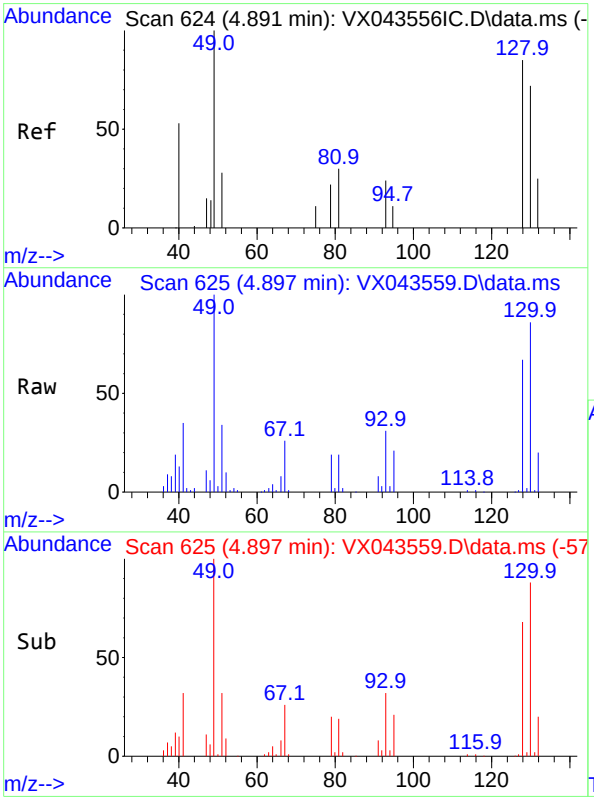
#27
cis-1,2-Dichloroethene
Concen: 51.979 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 110158

Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	277.2
98	65.0	0.0	131.6

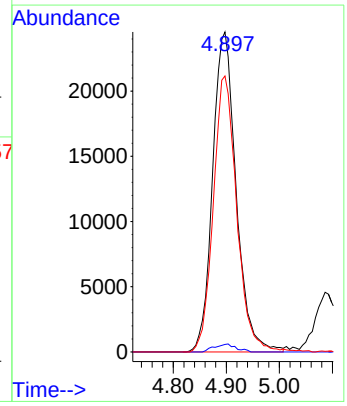


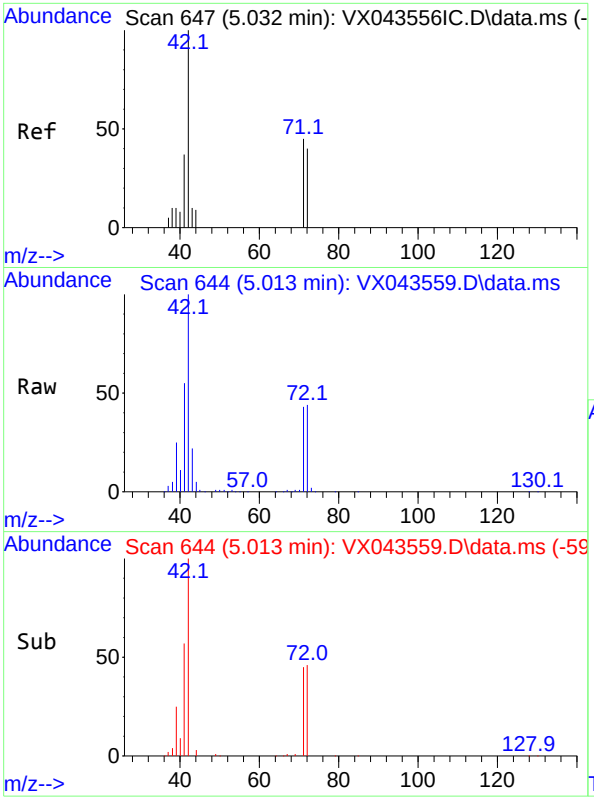


#28
Bromochloromethane
Concen: 47.042 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 49 Resp: 75534

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.3	67.8	101.8



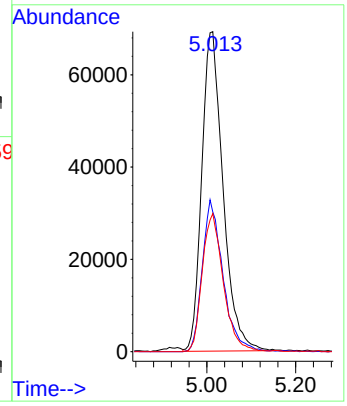


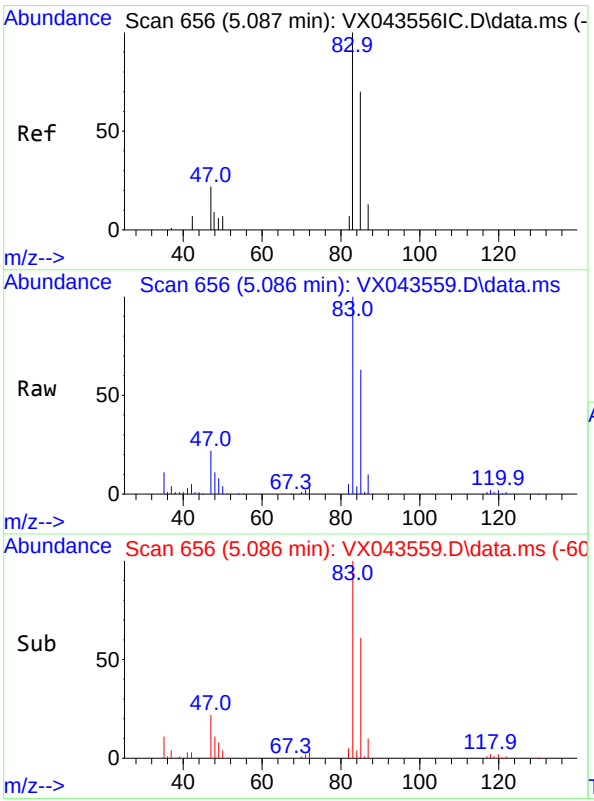
#29
Tetrahydrofuran
Concen: 230.617 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 230616

Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.6	55.0
71	42.9	34.2	51.4

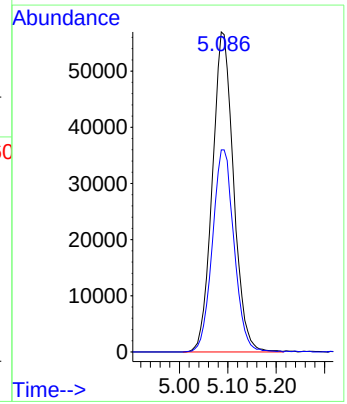


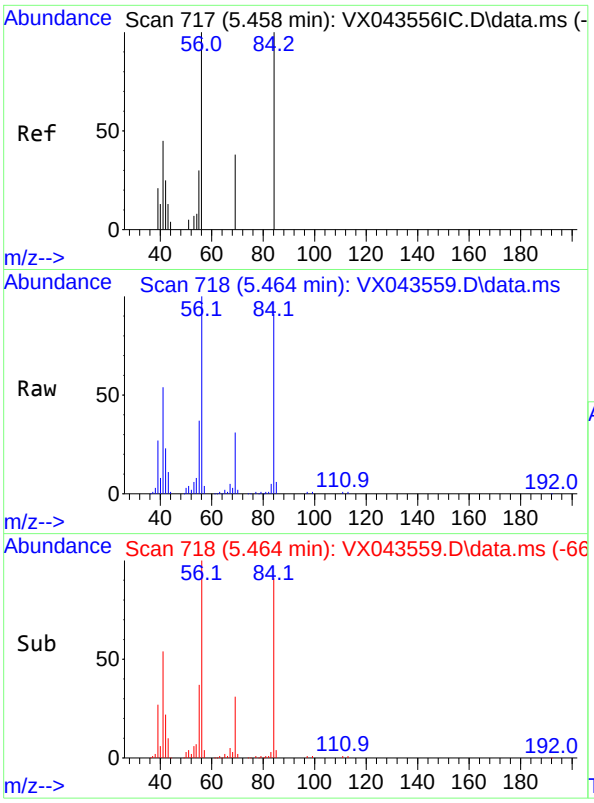


#30
Chloroform
Concen: 49.905 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 83 Resp: 173217

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.4



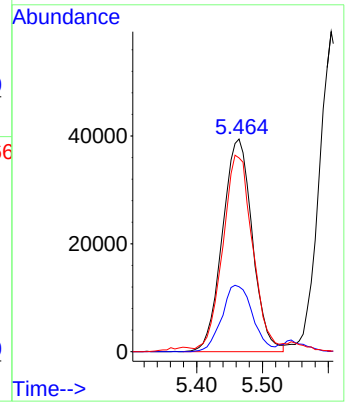


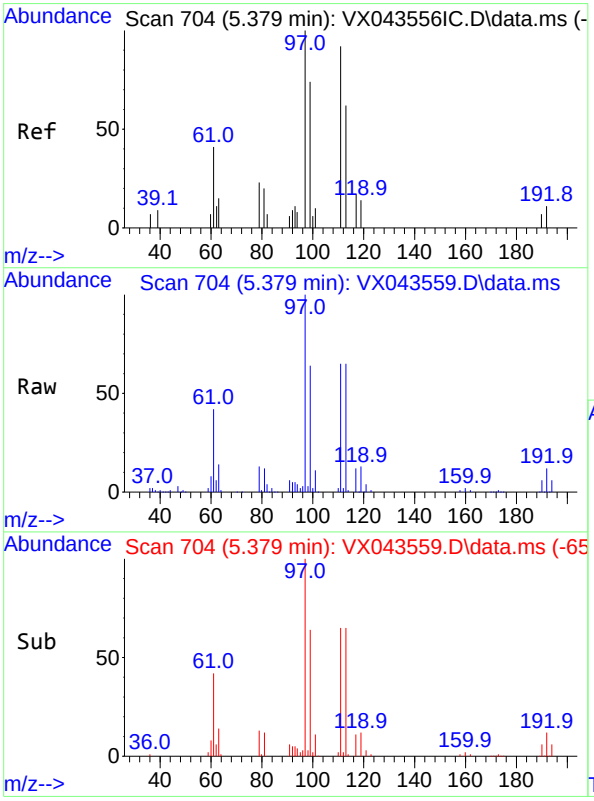
#31
Cyclohexane
Concen: 48.500 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 124896

Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.9	37.3
84	89.0	73.3	109.9

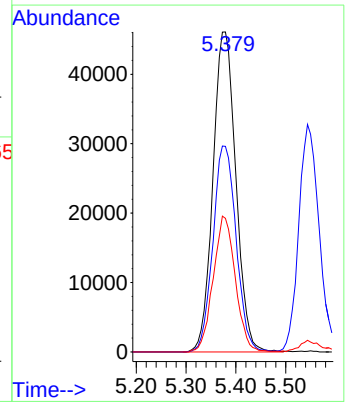


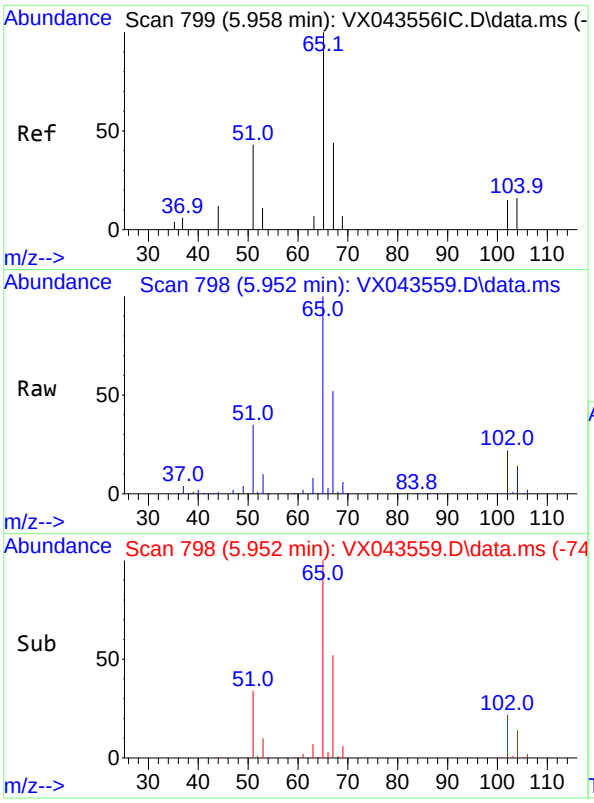


#32
1,1,1-Trichloroethane
Concen: 50.355 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 97 Resp: 146876

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	41.1	34.0	51.0



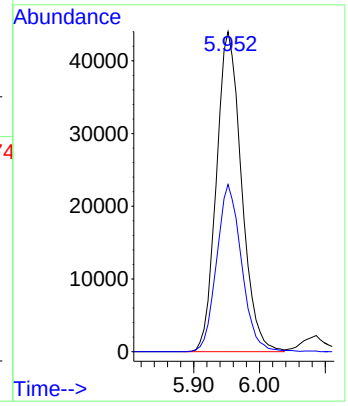


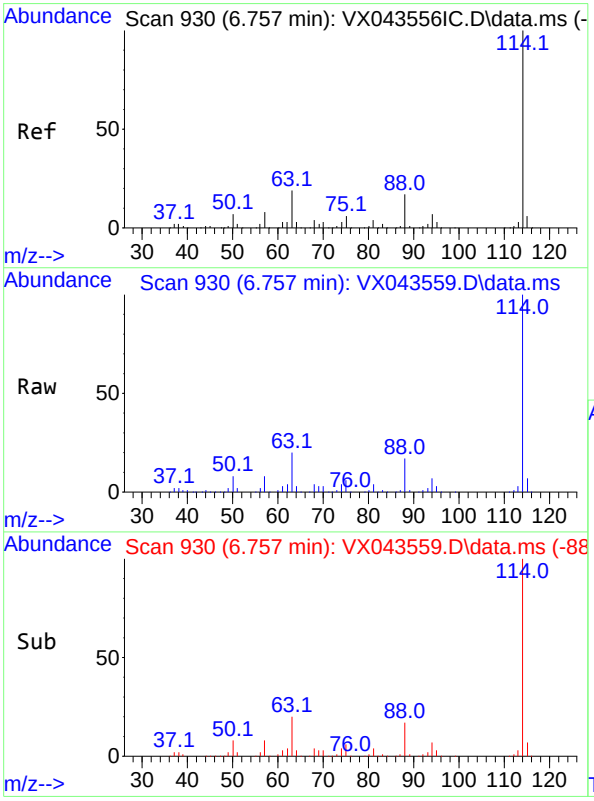
#33
1,2-Dichloroethane-d4
Concen: 49.466 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 116854

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

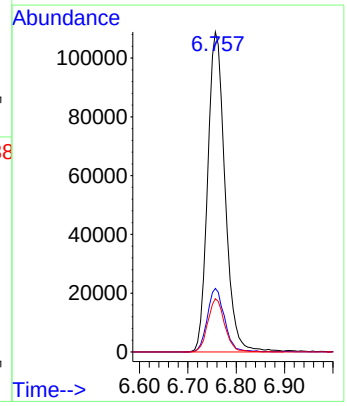


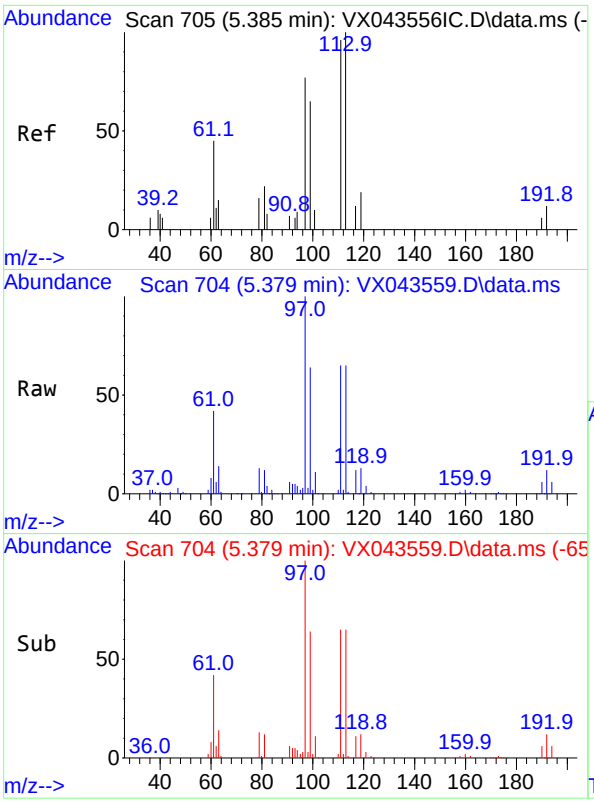


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:114 Resp: 270771

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.2
88	16.6	0.0	34.0



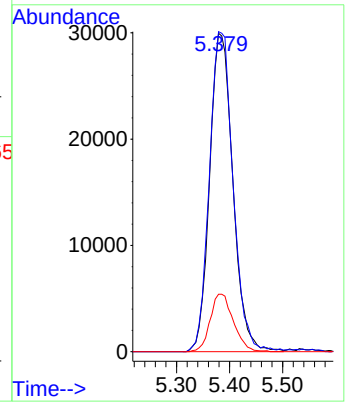


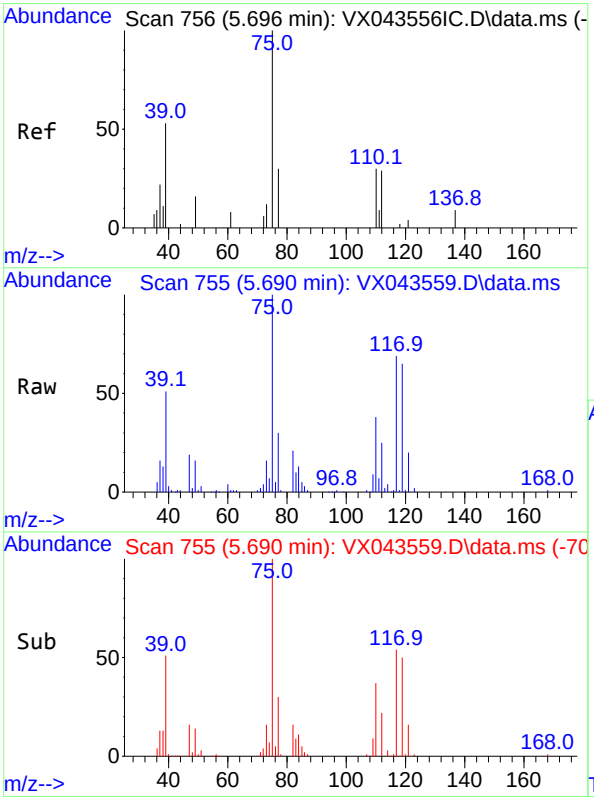
#35
Dibromofluoromethane
Concen: 50.516 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 91079

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	18.0	14.1	21.1

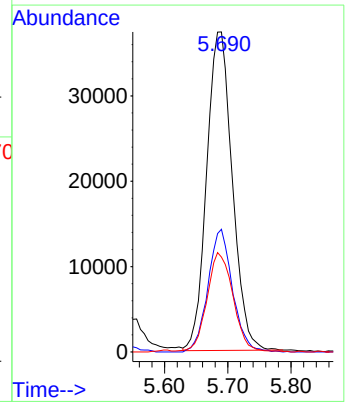


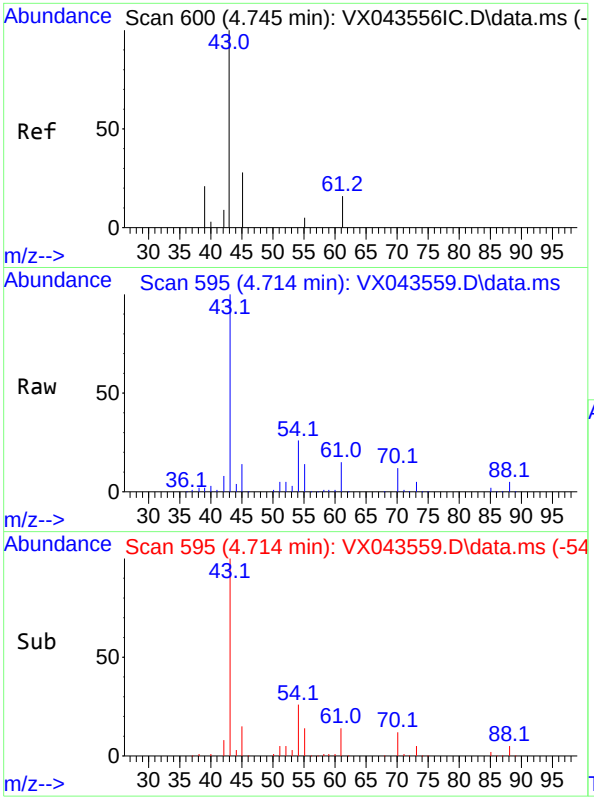


#36
1,1-Dichloropropene
Concen: 49.233 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 105059

Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.9	53.7
77	31.9	25.0	37.4



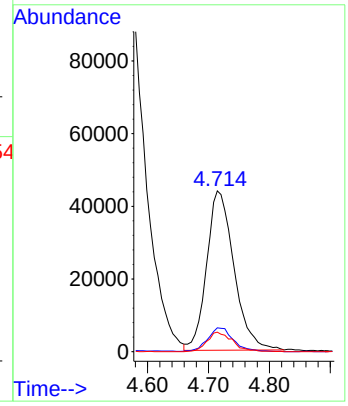


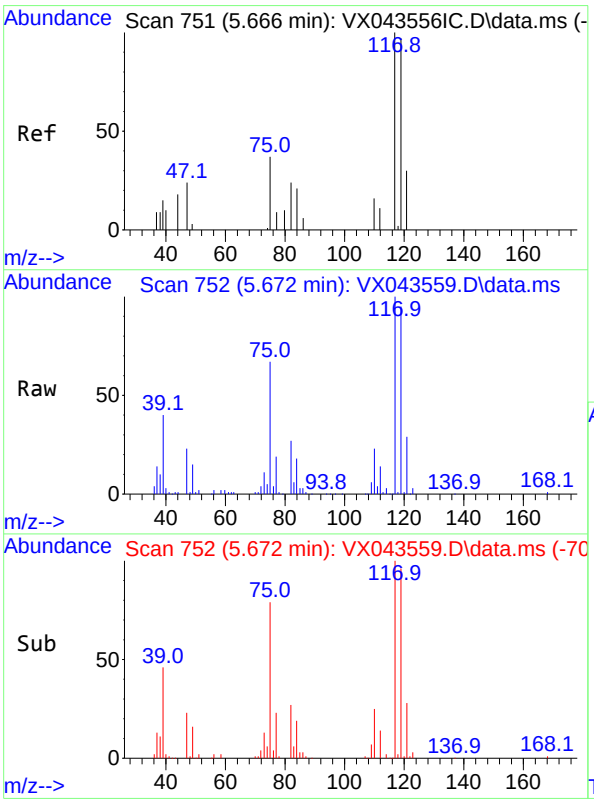
#37
Ethyl Acetate
Concen: 47.008 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 136901

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	11.5	8.9	13.3

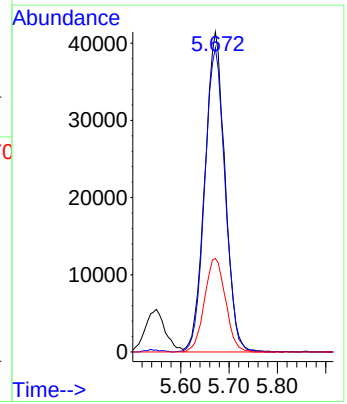


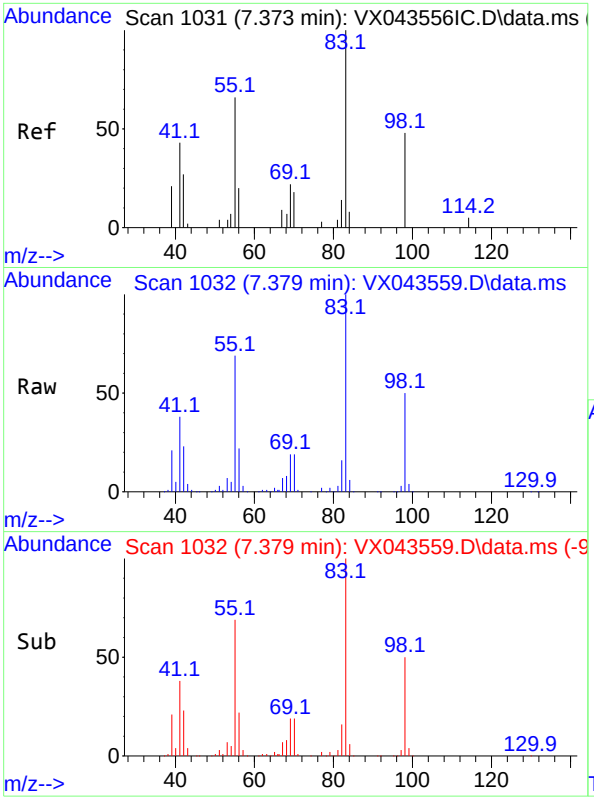


#38
Carbon Tetrachloride
Concen: 49.620 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:117 Resp: 120318

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
121	29.2	24.7	37.1



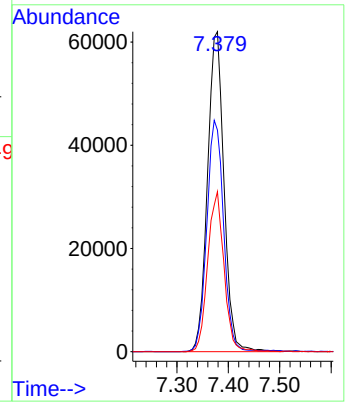


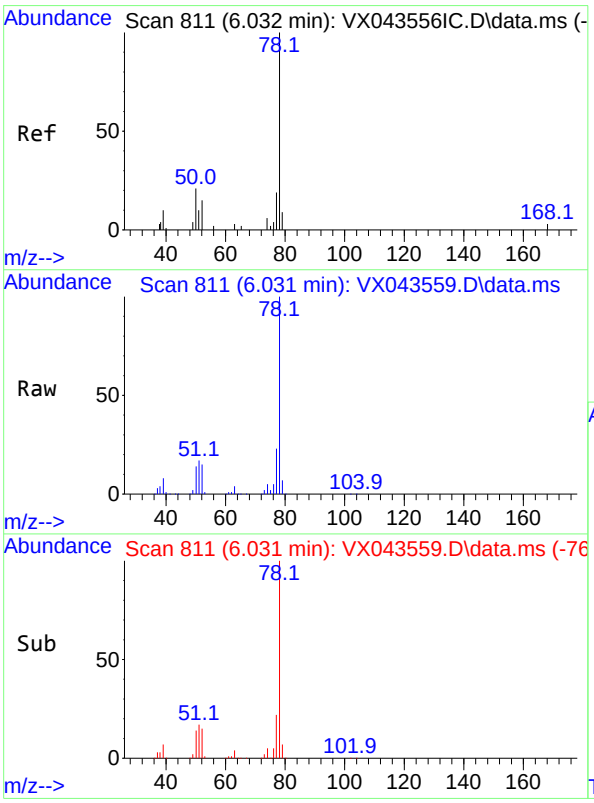
#39
Methylcyclohexane
Concen: 50.451 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 138062

Ion	Ratio	Lower	Upper
83	100		
55	69.2	59.9	89.9
98	50.0	41.3	61.9

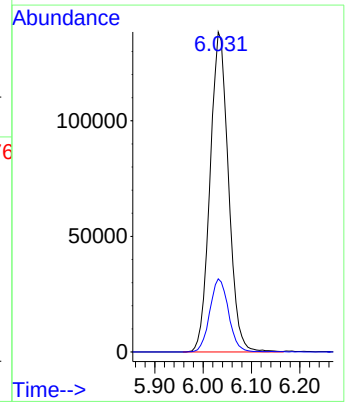


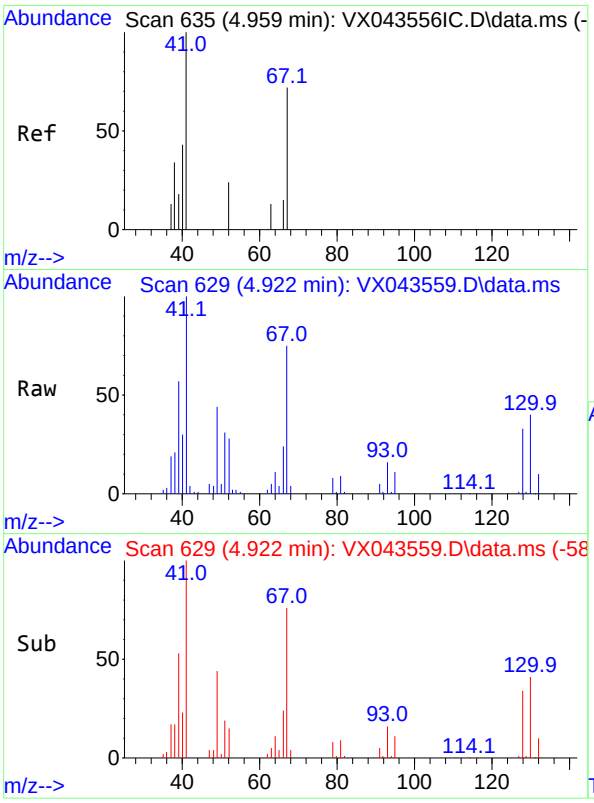


#40
Benzene
Concen: 51.436 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 78 Resp: 366906

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6



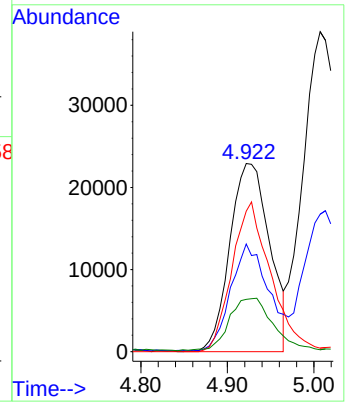


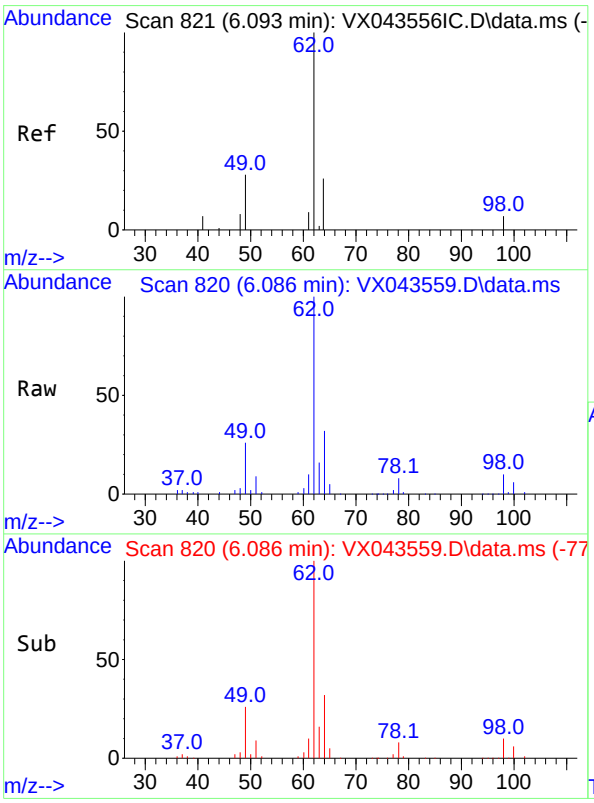
#41
Methacrylonitrile
Concen: 50.034 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 73294

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.5	65.3
67	78.4	58.3	87.5
52	30.7	24.6	37.0

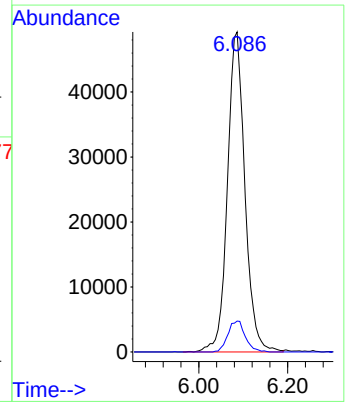


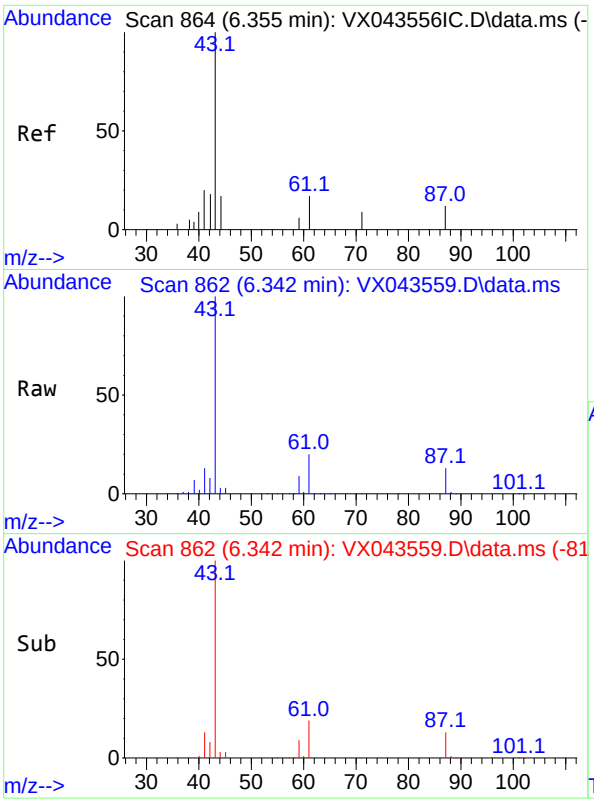


#42
1,2-Dichloroethane
Concen: 51.050 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 62 Resp: 133953

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8



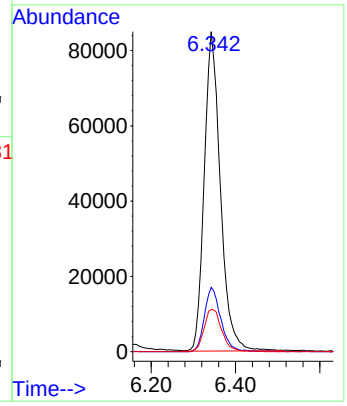


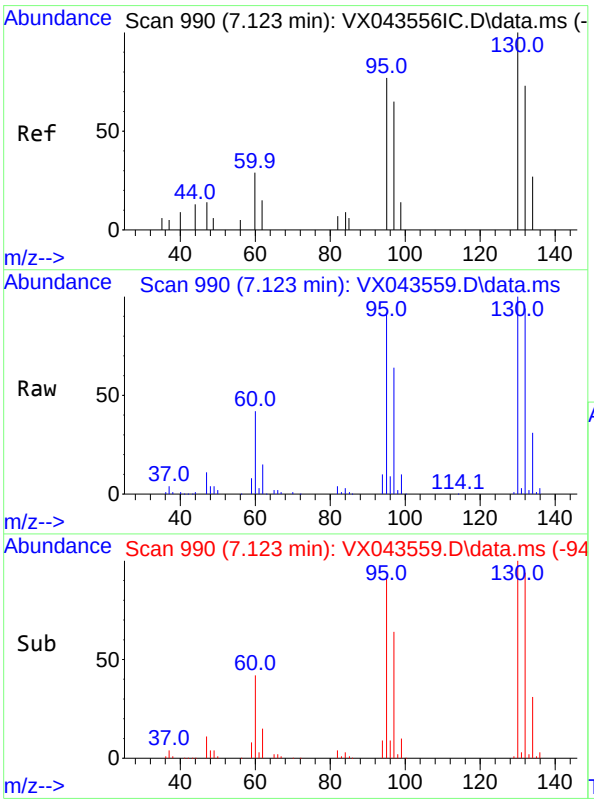
#43
Isopropyl Acetate
Concen: 49.127 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 226323

Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.2	24.4
87	14.5	11.0	16.6

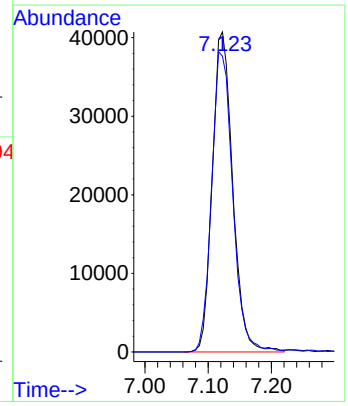


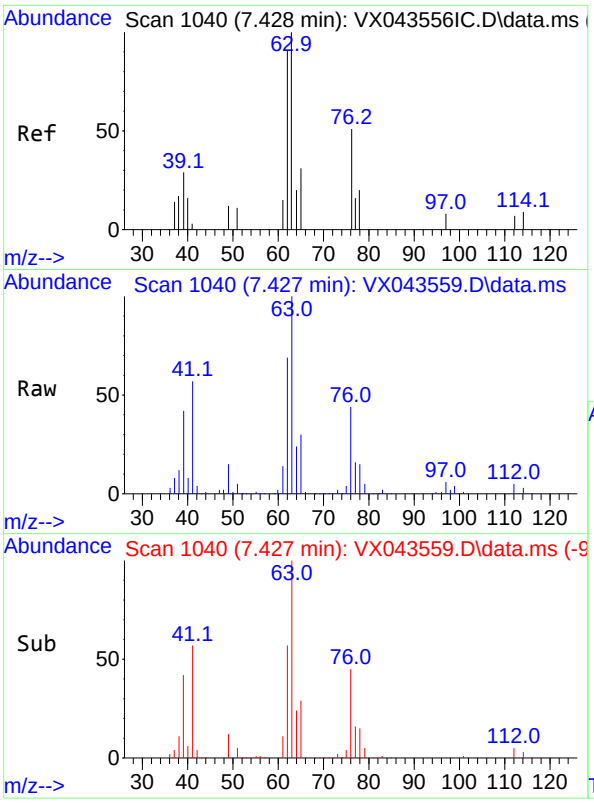


#44
Trichloroethene
Concen: 54.057 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:130 Resp: 91422

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	202.6



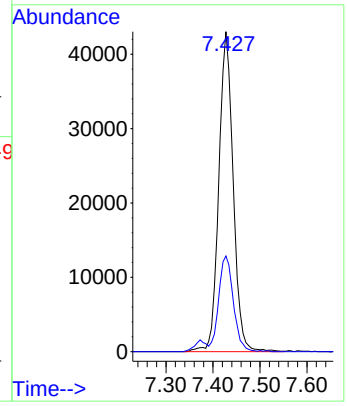


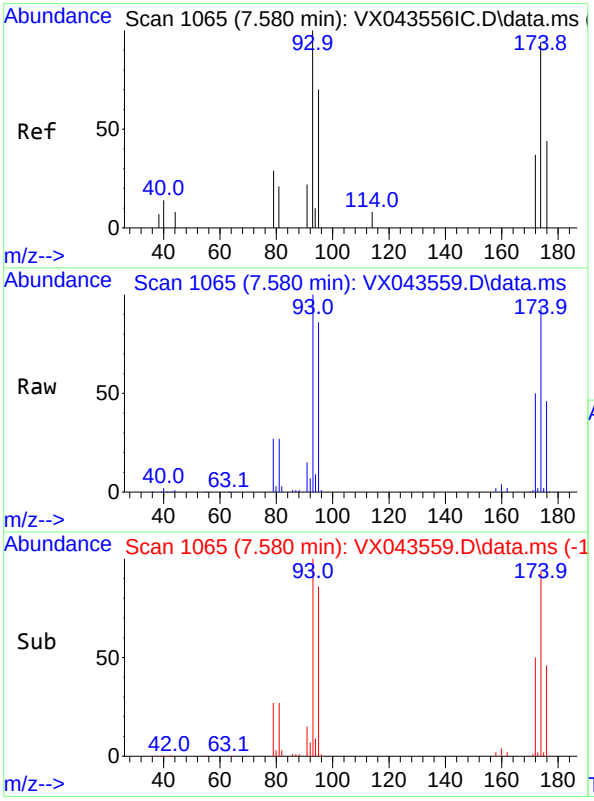
#45
1,2-Dichloropropane
Concen: 52.464 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 91389

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.5	36.7

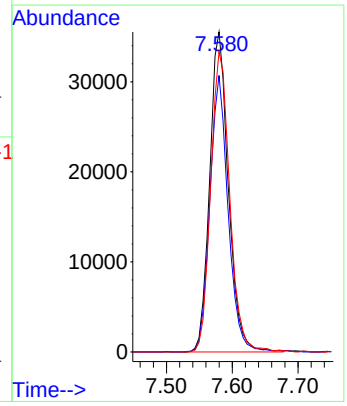


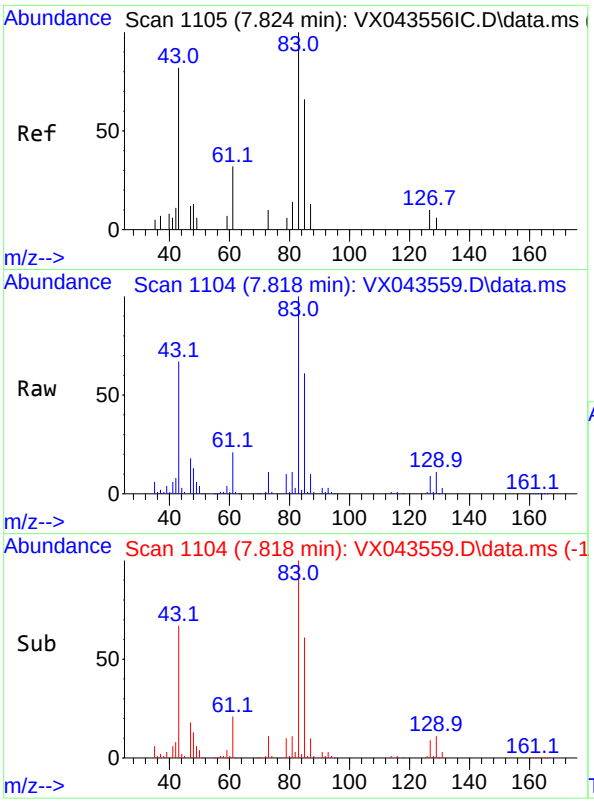


#46
Dibromomethane
Concen: 52.600 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 93 Resp: 70386

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	95.7	75.0	112.4



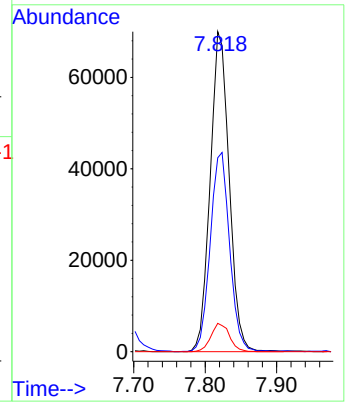


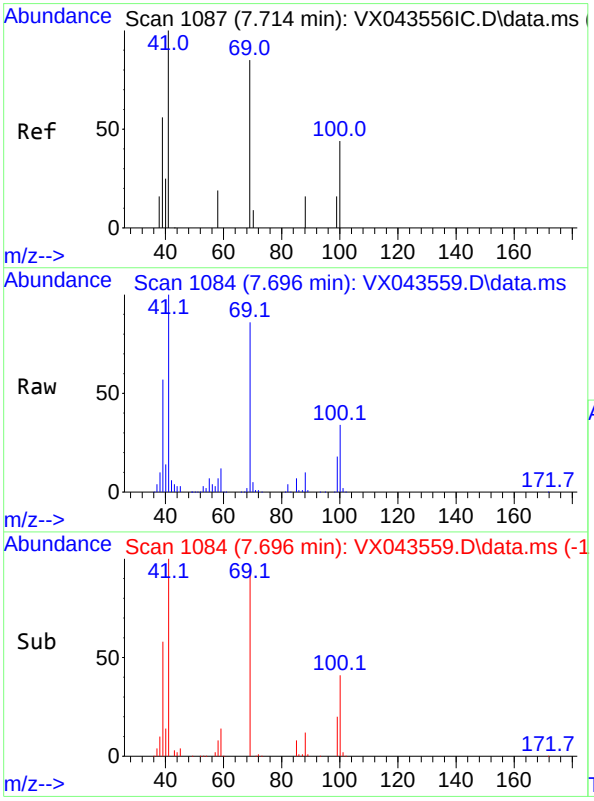
#47
Bromodichloromethane
Concen: 54.350 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 129022

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.2	78.4
127	8.8	7.1	10.7

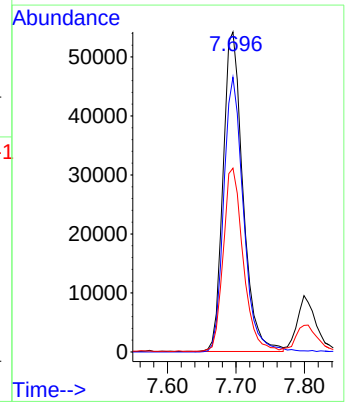


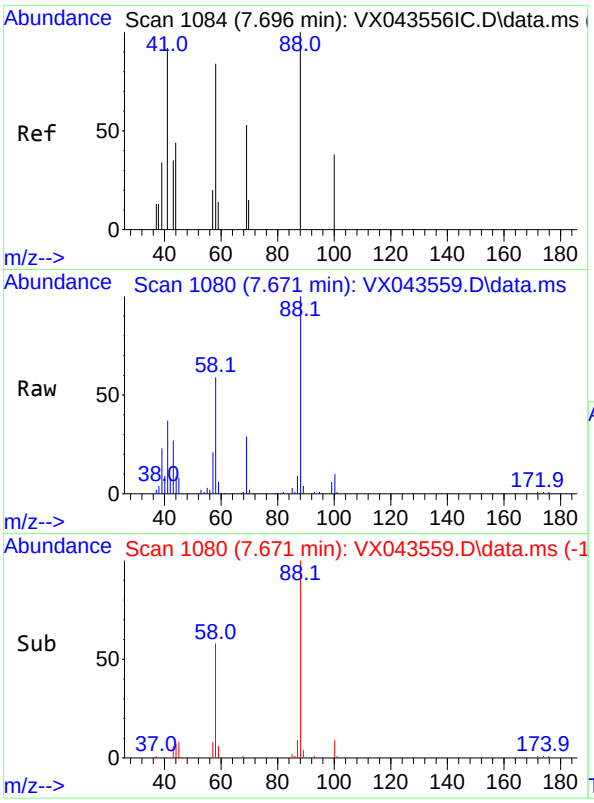


#48
Methyl methacrylate
Concen: 50.670 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 41 Resp: 108981

Ion	Ratio	Lower	Upper
41	100		
69	85.9	67.7	101.5
39	57.2	46.3	69.5



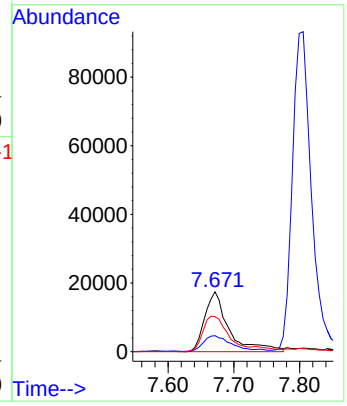


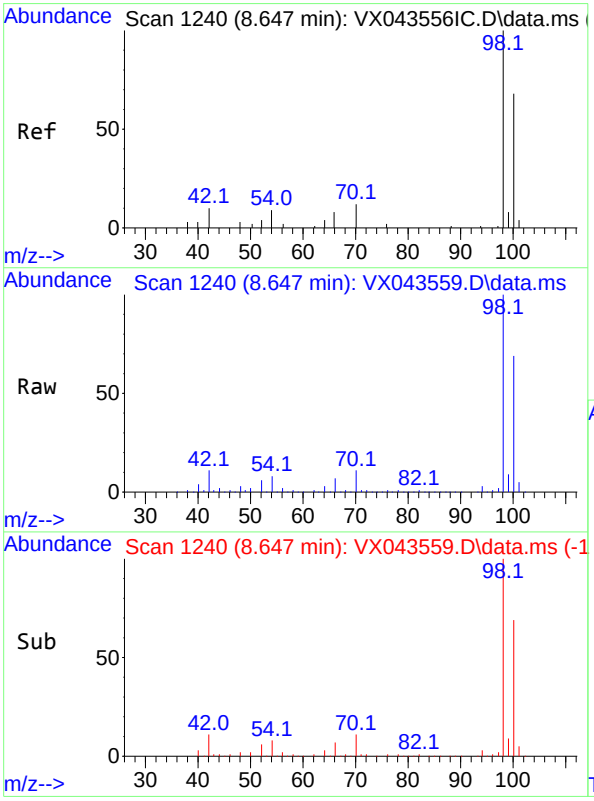
#49
1,4-Dioxane
Concen: 805.596 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 44516

Ion	Ratio	Lower	Upper
88	100		
43	29.4	25.3	37.9
58	61.5	53.9	80.9

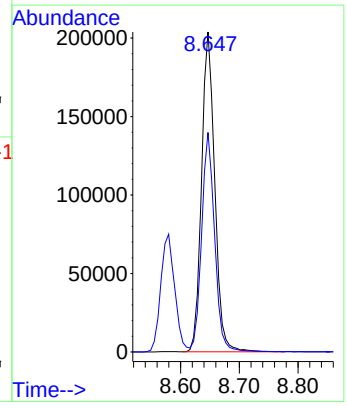


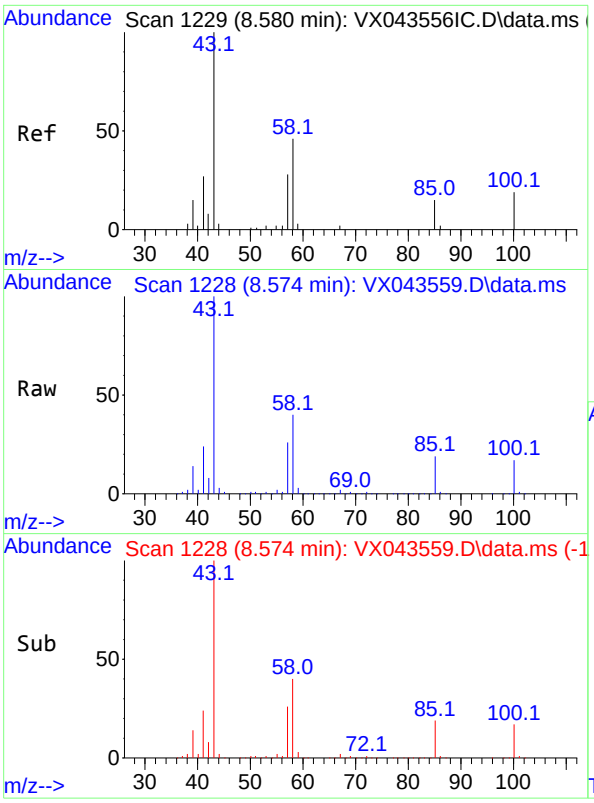


#50
Toluene-d8
Concen: 50.907 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 98 Resp: 318252

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2



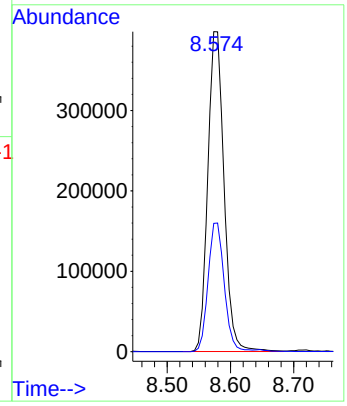


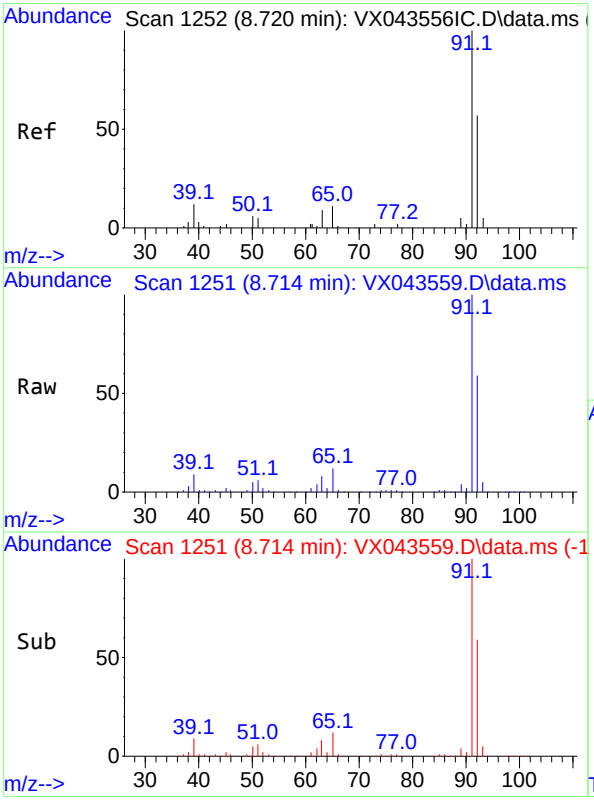
#51
4-Methyl-2-Pentanone
Concen: 243.501 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 710786

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.7	47.5

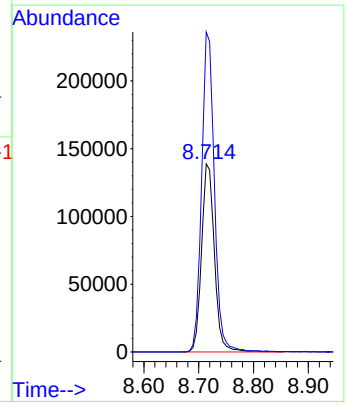


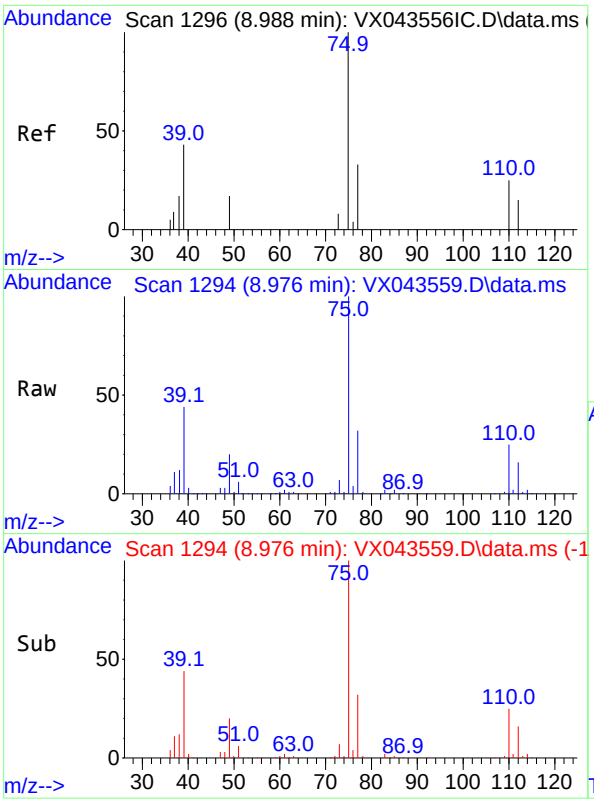


#52
Toluene
Concen: 51.617 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 92 Resp: 227004

Ion	Ratio	Lower	Upper
92	100		
91	168.8	135.7	203.5



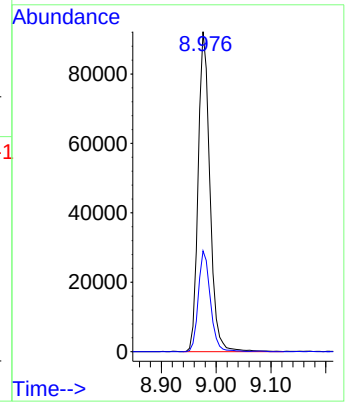


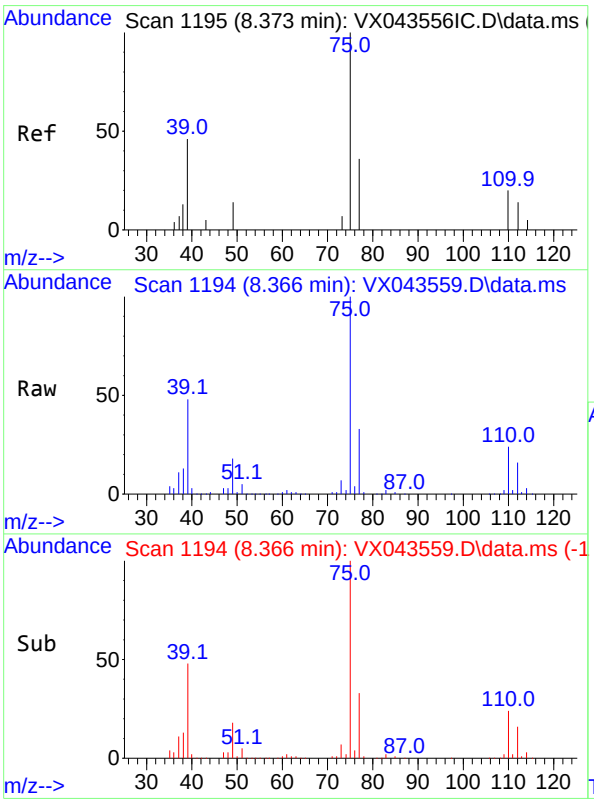
#53
t-1,3-Dichloropropene
Concen: 57.422 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 137951

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0

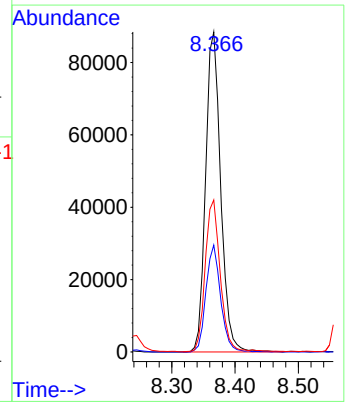


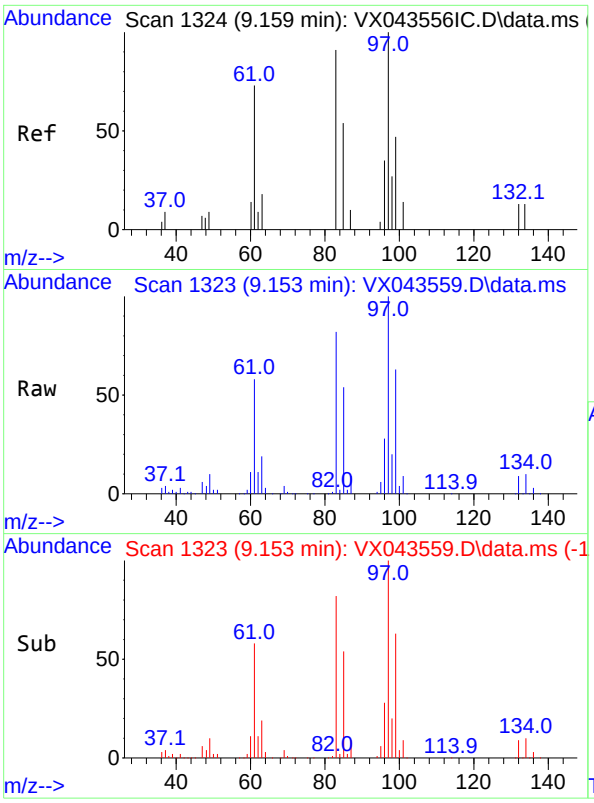


#54
cis-1,3-Dichloropropene
Concen: 55.739 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 147056

Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.8	37.2
39	47.5	37.7	56.5



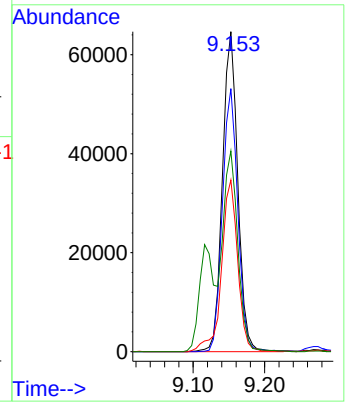


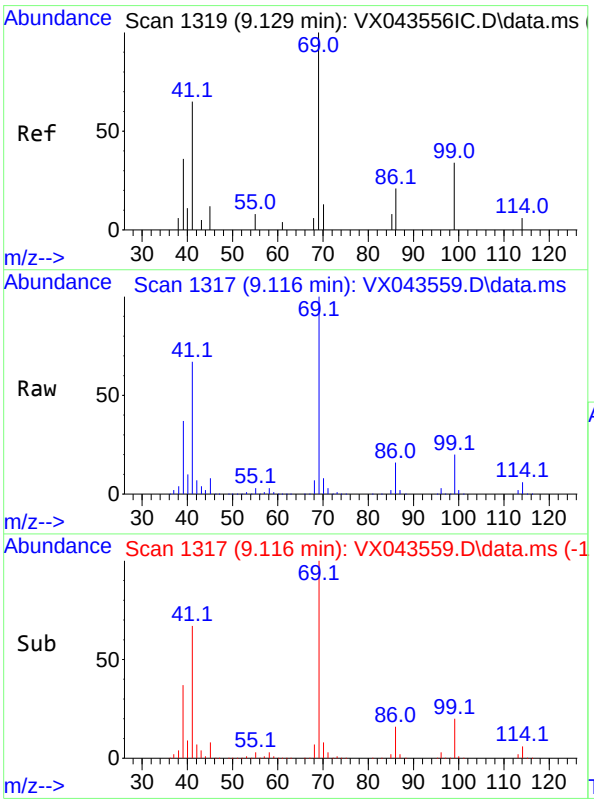
#55
1,1,2-Trichloroethane
Concen: 51.848 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 96225

Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.3	100.9
85	53.7	43.6	65.4
99	62.7	50.6	75.8

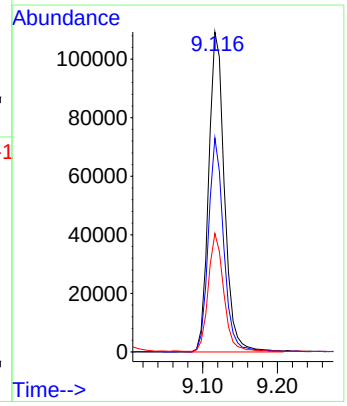


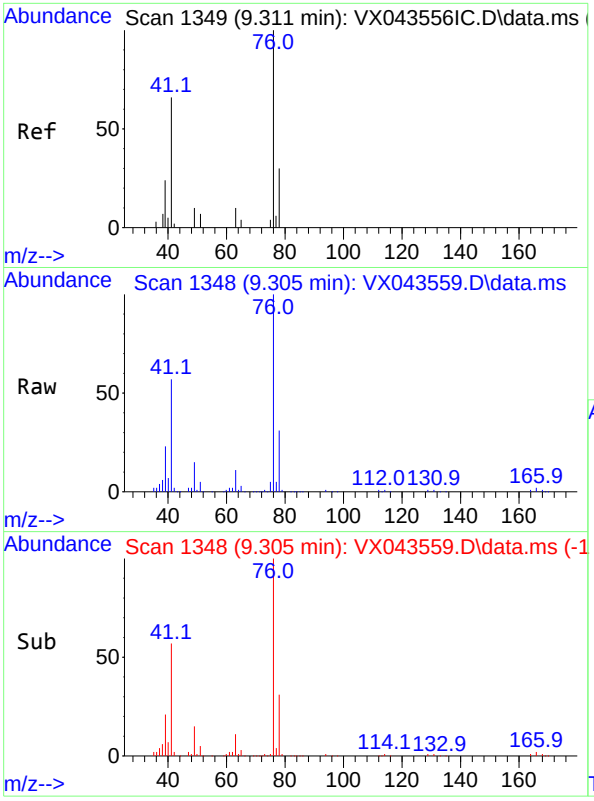


#56
Ethyl methacrylate
Concen: 53.285 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 69 Resp: 159817

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.8	80.8
39	36.1	29.9	44.9



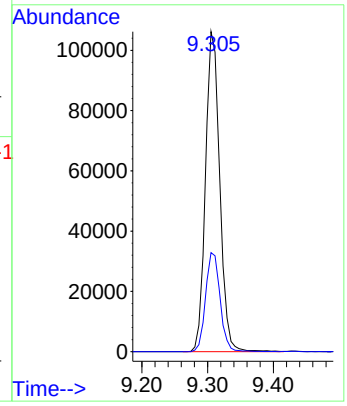


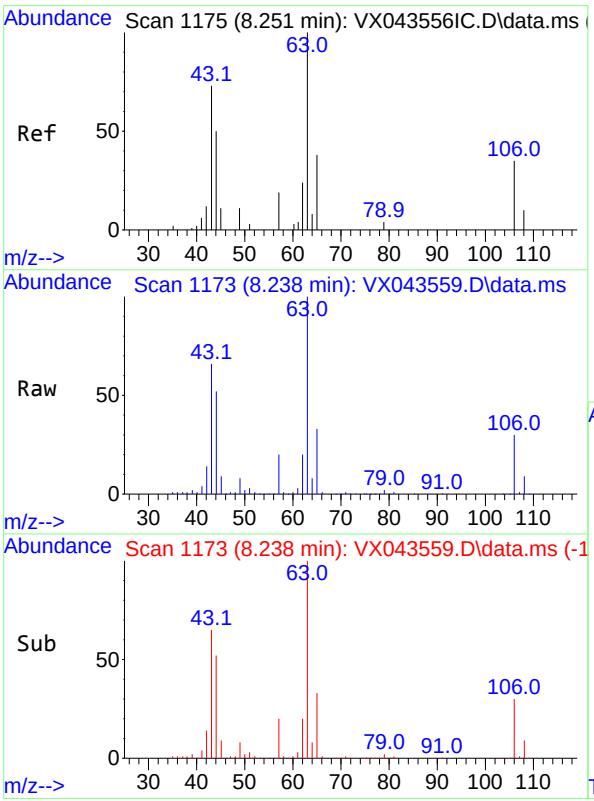
#57
1,3-Dichloropropane
Concen: 52.178 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 159890

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9

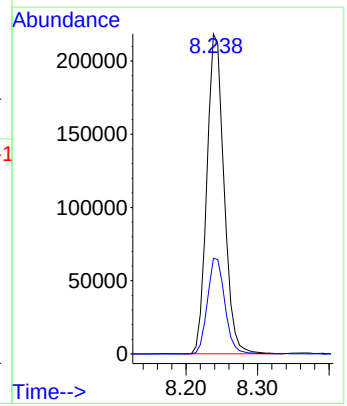


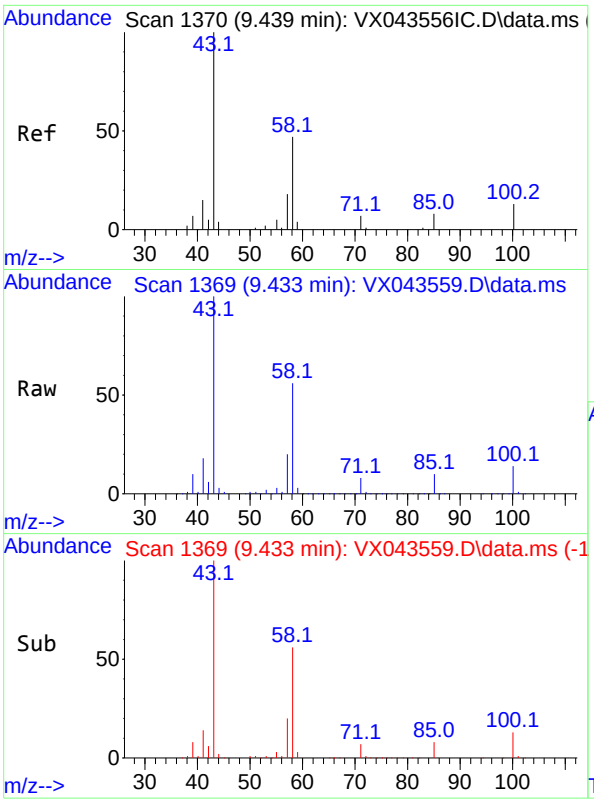


#58
2-Chloroethyl Vinyl ether
Concen: 245.903 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 63 Resp: 362792

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4



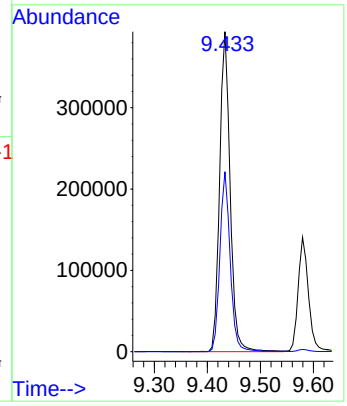


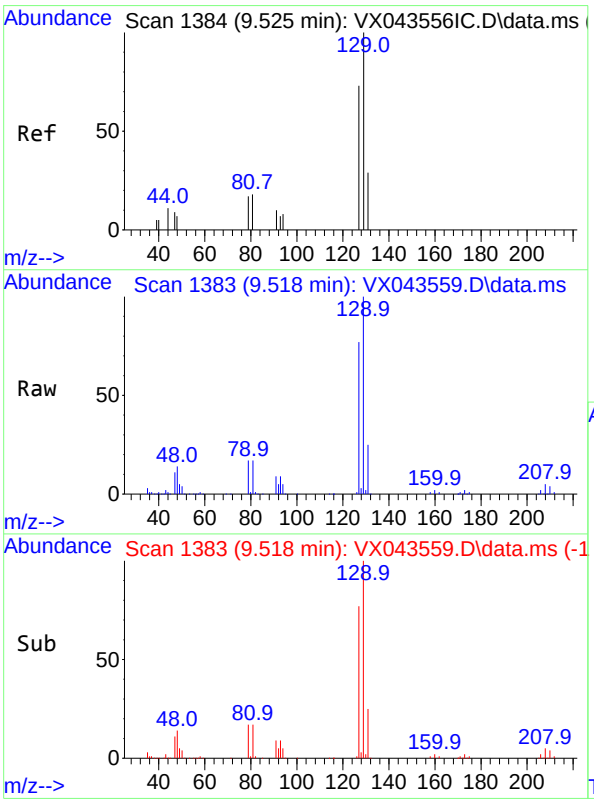
#59
2-Hexanone
Concen: 245.453 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 541763

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.5	82.5

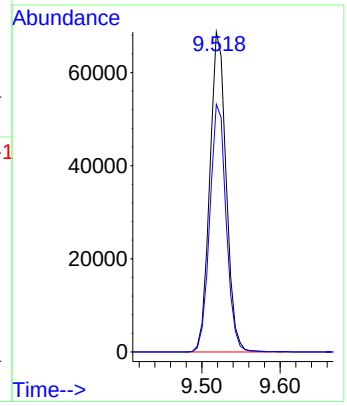


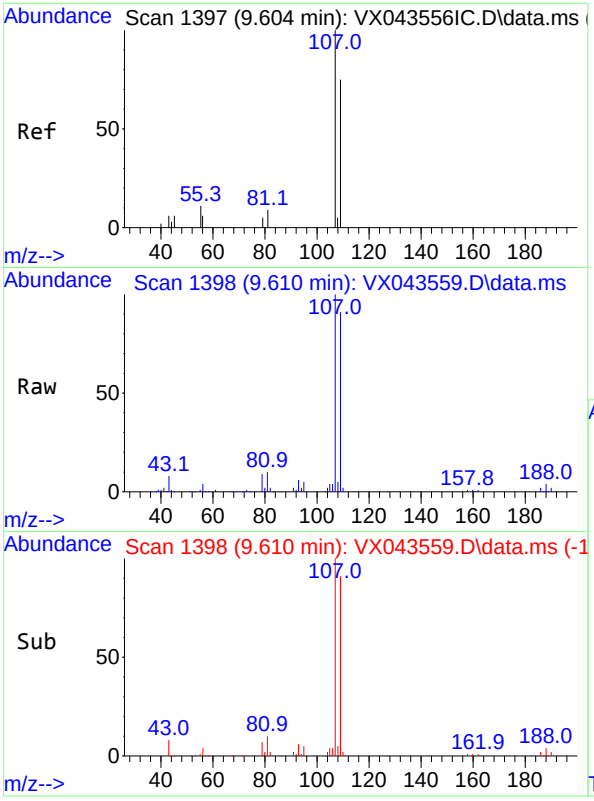


#60
Dibromochloromethane
Concen: 57.260 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:129 Resp: 99435

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.1



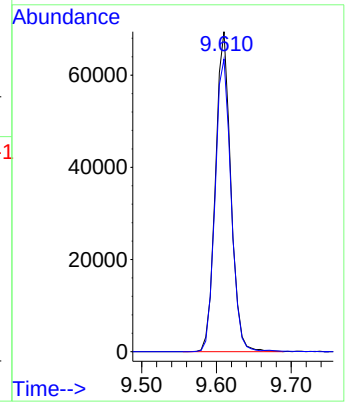


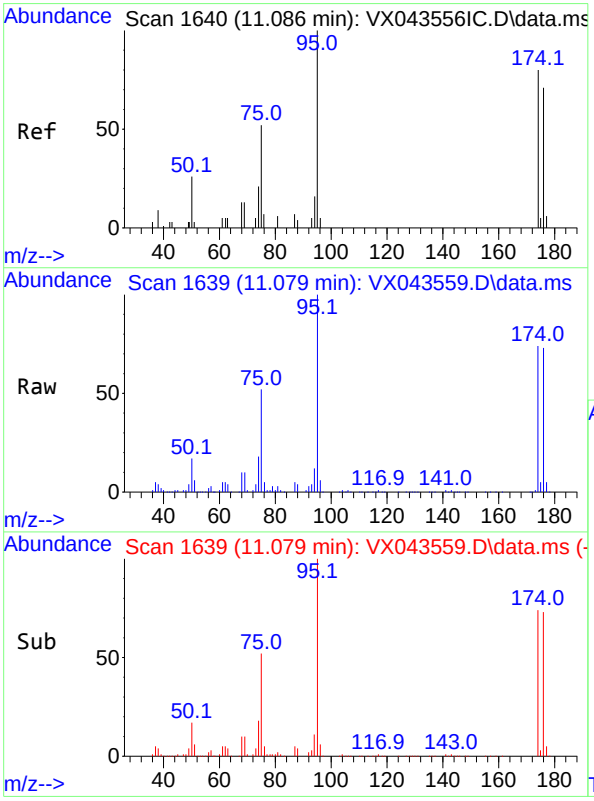
#61
1,2-Dibromoethane
Concen: 53.133 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 99405

Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.1	115.7

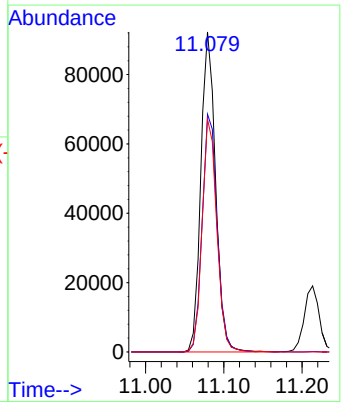


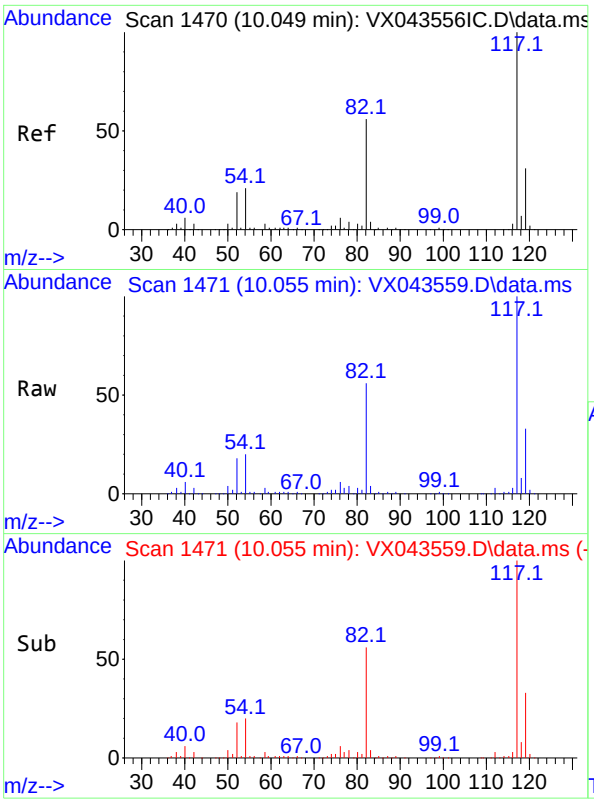


#62
4-Bromofluorobenzene
Concen: 52.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 95 Resp: 120225

Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	146.6
176	72.7	0.0	139.6



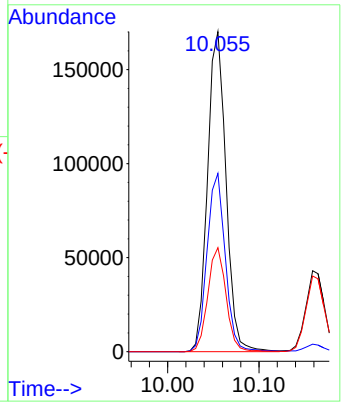


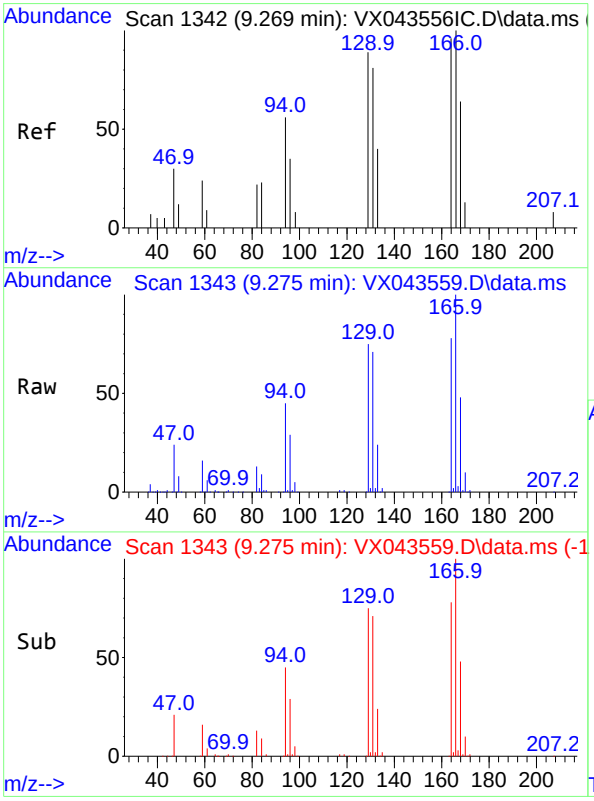
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 238342

Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.1	63.1
119	32.5	25.4	38.2

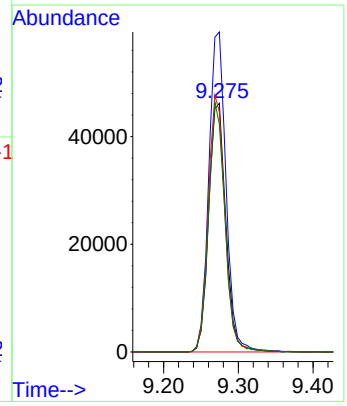


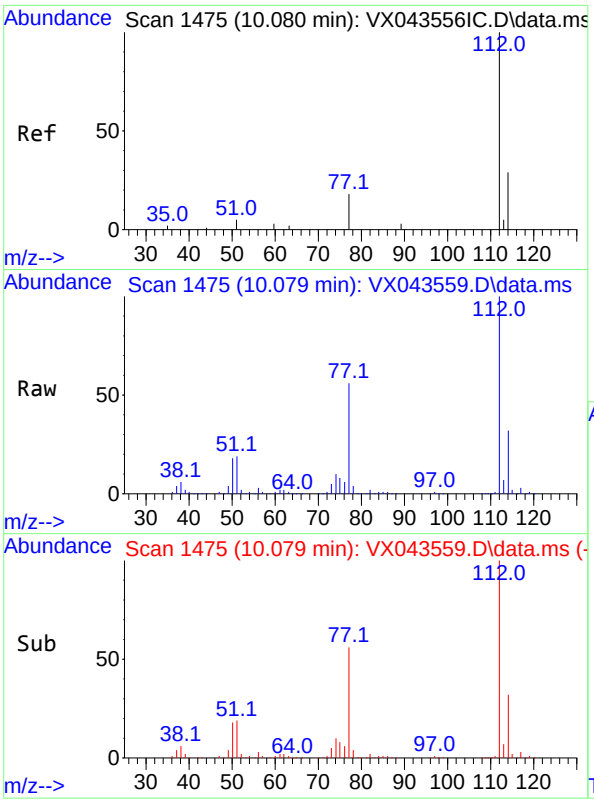


#64
Tetrachloroethene
Concen: 49.296 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:164 Resp: 73551

Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.8	155.6
129	96.5	83.8	125.6
131	91.5	80.6	121.0



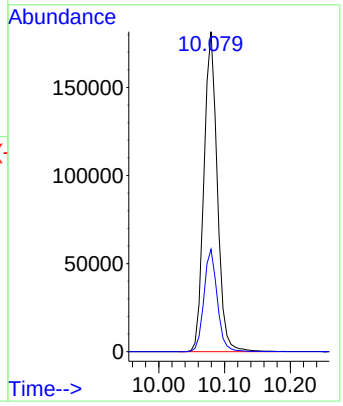


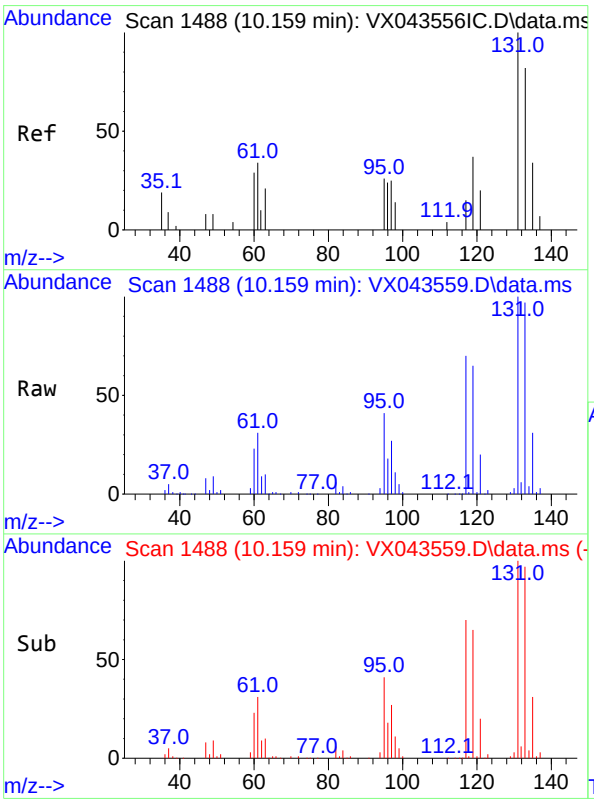
#65
Chlorobenzene
Concen: 51.676 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 256218

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

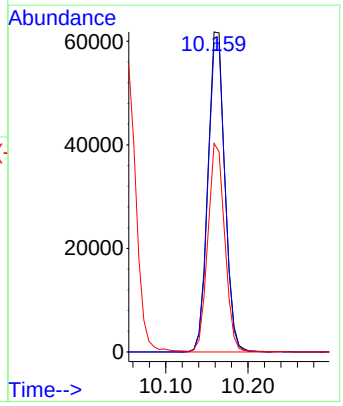


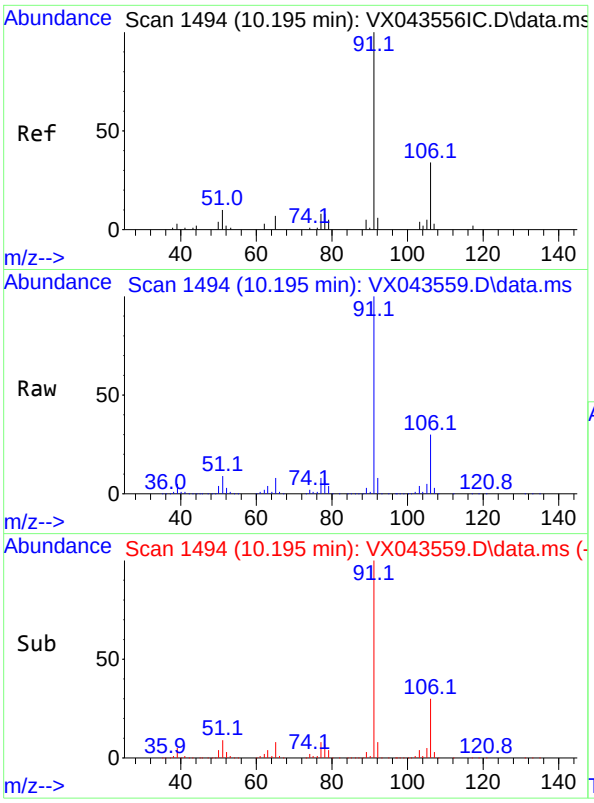


#66
1,1,1,2-Tetrachloroethane
Concen: 52.993 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:131 Resp: 88746

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.0	144.0
119	64.7	32.3	96.9



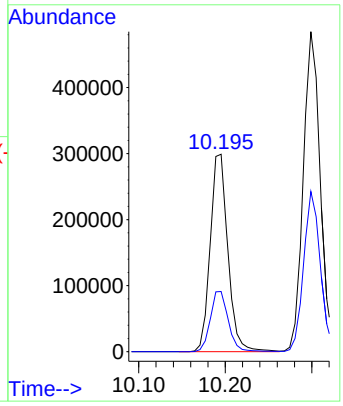


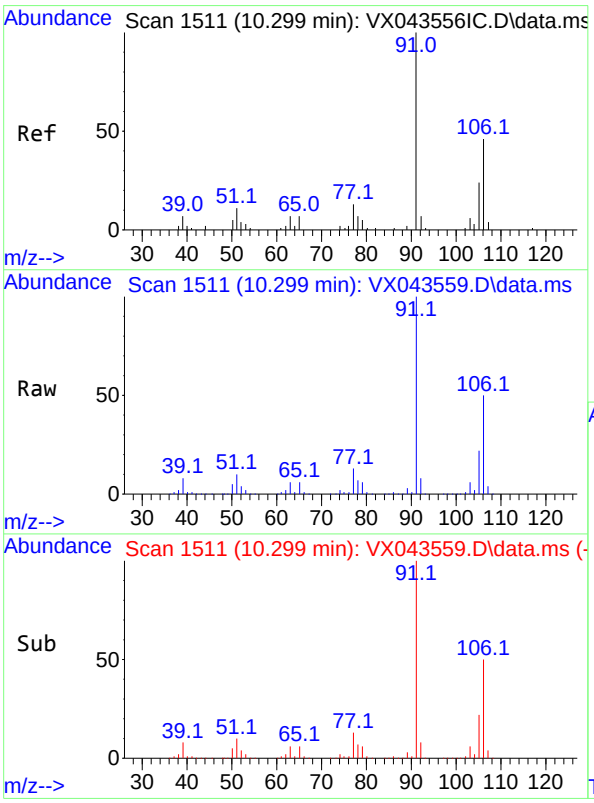
#67
Ethyl Benzene
Concen: 51.347 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 423515

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.2

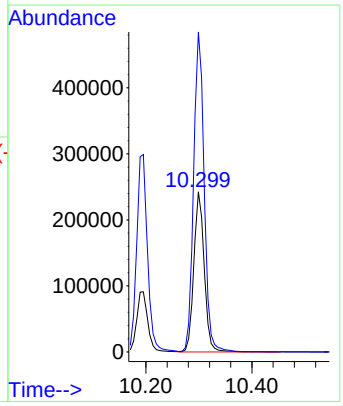


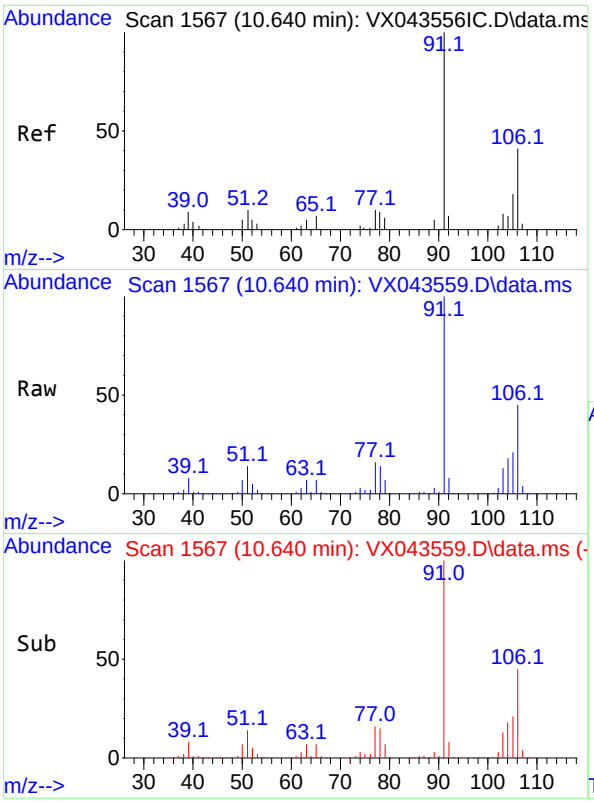


#68
m/p-Xylenes
Concen: 105.366 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:106 Resp: 329261

Ion	Ratio	Lower	Upper
106	100		
91	202.6	164.7	247.1



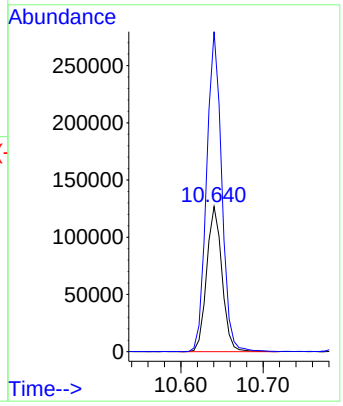


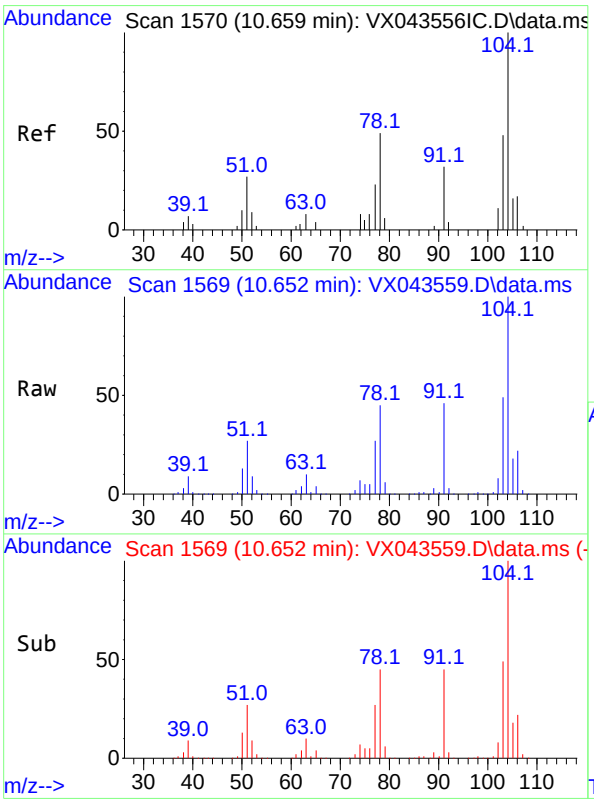
#69
o-Xylene
Concen: 51.137 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 164266

Ion	Ratio	Lower	Upper
106	100		
91	217.1	107.9	323.7

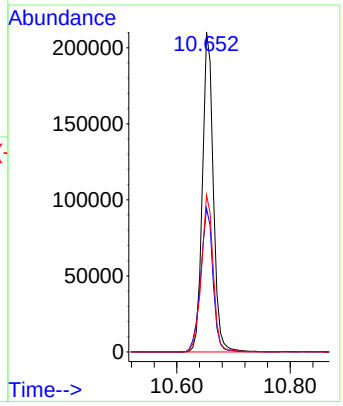


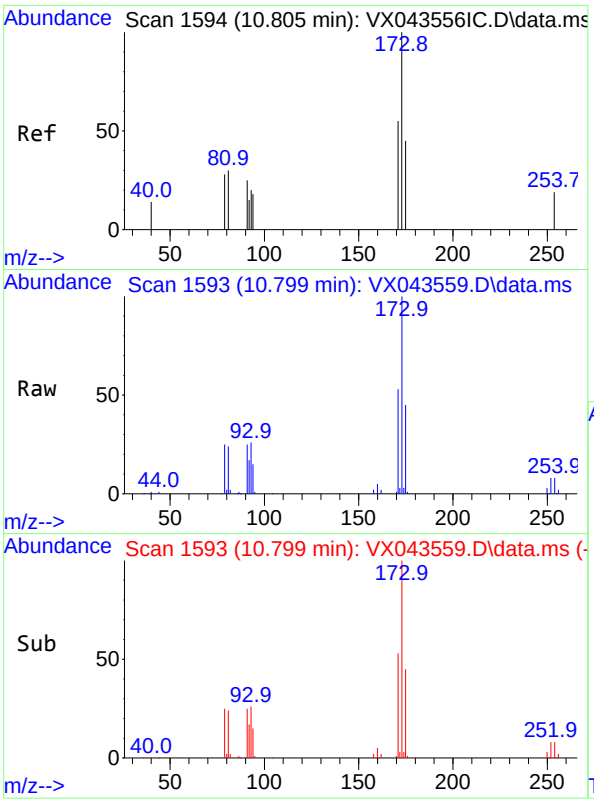


#70
Styrene
Concen: 54.218 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:104 Resp: 281883

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.0	60.0
103	53.5	43.4	65.0



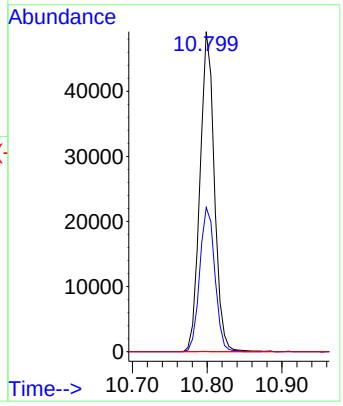


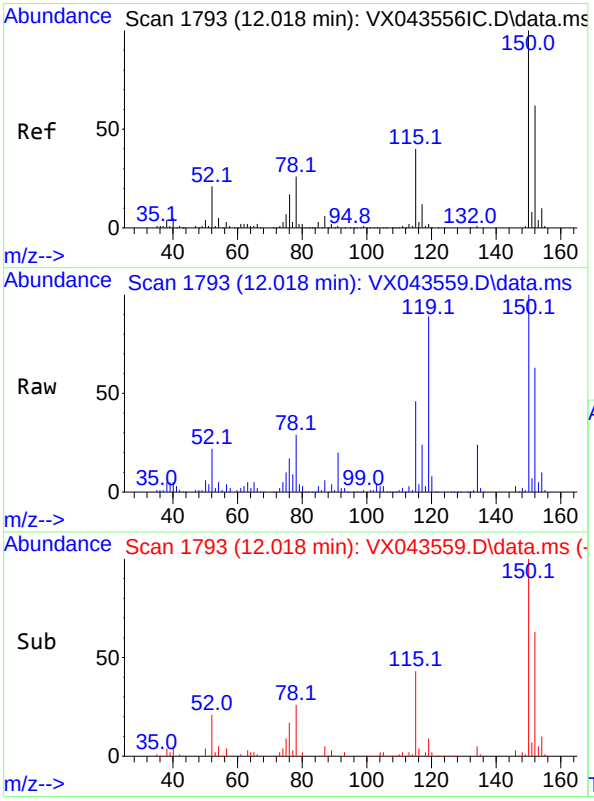
#71
Bromoform
Concen: 58.090 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 65582

Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.3	69.9
254	0.1	0.0	0.0#

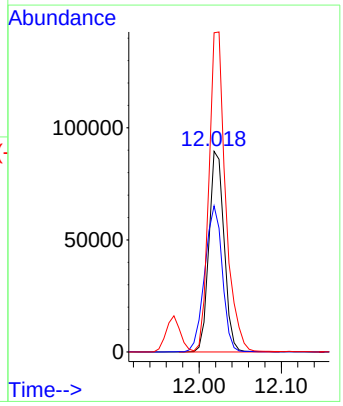


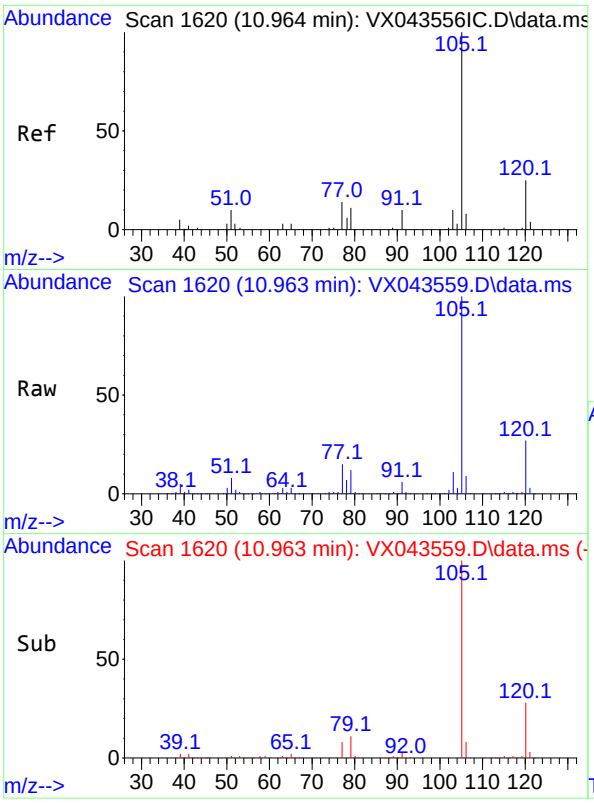


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:152 Resp: 114709

Ion	Ratio	Lower	Upper
152	100		
115	84.6	42.9	128.7
150	175.7	0.0	343.6



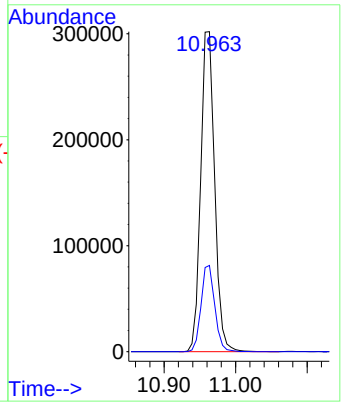


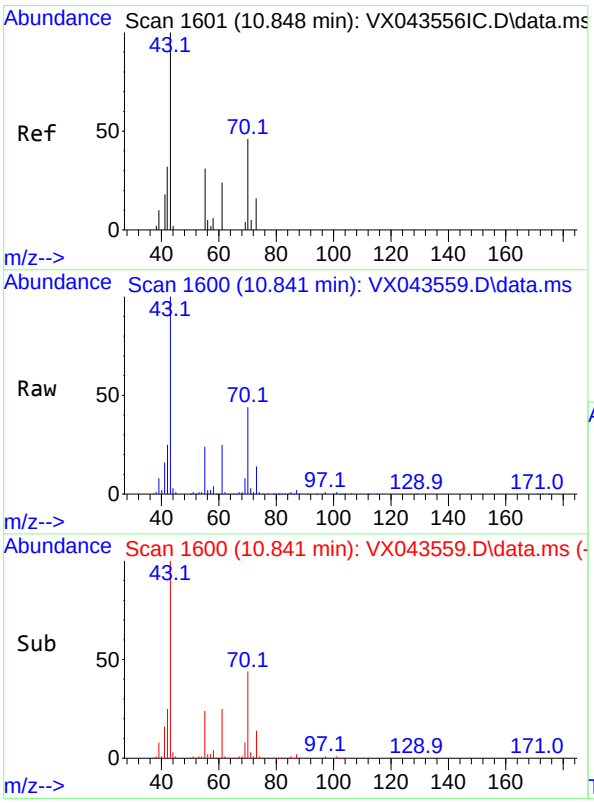
#73
Isopropylbenzene
Concen: 49.811 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 408411

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

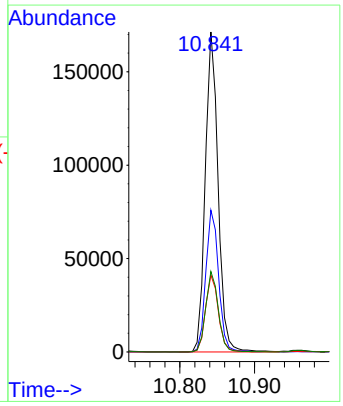


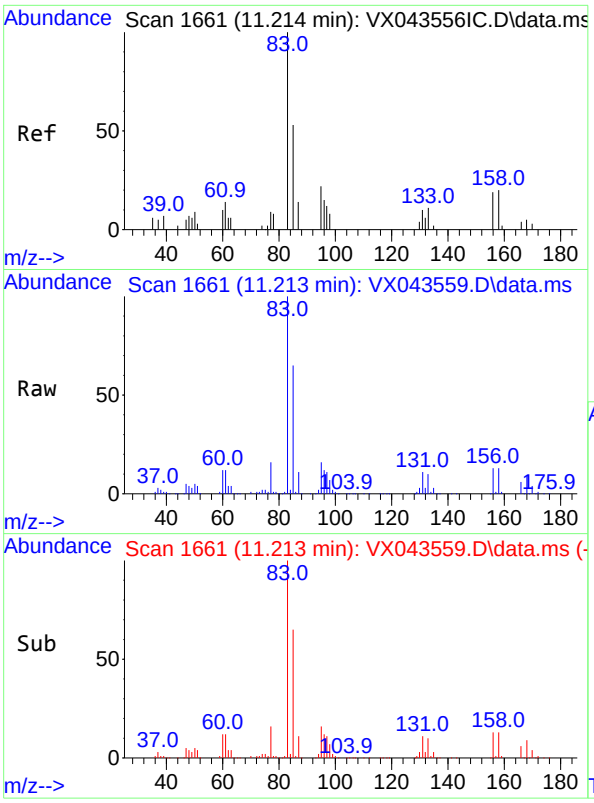


#74
N-amyl acetate
Concen: 49.234 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 43 Resp: 203333

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	52.0
55	24.2	19.6	29.4
61	24.9	20.2	30.2



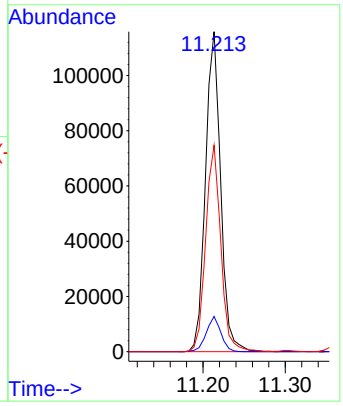


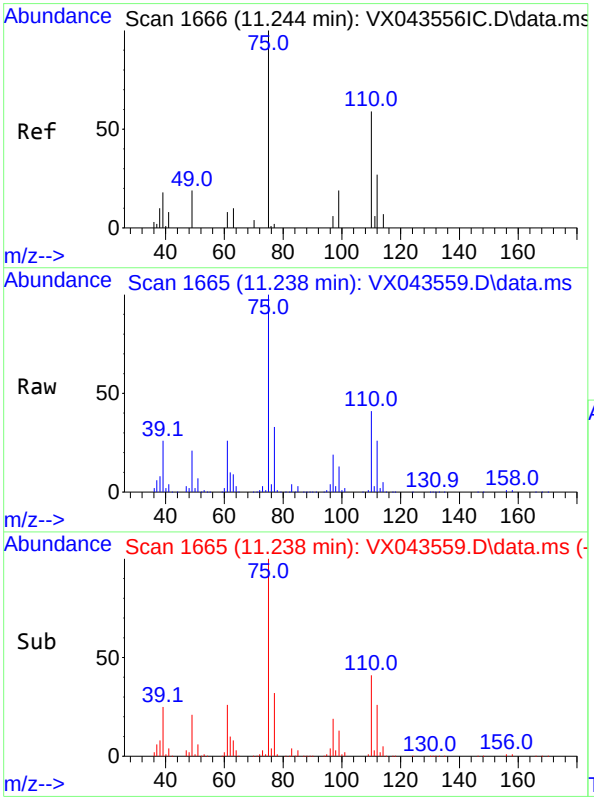
#75
1,1,2,2-Tetrachloroethane
Concen: 47.168 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 148153

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.5	32.4	97.0

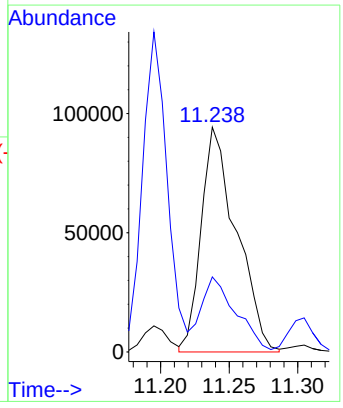


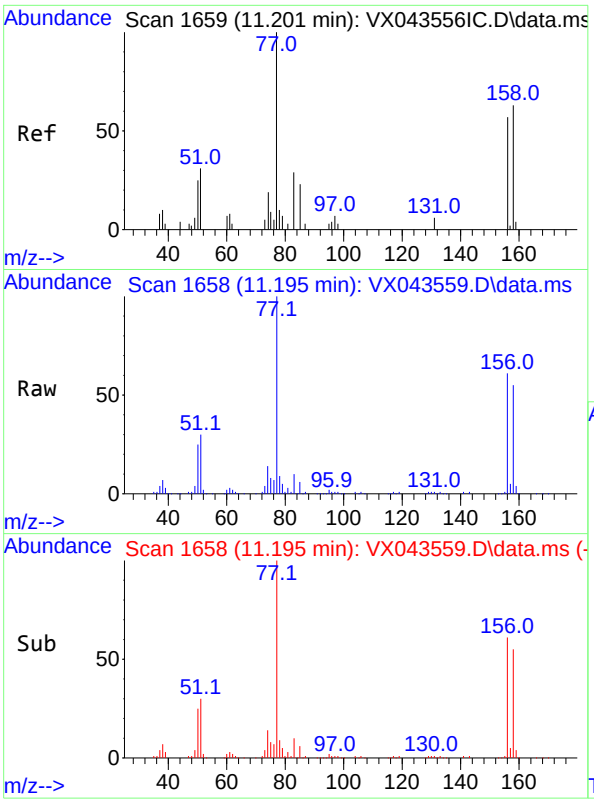


#76
1,2,3-Trichloropropane
Concen: 63.288 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 168767

Ion	Ratio	Lower	Upper
75	100		
77	33.0	22.4	67.2



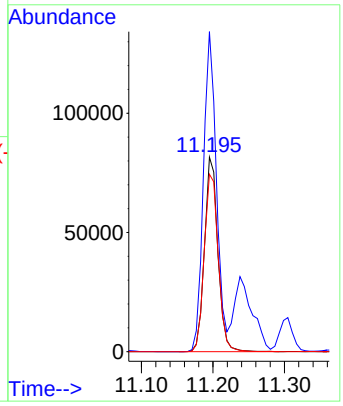


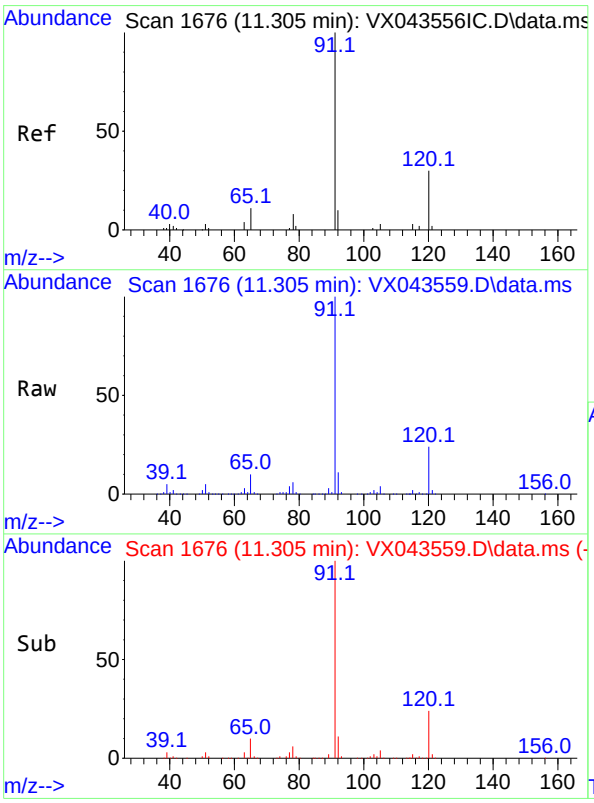
#77
Bromobenzene
Concen: 50.684 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 106088

Ion	Ratio	Lower	Upper
156	100		
77	159.5	79.7	239.1
158	96.0	48.0	144.0

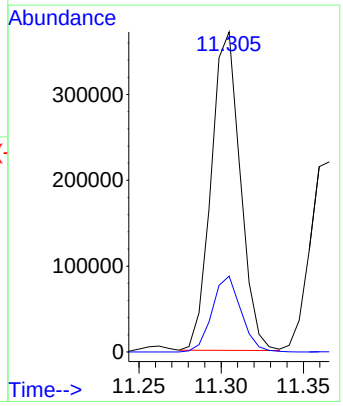


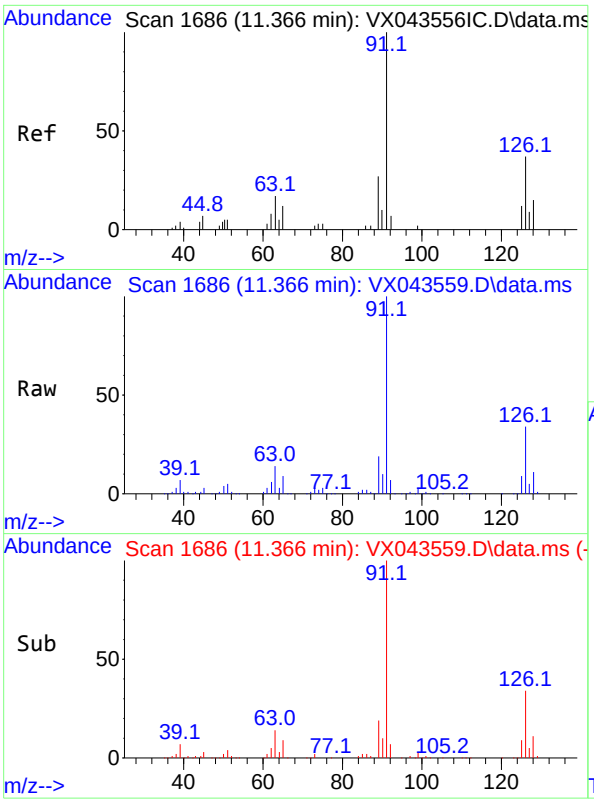


#78
n-propylbenzene
Concen: 52.320 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 457180

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.7



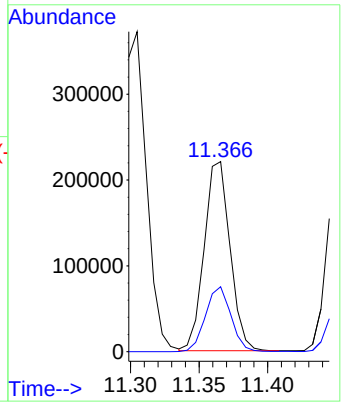


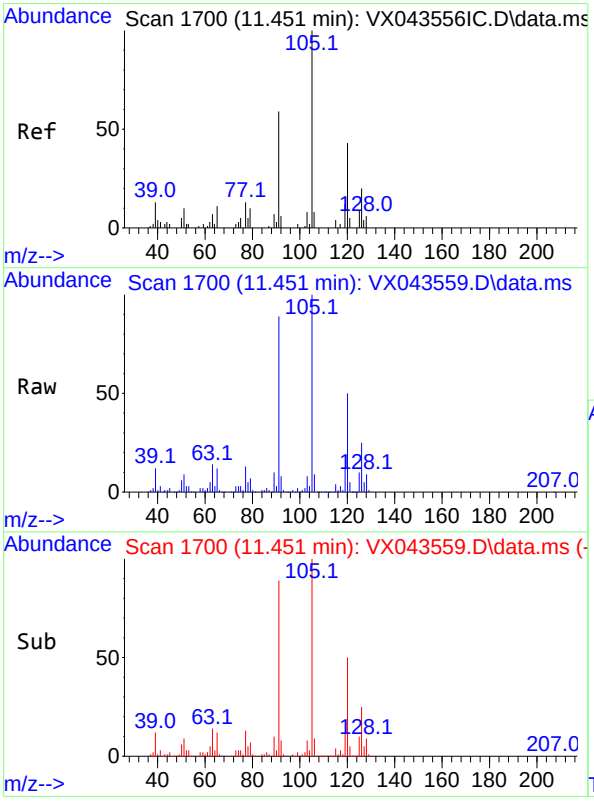
#79
2-Chlorotoluene
Concen: 49.242 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 288711

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0

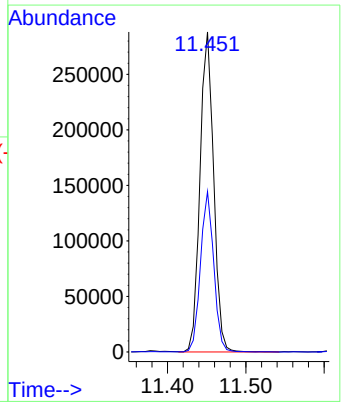


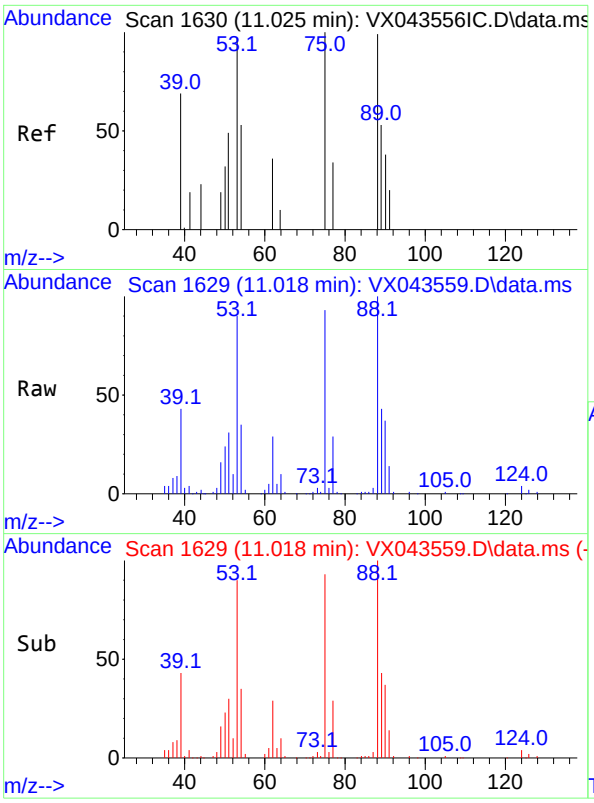


#80
1,3,5-Trimethylbenzene
Concen: 51.192 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 348498

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5



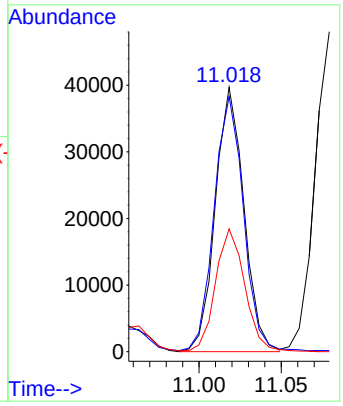


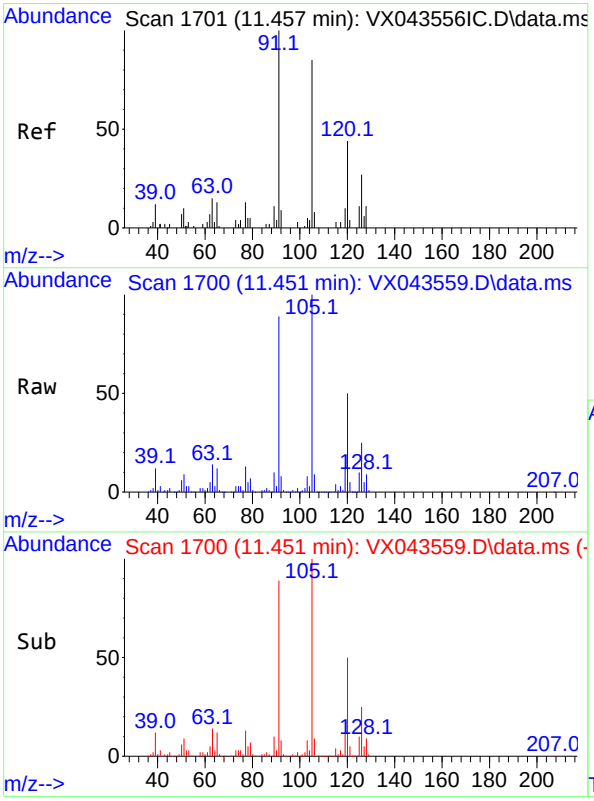
#81
trans-1,4-Dichloro-2-butene
Concen: 54.897 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 47974

Ion	Ratio	Lower	Upper
75	100		
53	98.3	84.6	126.8
89	47.7	38.6	58.0

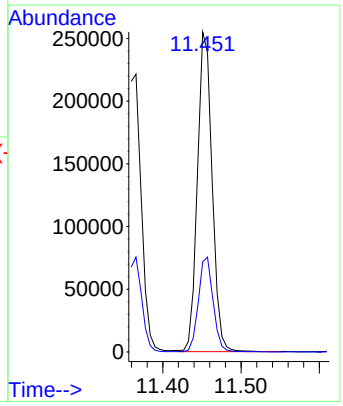


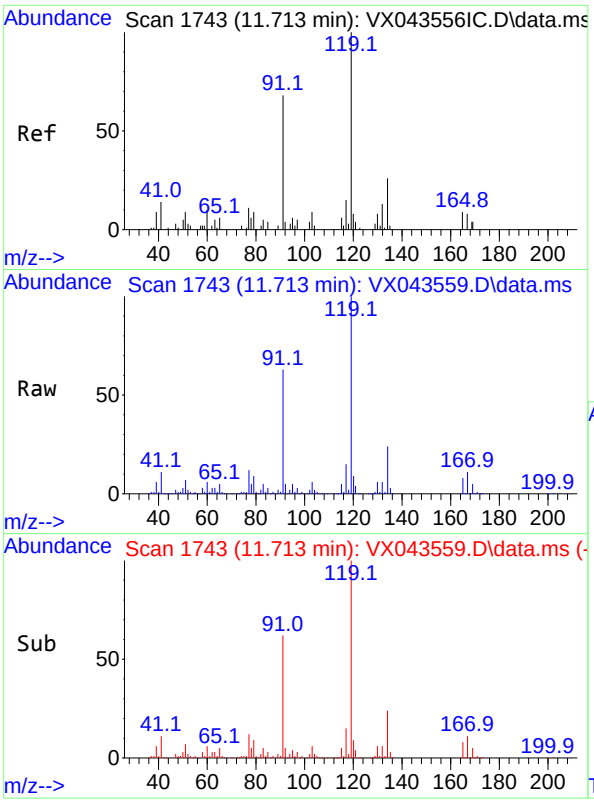


#82
4-Chlorotoluene
Concen: 51.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 91 Resp: 331765

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.2	42.8



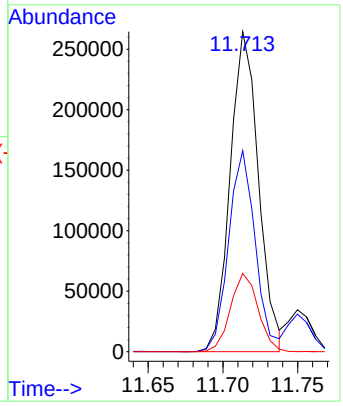


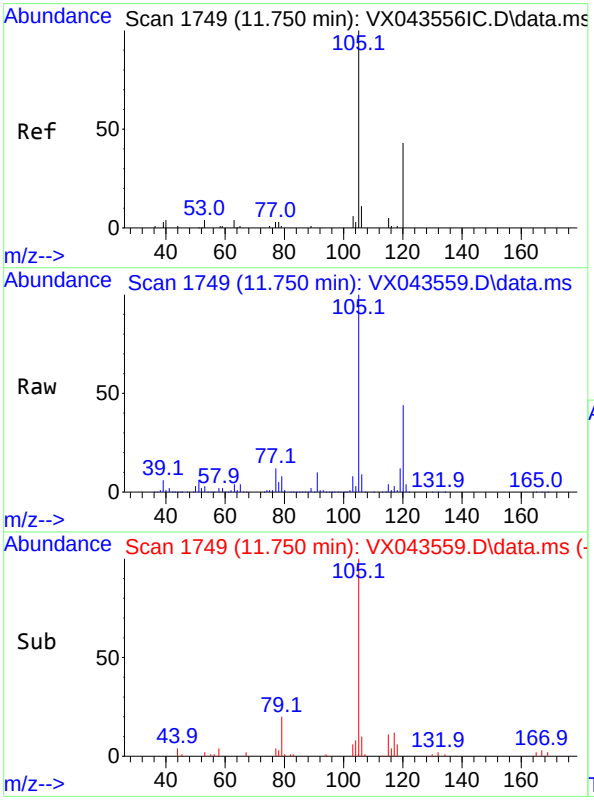
#83
tert-Butylbenzene
Concen: 50.250 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 348856

Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.5	88.5
134	23.8	11.8	35.3

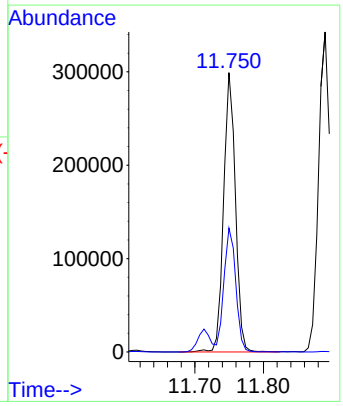


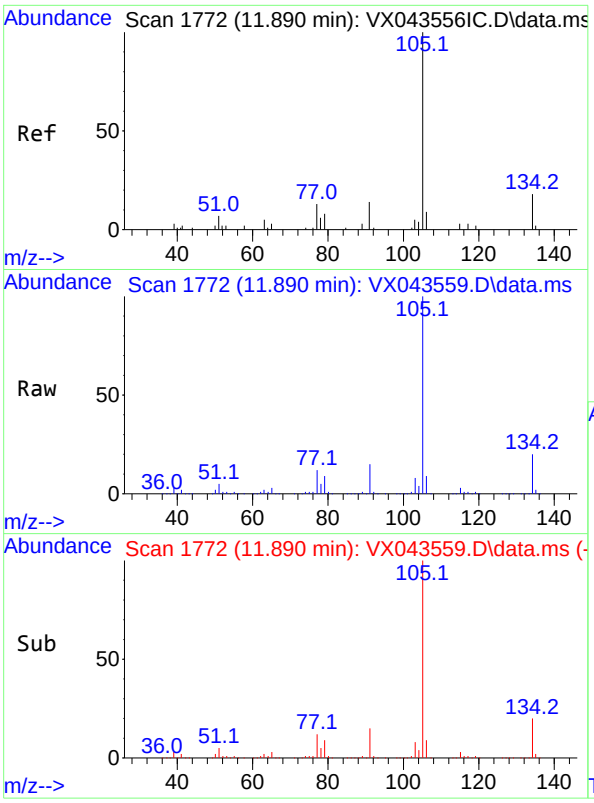


#84
1,2,4-Trimethylbenzene
Concen: 51.061 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:105 Resp: 355522

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



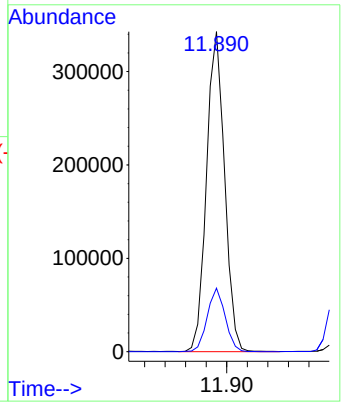


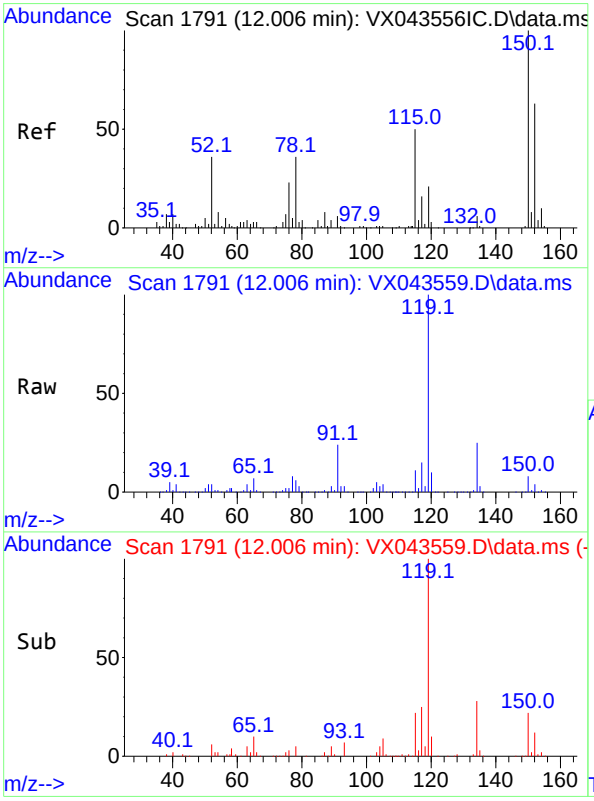
#85
sec-Butylbenzene
Concen: 51.960 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 417787

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

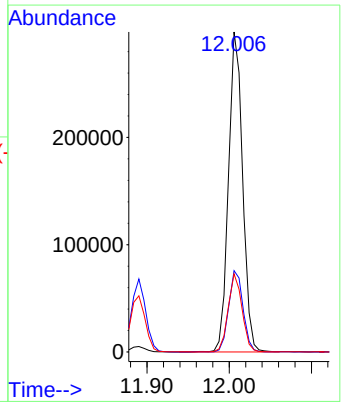


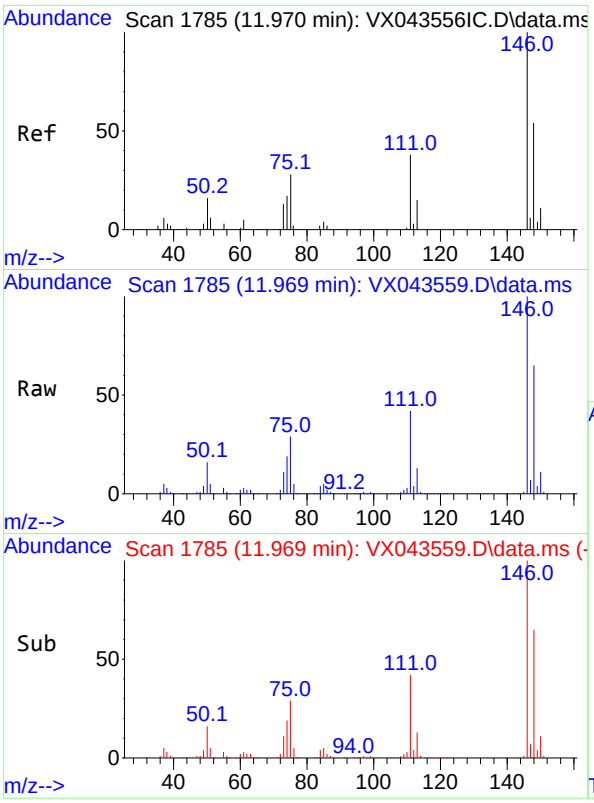


#86
p-Isopropyltoluene
Concen: 53.750 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:119 Resp: 358049

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	24.0	12.4	37.0



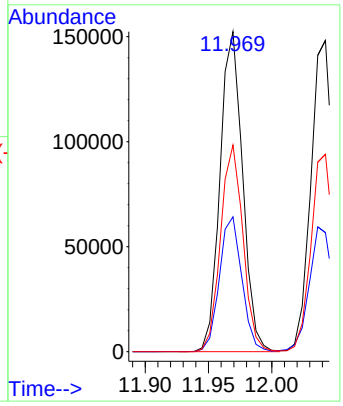


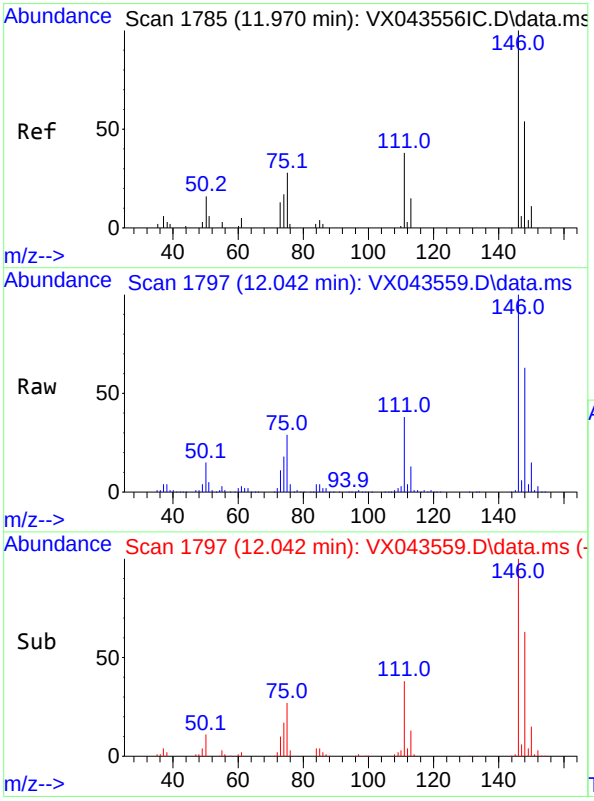
#87
1,3-Dichlorobenzene
Concen: 50.274 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 188818

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	64.3	31.6	94.8

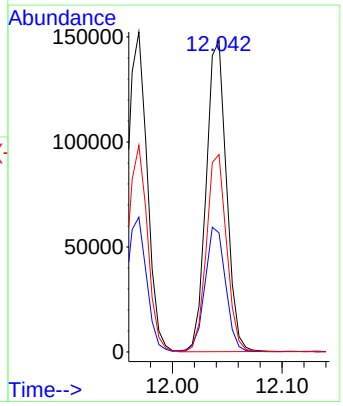


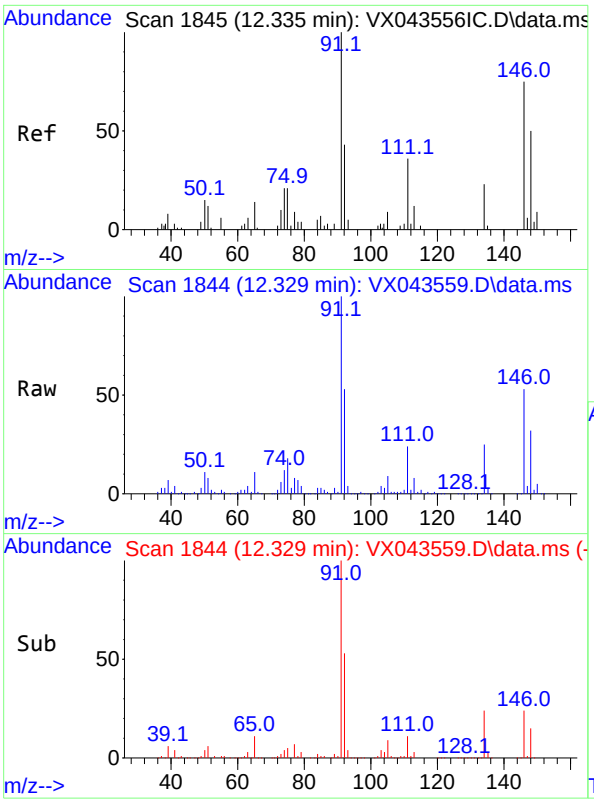


#88
1,4-Dichlorobenzene
Concen: 50.095 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:146 Resp: 189658

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	63.7	31.9	95.9



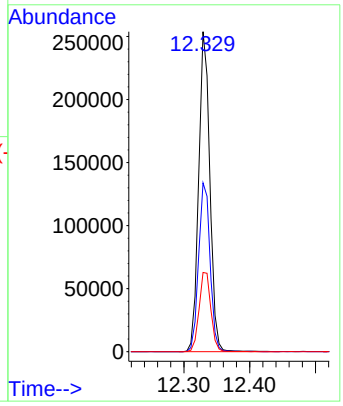


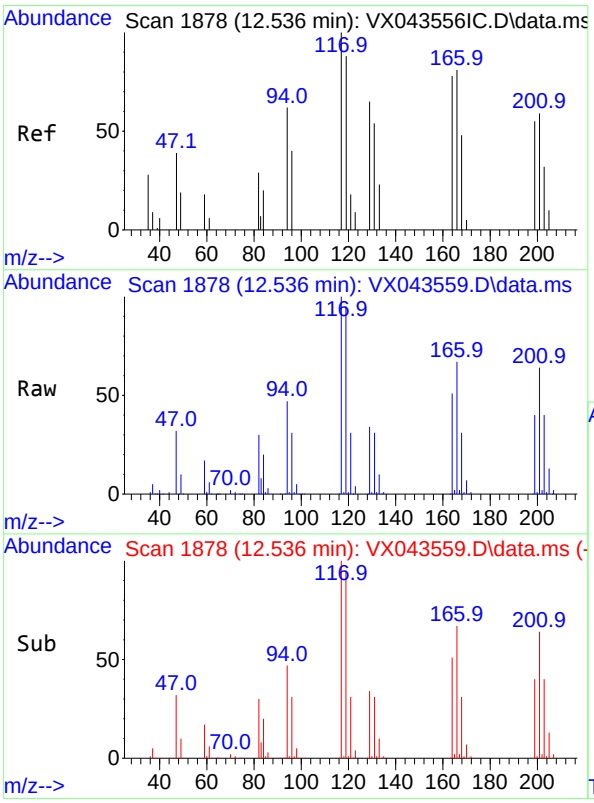
#89
n-Butylbenzene
Concen: 55.523 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 299842

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	26.1	12.9	38.6

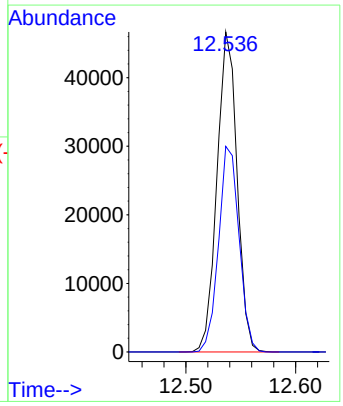


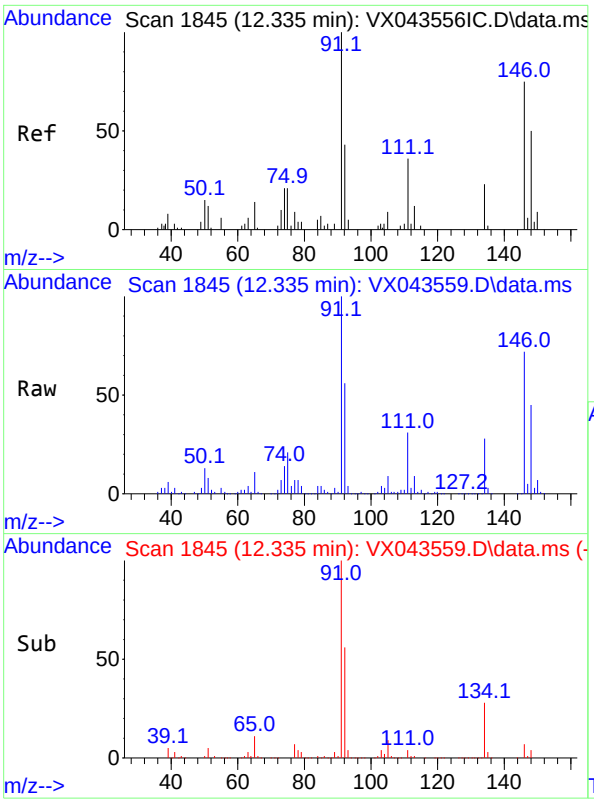


#90
Hexachloroethane
Concen: 55.265 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:117 Resp: 59554

Ion	Ratio	Lower	Upper
117	100		
201	65.6	32.9	98.7



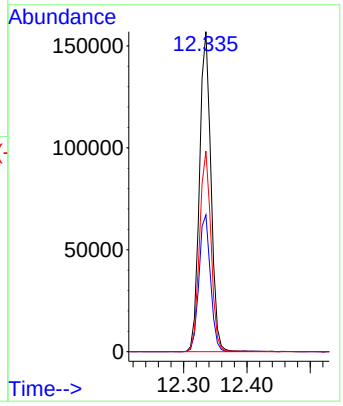


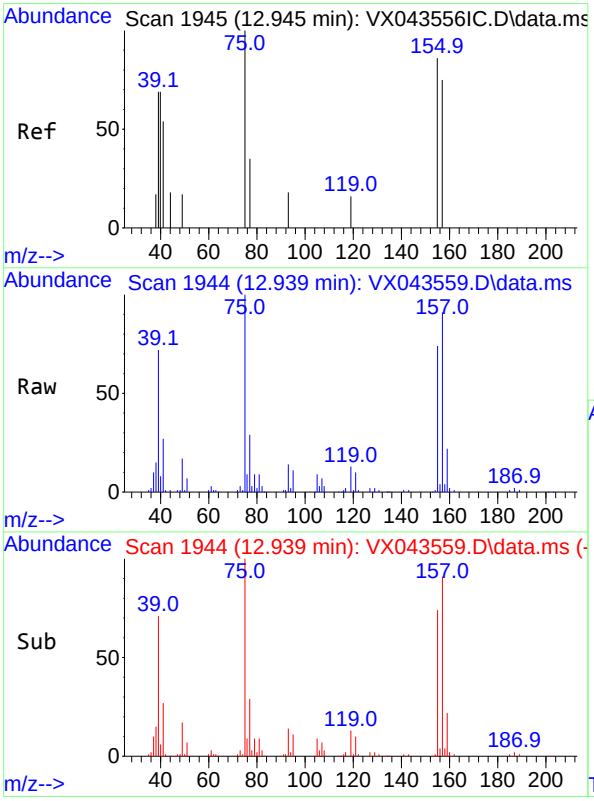
#91
1,2-Dichlorobenzene
Concen: 51.130 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 198010

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	62.9	31.6	95.0

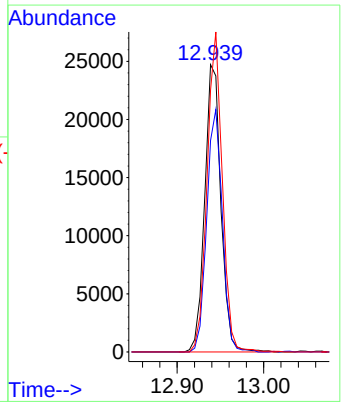


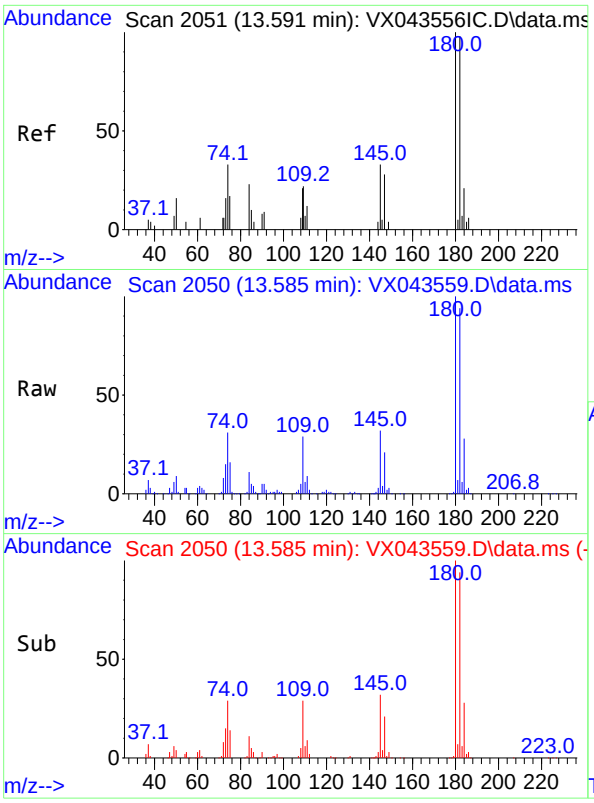


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.159 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion: 75 Resp: 32185

Ion	Ratio	Lower	Upper
75	100		
155	81.2	40.1	120.3
157	104.8	50.8	152.4



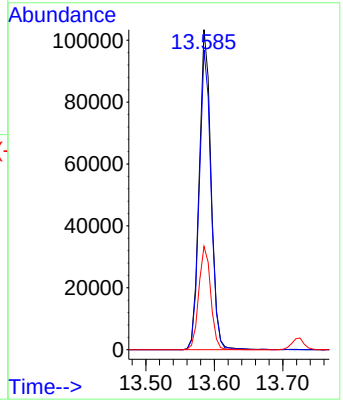


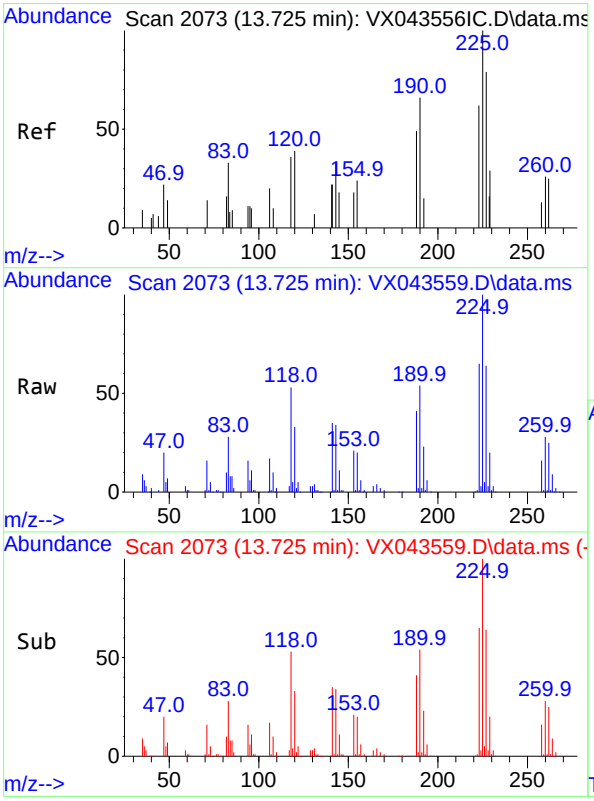
#93
1,2,4-Trichlorobenzene
Concen: 54.653 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 123940

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.8	140.4
145	32.6	16.1	48.3

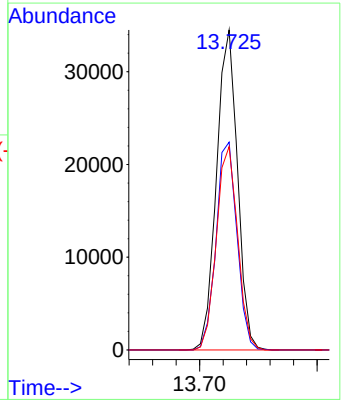


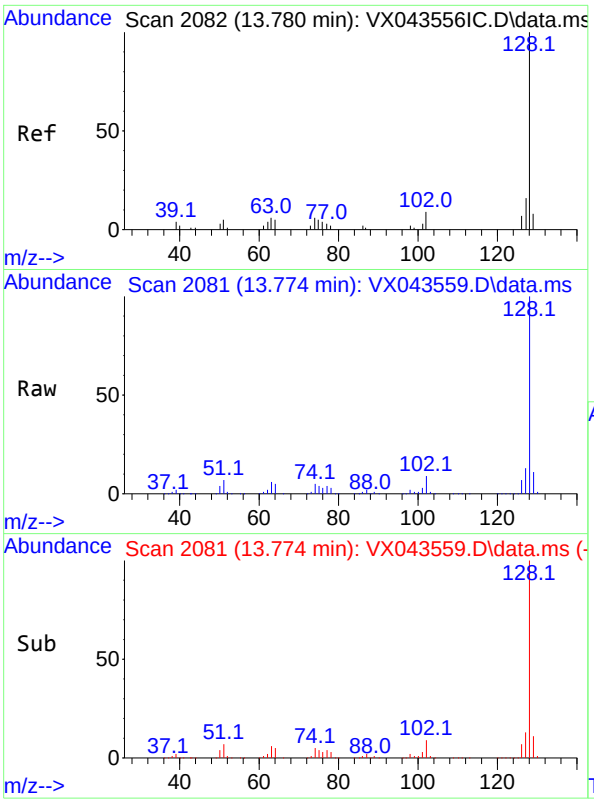


#94
Hexachlorobutadiene
Concen: 53.286 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:225 Resp: 42766

Ion	Ratio	Lower	Upper
225	100		
223	64.8	30.8	92.4
227	64.5	31.6	94.8



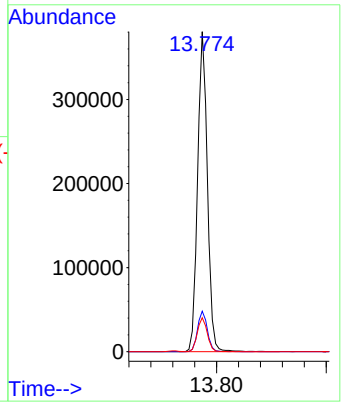


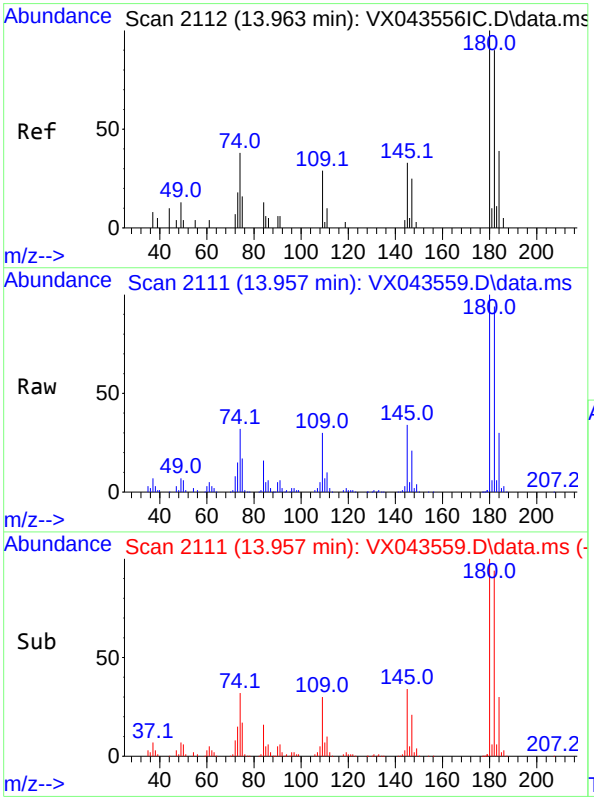
#95
Naphthalene
Concen: 50.857 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 473262

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.7	13.1

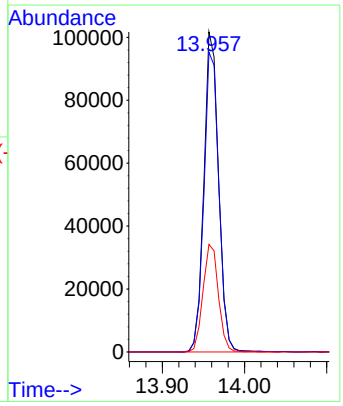




#96
1,2,3-Trichlorobenzene
Concen: 53.229 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043559.D
Acq: 28 Oct 2024 12:08

Tgt Ion:180 Resp: 126296

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.3
145	35.2	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	222471	97.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.340%#			
35) Dibromofluoromethane	5.379	113	181437	102.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.240%#			
50) Toluene-d8	8.647	98	615421	100.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.780%#			
62) 4-Bromofluorobenzene	11.079	95	233193	104.146	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 208.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	150686	93.662	ug/l	95
3) Chloromethane	1.294	50	191165	93.138	ug/l	99
4) Vinyl Chloride	1.374	62	185746	99.351	ug/l	99
5) Bromomethane	1.593	94	75100	102.844	ug/l	99
6) Chloroethane	1.660	64	62560	102.264	ug/l	97
7) Trichlorofluoromethane	1.861	101	244340	99.580	ug/l	99
8) Diethyl Ether	2.136	74	109025	101.725	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	155594	100.462	ug/l	98
10) Methyl Iodide	2.440	142	227894	106.257	ug/l	99
11) Tert butyl alcohol	3.038	59	245468	501.973	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	160565	105.446	ug/l	96
13) Acrolein	2.239	56	168697	437.793	ug/l	99
14) Allyl chloride	2.654	41	289621	107.186	ug/l	97
15) Acrylonitrile	3.068	53	518888	479.012	ug/l	100
16) Acetone	2.392	43	452601	463.114	ug/l	100
17) Carbon Disulfide	2.495	76	378228	120.001	ug/l	100
18) Methyl Acetate	2.709	43	272708	92.847	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	602114	101.628	ug/l	99
20) Methylene Chloride	2.782	84	191848	100.449	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	171404	103.973	ug/l	97
22) Diisopropyl ether	3.763	45	560616	100.525	ug/l	94
23) Vinyl Acetate	3.721	43	2462441	534.476	ug/l	98
24) 1,1-Dichloroethane	3.605	63	327525	104.117	ug/l	99
25) 2-Butanone	4.562	43	698547	470.613	ug/l	98
26) 2,2-Dichloropropane	4.471	77	267036	117.781	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	215682	105.006	ug/l	99
28) Bromochloromethane	4.897	49	157450	101.175	ug/l	99
29) Tetrahydrofuran	5.013	42	449999	464.302	ug/l	99
30) Chloroform	5.092	83	336574	100.052	ug/l	98
31) Cyclohexane	5.458	56	247431	99.138	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	294454	104.159	ug/l	99
36) 1,1-Dichloropropene	5.684	75	212326	101.472	ug/l	98
37) Ethyl Acetate	4.714	43	266903	93.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	246999	103.882	ug/l	100
39) Methylcyclohexane	7.373	83	272092	101.398	ug/l	98
40) Benzene	6.031	78	707594	101.161	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143117	99.633	ug/l		96
42) 1,2-Dichloroethane	6.086	62	259548	100.874	ug/l		100
43) Isopropyl Acetate	6.342	43	448588	99.301	ug/l		99
44) Trichloroethene	7.123	130	180958	109.118	ug/l		96
45) 1,2-Dichloropropane	7.427	63	176748	103.475	ug/l		99
46) Dibromomethane	7.580	93	138874	105.836	ug/l		99
47) Bromodichloromethane	7.818	83	262652	112.832	ug/l		97
48) Methyl methacrylate	7.696	41	218800	103.744	ug/l		99
49) 1,4-Dioxane	7.677	88	102152	1885.231	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1374233	480.107	ug/l		99
52) Toluene	8.714	92	441311	102.334	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	279431	118.617	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	297464	114.982	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	183182	100.657	ug/l		99
56) Ethyl methacrylate	9.116	69	312479	106.248	ug/l		96
57) 1,3-Dichloropropane	9.305	76	305650	101.720	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	741765	512.729	ug/l		98
59) 2-Hexanone	9.433	43	1039956	480.496	ug/l		98
60) Dibromochloromethane	9.518	129	205615	120.749	ug/l		99
61) 1,2-Dibromoethane	9.610	107	196009	106.844	ug/l		97
64) Tetrachloroethene	9.269	164	142187	98.420	ug/l		99
65) Chlorobenzene	10.079	112	498984	103.935	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	175902	108.478	ug/l		99
67) Ethyl Benzene	10.195	91	828264	103.708	ug/l		100
68) m/p-Xylenes	10.299	106	638308	210.954	ug/l		97
69) o-Xylene	10.640	106	322030	103.533	ug/l		98
70) Styrene	10.652	104	548708	108.997	ug/l		99
71) Bromoform	10.799	173	140298	128.340	ug/l	#	99
73) Isopropylbenzene	10.963	105	796019	99.313	ug/l		100
74) N-amyl acetate	10.841	43	398918	98.808	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	286258	93.228	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	327228	125.527	ug/l		82
77) Bromobenzene	11.195	156	206774	101.054	ug/l		99
78) n-propylbenzene	11.305	91	894162	104.676	ug/l		99
79) 2-Chlorotoluene	11.366	91	560554	97.800	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	669305	100.572	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	100171	117.256	ug/l		90
82) 4-Chlorotoluene	11.451	91	647524	102.085	ug/l		98
83) tert-Butylbenzene	11.713	119	688015	101.376	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	684269	100.532	ug/l		99
85) sec-Butylbenzene	11.890	105	808247	102.828	ug/l		98
86) p-Isopropyltoluene	12.006	119	703703	108.063	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	370986	101.044	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	371529	100.386	ug/l		99
89) n-Butylbenzene	12.329	91	602601	114.147	ug/l		99
90) Hexachloroethane	12.536	117	125658	119.283	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	375640	99.223	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	65340	100.012	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	246552	111.215	ug/l		100
94) Hexachlorobutadiene	13.725	225	87749	111.843	ug/l		98
95) Naphthalene	13.774	128	948508	104.267	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	256915	110.764	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

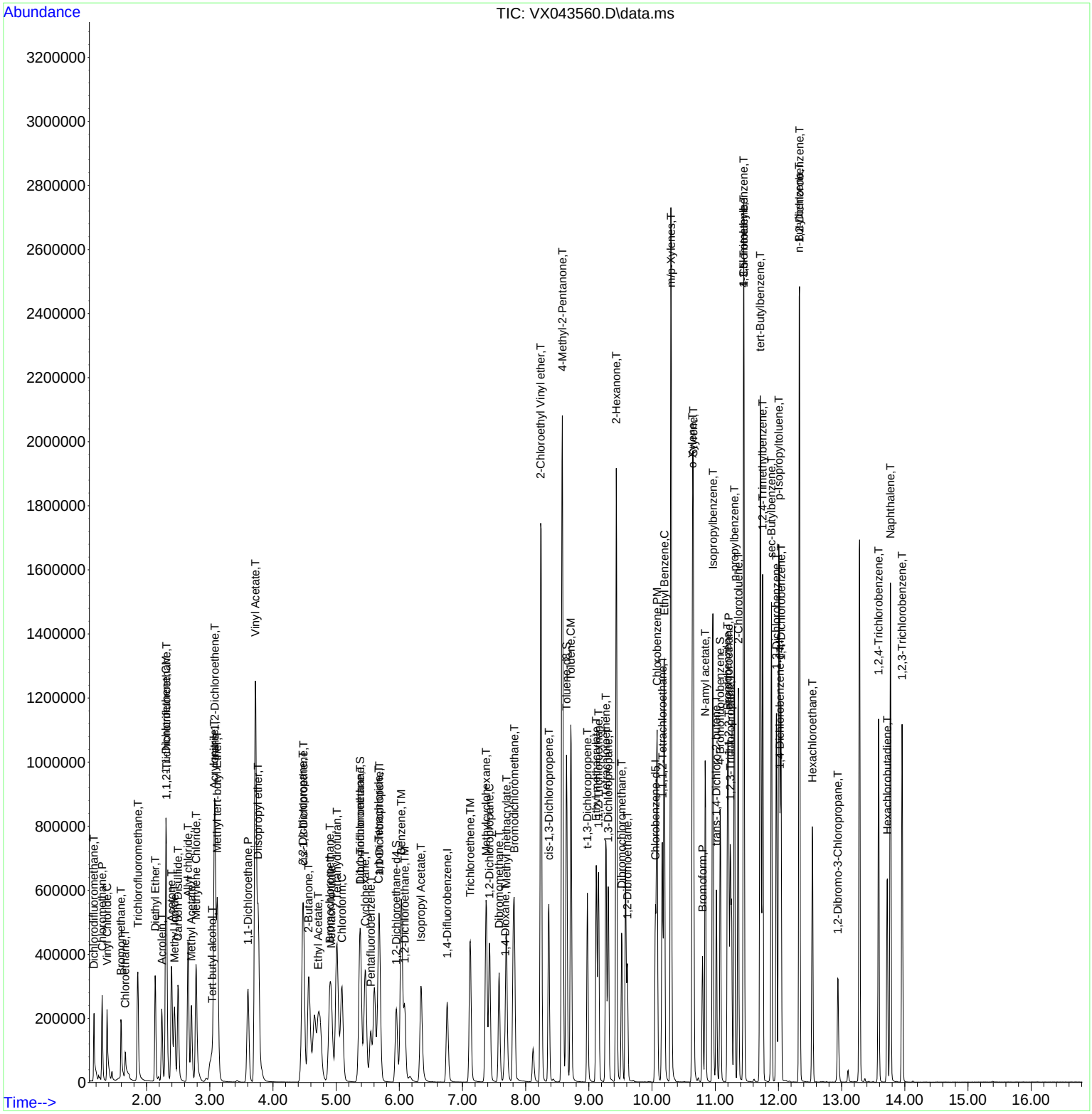
(#) = qualifier out of range (m) = manual integration (+) = signals summed

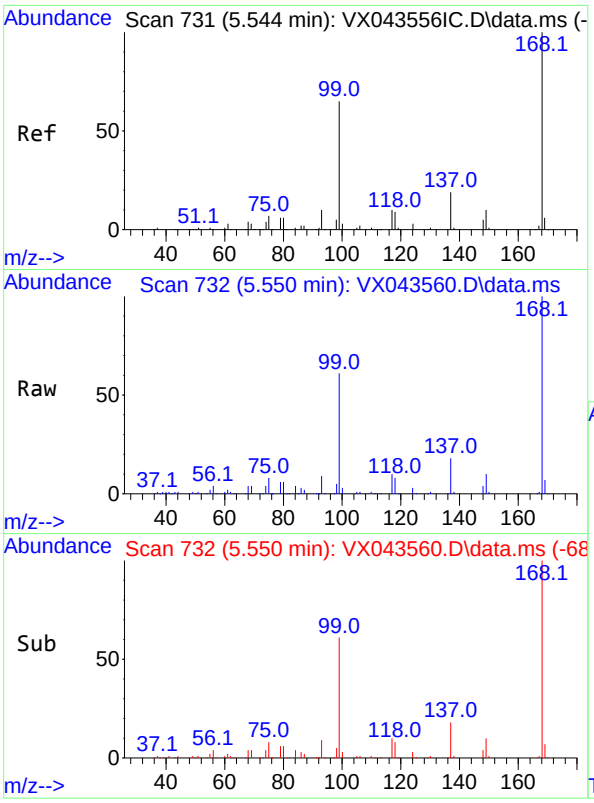
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration



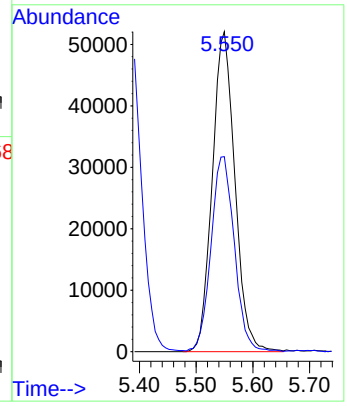


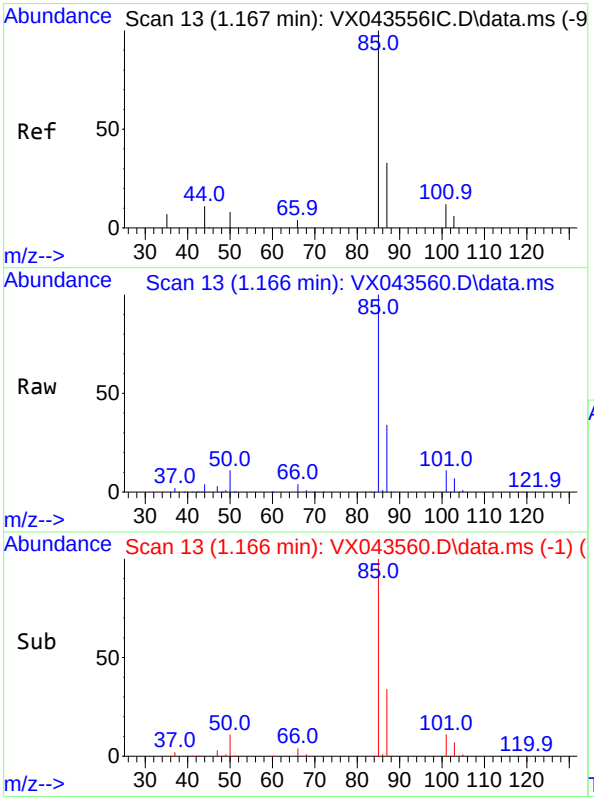
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 144332

Ion	Ratio	Lower	Upper
168	100		
99	60.8	52.6	78.8

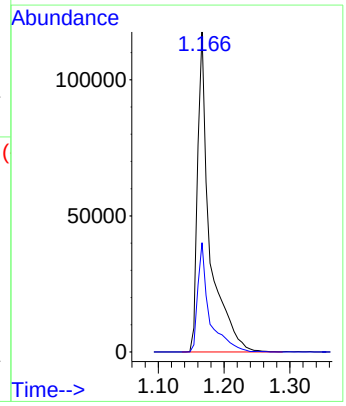


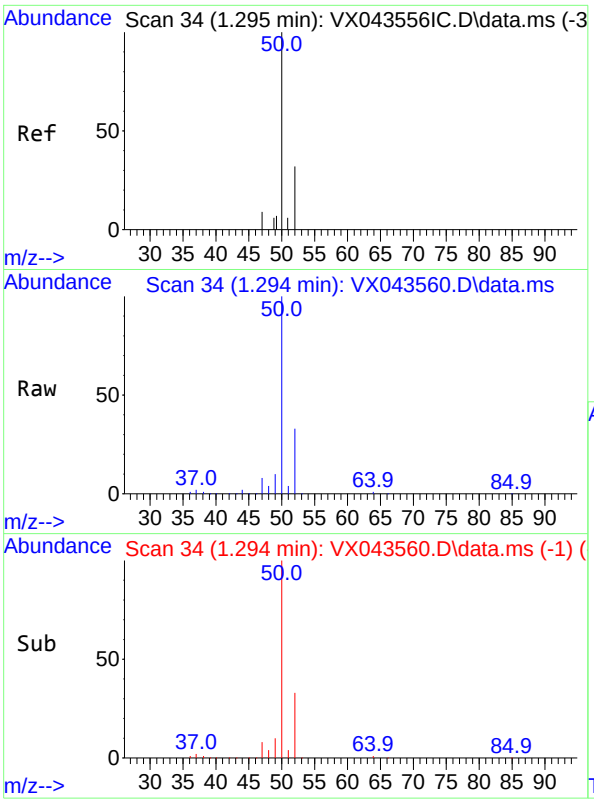


#2
Dichlorodifluoromethane
Concen: 93.662 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 85 Resp: 150686

Ion	Ratio	Lower	Upper
85	100		
87	34.2	15.7	47.0



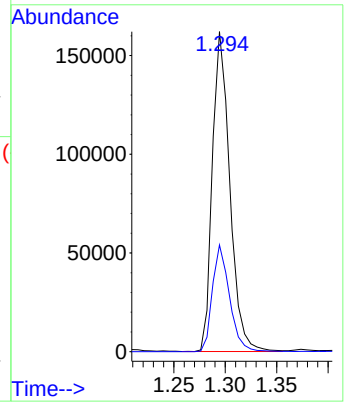


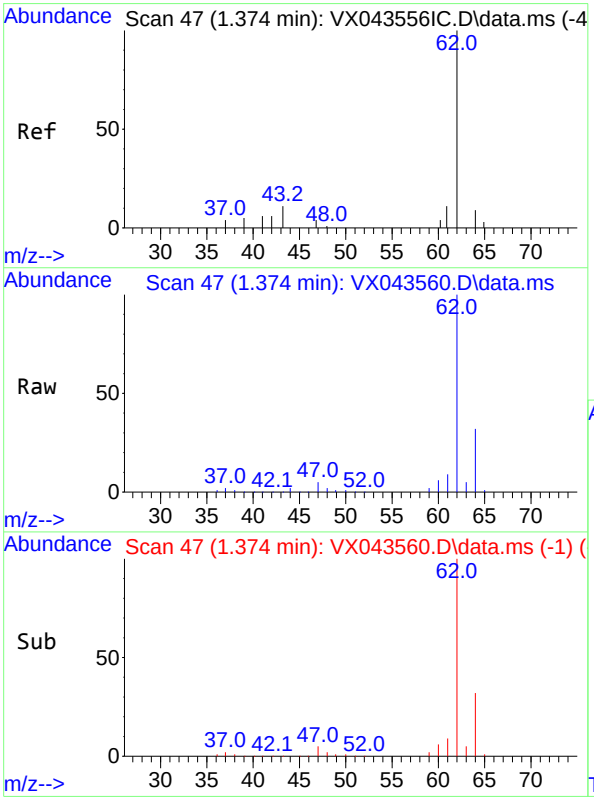
#3
Chloromethane
Concen: 93.138 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 191165

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.3	39.5

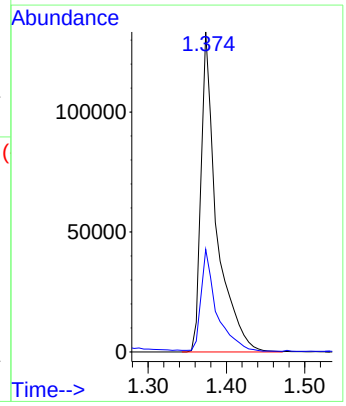


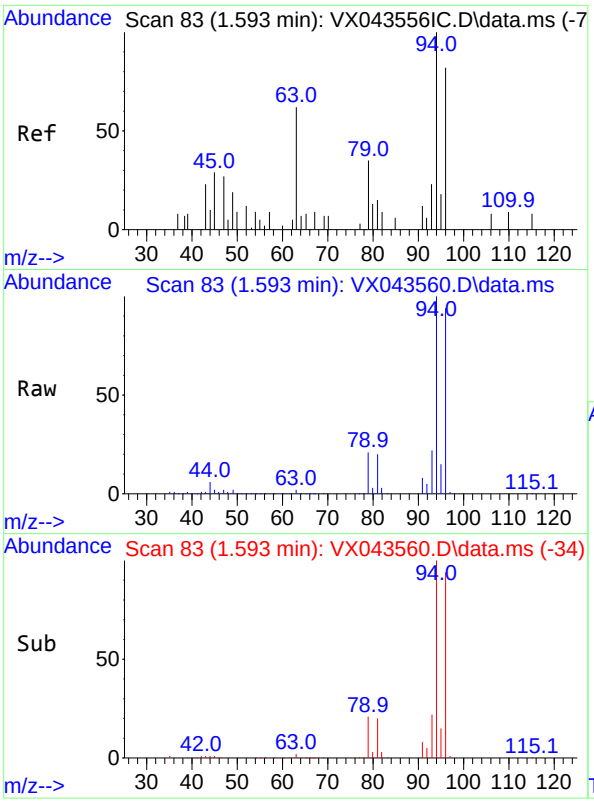


#4
Vinyl Chloride
Concen: 99.351 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 62 Resp: 185746

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.0	37.4



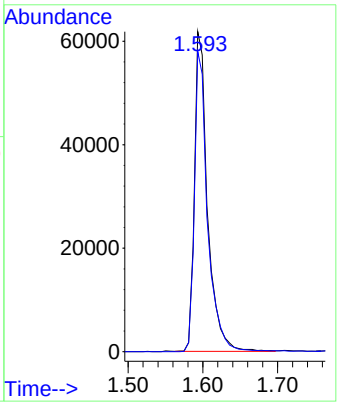


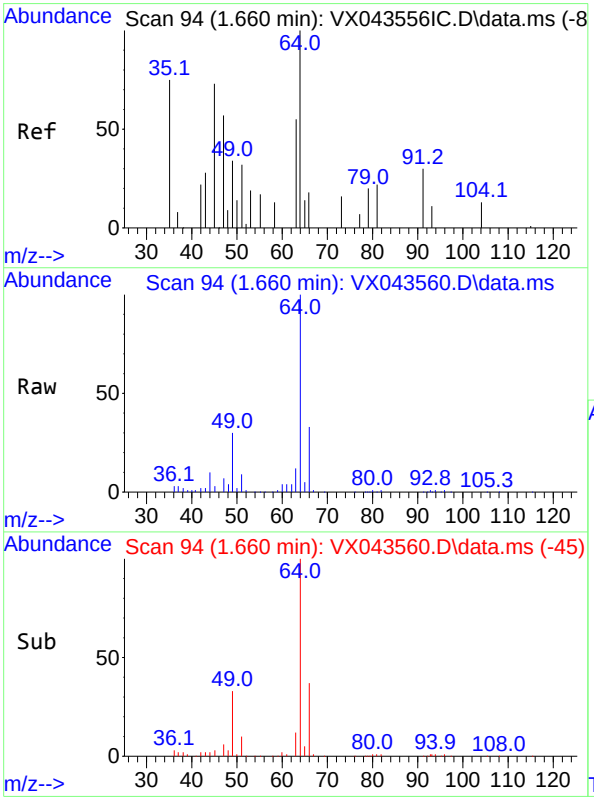
#5
Bromomethane
Concen: 102.844 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 75100

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.9	113.9

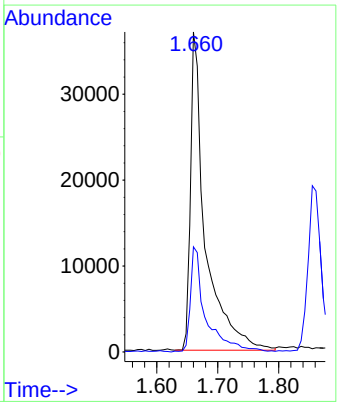


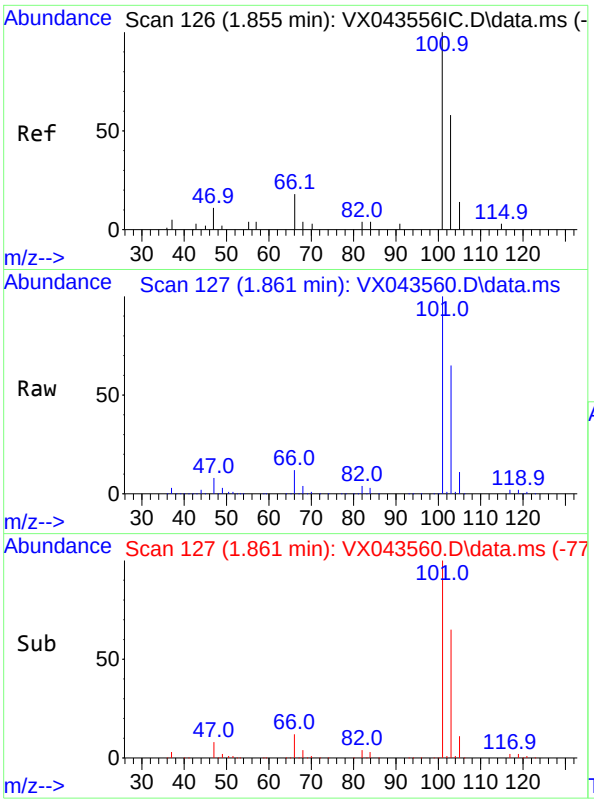


#6
Chloroethane
Concen: 102.264 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 64 Resp: 62560

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.1	37.7



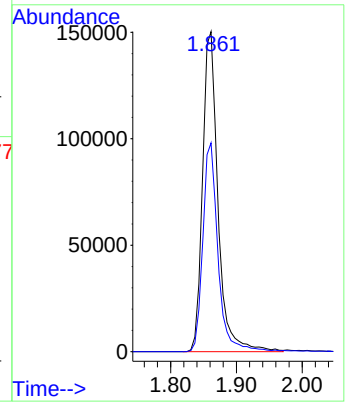


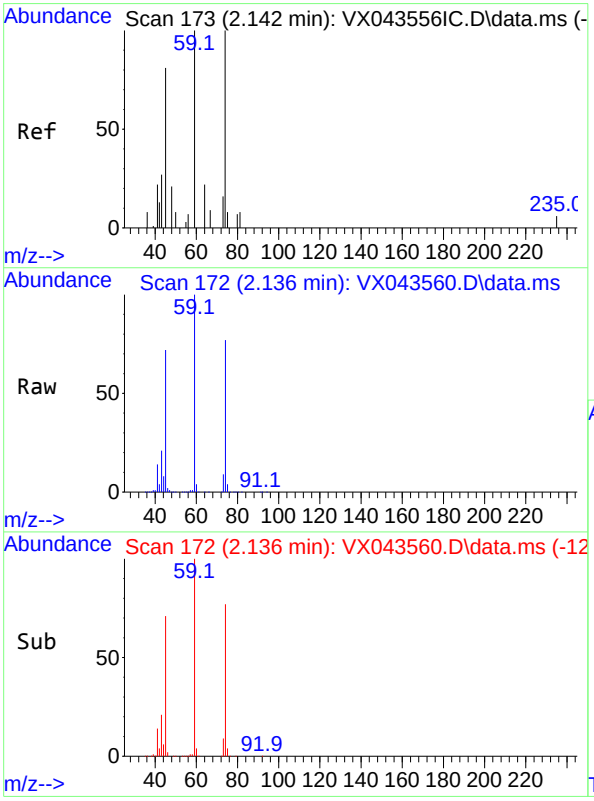
#7
Trichlorofluoromethane
Concen: 99.580 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 244340

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

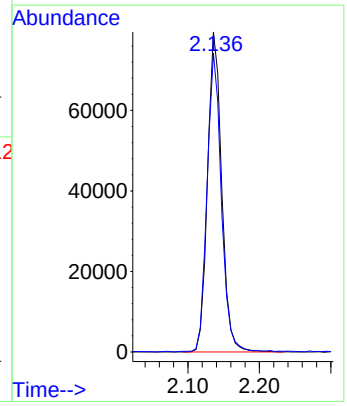


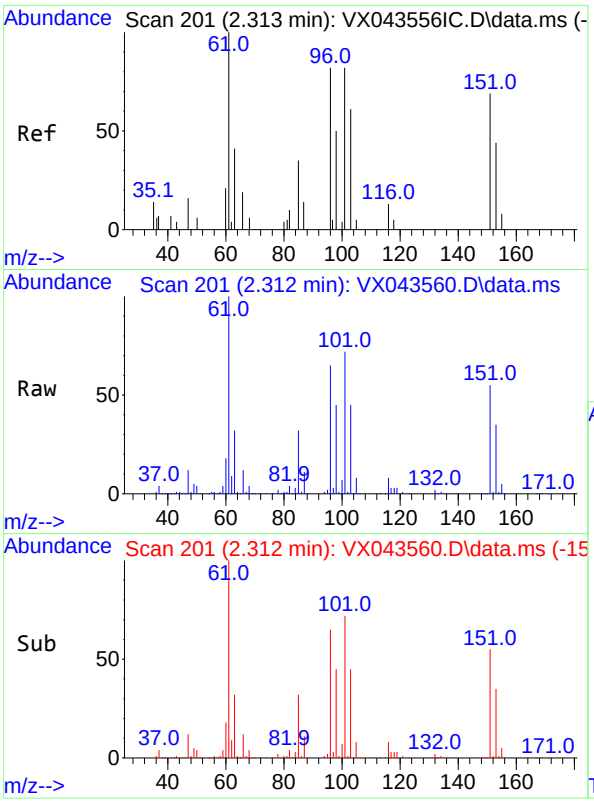


#8
Diethyl Ether
Concen: 101.725 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 74 Resp: 109025

Ion	Ratio	Lower	Upper
74	100		
45	95.2	47.5	142.5



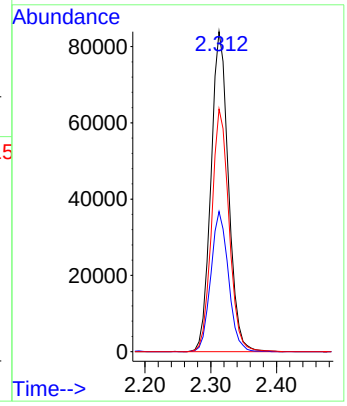


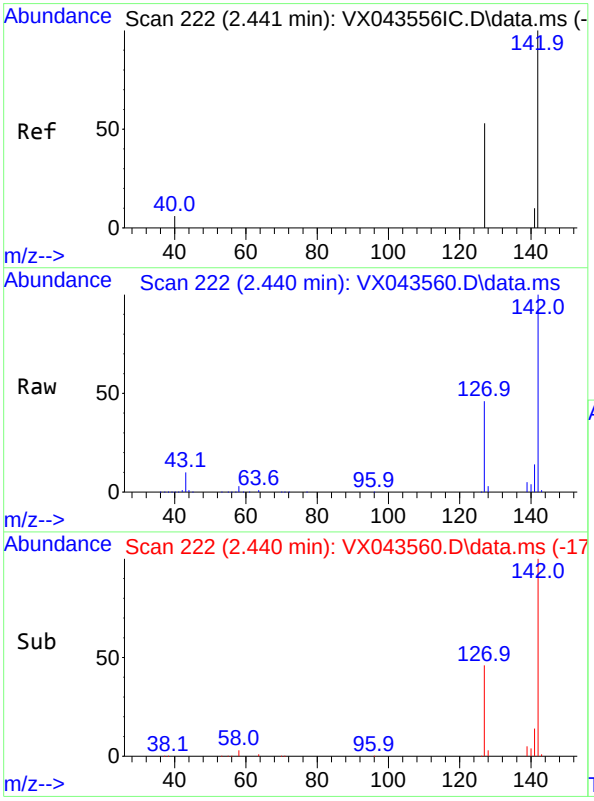
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.462 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 155594

Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.5	51.7
151	75.3	58.2	87.2

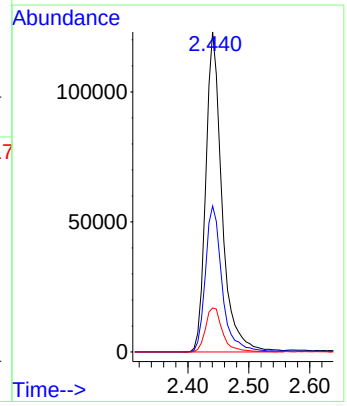


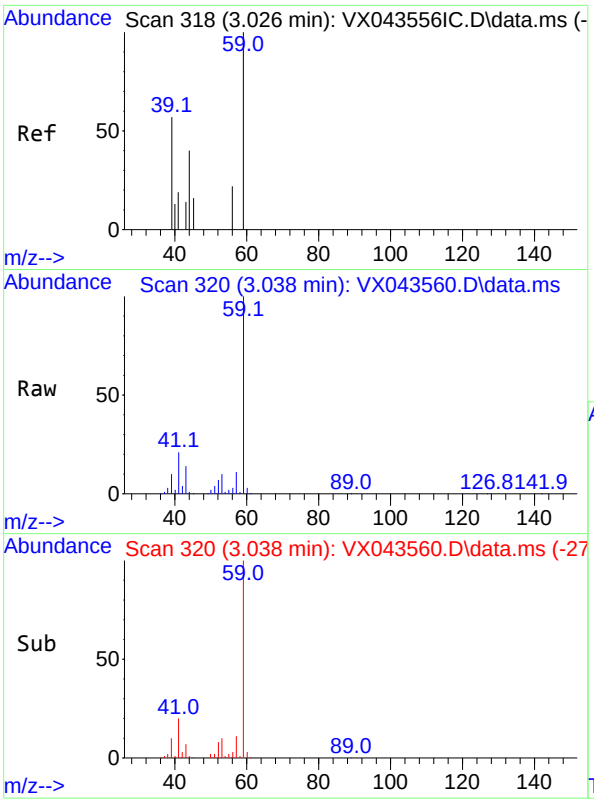


#10
Methyl Iodide
Concen: 106.257 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:142 Resp: 227894

Ion	Ratio	Lower	Upper
142	100		
127	46.9	38.2	57.4
141	14.6	11.5	17.3



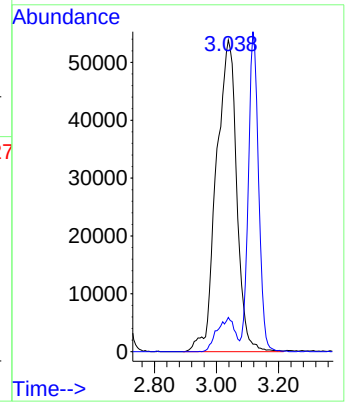


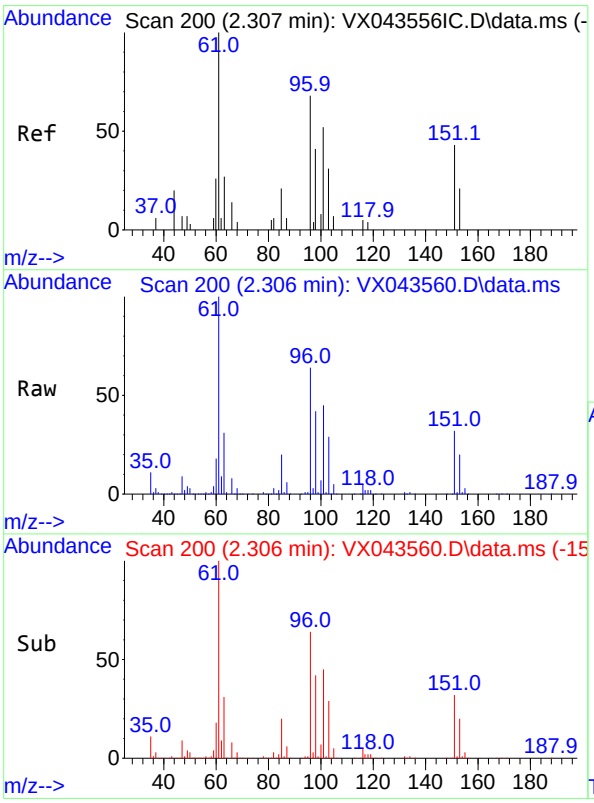
#11
Tert butyl alcohol
Concen: 501.973 ug/l
RT: 3.038 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 245468

Ion	Ratio	Lower	Upper
59	100		
57	9.6	0.0	0.0#

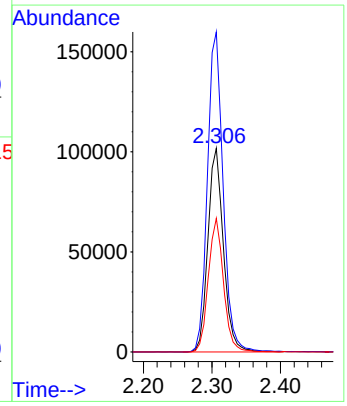


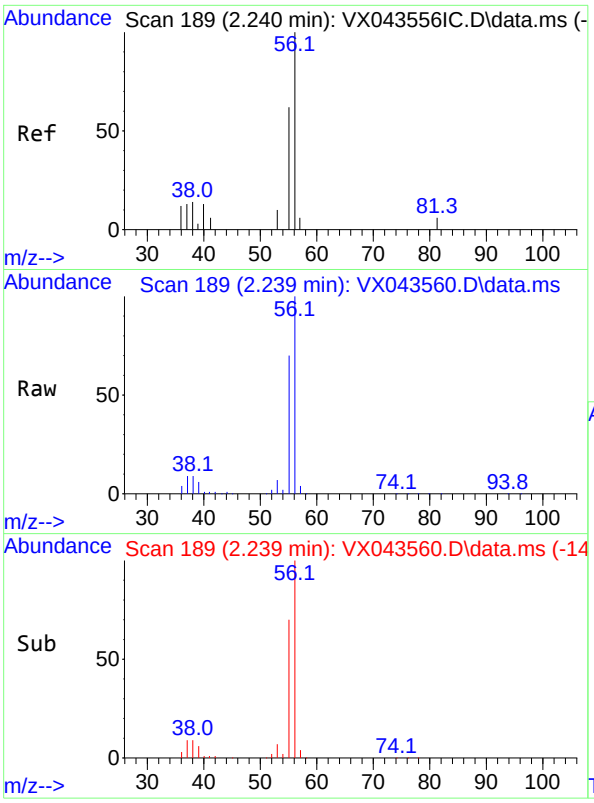


#12
1,1-Dichloroethene
Concen: 105.446 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 96 Resp: 160565

Ion	Ratio	Lower	Upper
96	100		
61	157.1	130.2	195.4
98	65.6	51.0	76.6



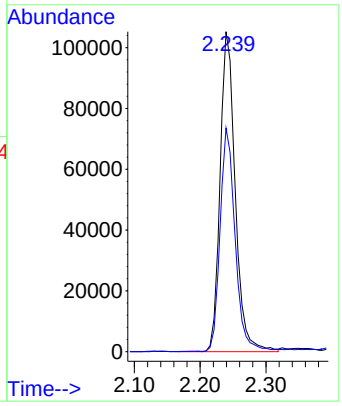


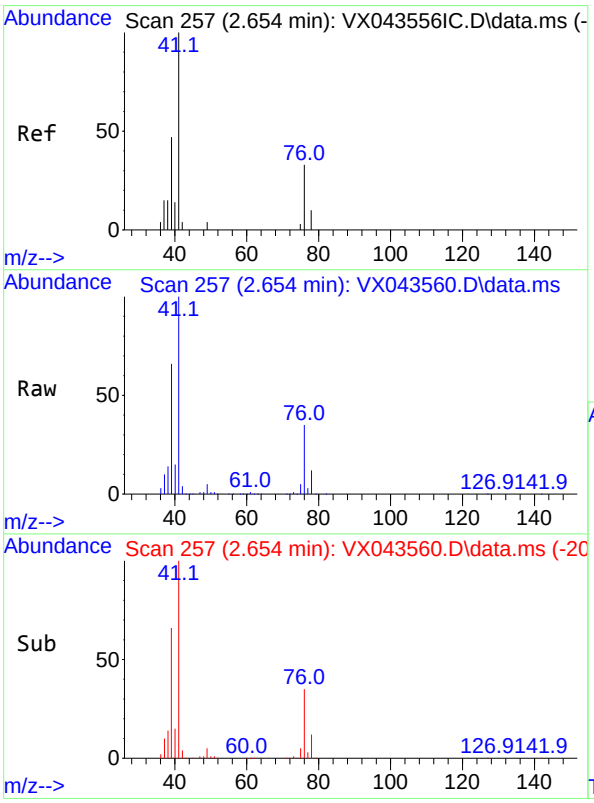
#13
Acrolein
Concen: 437.793 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 168697

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.3	82.9

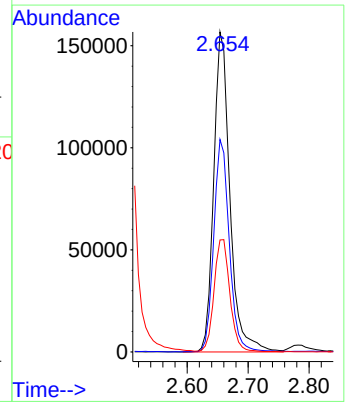


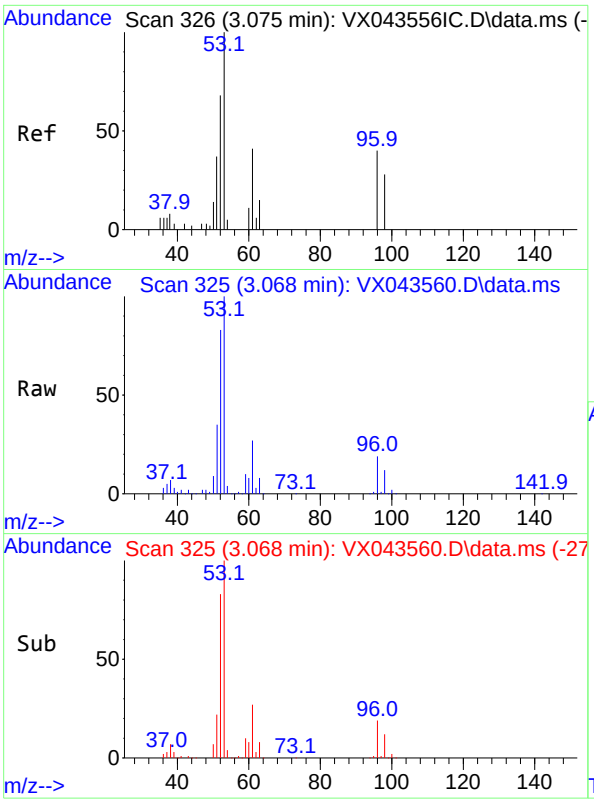


#14
Allyl chloride
Concen: 107.186 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 41 Resp: 289621

Ion	Ratio	Lower	Upper
41	100		
39	63.5	53.2	79.8
76	34.3	27.0	40.6



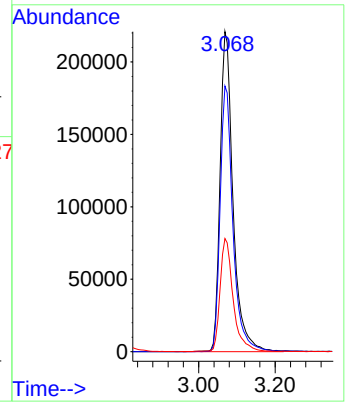


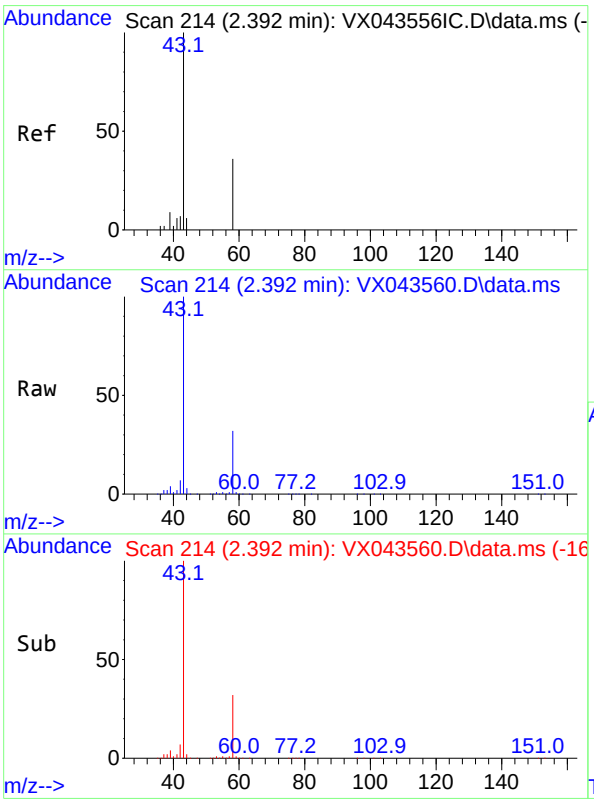
#15
Acrylonitrile
Concen: 479.012 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 518888

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.6
51	35.5	28.5	42.7

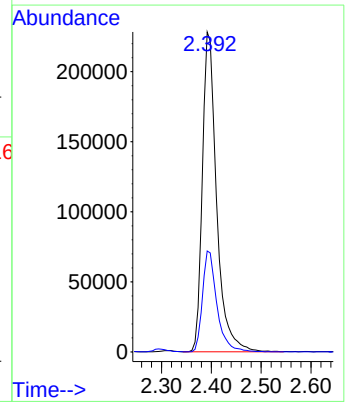


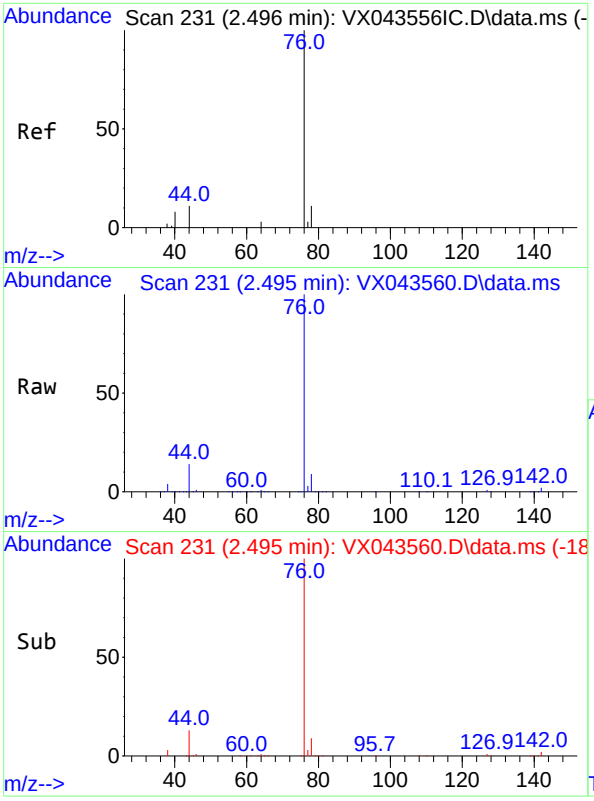


#16
Acetone
Concen: 463.114 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 452601

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.1	37.7



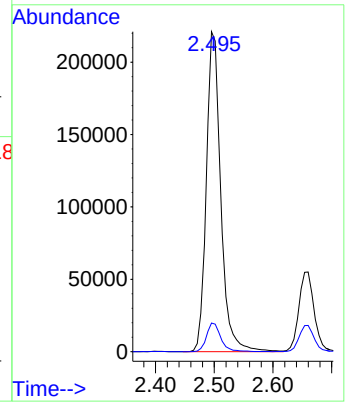


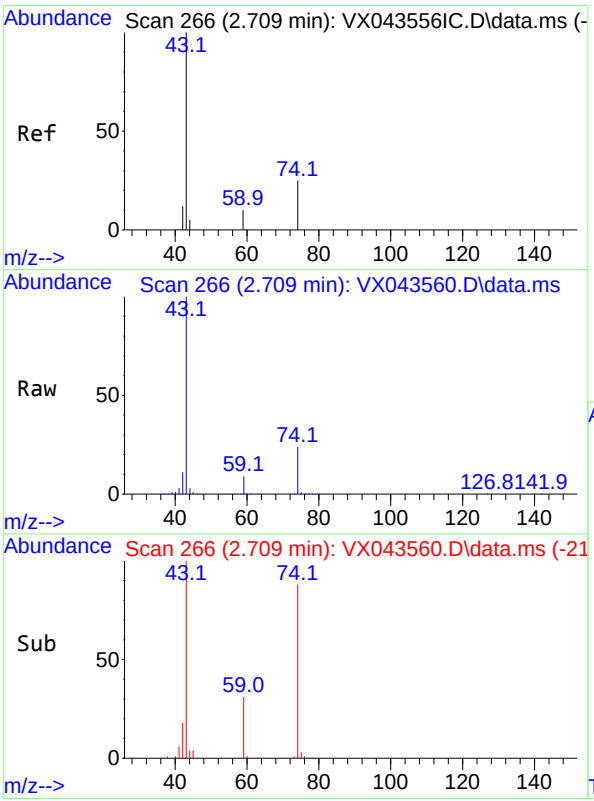
#17
Carbon Disulfide
Concen: 120.001 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 378228

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

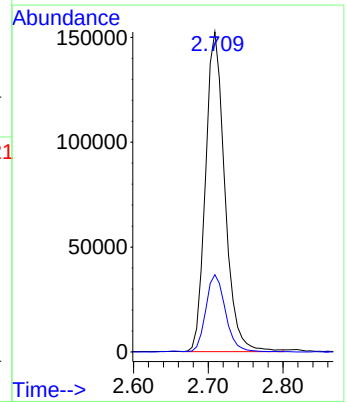


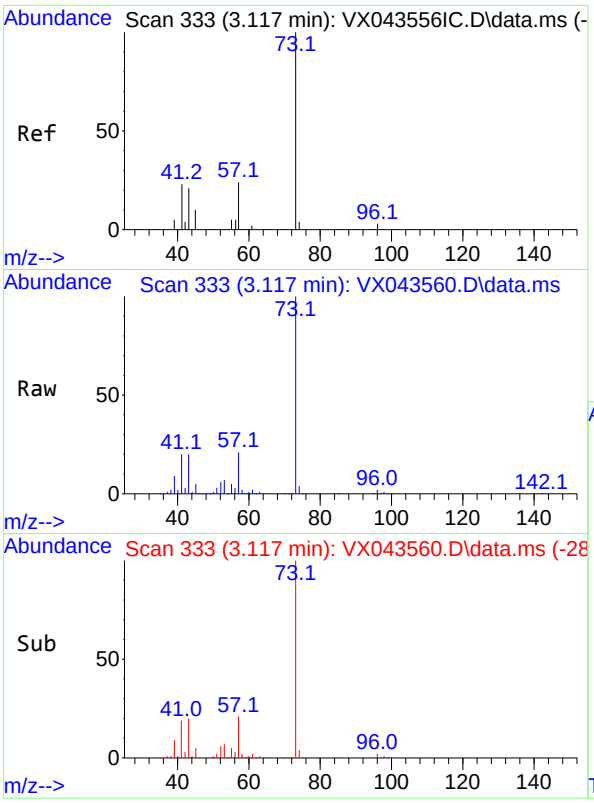


#18
Methyl Acetate
Concen: 92.847 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 272708

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.1	28.7



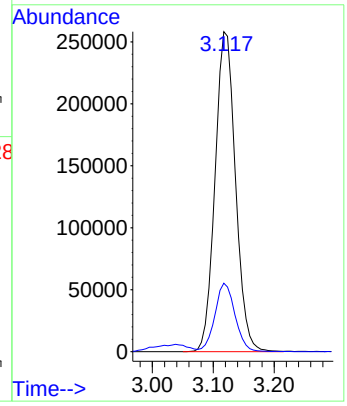


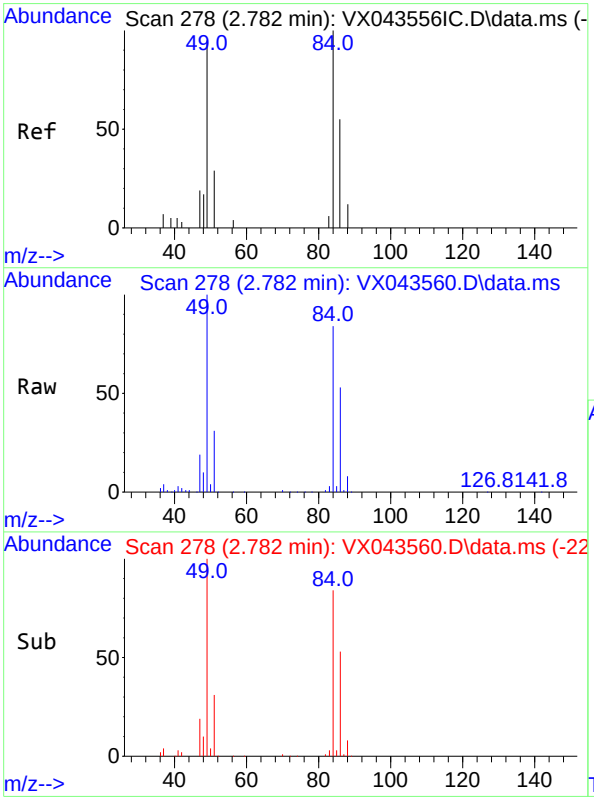
#19
Methyl tert-butyl Ether
Concen: 101.628 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 602114

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5

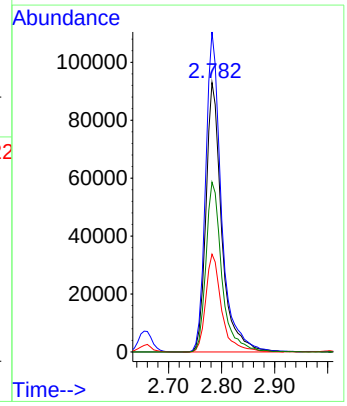


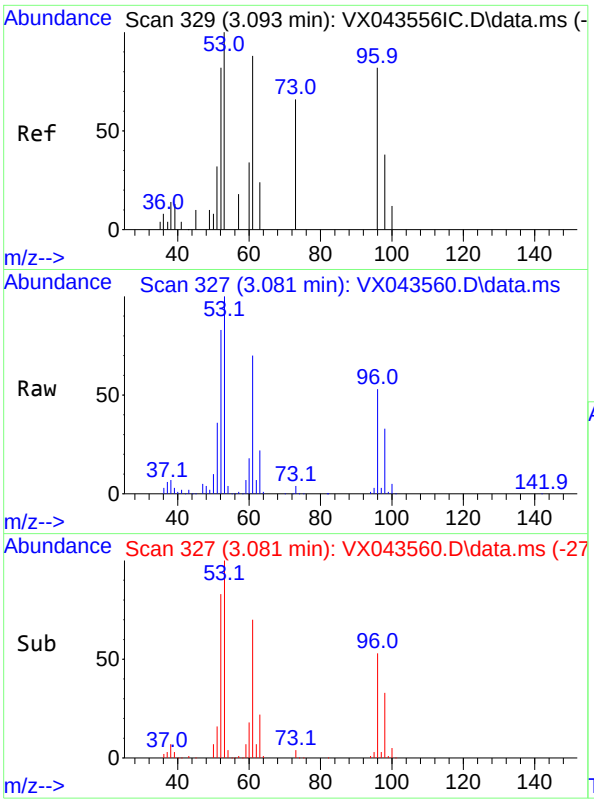


#20
Methylene Chloride
Concen: 100.449 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 84 Resp: 191848

Ion	Ratio	Lower	Upper
84	100		
49	118.8	97.0	145.6
51	36.3	29.8	44.8
86	63.0	53.1	79.7



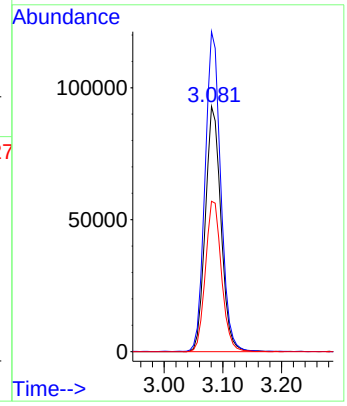


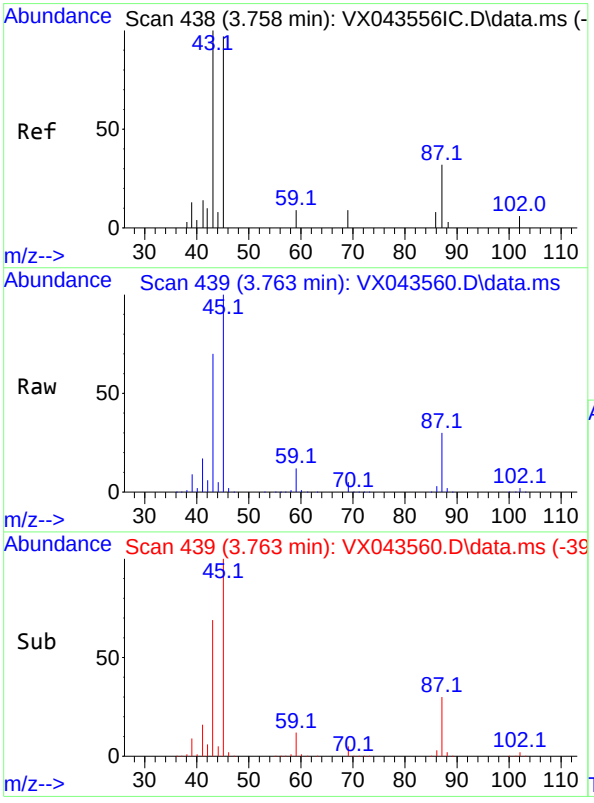
#21
trans-1,2-Dichloroethene
Concen: 103.973 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 171404

Ion	Ratio	Lower	Upper
96	100		
61	130.3	107.1	160.7
98	61.3	47.7	71.5

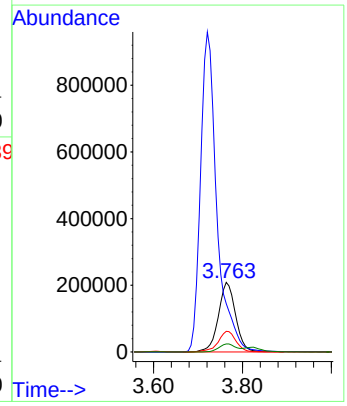


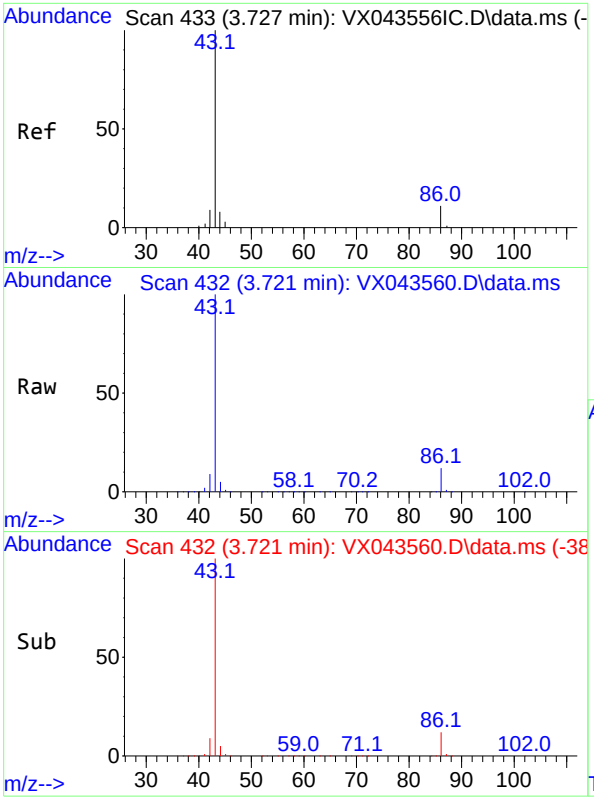


#22
Diisopropyl ether
Concen: 100.525 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 45 Resp: 560616

Ion	Ratio	Lower	Upper
45	100		
43	69.5	60.6	90.8
87	29.7	22.0	33.0
59	11.6	9.5	14.3



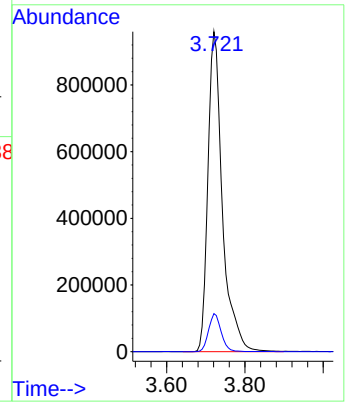


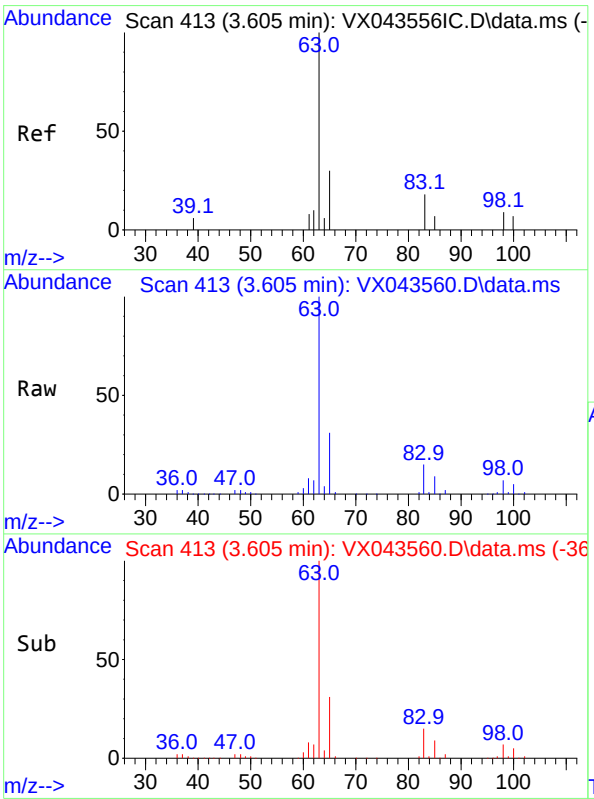
#23
Vinyl Acetate
Concen: 534.476 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2462441

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.0	13.4

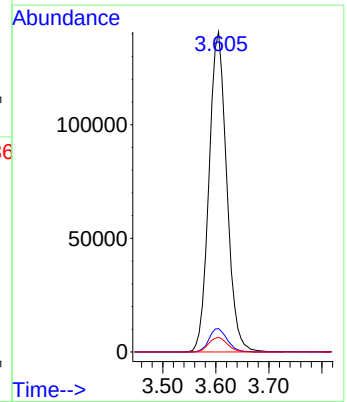


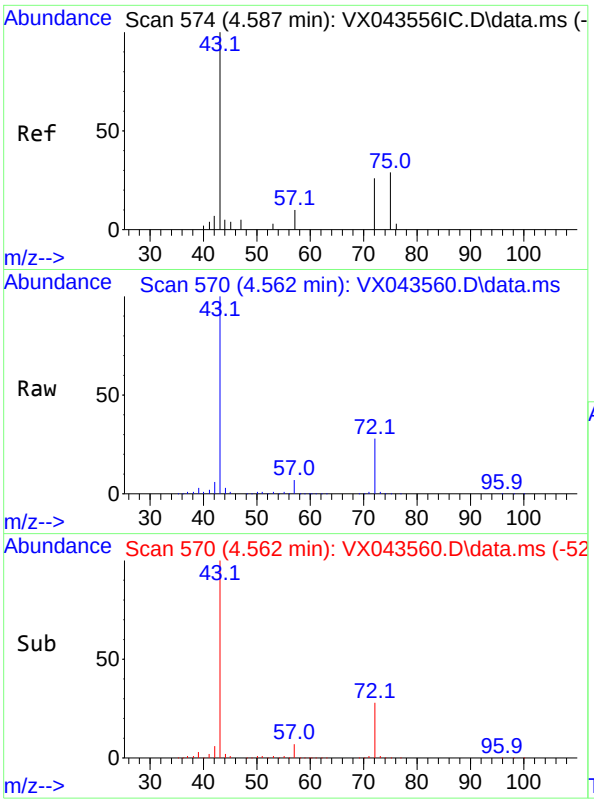


#24
1,1-Dichloroethane
Concen: 104.117 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 63 Resp: 327525

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.6	2.4	7.2



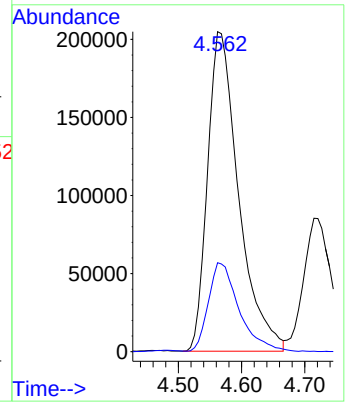


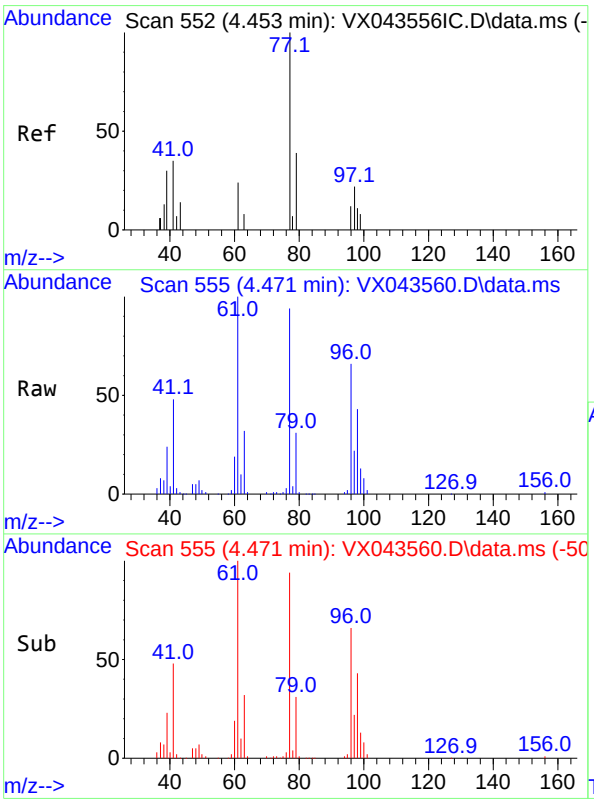
#25
2-Butanone
Concen: 470.613 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 698547

Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.1	31.7

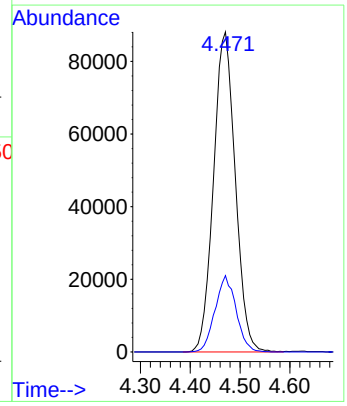


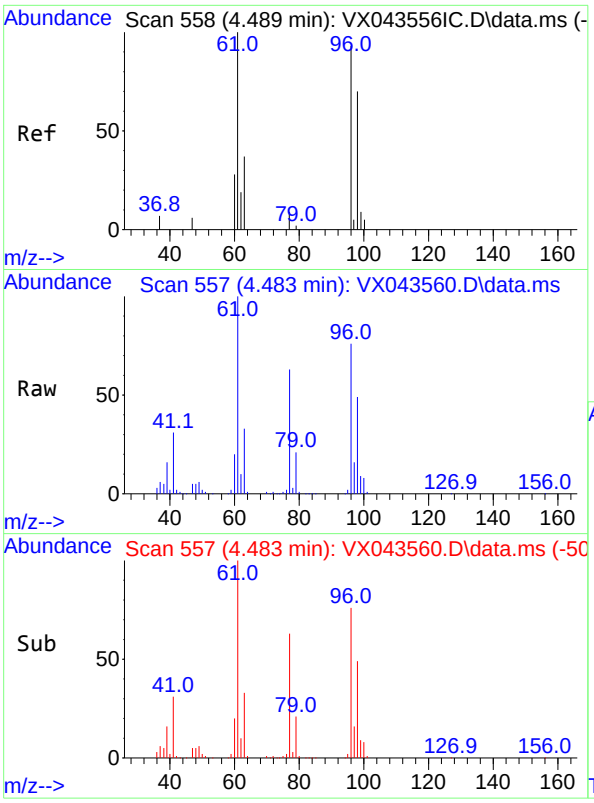


#26
2,2-Dichloropropane
Concen: 117.781 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 77 Resp: 267036

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.8



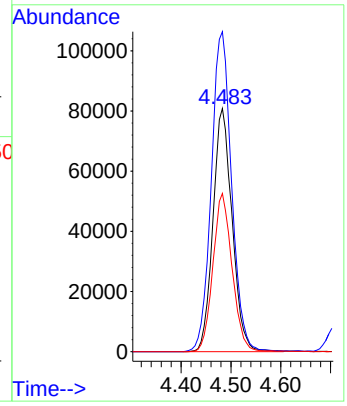


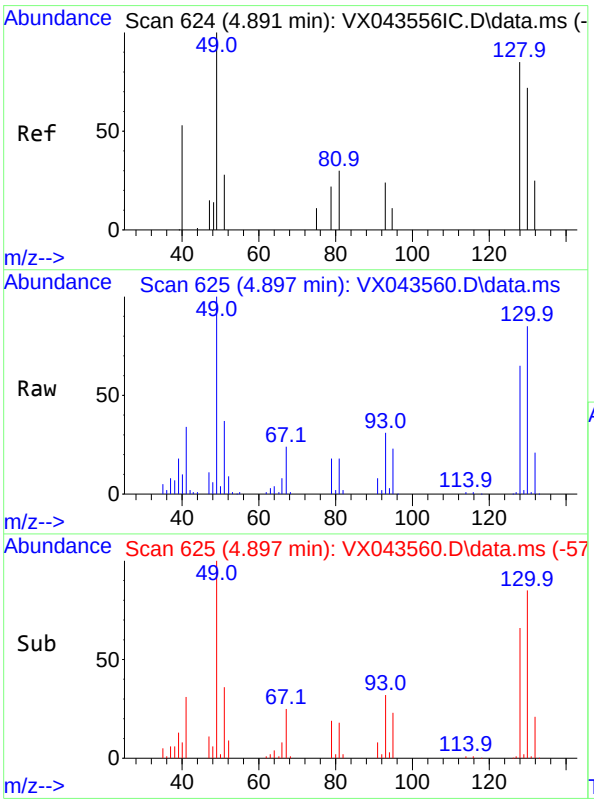
#27
cis-1,2-Dichloroethene
Concen: 105.006 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 215682

Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	277.2
98	64.9	0.0	131.6

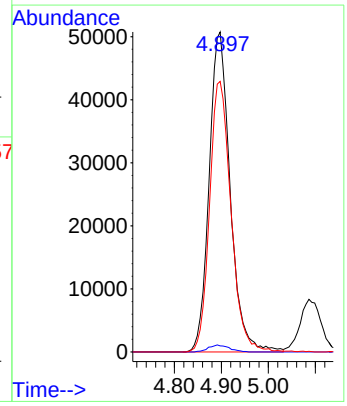


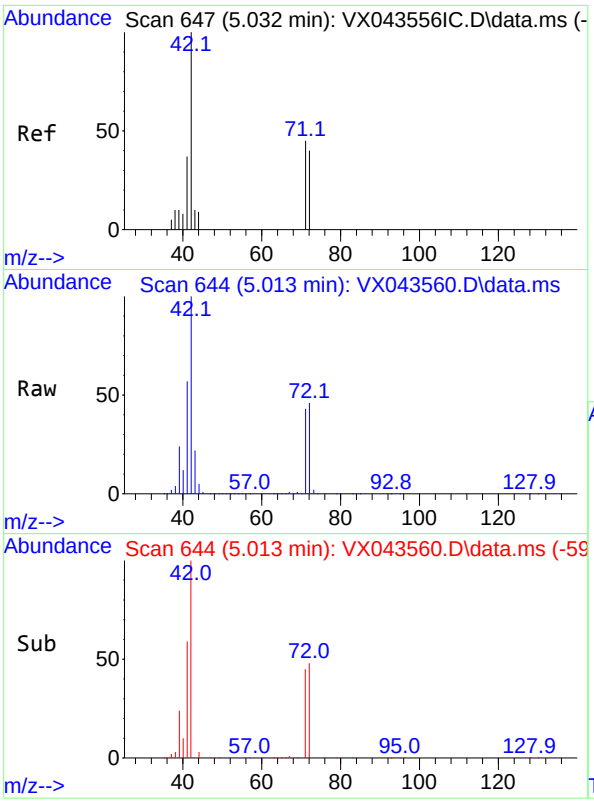


#28
Bromochloromethane
Concen: 101.175 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 49 Resp: 157450

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.1	67.8	101.8



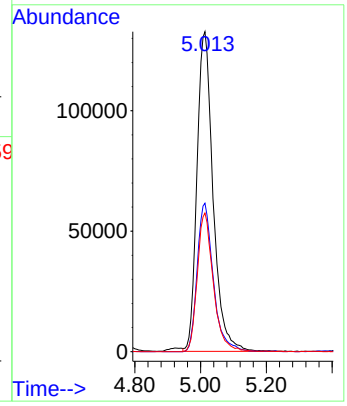


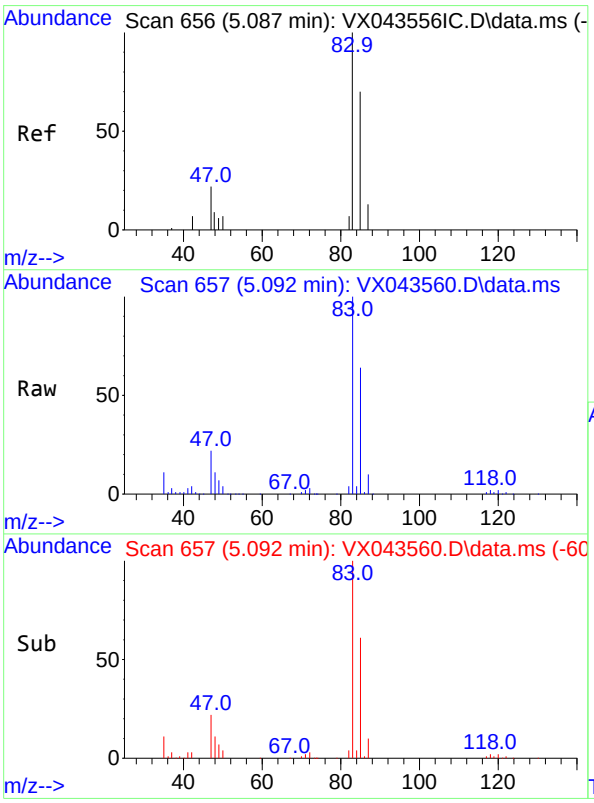
#29
Tetrahydrofuran
Concen: 464.302 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 449999

Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.6	55.0
71	43.2	34.2	51.4

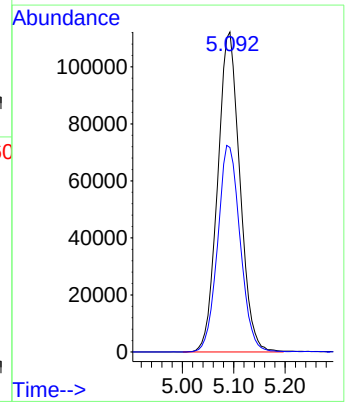


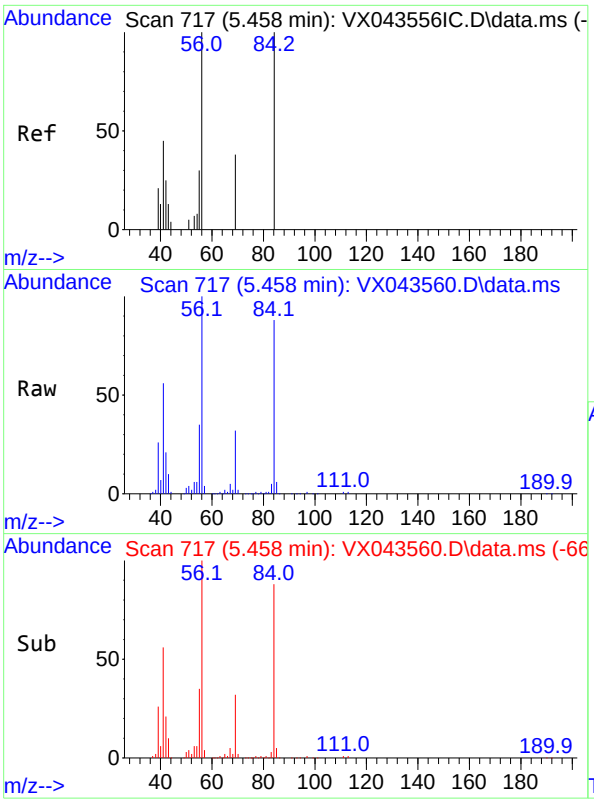


#30
Chloroform
Concen: 100.052 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 83 Resp: 336574

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4



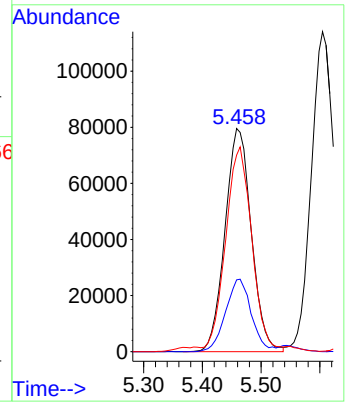


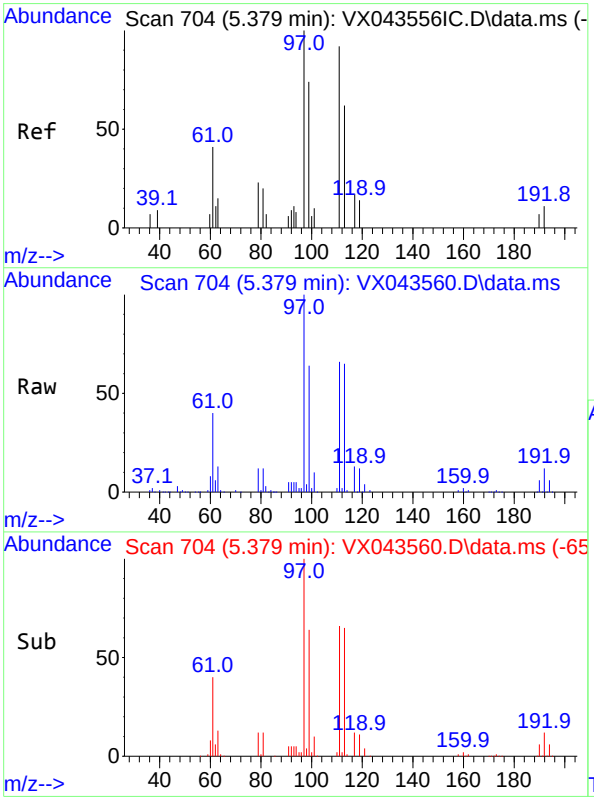
#31
Cyclohexane
Concen: 99.138 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 247431

Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.9	37.3
84	86.2	73.3	109.9

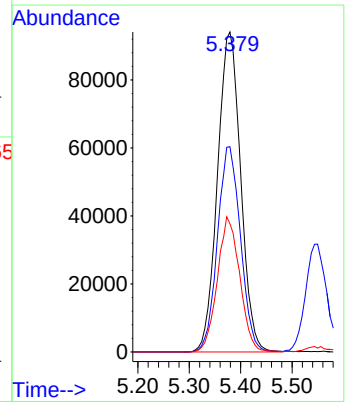


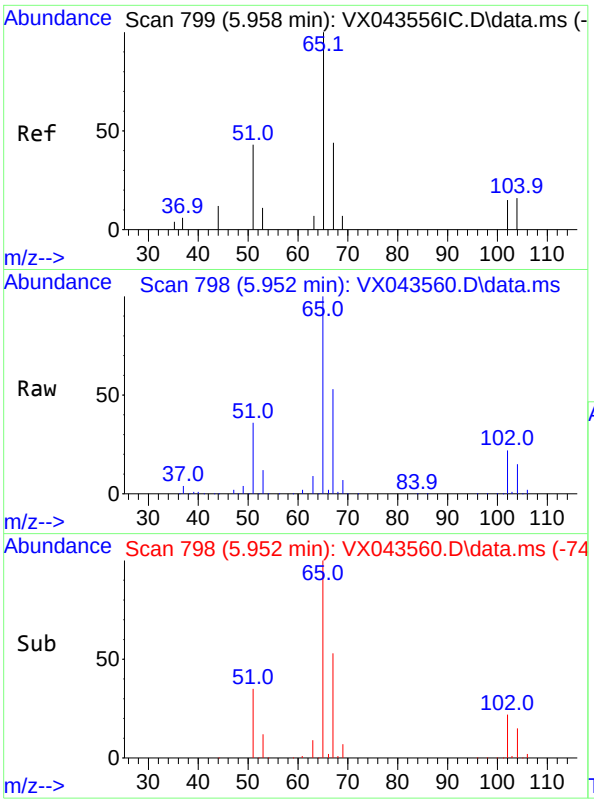


#32
1,1,1-Trichloroethane
Concen: 104.159 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 97 Resp: 294454

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	40.9	34.0	51.0



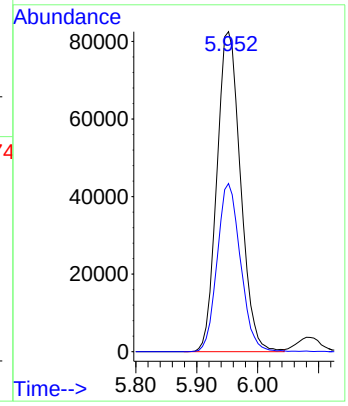


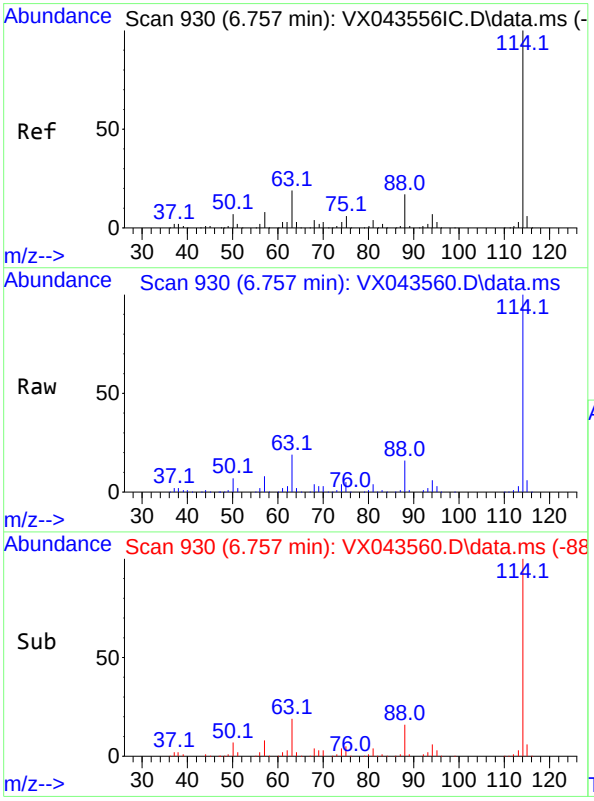
#33
1,2-Dichloroethane-d4
Concen: 97.169 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 222471

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4

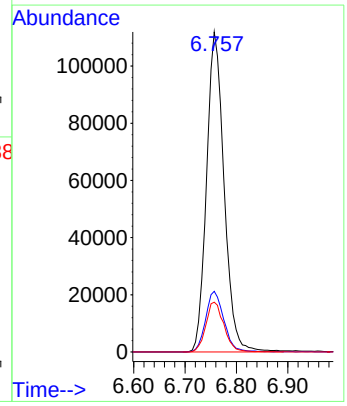


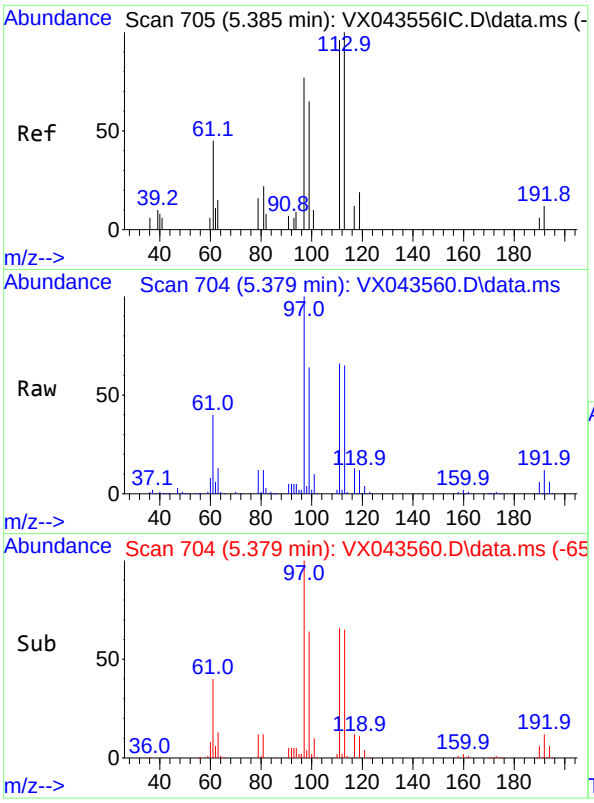


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:114 Resp: 265513

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	41.2
88	15.6	0.0	34.0



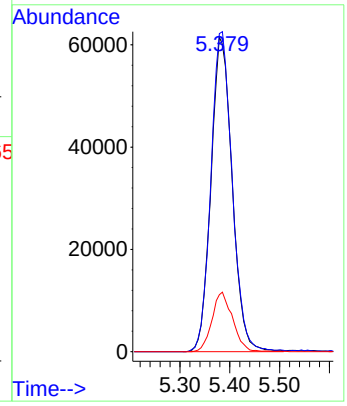


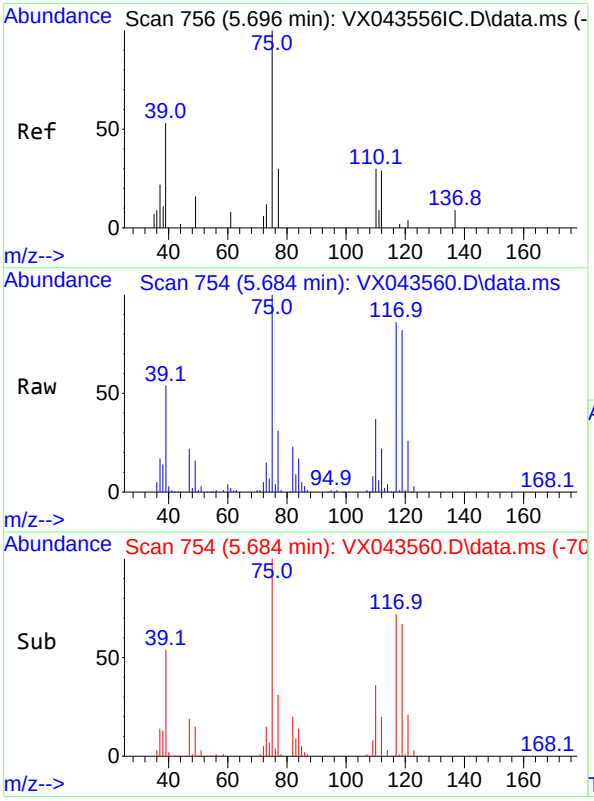
#35
Dibromofluoromethane
Concen: 102.625 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 181437

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.5	14.1	21.1

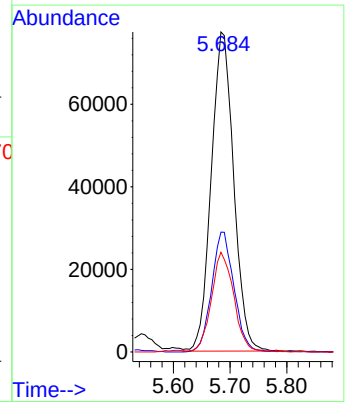


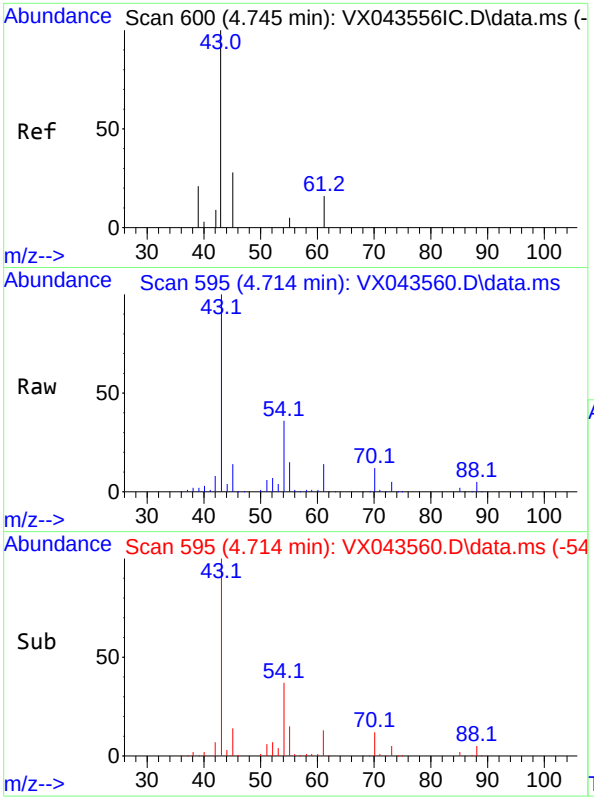


#36
1,1-Dichloropropene
Concen: 101.472 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 212326

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.9	53.7
77	31.3	25.0	37.4



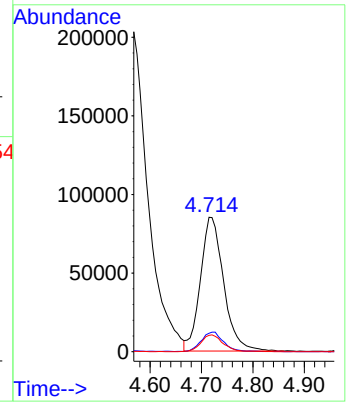


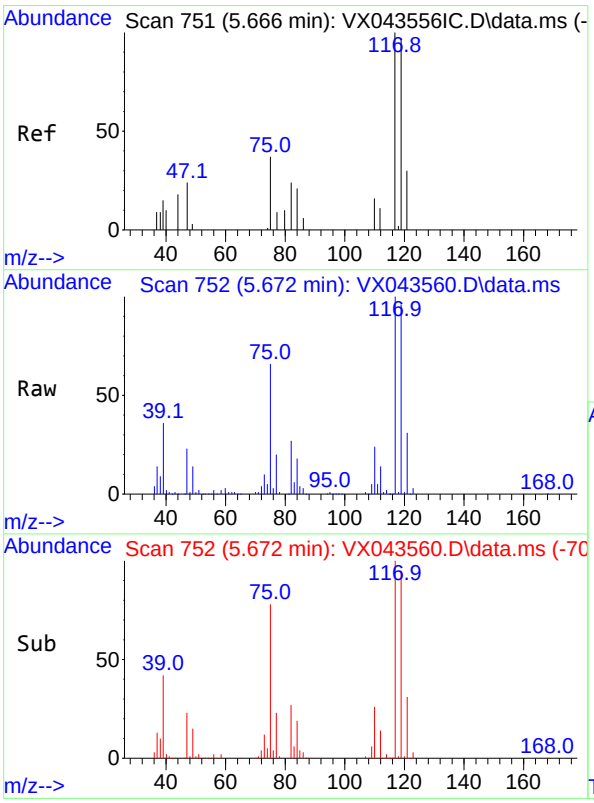
#37
Ethyl Acetate
Concen: 93.461 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 266903

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	12.0	8.9	13.3

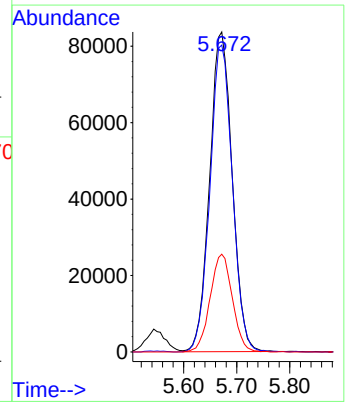


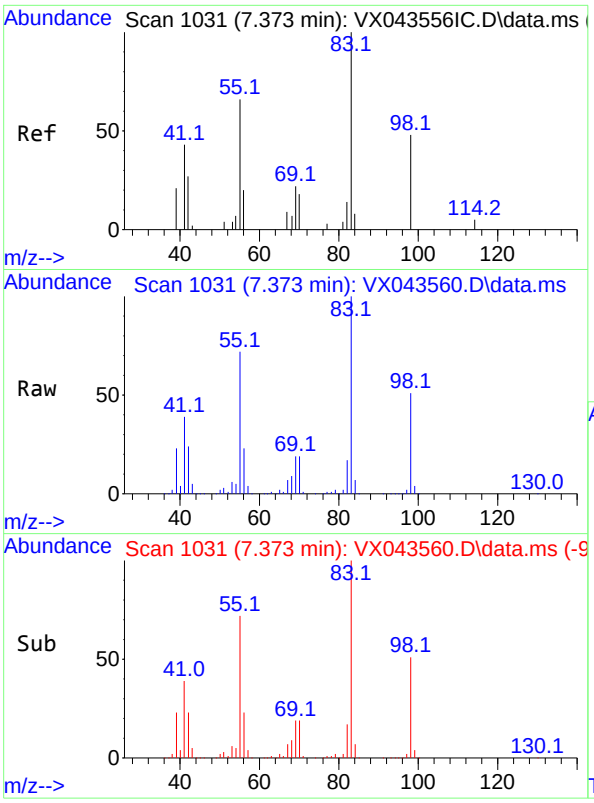


#38
Carbon Tetrachloride
Concen: 103.882 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:117 Resp: 246999

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.6
121	30.6	24.7	37.1



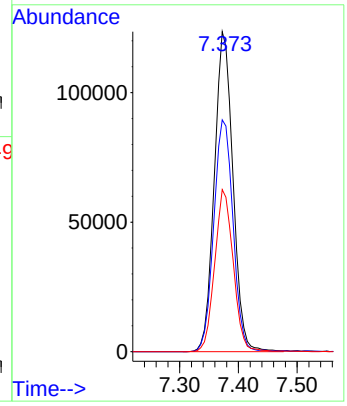


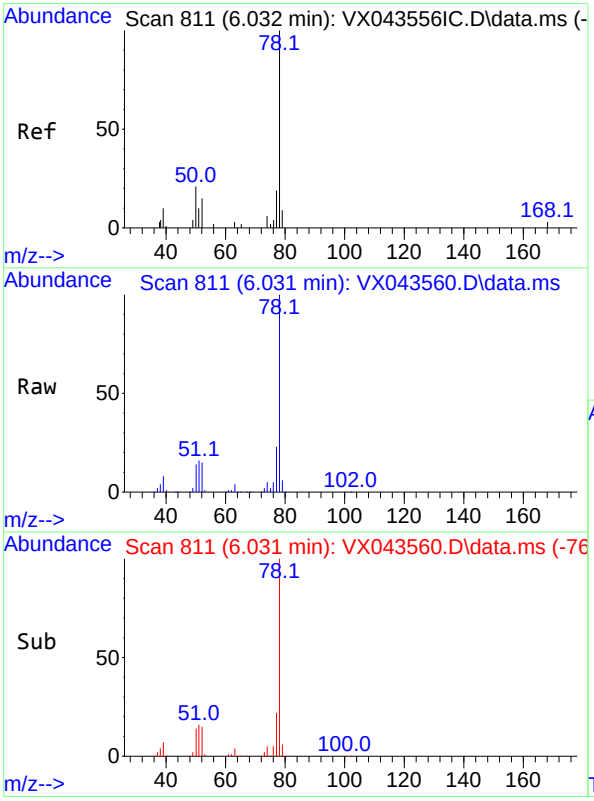
#39
Methylcyclohexane
Concen: 101.398 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 272092

Ion	Ratio	Lower	Upper
83	100		
55	72.5	59.9	89.9
98	50.7	41.3	61.9

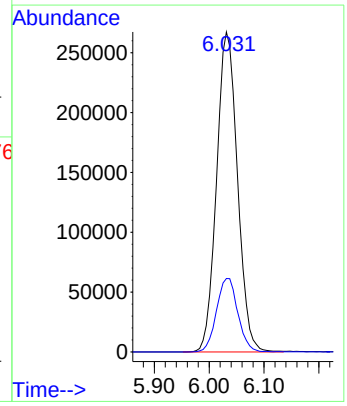


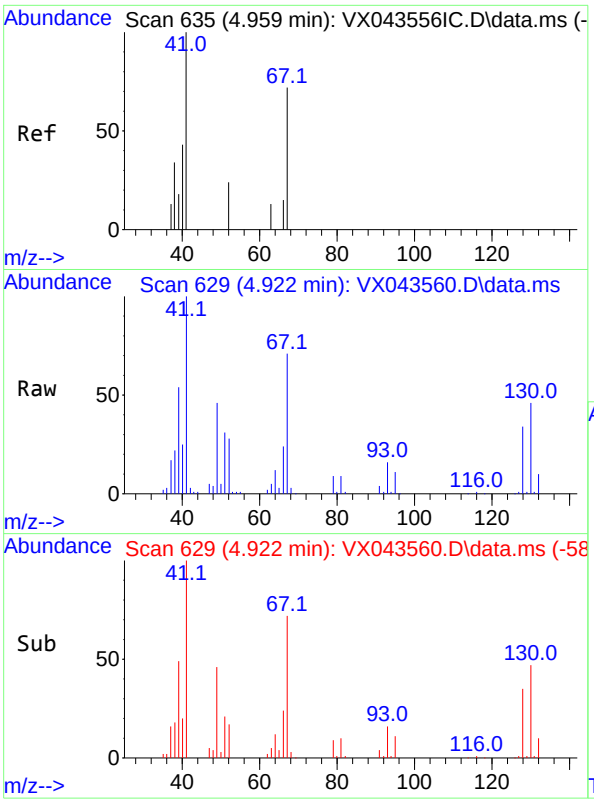


#40
Benzene
Concen: 101.161 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 78 Resp: 707594

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6



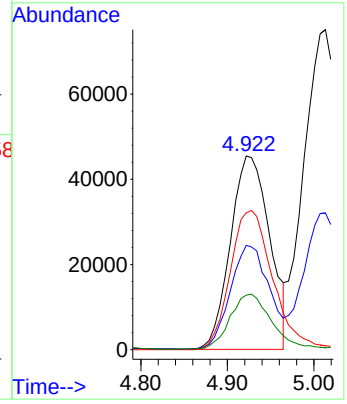


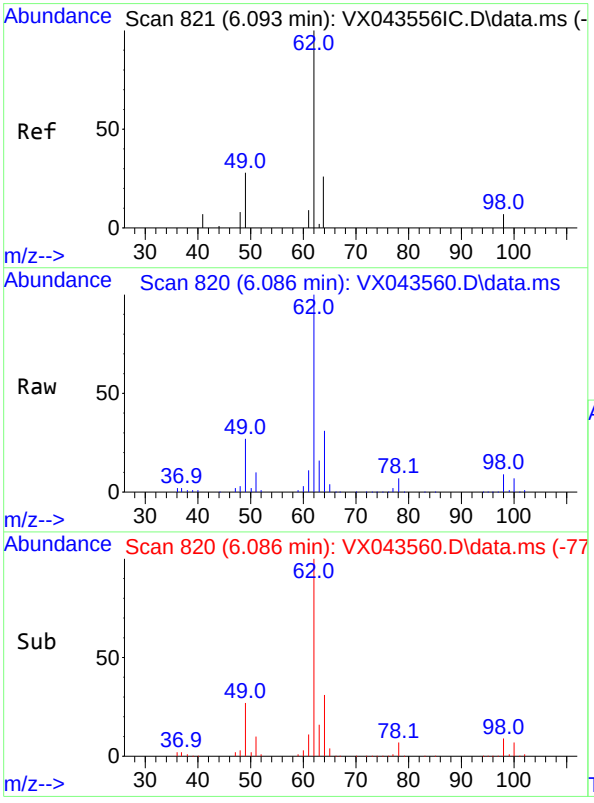
#41
Methacrylonitrile
Concen: 99.633 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 143117

Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.5	65.3
67	78.7	58.3	87.5
52	31.0	24.6	37.0

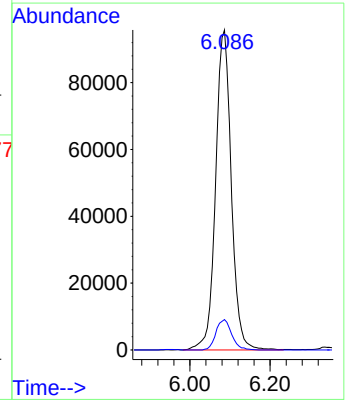


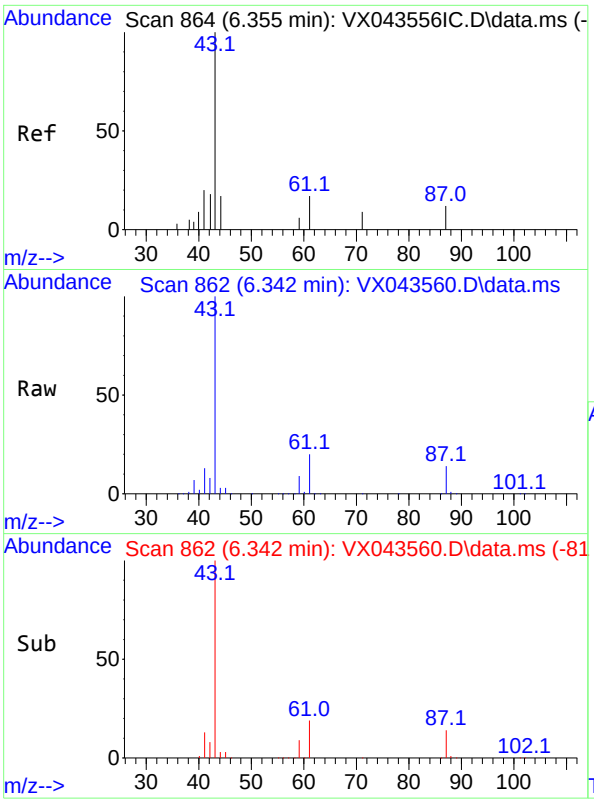


#42
1,2-Dichloroethane
Concen: 100.874 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 62 Resp: 259548

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8



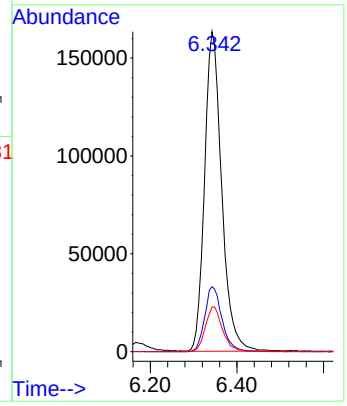


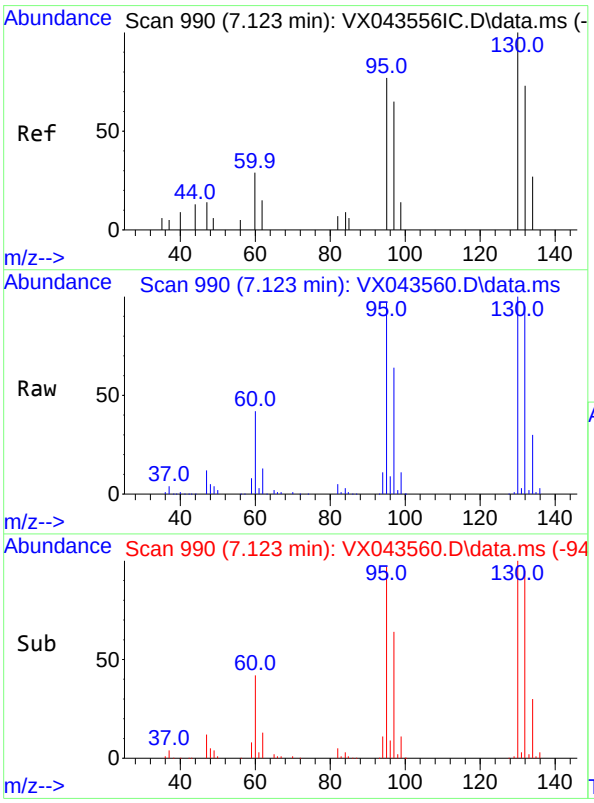
#43
Isopropyl Acetate
Concen: 99.301 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 448588

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.4
87	14.1	11.0	16.6

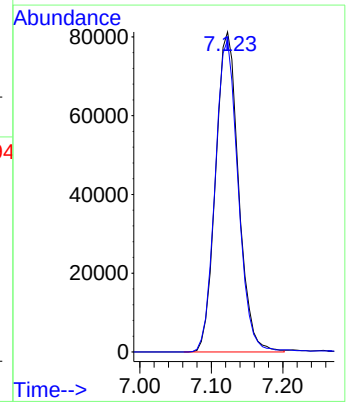


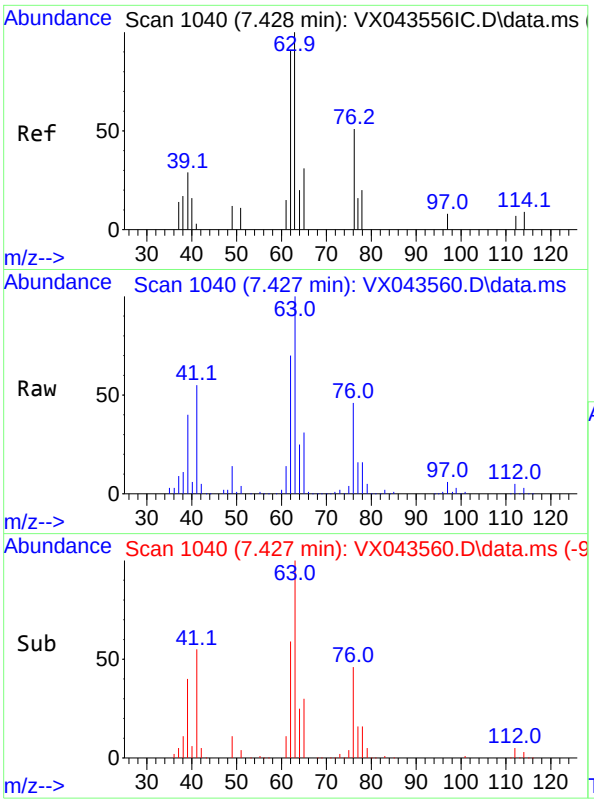


#44
Trichloroethene
Concen: 109.118 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:130 Resp: 180958

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	202.6



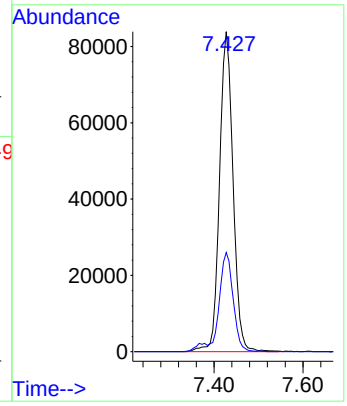


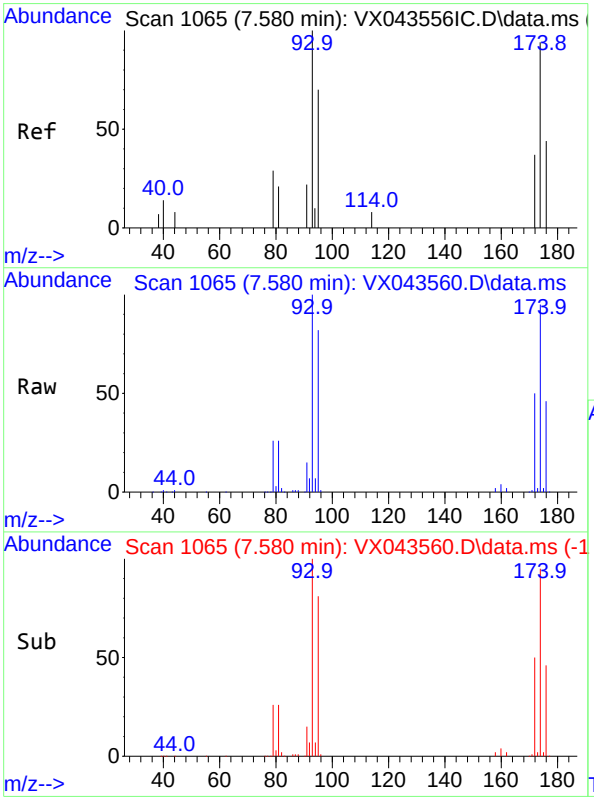
#45
1,2-Dichloropropane
Concen: 103.475 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 176748

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.5	36.7

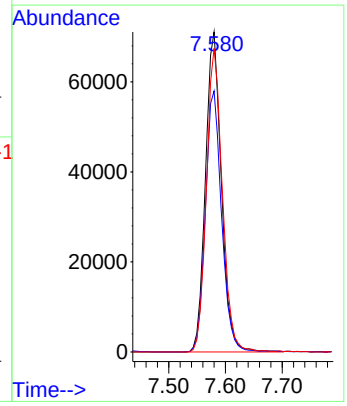


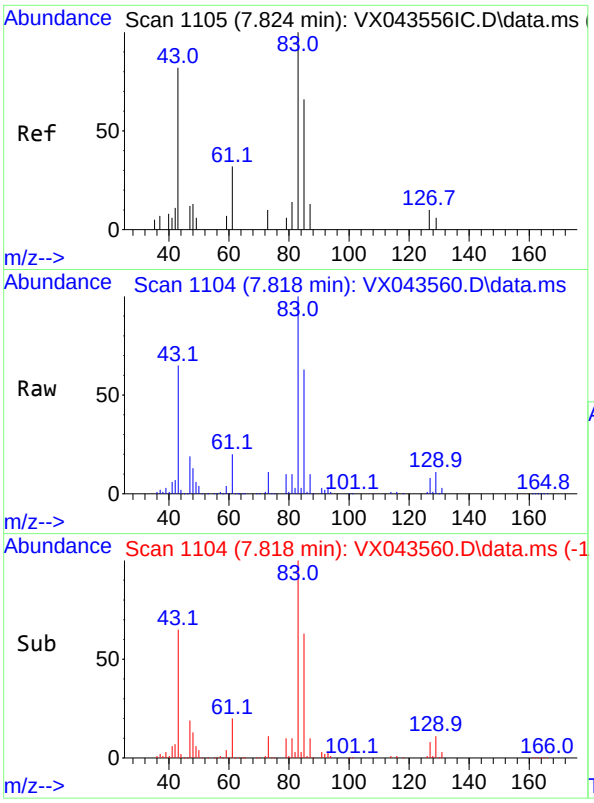


#46
Dibromomethane
Concen: 105.836 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 93 Resp: 138874

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	94.9	75.0	112.4



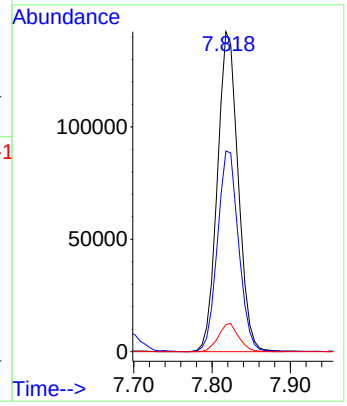


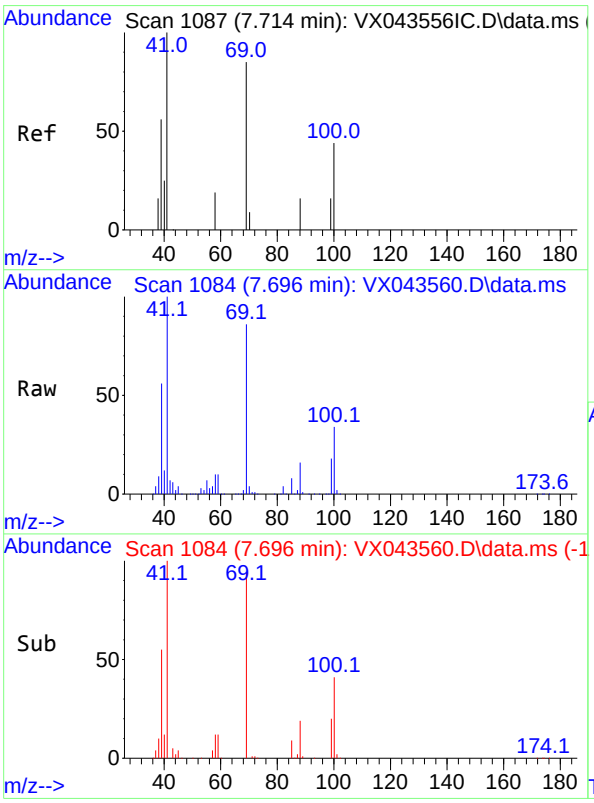
#47
Bromodichloromethane
Concen: 112.832 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 262652

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.4
127	8.5	7.1	10.7

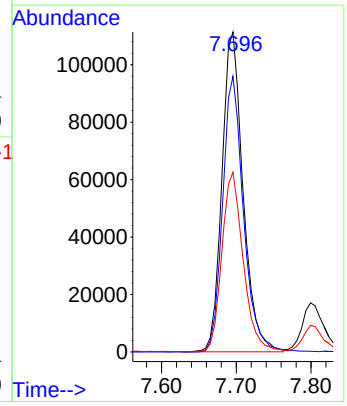


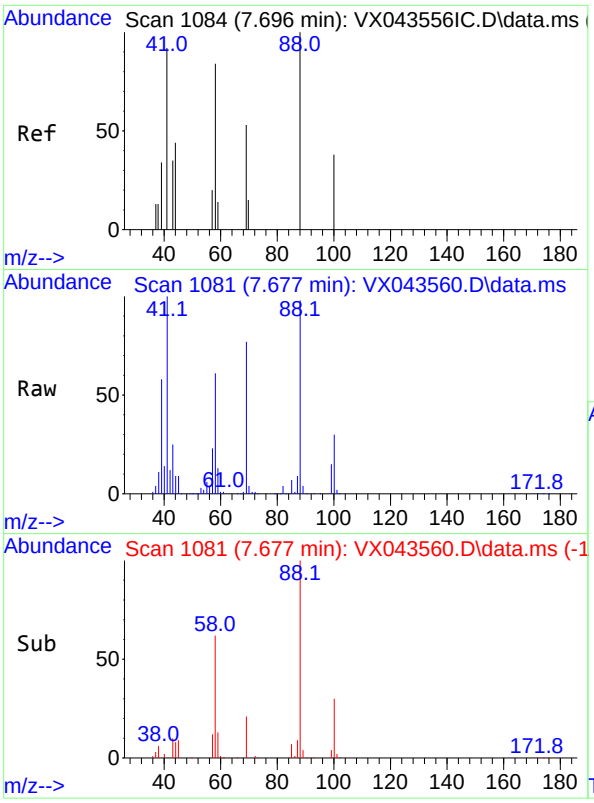


#48
Methyl methacrylate
Concen: 103.744 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 41 Resp: 218800

Ion	Ratio	Lower	Upper
41	100		
69	85.5	67.7	101.5
39	56.6	46.3	69.5



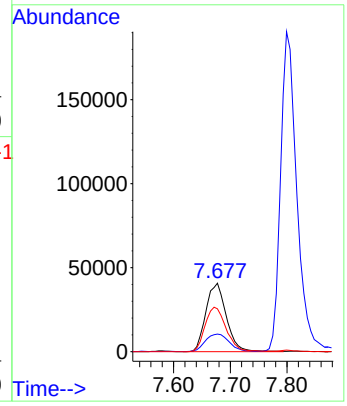


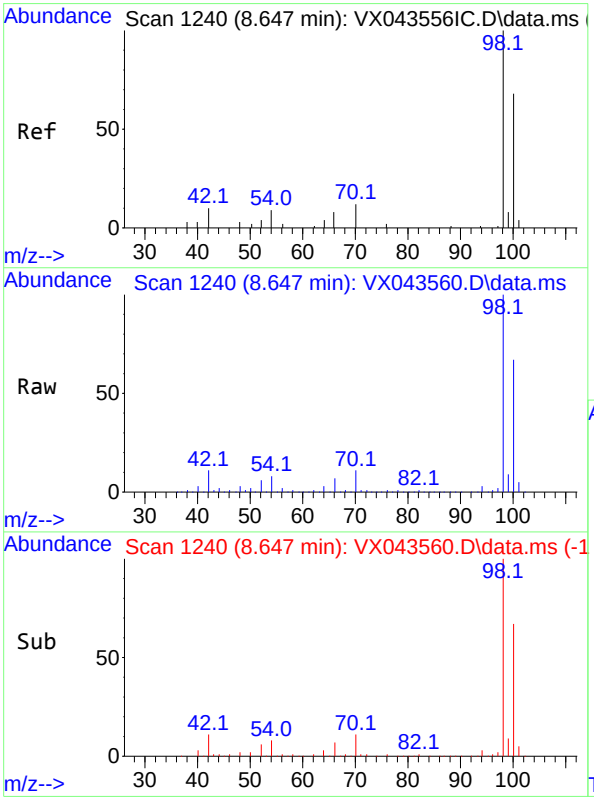
#49
1,4-Dioxane
Concen: 1885.231 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 102152

Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.3	37.9
58	66.9	53.9	80.9

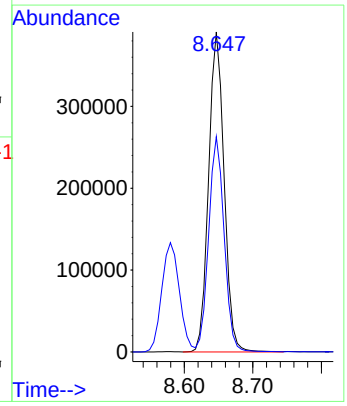


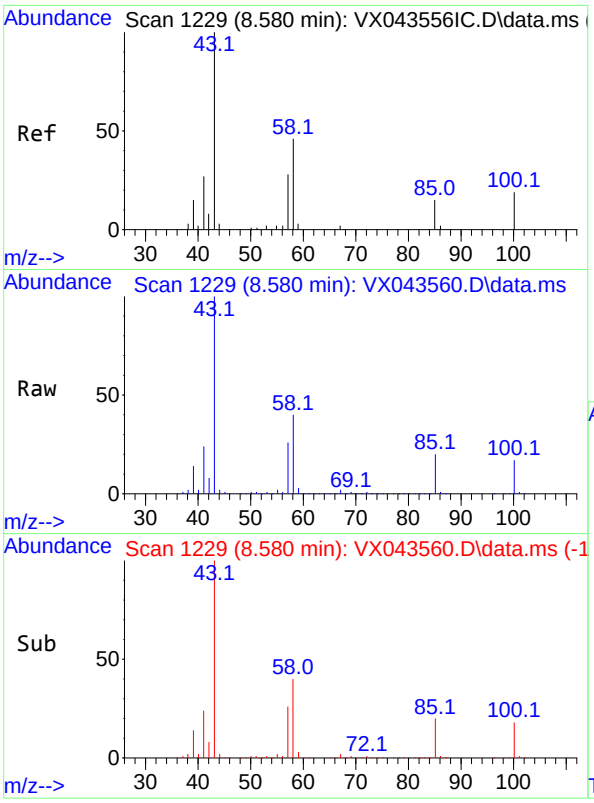


#50
Toluene-d8
Concen: 100.391 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 98 Resp: 615421

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2



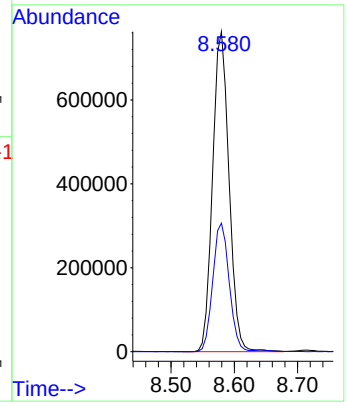


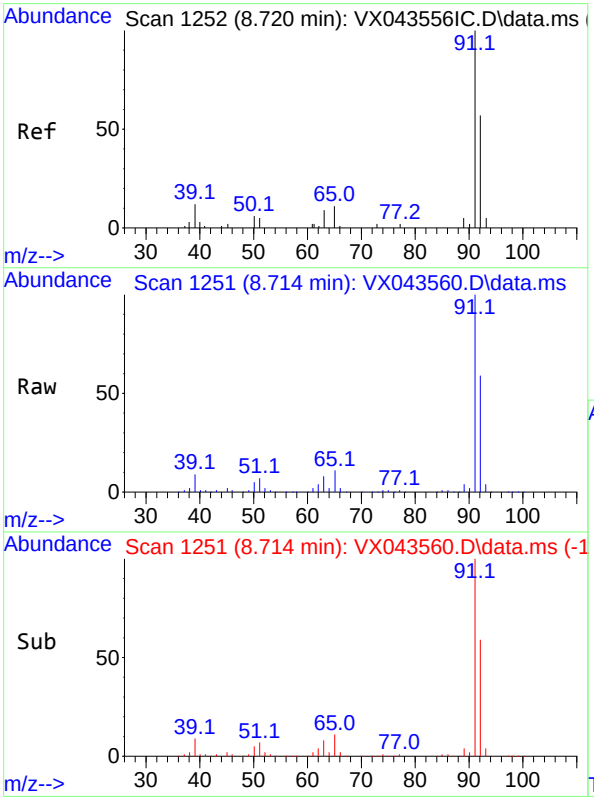
#51
4-Methyl-2-Pentanone
Concen: 480.107 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1374233

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.7	47.5

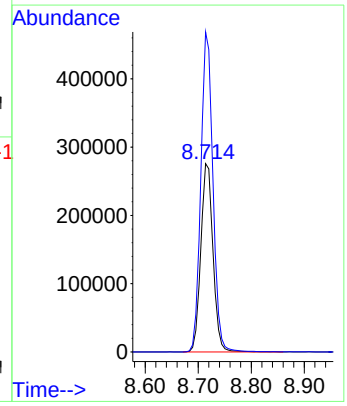


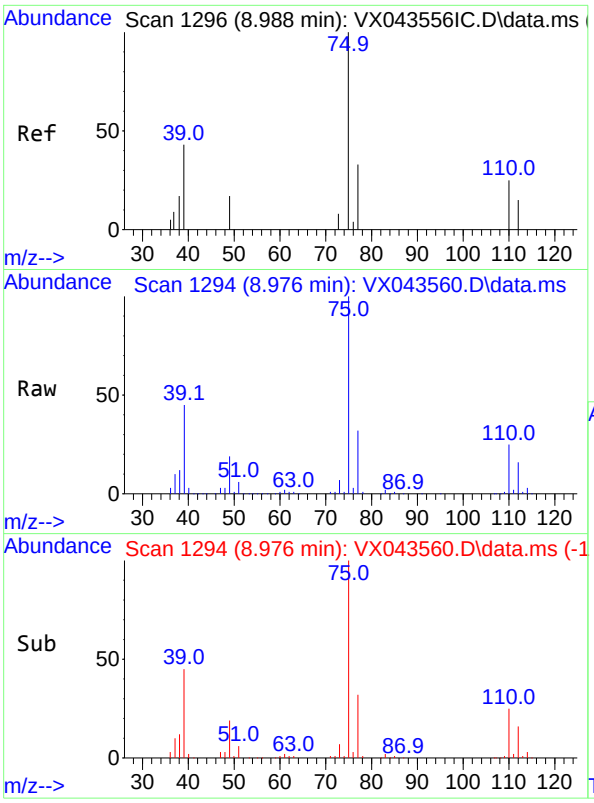


#52
Toluene
Concen: 102.334 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 92 Resp: 441311

Ion	Ratio	Lower	Upper
92	100		
91	168.5	135.7	203.5



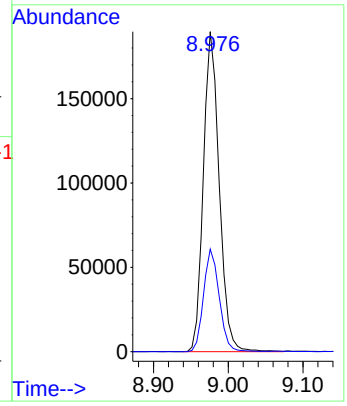


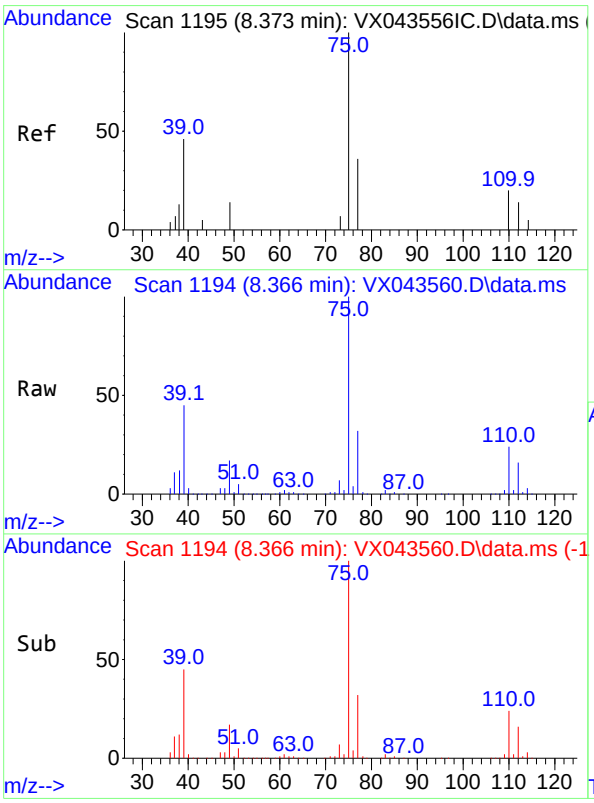
#53
t-1,3-Dichloropropene
Concen: 118.617 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 279431

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0

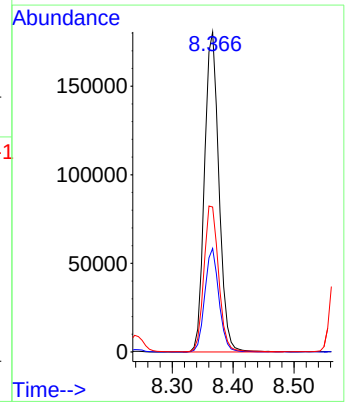


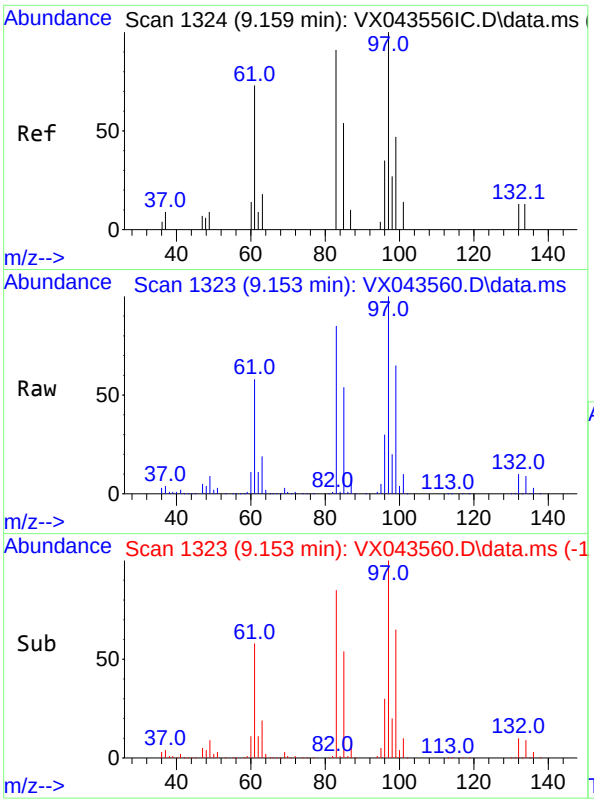


#54
cis-1,3-Dichloropropene
Concen: 114.982 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 297464

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2
39	45.2	37.7	56.5



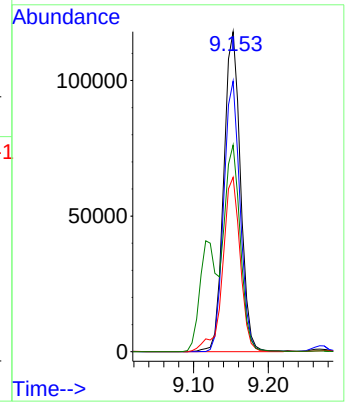


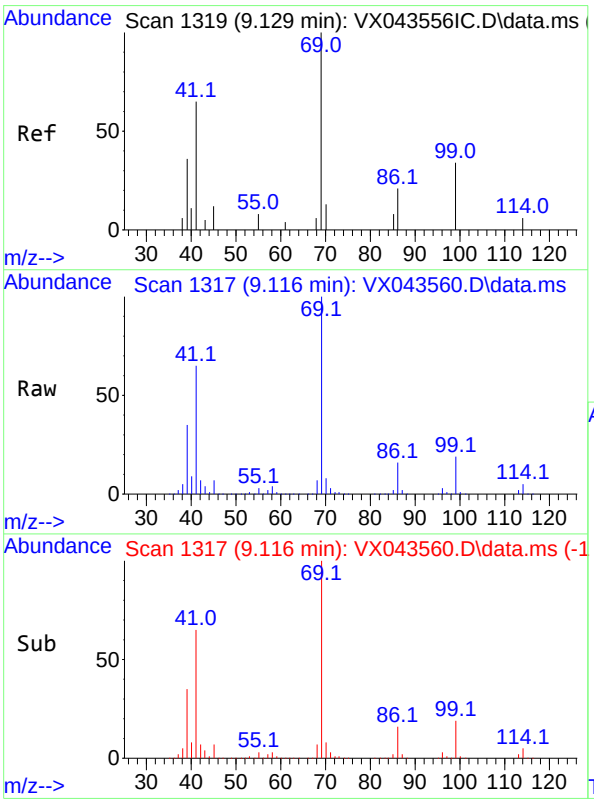
#55
1,1,2-Trichloroethane
Concen: 100.657 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 183182

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.3	100.9
85	54.5	43.6	65.4
99	64.5	50.6	75.8

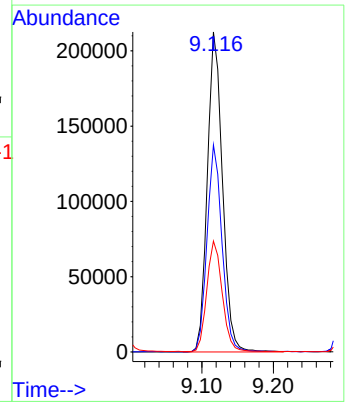


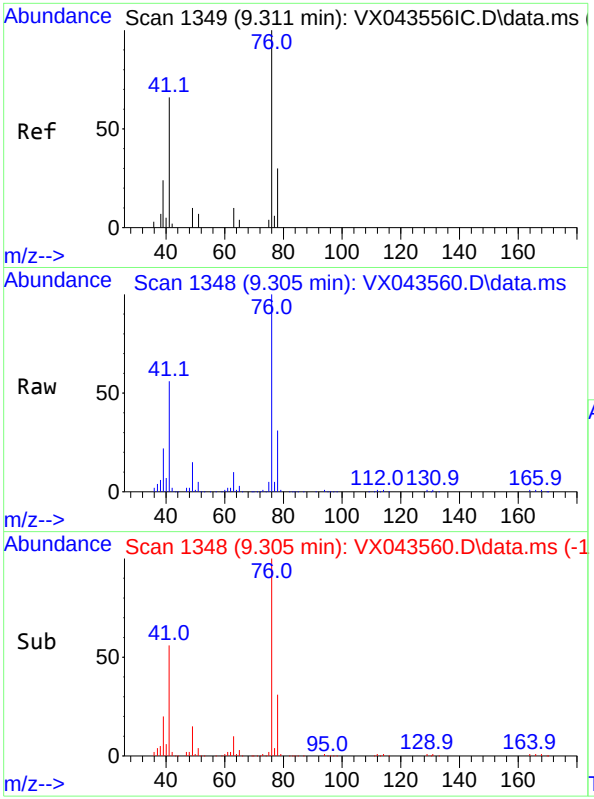


#56
Ethyl methacrylate
Concen: 106.248 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 69 Resp: 312479

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.8	80.8
39	35.5	29.9	44.9



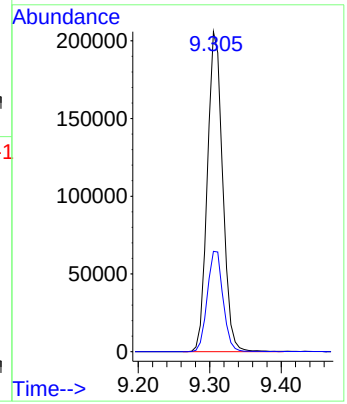


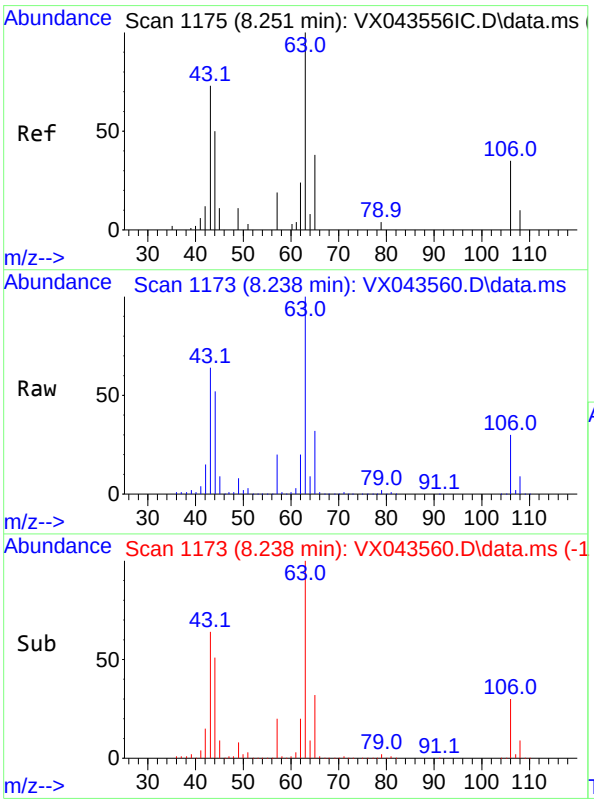
#57
1,3-Dichloropropane
Concen: 101.720 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 305650

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

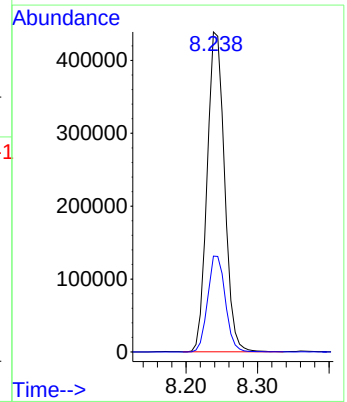


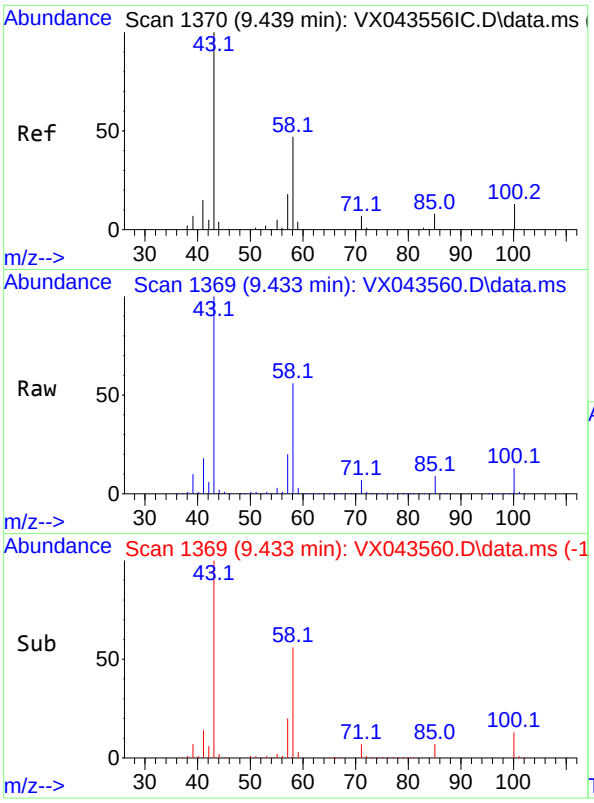


#58
2-Chloroethyl Vinyl ether
Concen: 512.729 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 63 Resp: 741765

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4



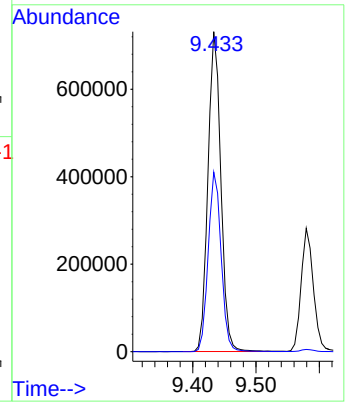


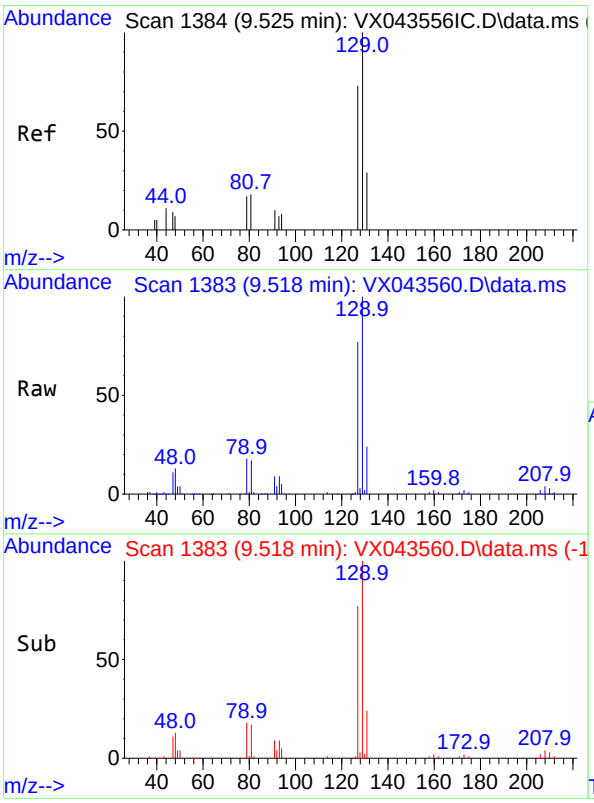
#59
2-Hexanone
Concen: 480.496 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1039956

Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.5	82.5

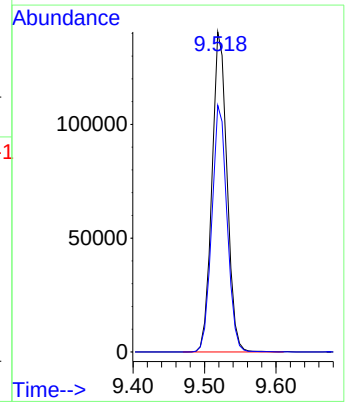


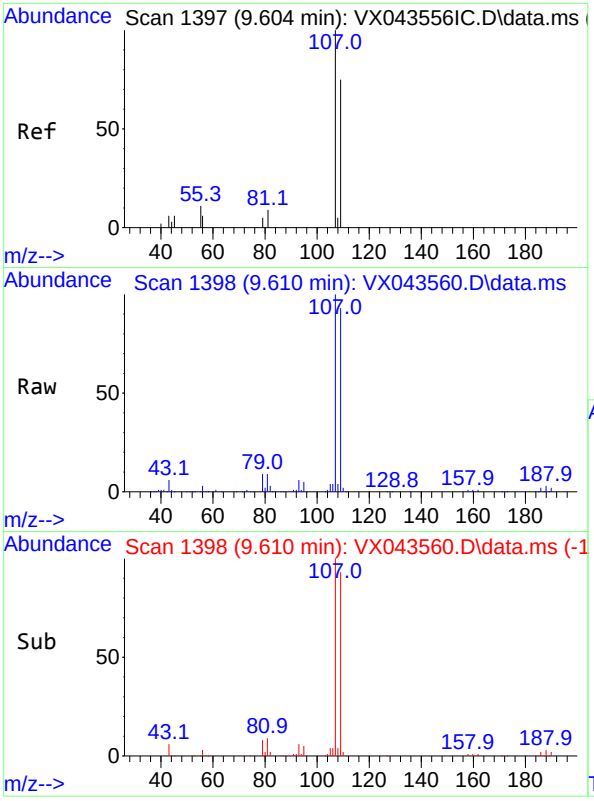


#60
Dibromochloromethane
Concen: 120.749 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:129 Resp: 205615

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1



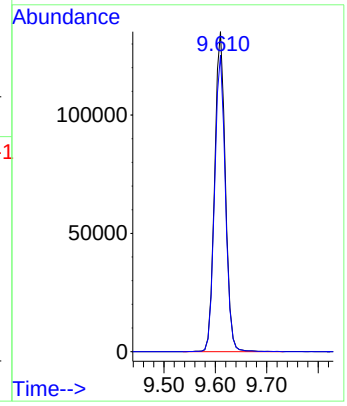


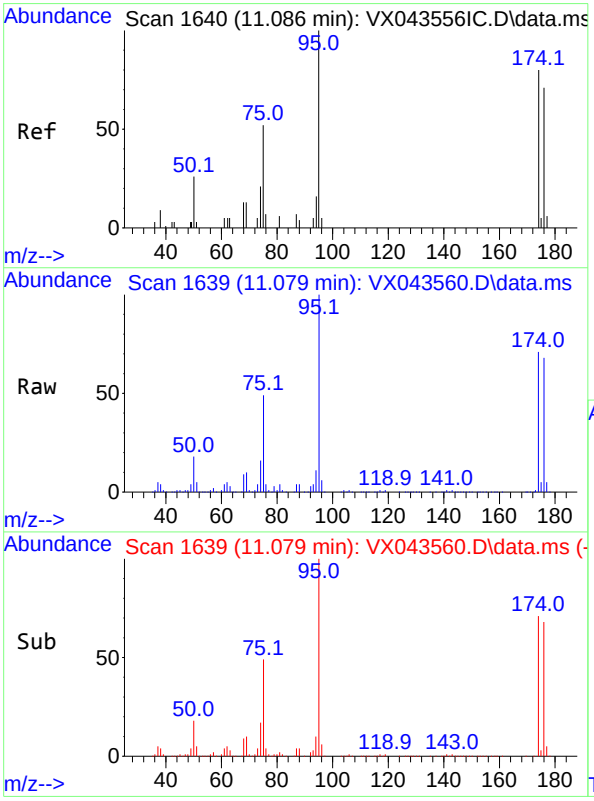
#61
1,2-Dibromoethane
Concen: 106.844 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 196009

Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.1	115.7

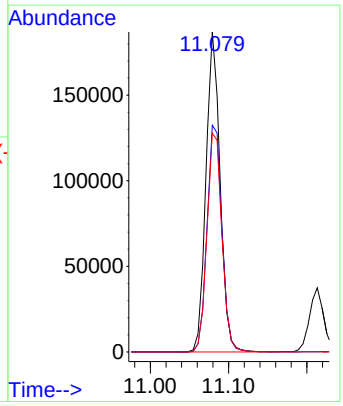


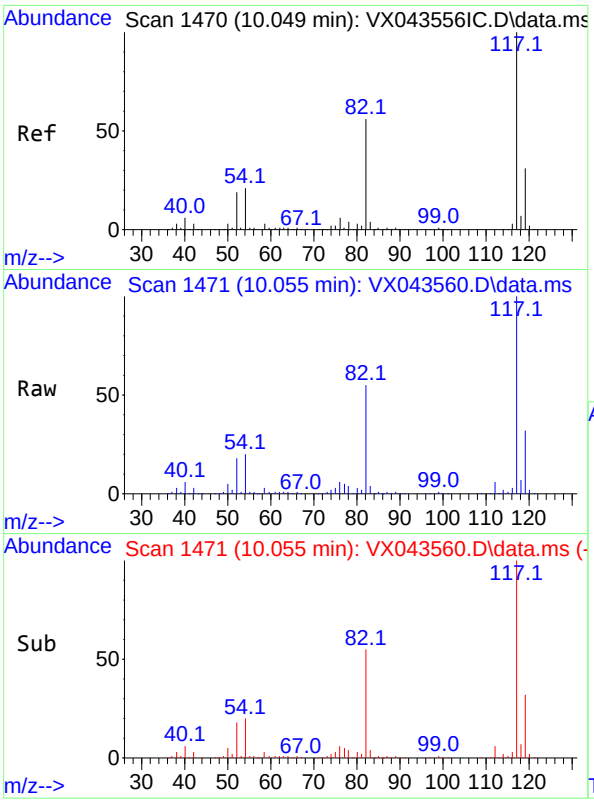


#62
4-Bromofluorobenzene
Concen: 104.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 95 Resp: 233193

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	146.6
176	72.5	0.0	139.6



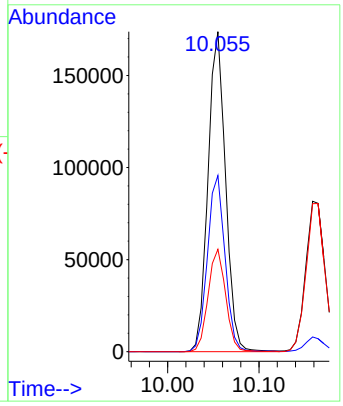


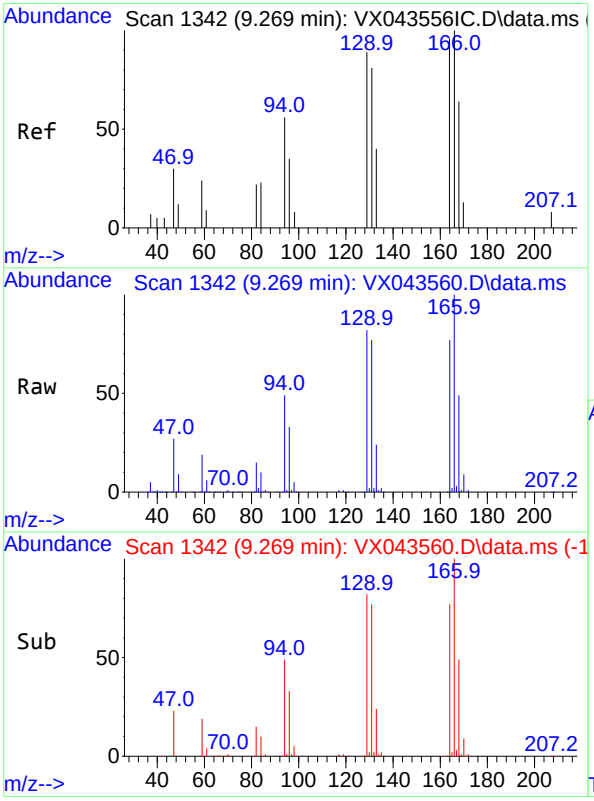
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 230783

Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.1	63.1
119	32.0	25.4	38.2

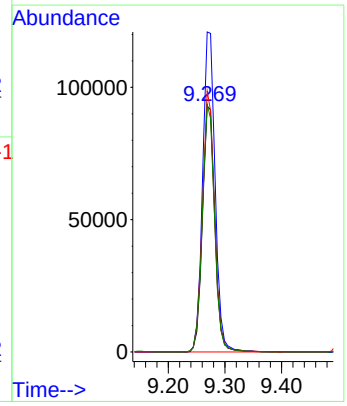


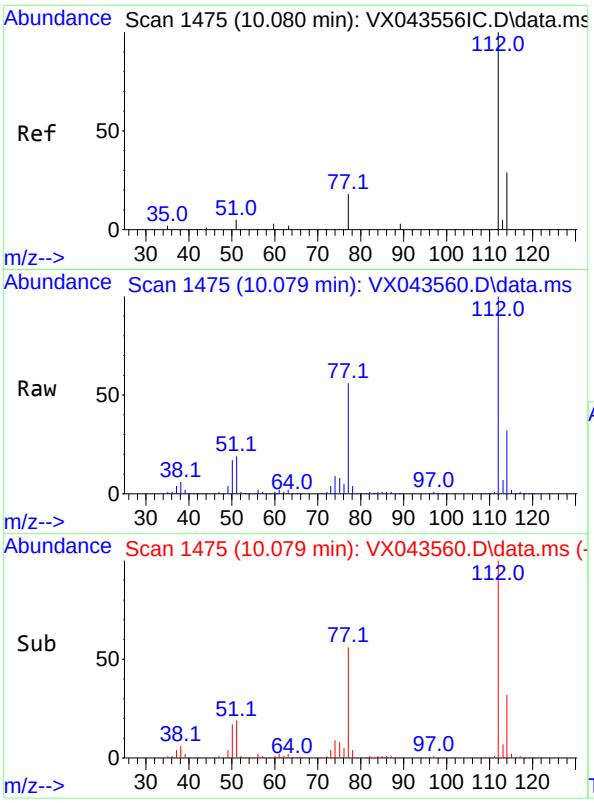


#64
Tetrachloroethene
Concen: 98.420 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:164 Resp: 142187

Ion	Ratio	Lower	Upper
164	100		
166	130.2	103.8	155.6
129	106.2	83.8	125.6
131	100.7	80.6	121.0



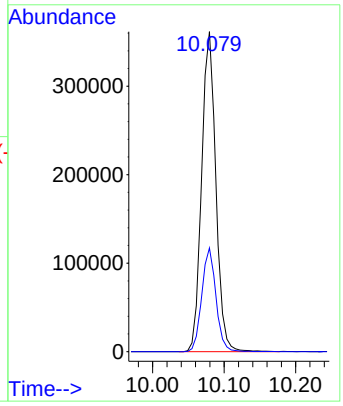


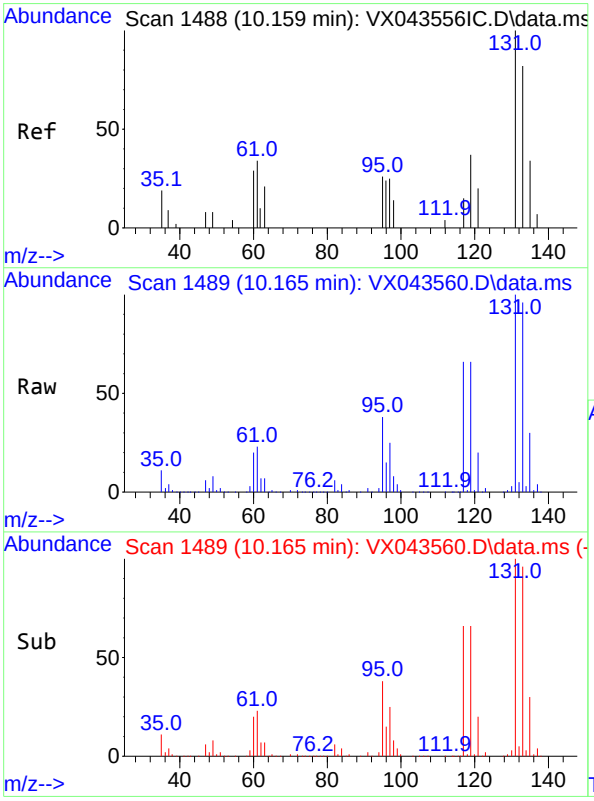
#65
Chlorobenzene
Concen: 103.935 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 498984

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6

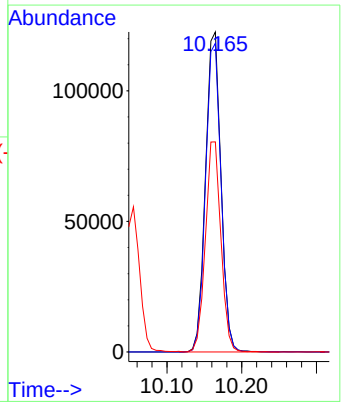


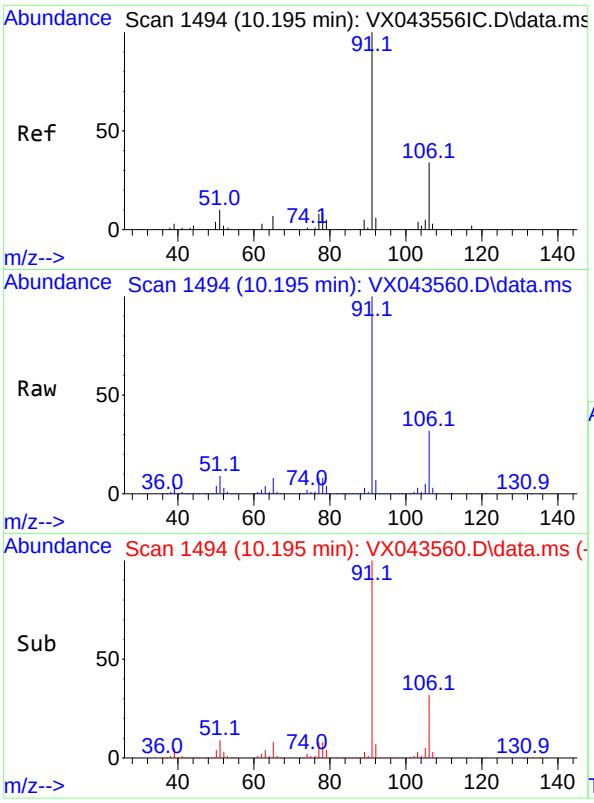


#66
1,1,1,2-Tetrachloroethane
Concen: 108.478 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:131 Resp: 175902

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	65.9	32.3	96.9



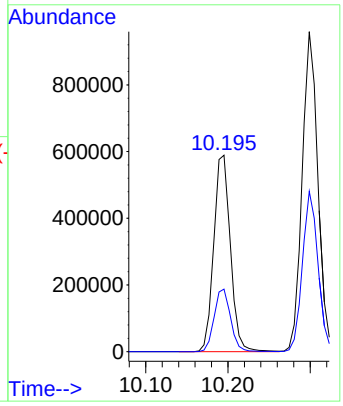


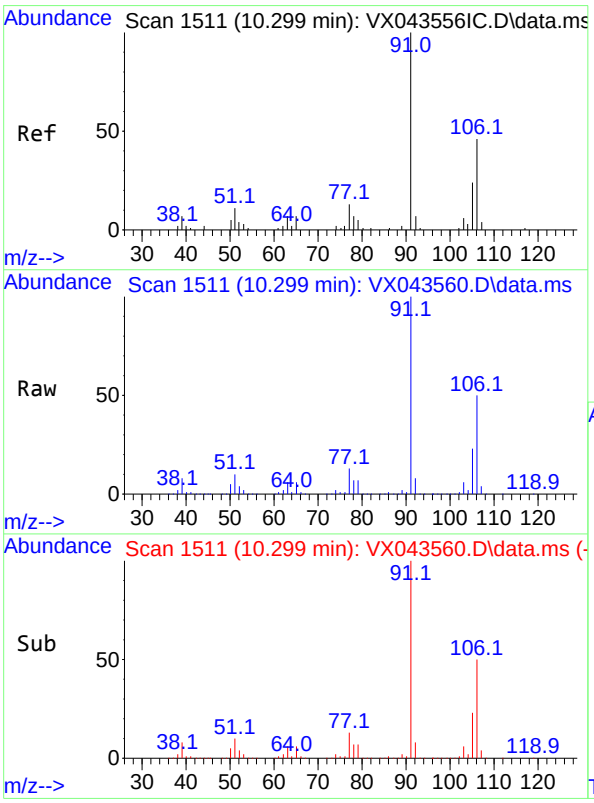
#67
Ethyl Benzene
Concen: 103.708 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 828264

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.4	38.2

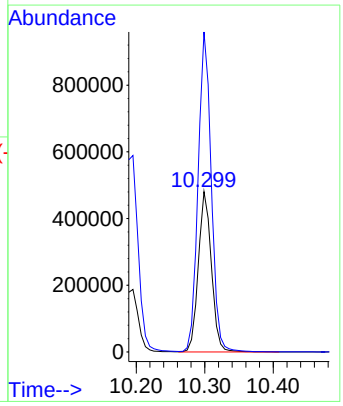


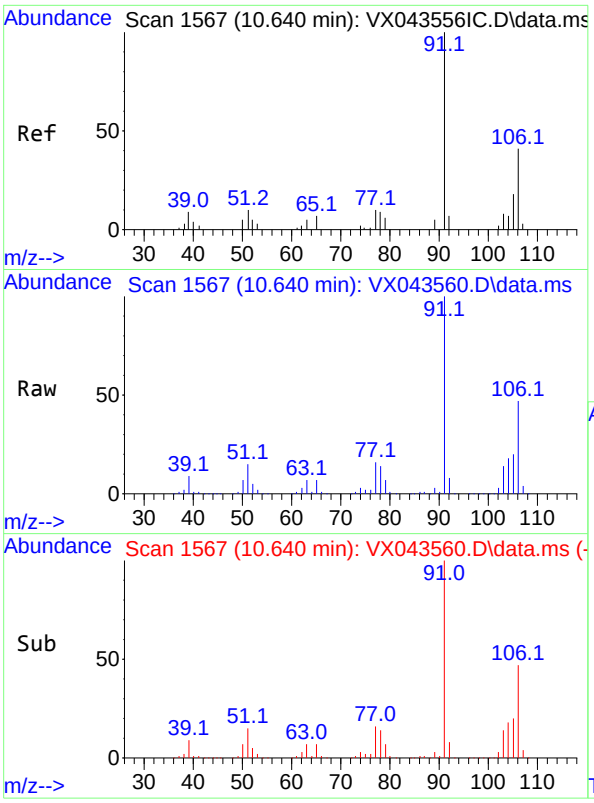


#68
m/p-Xylenes
Concen: 210.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:106 Resp: 638308

Ion	Ratio	Lower	Upper
106	100		
91	201.0	164.7	247.1



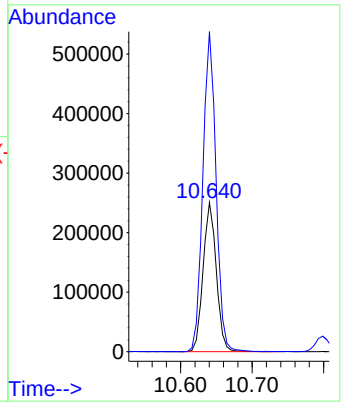


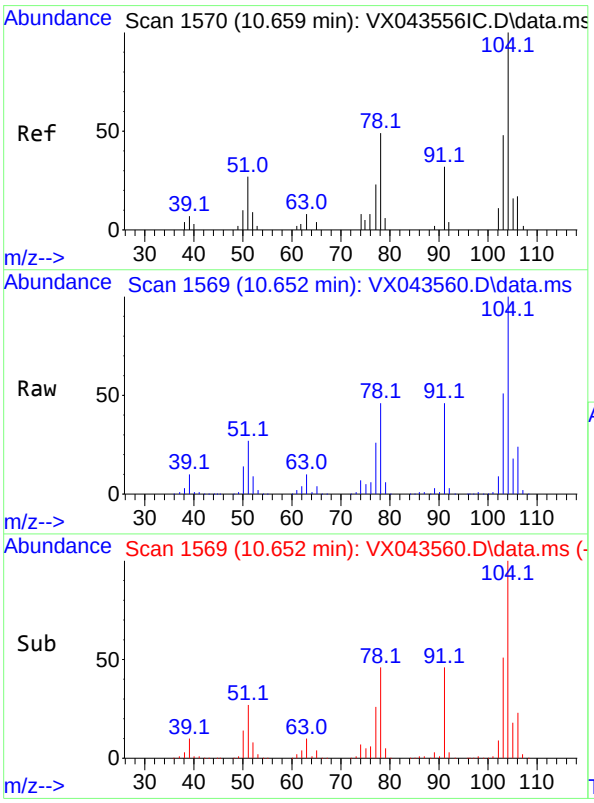
#69
o-Xylene
Concen: 103.533 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 322030

Ion	Ratio	Lower	Upper
106	100		
91	213.2	107.9	323.7

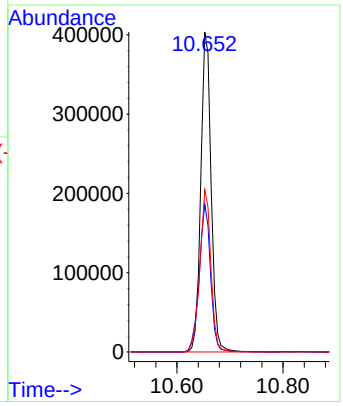


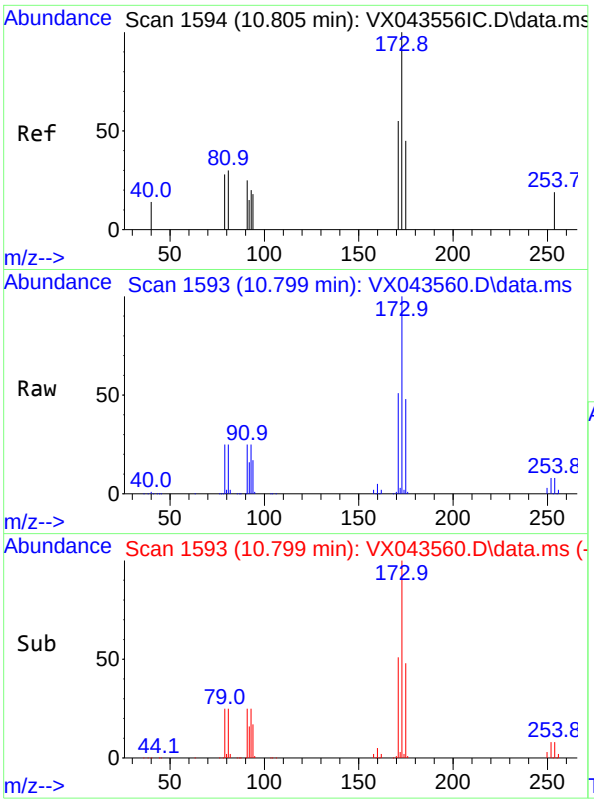


#70
Styrene
Concen: 108.997 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:104 Resp: 548708

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.0	60.0
103	54.4	43.4	65.0



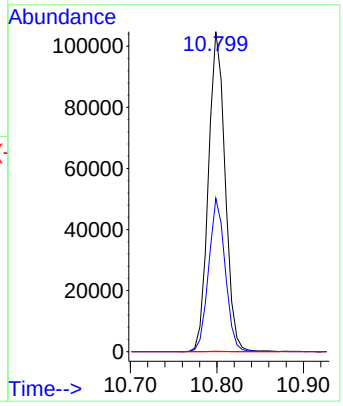


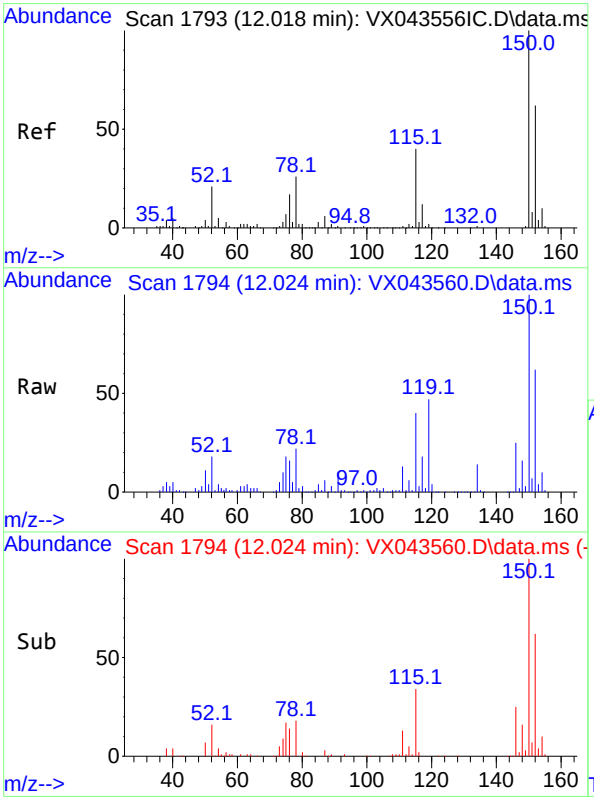
#71
Bromoform
Concen: 128.340 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 140298

Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.3	69.9
254	0.1	0.0	0.0#

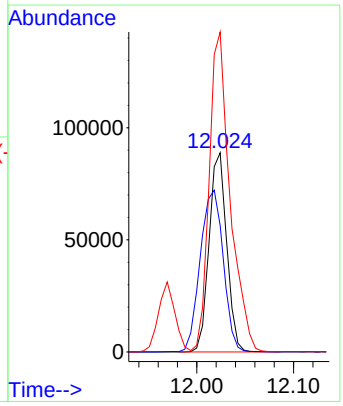


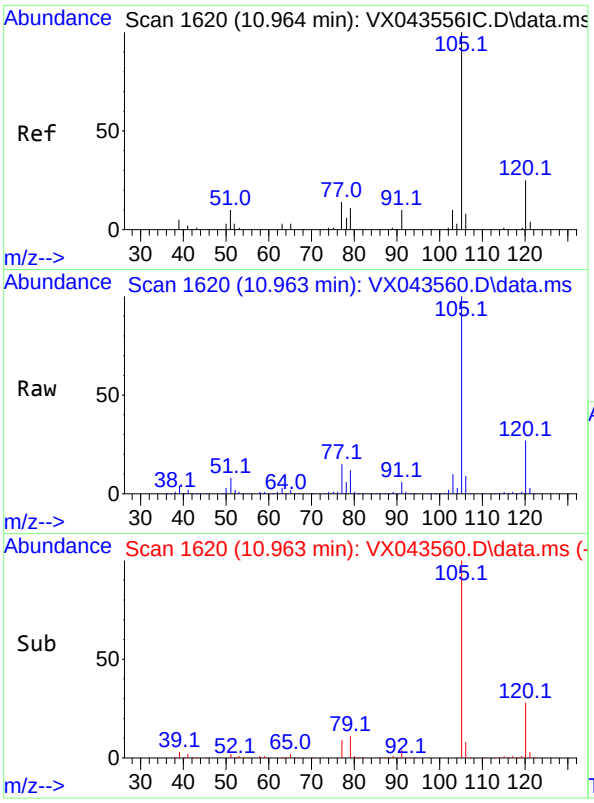


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:152 Resp: 112136

Ion	Ratio	Lower	Upper
152	100		
115	106.8	42.9	128.7
150	190.4	0.0	343.6



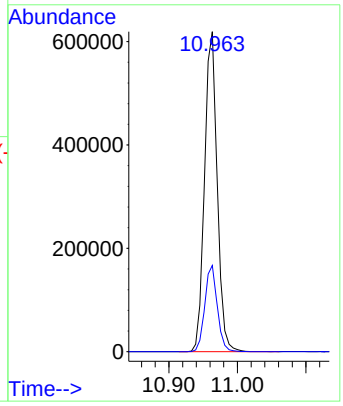


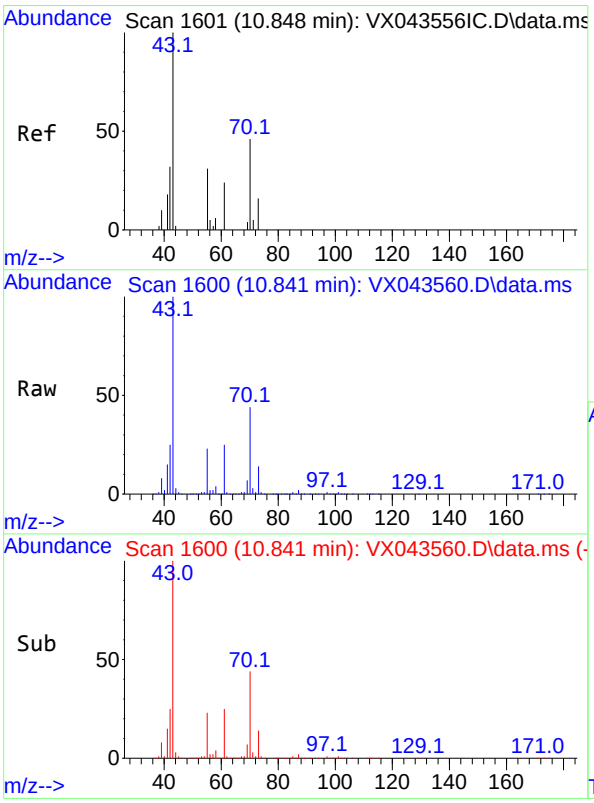
#73
Isopropylbenzene
Concen: 99.313 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 796019

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

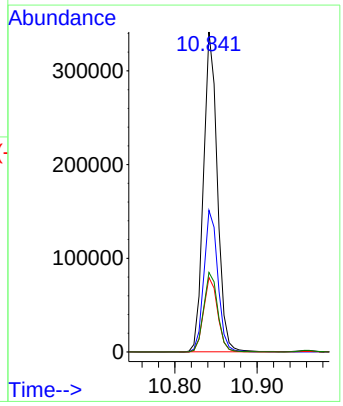


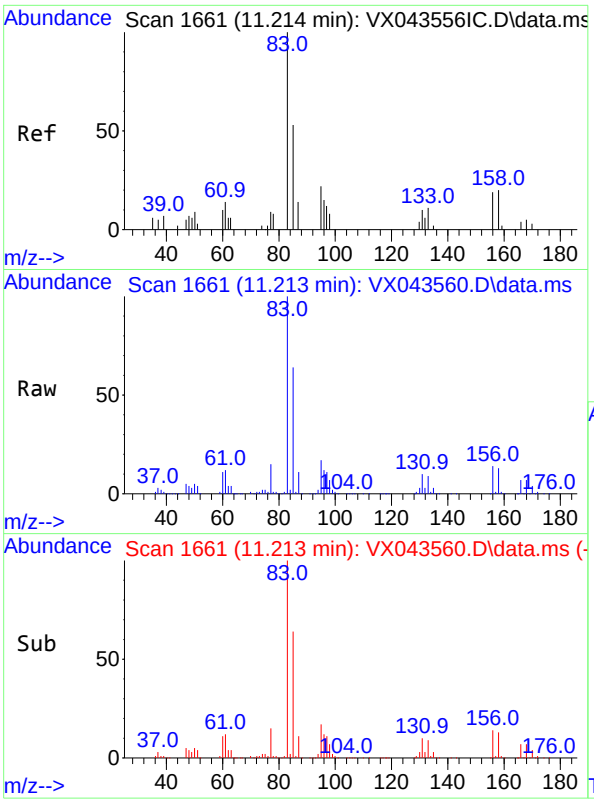


#74
N-amyl acetate
Concen: 98.808 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 43 Resp: 398918

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.6	52.0
55	23.8	19.6	29.4
61	25.4	20.2	30.2



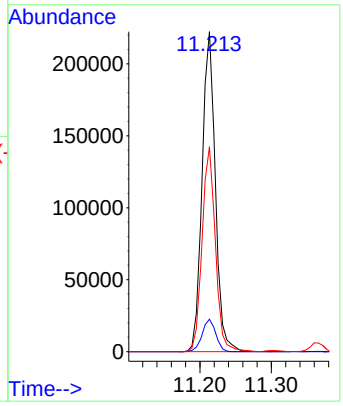


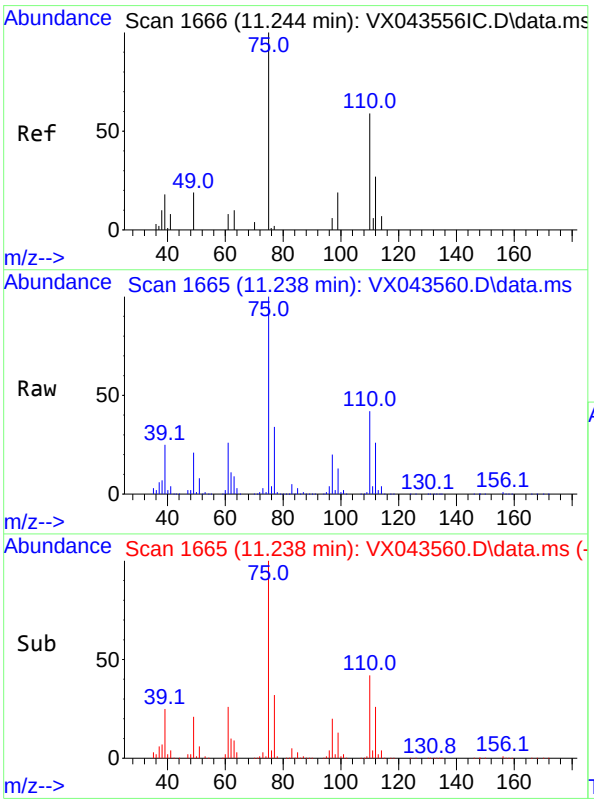
#75
1,1,2,2-Tetrachloroethane
Concen: 93.228 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 286258

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.2	32.4	97.0

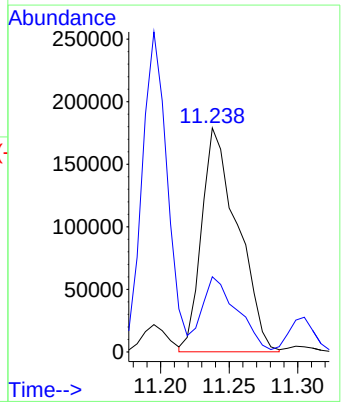


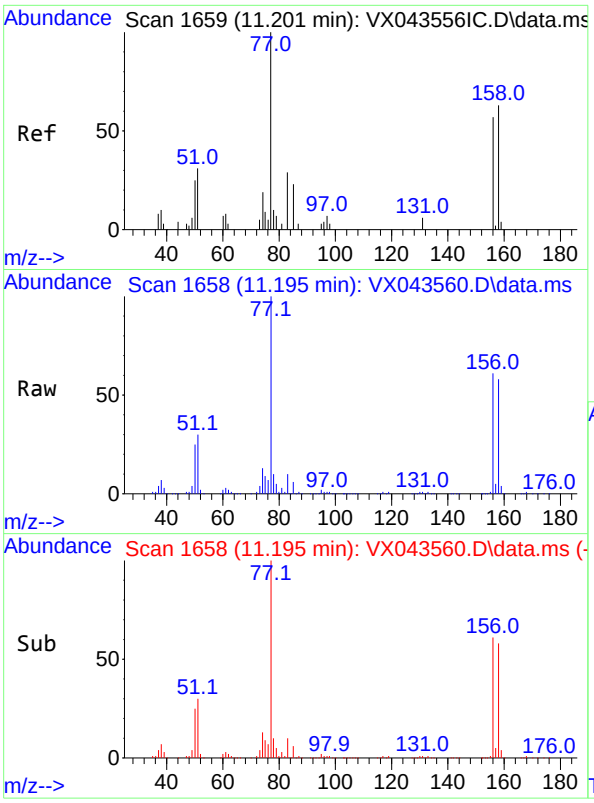


#76
1,2,3-Trichloropropane
Concen: 125.527 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 327228

Ion	Ratio	Lower	Upper
75	100		
77	32.9	22.4	67.2



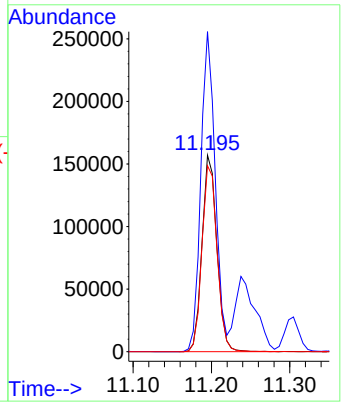


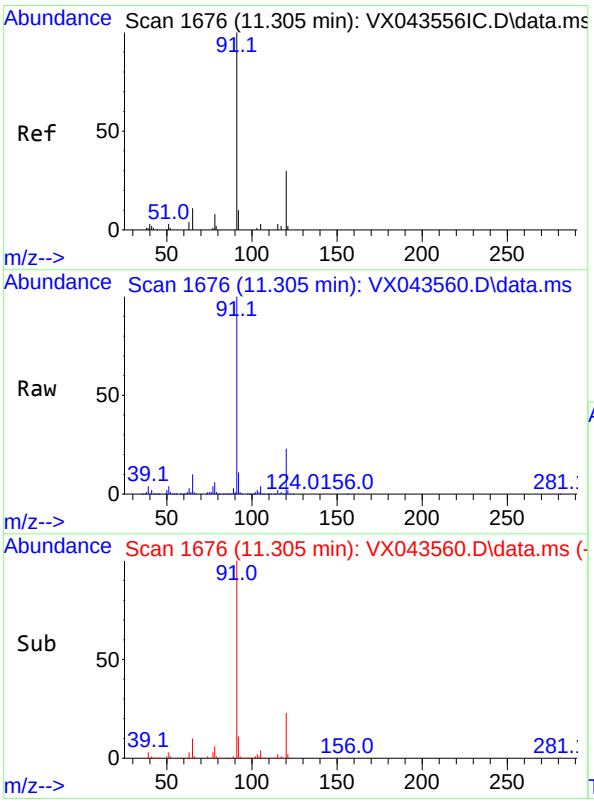
#77
Bromobenzene
Concen: 101.054 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 206774

Ion	Ratio	Lower	Upper
156	100		
77	157.6	79.7	239.1
158	96.6	48.0	144.0

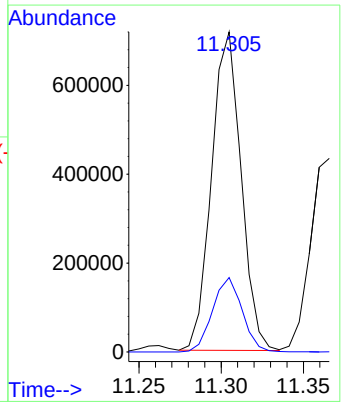


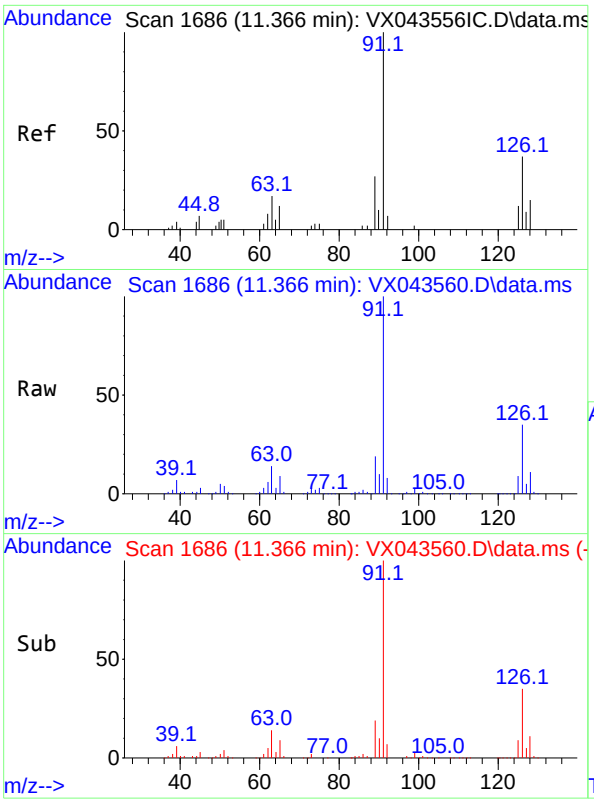


#78
n-propylbenzene
Concen: 104.676 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 91 Resp: 894162

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.7



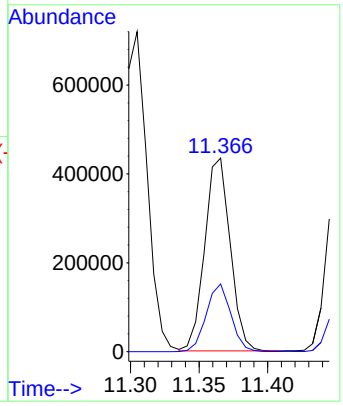


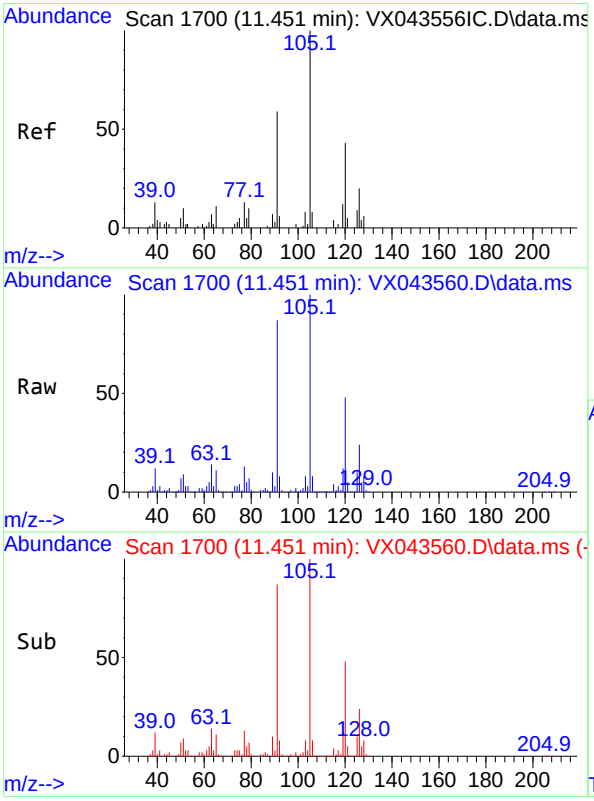
#79
2-Chlorotoluene
Concen: 97.800 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 560554

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0

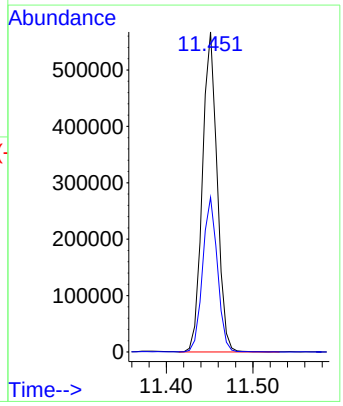


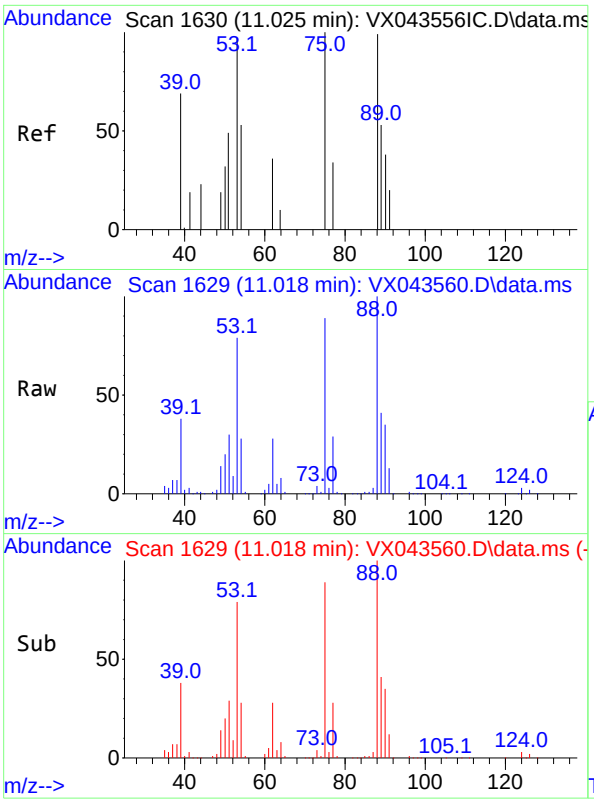


#80
1,3,5-Trimethylbenzene
Concen: 100.572 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 669305

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.5



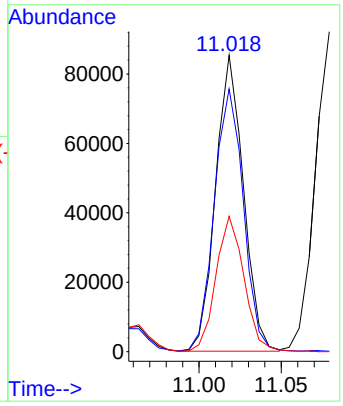


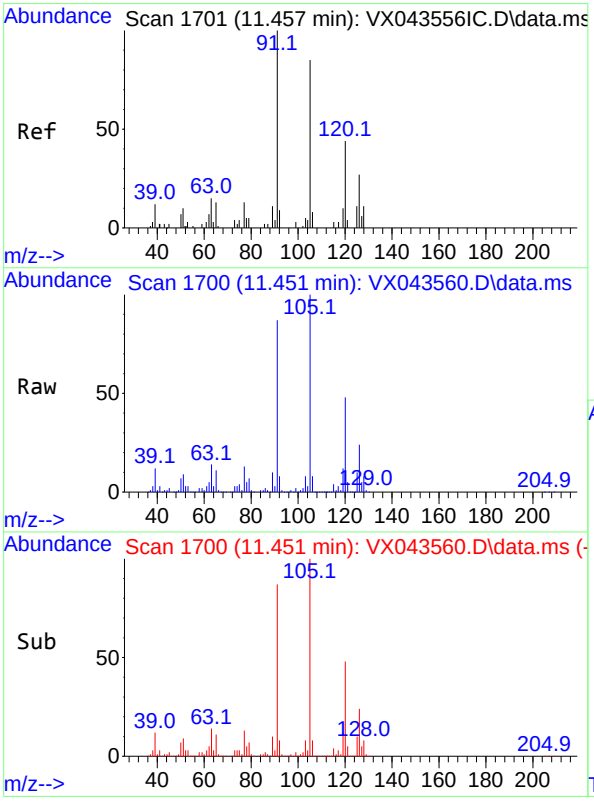
#81
trans-1,4-Dichloro-2-butene
Concen: 117.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 100171

Ion	Ratio	Lower	Upper
75	100		
53	92.6	84.6	126.8
89	46.4	38.6	58.0

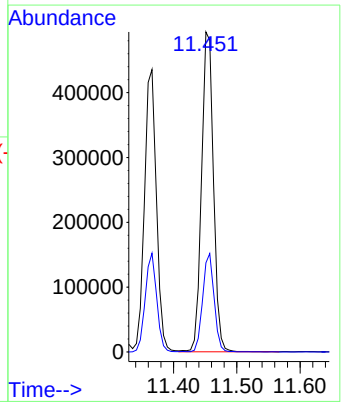


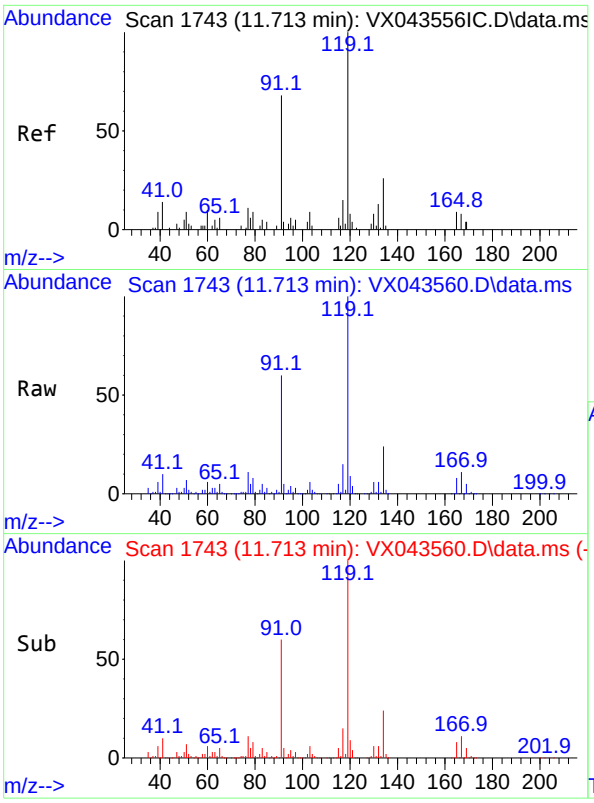


#82
4-Chlorotoluene
Concen: 102.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 91 Resp: 647524

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.8



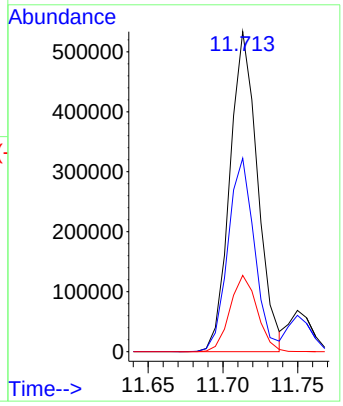


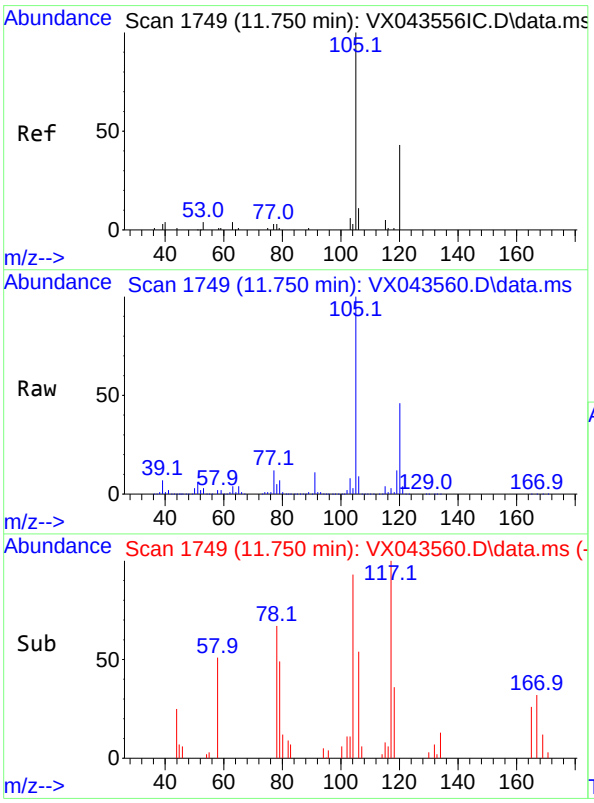
#83
tert-Butylbenzene
Concen: 101.376 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 688015

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.5	88.5
134	23.4	11.8	35.3

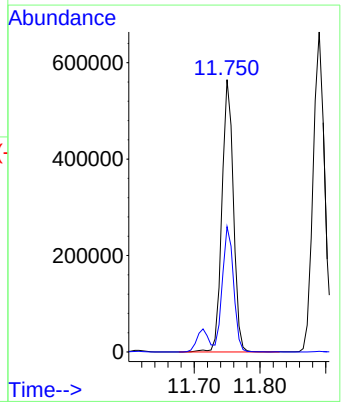


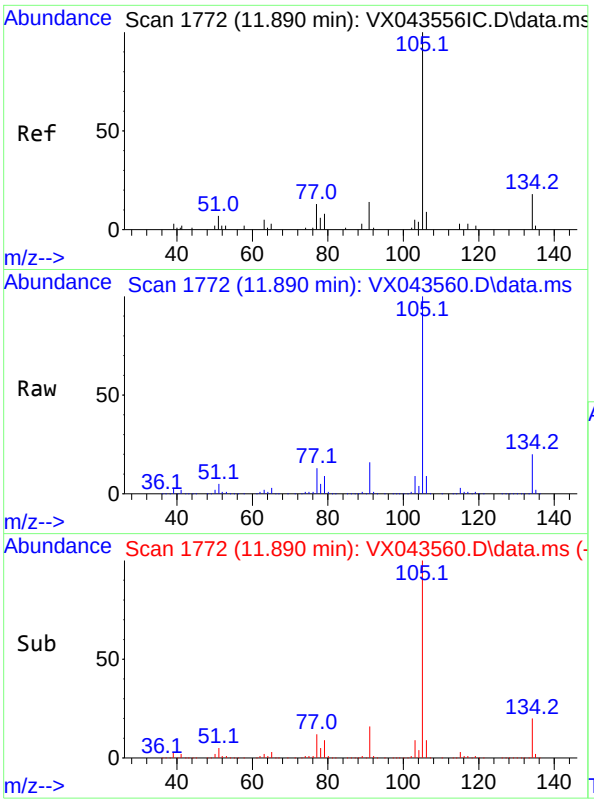


#84
1,2,4-Trimethylbenzene
Concen: 100.532 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:105 Resp: 684269

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1



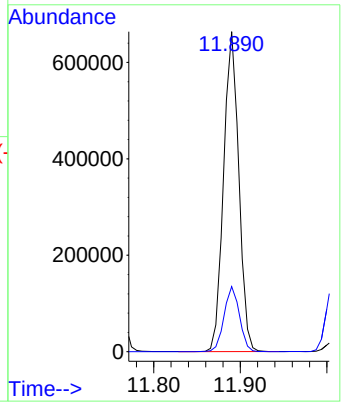


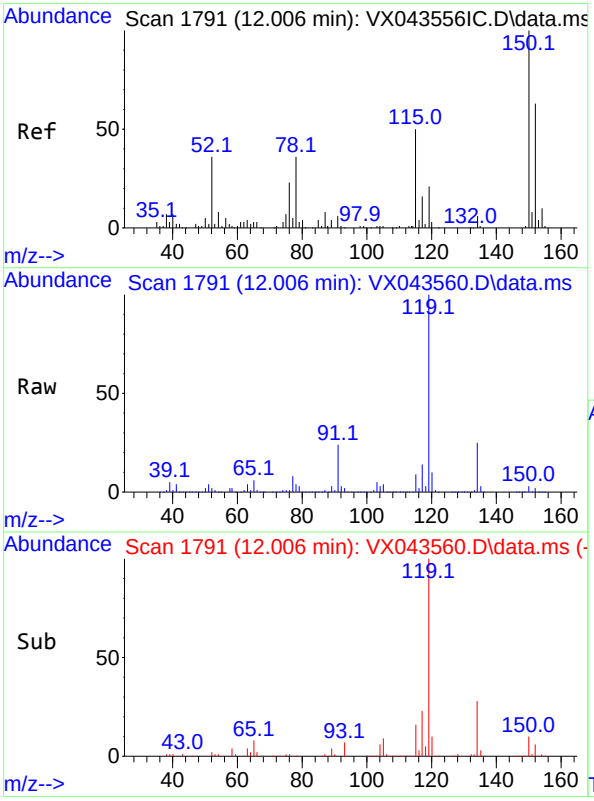
#85
sec-Butylbenzene
Concen: 102.828 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 808247

Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.5

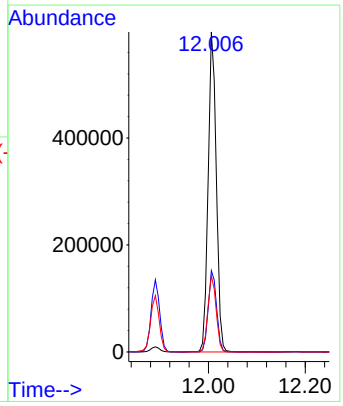


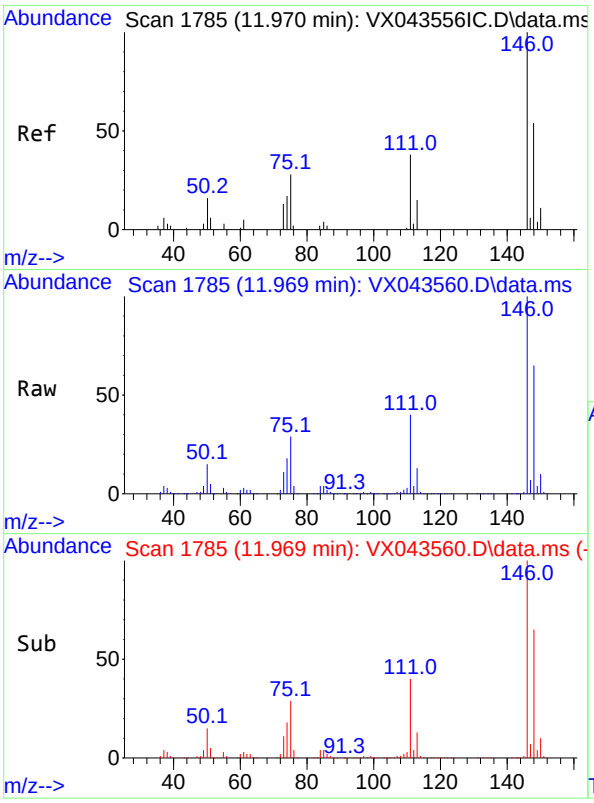


#86
p-Isopropyltoluene
Concen: 108.063 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:119 Resp: 703703

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	24.1	12.4	37.0



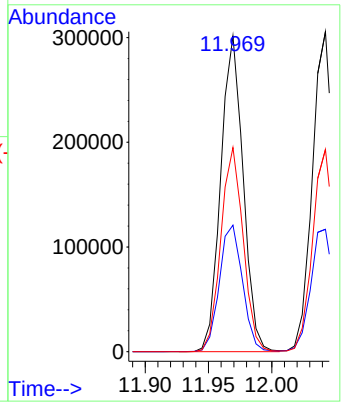


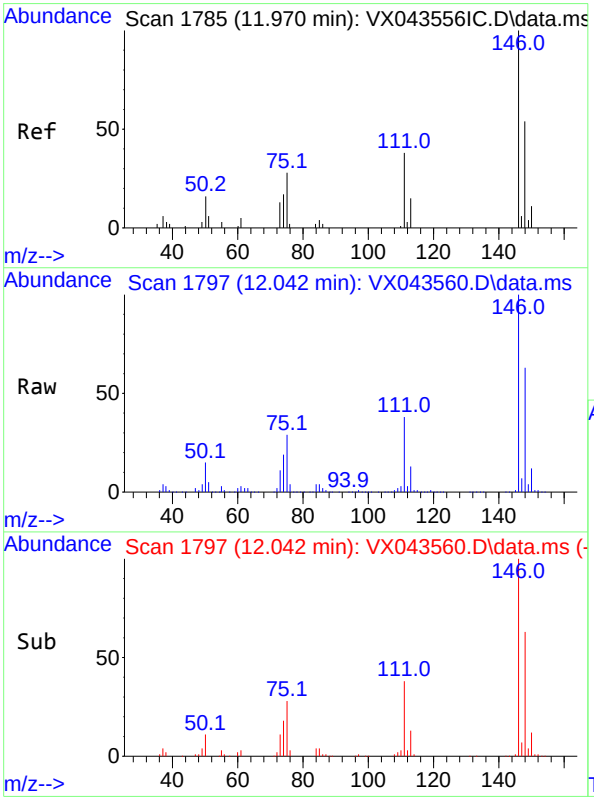
#87
1,3-Dichlorobenzene
Concen: 101.044 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 370986

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	64.3	31.6	94.8

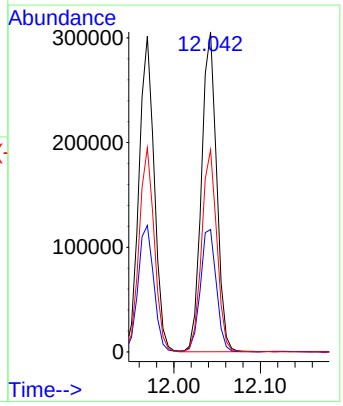


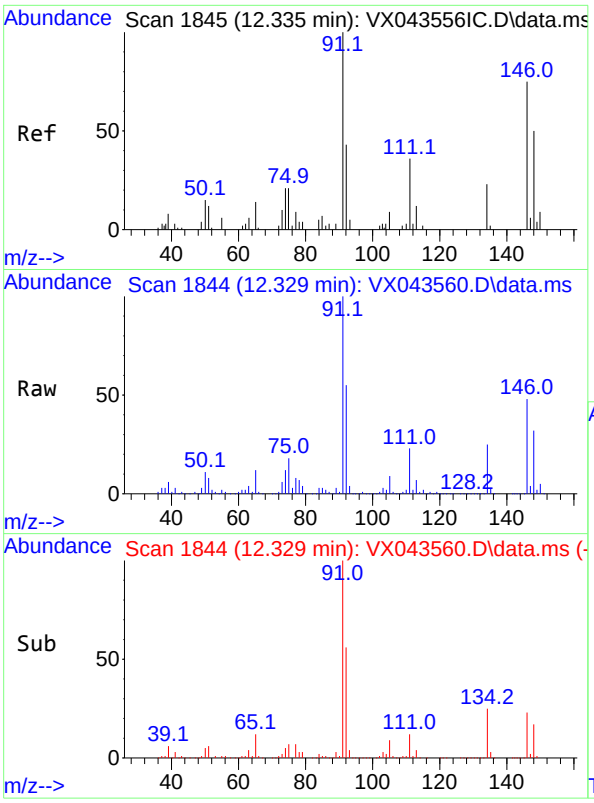


#88
1,4-Dichlorobenzene
Concen: 100.386 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:146 Resp: 371529

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.4	31.9	95.9



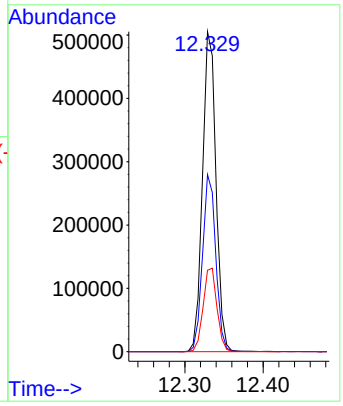


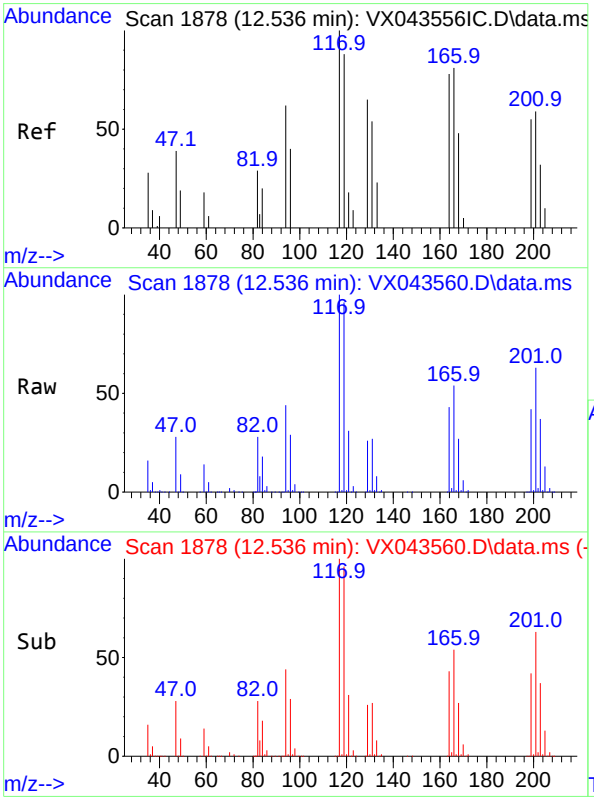
#89
n-Butylbenzene
Concen: 114.147 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 602601

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	26.8	12.9	38.6

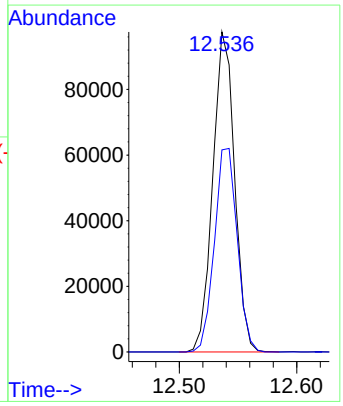


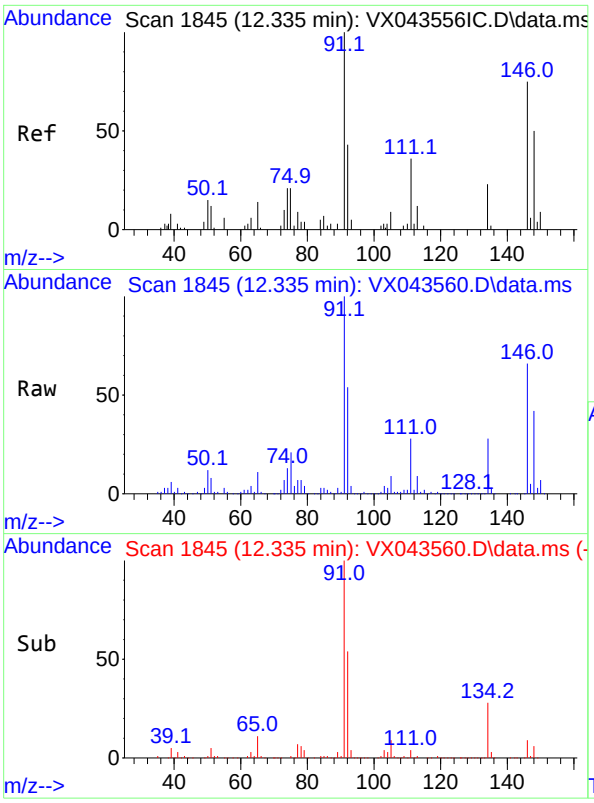


#90
Hexachloroethane
Concen: 119.283 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:117 Resp: 125658

Ion	Ratio	Lower	Upper
117	100		
201	66.7	32.9	98.7



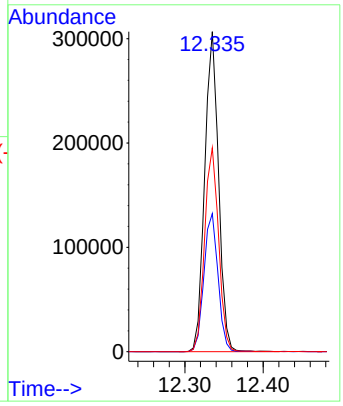


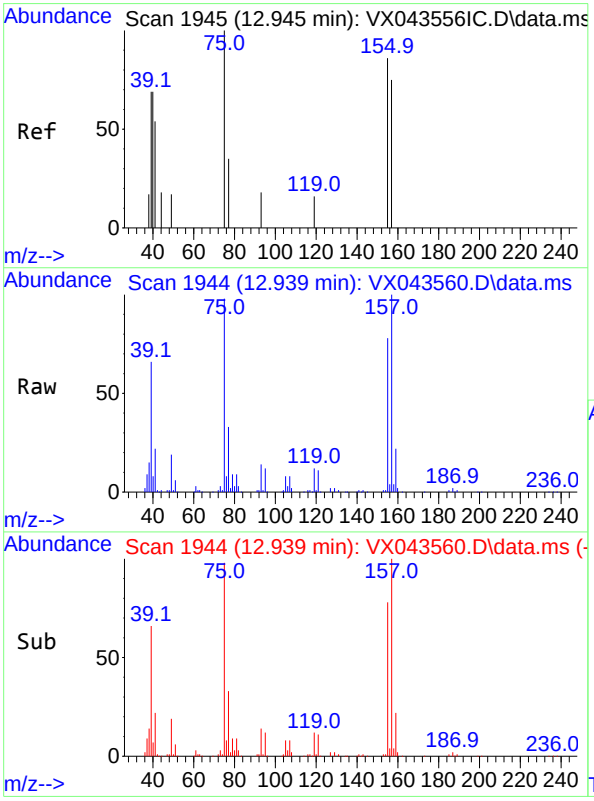
#91
1,2-Dichlorobenzene
Concen: 99.223 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 375640

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.5	31.6	95.0

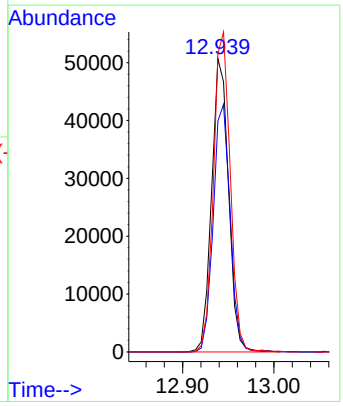


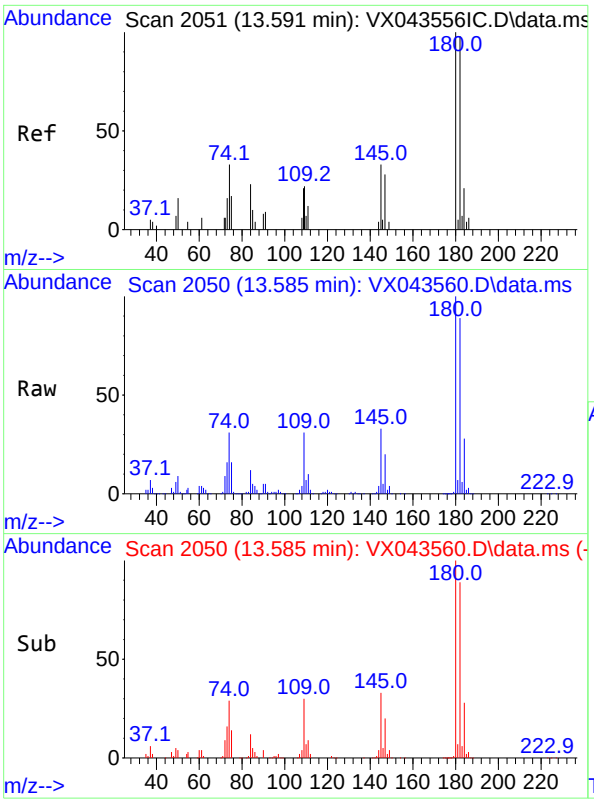


#92
1,2-Dibromo-3-Chloropropane
Concen: 100.012 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion: 75 Resp: 65340

Ion	Ratio	Lower	Upper
75	100		
155	84.5	40.1	120.3
157	108.1	50.8	152.4



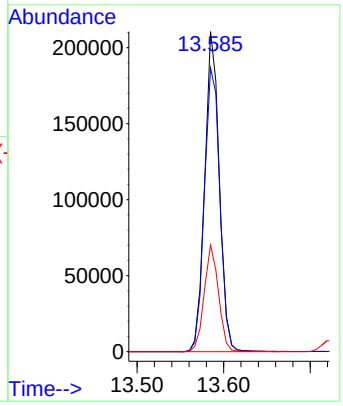


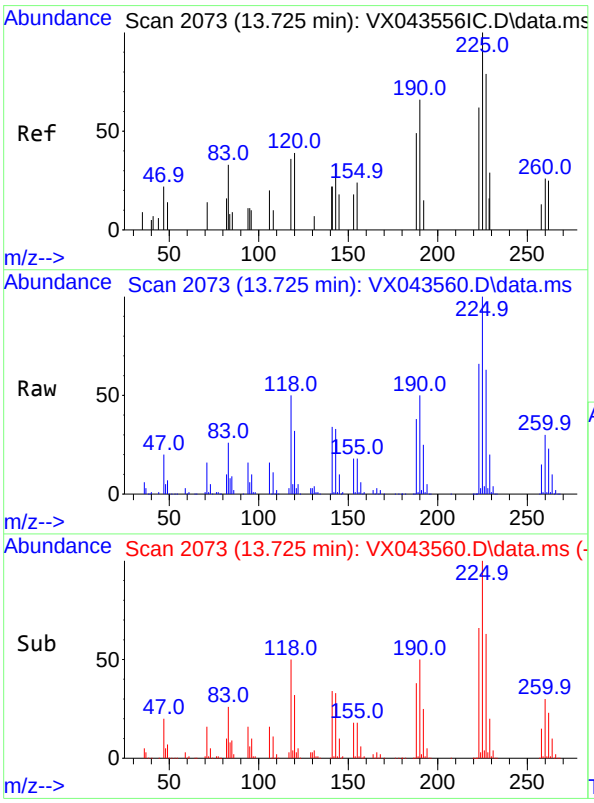
#93
1,2,4-Trichlorobenzene
Concen: 111.215 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 246552

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.8	140.4
145	32.7	16.1	48.3

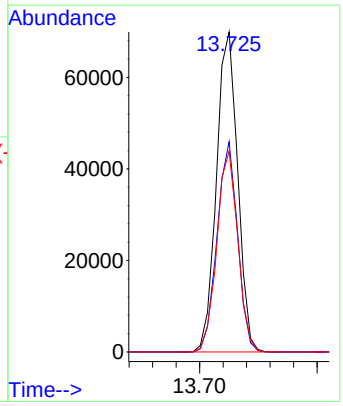


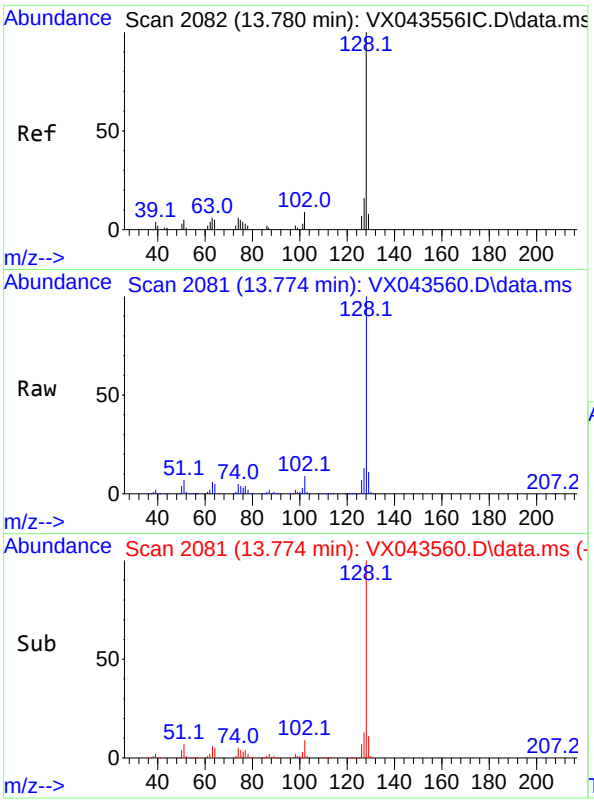


#94
Hexachlorobutadiene
Concen: 111.843 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:225 Resp: 87749

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.4
227	61.9	31.6	94.8



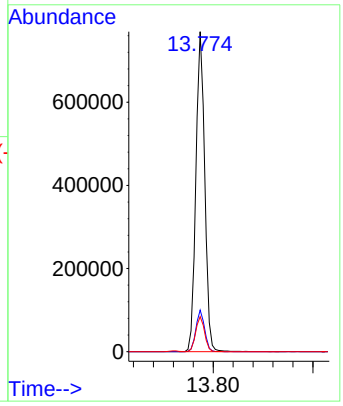


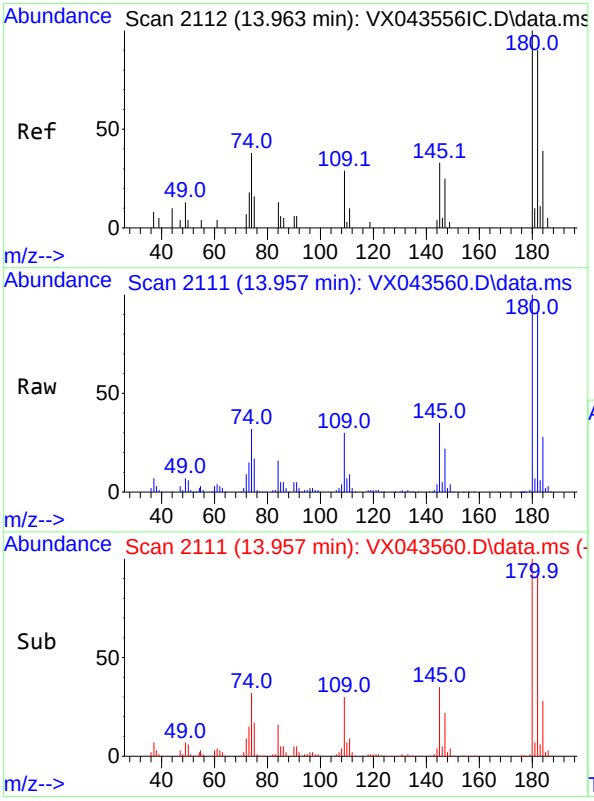
#95
Naphthalene
Concen: 104.267 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 948508

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.7	13.1

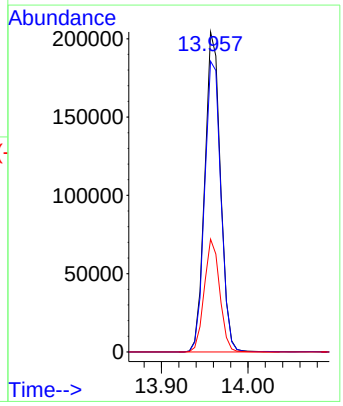




#96
1,2,3-Trichlorobenzene
Concen: 110.764 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043560.D
Acq: 28 Oct 2024 12:31

Tgt Ion:180 Resp: 256915

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	34.7	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	318806	138.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 277.940%#			
35) Dibromofluoromethane	5.385	113	256339	145.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 290.760%#			
50) Toluene-d8	8.647	98	851731	139.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 278.620%#			
62) 4-Bromofluorobenzene	11.079	95	329323	147.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 294.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	210421	130.533	ug/l	99
3) Chloromethane	1.295	50	265669	129.182	ug/l	100
4) Vinyl Chloride	1.374	62	256442	136.893	ug/l	98
5) Bromomethane	1.593	94	112014	153.092	ug/l	95
6) Chloroethane	1.660	64	90954	148.384	ug/l	100
7) Trichlorofluoromethane	1.861	101	310596	126.333	ug/l	100
8) Diethyl Ether	2.136	74	151359	140.945	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	212838	137.151	ug/l	99
10) Methyl Iodide	2.441	142	315072	146.614	ug/l	98
11) Tert butyl alcohol	3.026	59	337112	688.018	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	222500	145.831	ug/l	96
13) Acrolein	2.239	56	241097	624.444	ug/l	98
14) Allyl chloride	2.654	41	395090	145.930	ug/l	98
15) Acrylonitrile	3.069	53	736707	678.747	ug/l	99
16) Acetone	2.392	43	639840	653.408	ug/l	99
17) Carbon Disulfide	2.495	76	532448	168.596	ug/l	99
18) Methyl Acetate	2.709	43	392340	133.313	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	867383	146.111	ug/l	97
20) Methylene Chloride	2.782	84	274424	143.401	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	236759	143.334	ug/l	97
22) Diisopropyl ether	3.764	45	790777	141.515	ug/l	96
23) Vinyl Acetate	3.721	43	3509530	760.241	ug/l	99
24) 1,1-Dichloroethane	3.605	63	454844	144.305	ug/l	99
25) 2-Butanone	4.568	43	995055	669.046	ug/l	99
26) 2,2-Dichloropropane	4.471	77	367692	161.856	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	306808	149.076	ug/l	98
28) Bromochloromethane	4.898	49	223906	143.593	ug/l	99
29) Tetrahydrofuran	5.013	42	639748	658.777	ug/l	99
30) Chloroform	5.093	83	471770	139.964	ug/l	99
31) Cyclohexane	5.458	56	333317	133.285	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	407373	143.818	ug/l	99
36) 1,1-Dichloropropene	5.684	75	292944	140.377	ug/l	99
37) Ethyl Acetate	4.721	43	384683	135.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	340536	143.607	ug/l	98
39) Methylcyclohexane	7.379	83	375923	140.469	ug/l	98
40) Benzene	6.031	78	989523	141.848	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	203044	141.732	ug/l		96
42) 1,2-Dichloroethane	6.086	62	370244	144.284	ug/l		99
43) Isopropyl Acetate	6.342	43	646810	143.566	ug/l		99
44) Trichloroethene	7.123	130	251726	152.200	ug/l		96
45) 1,2-Dichloropropane	7.428	63	254281	149.267	ug/l		99
46) Dibromomethane	7.580	93	200317	153.073	ug/l		98
47) Bromodichloromethane	7.818	83	379264	163.366	ug/l		99
48) Methyl methacrylate	7.696	41	320841	152.537	ug/l		98
49) 1,4-Dioxane	7.671	88	113004	2091.122	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1948870	682.697	ug/l		99
52) Toluene	8.714	92	611241	142.120	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	405296	172.509	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	426054	165.131	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	259723	143.100	ug/l		99
56) Ethyl methacrylate	9.116	69	449693	153.315	ug/l		97
57) 1,3-Dichloropropane	9.305	76	437811	146.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1091414	756.448	ug/l		98
59) 2-Hexanone	9.433	43	1462736	677.655	ug/l		98
60) Dibromochloromethane	9.519	129	299138	176.144	ug/l		99
61) 1,2-Dibromoethane	9.610	107	275091	150.355	ug/l		99
64) Tetrachloroethene	9.269	164	198596	136.289	ug/l		95
65) Chlorobenzene	10.080	112	703451	145.269	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	250797	153.341	ug/l		100
67) Ethyl Benzene	10.195	91	1141257	141.675	ug/l		100
68) m/p-Xylenes	10.299	106	878867	287.969	ug/l		97
69) o-Xylene	10.640	106	450386	143.559	ug/l		98
70) Styrene	10.653	104	777762	153.173	ug/l		100
71) Bromoform	10.799	173	207497	188.187	ug/l	#	97
73) Isopropylbenzene	10.964	105	1088275	135.577	ug/l		99
74) N-amyl acetate	10.842	43	575386	142.309	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	402017	130.738	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	468187	179.337	ug/l		82
77) Bromobenzene	11.195	156	285385	139.269	ug/l		98
78) n-propylbenzene	11.305	91	1224689	143.160	ug/l		99
79) 2-Chlorotoluene	11.366	91	773459	134.748	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	914265	137.180	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	145480	170.044	ug/l		91
82) 4-Chlorotoluene	11.451	91	893567	140.669	ug/l		97
83) tert-Butylbenzene	11.713	119	935627	137.660	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	953082	139.821	ug/l		100
85) sec-Butylbenzene	11.890	105	1112980	141.391	ug/l		98
86) p-Isopropyltoluene	12.006	119	958987	147.051	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	521523	141.838	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	522586	140.994	ug/l		99
89) n-Butylbenzene	12.329	91	830990	157.180	ug/l		99
90) Hexachloroethane	12.536	117	179474	170.120	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	534157	140.889	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	94746	144.811	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	354426	159.641	ug/l		99
94) Hexachlorobutadiene	13.725	225	118245	150.492	ug/l		98
95) Naphthalene	13.774	128	1350122	148.198	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	363960	156.686	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

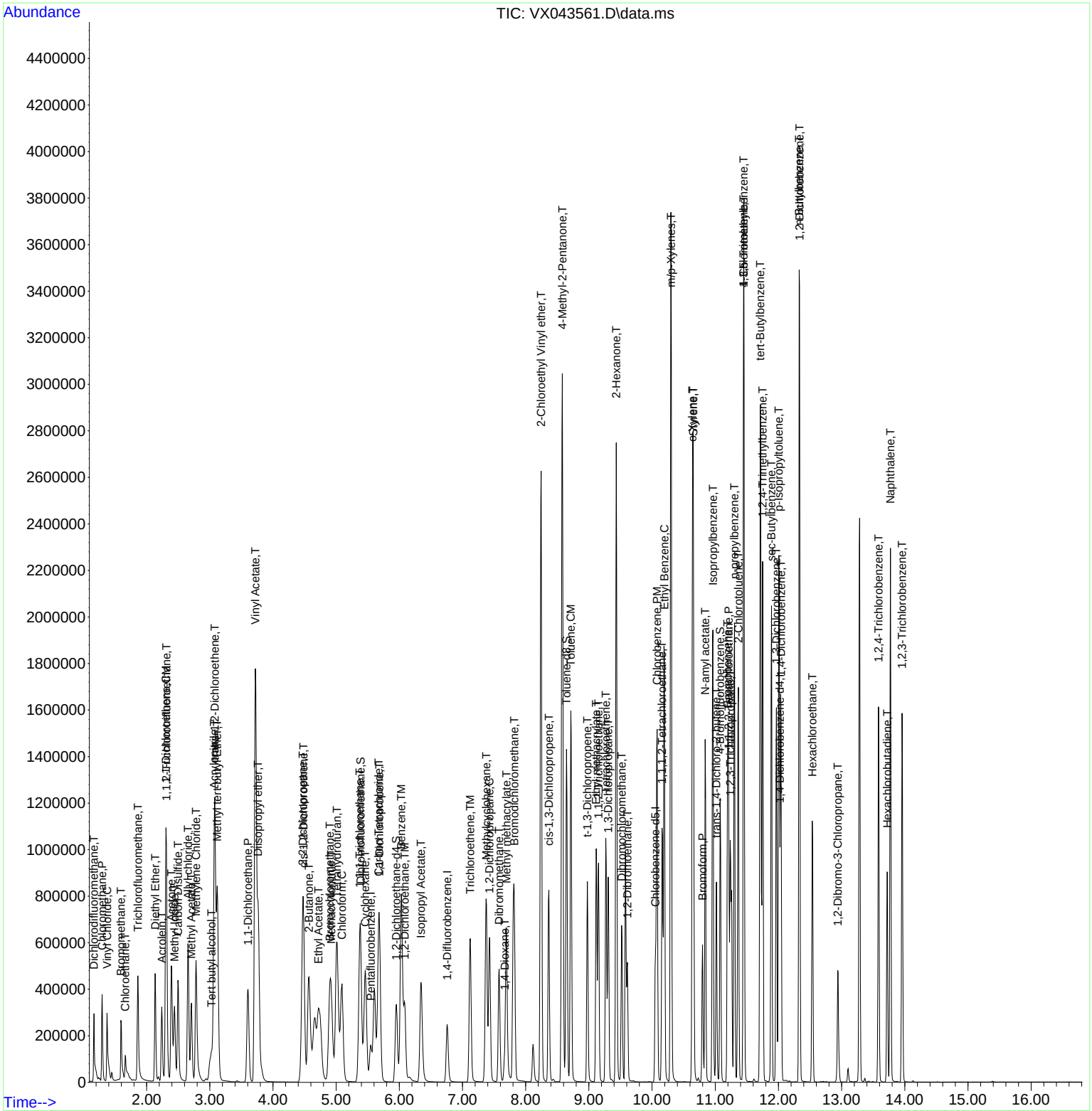
(#) = qualifier out of range (m) = manual integration (+) = signals summed

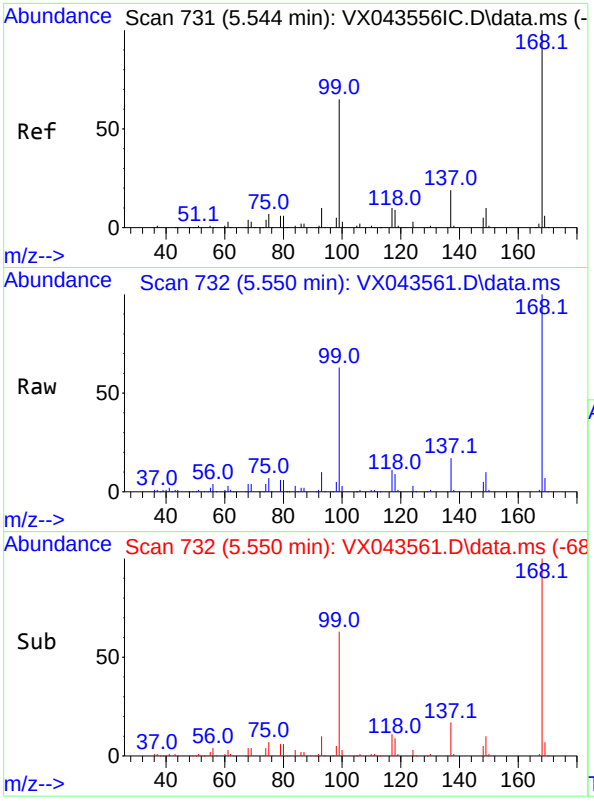
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration



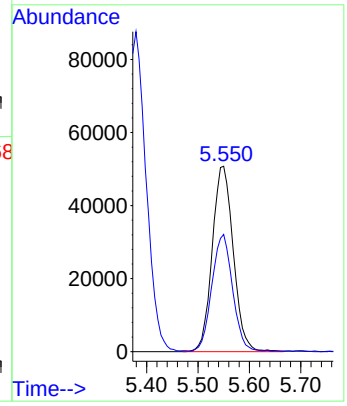


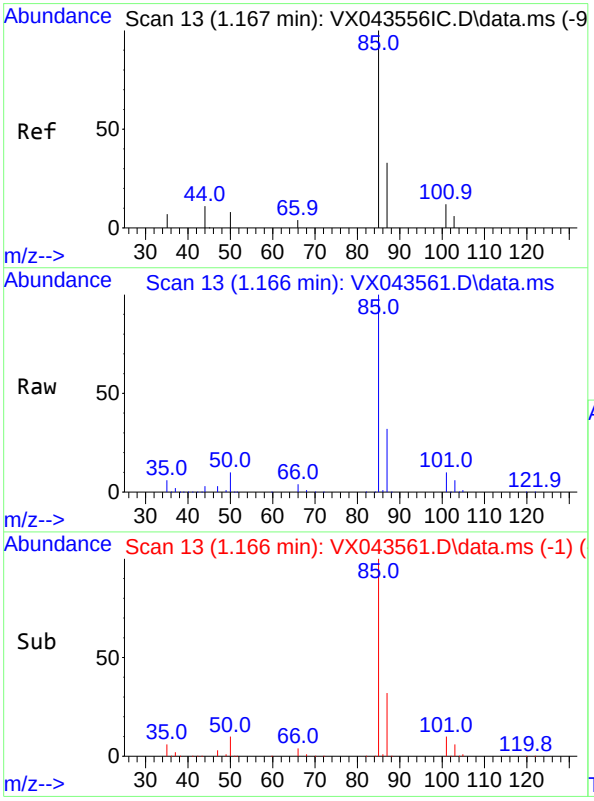
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 144618

Ion	Ratio	Lower	Upper
168	100		
99	63.0	52.6	78.8

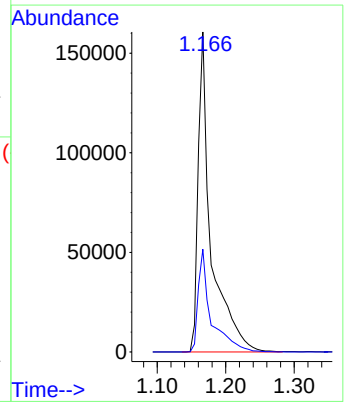


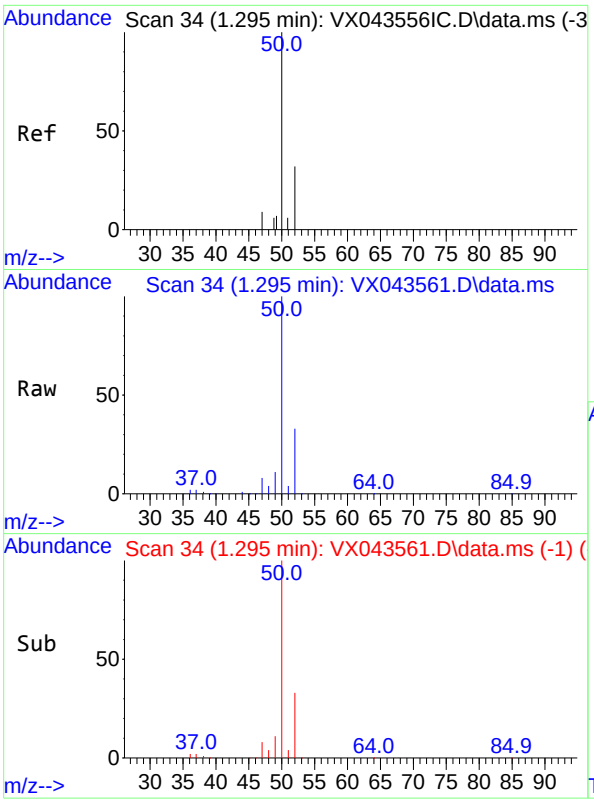


#2
Dichlorodifluoromethane
Concen: 130.533 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 85 Resp: 210421

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.0



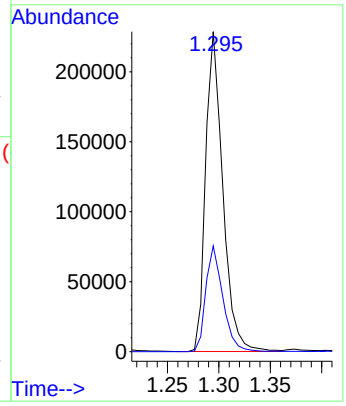


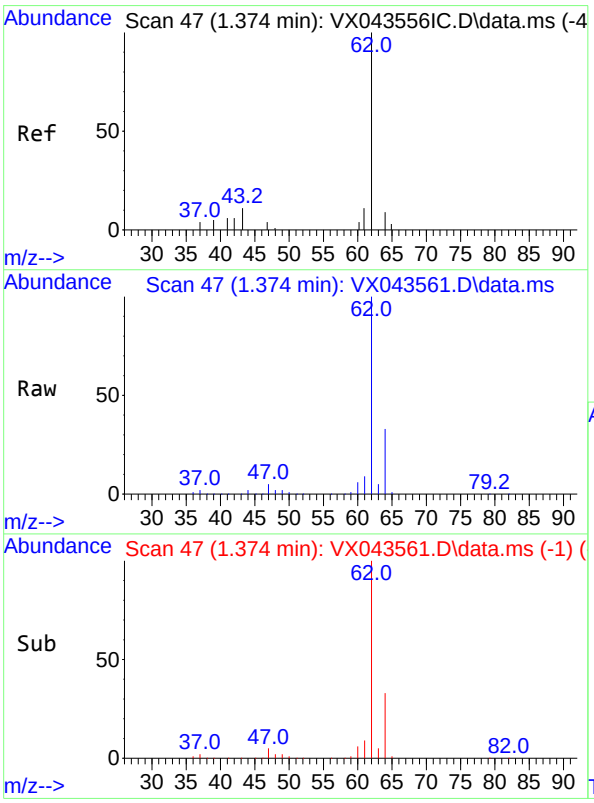
#3
Chloromethane
Concen: 129.182 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 265669

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.3	39.5

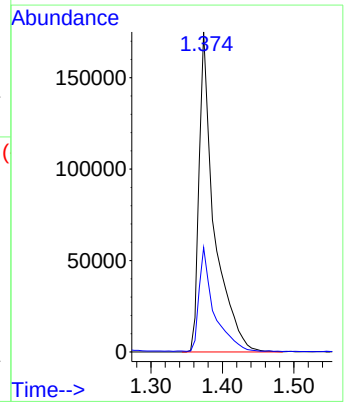


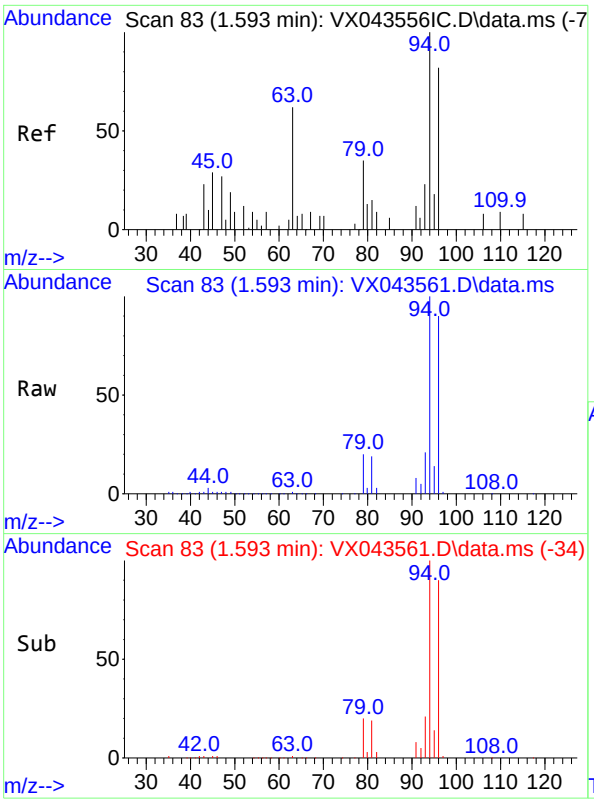


#4
Vinyl Chloride
Concen: 136.893 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 62 Resp: 256442

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.0	37.4



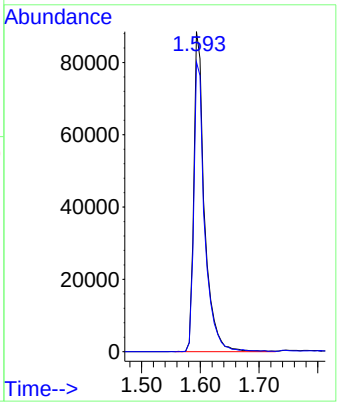


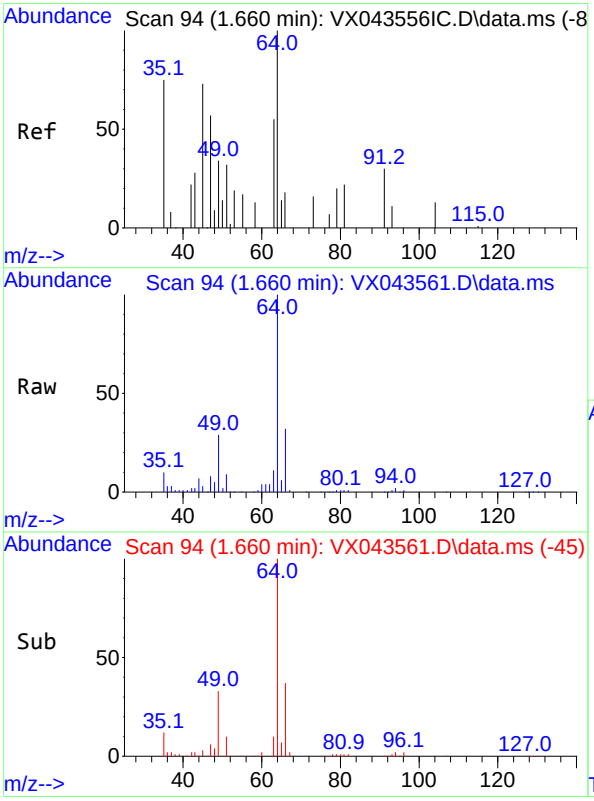
#5
Bromomethane
Concen: 153.092 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 112014

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.9	113.9

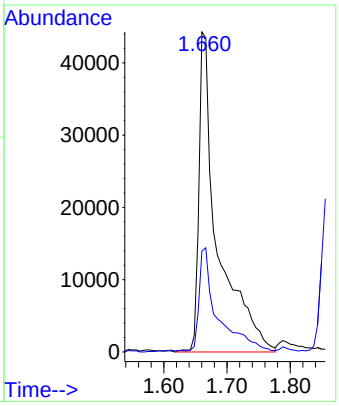


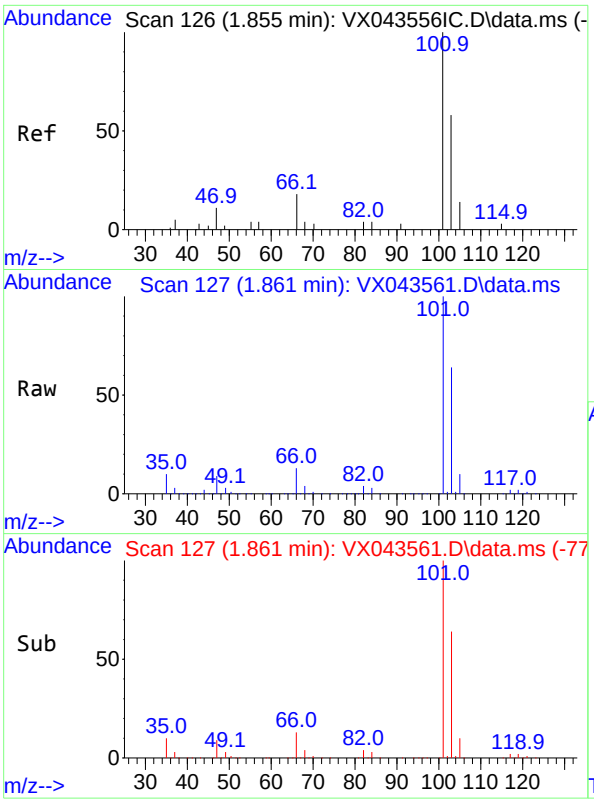


#6
Chloroethane
Concen: 148.384 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 64 Resp: 90954

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.1	37.7



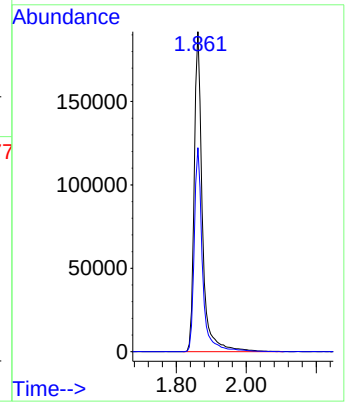


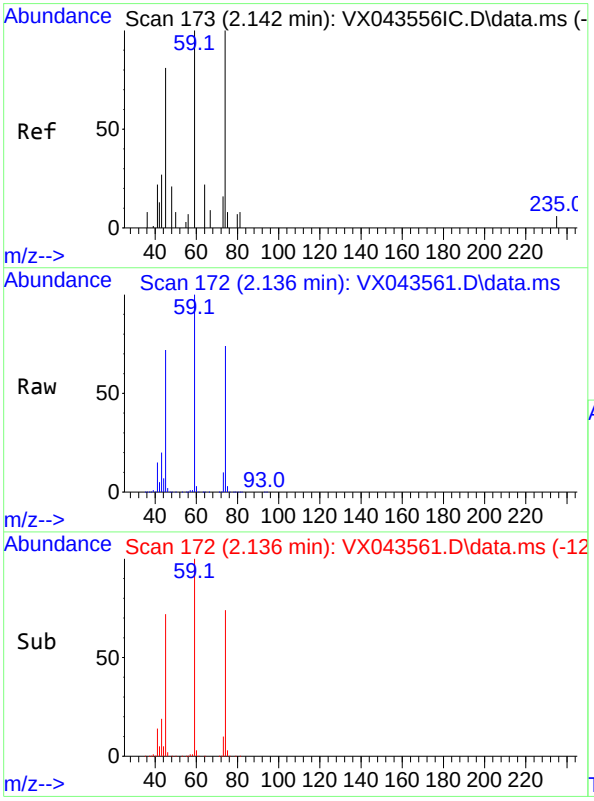
#7
Trichlorofluoromethane
Concen: 126.333 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 310596

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.3	76.9

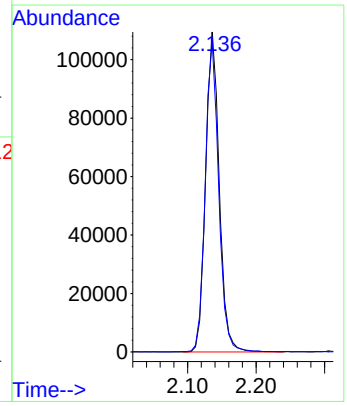


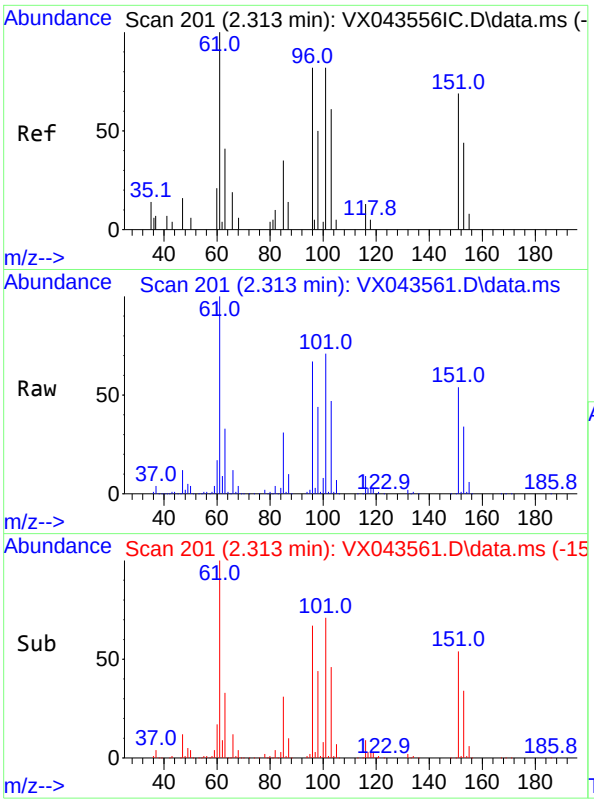


#8
Diethyl Ether
Concen: 140.945 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 74 Resp: 151359

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.5	142.5



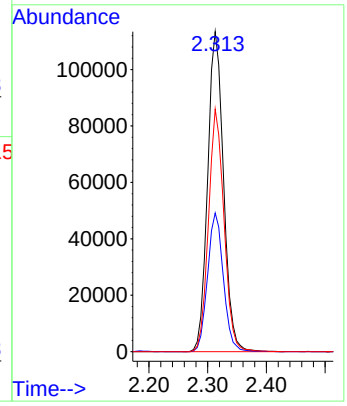


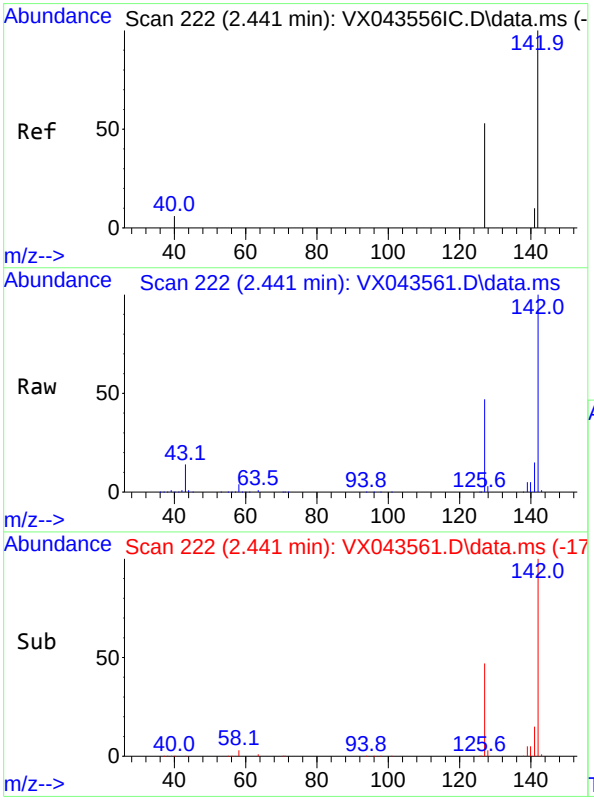
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.151 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 212838

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.5	51.7
151	74.1	58.2	87.2

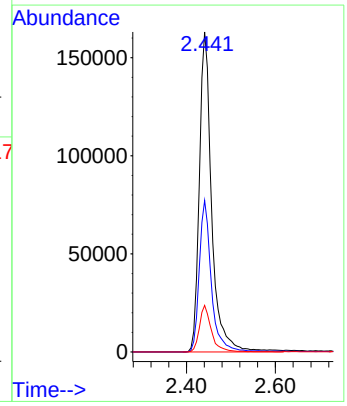


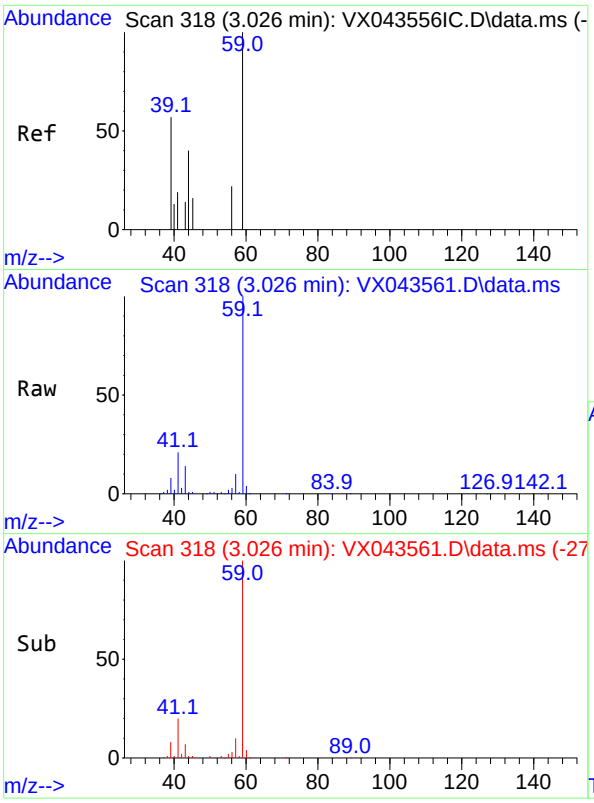


#10
Methyl Iodide
Concen: 146.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:142 Resp: 315072

Ion	Ratio	Lower	Upper
142	100		
127	45.9	38.2	57.4
141	14.1	11.5	17.3



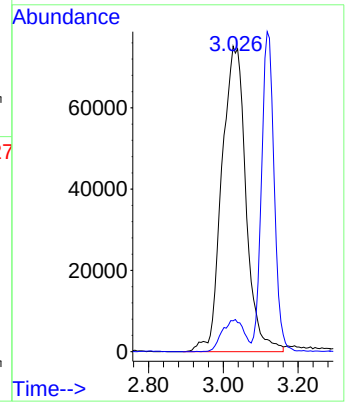


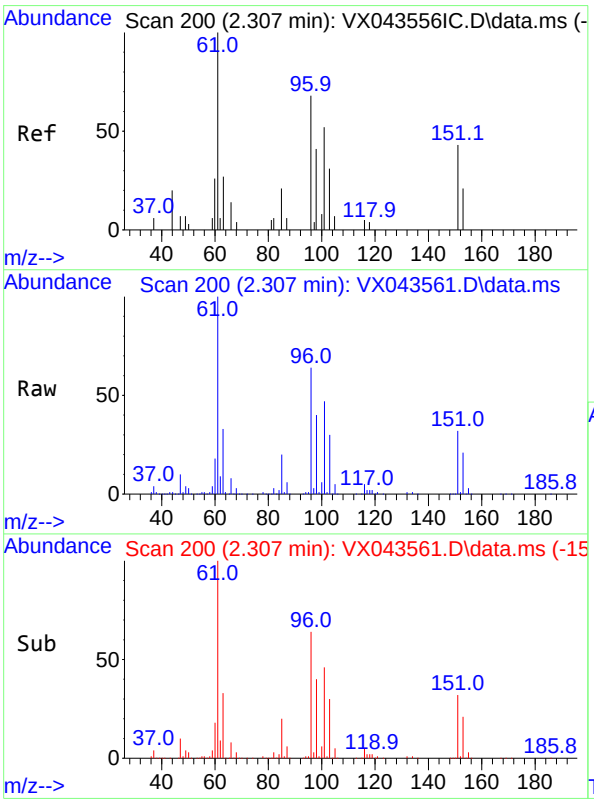
#11
Tert butyl alcohol
Concen: 688.018 ug/l
RT: 3.026 min Scan# 3
Delta R.T. -0.024 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 337112

Ion	Ratio	Lower	Upper
59	100		
57	9.6	0.0	0.0#

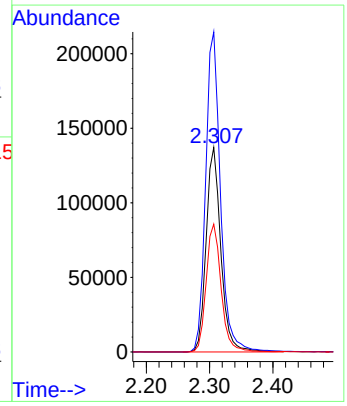


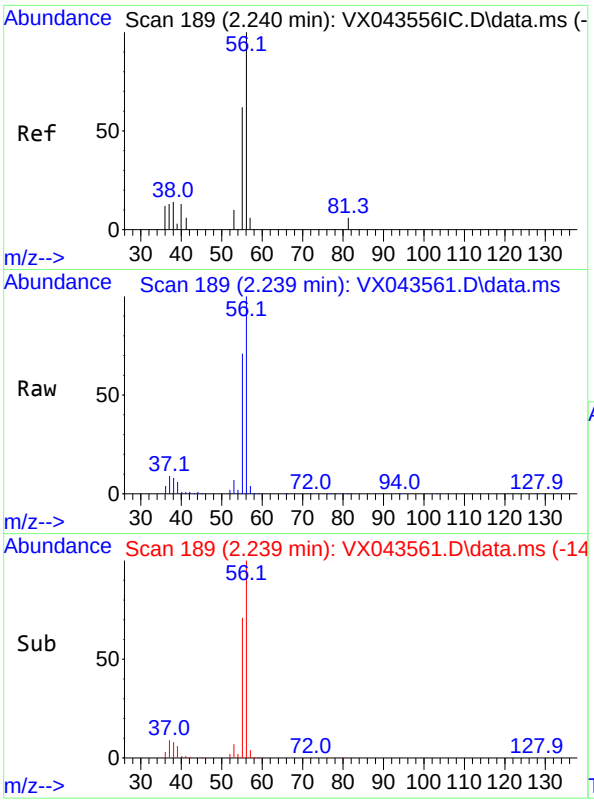


#12
1,1-Dichloroethene
Concen: 145.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 96 Resp: 222500

Ion	Ratio	Lower	Upper
96	100		
61	156.5	130.2	195.4
98	62.6	51.0	76.6



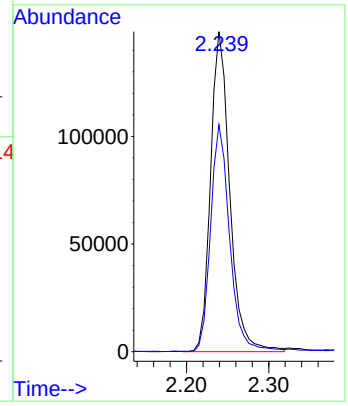


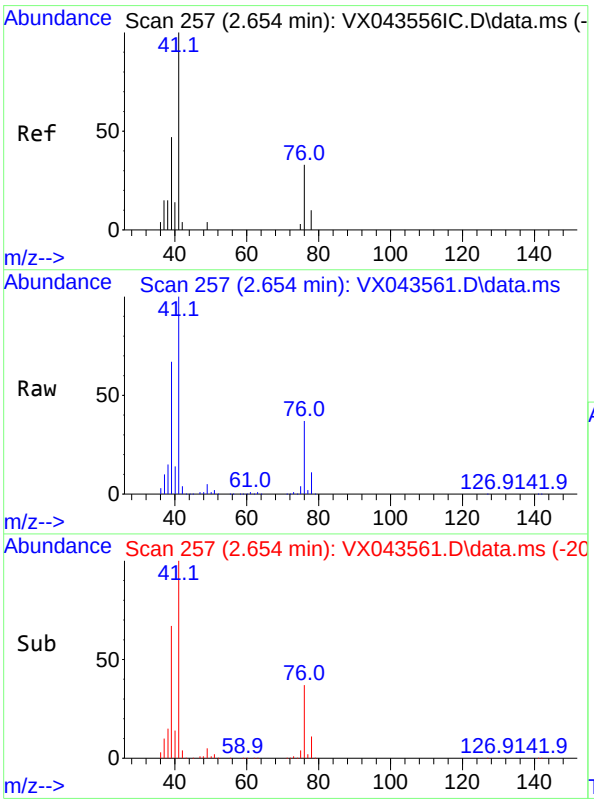
#13
Acrolein
Concen: 624.444 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 241097

Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.3	82.9

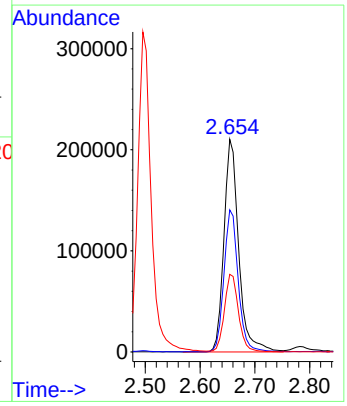


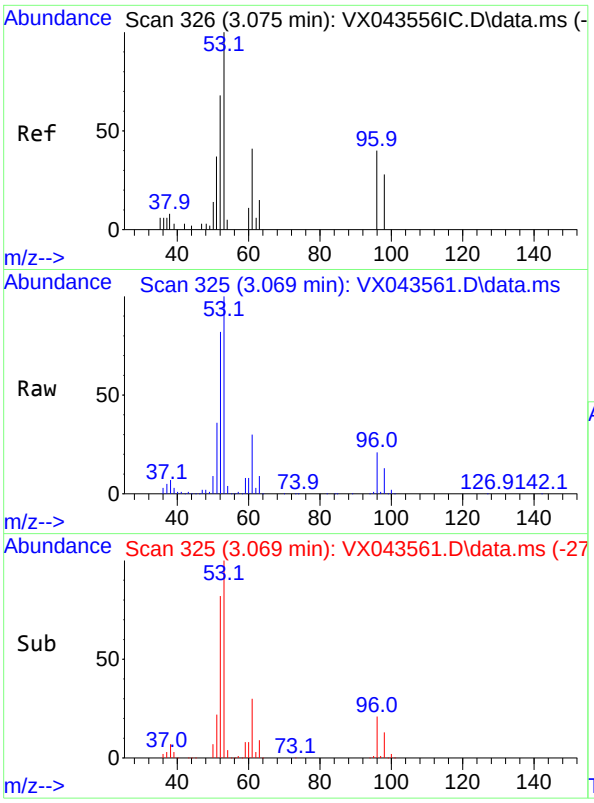


#14
Allyl chloride
Concen: 145.930 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 41 Resp: 395090

Ion	Ratio	Lower	Upper
41	100		
39	64.4	53.2	79.8
76	34.9	27.0	40.6



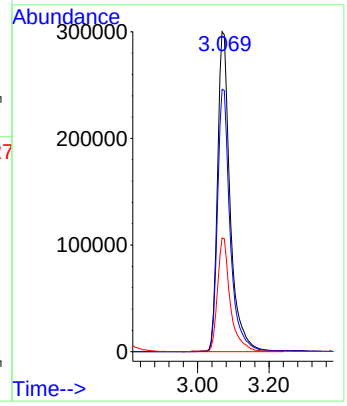


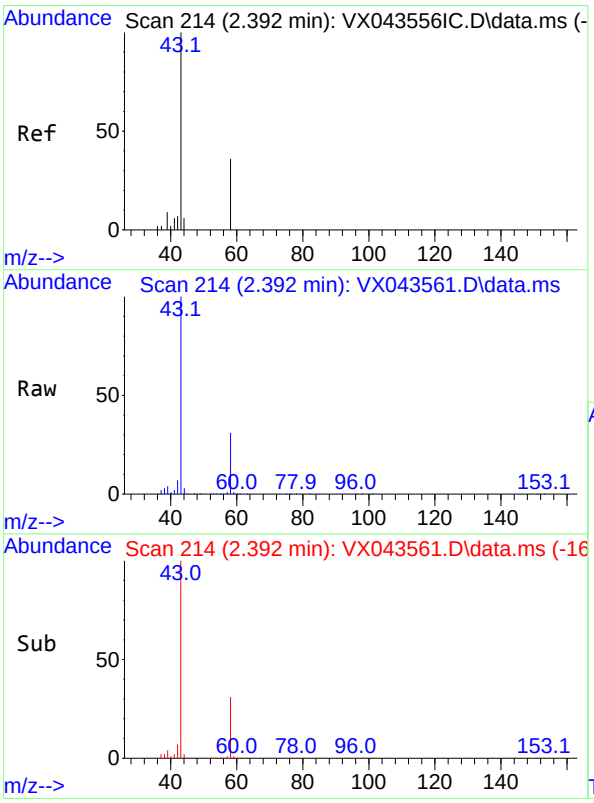
#15
Acrylonitrile
Concen: 678.747 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 736707

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.6
51	35.3	28.5	42.7

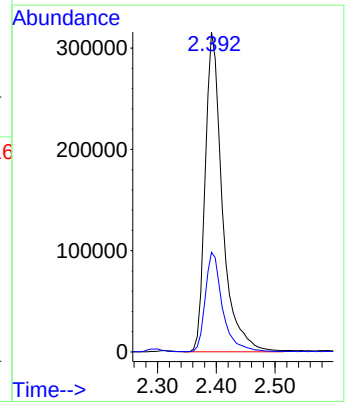


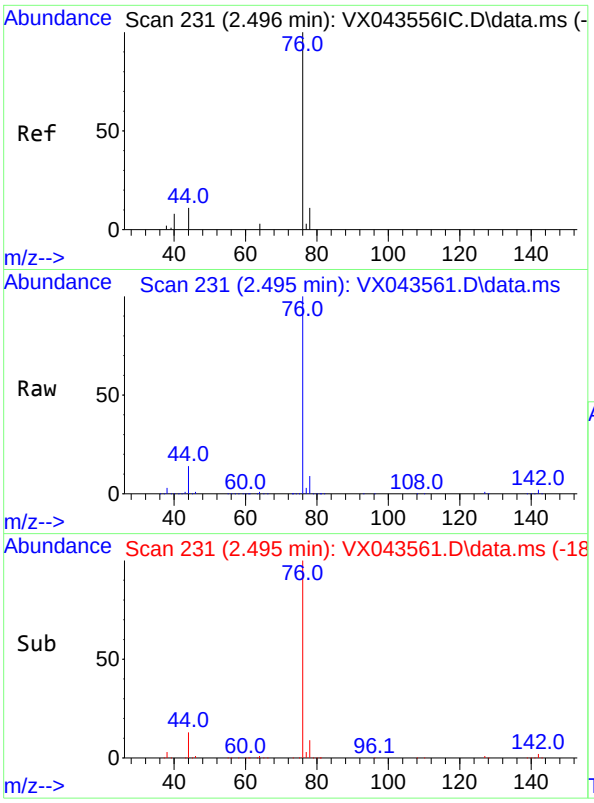


#16
Acetone
Concen: 653.408 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 639840

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.1	37.7



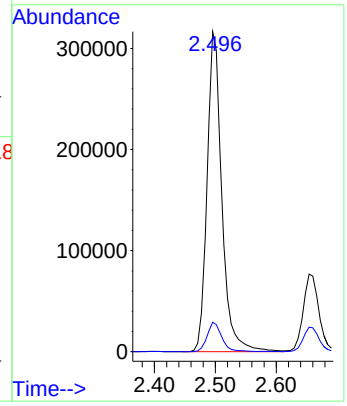


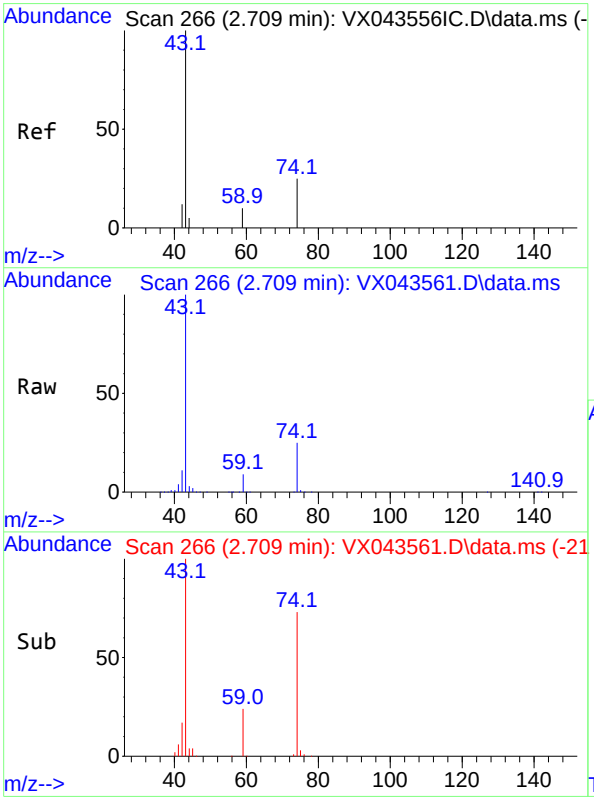
#17
Carbon Disulfide
Concen: 168.596 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 532448

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

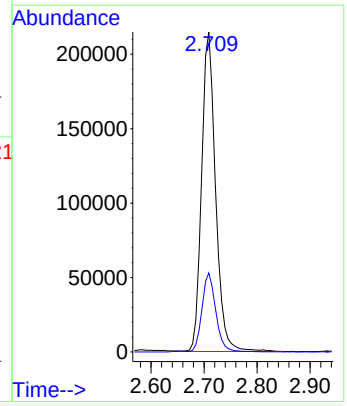


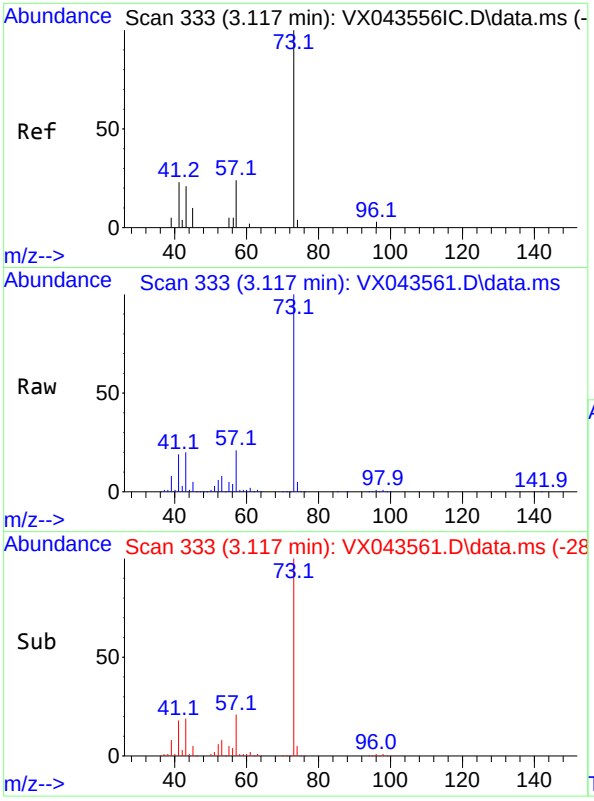


#18
Methyl Acetate
Concen: 133.313 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 392340

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.1	28.7



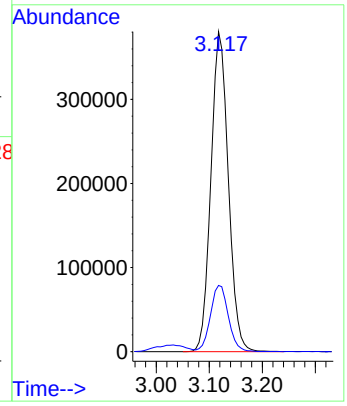


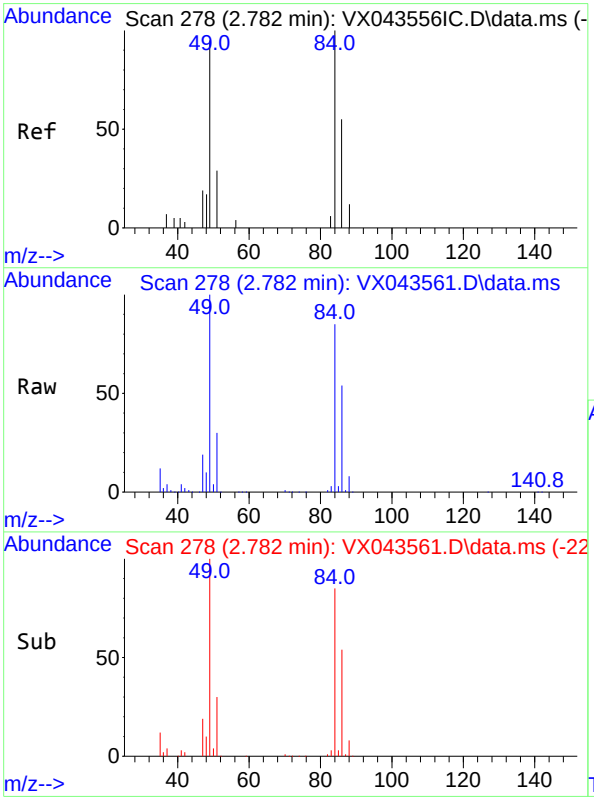
#19
Methyl tert-butyl Ether
Concen: 146.111 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 867383

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

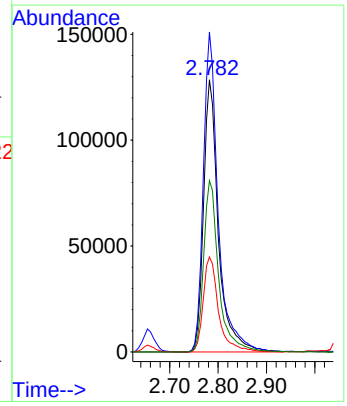


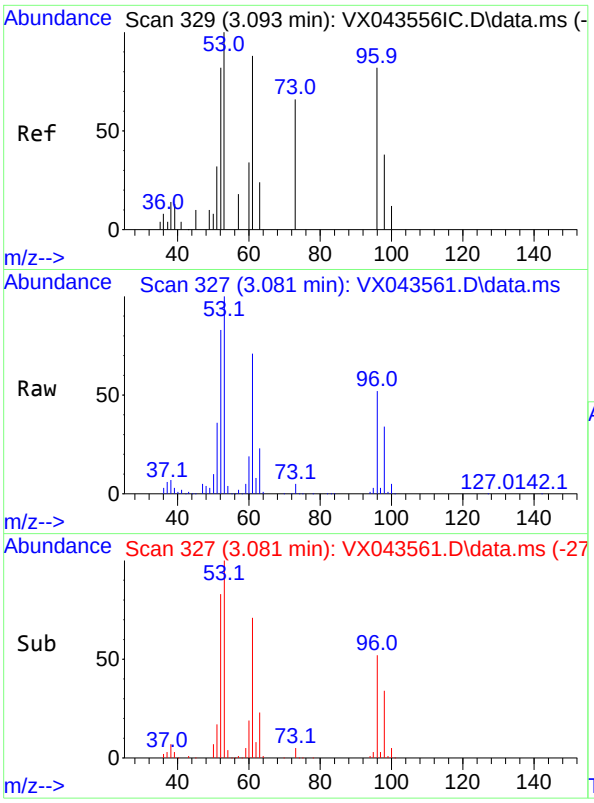


#20
Methylene Chloride
Concen: 143.401 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 84 Resp: 274424

Ion	Ratio	Lower	Upper
84	100		
49	117.5	97.0	145.6
51	34.9	29.8	44.8
86	62.9	53.1	79.7



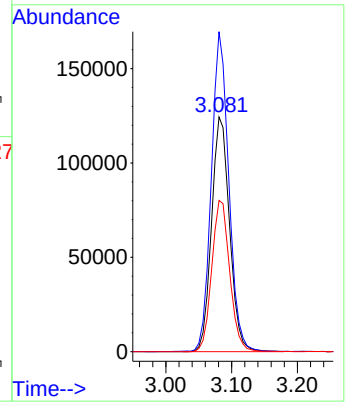


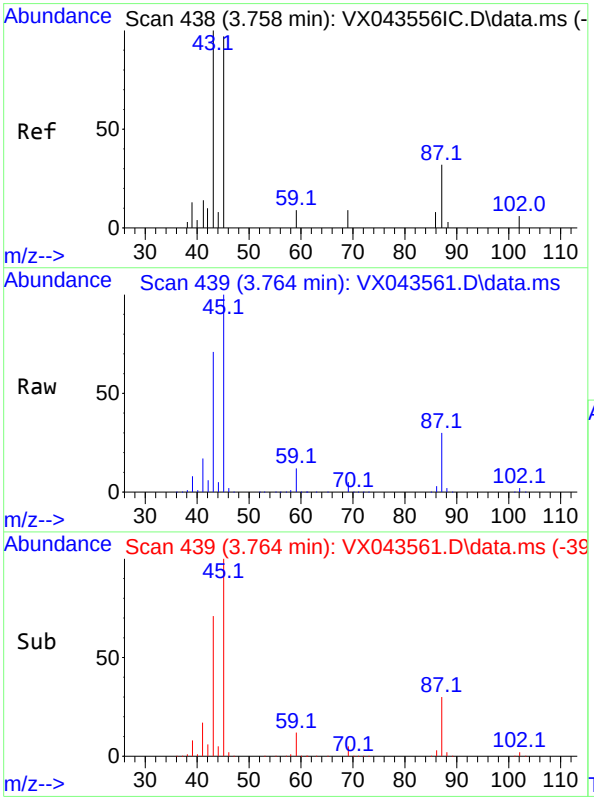
#21
trans-1,2-Dichloroethene
Concen: 143.334 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 236759

Ion	Ratio	Lower	Upper
96	100		
61	136.2	107.1	160.7
98	64.4	47.7	71.5

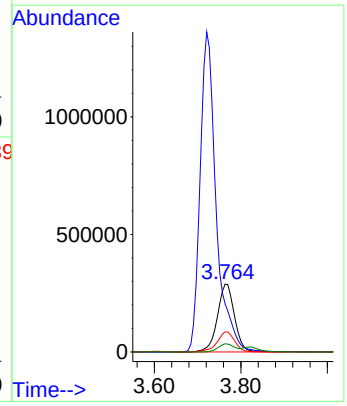


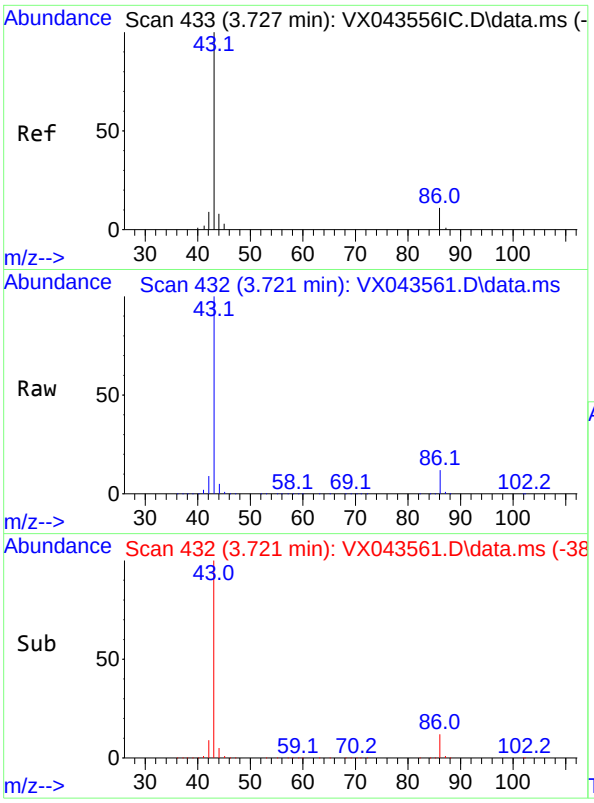


#22
Diisopropyl ether
Concen: 141.515 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 45 Resp: 790777

Ion	Ratio	Lower	Upper
45	100		
43	71.1	60.6	90.8
87	29.5	22.0	33.0
59	12.0	9.5	14.3



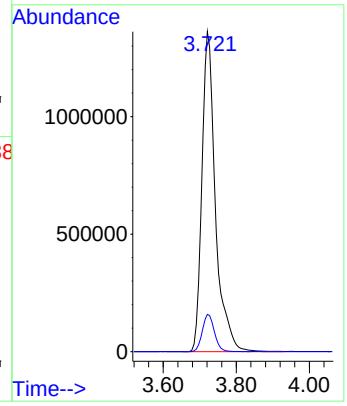


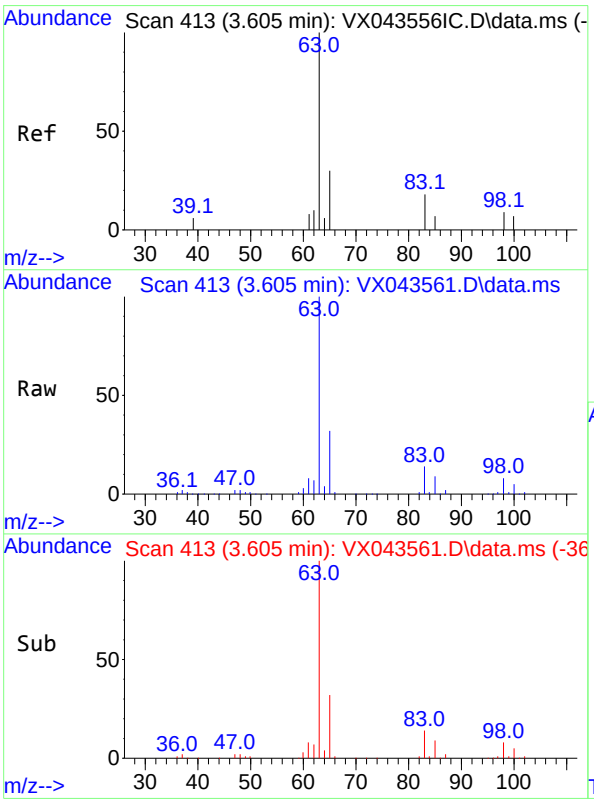
#23
Vinyl Acetate
Concen: 760.241 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3509530

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

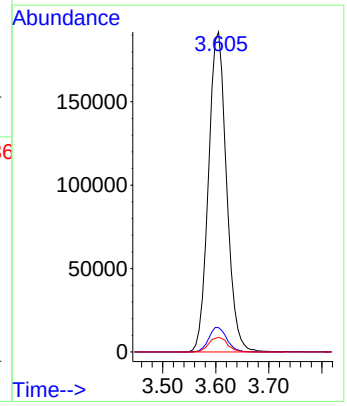


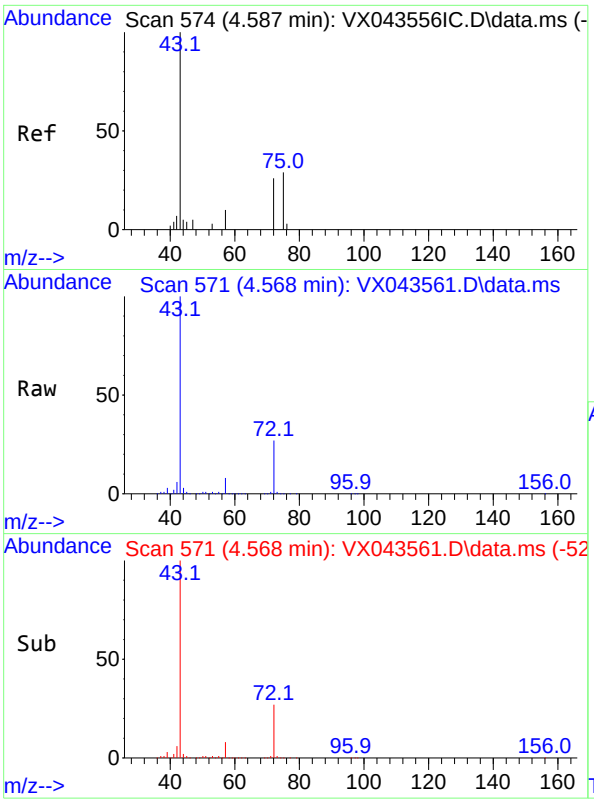


#24
1,1-Dichloroethane
Concen: 144.305 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 63 Resp: 454844

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	4.5	2.4	7.2



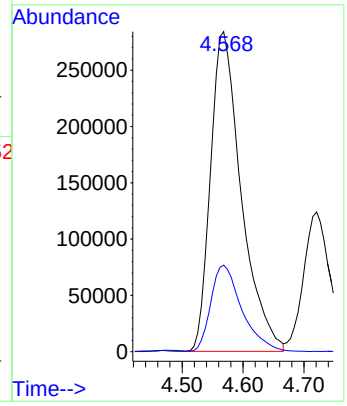


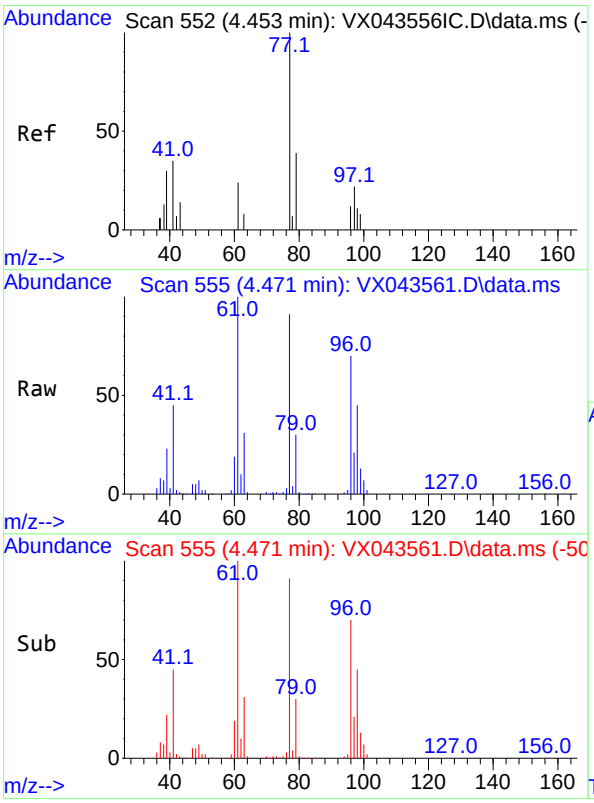
#25
2-Butanone
Concen: 669.046 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 995055

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.1	31.7

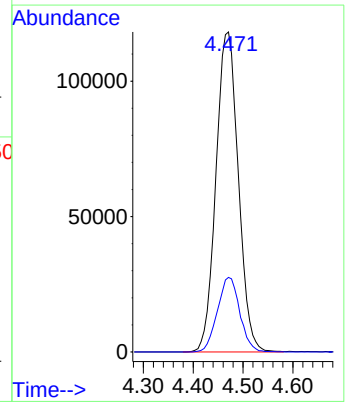


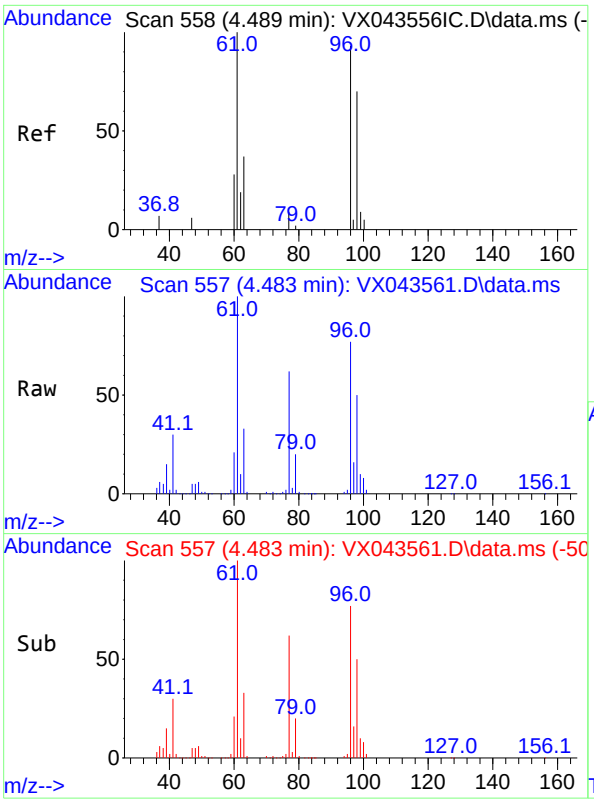


#26
2,2-Dichloropropane
Concen: 161.856 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 77 Resp: 367692

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8



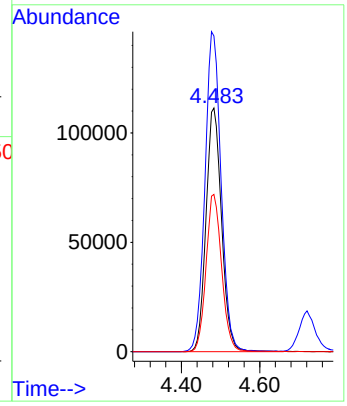


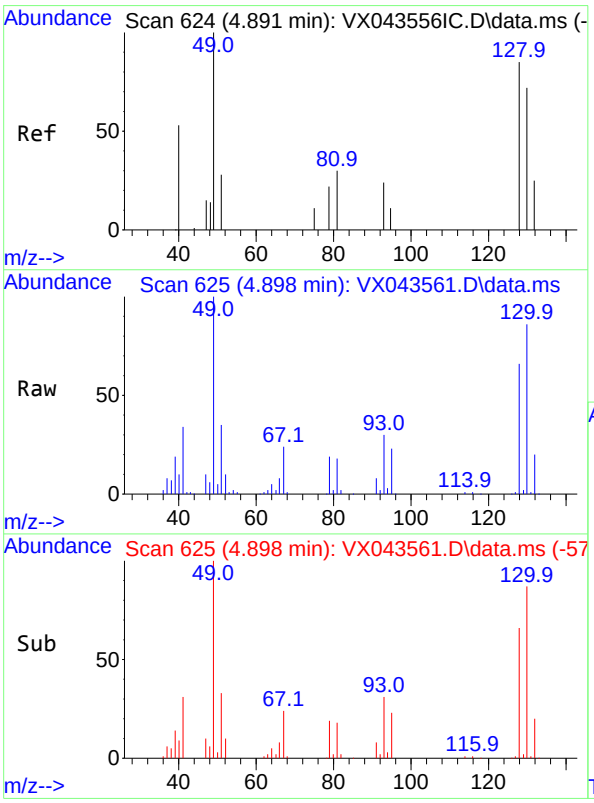
#27
cis-1,2-Dichloroethene
Concen: 149.076 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 306808

Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	277.2
98	64.8	0.0	131.6

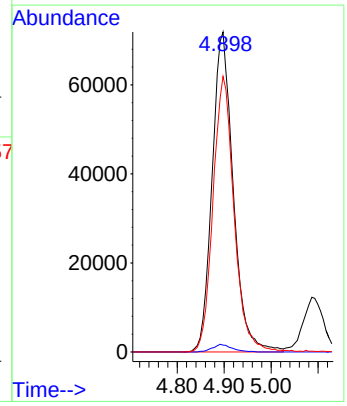


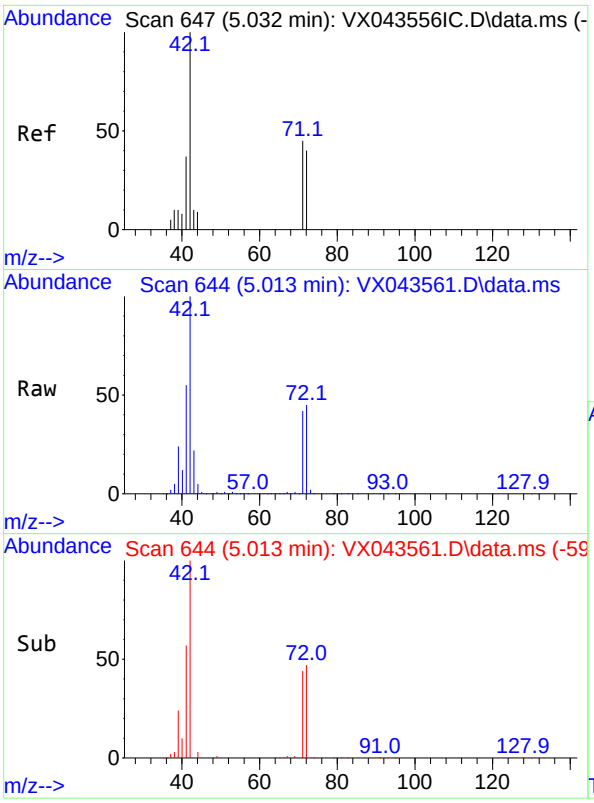


#28
Bromochloromethane
Concen: 143.593 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 49 Resp: 223906

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.8	67.8	101.8



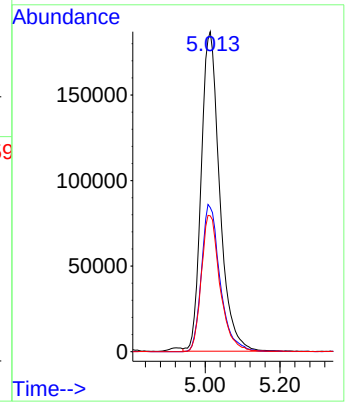


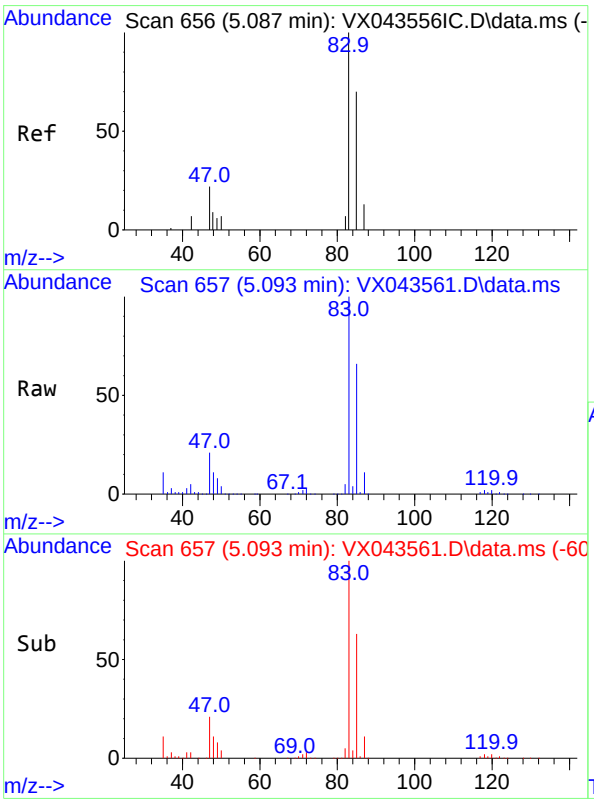
#29
Tetrahydrofuran
Concen: 658.777 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 639748

Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	55.0
71	43.3	34.2	51.4

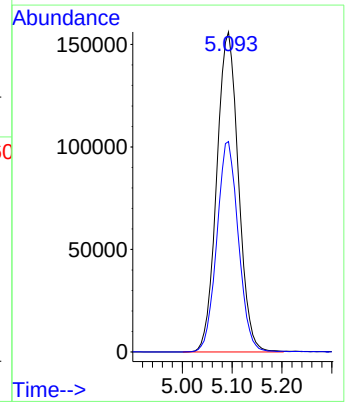


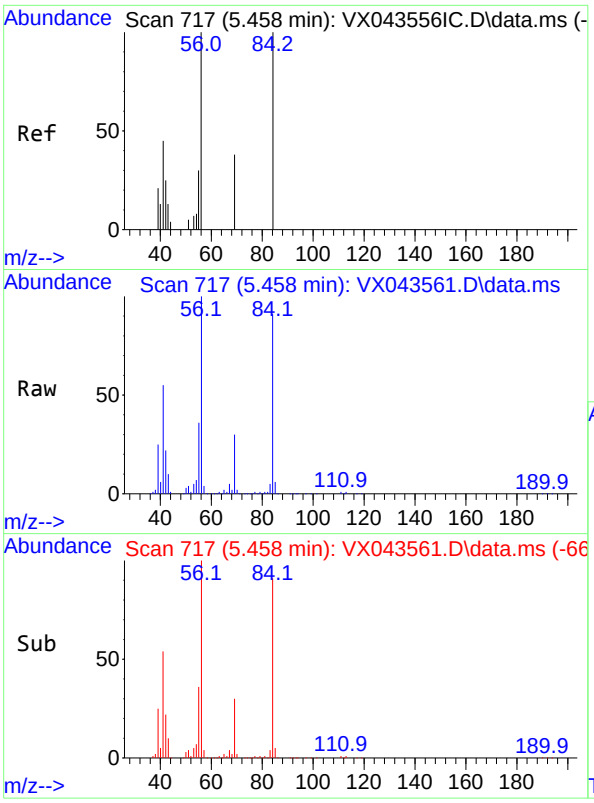


#30
Chloroform
Concen: 139.964 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 83 Resp: 471770

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4



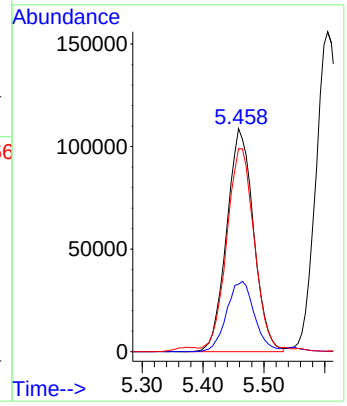


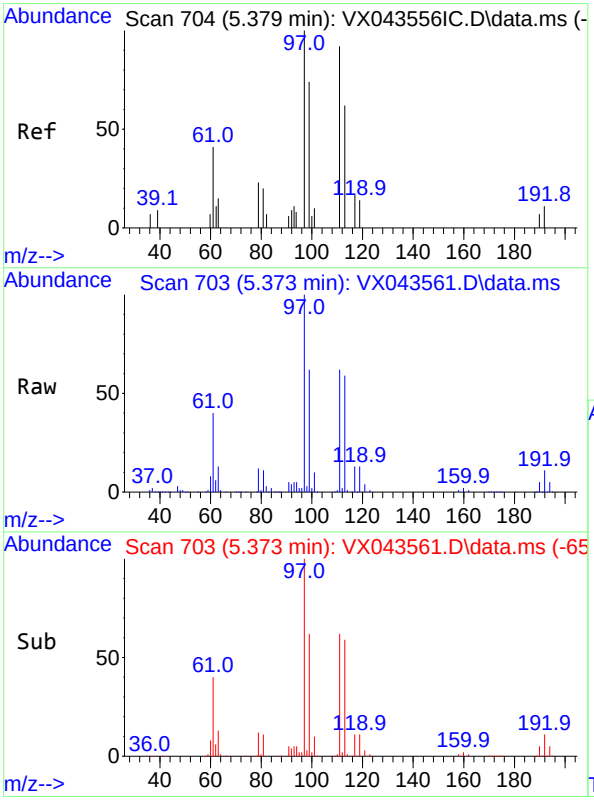
#31
Cyclohexane
Concen: 133.285 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 333317

Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.9	37.3
84	89.3	73.3	109.9

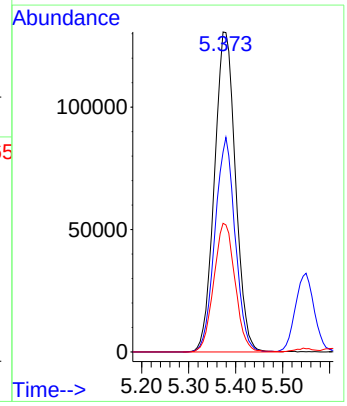


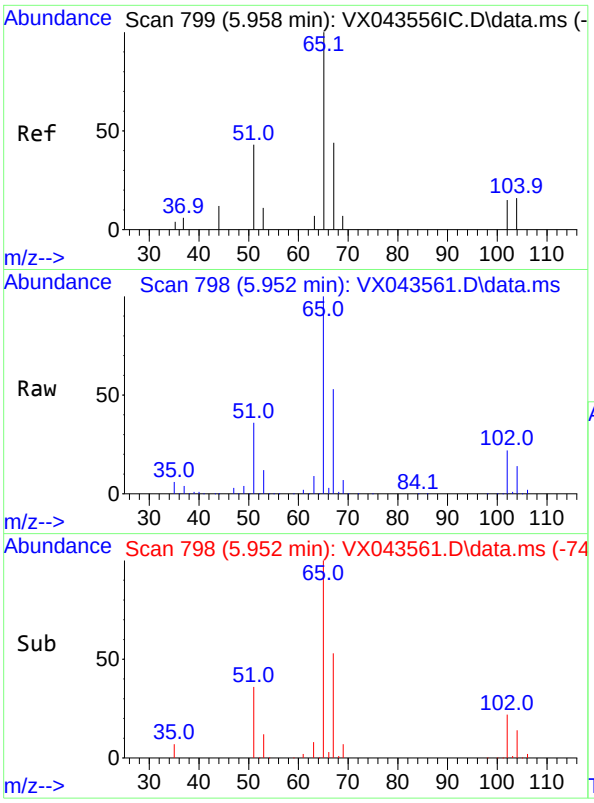


#32
1,1,1-Trichloroethane
Concen: 143.818 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 97 Resp: 407373

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	40.6	34.0	51.0



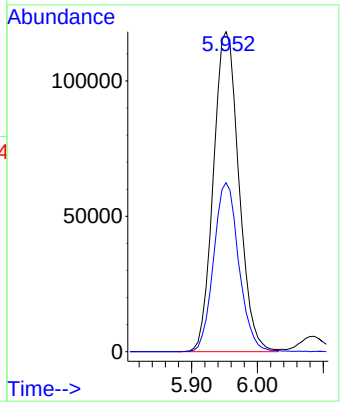


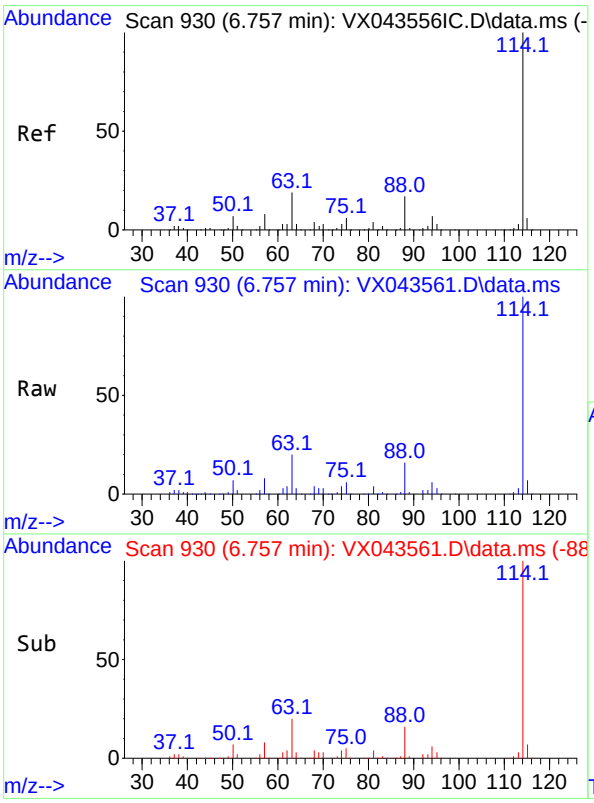
#33
1,2-Dichloroethane-d4
Concen: 138.969 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 318806

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.4

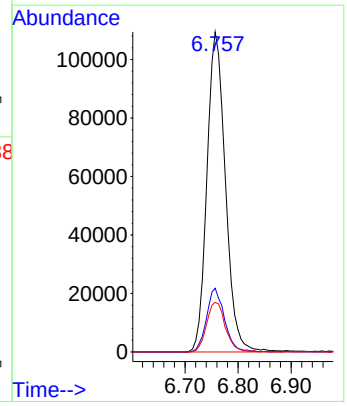


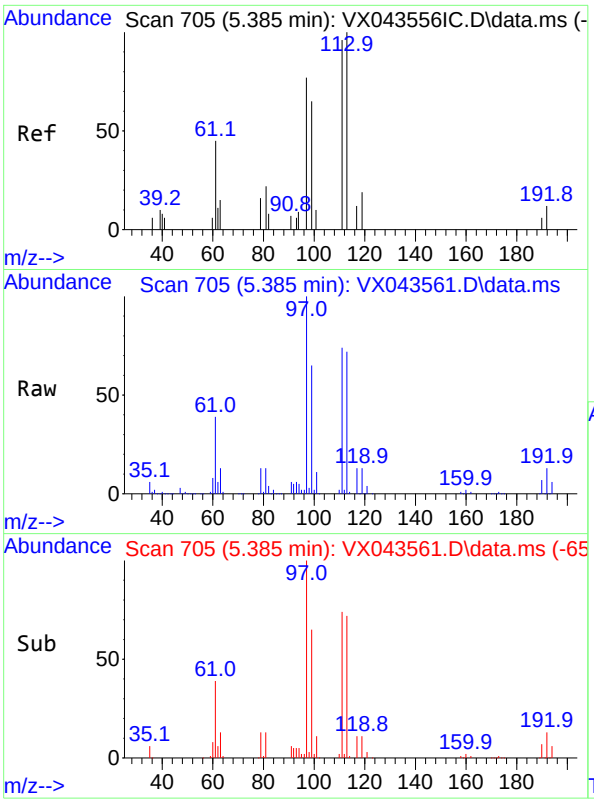


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:114 Resp: 264800

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	15.5	0.0	34.0



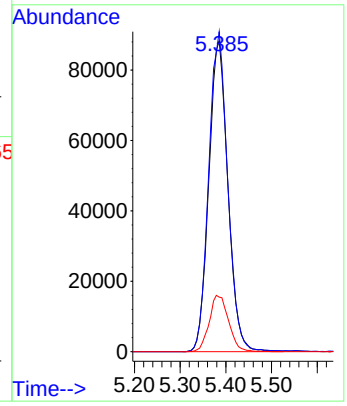


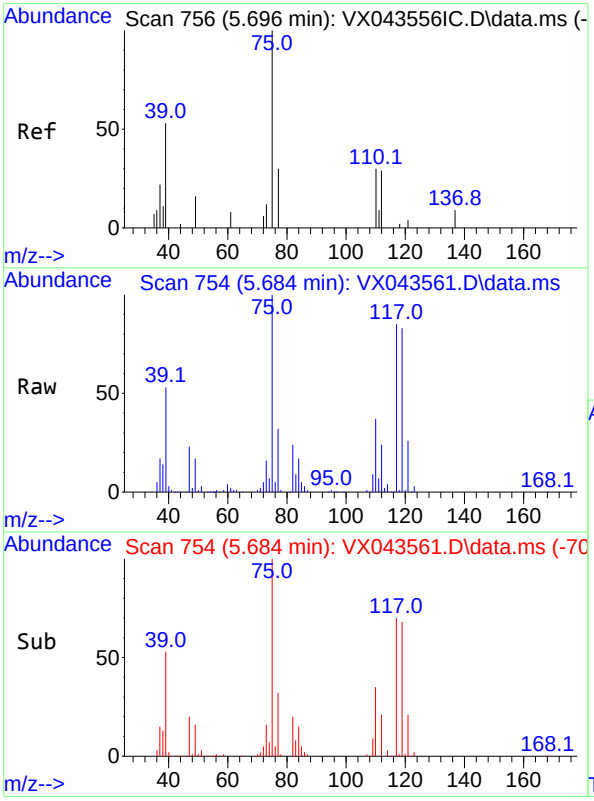
#35
Dibromofluoromethane
Concen: 145.381 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 256339

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	18.4	14.1	21.1

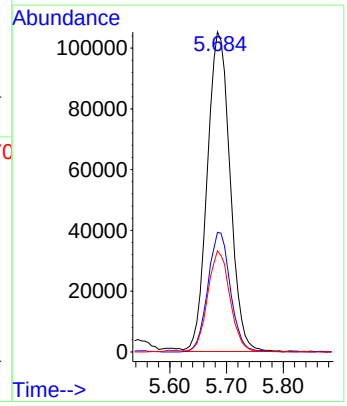


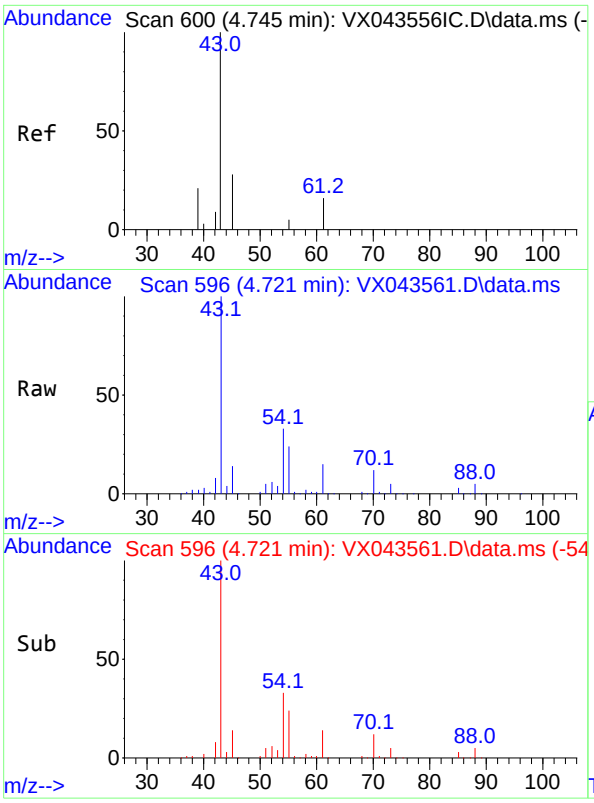


#36
1,1-Dichloropropene
Concen: 140.377 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 292944

Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.9	53.7
77	31.1	25.0	37.4



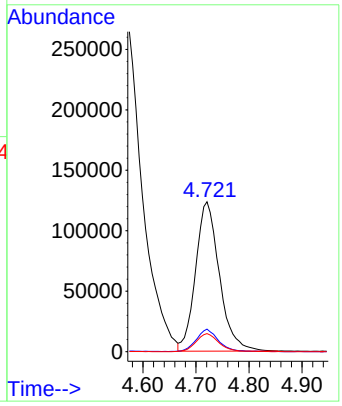


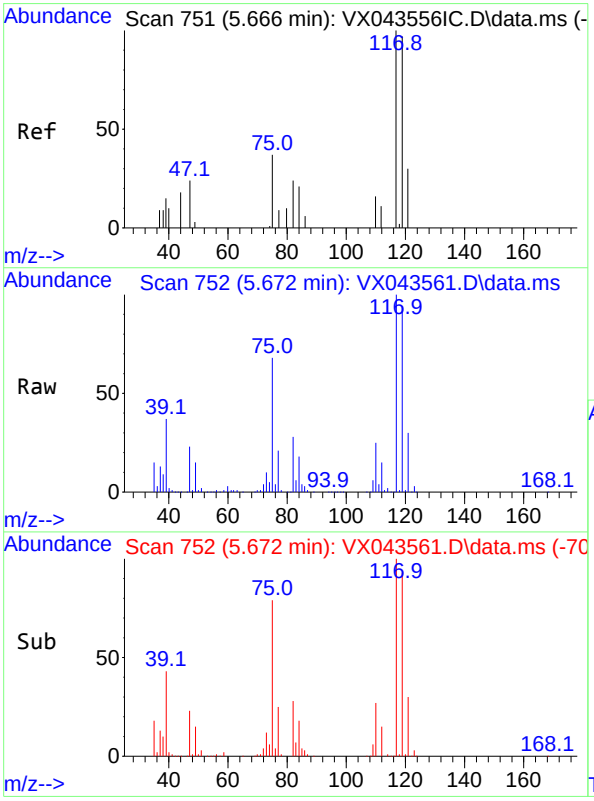
#37
Ethyl Acetate
Concen: 135.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 384683

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	11.7	8.9	13.3

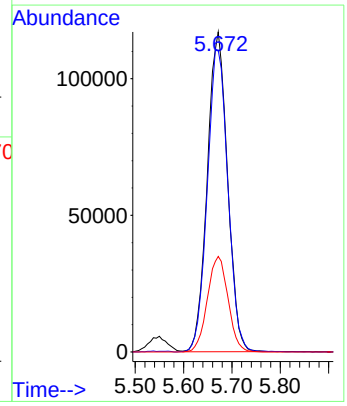


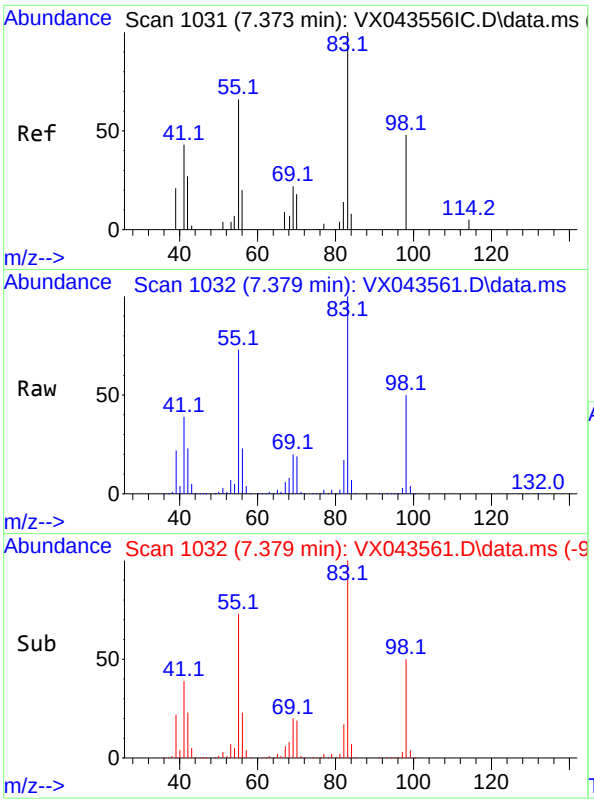


#38
Carbon Tetrachloride
Concen: 143.607 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:117 Resp: 340536

Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.0	115.6
121	29.9	24.7	37.1



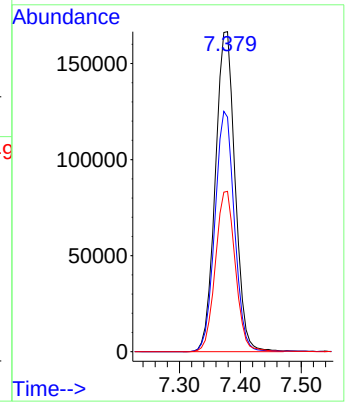


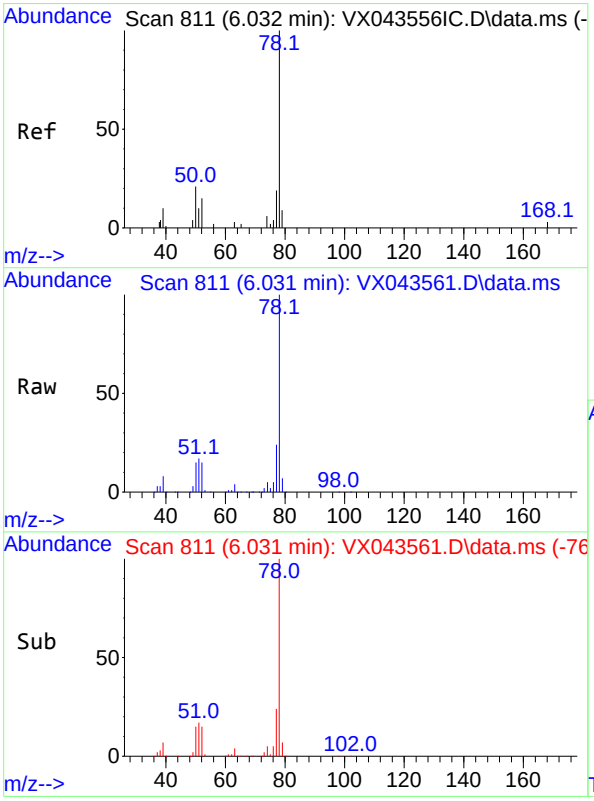
#39
Methylcyclohexane
Concen: 140.469 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 375923

Ion	Ratio	Lower	Upper
83	100		
55	73.3	59.9	89.9
98	50.1	41.3	61.9

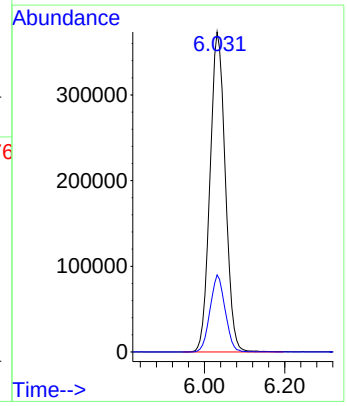


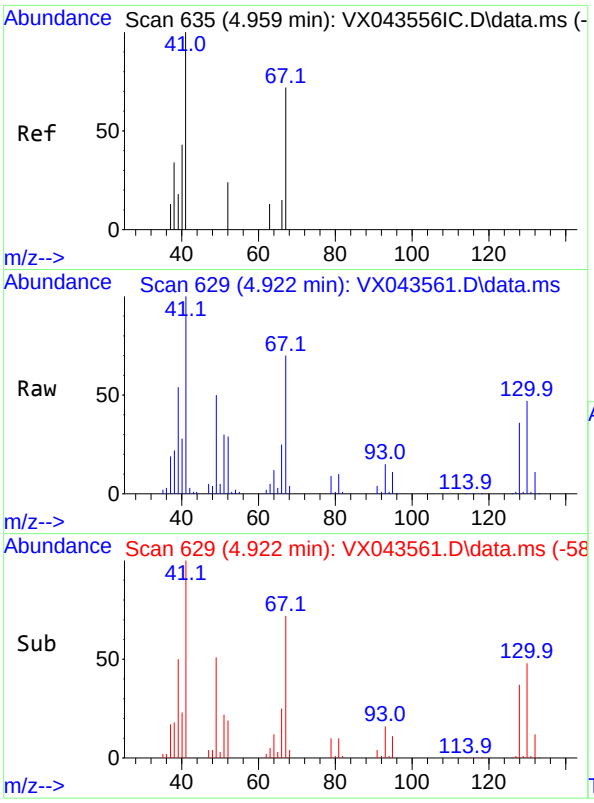


#40
Benzene
Concen: 141.848 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 78 Resp: 989523

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6



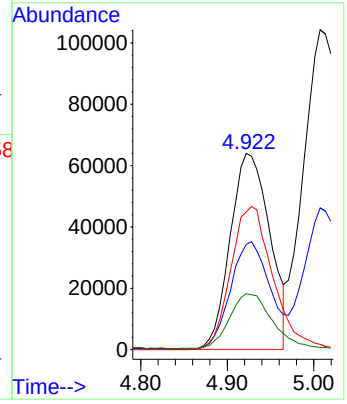


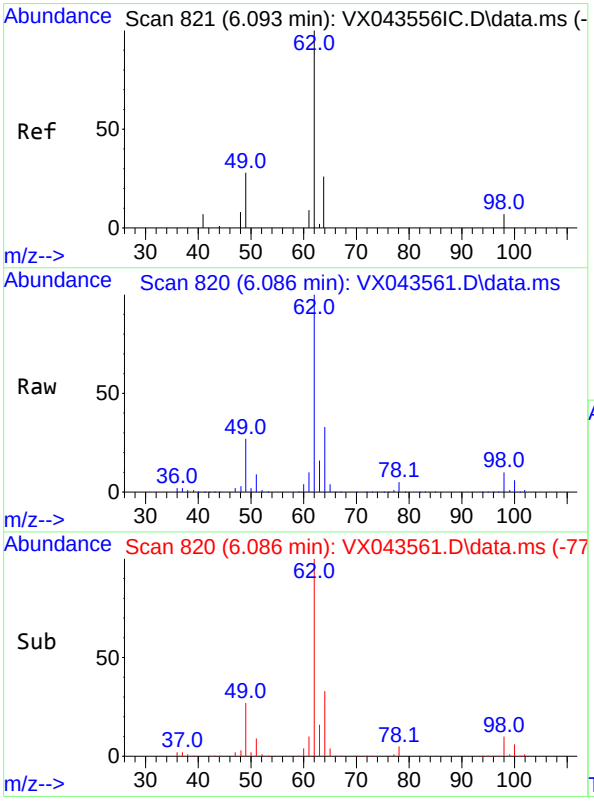
#41
Methacrylonitrile
Concen: 141.732 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 203044

Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.5	65.3
67	78.3	58.3	87.5
52	32.3	24.6	37.0

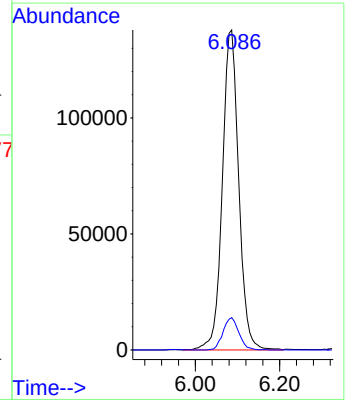


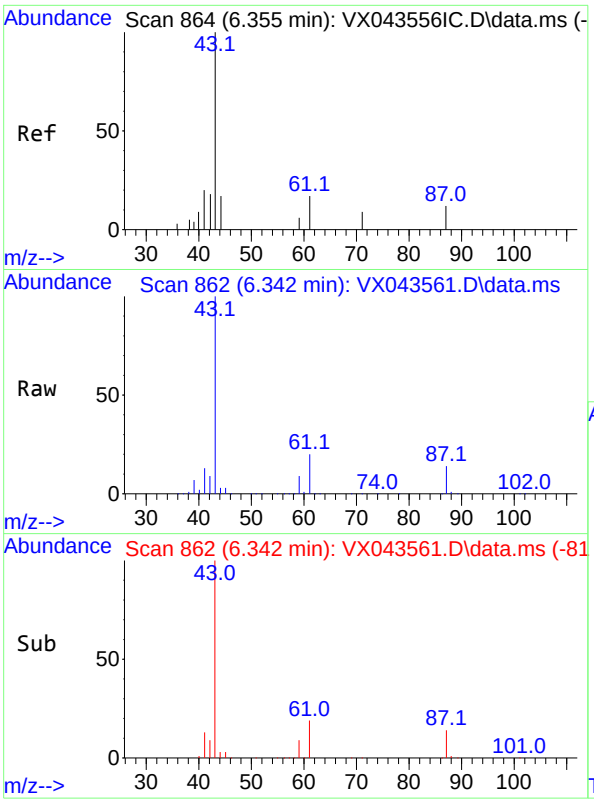


#42
1,2-Dichloroethane
Concen: 144.284 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 62 Resp: 370244

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8



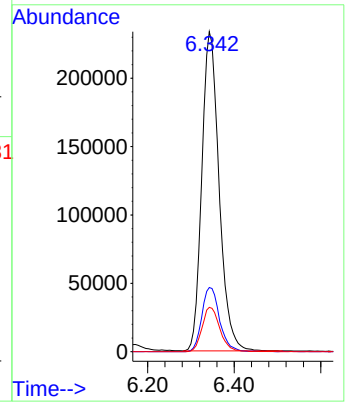


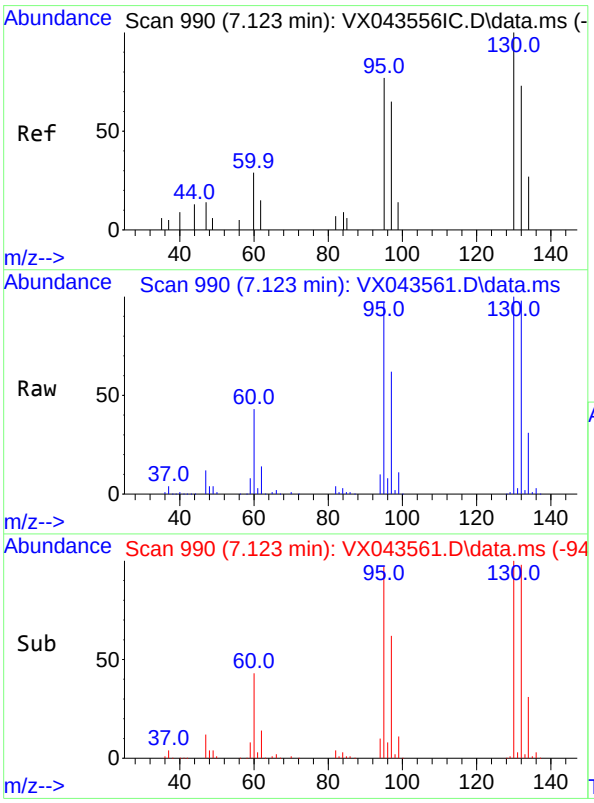
#43
Isopropyl Acetate
Concen: 143.566 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 646810

Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.2	24.4
87	14.2	11.0	16.6

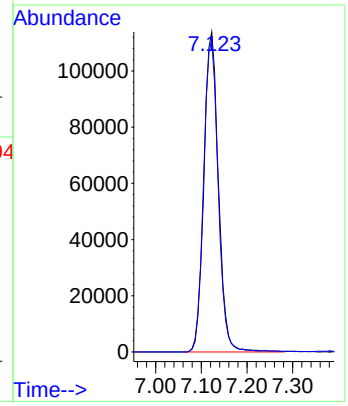


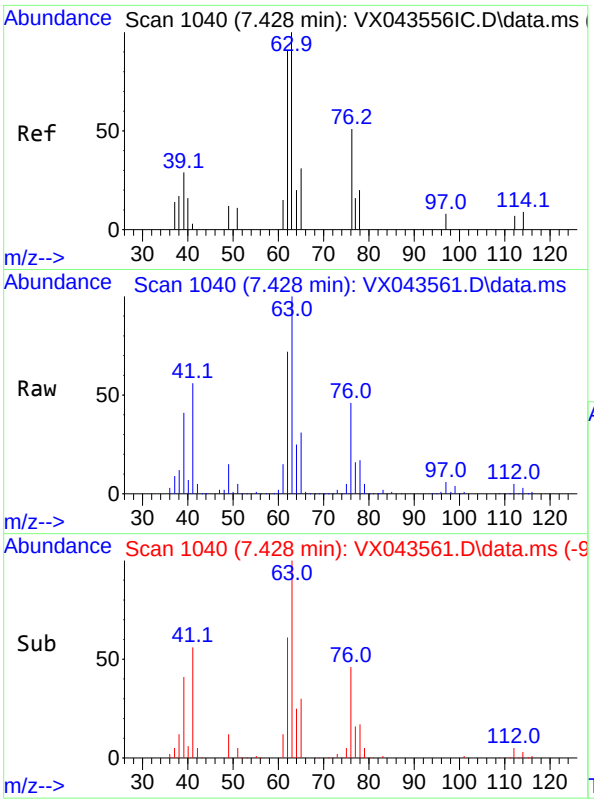


#44
Trichloroethene
Concen: 152.200 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:130 Resp: 251726

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	202.6



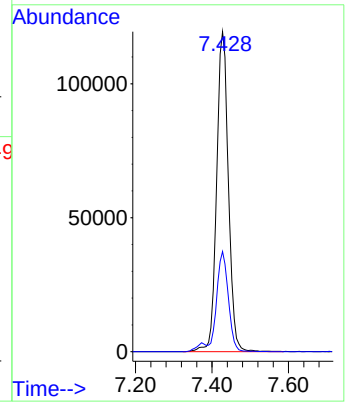


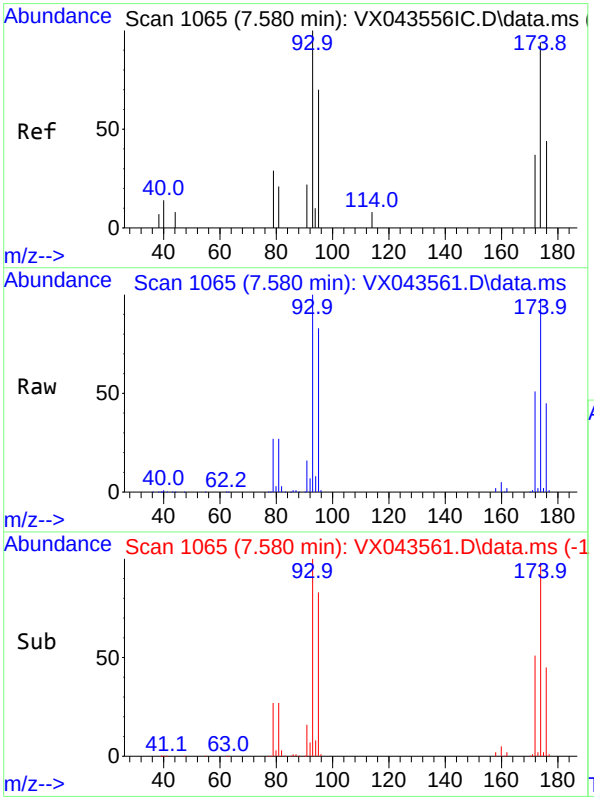
#45
1,2-Dichloropropane
Concen: 149.267 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 254281

Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7

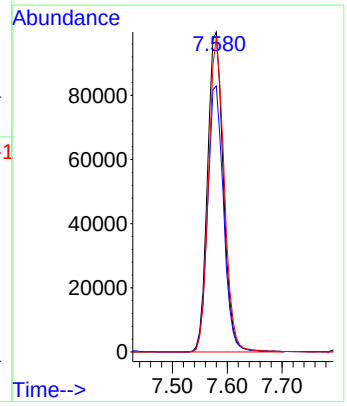


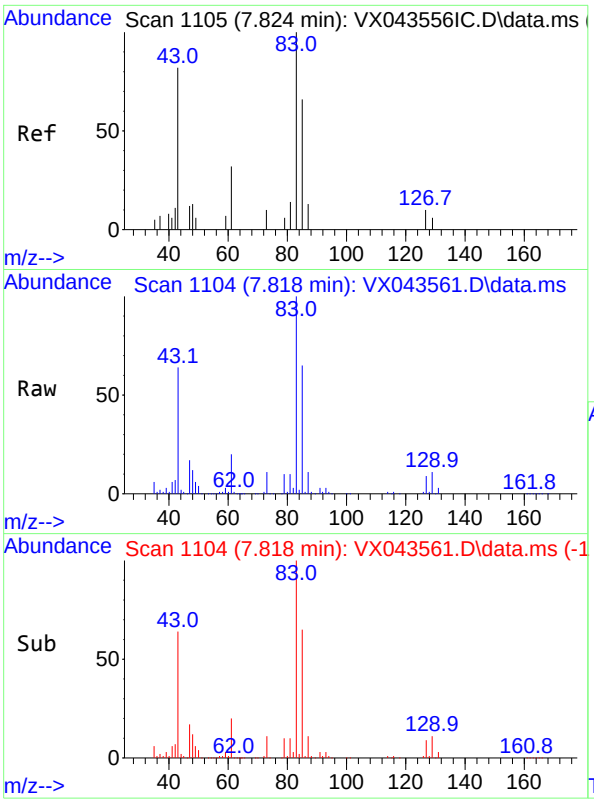


#46
Dibromomethane
Concen: 153.073 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 93 Resp: 200317

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.3	75.0	112.4



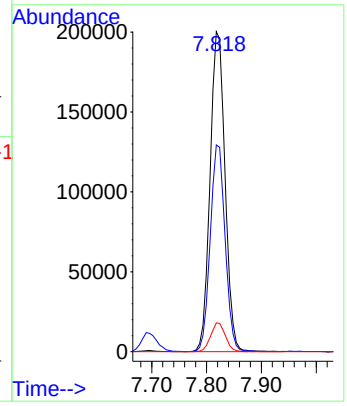


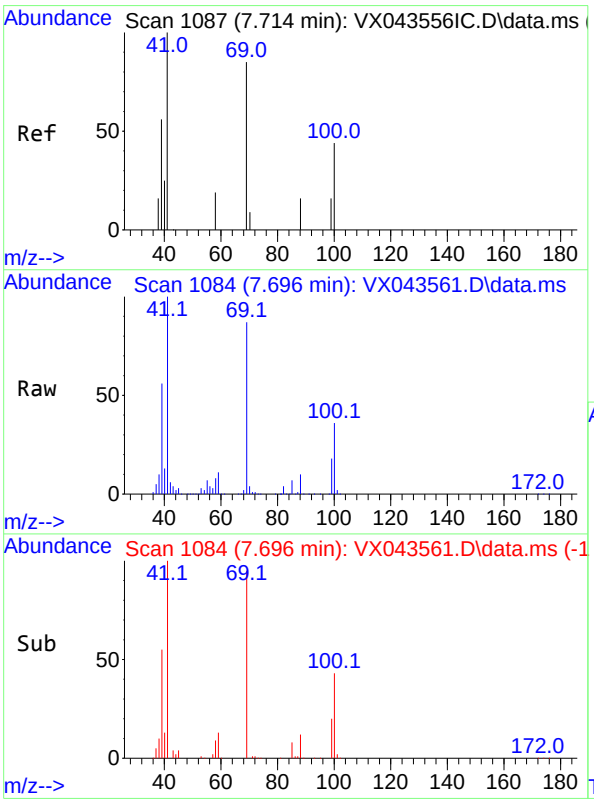
#47
Bromodichloromethane
Concen: 163.366 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 379264

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	9.0	7.1	10.7

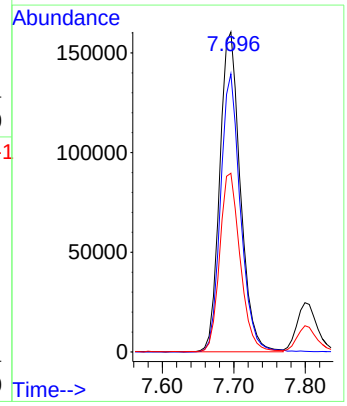


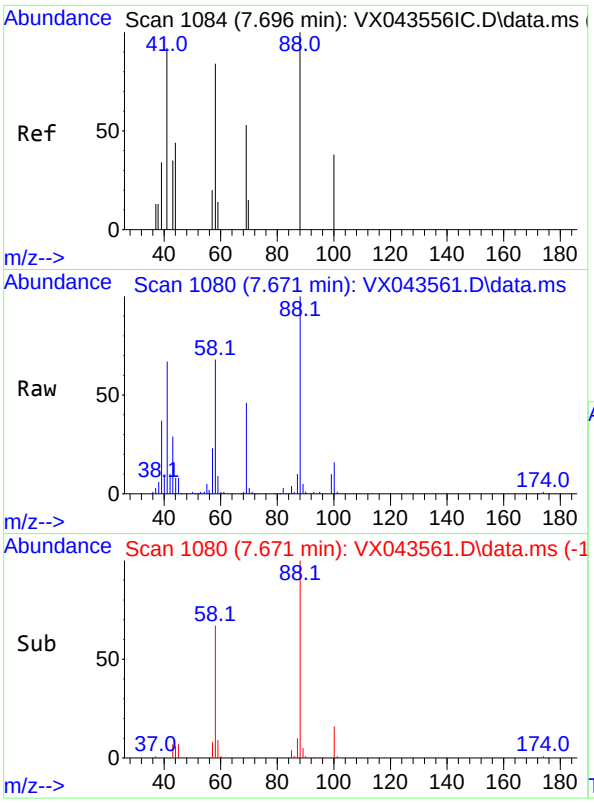


#48
Methyl methacrylate
Concen: 152.537 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 41 Resp: 320841

Ion	Ratio	Lower	Upper
41	100		
69	84.3	67.7	101.5
39	55.4	46.3	69.5



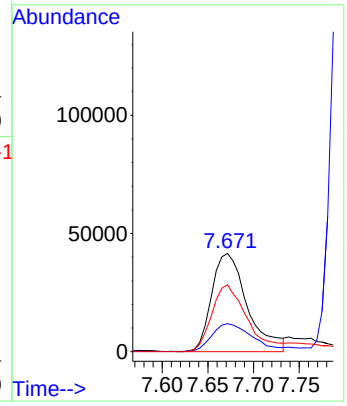


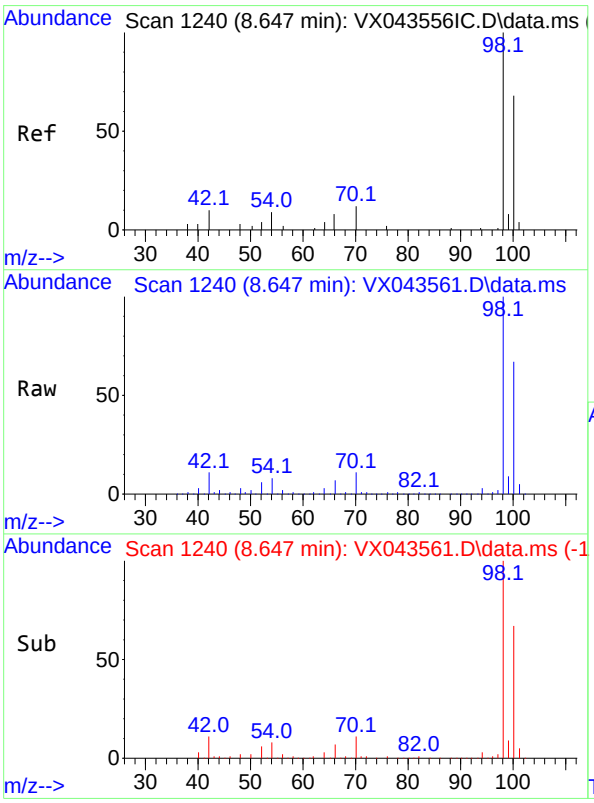
#49
1,4-Dioxane
Concen: 2091.122 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 113004

Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.3	37.9
58	67.3	53.9	80.9

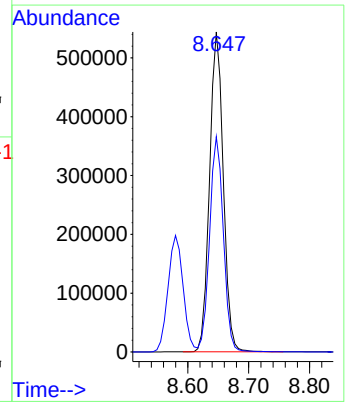


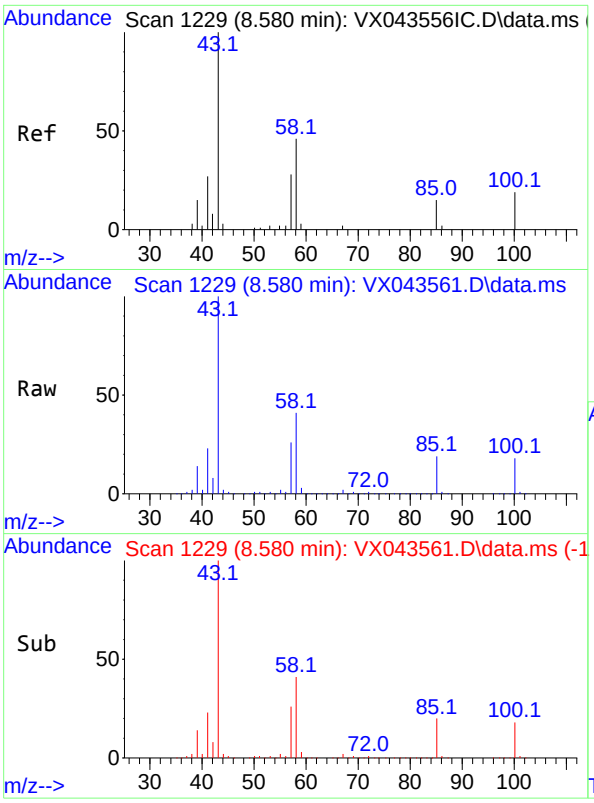


#50
Toluene-d8
Concen: 139.313 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 98 Resp: 851731

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.2



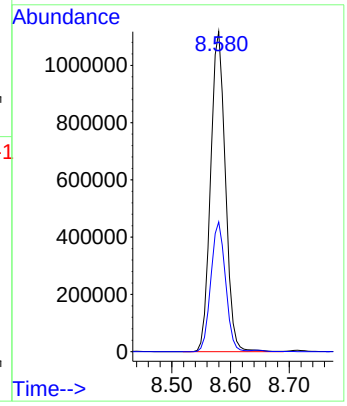


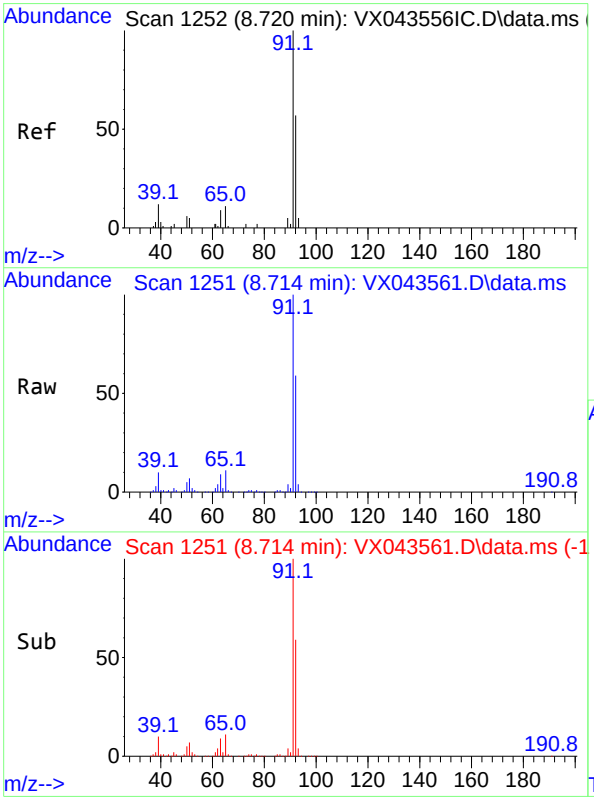
#51
4-Methyl-2-Pentanone
Concen: 682.697 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1948870

Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.7	47.5

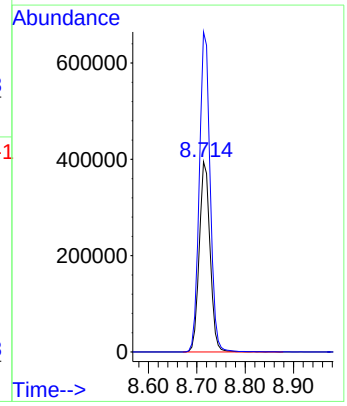


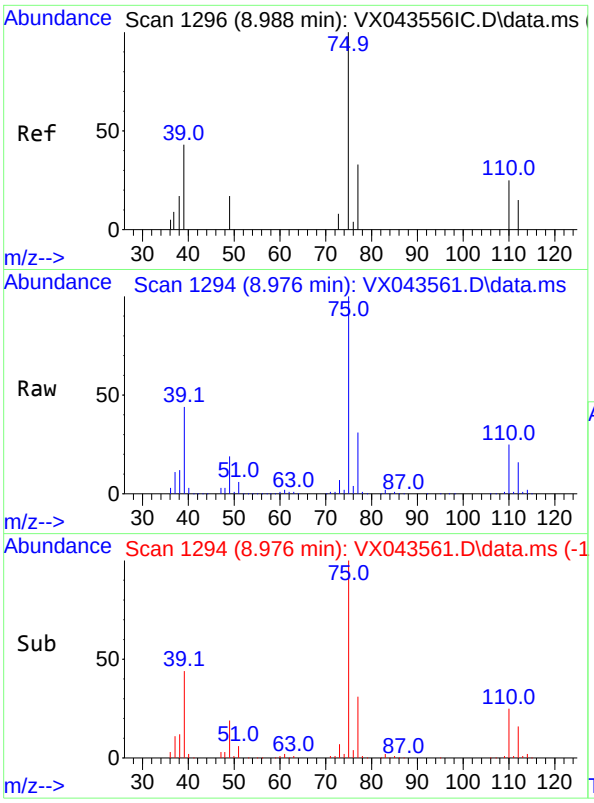


#52
Toluene
Concen: 142.120 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 92 Resp: 611241

Ion	Ratio	Lower	Upper
92	100		
91	168.5	135.7	203.5



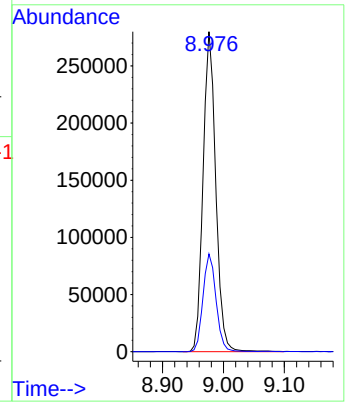


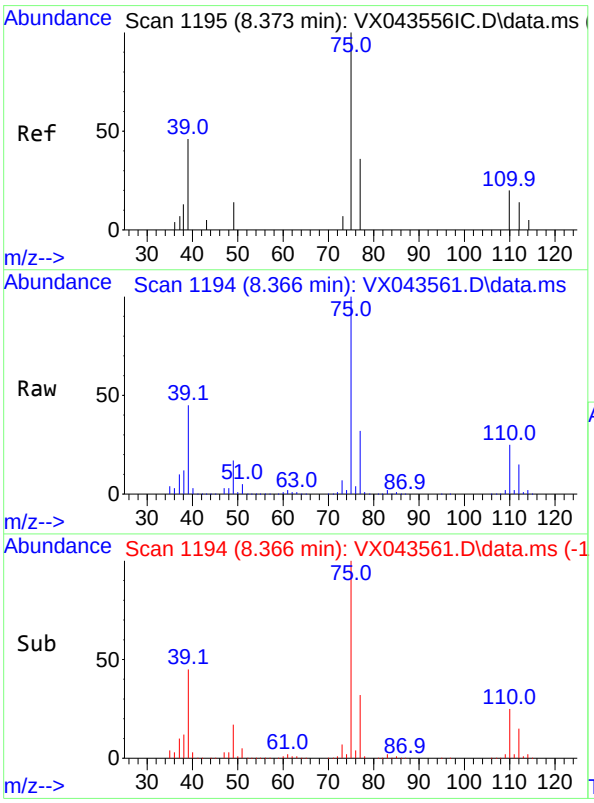
#53
t-1,3-Dichloropropene
Concen: 172.509 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 405296

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0

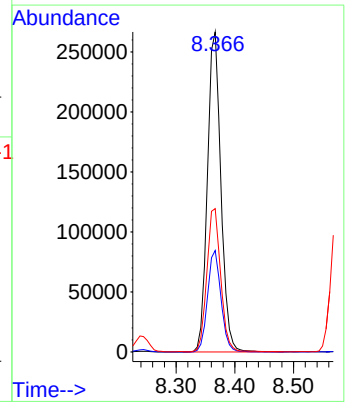


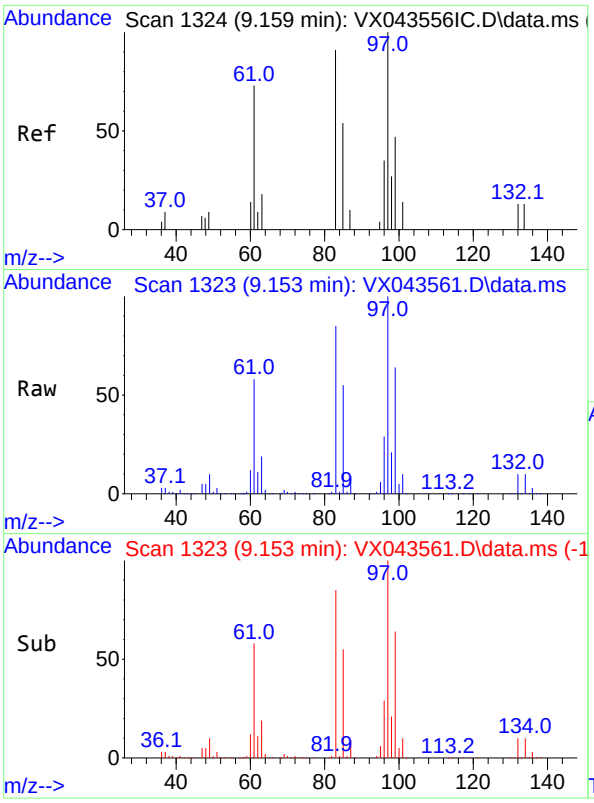


#54
cis-1,3-Dichloropropene
Concen: 165.131 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 426054

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	44.7	37.7	56.5



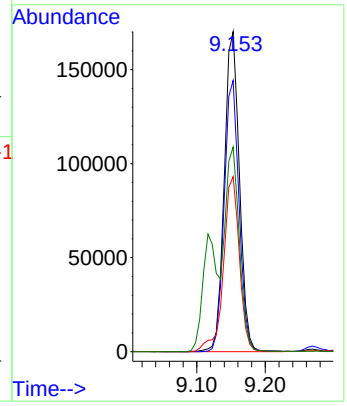


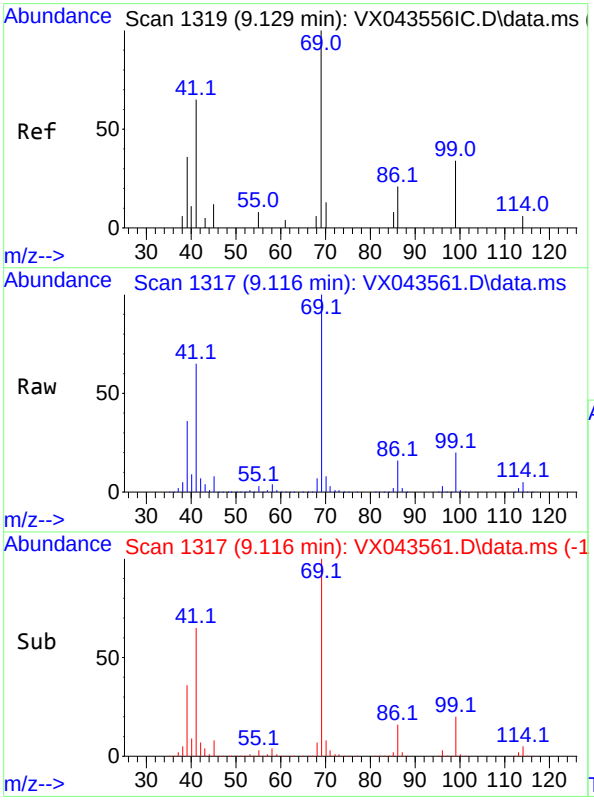
#55
1,1,2-Trichloroethane
Concen: 143.100 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 259723

Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.3	100.9
85	54.7	43.6	65.4
99	64.0	50.6	75.8

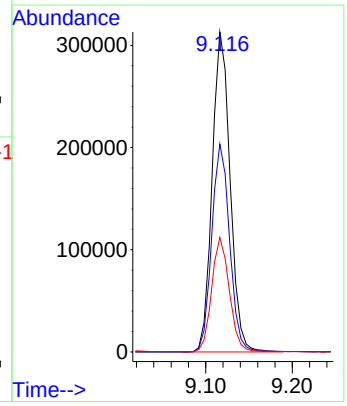


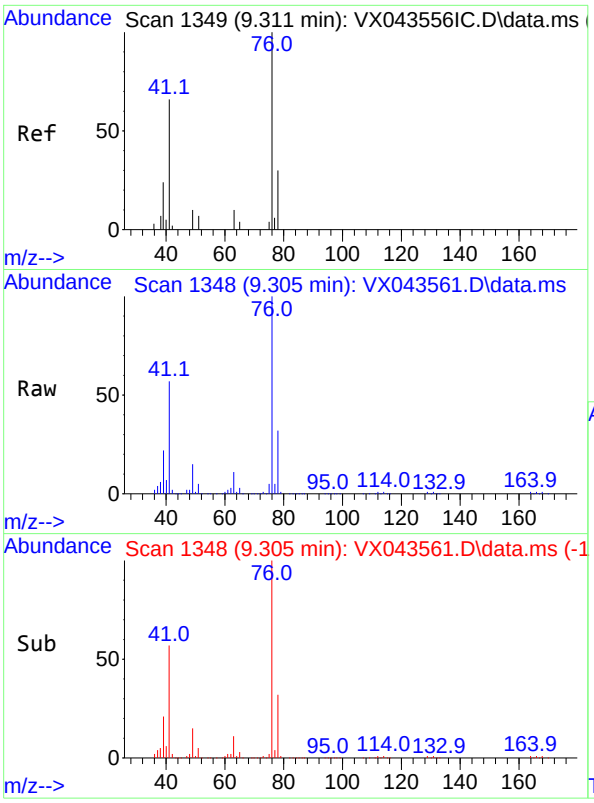


#56
Ethyl methacrylate
Concen: 153.315 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 69 Resp: 449693

Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.8	80.8
39	35.4	29.9	44.9



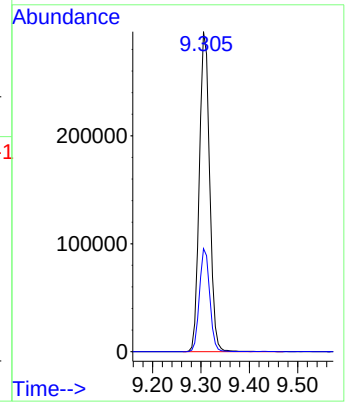


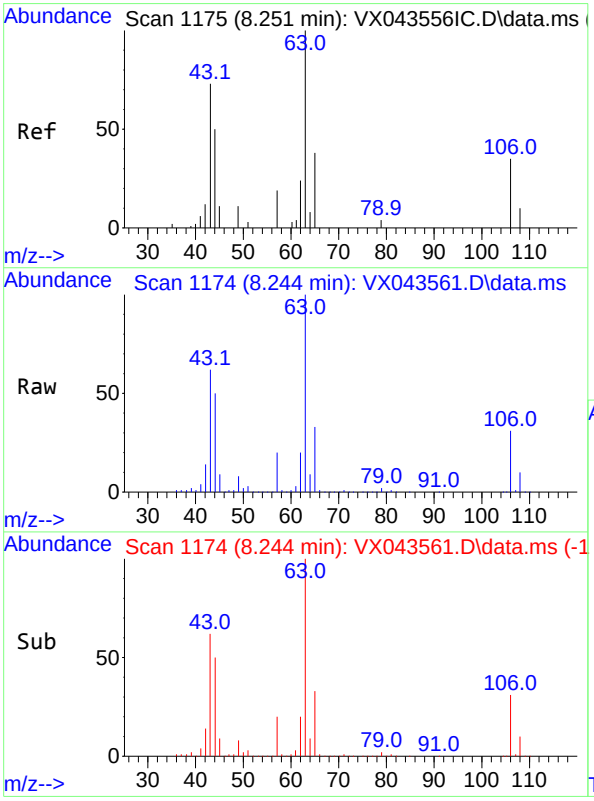
#57
1,3-Dichloropropane
Concen: 146.096 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 437811

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

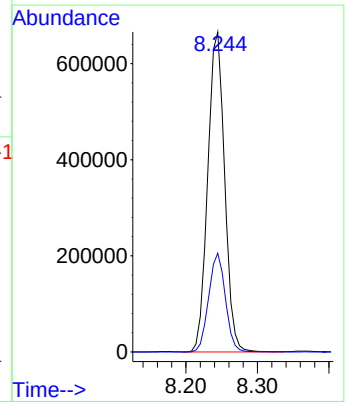


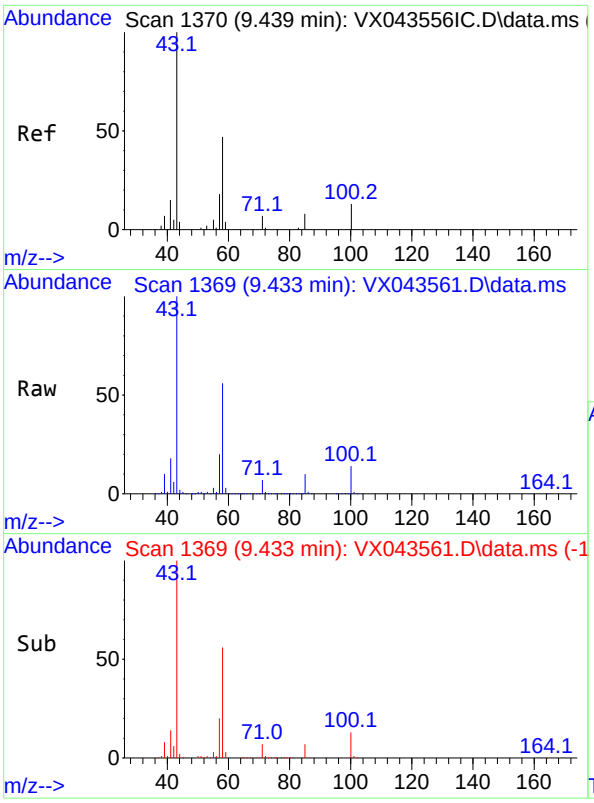


#58
2-Chloroethyl Vinyl ether
Concen: 756.448 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 63 Resp: 1091414

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4



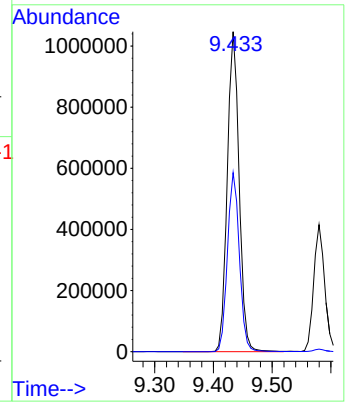


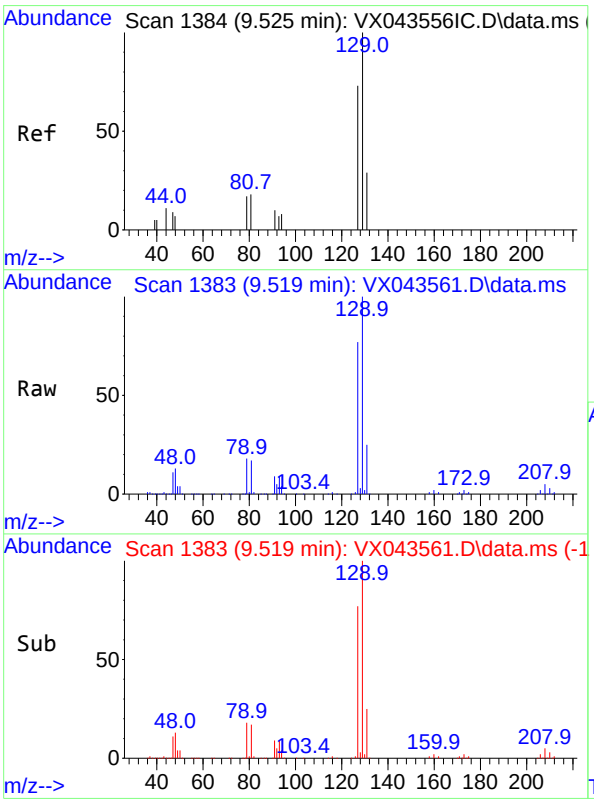
#59
2-Hexanone
Concen: 677.655 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1462736

Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.5	82.5

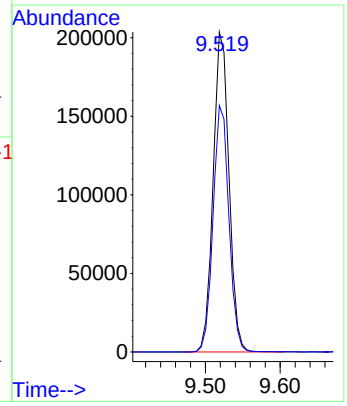


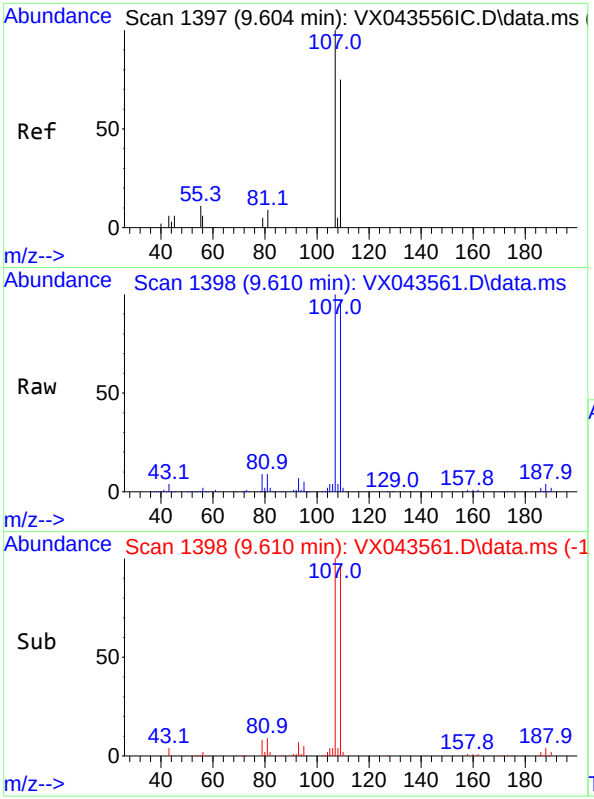


#60
Dibromochloromethane
Concen: 176.144 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:129 Resp: 299138

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.4	115.1



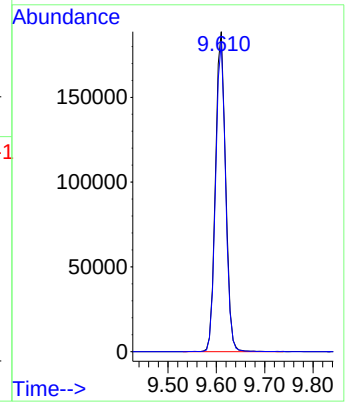


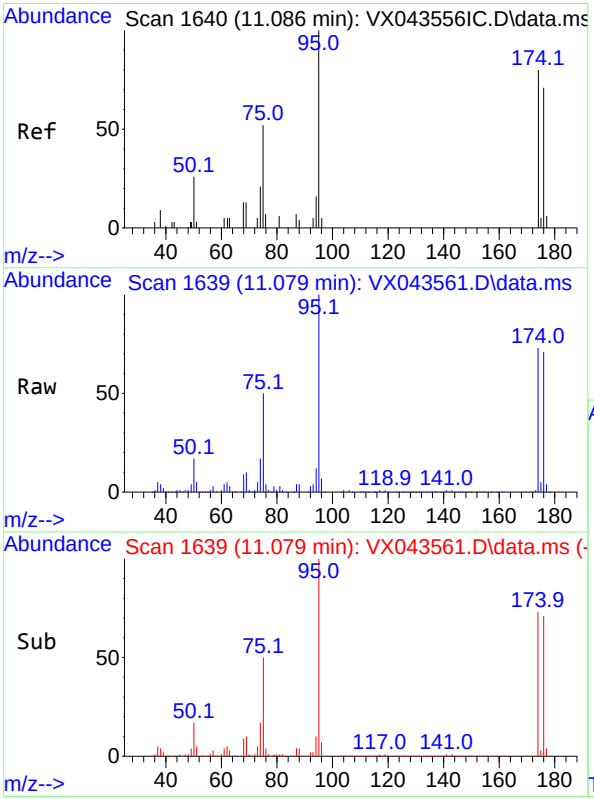
#61
1,2-Dibromoethane
Concen: 150.355 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 275091

Ion	Ratio	Lower	Upper
107	100		
109	95.5	77.1	115.7

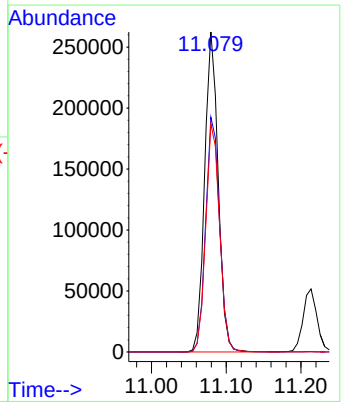


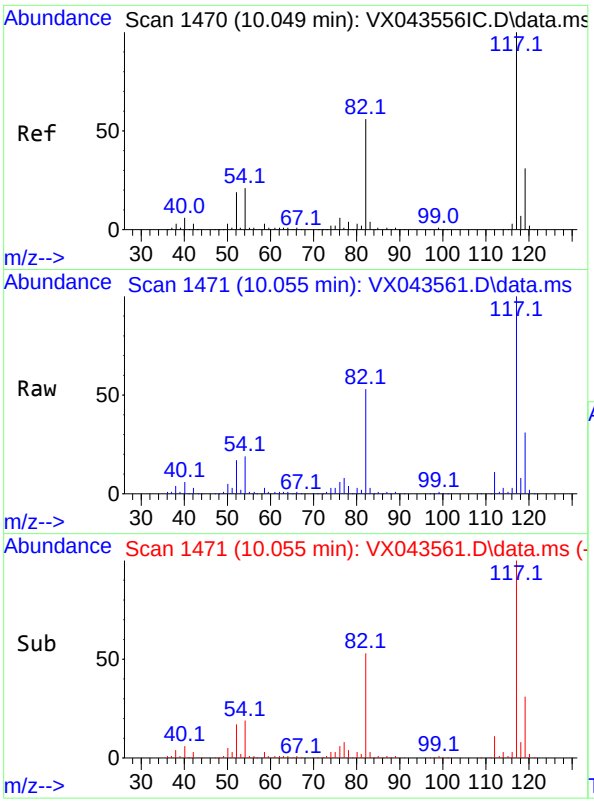


#62
4-Bromofluorobenzene
Concen: 147.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 95 Resp: 329323

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	146.6
176	73.1	0.0	139.6



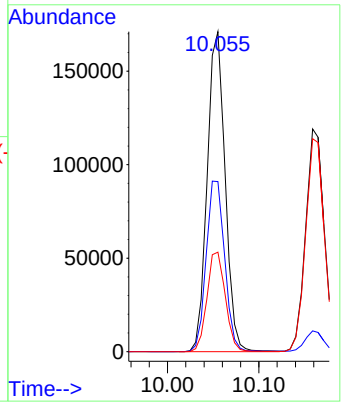


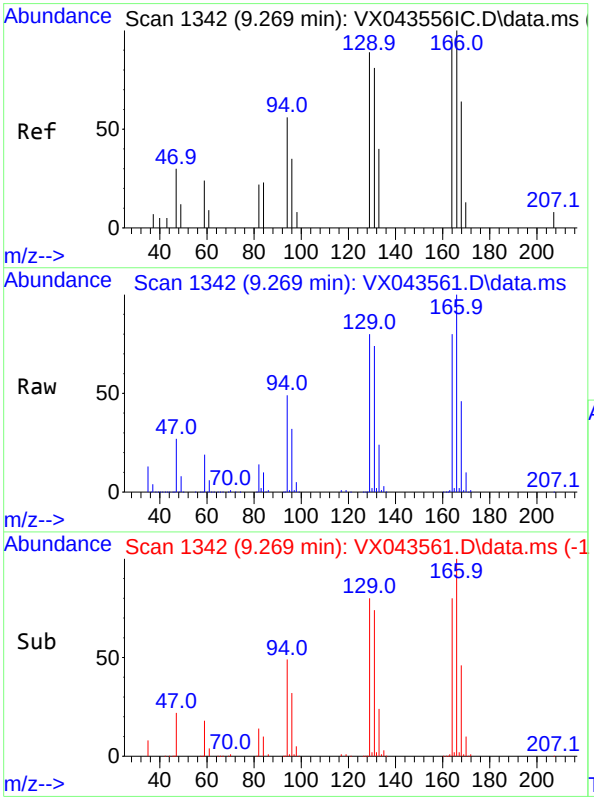
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 232776

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	31.1	25.4	38.2

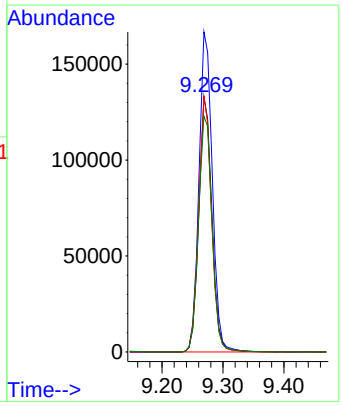


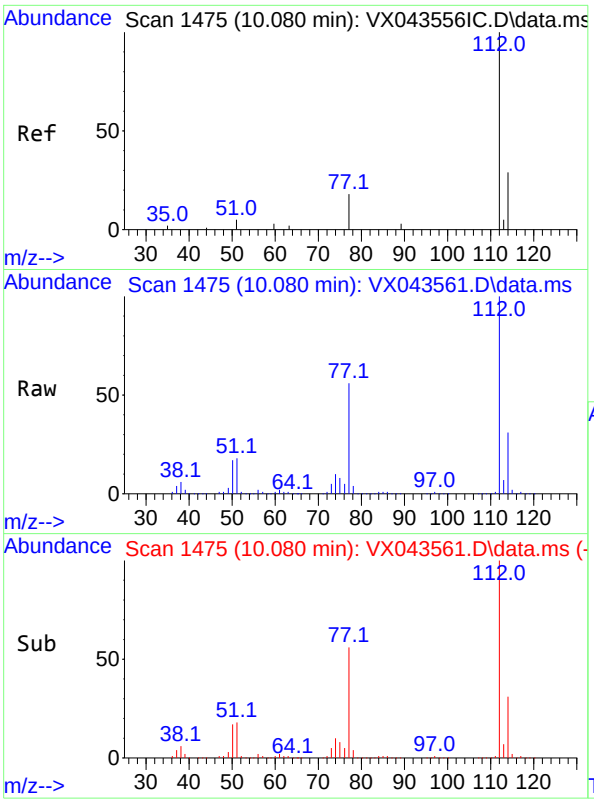


#64
Tetrachloroethene
Concen: 136.289 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:164 Resp: 198596

Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.8	155.6
129	100.2	83.8	125.6
131	92.3	80.6	121.0



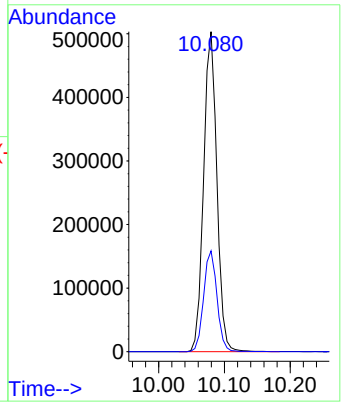


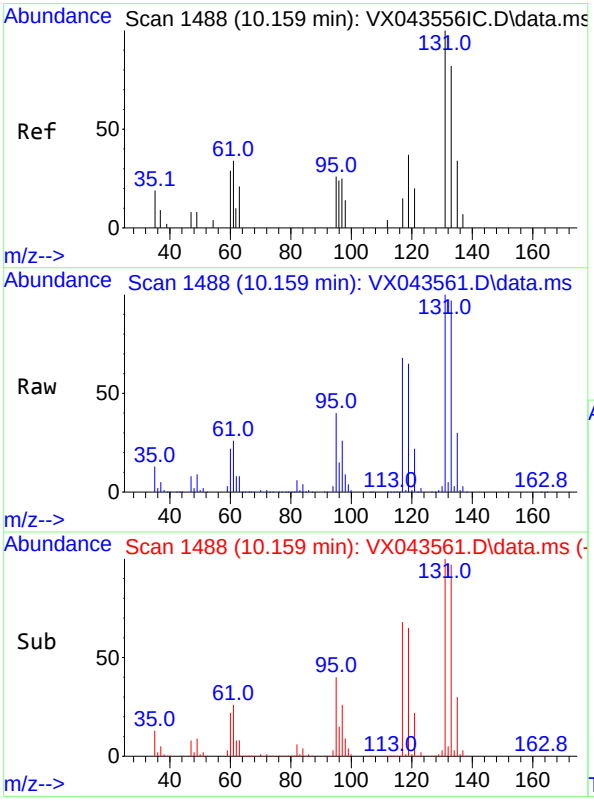
#65
Chlorobenzene
Concen: 145.269 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 703451

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

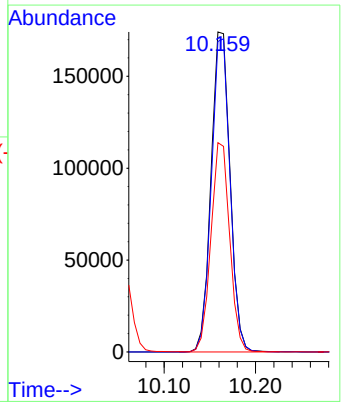


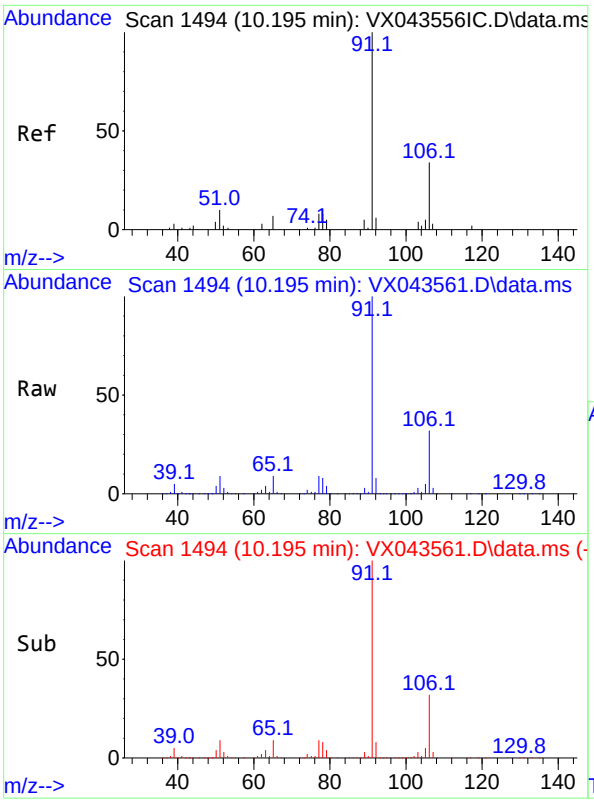


#66
1,1,1,2-Tetrachloroethane
Concen: 153.341 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:131 Resp: 250797

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	64.8	32.3	96.9



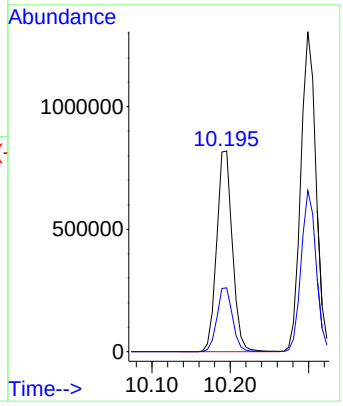


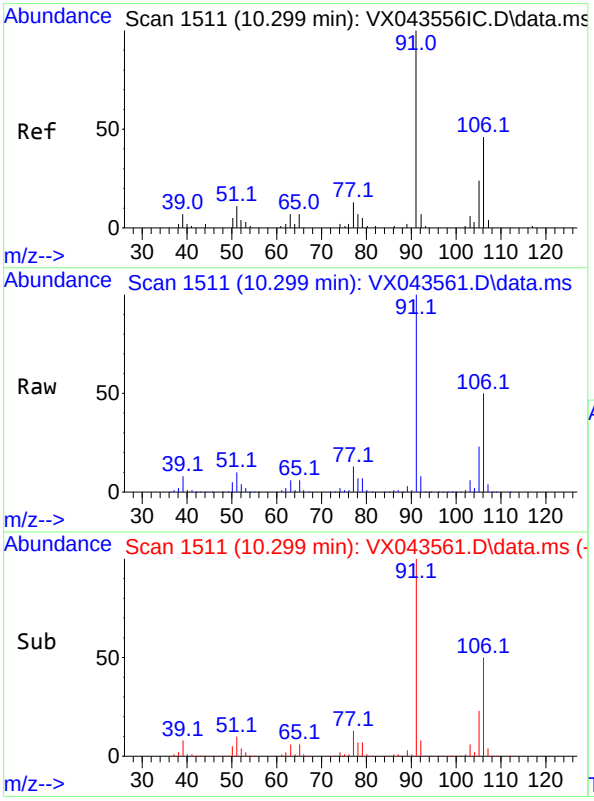
#67
Ethyl Benzene
Concen: 141.675 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1141257

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.4	38.2

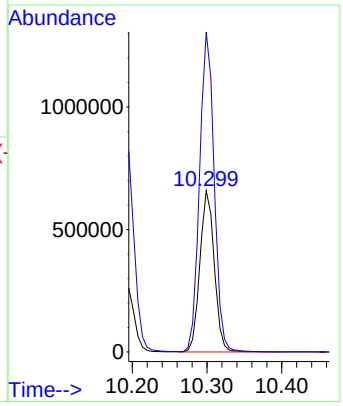


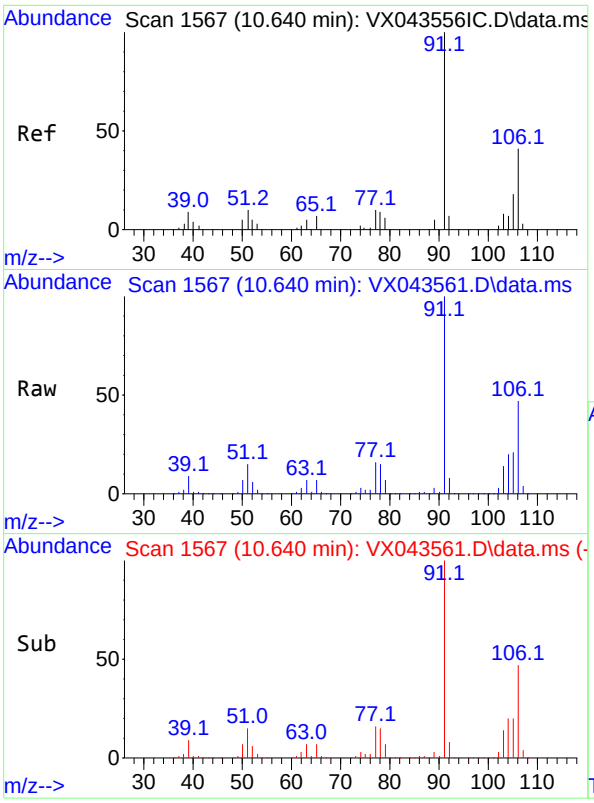


#68
m/p-Xylenes
Concen: 287.969 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:106 Resp: 878867

Ion	Ratio	Lower	Upper
106	100		
91	201.6	164.7	247.1



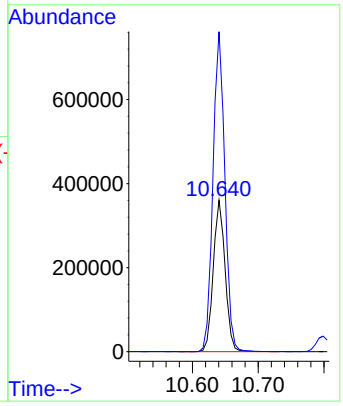


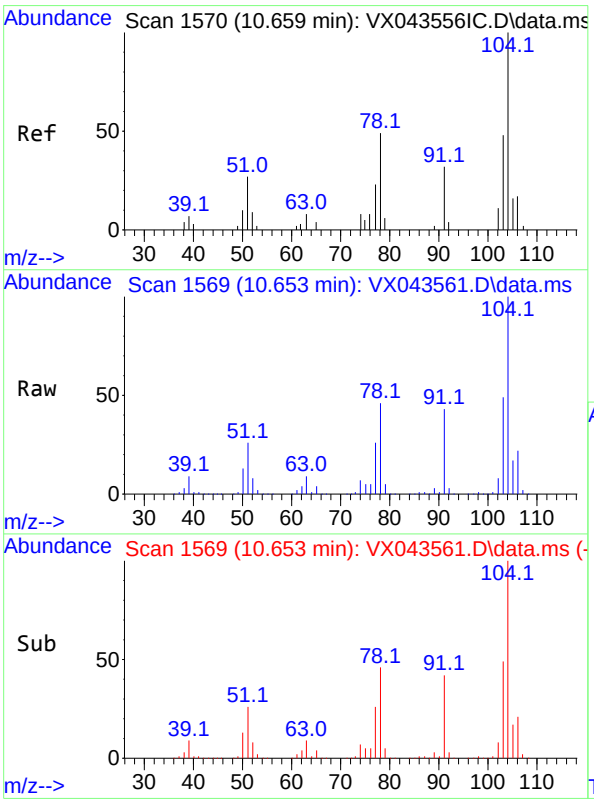
#69
o-Xylene
Concen: 143.559 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 450386

Ion	Ratio	Lower	Upper
106	100		
91	212.3	107.9	323.7

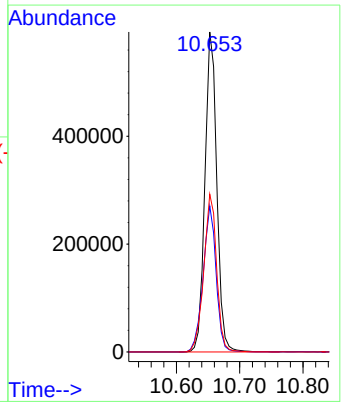


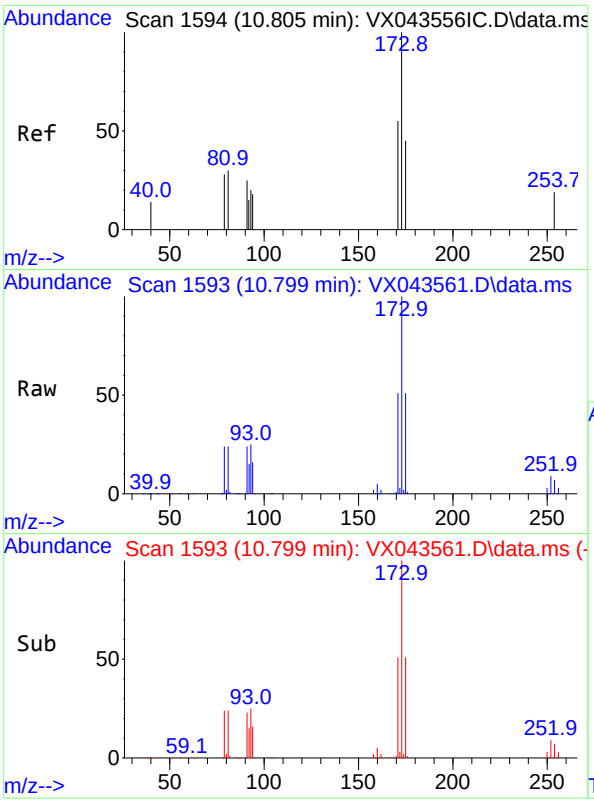


#70
Styrene
Concen: 153.173 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:104 Resp: 777762

Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.0	60.0
103	53.6	43.4	65.0



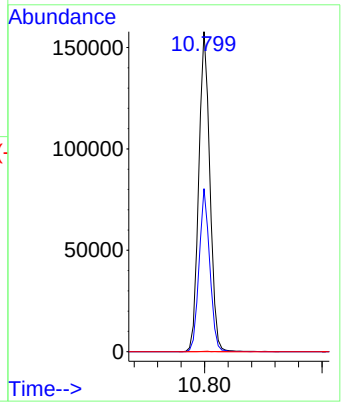


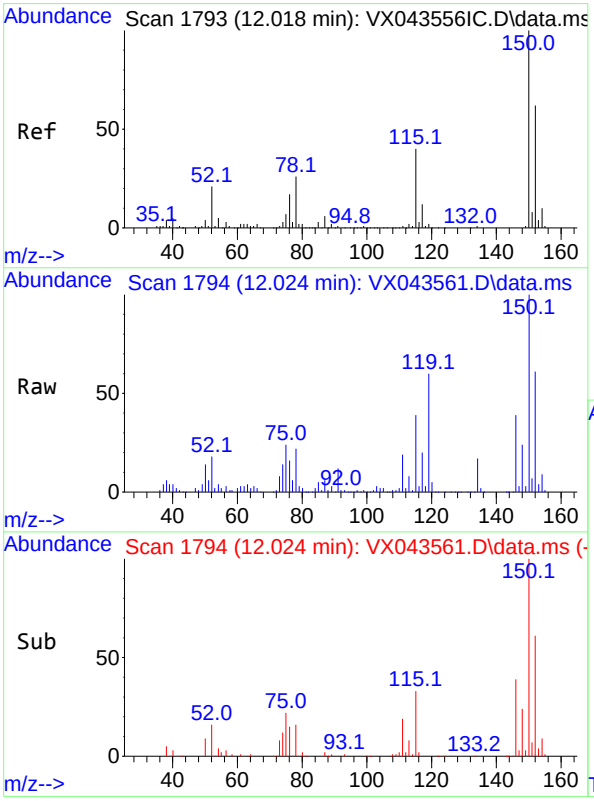
#71
Bromoform
Concen: 188.187 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 207497

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.3	69.9
254	0.1	0.0	0.0#

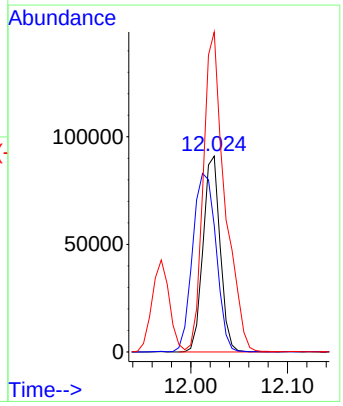


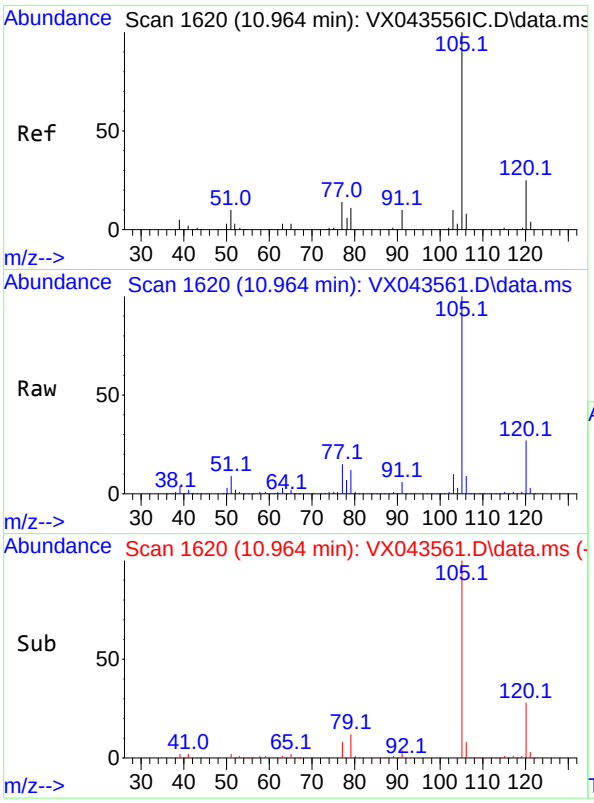


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:152 Resp: 112300

Ion	Ratio	Lower	Upper
152	100		
115	125.0	42.9	128.7
150	205.6	0.0	343.6



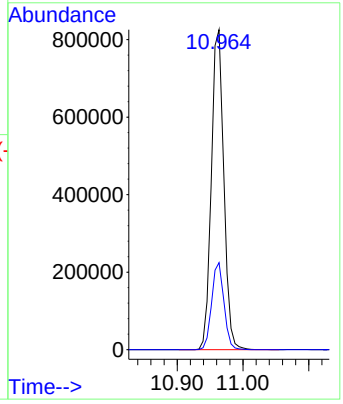


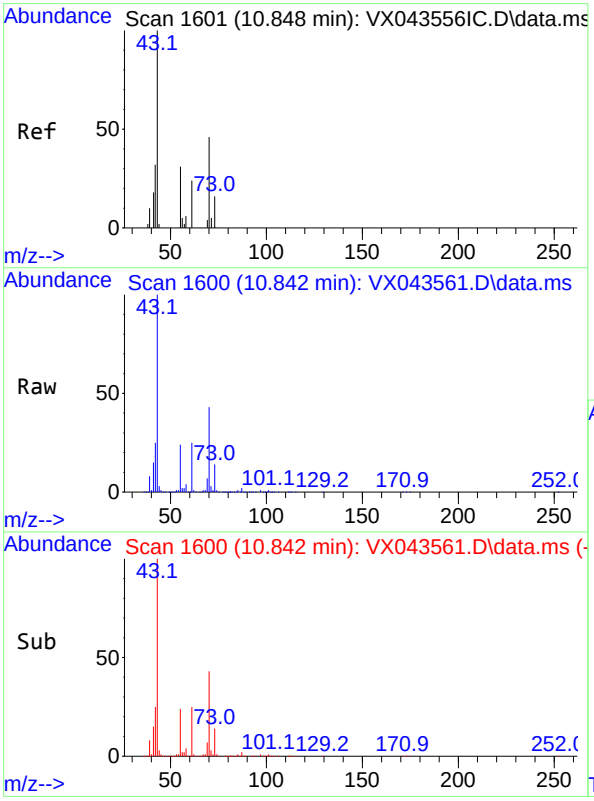
#73
Isopropylbenzene
Concen: 135.577 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1088275

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

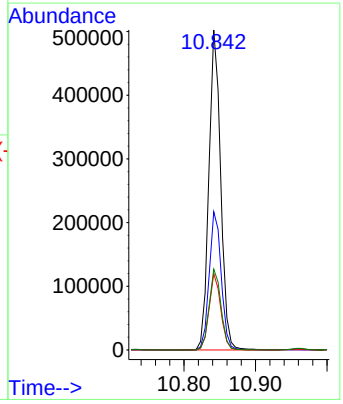


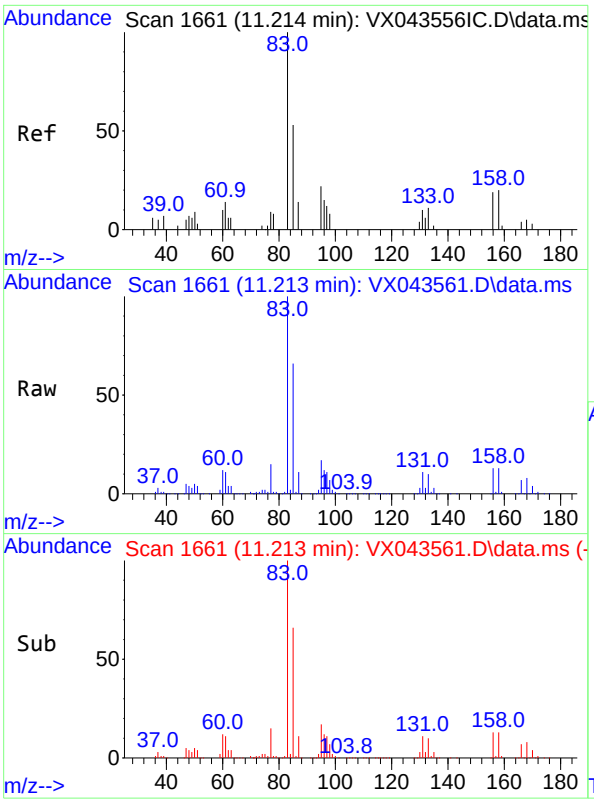


#74
N-amyl acetate
Concen: 142.309 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 43 Resp: 575386

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	52.0
55	23.7	19.6	29.4
61	25.5	20.2	30.2



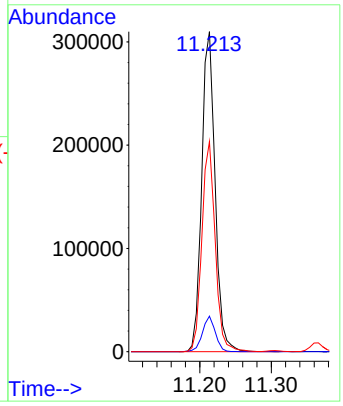


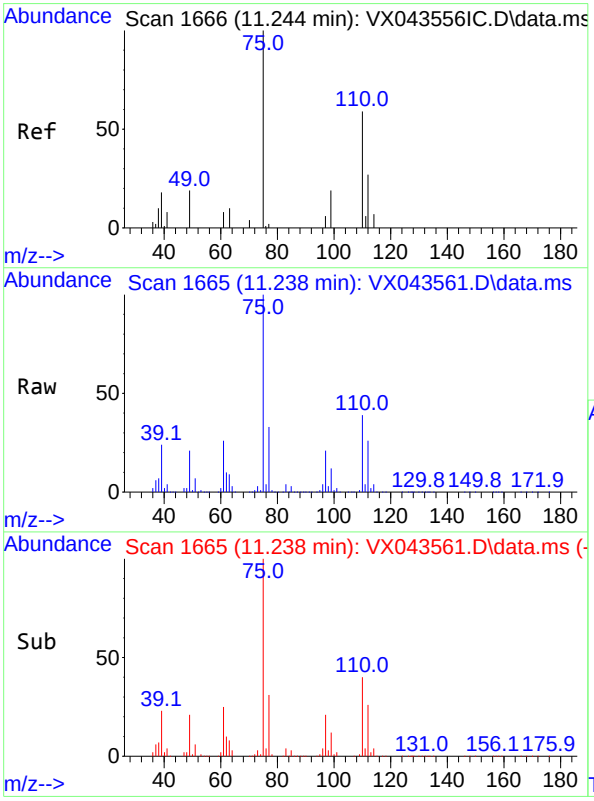
#75
1,1,2,2-Tetrachloroethane
Concen: 130.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 402017

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	15.9
85	65.4	32.4	97.0

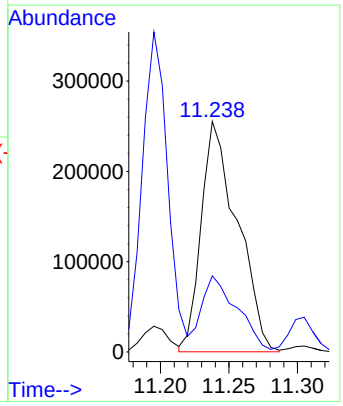


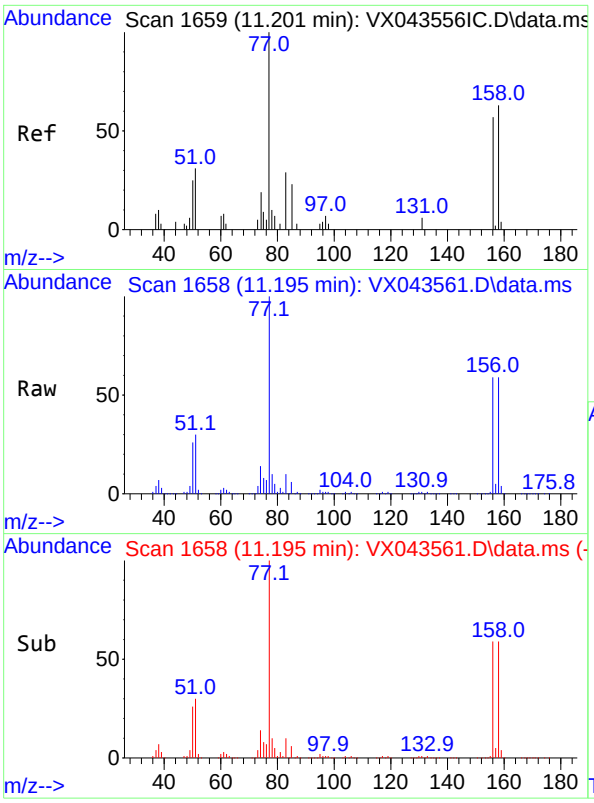


#76
1,2,3-Trichloropropane
Concen: 179.337 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 468187

Ion	Ratio	Lower	Upper
75	100		
77	32.8	22.4	67.2



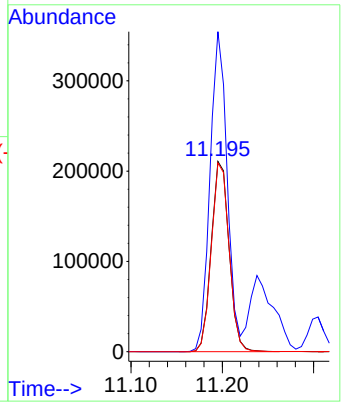


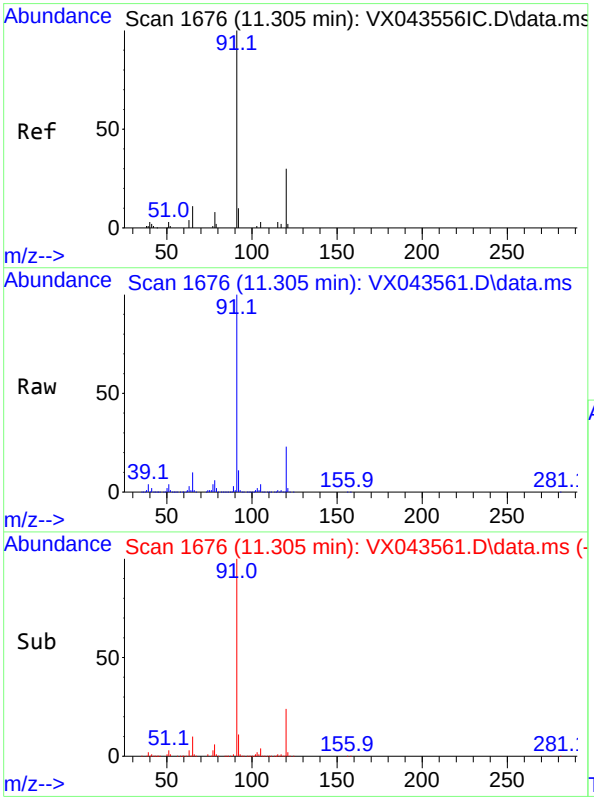
#77
Bromobenzene
Concen: 139.269 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 285385

Ion	Ratio	Lower	Upper
156	100		
77	161.2	79.7	239.1
158	98.7	48.0	144.0

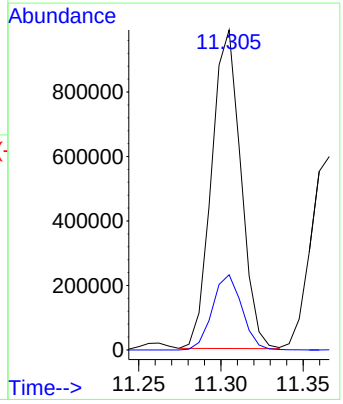


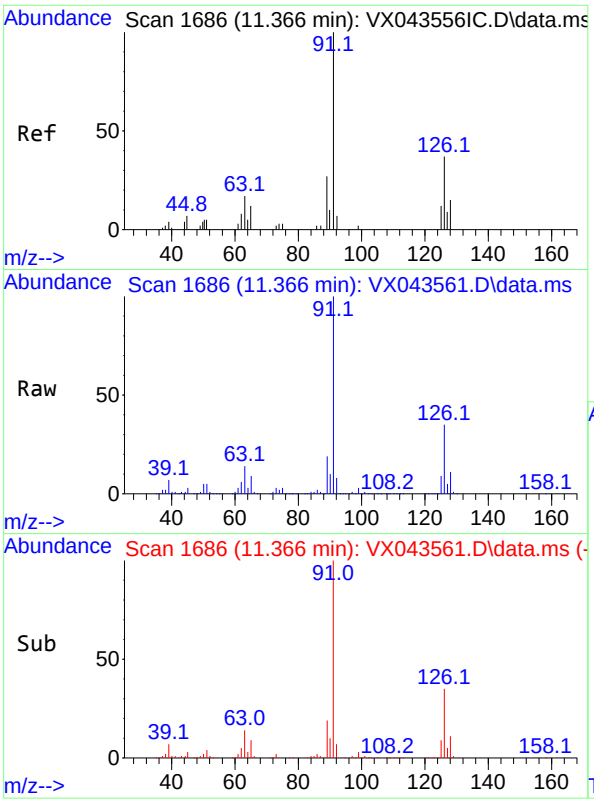


#78
n-propylbenzene
Concen: 143.160 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 1224689

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7



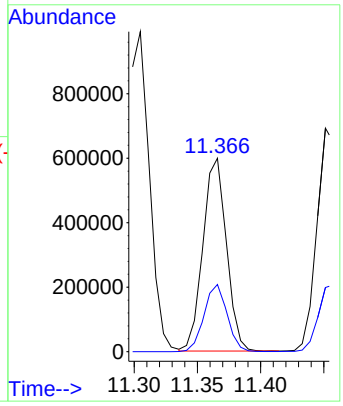


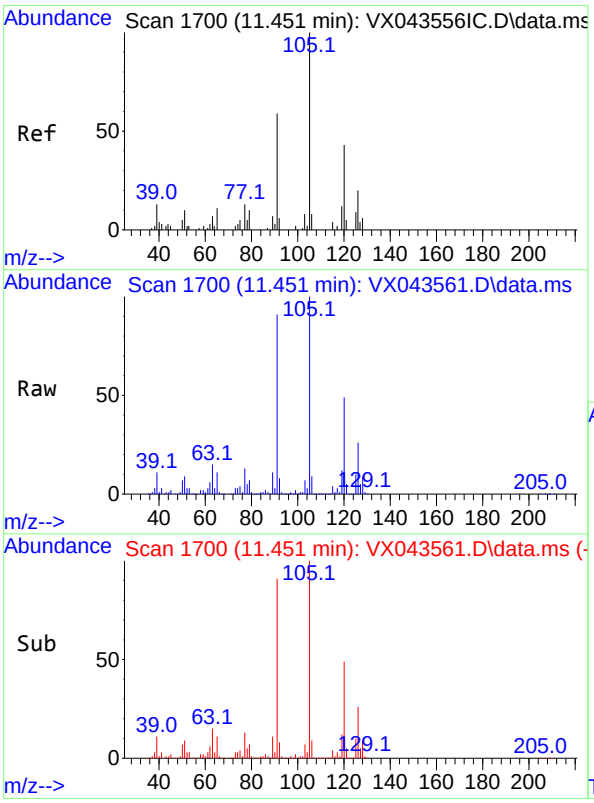
#79
2-Chlorotoluene
Concen: 134.748 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 773459

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.7	50.0

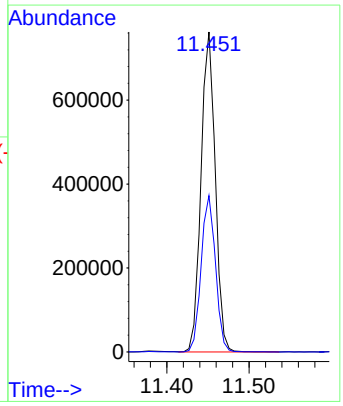


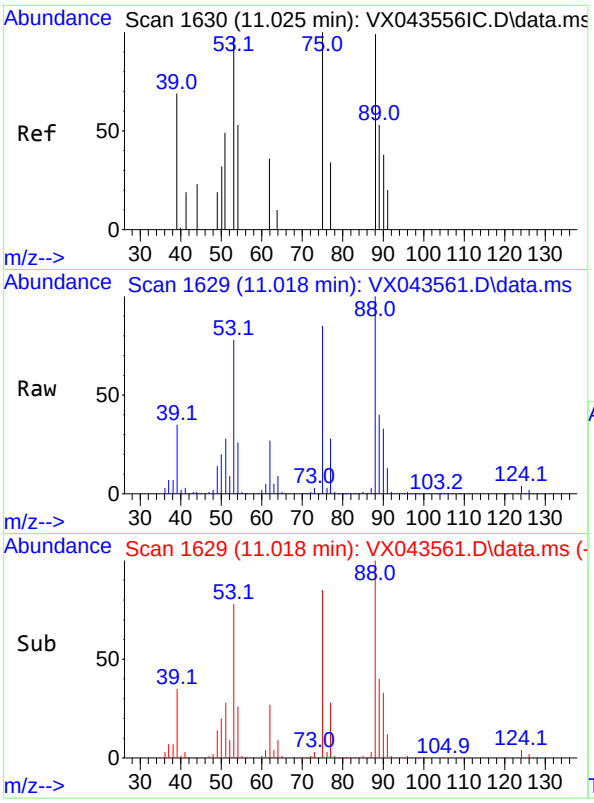


#80
1,3,5-Trimethylbenzene
Concen: 137.180 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:105 Resp: 914265

Ion	Ratio	Lower	Upper
105	100		
120	49.3	23.8	71.5



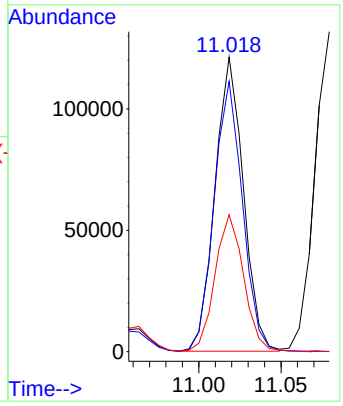


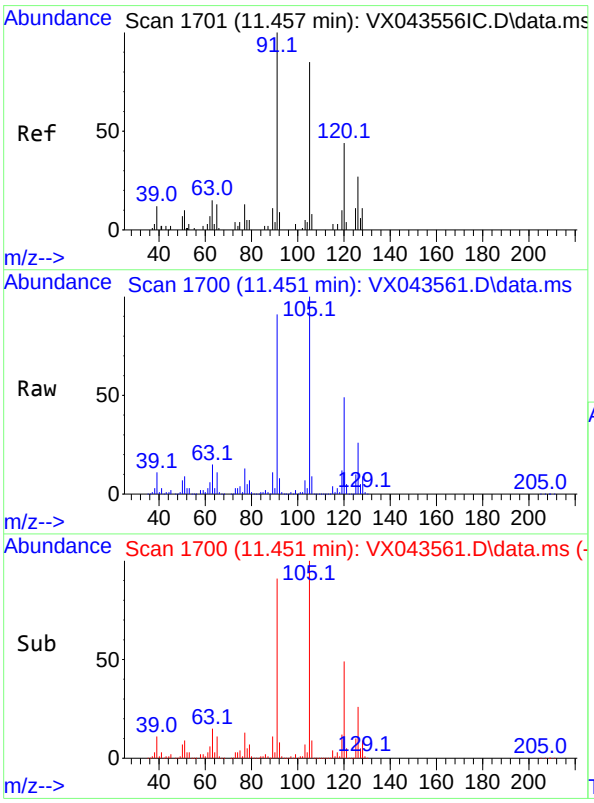
#81
trans-1,4-Dichloro-2-butene
Concen: 170.044 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 145480

Ion	Ratio	Lower	Upper
75	100		
53	92.3	84.6	126.8
89	47.1	38.6	58.0

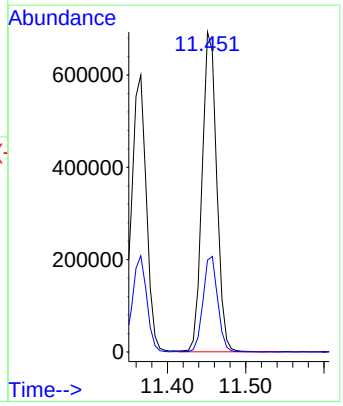


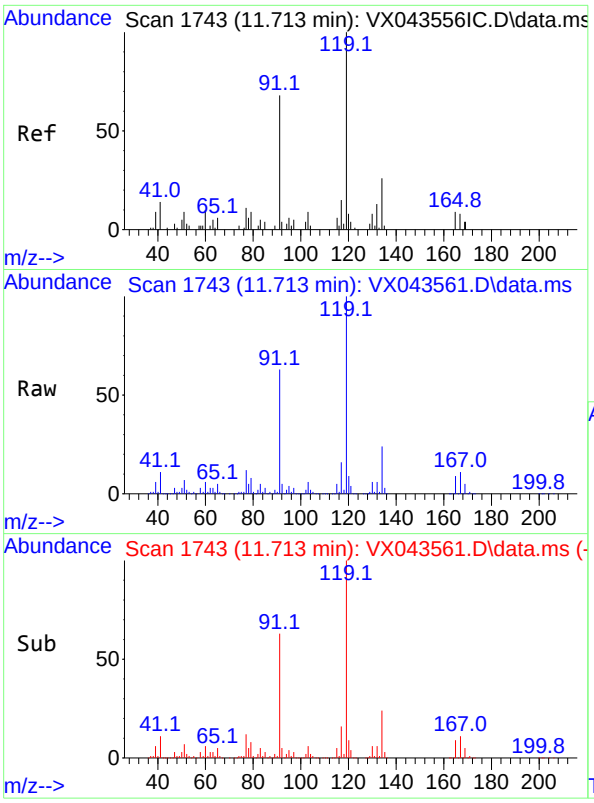


#82
4-Chlorotoluene
Concen: 140.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 91 Resp: 893567

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.2	42.8



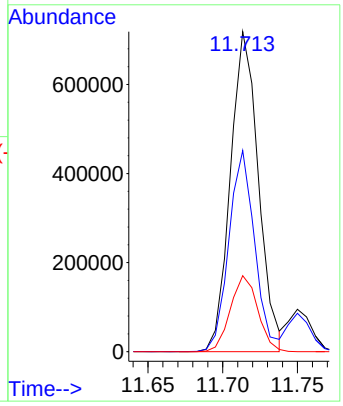


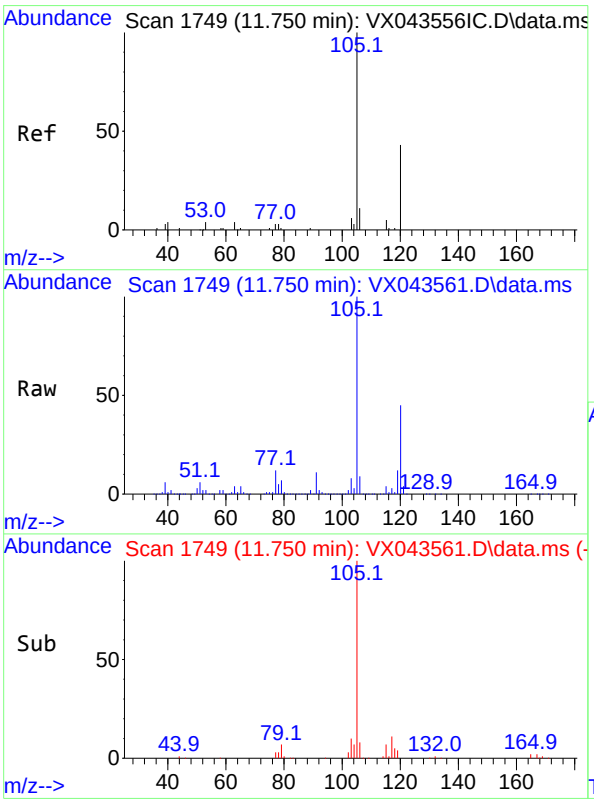
#83
tert-Butylbenzene
Concen: 137.660 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 935627

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.5	88.5
134	23.3	11.8	35.3

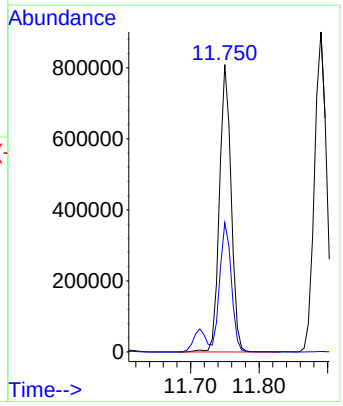


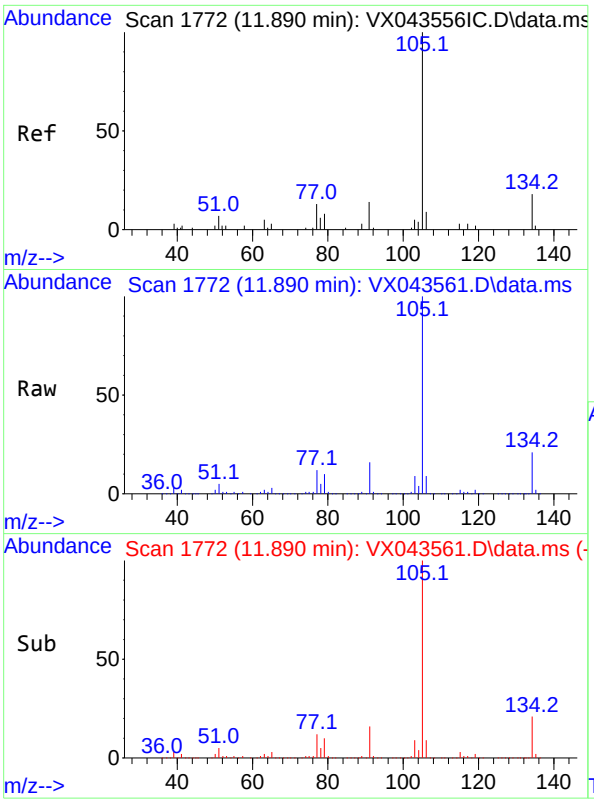


#84
1,2,4-Trimethylbenzene
Concen: 139.821 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:105 Resp: 953082

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



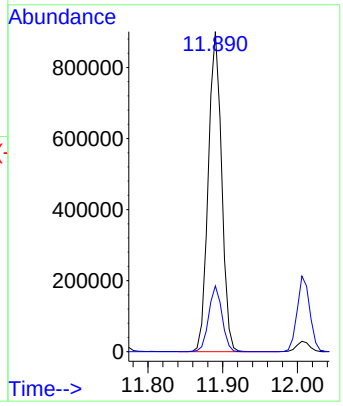


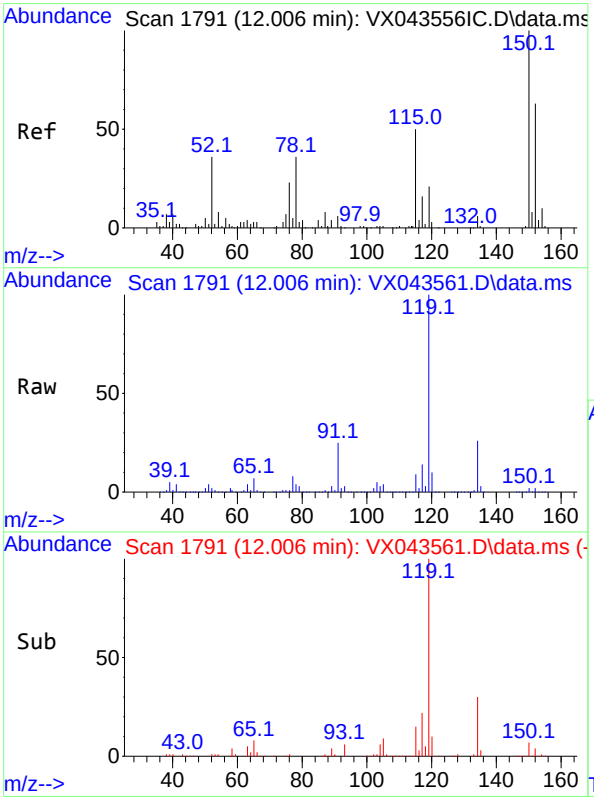
#85
sec-Butylbenzene
Concen: 141.391 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1112980

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5

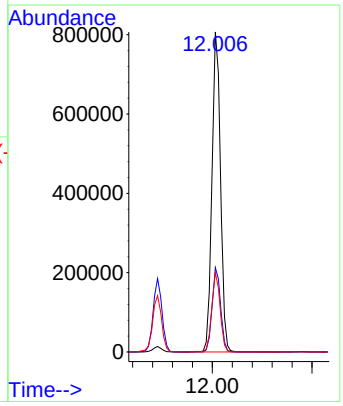


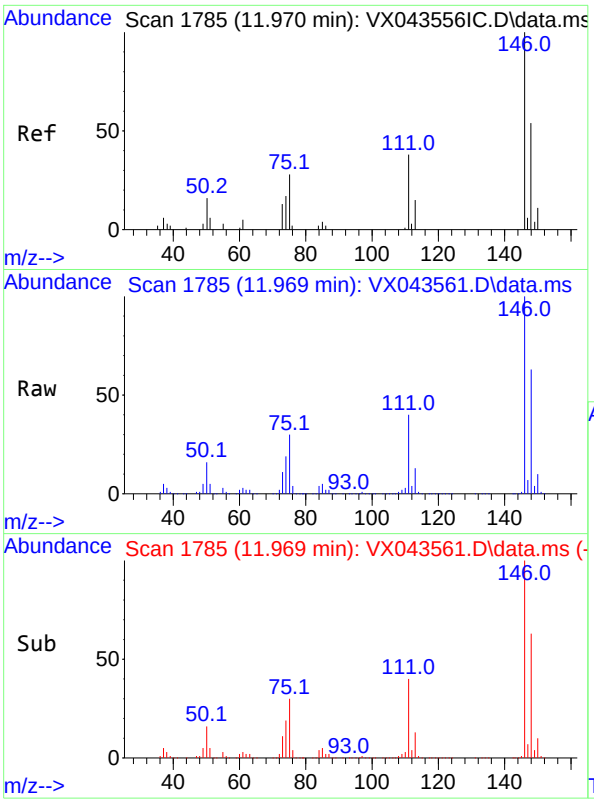


#86
p-Isopropyltoluene
Concen: 147.051 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:119 Resp: 958987

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.3	12.4	37.0



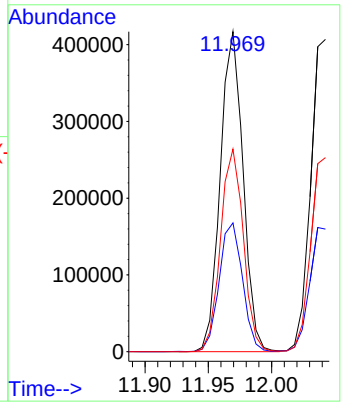


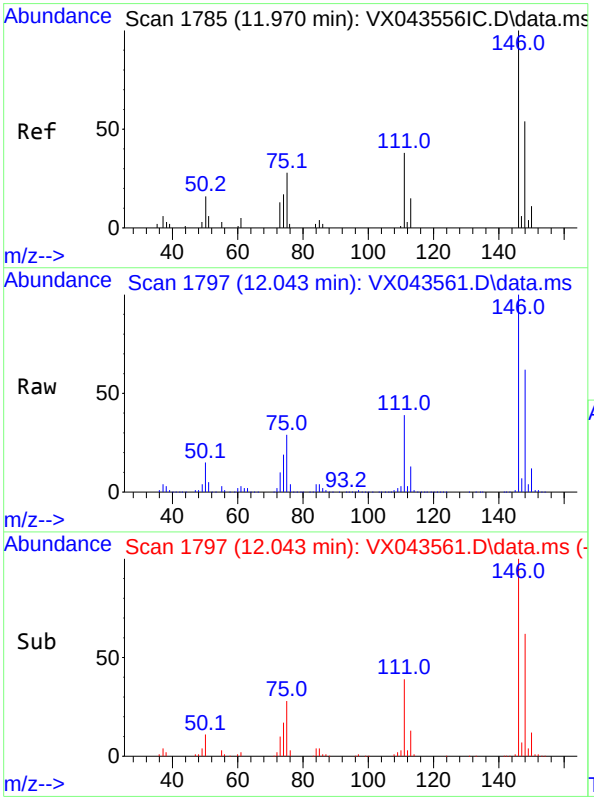
#87
1,3-Dichlorobenzene
Concen: 141.838 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 521523

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.4
148	63.5	31.6	94.8

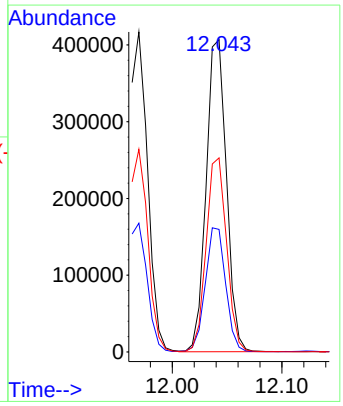


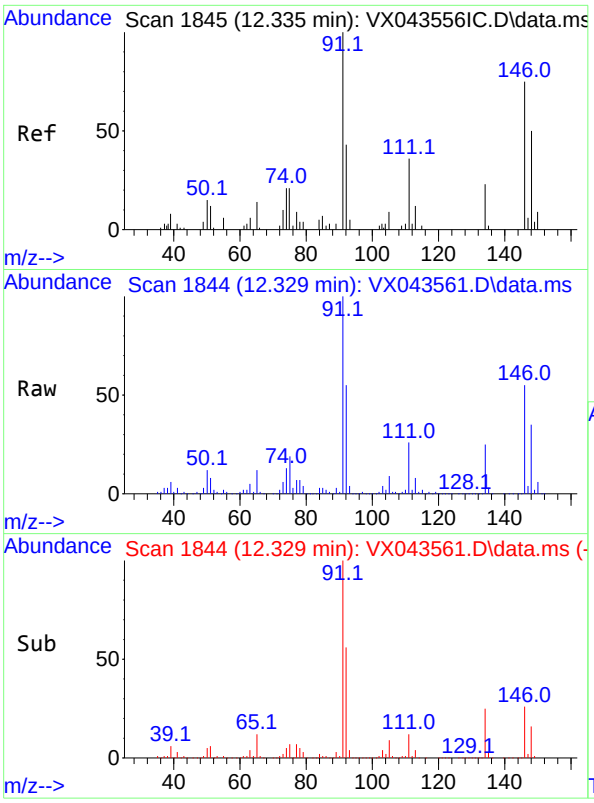


#88
1,4-Dichlorobenzene
Concen: 140.994 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:146 Resp: 522586

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	62.9	31.9	95.9



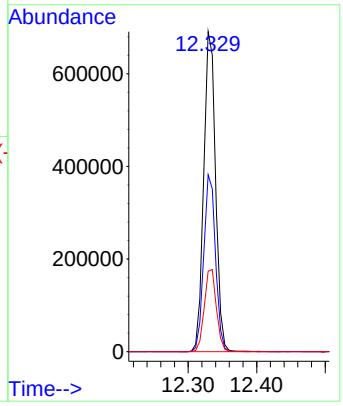


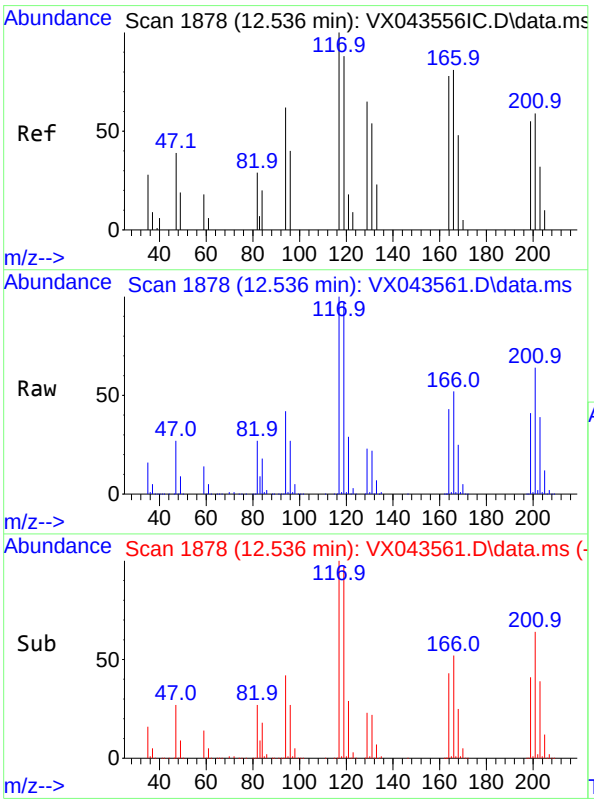
#89
n-Butylbenzene
Concen: 157.180 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 830990

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.2
134	26.3	12.9	38.6

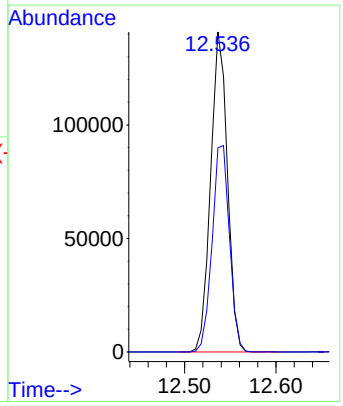


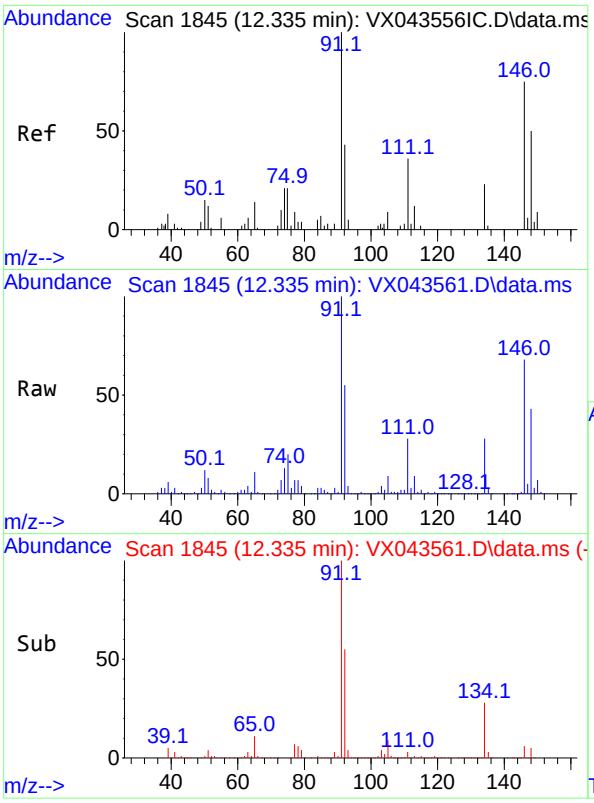


#90
Hexachloroethane
Concen: 170.120 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:117 Resp: 179474

Ion	Ratio	Lower	Upper
117	100		
201	66.9	32.9	98.7



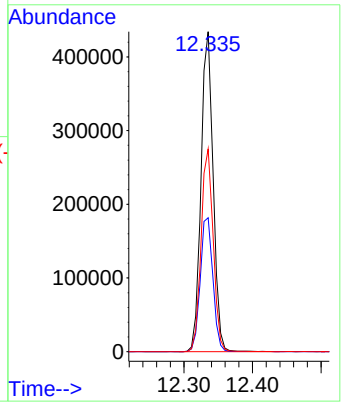


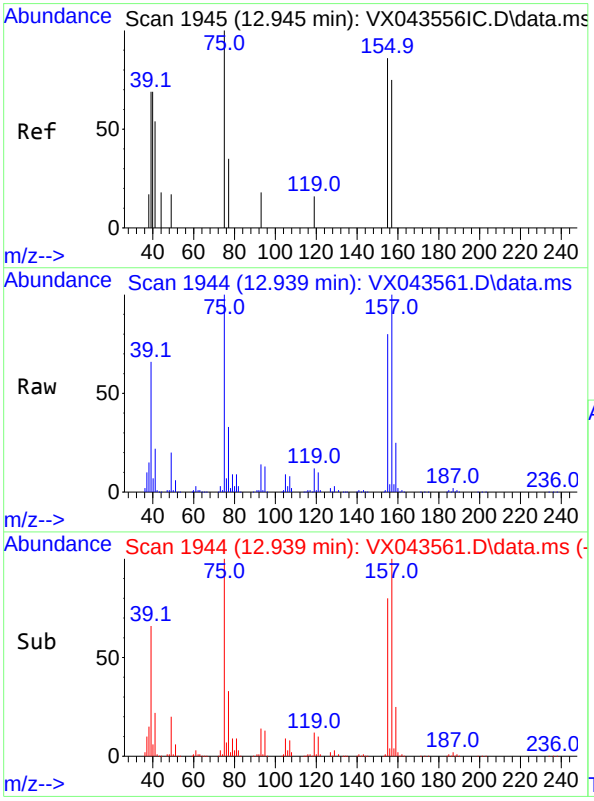
#91
1,2-Dichlorobenzene
Concen: 140.889 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 534157

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	63.6	31.6	95.0

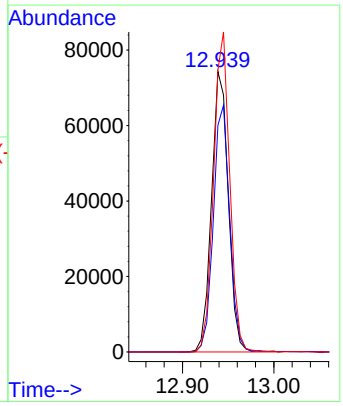


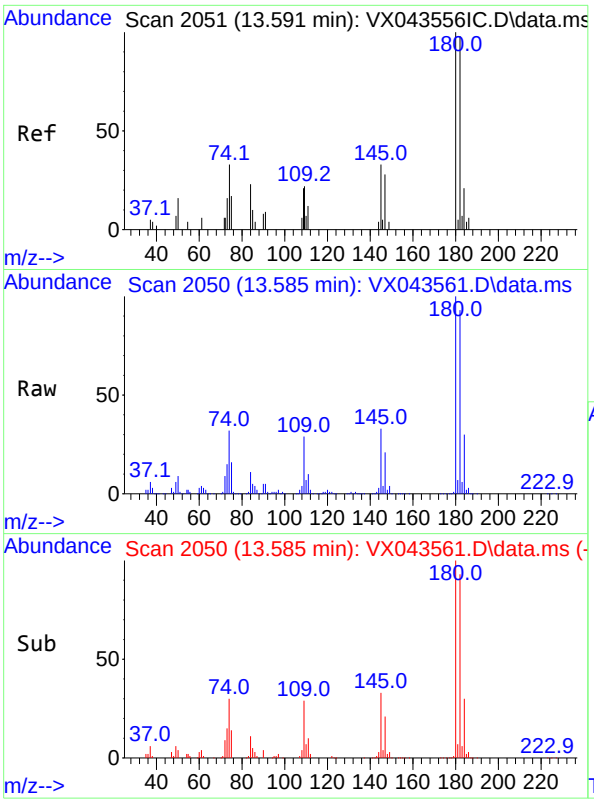


#92
1,2-Dibromo-3-Chloropropane
Concen: 144.811 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion: 75 Resp: 94746

Ion	Ratio	Lower	Upper
75	100		
155	86.1	40.1	120.3
157	109.9	50.8	152.4



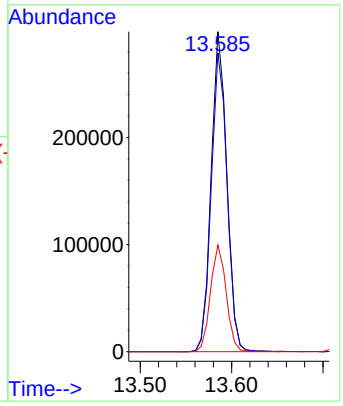


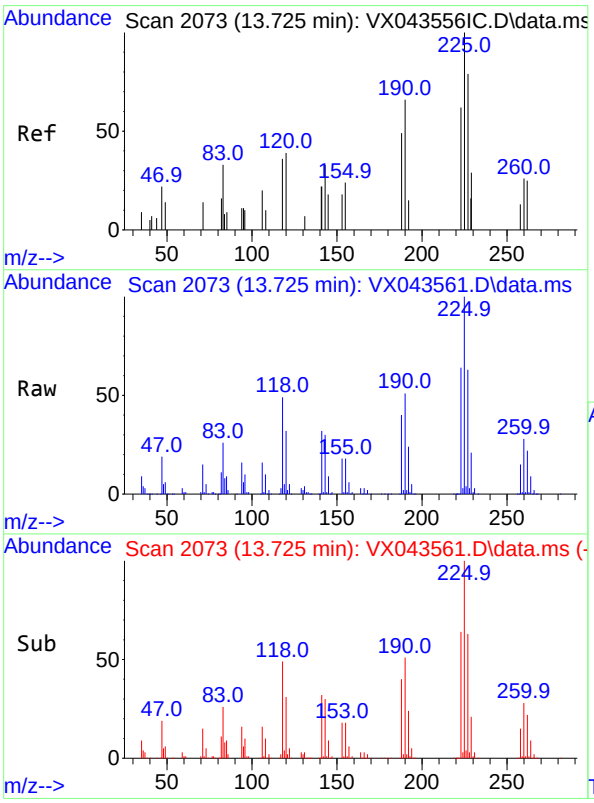
#93
1,2,4-Trichlorobenzene
Concen: 159.641 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 354426

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.4
145	33.5	16.1	48.3

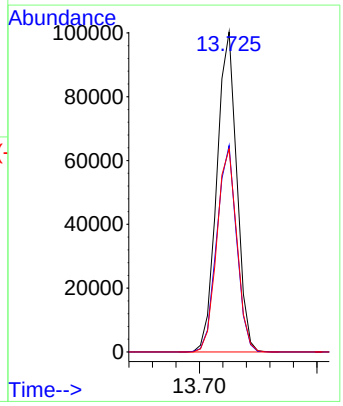


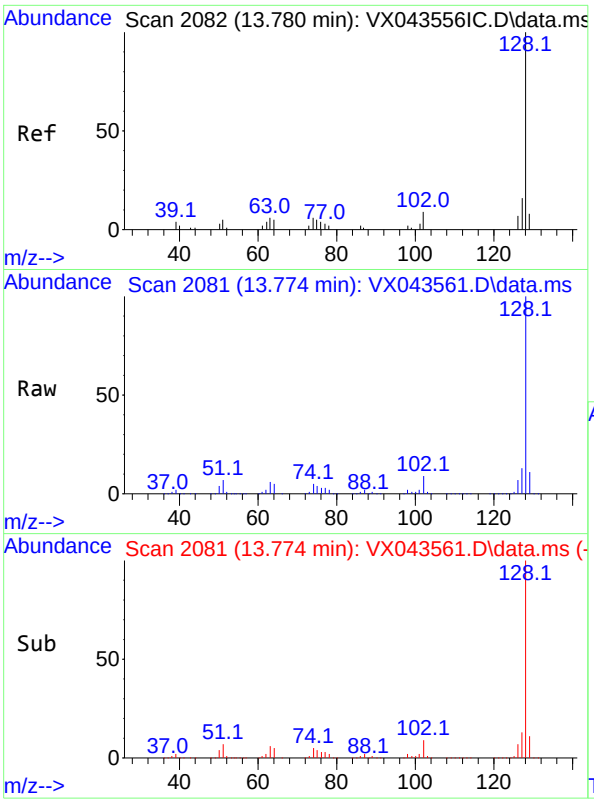


#94
Hexachlorobutadiene
Concen: 150.492 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:225 Resp: 118245

Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.8	92.4
227	63.9	31.6	94.8



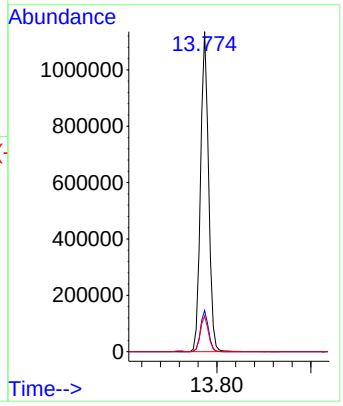


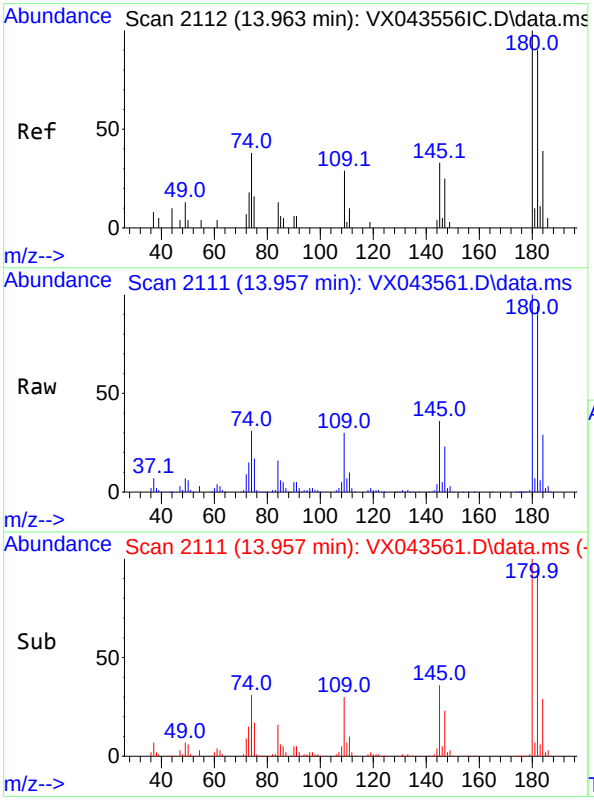
#95
Naphthalene
Concen: 148.198 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1350122

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.7	13.1

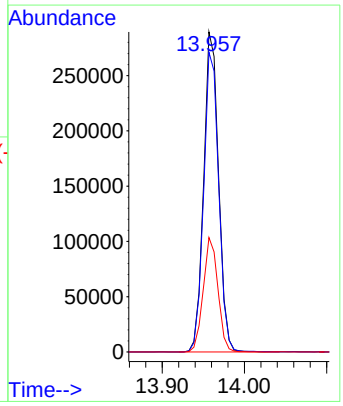




#96
1,2,3-Trichlorobenzene
Concen: 156.686 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043561.D
Acq: 28 Oct 2024 12:54

Tgt Ion:180 Resp: 363960

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	35.3	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	179424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	320605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	130207	45.512	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.020%			
35) Dibromofluoromethane	5.385	113	103607	47.657	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.320%			
50) Toluene-d8	8.647	98	364696	48.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.920%			
62) 4-Bromofluorobenzene	11.079	95	134767	48.327	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	81674	42.565	ug/l	94
3) Chloromethane	1.294	50	101631	41.434	ug/l	99
4) Vinyl Chloride	1.374	62	99612	43.758	ug/l	96
5) Bromomethane	1.593	94	38610	41.604	ug/l	98
6) Chloroethane	1.660	64	32071	39.988	ug/l	96
7) Trichlorofluoromethane	1.855	101	128270	46.124	ug/l	96
8) Diethyl Ether	2.136	74	55490	43.186	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.306	101	83899	44.609	ug/l	98
10) Methyl Iodide	2.441	142	121643	44.767	ug/l	99
11) Tert butyl alcohol	3.044	59	122504	229.410	ug/l #	100
12) 1,1-Dichloroethene	2.300	96	86406	44.957	ug/l	95
13) Acrolein	2.239	56	91162	218.298	ug/l	99
14) Allyl chloride	2.654	41	151352	45.529	ug/l	99
15) Acrylonitrile	3.069	53	266930	221.401	ug/l	98
16) Acetone	2.398	43	254666	224.158	ug/l	99
17) Carbon Disulfide	2.495	76	190995	47.524	ug/l	99
18) Methyl Acetate	2.709	43	140984	42.460	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	317078	43.380	ug/l	97
20) Methylene Chloride	2.782	84	101646	41.513	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	89643	44.148	ug/l	96
22) Diisopropyl ether	3.764	45	300804	43.777	ug/l	97
23) Vinyl Acetate	3.721	43	1302117	229.380	ug/l	99
24) 1,1-Dichloroethane	3.605	63	172319	43.633	ug/l	100
25) 2-Butanone	4.568	43	368994	222.655	ug/l	100
26) 2,2-Dichloropropane	4.465	77	148949	46.075	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	113181	43.635	ug/l	98
28) Bromochloromethane	4.891	49	80045	42.606	ug/l	99
29) Tetrahydrofuran	5.007	42	235105	218.299	ug/l	99
30) Chloroform	5.086	83	180585	43.621	ug/l	95
31) Cyclohexane	5.458	56	133601	44.229	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	157829	45.409	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115808	44.924	ug/l	99
37) Ethyl Acetate	4.721	43	146662	46.862	ug/l	99
38) Carbon Tetrachloride	5.672	117	131275	46.088	ug/l	98
39) Methylcyclohexane	7.373	83	146003	45.618	ug/l	97
40) Benzene	6.031	78	379529	44.132	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73439	44.704	ug/l		94
42) 1,2-Dichloroethane	6.080	62	137504	44.475	ug/l		99
43) Isopropyl Acetate	6.342	43	233162	45.049	ug/l		99
44) Trichloroethene	7.123	130	95769	44.826	ug/l		95
45) 1,2-Dichloropropane	7.428	63	94807	44.772	ug/l		98
46) Dibromomethane	7.580	93	71516	43.863	ug/l		98
47) Bromodichloromethane	7.818	83	134816	47.134	ug/l		100
48) Methyl methacrylate	7.696	41	113455	46.235	ug/l		100
49) 1,4-Dioxane	7.677	88	52802	1047.352	ug/l		98
51) 4-Methyl-2-Pentanone	8.580	43	723604	229.383	ug/l		99
52) Toluene	8.714	92	239913	46.000	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	143840	46.821	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	156936	47.945	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	97965	45.125	ug/l		99
56) Ethyl methacrylate	9.116	69	161309	45.728	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159880	44.279	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	384698	225.175	ug/l		98
59) 2-Hexanone	9.433	43	551262	230.086	ug/l		99
60) Dibromochloromethane	9.519	129	104046	48.399	ug/l		99
61) 1,2-Dibromoethane	9.610	107	101053	44.841	ug/l		99
64) Tetrachloroethene	9.269	164	78661	45.765	ug/l		96
65) Chlorobenzene	10.079	112	267388	45.479	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	93224	48.543	ug/l		99
67) Ethyl Benzene	10.189	91	450377	46.977	ug/l		97
68) m/p-Xylenes	10.299	106	349227	95.253	ug/l		97
69) o-Xylene	10.640	106	175059	47.523	ug/l		99
70) Styrene	10.653	104	294680	48.130	ug/l		99
71) Bromoform	10.799	173	69053	50.009	ug/l	#	98
73) Isopropylbenzene	10.963	105	434285	47.005	ug/l		100
74) N-amyl acetate	10.842	43	212192	47.145	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	151871	45.712	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	171648	61.550	ug/l		83
77) Bromobenzene	11.195	156	108482	45.472	ug/l		100
78) n-propylbenzene	11.305	91	480204	47.669	ug/l		99
79) 2-Chlorotoluene	11.360	91	303930	45.500	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	369790	48.003	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	49799	49.126	ug/l		94
82) 4-Chlorotoluene	11.451	91	348692	46.508	ug/l		97
83) tert-Butylbenzene	11.713	119	375497	47.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	372516	47.450	ug/l		99
85) sec-Butylbenzene	11.890	105	444311	48.384	ug/l		99
86) p-Isopropyltoluene	12.006	119	377100	48.310	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	196597	45.977	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	197418	44.556	ug/l		100
89) n-Butylbenzene	12.329	91	317946	49.987	ug/l		100
90) Hexachloroethane	12.536	117	64443	50.825	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	200702	45.901	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32952	48.652	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	127790	48.149	ug/l		100
94) Hexachlorobutadiene	13.725	225	46538	47.558	ug/l		99
95) Naphthalene	13.774	128	491660	48.409	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	131581	47.022	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

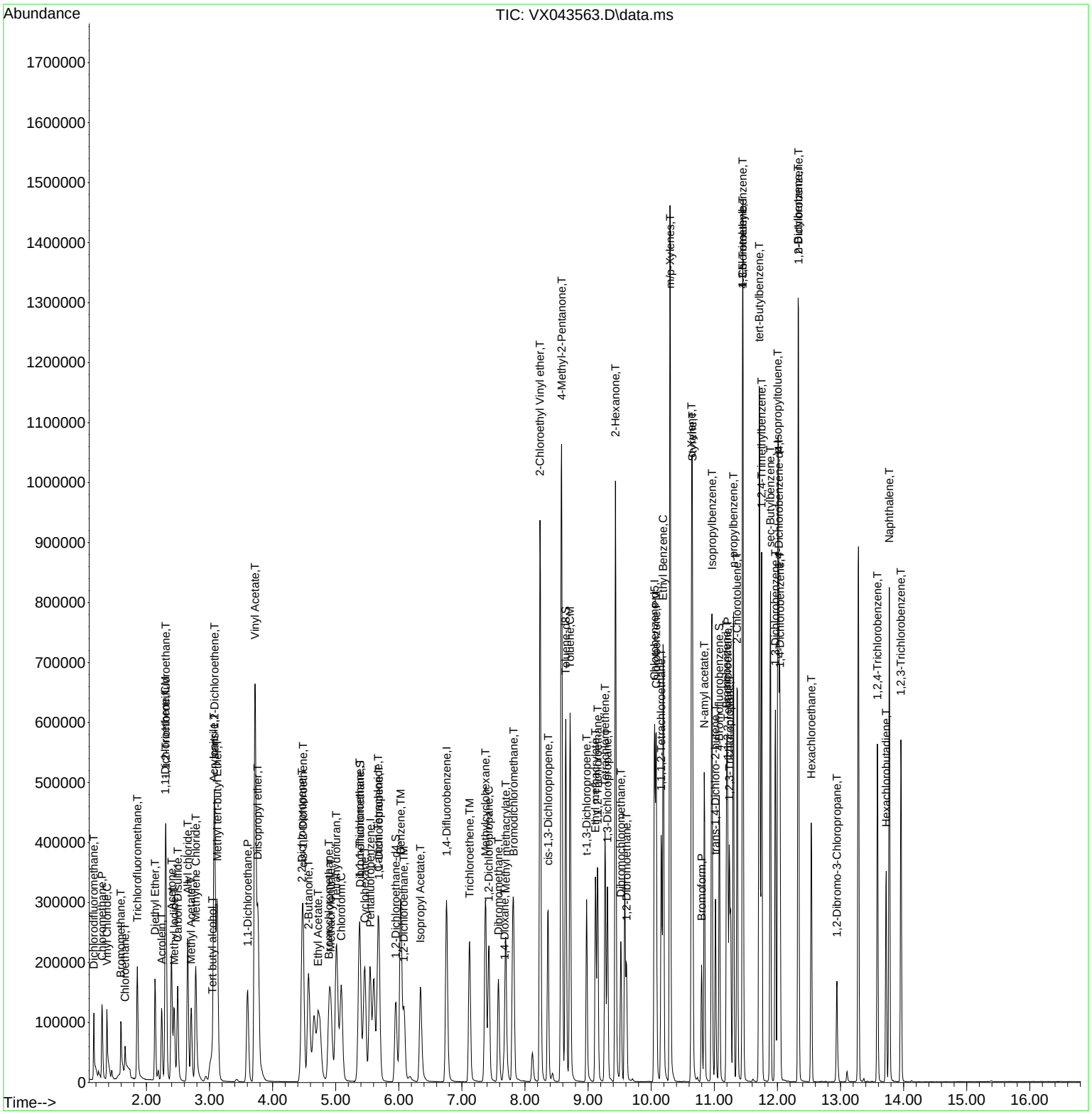
(#) = qualifier out of range (m) = manual integration (+) = signals summed

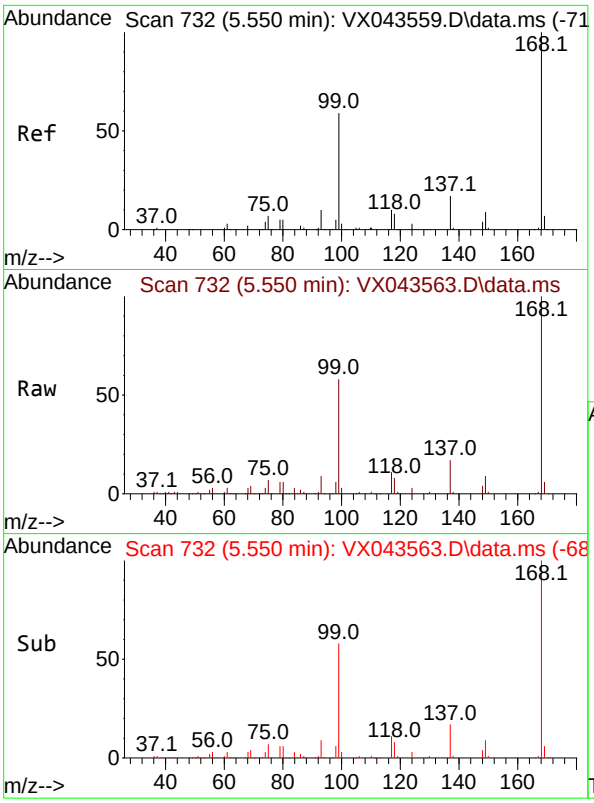
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



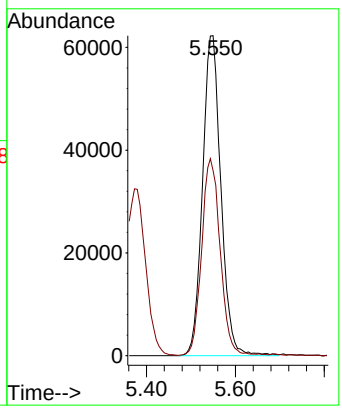


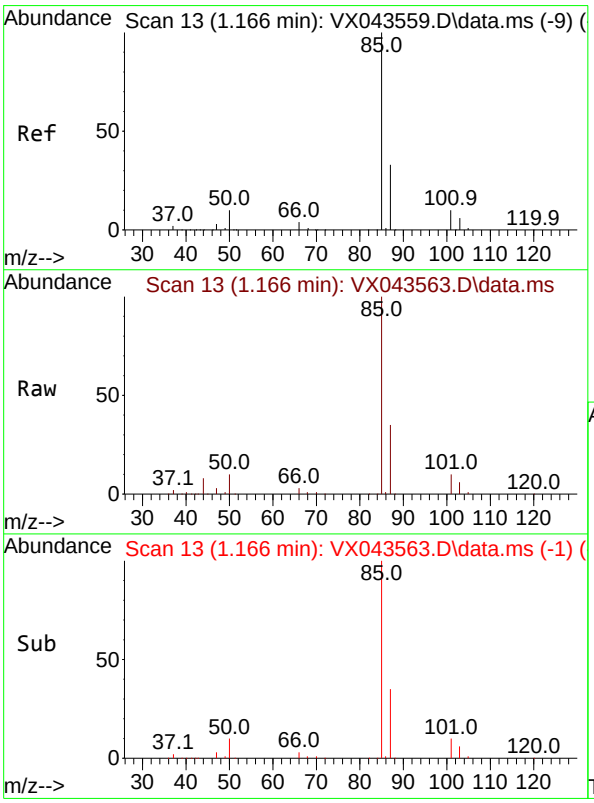
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:168 Resp: 179424

Ion	Ratio	Lower	Upper
168	100		
99	57.7	52.6	78.8

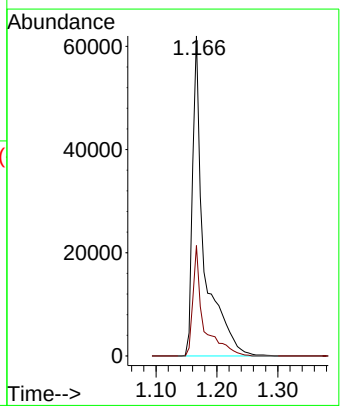


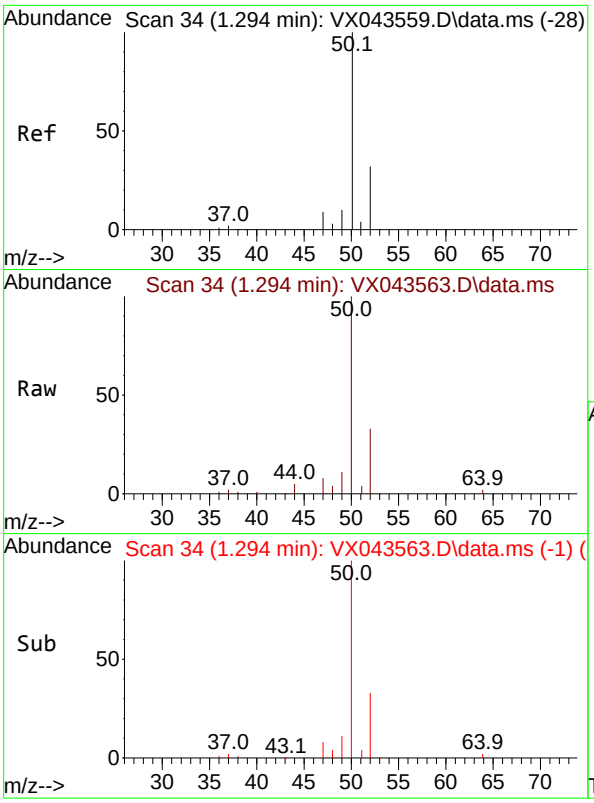


#2
Dichlorodifluoromethane
Concen: 42.565 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 85 Resp: 81674

Ion	Ratio	Lower	Upper
85	100		
87	34.5	15.7	47.0



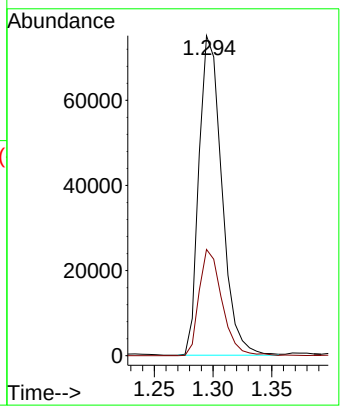


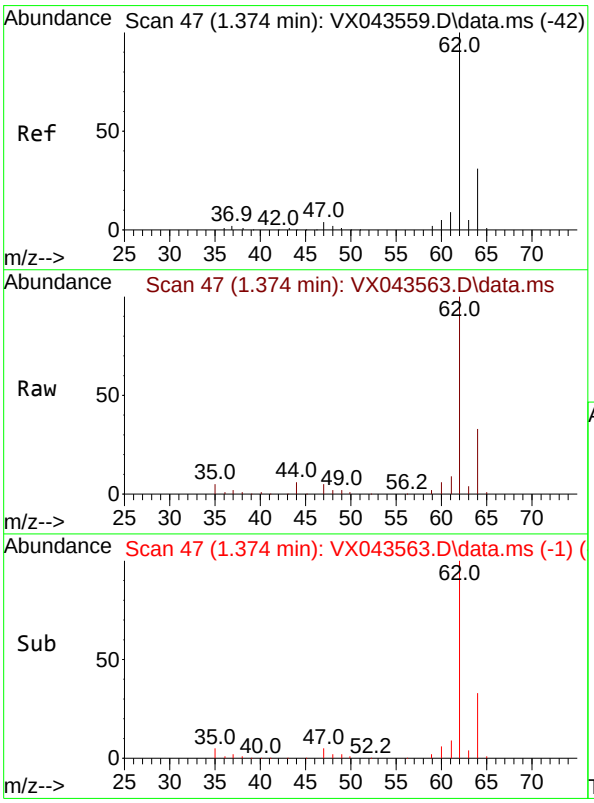
#3
Chloromethane
Concen: 41.434 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 50 Resp: 101631

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.3	39.5

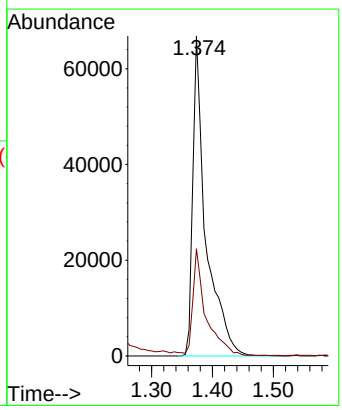


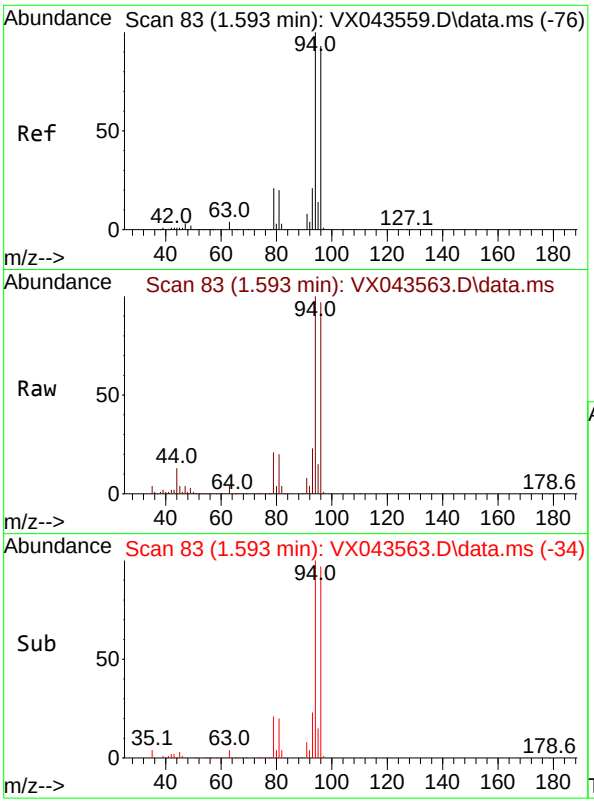


#4
Vinyl Chloride
Concen: 43.758 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 62 Resp: 99612

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.0	37.4



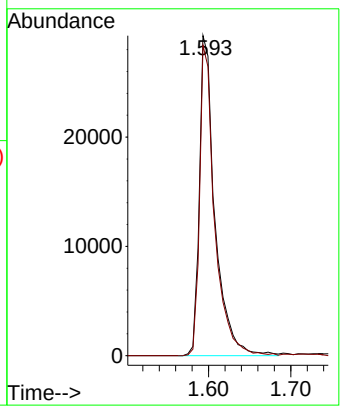


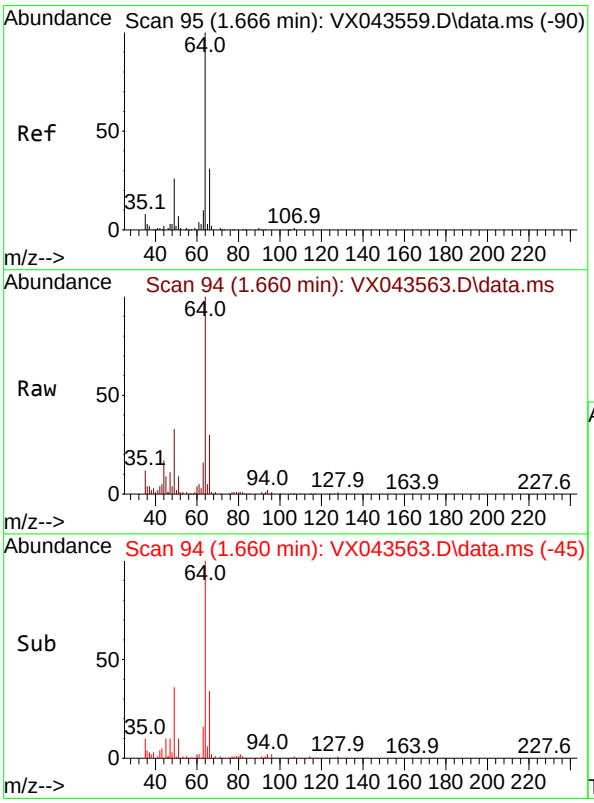
#5
Bromomethane
Concen: 41.604 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 94 Resp: 38610

Ion	Ratio	Lower	Upper
94	100		
96	96.9	75.9	113.9

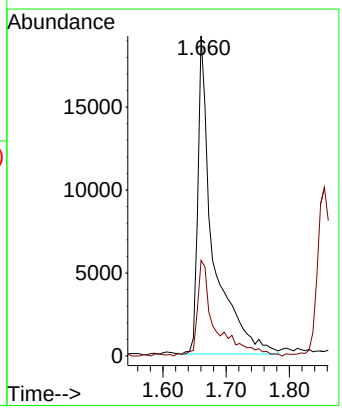


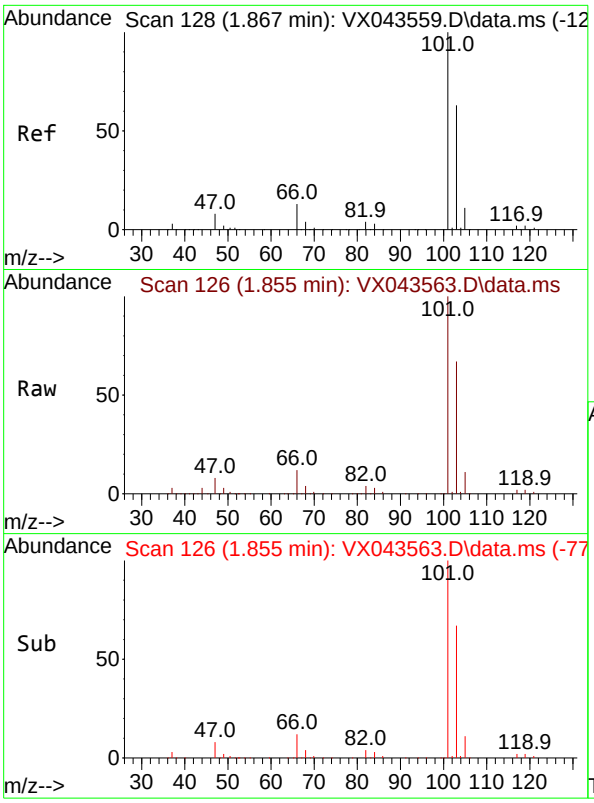


#6
Chloroethane
Concen: 39.988 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 64 Resp: 32071

Ion	Ratio	Lower	Upper
64	100		
66	29.4	25.1	37.7



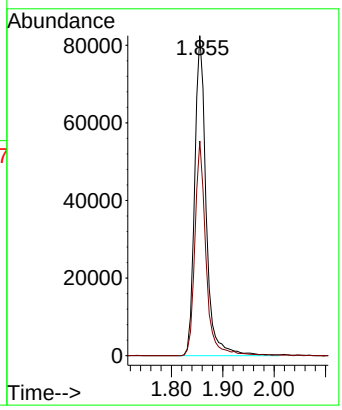


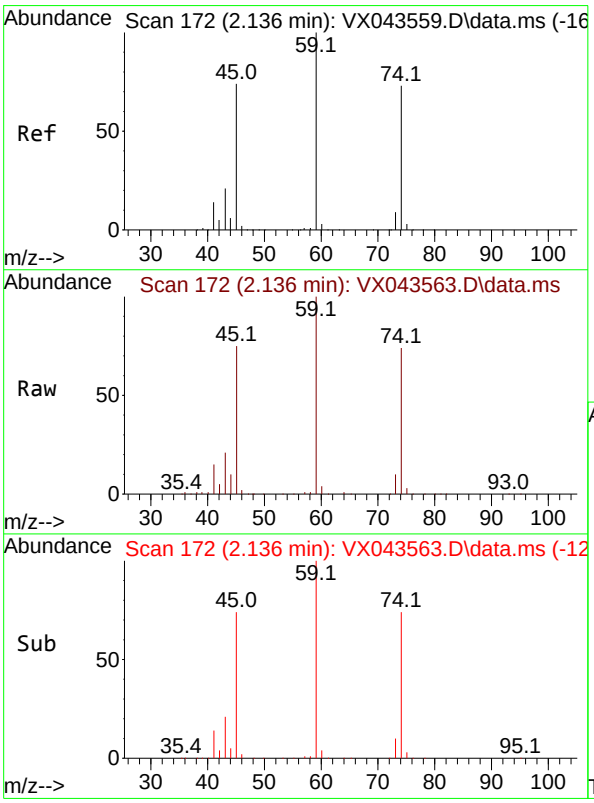
#7
Trichlorofluoromethane
Concen: 46.124 ug/l
RT: 1.855 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:101 Resp: 128270

Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.3	76.9

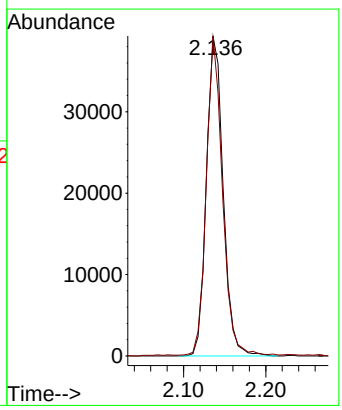


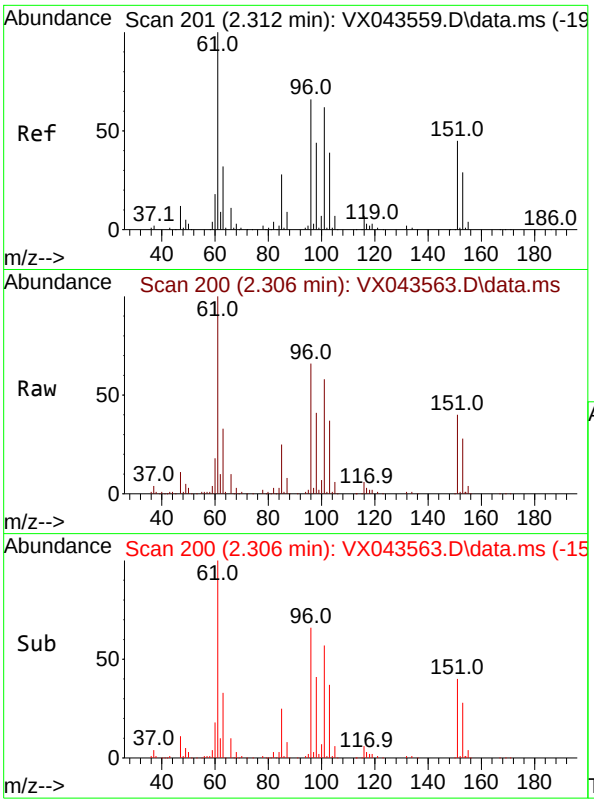


#8
Diethyl Ether
Concen: 43.186 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 74 Resp: 55490

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.5	142.5



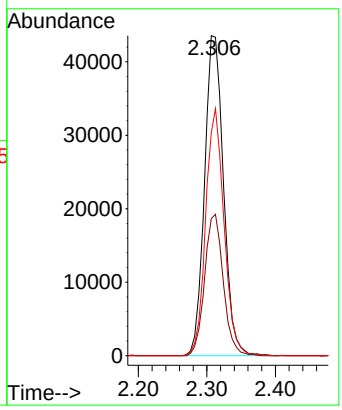


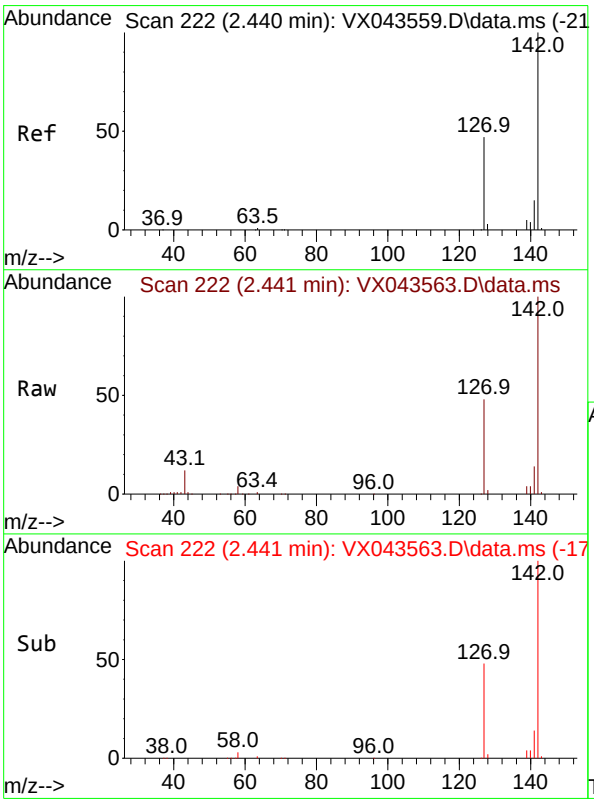
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.609 ug/l
RT: 2.306 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:101 Resp: 83899

Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.5	51.7
151	74.8	58.2	87.2

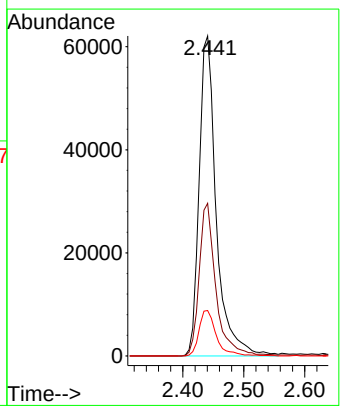


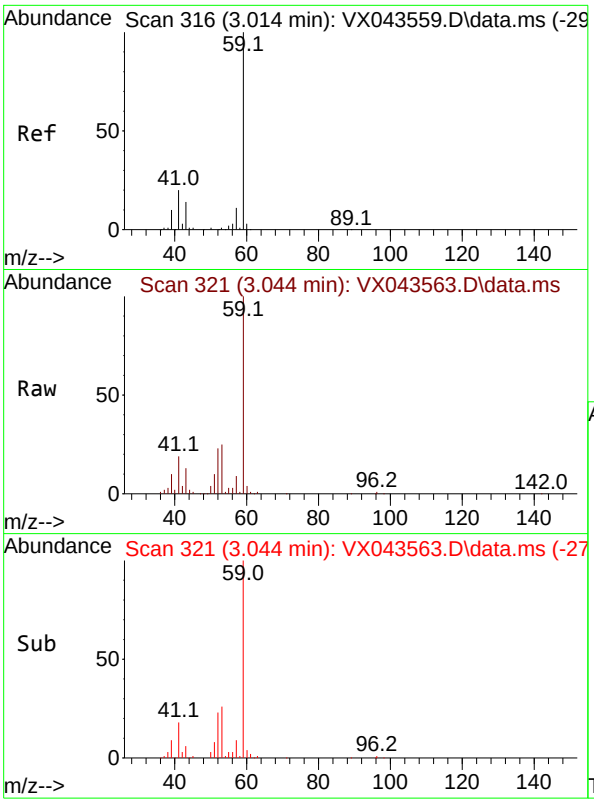


#10
Methyl Iodide
Concen: 44.767 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:142 Resp: 121643

Ion	Ratio	Lower	Upper
142	100		
127	46.7	38.2	57.4
141	14.4	11.5	17.3



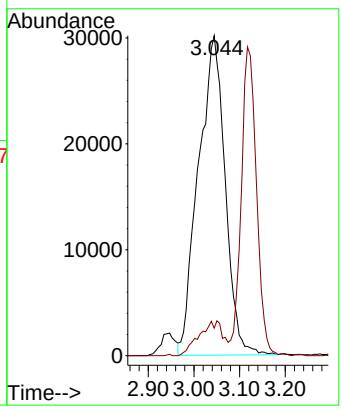


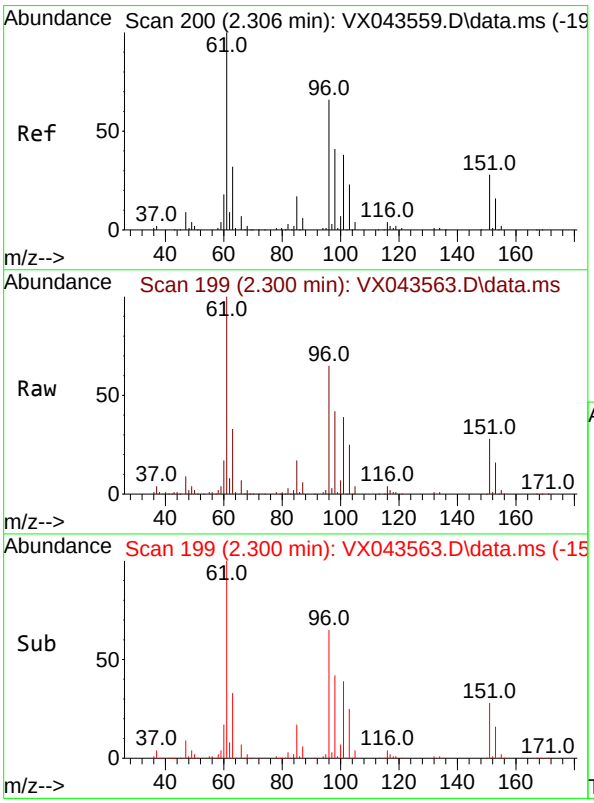
#11
Tert butyl alcohol
Concen: 229.410 ug/l
RT: 3.044 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 59 Resp: 122504

Ion	Ratio	Lower	Upper
59	100		
57	9.7	0.0	0.0#

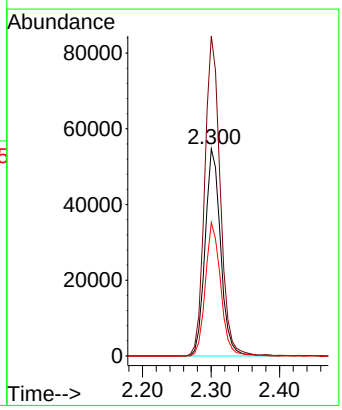


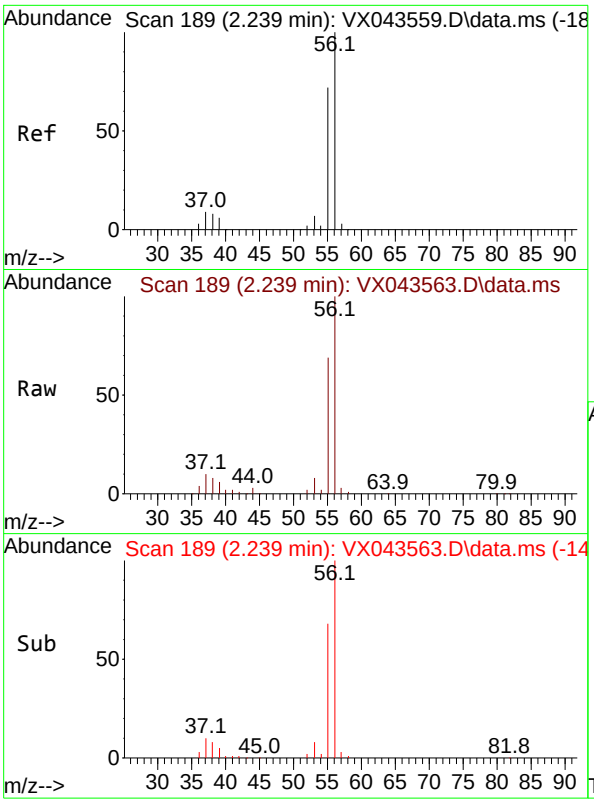


#12
1,1-Dichloroethene
Concen: 44.957 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 96 Resp: 86406

Ion	Ratio	Lower	Upper
96	100		
61	154.4	130.2	195.4
98	64.4	51.0	76.6



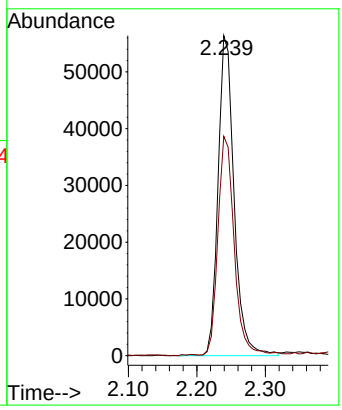


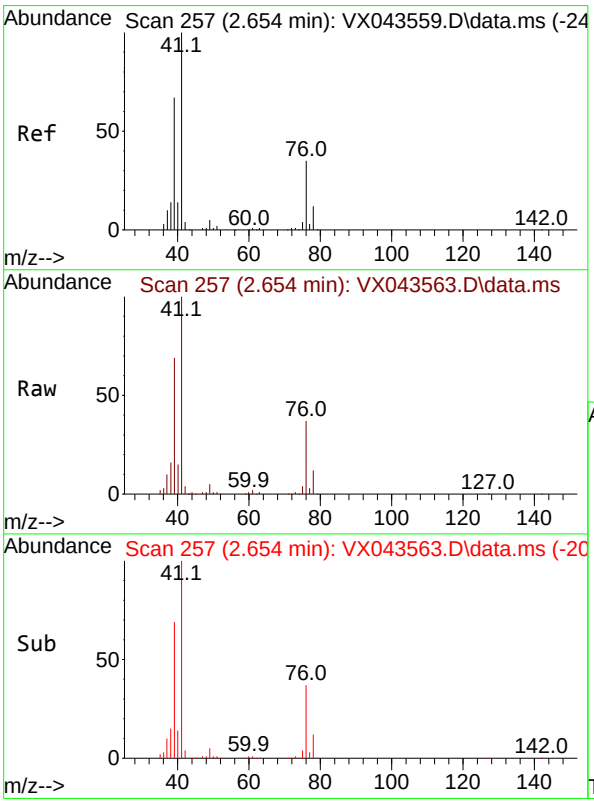
#13
Acrolein
Concen: 218.298 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 56 Resp: 91162

Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.3	82.9

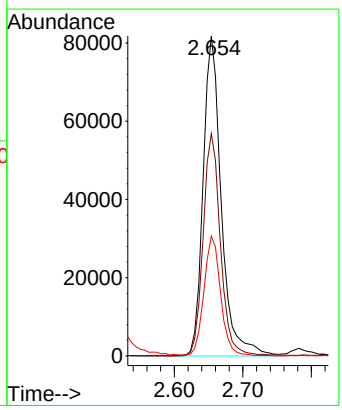


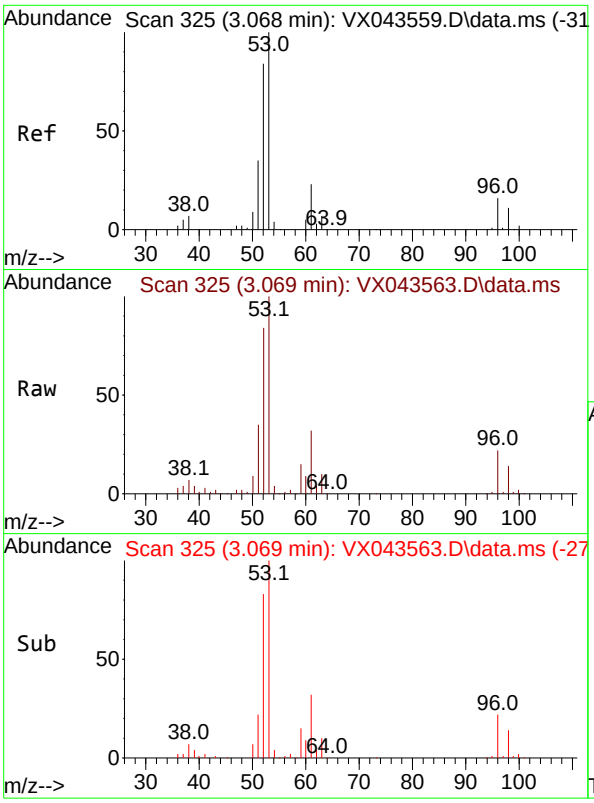


#14
Allyl chloride
Concen: 45.529 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 41 Resp: 151352

Ion	Ratio	Lower	Upper
41	100		
39	66.0	53.2	79.8
76	34.6	27.0	40.6



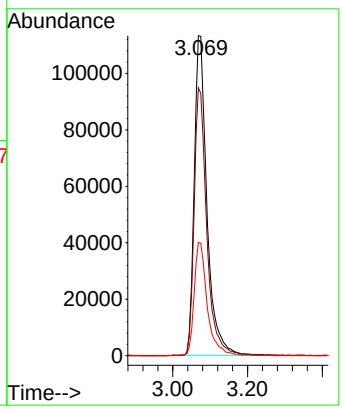


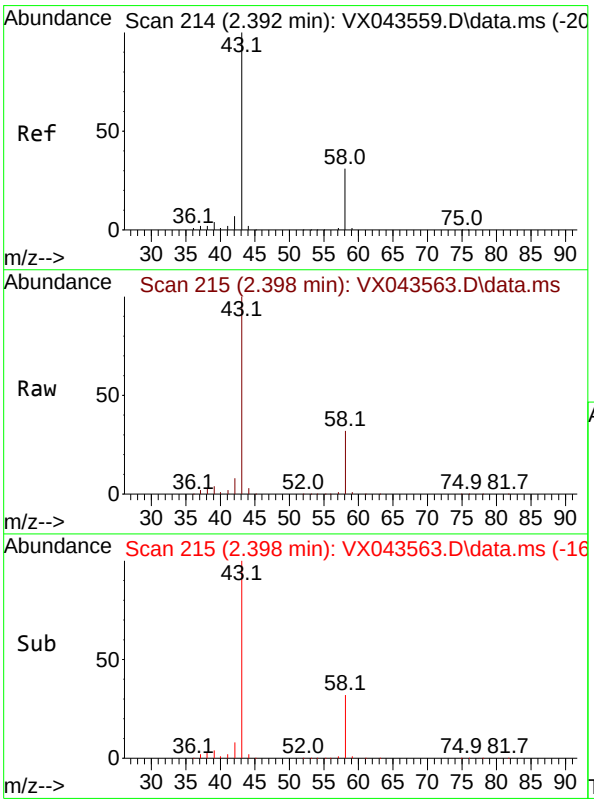
#15
Acrylonitrile
Concen: 221.401 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 53 Resp: 266930

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.8	98.6
51	36.7	28.5	42.7

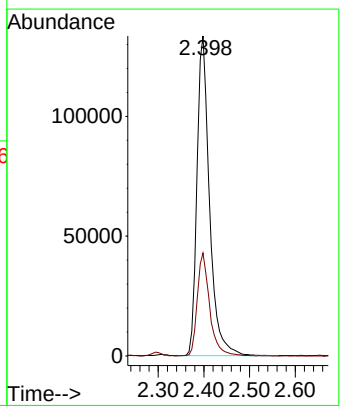


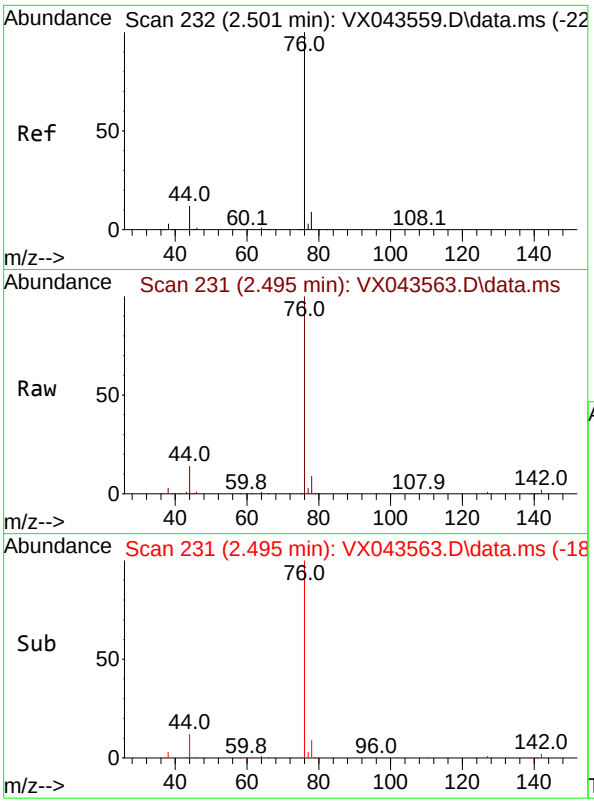


#16
Acetone
Concen: 224.158 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 254666

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.1	37.7



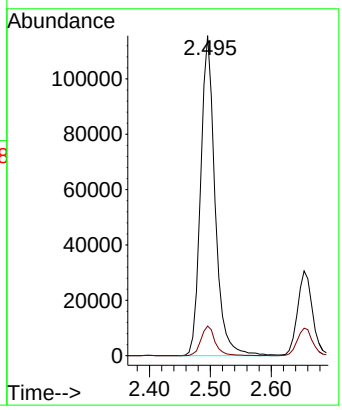


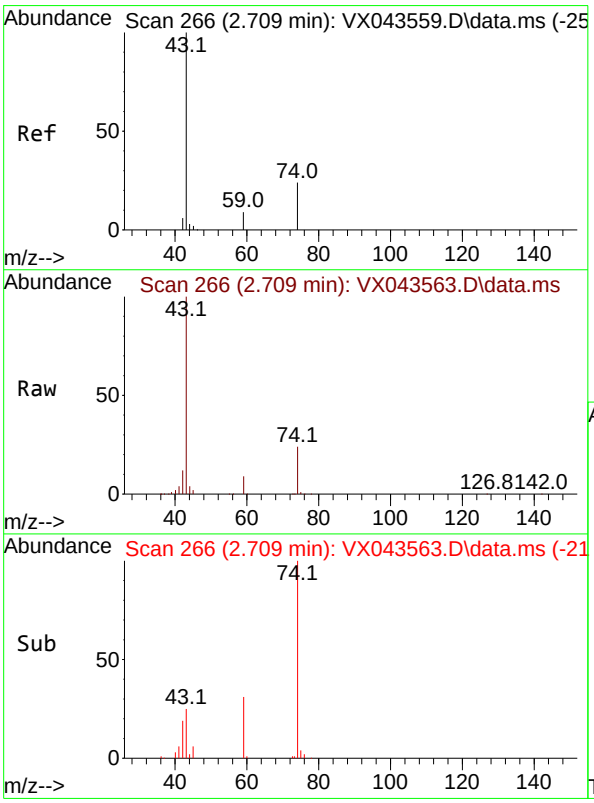
#17
Carbon Disulfide
Concen: 47.524 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 76 Resp: 190995

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

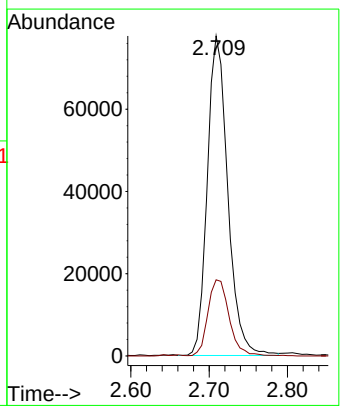


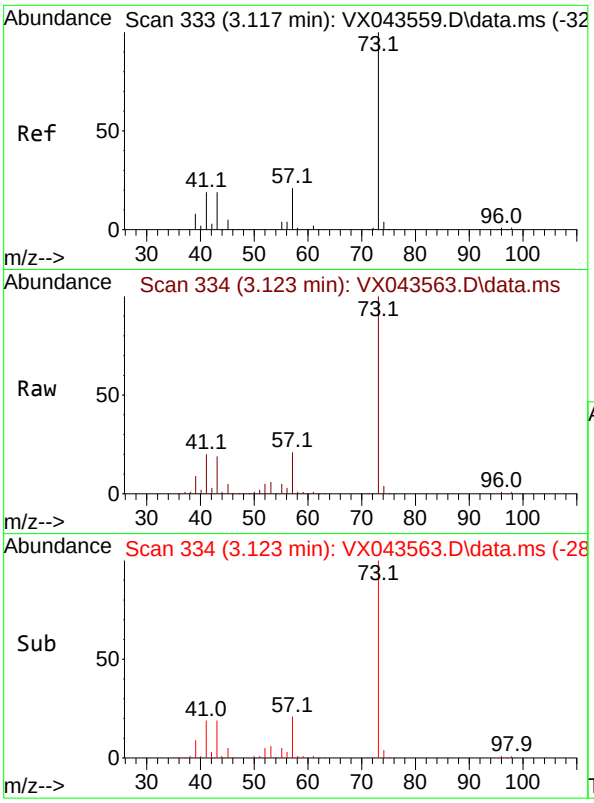


#18
Methyl Acetate
Concen: 42.460 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 140984

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7



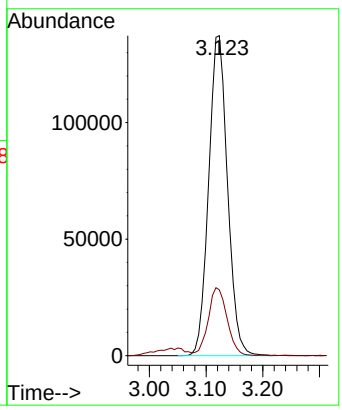


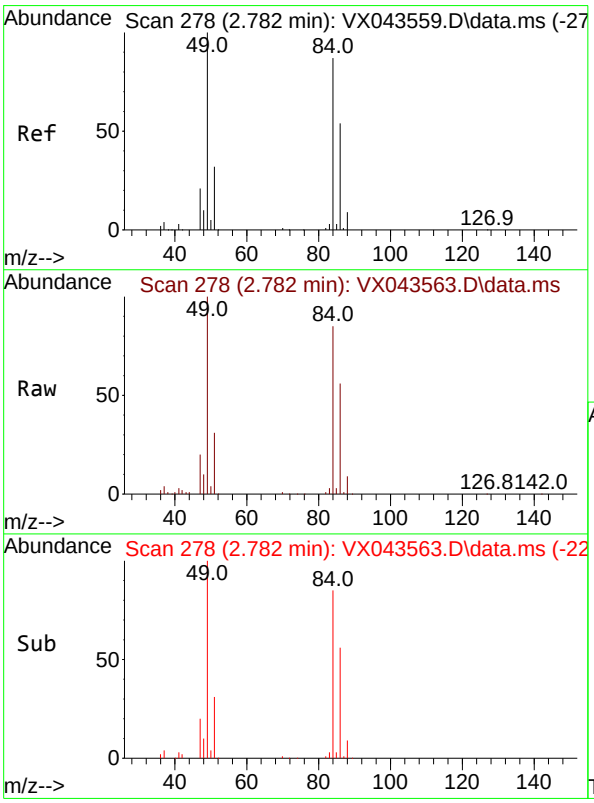
#19
Methyl tert-butyl Ether
Concen: 43.380 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 73 Resp: 317078

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5

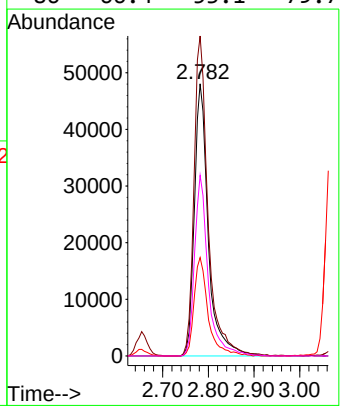


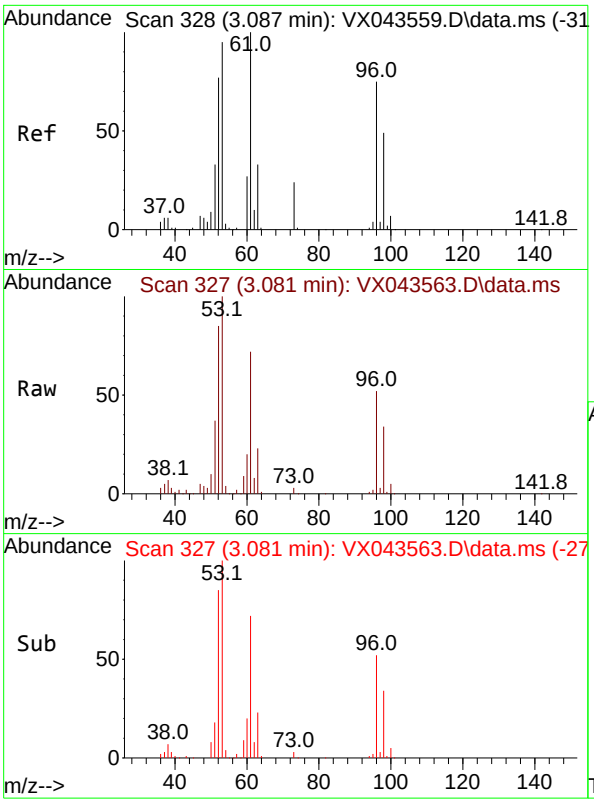


#20
Methylene Chloride
Concen: 41.513 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 84 Resp: 101646

Ion	Ratio	Lower	Upper
84	100		
49	117.6	97.0	145.6
51	36.2	29.8	44.8
86	66.4	53.1	79.7



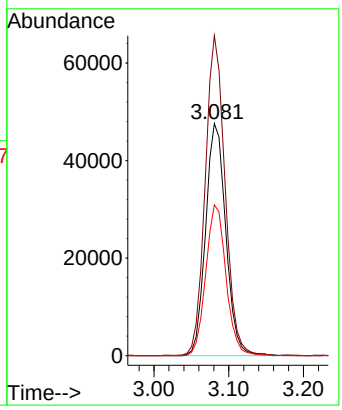


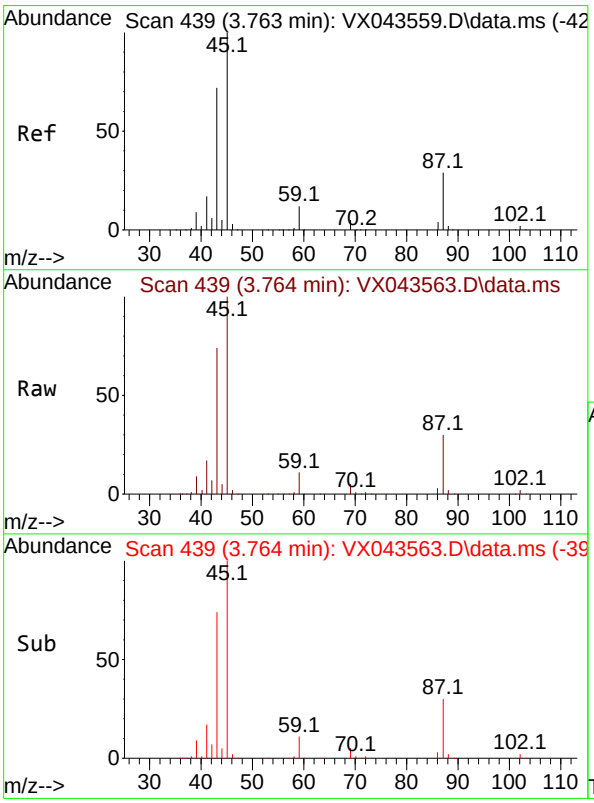
#21
trans-1,2-Dichloroethene
Concen: 44.148 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 96 Resp: 89643

Ion	Ratio	Lower	Upper
96	100		
61	137.7	107.1	160.7
98	65.0	47.7	71.5

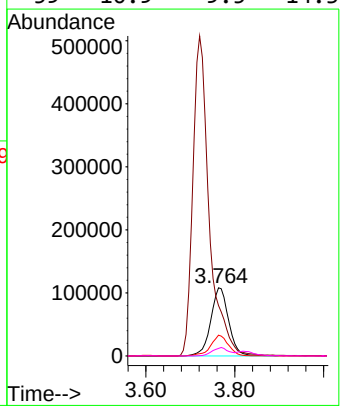


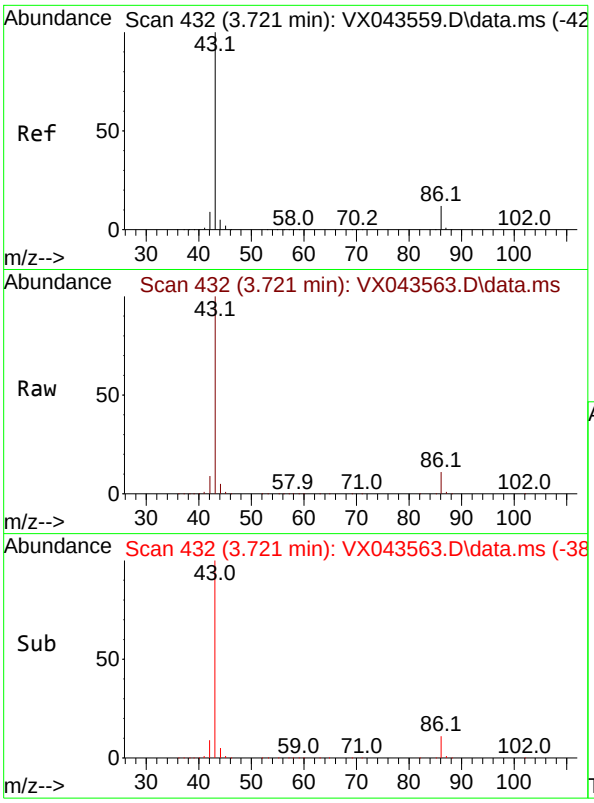


#22
Diisopropyl ether
Concen: 43.777 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 45 Resp: 300804

Ion	Ratio	Lower	Upper
45	100		
43	73.9	60.6	90.8
87	30.4	22.0	33.0
59	10.9	9.5	14.3



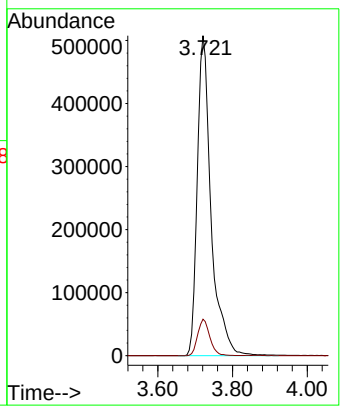


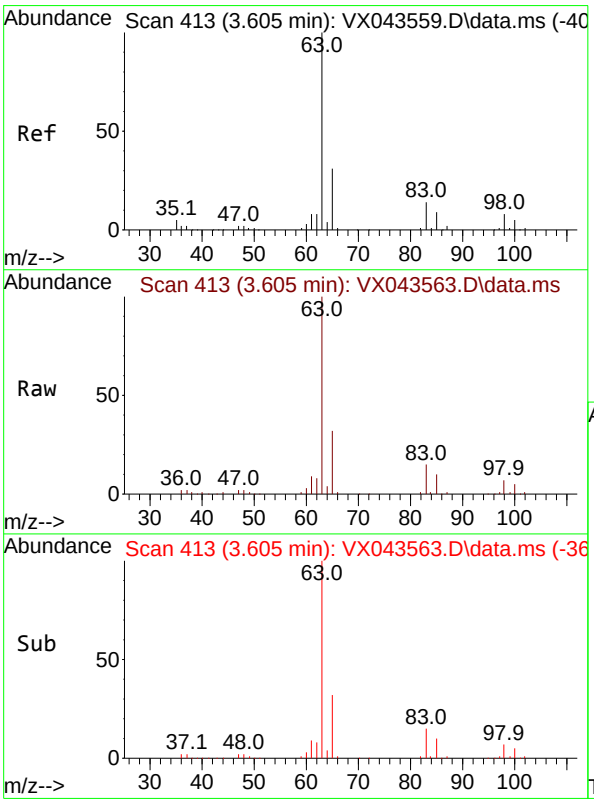
#23
Vinyl Acetate
Concen: 229.380 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 1302117

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.0	13.4

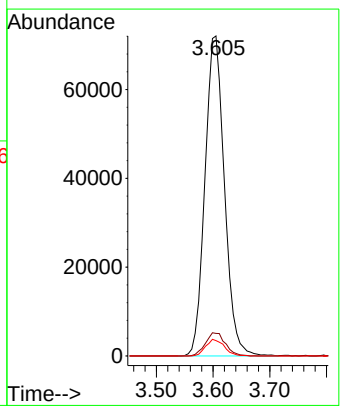


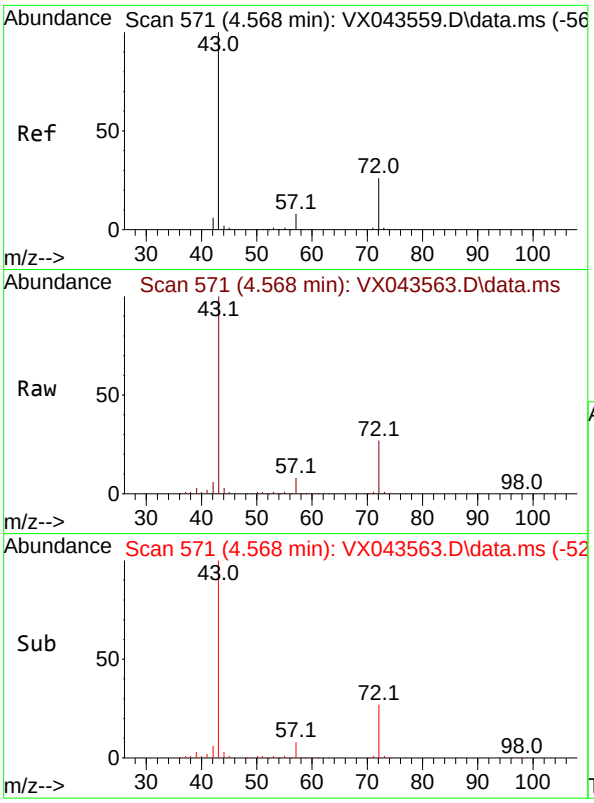


#24
1,1-Dichloroethane
Concen: 43.633 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 63 Resp: 172319

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.8	2.4	7.2



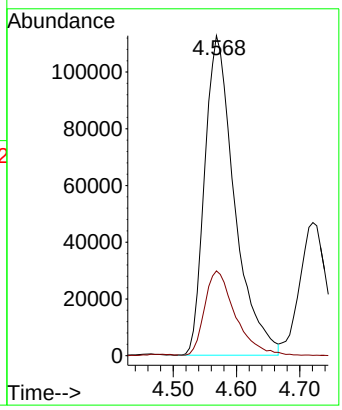


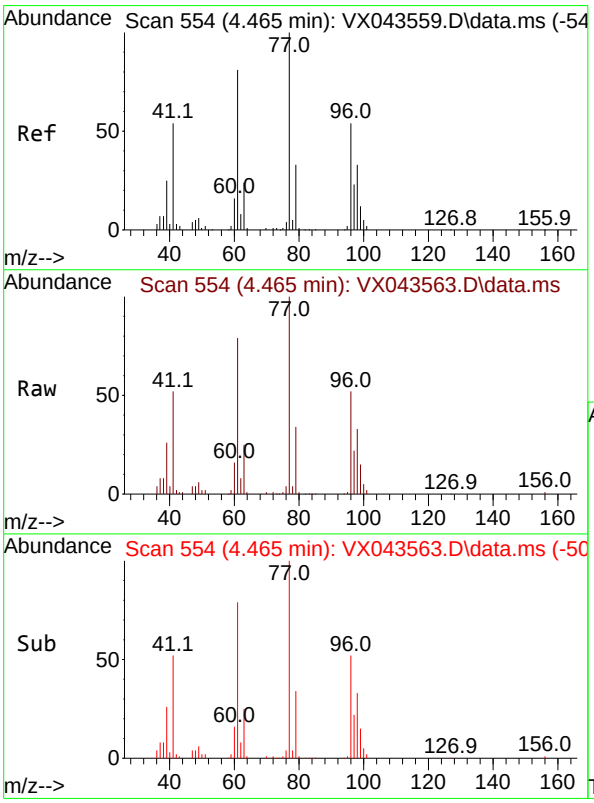
#25
2-Butanone
Concen: 222.655 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 368994

Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.1	31.7

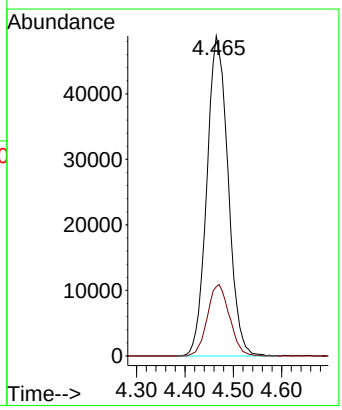


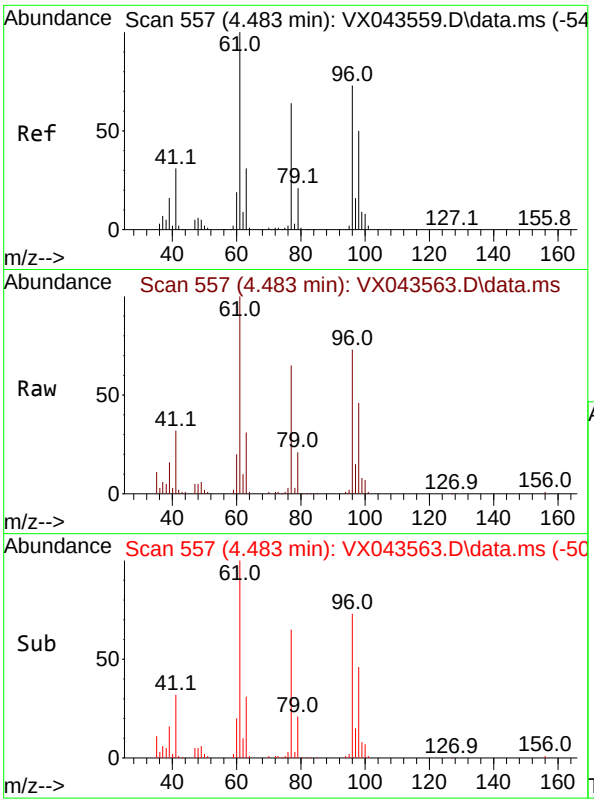


#26
2,2-Dichloropropane
Concen: 46.075 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 77 Resp: 148949

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8



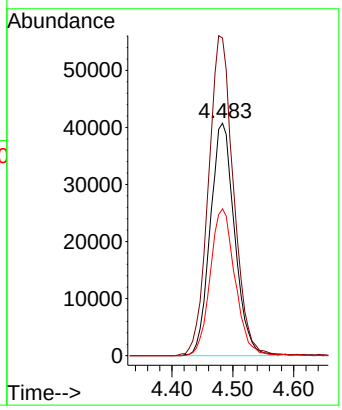


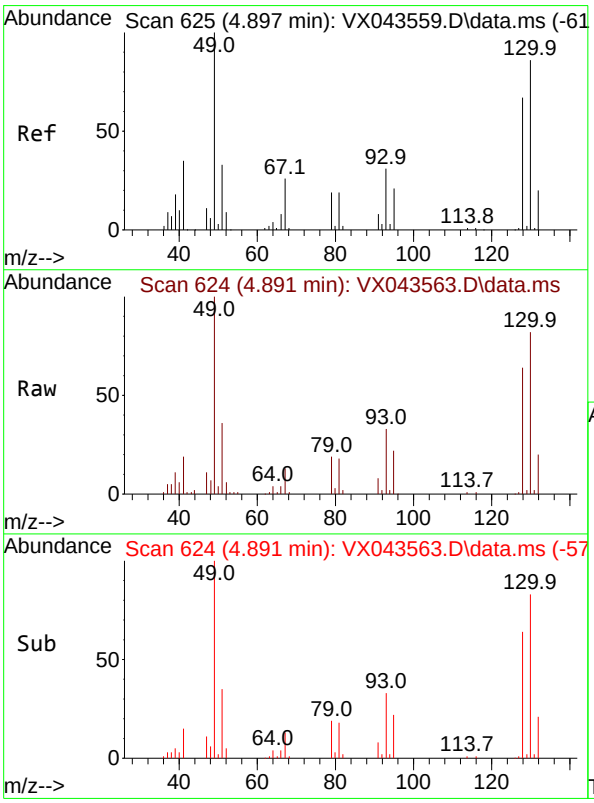
#27
cis-1,2-Dichloroethene
Concen: 43.635 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 96 Resp: 113181

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	277.2
98	64.1	0.0	131.6

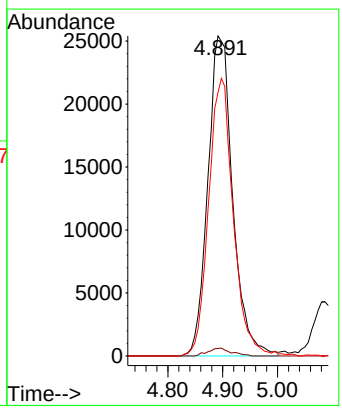


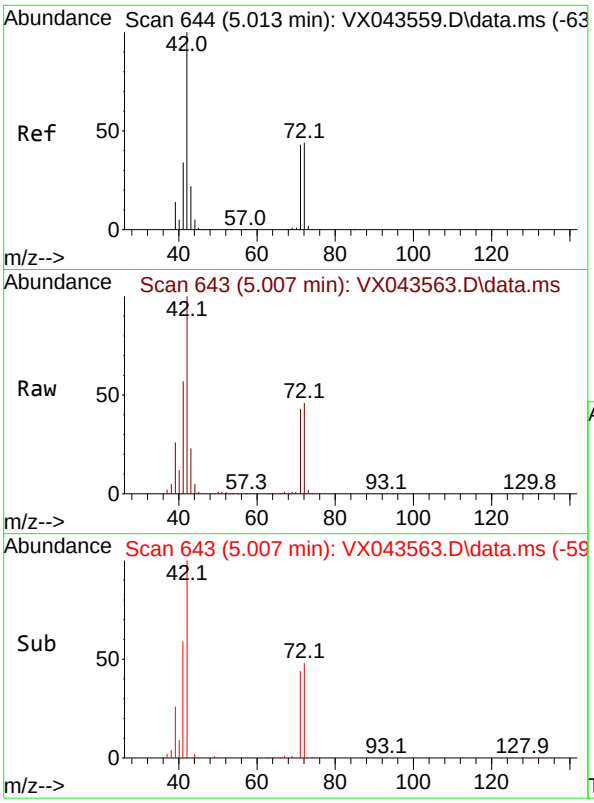


#28
Bromochloromethane
Concen: 42.606 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 49 Resp: 80045

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.0	67.8	101.8



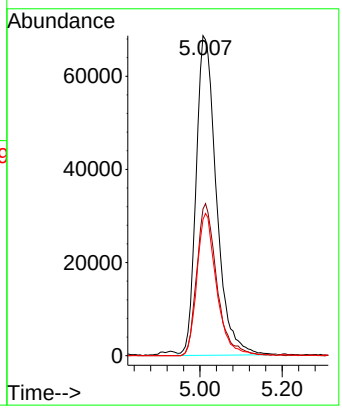


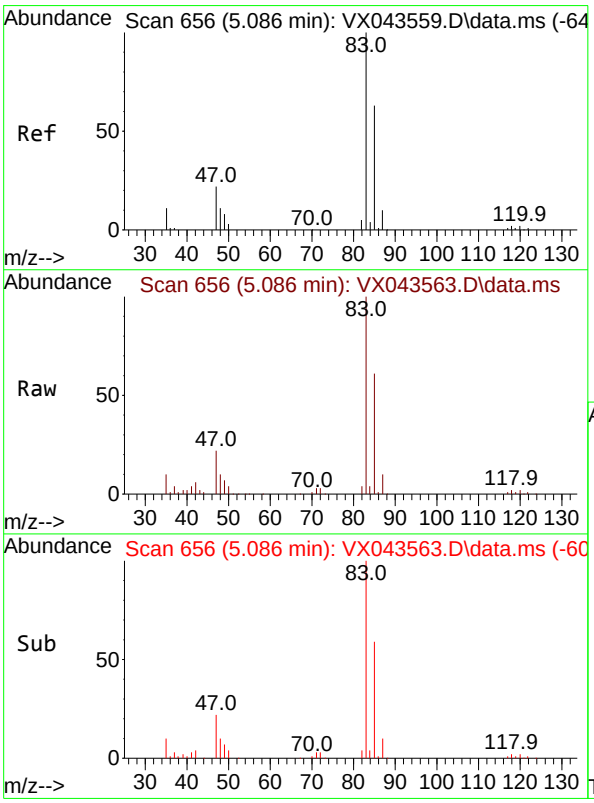
#29
Tetrahydrofuran
Concen: 218.299 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 42 Resp: 235105

Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.6	55.0
71	43.1	34.2	51.4

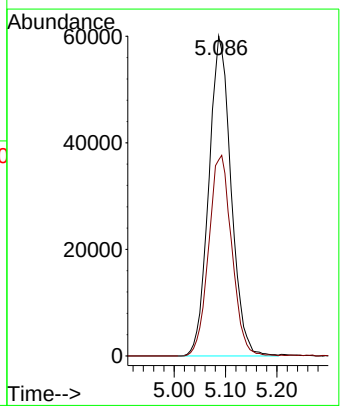


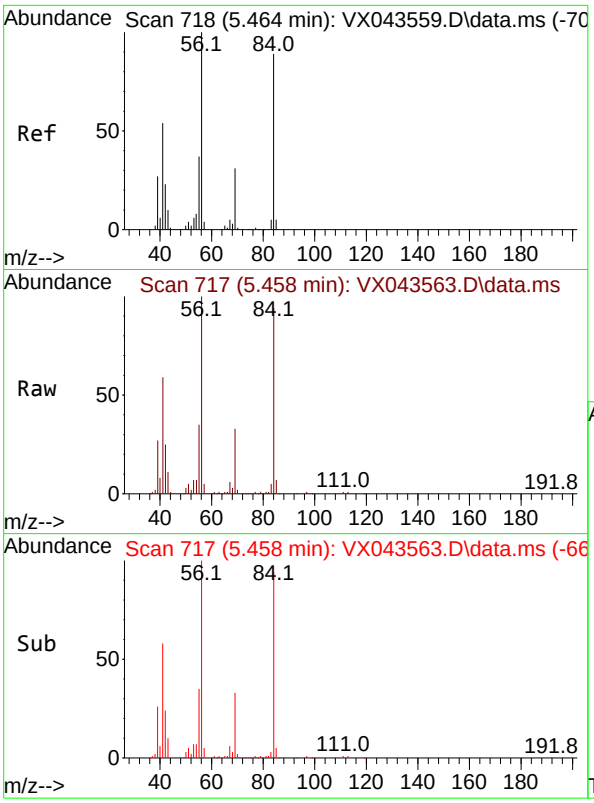


#30
Chloroform
Concen: 43.621 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 83 Resp: 180585

Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.2	78.4



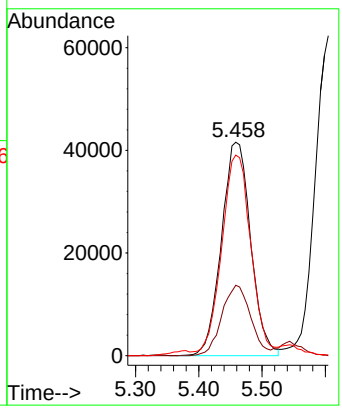


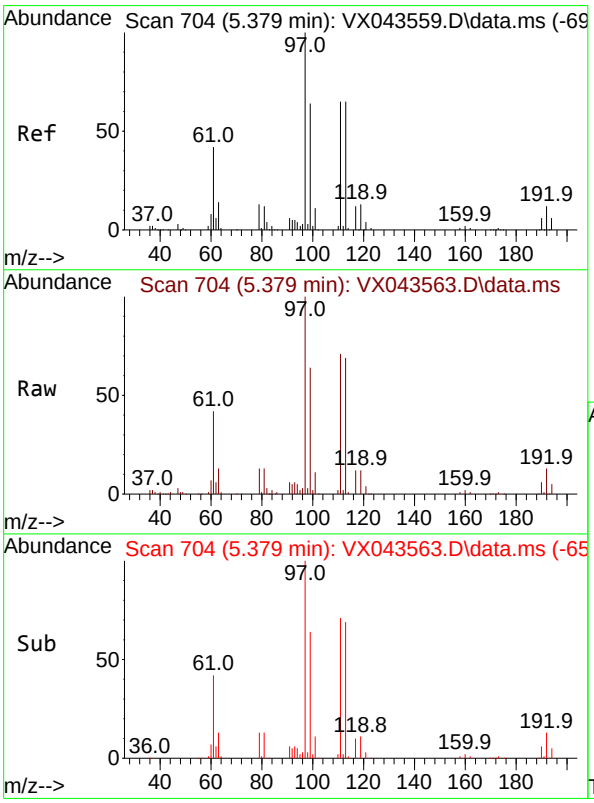
#31
Cyclohexane
Concen: 44.229 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 56 Resp: 133601

Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.9	37.3
84	92.1	73.3	109.9

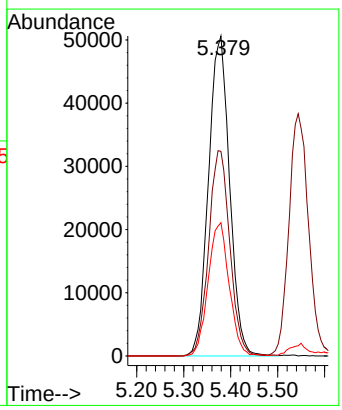


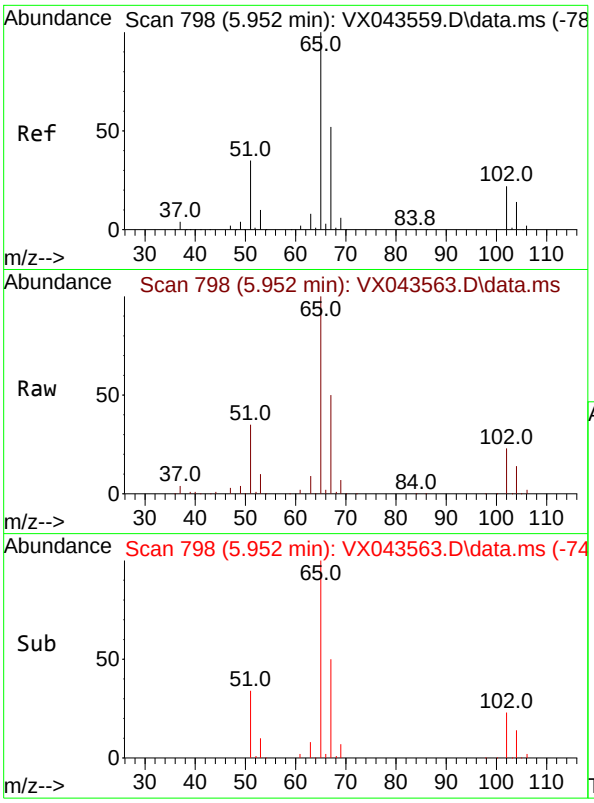


#32
1,1,1-Trichloroethane
Concen: 45.409 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 97 Resp: 157829

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	41.7	34.0	51.0



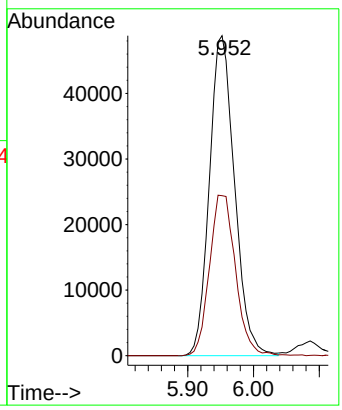


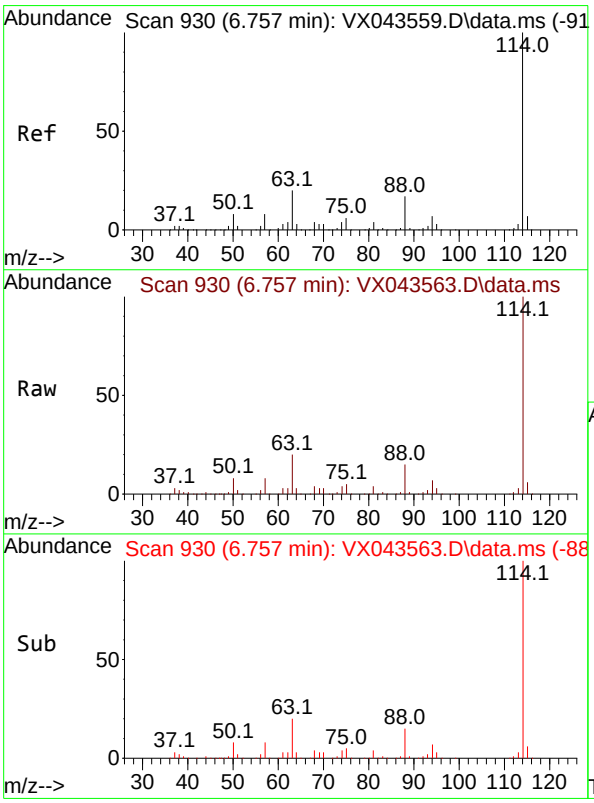
#33
1,2-Dichloroethane-d4
Concen: 45.512 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 65 Resp: 130207

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

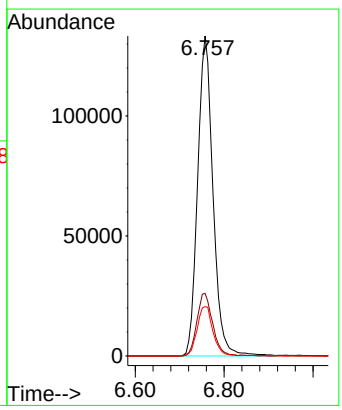


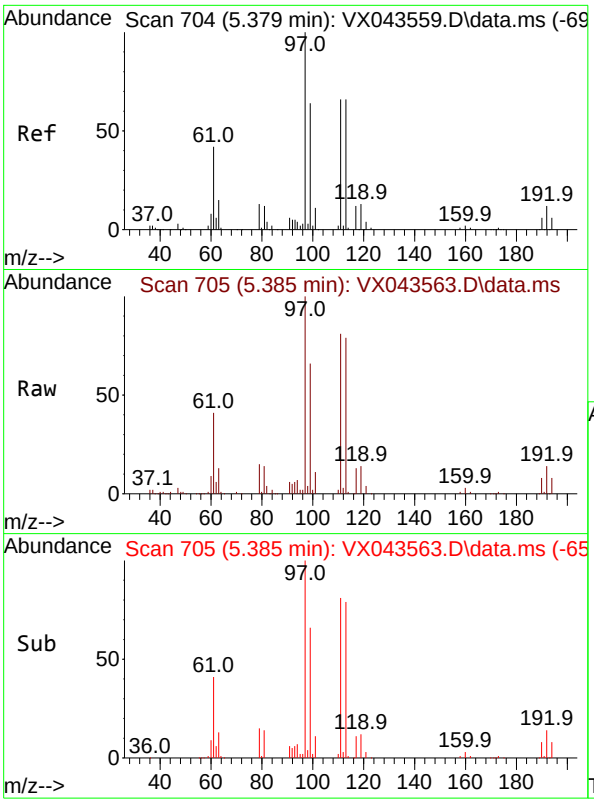


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:114 Resp: 320605

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.2
88	15.4	0.0	34.0



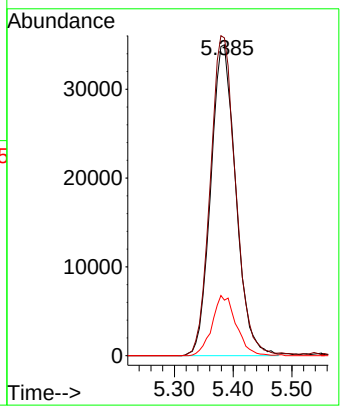


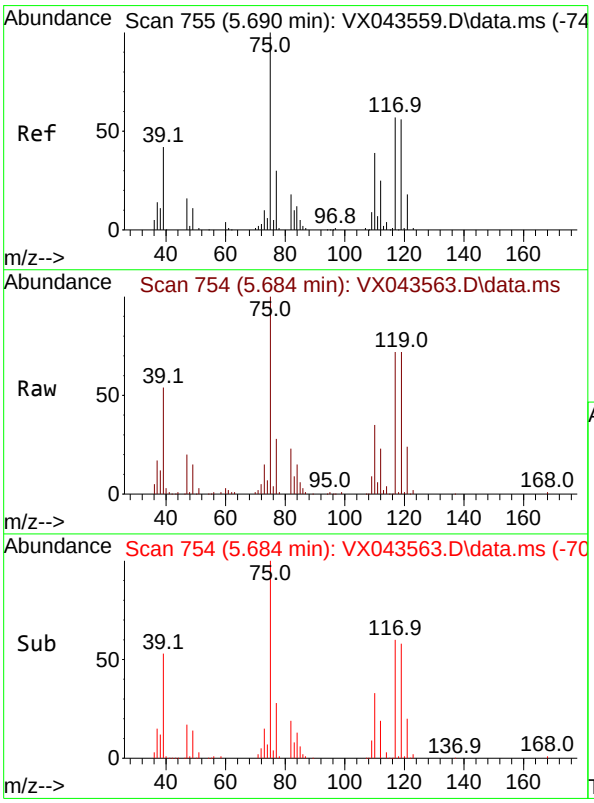
#35
Dibromofluoromethane
Concen: 47.657 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:113 Resp: 103607

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	18.6	14.1	21.1

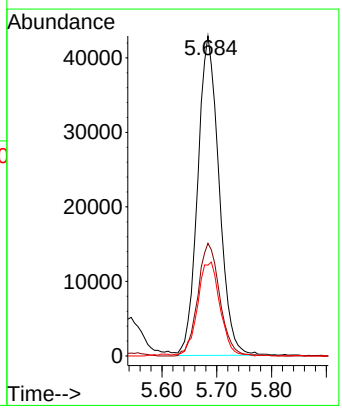


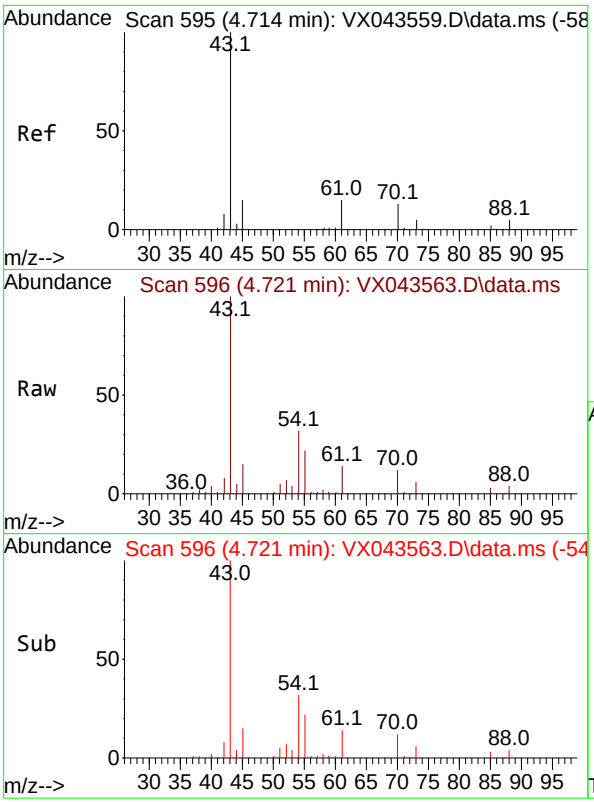


#36
1,1-Dichloropropene
Concen: 44.924 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 115808

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.9	53.7
77	31.1	25.0	37.4



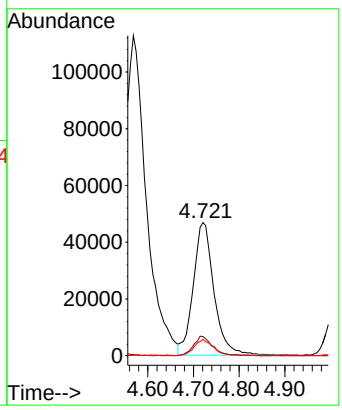


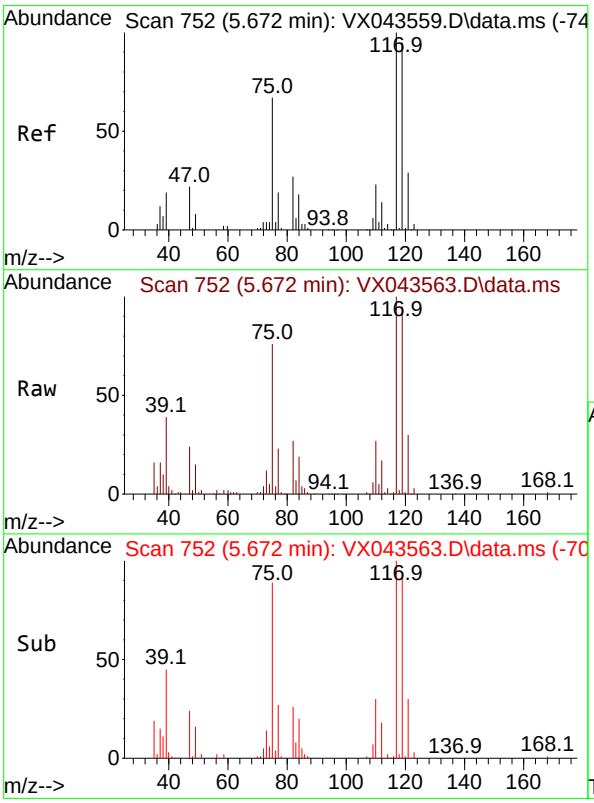
#37
Ethyl Acetate
Concen: 46.862 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 146662

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	11.3	8.9	13.3

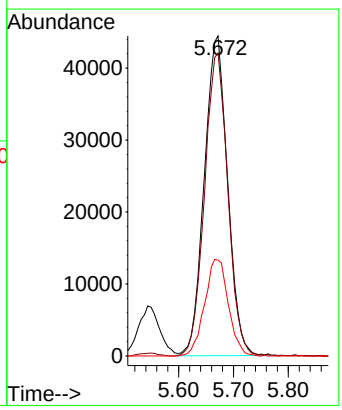


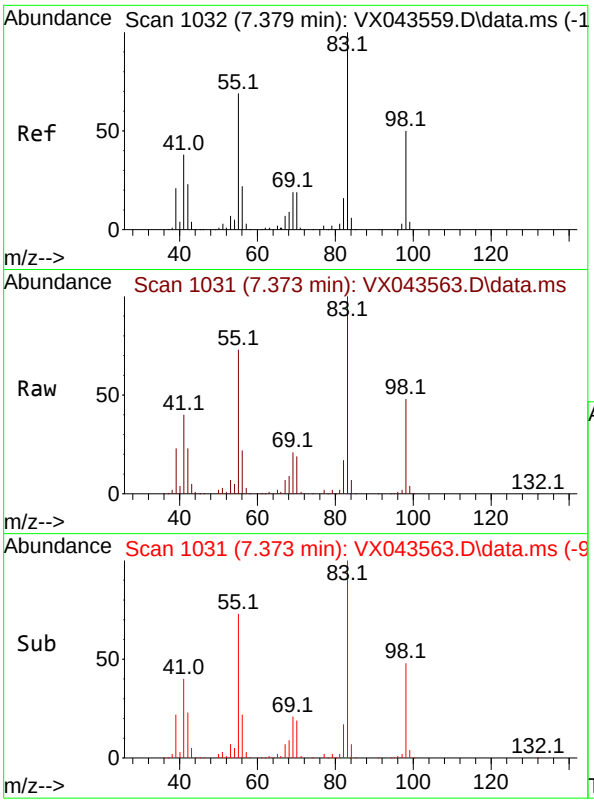


#38
Carbon Tetrachloride
Concen: 46.088 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:117 Resp: 131275

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.6
121	30.0	24.7	37.1



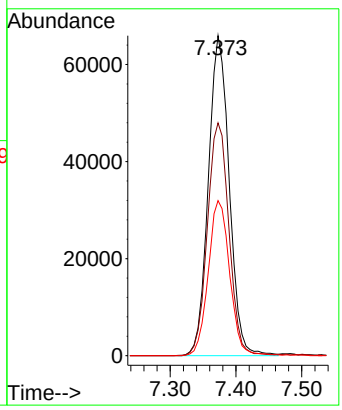


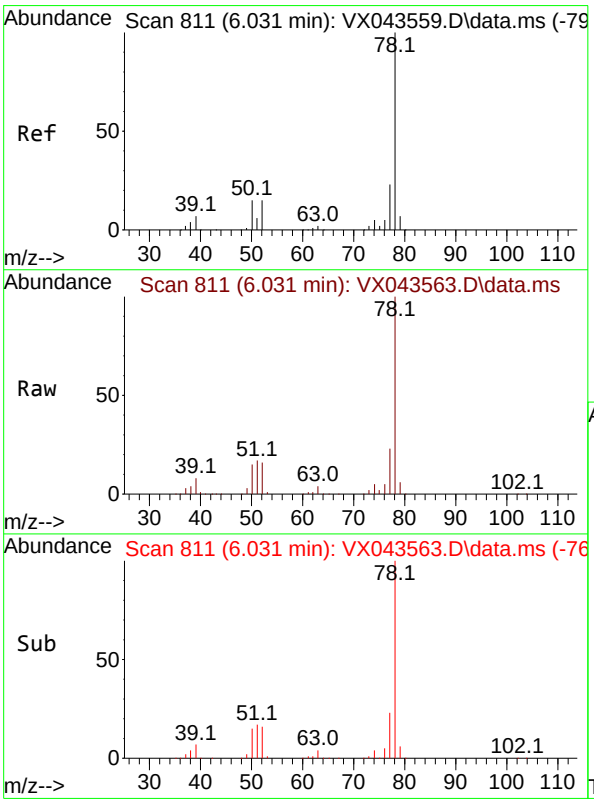
#39
Methylcyclohexane
Concen: 45.618 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 83 Resp: 146003

Ion	Ratio	Lower	Upper
83	100		
55	72.6	59.9	89.9
98	48.5	41.3	61.9

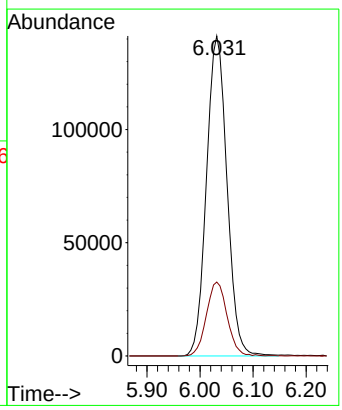


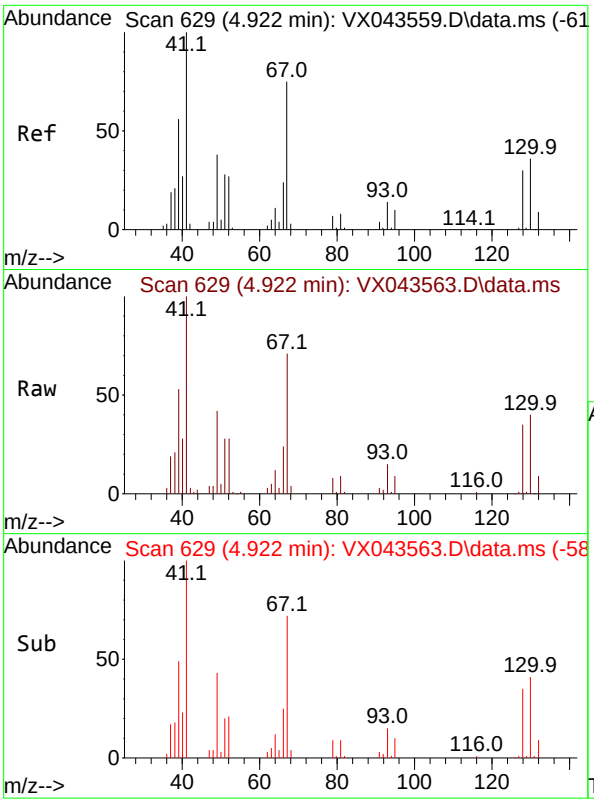


#40
Benzene
Concen: 44.132 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 78 Resp: 379529

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6



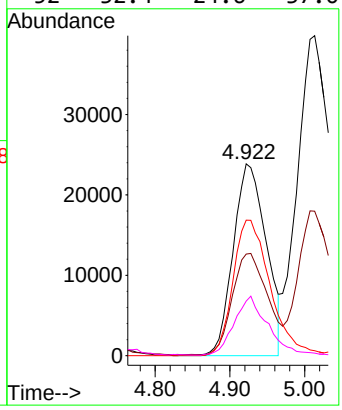


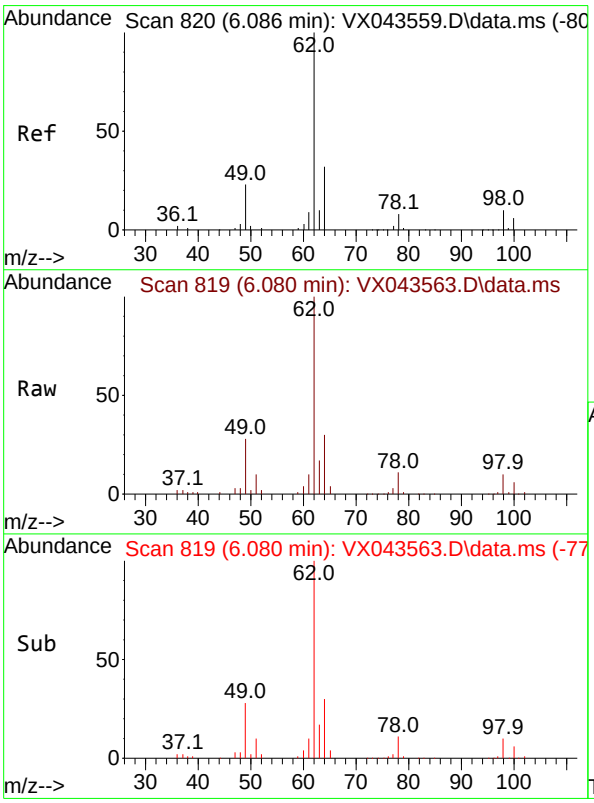
#41
Methacrylonitrile
Concen: 44.704 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 41 Resp: 73439

Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.5	65.3
67	79.9	58.3	87.5
52	32.4	24.6	37.0

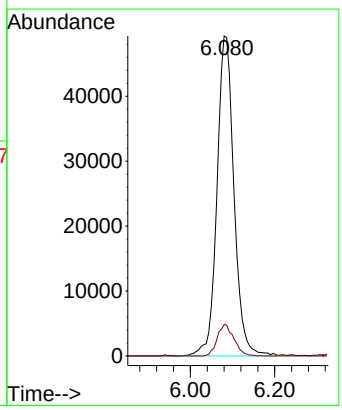


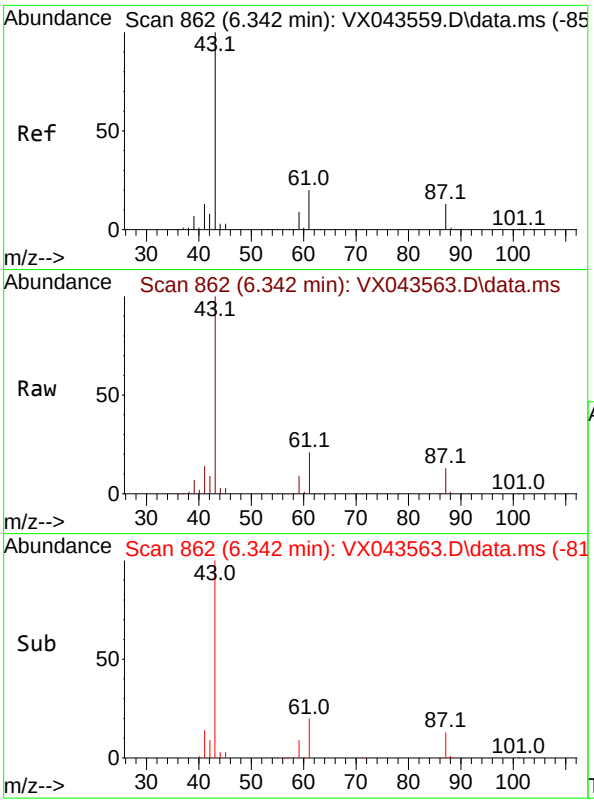


#42
1,2-Dichloroethane
Concen: 44.475 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 62 Resp: 137504

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8



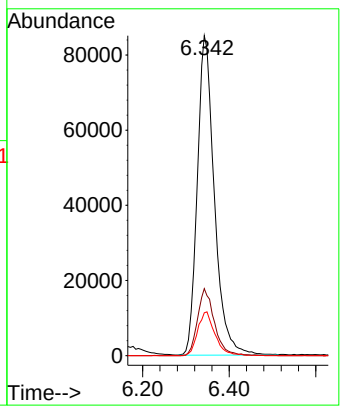


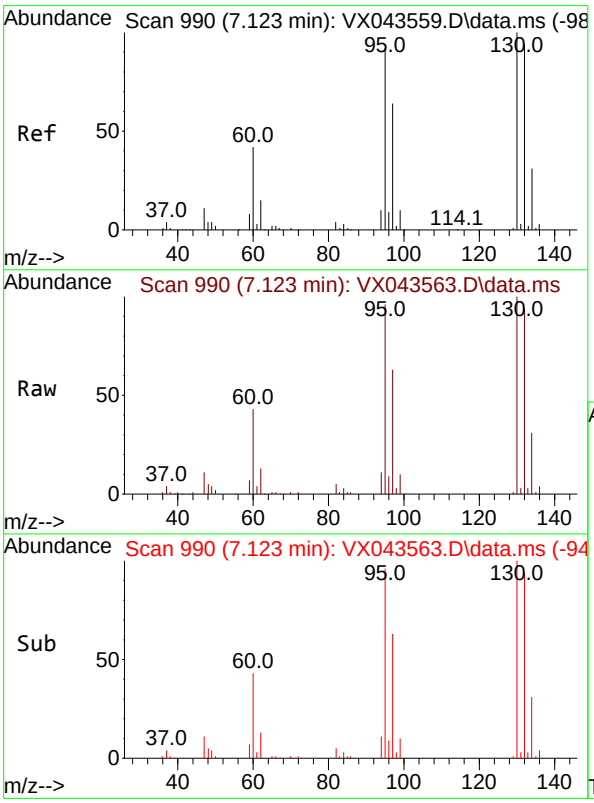
#43
Isopropyl Acetate
Concen: 45.049 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 233162

Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.2	24.4
87	13.9	11.0	16.6

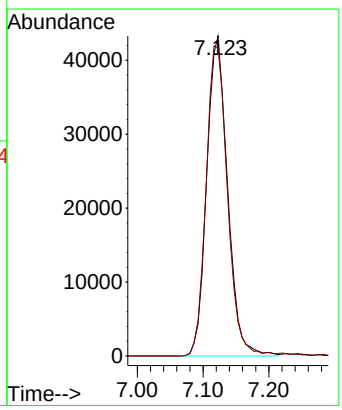


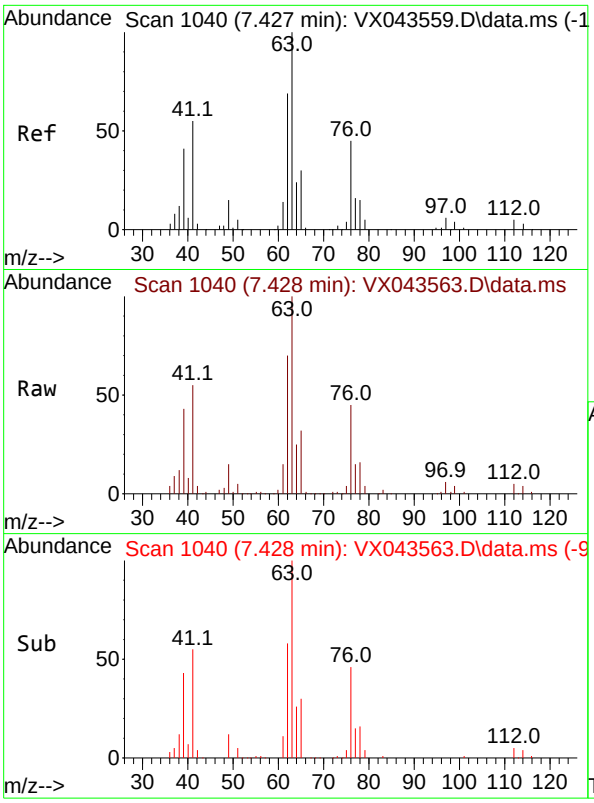


#44
Trichloroethene
Concen: 44.826 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:130 Resp: 95769

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.6



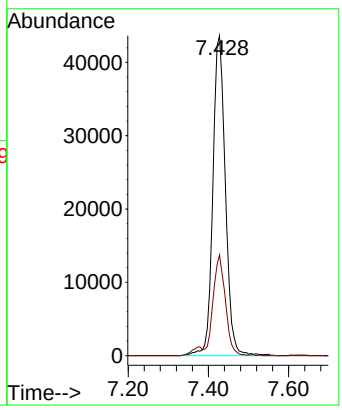


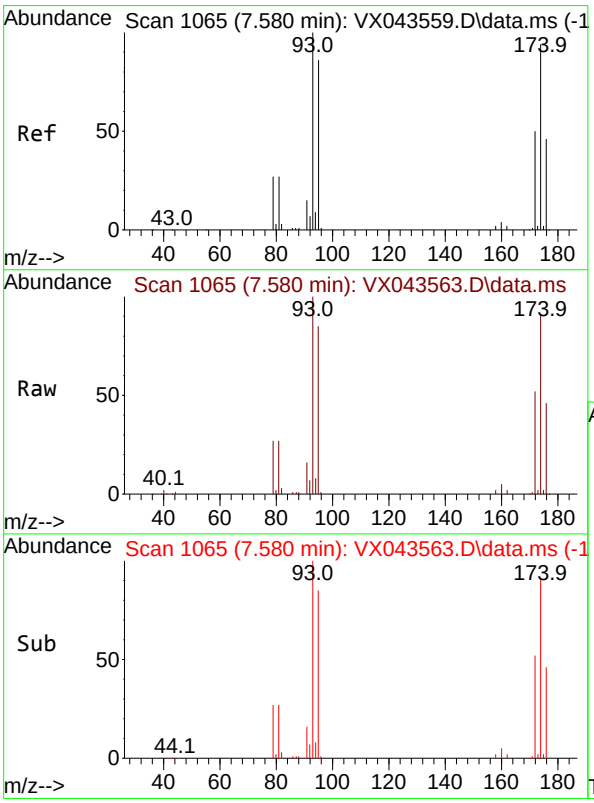
#45
1,2-Dichloropropane
Concen: 44.772 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 63 Resp: 94807

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.5	36.7

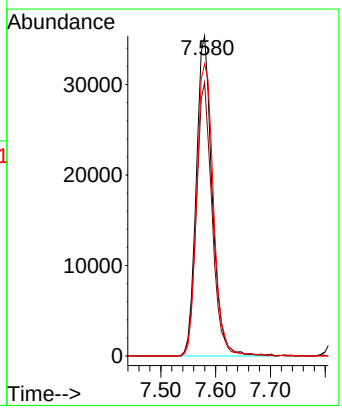


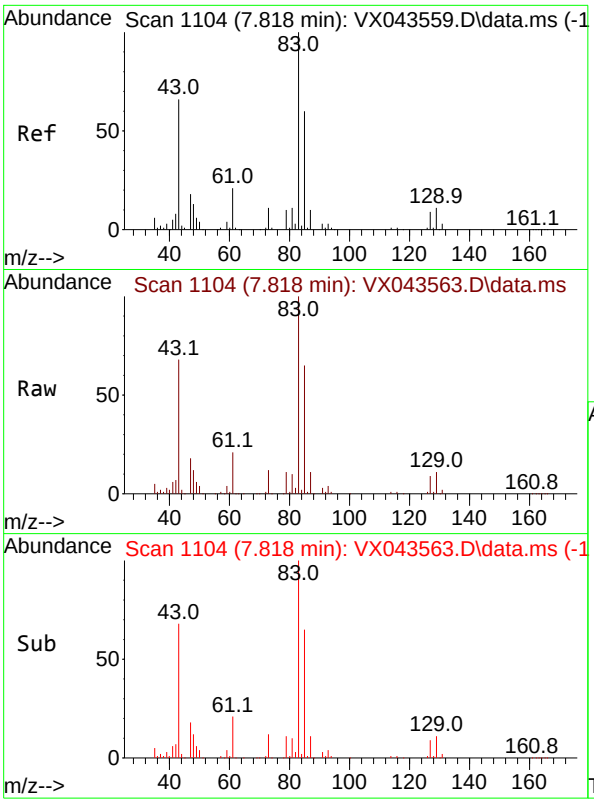


#46
Dibromomethane
Concen: 43.863 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 93 Resp: 71516

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	95.8	75.0	112.4



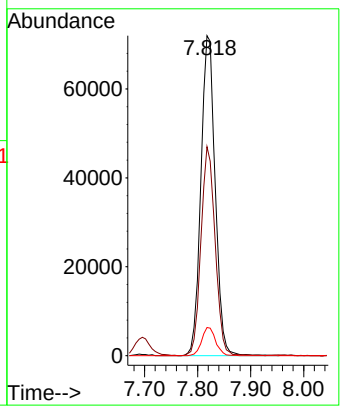


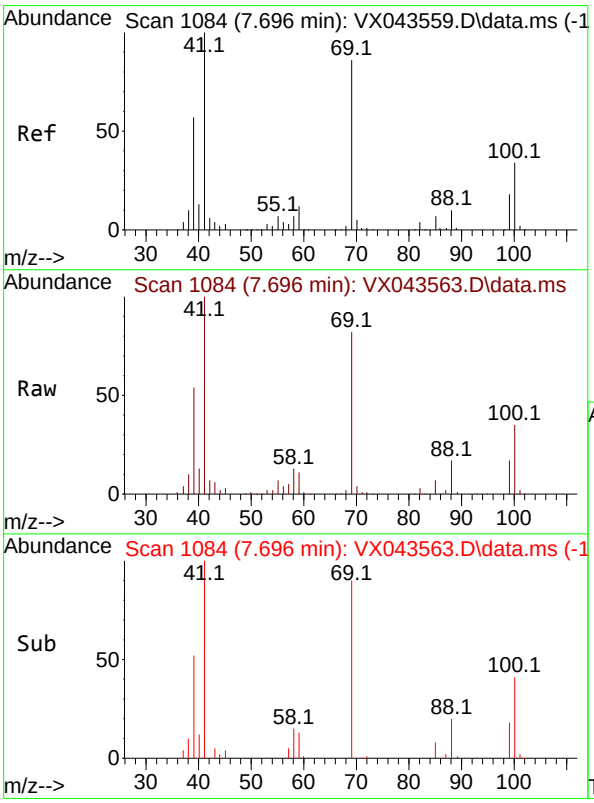
#47
Bromodichloromethane
Concen: 47.134 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 83 Resp: 134816

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	8.8	7.1	10.7

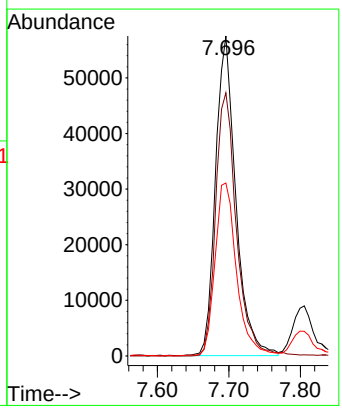


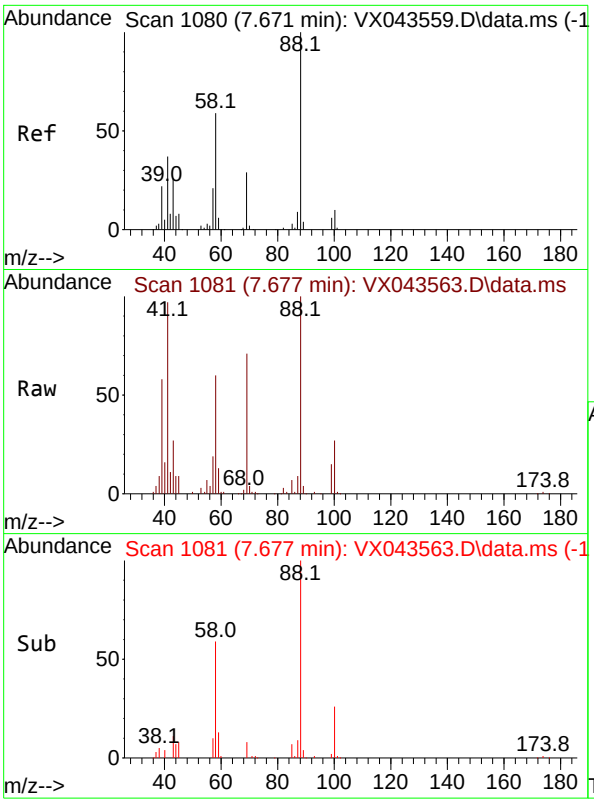


#48
Methyl methacrylate
Concen: 46.235 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 41 Resp: 113455

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.7	101.5
39	57.6	46.3	69.5



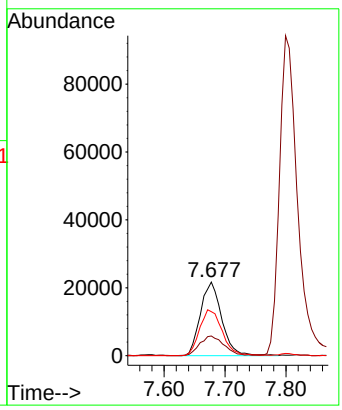


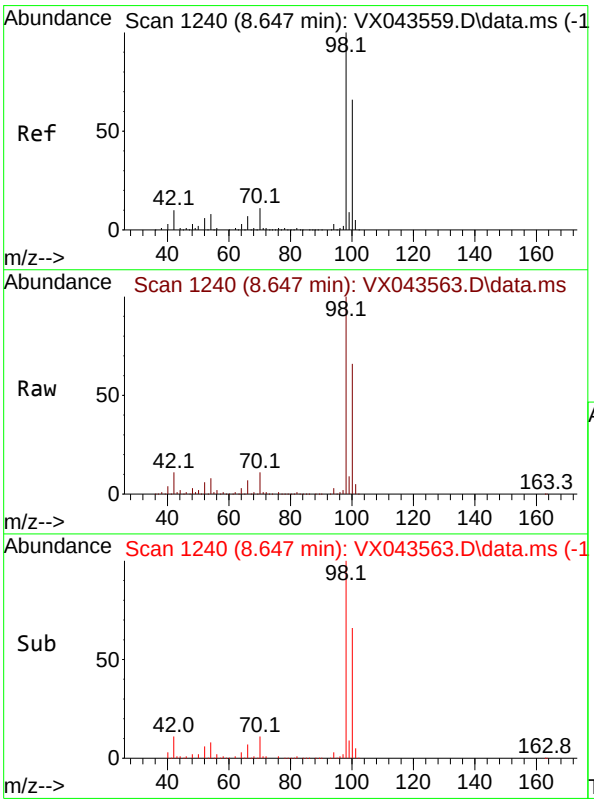
#49
1,4-Dioxane
Concen: 1047.352 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 88 Resp: 52802

Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.3	37.9
58	66.0	53.9	80.9

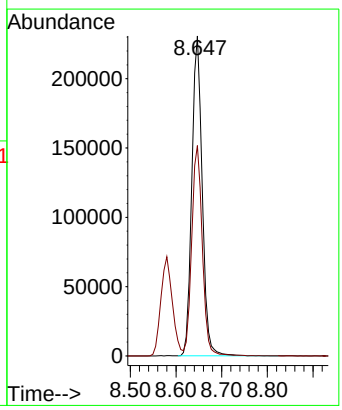


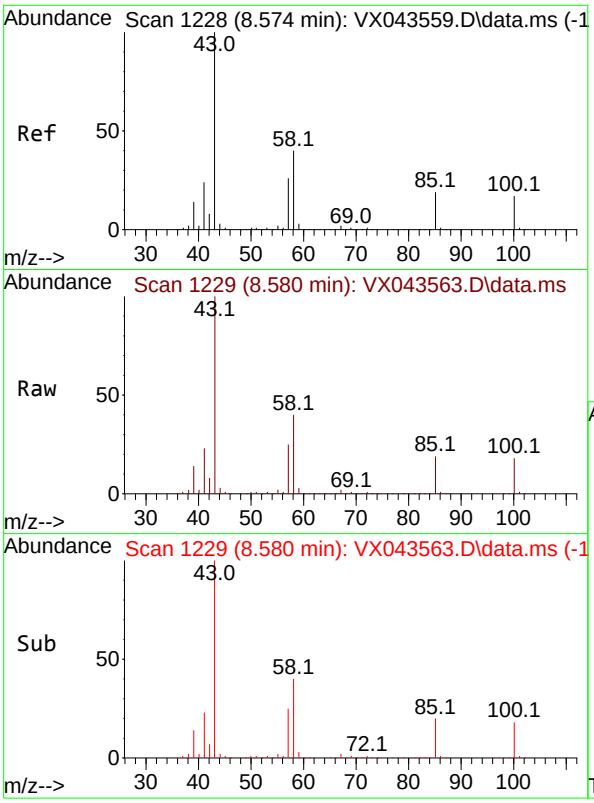


#50
Toluene-d8
Concen: 48.461 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 98 Resp: 364696

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2



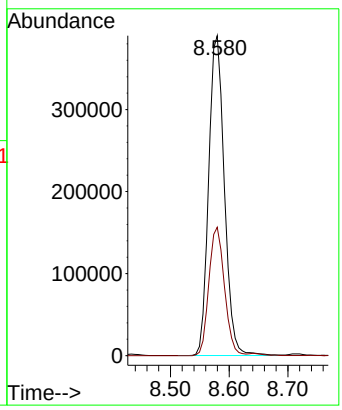


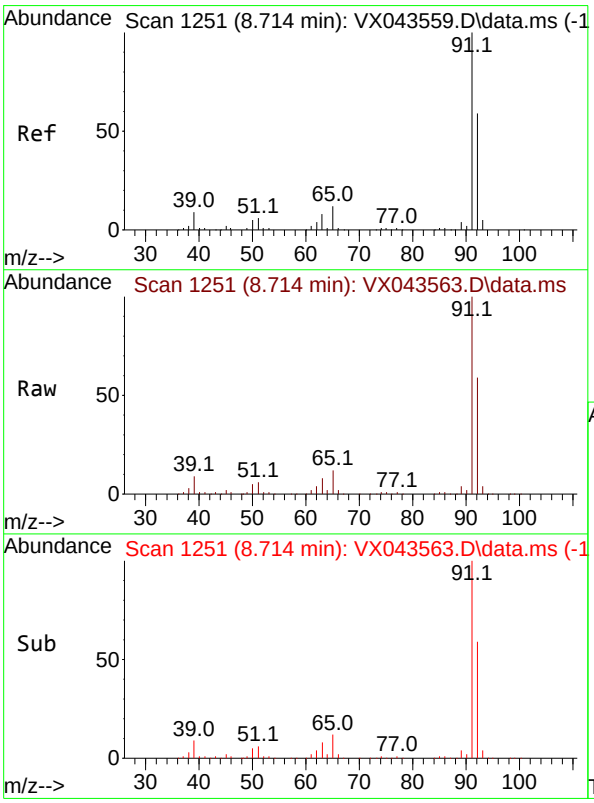
#51
4-Methyl-2-Pentanone
Concen: 229.383 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 723604

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.7	47.5

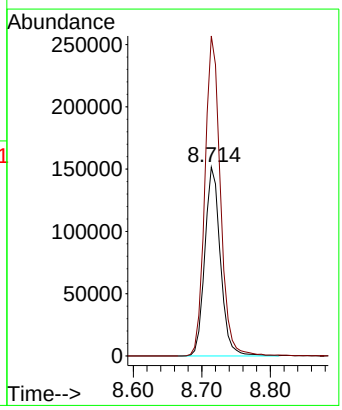


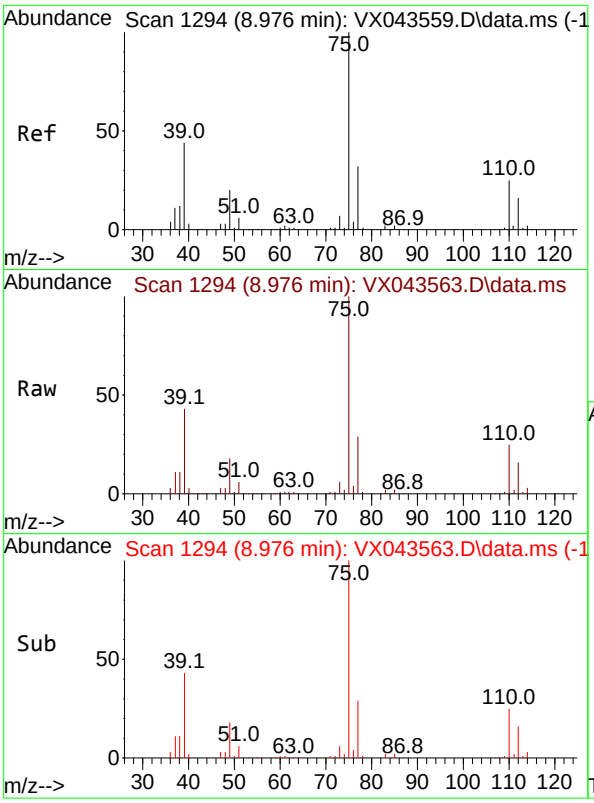


#52
Toluene
Concen: 46.000 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 92 Resp: 239913

Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.7	203.5



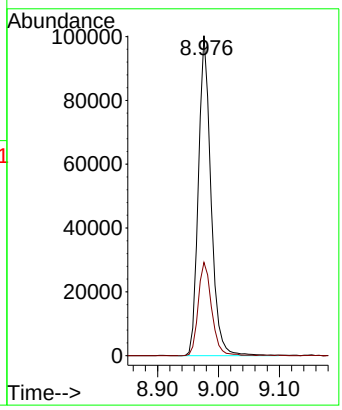


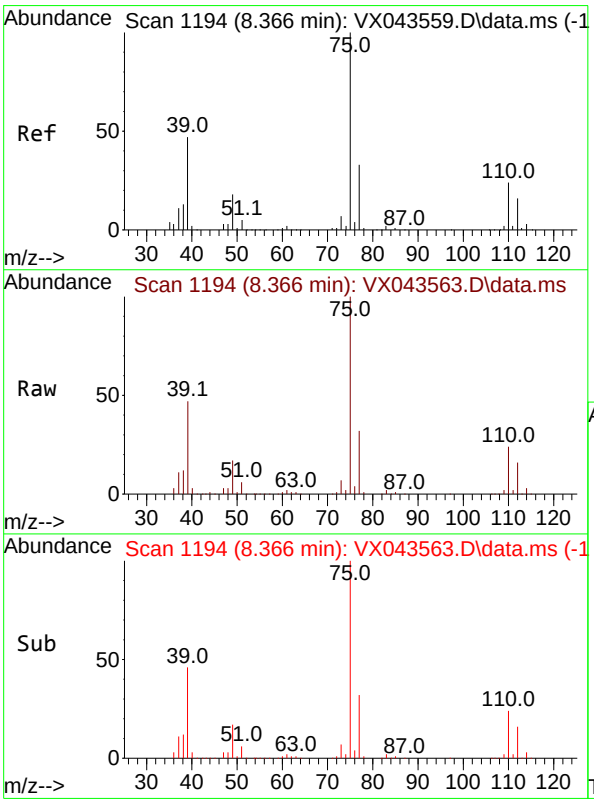
#53
t-1,3-Dichloropropene
Concen: 46.821 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 75 Resp: 143840

Ion	Ratio	Lower	Upper
75	100		
77	29.2	26.0	39.0

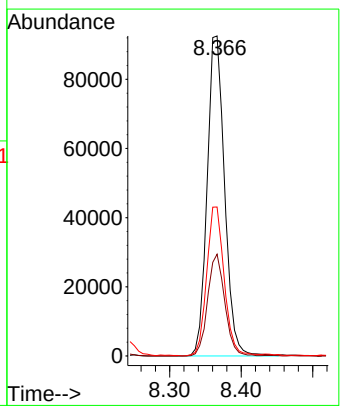


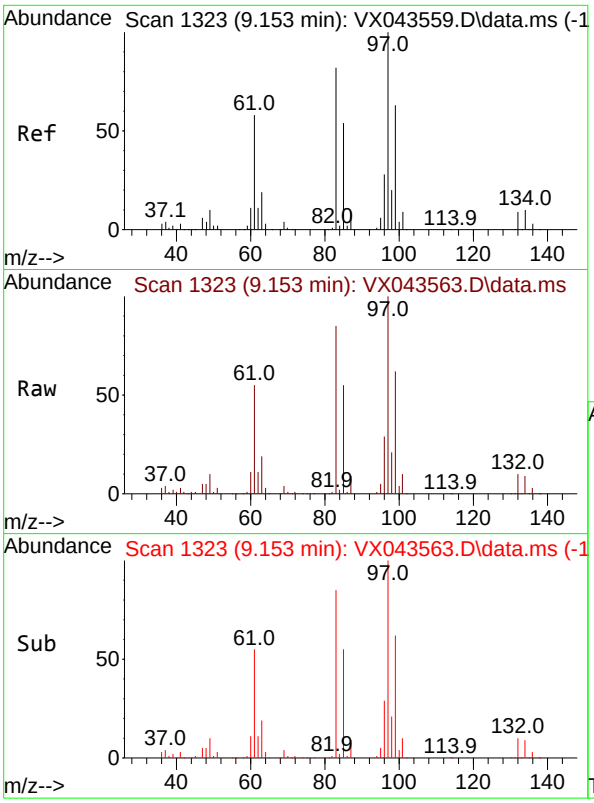


#54
cis-1,3-Dichloropropene
Concen: 47.945 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 156936

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	46.4	37.7	56.5



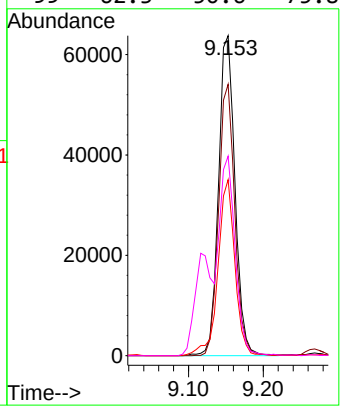


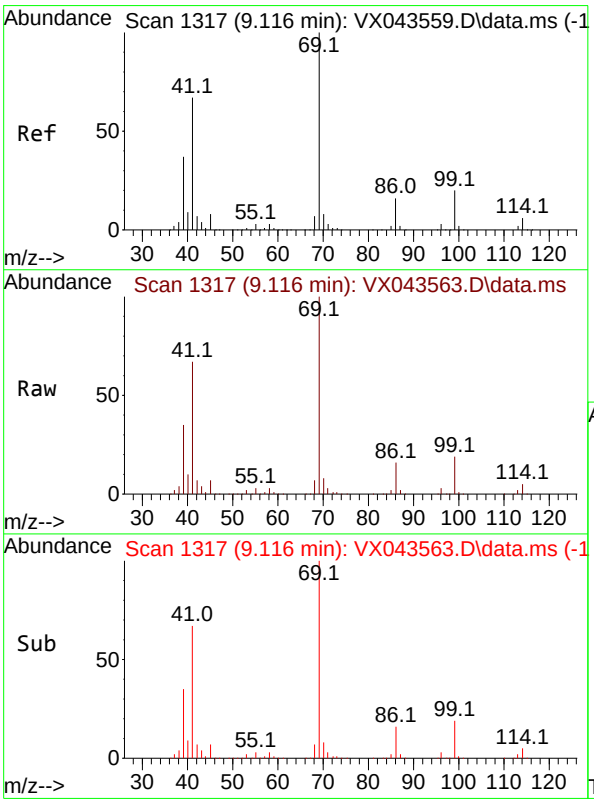
#55
1,1,2-Trichloroethane
Concen: 45.125 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 97 Resp: 97965

Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.3	100.9
85	55.0	43.6	65.4
99	62.3	50.6	75.8

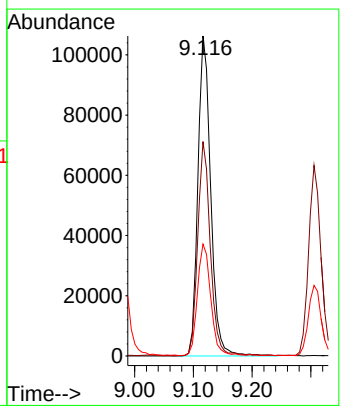


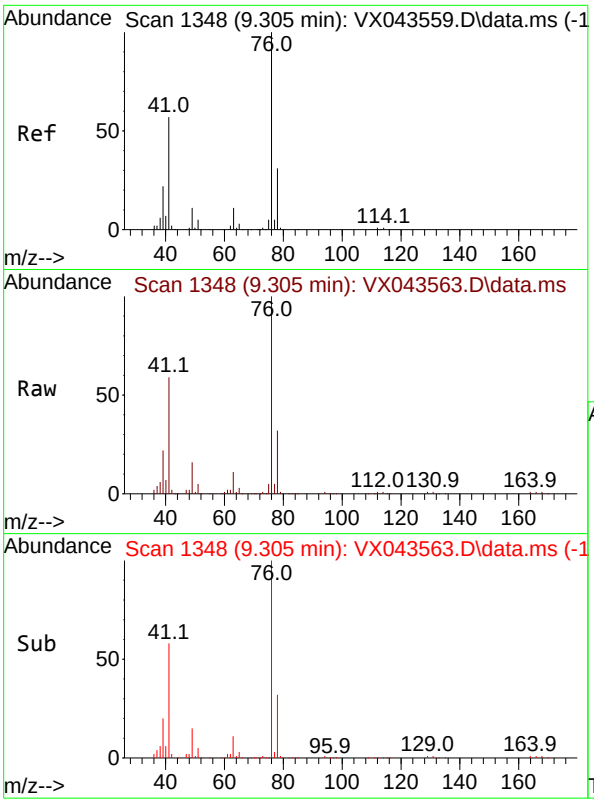


#56
Ethyl methacrylate
Concen: 45.728 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 69 Resp: 161309

Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.8	80.8
39	35.9	29.9	44.9



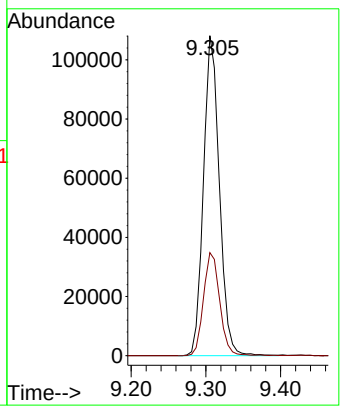


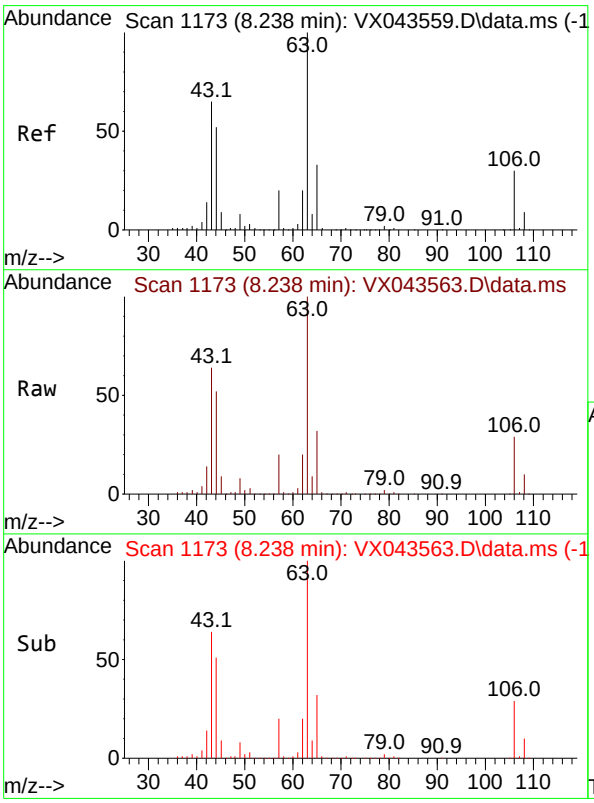
#57
1,3-Dichloropropane
Concen: 44.279 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 76 Resp: 159880

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

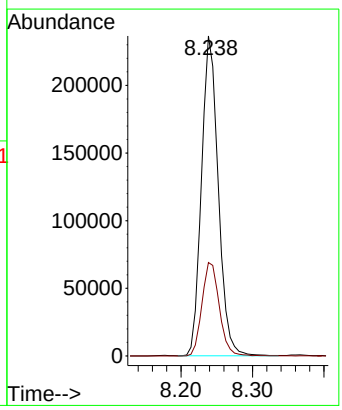


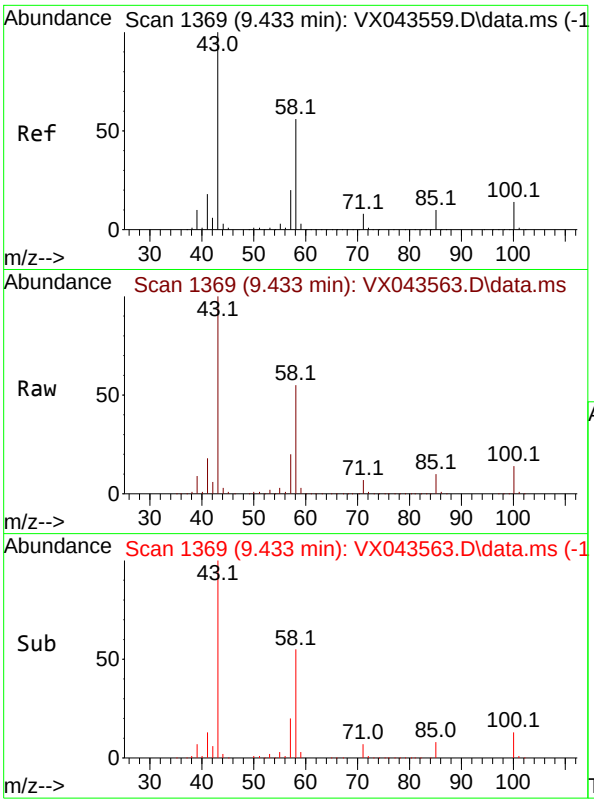


#58
2-Chloroethyl Vinyl ether
Concen: 225.175 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 63 Resp: 384698

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.6	35.4



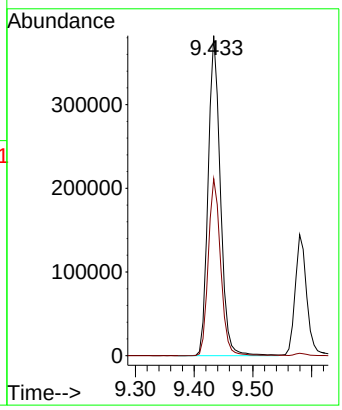


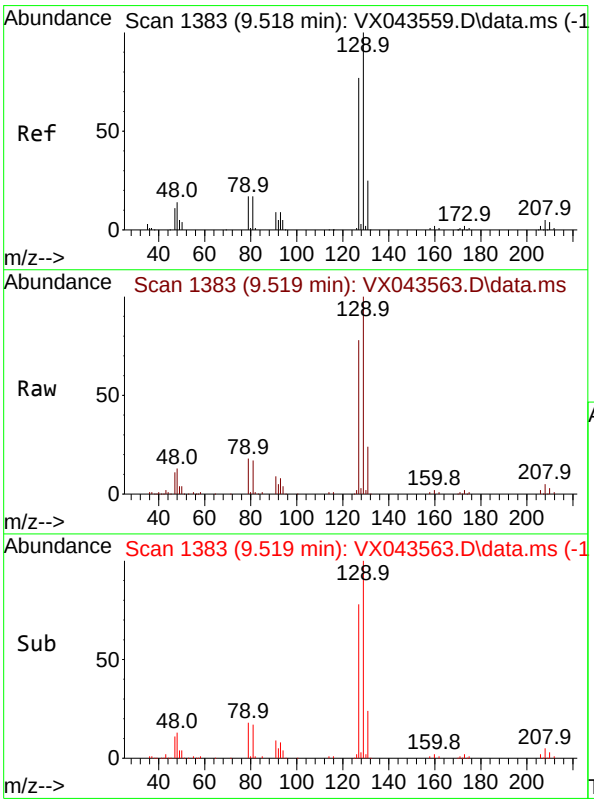
#59
2-Hexanone
Concen: 230.086 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 43 Resp: 551262

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.5	82.5

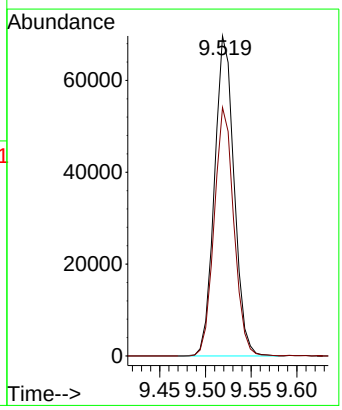


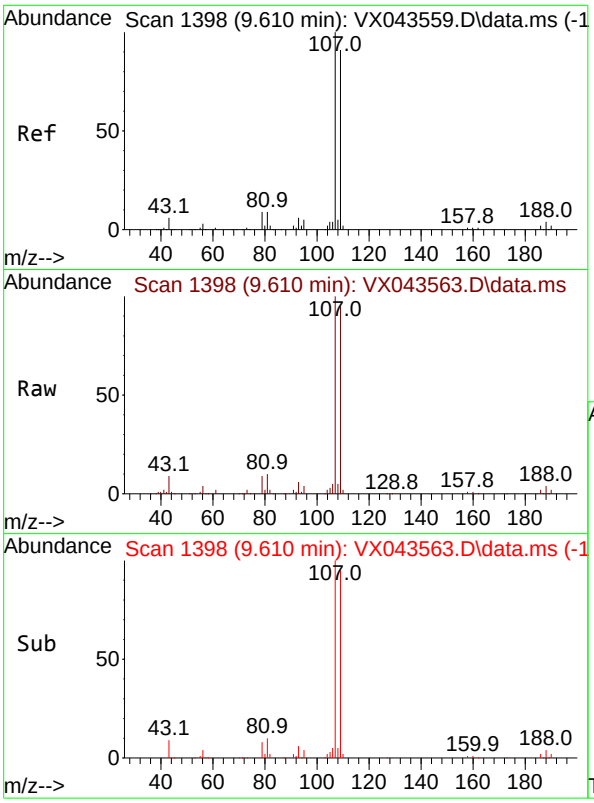


#60
Dibromochloromethane
Concen: 48.399 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:129 Resp: 104046

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1



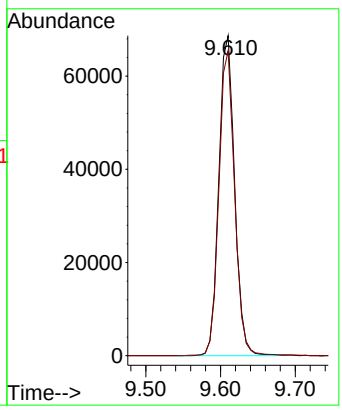


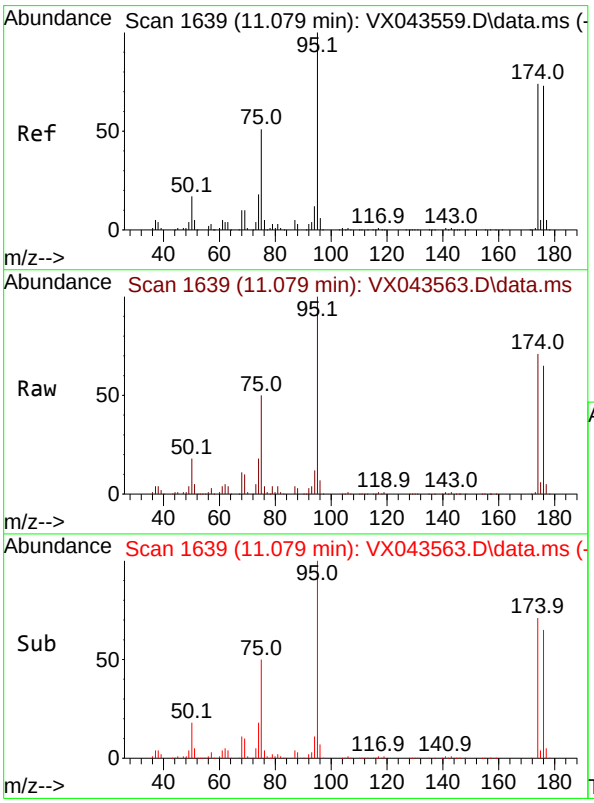
#61
1,2-Dibromoethane
Concen: 44.841 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:107 Resp: 101053

Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.1	115.7

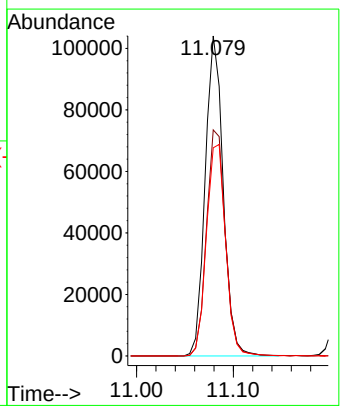


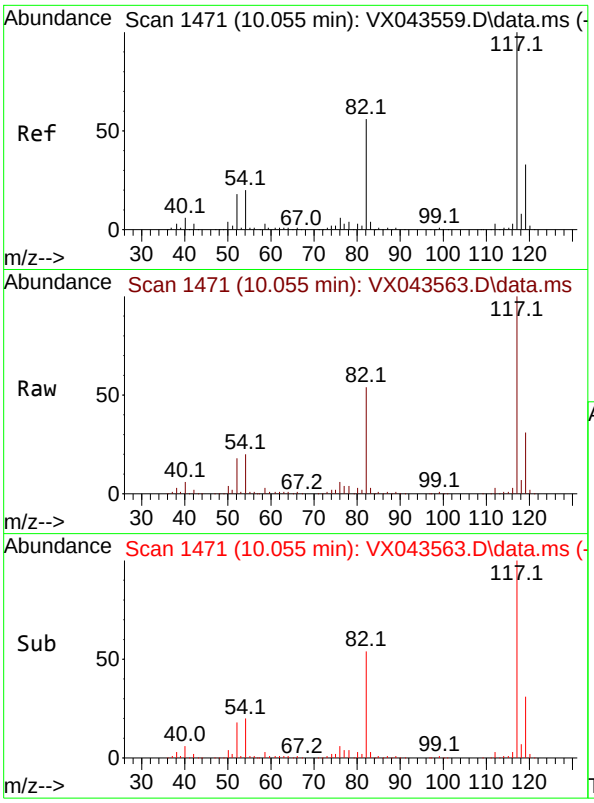


#62
4-Bromofluorobenzene
Concen: 48.327 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 95 Resp: 134767

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	146.6
176	70.6	0.0	139.6



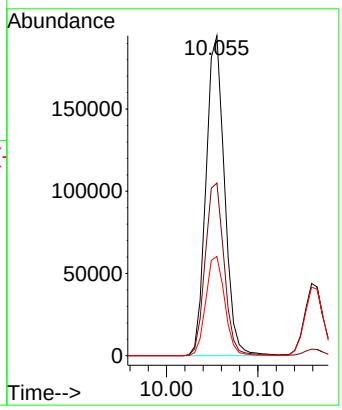


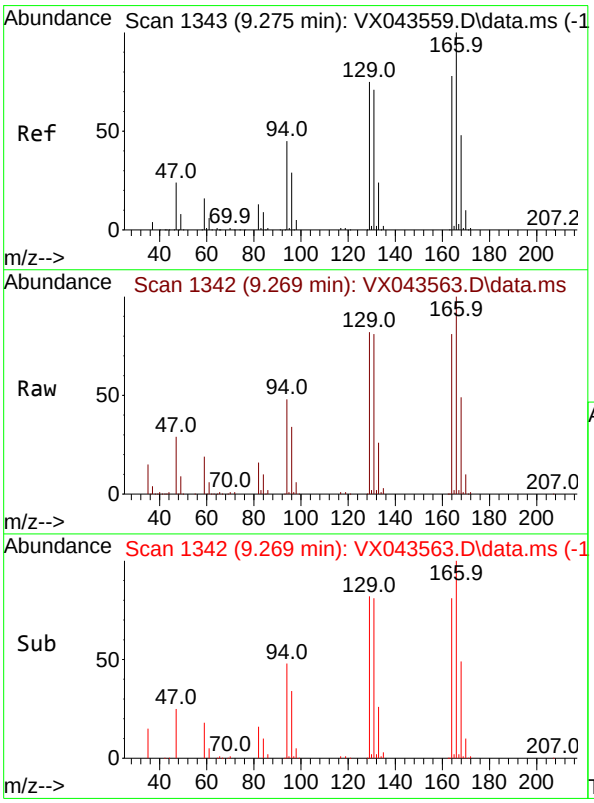
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:117 Resp: 273282

Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.1	63.1
119	31.0	25.4	38.2

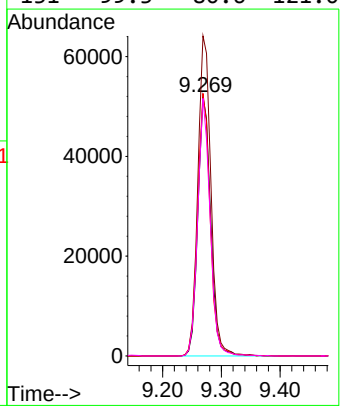


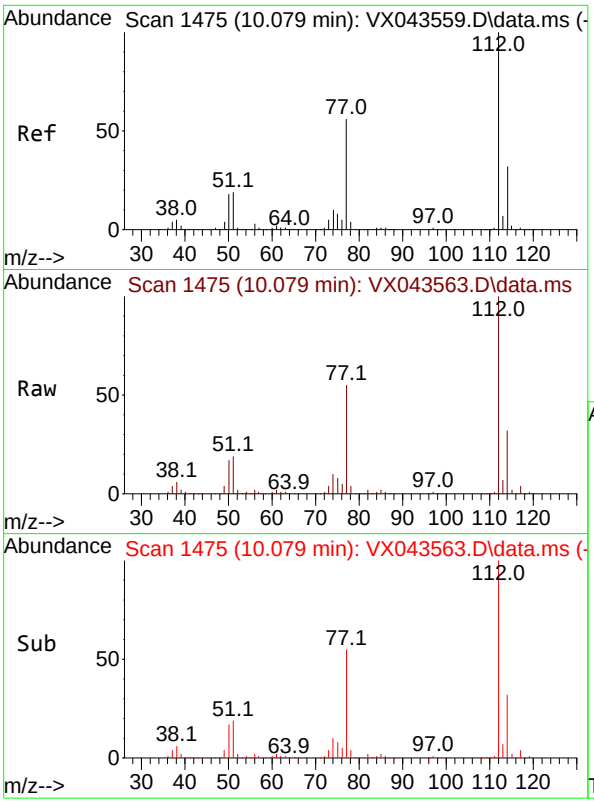


#64
Tetrachloroethene
Concen: 45.765 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:164 Resp: 78661

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.8	155.6
129	101.2	83.8	125.6
131	99.3	80.6	121.0



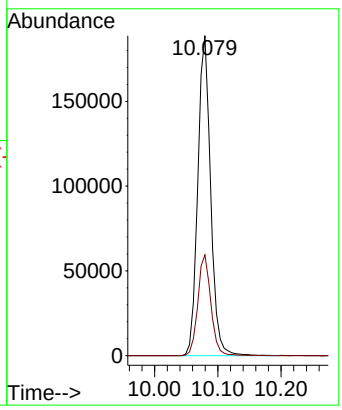


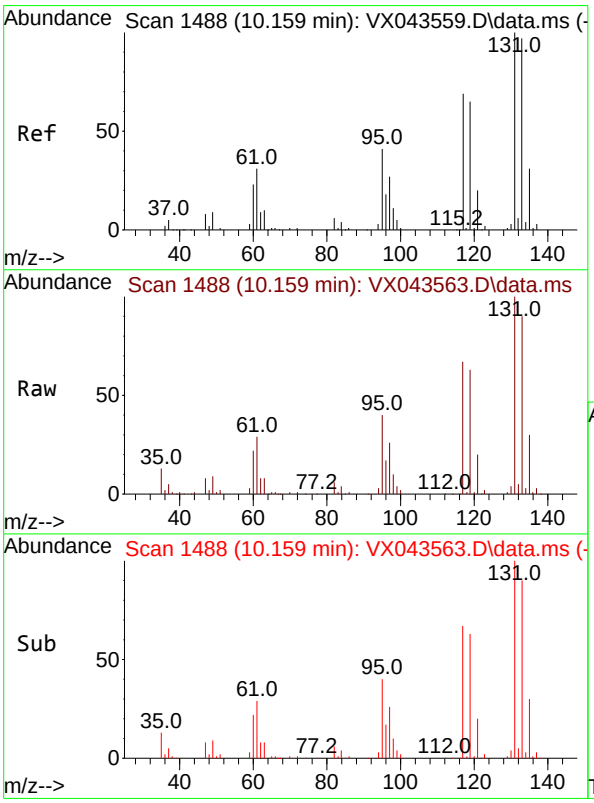
#65
Chlorobenzene
Concen: 45.479 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:112 Resp: 267388

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

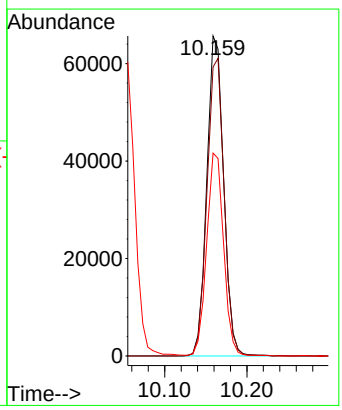


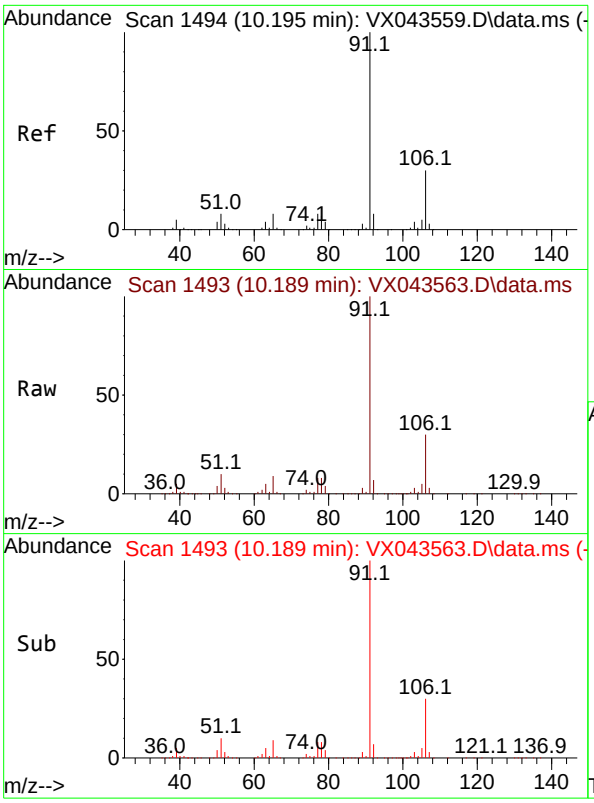


#66
1,1,1,2-Tetrachloroethane
Concen: 48.543 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:131 Resp: 93224

Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.0	144.0
119	63.9	32.3	96.9



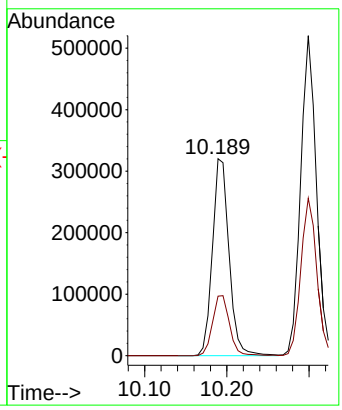


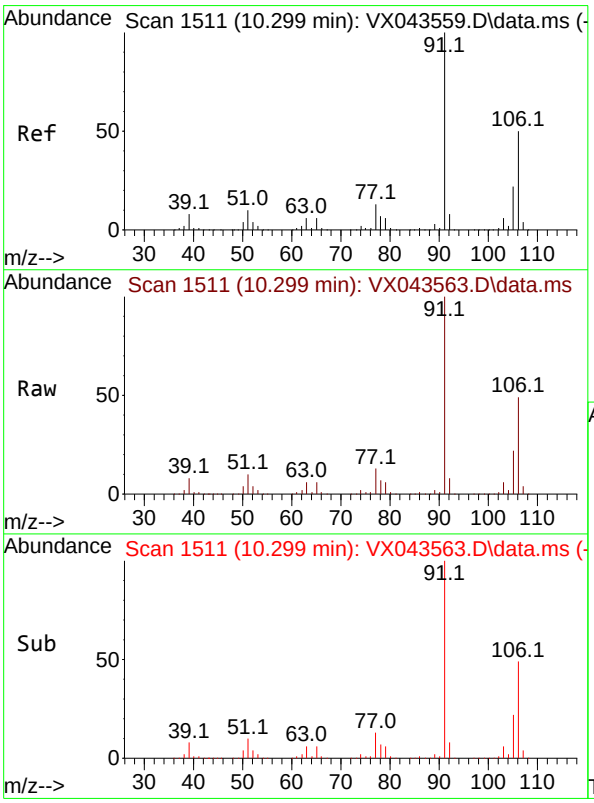
#67
Ethyl Benzene
Concen: 46.977 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 91 Resp: 450377

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.4	38.2

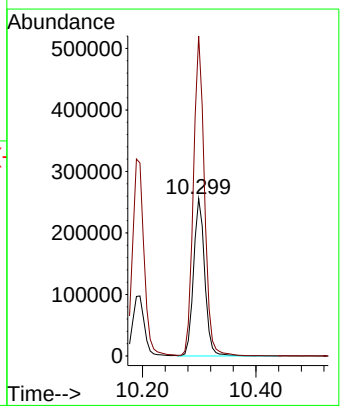


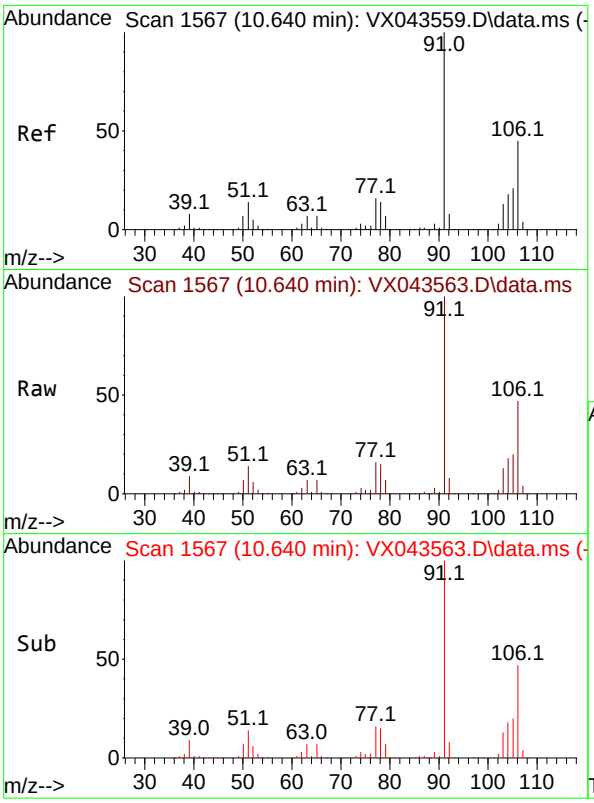


#68
m/p-Xylenes
Concen: 95.253 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:106 Resp: 349227

Ion	Ratio	Lower	Upper
106	100		
91	200.6	164.7	247.1



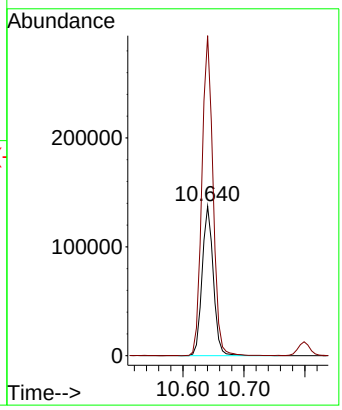


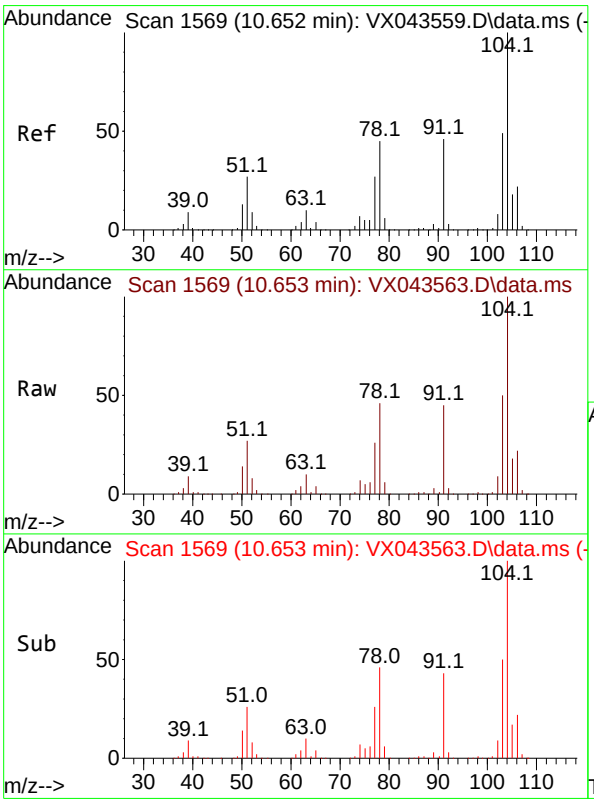
#69
o-Xylene
Concen: 47.523 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:106 Resp: 175059

Ion	Ratio	Lower	Upper
106	100		
91	213.6	107.9	323.7

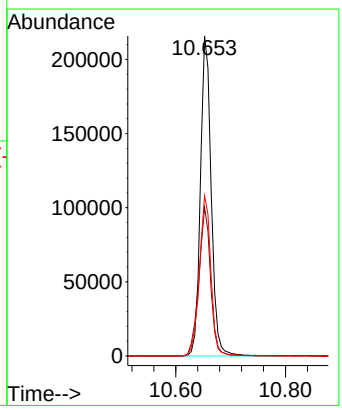


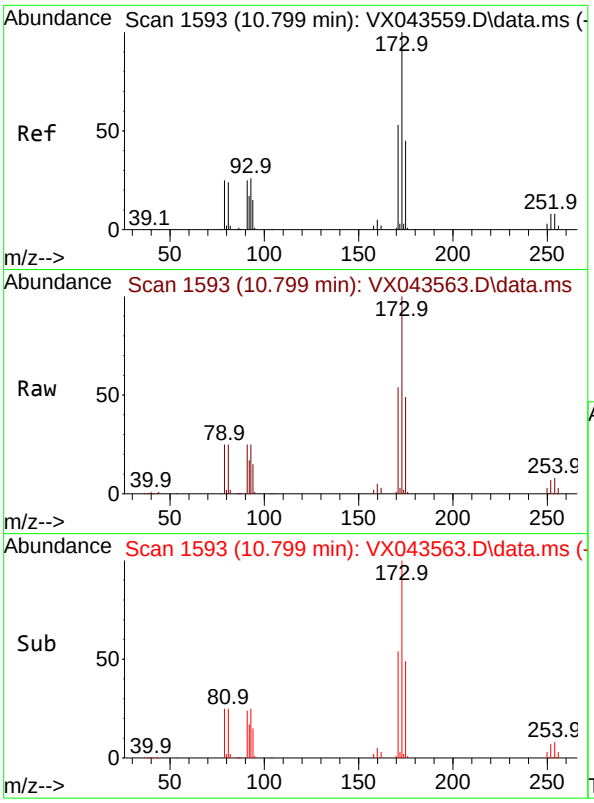


#70
Styrene
Concen: 48.130 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:104 Resp: 294680

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.0	60.0
103	53.6	43.4	65.0



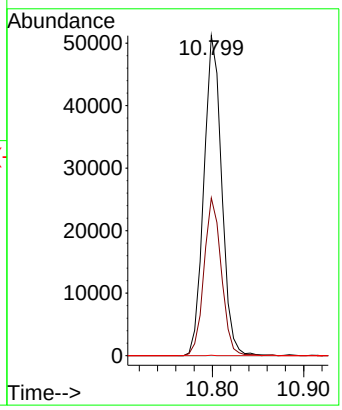


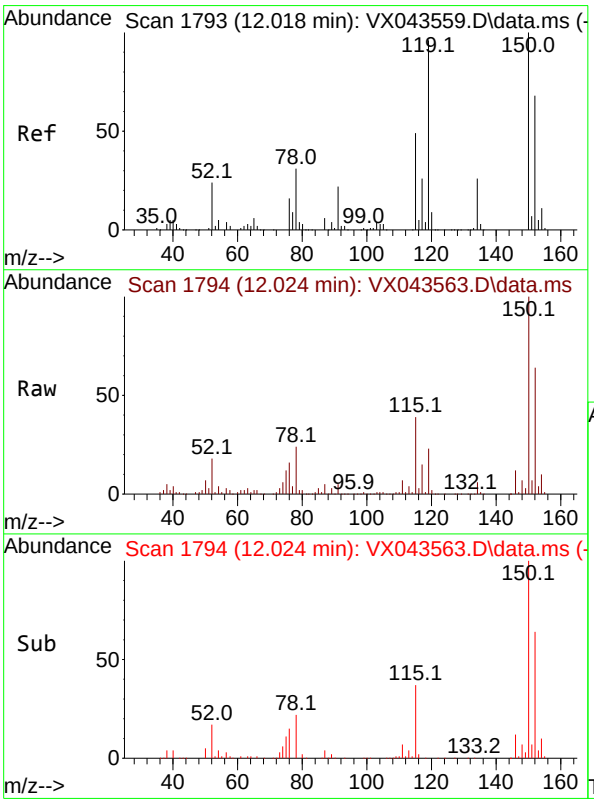
#71
Bromoform
Concen: 50.009 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:173 Resp: 69053

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.3	69.9
254	0.0	0.0	0.0#

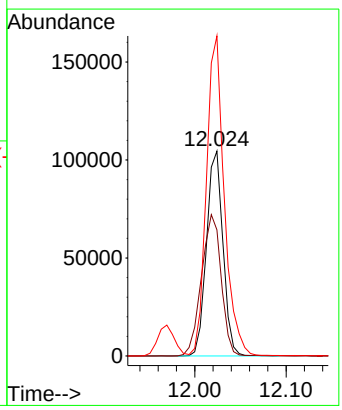


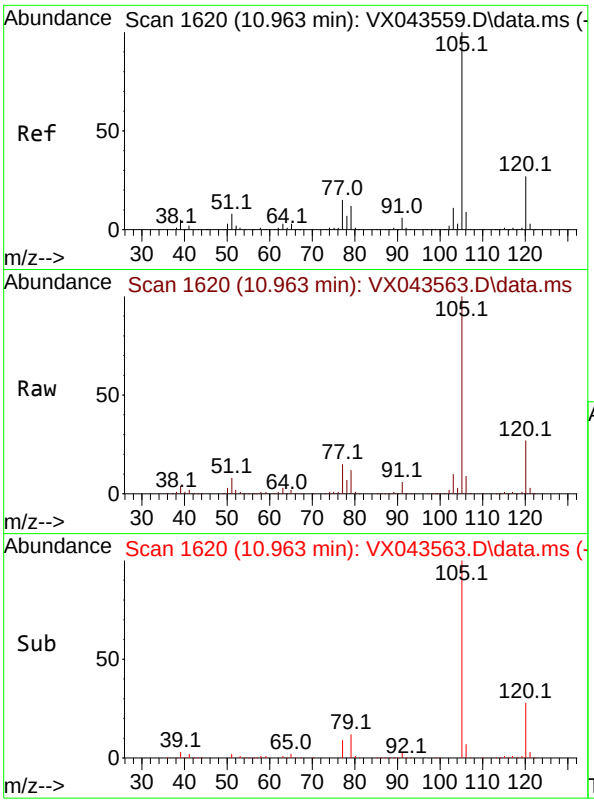


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:152 Resp: 130429

Ion	Ratio	Lower	Upper
152	100		
115	82.9	42.9	128.7
150	169.1	0.0	343.6



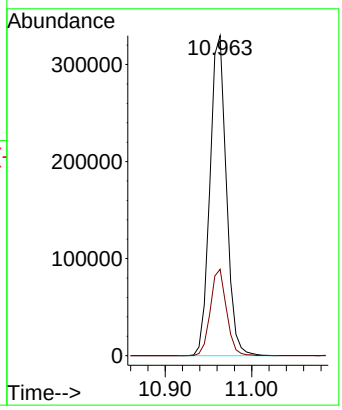


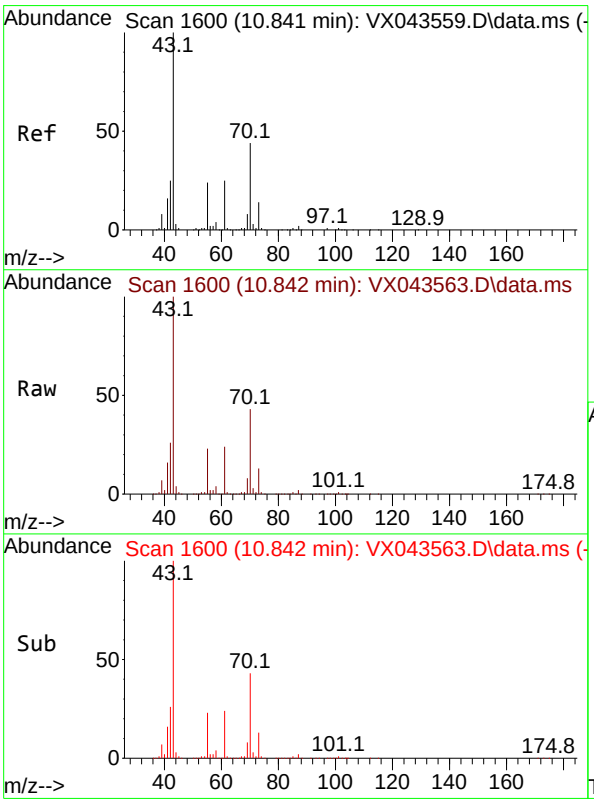
#73
Isopropylbenzene
Concen: 47.005 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:105 Resp: 434285

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

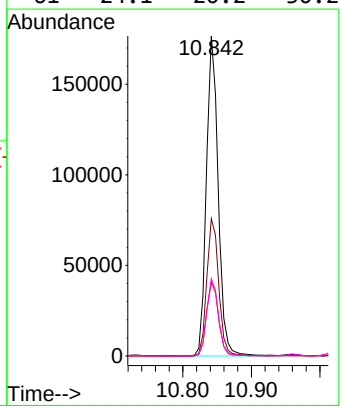


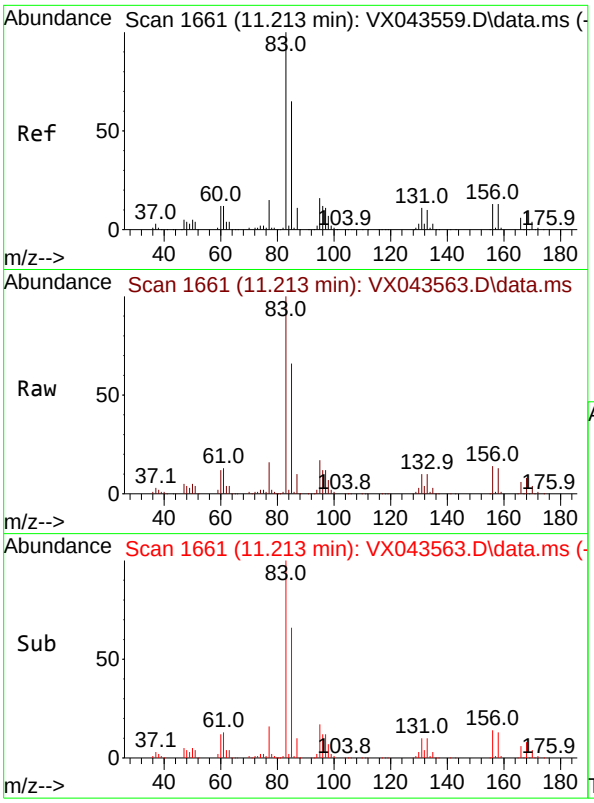


#74
N-amyl acetate
Concen: 47.145 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 43 Resp: 212192

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	52.0
55	23.5	19.6	29.4
61	24.1	20.2	30.2



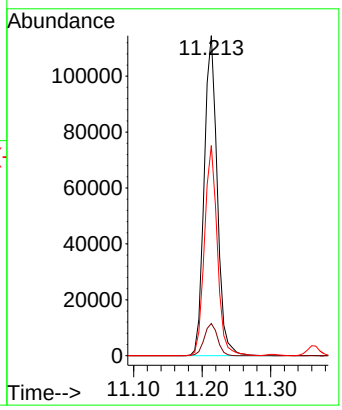


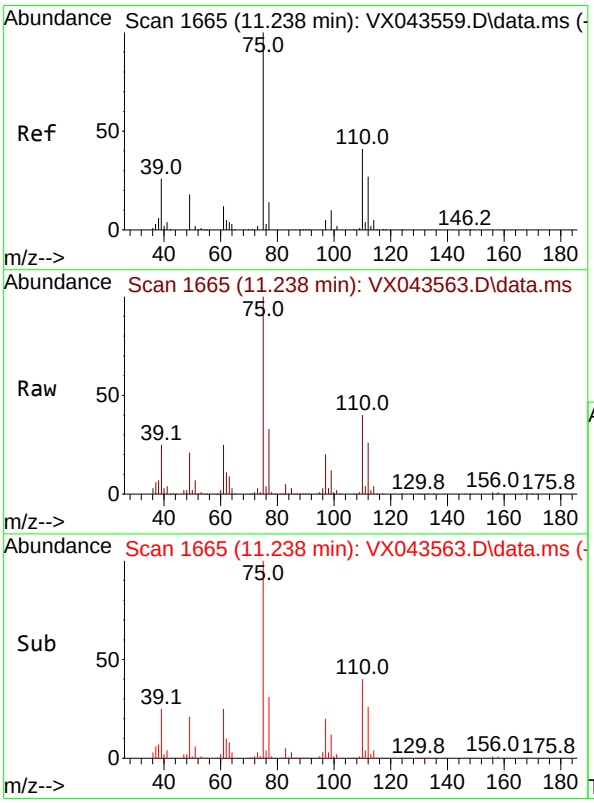
#75
1,1,2,2-Tetrachloroethane
Concen: 45.712 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 83 Resp: 151871

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.5	32.4	97.0

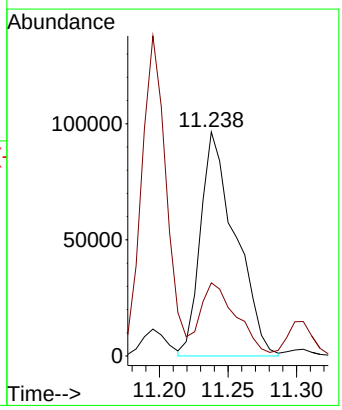


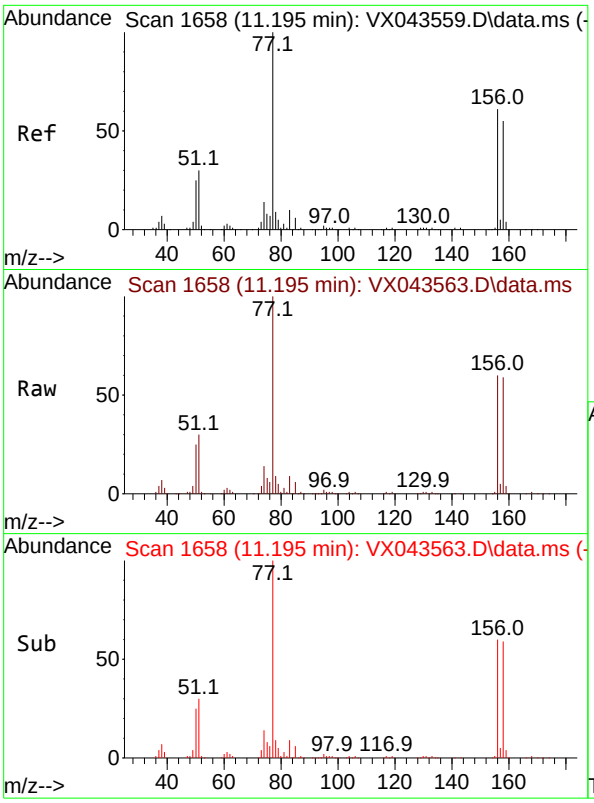


#76
1,2,3-Trichloropropane
Concen: 61.550 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 171648

Ion	Ratio	Lower	Upper
75	100		
77	33.7	22.4	67.2



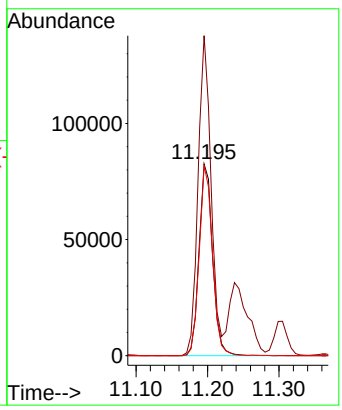


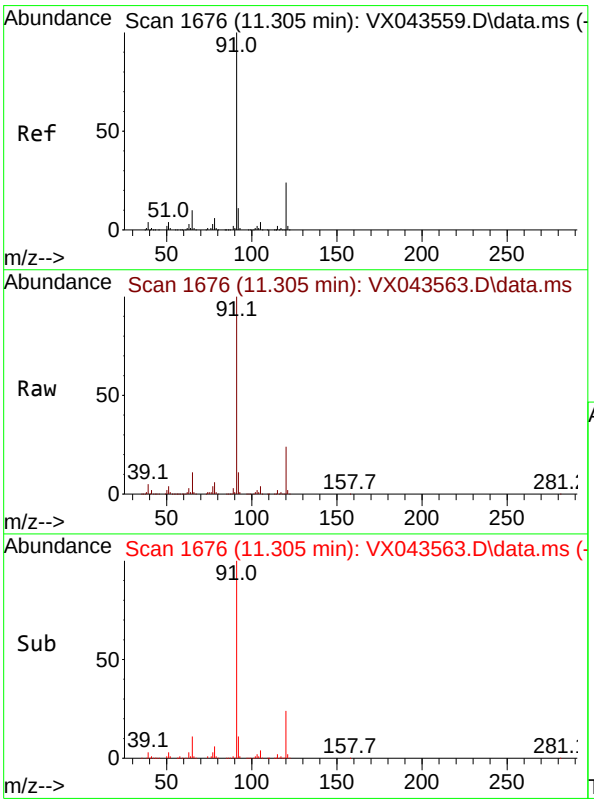
#77
Bromobenzene
Concen: 45.472 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:156 Resp: 108482

Ion	Ratio	Lower	Upper
156	100		
77	159.4	79.7	239.1
158	97.1	48.0	144.0

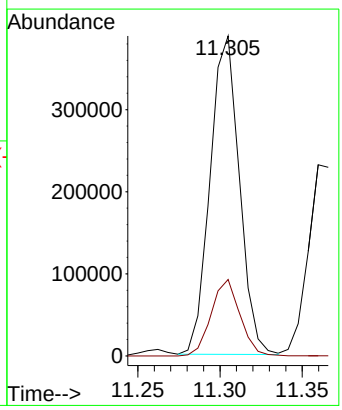


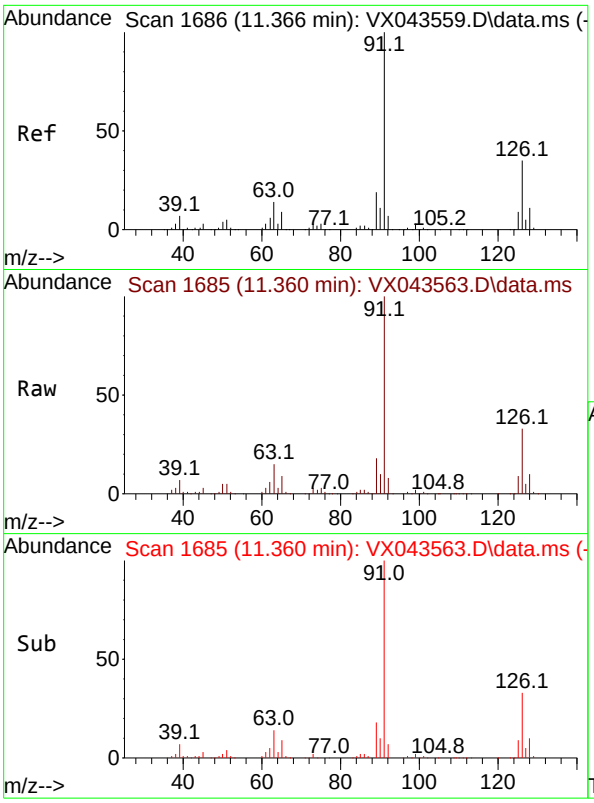


#78
n-propylbenzene
Concen: 47.669 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 480204

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.7



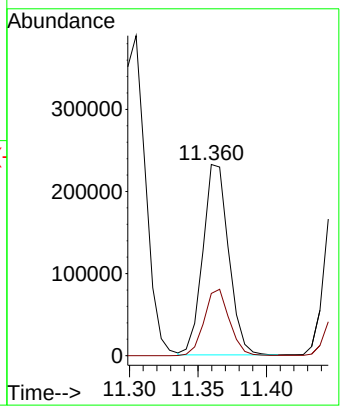


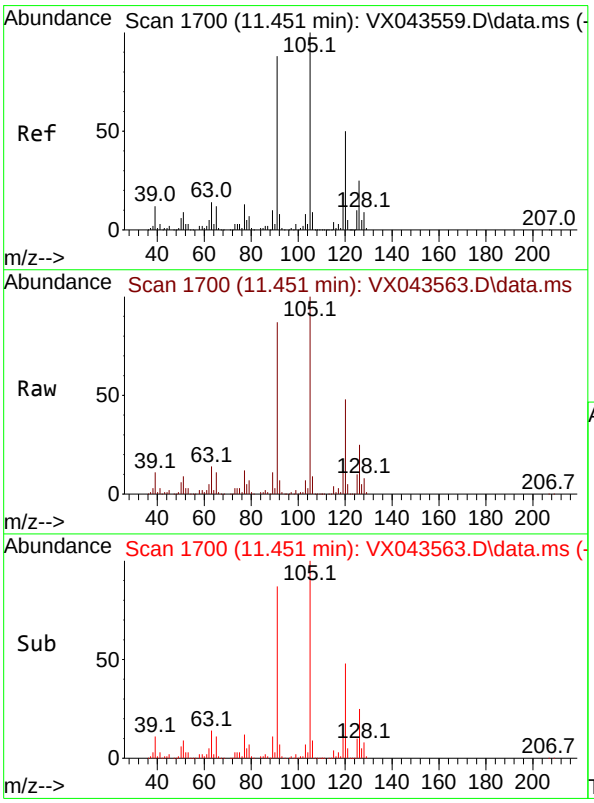
#79
2-Chlorotoluene
Concen: 45.500 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 91 Resp: 303930

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.7	50.0

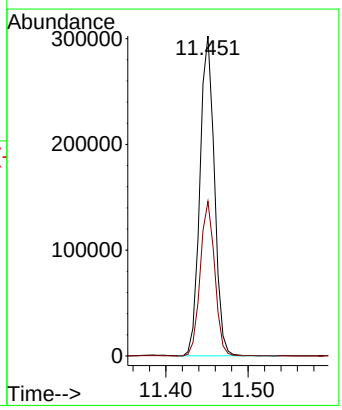


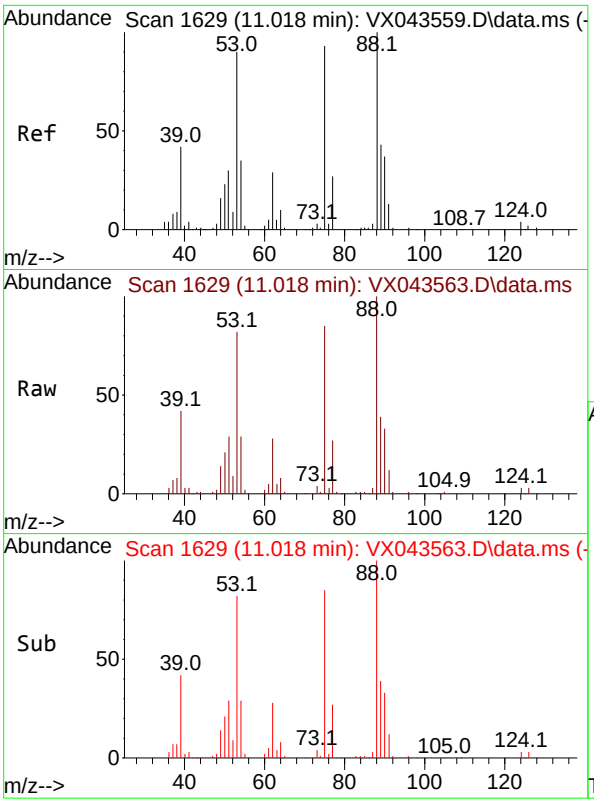


#80
1,3,5-Trimethylbenzene
Concen: 48.003 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:105 Resp: 369790

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.8	71.5



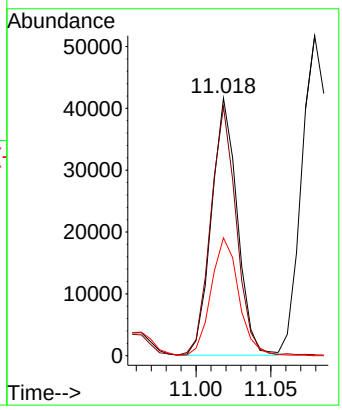


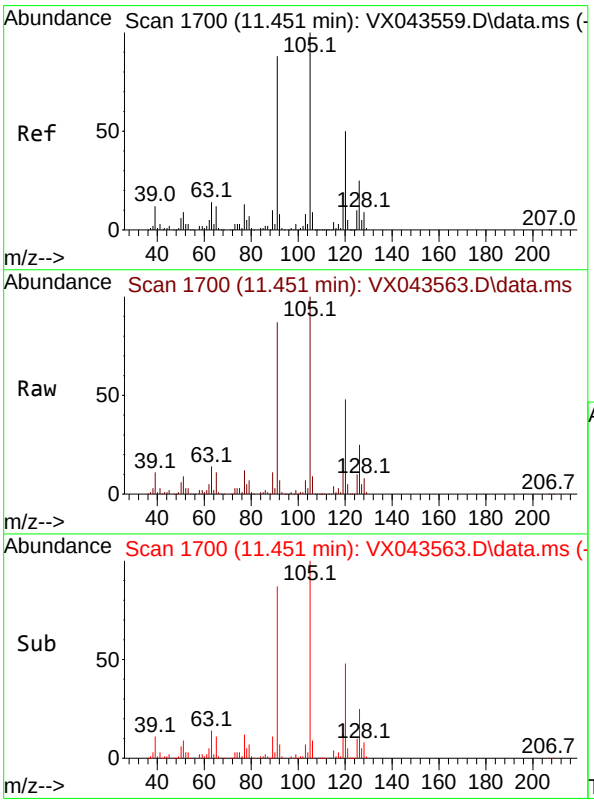
#81
trans-1,4-Dichloro-2-butene
Concen: 49.126 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 75 Resp: 49799

Ion	Ratio	Lower	Upper
75	100		
53	97.3	84.6	126.8
89	49.2	38.6	58.0

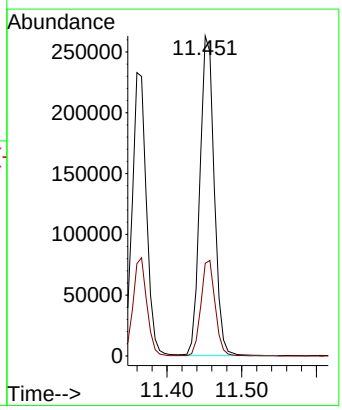


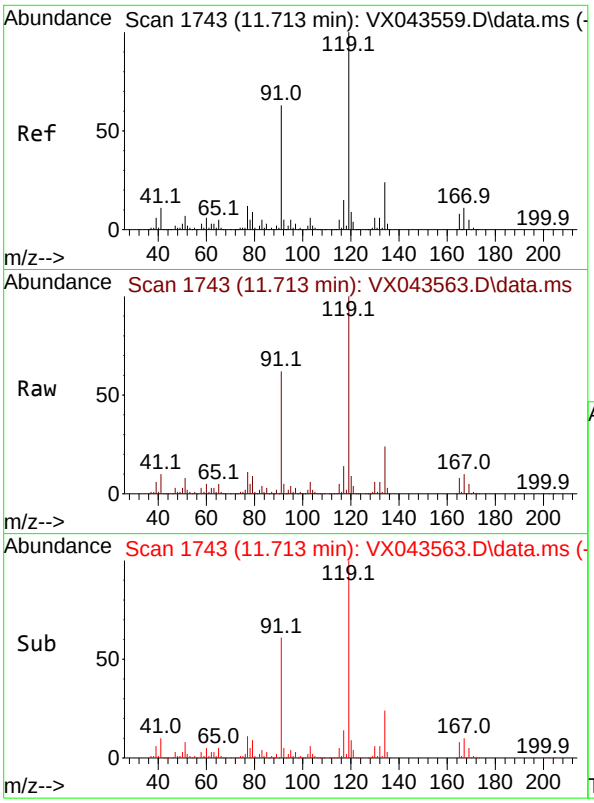


#82
4-Chlorotoluene
Concen: 46.508 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 91 Resp: 348692

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.2	42.8



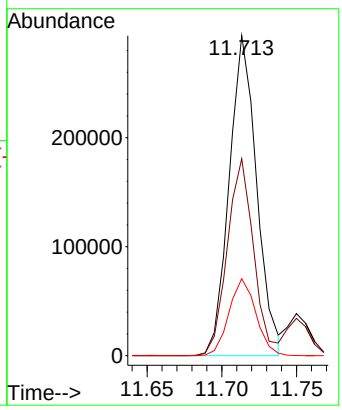


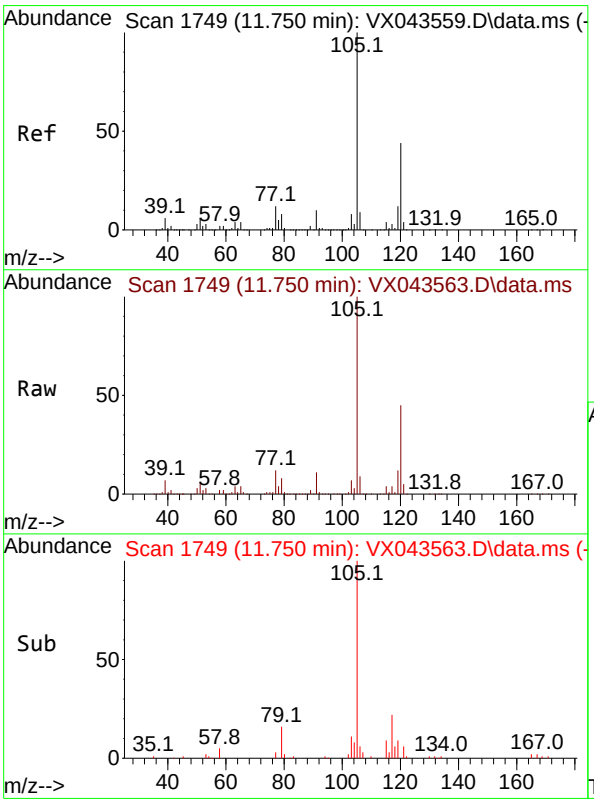
#83
tert-Butylbenzene
Concen: 47.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:119 Resp: 375497

Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.5	88.5
134	23.6	11.8	35.3

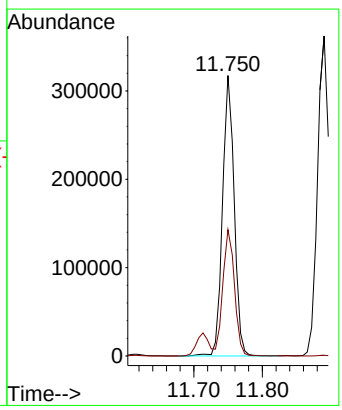


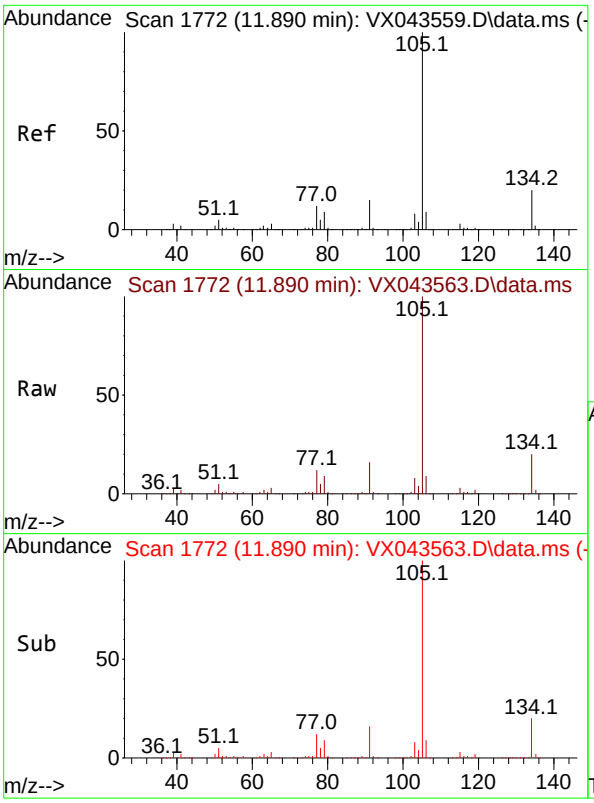


#84
1,2,4-Trimethylbenzene
Concen: 47.450 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:105 Resp: 372516

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1



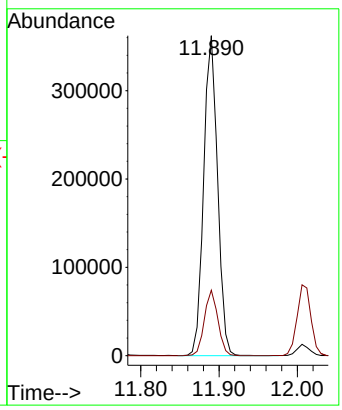


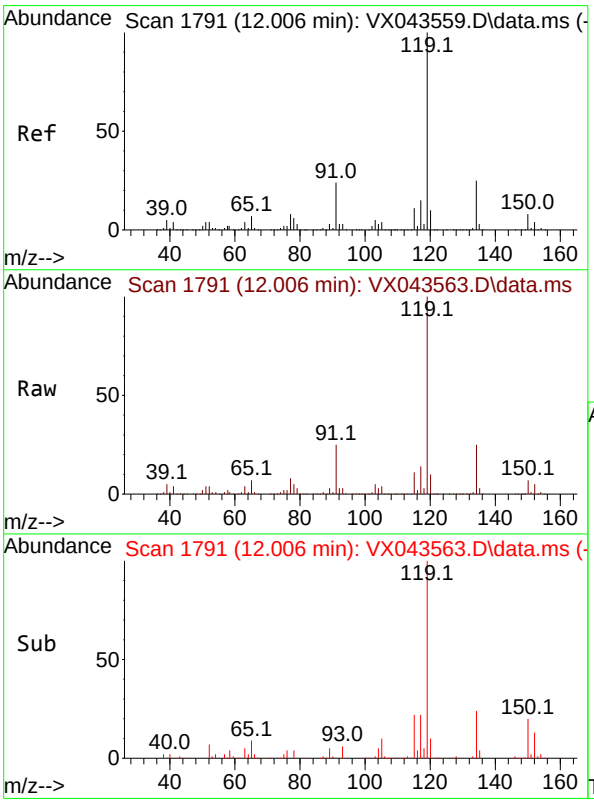
#85
sec-Butylbenzene
Concen: 48.384 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:105 Resp: 444311

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

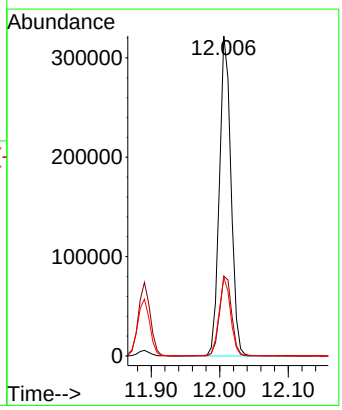


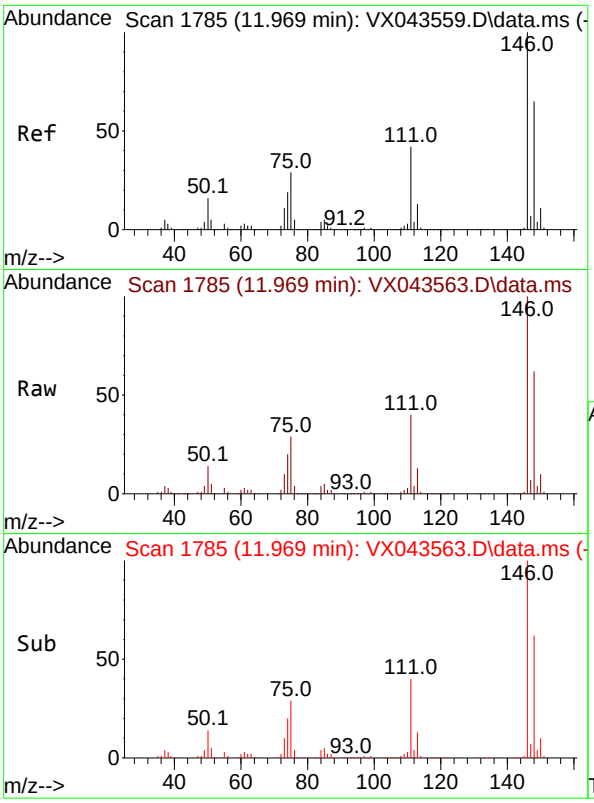


#86
p-Isopropyltoluene
Concen: 48.310 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:119 Resp: 377100

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	24.3	12.4	37.0



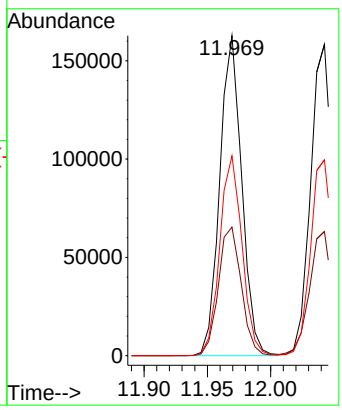


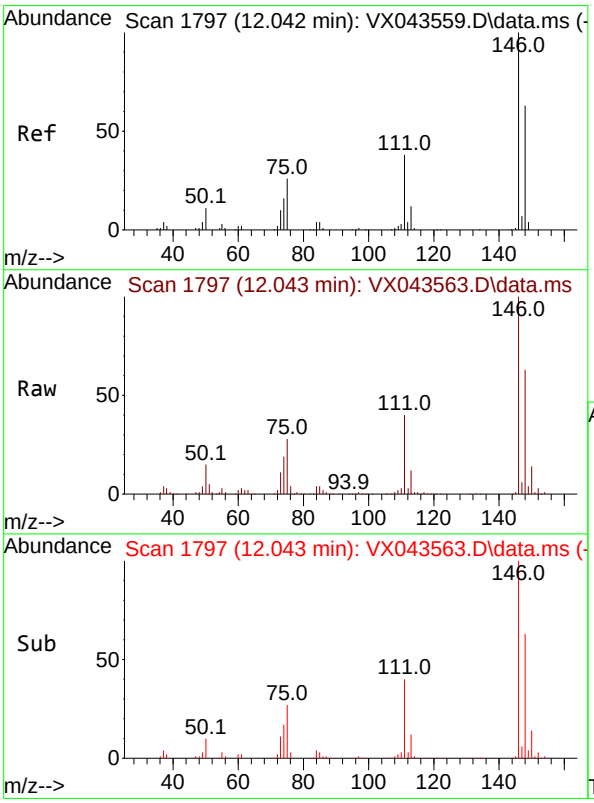
#87
1,3-Dichlorobenzene
Concen: 45.977 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:146 Resp: 196597

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	63.3	31.6	94.8

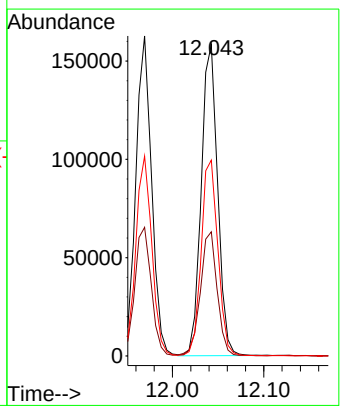


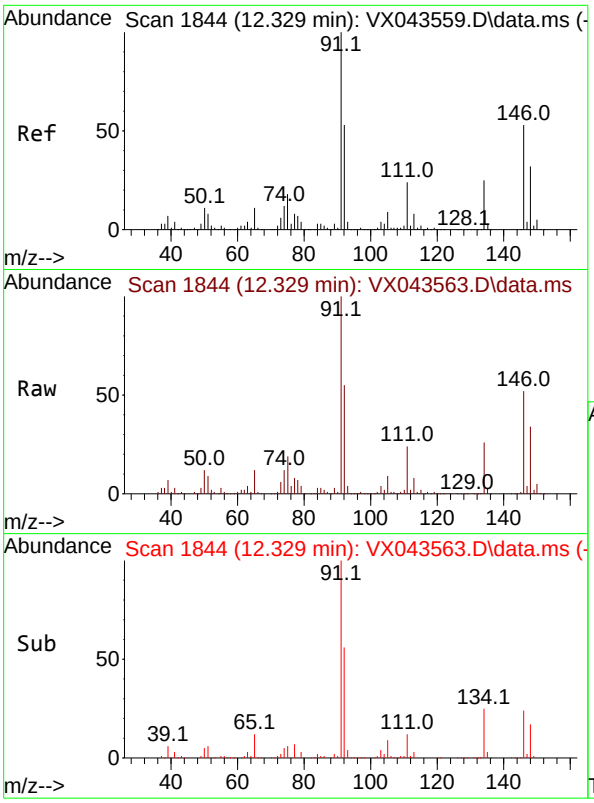


#88
1,4-Dichlorobenzene
Concen: 44.556 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:146 Resp: 197418

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	64.1	31.9	95.9



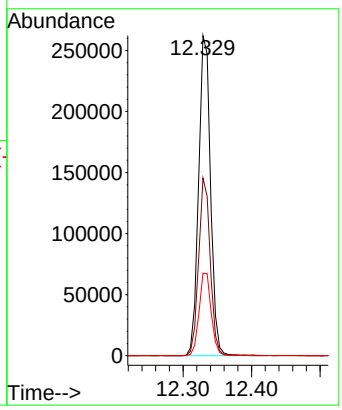


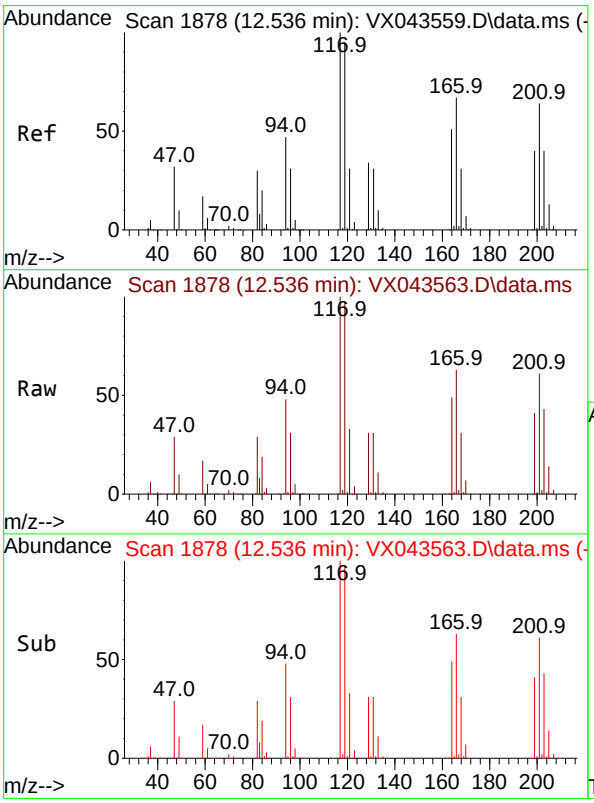
#89
n-Butylbenzene
Concen: 49.987 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion: 91 Resp: 317946

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	26.3	12.9	38.6

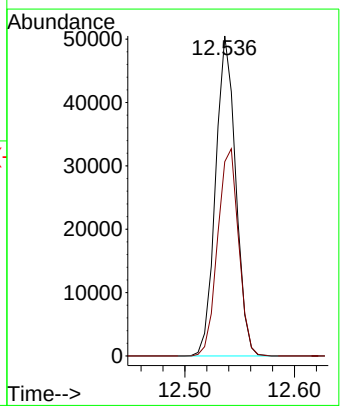


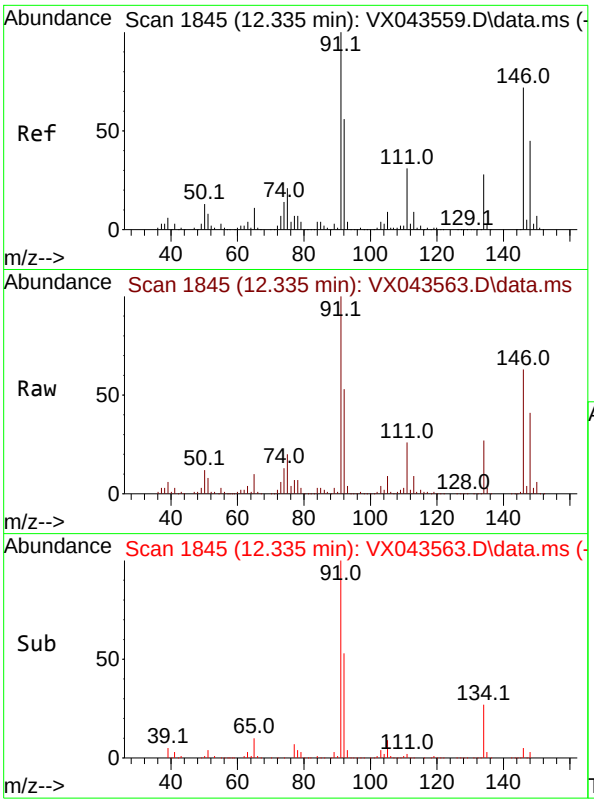


#90
Hexachloroethane
Concen: 50.825 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:117 Resp: 64443

Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.9	98.7



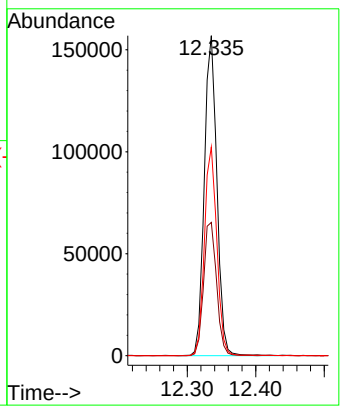


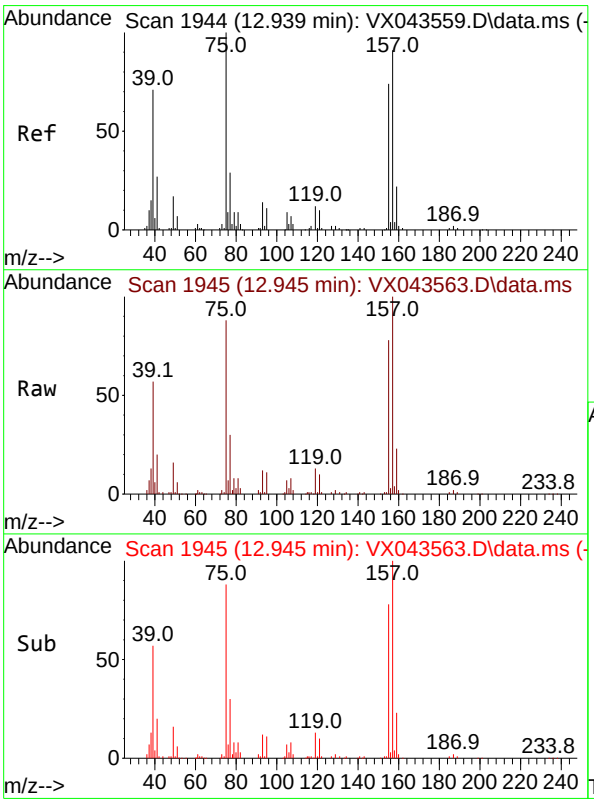
#91
1,2-Dichlorobenzene
Concen: 45.901 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:146 Resp: 200702

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	64.2	31.6	95.0

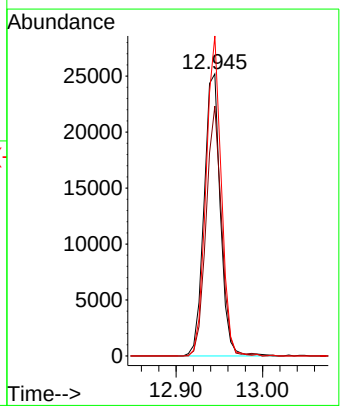


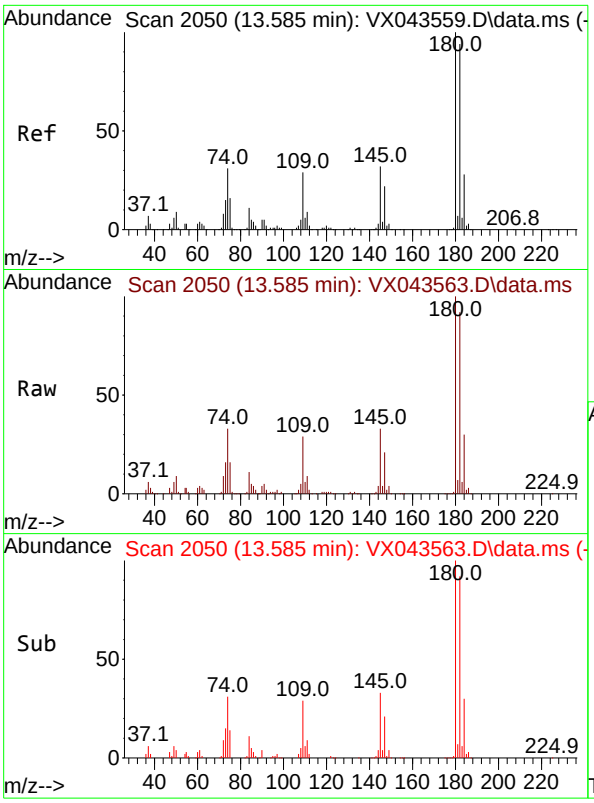


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.652 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion: 75 Resp: 32952

Ion	Ratio	Lower	Upper
75	100		
155	84.0	40.1	120.3
157	106.3	50.8	152.4



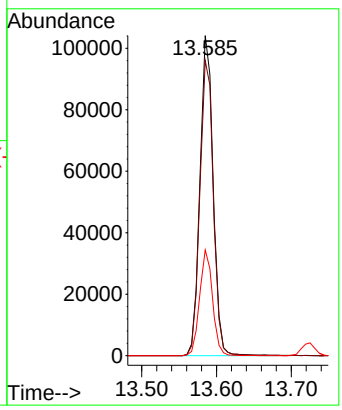


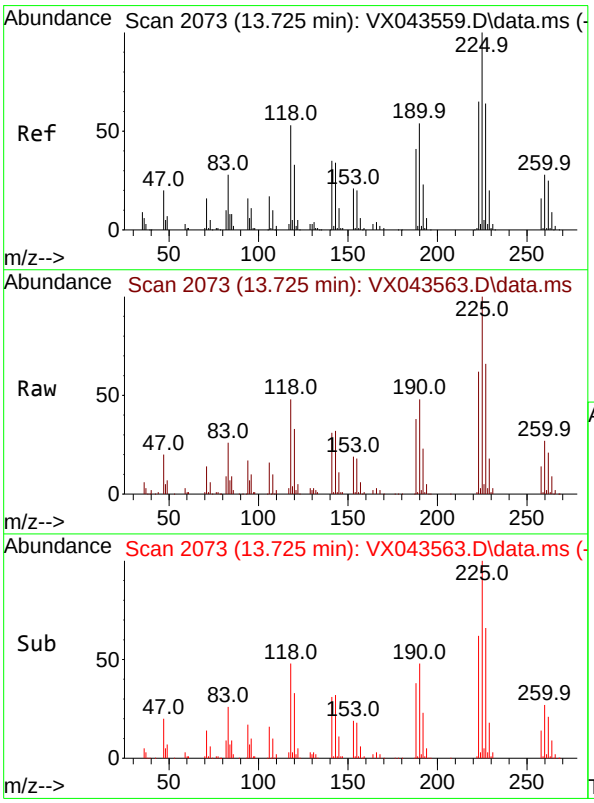
#93
1,2,4-Trichlorobenzene
Concen: 48.149 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:180 Resp: 127790

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.8	140.4
145	32.2	16.1	48.3

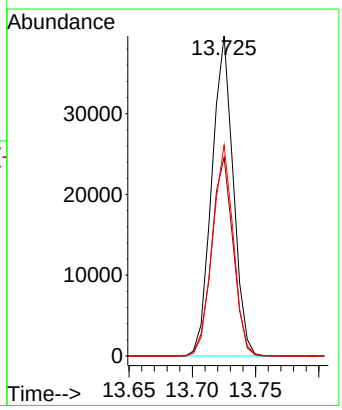


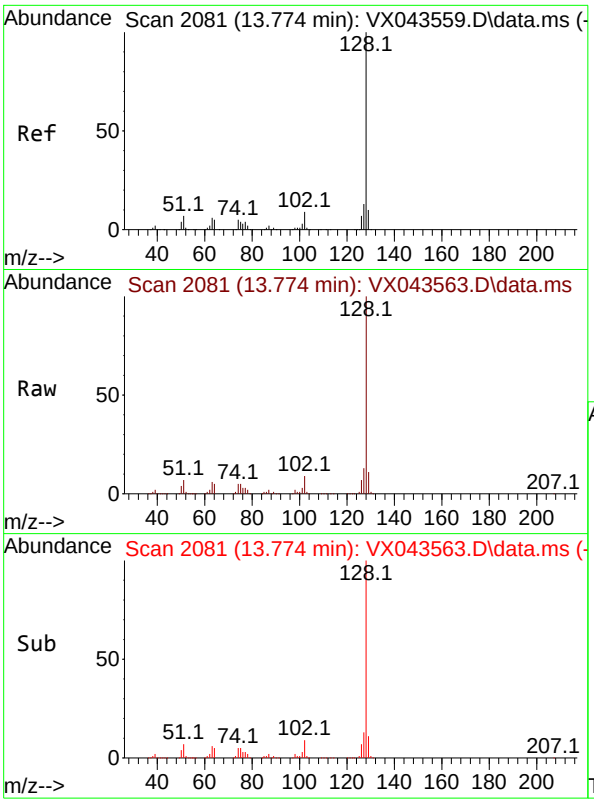


#94
Hexachlorobutadiene
Concen: 47.558 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:225 Resp: 46538

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	64.5	31.6	94.8



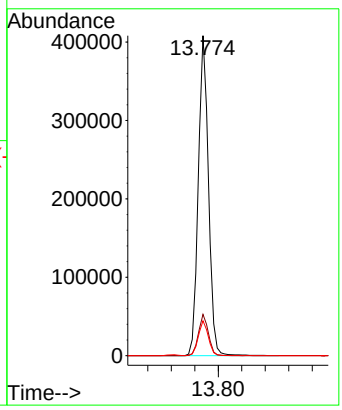


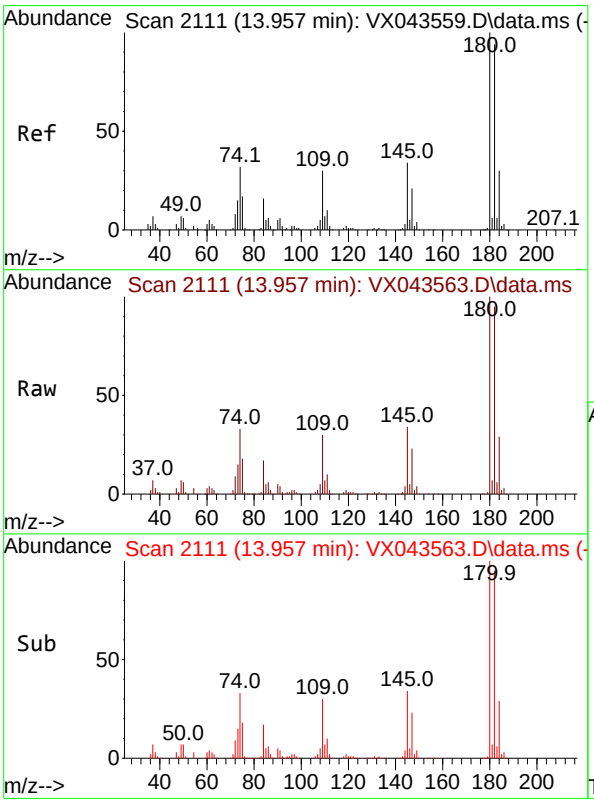
#95
Naphthalene
Concen: 48.409 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Tgt Ion:128 Resp: 491660

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.7	13.1

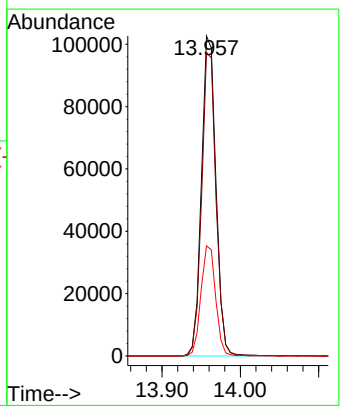




#96
1,2,3-Trichlorobenzene
Concen: 47.022 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043563.D
Acq: 28 Oct 2024 14:27

Tgt Ion:180 Resp: 131581

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	34.9	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	185040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	317661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	136145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130985	44.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.780%			
35) Dibromofluoromethane	5.373	113	109730	50.941	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	400238	53.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.360%			
62) 4-Bromofluorobenzene	11.079	95	149677	54.171	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	96192	48.609	ug/l	98
3) Chloromethane	1.294	50	110441	43.659	ug/l	99
4) Vinyl Chloride	1.374	62	113522	48.354	ug/l	98
5) Bromomethane	1.593	94	43728	45.689	ug/l	98
6) Chloroethane	1.666	64	38745	46.843	ug/l	96
7) Trichlorofluoromethane	1.861	101	140504	48.990	ug/l	100
8) Diethyl Ether	2.136	74	59968	45.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	100354	51.739	ug/l	97
10) Methyl Iodide	2.440	142	135379	48.310	ug/l	98
11) Tert butyl alcohol	3.014	59	122889	223.146	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	99213	50.054	ug/l	95
13) Acrolein	2.239	56	93394	216.855	ug/l	97
14) Allyl chloride	2.654	41	163297	47.632	ug/l	96
15) Acrylonitrile	3.062	53	262619	211.215	ug/l	100
16) Acetone	2.386	43	274914	234.636	ug/l	97
17) Carbon Disulfide	2.495	76	212014	51.153	ug/l	99
18) Methyl Acetate	2.703	43	136121	39.751	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	335598	44.520	ug/l	97
20) Methylene Chloride	2.782	84	111138	44.012	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	102634	49.012	ug/l	98
22) Diisopropyl ether	3.757	45	321130	45.317	ug/l	98
23) Vinyl Acetate	3.715	43	1362160	232.674	ug/l	99
24) 1,1-Dichloroethane	3.599	63	190272	46.716	ug/l	99
25) 2-Butanone	4.556	43	373244	218.384	ug/l	99
26) 2,2-Dichloropropane	4.464	77	170610	51.174	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	127185	47.546	ug/l	100
28) Bromochloromethane	4.891	49	85552	44.155	ug/l	99
29) Tetrahydrofuran	5.001	42	226140	203.602	ug/l	98
30) Chloroform	5.086	83	197102	46.165	ug/l	99
31) Cyclohexane	5.458	56	160445	51.504	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	175486	48.957	ug/l	99
36) 1,1-Dichloropropene	5.684	75	132757	51.976	ug/l	98
37) Ethyl Acetate	4.708	43	138087	44.531	ug/l	98
38) Carbon Tetrachloride	5.665	117	148021	52.449	ug/l	98
39) Methylcyclohexane	7.372	83	182236	57.467	ug/l	97
40) Benzene	6.025	78	423307	49.678	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	78897	48.472	ug/l		98
42) 1,2-Dichloroethane	6.080	62	143431	46.823	ug/l		99
43) Isopropyl Acetate	6.336	43	234002	45.631	ug/l		98
44) Trichloroethene	7.116	130	111507	52.676	ug/l		91
45) 1,2-Dichloropropane	7.427	63	103879	49.511	ug/l		100
46) Dibromomethane	7.574	93	77712	48.105	ug/l		98
47) Bromodichloromethane	7.818	83	146531	51.705	ug/l		97
48) Methyl methacrylate	7.689	41	113890	46.843	ug/l		97
49) 1,4-Dioxane	7.665	88	40086	802.493	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	716488	229.232	ug/l		99
52) Toluene	8.714	92	271357	52.511	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	155688	51.148	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	170511	52.575	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	104415	48.542	ug/l		99
56) Ethyl methacrylate	9.116	69	171964	49.201	ug/l		96
57) 1,3-Dichloropropane	9.305	76	176717	49.396	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	369838	218.483	ug/l		97
59) 2-Hexanone	9.433	43	559686	235.767	ug/l		98
60) Dibromochloromethane	9.518	129	113810	53.432	ug/l		100
61) 1,2-Dibromoethane	9.604	107	109821	49.183	ug/l		97
64) Tetrachloroethene	9.268	164	92204	52.901	ug/l		98
65) Chlorobenzene	10.079	112	302575	50.750	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	103710	53.255	ug/l		99
67) Ethyl Benzene	10.189	91	515530	53.028	ug/l		99
68) m/p-Xylenes	10.299	106	401855	108.089	ug/l		97
69) o-Xylene	10.640	106	196198	52.523	ug/l		99
70) Styrene	10.652	104	336072	54.130	ug/l		99
71) Bromoform	10.799	173	73381	52.407	ug/l	#	98
73) Isopropylbenzene	10.963	105	507198	52.592	ug/l		99
74) N-amyl acetate	10.841	43	216499	46.083	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	160157	46.182	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	179909	61.804	ug/l		81
77) Bromobenzene	11.195	156	126219	50.686	ug/l		98
78) n-propylbenzene	11.305	91	571565	54.356	ug/l		100
79) 2-Chlorotoluene	11.360	91	350419	50.257	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	427235	53.132	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	52521	49.635	ug/l		94
82) 4-Chlorotoluene	11.451	91	399821	51.088	ug/l		97
83) tert-Butylbenzene	11.713	119	436382	53.361	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	437441	53.380	ug/l		99
85) sec-Butylbenzene	11.890	105	528903	55.177	ug/l		99
86) p-Isopropyltoluene	12.006	119	451954	55.469	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	232425	52.073	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	230728	49.888	ug/l		99
89) n-Butylbenzene	12.329	91	387771	58.406	ug/l		99
90) Hexachloroethane	12.536	117	75311	56.903	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	231234	50.664	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31951	45.194	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	148966	53.771	ug/l		97
94) Hexachlorobutadiene	13.725	225	58808	57.574	ug/l		99
95) Naphthalene	13.774	128	532111	50.193	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	152724	52.286	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

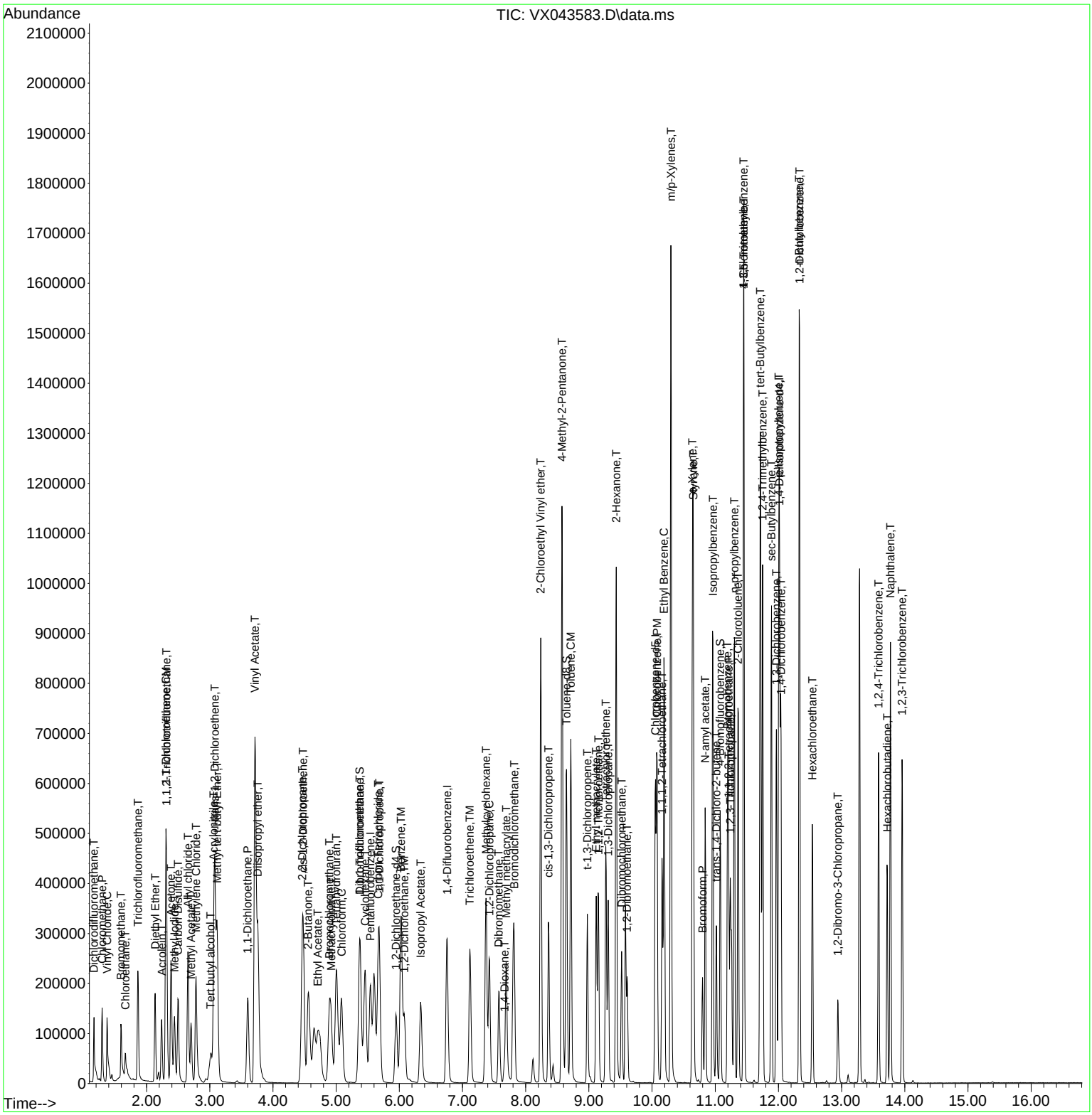
(#) = qualifier out of range (m) = manual integration (+) = signals summed

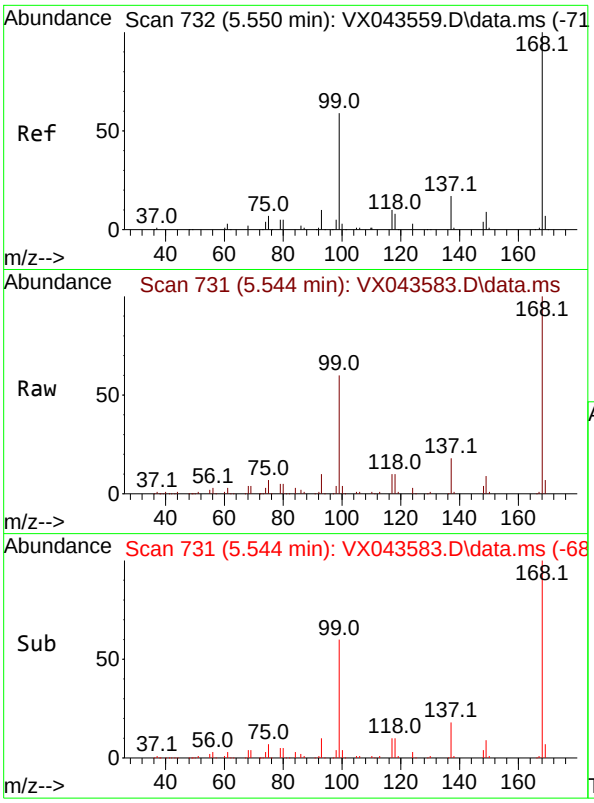
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



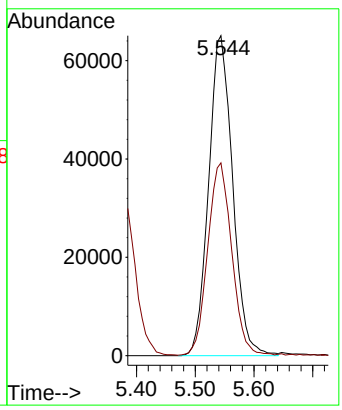


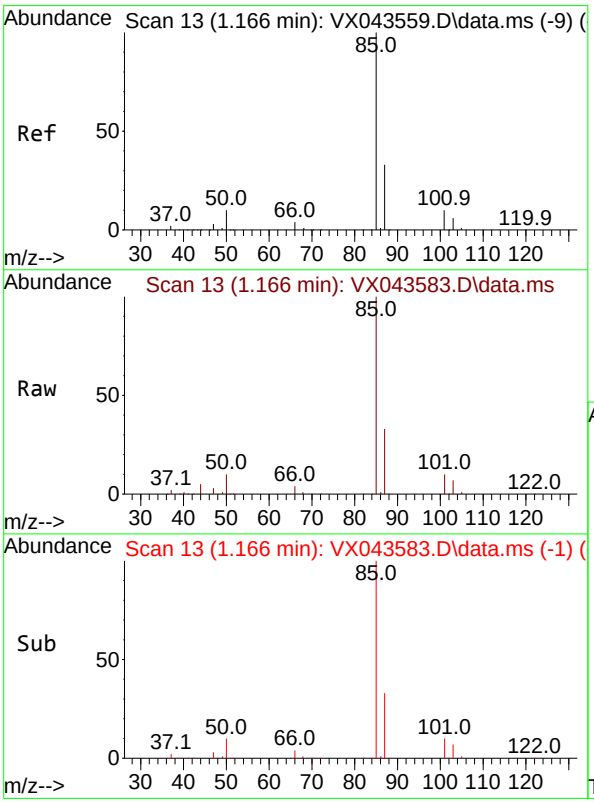
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 185040

Ion	Ratio	Lower	Upper
168	100		
99	60.1	52.6	78.8

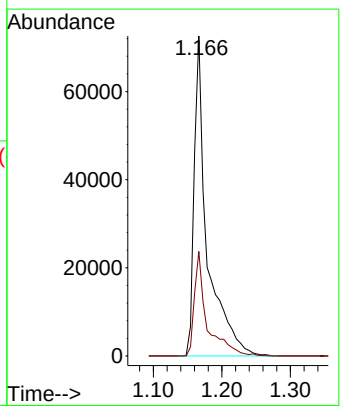


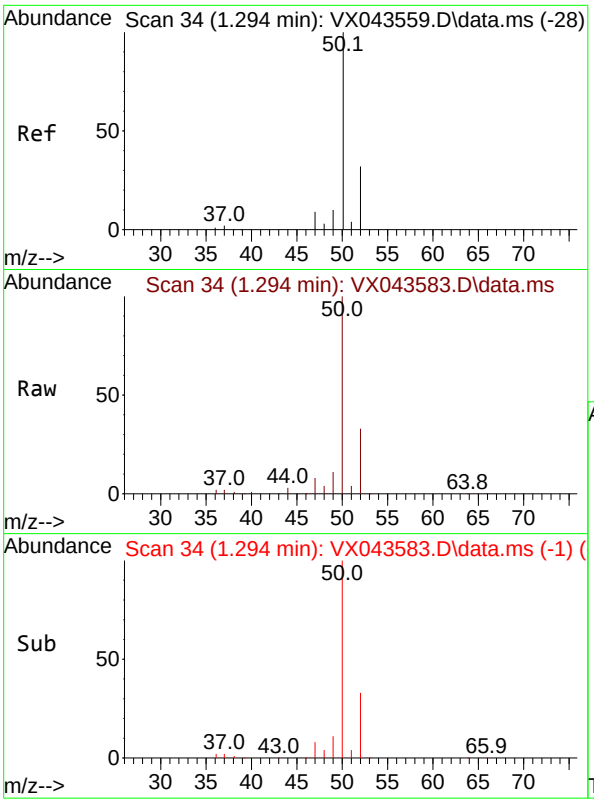


#2
Dichlorodifluoromethane
Concen: 48.609 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 85 Resp: 96192

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.0



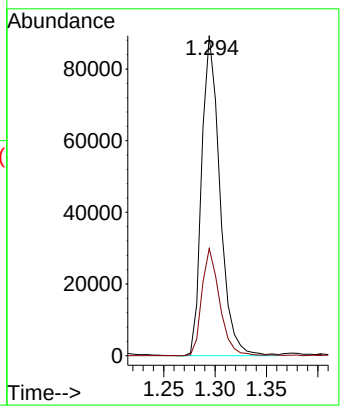


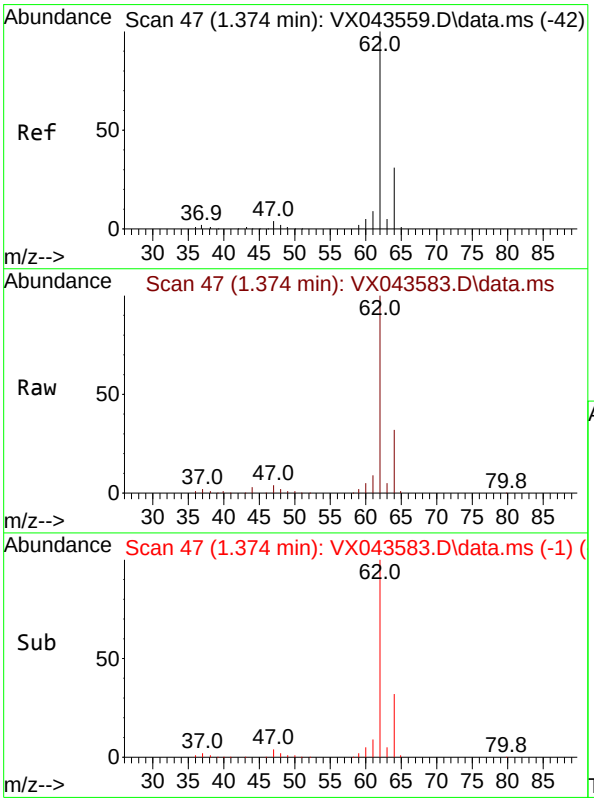
#3
Chloromethane
Concen: 43.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 110441

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.3	39.5

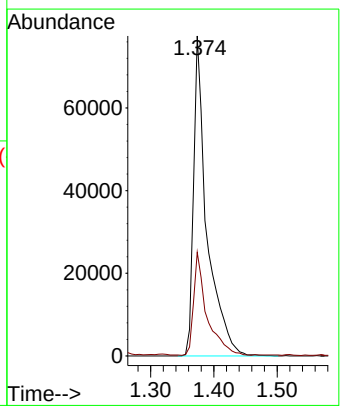


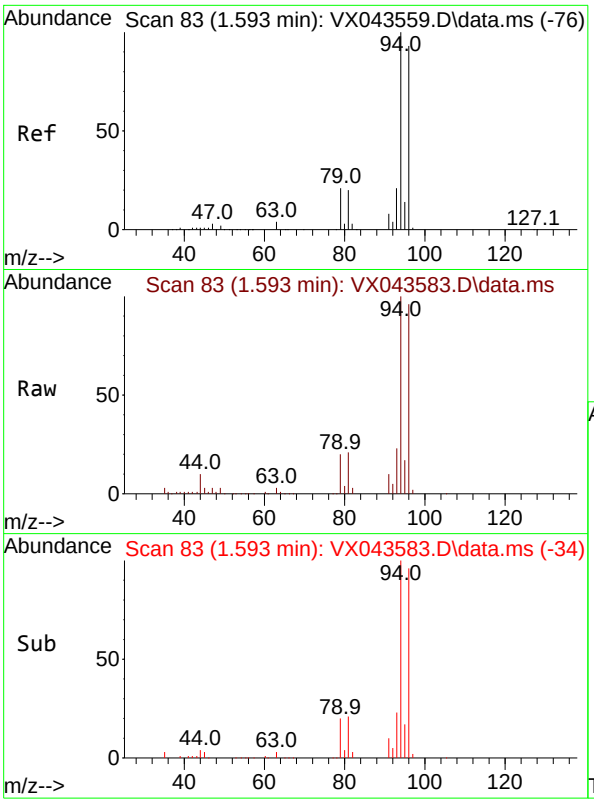


#4
Vinyl Chloride
Concen: 48.354 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 62 Resp: 113522

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.0	37.4



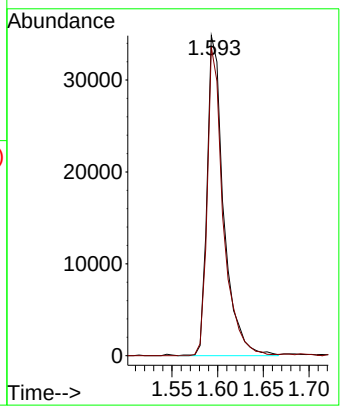


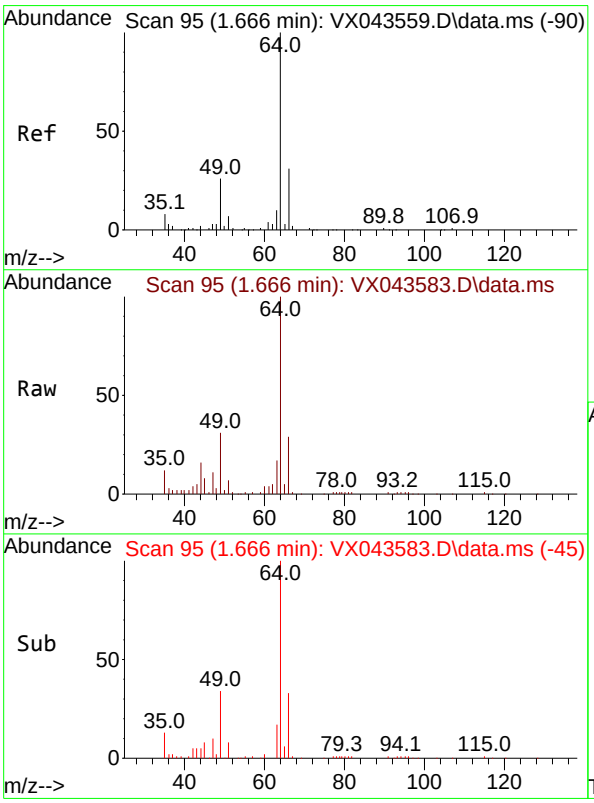
#5
Bromomethane
Concen: 45.689 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 43728

Ion	Ratio	Lower	Upper
94	100		
96	96.4	75.9	113.9

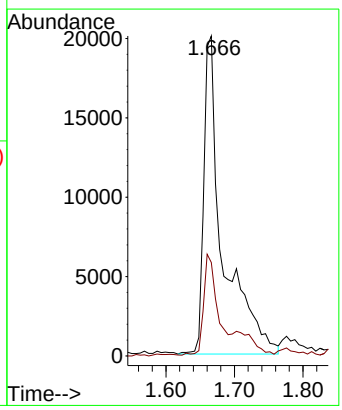


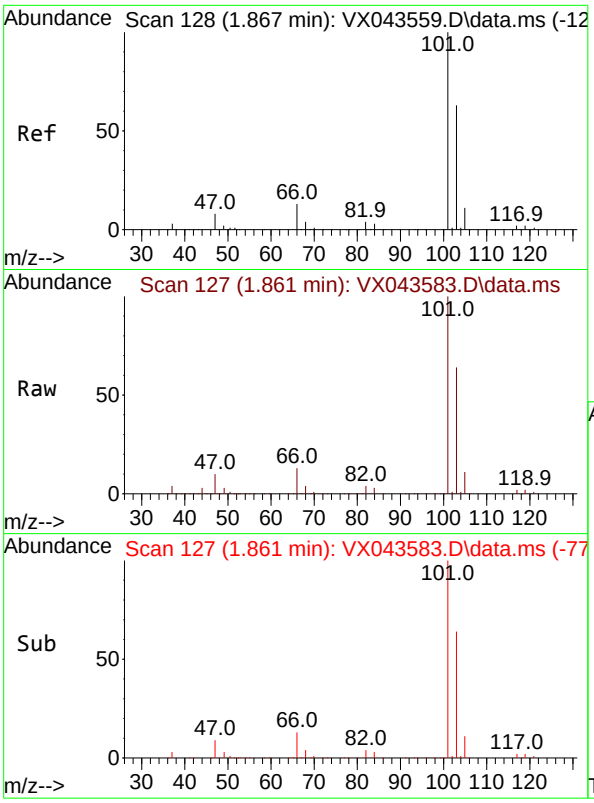


#6
Chloroethane
Concen: 46.843 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 64 Resp: 38745

Ion	Ratio	Lower	Upper
64	100		
66	29.1	25.1	37.7



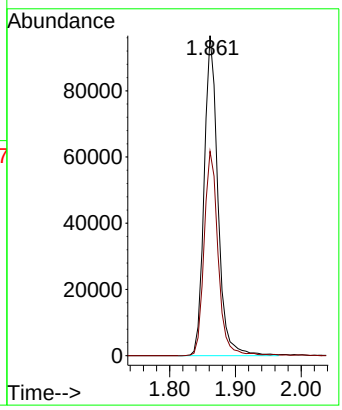


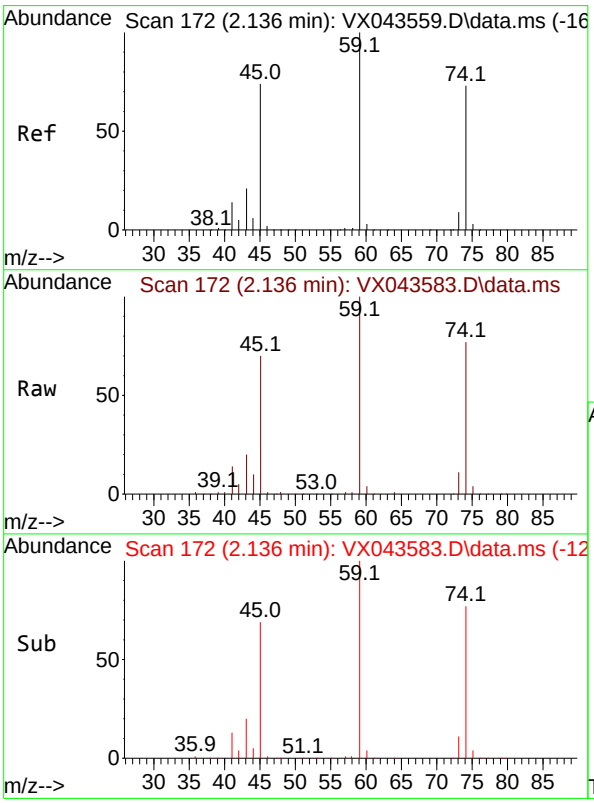
#7
Trichlorofluoromethane
Concen: 48.990 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 140504

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9

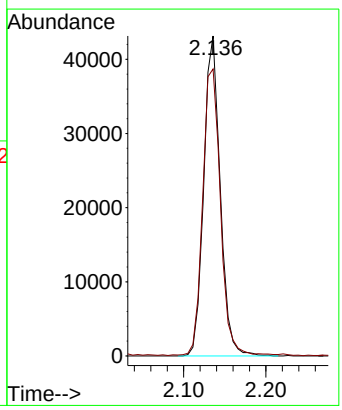


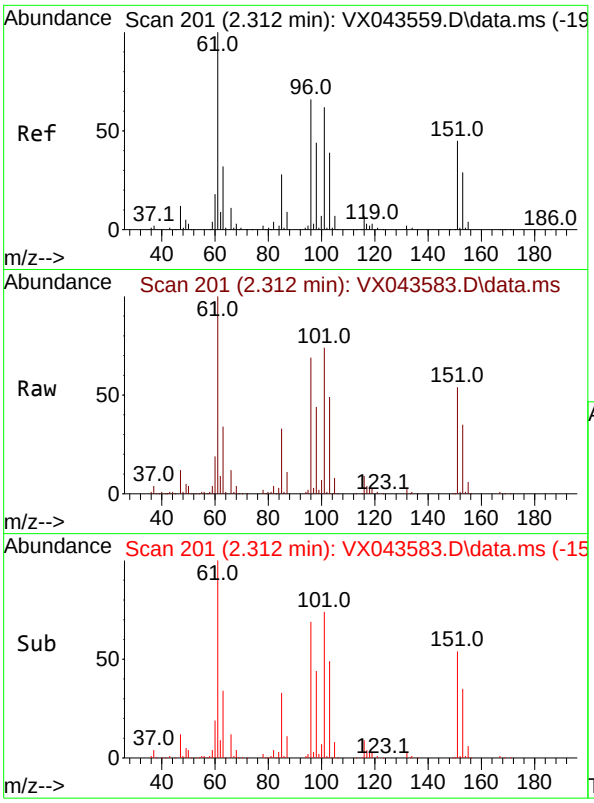


#8
Diethyl Ether
Concen: 45.254 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 74 Resp: 59968

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.5	142.5



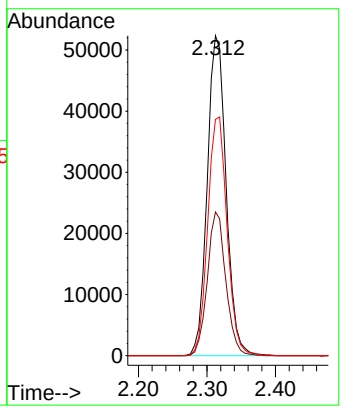


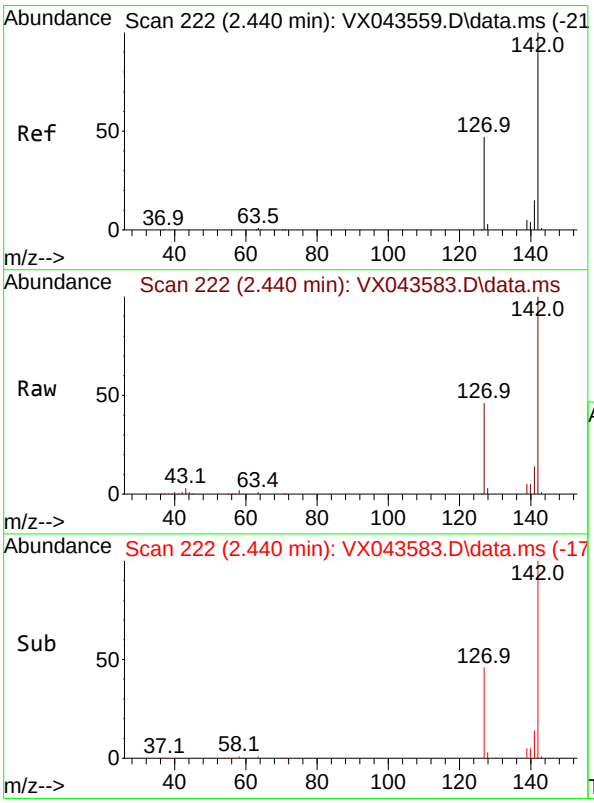
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.739 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 100354

Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.5	51.7
151	76.5	58.2	87.2

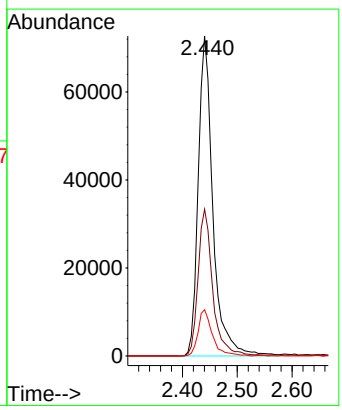


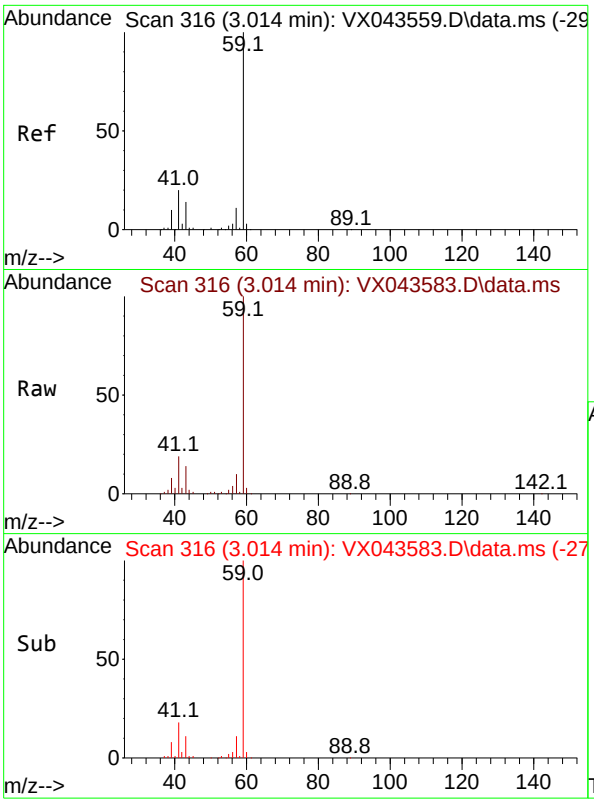


#10
Methyl Iodide
Concen: 48.310 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:142 Resp: 135379

Ion	Ratio	Lower	Upper
142	100		
127	45.8	38.2	57.4
141	14.1	11.5	17.3



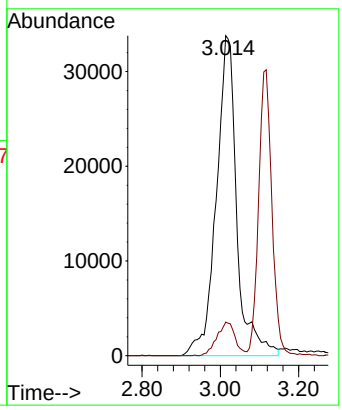


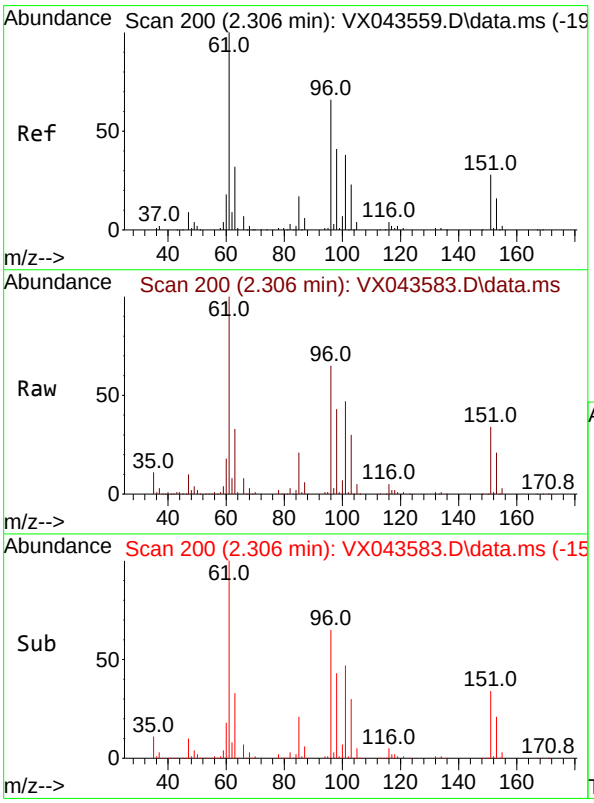
#11
Tert butyl alcohol
Concen: 223.146 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.036 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 122889

Ion	Ratio	Lower	Upper
59	100		
57	9.4	0.0	0.0#

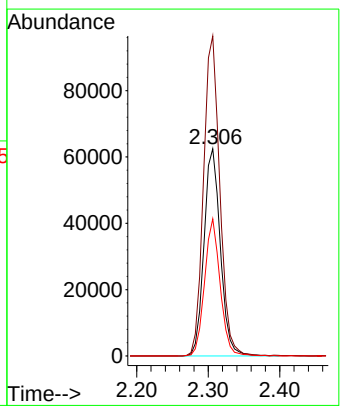


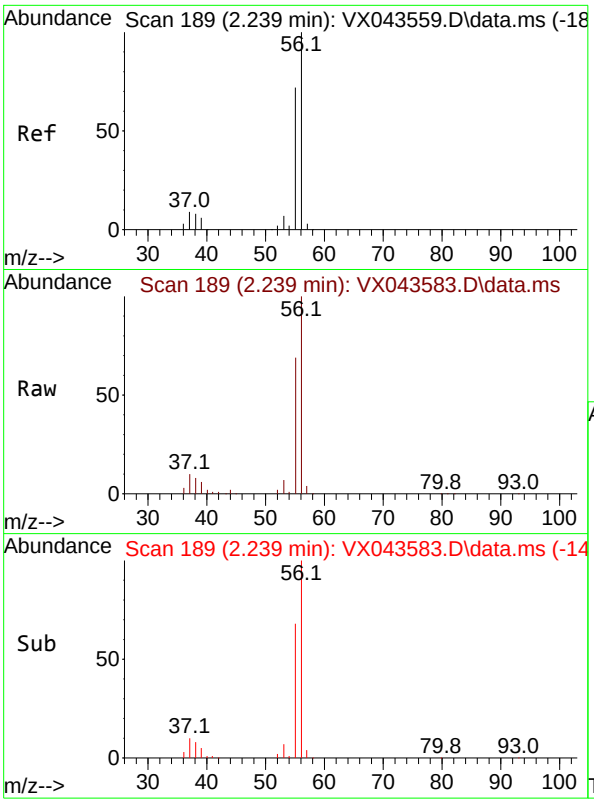


#12
1,1-Dichloroethene
Concen: 50.054 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 96 Resp: 99213

Ion	Ratio	Lower	Upper
96	100		
61	154.4	130.2	195.4
98	66.2	51.0	76.6



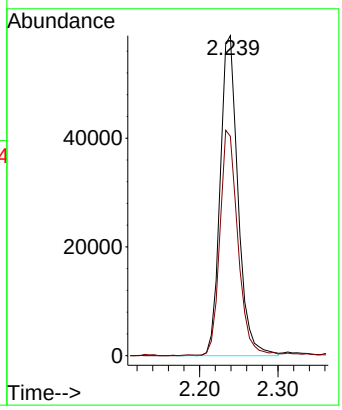


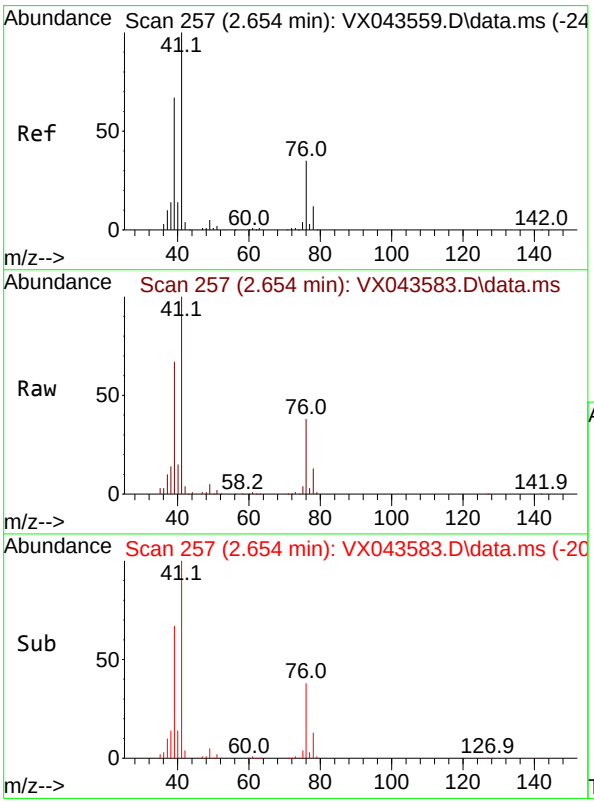
#13
Acrolein
Concen: 216.855 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 93394

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.3	82.9

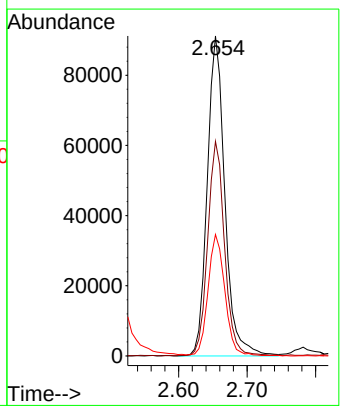


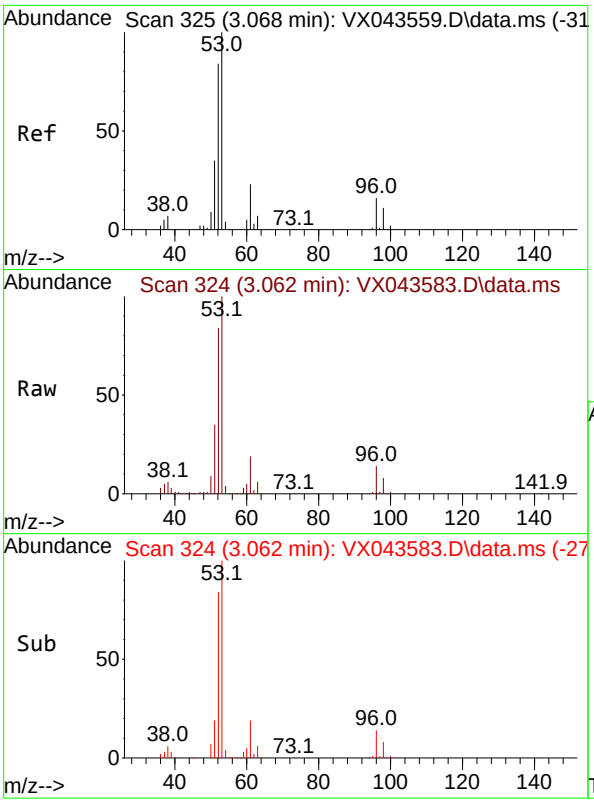


#14
Allyl chloride
Concen: 47.632 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 41 Resp: 163297

Ion	Ratio	Lower	Upper
41	100		
39	63.9	53.2	79.8
76	36.5	27.0	40.6



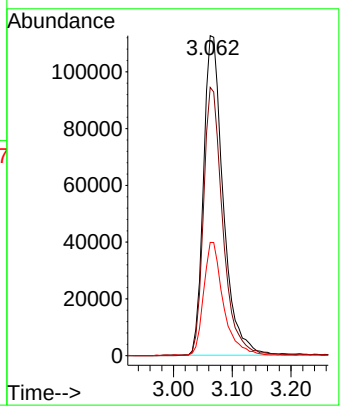


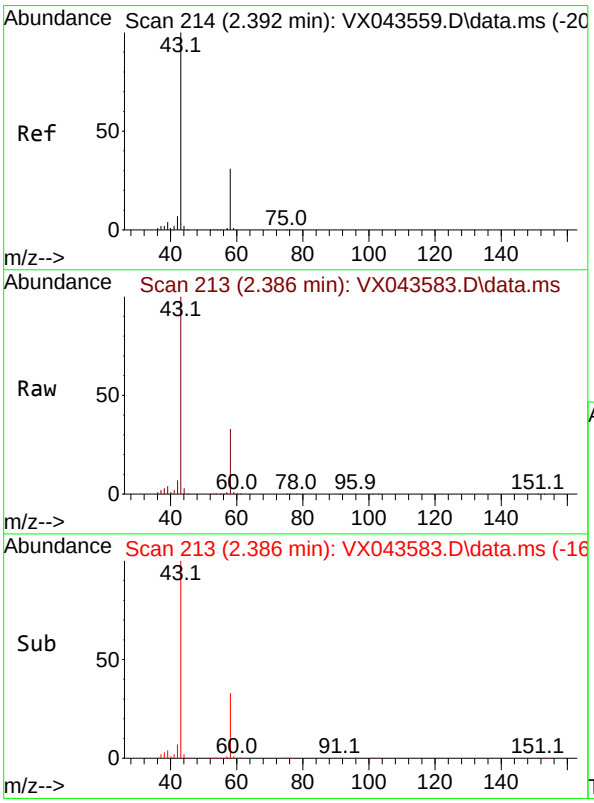
#15
Acrylonitrile
Concen: 211.215 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 262619

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	35.3	28.5	42.7

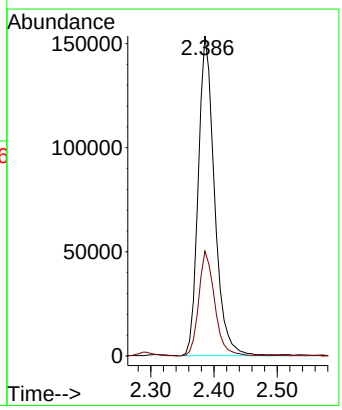


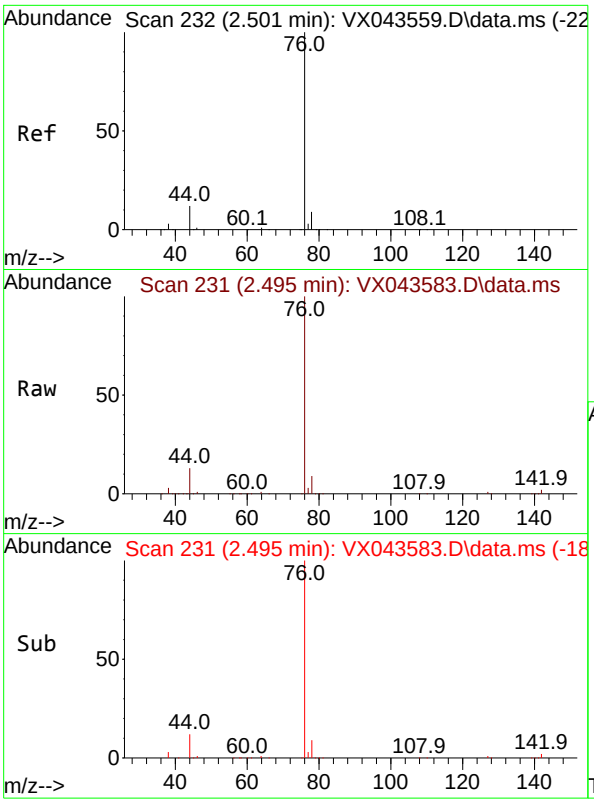


#16
Acetone
Concen: 234.636 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 274914

Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.1	37.7



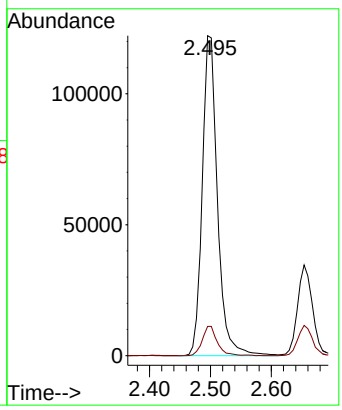


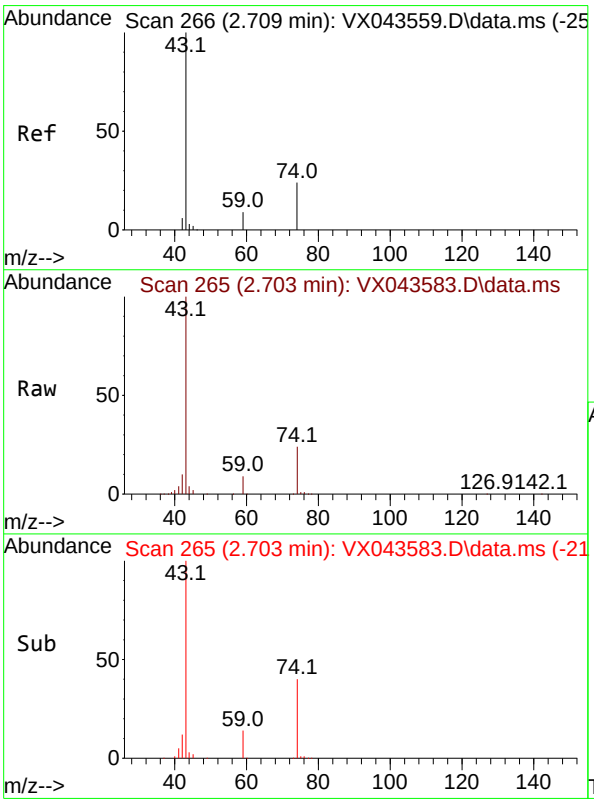
#17
Carbon Disulfide
Concen: 51.153 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 212014

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

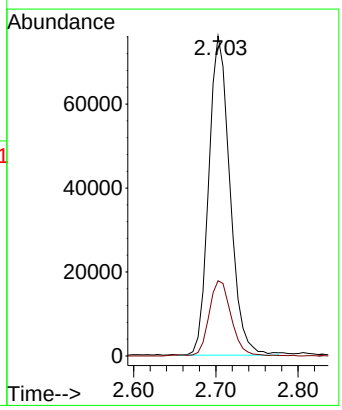


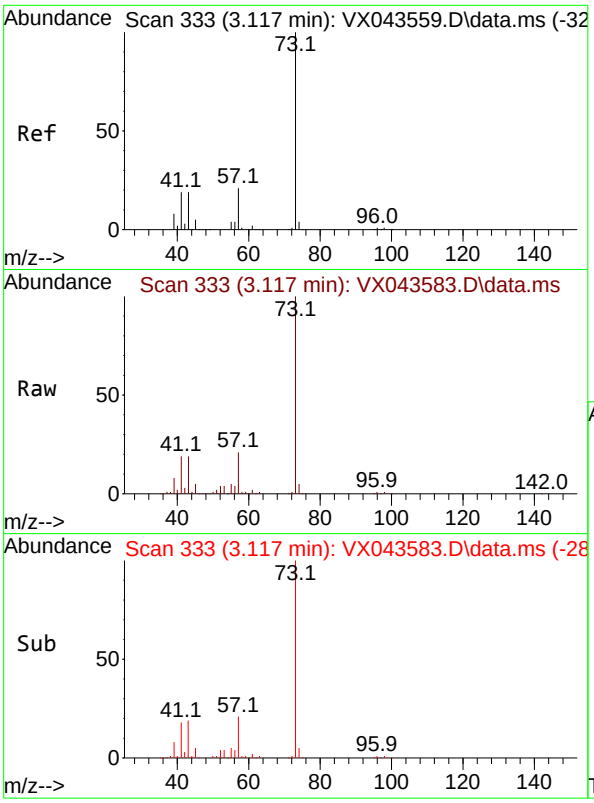


#18
Methyl Acetate
Concen: 39.751 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 136121

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.1	28.7



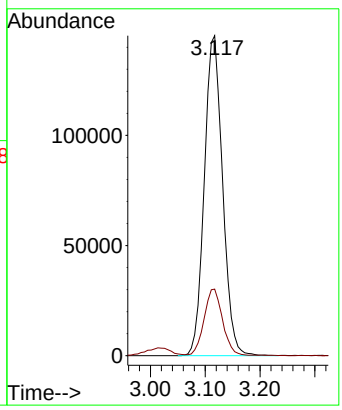


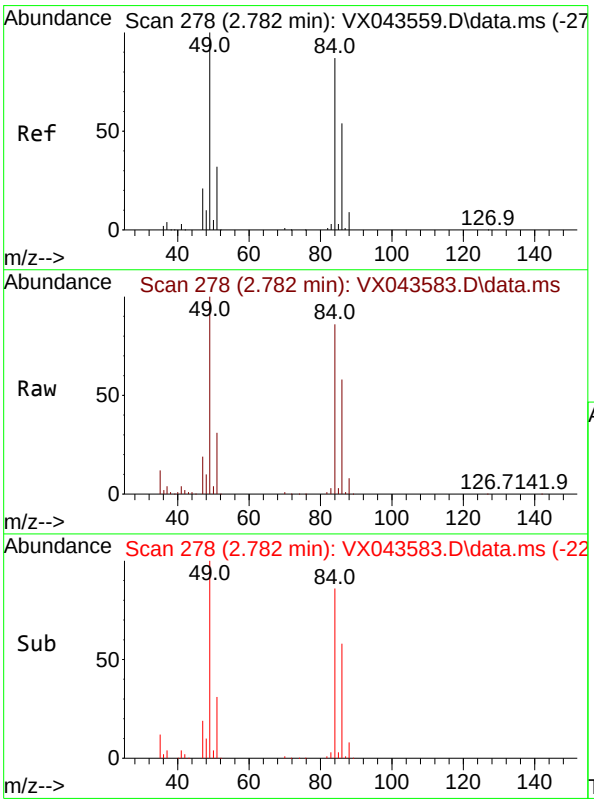
#19
Methyl tert-butyl Ether
Concen: 44.520 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 335598

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

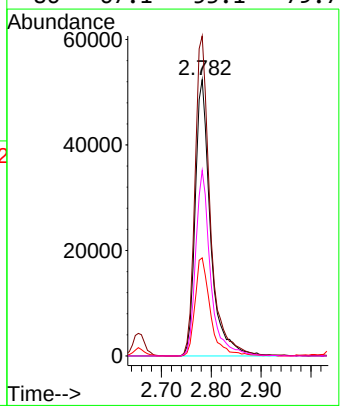


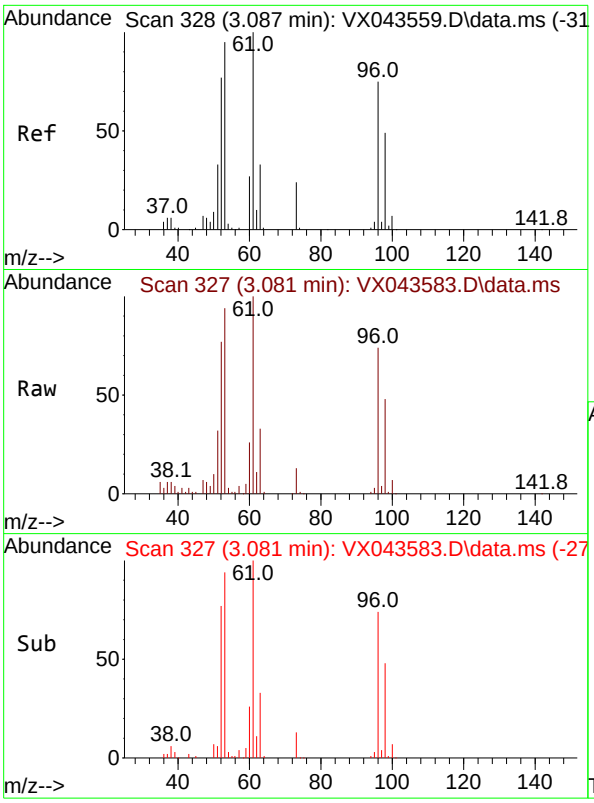


#20
Methylene Chloride
Concen: 44.012 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 84 Resp: 111138

Ion	Ratio	Lower	Upper
84	100		
49	115.8	97.0	145.6
51	35.5	29.8	44.8
86	67.1	53.1	79.7



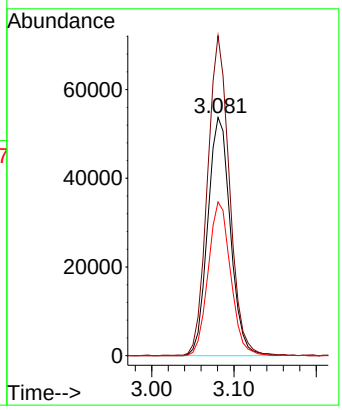


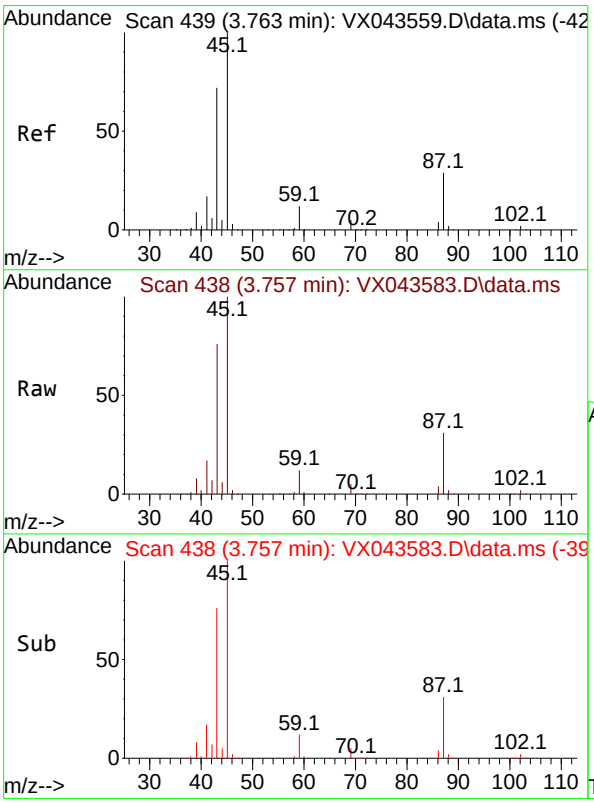
#21
trans-1,2-Dichloroethene
Concen: 49.012 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 102634

Ion	Ratio	Lower	Upper
96	100		
61	134.0	107.1	160.7
98	64.5	47.7	71.5

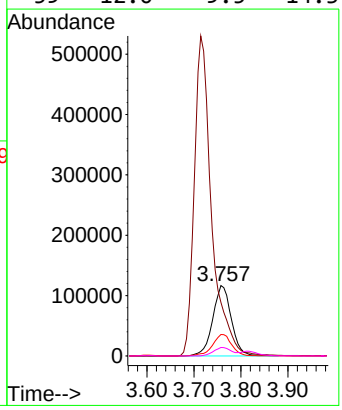


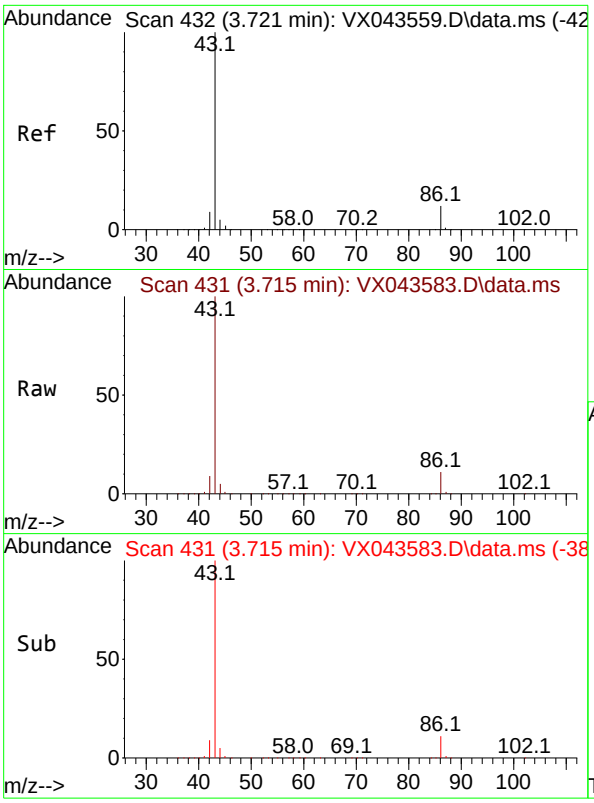


#22
Diisopropyl ether
Concen: 45.317 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 45 Resp: 321130

Ion	Ratio	Lower	Upper
45	100		
43	76.1	60.6	90.8
87	30.6	22.0	33.0
59	12.0	9.5	14.3



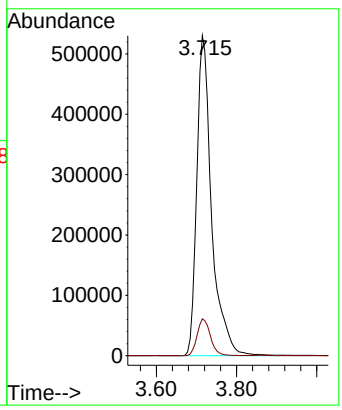


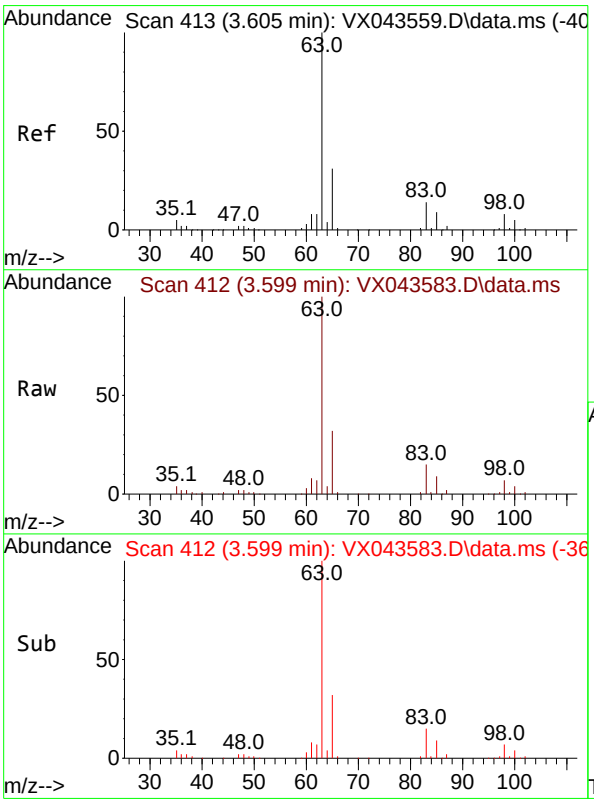
#23
Vinyl Acetate
Concen: 232.674 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1362160

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.0	13.4

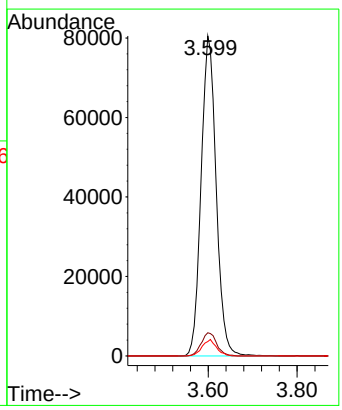


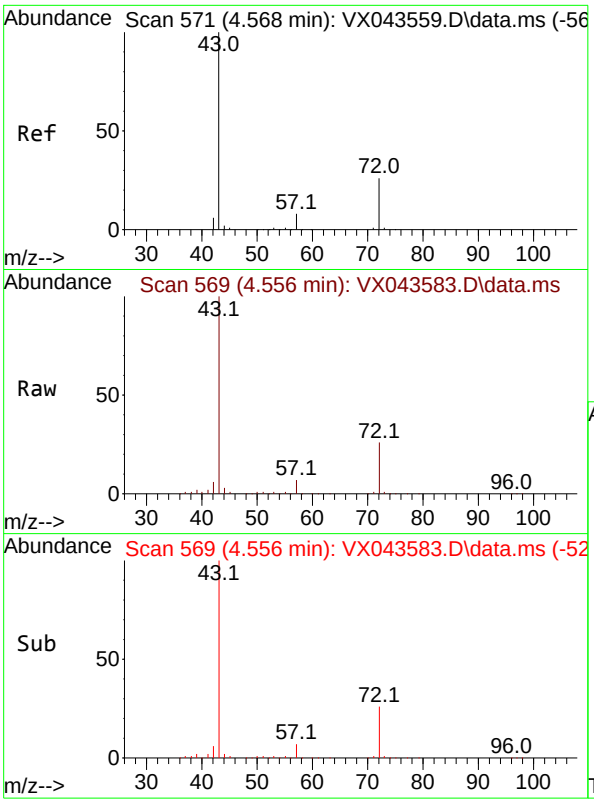


#24
1,1-Dichloroethane
Concen: 46.716 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 63 Resp: 190272

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.5	2.4	7.2



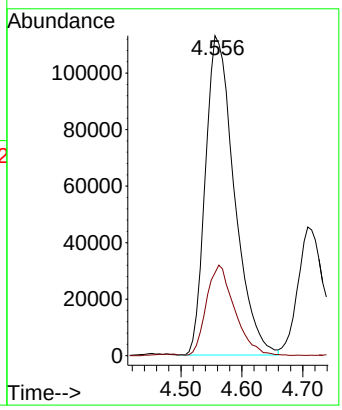


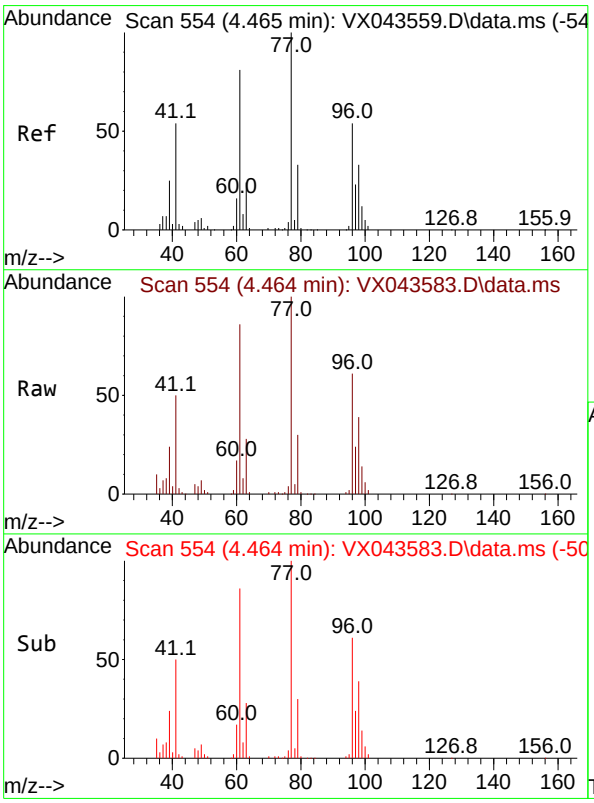
#25
2-Butanone
Concen: 218.384 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 373244

Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.1	31.7

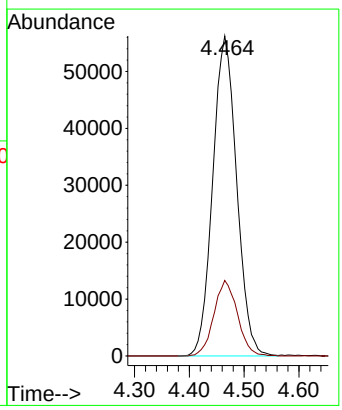


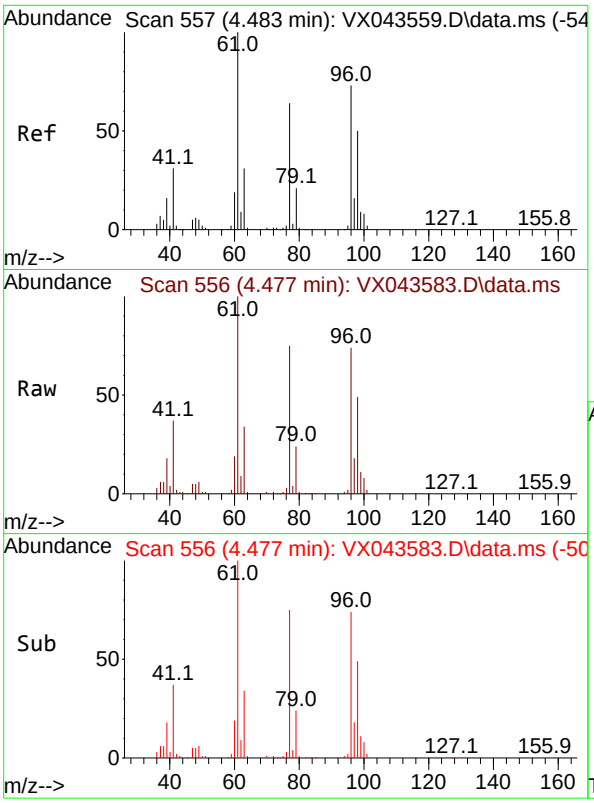


#26
2,2-Dichloropropane
Concen: 51.174 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 77 Resp: 170610

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8



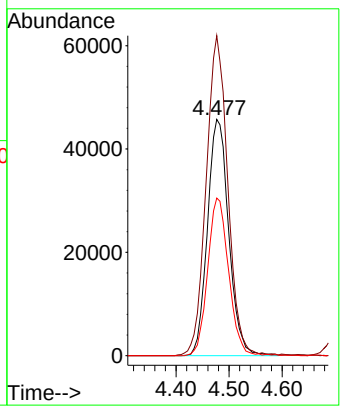


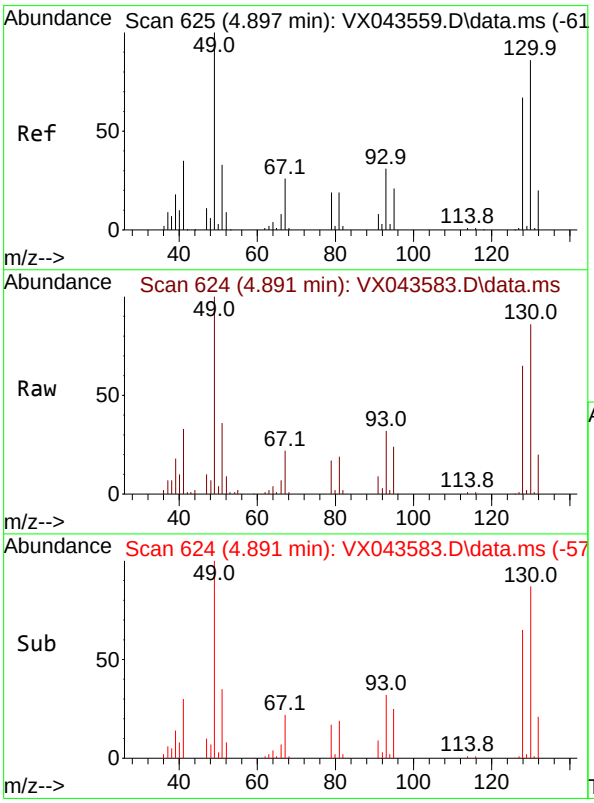
#27
cis-1,2-Dichloroethene
Concen: 47.546 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 127185

Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	277.2
98	65.9	0.0	131.6

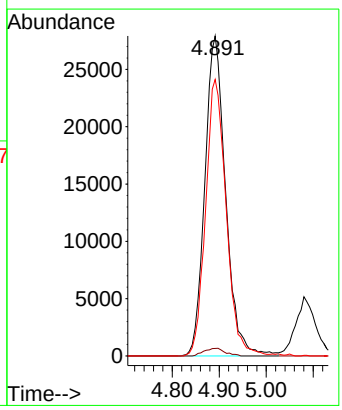


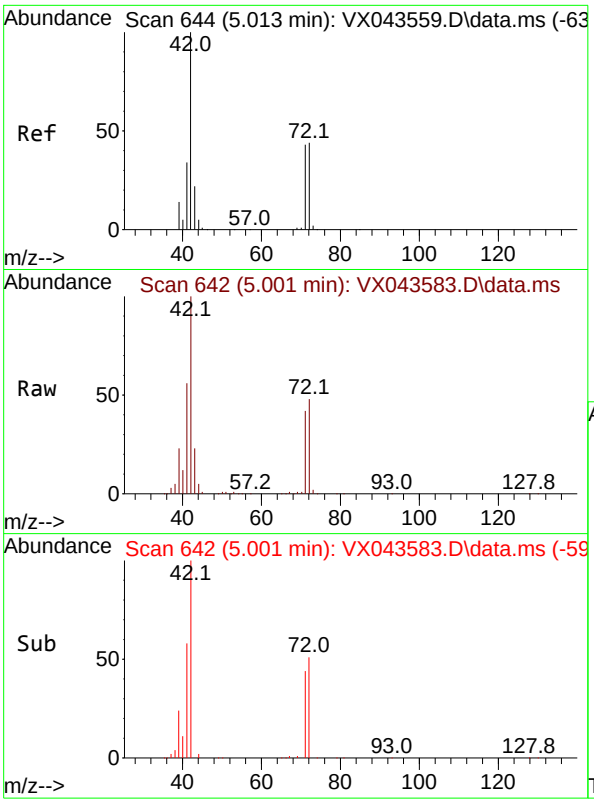


#28
Bromochloromethane
Concen: 44.155 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 49 Resp: 85552

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	85.5	67.8	101.8



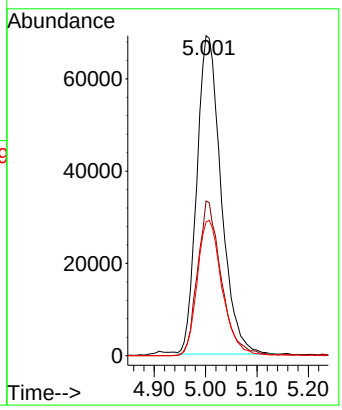


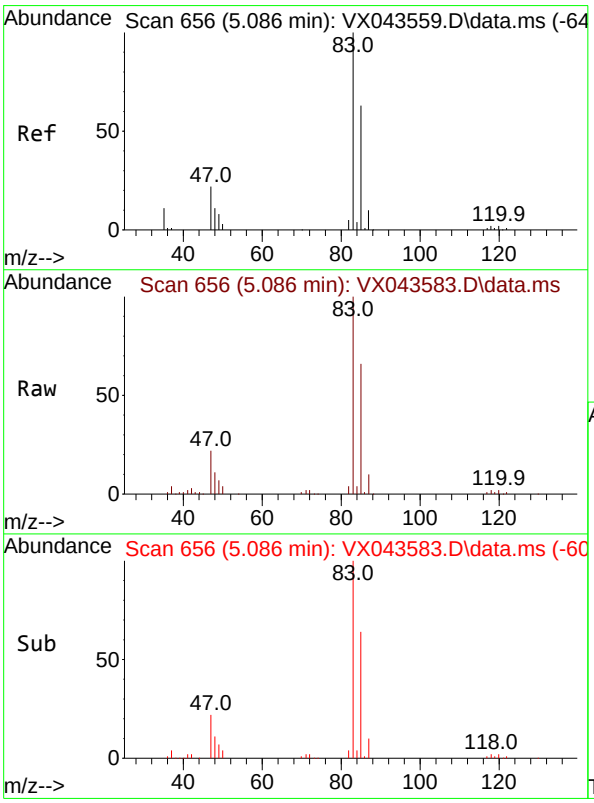
#29
Tetrahydrofuran
Concen: 203.602 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 226140

Ion	Ratio	Lower	Upper
42	100		
72	47.5	36.6	55.0
71	43.6	34.2	51.4

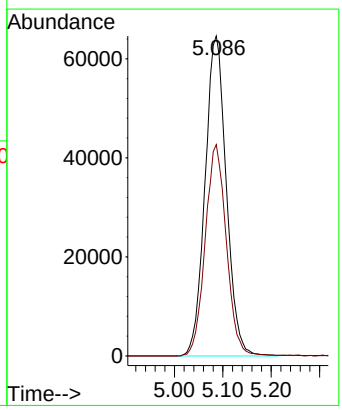


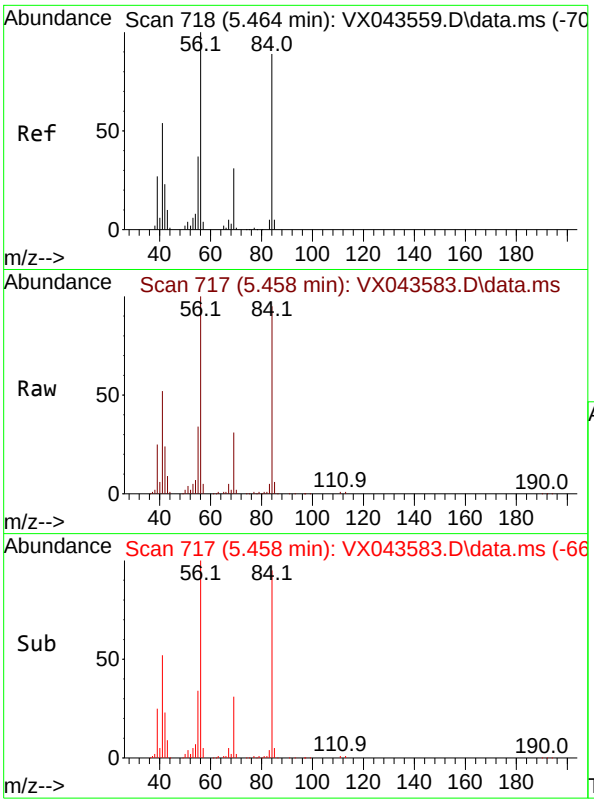


#30
Chloroform
Concen: 46.165 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 83 Resp: 197102

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4



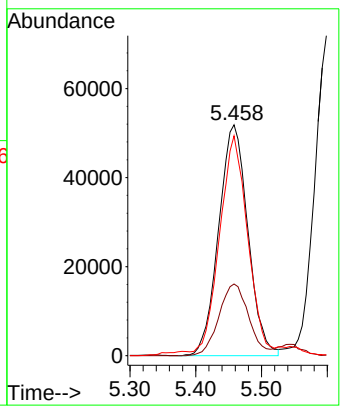


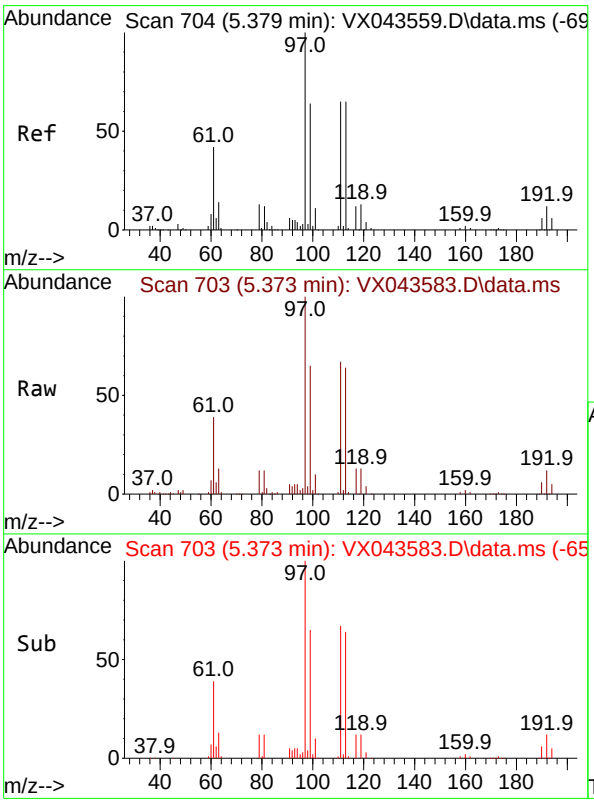
#31
Cyclohexane
Concen: 51.504 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 160445

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	93.6	73.3	109.9

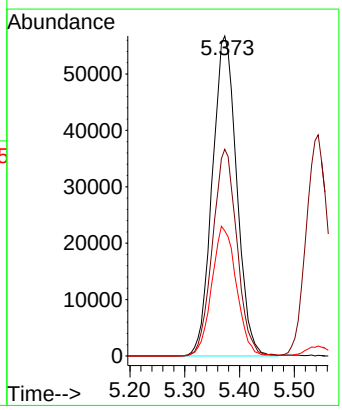


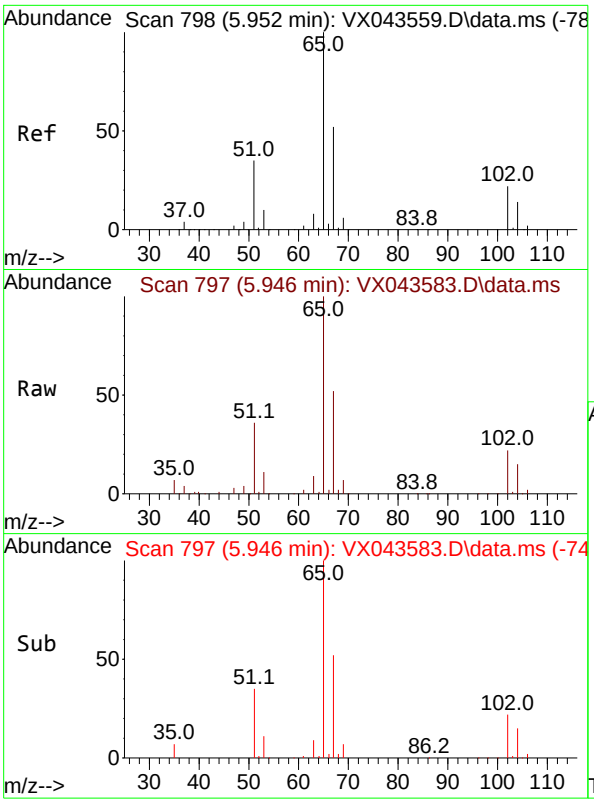


#32
1,1,1-Trichloroethane
Concen: 48.957 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 97 Resp: 175486

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	41.0	34.0	51.0



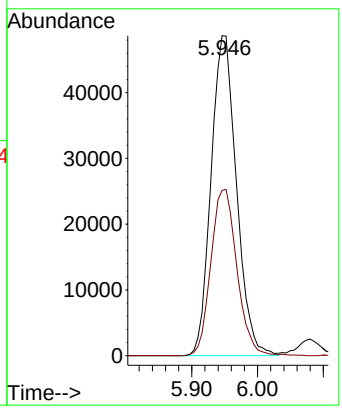


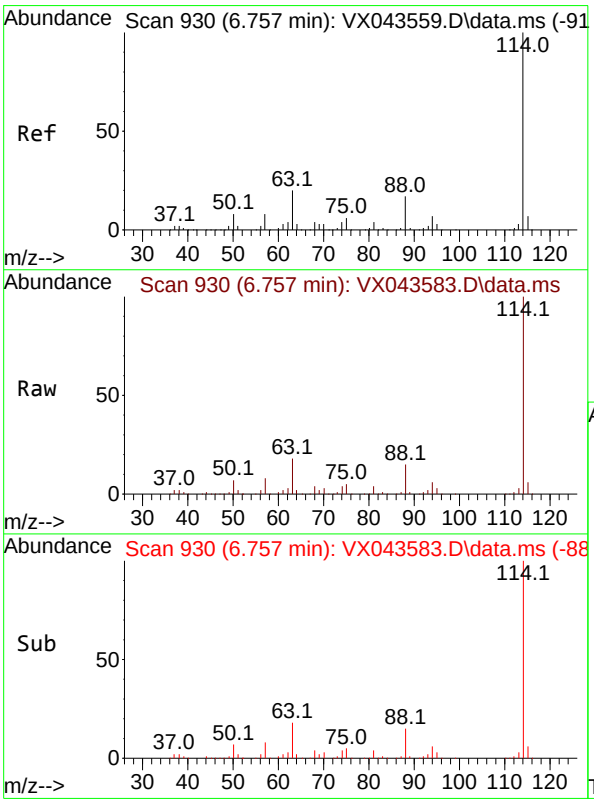
#33
1,2-Dichloroethane-d4
Concen: 44.394 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 130985

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4

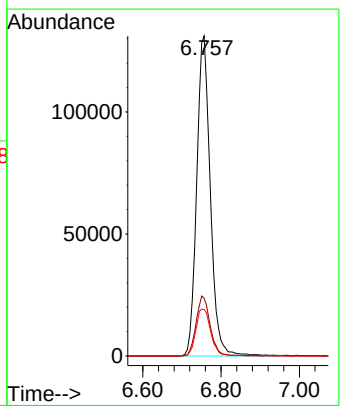


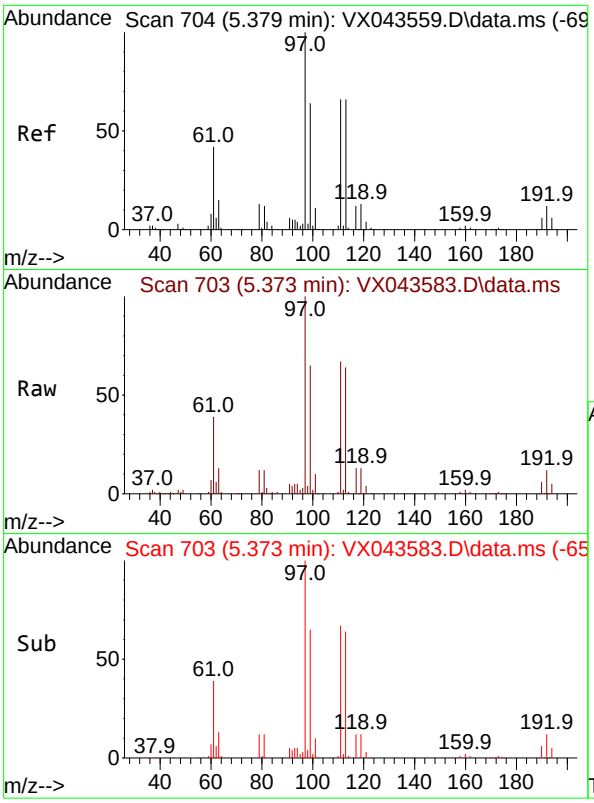


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:114 Resp: 317661

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	41.2
88	14.6	0.0	34.0



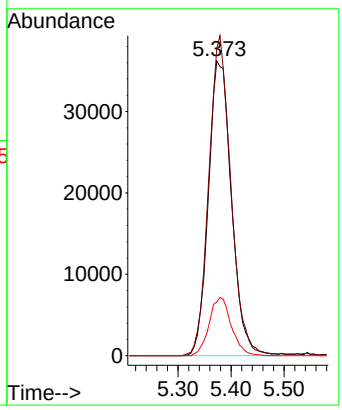


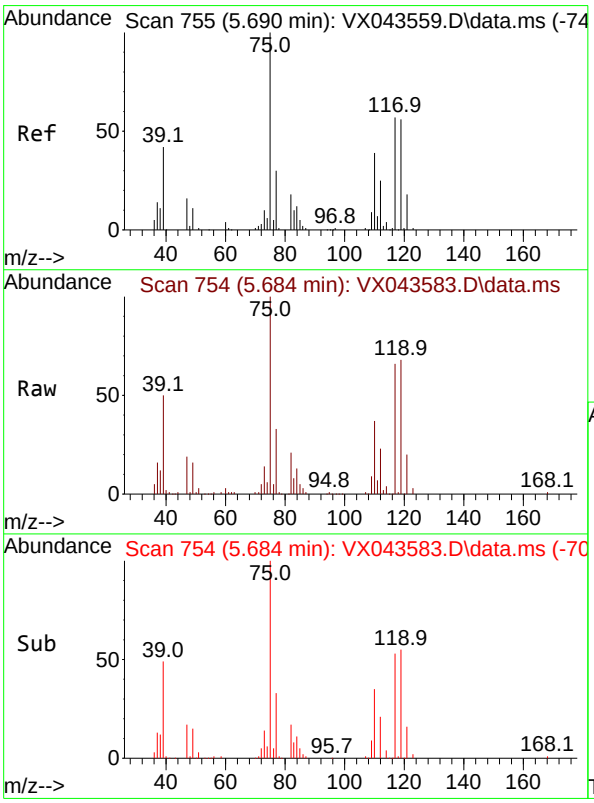
#35
Dibromofluoromethane
Concen: 50.941 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 109730

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	19.0	14.1	21.1

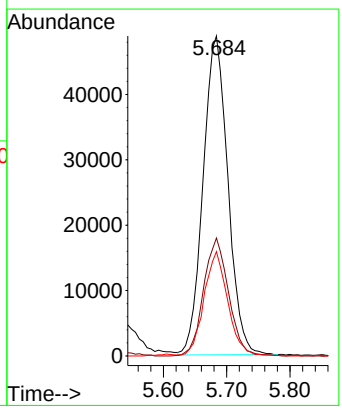


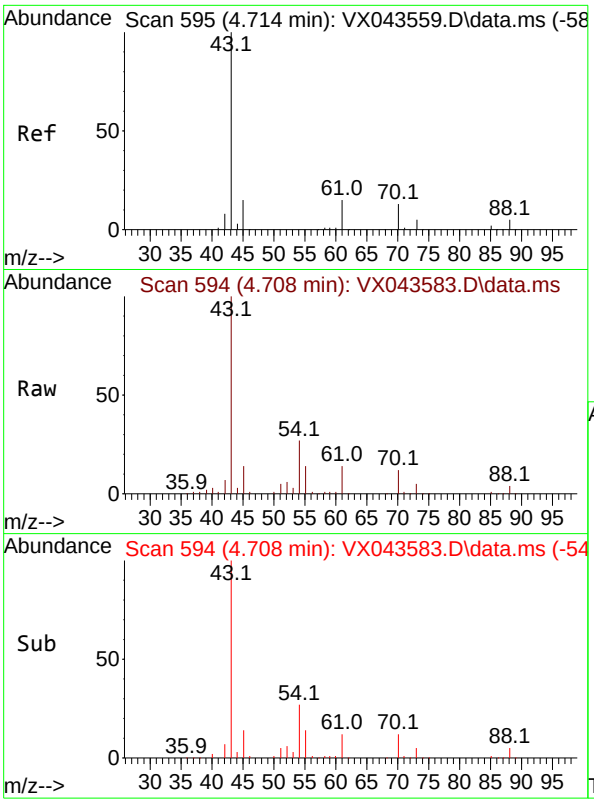


#36
1,1-Dichloropropene
Concen: 51.976 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 132757

Ion	Ratio	Lower	Upper
75	100		
110	37.3	17.9	53.7
77	31.5	25.0	37.4



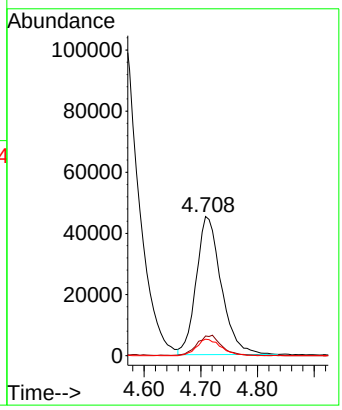


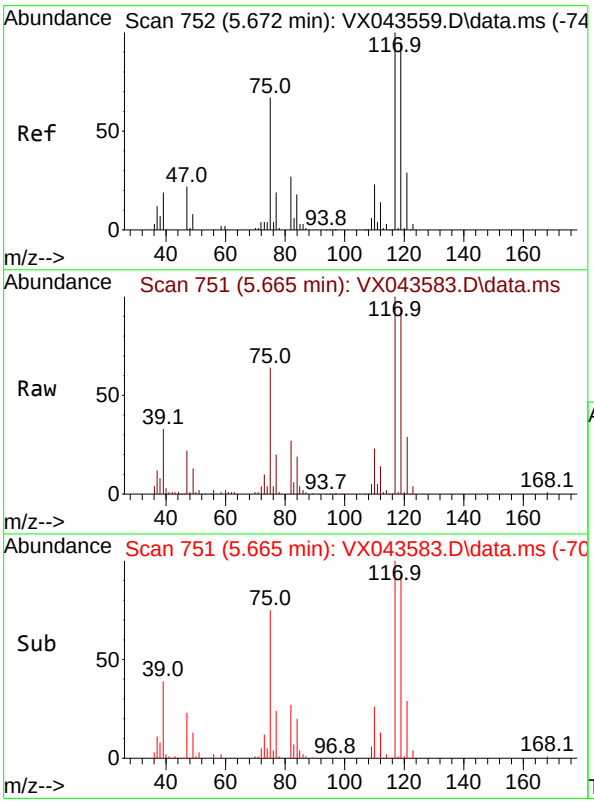
#37
Ethyl Acetate
Concen: 44.531 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 138087

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.6
70	11.8	8.9	13.3

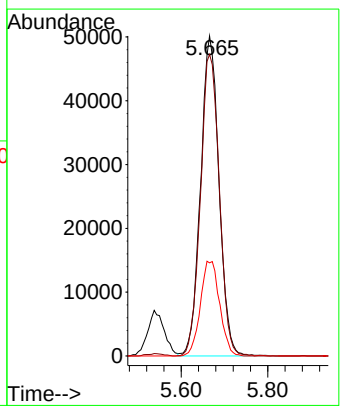


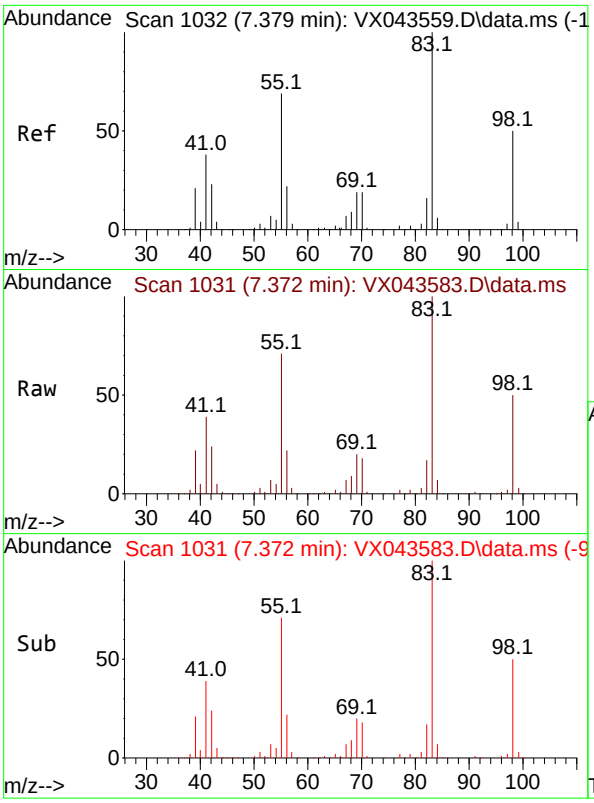


#38
Carbon Tetrachloride
Concen: 52.449 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:117 Resp: 148021

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
121	29.1	24.7	37.1



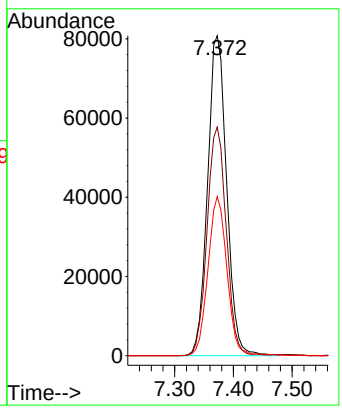


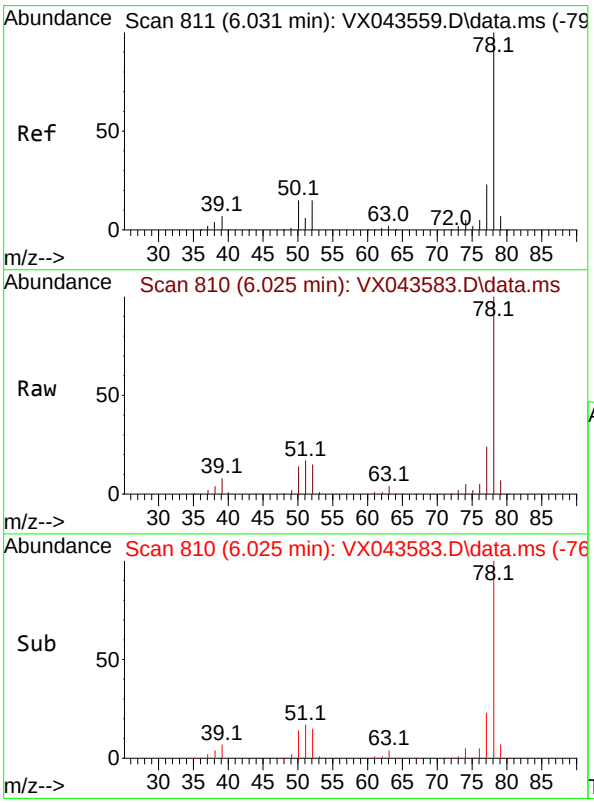
#39
Methylcyclohexane
Concen: 57.467 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 182236

Ion	Ratio	Lower	Upper
83	100		
55	71.5	59.9	89.9
98	49.7	41.3	61.9

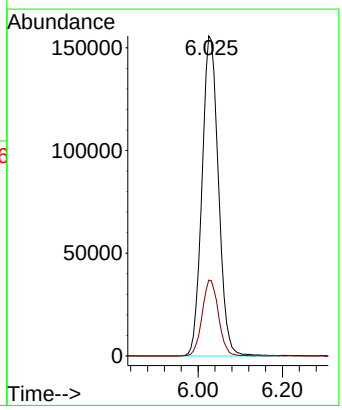


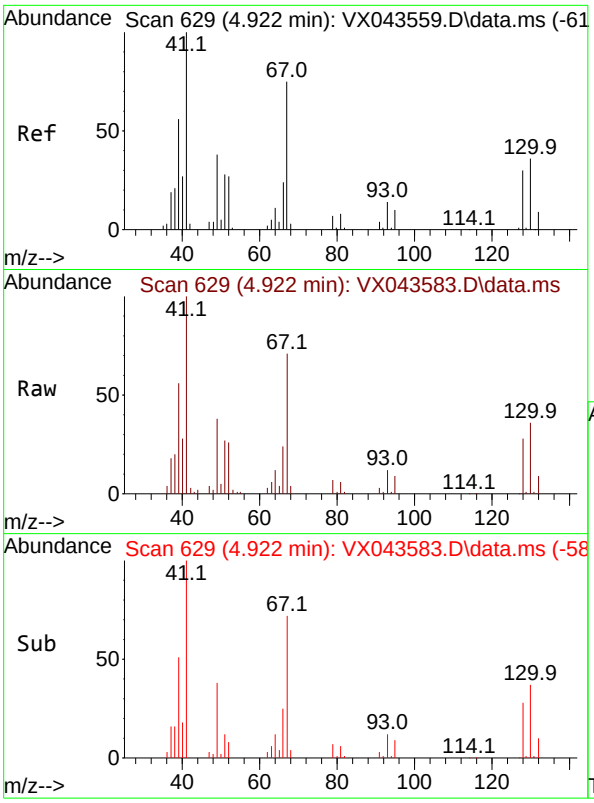


#40
Benzene
Concen: 49.678 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 78 Resp: 423307

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.4	27.6



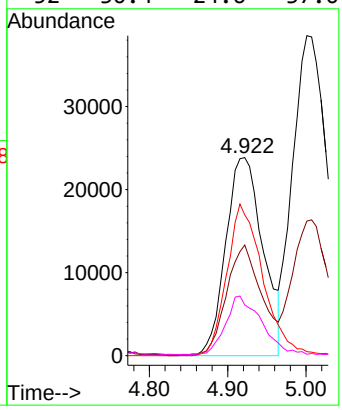


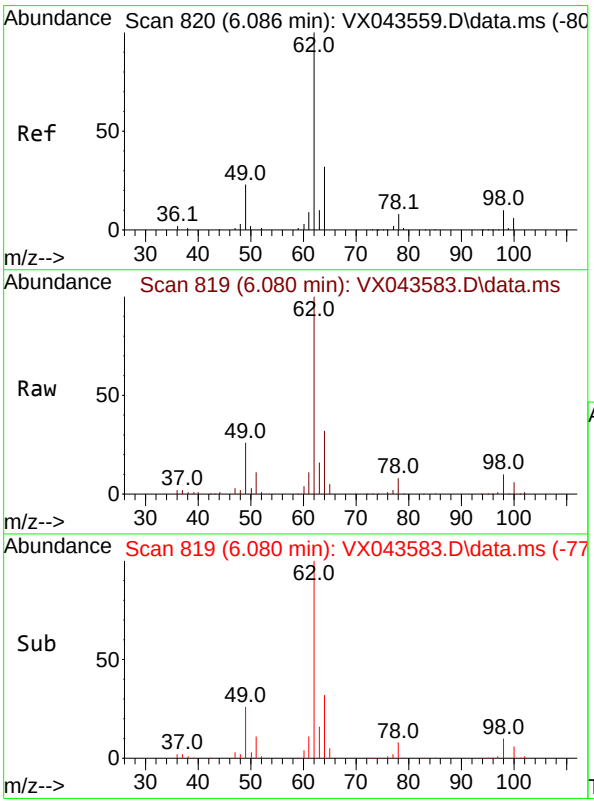
#41
Methacrylonitrile
Concen: 48.472 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 78897

Ion	Ratio	Lower	Upper
41	100		
39	52.2	43.5	65.3
67	74.3	58.3	87.5
52	30.4	24.6	37.0

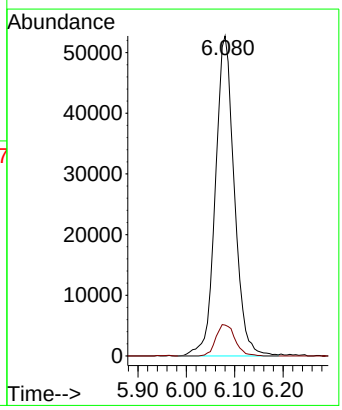


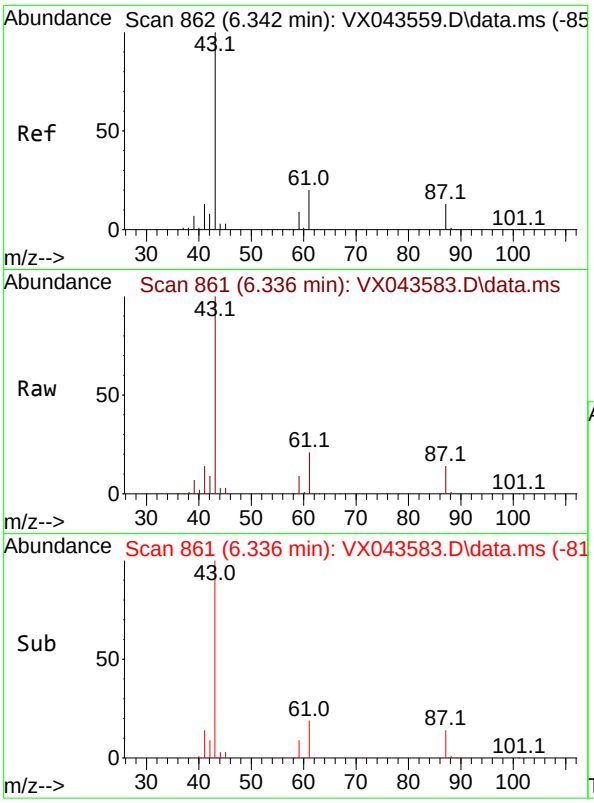


#42
1,2-Dichloroethane
Concen: 46.823 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 62 Resp: 143431

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.8



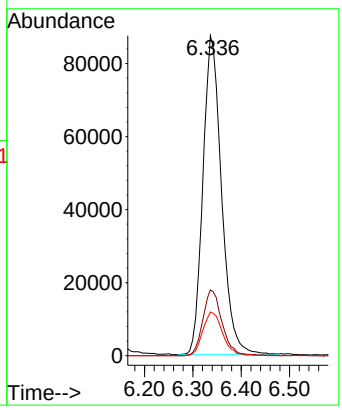


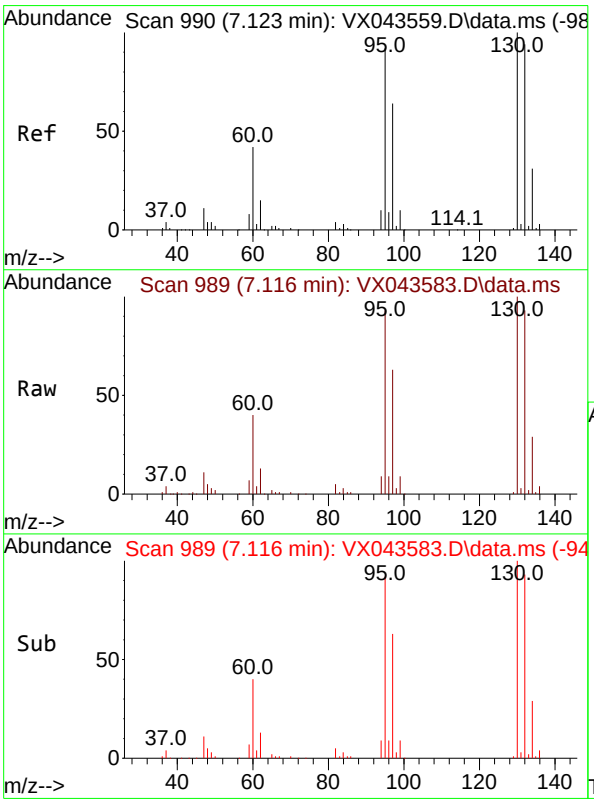
#43
Isopropyl Acetate
Concen: 45.631 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 234002

Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.2	24.4
87	14.5	11.0	16.6

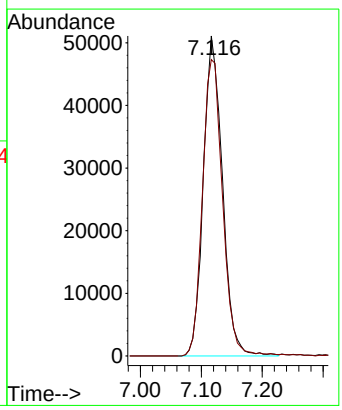


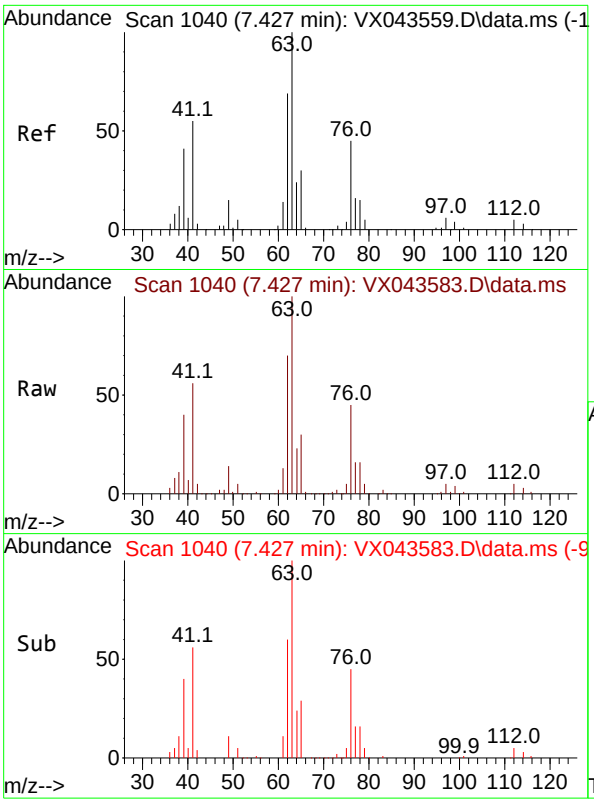


#44
Trichloroethene
Concen: 52.676 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:130 Resp: 111507

Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	202.6



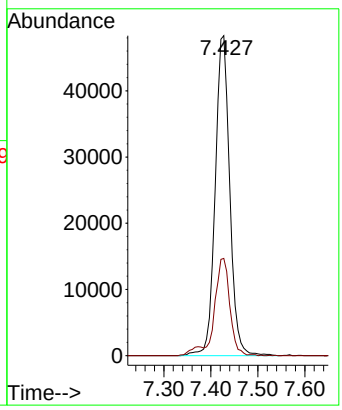


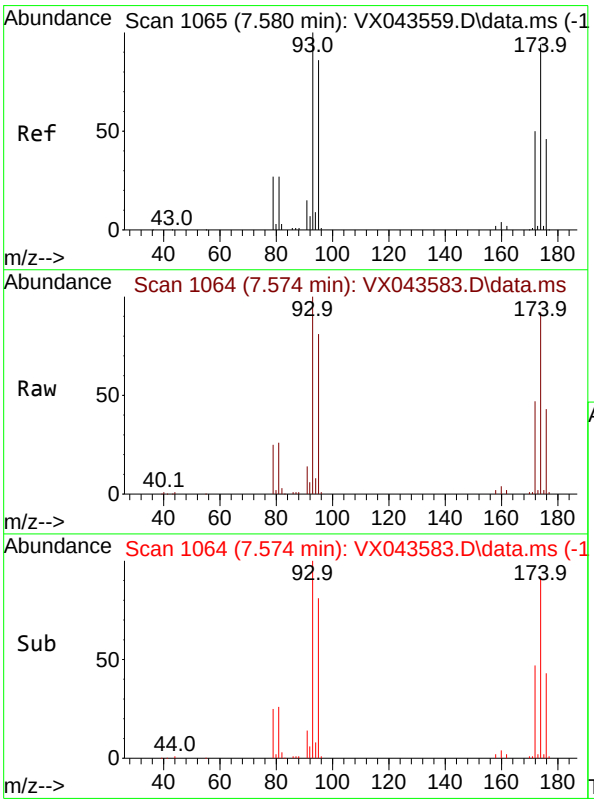
#45
1,2-Dichloropropane
Concen: 49.511 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 103879

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.5	36.7

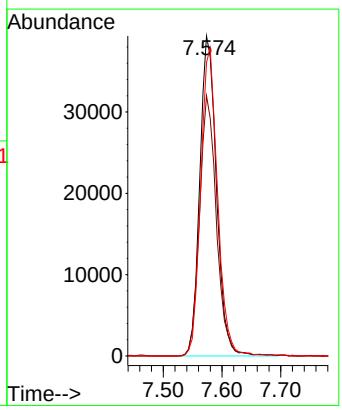


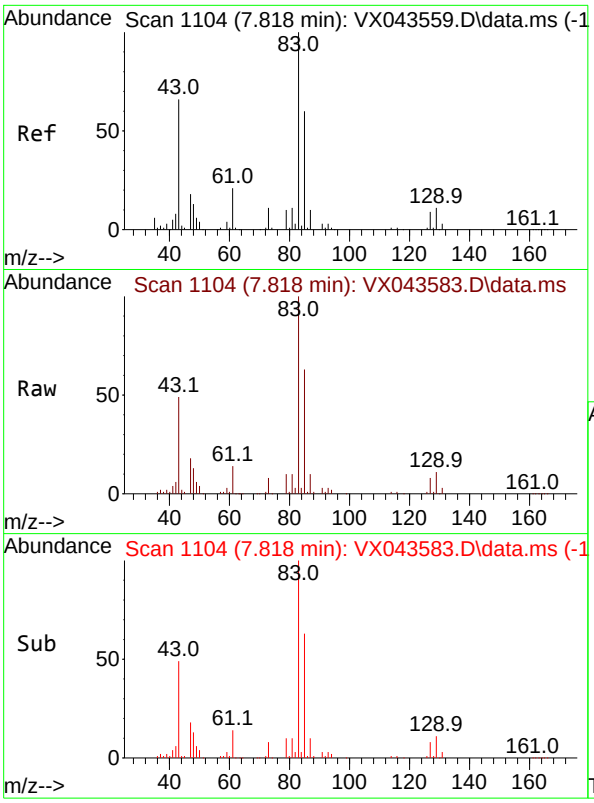


#46
Dibromomethane
Concen: 48.105 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 93 Resp: 77712

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.4	99.6
174	97.4	75.0	112.4



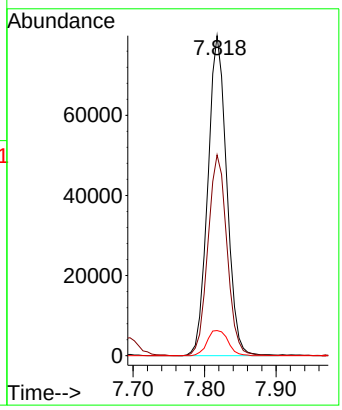


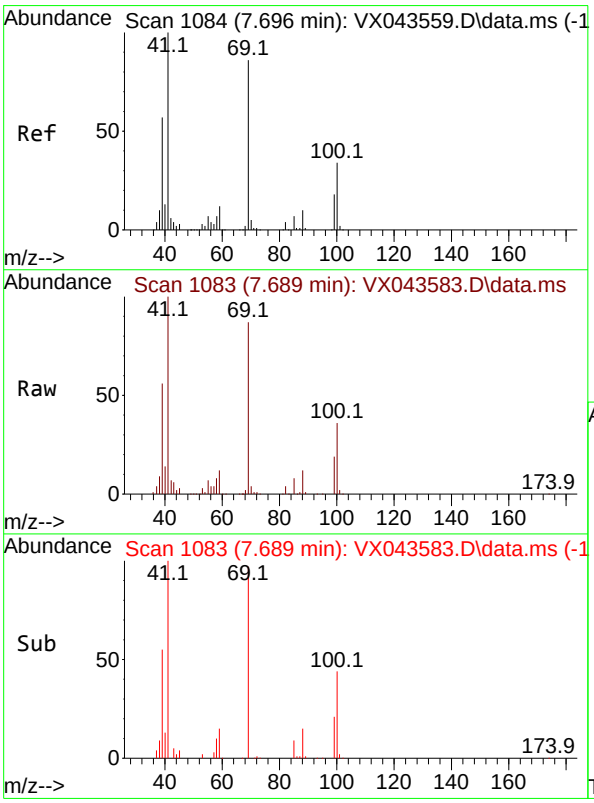
#47
Bromodichloromethane
Concen: 51.705 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 146531

Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.4
127	7.9	7.1	10.7

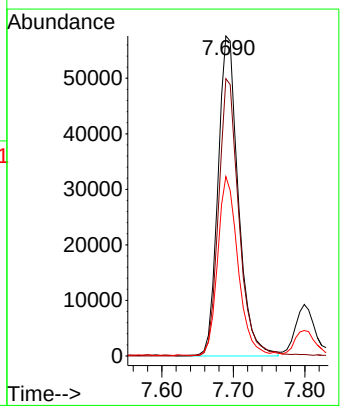


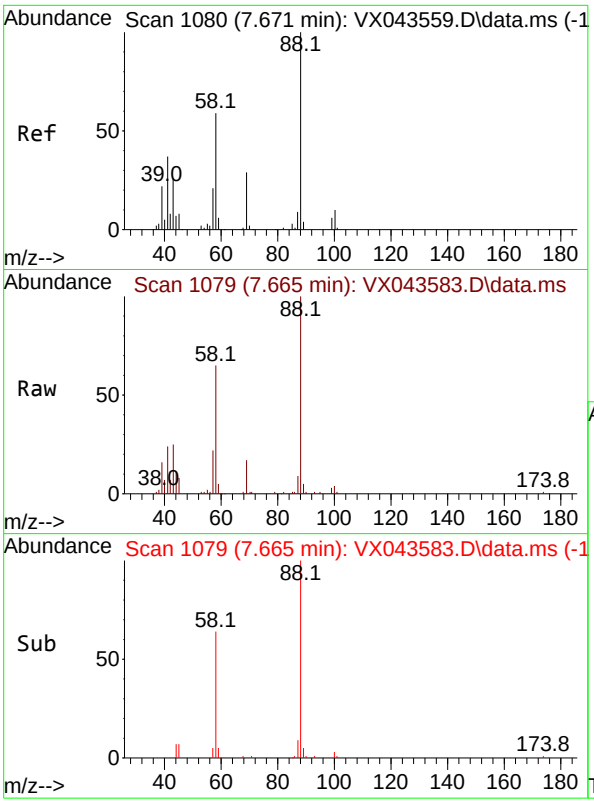


#48
Methyl methacrylate
Concen: 46.843 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 41 Resp: 113890

Ion	Ratio	Lower	Upper
41	100		
69	86.9	67.7	101.5
39	56.0	46.3	69.5



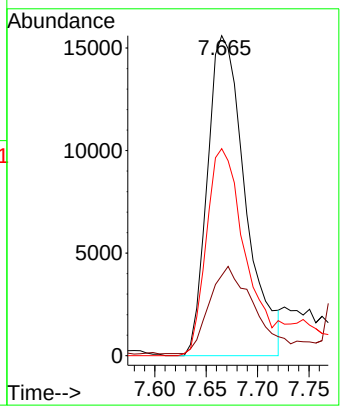


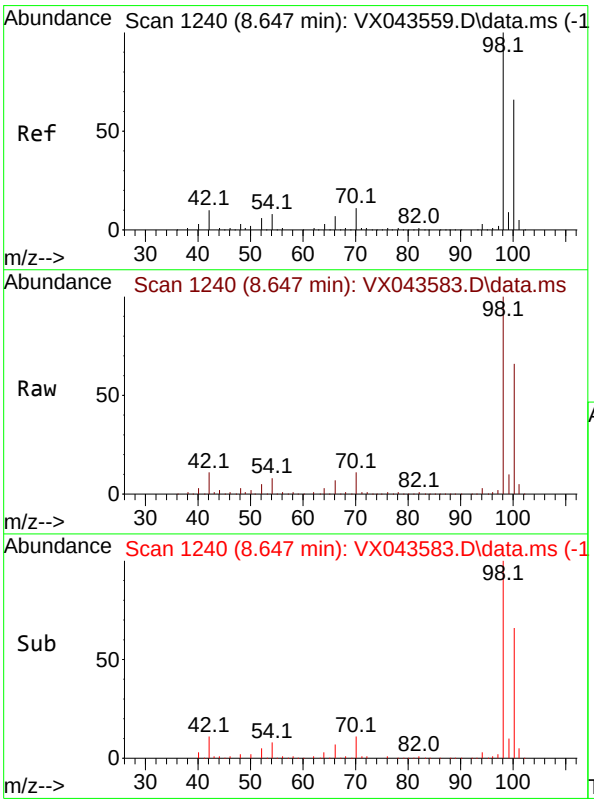
#49
1,4-Dioxane
Concen: 802.493 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 40086

Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.3	37.9
58	69.6	53.9	80.9

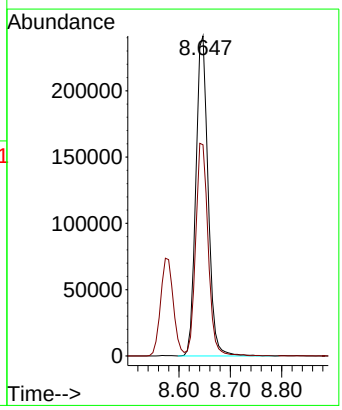


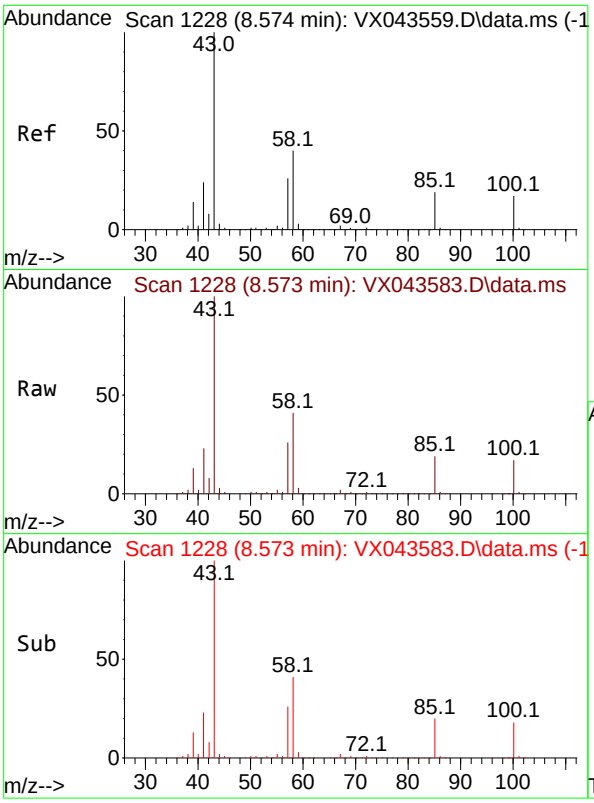


#50
Toluene-d8
Concen: 53.676 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 98 Resp: 400238

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2



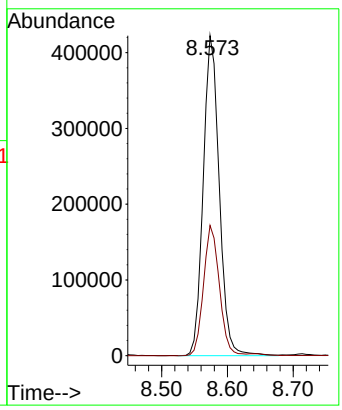


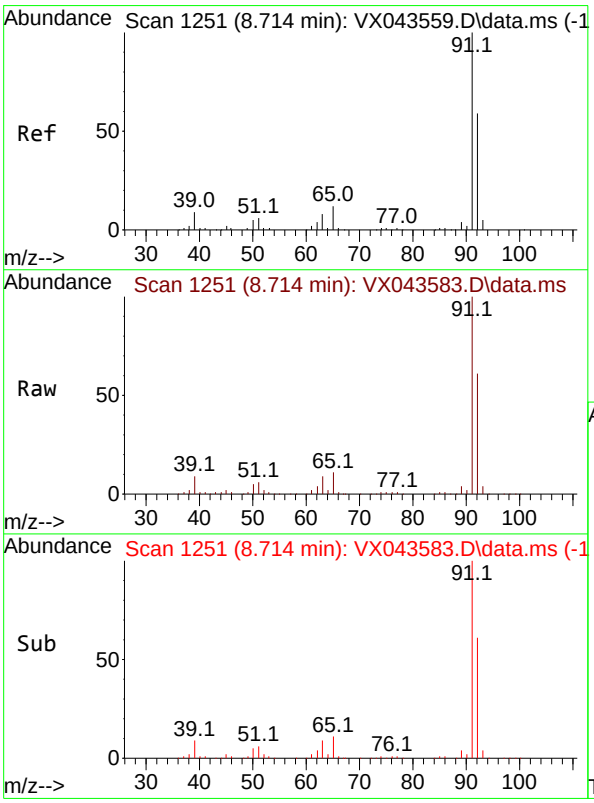
#51
4-Methyl-2-Pentanone
Concen: 229.232 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 716488

Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.7	47.5

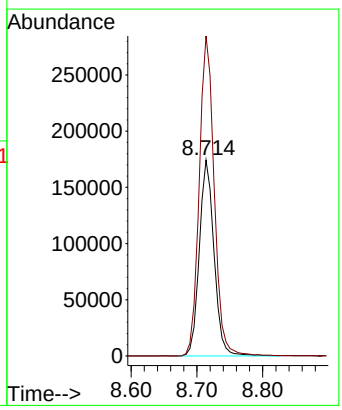


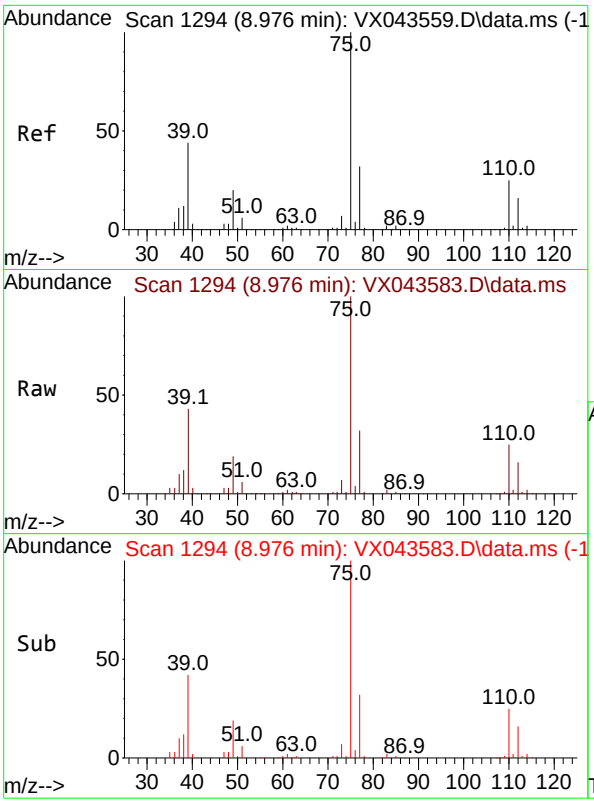


#52
Toluene
Concen: 52.511 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 92 Resp: 271357

Ion	Ratio	Lower	Upper
92	100		
91	166.7	135.7	203.5



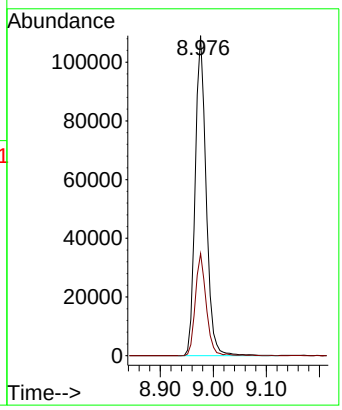


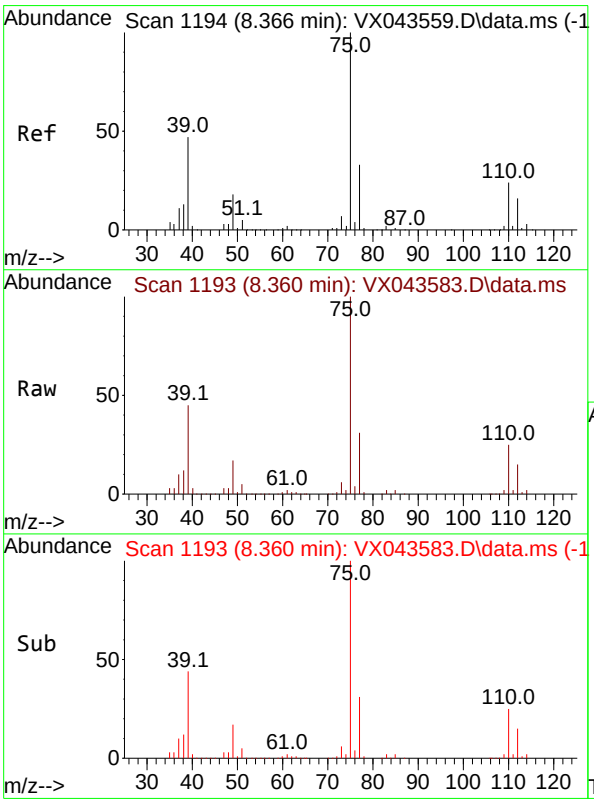
#53
t-1,3-Dichloropropene
Concen: 51.148 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 155688

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.0	39.0

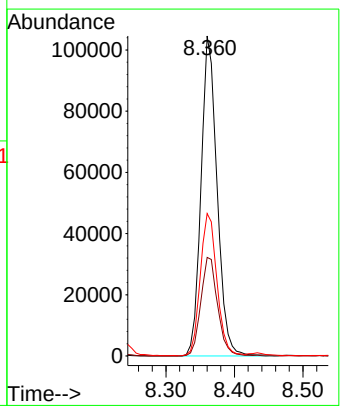


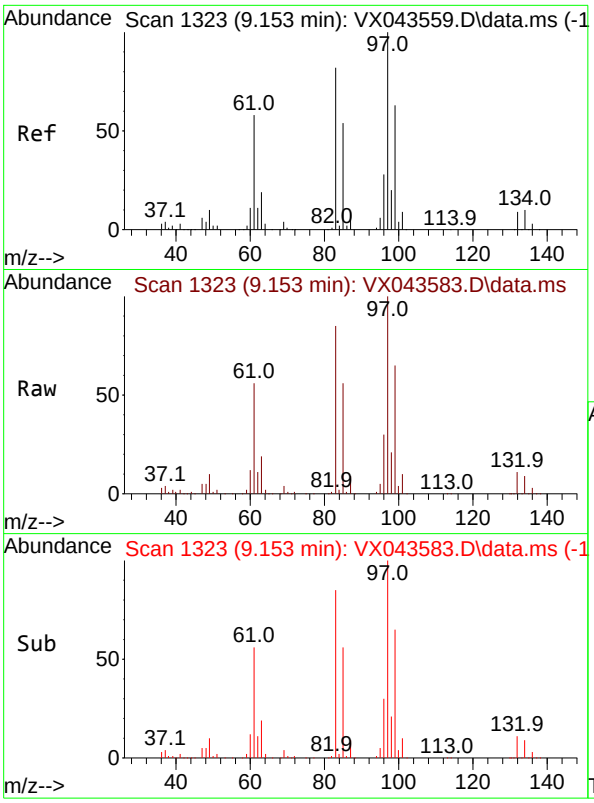


#54
cis-1,3-Dichloropropene
Concen: 52.575 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 170511

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	44.5	37.7	56.5



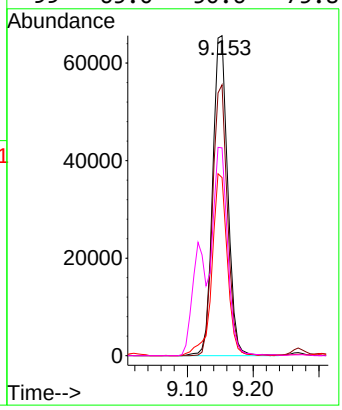


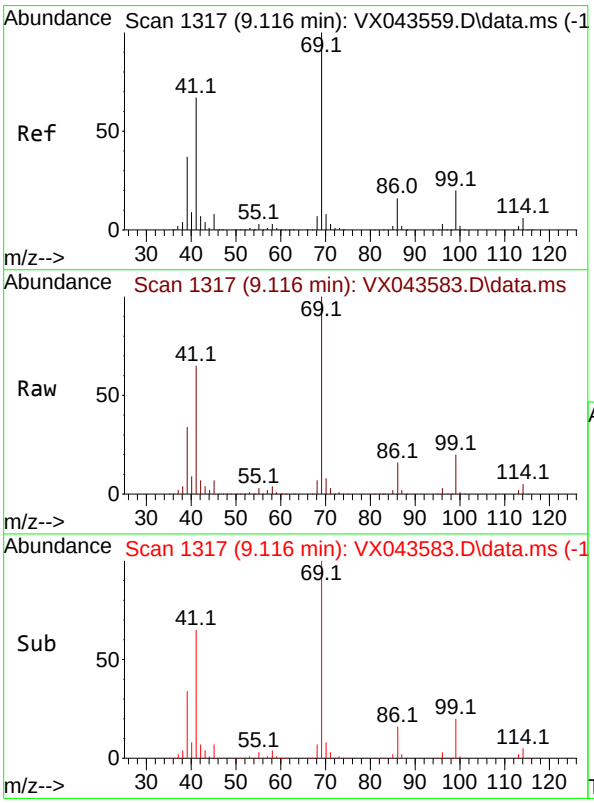
#55
1,1,2-Trichloroethane
Concen: 48.542 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 104415

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.3	100.9
85	55.7	43.6	65.4
99	65.0	50.6	75.8

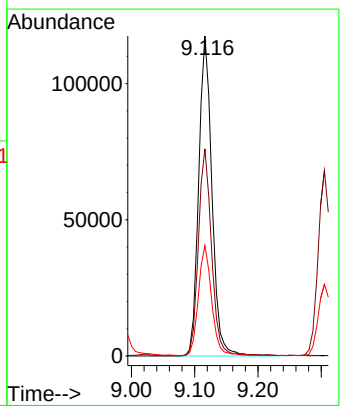


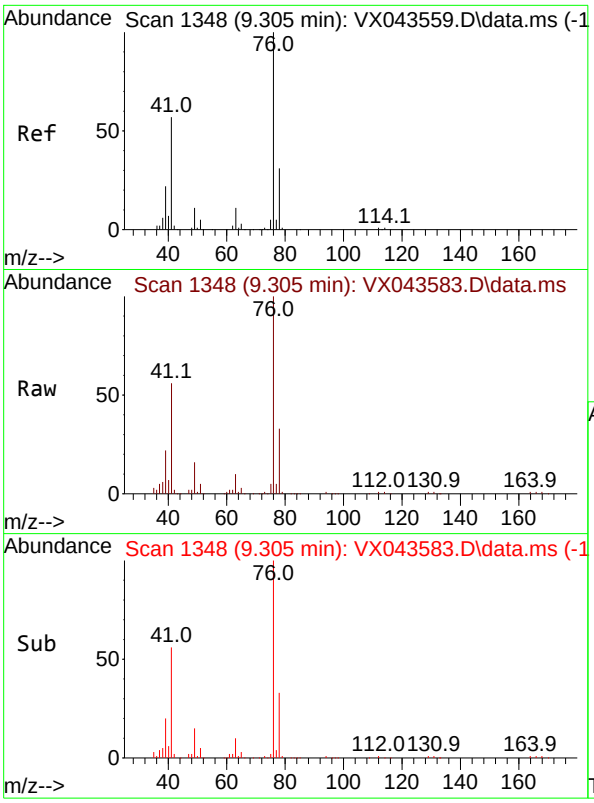


#56
Ethyl methacrylate
Concen: 49.201 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 69 Resp: 171964

Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.8	80.8
39	34.2	29.9	44.9



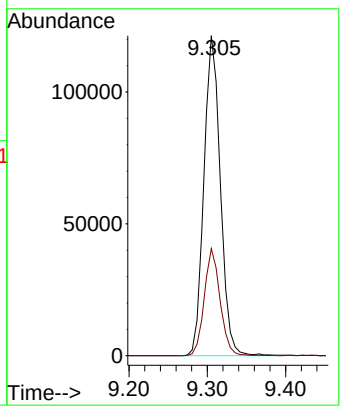


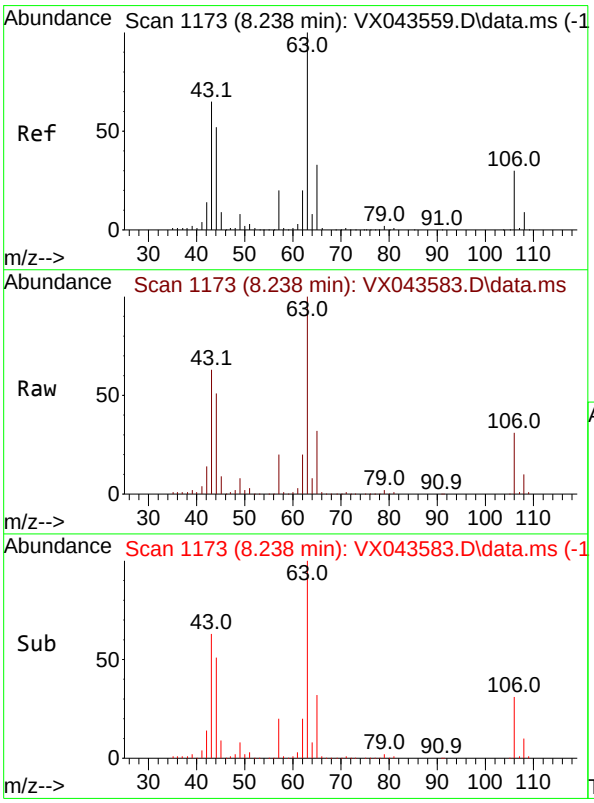
#57
1,3-Dichloropropane
Concen: 49.396 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 176717

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

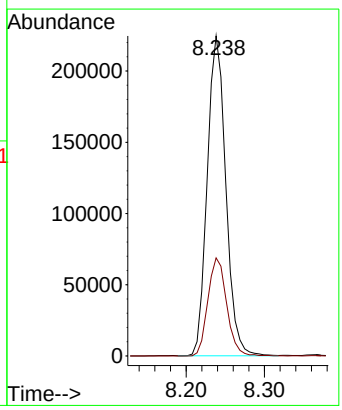


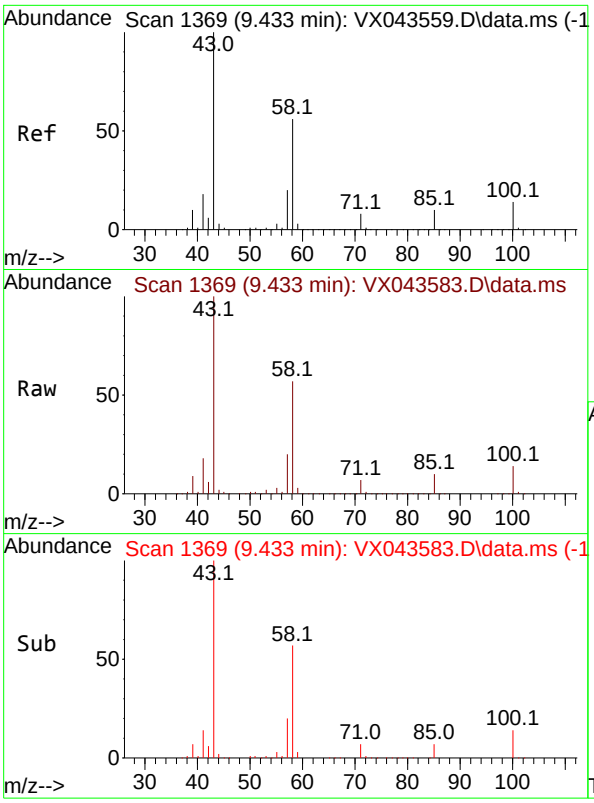


#58
2-Chloroethyl Vinyl ether
Concen: 218.483 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 63 Resp: 369838

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.6	35.4



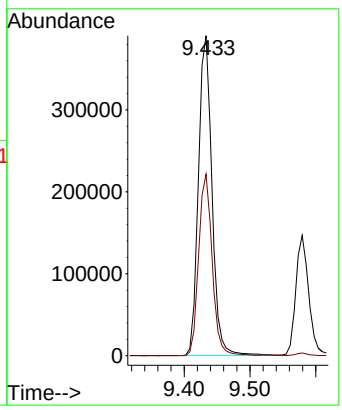


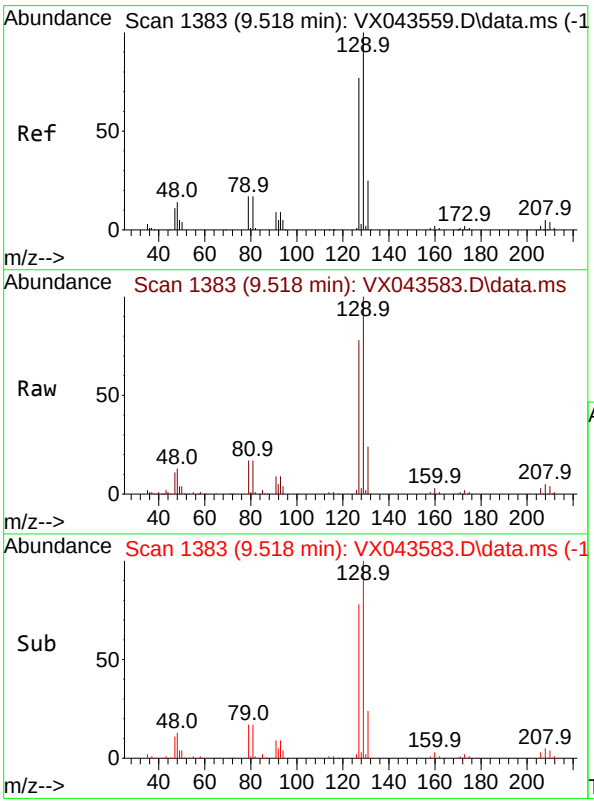
#59
2-Hexanone
Concen: 235.767 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 559686

Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.5	82.5

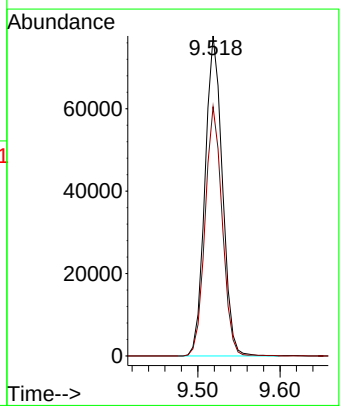


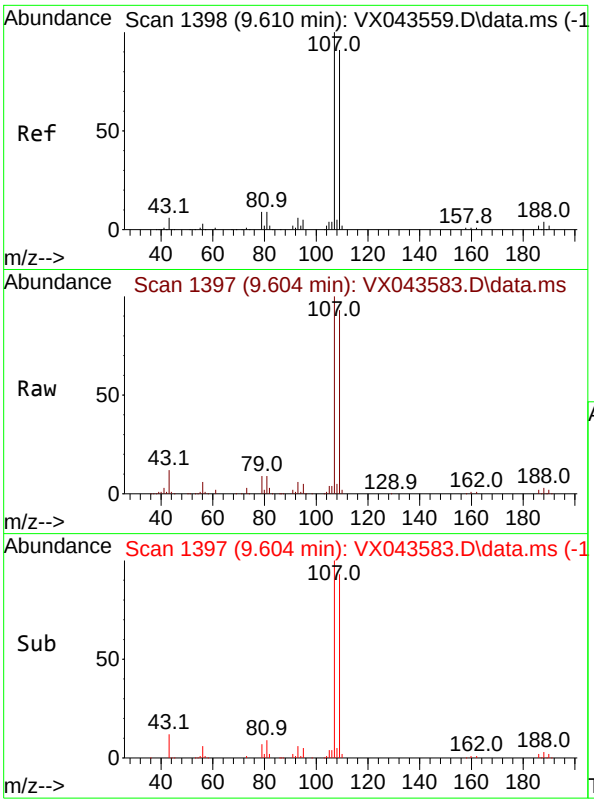


#60
Dibromochloromethane
Concen: 53.432 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:129 Resp: 113810

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.1



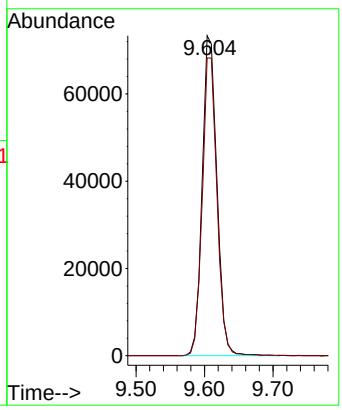


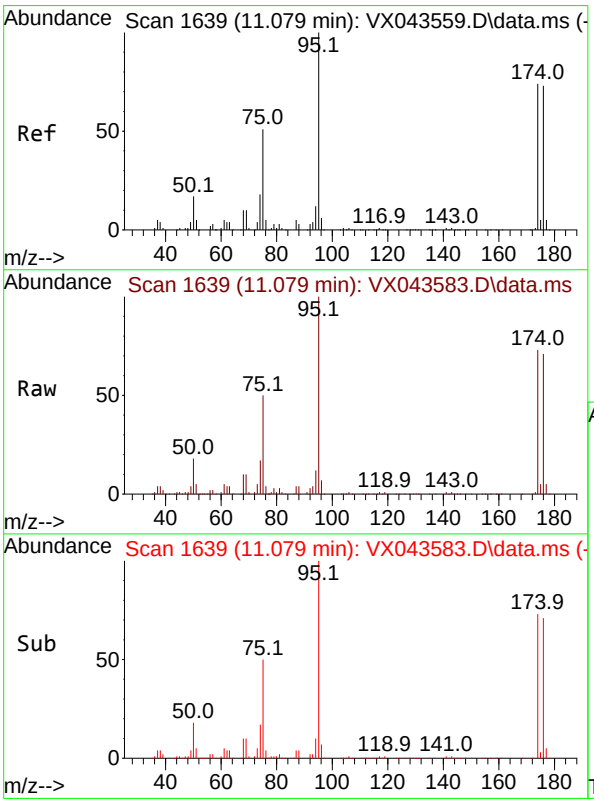
#61
1,2-Dibromoethane
Concen: 49.183 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 109821

Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.1	115.7

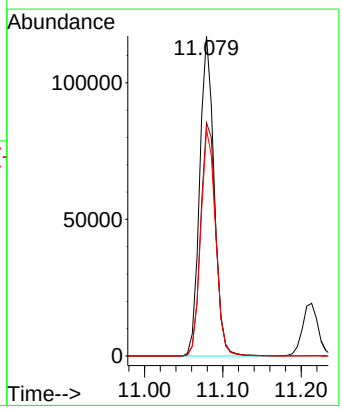


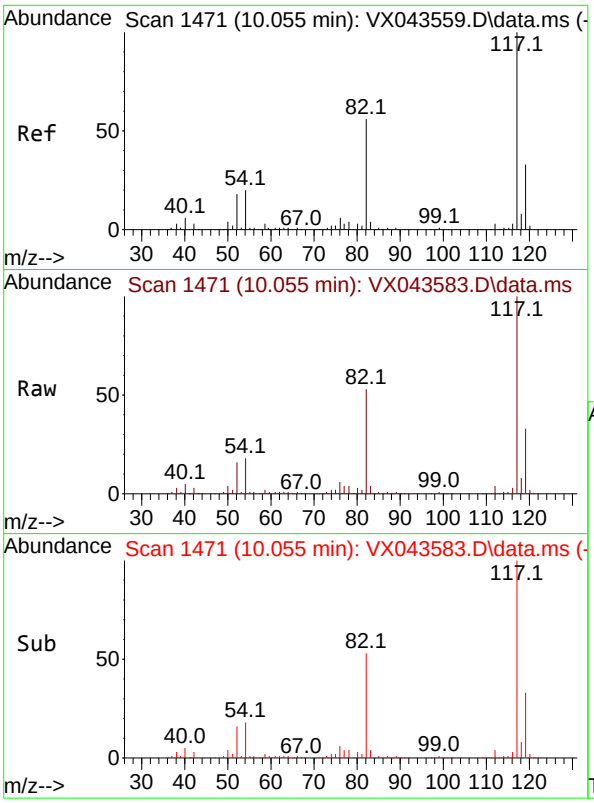


#62
4-Bromofluorobenzene
Concen: 54.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 95 Resp: 149677

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	146.6
176	72.9	0.0	139.6



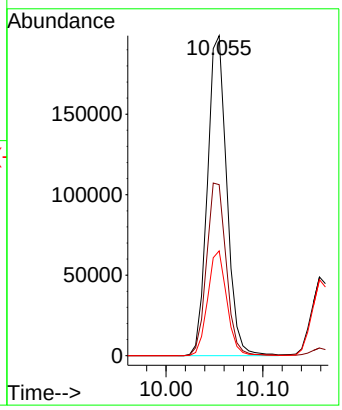


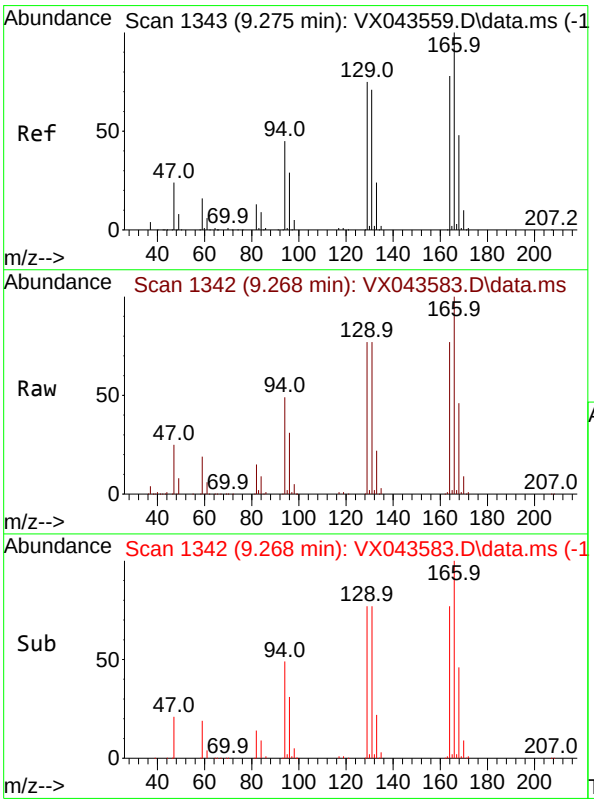
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 277122

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.7	25.4	38.2

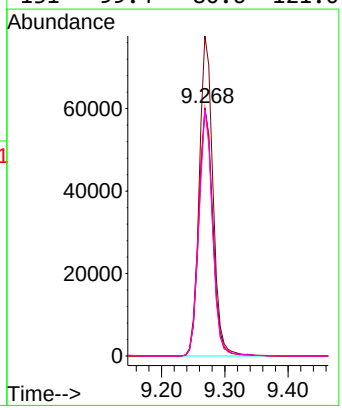


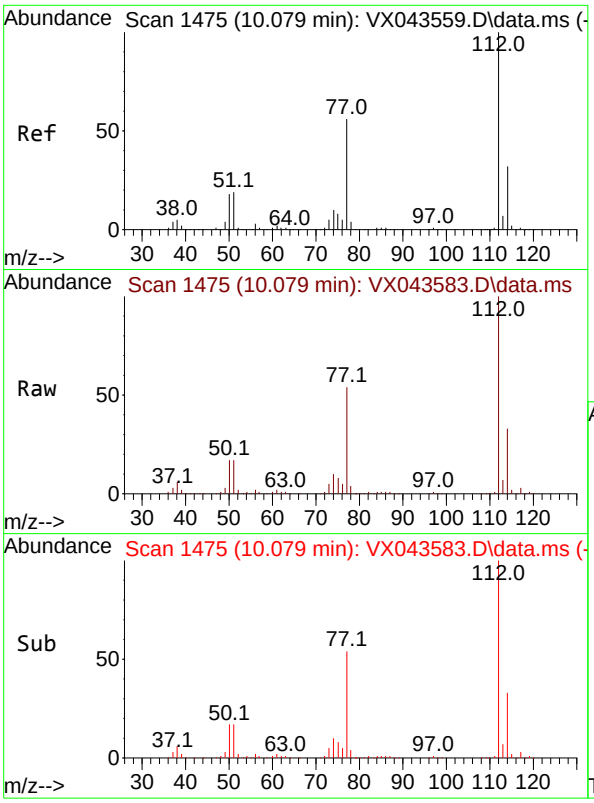


#64
Tetrachloroethene
Concen: 52.901 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:164 Resp: 92204

Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.8	155.6
129	100.0	83.8	125.6
131	99.4	80.6	121.0



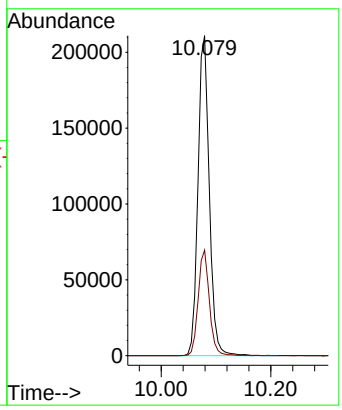


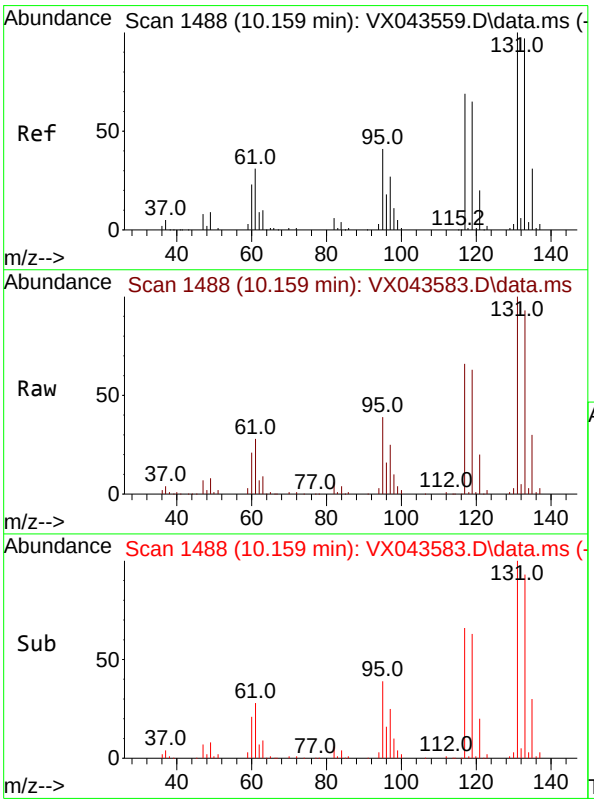
#65
Chlorobenzene
Concen: 50.750 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 302575

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

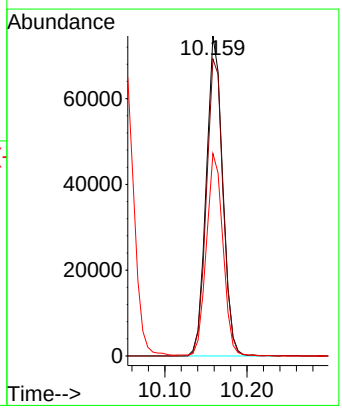


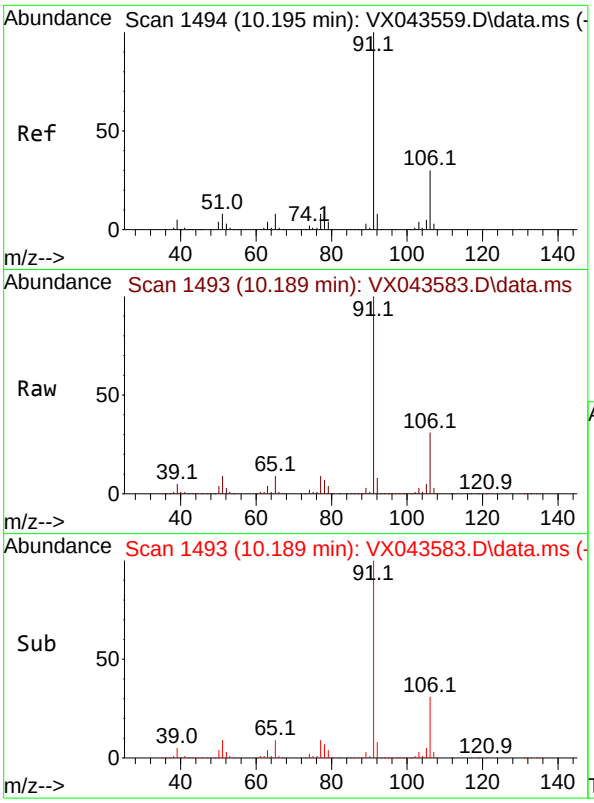


#66
1,1,1,2-Tetrachloroethane
Concen: 53.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:131 Resp: 103710

Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.0
119	63.8	32.3	96.9



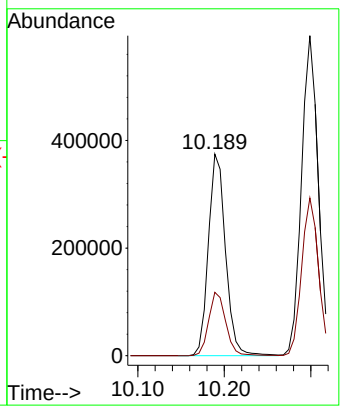


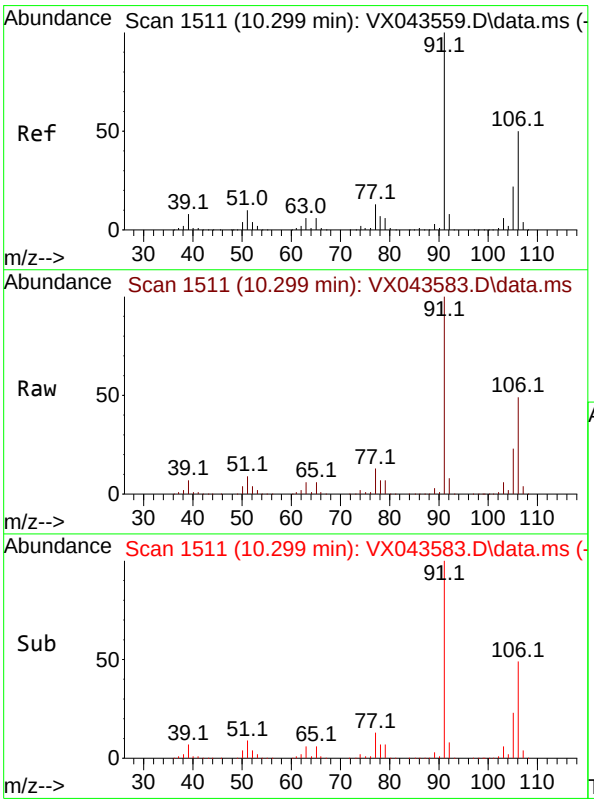
#67
Ethyl Benzene
Concen: 53.028 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 515530

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2

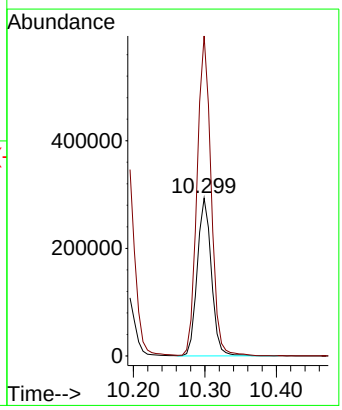


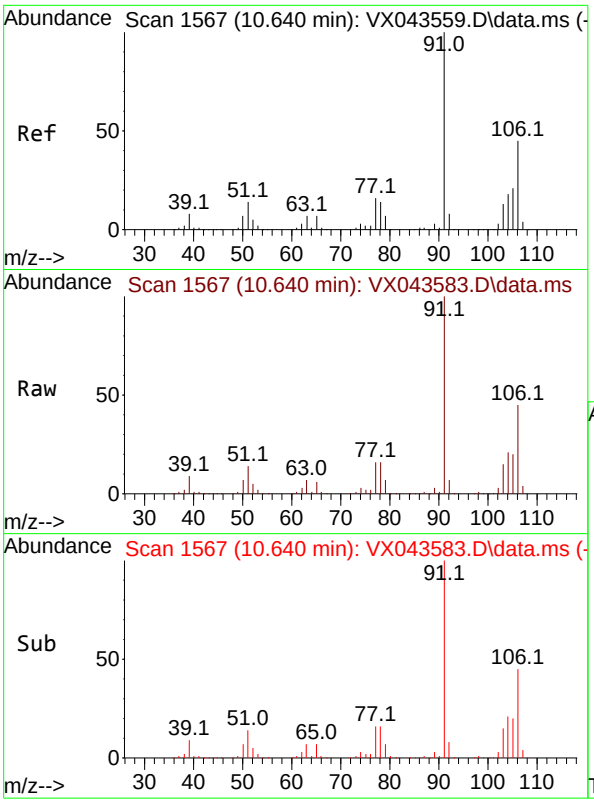


#68
m/p-Xylenes
Concen: 108.089 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:106 Resp: 401855

Ion	Ratio	Lower	Upper
106	100		
91	201.4	164.7	247.1



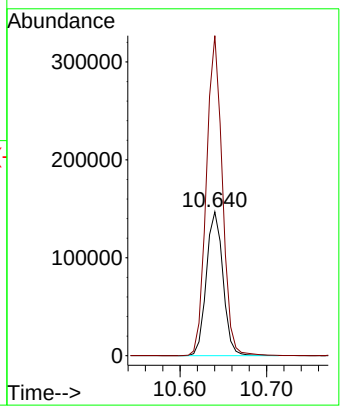


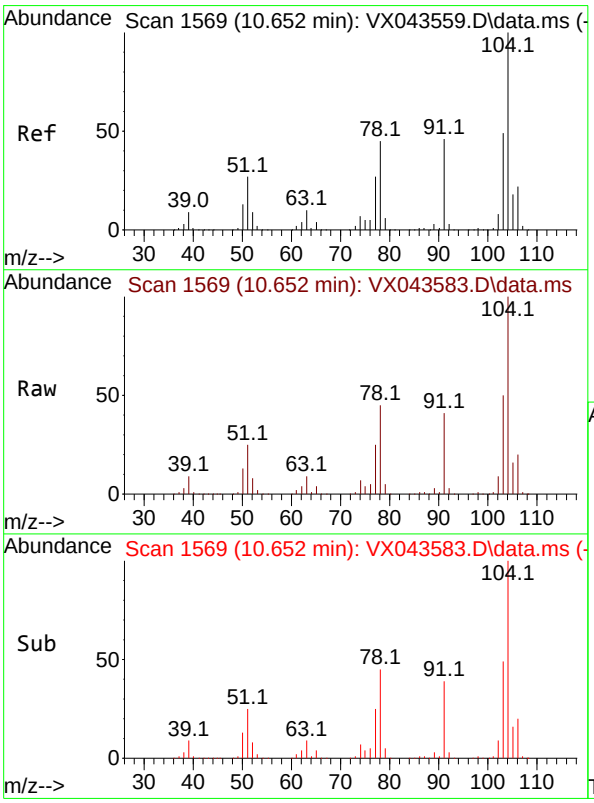
#69
o-Xylene
Concen: 52.523 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 196198

Ion	Ratio	Lower	Upper
106	100		
91	213.5	107.9	323.7

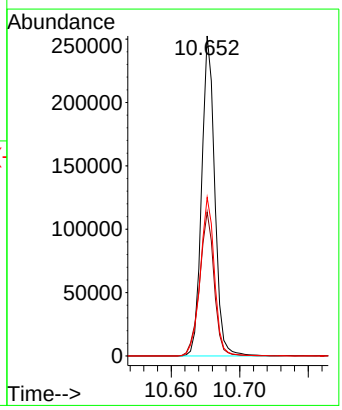


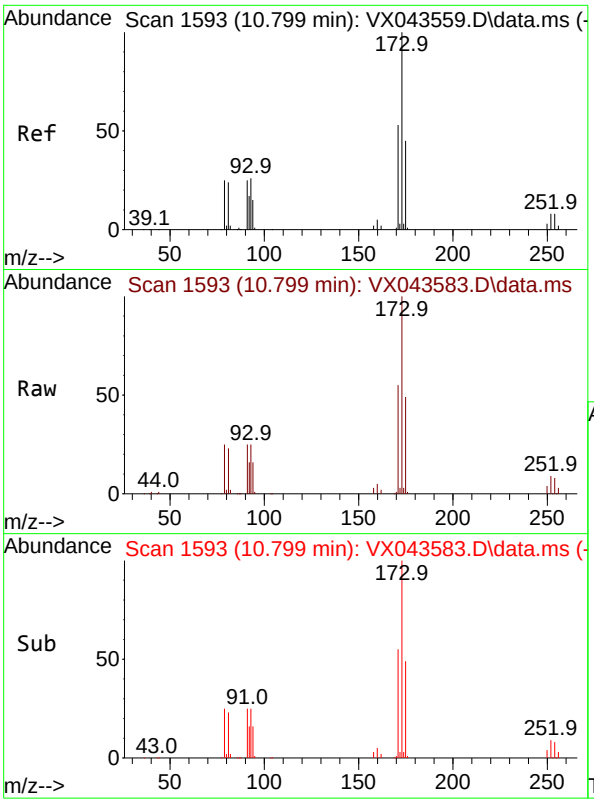


#70
Styrene
Concen: 54.130 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:104 Resp: 336072

Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.0	60.0
103	53.8	43.4	65.0



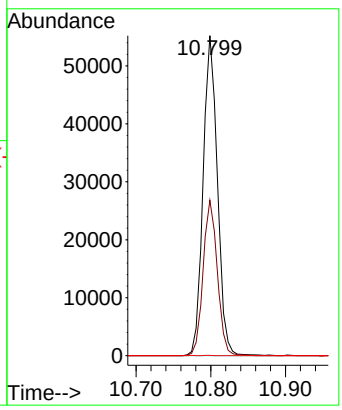


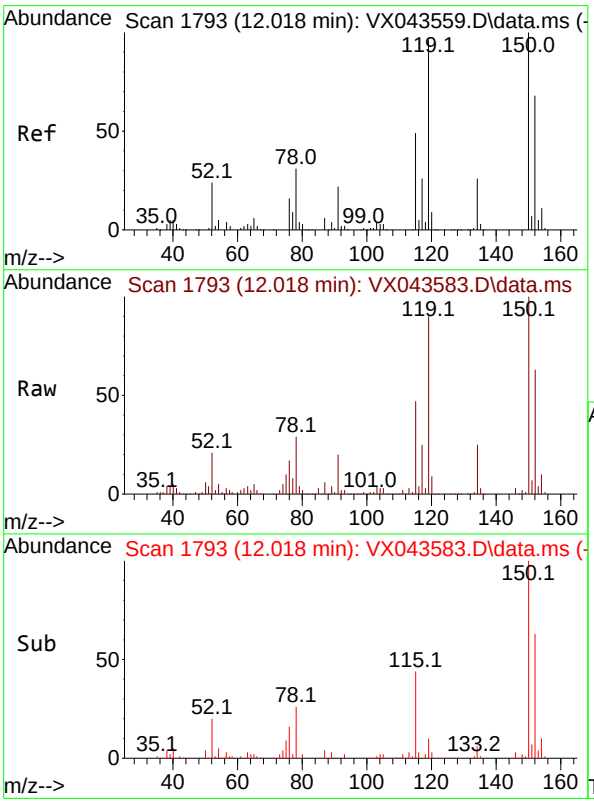
#71
Bromoform
Concen: 52.407 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 73381

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.3	69.9
254	0.1	0.0	0.0#

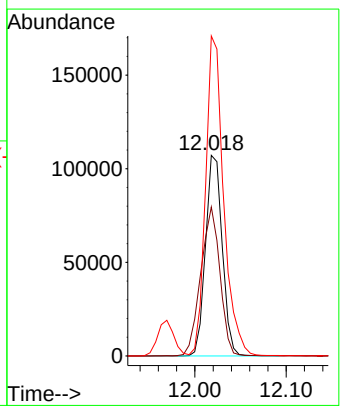


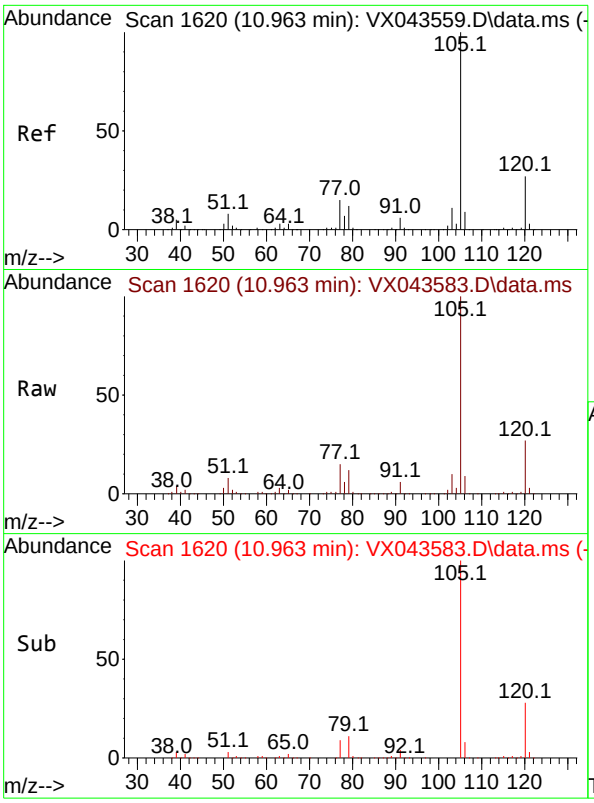


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:152 Resp: 136145

Ion	Ratio	Lower	Upper
152	100		
115	85.2	42.9	128.7
150	171.6	0.0	343.6



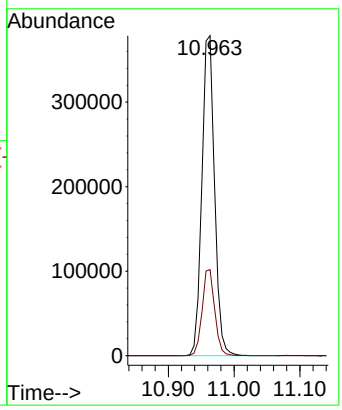


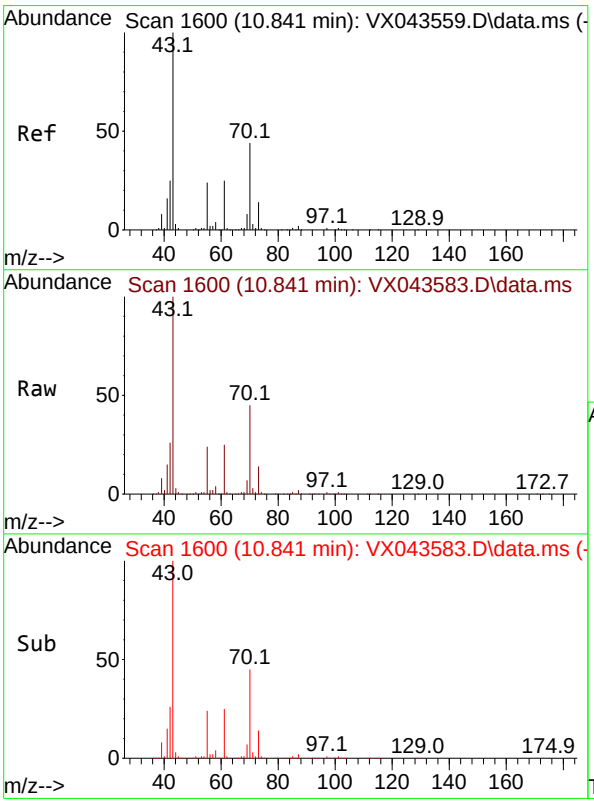
#73
Isopropylbenzene
Concen: 52.592 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 507198

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

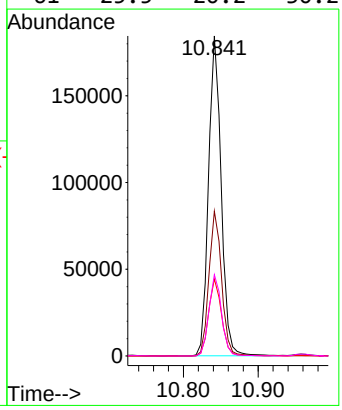


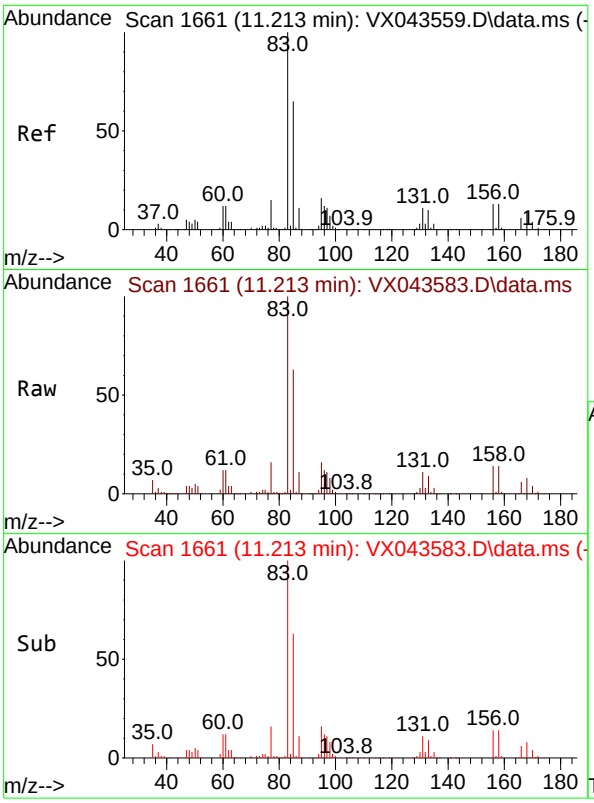


#74
N-amyl acetate
Concen: 46.083 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 43 Resp: 216499

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.6	52.0
55	24.7	19.6	29.4
61	25.5	20.2	30.2



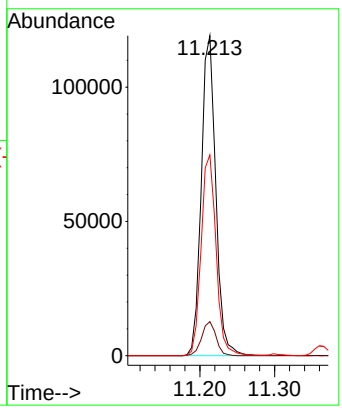


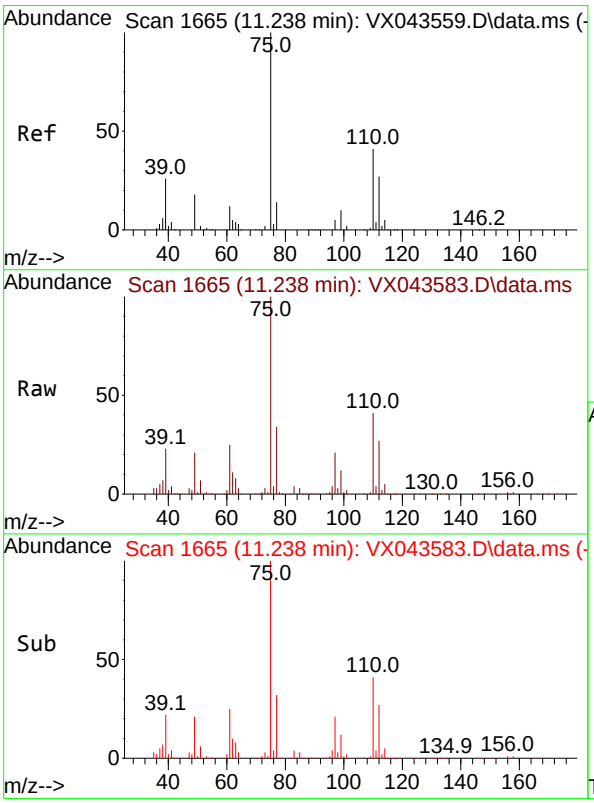
#75
1,1,2,2-Tetrachloroethane
Concen: 46.182 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 160157

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.6	32.4	97.0

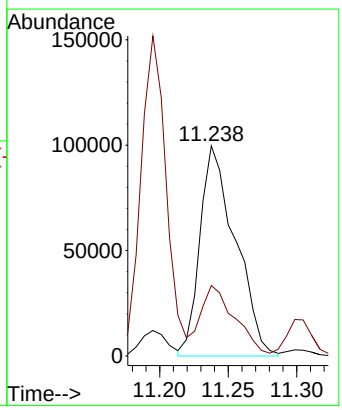


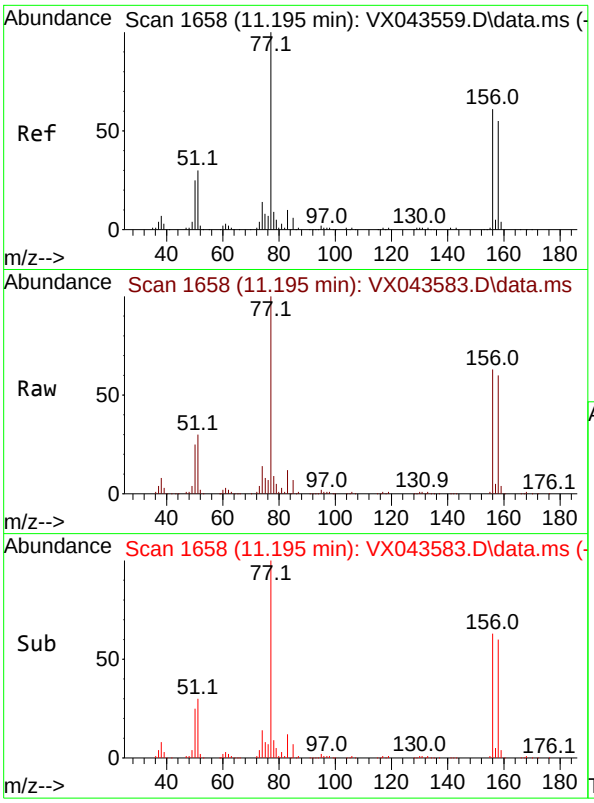


#76
1,2,3-Trichloropropane
Concen: 61.804 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 179909

Ion	Ratio	Lower	Upper
75	100		
77	32.6	22.4	67.2



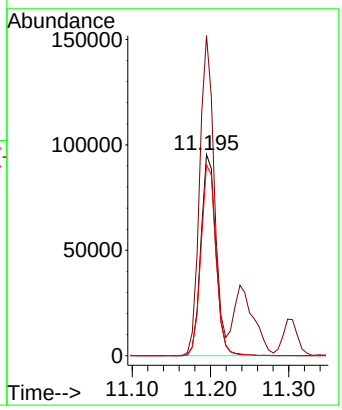


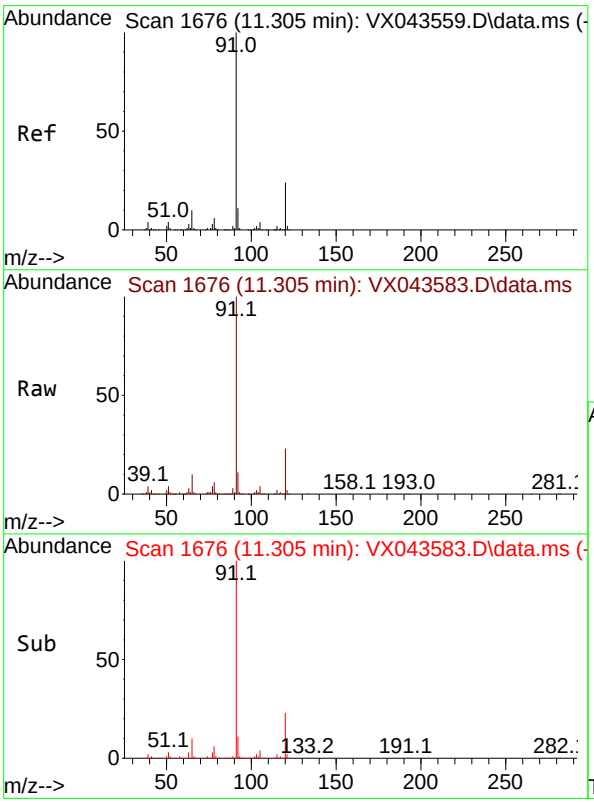
#77
Bromobenzene
Concen: 50.686 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 126219

Ion	Ratio	Lower	Upper
156	100		
77	154.9	79.7	239.1
158	95.6	48.0	144.0

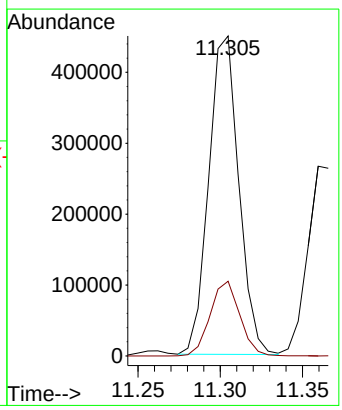


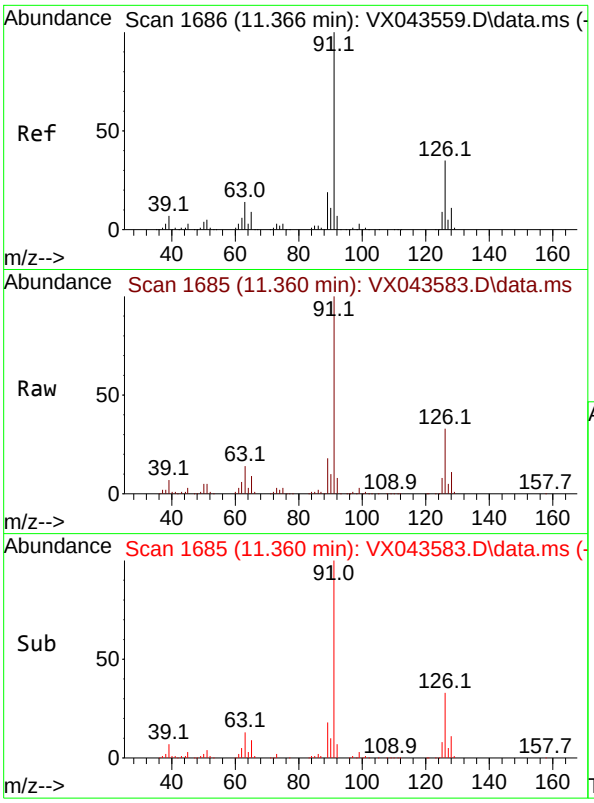


#78
n-propylbenzene
Concen: 54.356 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 91 Resp: 571565

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.7



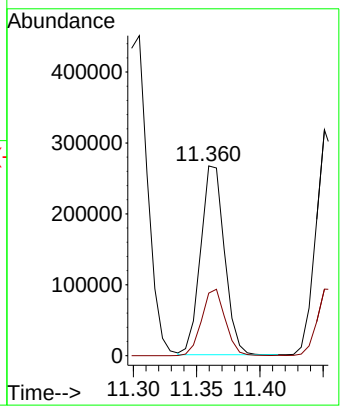


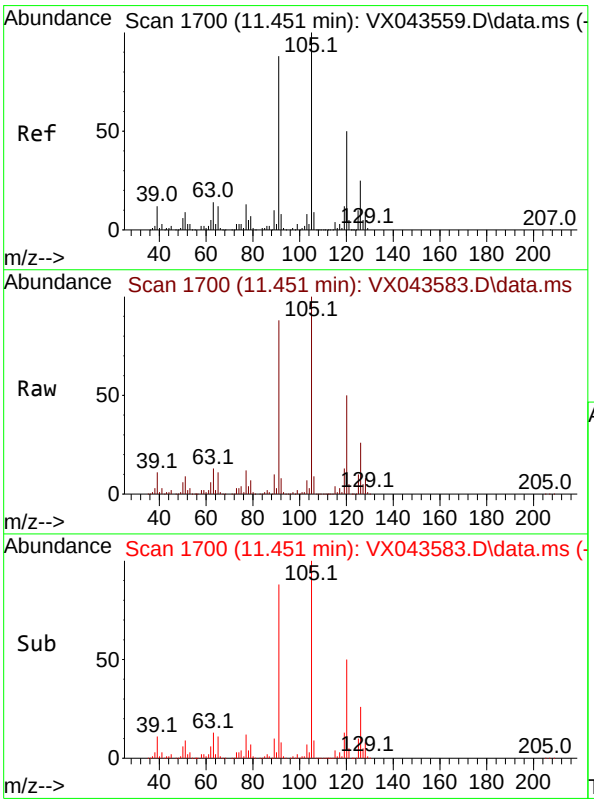
#79
2-Chlorotoluene
Concen: 50.257 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 350419

Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.7	50.0

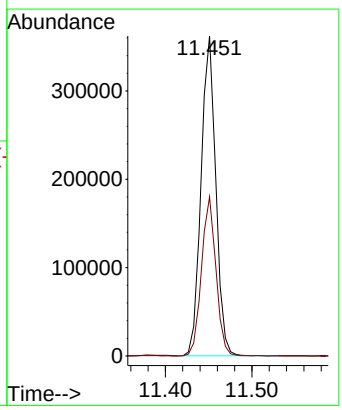


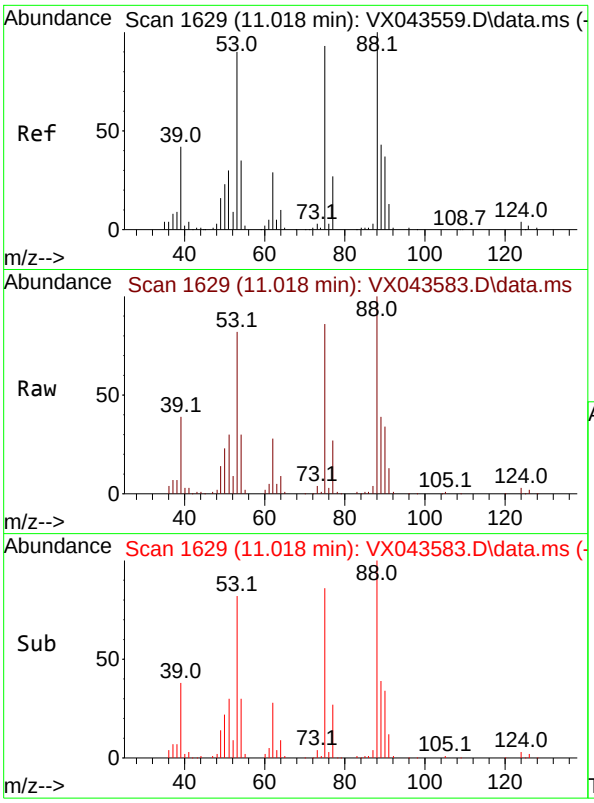


#80
1,3,5-Trimethylbenzene
Concen: 53.132 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:105 Resp: 427235

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.8	71.5



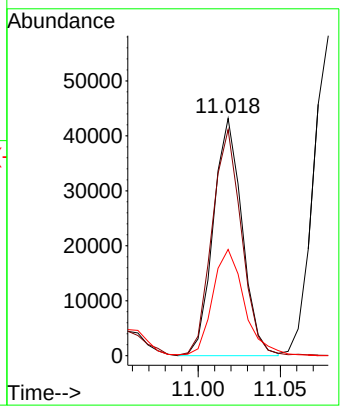


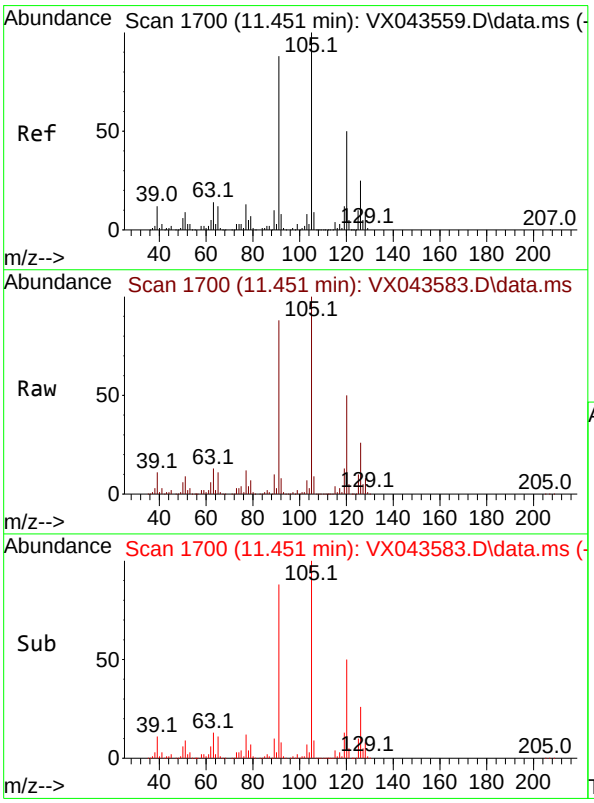
#81
trans-1,4-Dichloro-2-butene
Concen: 49.635 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 52521

Ion	Ratio	Lower	Upper
75	100		
53	97.6	84.6	126.8
89	49.5	38.6	58.0

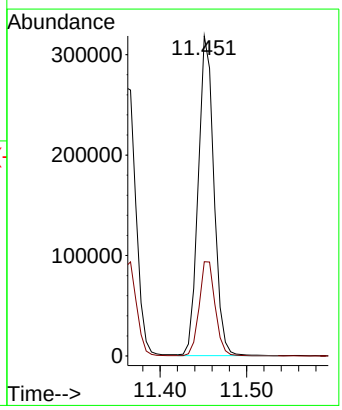


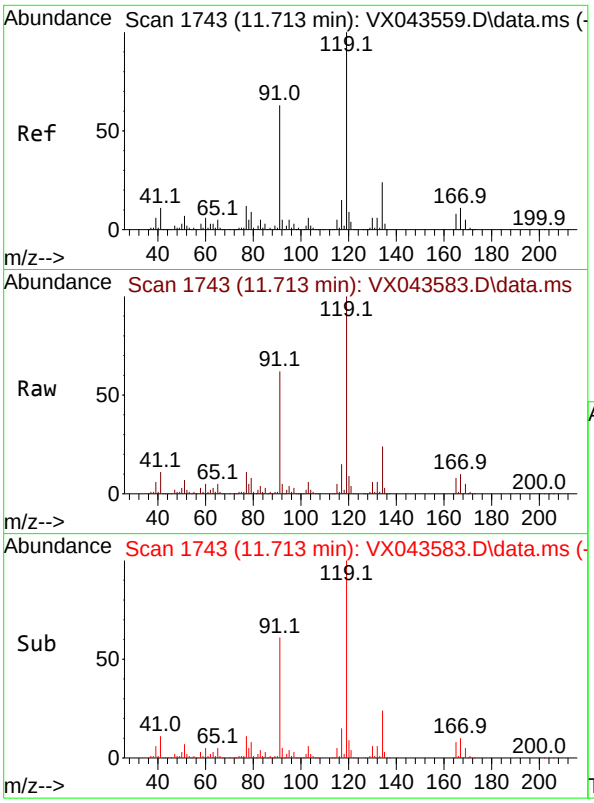


#82
4-Chlorotoluene
Concen: 51.088 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 91 Resp: 399821

Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.2	42.8



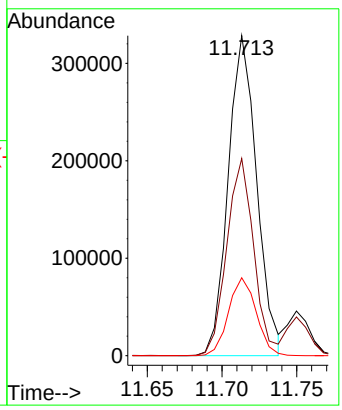


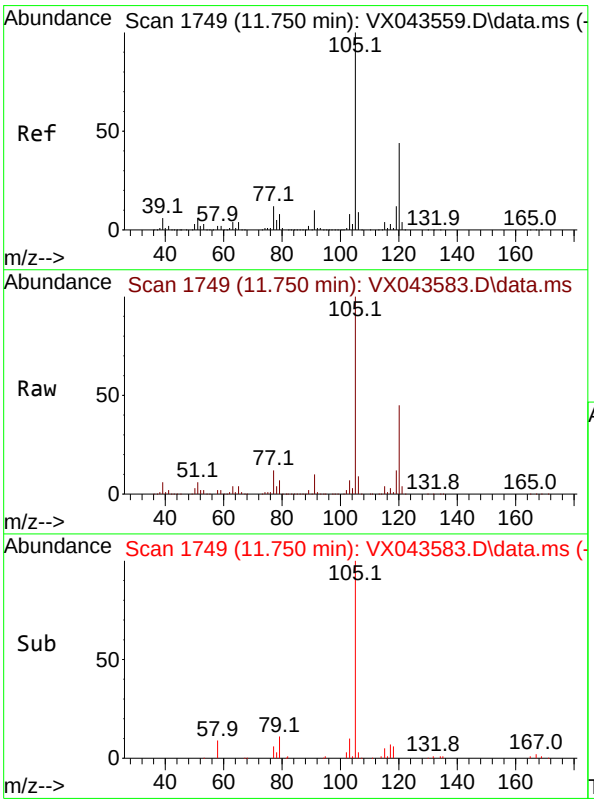
#83
tert-Butylbenzene
Concen: 53.361 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 436382

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.5	88.5
134	23.6	11.8	35.3

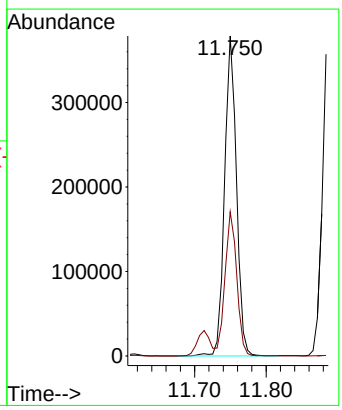


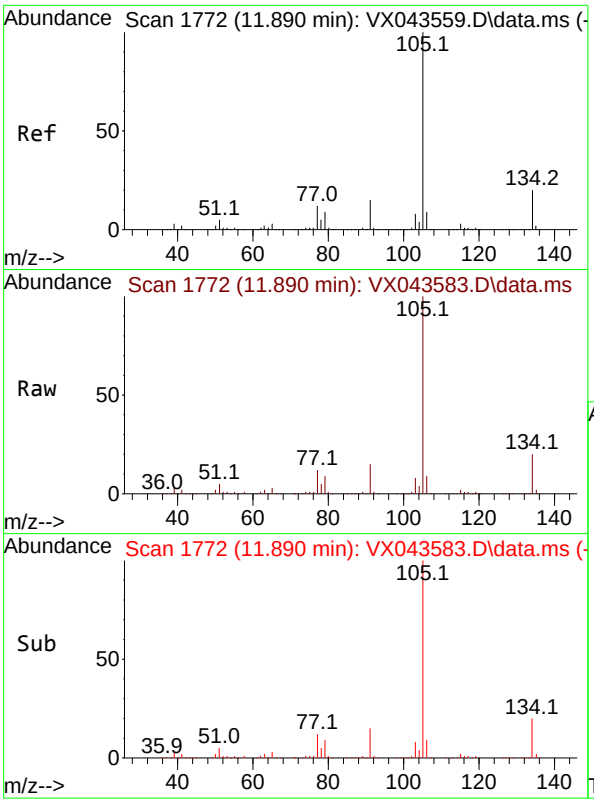


#84
1,2,4-Trimethylbenzene
Concen: 53.380 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:105 Resp: 437441

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1



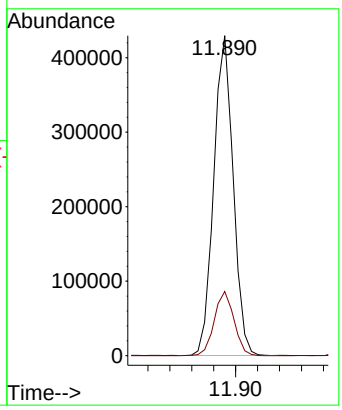


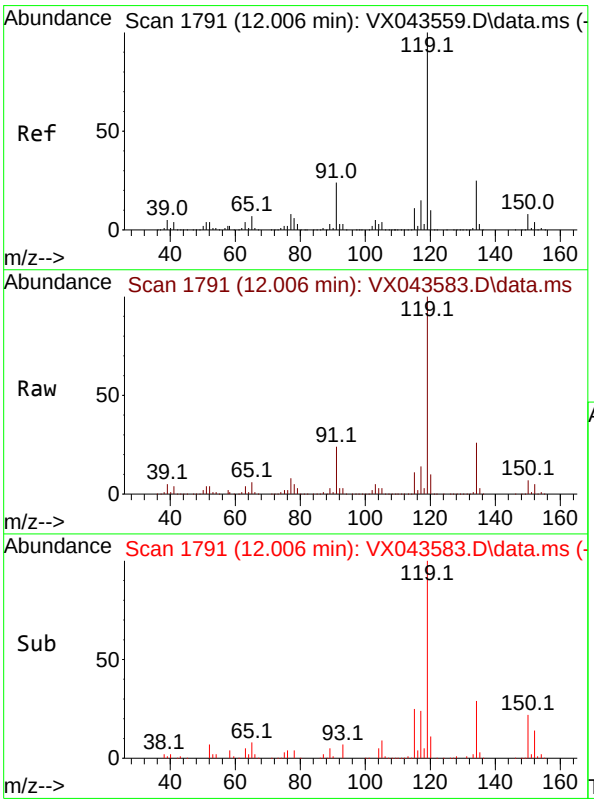
#85
sec-Butylbenzene
Concen: 55.177 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 528903

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5

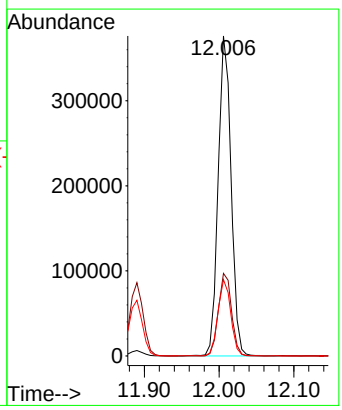


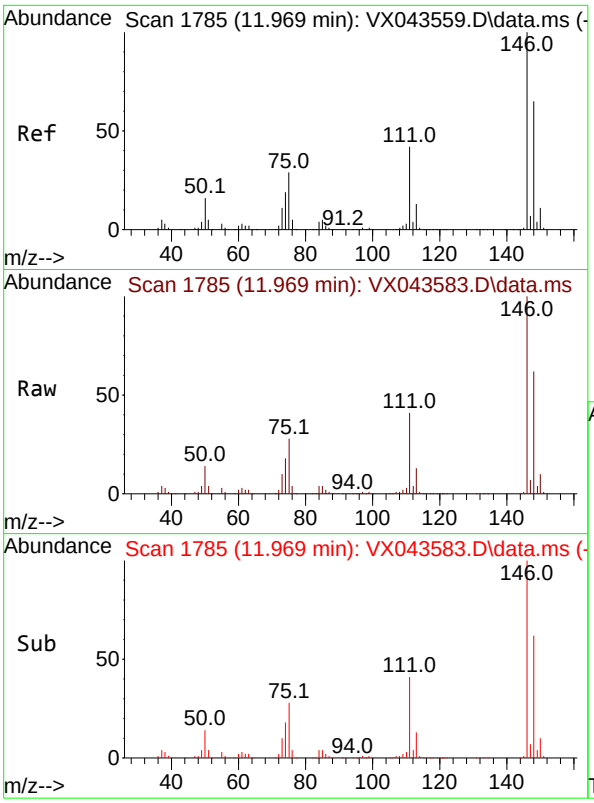


#86
p-Isopropyltoluene
Concen: 55.469 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:119 Resp: 451954

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	23.8	12.4	37.0



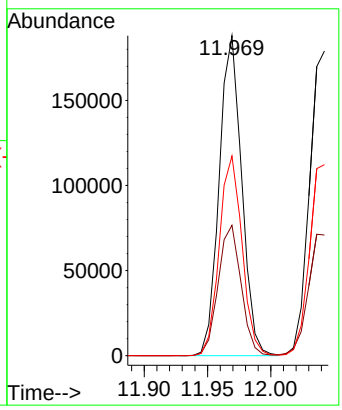


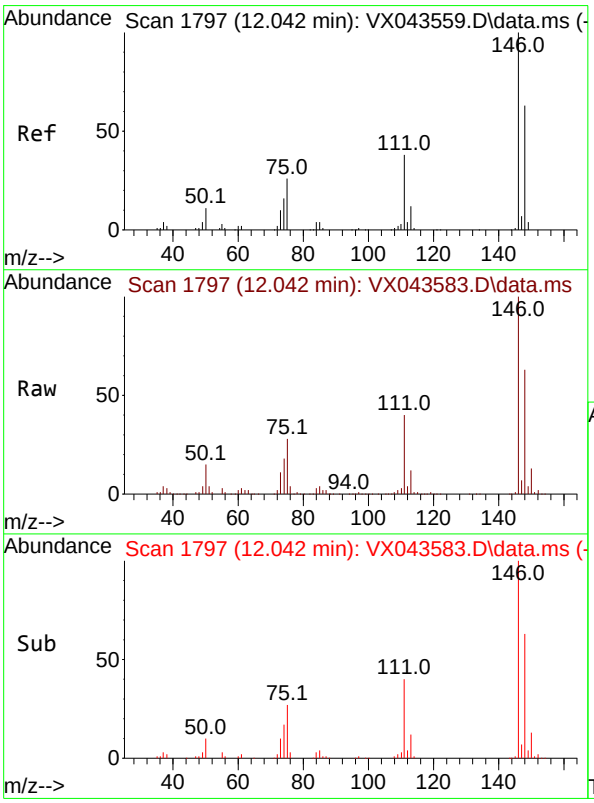
#87
1,3-Dichlorobenzene
Concen: 52.073 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 232425

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	63.3	31.6	94.8

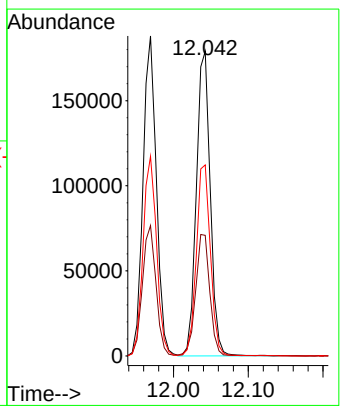


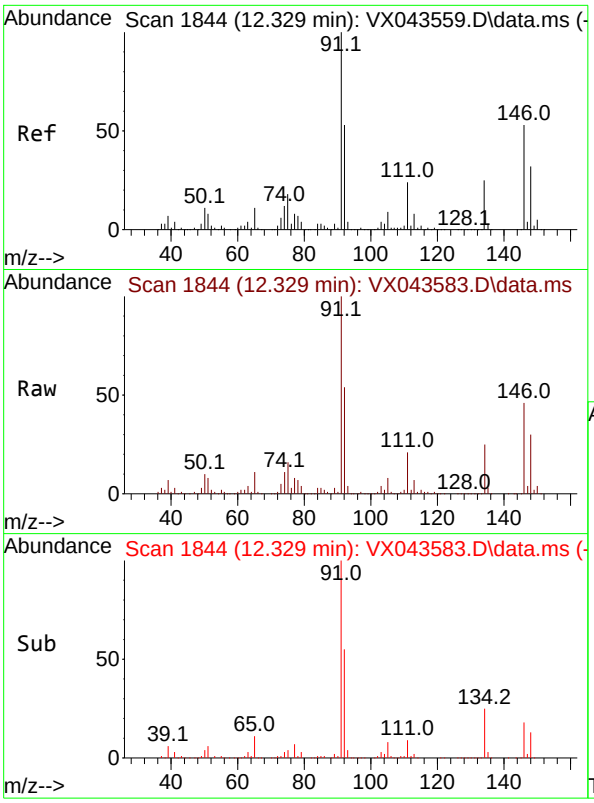


#88
1,4-Dichlorobenzene
Concen: 49.888 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:146 Resp: 230728

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	63.4	31.9	95.9



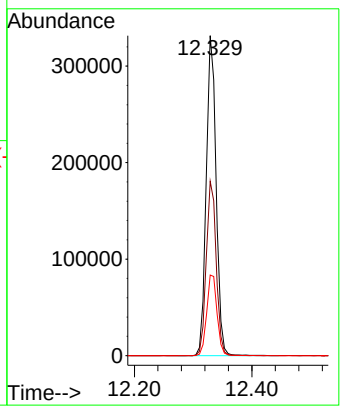


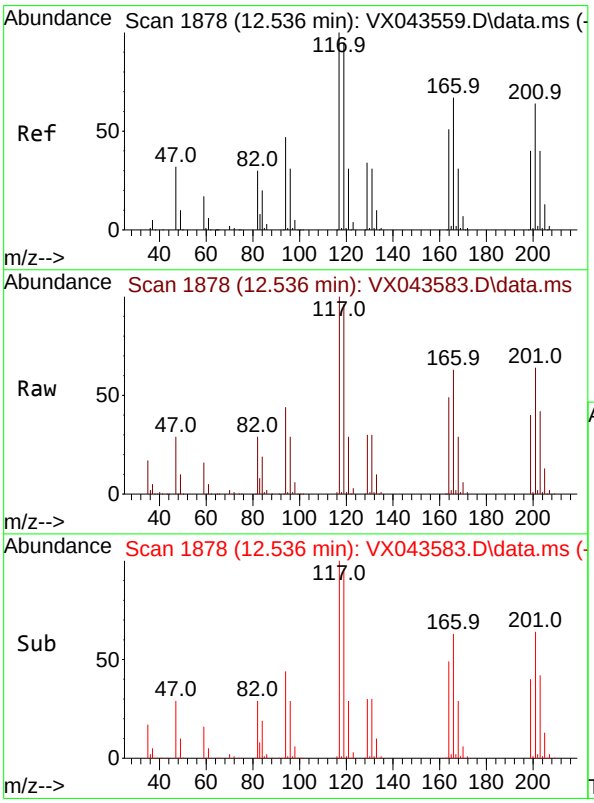
#89
n-Butylbenzene
Concen: 58.406 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 387771

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.2
134	26.4	12.9	38.6

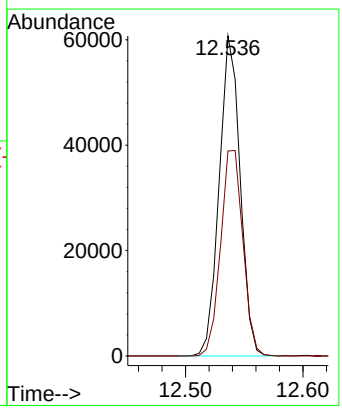


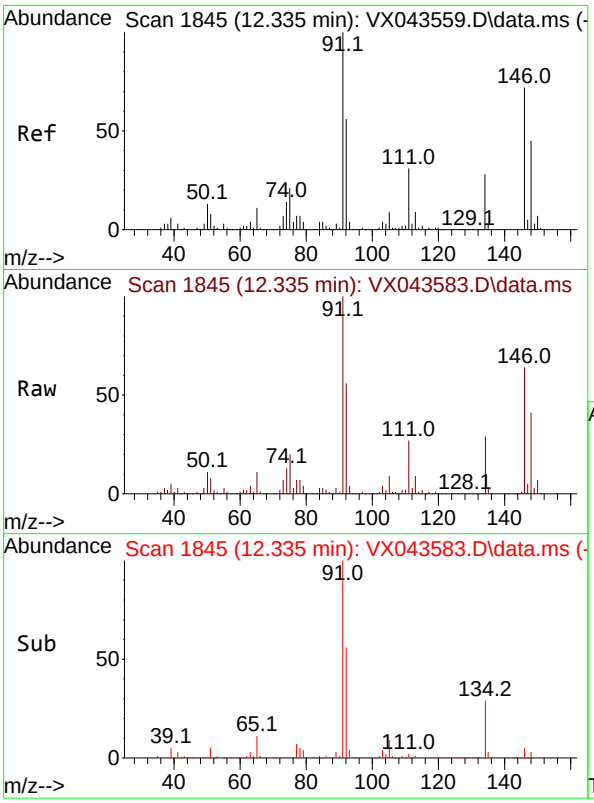


#90
Hexachloroethane
Concen: 56.903 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:117 Resp: 75311

Ion	Ratio	Lower	Upper
117	100		
201	68.4	32.9	98.7



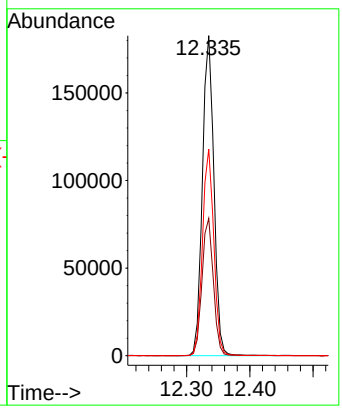


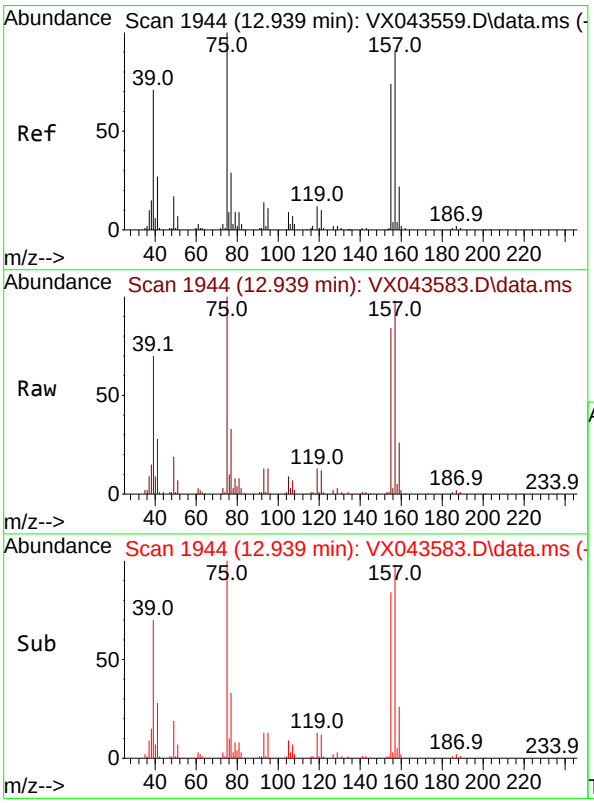
#91
1,2-Dichlorobenzene
Concen: 50.664 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 231234

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.6
148	63.7	31.6	95.0

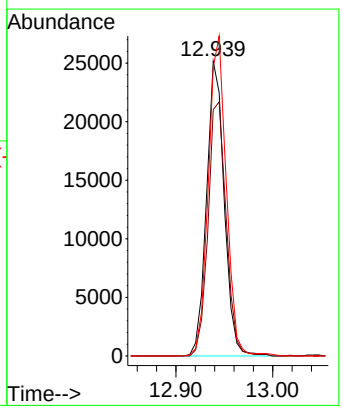


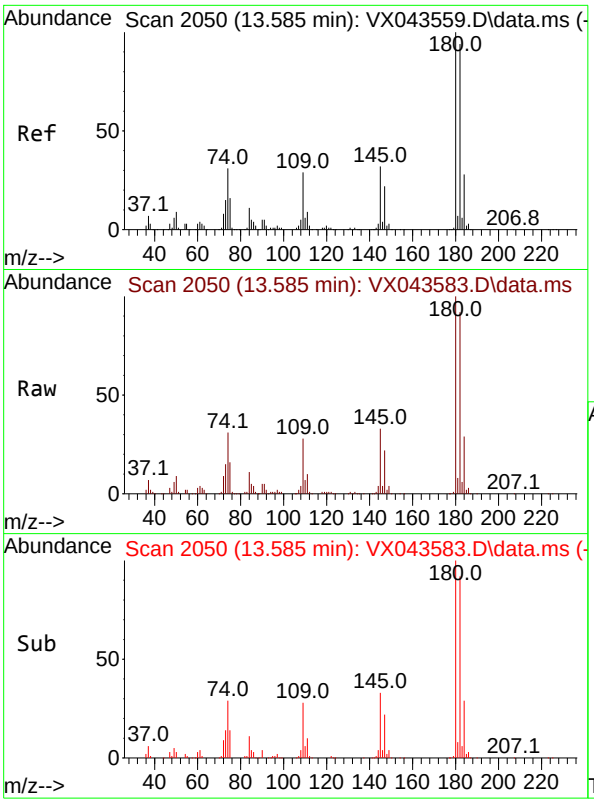


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.194 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion: 75 Resp: 31951

Ion	Ratio	Lower	Upper
75	100		
155	88.6	40.1	120.3
157	110.4	50.8	152.4



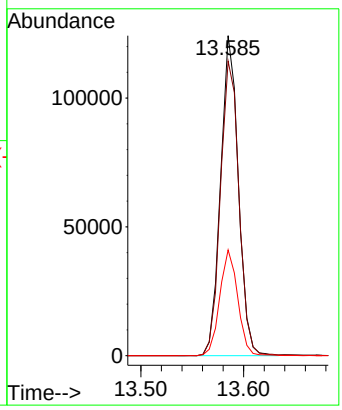


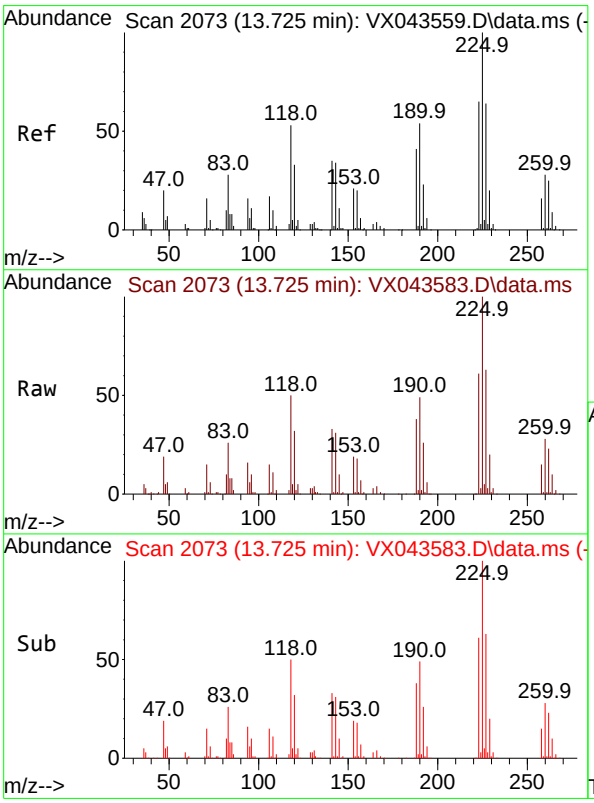
#93
1,2,4-Trichlorobenzene
Concen: 53.771 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 148966

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.8	140.4
145	33.5	16.1	48.3

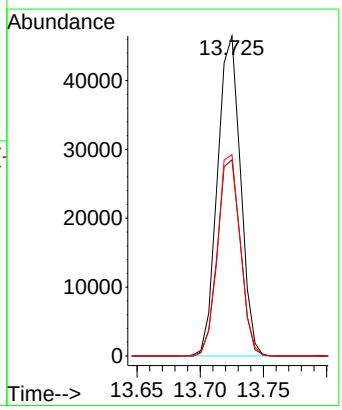


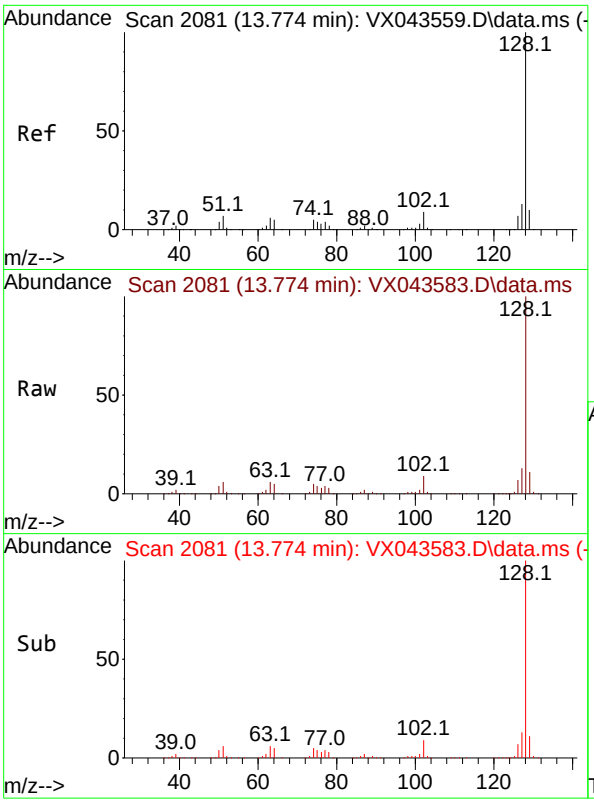


#94
Hexachlorobutadiene
Concen: 57.574 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:225 Resp: 58808

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.8	92.4
227	62.1	31.6	94.8



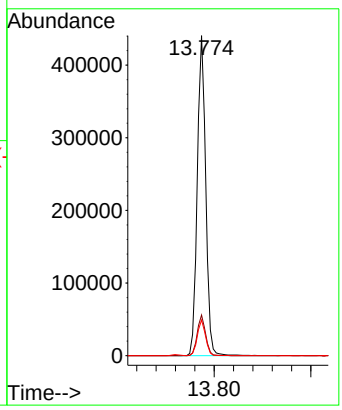


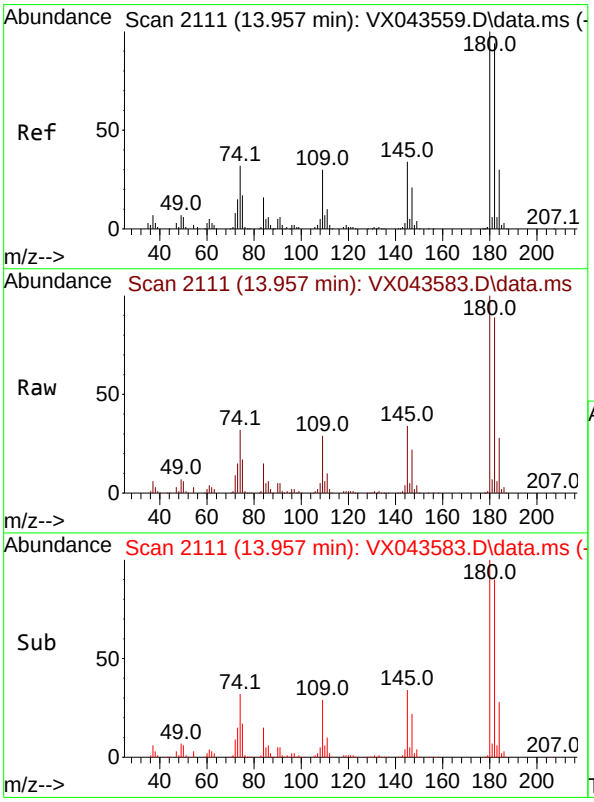
#95
Naphthalene
Concen: 50.193 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 532111

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.7	13.1

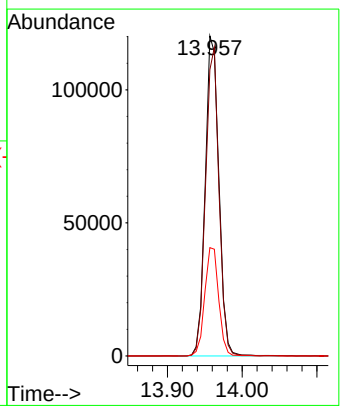




#96
1,2,3-Trichlorobenzene
Concen: 52.286 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043583.D
Acq: 29 Oct 2024 09:29

Tgt Ion:180 Resp: 152724

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.1	141.3
145	34.6	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	202431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	352202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	142936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135908	42.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.220%		
35) Dibromofluoromethane	5.379	113	111394	46.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.280%		
50) Toluene-d8	8.647	98	399169	48.283	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	144111	47.042	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	40027	18.489	ug/l	100
3) Chloromethane	1.294	50	44310	16.012	ug/l	92
4) Vinyl Chloride	1.374	62	46678	18.174	ug/l	99
5) Bromomethane	1.593	94	18192	17.375	ug/l	97
6) Chloroethane	1.660	64	13338	14.740	ug/l	98
7) Trichlorofluoromethane	1.861	101	64804	20.654	ug/l	98
8) Diethyl Ether	2.136	74	25896	17.863	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	45384	21.388	ug/l	99
10) Methyl Iodide	2.440	142	57476	18.748	ug/l	97
11) Tert butyl alcohol	3.081	59	2697	4.477	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	42035	19.385	ug/l	92
13) Acrolein	2.239	56	40906	86.821	ug/l	99
14) Allyl chloride	2.654	41	68347	18.223	ug/l	96
15) Acrylonitrile	3.068	53	115840	85.162	ug/l	99
16) Acetone	2.386	43	118332	92.319	ug/l	98
17) Carbon Disulfide	2.501	76	82388	18.170	ug/l	100
18) Methyl Acetate	2.703	43	60142	16.054	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	143107	17.354	ug/l	100
20) Methylene Chloride	2.782	84	47149	17.068	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	44262	19.321	ug/l	97
22) Diisopropyl ether	3.757	45	139725	18.024	ug/l	92
23) Vinyl Acetate	3.721	43	571697	89.264	ug/l	99
24) 1,1-Dichloroethane	3.605	63	79799	17.909	ug/l	98
25) 2-Butanone	4.556	43	160914	86.062	ug/l	99
26) 2,2-Dichloropropane	4.465	77	72610	19.908	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	53987	18.448	ug/l	99
28) Bromochloromethane	4.891	49	37071	17.489	ug/l	96
29) Tetrahydrofuran	5.007	42	100228	82.487	ug/l	98
30) Chloroform	5.086	83	84330	18.055	ug/l	99
31) Cyclohexane	5.458	56	69310	20.338	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	76151	19.420	ug/l	99
36) 1,1-Dichloropropene	5.684	75	56285	19.875	ug/l	98
37) Ethyl Acetate	4.714	43	60171	17.501	ug/l	98
38) Carbon Tetrachloride	5.666	117	62906	20.104	ug/l	97
39) Methylcyclohexane	7.373	83	75030	21.340	ug/l	99
40) Benzene	6.031	78	178716	18.917	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	33159	18.374	ug/l		97
42) 1,2-Dichloroethane	6.080	62	62263	18.332	ug/l		99
43) Isopropyl Acetate	6.336	43	100112	17.607	ug/l		100
44) Trichloroethene	7.123	130	46116	19.649	ug/l		95
45) 1,2-Dichloropropane	7.427	63	42277	18.174	ug/l		100
46) Dibromomethane	7.580	93	32080	17.910	ug/l		96
47) Bromodichloromethane	7.818	83	57532	18.310	ug/l		99
48) Methyl methacrylate	7.696	41	48326	17.927	ug/l		98
49) 1,4-Dioxane	7.671	88	23130	417.634	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	312558	90.192	ug/l		99
52) Toluene	8.714	92	113851	19.871	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	59568	17.650	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	70181	19.517	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	44829	18.797	ug/l		93
56) Ethyl methacrylate	9.116	69	69497	17.934	ug/l		98
57) 1,3-Dichloropropane	9.305	76	74400	18.757	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	172110	91.703	ug/l		99
59) 2-Hexanone	9.433	43	240151	91.242	ug/l		100
60) Dibromochloromethane	9.518	129	44184	18.709	ug/l		98
61) 1,2-Dibromoethane	9.610	107	45897	18.539	ug/l		96
64) Tetrachloroethene	9.269	164	39340	21.213	ug/l		98
65) Chlorobenzene	10.079	112	123286	19.435	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	40788	19.685	ug/l		99
67) Ethyl Benzene	10.195	91	209043	20.209	ug/l		100
68) m/p-Xylenes	10.299	106	160547	40.586	ug/l		99
69) o-Xylene	10.640	106	79997	20.128	ug/l		99
70) Styrene	10.652	104	133590	20.223	ug/l		99
71) Bromoform	10.799	173	26501	17.788	ug/l	#	96
73) Isopropylbenzene	10.963	105	207962	20.539	ug/l		100
74) N-amyl acetate	10.841	43	89068	18.058	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	67422	18.518	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	70406	23.037	ug/l		85
77) Bromobenzene	11.195	156	50119	19.170	ug/l		99
78) n-propylbenzene	11.305	91	227750	20.630	ug/l		99
79) 2-Chlorotoluene	11.360	91	143898	19.657	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	171034	20.260	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	19932	17.942	ug/l		96
82) 4-Chlorotoluene	11.451	91	162418	19.767	ug/l		96
83) tert-Butylbenzene	11.713	119	176326	20.537	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	176438	20.508	ug/l		99
85) sec-Butylbenzene	11.890	105	214438	21.308	ug/l		100
86) p-Isopropyltoluene	12.006	119	180325	21.080	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	92275	19.691	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	93923	19.343	ug/l		99
89) n-Butylbenzene	12.329	91	148112	21.249	ug/l		99
90) Hexachloroethane	12.536	117	28082	20.210	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	92312	19.265	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	16.540	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	55722	19.158	ug/l		98
94) Hexachlorobutadiene	13.725	225	22819	21.279	ug/l		98
95) Naphthalene	13.774	128	207496	18.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	57807	18.850	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

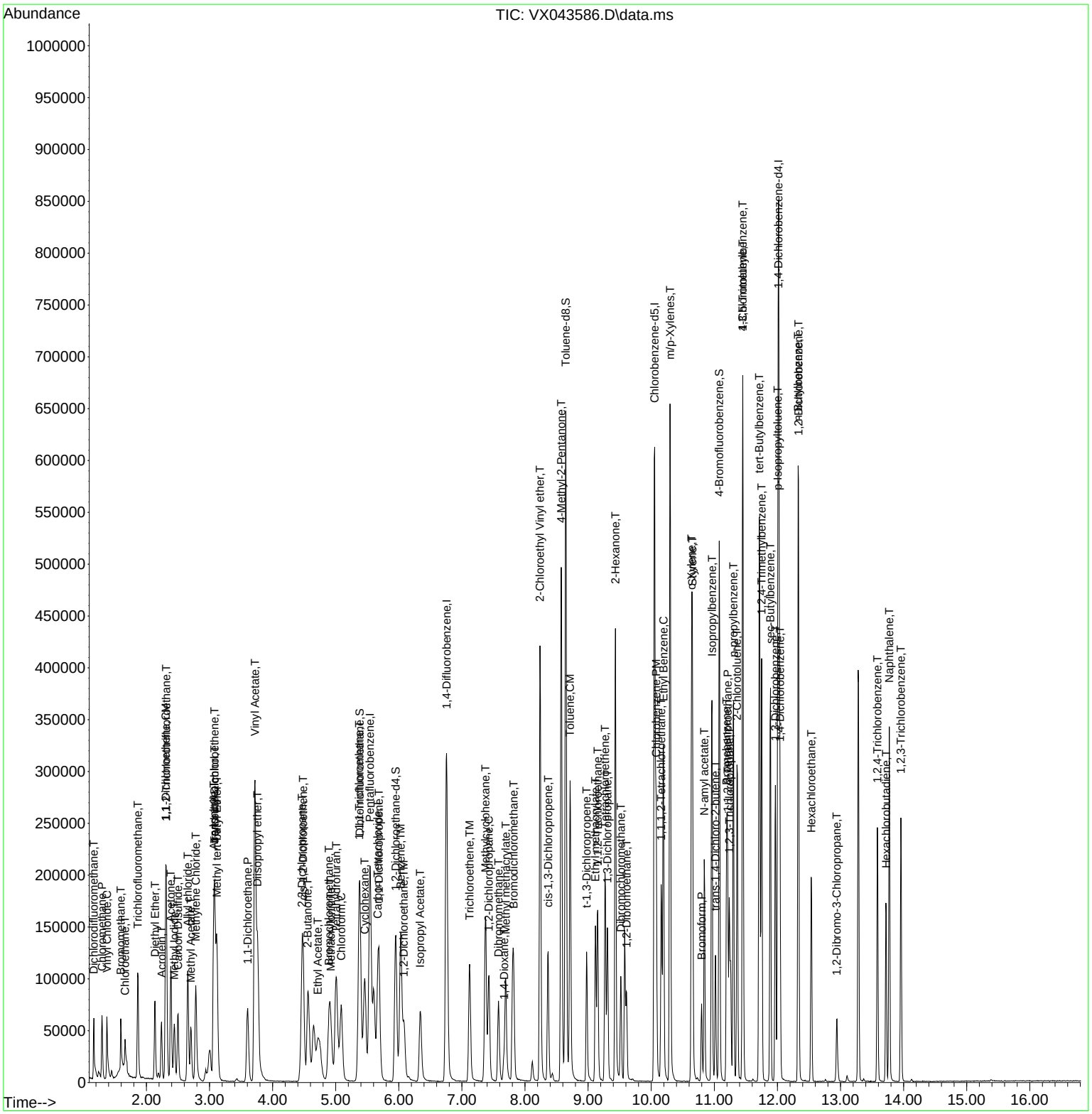
(#) = qualifier out of range (m) = manual integration (+) = signals summed

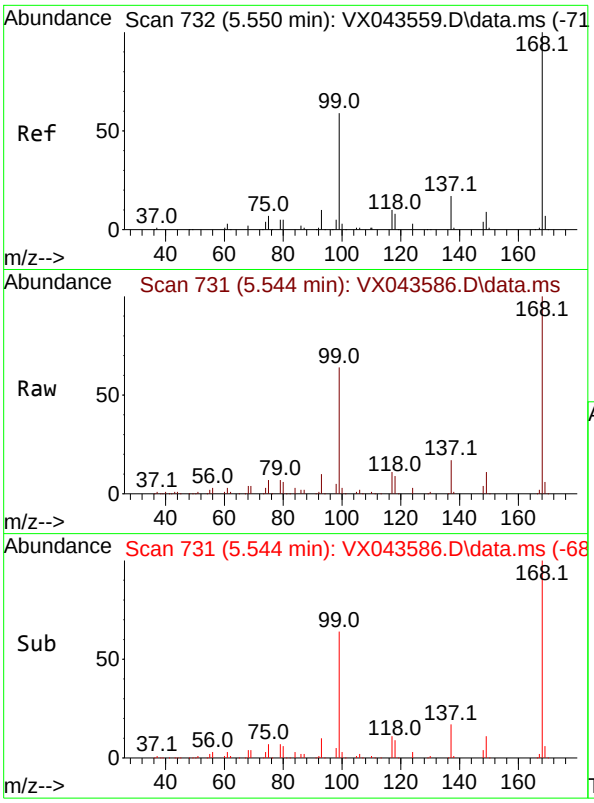
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



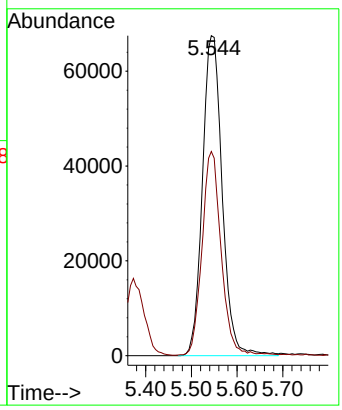


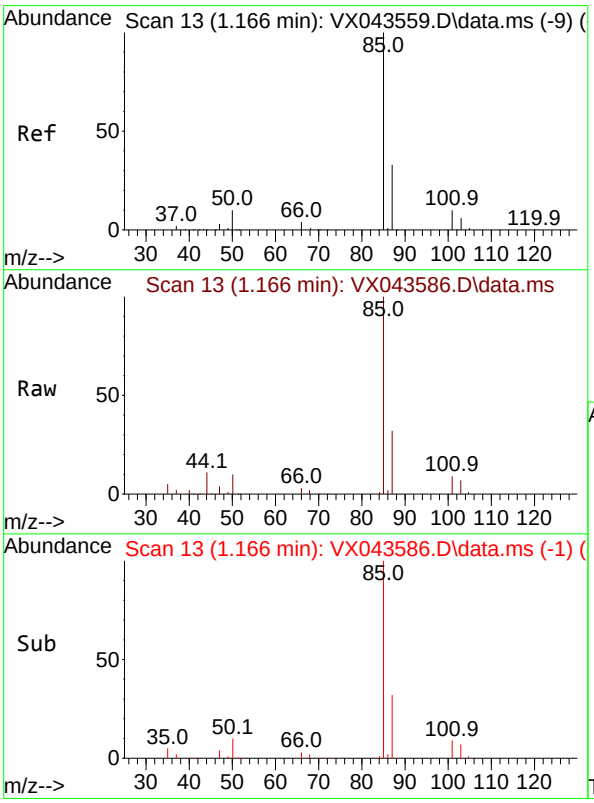
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:168 Resp: 202431

Ion	Ratio	Lower	Upper
168	100		
99	63.6	52.6	78.8

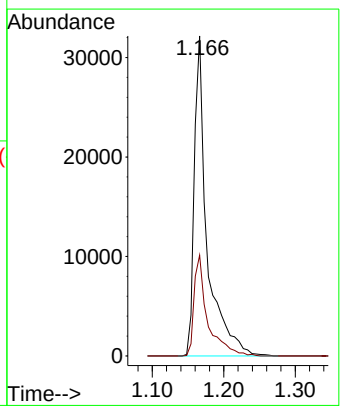


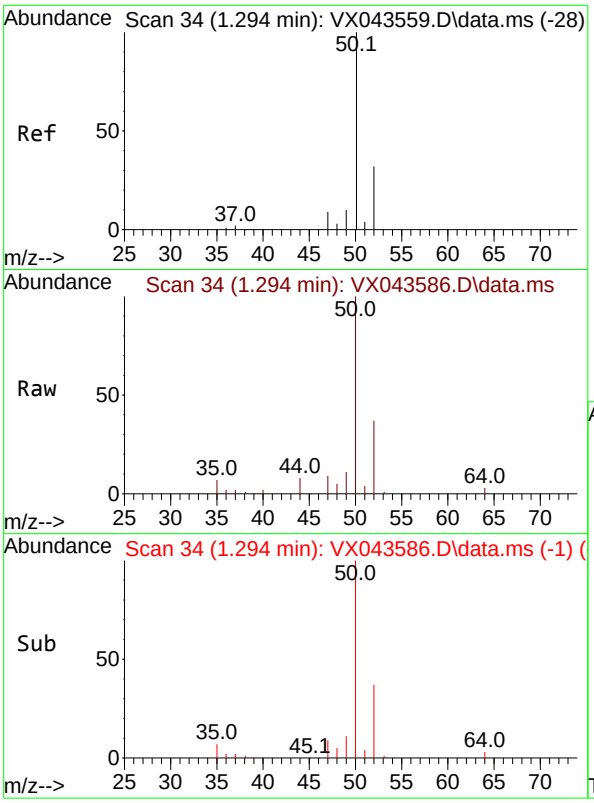


#2
Dichlorodifluoromethane
Concen: 18.489 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 85 Resp: 40027

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.7	47.0



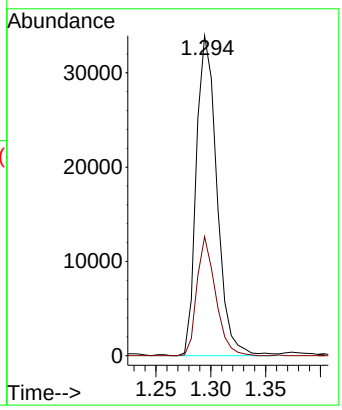


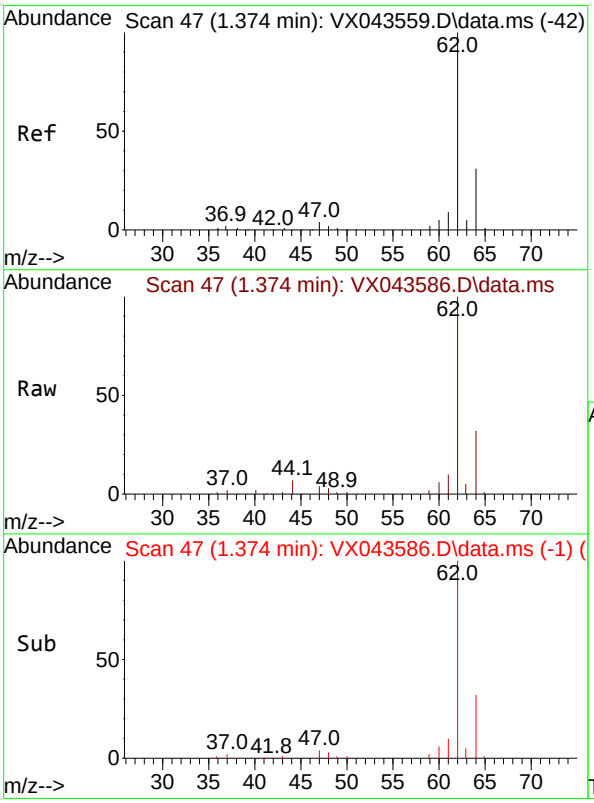
#3
Chloromethane
Concen: 16.012 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 50 Resp: 44310

Ion	Ratio	Lower	Upper
50	100		
52	37.2	26.3	39.5

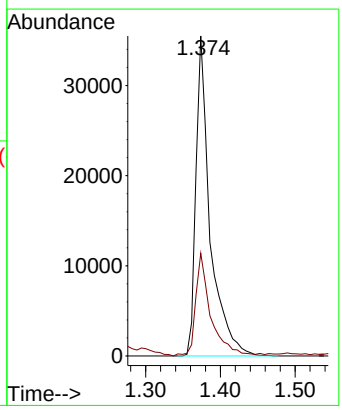


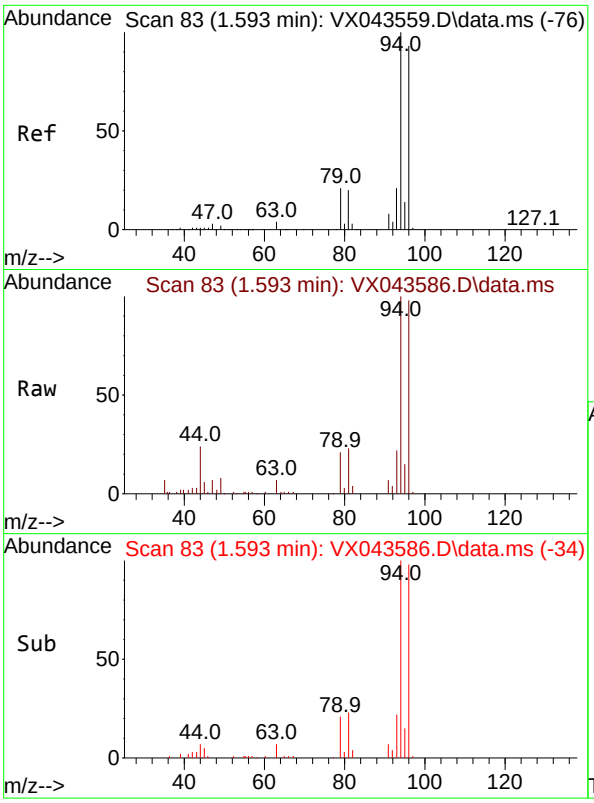


#4
Vinyl Chloride
Concen: 18.174 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 62 Resp: 46678

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.0	37.4



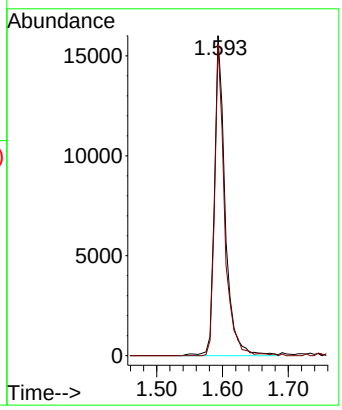


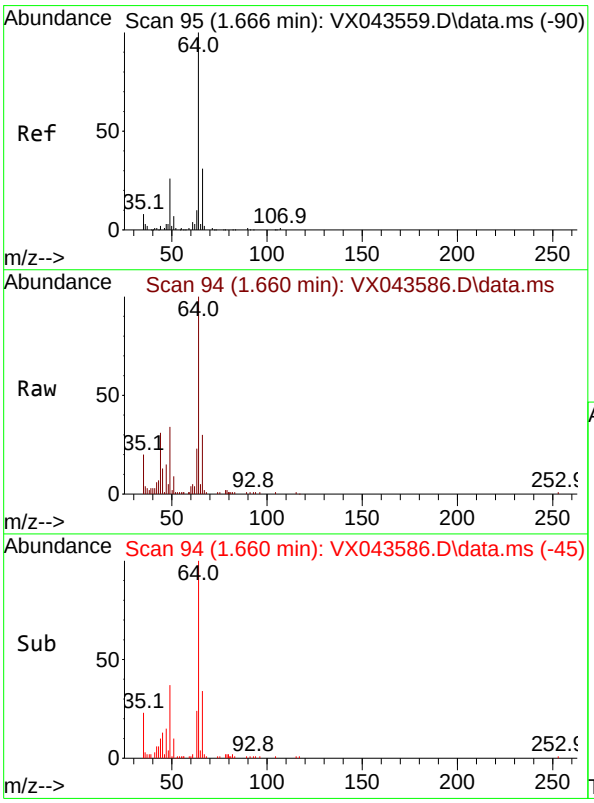
#5
Bromomethane
Concen: 17.375 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 94 Resp: 18192

Ion	Ratio	Lower	Upper
94	100		
96	97.6	75.9	113.9

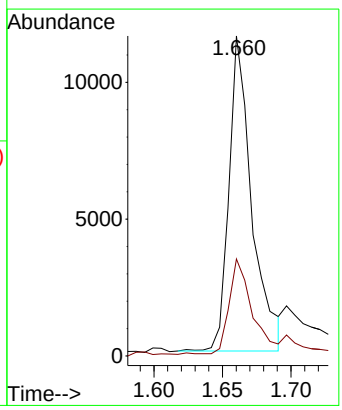


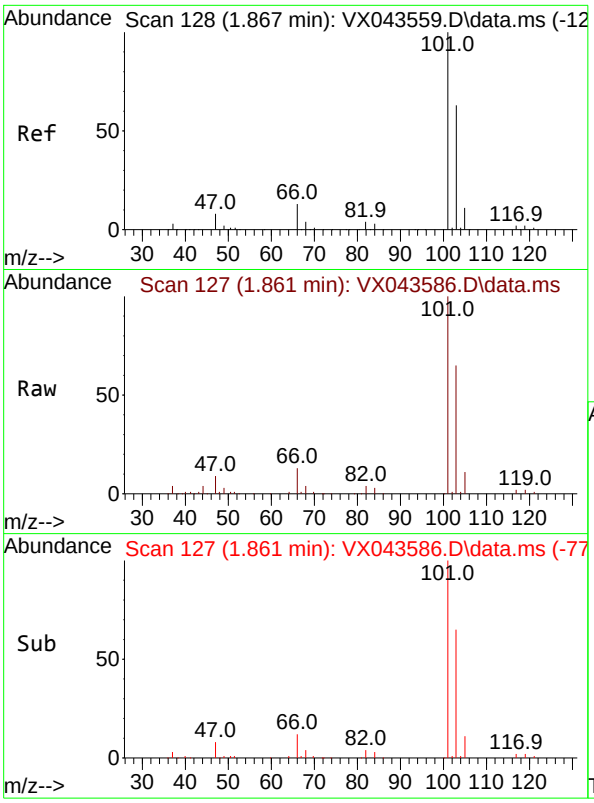


#6
Chloroethane
Concen: 14.740 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 64 Resp: 13338

Ion	Ratio	Lower	Upper
64	100		
66	30.2	25.1	37.7



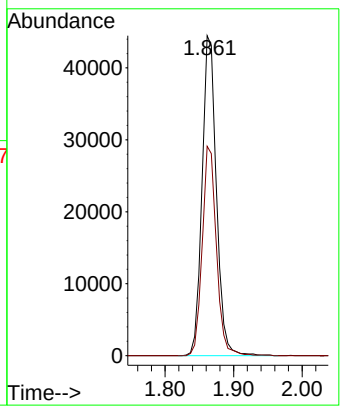


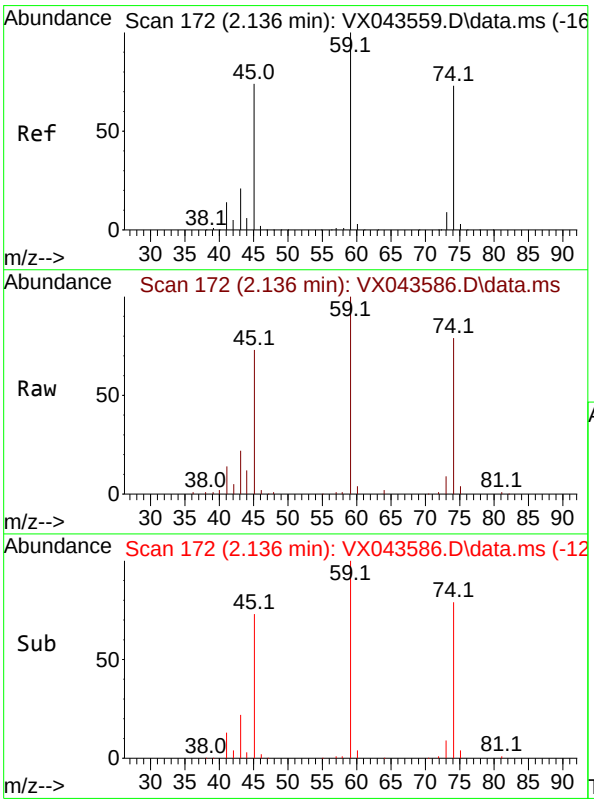
#7
Trichlorofluoromethane
Concen: 20.654 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:101 Resp: 64804

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9

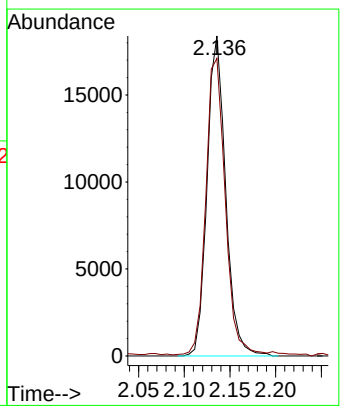


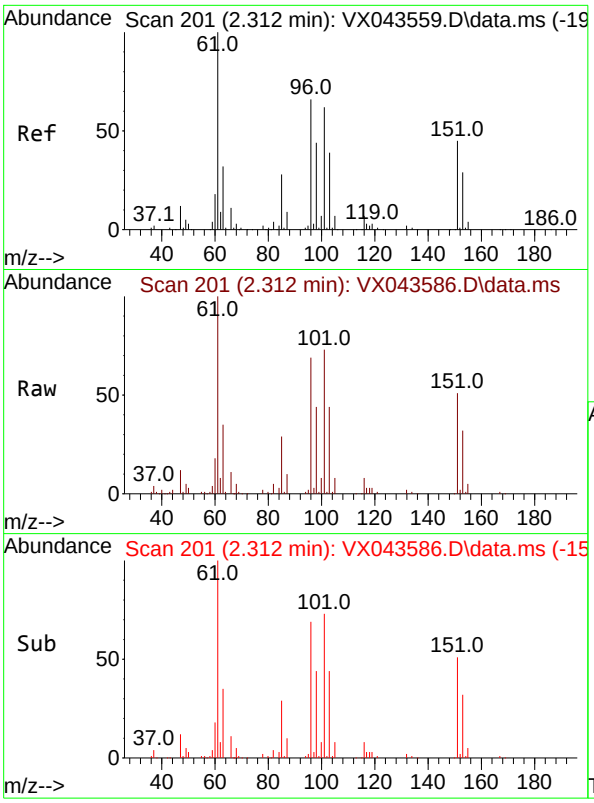


#8
Diethyl Ether
Concen: 17.863 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 74 Resp: 25896

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.5	142.5



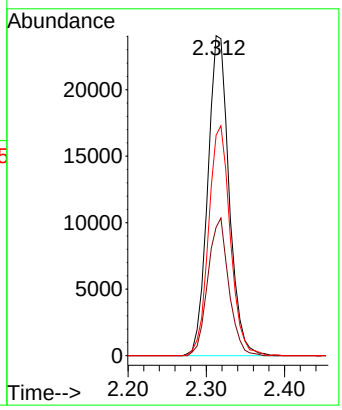


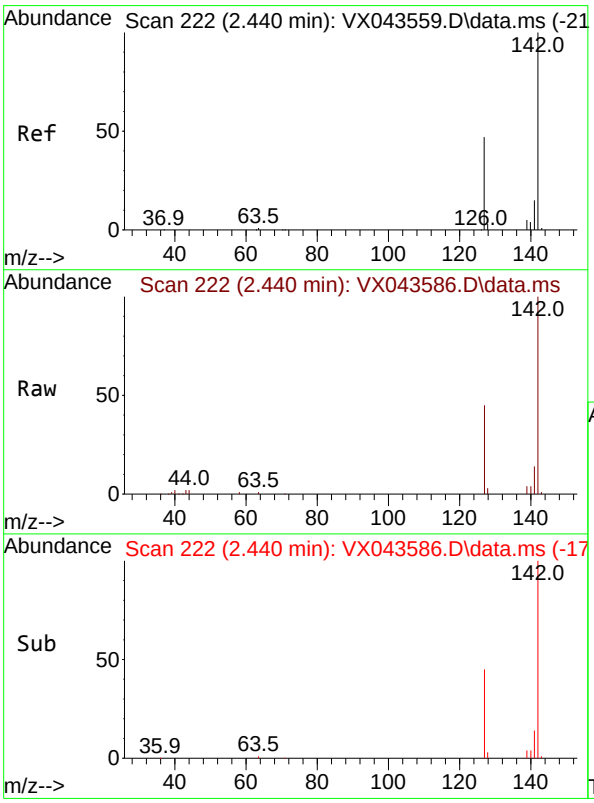
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.388 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:101 Resp: 45384

Ion	Ratio	Lower	Upper
101	100		
85	42.1	34.5	51.7
151	73.1	58.2	87.2

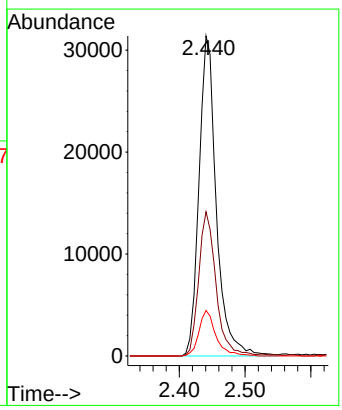


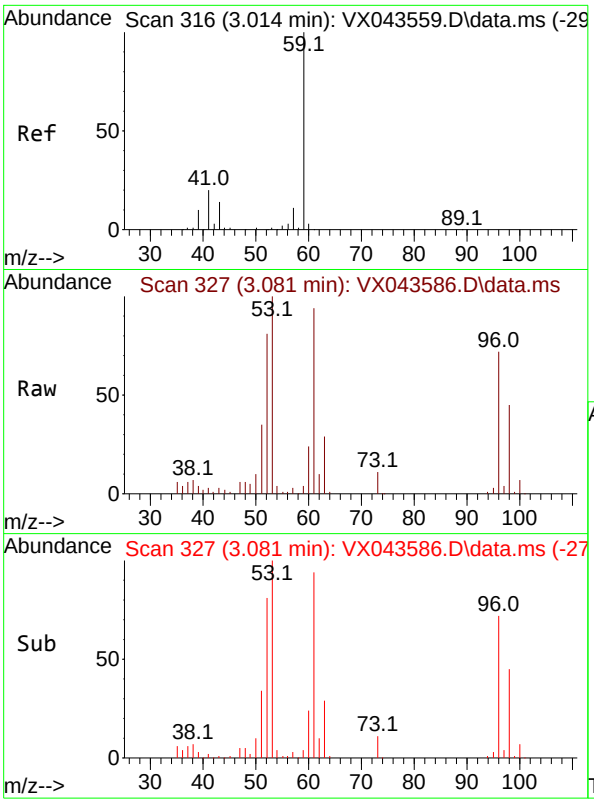


#10
Methyl Iodide
Concen: 18.748 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:142 Resp: 57476

Ion	Ratio	Lower	Upper
142	100		
127	45.5	38.2	57.4
141	14.0	11.5	17.3



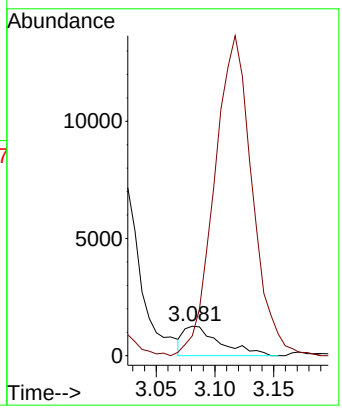


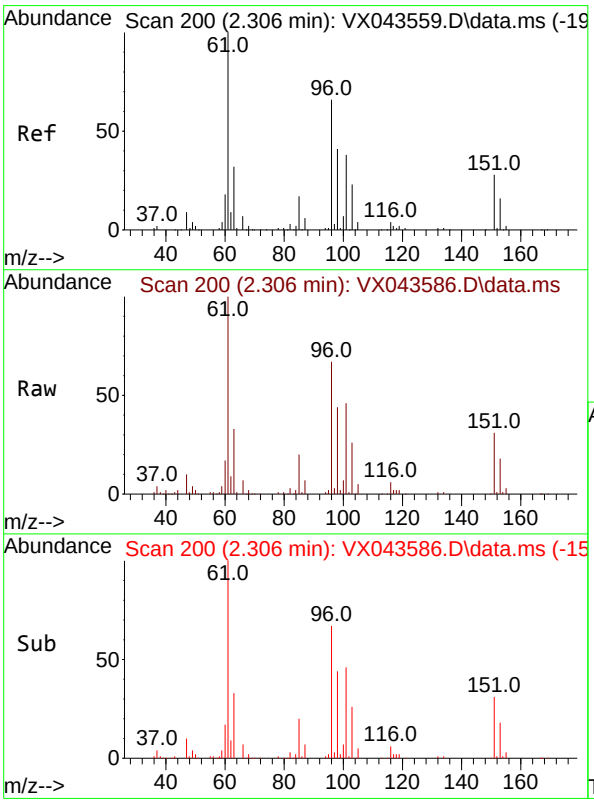
#11
Tert butyl alcohol
Concen: 4.477 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.031 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 59 Resp: 2697

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

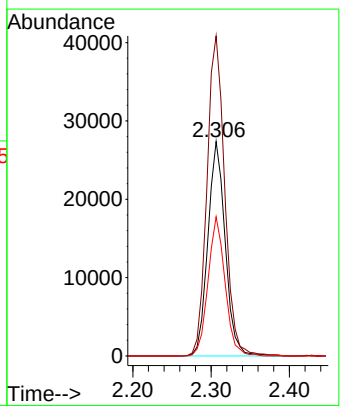


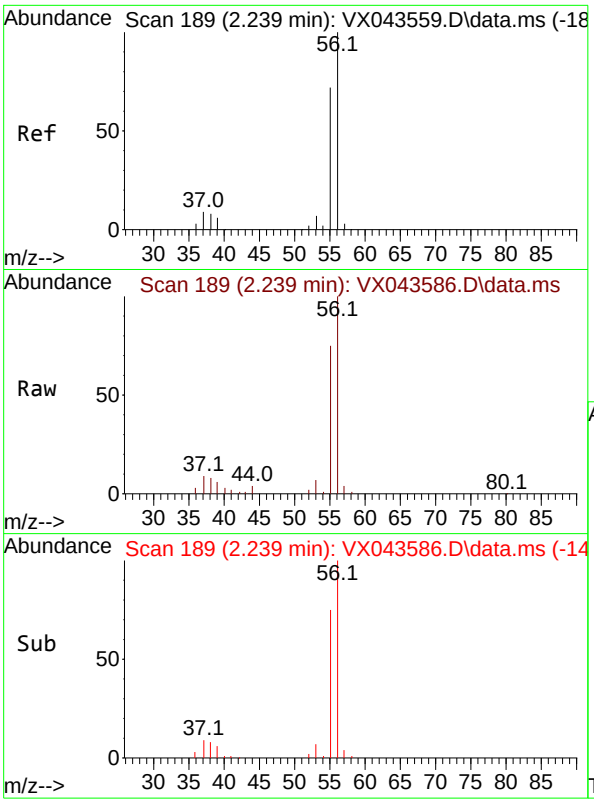


#12
1,1-Dichloroethene
Concen: 19.385 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 96 Resp: 42035

Ion	Ratio	Lower	Upper
96	100		
61	149.2	130.2	195.4
98	64.9	51.0	76.6



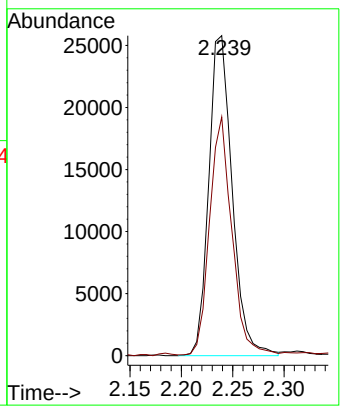


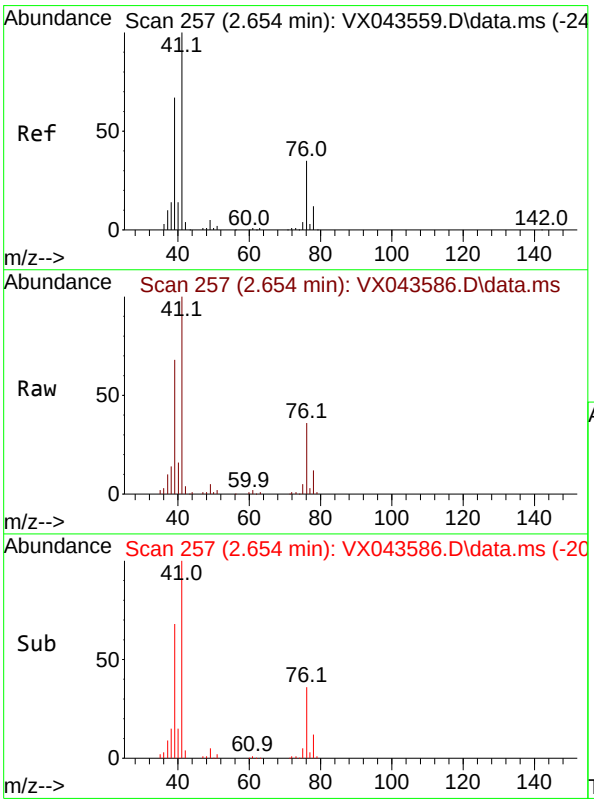
#13
Acrolein
Concen: 86.821 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 56 Resp: 40906

Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.3	82.9

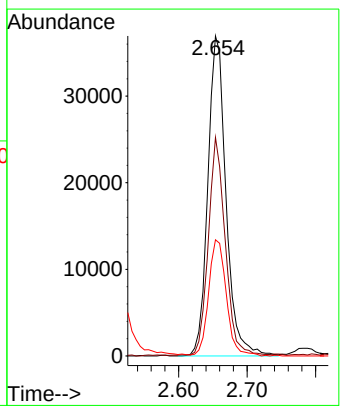


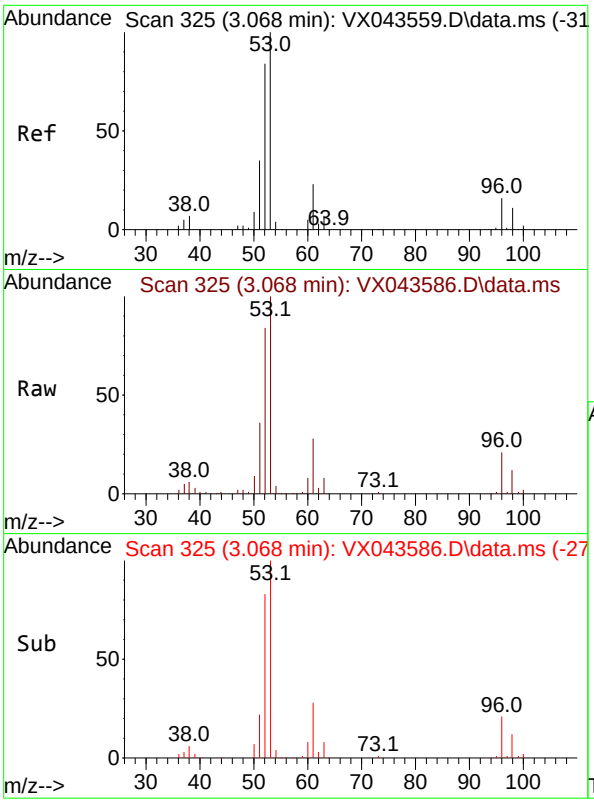


#14
Allyl chloride
Concen: 18.223 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 41 Resp: 68347

Ion	Ratio	Lower	Upper
41	100		
39	63.1	53.2	79.8
76	35.3	27.0	40.6



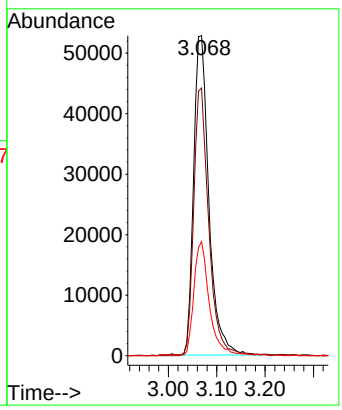


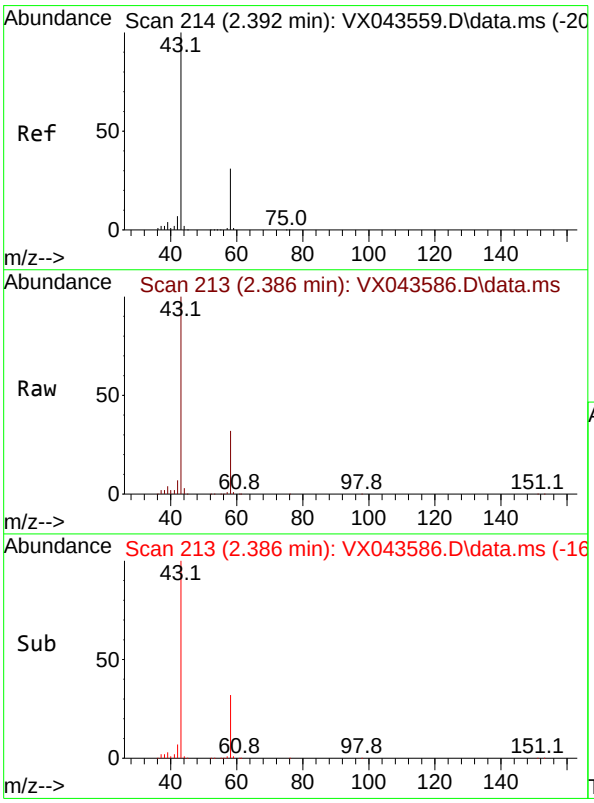
#15
Acrylonitrile
Concen: 85.162 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 53 Resp: 115840

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	36.4	28.5	42.7

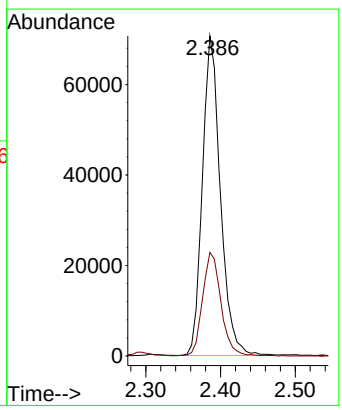


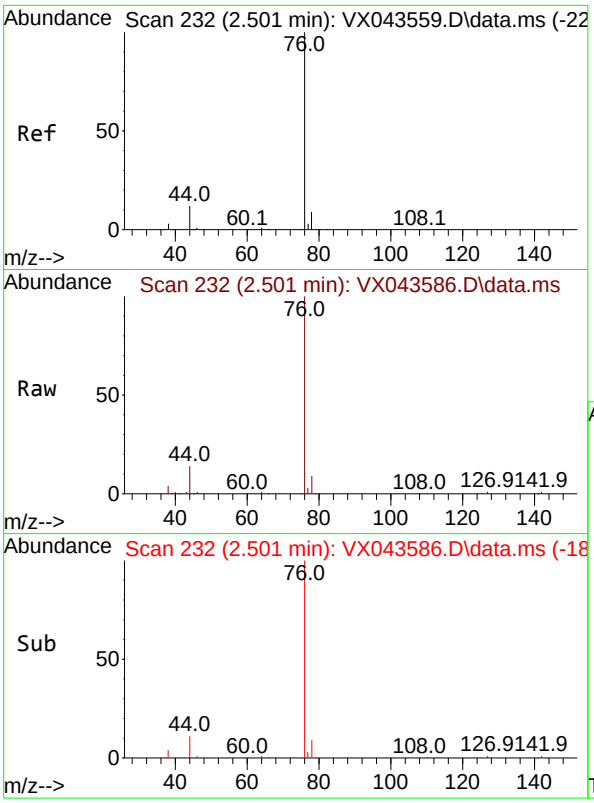


#16
Acetone
Concen: 92.319 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 118332

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.1	37.7



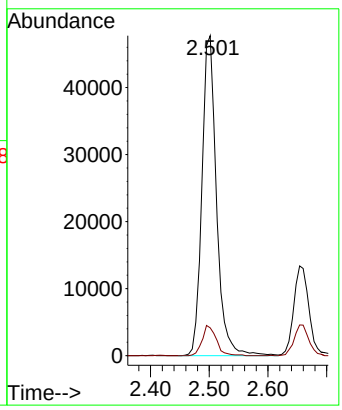


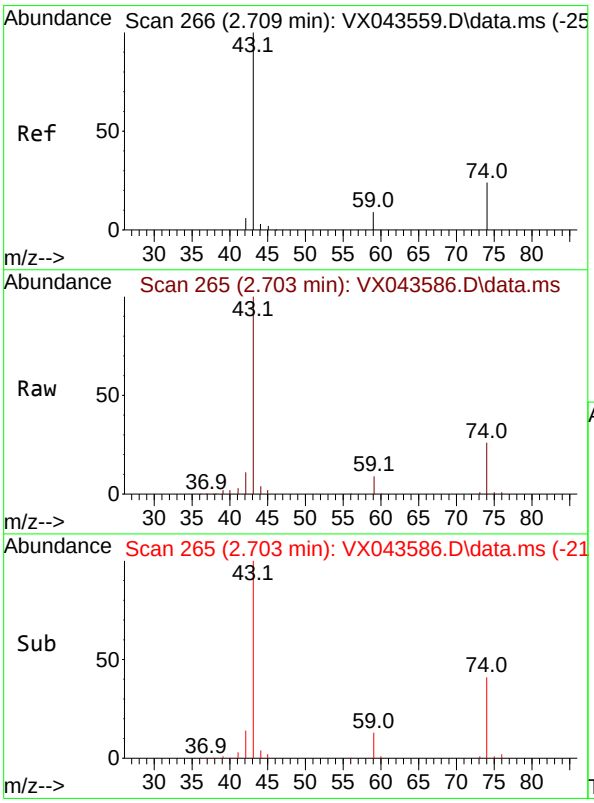
#17
Carbon Disulfide
Concen: 18.170 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 76 Resp: 82388

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

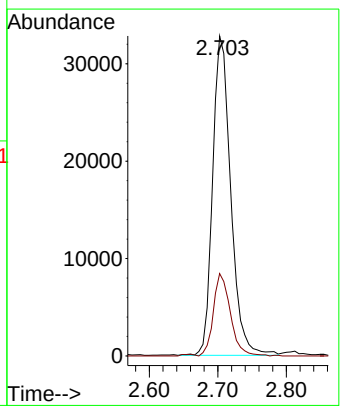


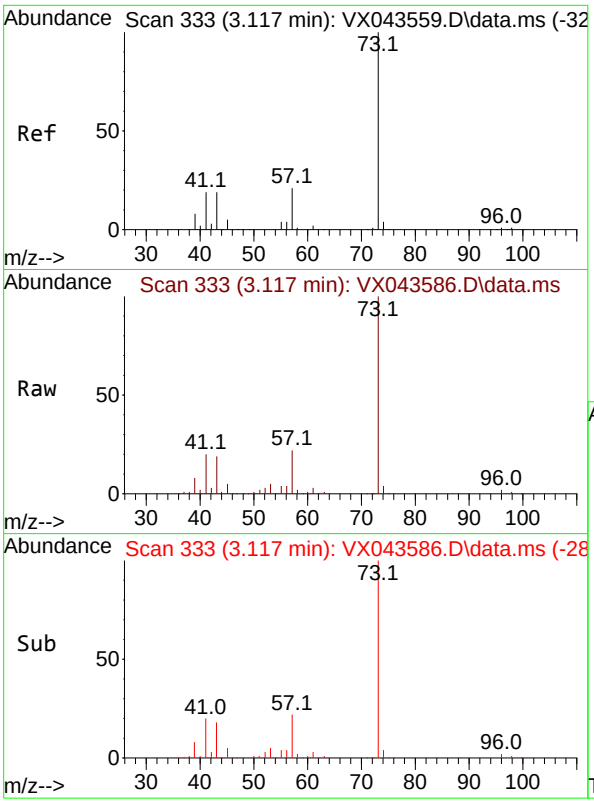


#18
Methyl Acetate
Concen: 16.054 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 60142

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.1	28.7



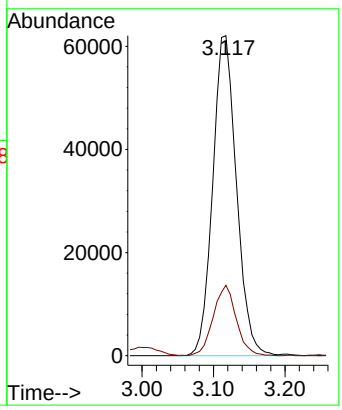


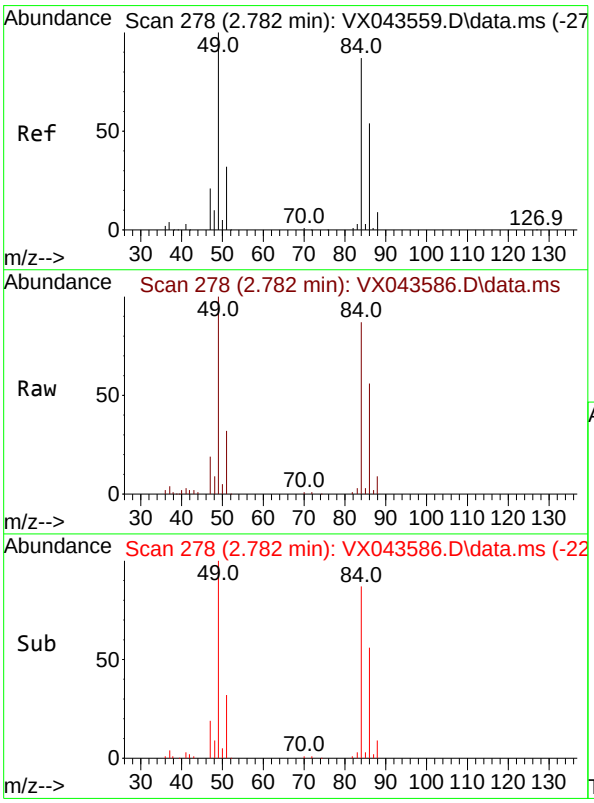
#19
Methyl tert-butyl Ether
Concen: 17.354 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 73 Resp: 143107

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

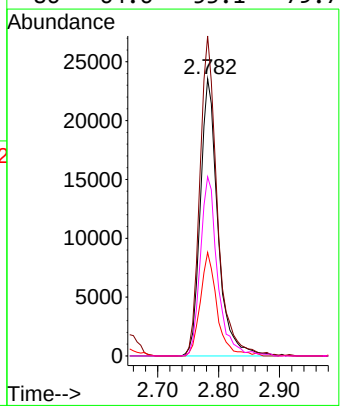


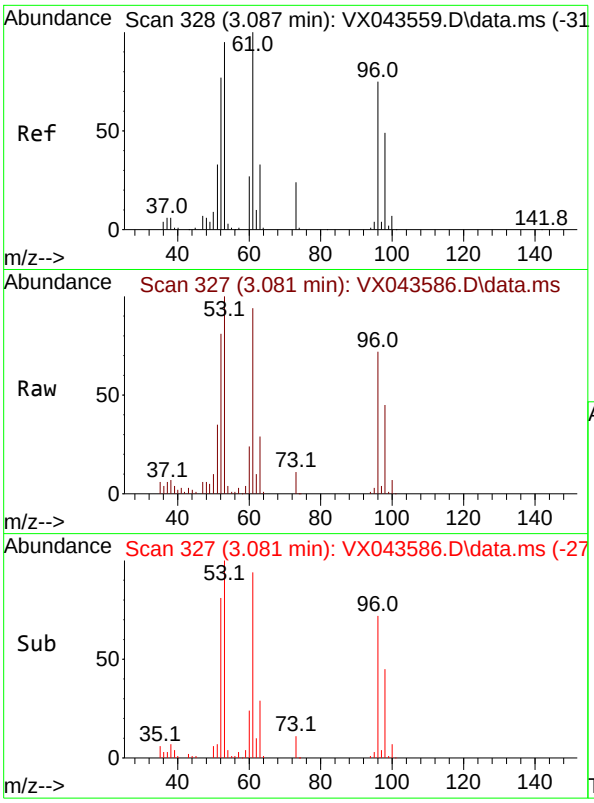


#20
Methylene Chloride
Concen: 17.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 84 Resp: 47149

Ion	Ratio	Lower	Upper
84	100		
49	115.5	97.0	145.6
51	37.4	29.8	44.8
86	64.6	53.1	79.7



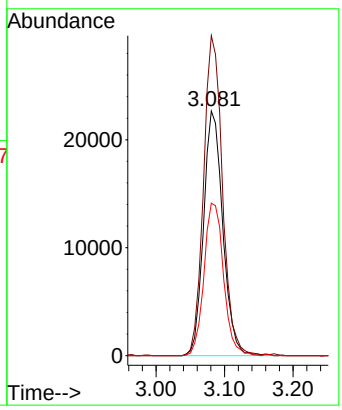


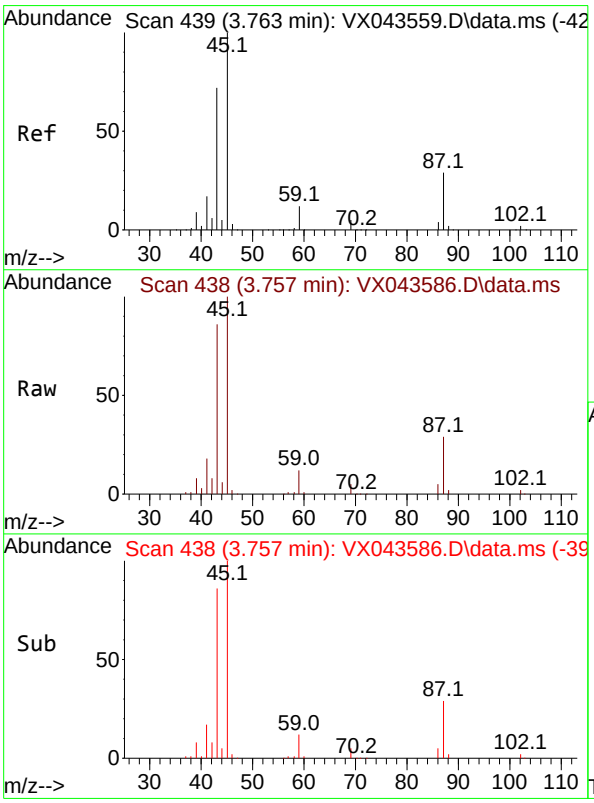
#21
trans-1,2-Dichloroethene
Concen: 19.321 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 96 Resp: 44262

Ion	Ratio	Lower	Upper
96	100		
61	130.8	107.1	160.7
98	62.4	47.7	71.5

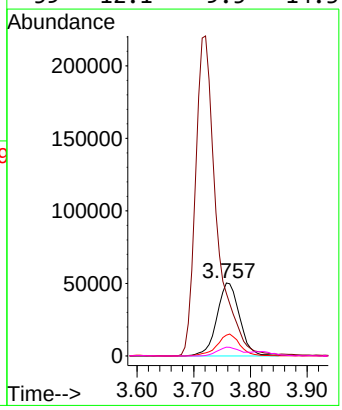


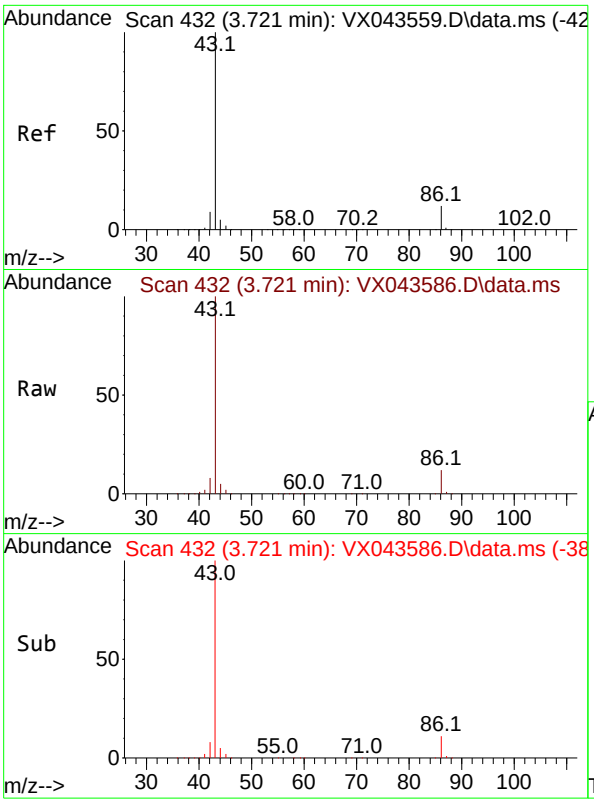


#22
Diisopropyl ether
Concen: 18.024 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 45 Resp: 139725

Ion	Ratio	Lower	Upper
45	100		
43	85.7	60.6	90.8
87	28.5	22.0	33.0
59	12.1	9.5	14.3



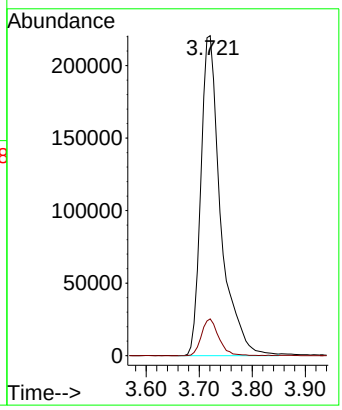


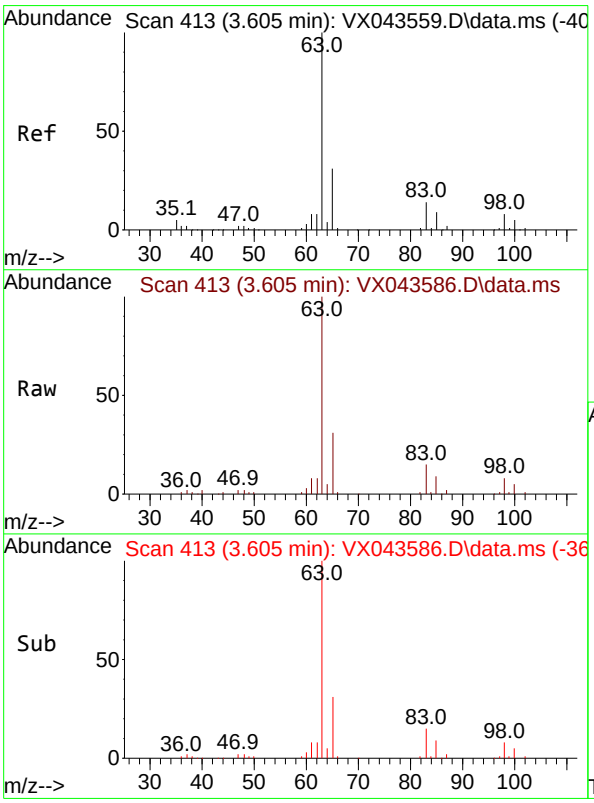
#23
Vinyl Acetate
Concen: 89.264 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 571697

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.0	13.4

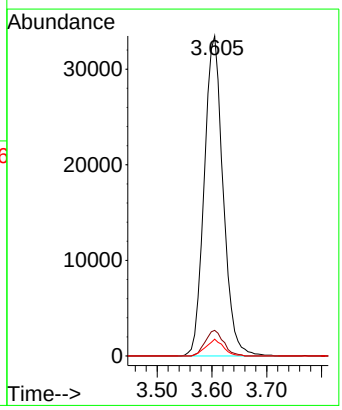


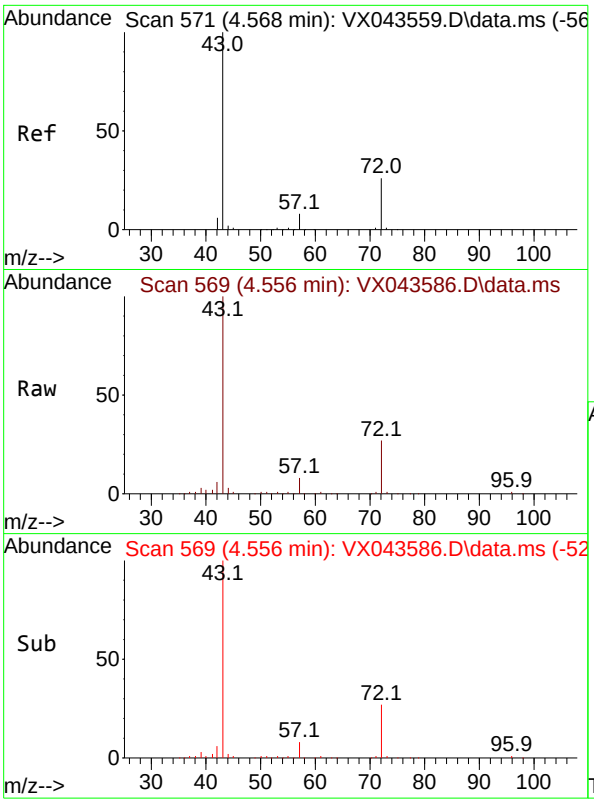


#24
1,1-Dichloroethane
Concen: 17.909 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 63 Resp: 79799

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.4
100	5.2	2.4	7.2



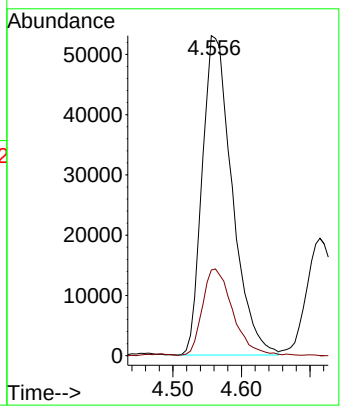


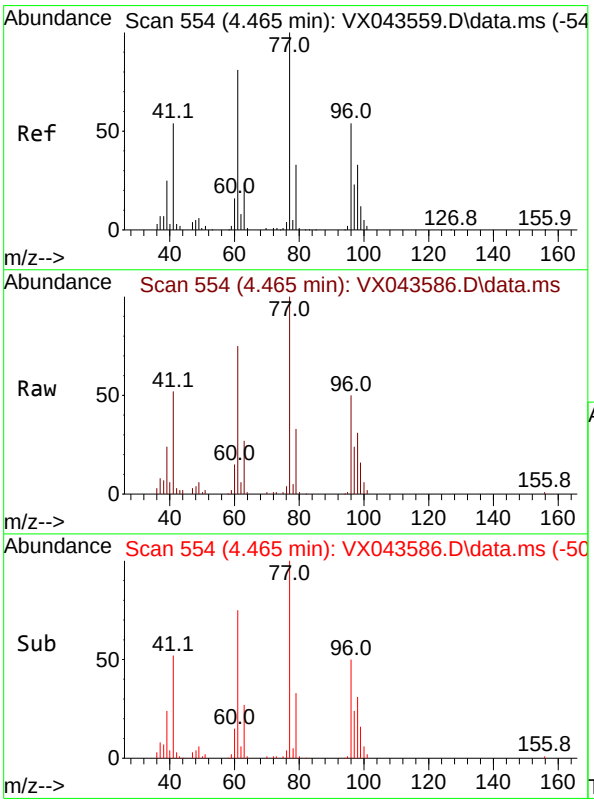
#25
2-Butanone
Concen: 86.062 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 160914

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.1	31.7

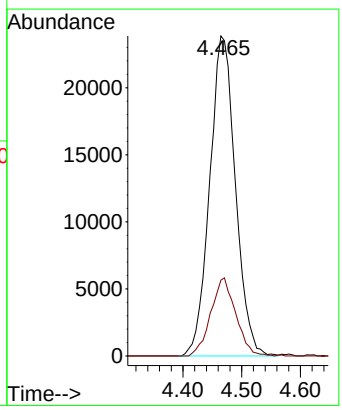


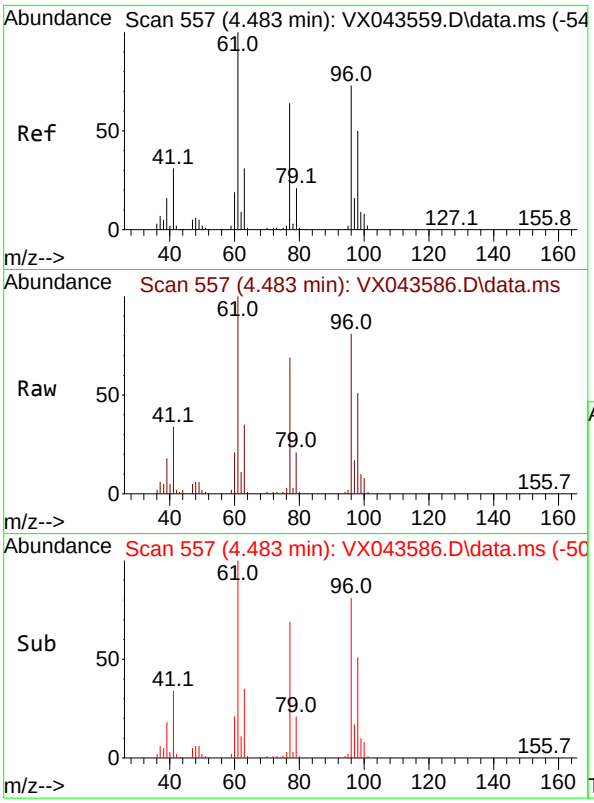


#26
2,2-Dichloropropane
Concen: 19.908 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 77 Resp: 72610

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.8



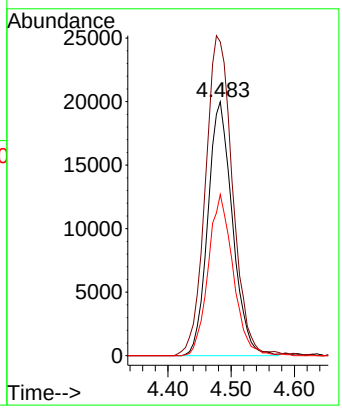


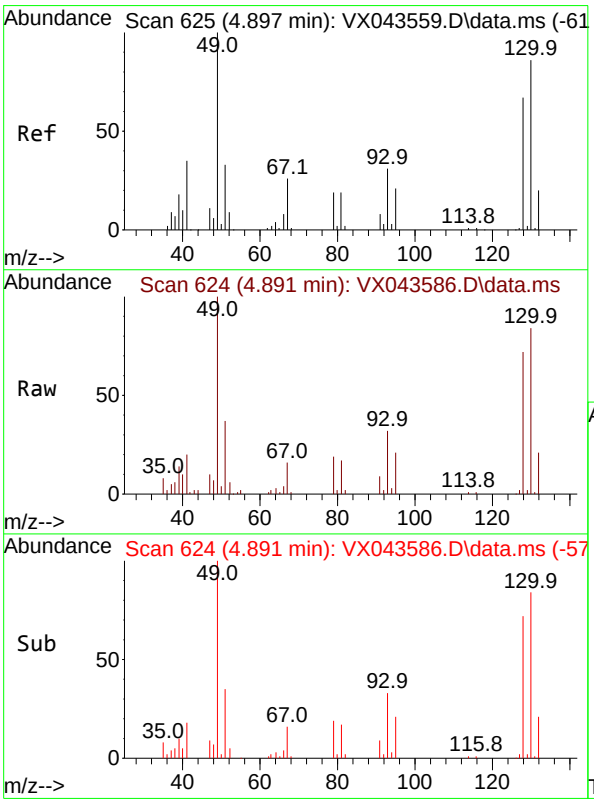
#27
cis-1,2-Dichloroethene
Concen: 18.448 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 96 Resp: 53987

Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	277.2
98	64.1	0.0	131.6

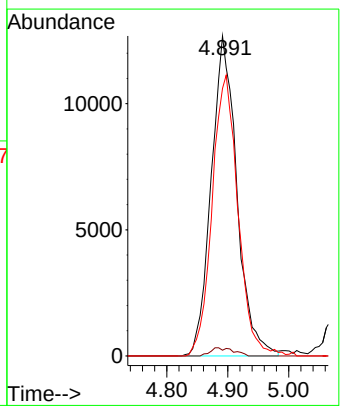


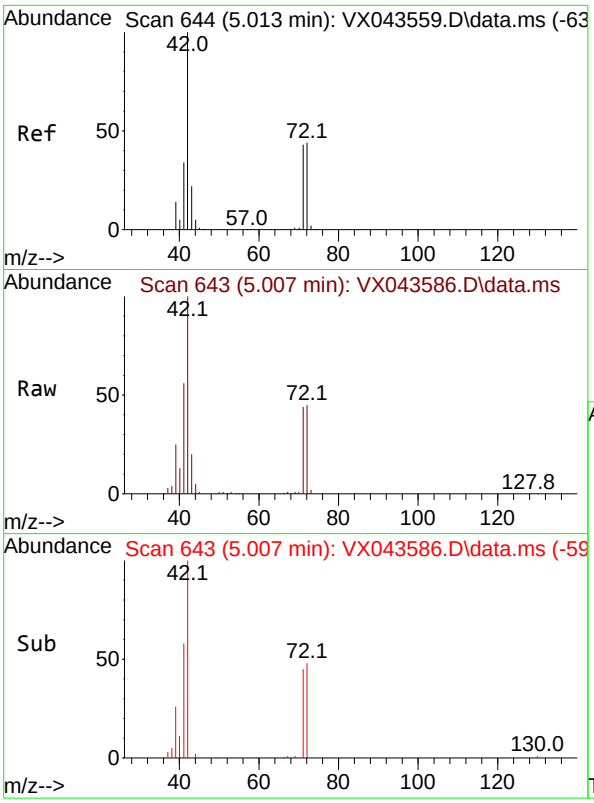


#28
Bromochloromethane
Concen: 17.489 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 49 Resp: 37071

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	88.6	67.8	101.8



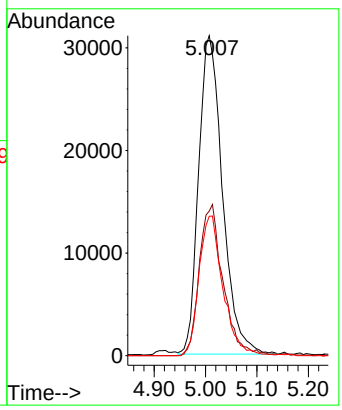


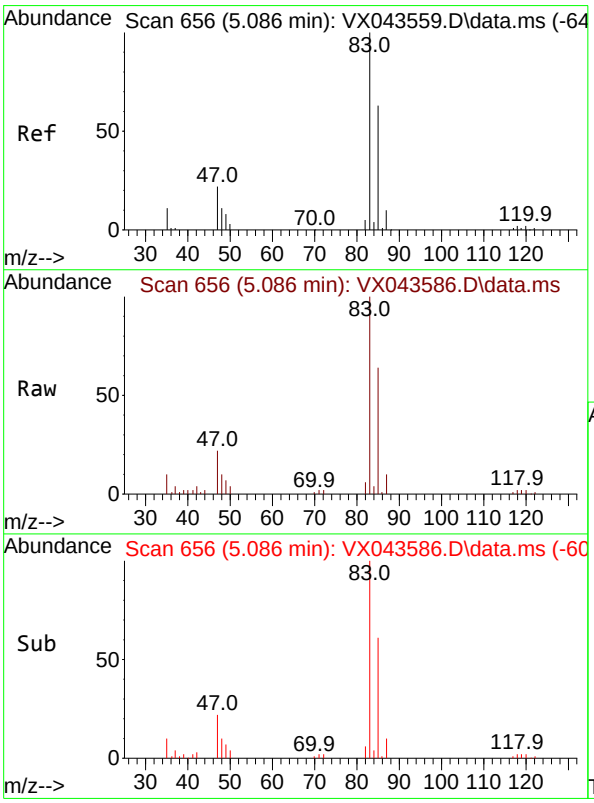
#29
Tetrahydrofuran
Concen: 82.487 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 42 Resp: 100228

Ion	Ratio	Lower	Upper
42	100		
72	47.2	36.6	55.0
71	43.8	34.2	51.4

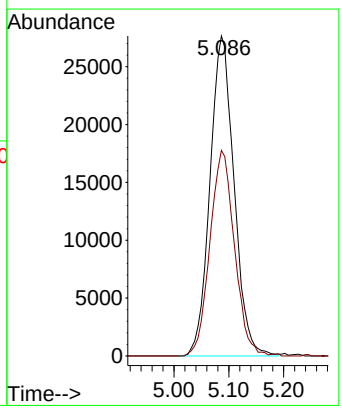


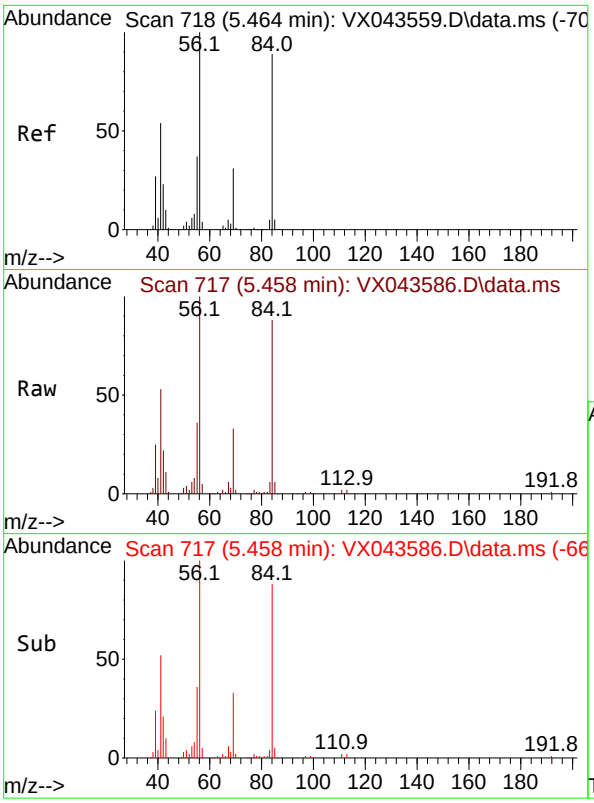


#30
Chloroform
Concen: 18.055 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 83 Resp: 84330

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4



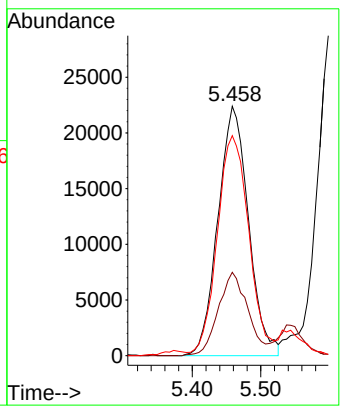


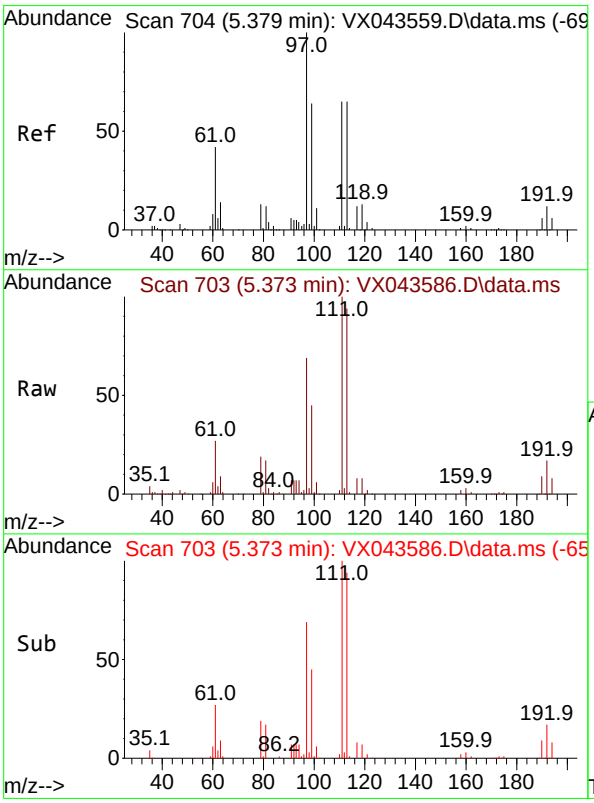
#31
Cyclohexane
Concen: 20.338 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 56 Resp: 69310

Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.9	37.3
84	86.4	73.3	109.9

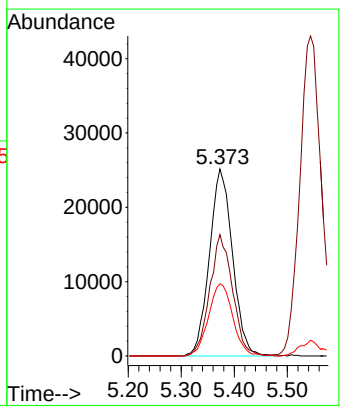


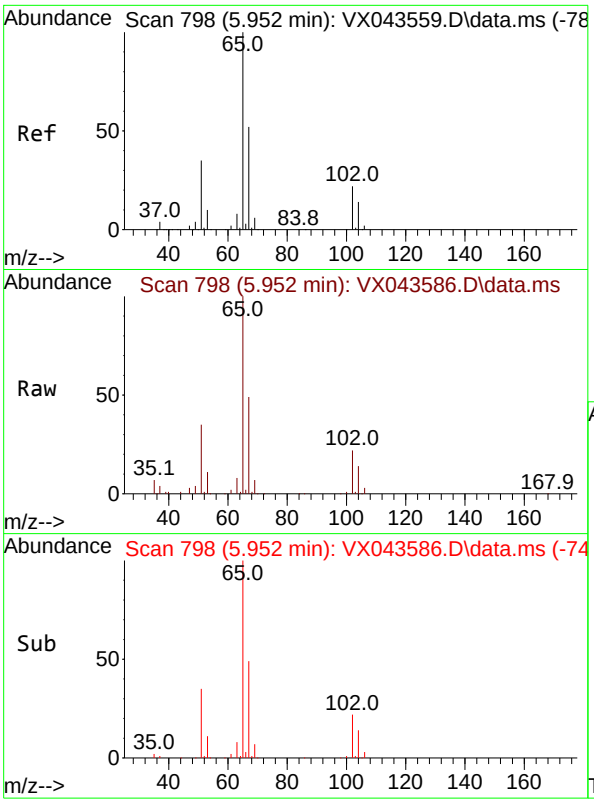


#32
1,1,1-Trichloroethane
Concen: 19.420 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 97 Resp: 76151

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	40.6	34.0	51.0



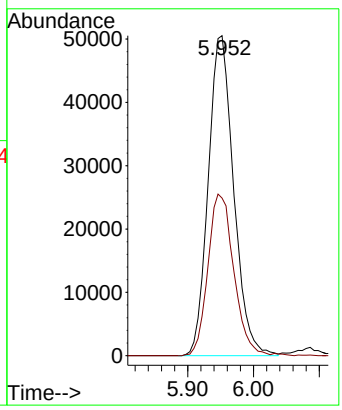


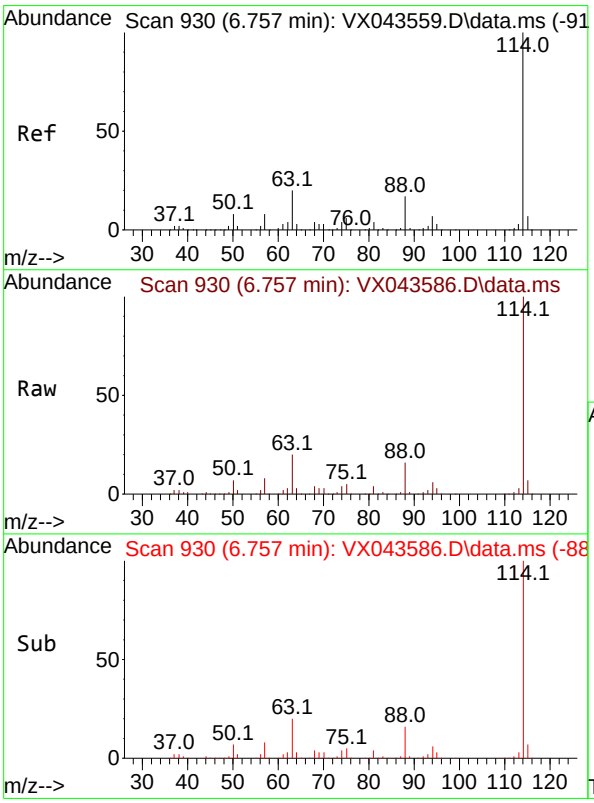
#33
1,2-Dichloroethane-d4
Concen: 42.105 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 65 Resp: 135908

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.4

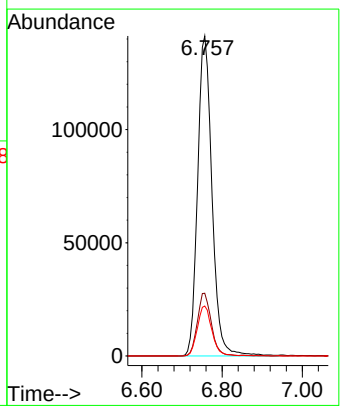


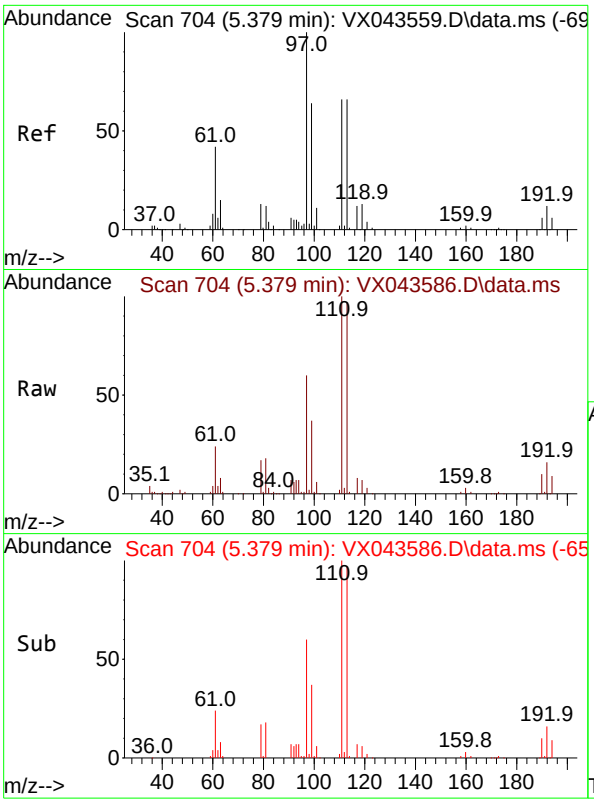


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:114 Resp: 352202

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.2
88	15.6	0.0	34.0



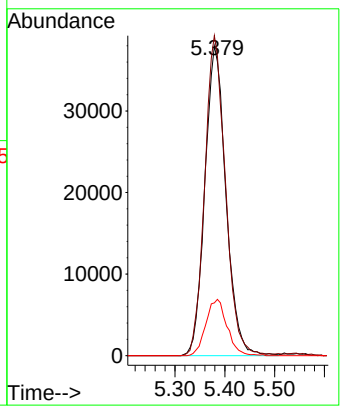


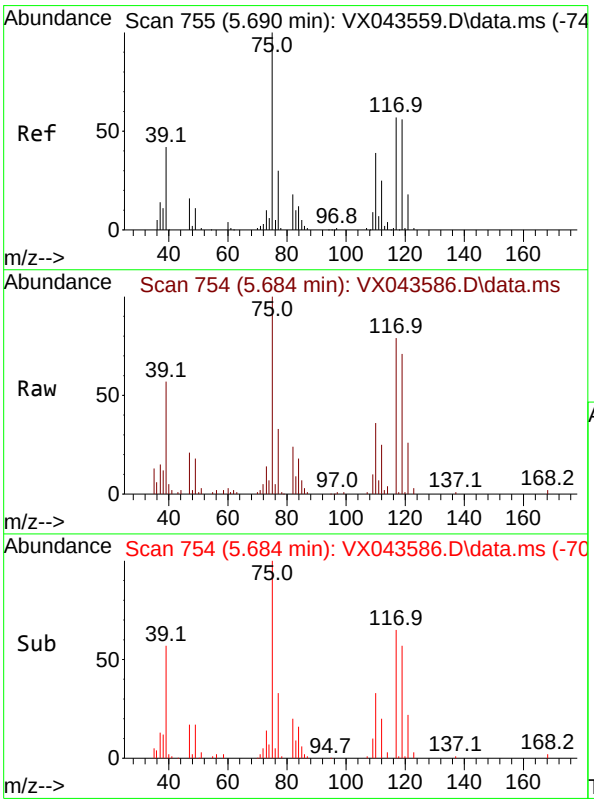
#35
Dibromofluoromethane
Concen: 46.642 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:113 Resp: 111394

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	18.3	14.1	21.1

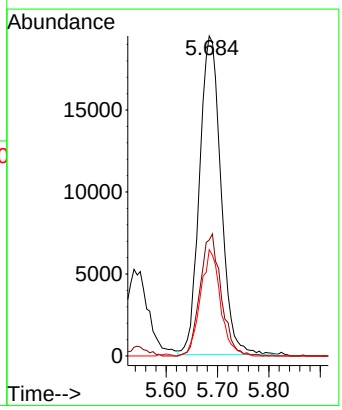


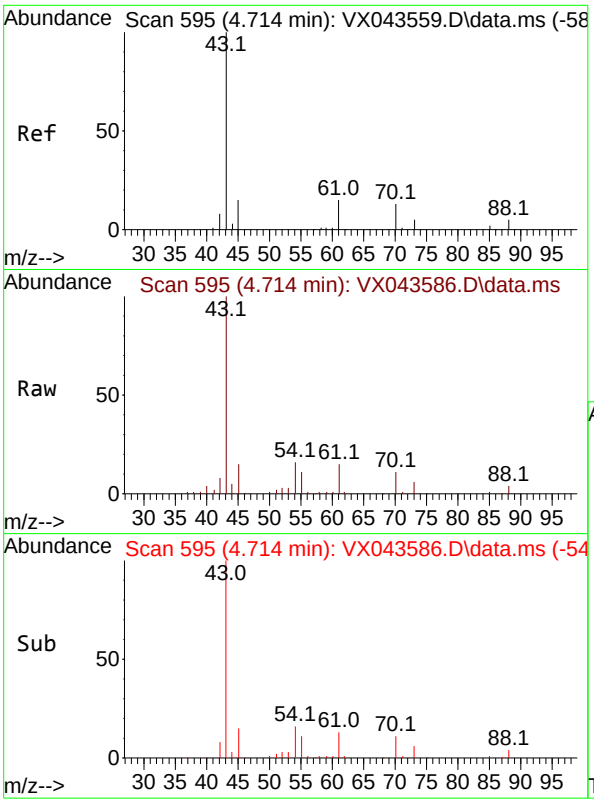


#36
1,1-Dichloropropene
Concen: 19.875 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 56285

Ion	Ratio	Lower	Upper
75	100		
110	37.7	17.9	53.7
77	31.3	25.0	37.4



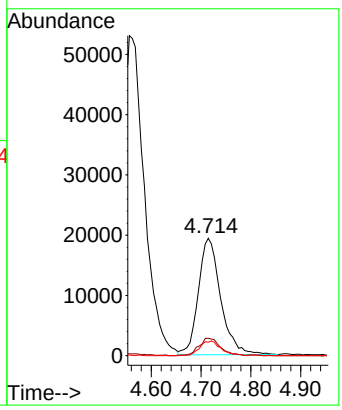


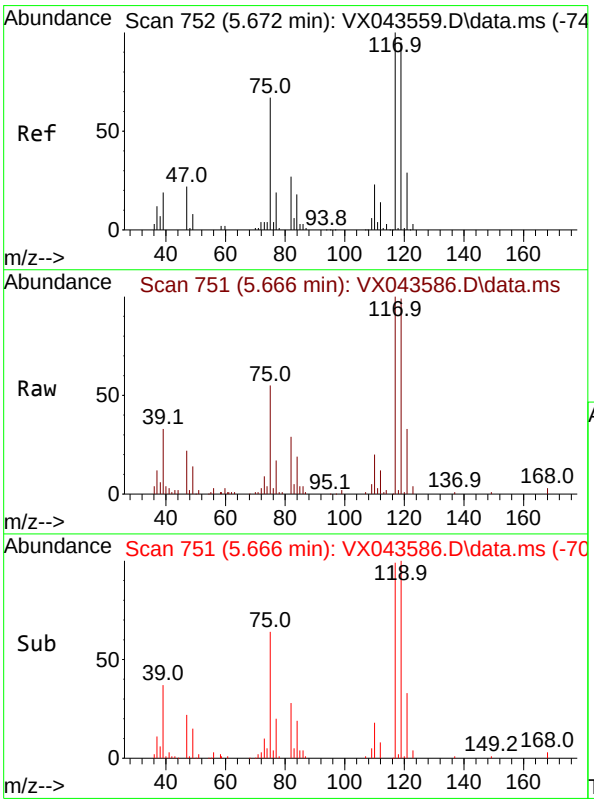
#37
Ethyl Acetate
Concen: 17.501 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 60171

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	12.0	8.9	13.3

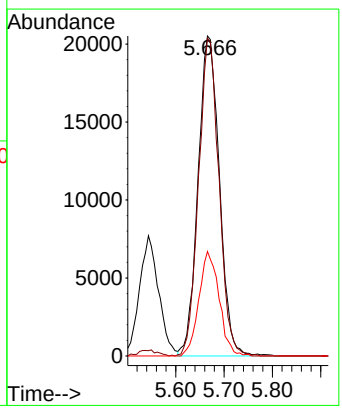


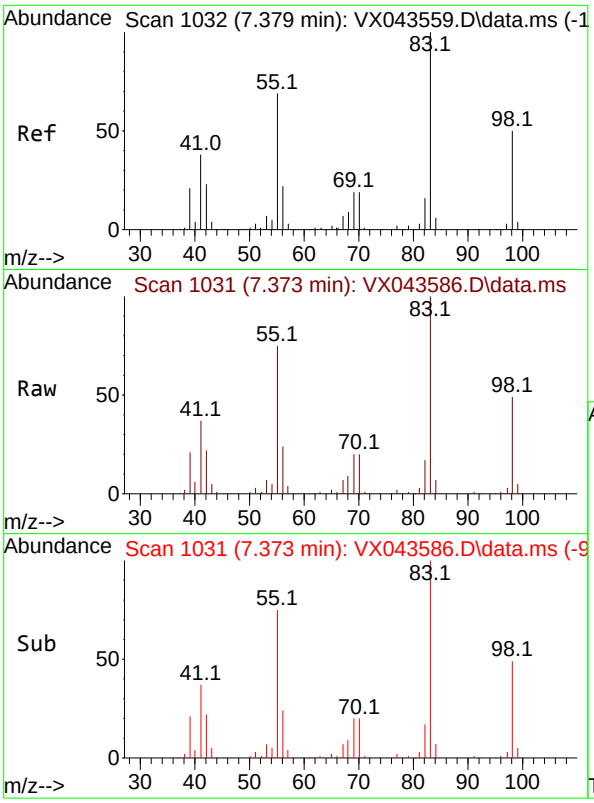


#38
Carbon Tetrachloride
Concen: 20.104 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:117 Resp: 62906

Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.0	115.6
121	32.7	24.7	37.1



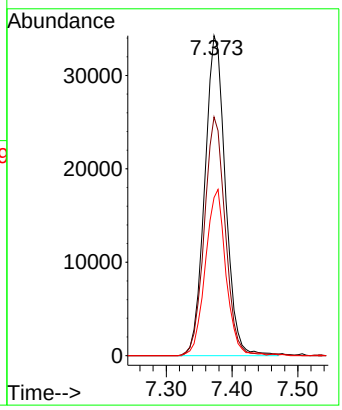


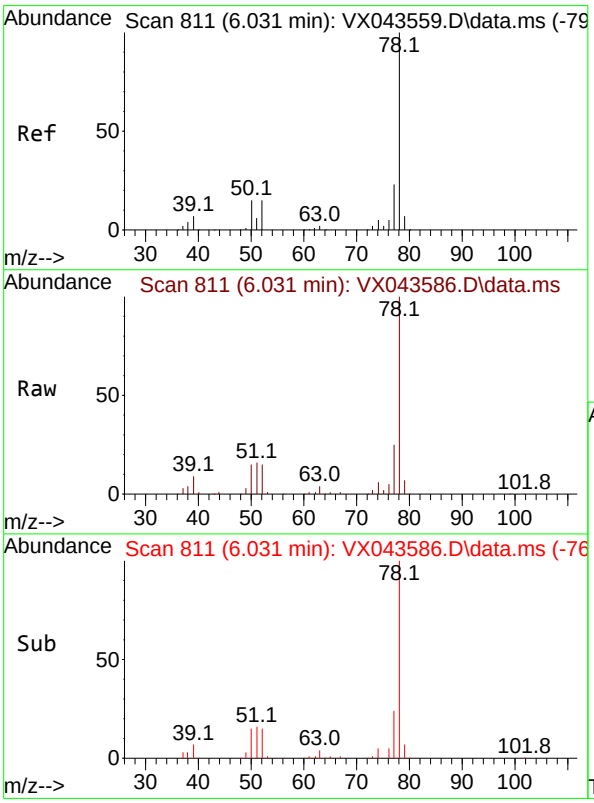
#39
Methylcyclohexane
Concen: 21.340 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 83 Resp: 75030

Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.9	89.9
98	49.4	41.3	61.9

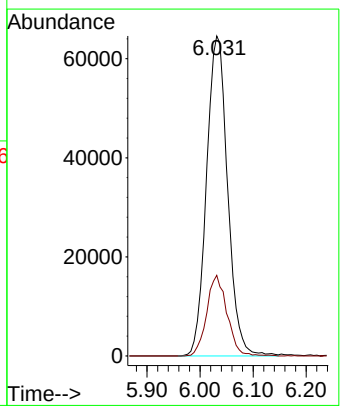


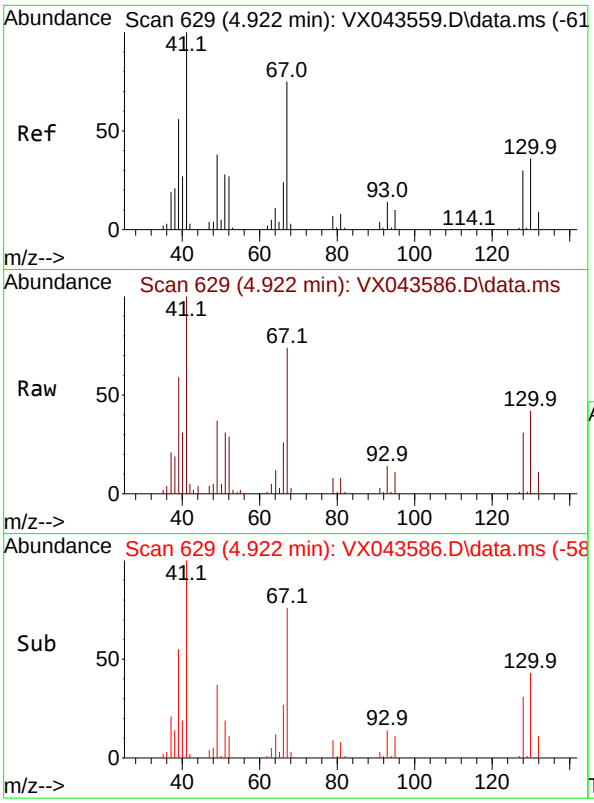


#40
Benzene
Concen: 18.917 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 78 Resp: 178716

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.4	27.6



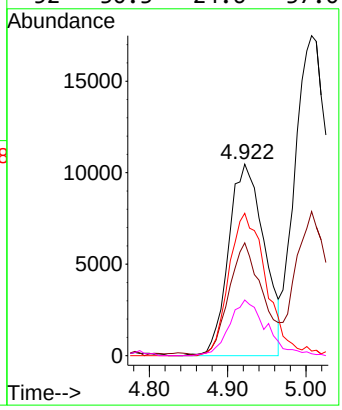


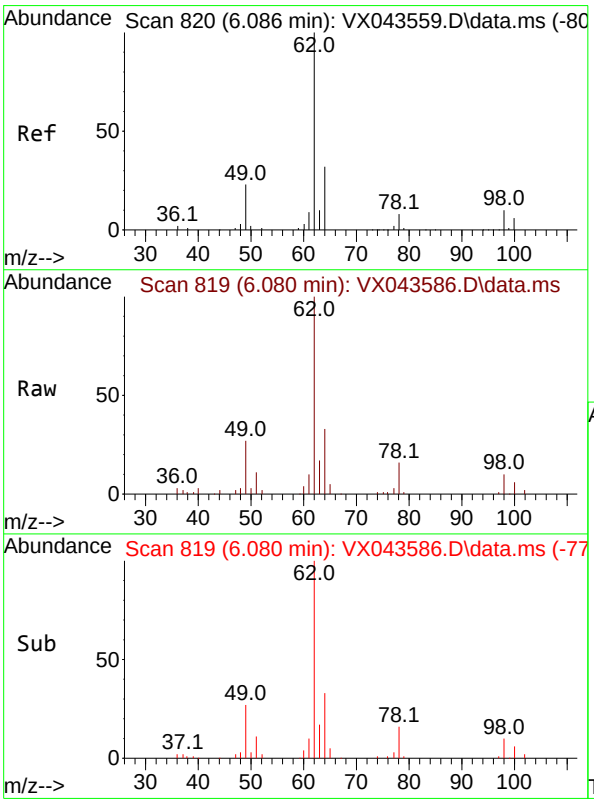
#41
Methacrylonitrile
Concen: 18.374 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 41 Resp: 33159

Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.5	65.3
67	77.0	58.3	87.5
52	30.3	24.6	37.0

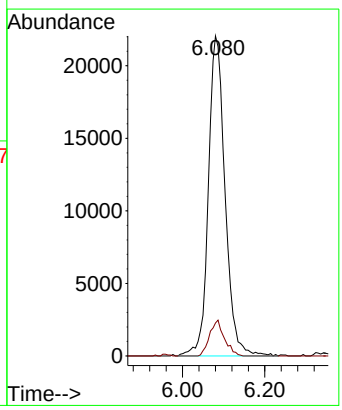


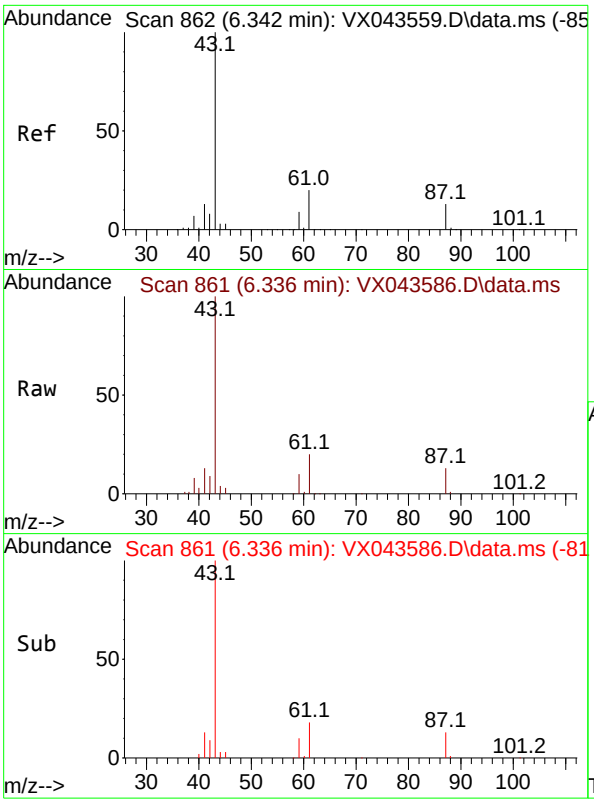


#42
1,2-Dichloroethane
Concen: 18.332 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 62 Resp: 62263

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.8



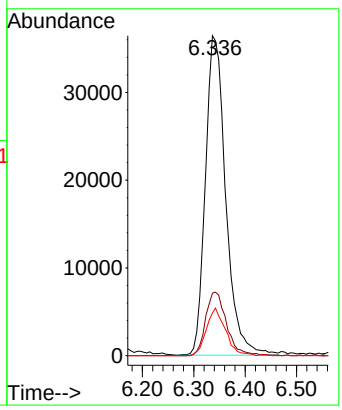


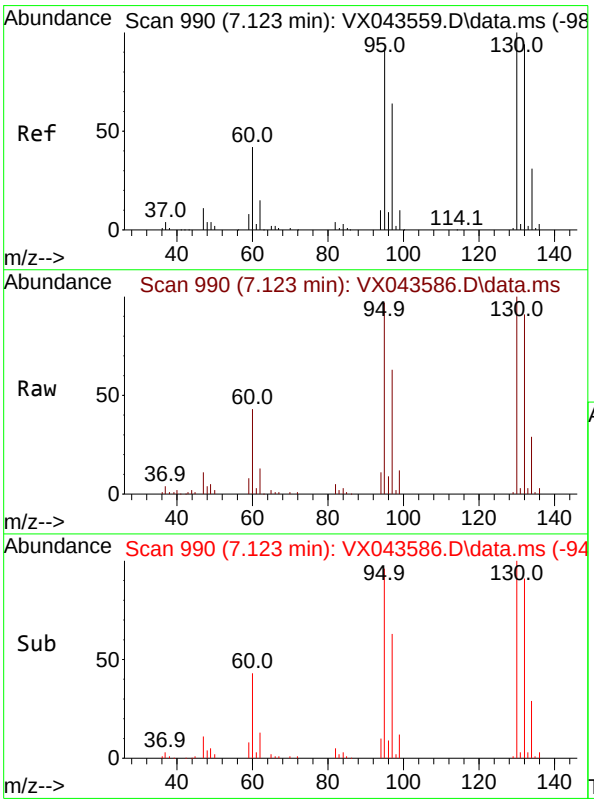
#43
Isopropyl Acetate
Concen: 17.607 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 100112

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.4
87	14.0	11.0	16.6

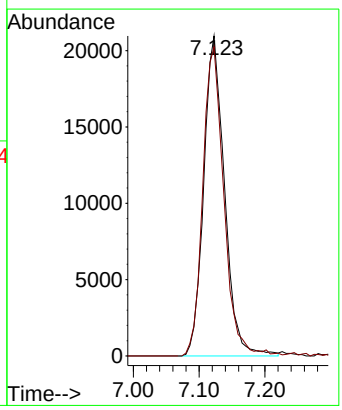


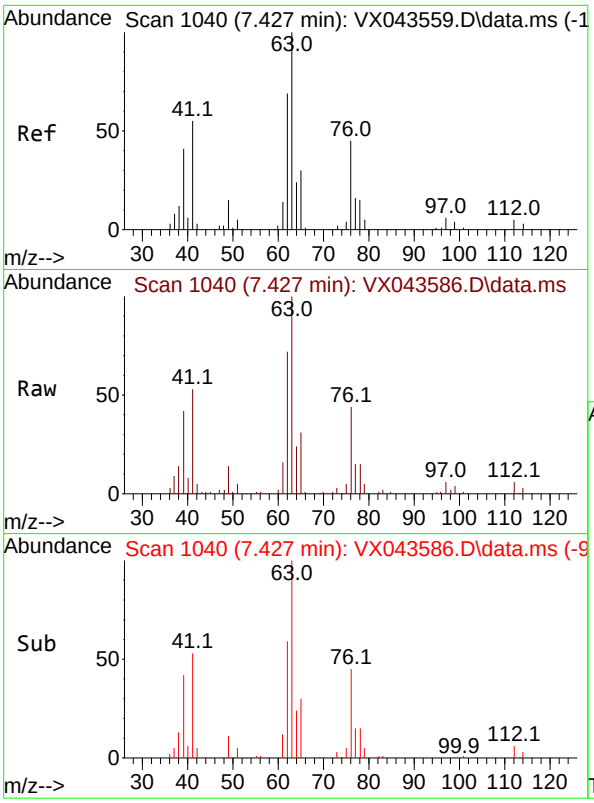


#44
Trichloroethene
Concen: 19.649 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:130 Resp: 46116

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	202.6



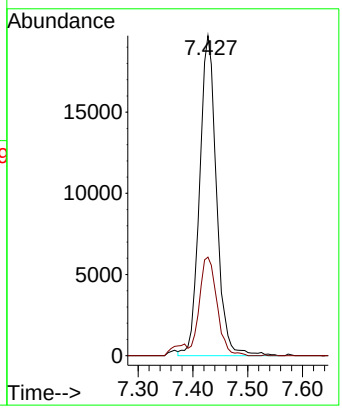


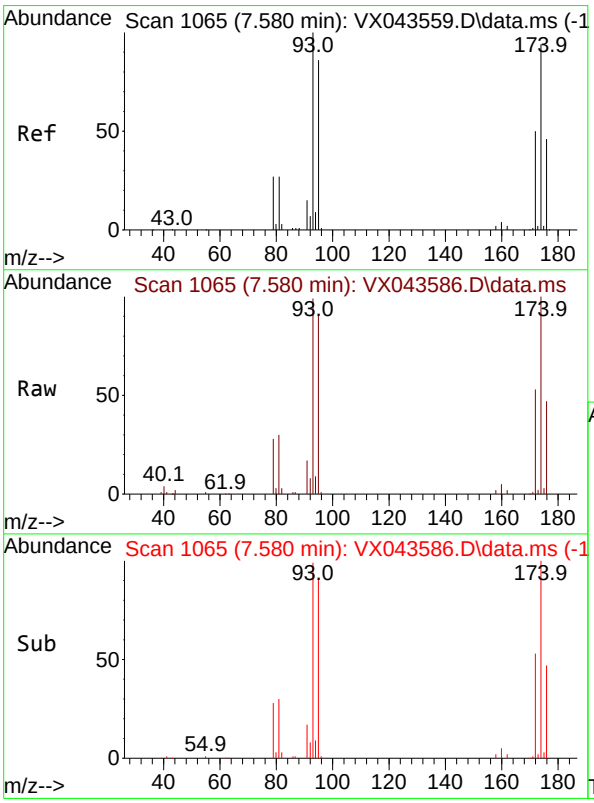
#45
1,2-Dichloropropane
Concen: 18.174 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 63 Resp: 42277

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7

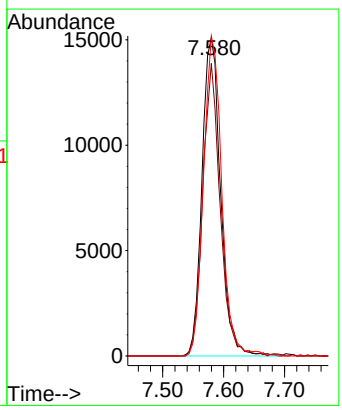


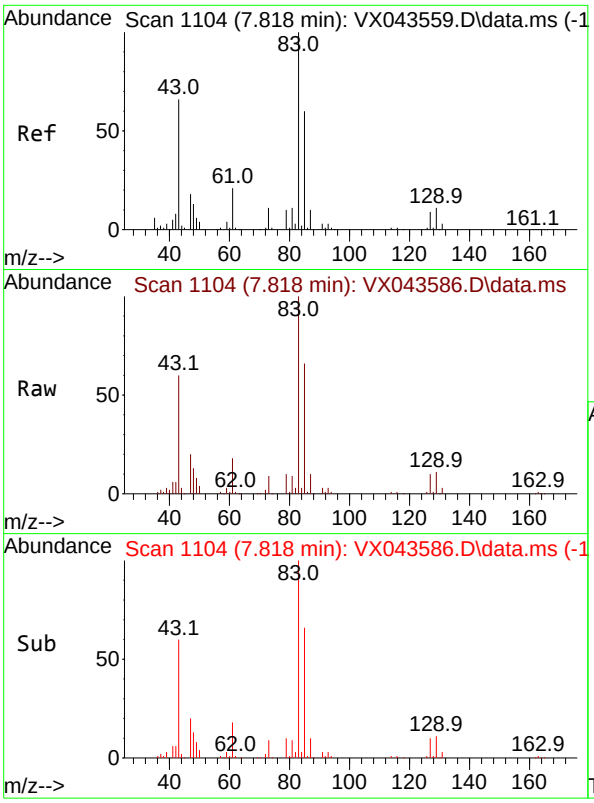


#46
Dibromomethane
Concen: 17.910 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 93 Resp: 32080

Ion	Ratio	Lower	Upper
93	100		
95	85.9	66.4	99.6
174	98.8	75.0	112.4



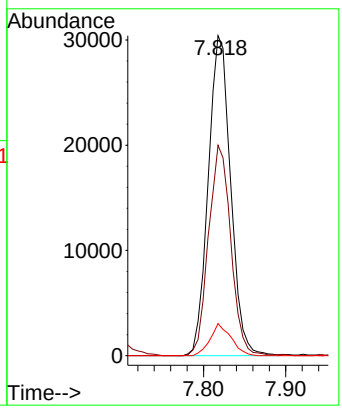


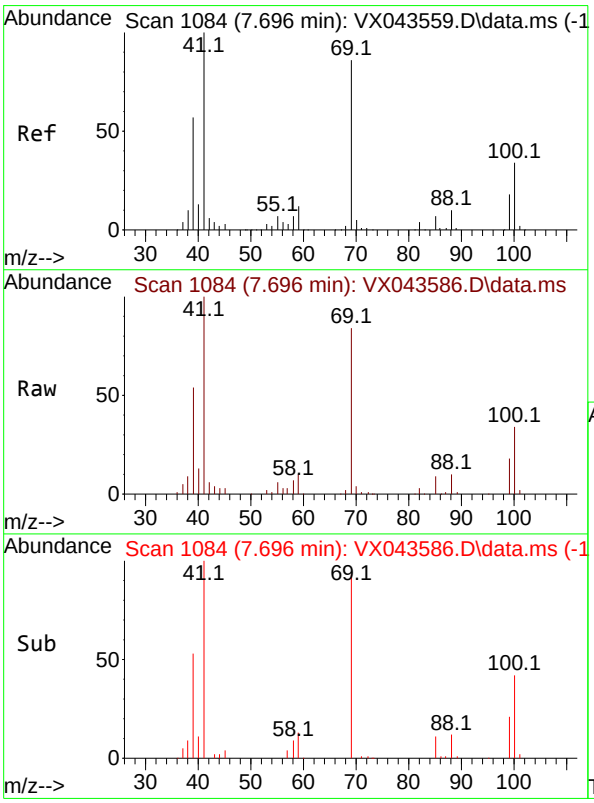
#47
Bromodichloromethane
Concen: 18.310 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 83 Resp: 57532

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4
127	10.0	7.1	10.7

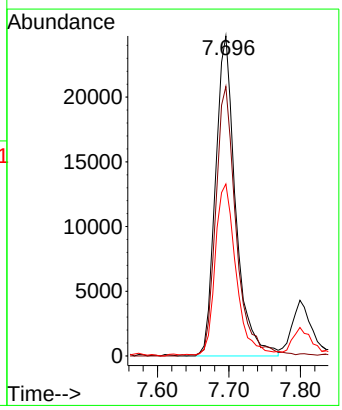


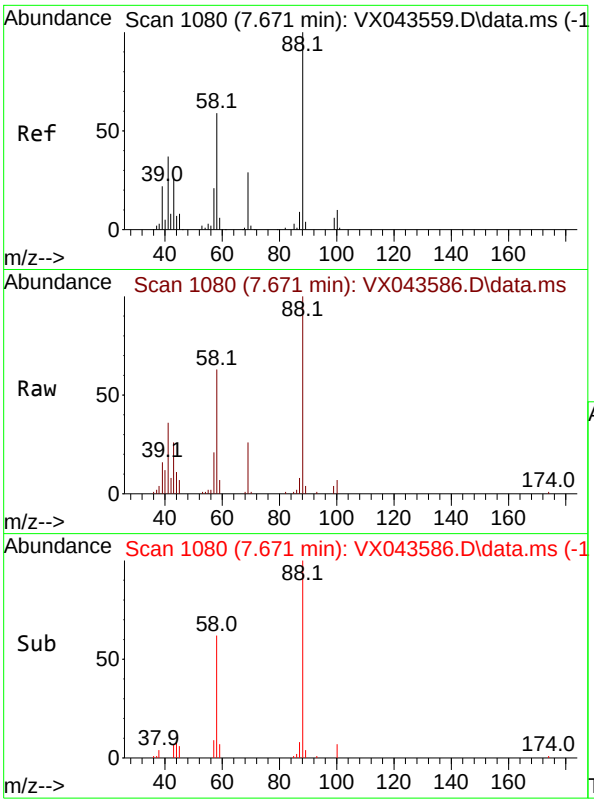


#48
Methyl methacrylate
Concen: 17.927 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 41 Resp: 48326

Ion	Ratio	Lower	Upper
41	100		
69	85.0	67.7	101.5
39	54.6	46.3	69.5



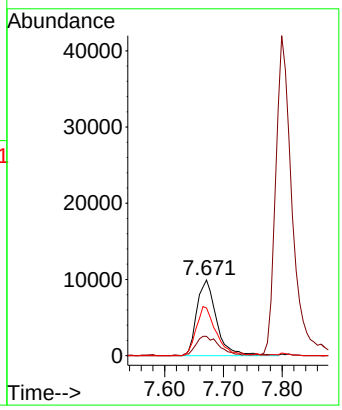


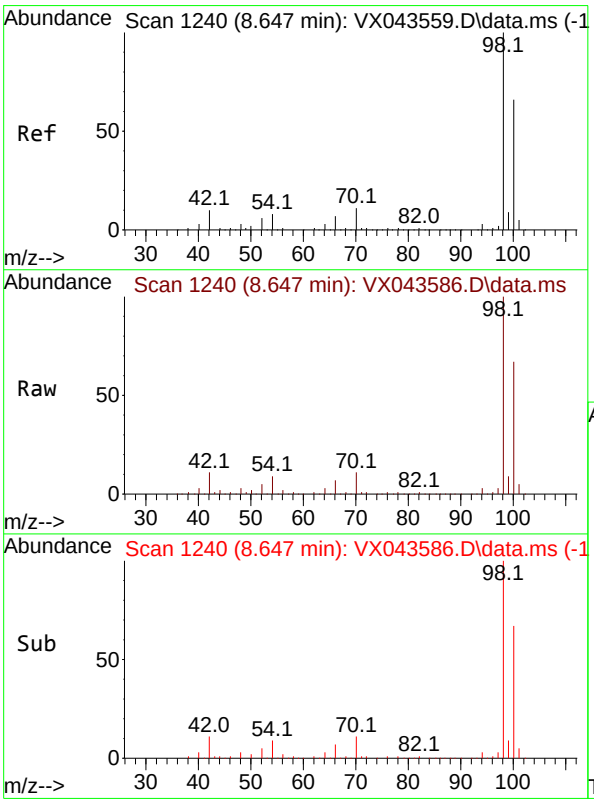
#49
1,4-Dioxane
Concen: 417.634 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 88 Resp: 23130

Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	64.9	53.9	80.9

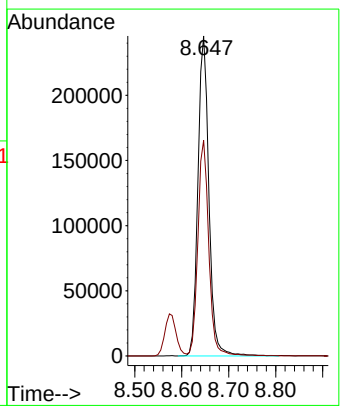


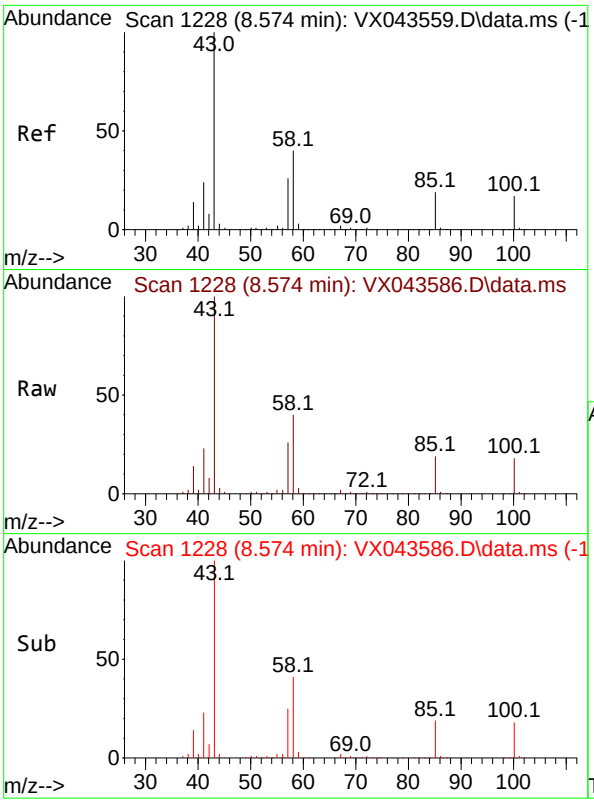


#50
Toluene-d8
Concen: 48.283 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 98 Resp: 399169

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2



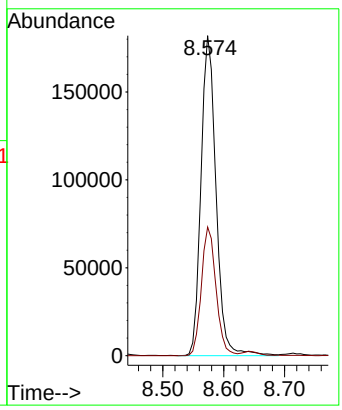


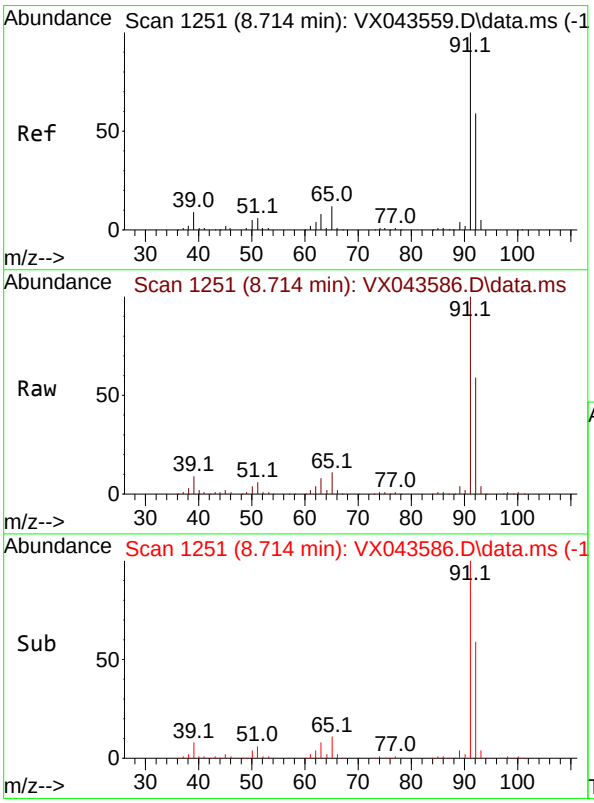
#51
4-Methyl-2-Pentanone
Concen: 90.192 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 312558

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.7	47.5

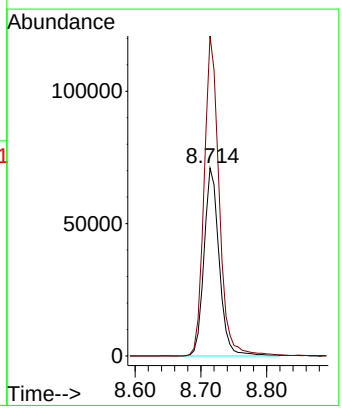


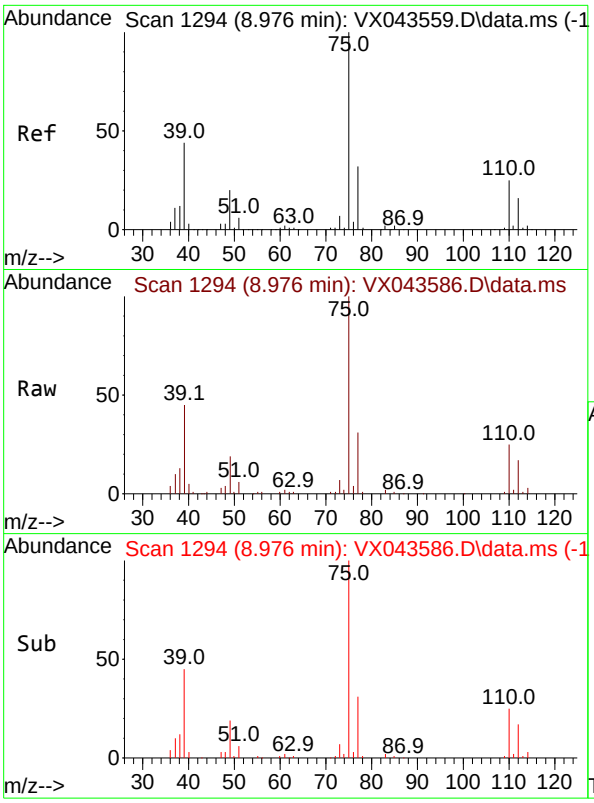


#52
Toluene
Concen: 19.871 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 92 Resp: 113851

Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.7	203.5



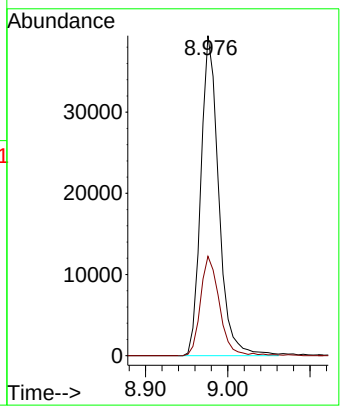


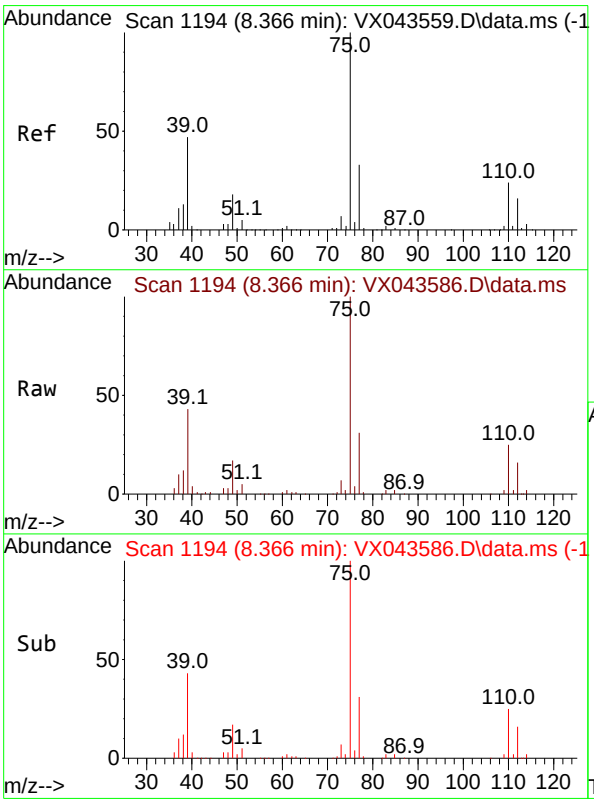
#53
t-1,3-Dichloropropene
Concen: 17.650 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 75 Resp: 59568

Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0

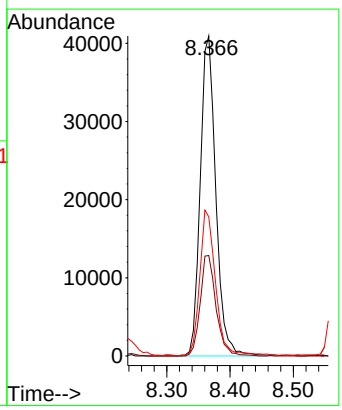


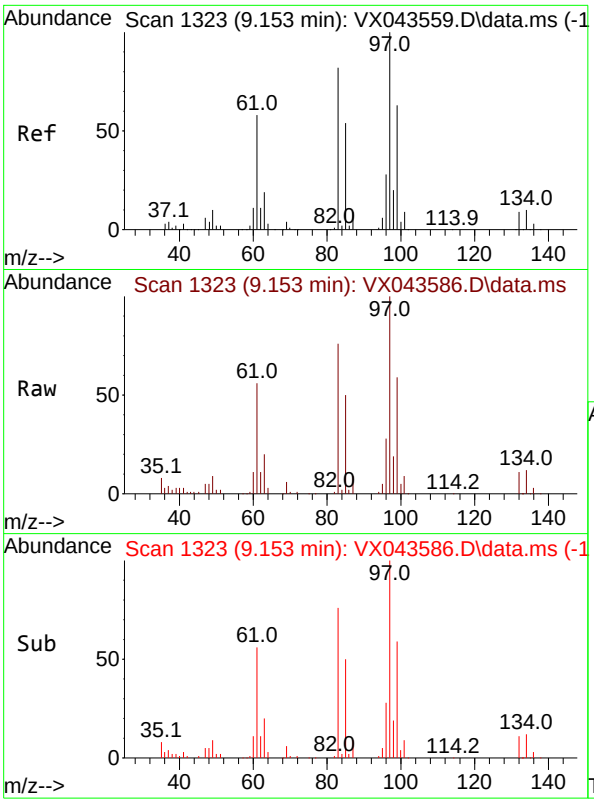


#54
cis-1,3-Dichloropropene
Concen: 19.517 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 70181

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	43.5	37.7	56.5



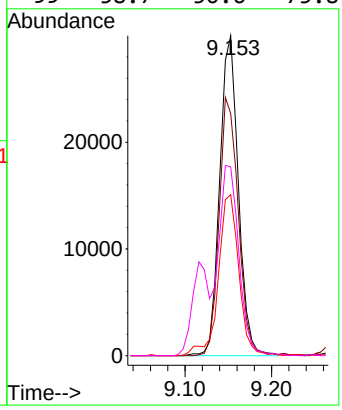


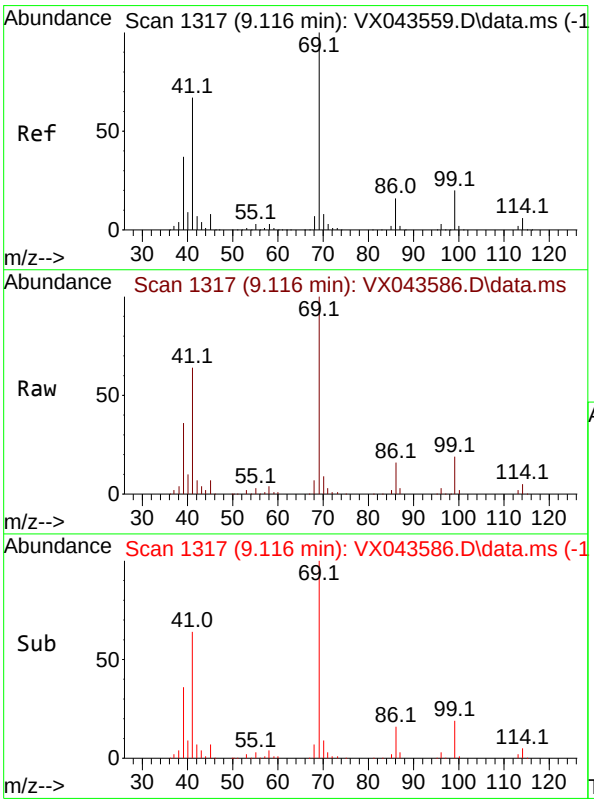
#55
1,1,2-Trichloroethane
Concen: 18.797 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 97 Resp: 44829

Ion	Ratio	Lower	Upper
97	100		
83	75.7	67.3	100.9
85	50.3	43.6	65.4
99	58.7	50.6	75.8

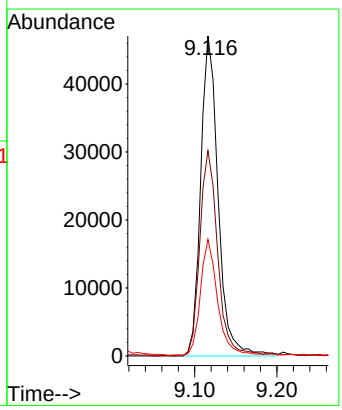


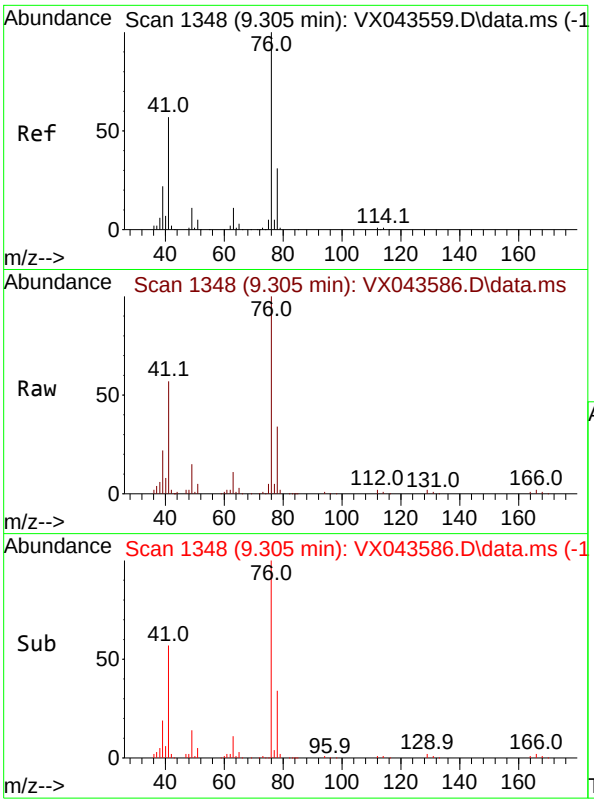


#56
Ethyl methacrylate
Concen: 17.934 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 69 Resp: 69497

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.8	80.8
39	35.5	29.9	44.9



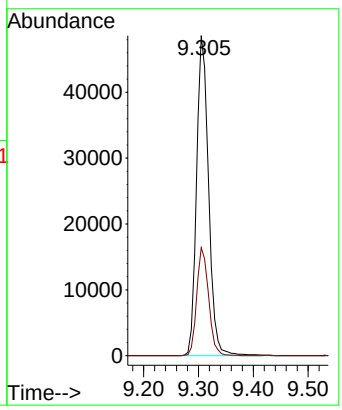


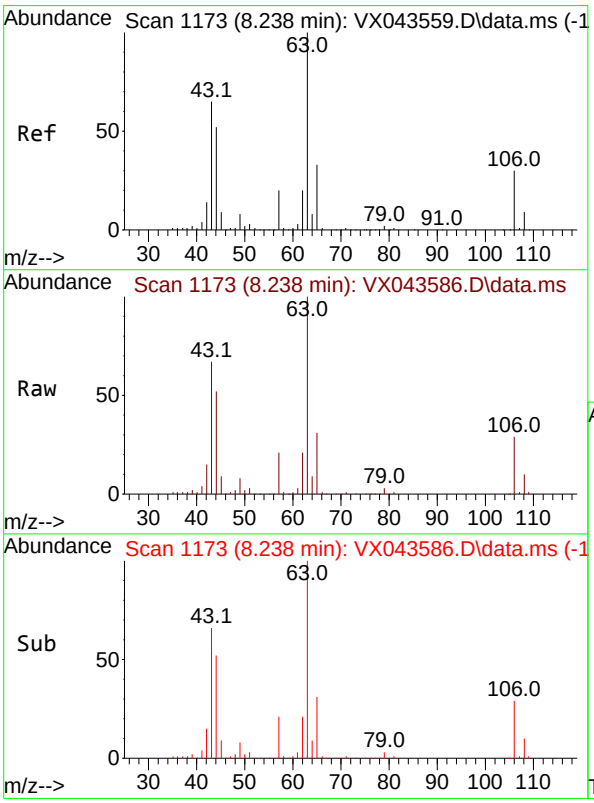
#57
1,3-Dichloropropane
Concen: 18.757 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 76 Resp: 74400

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.9	38.9

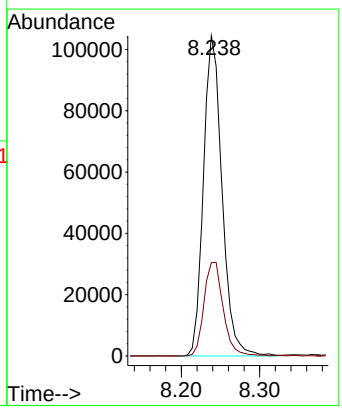


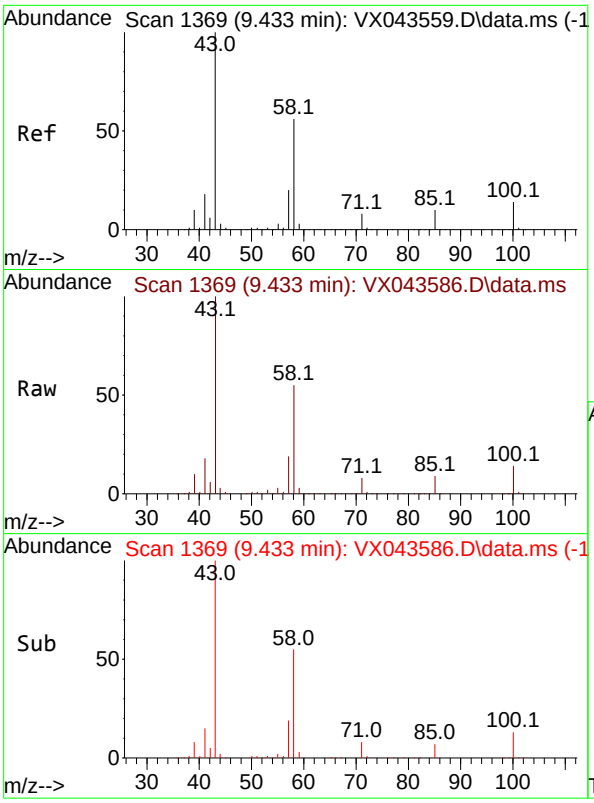


#58
2-Chloroethyl Vinyl ether
Concen: 91.703 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 63 Resp: 172110

Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.6	35.4



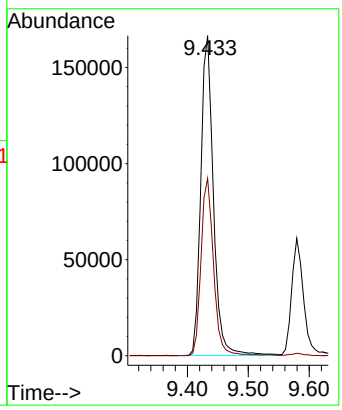


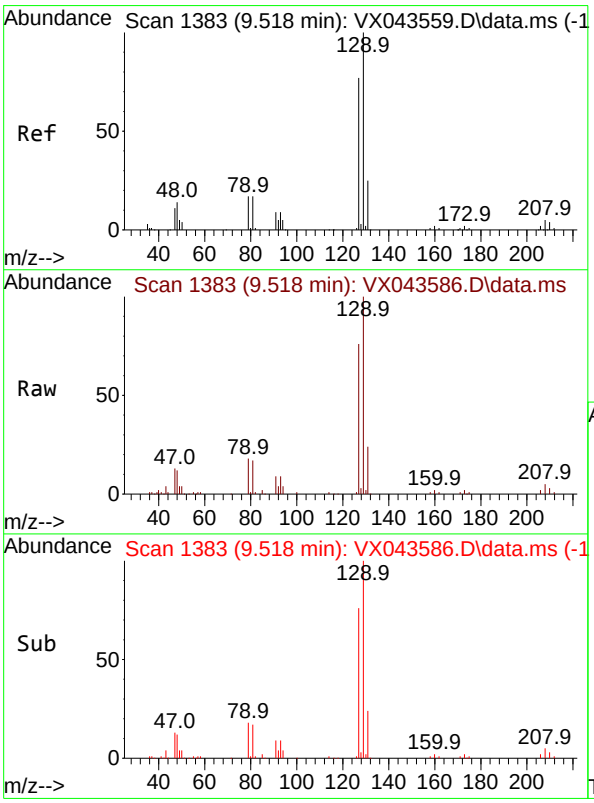
#59
2-Hexanone
Concen: 91.242 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 43 Resp: 240151

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.5	82.5

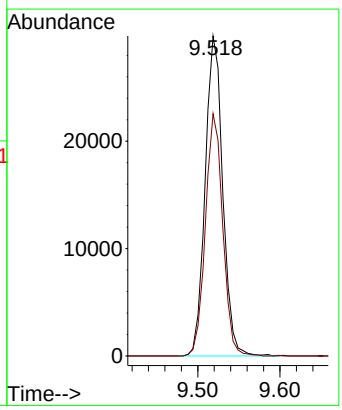


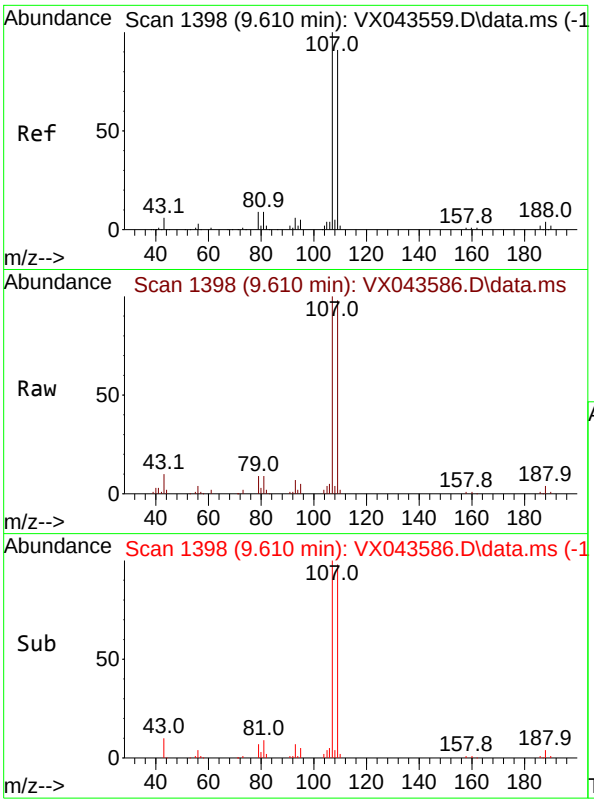


#60
Dibromochloromethane
Concen: 18.709 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:129 Resp: 44184

Ion	Ratio	Lower	Upper
129	100		
127	74.8	38.4	115.1



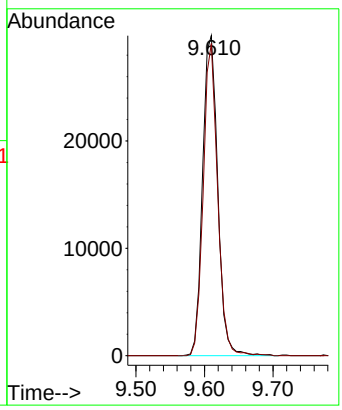


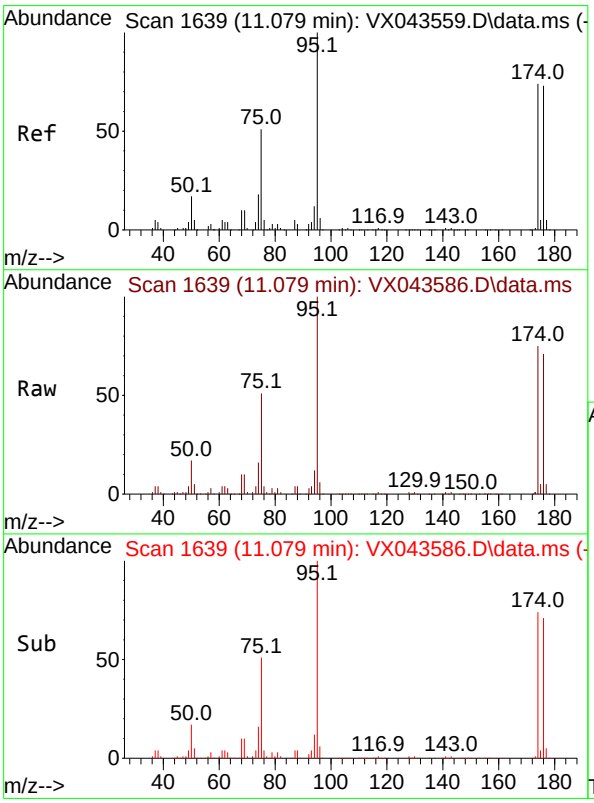
#61
1,2-Dibromoethane
Concen: 18.539 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:107 Resp: 45897

Ion	Ratio	Lower	Upper
107	100		
109	92.8	77.1	115.7

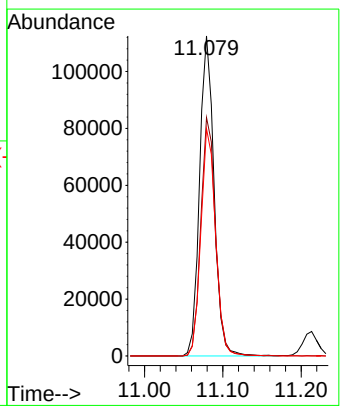


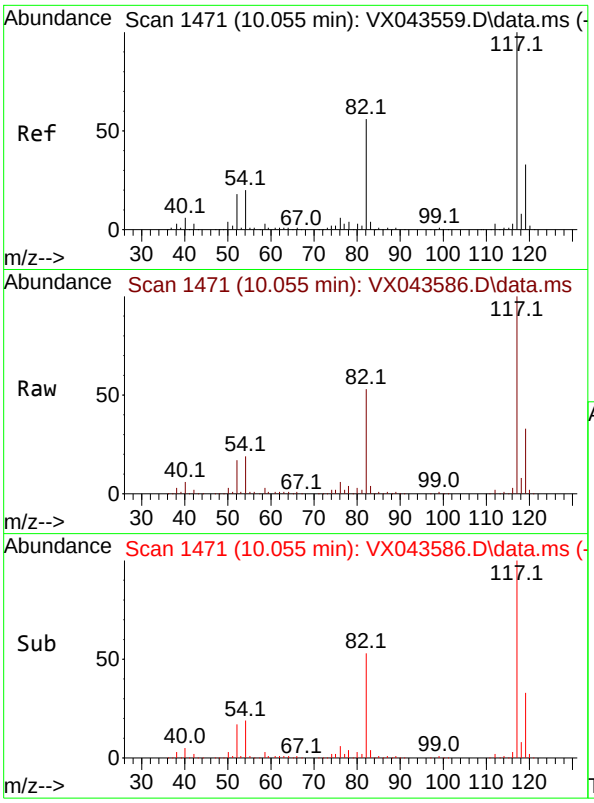


#62
4-Bromofluorobenzene
Concen: 47.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 95 Resp: 144111

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	146.6
176	72.4	0.0	139.6



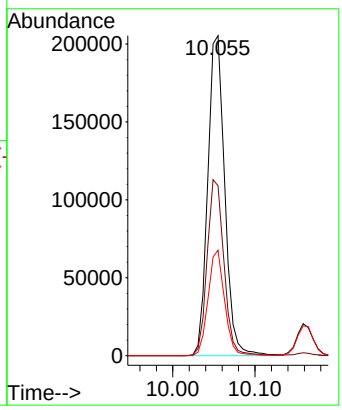


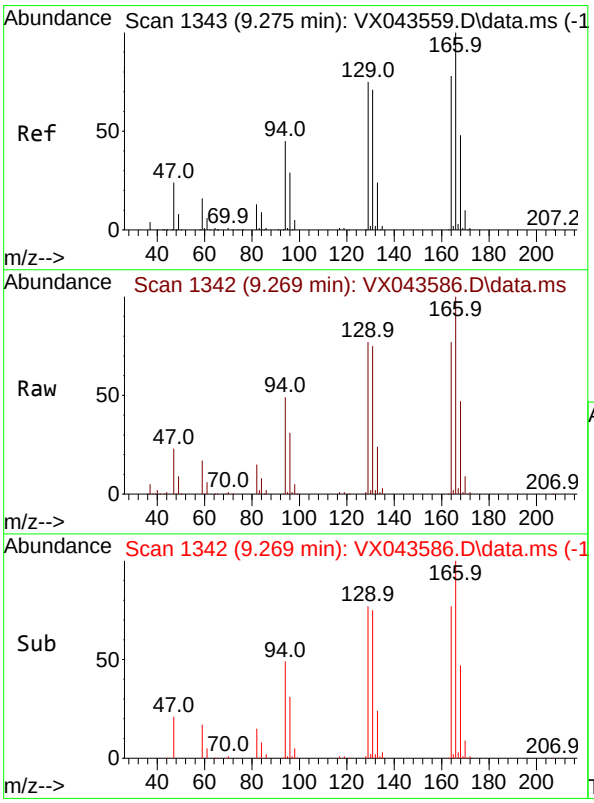
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:117 Resp: 294857

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	33.0	25.4	38.2

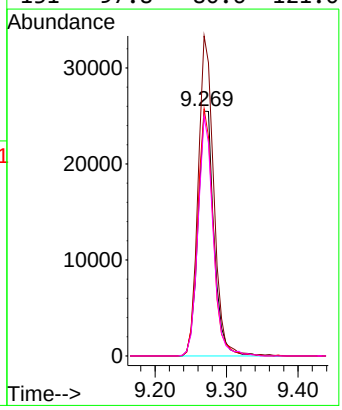


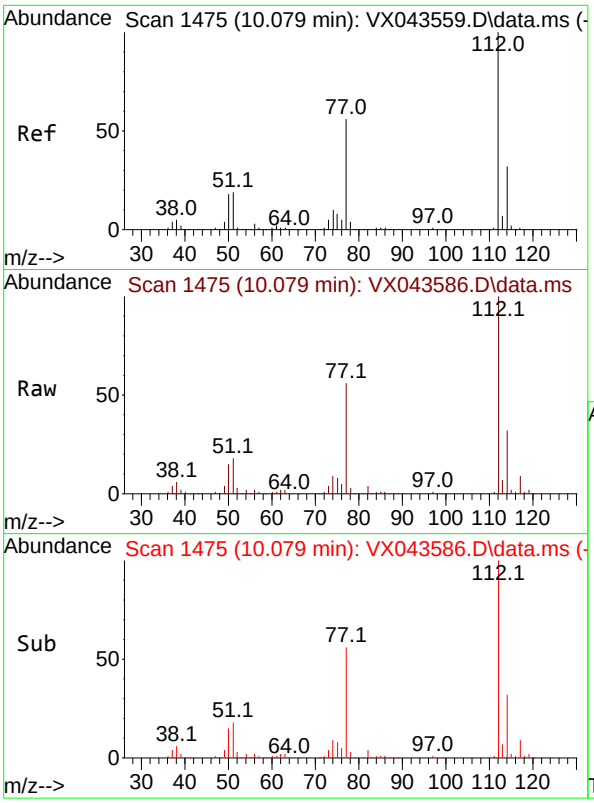


#64
Tetrachloroethene
Concen: 21.213 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:164 Resp: 39340

Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.8	155.6
129	101.0	83.8	125.6
131	97.8	80.6	121.0



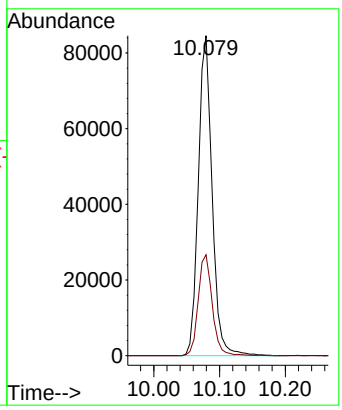


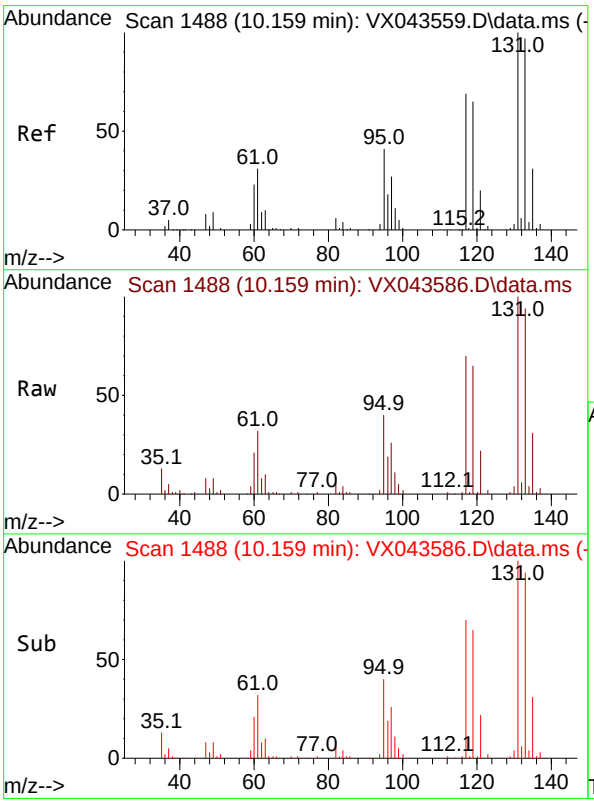
#65
Chlorobenzene
Concen: 19.435 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:112 Resp: 123286

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

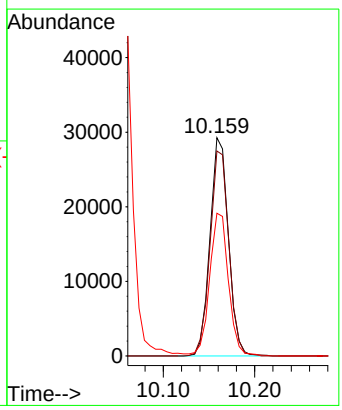


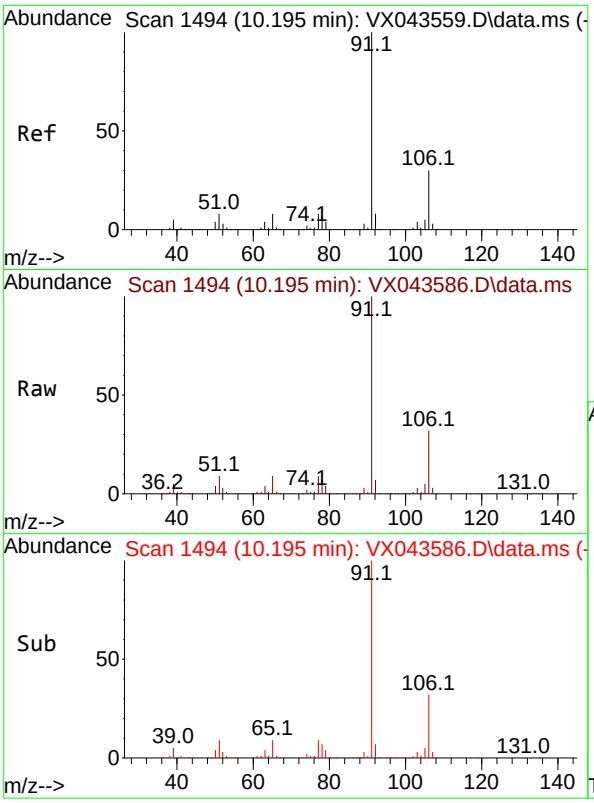


#66
1,1,1,2-Tetrachloroethane
Concen: 19.685 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:131 Resp: 40788

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.0
119	66.7	32.3	96.9



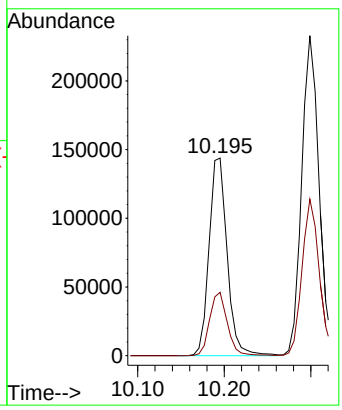


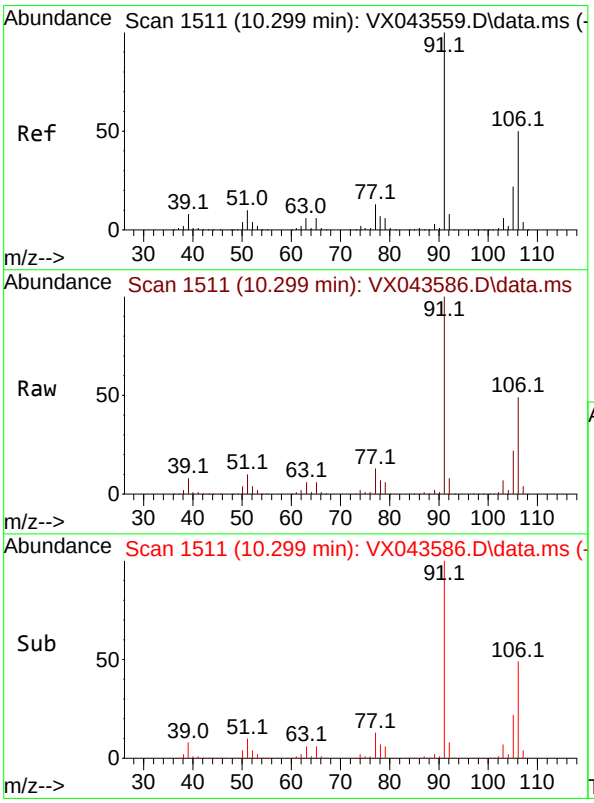
#67
Ethyl Benzene
Concen: 20.209 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 91 Resp: 209043

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.4	38.2

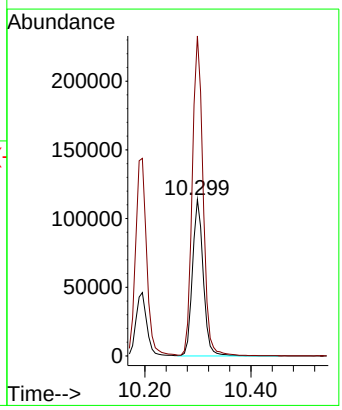


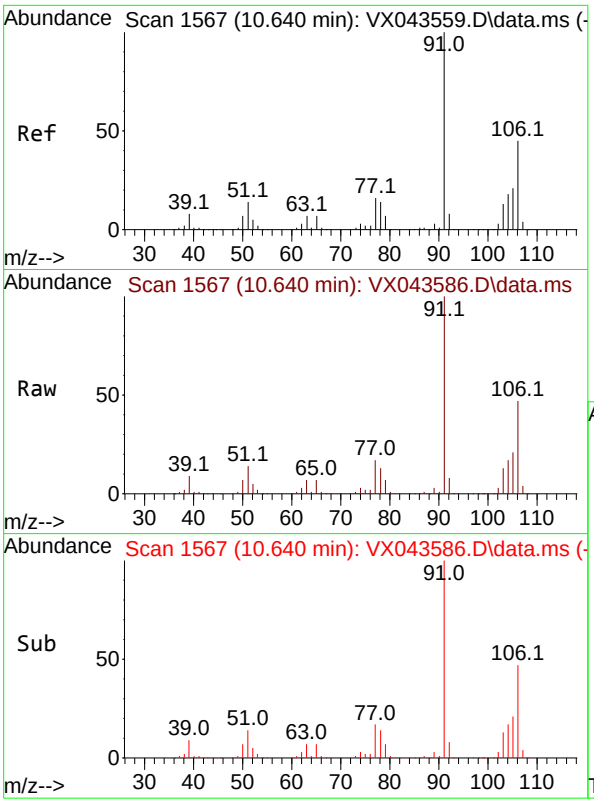


#68
m/p-Xylenes
Concen: 40.586 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:106 Resp: 160547

Ion	Ratio	Lower	Upper
106	100		
91	204.3	164.7	247.1



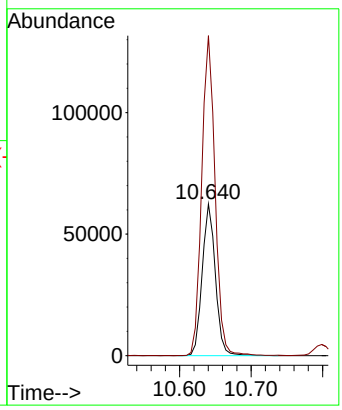


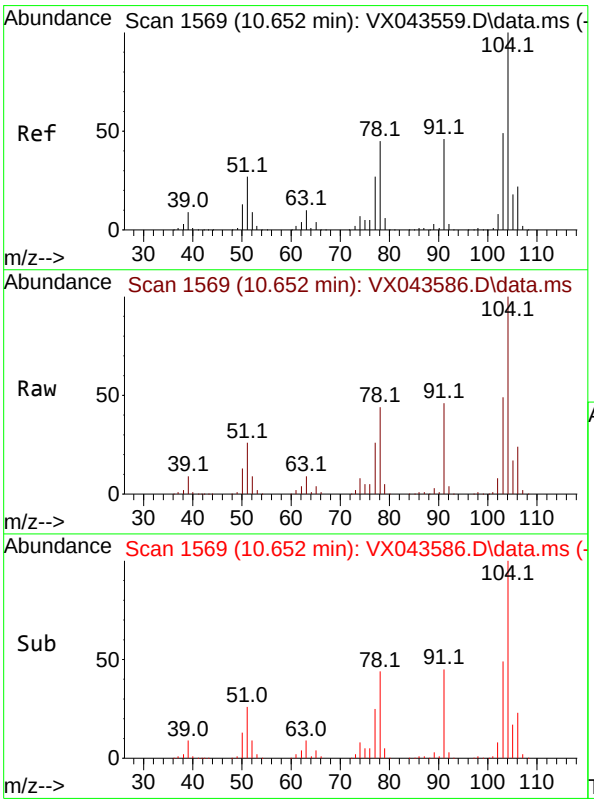
#69
o-Xylene
Concen: 20.128 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:106 Resp: 79997

Ion	Ratio	Lower	Upper
106	100		
91	213.4	107.9	323.7

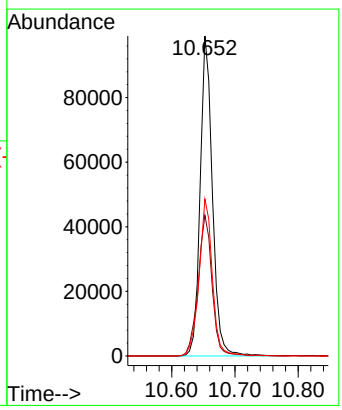


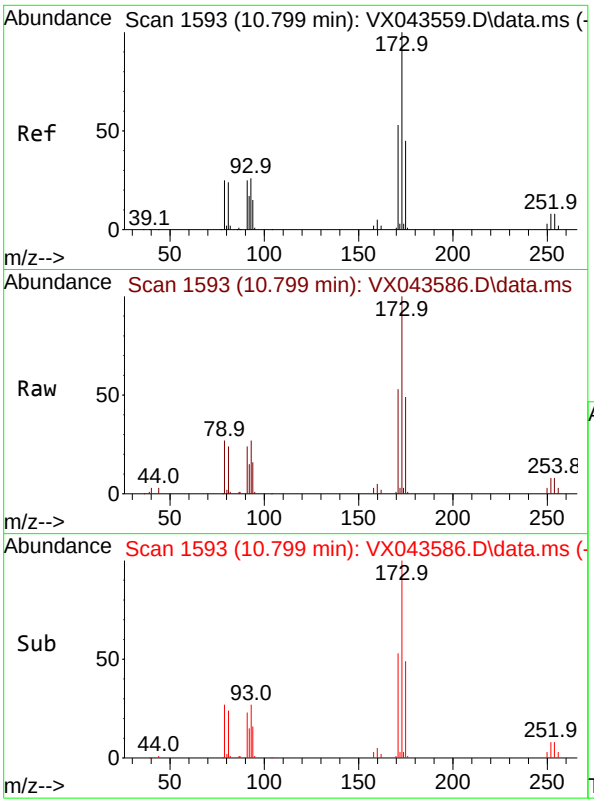


#70
Styrene
Concen: 20.223 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:104 Resp: 133590

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.0	60.0
103	53.3	43.4	65.0



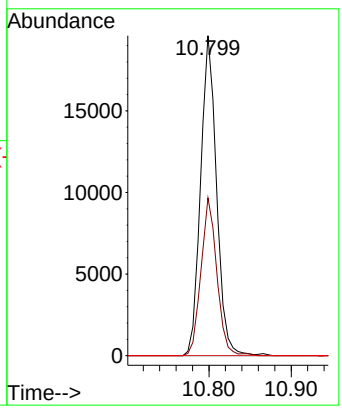


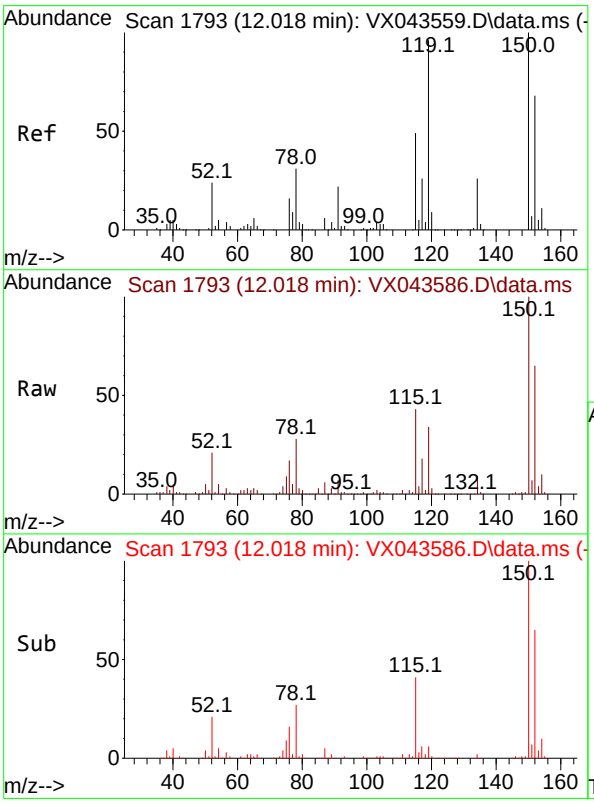
#71
Bromoform
Concen: 17.788 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:173 Resp: 26501

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.3	69.9
254	0.0	0.0	0.0

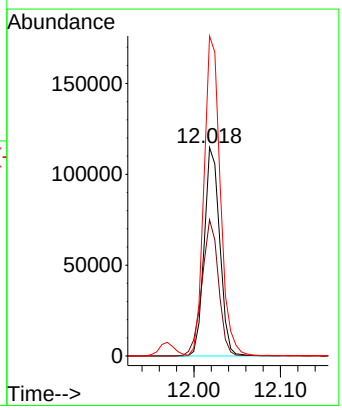


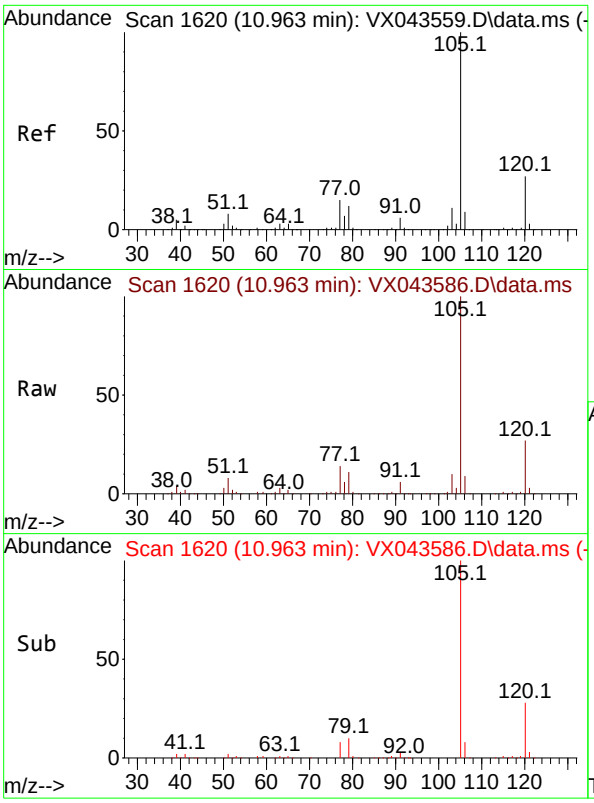


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:152 Resp: 142936

Ion	Ratio	Lower	Upper
152	100		
115	69.7	42.9	128.7
150	160.8	0.0	343.6



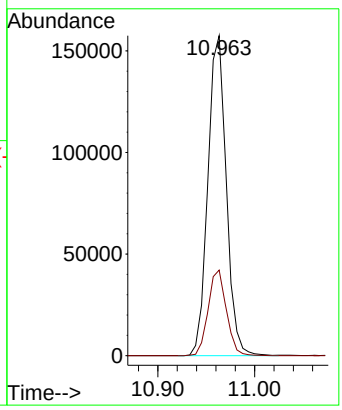


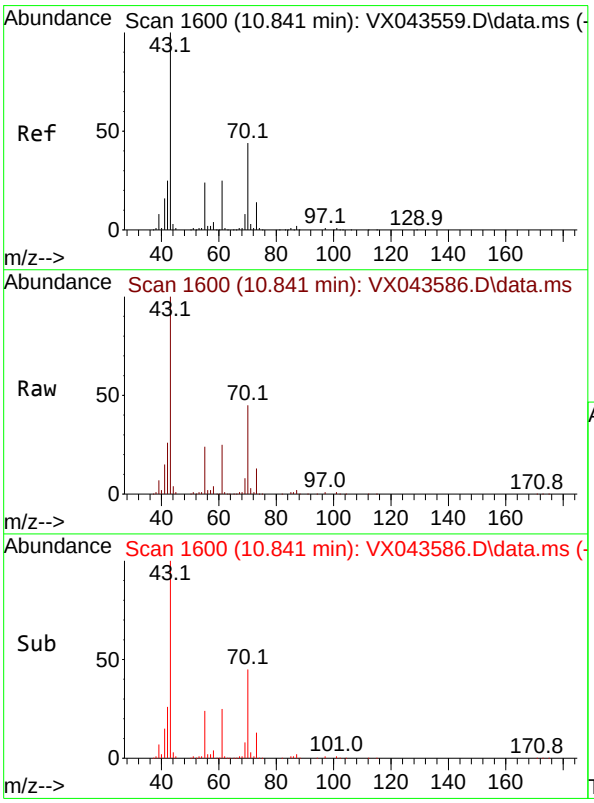
#73
Isopropylbenzene
Concen: 20.539 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:105 Resp: 207962

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

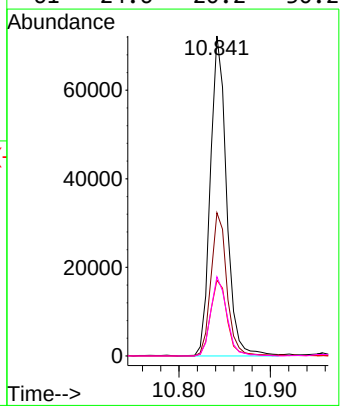


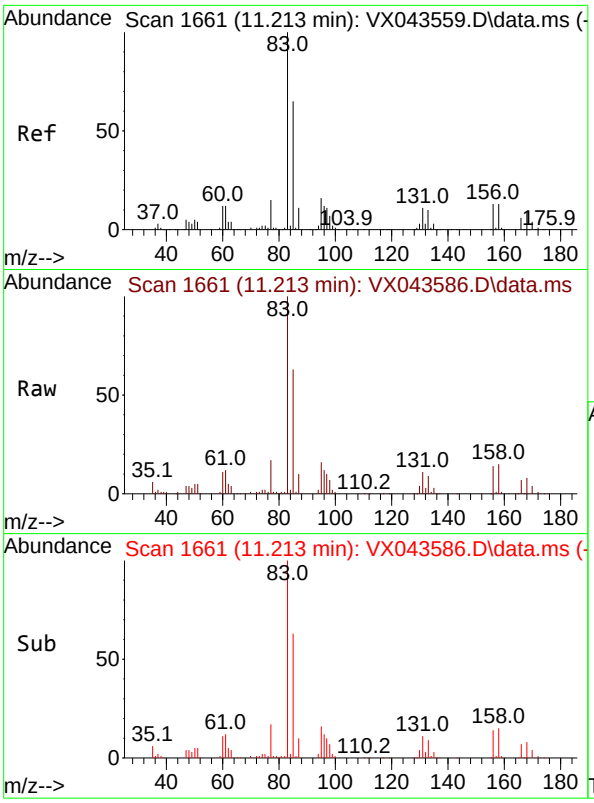


#74
N-amyl acetate
Concen: 18.058 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 43 Resp: 89068

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.6	52.0
55	24.4	19.6	29.4
61	24.6	20.2	30.2



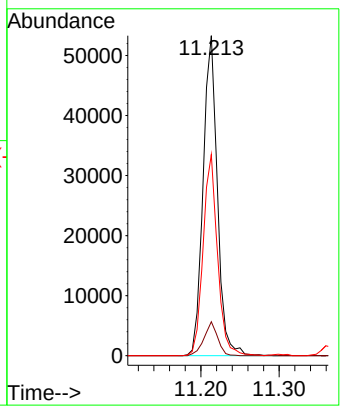


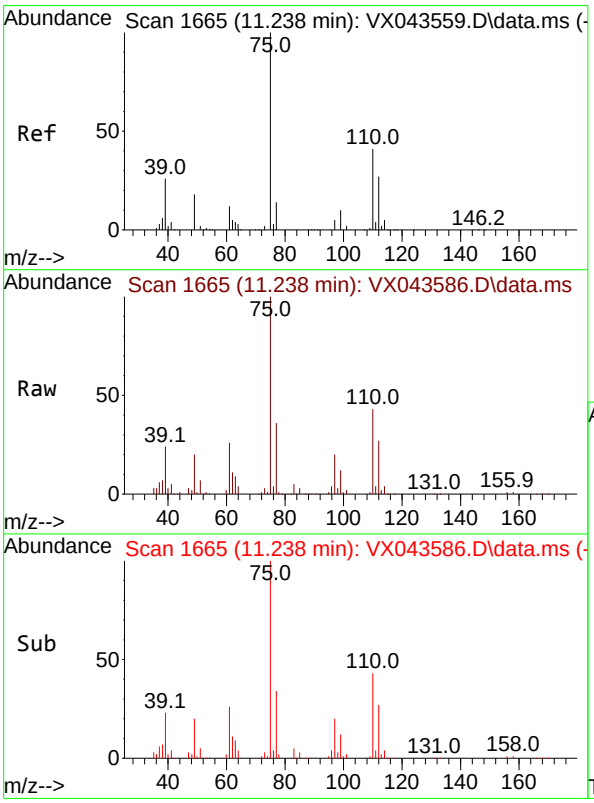
#75
1,1,2,2-Tetrachloroethane
Concen: 18.518 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 83 Resp: 67422

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	15.9
85	63.4	32.4	97.0

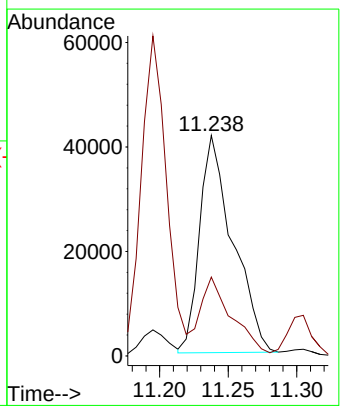


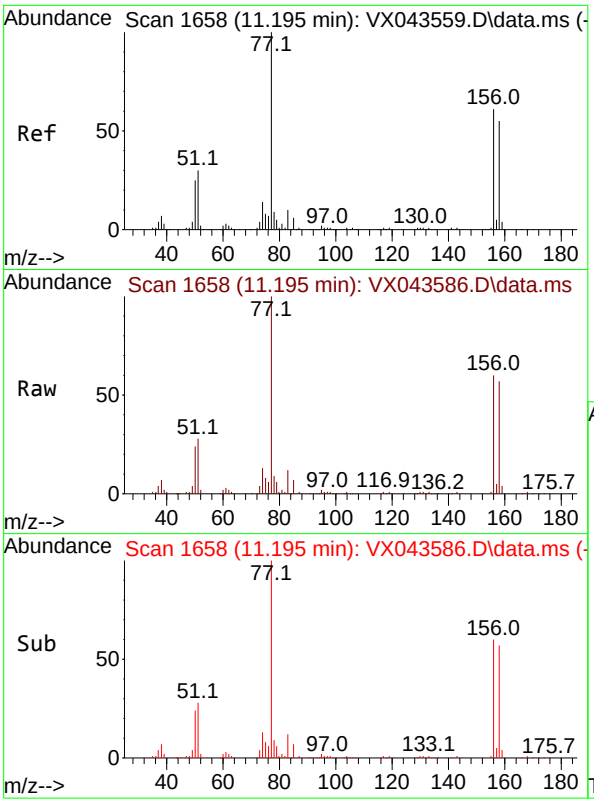


#76
1,2,3-Trichloropropane
Concen: 23.037 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 70406

Ion	Ratio	Lower	Upper
75	100		
77	34.8	22.4	67.2



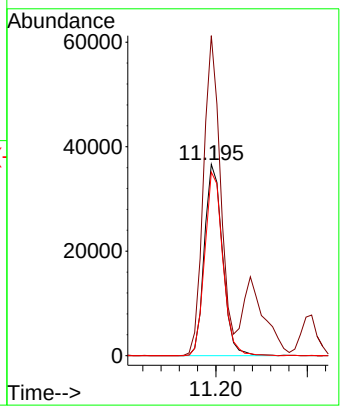


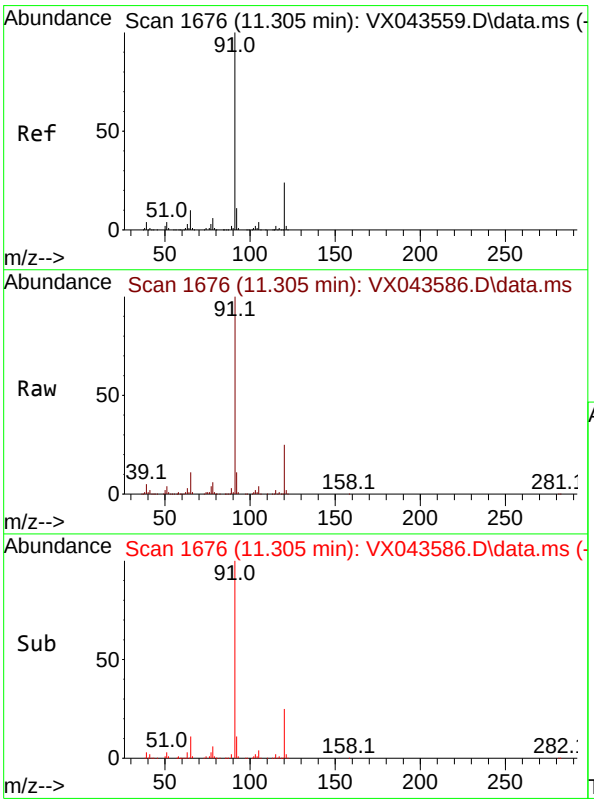
#77
Bromobenzene
Concen: 19.170 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:156 Resp: 50119

Ion	Ratio	Lower	Upper
156	100		
77	157.9	79.7	239.1
158	96.1	48.0	144.0

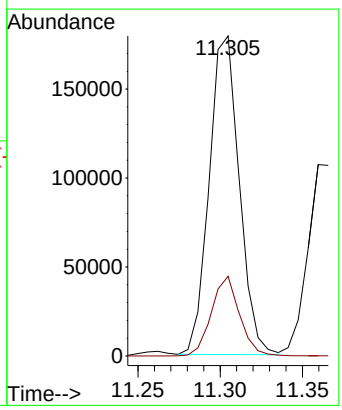


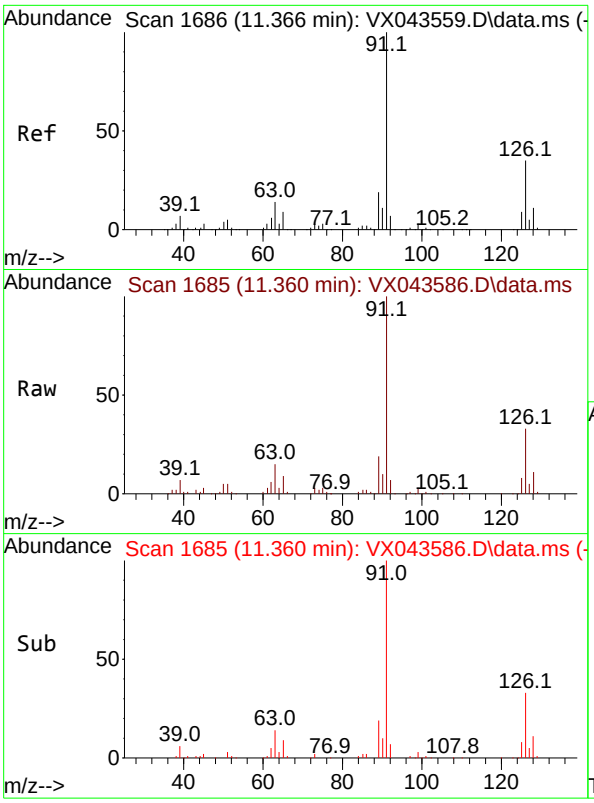


#78
n-propylbenzene
Concen: 20.630 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 91 Resp: 227750

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.7



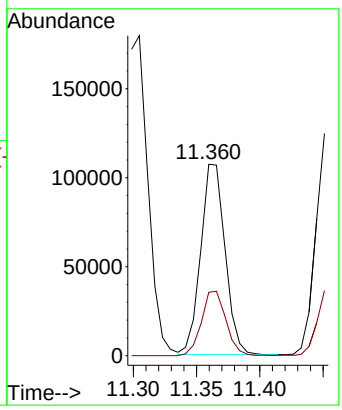


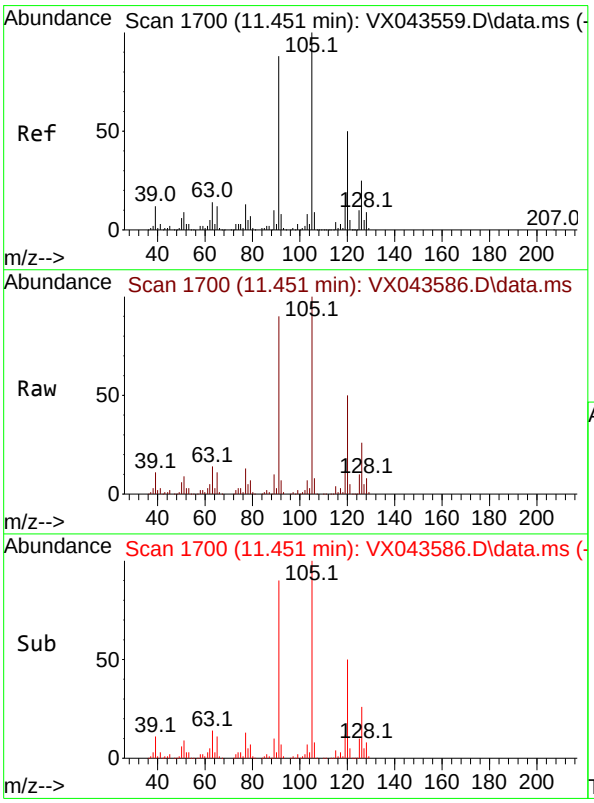
#79
2-Chlorotoluene
Concen: 19.657 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 91 Resp: 143898

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0

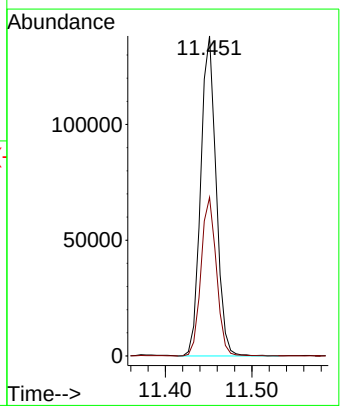


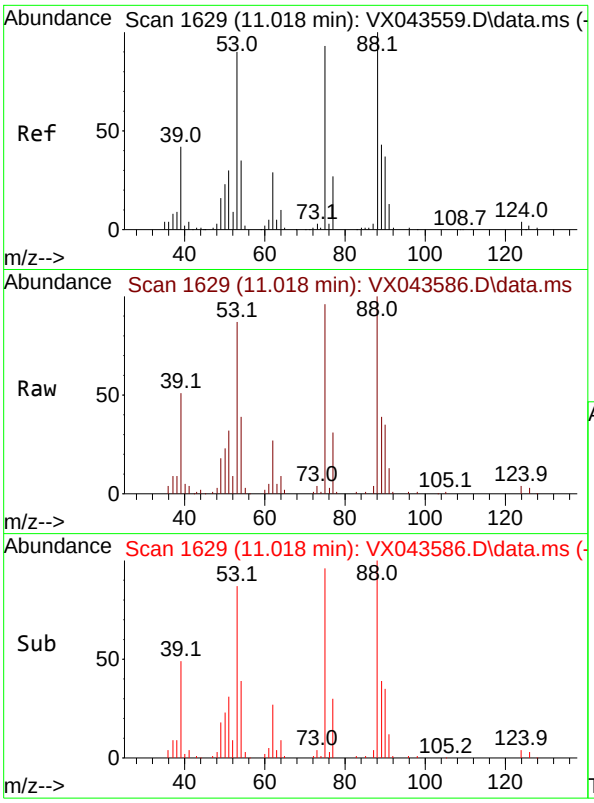


#80
1,3,5-Trimethylbenzene
Concen: 20.260 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:105 Resp: 171034

Ion	Ratio	Lower	Upper
105	100		
120	49.4	23.8	71.5



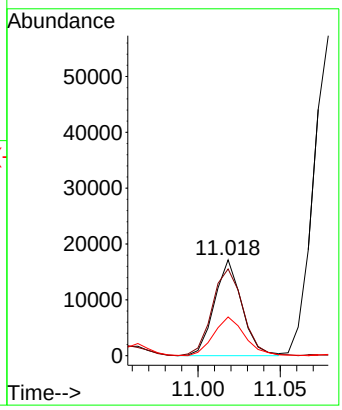


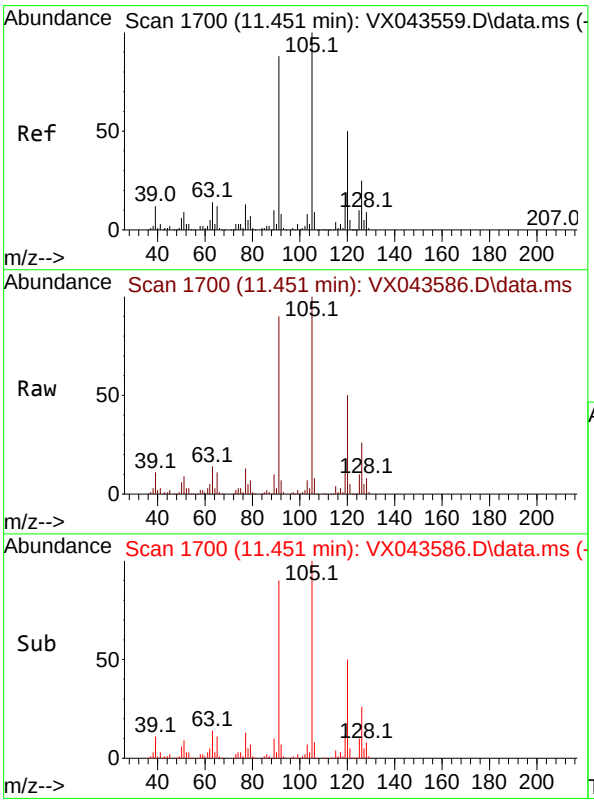
#81
trans-1,4-Dichloro-2-butene
Concen: 17.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 75 Resp: 19932

Ion	Ratio	Lower	Upper
75	100		
53	101.5	84.6	126.8
89	45.9	38.6	58.0

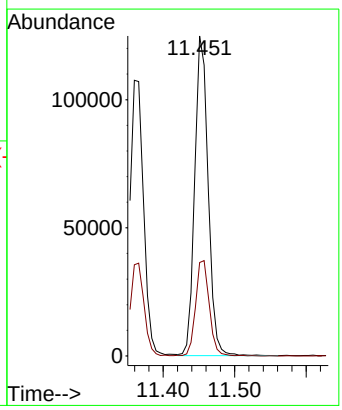


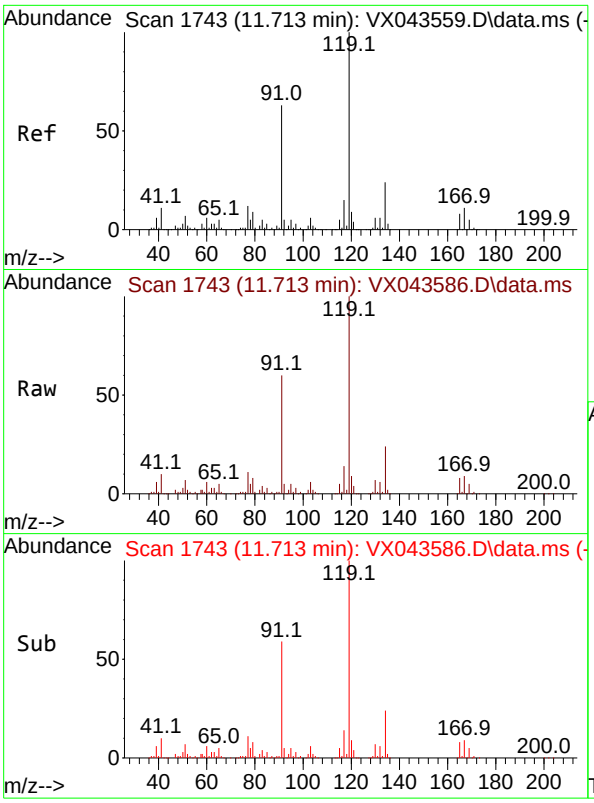


#82
4-Chlorotoluene
Concen: 19.767 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 91 Resp: 162418

Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.2	42.8



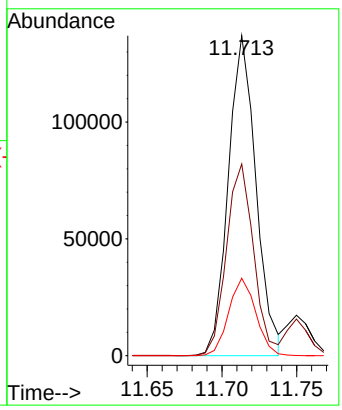


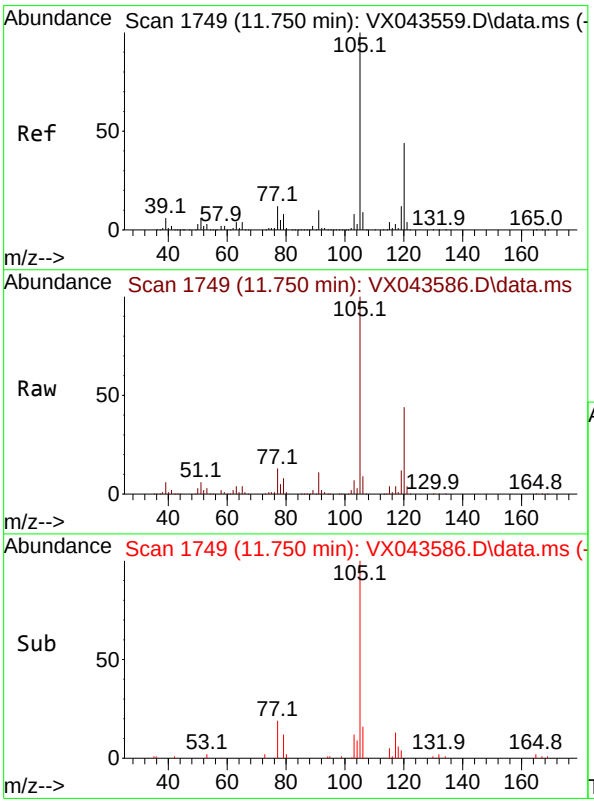
#83
tert-Butylbenzene
Concen: 20.537 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:119 Resp: 176326

Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.5	88.5
134	23.8	11.8	35.3

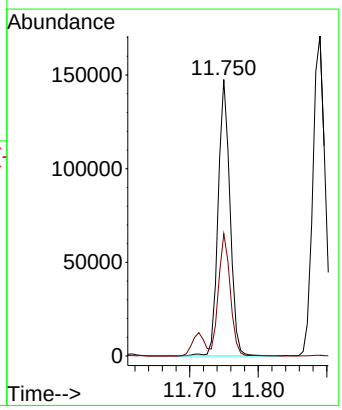


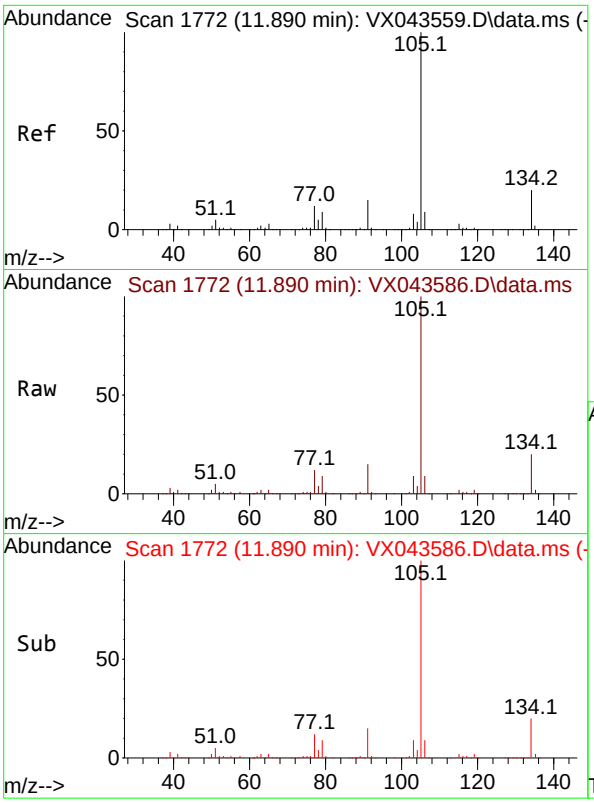


#84
1,2,4-Trimethylbenzene
Concen: 20.508 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:105 Resp: 176438

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



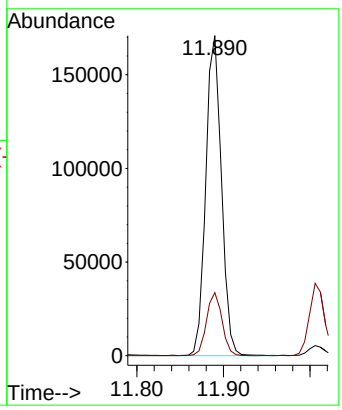


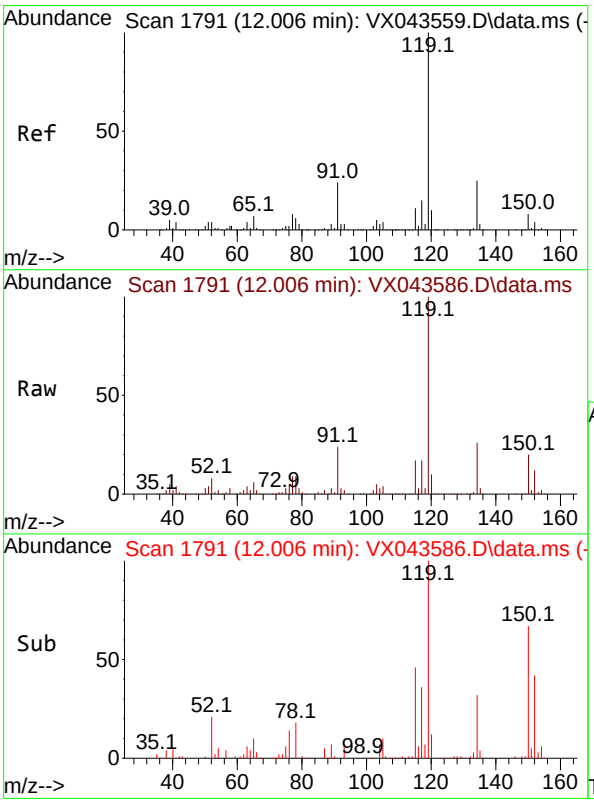
#85
sec-Butylbenzene
Concen: 21.308 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:105 Resp: 214438

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

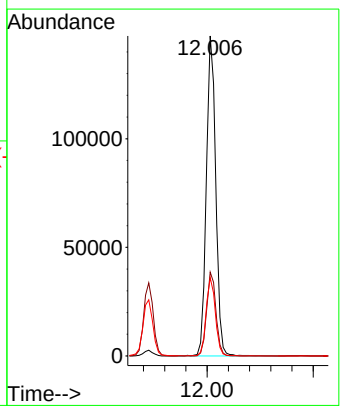


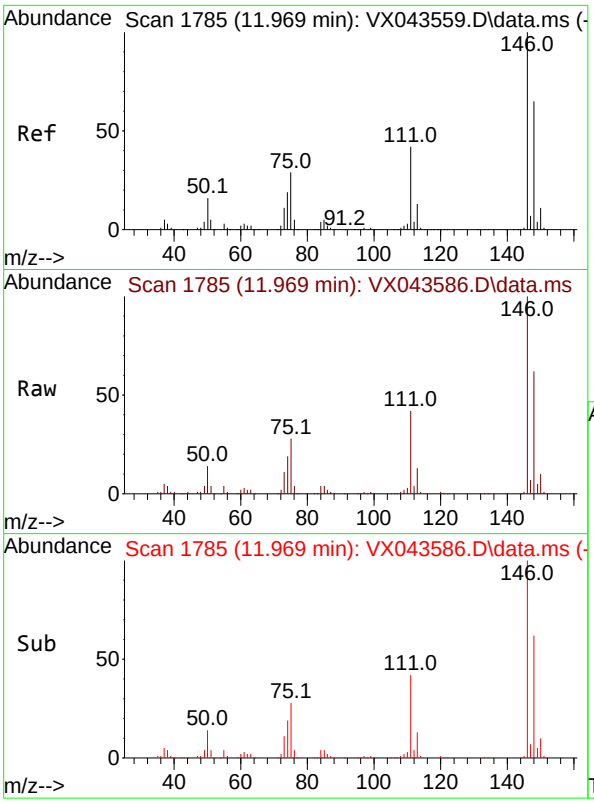


#86
p-Isopropyltoluene
Concen: 21.080 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:119 Resp: 180325

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	24.2	12.4	37.0



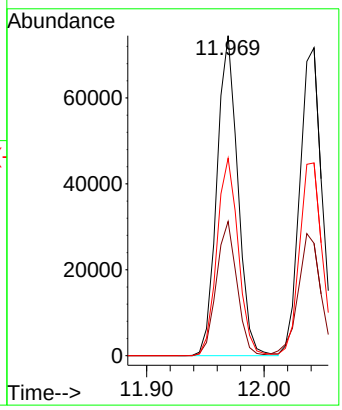


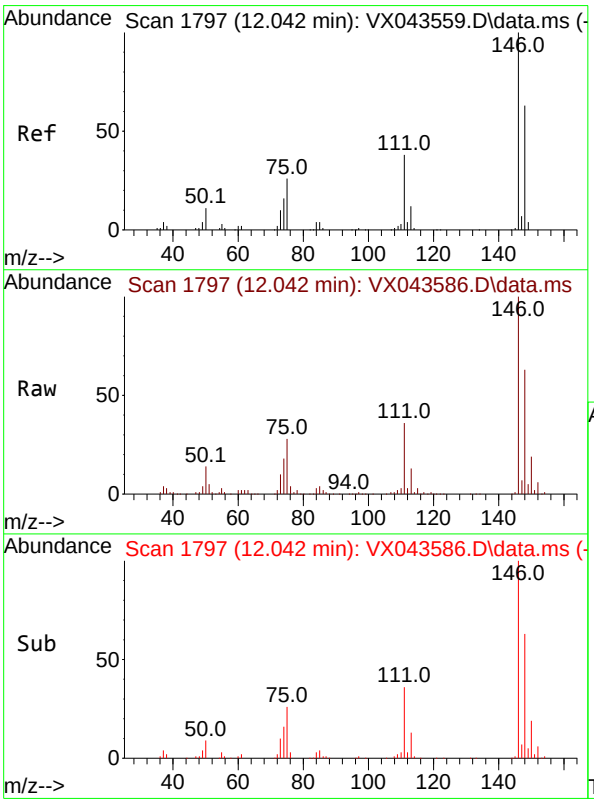
#87
1,3-Dichlorobenzene
Concen: 19.691 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:146 Resp: 92275

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.4
148	63.1	31.6	94.8

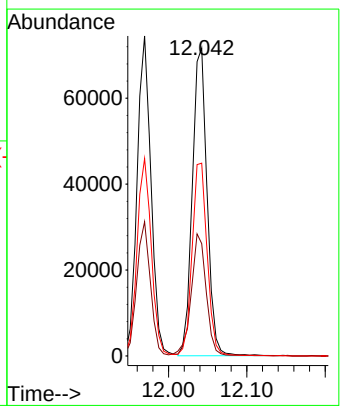


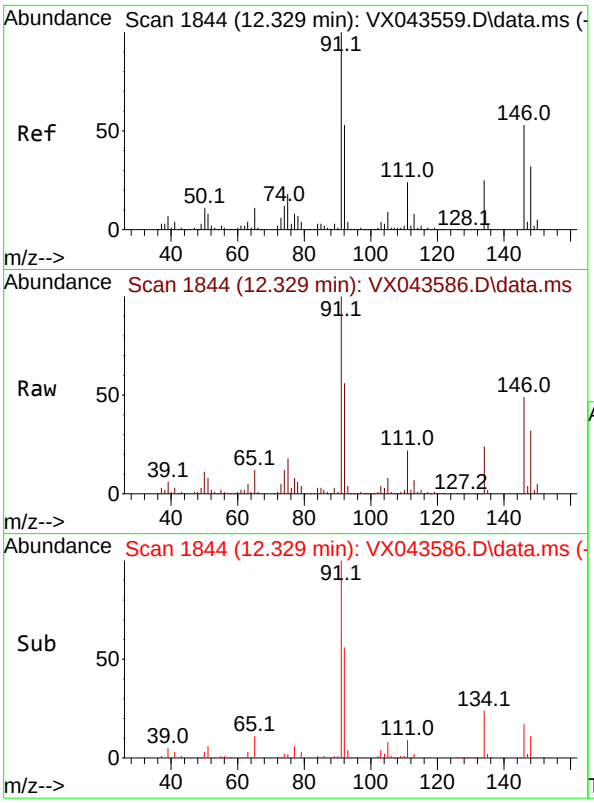


#88
1,4-Dichlorobenzene
Concen: 19.343 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:146 Resp: 93923

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.4	31.9	95.9



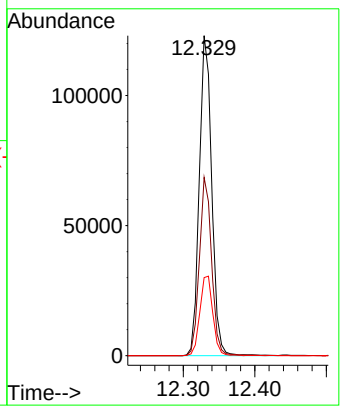


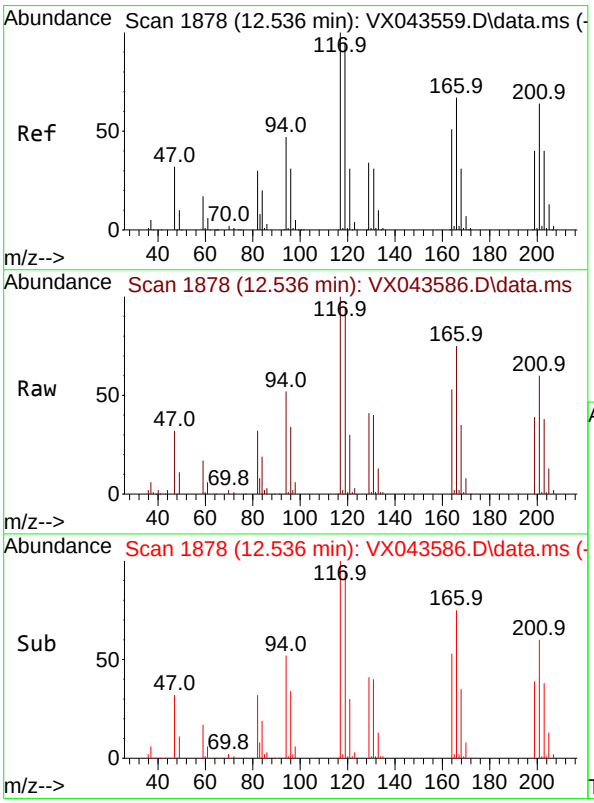
#89
n-Butylbenzene
Concen: 21.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion: 91 Resp: 148112

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.1	81.2
134	26.1	12.9	38.6

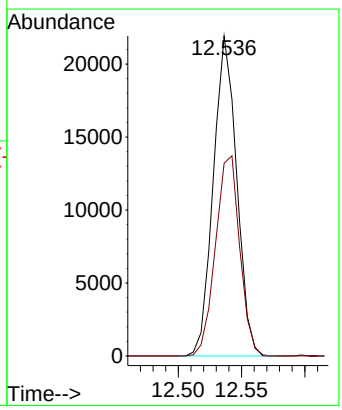


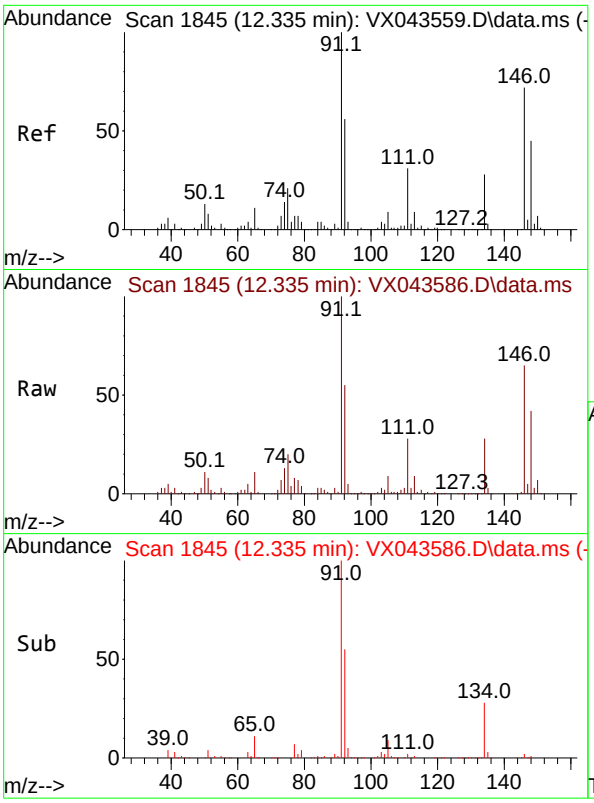


#90
Hexachloroethane
Concen: 20.210 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:117 Resp: 28082

Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.9	98.7



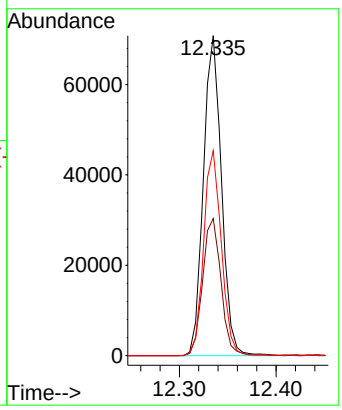


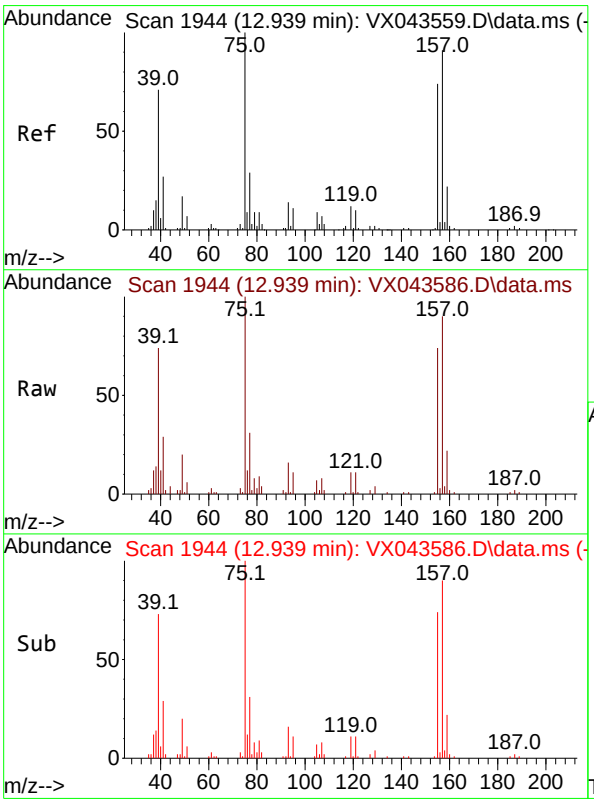
#91
1,2-Dichlorobenzene
Concen: 19.265 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:146 Resp: 92312

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	62.9	31.6	95.0

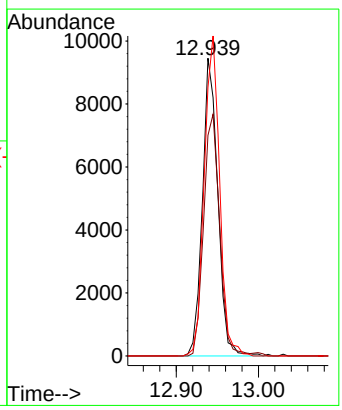


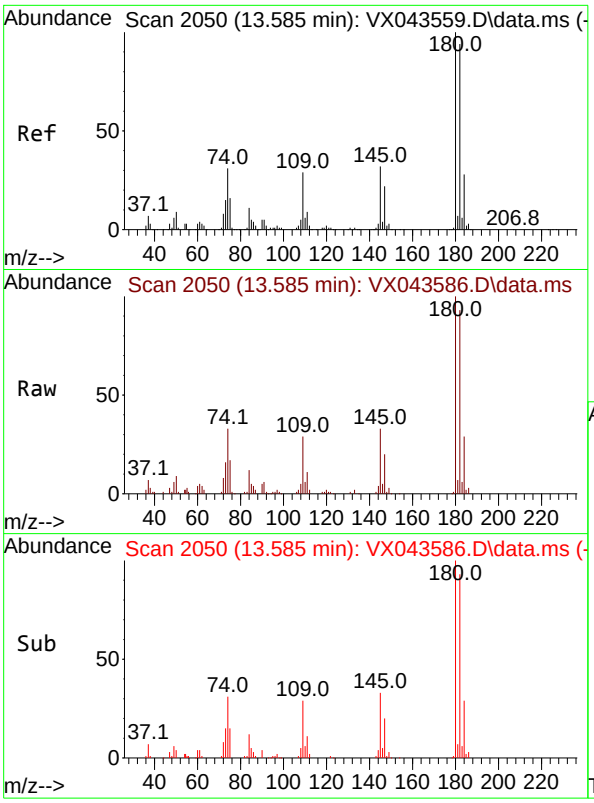


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion: 75 Resp: 12277

Ion	Ratio	Lower	Upper
75	100		
155	85.4	40.1	120.3
157	107.8	50.8	152.4



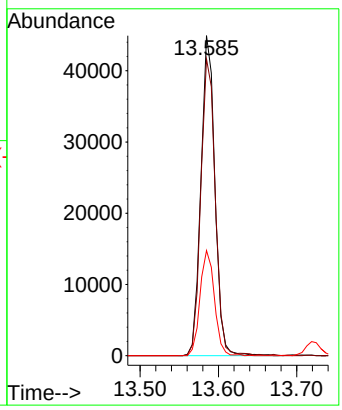


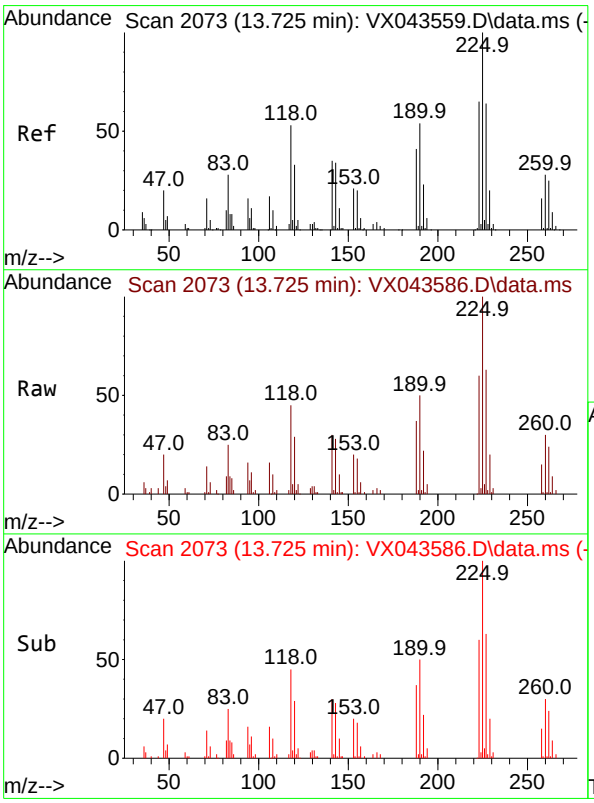
#93
1,2,4-Trichlorobenzene
Concen: 19.158 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:180 Resp: 55722

Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	33.8	16.1	48.3

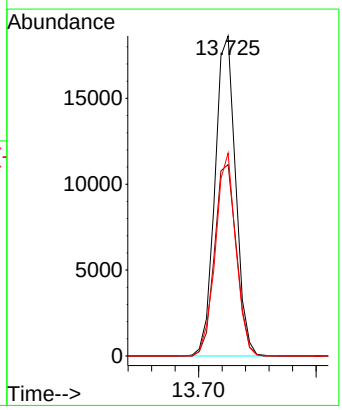


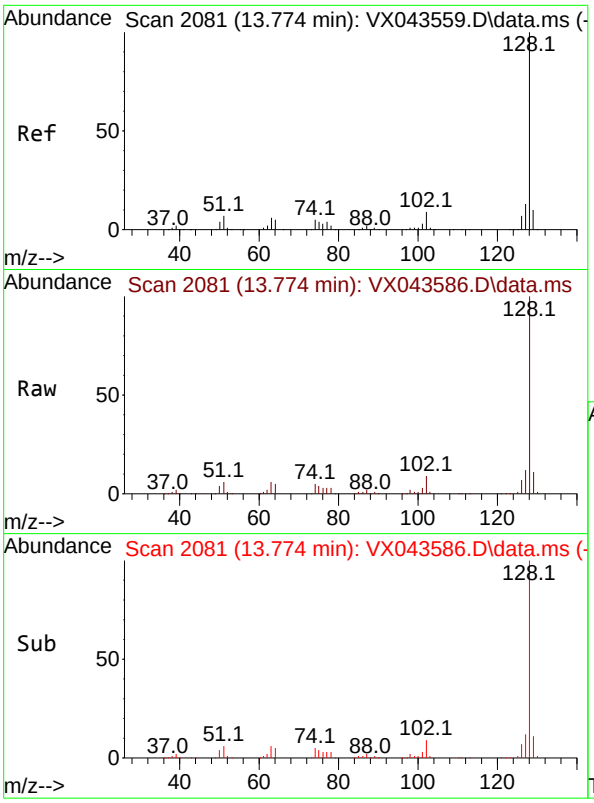


#94
Hexachlorobutadiene
Concen: 21.279 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:225 Resp: 22819

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.4
227	62.5	31.6	94.8



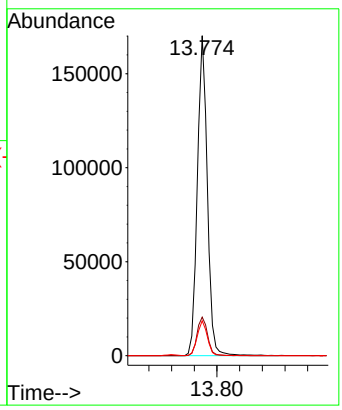


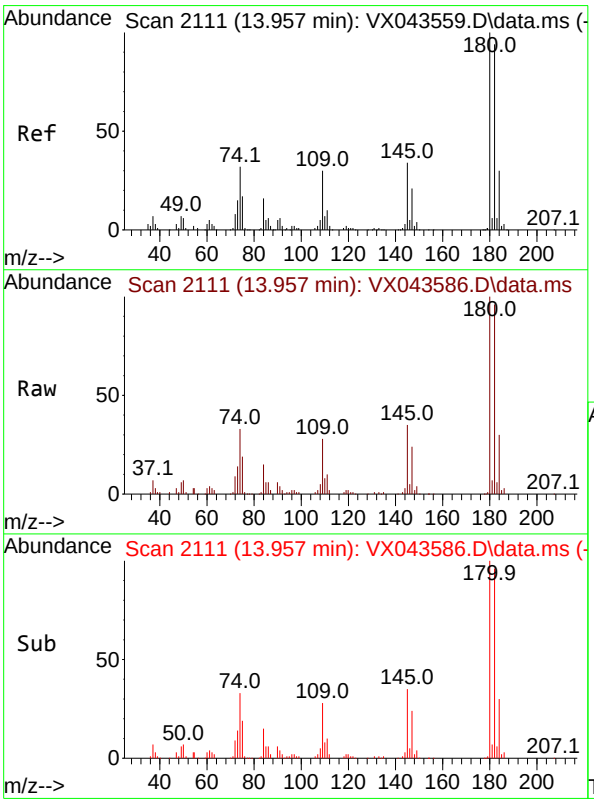
#95
Naphthalene
Concen: 18.643 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tgt Ion:128 Resp: 207496

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	8.7	13.1

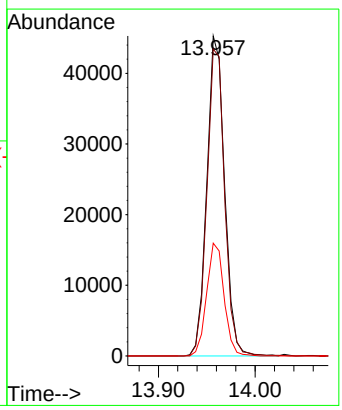




#96
1,2,3-Trichlorobenzene
Concen: 18.850 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043586.D
Acq: 29 Oct 2024 10:57

Tgt Ion:180 Resp: 57807

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	34.6	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	180366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	312050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123296	42.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.740%			
35) Dibromofluoromethane	5.385	113	99899	47.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.647	98	366426	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	11.079	95	135860	50.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35143	18.219	ug/l	98
3) Chloromethane	1.294	50	40942	16.605	ug/l	99
4) Vinyl Chloride	1.374	62	41339	18.065	ug/l	98
5) Bromomethane	1.593	94	17344	18.591	ug/l	94
6) Chloroethane	1.660	64	15277	18.949	ug/l	100
7) Trichlorofluoromethane	1.861	101	57506	20.570	ug/l	98
8) Diethyl Ether	2.136	74	23314	18.050	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	37452	19.809	ug/l	97
10) Methyl Iodide	2.441	142	53263	19.499	ug/l	96
11) Tert butyl alcohol	3.081	59	2661	4.957	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	36845	19.070	ug/l	96
13) Acrolein	2.239	56	39535	94.177	ug/l	100
14) Allyl chloride	2.660	41	61519	18.409	ug/l	97
15) Acrylonitrile	3.069	53	109405	90.270	ug/l	99
16) Acetone	2.392	43	109359	95.756	ug/l	100
17) Carbon Disulfide	2.502	76	73159	18.108	ug/l	99
18) Methyl Acetate	2.709	43	57203	17.138	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	131788	17.936	ug/l	97
20) Methylene Chloride	2.782	84	41826	16.993	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	38207	18.718	ug/l	93
22) Diisopropyl ether	3.764	45	127741	18.494	ug/l	97
23) Vinyl Acetate	3.721	43	526774	92.311	ug/l	99
24) 1,1-Dichloroethane	3.605	63	72922	18.368	ug/l	98
25) 2-Butanone	4.562	43	152135	91.321	ug/l	100
26) 2,2-Dichloropropane	4.465	77	61908	19.050	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	48502	18.602	ug/l	99
28) Bromochloromethane	4.898	49	35416	18.753	ug/l	100
29) Tetrahydrofuran	5.007	42	96260	88.912	ug/l	98
30) Chloroform	5.086	83	75982	18.258	ug/l	98
31) Cyclohexane	5.458	56	60944	20.070	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	66644	19.074	ug/l	98
36) 1,1-Dichloropropene	5.684	75	50726	20.217	ug/l	99
37) Ethyl Acetate	4.715	43	57527	18.885	ug/l	98
38) Carbon Tetrachloride	5.672	117	55313	19.952	ug/l	95
39) Methylcyclohexane	7.373	83	65547	21.041	ug/l	95
40) Benzene	6.031	78	162811	19.451	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	30340	18.975	ug/l		96
42) 1,2-Dichloroethane	6.086	62	57693	19.172	ug/l		98
43) Isopropyl Acetate	6.342	43	94365	18.732	ug/l		98
44) Trichloroethene	7.123	130	40576	19.513	ug/l		98
45) 1,2-Dichloropropane	7.428	63	39286	19.061	ug/l		98
46) Dibromomethane	7.580	93	30214	19.039	ug/l		98
47) Bromodichloromethane	7.818	83	52666	18.918	ug/l		96
48) Methyl methacrylate	7.696	41	45342	18.984	ug/l		98
49) 1,4-Dioxane	7.671	88	22833	465.320	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	303410	98.818	ug/l		100
52) Toluene	8.720	92	102358	20.164	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	57218	19.136	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	64125	20.128	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	42874	20.290	ug/l		96
56) Ethyl methacrylate	9.116	69	67171	19.564	ug/l		97
57) 1,3-Dichloropropane	9.305	76	69379	19.741	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	161188	96.934	ug/l		98
59) 2-Hexanone	9.433	43	235915	101.166	ug/l		100
60) Dibromochloromethane	9.519	129	41001	19.595	ug/l		98
61) 1,2-Dibromoethane	9.610	107	43112	19.655	ug/l		97
64) Tetrachloroethene	9.275	164	35803	21.083	ug/l		94
65) Chlorobenzene	10.079	112	114879	19.776	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39255	20.689	ug/l		99
67) Ethyl Benzene	10.195	91	191684	20.237	ug/l		97
68) m/p-Xylenes	10.299	106	151758	41.895	ug/l		95
69) o-Xylene	10.640	106	75831	20.836	ug/l		97
70) Styrene	10.653	104	124213	20.534	ug/l		99
71) Bromoform	10.799	173	25655	18.805	ug/l	#	96
73) Isopropylbenzene	10.963	105	190648	20.509	ug/l		99
74) N-amyl acetate	10.842	43	86862	19.182	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65393	19.563	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	69567	24.794	ug/l		85
77) Bromobenzene	11.195	156	46994	19.579	ug/l		99
78) n-propylbenzene	11.305	91	208848	20.606	ug/l		99
79) 2-Chlorotoluene	11.366	91	133377	19.846	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	161261	20.806	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	18827	18.460	ug/l		98
82) 4-Chlorotoluene	11.451	91	150670	19.974	ug/l		99
83) tert-Butylbenzene	11.713	119	165824	21.037	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	163892	20.749	ug/l		99
85) sec-Butylbenzene	11.890	105	197051	21.328	ug/l		100
86) p-Isopropyltoluene	12.006	119	164691	20.970	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	85827	19.950	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	85335	19.143	ug/l		99
89) n-Butylbenzene	12.329	91	132178	20.655	ug/l		98
90) Hexachloroethane	12.536	117	25551	20.029	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	88551	20.129	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12736	18.690	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	51206	19.176	ug/l		97
94) Hexachlorobutadiene	13.725	225	20393	20.713	ug/l		98
95) Naphthalene	13.774	128	200939	19.665	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	53643	19.053	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

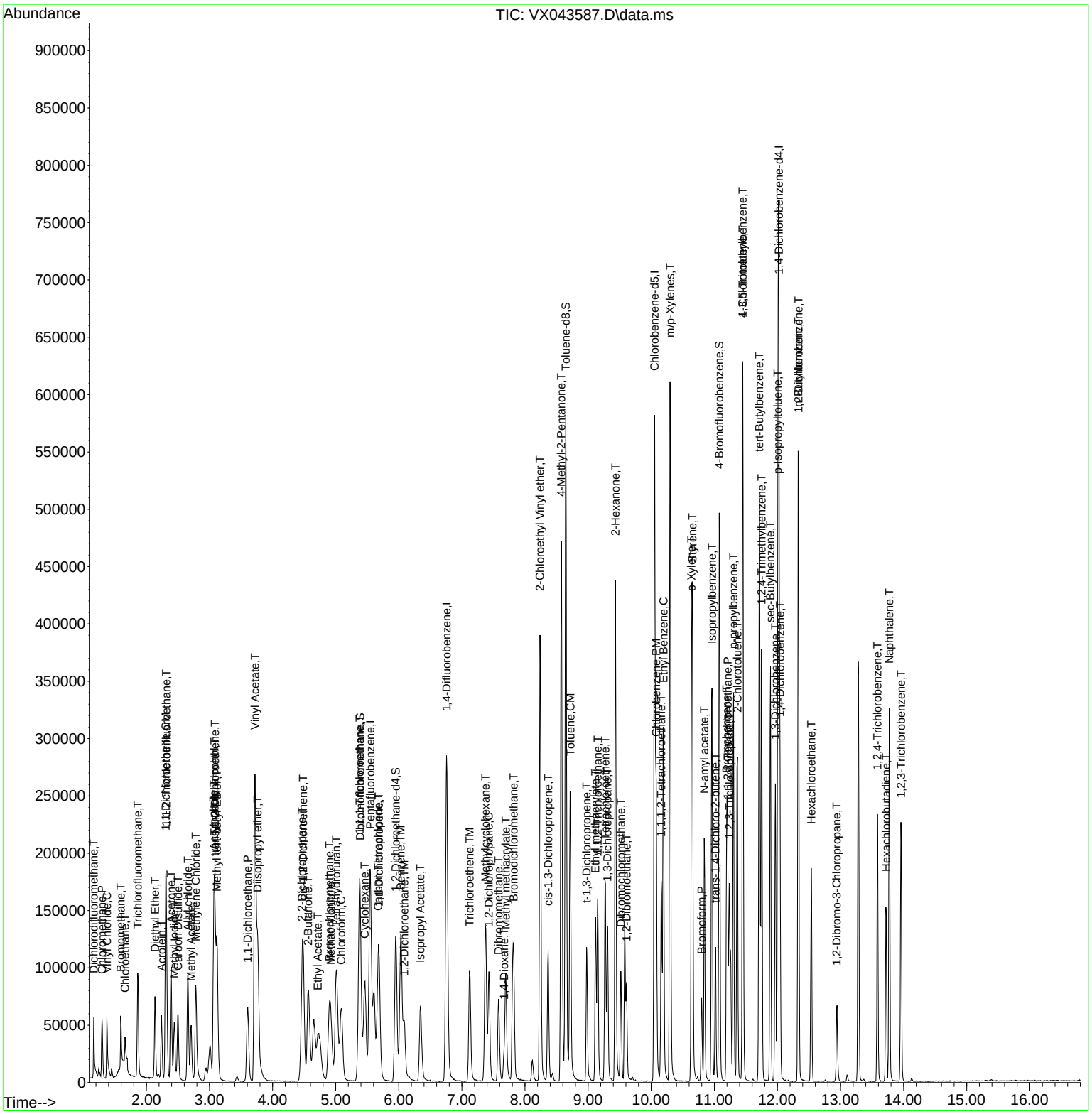
(#) = qualifier out of range (m) = manual integration (+) = signals summed

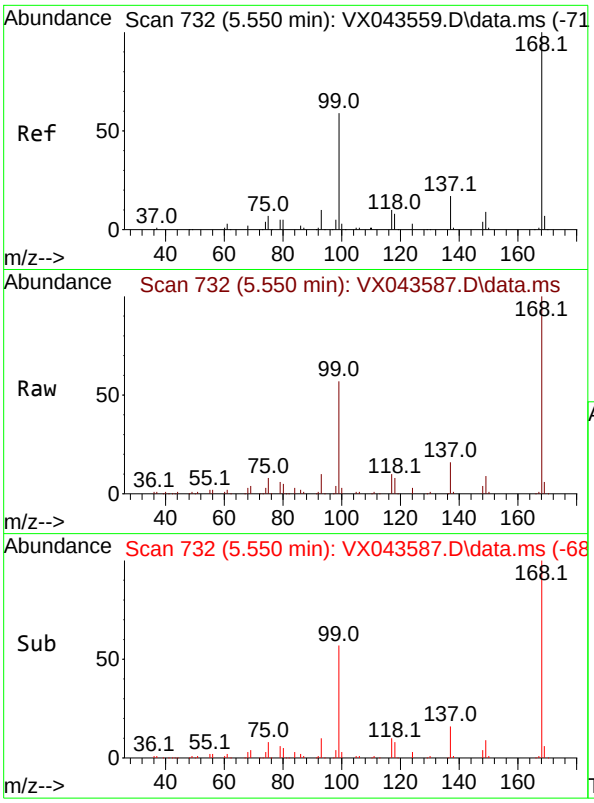
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



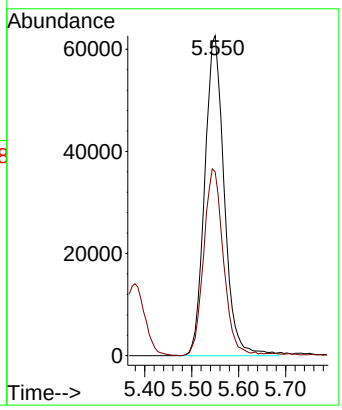


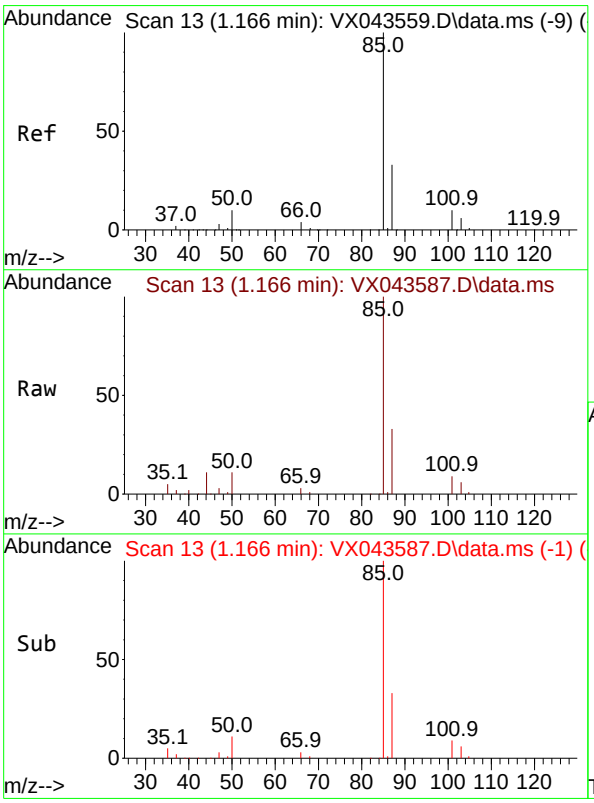
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:168 Resp: 180366

Ion	Ratio	Lower	Upper
168	100		
99	57.3	52.6	78.8

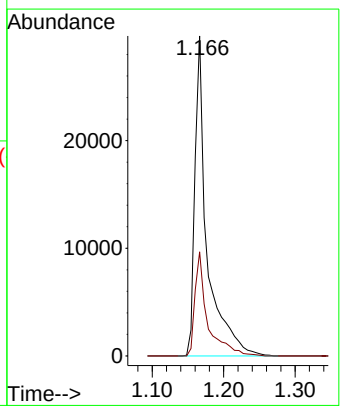


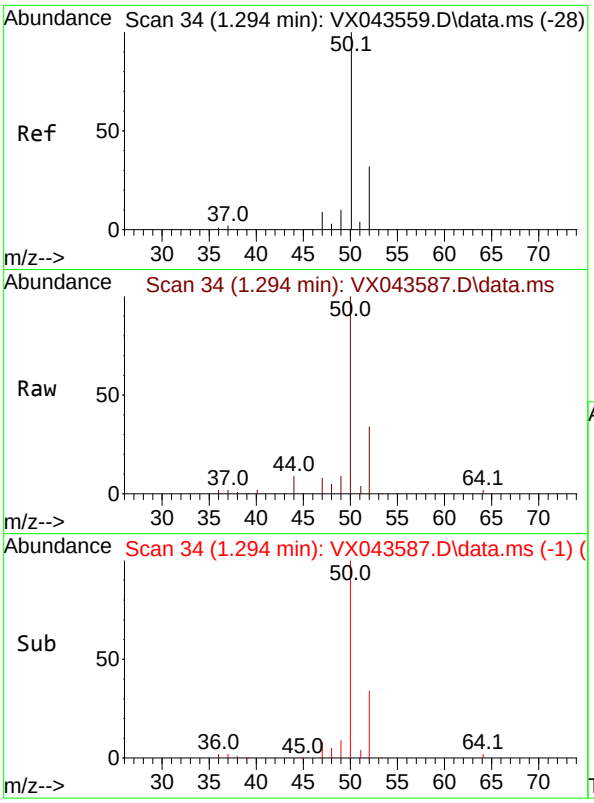


#2
Dichlorodifluoromethane
Concen: 18.219 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 85 Resp: 35143

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.0



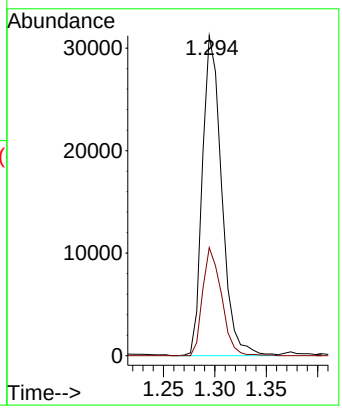


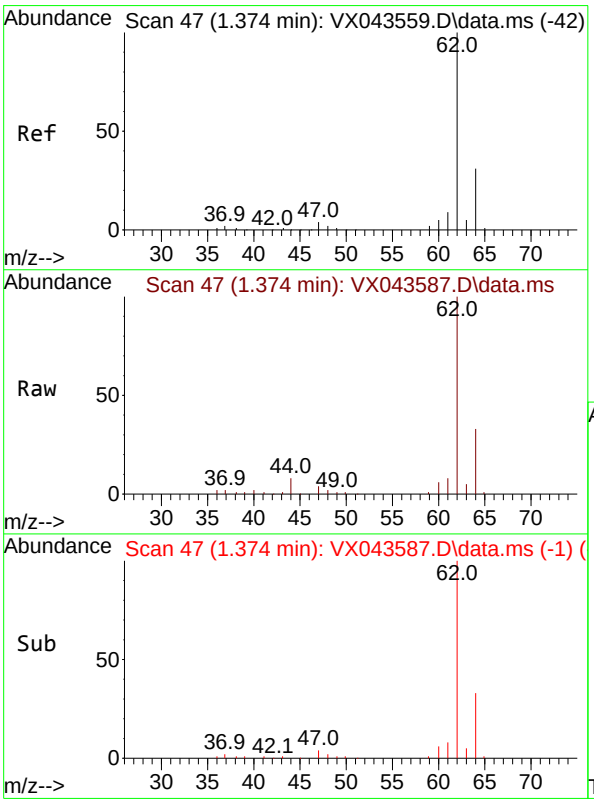
#3
Chloromethane
Concen: 16.605 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 50 Resp: 40942

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5

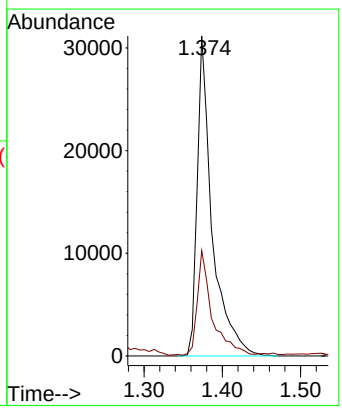


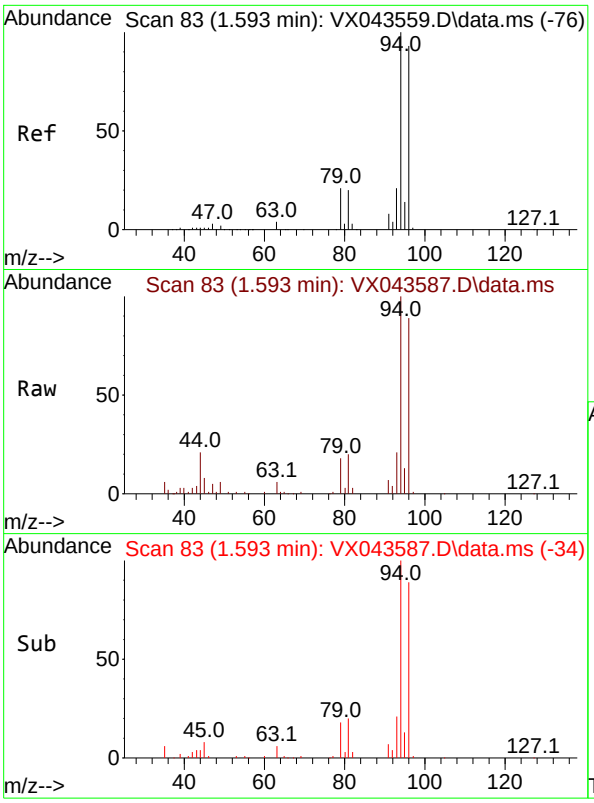


#4
Vinyl Chloride
Concen: 18.065 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 62 Resp: 41339

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.0	37.4



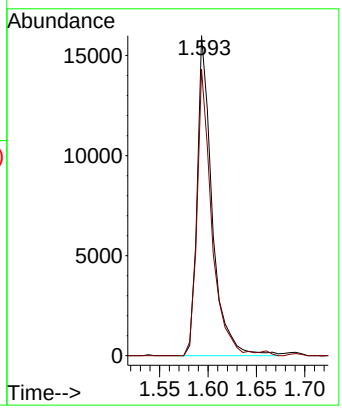


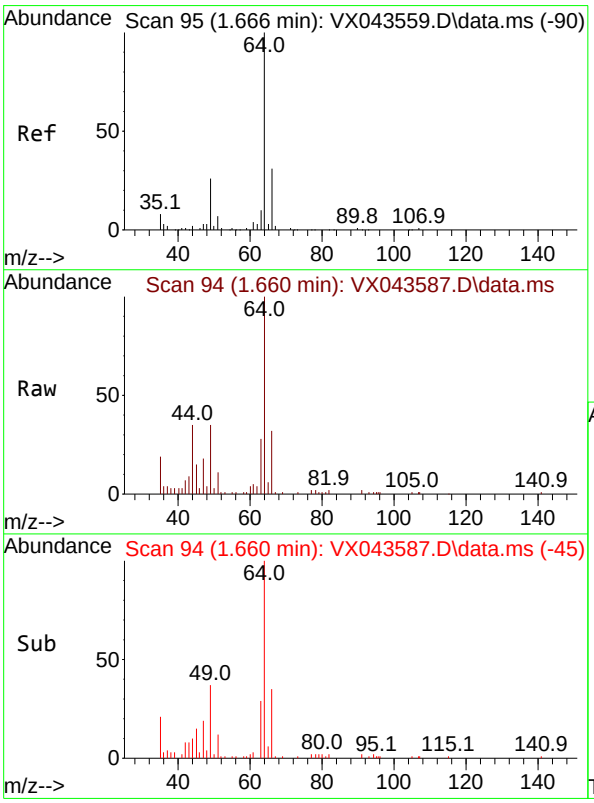
#5
Bromomethane
Concen: 18.591 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 94 Resp: 17344

Ion	Ratio	Lower	Upper
94	100		
96	89.4	75.9	113.9

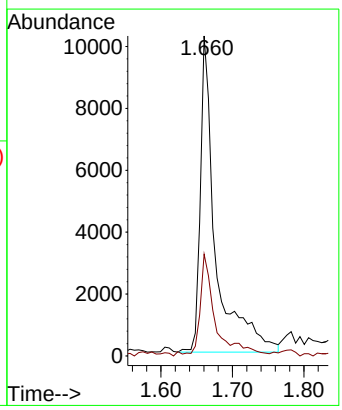


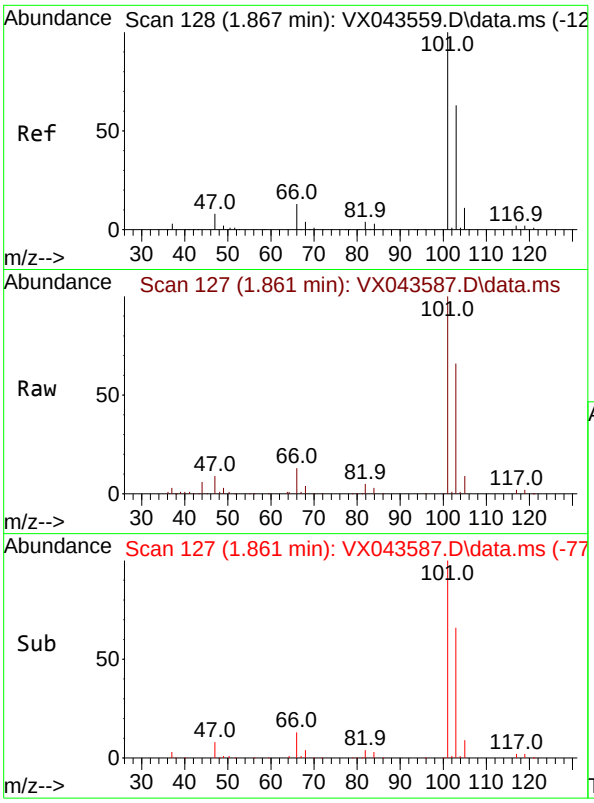


#6
Chloroethane
Concen: 18.949 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 64 Resp: 15277

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.1	37.7



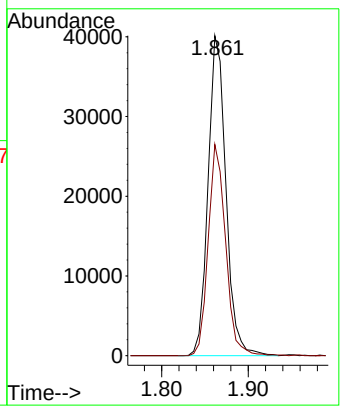


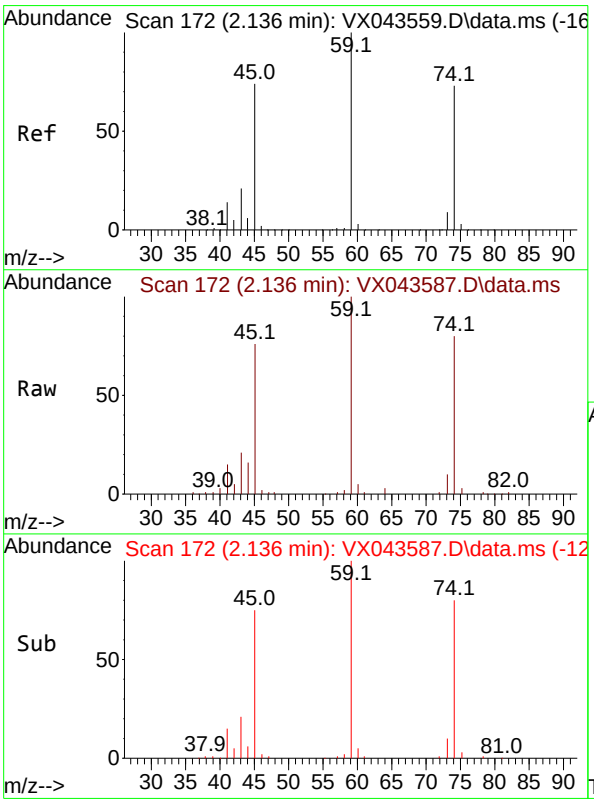
#7
Trichlorofluoromethane
Concen: 20.570 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:101 Resp: 57506

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.3	76.9

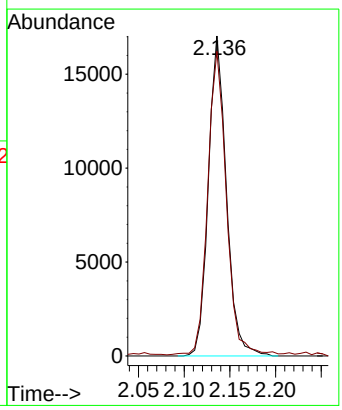


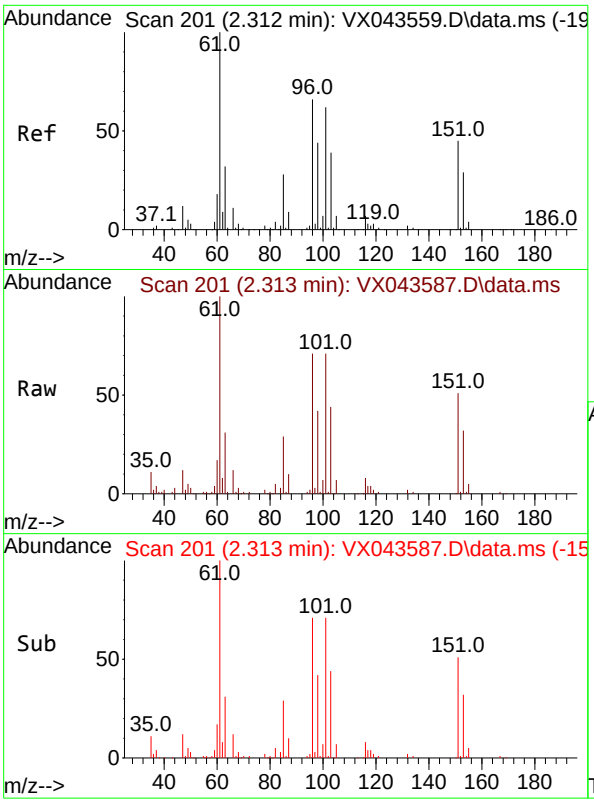


#8
Diethyl Ether
Concen: 18.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 74 Resp: 23314

Ion	Ratio	Lower	Upper
74	100		
45	98.1	47.5	142.5



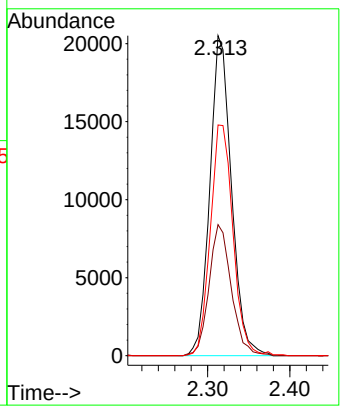


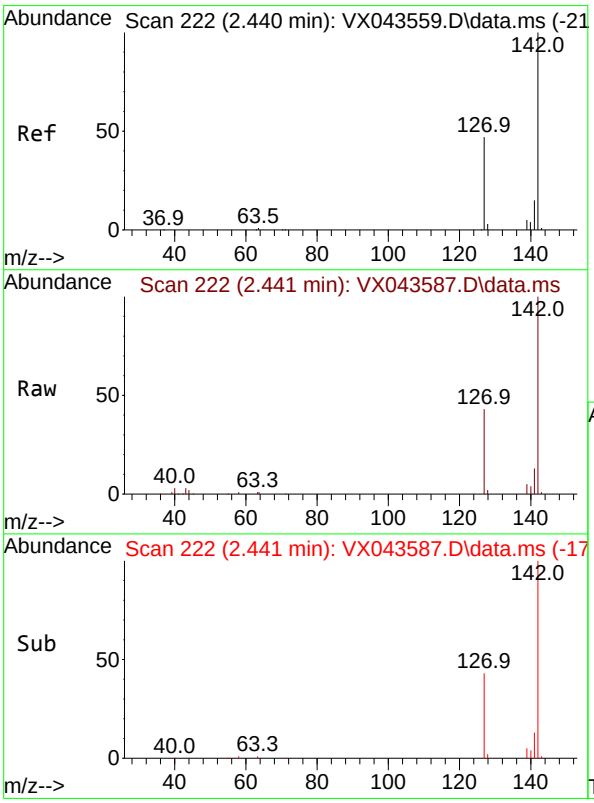
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.809 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:101 Resp: 37452

Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.5	51.7
151	75.7	58.2	87.2

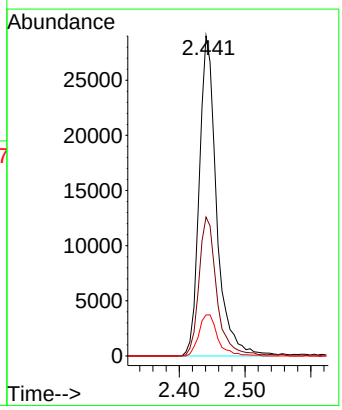


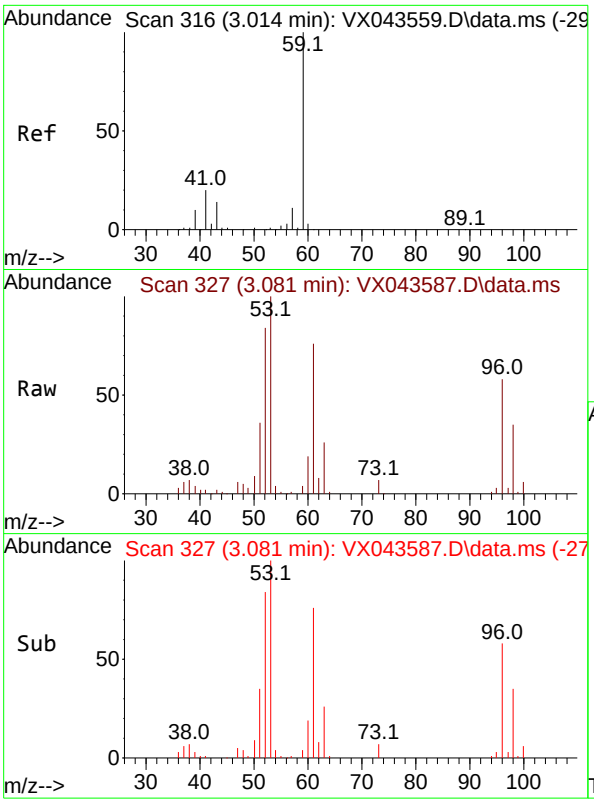


#10
Methyl Iodide
Concen: 19.499 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:142 Resp: 53263

Ion	Ratio	Lower	Upper
142	100		
127	44.7	38.2	57.4
141	14.0	11.5	17.3



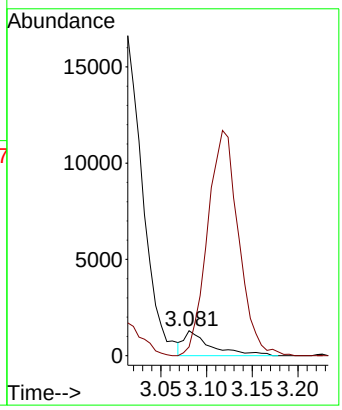


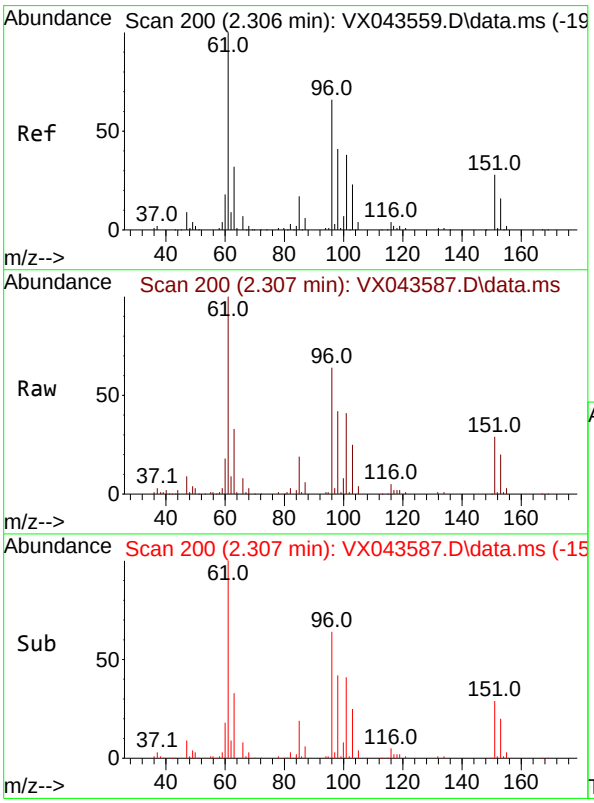
#11
Tert butyl alcohol
Concen: 4.957 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.031 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 59 Resp: 2661

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

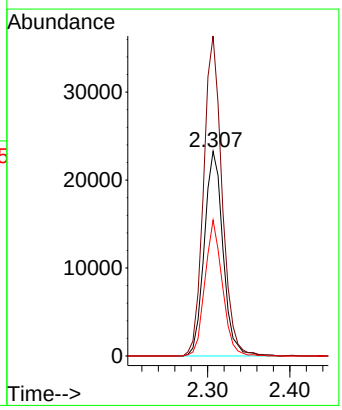


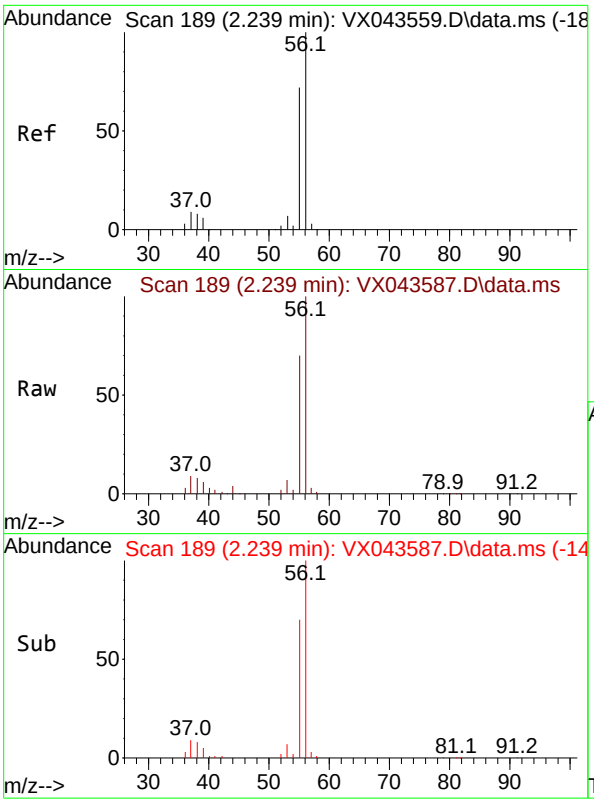


#12
1,1-Dichloroethene
Concen: 19.070 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 96 Resp: 36845

Ion	Ratio	Lower	Upper
96	100		
61	156.4	130.2	195.4
98	66.4	51.0	76.6



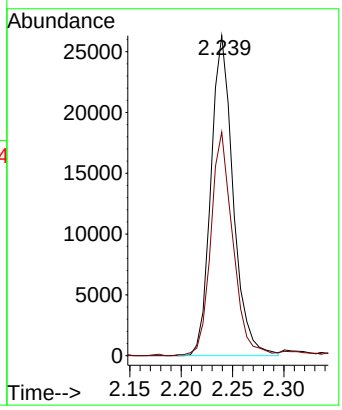


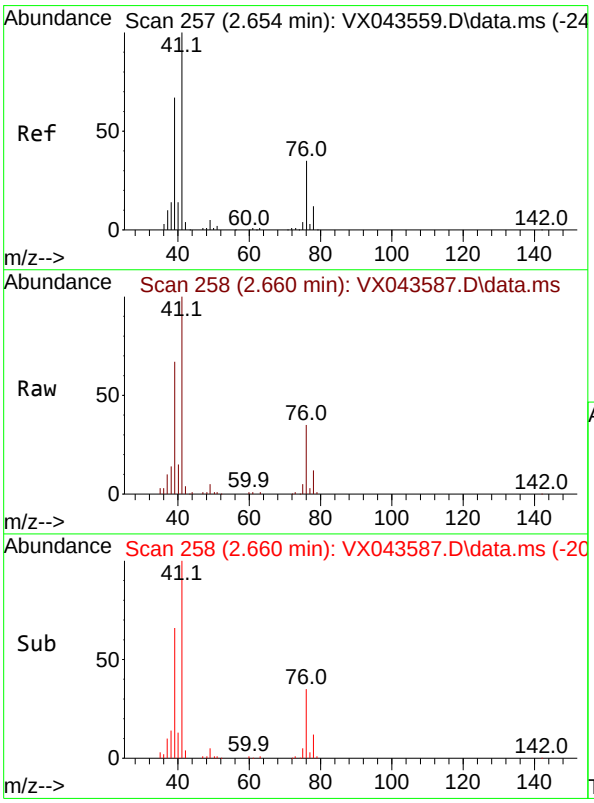
#13
Acrolein
Concen: 94.177 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 56 Resp: 39535

Ion	Ratio	Lower	Upper
56	100		
55	69.0	55.3	82.9

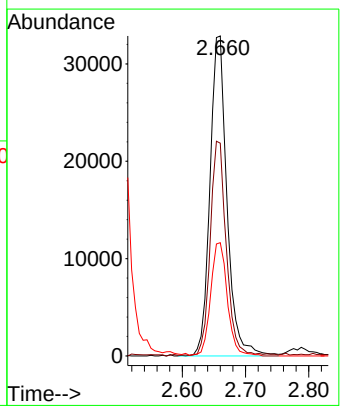


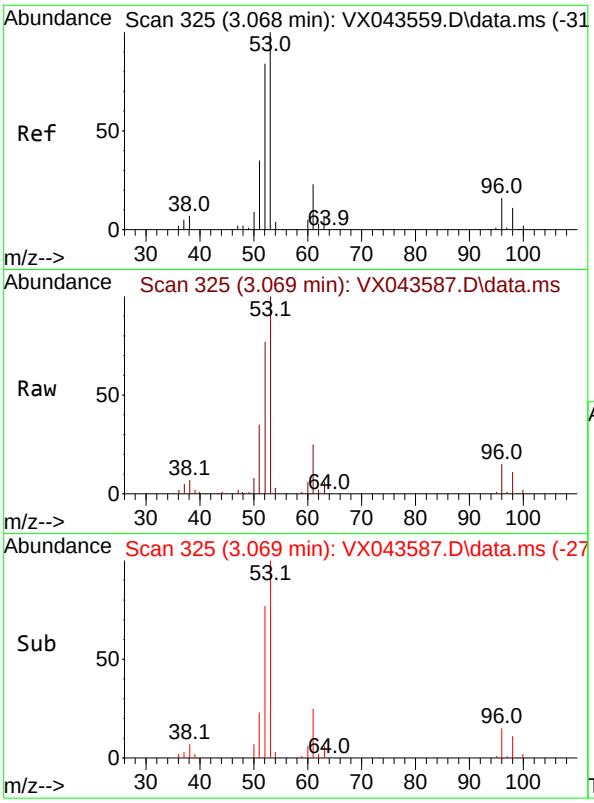


#14
Allyl chloride
Concen: 18.409 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 41 Resp: 61519

Ion	Ratio	Lower	Upper
41	100		
39	63.0	53.2	79.8
76	34.6	27.0	40.6



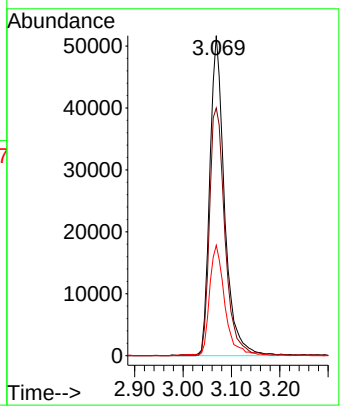


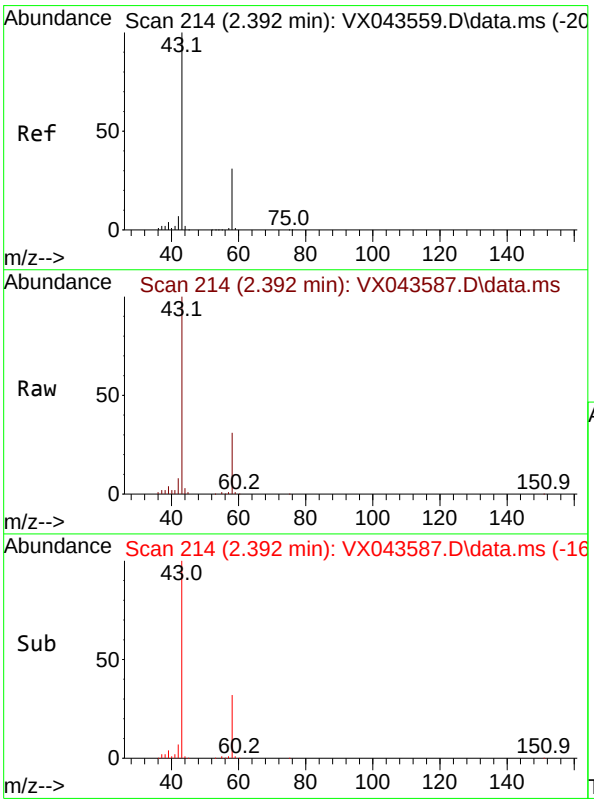
#15
Acrylonitrile
Concen: 90.270 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 53 Resp: 109405

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.8	98.6
51	35.3	28.5	42.7

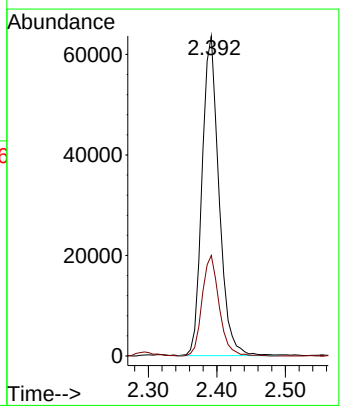


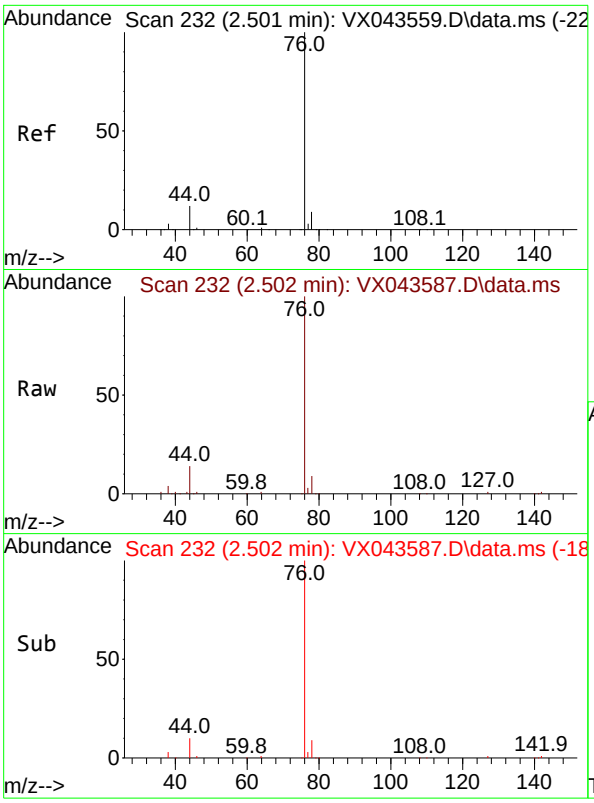


#16
Acetone
Concen: 95.756 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 109359

Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.1	37.7



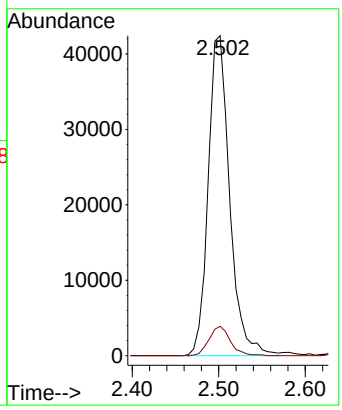


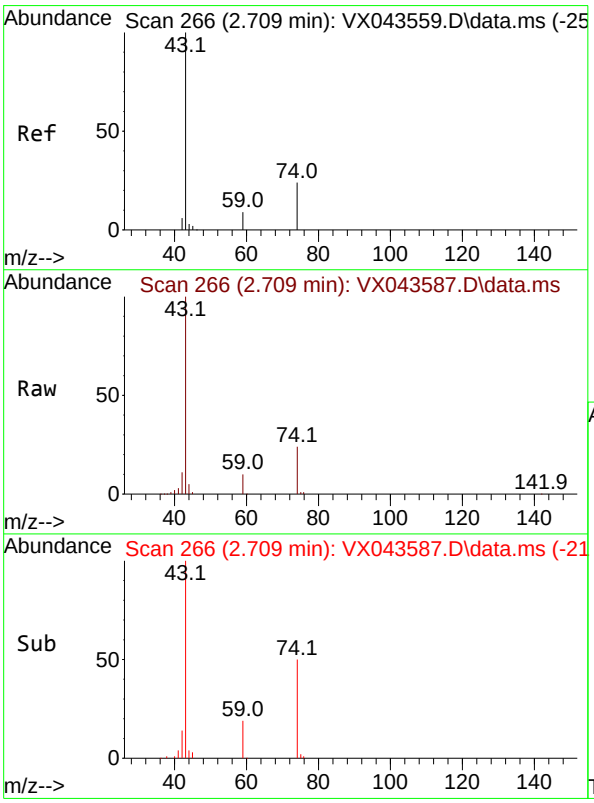
#17
Carbon Disulfide
Concen: 18.108 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 76 Resp: 73159

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

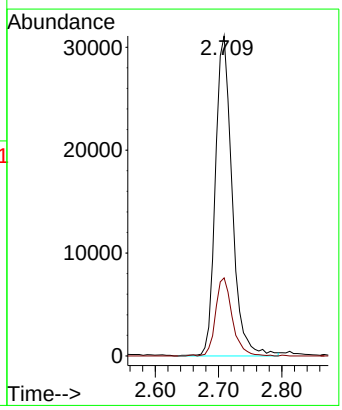


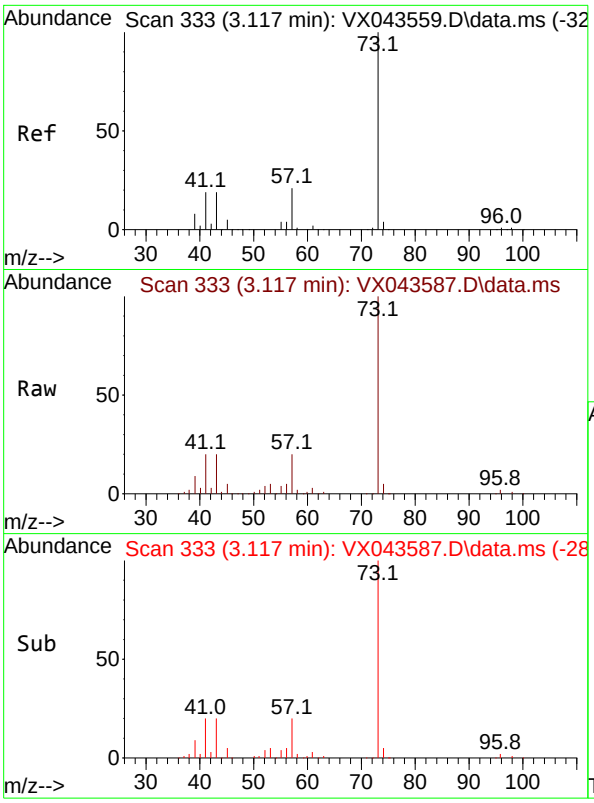


#18
Methyl Acetate
Concen: 17.138 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 57203

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.1	28.7



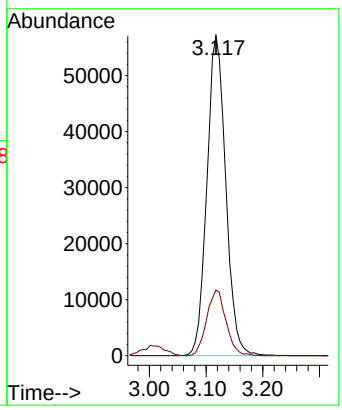


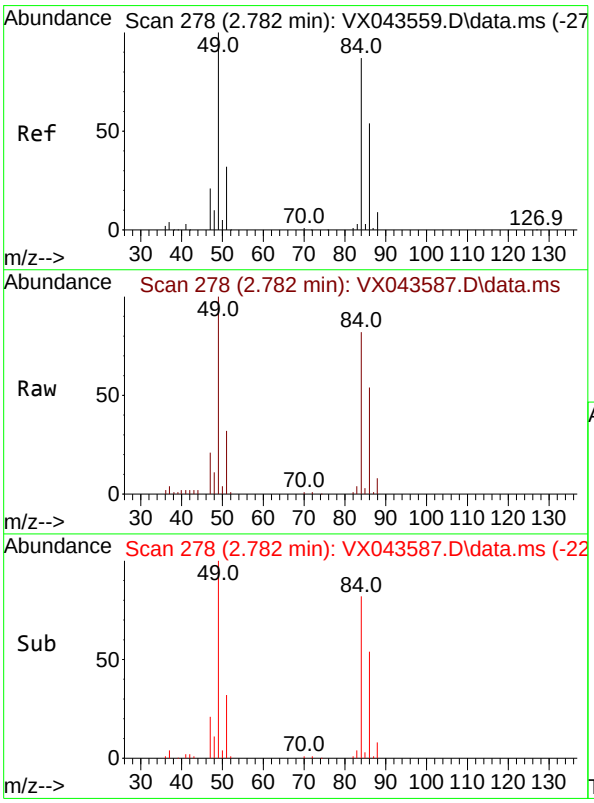
#19
Methyl tert-butyl Ether
Concen: 17.936 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 73 Resp: 131788

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

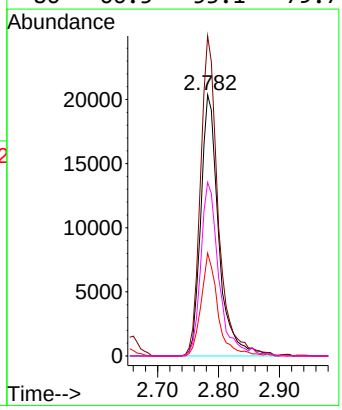


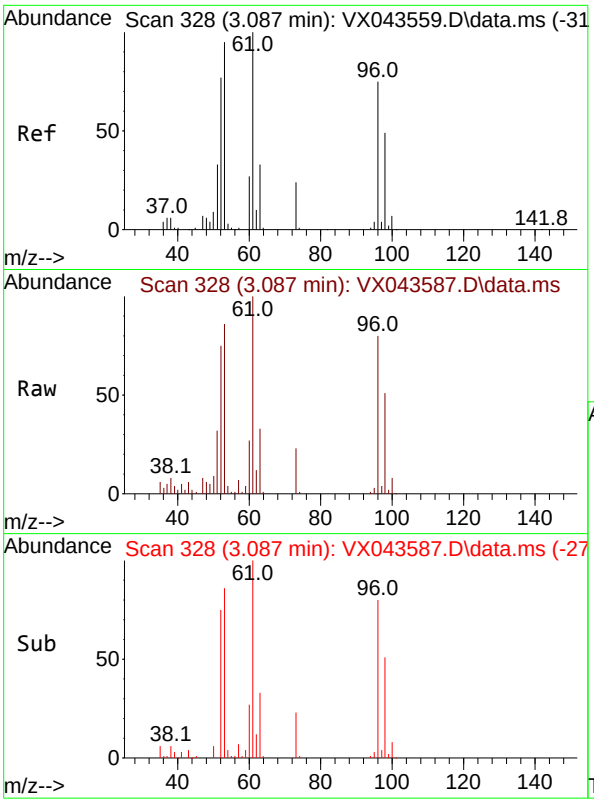


#20
Methylene Chloride
Concen: 16.993 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 84 Resp: 41826

Ion	Ratio	Lower	Upper
84	100		
49	122.5	97.0	145.6
51	39.4	29.8	44.8
86	66.5	53.1	79.7



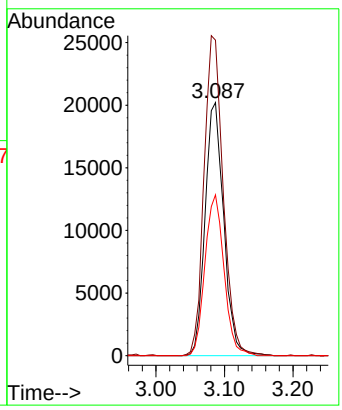


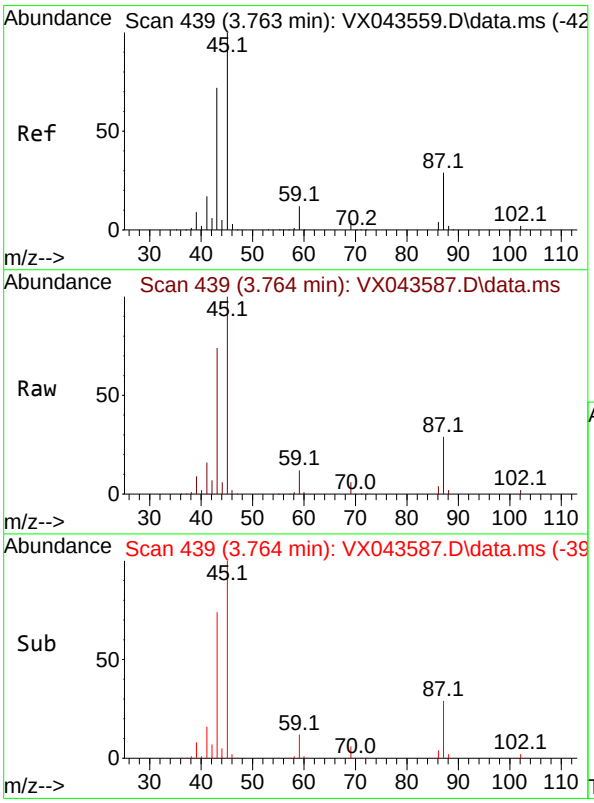
#21
trans-1,2-Dichloroethene
Concen: 18.718 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 96 Resp: 38207

Ion	Ratio	Lower	Upper
96	100		
61	124.7	107.1	160.7
98	63.5	47.7	71.5

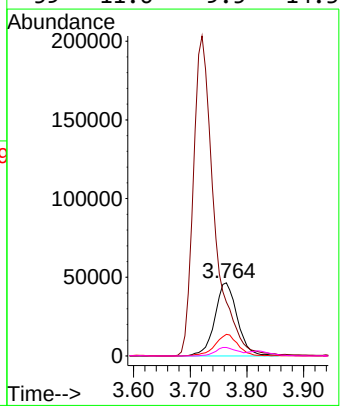


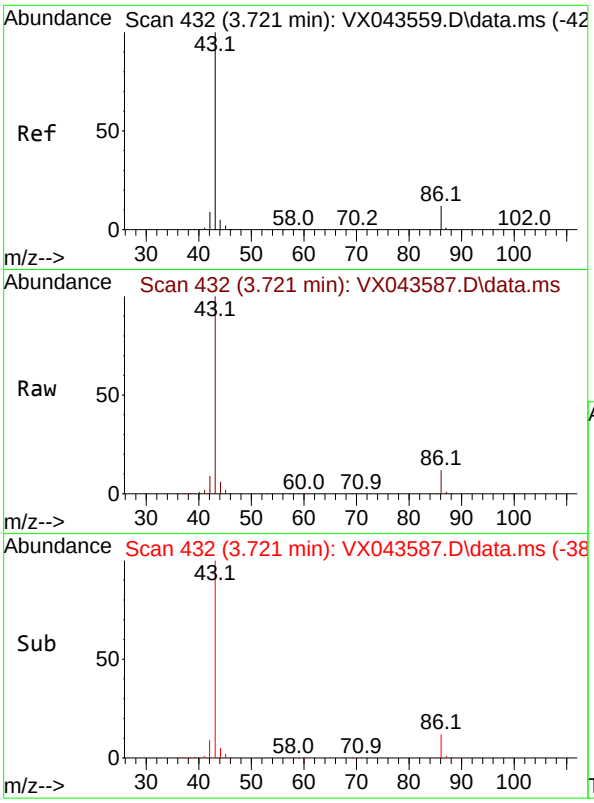


#22
Diisopropyl ether
Concen: 18.494 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 45 Resp: 127741

Ion	Ratio	Lower	Upper
45	100		
43	72.8	60.6	90.8
87	29.5	22.0	33.0
59	11.6	9.5	14.3



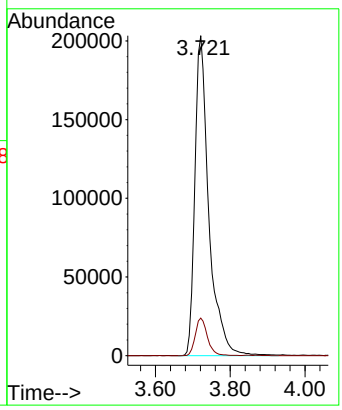


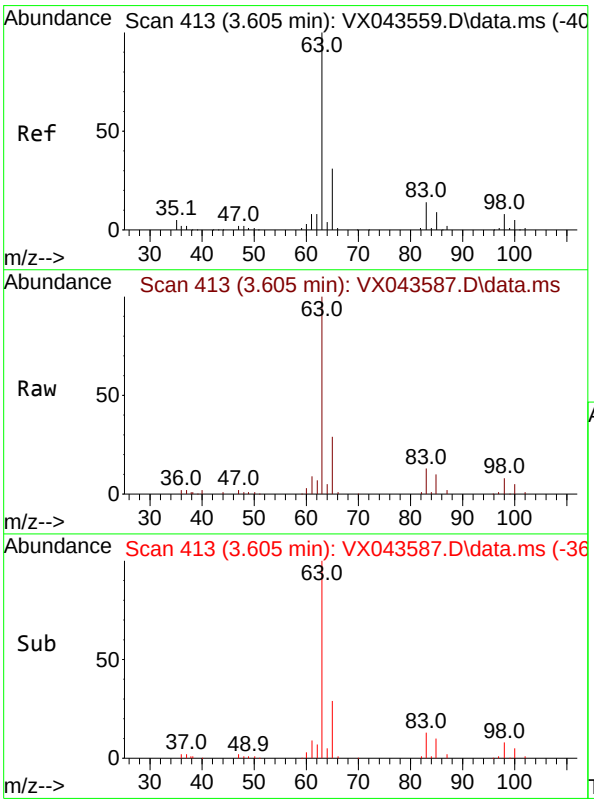
#23
Vinyl Acetate
Concen: 92.311 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 526774

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

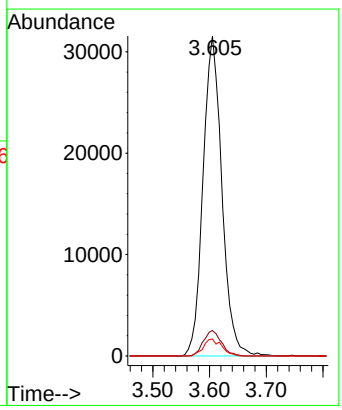


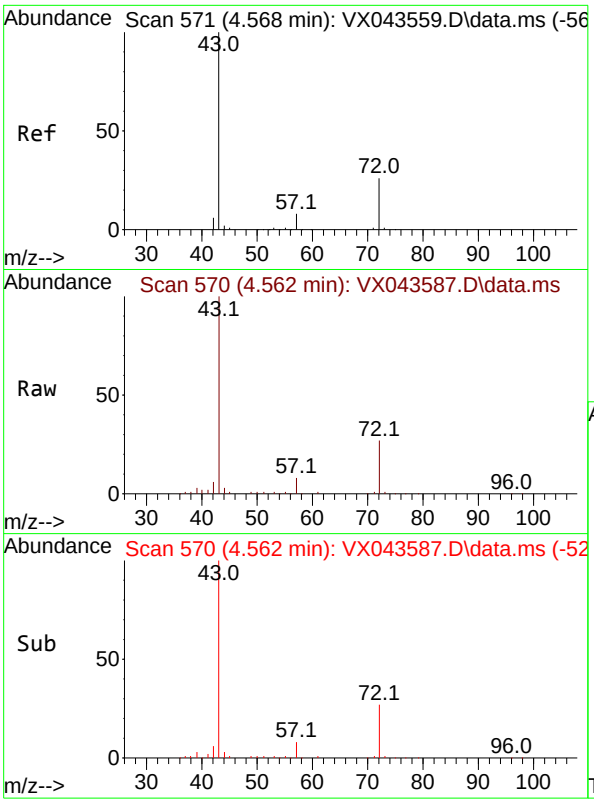


#24
1,1-Dichloroethane
Concen: 18.368 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 63 Resp: 72922

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.4
100	5.3	2.4	7.2



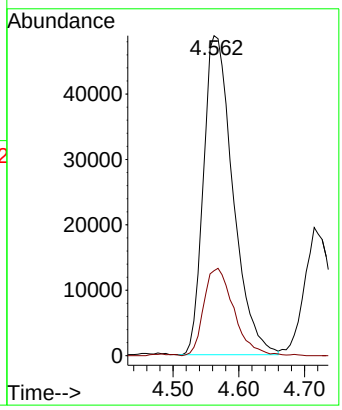


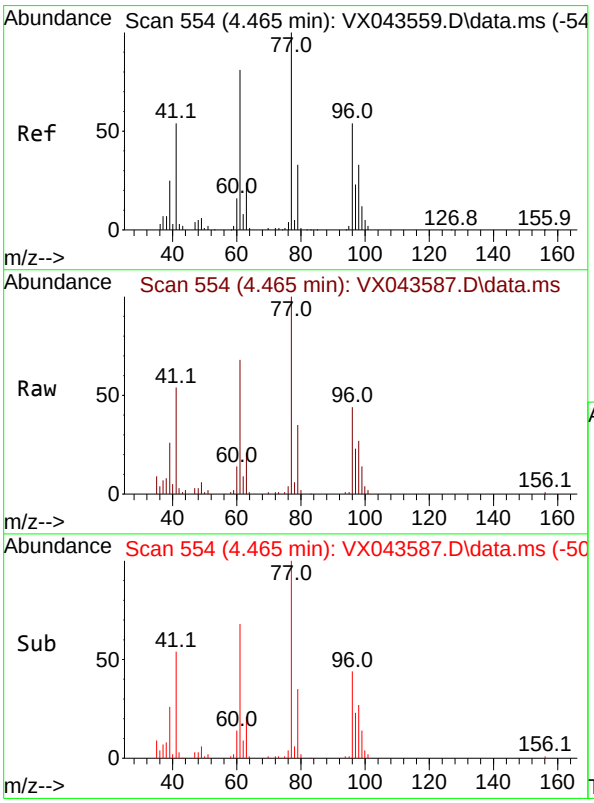
#25
2-Butanone
Concen: 91.321 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 152135

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.1	31.7

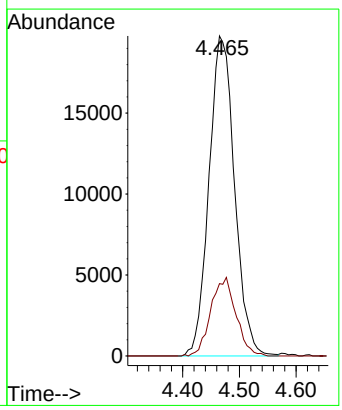


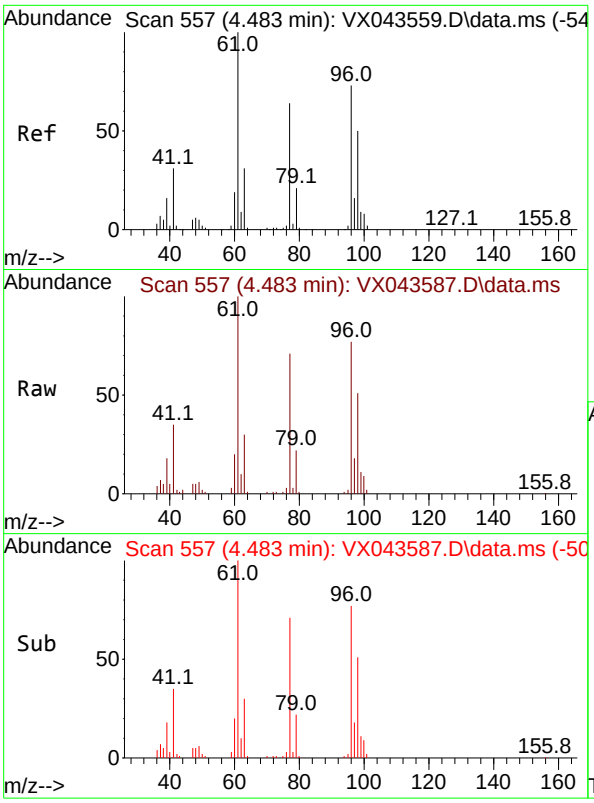


#26
2,2-Dichloropropane
Concen: 19.050 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 77 Resp: 61908

Ion	Ratio	Lower	Upper
77	100		
97	24.1	11.6	34.8



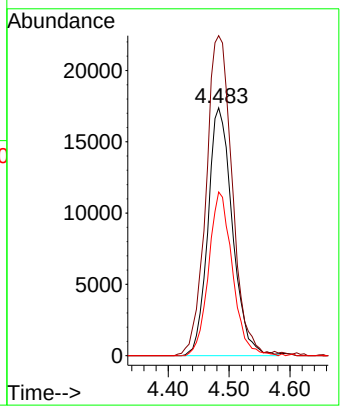


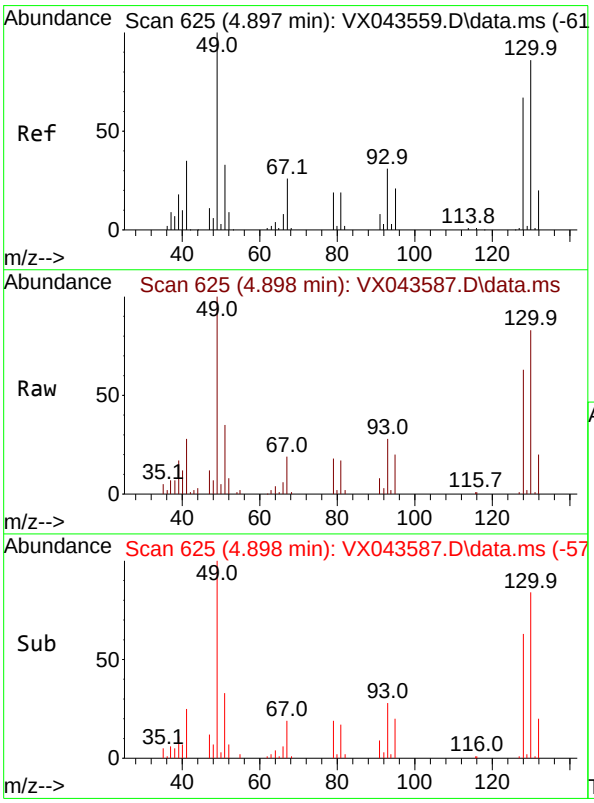
#27
cis-1,2-Dichloroethene
Concen: 18.602 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 96 Resp: 48502

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	277.2
98	64.2	0.0	131.6

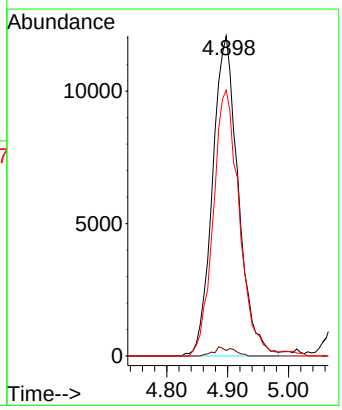


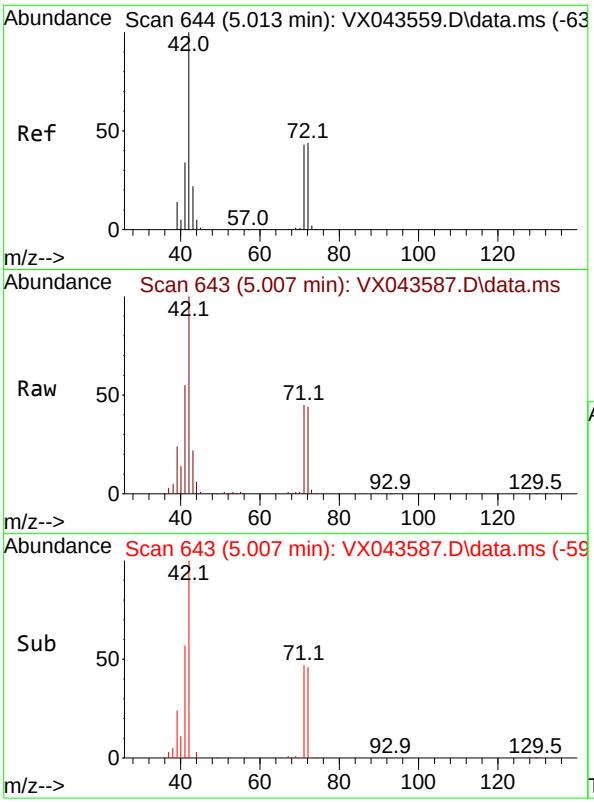


#28
Bromochloromethane
Concen: 18.753 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 49 Resp: 35416

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.4	67.8	101.8



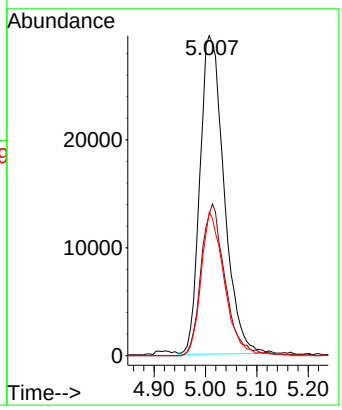


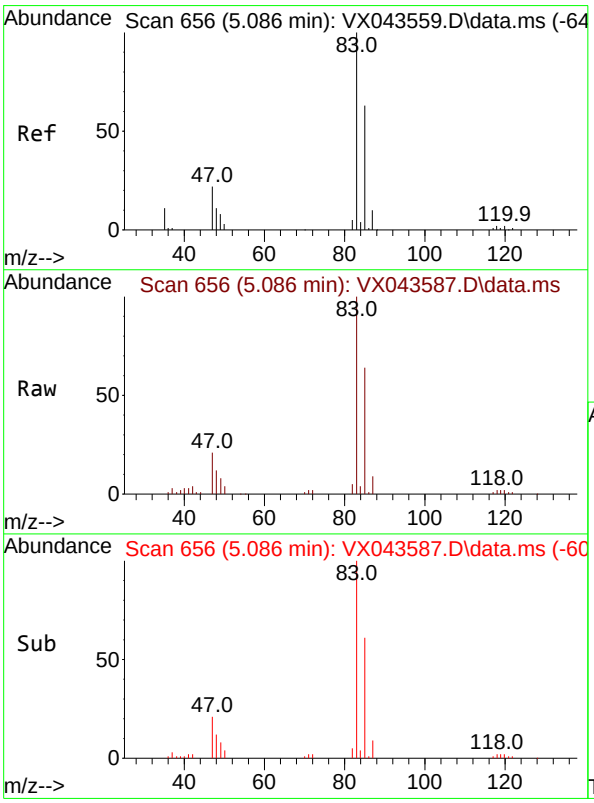
#29
Tetrahydrofuran
Concen: 88.912 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 42 Resp: 96260

Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.6	55.0
71	43.7	34.2	51.4

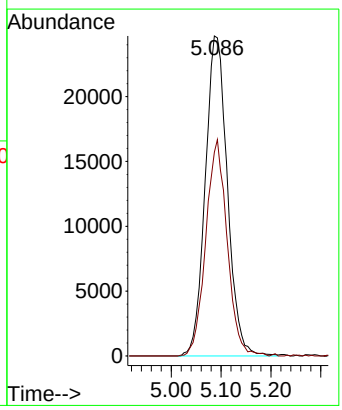


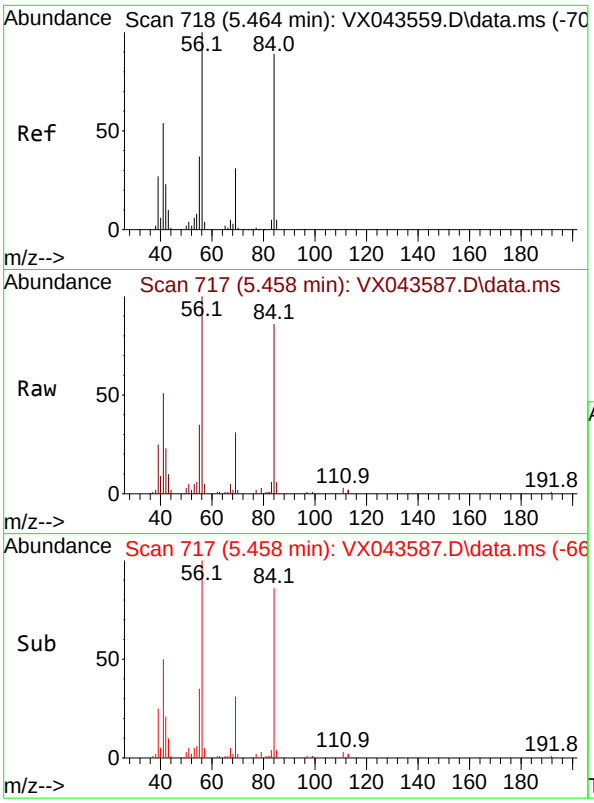


#30
Chloroform
Concen: 18.258 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 83 Resp: 75982

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4



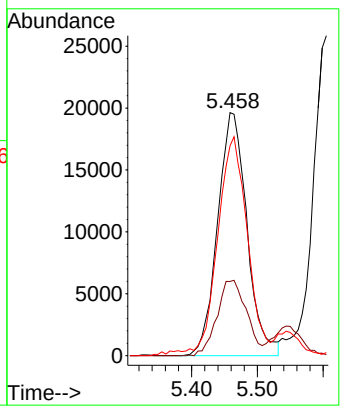


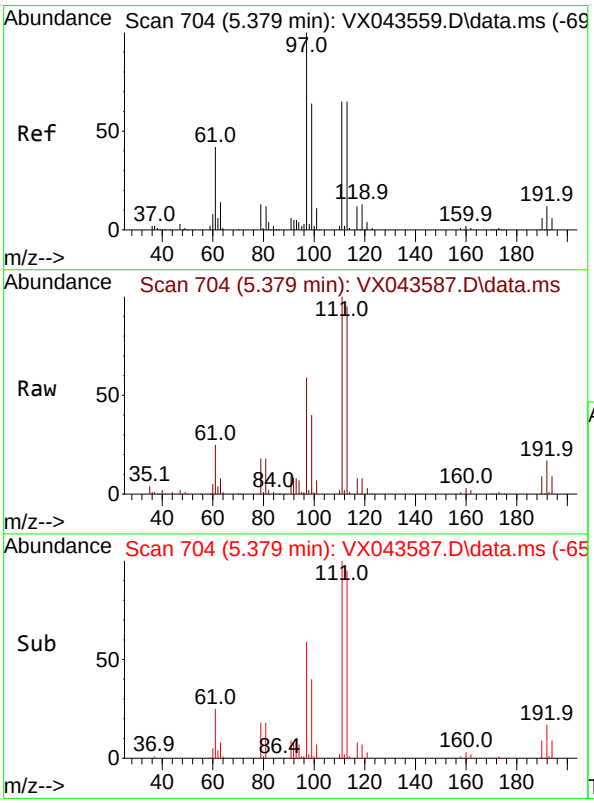
#31
Cyclohexane
Concen: 20.070 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 56 Resp: 60944

Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.9	37.3
84	84.3	73.3	109.9

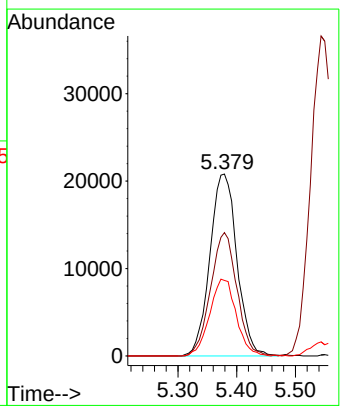


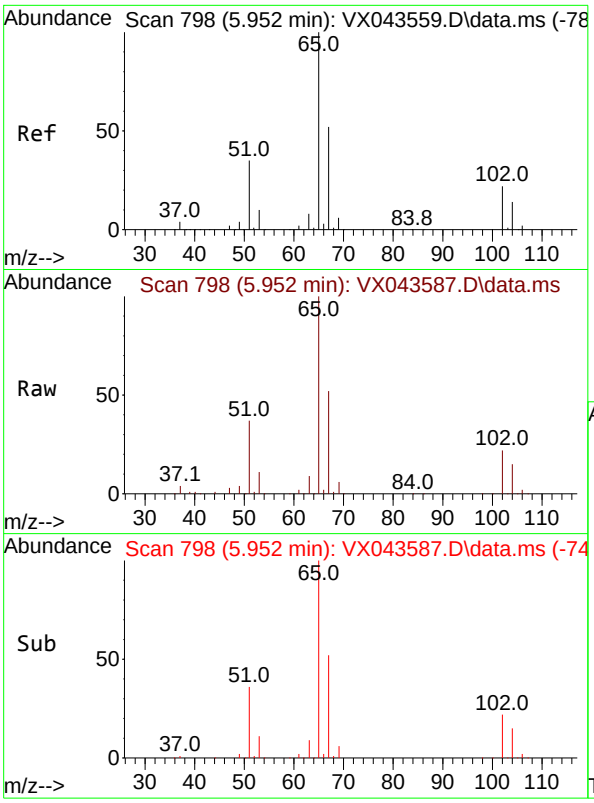


#32
1,1,1-Trichloroethane
Concen: 19.074 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 97 Resp: 66644

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	41.3	34.0	51.0



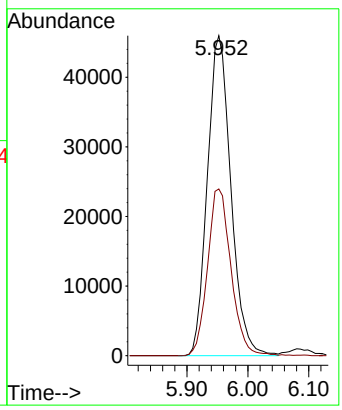


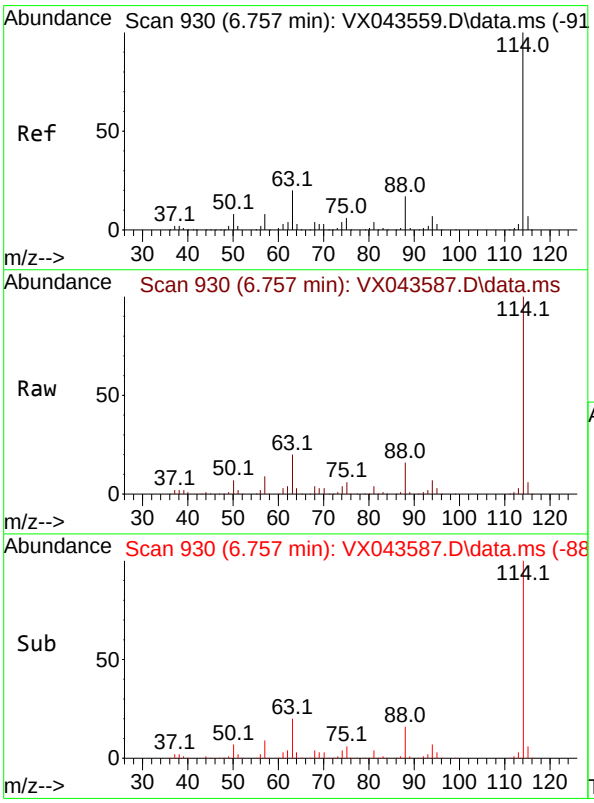
#33
1,2-Dichloroethane-d4
Concen: 42.871 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 65 Resp: 123296

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

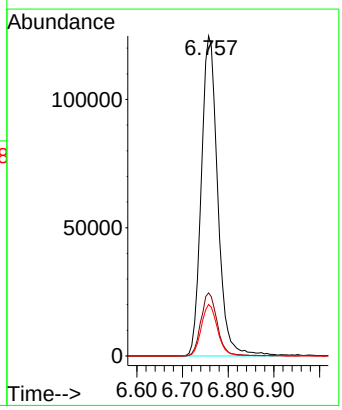


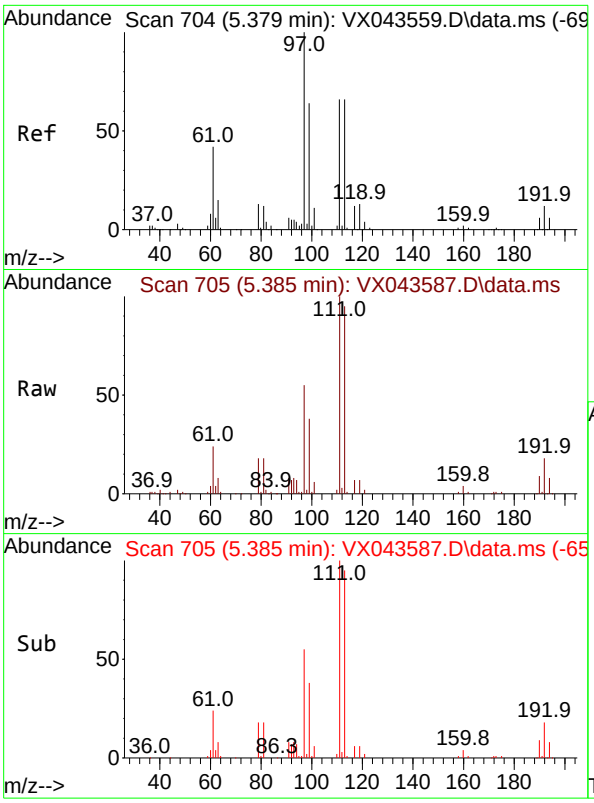


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:114 Resp: 312050

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.2
88	16.1	0.0	34.0



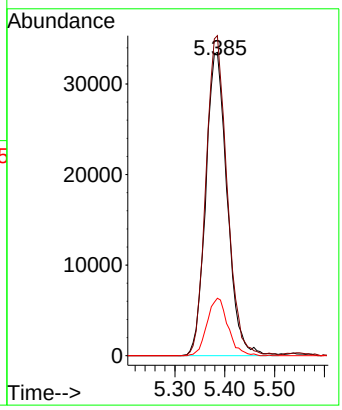


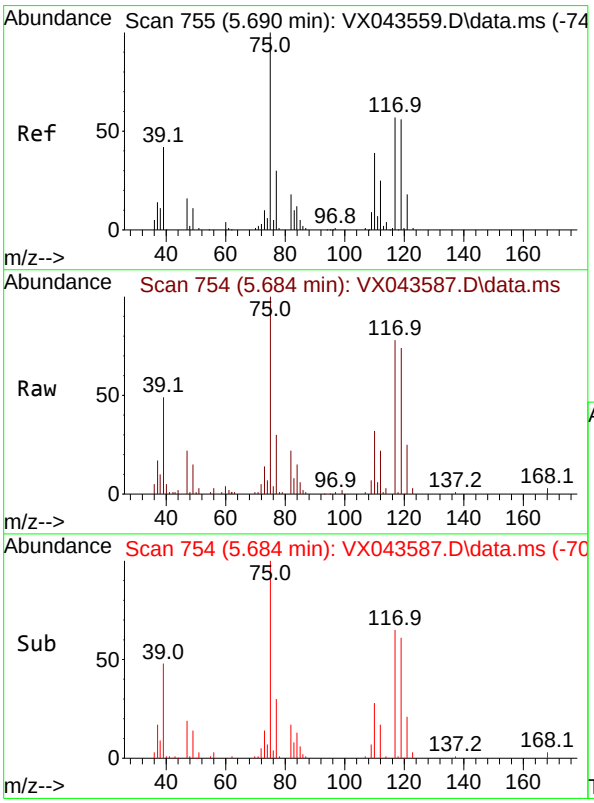
#35
Dibromofluoromethane
Concen: 47.211 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:113 Resp: 99899

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.0
192	18.5	14.1	21.1

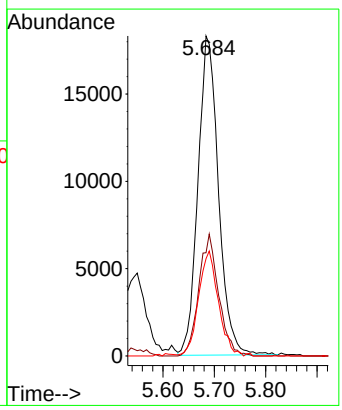


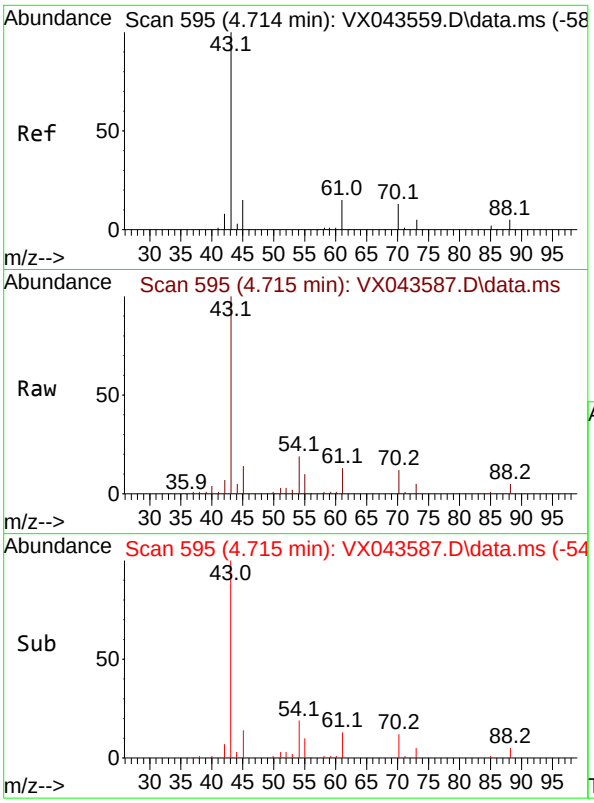


#36
1,1-Dichloropropene
Concen: 20.217 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 50726

Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.9	53.7
77	31.7	25.0	37.4



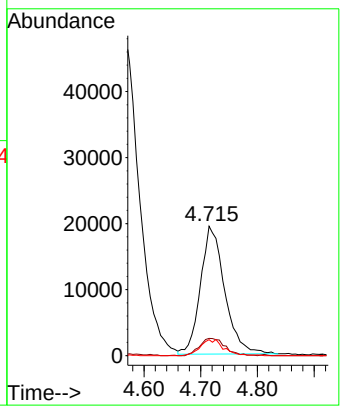


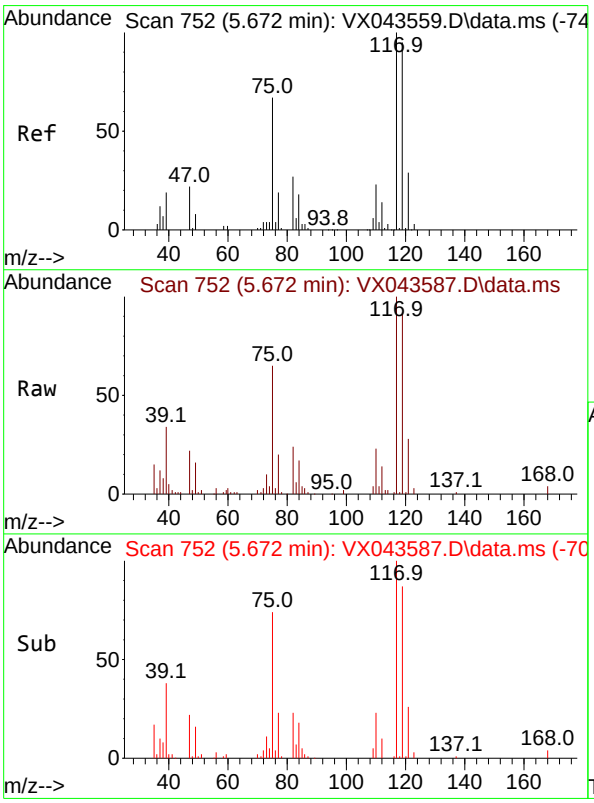
#37
Ethyl Acetate
Concen: 18.885 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 57527

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	12.1	8.9	13.3

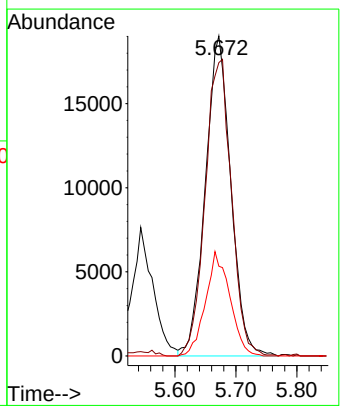


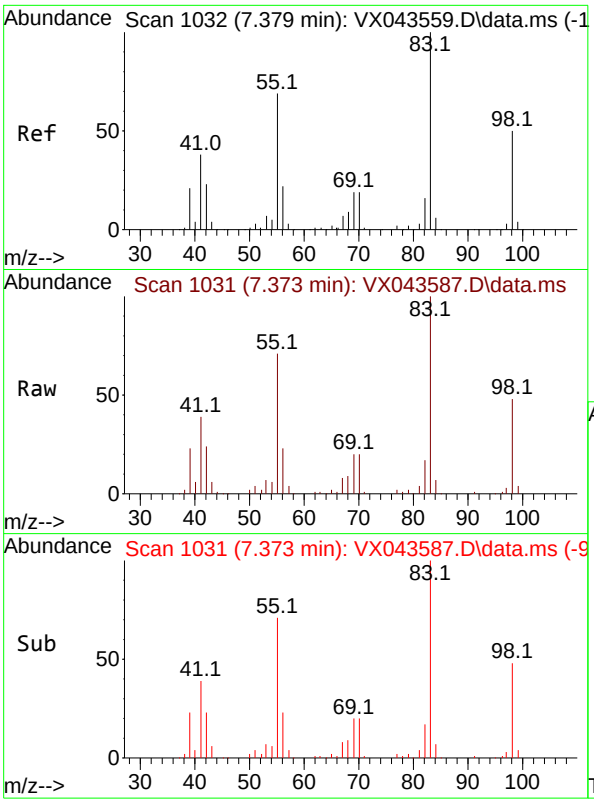


#38
Carbon Tetrachloride
Concen: 19.952 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:117 Resp: 55313

Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.0	115.6
121	28.1	24.7	37.1



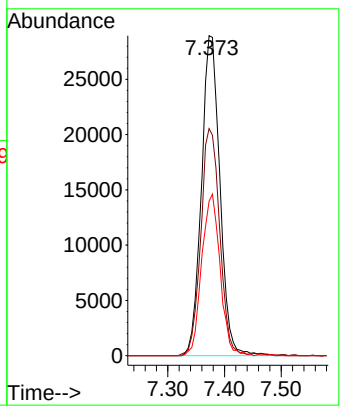


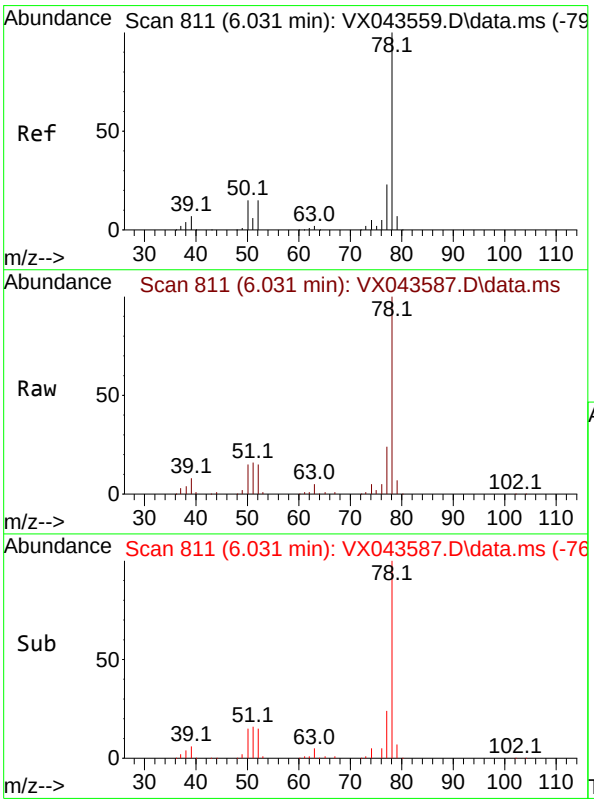
#39
Methylcyclohexane
Concen: 21.041 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 83 Resp: 65547

Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.9	89.9
98	48.3	41.3	61.9

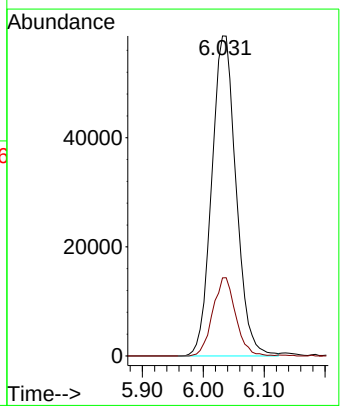


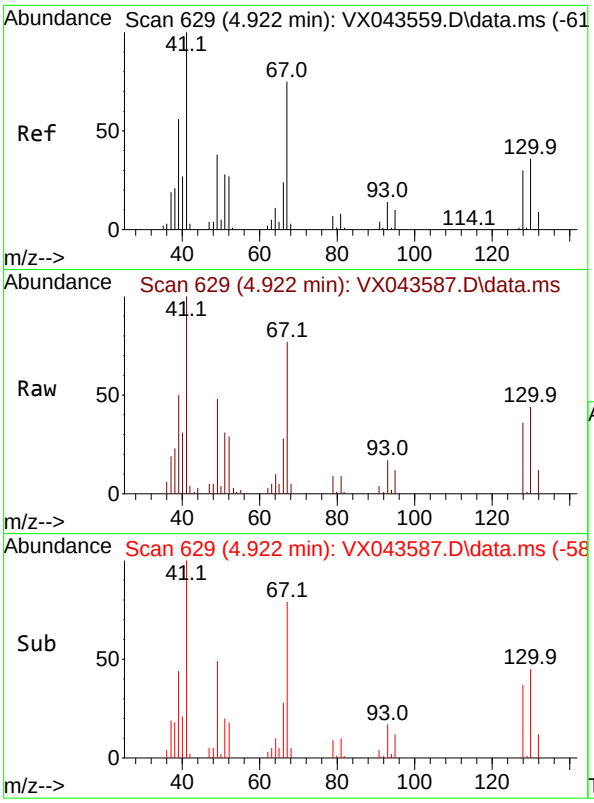


#40
Benzene
Concen: 19.451 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 78 Resp: 162811

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.4	27.6



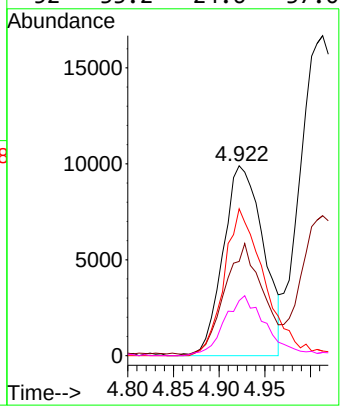


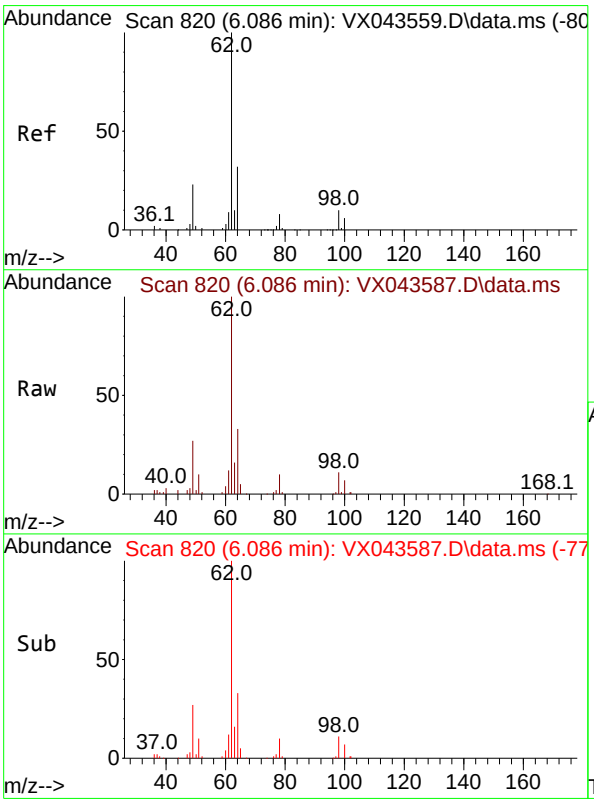
#41
Methacrylonitrile
Concen: 18.975 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 41 Resp: 30340

Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.5	65.3
67	78.2	58.3	87.5
52	33.2	24.6	37.0

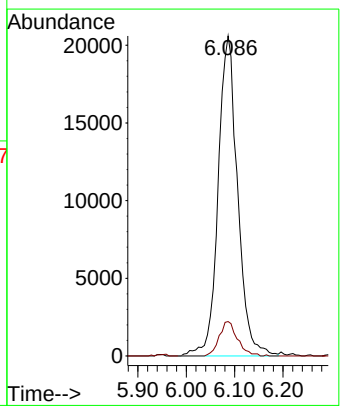


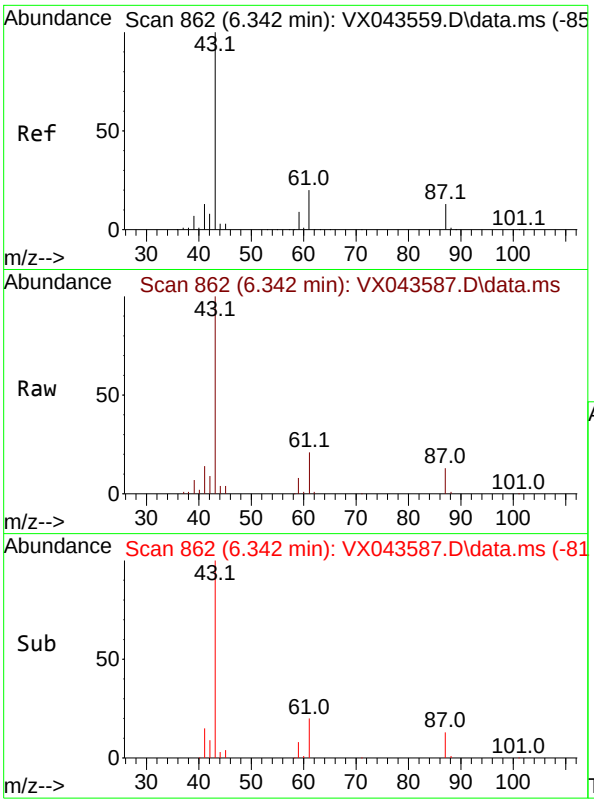


#42
1,2-Dichloroethane
Concen: 19.172 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 62 Resp: 57693

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.8



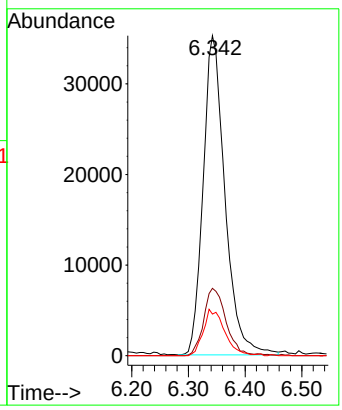


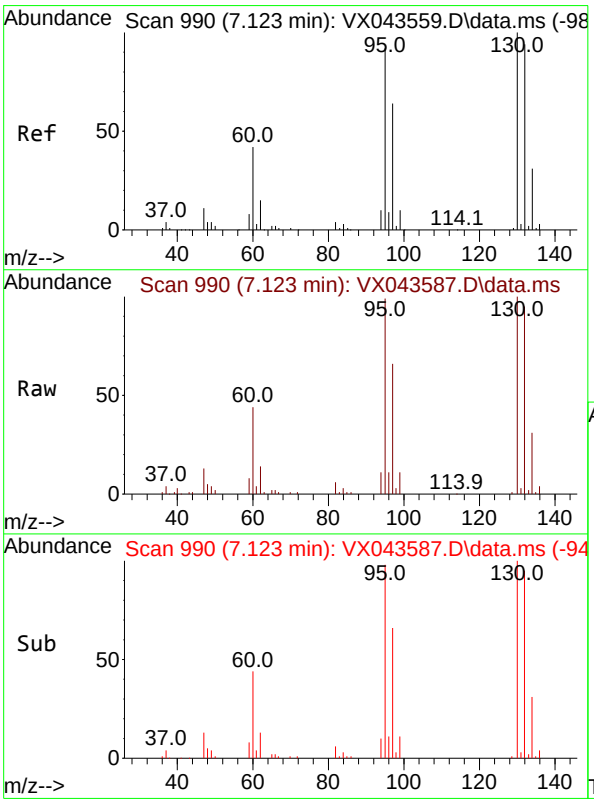
#43
Isopropyl Acetate
Concen: 18.732 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 94365

Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.2	24.4
87	14.1	11.0	16.6

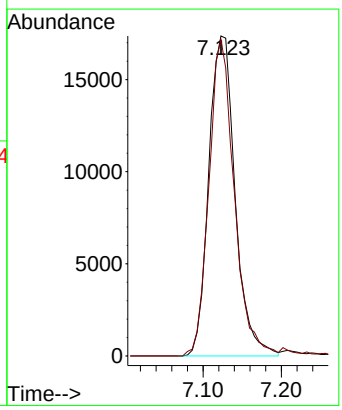


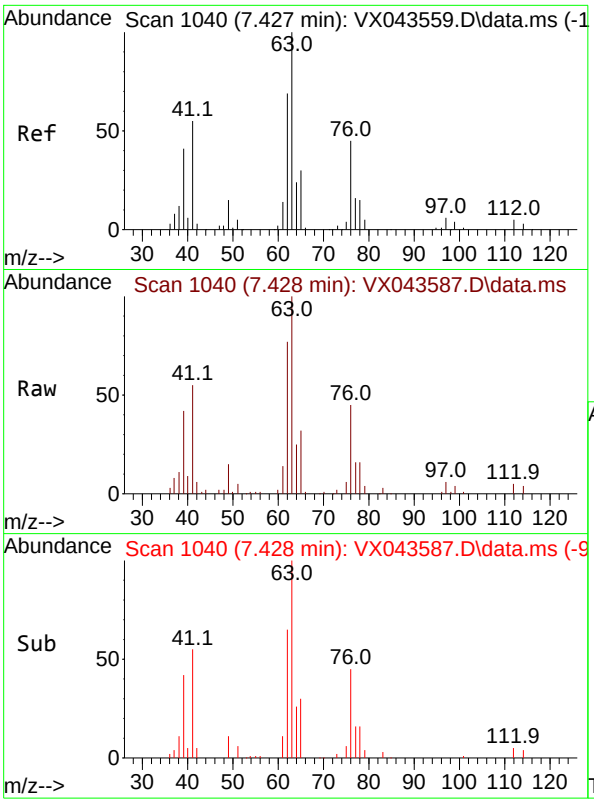


#44
Trichloroethene
Concen: 19.513 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:130 Resp: 40576

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	202.6



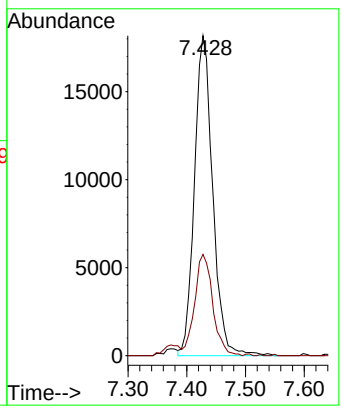


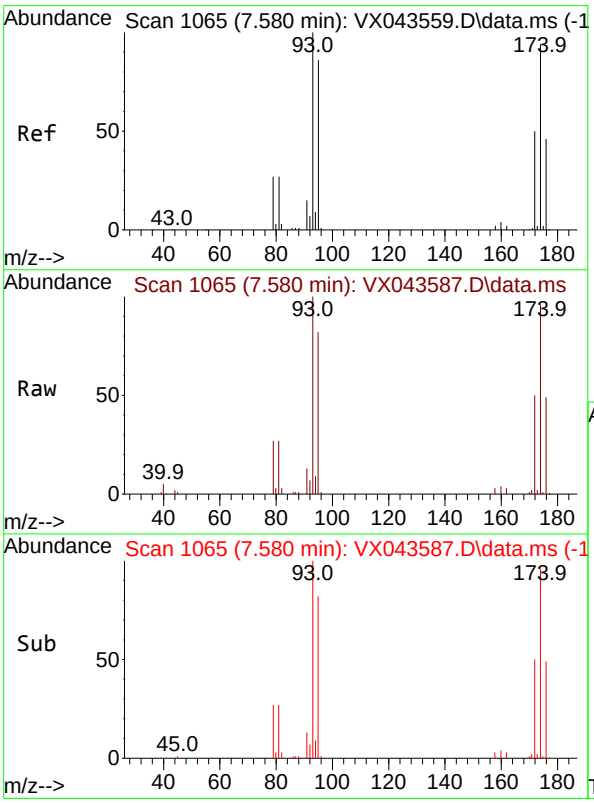
#45
1,2-Dichloropropane
Concen: 19.061 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 63 Resp: 39286

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.5	36.7

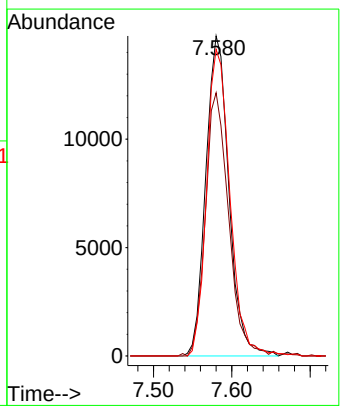


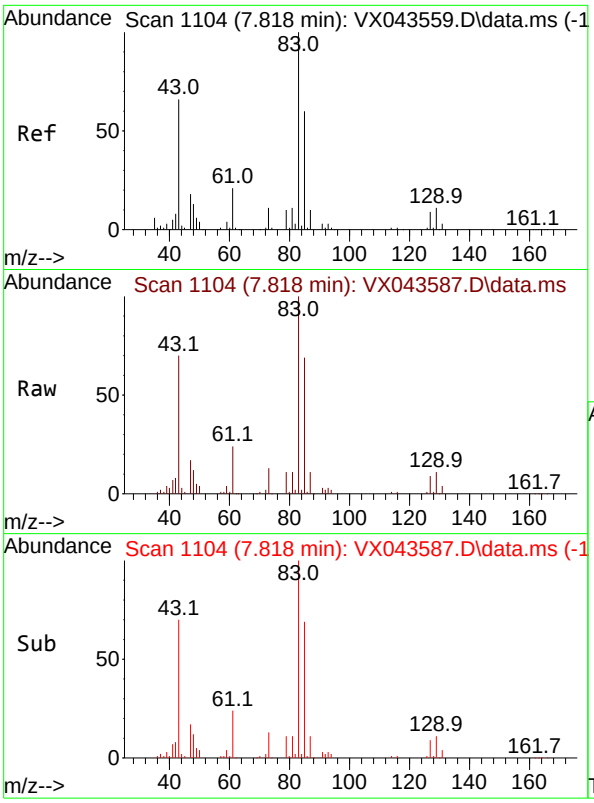


#46
Dibromomethane
Concen: 19.039 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 93 Resp: 30214

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.2	75.0	112.4



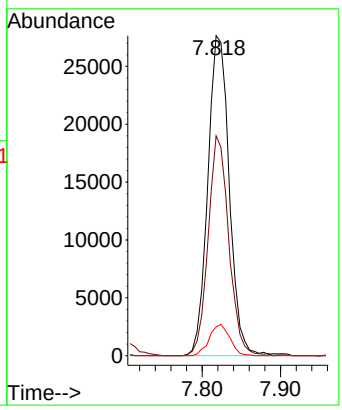


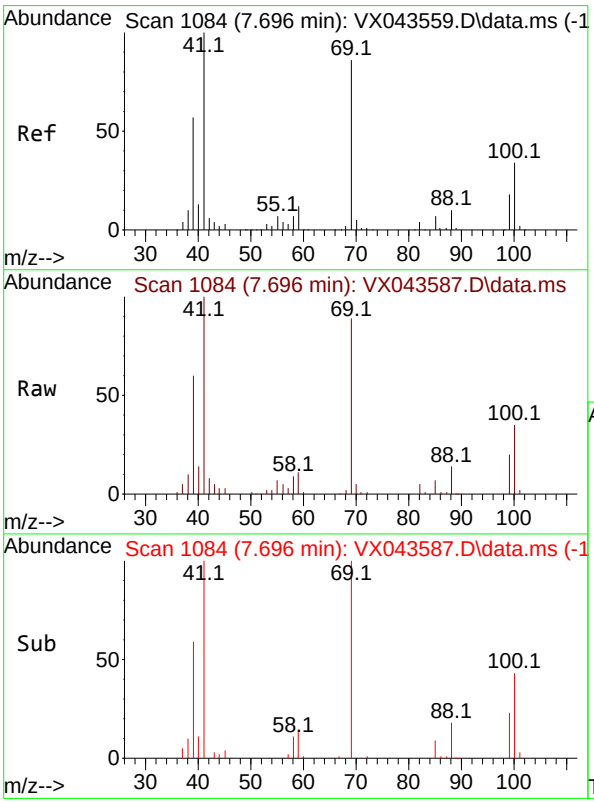
#47
Bromodichloromethane
Concen: 18.918 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 83 Resp: 52666

Ion	Ratio	Lower	Upper
83	100		
85	68.7	52.2	78.4
127	9.0	7.1	10.7

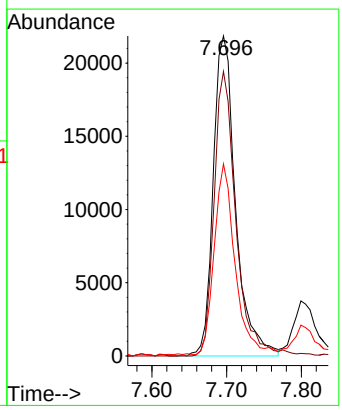


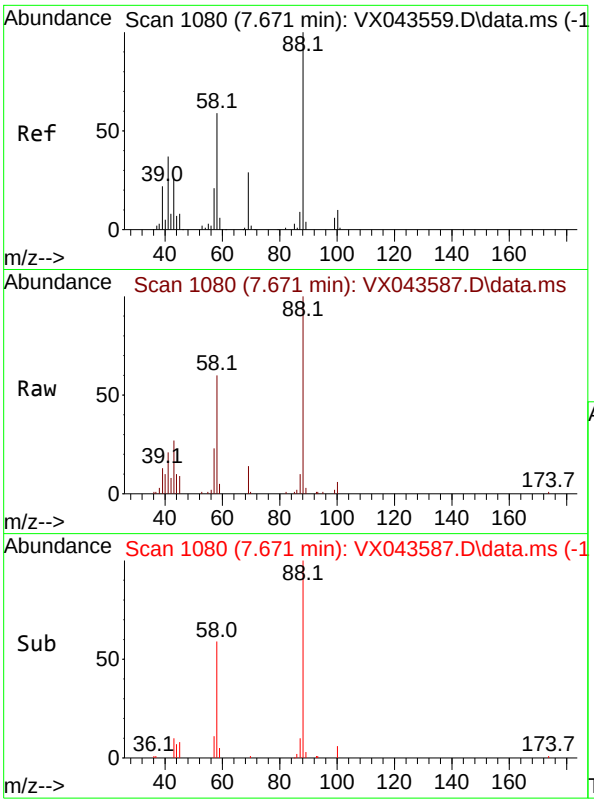


#48
Methyl methacrylate
Concen: 18.984 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 41 Resp: 45342

Ion	Ratio	Lower	Upper
41	100		
69	87.3	67.7	101.5
39	57.8	46.3	69.5



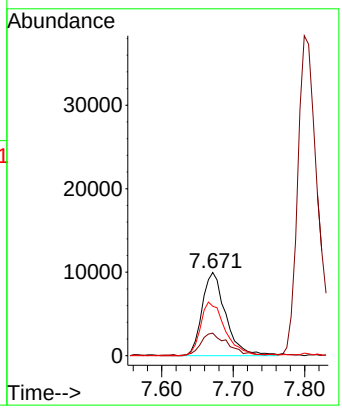


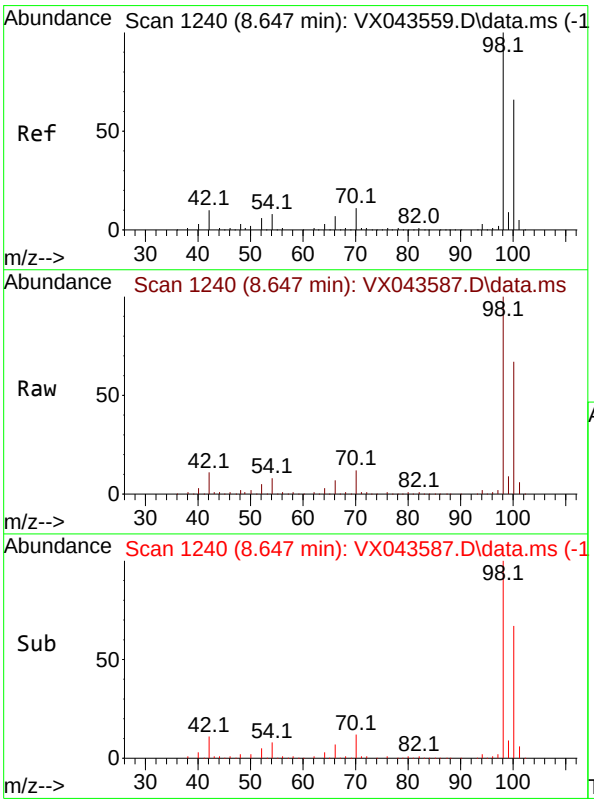
#49
1,4-Dioxane
Concen: 465.320 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 88 Resp: 22833

Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	66.6	53.9	80.9

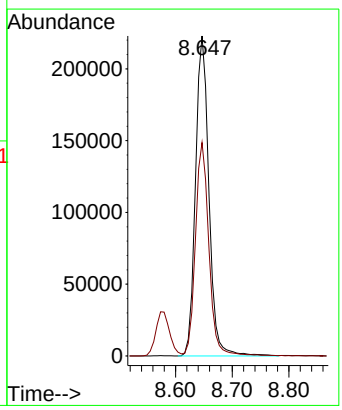


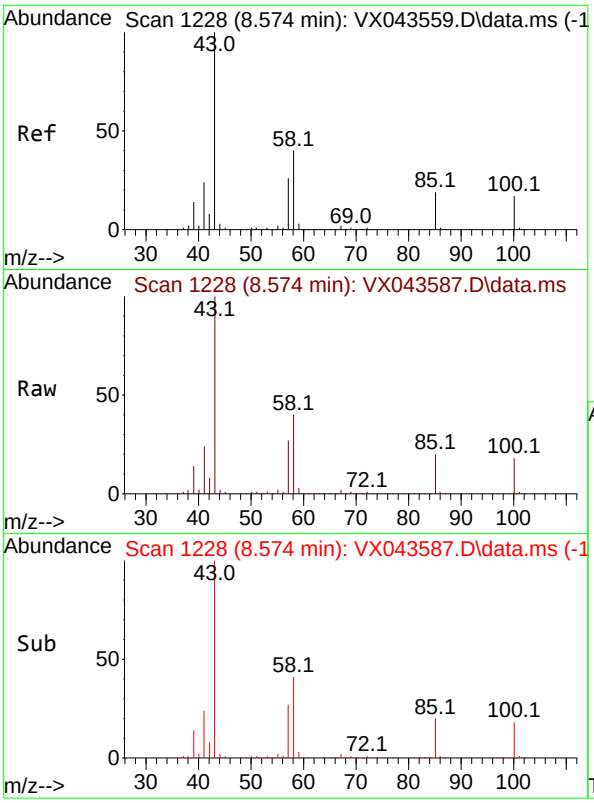


#50
Toluene-d8
Concen: 50.025 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 98 Resp: 366426

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2



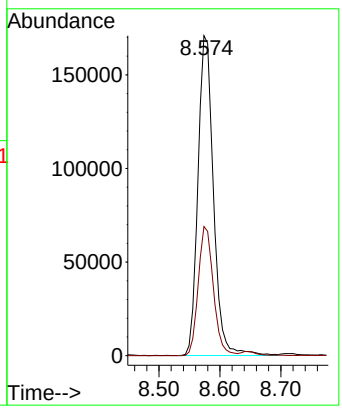


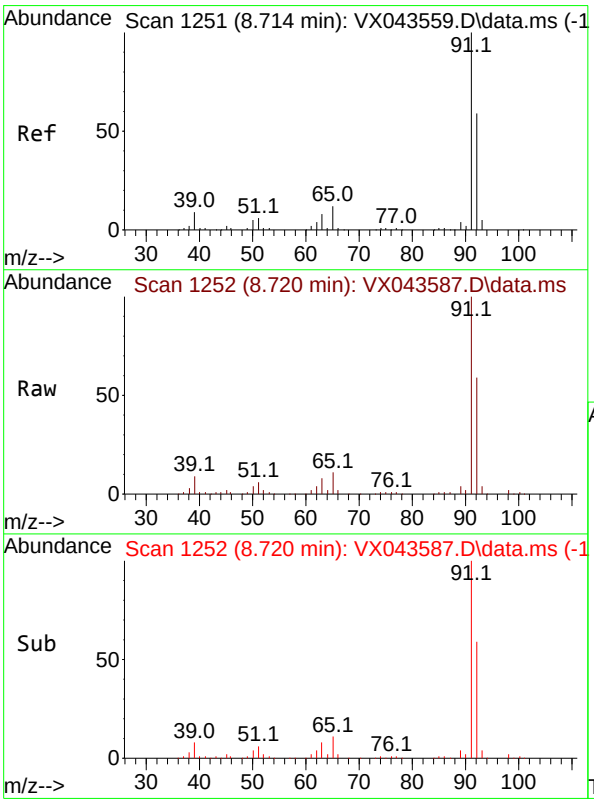
#51
4-Methyl-2-Pentanone
Concen: 98.818 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 303410

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.7	47.5

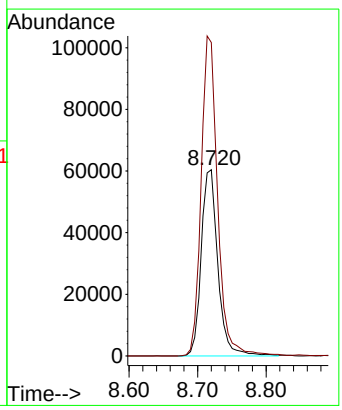


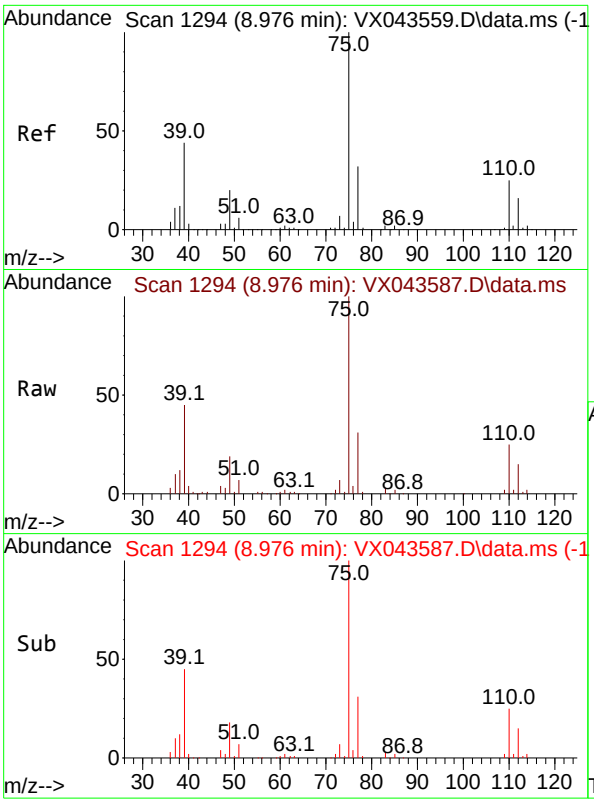


#52
Toluene
Concen: 20.164 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 92 Resp: 102358

Ion	Ratio	Lower	Upper
92	100		
91	169.9	135.7	203.5



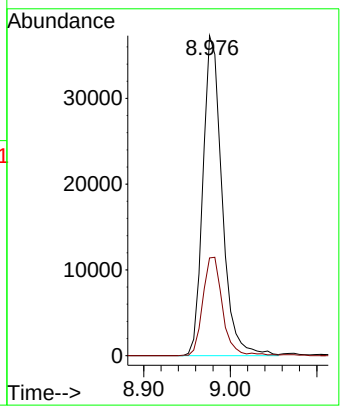


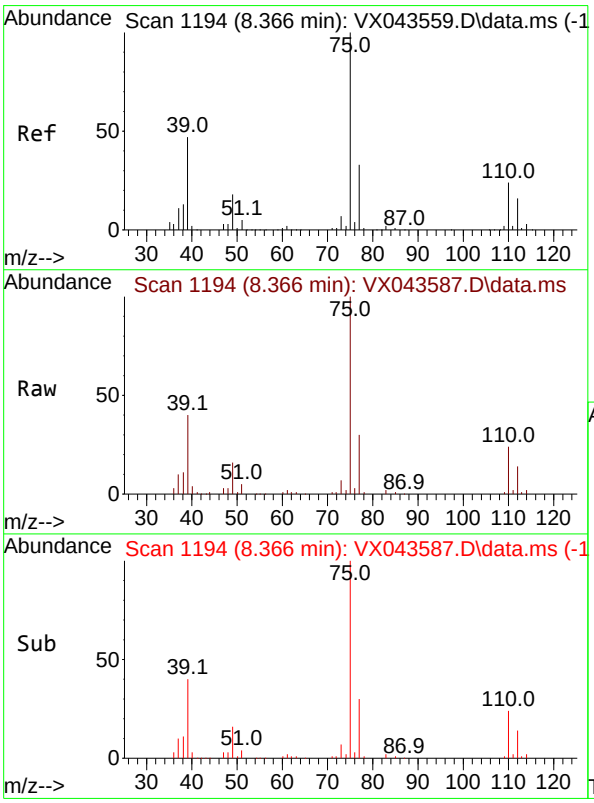
#53
t-1,3-Dichloropropene
Concen: 19.136 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 75 Resp: 57218

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0

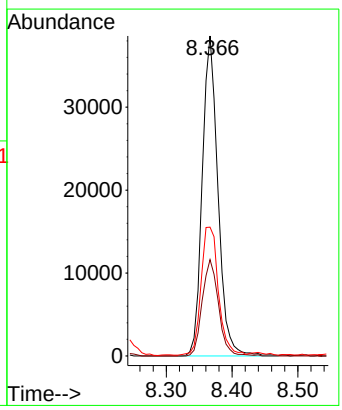


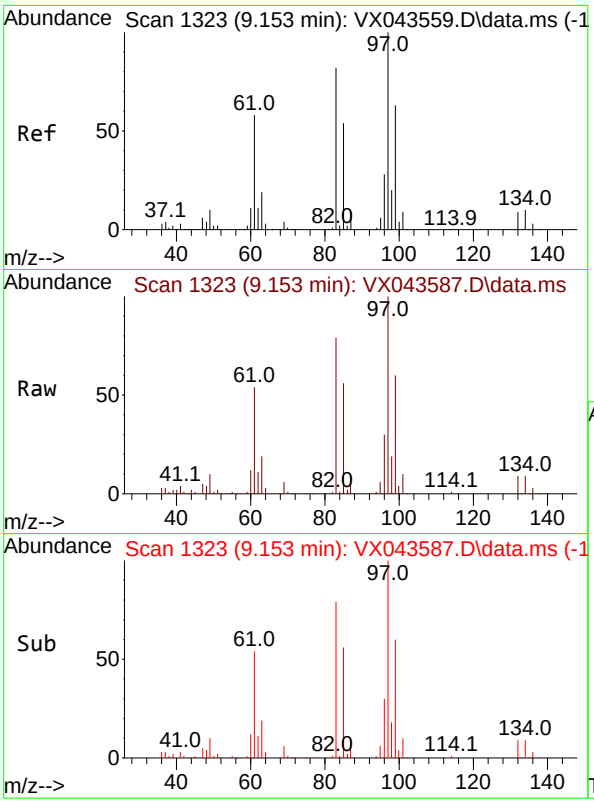


#54
cis-1,3-Dichloropropene
Concen: 20.128 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 64125

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2
39	40.0	37.7	56.5



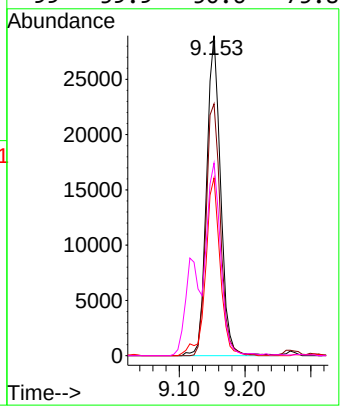


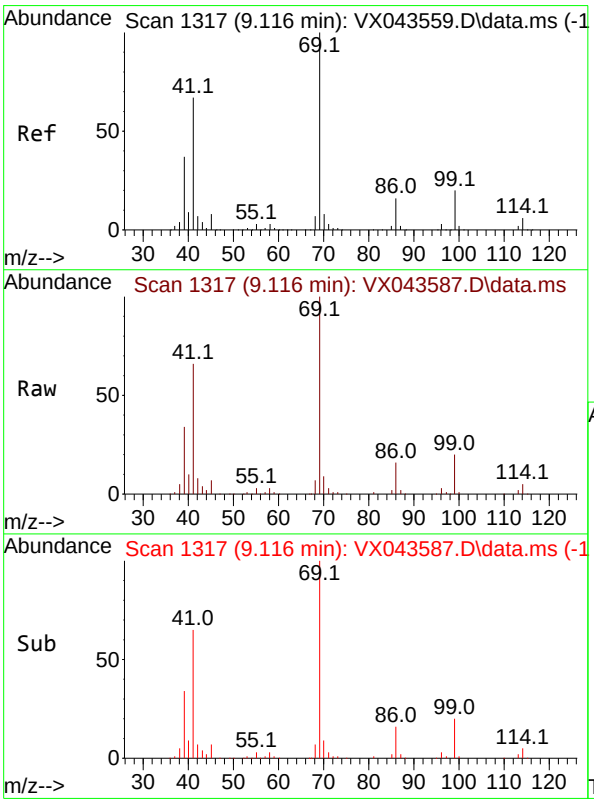
#55
1,1,2-Trichloroethane
Concen: 20.290 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 97 Resp: 42874

Ion	Ratio	Lower	Upper
97	100		
83	78.7	67.3	100.9
85	55.6	43.6	65.4
99	59.9	50.6	75.8

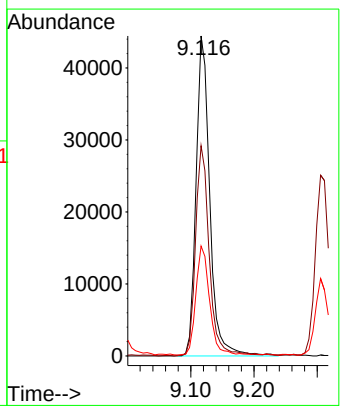


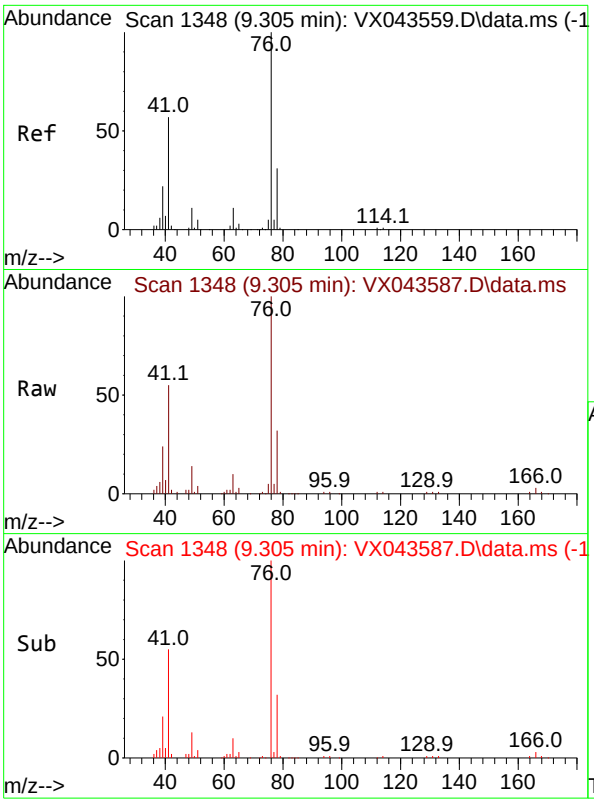


#56
Ethyl methacrylate
Concen: 19.564 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 69 Resp: 67171

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.8	80.8
39	34.0	29.9	44.9



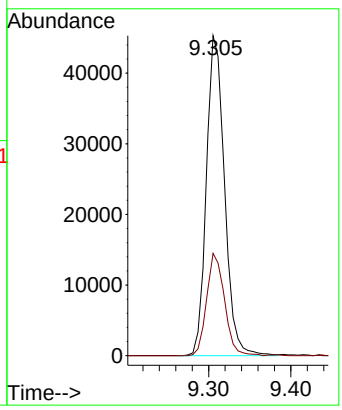


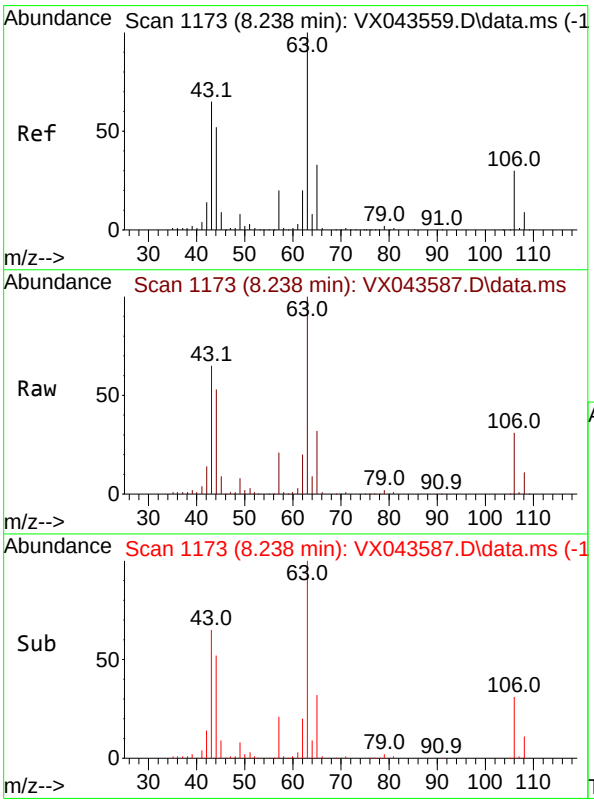
#57
1,3-Dichloropropane
Concen: 19.741 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 76 Resp: 69379

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9

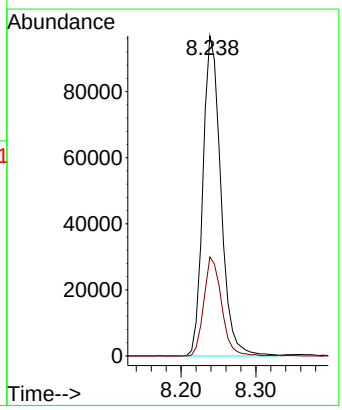


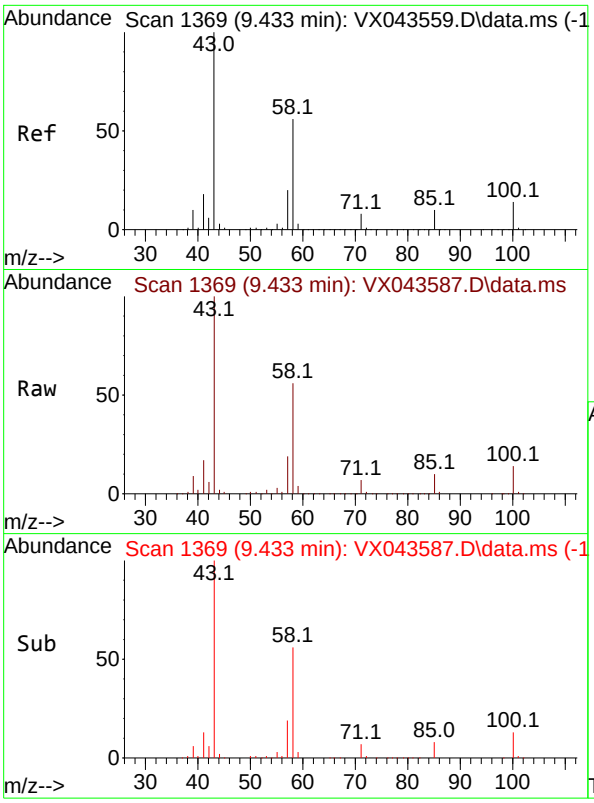


#58
2-Chloroethyl Vinyl ether
Concen: 96.934 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 63 Resp: 161188

Ion	Ratio	Lower	Upper
63	100		
106	30.6	23.6	35.4



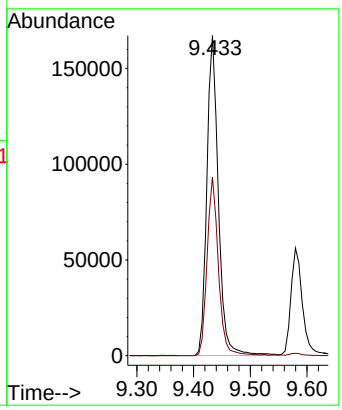


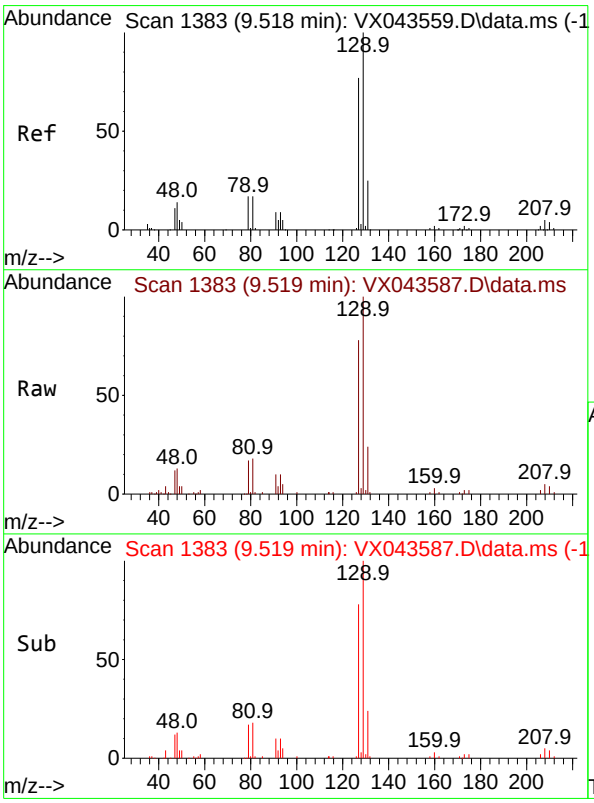
#59
2-Hexanone
Concen: 101.166 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 43 Resp: 235915

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.5	82.5

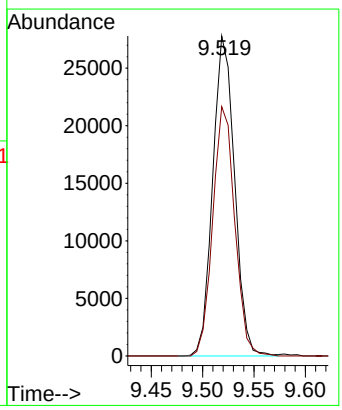


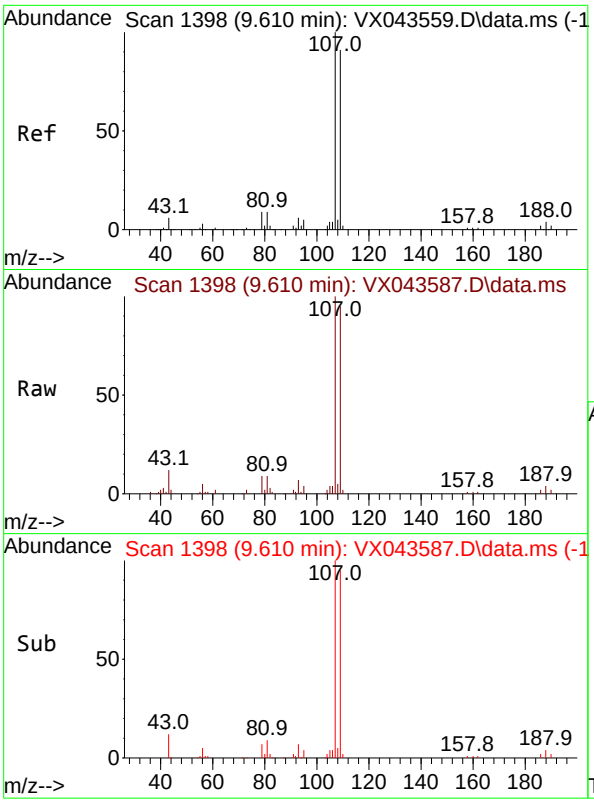


#60
Dibromochloromethane
Concen: 19.595 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:129 Resp: 41001

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.4	115.1



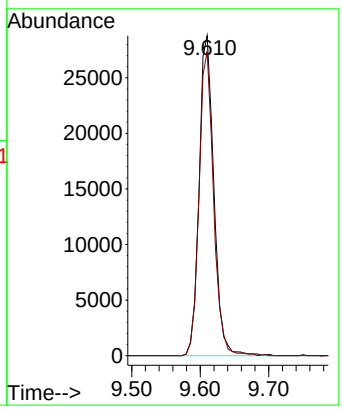


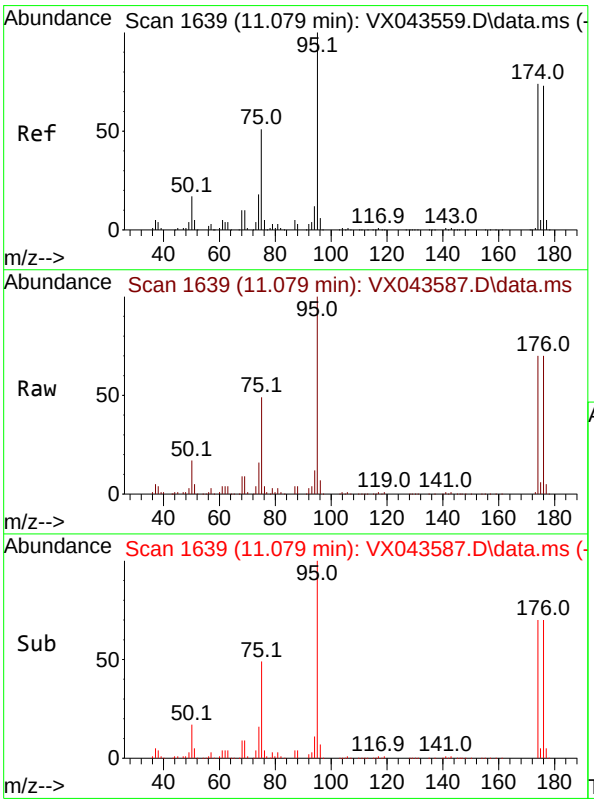
#61
1,2-Dibromoethane
Concen: 19.655 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:107 Resp: 43112

Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.1	115.7

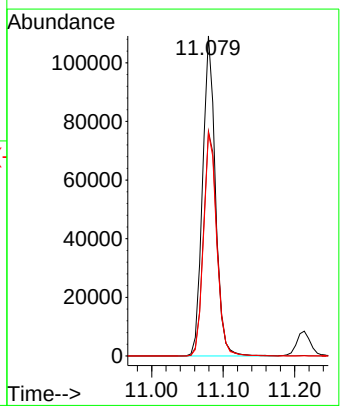


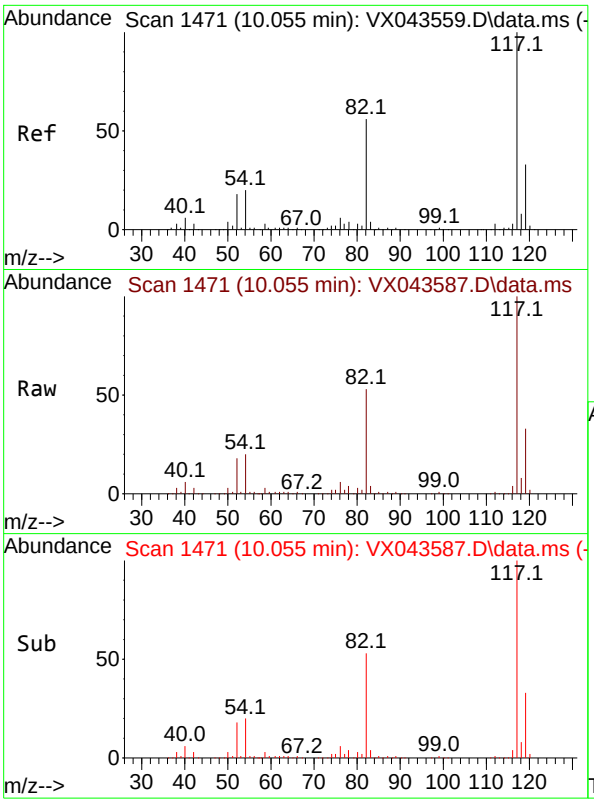


#62
4-Bromofluorobenzene
Concen: 50.055 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 95 Resp: 135860

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	146.6
176	71.6	0.0	139.6



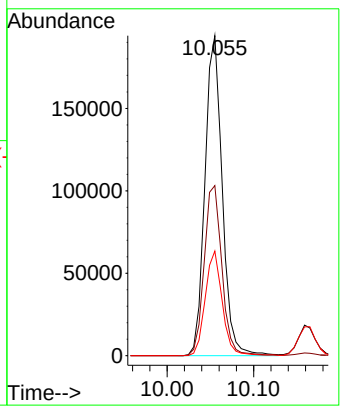


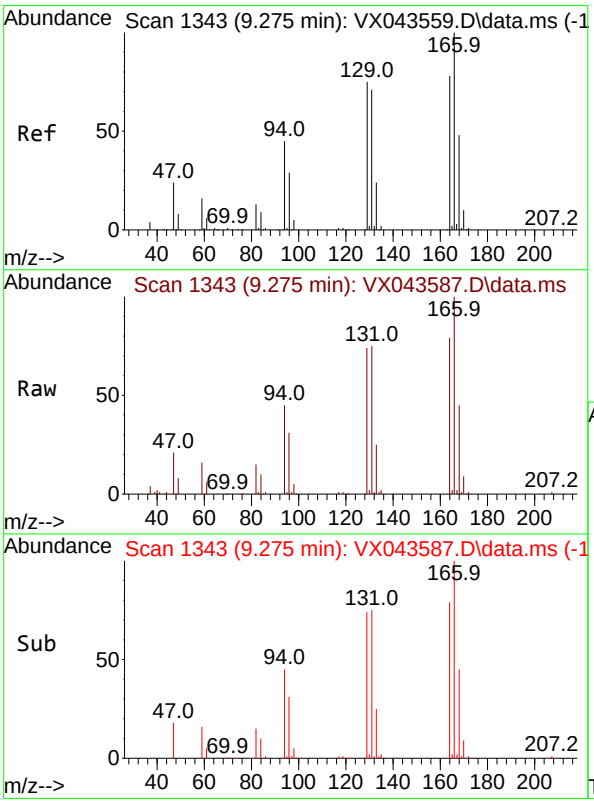
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:117 Resp: 270005

Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	32.7	25.4	38.2

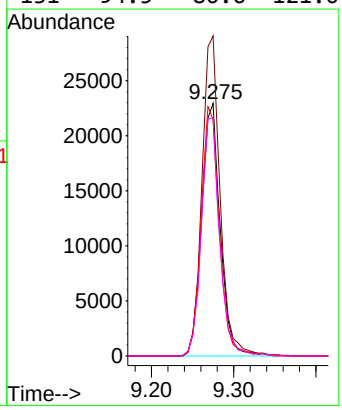


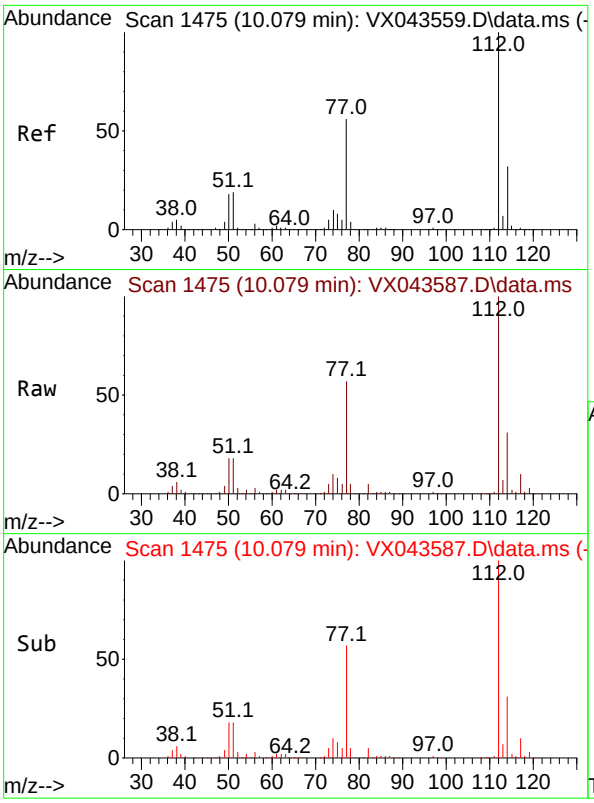


#64
Tetrachloroethene
Concen: 21.083 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:164 Resp: 35803

Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.8	155.6
129	93.5	83.8	125.6
131	94.5	80.6	121.0



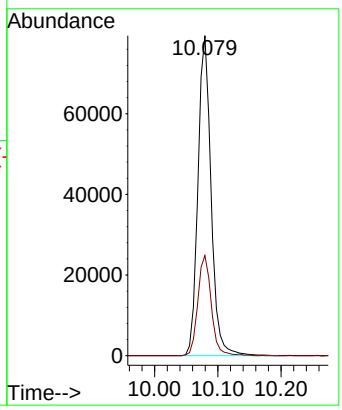


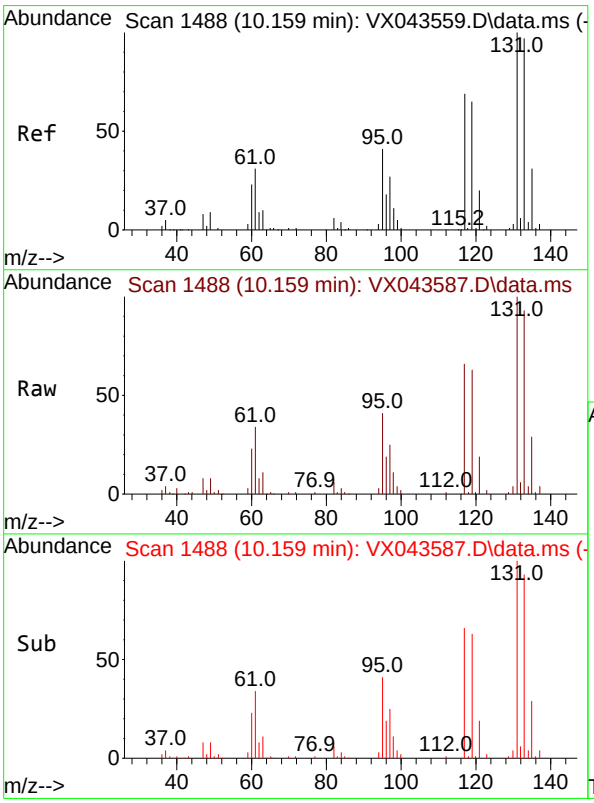
#65
Chlorobenzene
Concen: 19.776 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:112 Resp: 114879

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

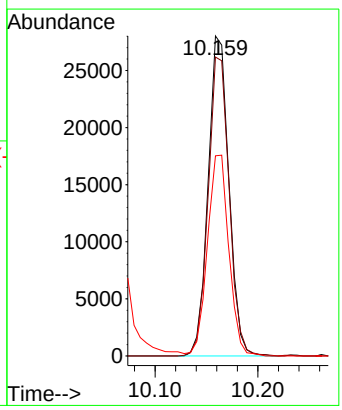


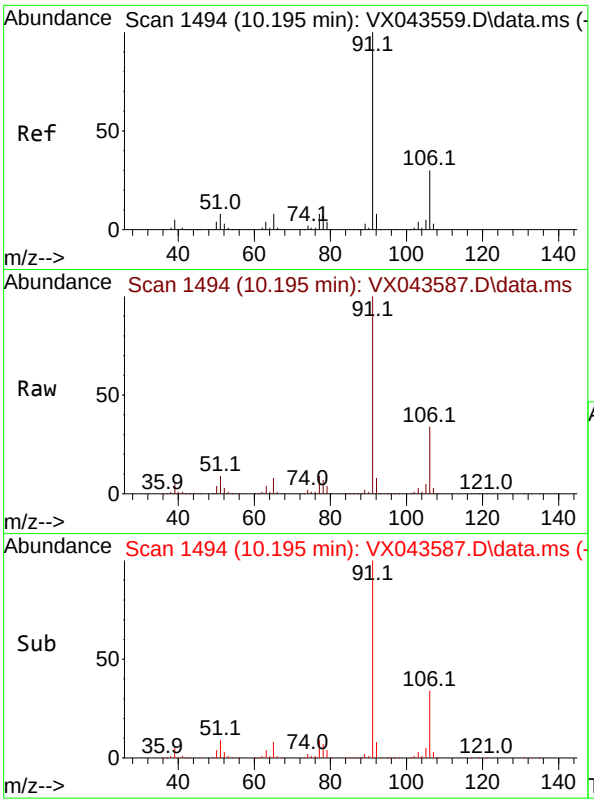


#66
1,1,1,2-Tetrachloroethane
Concen: 20.689 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:131 Resp: 39255

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.0
119	64.8	32.3	96.9



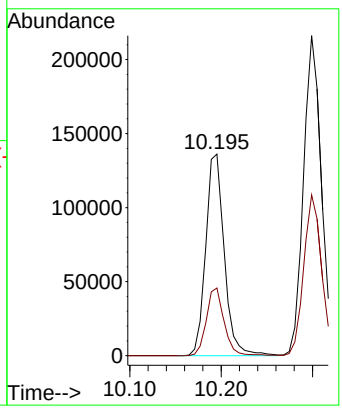


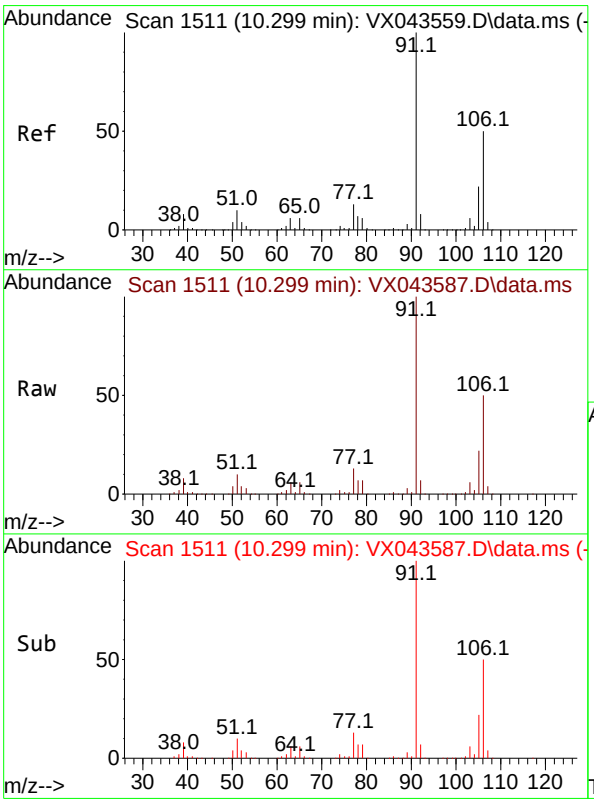
#67
Ethyl Benzene
Concen: 20.237 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 91 Resp: 191684

Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.4	38.2

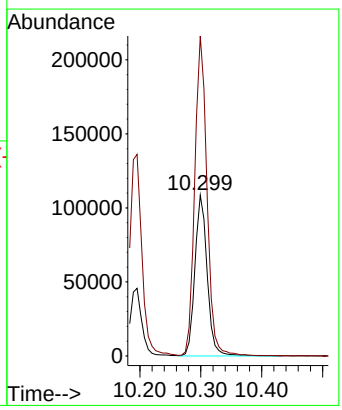


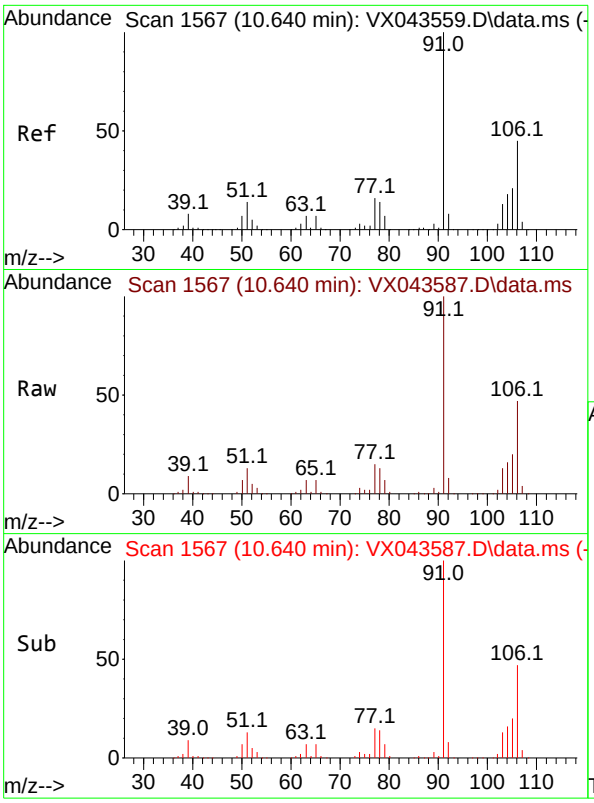


#68
m/p-Xylenes
Concen: 41.895 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:106 Resp: 151758

Ion	Ratio	Lower	Upper
106	100		
91	197.9	164.7	247.1



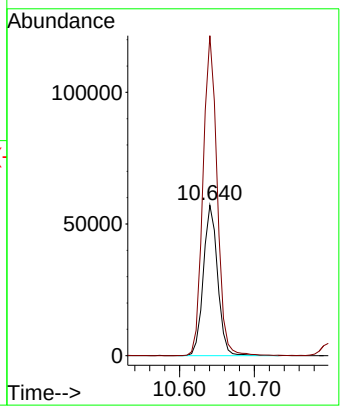


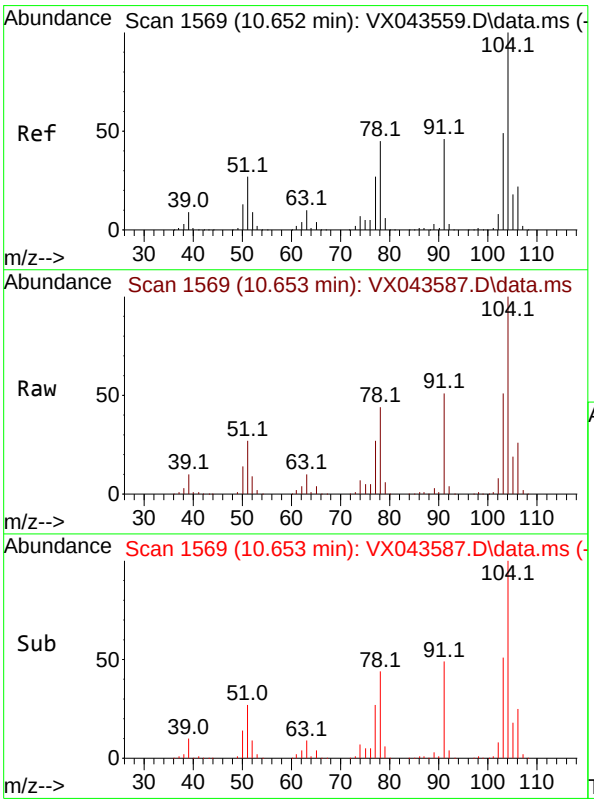
#69
o-Xylene
Concen: 20.836 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:106 Resp: 75831

Ion	Ratio	Lower	Upper
106	100		
91	210.7	107.9	323.7

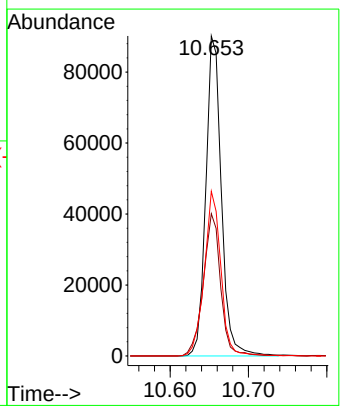


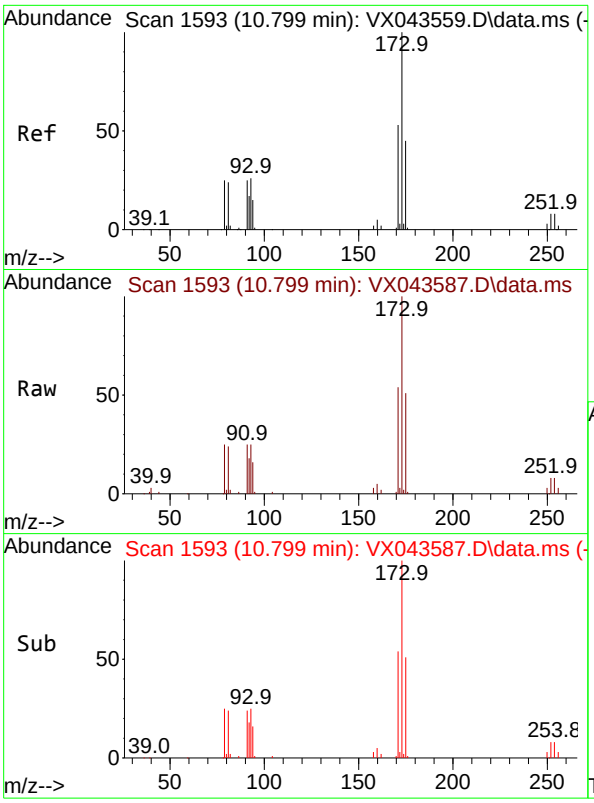


#70
Styrene
Concen: 20.534 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:104 Resp: 124213

Ion	Ratio	Lower	Upper
104	100		
78	49.5	40.0	60.0
103	54.9	43.4	65.0



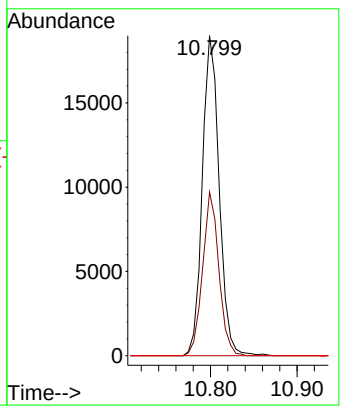


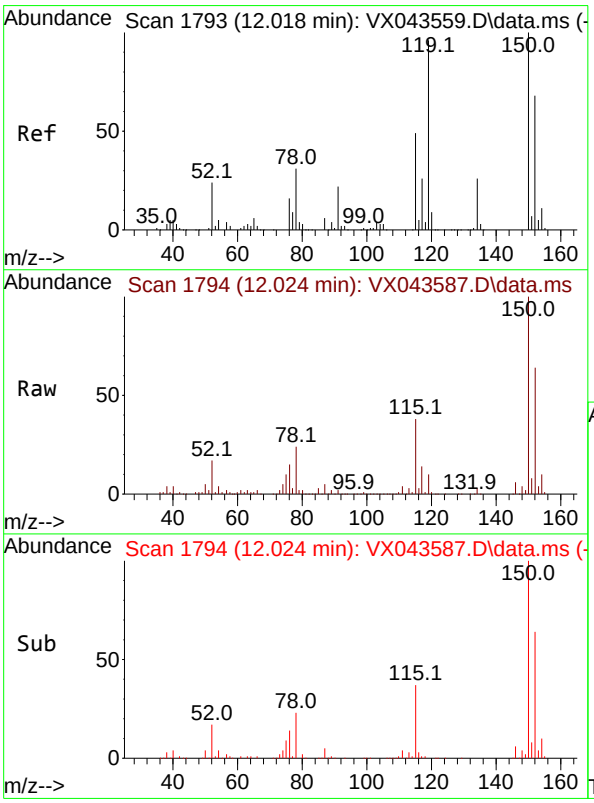
#71
Bromoform
Concen: 18.805 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:173 Resp: 25655

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.3	69.9
254	0.0	0.0	0.0

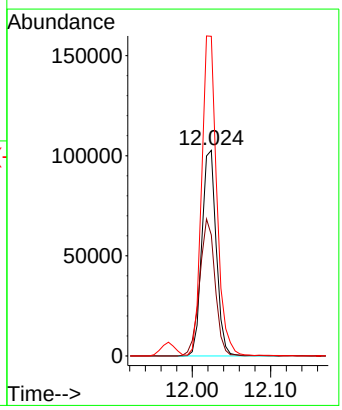


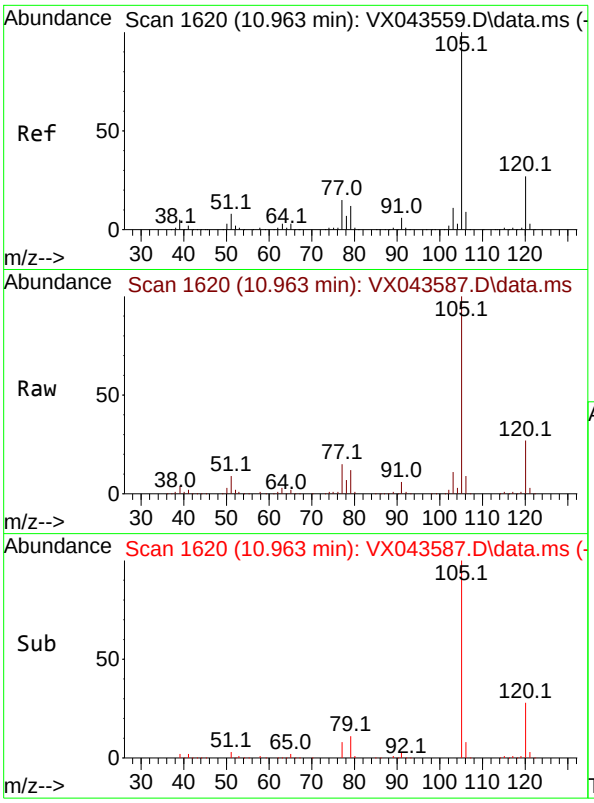


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:152 Resp: 131226

Ion	Ratio	Lower	Upper
152	100		
115	71.2	42.9	128.7
150	162.4	0.0	343.6



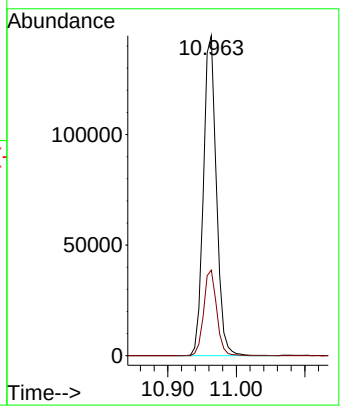


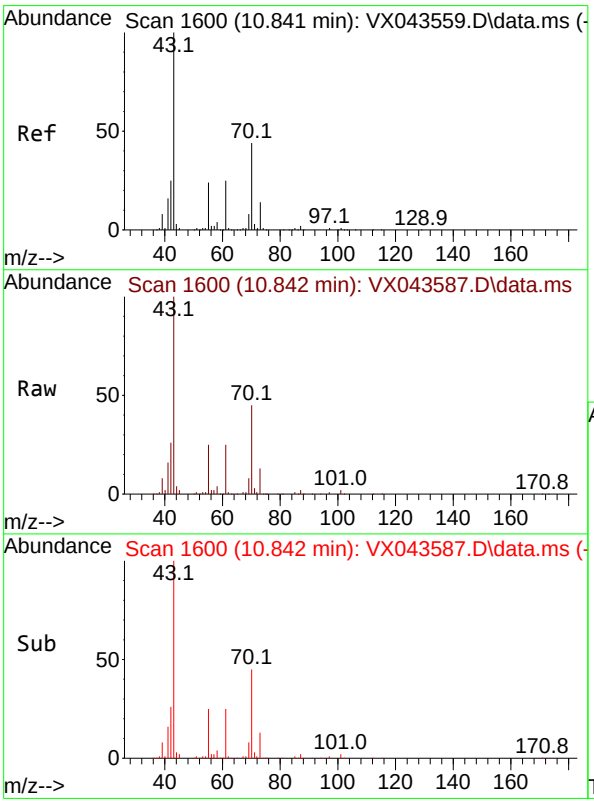
#73
Isopropylbenzene
Concen: 20.509 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:105 Resp: 190648

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

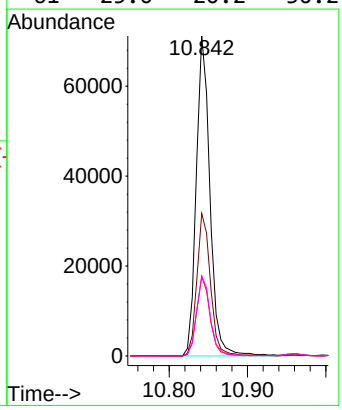


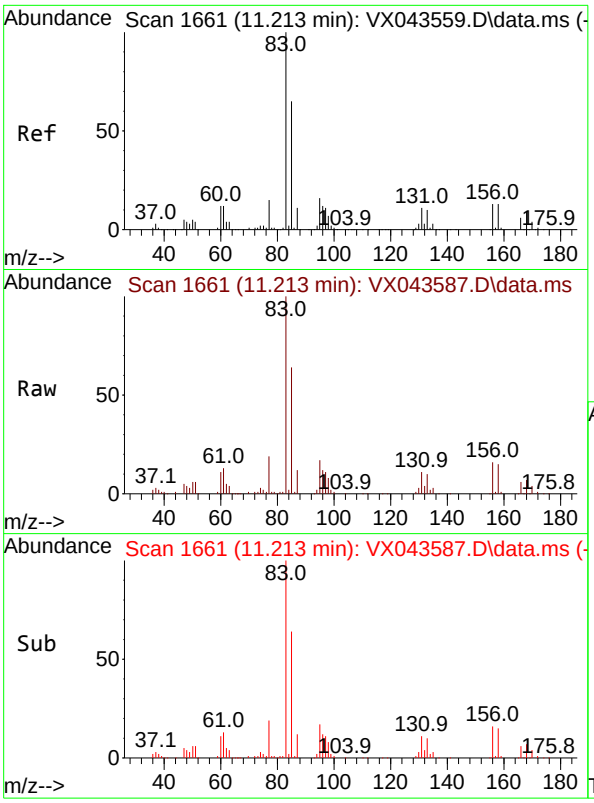


#74
N-amyl acetate
Concen: 19.182 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 43 Resp: 86862

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.6	52.0
55	24.7	19.6	29.4
61	25.0	20.2	30.2



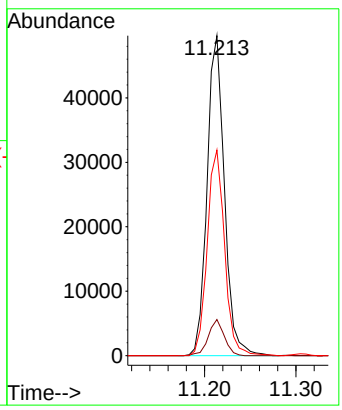


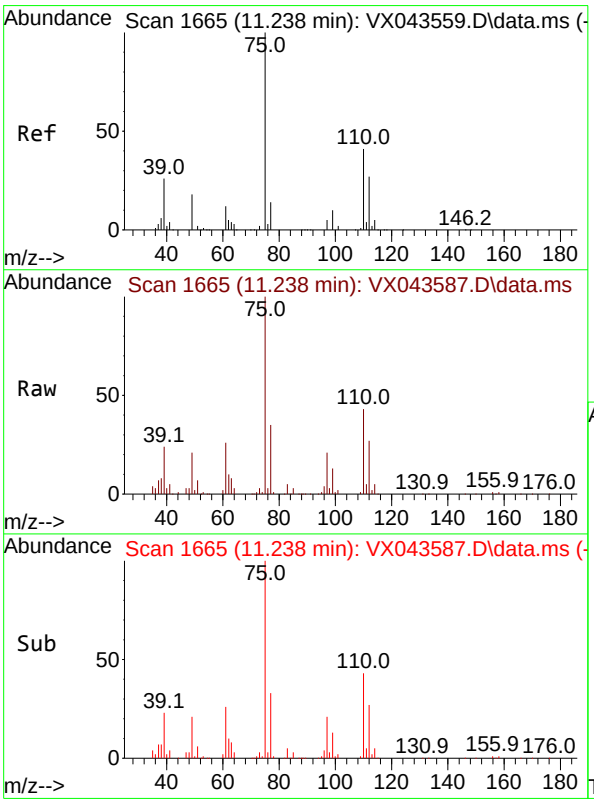
#75
1,1,2,2-Tetrachloroethane
Concen: 19.563 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 83 Resp: 65393

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.5	32.4	97.0

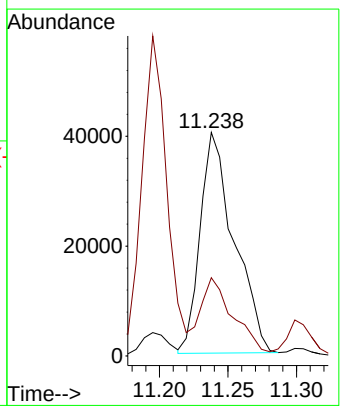


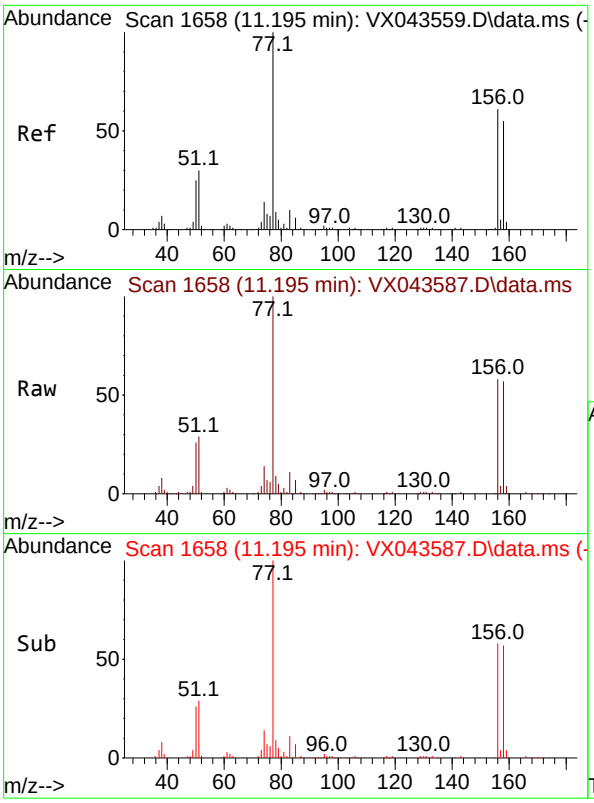


#76
1,2,3-Trichloropropane
Concen: 24.794 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 69567

Ion	Ratio	Lower	Upper
75	100		
77	35.0	22.4	67.2



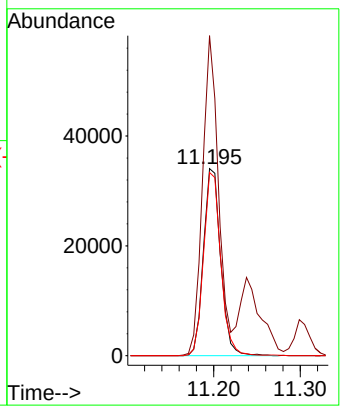


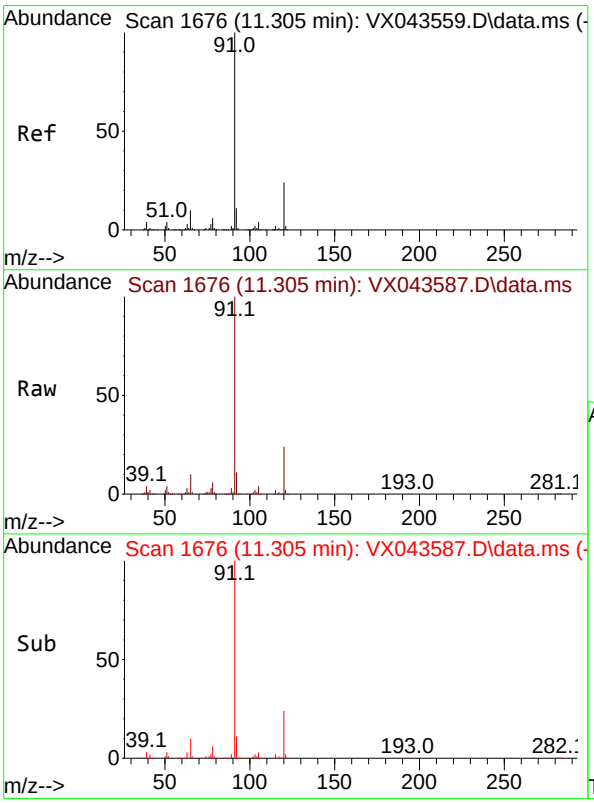
#77
Bromobenzene
Concen: 19.579 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:156 Resp: 46994

Ion	Ratio	Lower	Upper
156	100		
77	158.2	79.7	239.1
158	98.1	48.0	144.0

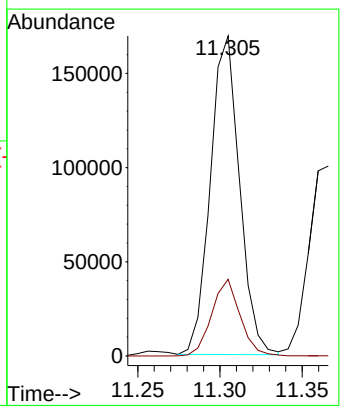


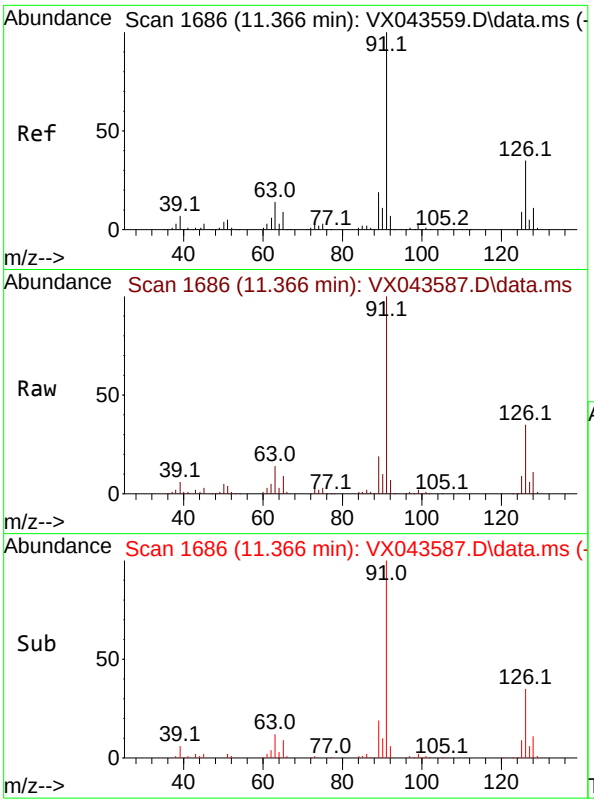


#78
n-propylbenzene
Concen: 20.606 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 91 Resp: 208848

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.7



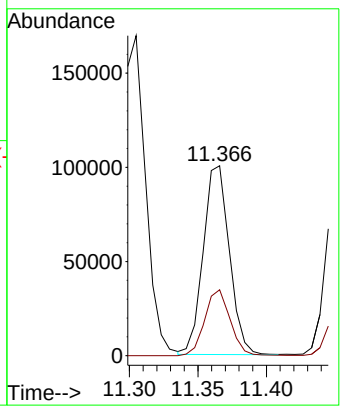


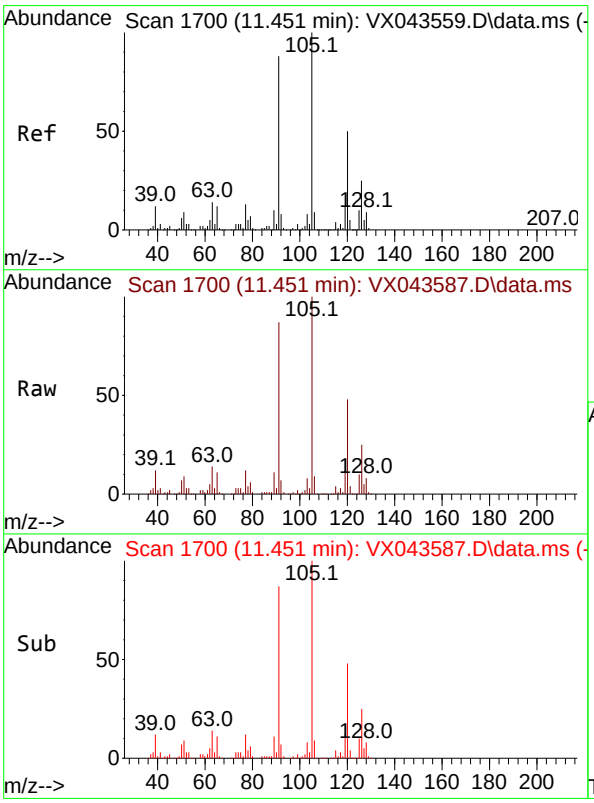
#79
2-Chlorotoluene
Concen: 19.846 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 91 Resp: 133377

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.7	50.0

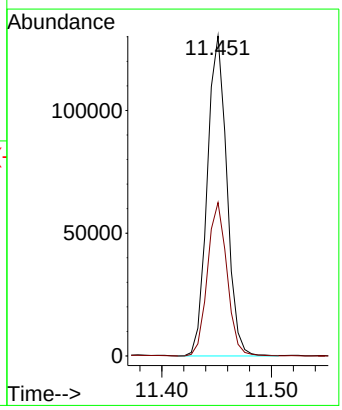


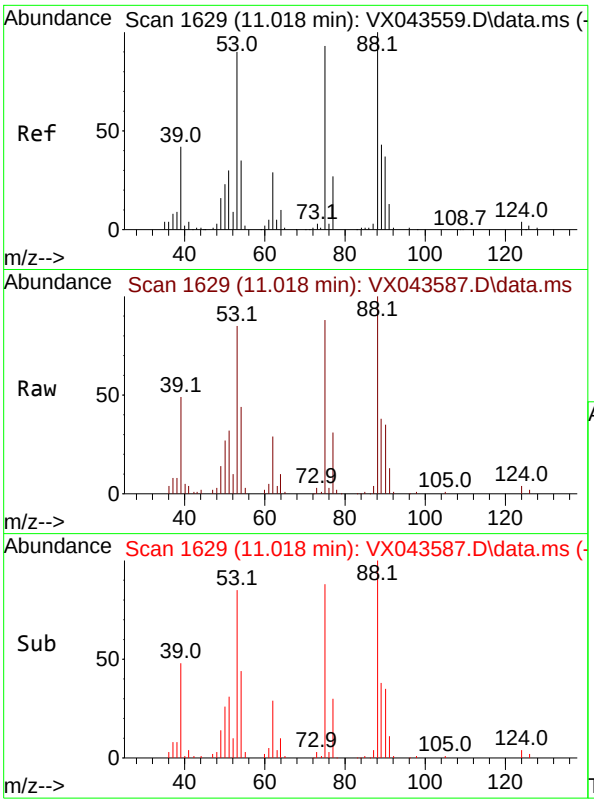


#80
1,3,5-Trimethylbenzene
Concen: 20.806 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:105 Resp: 161261

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.5



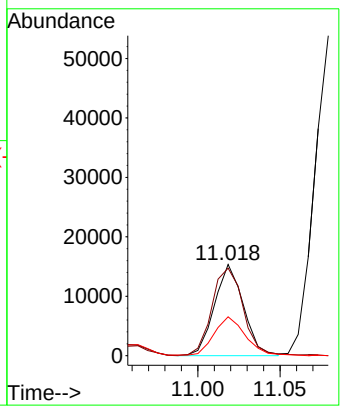


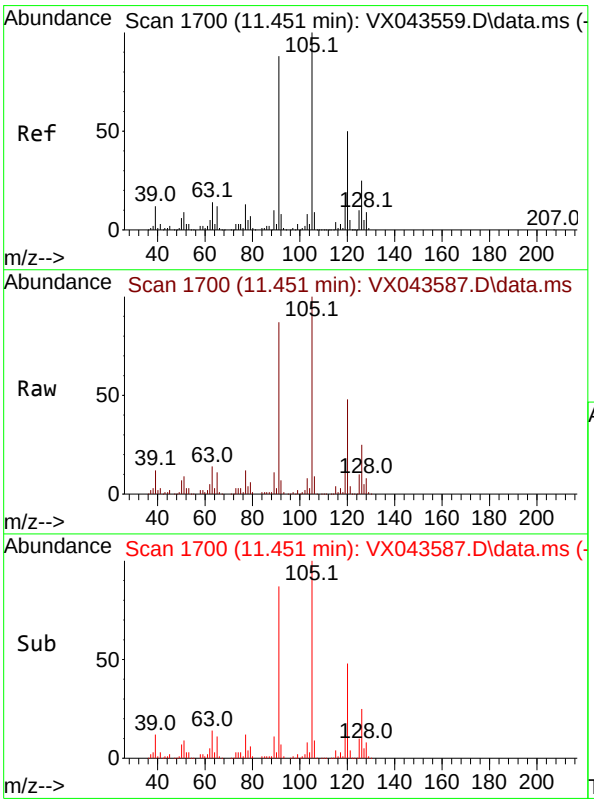
#81
trans-1,4-Dichloro-2-butene
Concen: 18.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 75 Resp: 18827

Ion	Ratio	Lower	Upper
75	100		
53	104.4	84.6	126.8
89	46.3	38.6	58.0

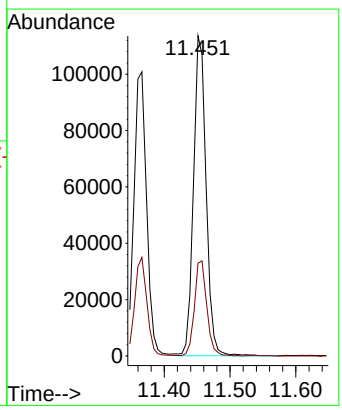


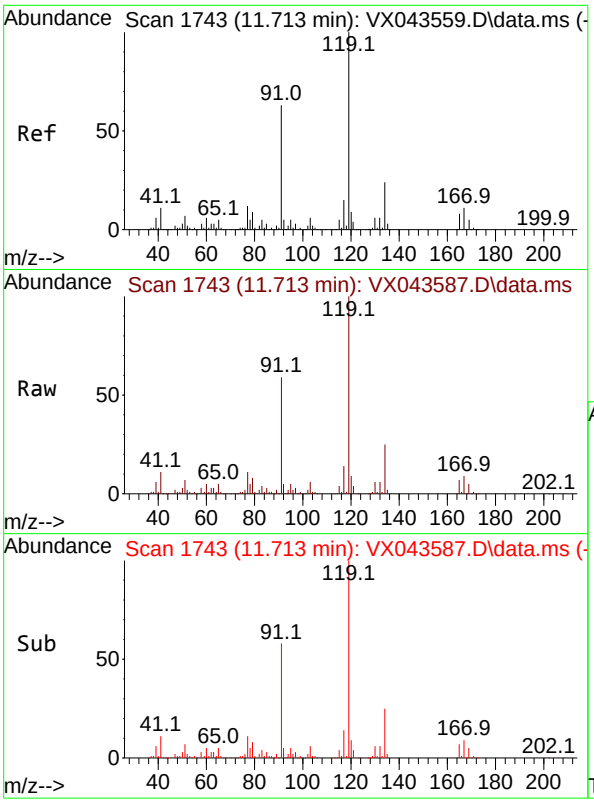


#82
4-Chlorotoluene
Concen: 19.974 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 91 Resp: 150670

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.2	42.8



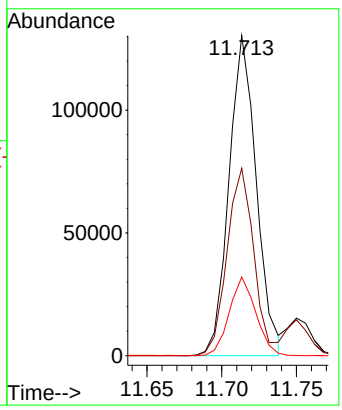


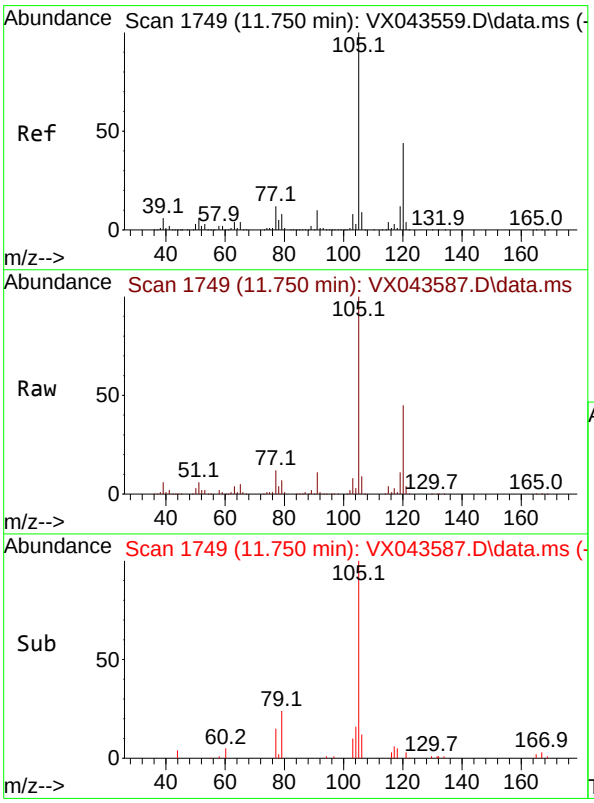
#83
tert-Butylbenzene
Concen: 21.037 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:119 Resp: 165824

Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.5	88.5
134	23.9	11.8	35.3

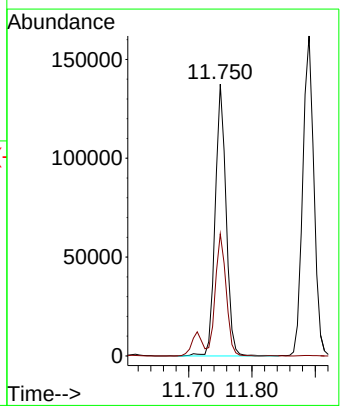


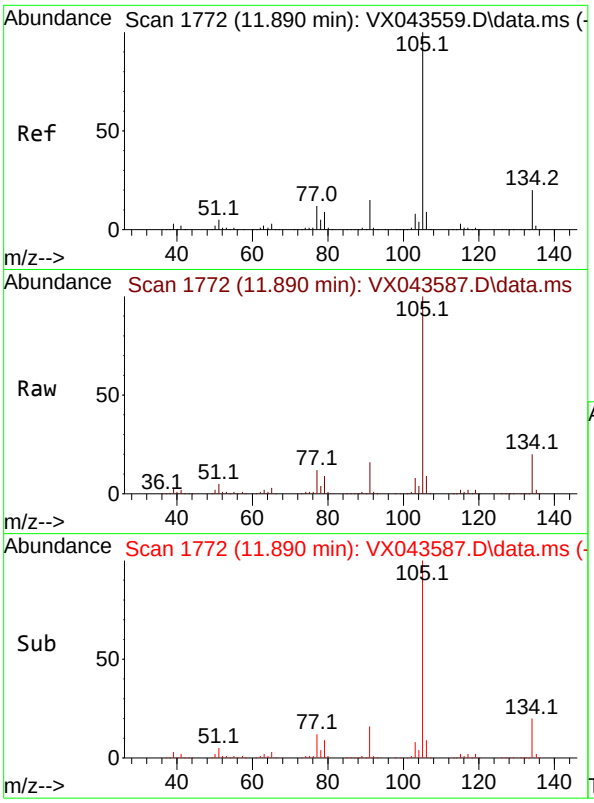


#84
1,2,4-Trimethylbenzene
Concen: 20.749 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:105 Resp: 163892

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1



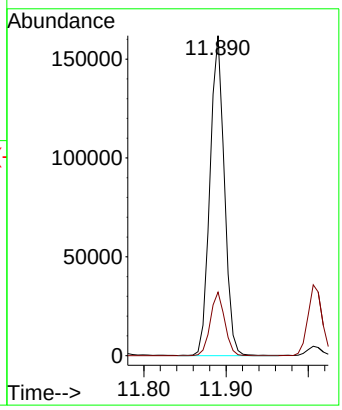


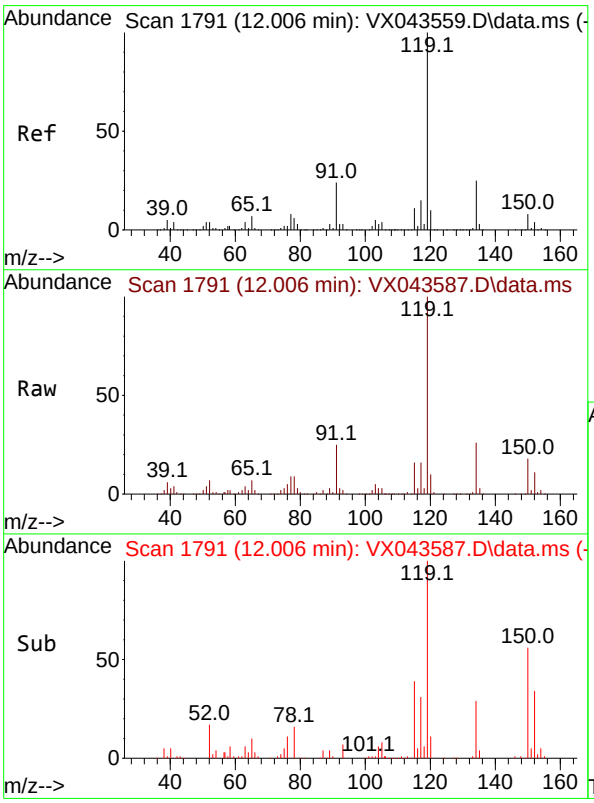
#85
sec-Butylbenzene
Concen: 21.328 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:105 Resp: 197051

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

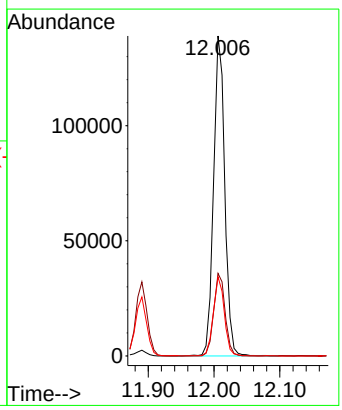


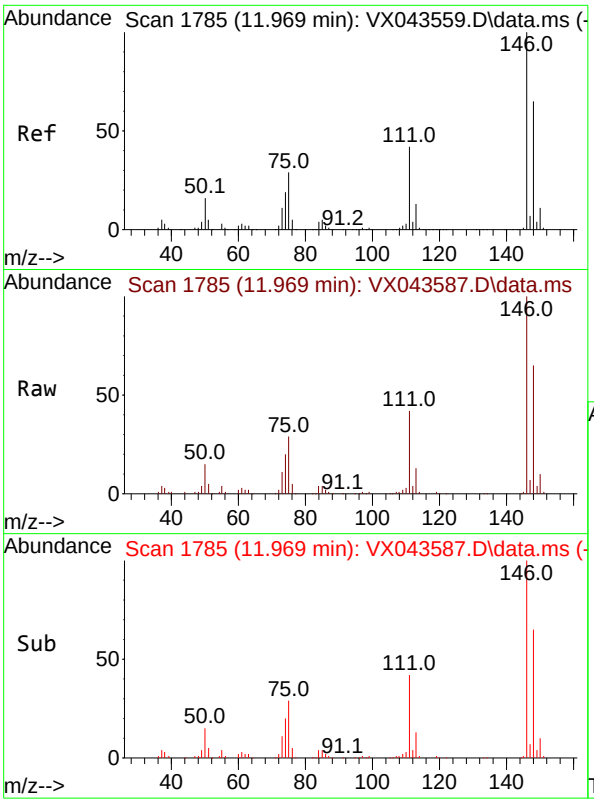


#86
p-Isopropyltoluene
Concen: 20.970 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:119 Resp: 164691

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	24.3	12.4	37.0



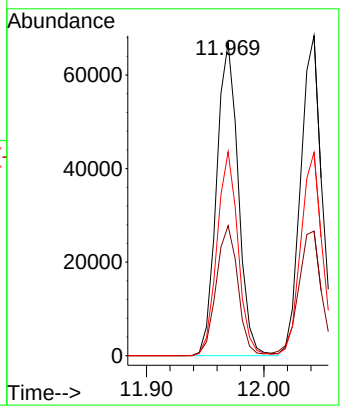


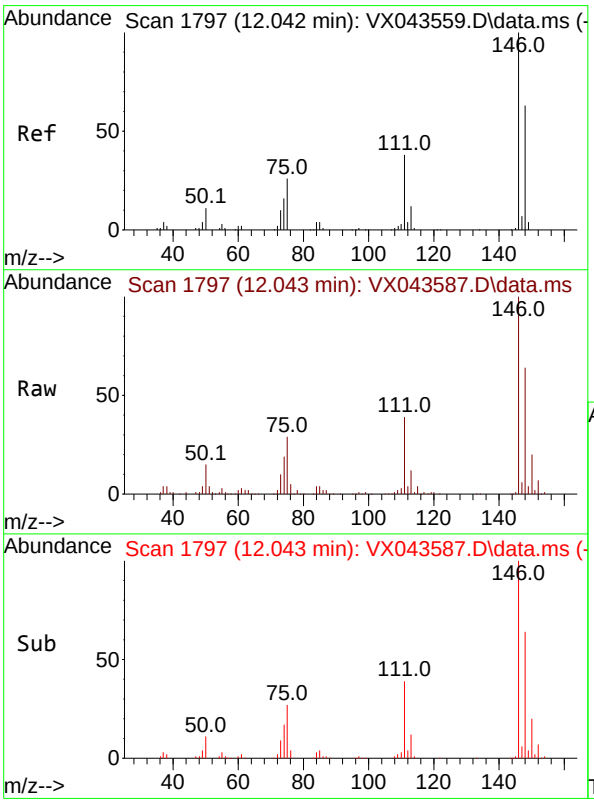
#87
1,3-Dichlorobenzene
Concen: 19.950 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:146 Resp: 85827

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	63.1	31.6	94.8

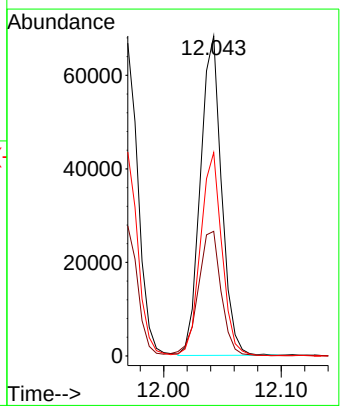


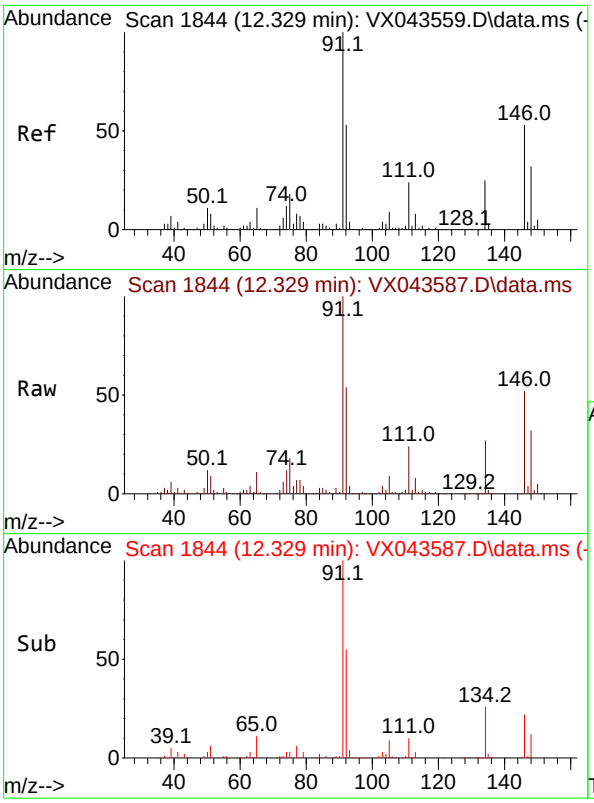


#88
1,4-Dichlorobenzene
Concen: 19.143 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:146 Resp: 85335

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.3
148	64.4	31.9	95.9



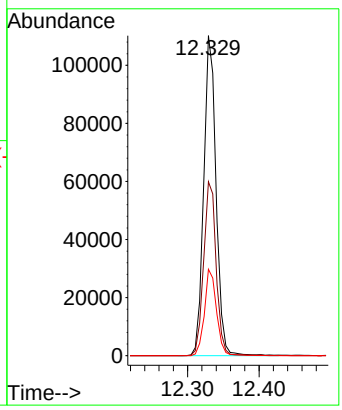


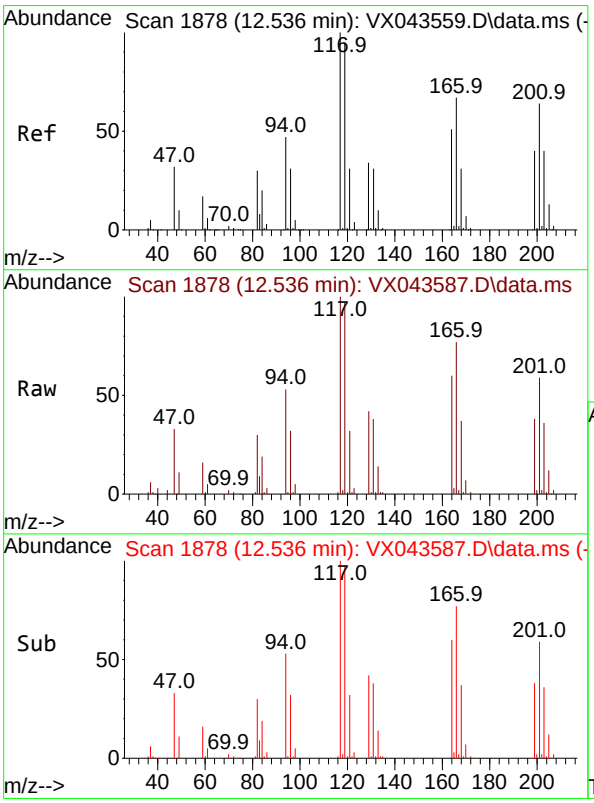
#89
n-Butylbenzene
Concen: 20.655 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion: 91 Resp: 132178

Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.1	81.2
134	26.5	12.9	38.6

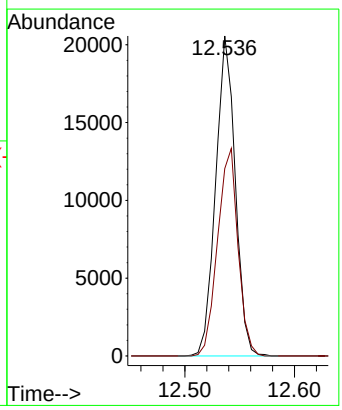


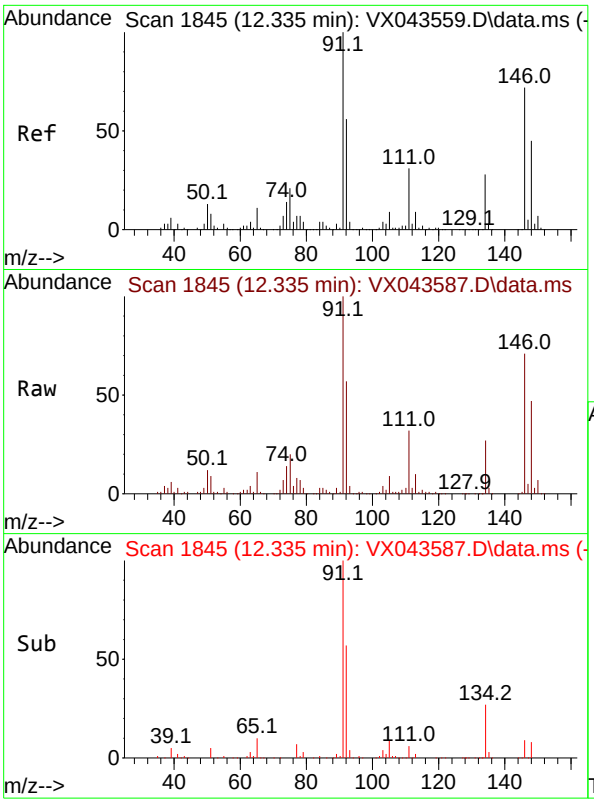


#90
Hexachloroethane
Concen: 20.029 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:117 Resp: 25551

Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.9	98.7



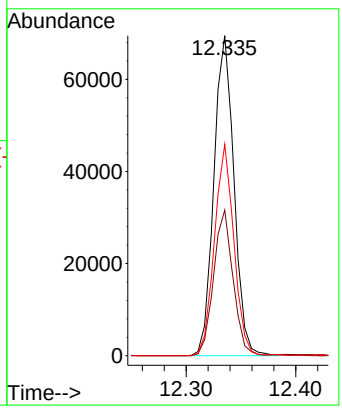


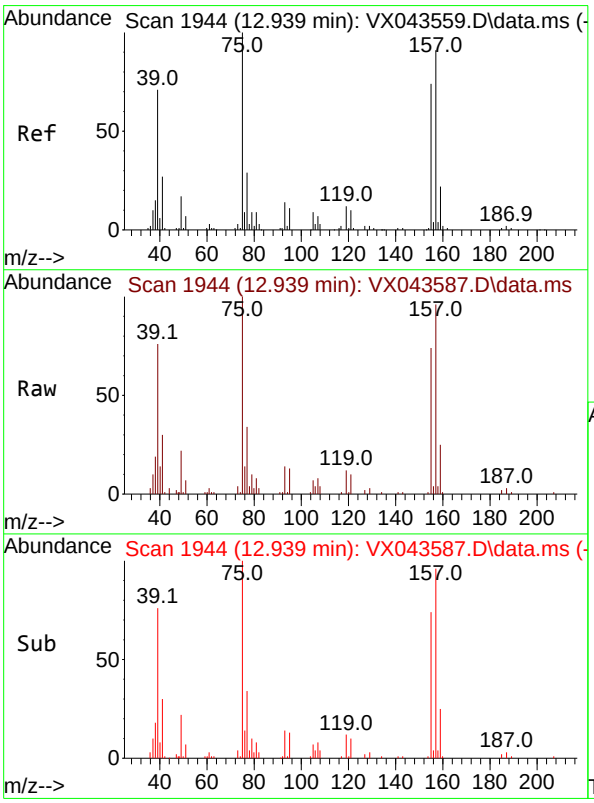
#91
1,2-Dichlorobenzene
Concen: 20.129 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:146 Resp: 88551

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	64.6
148	64.1	31.6	95.0

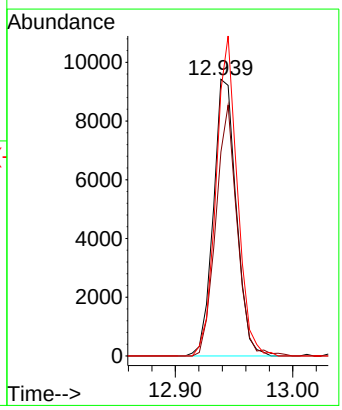


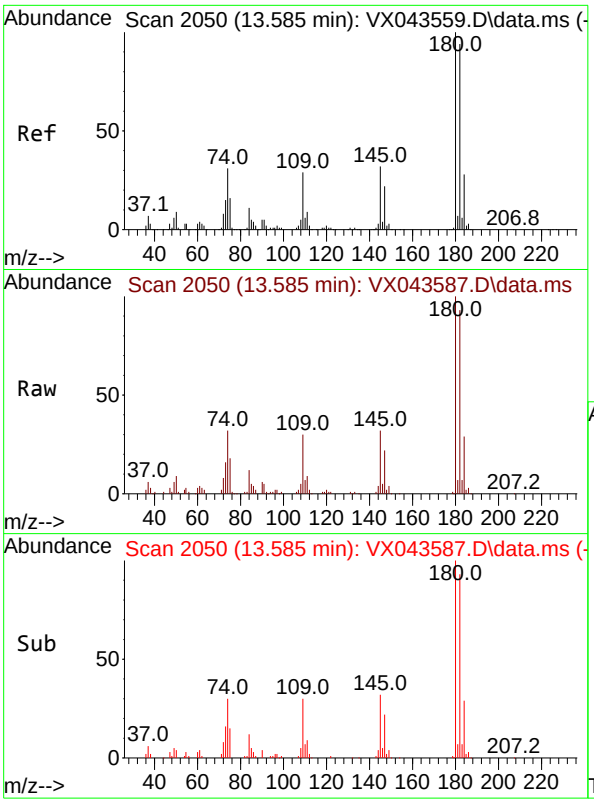


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.690 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion: 75 Resp: 12736

Ion	Ratio	Lower	Upper
75	100		
155	84.5	40.1	120.3
157	107.7	50.8	152.4



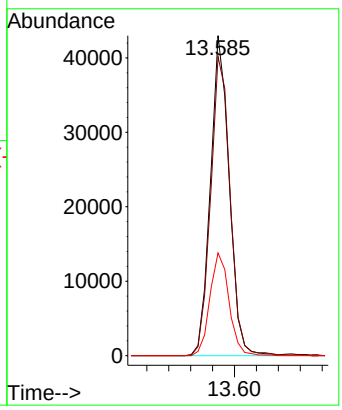


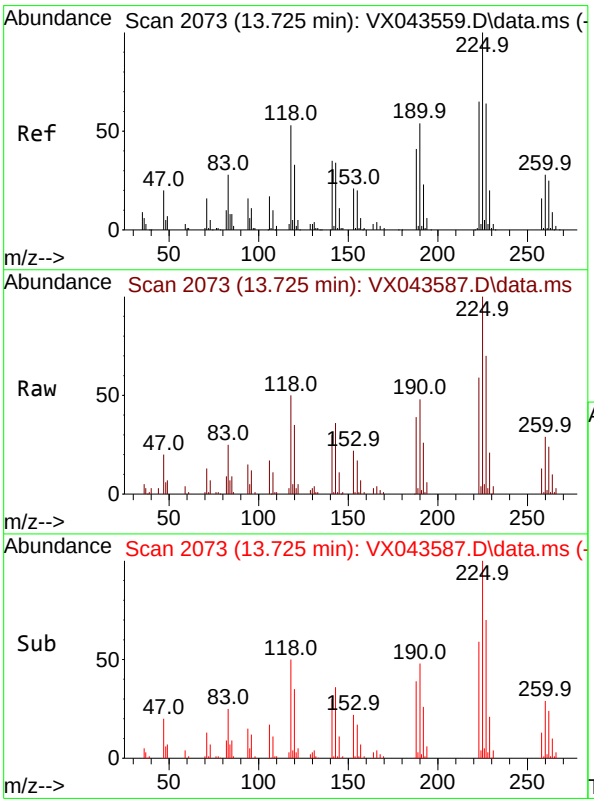
#93
1,2,4-Trichlorobenzene
Concen: 19.176 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:180 Resp: 51206

Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.8	140.4
145	32.7	16.1	48.3

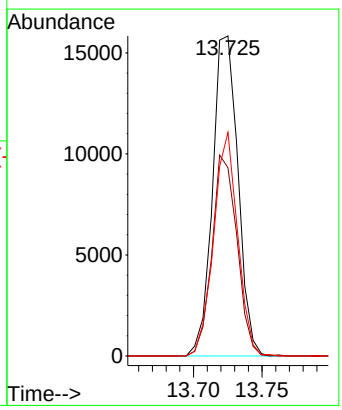


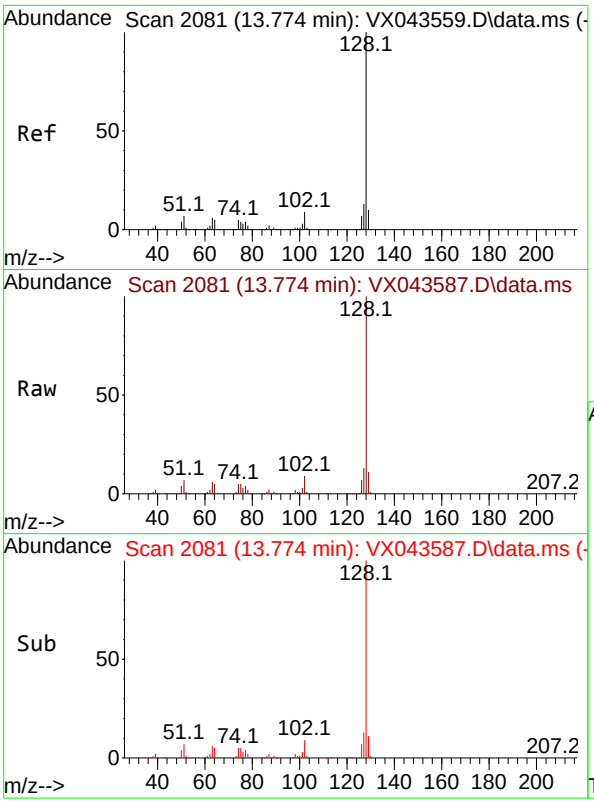


#94
Hexachlorobutadiene
Concen: 20.713 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:225 Resp: 20393

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.8	92.4
227	65.9	31.6	94.8



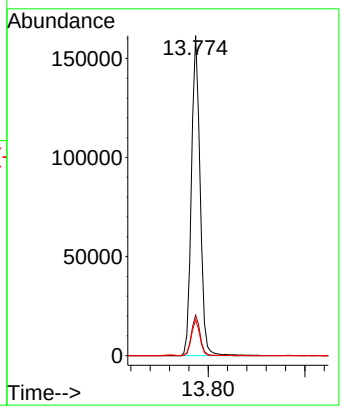


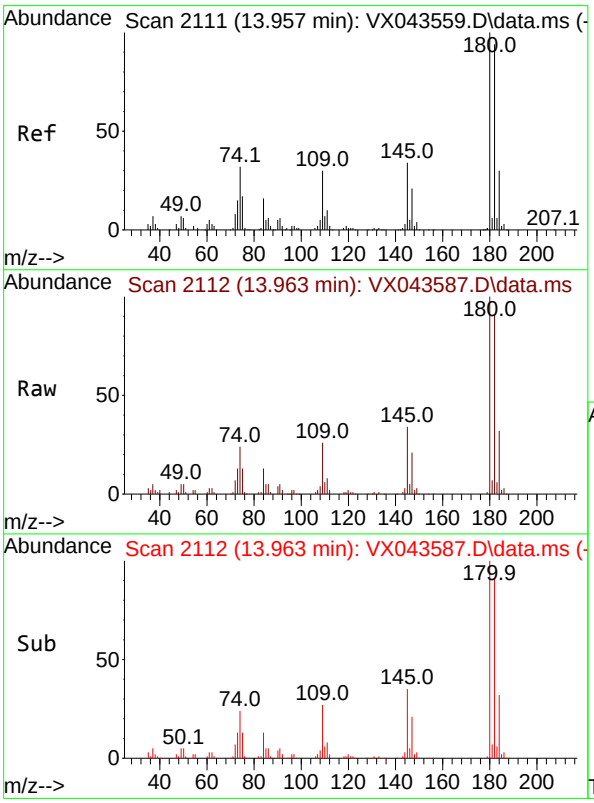
#95
Naphthalene
Concen: 19.665 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Tgt Ion:128 Resp: 200939

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.0	8.7	13.1

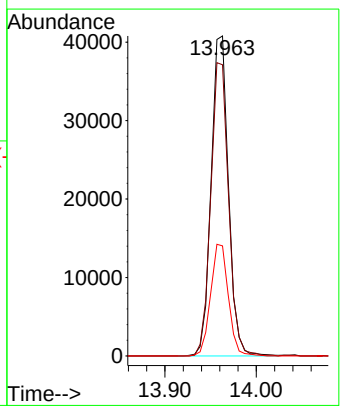




#96
1,2,3-Trichlorobenzene
Concen: 19.053 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043587.D
Acq: 29 Oct 2024 11:20

Tgt Ion:180 Resp: 53643

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.3
145	35.8	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	145188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110394	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.380%			
35) Dibromofluoromethane	5.385	113	91660	50.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	319178	51.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	11.079	95	118664	51.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	70689	45.527	ug/l	92
3) Chloromethane	1.294	50	91420	46.060	ug/l	99
4) Vinyl Chloride	1.374	62	90322	49.033	ug/l	95
5) Bromomethane	1.593	94	37321	49.698	ug/l	99
6) Chloroethane	1.660	64	31987	49.288	ug/l	96
7) Trichlorofluoromethane	1.867	101	114302	50.793	ug/l	98
8) Diethyl Ether	2.136	74	54976	52.875	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	75661	49.715	ug/l	97
10) Methyl Iodide	2.440	142	113402	51.575	ug/l	98
11) Tert butyl alcohol	3.014	59	114007	263.841	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	78253	50.316	ug/l	93
13) Acrolein	2.239	56	83603	247.404	ug/l	99
14) Allyl chloride	2.654	41	133149	49.498	ug/l	95
15) Acrylonitrile	3.068	53	256153	262.562	ug/l	100
16) Acetone	2.392	43	213222	231.934	ug/l	100
17) Carbon Disulfide	2.501	76	147050	45.217	ug/l	98
18) Methyl Acetate	2.703	43	131374	48.896	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	306719	51.858	ug/l	98
20) Methylene Chloride	2.782	84	97958	49.441	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	83879	51.050	ug/l	98
22) Diisopropyl ether	3.763	45	283296	50.951	ug/l	94
23) Vinyl Acetate	3.721	43	1217460	265.039	ug/l	98
24) 1,1-Dichloroethane	3.599	63	159722	49.980	ug/l	98
25) 2-Butanone	4.562	43	335610	250.264	ug/l	99
26) 2,2-Dichloropropane	4.471	77	114810	43.890	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	111180	52.971	ug/l	95
28) Bromochloromethane	4.897	49	75498	49.662	ug/l	93
29) Tetrahydrofuran	5.007	42	218511	250.734	ug/l	97
30) Chloroform	5.086	83	166347	49.656	ug/l	99
31) Cyclohexane	5.464	56	121093	49.541	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	138292	49.171	ug/l	98
36) 1,1-Dichloropropene	5.684	75	103282	48.407	ug/l	97
37) Ethyl Acetate	4.714	43	131589	50.801	ug/l	98
38) Carbon Tetrachloride	5.672	117	111743	47.400	ug/l	96
39) Methylcyclohexane	7.372	83	132174	49.896	ug/l	98
40) Benzene	6.031	78	362305	50.901	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	71898	52.879	ug/l		97
42) 1,2-Dichloroethane	6.086	62	127532	49.839	ug/l		97
43) Isopropyl Acetate	6.342	43	215773	50.370	ug/l		98
44) Trichloroethene	7.123	130	88486	50.041	ug/l		100
45) 1,2-Dichloropropane	7.427	63	91657	52.297	ug/l		98
46) Dibromomethane	7.580	93	69649	51.612	ug/l		97
47) Bromodichloromethane	7.818	83	122263	51.646	ug/l		98
48) Methyl methacrylate	7.696	41	104902	51.651	ug/l		95
49) 1,4-Dioxane	7.665	88	44859	1075.073	ug/l		96
51) 4-Methyl-2-Pentanone	8.573	43	676072	258.941	ug/l		99
52) Toluene	8.714	92	226884	52.560	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130475	51.314	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	143839	53.094	ug/l		94
55) 1,1,2-Trichloroethane	9.153	97	96667	53.799	ug/l		98
56) Ethyl methacrylate	9.116	69	156001	53.432	ug/l		94
57) 1,3-Dichloropropane	9.305	76	160202	53.607	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	373123	263.875	ug/l		97
59) 2-Hexanone	9.433	43	504664	254.496	ug/l		97
60) Dibromochloromethane	9.518	129	96120	54.022	ug/l		100
61) 1,2-Dibromoethane	9.610	107	99141	53.153	ug/l		99
64) Tetrachloroethene	9.275	164	74378	49.957	ug/l		93
65) Chlorobenzene	10.079	112	257636	50.588	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	86886	52.231	ug/l		98
67) Ethyl Benzene	10.195	91	414752	49.943	ug/l		99
68) m/p-Xylenes	10.299	106	323840	101.972	ug/l		95
69) o-Xylene	10.640	106	164652	51.602	ug/l		96
70) Styrene	10.652	104	281569	53.092	ug/l		99
71) Bromoform	10.799	173	61359	51.301	ug/l	#	96
73) Isopropylbenzene	10.963	105	399550	49.457	ug/l		99
74) N-amyl acetate	10.841	43	193011	49.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	145515	50.090	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	159755	65.514	ug/l		82
77) Bromobenzene	11.195	156	107968	51.757	ug/l		97
78) n-propylbenzene	11.305	91	440854	50.049	ug/l		98
79) 2-Chlorotoluene	11.366	91	287184	49.168	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	338143	50.200	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	43435	49.002	ug/l		92
82) 4-Chlorotoluene	11.451	91	327663	49.980	ug/l		97
83) tert-Butylbenzene	11.713	119	339813	49.604	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	351886	51.260	ug/l		99
85) sec-Butylbenzene	11.890	105	406636	50.641	ug/l		99
86) p-Isopropyltoluene	12.006	119	343316	50.299	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	190820	51.035	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	191784	49.502	ug/l		99
89) n-Butylbenzene	12.329	91	285567	51.345	ug/l		99
90) Hexachloroethane	12.536	117	55820	50.348	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	196688	51.444	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28312	47.806	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	124057	53.456	ug/l		99
94) Hexachlorobutadiene	13.725	225	41269	48.231	ug/l		97
95) Naphthalene	13.774	128	470706	53.003	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126642	51.757	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

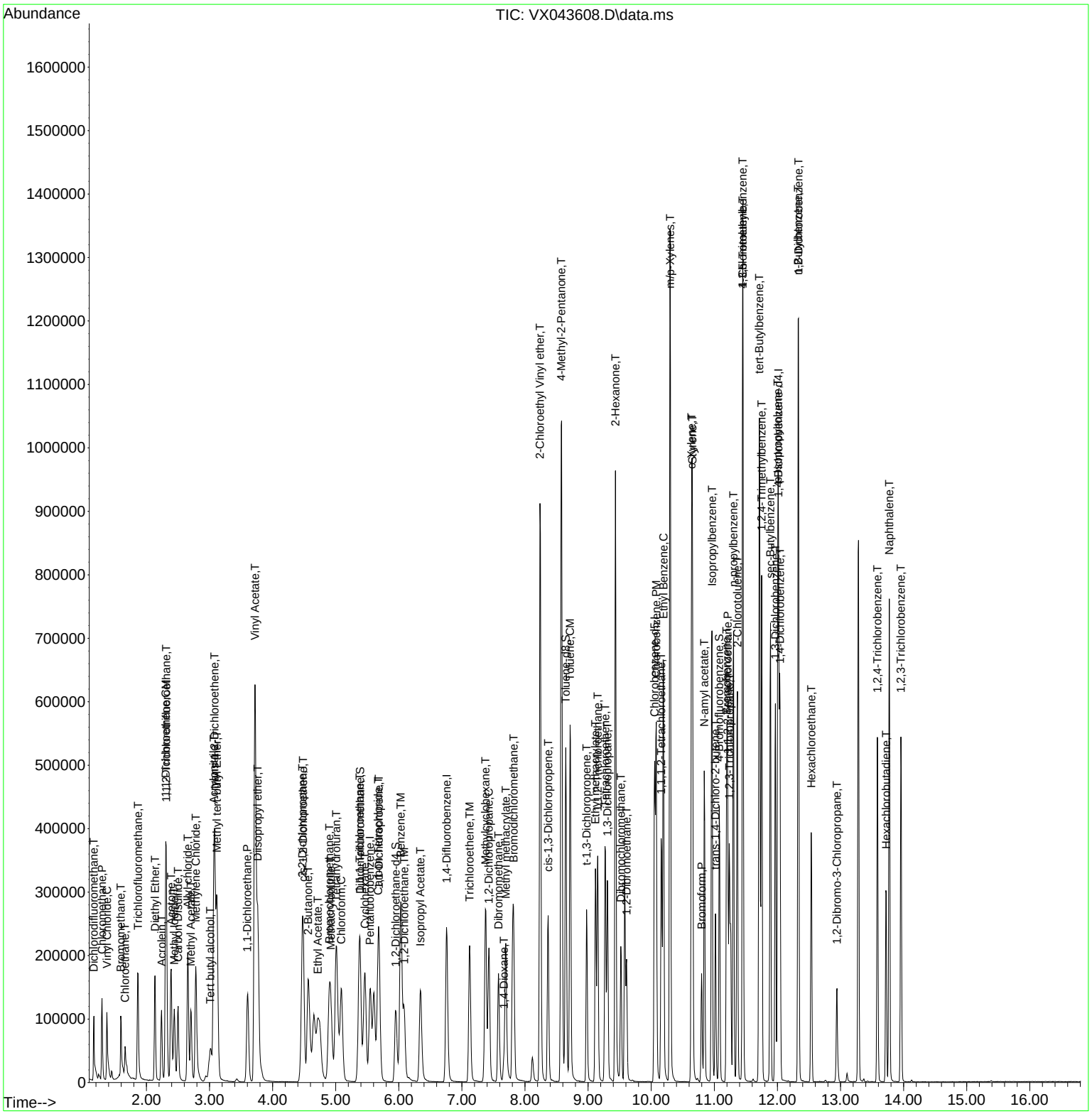
(#) = qualifier out of range (m) = manual integration (+) = signals summed

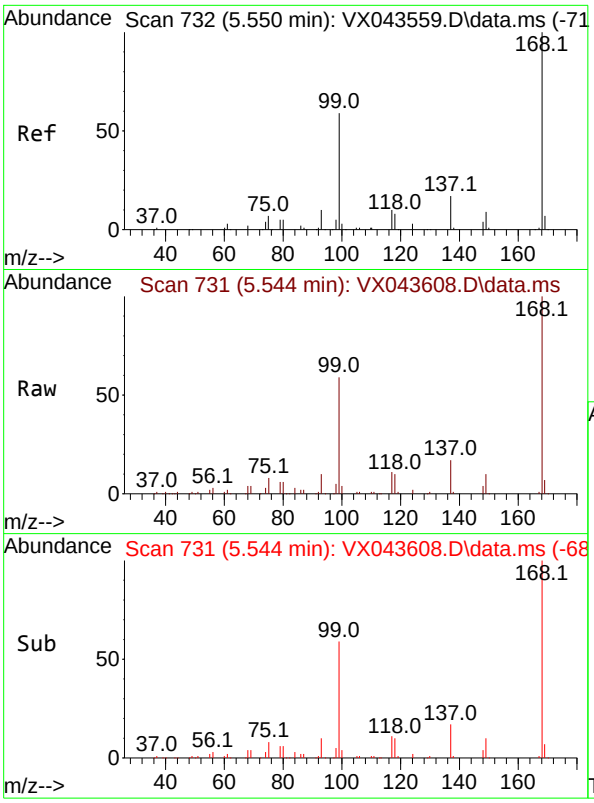
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043608.D
Acq On : 29 Oct 2024 19:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 30 01:38:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



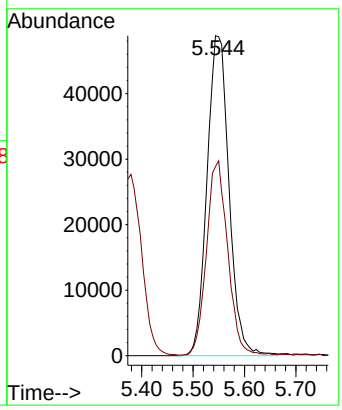


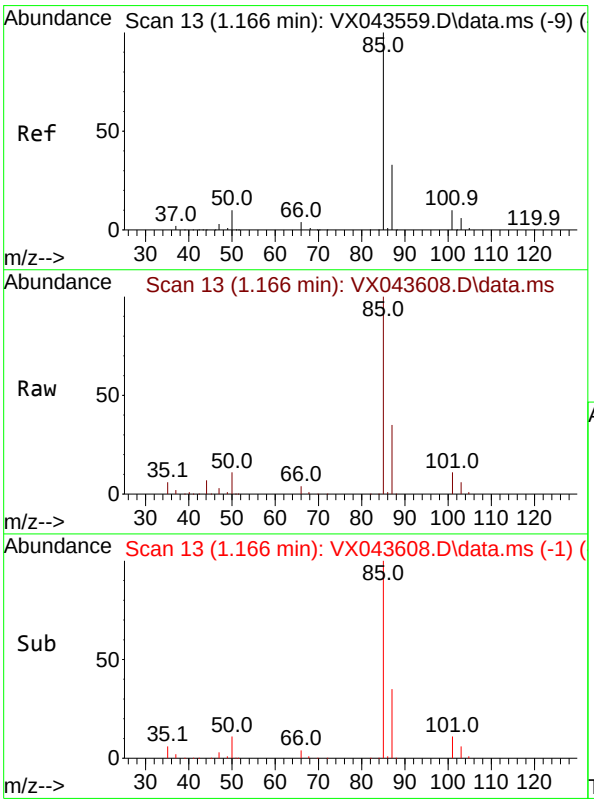
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 145188

Ion	Ratio	Lower	Upper
168	100		
99	58.9	52.6	78.8

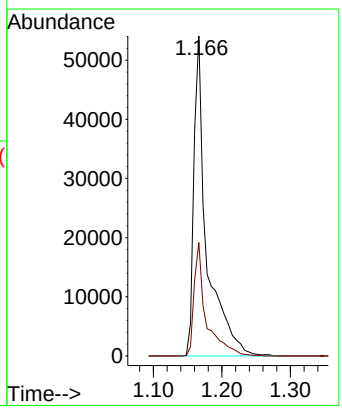


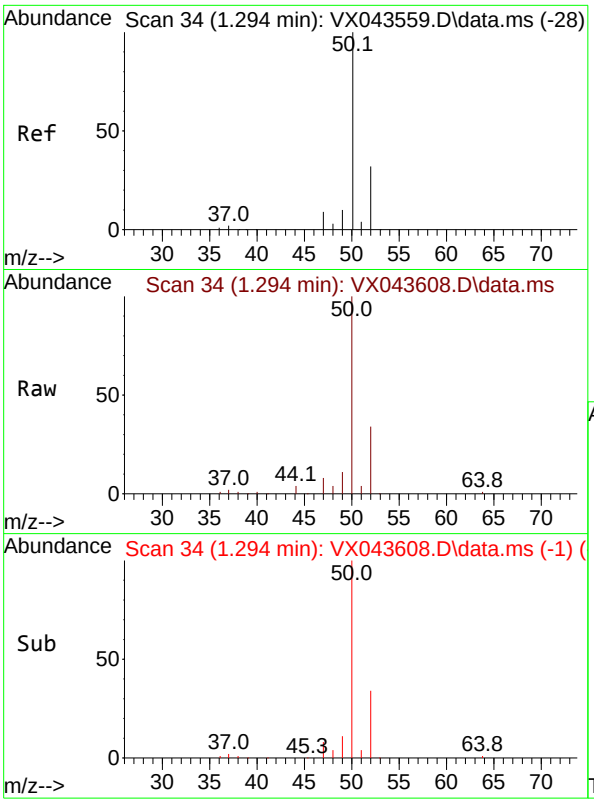


#2
Dichlorodifluoromethane
Concen: 45.527 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 85 Resp: 70689

Ion	Ratio	Lower	Upper
85	100		
87	35.4	15.7	47.0



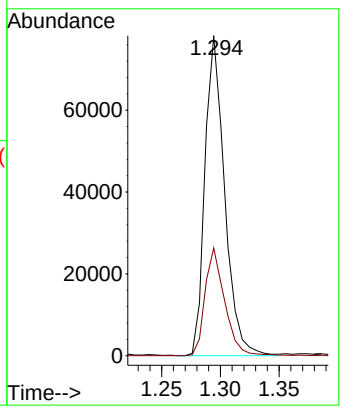


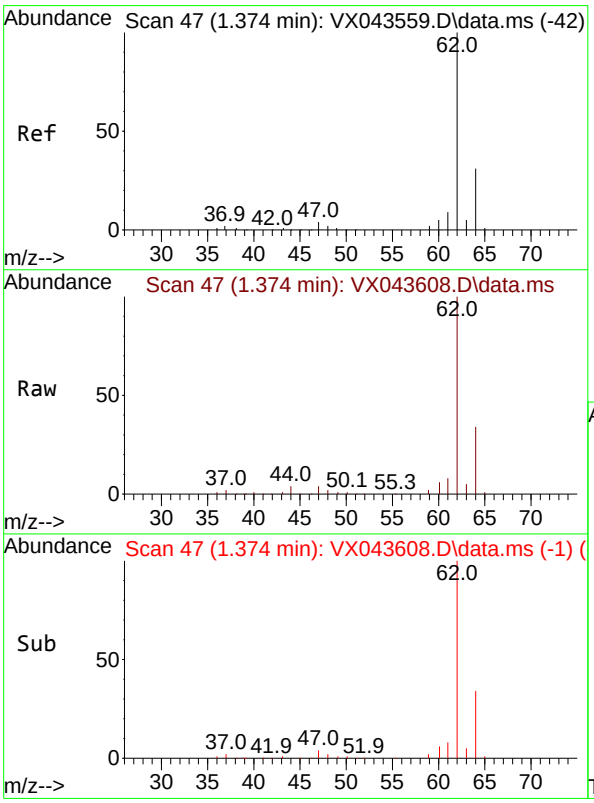
#3
Chloromethane
Concen: 46.060 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 91420

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5

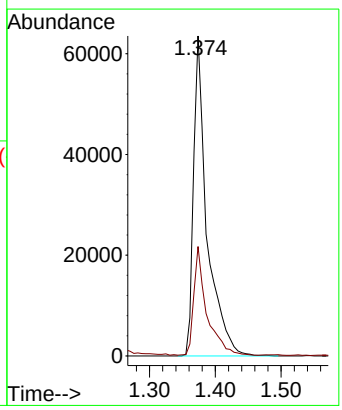


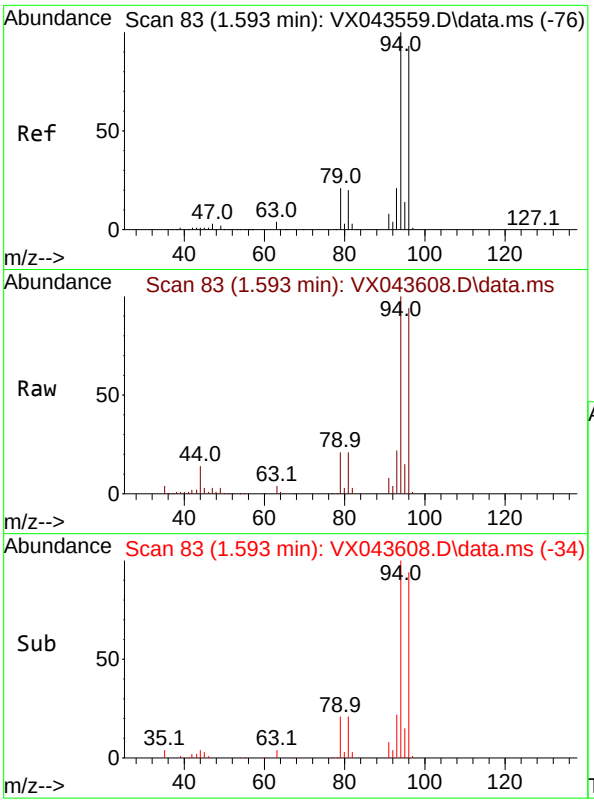


#4
Vinyl Chloride
Concen: 49.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 62 Resp: 90322

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.0	37.4



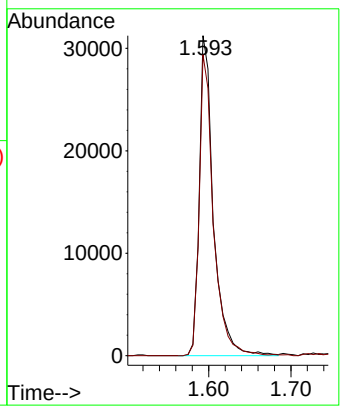


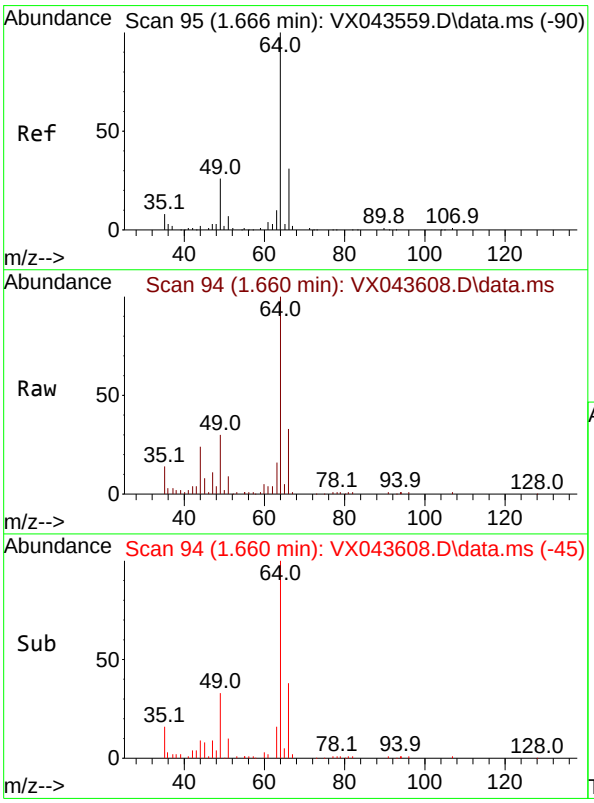
#5
Bromomethane
Concen: 49.698 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 37321

Ion	Ratio	Lower	Upper
94	100		
96	94.1	75.9	113.9

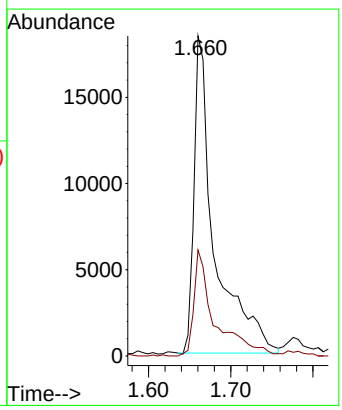


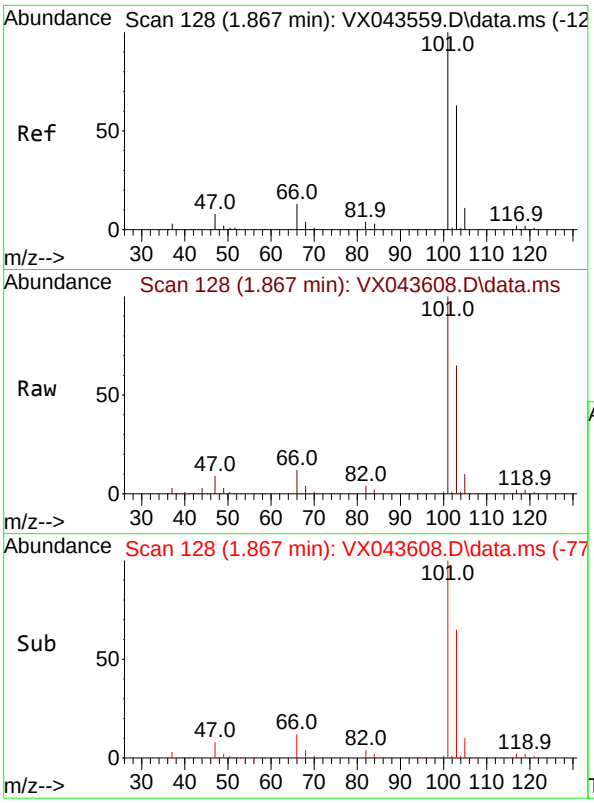


#6
Chloroethane
Concen: 49.288 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 64 Resp: 31987

Ion	Ratio	Lower	Upper
64	100		
66	33.4	25.1	37.7



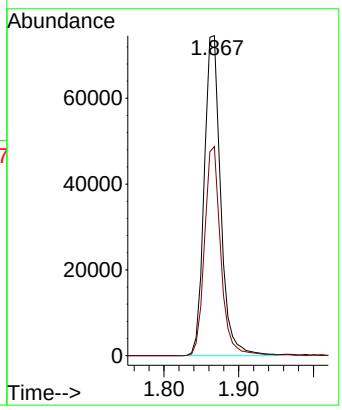


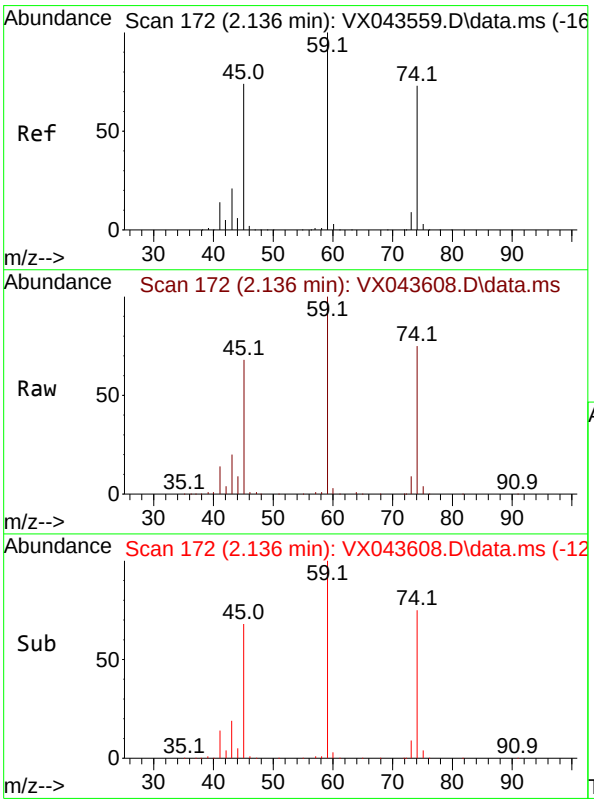
#7
Trichlorofluoromethane
Concen: 50.793 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 114302

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9

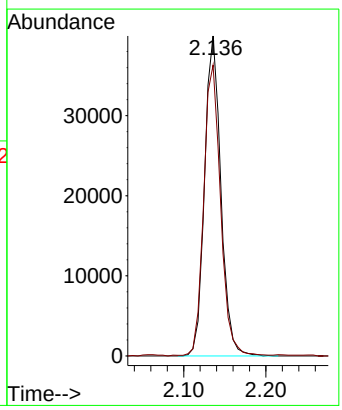


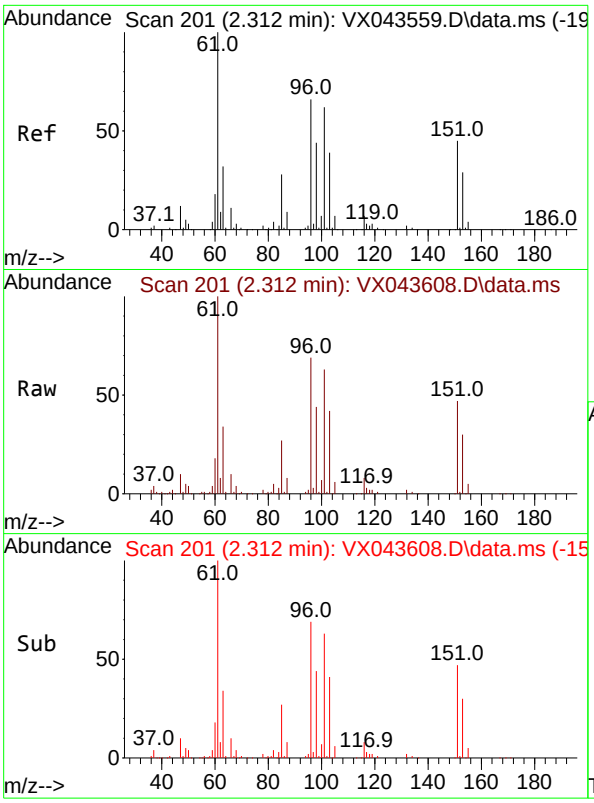


#8
Diethyl Ether
Concen: 52.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 74 Resp: 54976

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.5	142.5



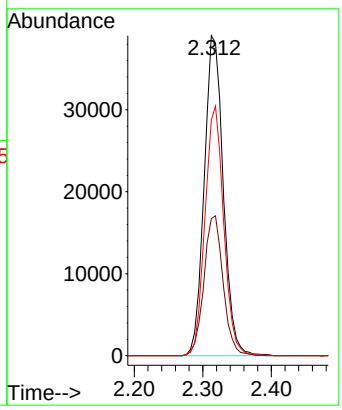


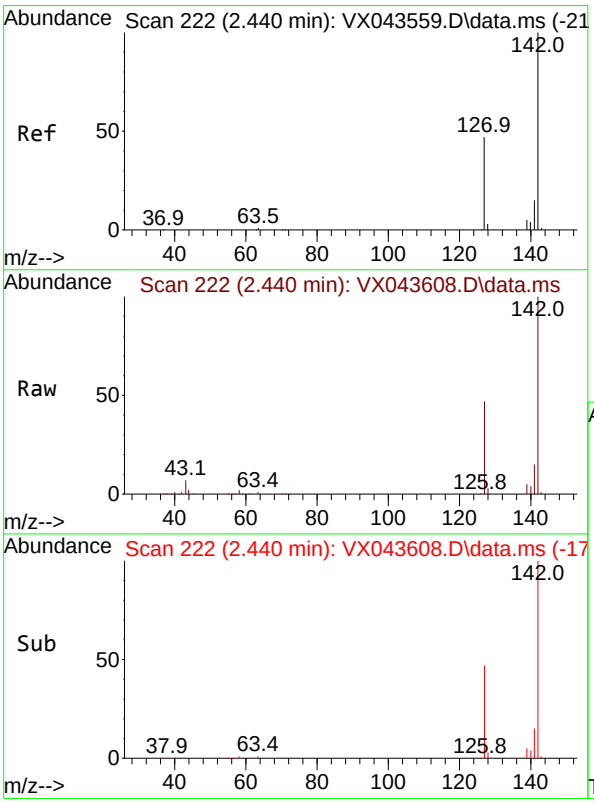
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.715 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 75661

Ion	Ratio	Lower	Upper
101	100		
85	43.9	34.5	51.7
151	76.5	58.2	87.2

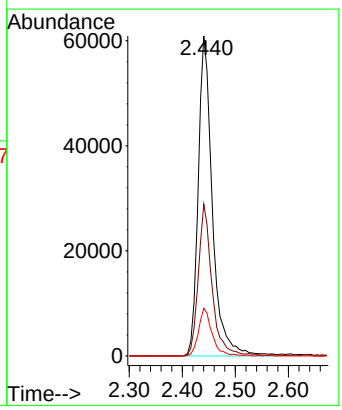


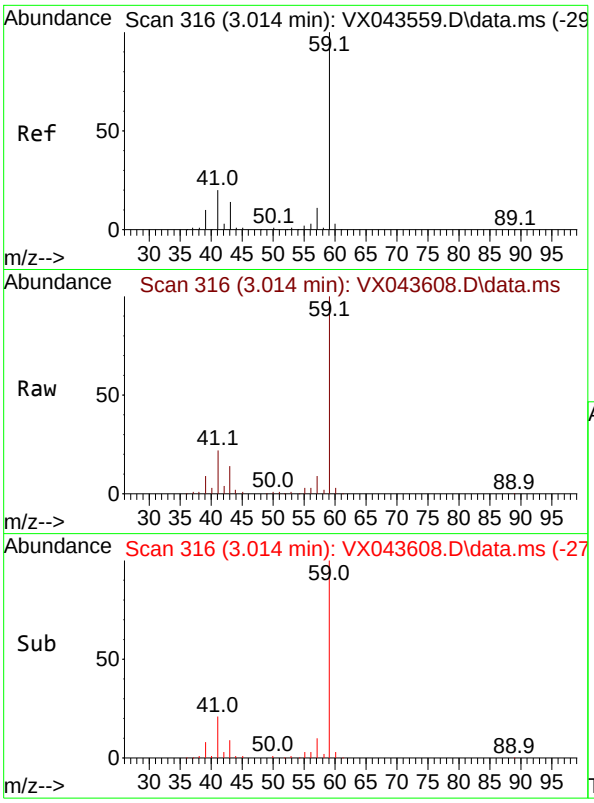


#10
Methyl Iodide
Concen: 51.575 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:142 Resp: 113402

Ion	Ratio	Lower	Upper
142	100		
127	45.9	38.2	57.4
141	14.3	11.5	17.3



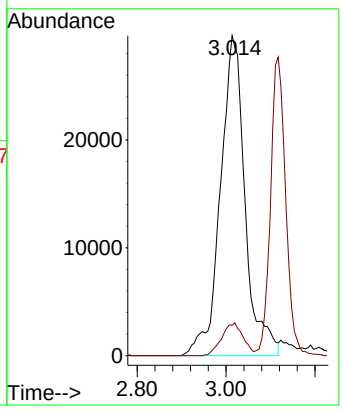


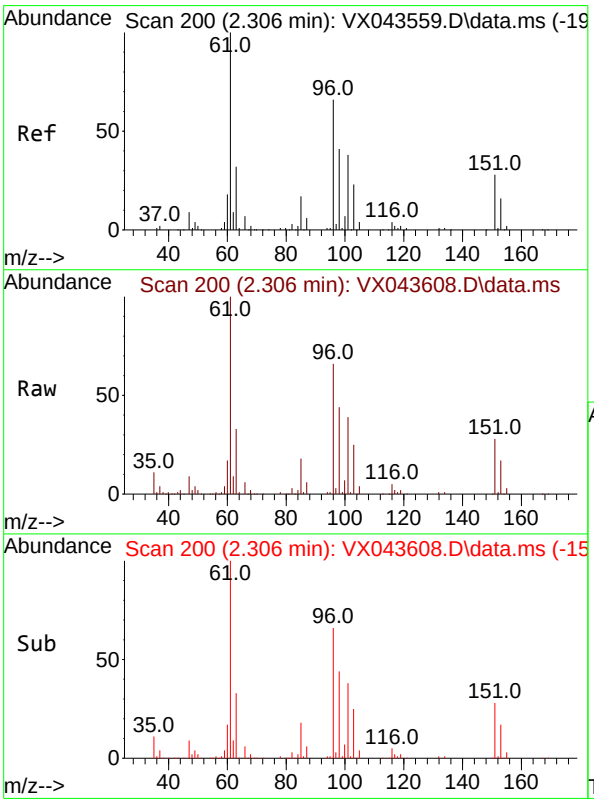
#11
Tert butyl alcohol
Concen: 263.841 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.036 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 114007

Ion	Ratio	Lower	Upper
59	100		
57	8.9	0.0	0.0#

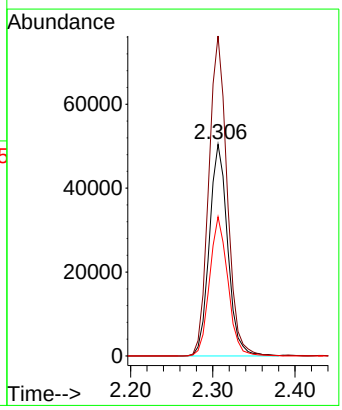


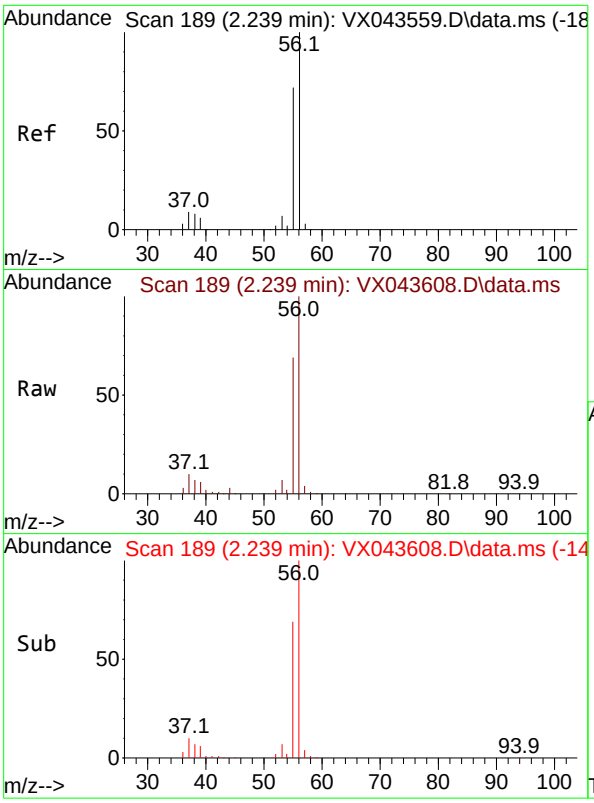


#12
1,1-Dichloroethene
Concen: 50.316 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 96 Resp: 78253

Ion	Ratio	Lower	Upper
96	100		
61	151.1	130.2	195.4
98	65.8	51.0	76.6



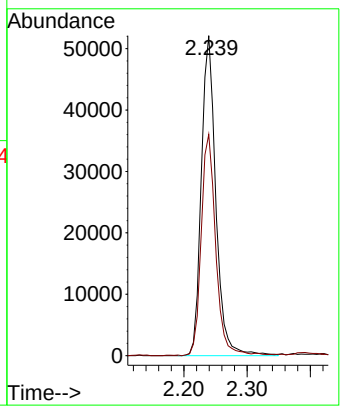


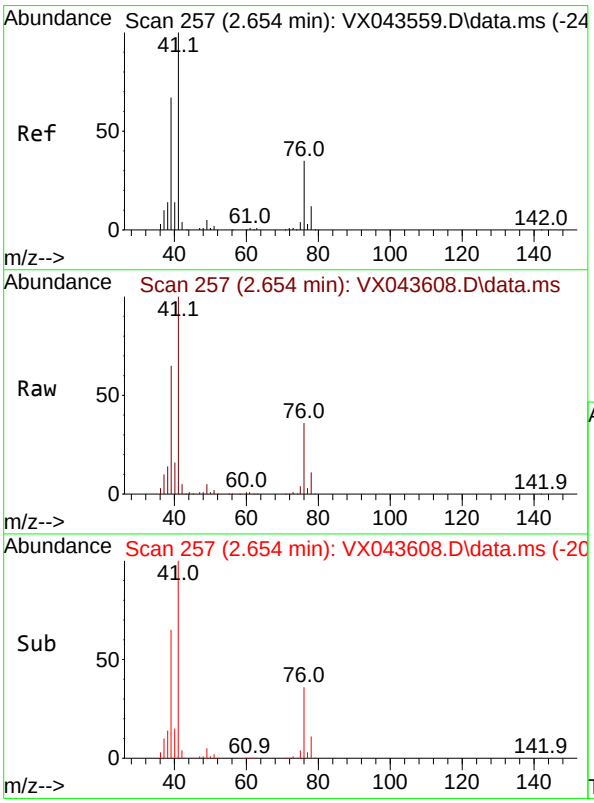
#13
Acrolein
Concen: 247.404 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 83603

Ion	Ratio	Lower	Upper
56	100		
55	68.5	55.3	82.9

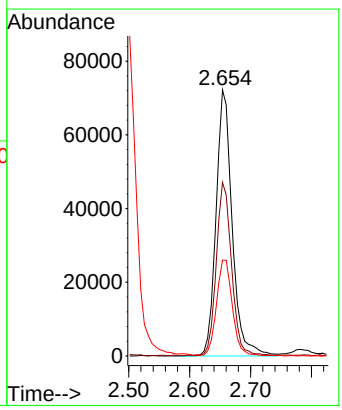


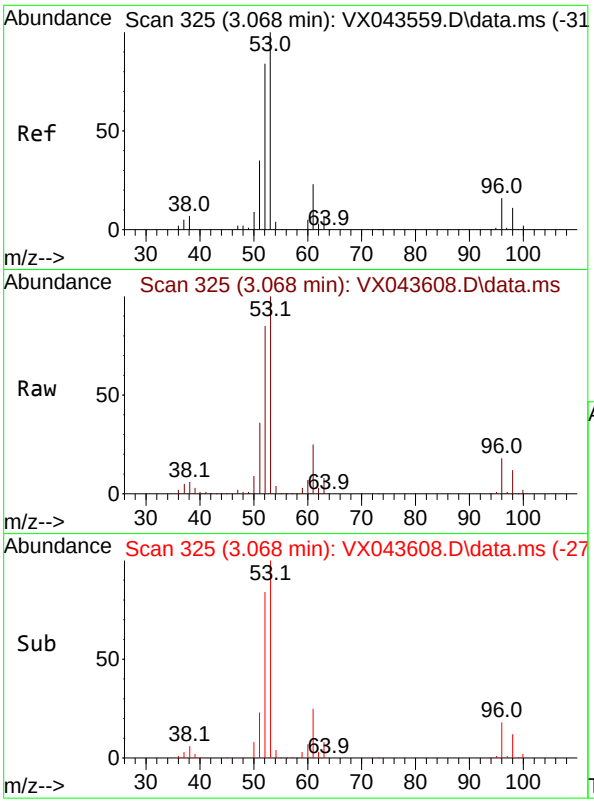


#14
Allyl chloride
Concen: 49.498 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 41 Resp: 133149

Ion	Ratio	Lower	Upper
41	100		
39	61.5	53.2	79.8
76	35.5	27.0	40.6



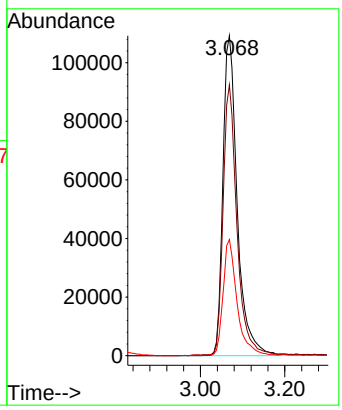


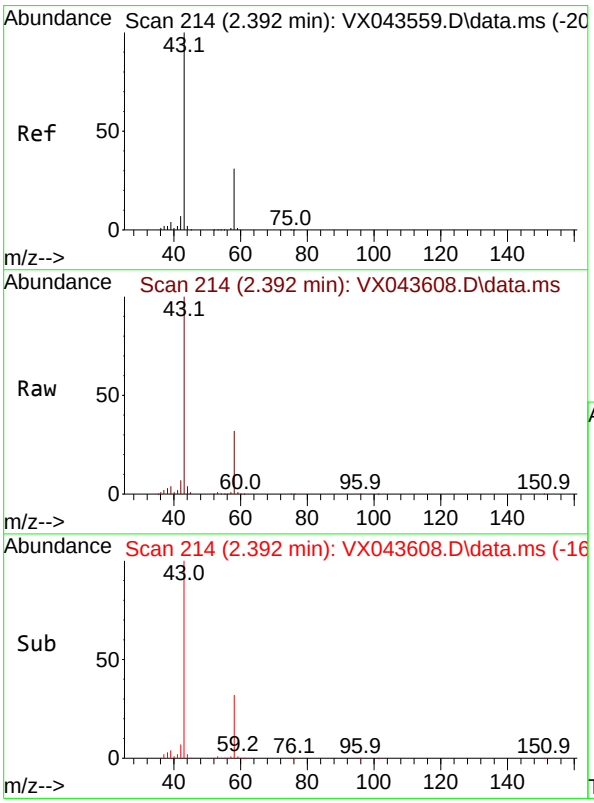
#15
Acrylonitrile
Concen: 262.562 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 256153

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.6
51	35.0	28.5	42.7

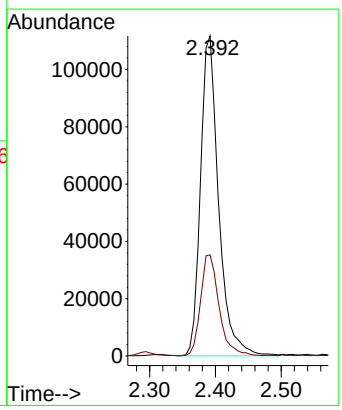


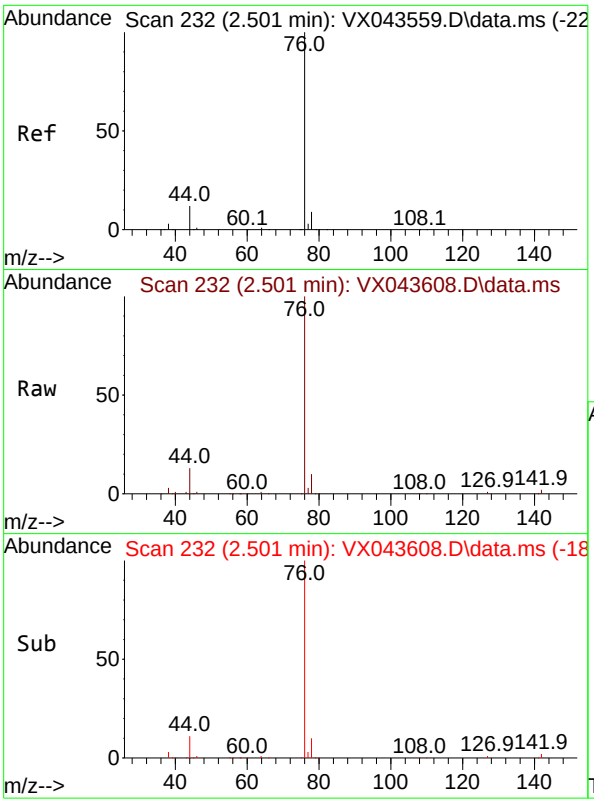


#16
Acetone
Concen: 231.934 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 213222

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.1	37.7



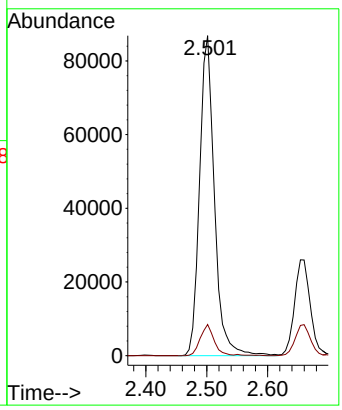


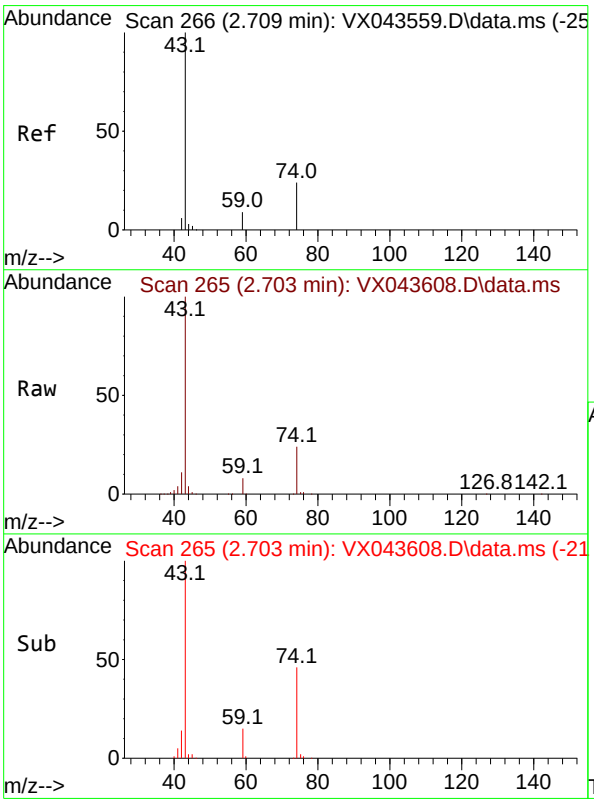
#17
Carbon Disulfide
Concen: 45.217 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 147050

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7

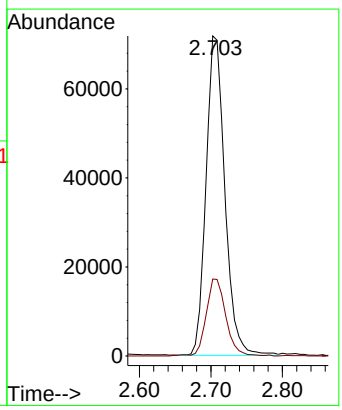


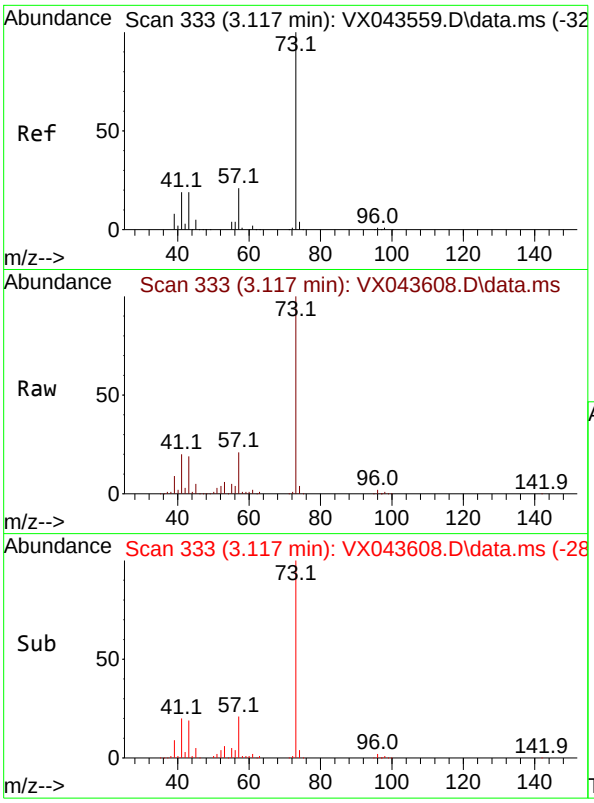


#18
Methyl Acetate
Concen: 48.896 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 131374

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.1	28.7



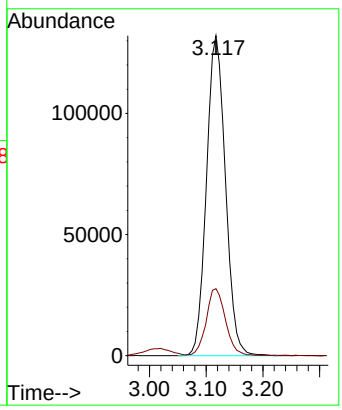


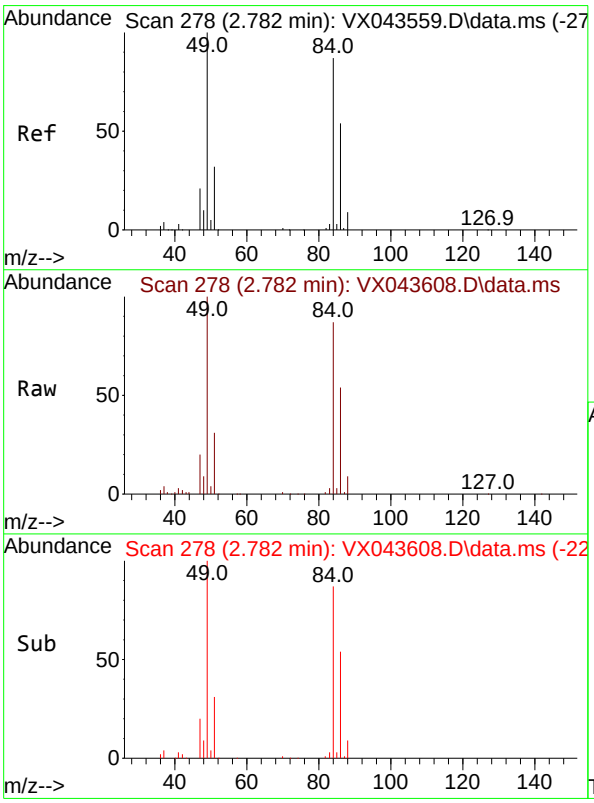
#19
Methyl tert-butyl Ether
Concen: 51.858 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 306719

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

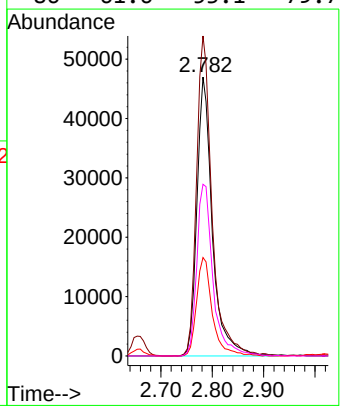


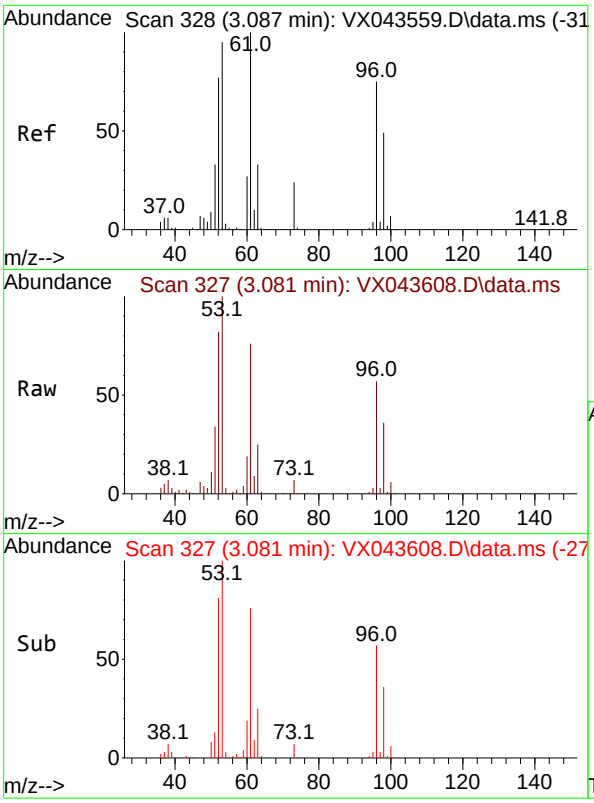


#20
Methylene Chloride
Concen: 49.441 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 84 Resp: 97958

Ion	Ratio	Lower	Upper
84	100		
49	114.8	97.0	145.6
51	35.3	29.8	44.8
86	61.6	53.1	79.7



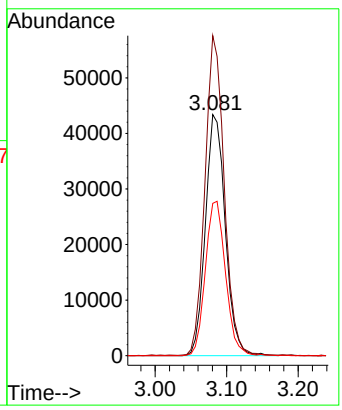


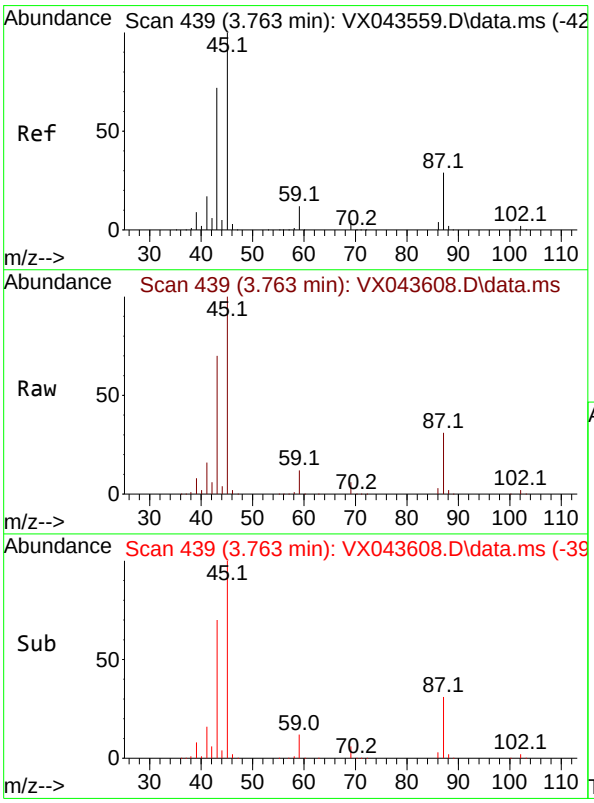
#21
trans-1,2-Dichloroethene
Concen: 51.050 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 83879

Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.1	160.7
98	63.2	47.7	71.5

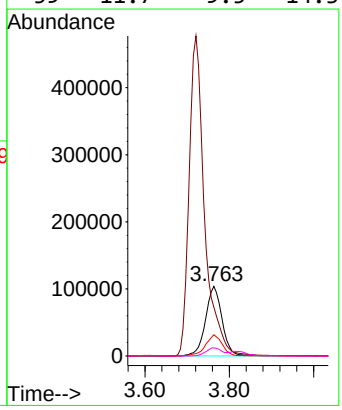


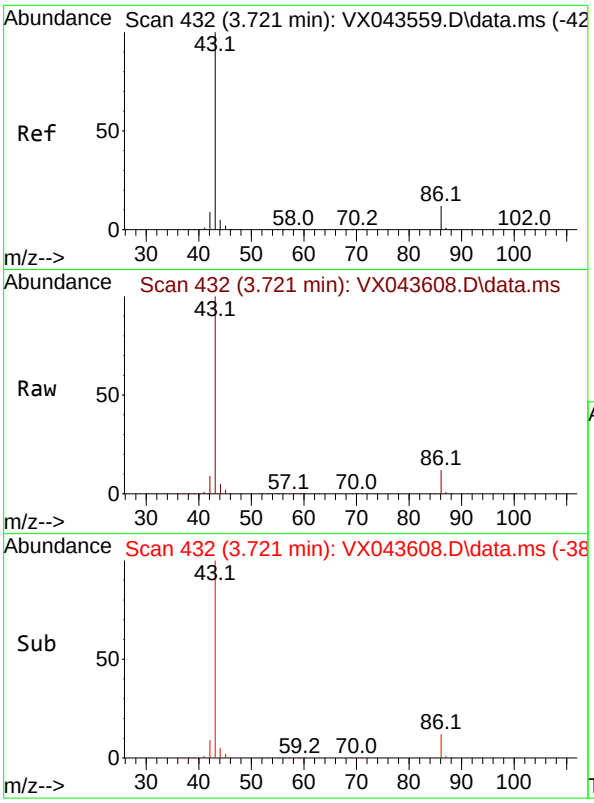


#22
Diisopropyl ether
Concen: 50.951 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 45 Resp: 283296

Ion	Ratio	Lower	Upper
45	100		
43	69.3	60.6	90.8
87	30.7	22.0	33.0
59	11.7	9.5	14.3



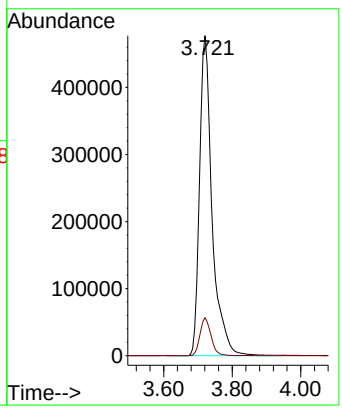


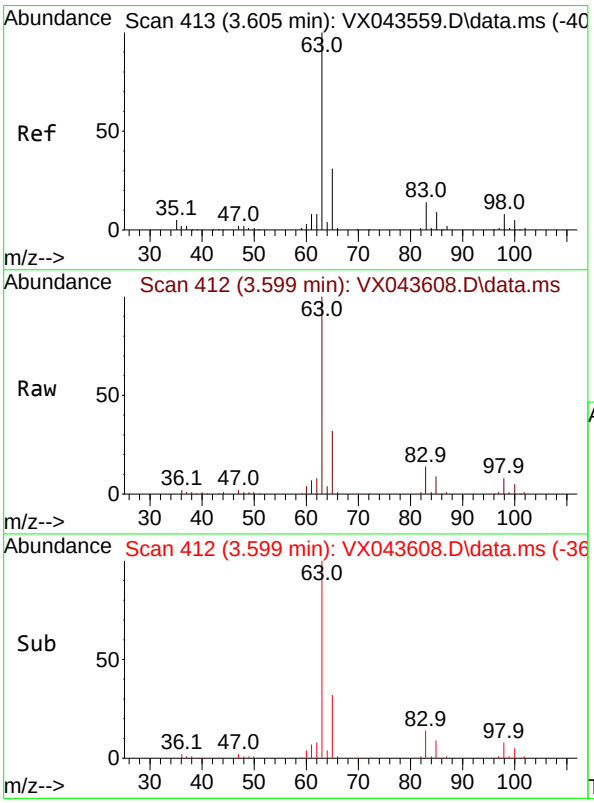
#23
Vinyl Acetate
Concen: 265.039 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1217460

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

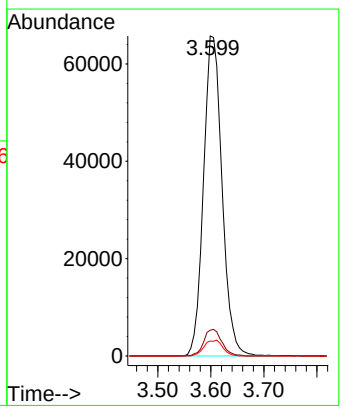


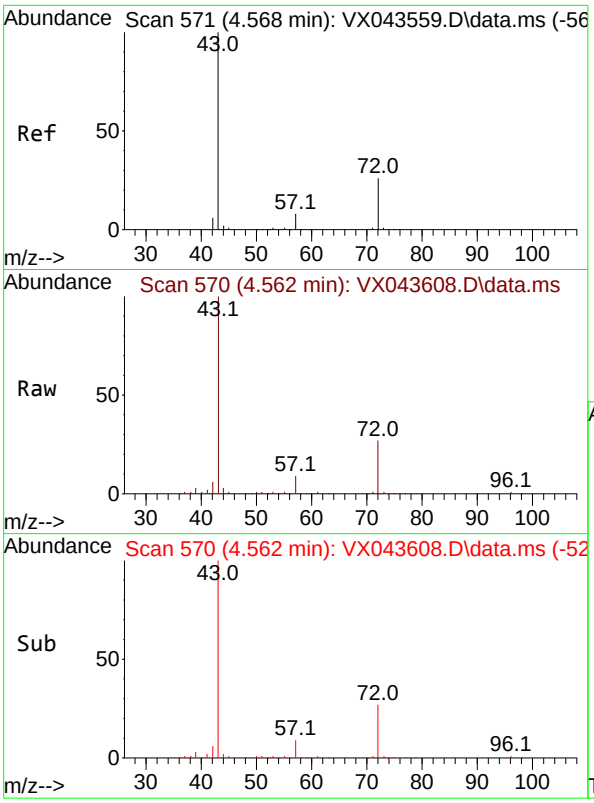


#24
1,1-Dichloroethane
Concen: 49.980 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 63 Resp: 159722

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.5	10.4
100	4.6	2.4	7.2



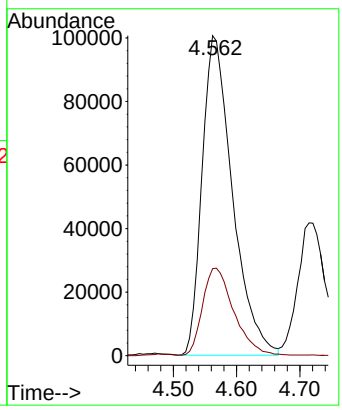


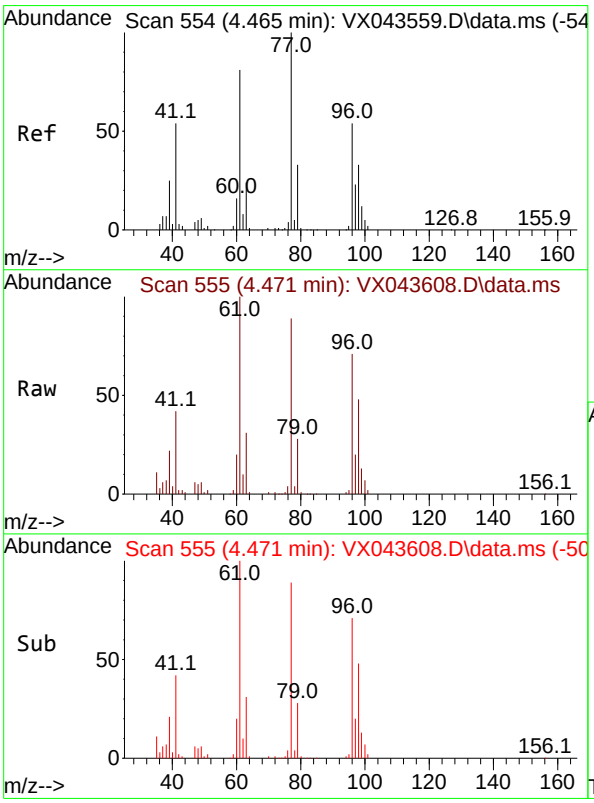
#25
2-Butanone
Concen: 250.264 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 335610

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.1	31.7

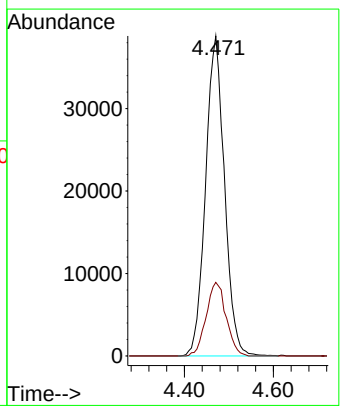


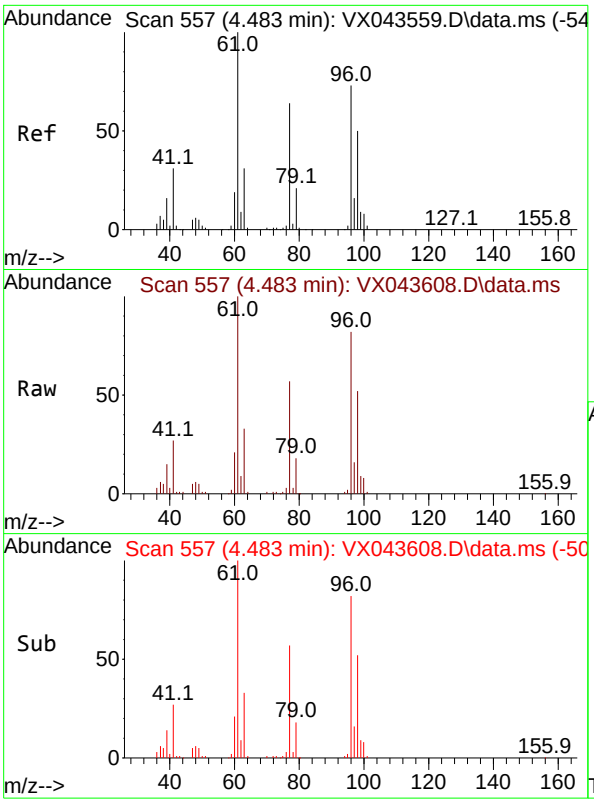


#26
2,2-Dichloropropane
Concen: 43.890 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 77 Resp: 114810

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.6	34.8



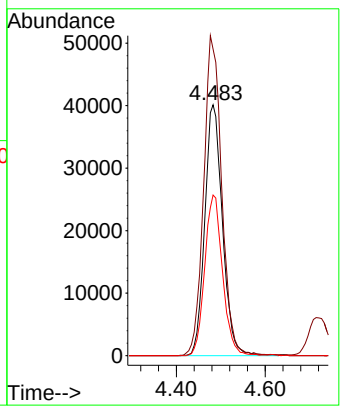


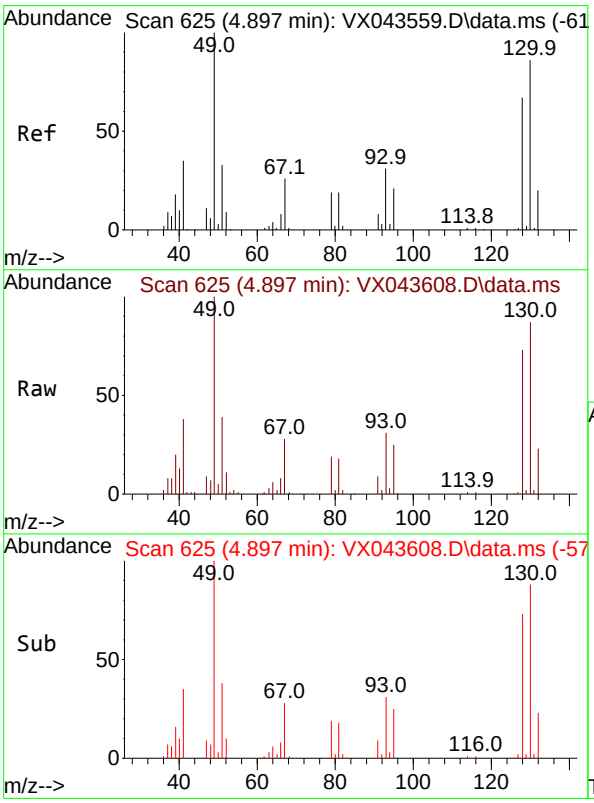
#27
cis-1,2-Dichloroethene
Concen: 52.971 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 111180

Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	277.2
98	64.5	0.0	131.6

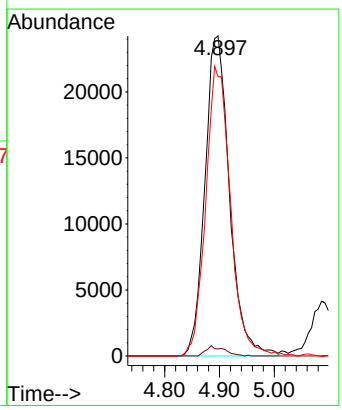


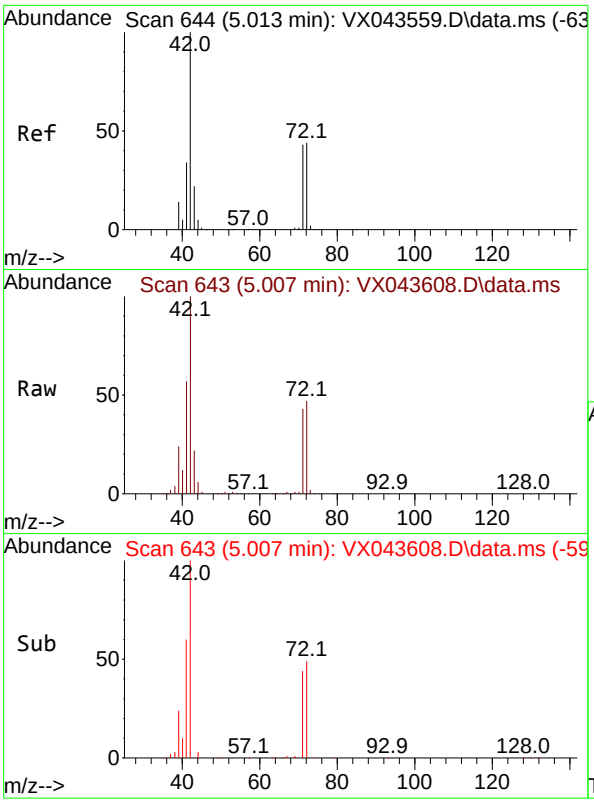


#28
Bromochloromethane
Concen: 49.662 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 49 Resp: 75498

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	90.9	67.8	101.8



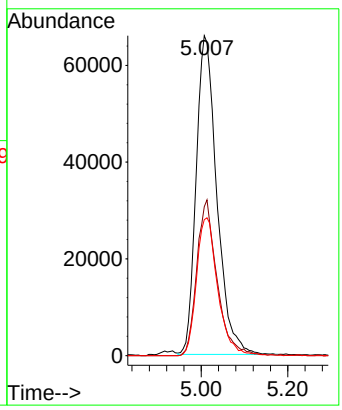


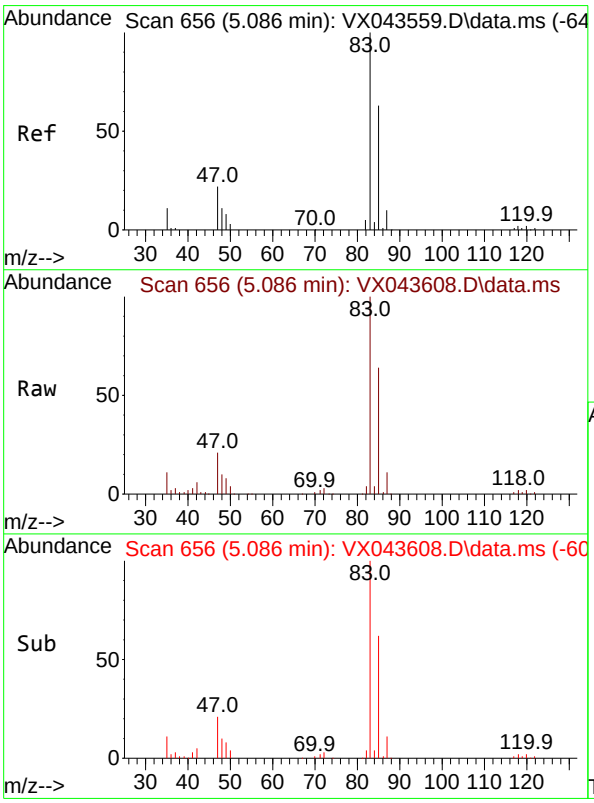
#29
Tetrahydrofuran
Concen: 250.734 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 218511

Ion	Ratio	Lower	Upper
42	100		
72	48.1	36.6	55.0
71	44.4	34.2	51.4

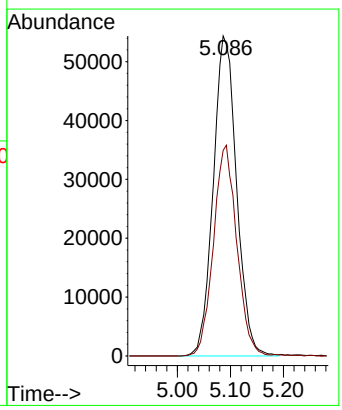


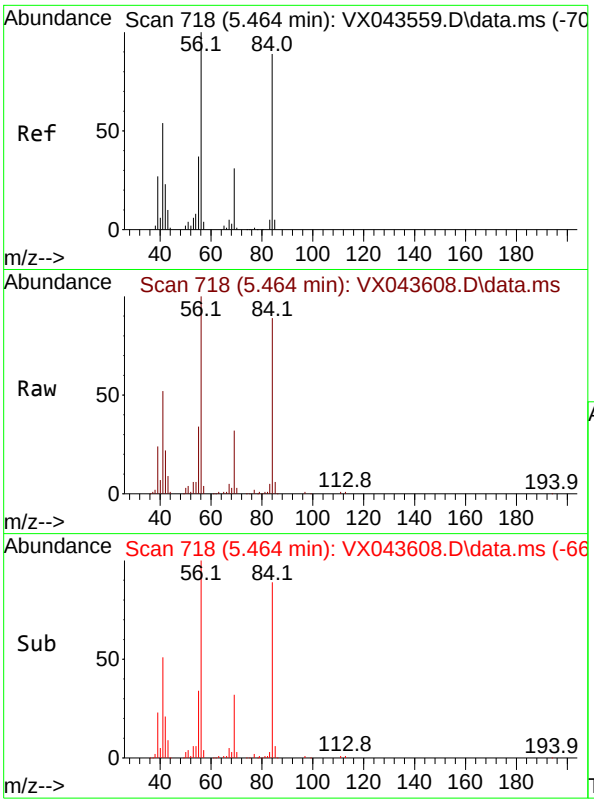


#30
Chloroform
Concen: 49.656 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 83 Resp: 166347

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4



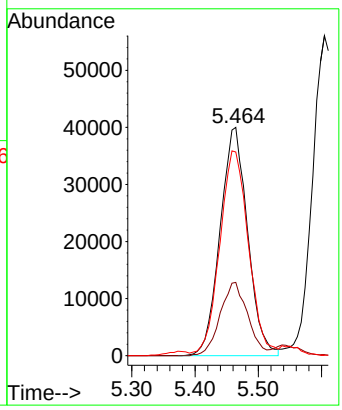


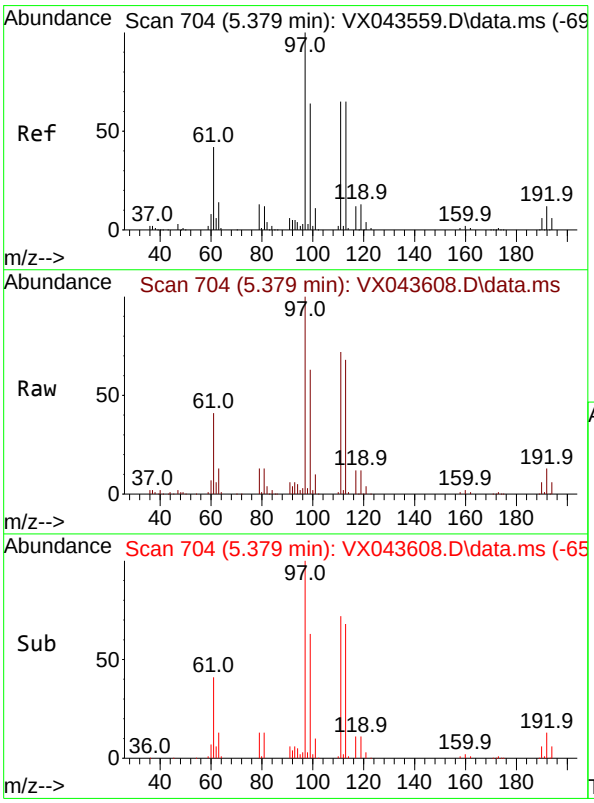
#31
Cyclohexane
Concen: 49.541 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 121093

Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.9	37.3
84	87.2	73.3	109.9

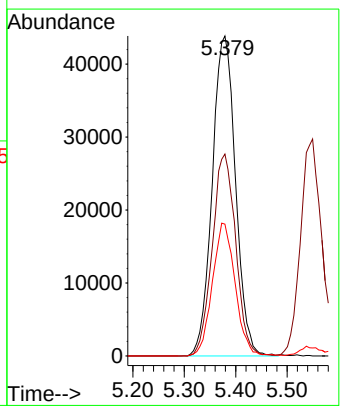


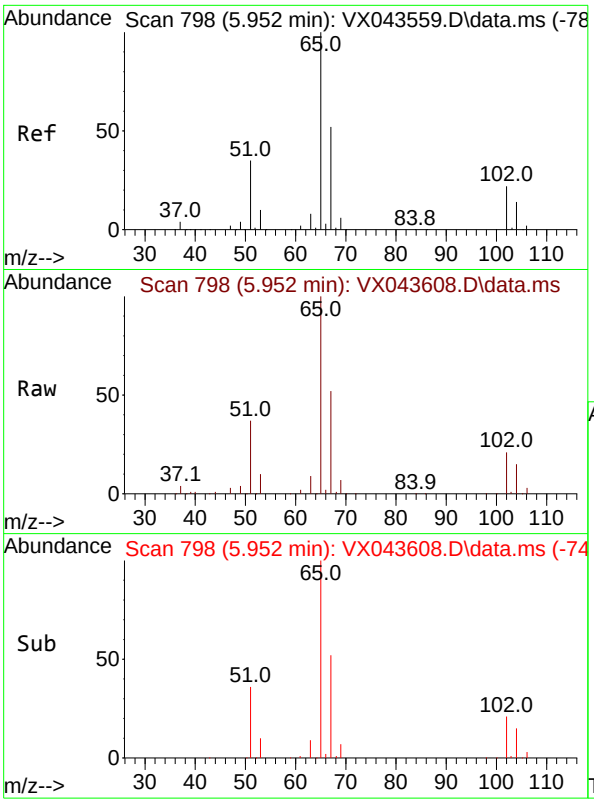


#32
1,1,1-Trichloroethane
Concen: 49.171 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 97 Resp: 138292

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.0
61	40.7	34.0	51.0



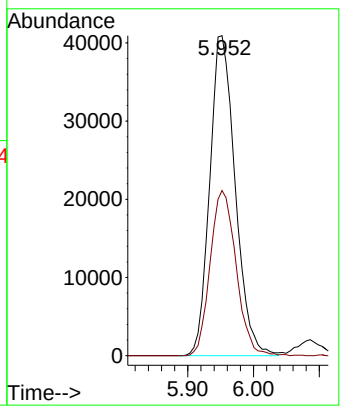


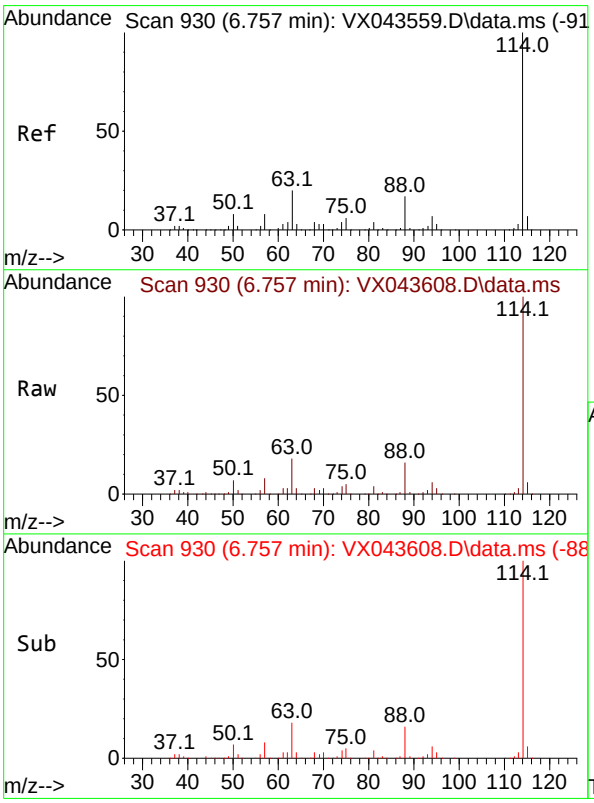
#33
1,2-Dichloroethane-d4
Concen: 47.685 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 110394

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4

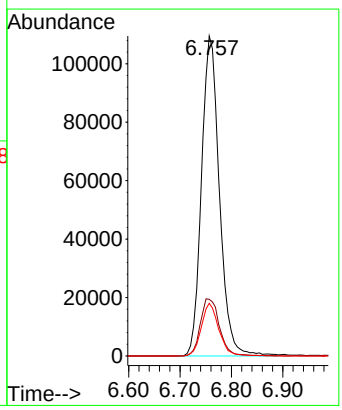


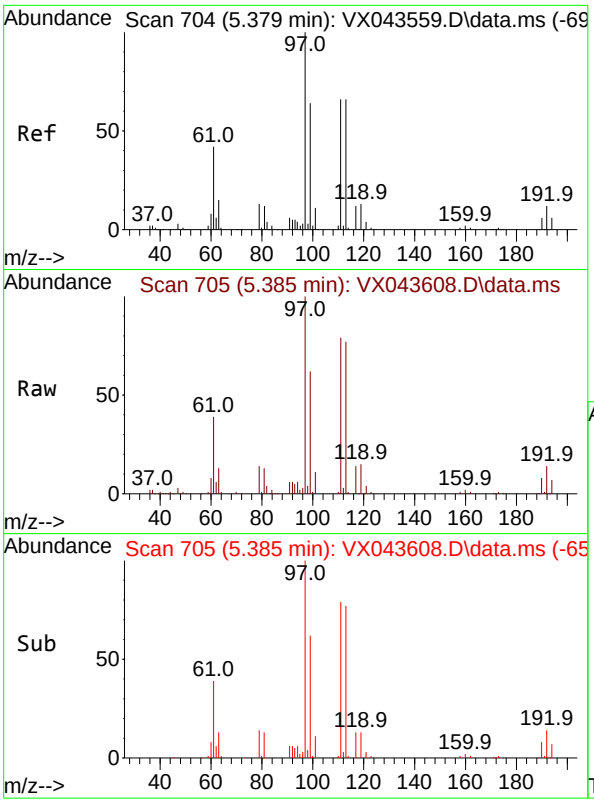


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:114 Resp: 265353

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	41.2
88	16.4	0.0	34.0



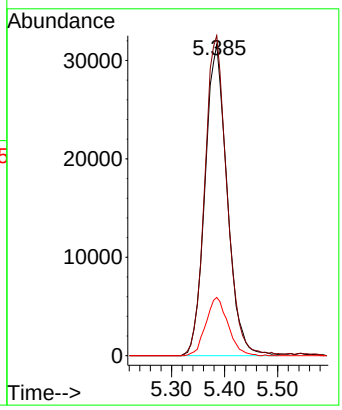


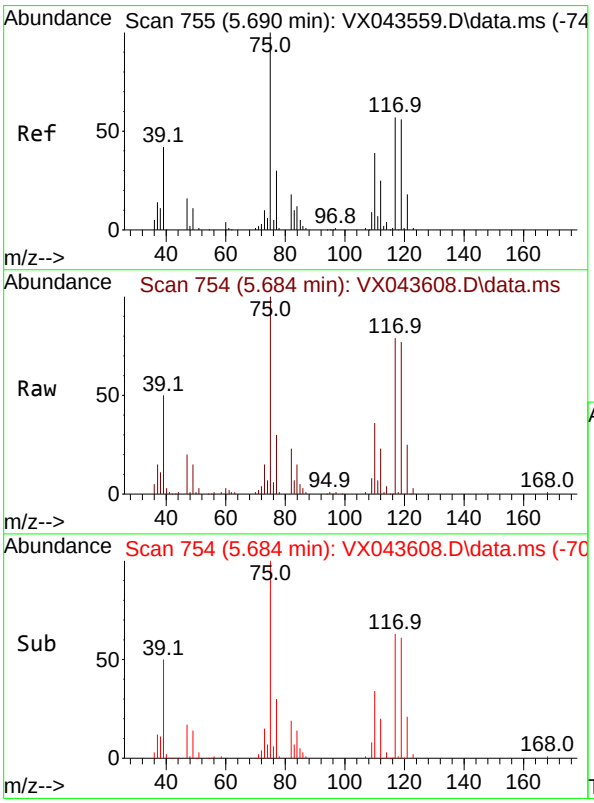
#35
Dibromofluoromethane
Concen: 50.941 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 91660

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	18.7	14.1	21.1

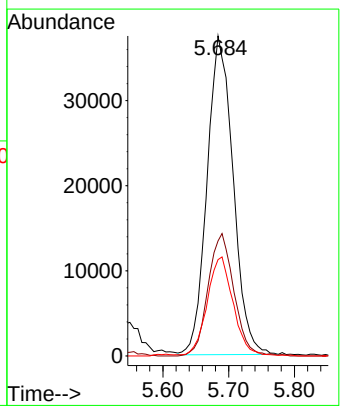


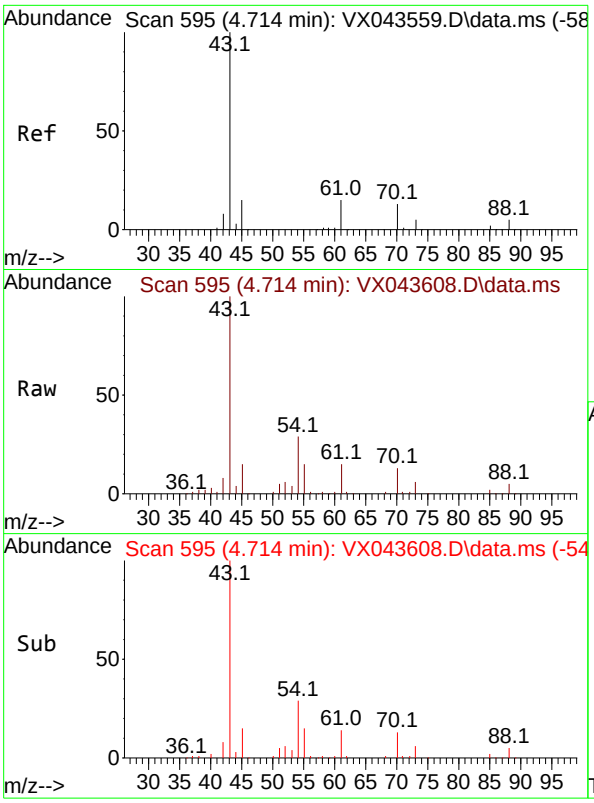


#36
1,1-Dichloropropene
Concen: 48.407 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 103282

Ion	Ratio	Lower	Upper
75	100		
110	38.1	17.9	53.7
77	30.6	25.0	37.4



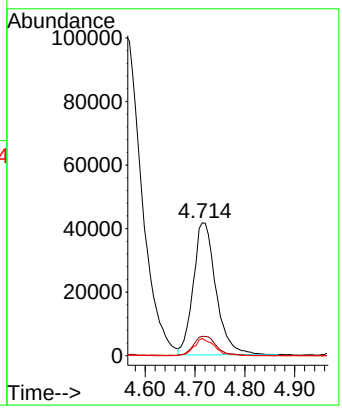


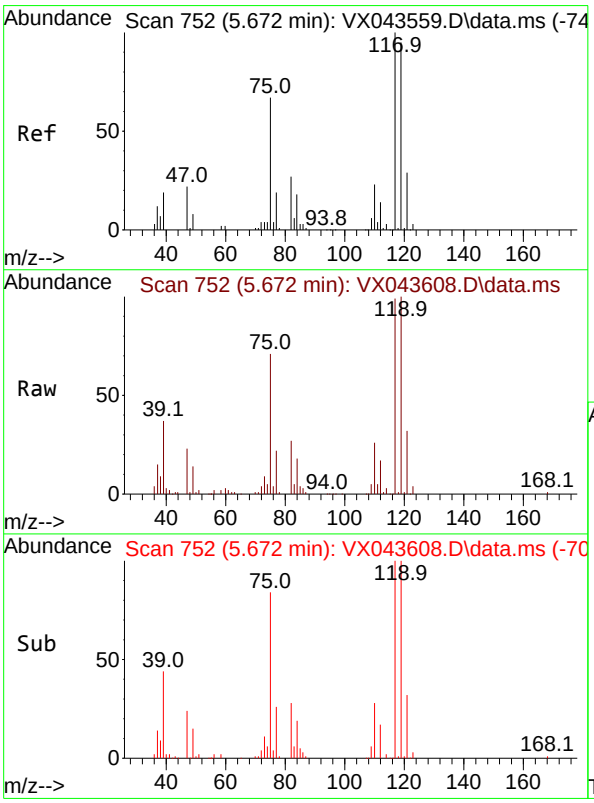
#37
Ethyl Acetate
Concen: 50.801 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 131589

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.8	8.9	13.3

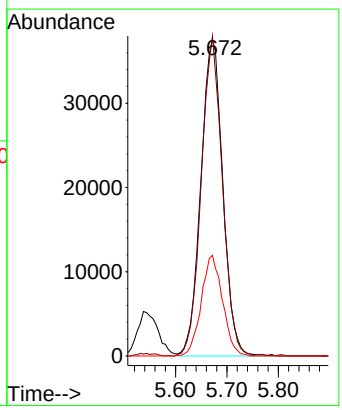


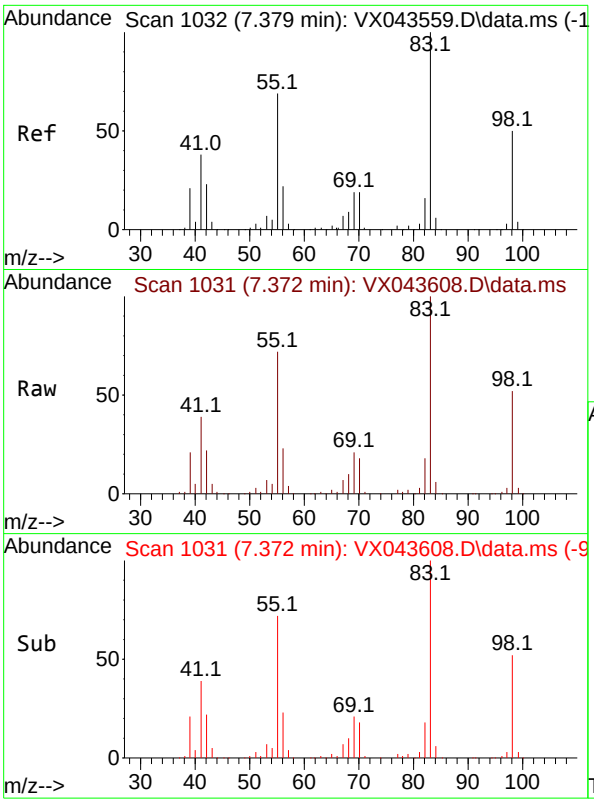


#38
Carbon Tetrachloride
Concen: 47.400 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:117 Resp: 111743

Ion	Ratio	Lower	Upper
117	100		
119	100.9	77.0	115.6
121	31.9	24.7	37.1



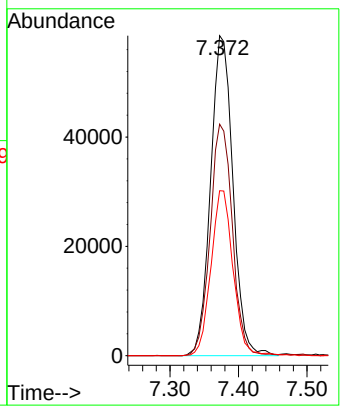


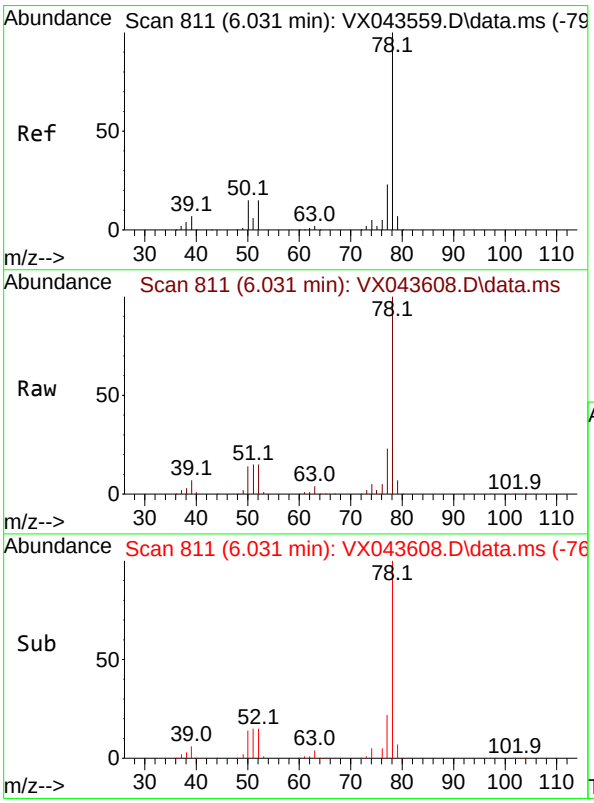
#39
Methylcyclohexane
Concen: 49.896 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 132174

Ion	Ratio	Lower	Upper
83	100		
55	72.4	59.9	89.9
98	51.5	41.3	61.9

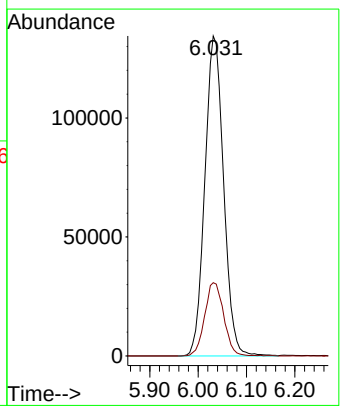


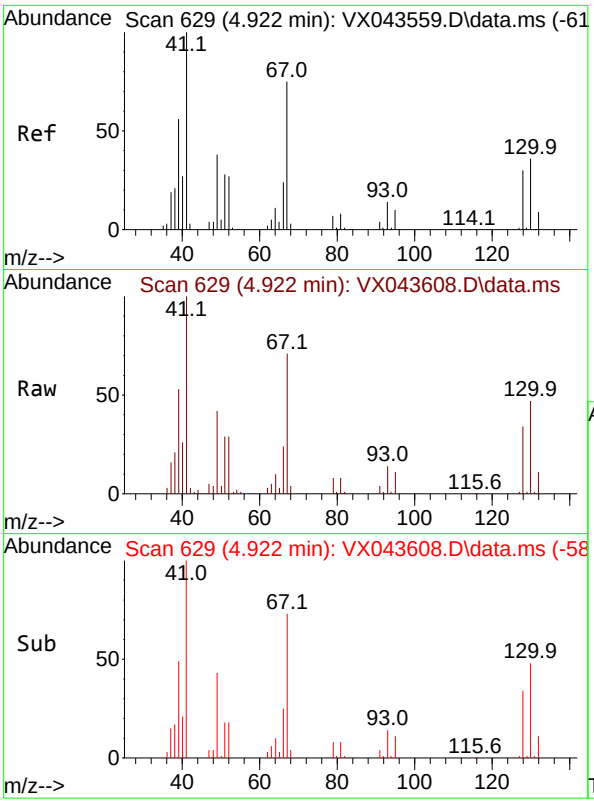


#40
Benzene
Concen: 50.901 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 78 Resp: 362305

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6



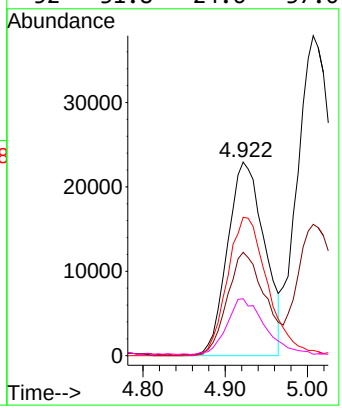


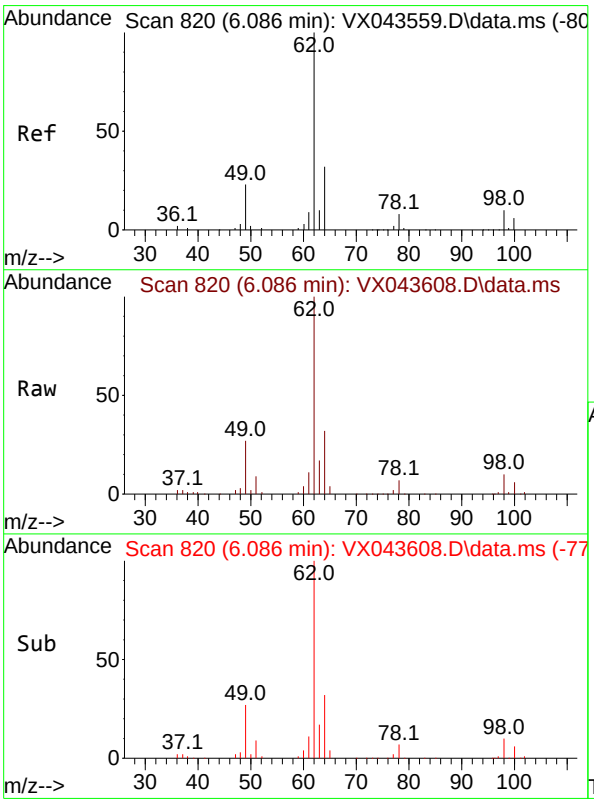
#41
Methacrylonitrile
Concen: 52.879 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 71898

Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.5	65.3
67	78.4	58.3	87.5
52	31.8	24.6	37.0

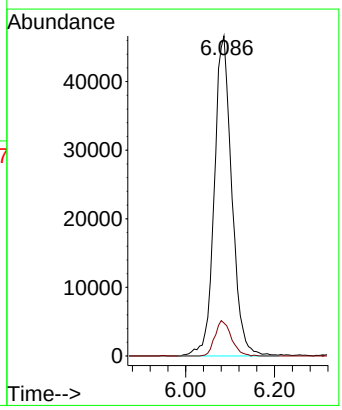


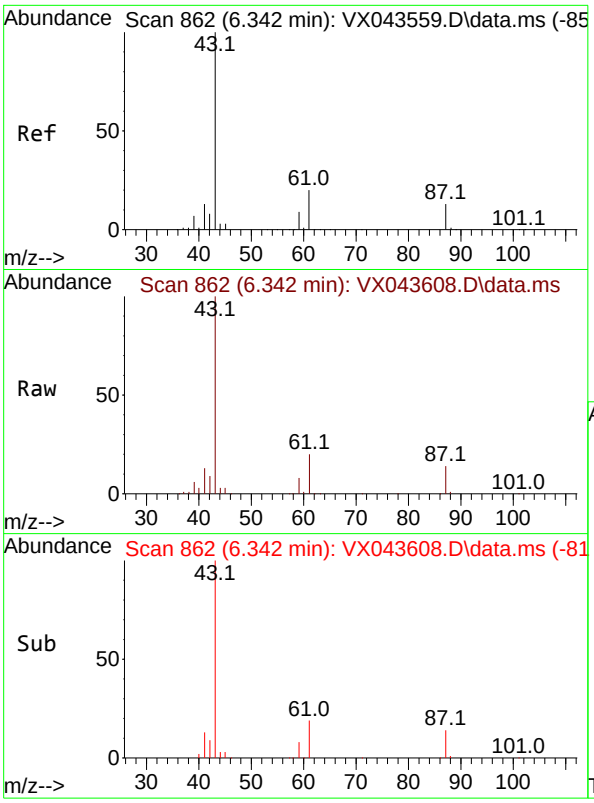


#42
1,2-Dichloroethane
Concen: 49.839 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 62 Resp: 127532

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8



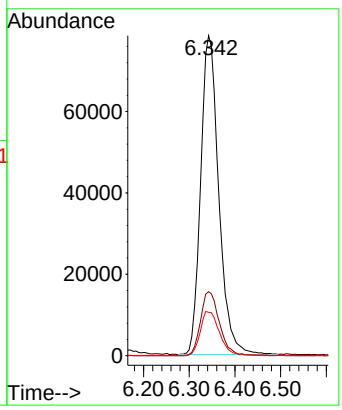


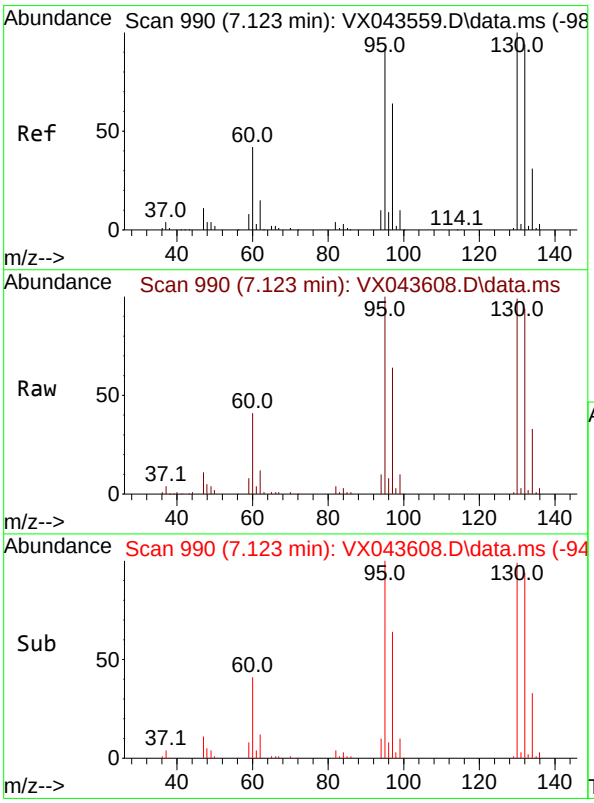
#43
Isopropyl Acetate
Concen: 50.370 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 215773

Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.2	24.4
87	14.7	11.0	16.6

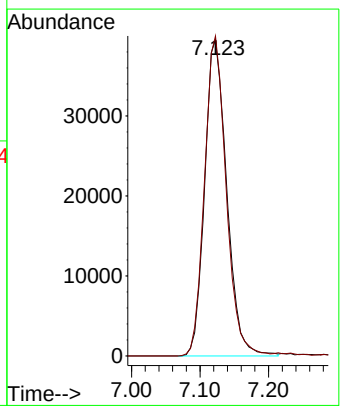


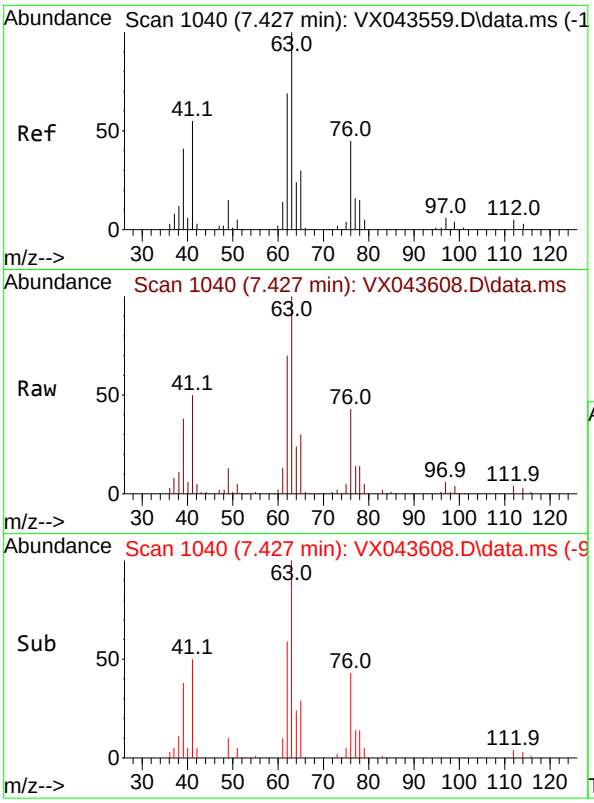


#44
Trichloroethene
Concen: 50.041 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:130 Resp: 88486

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.6



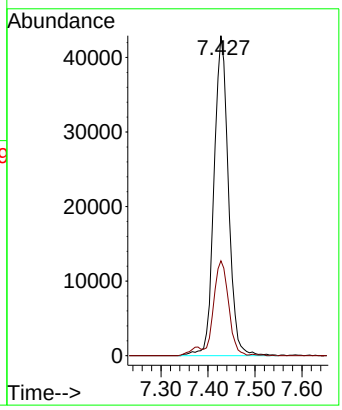


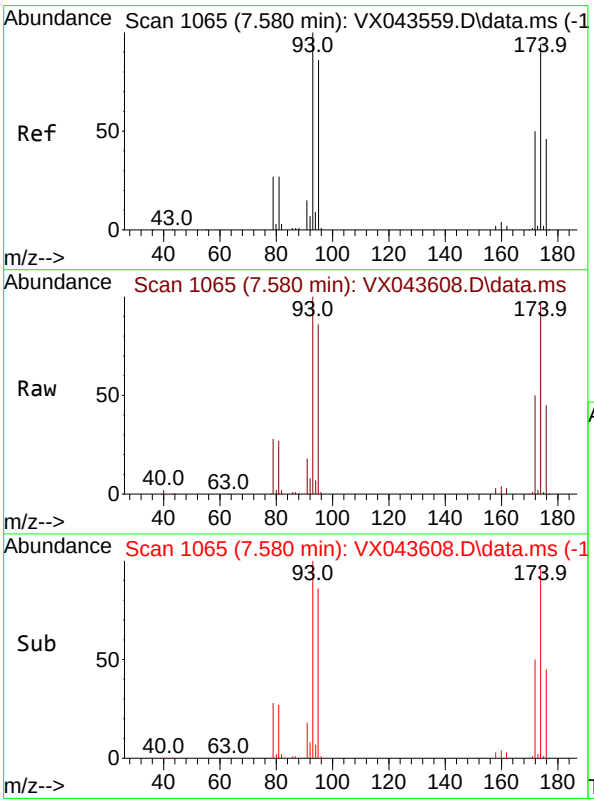
#45
1,2-Dichloropropane
Concen: 52.297 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 91657

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.5	36.7

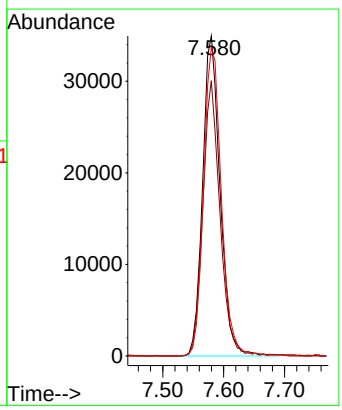


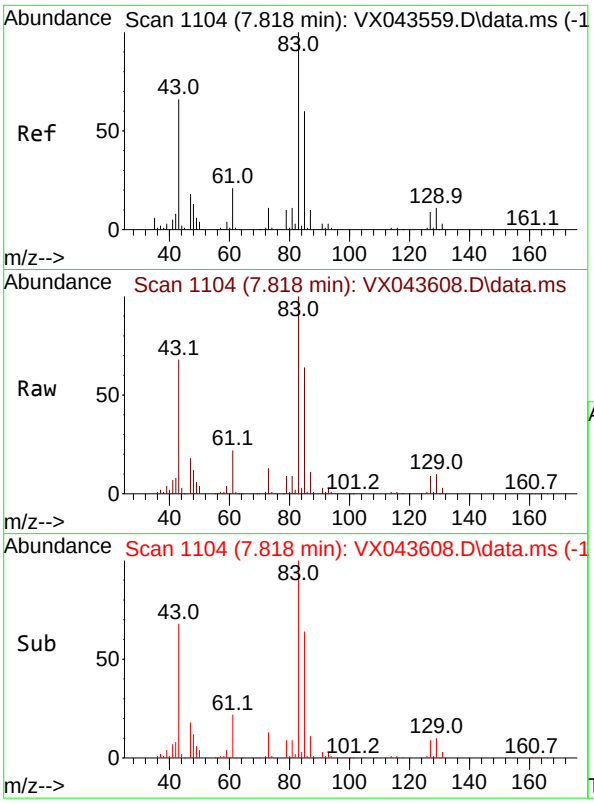


#46
Dibromomethane
Concen: 51.612 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 93 Resp: 69649

Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.4	99.6
174	97.9	75.0	112.4



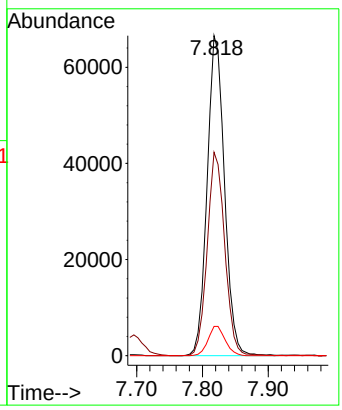


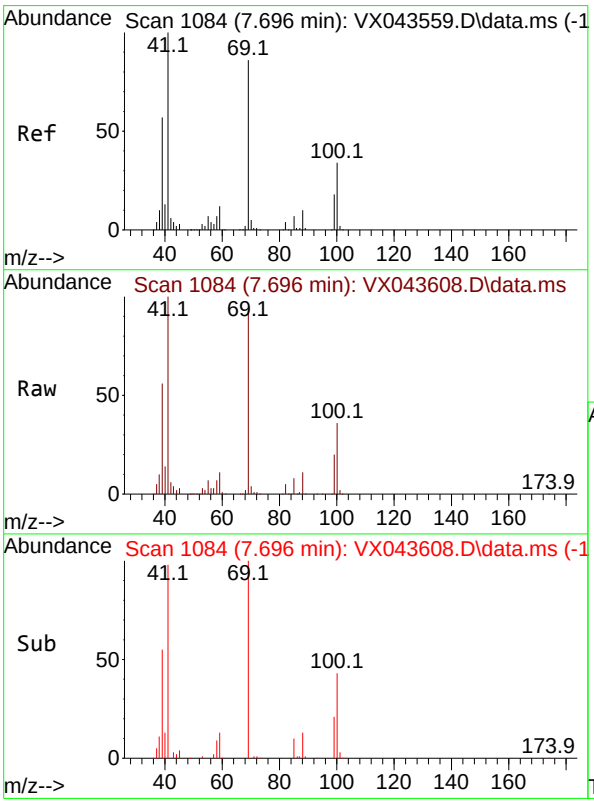
#47
Bromodichloromethane
Concen: 51.646 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 122263

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4
127	9.2	7.1	10.7

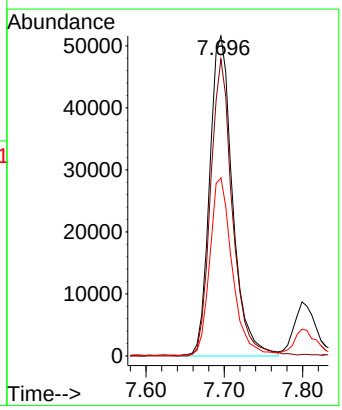


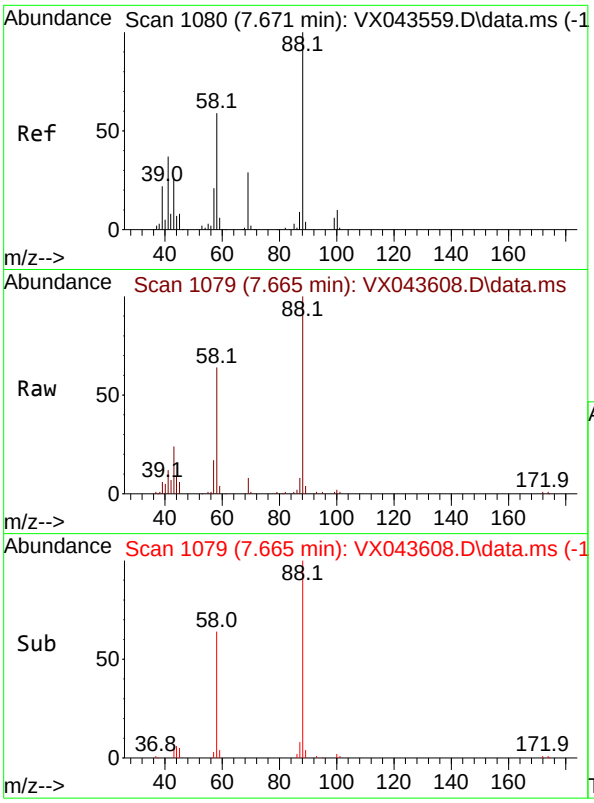


#48
Methyl methacrylate
Concen: 51.651 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 41 Resp: 104902

Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.7	101.5
39	54.0	46.3	69.5



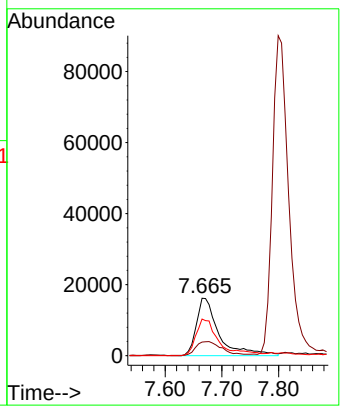


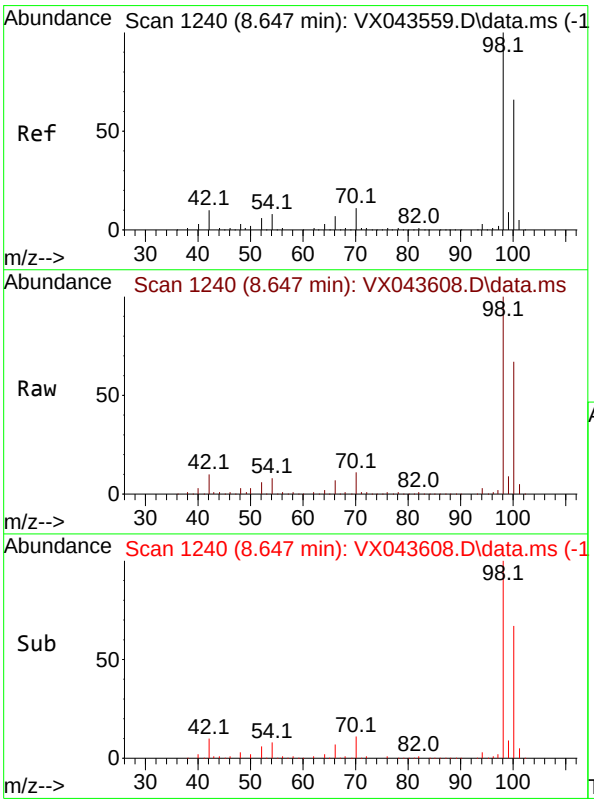
#49
1,4-Dioxane
Concen: 1075.073 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 44859

Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.3	37.9
58	64.7	53.9	80.9

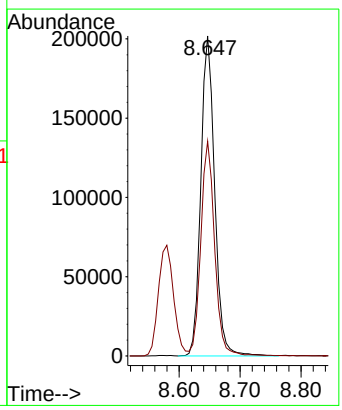


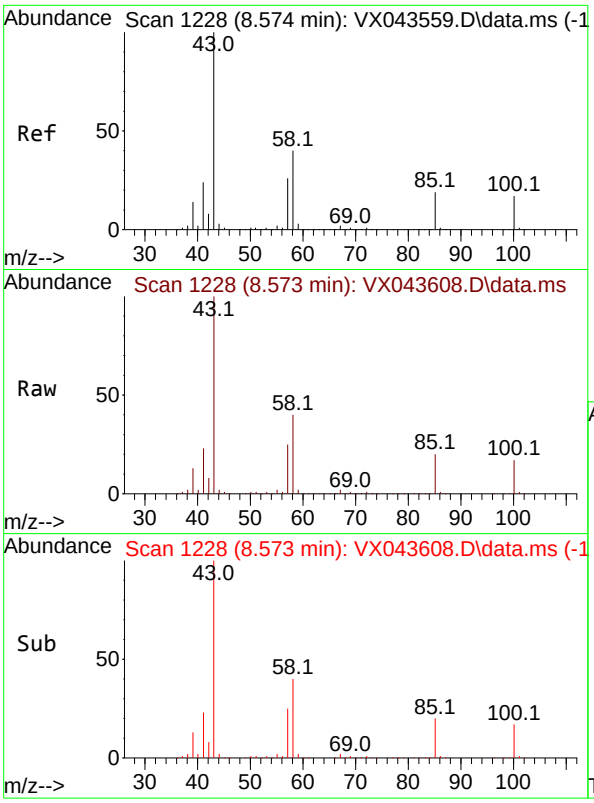


#50
Toluene-d8
Concen: 51.243 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 98 Resp: 319178

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2



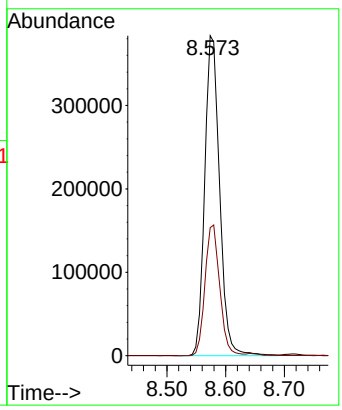


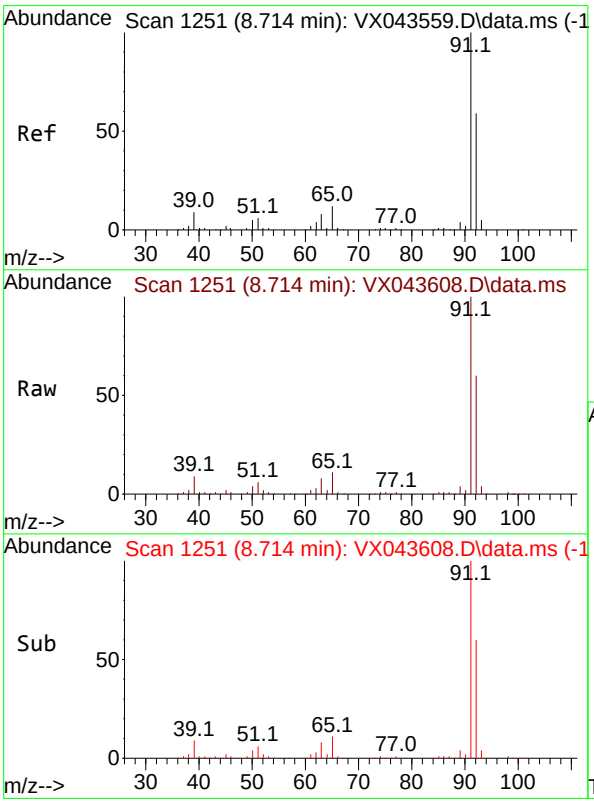
#51
4-Methyl-2-Pentanone
Concen: 258.941 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 676072

Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.7	47.5

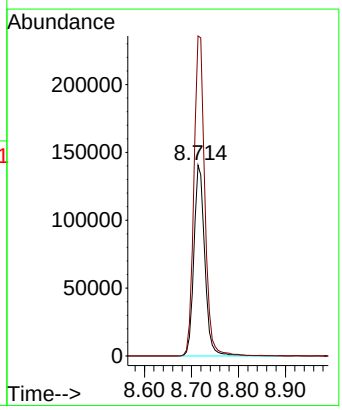


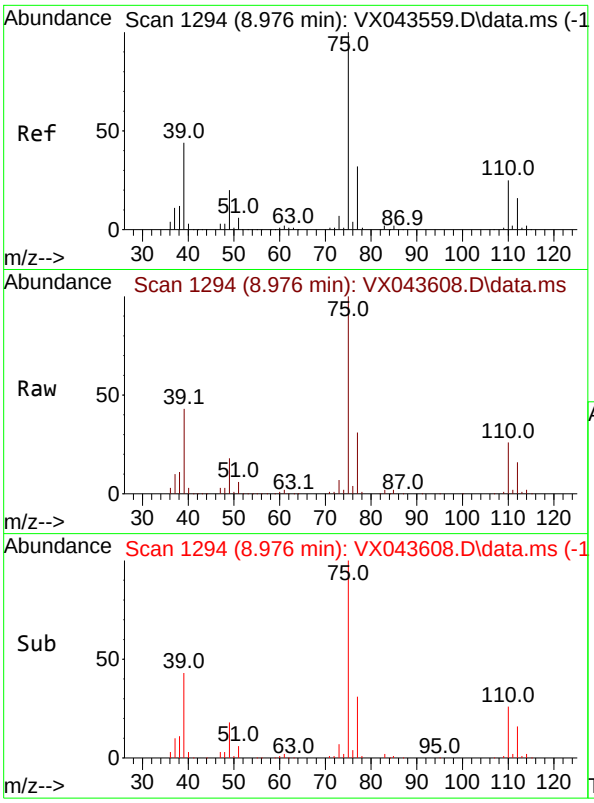


#52
Toluene
Concen: 52.560 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 92 Resp: 226884

Ion	Ratio	Lower	Upper
92	100		
91	168.6	135.7	203.5



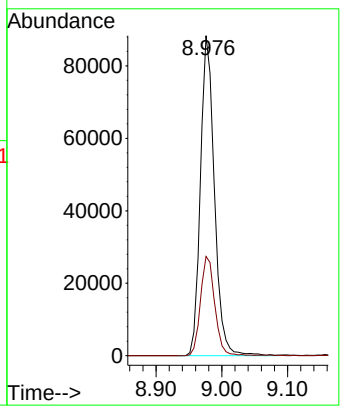


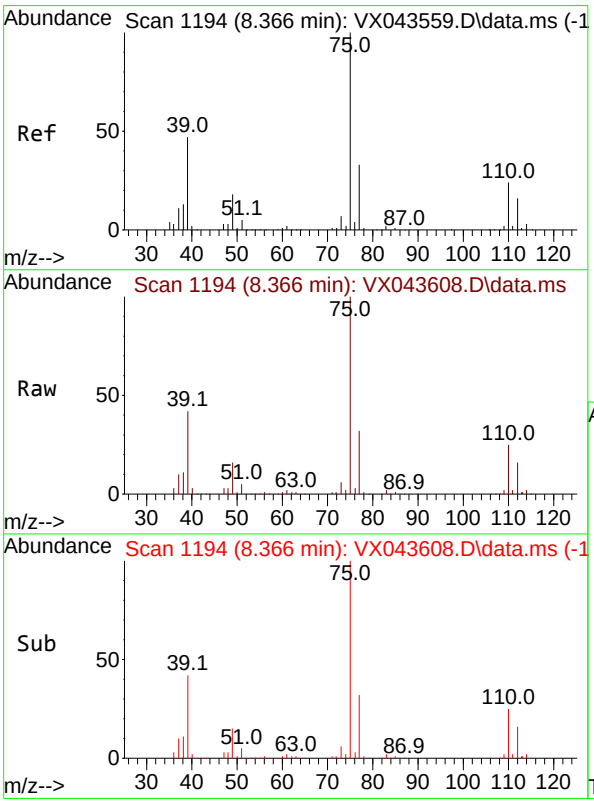
#53
t-1,3-Dichloropropene
Concen: 51.314 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 130475

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0

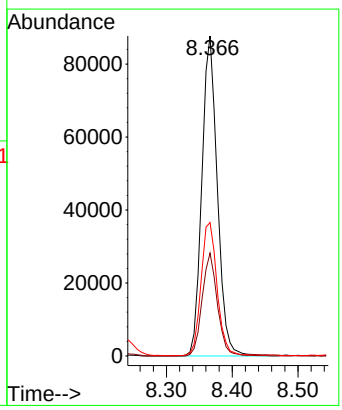


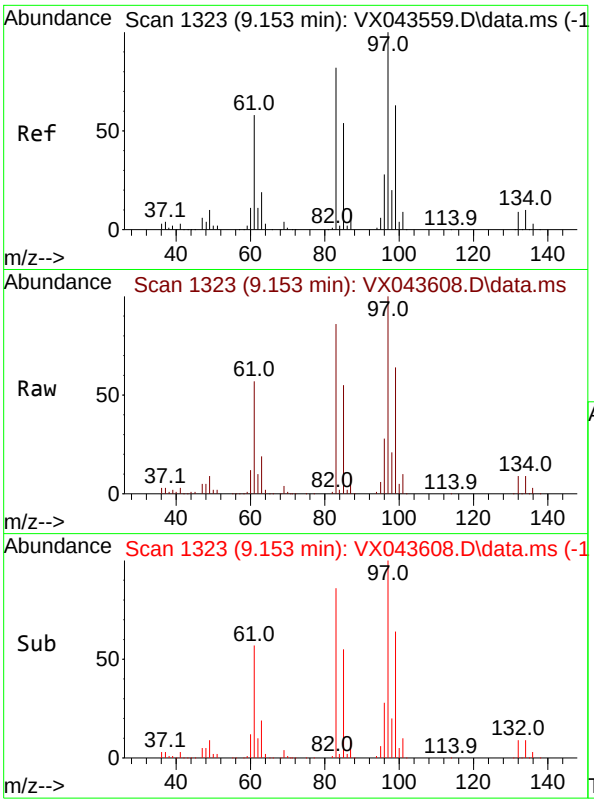


#54
cis-1,3-Dichloropropene
Concen: 53.094 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 143839

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	41.5	37.7	56.5



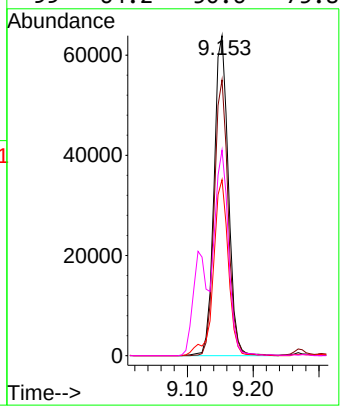


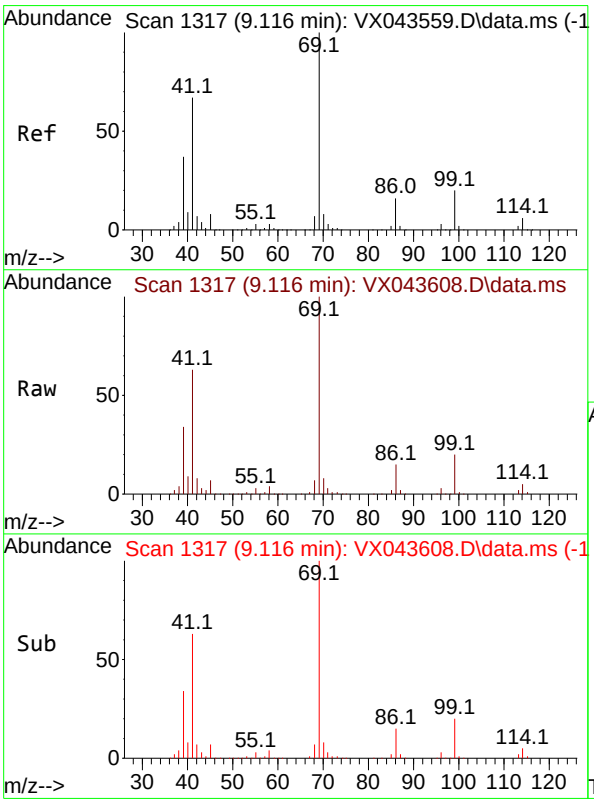
#55
1,1,2-Trichloroethane
Concen: 53.799 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 96667

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.3	100.9
85	55.0	43.6	65.4
99	64.2	50.6	75.8

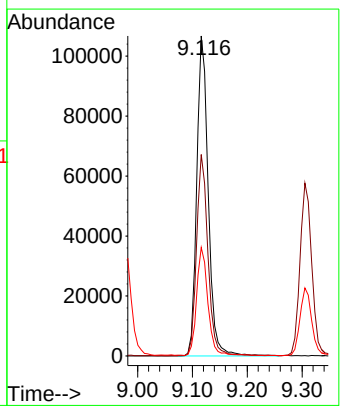


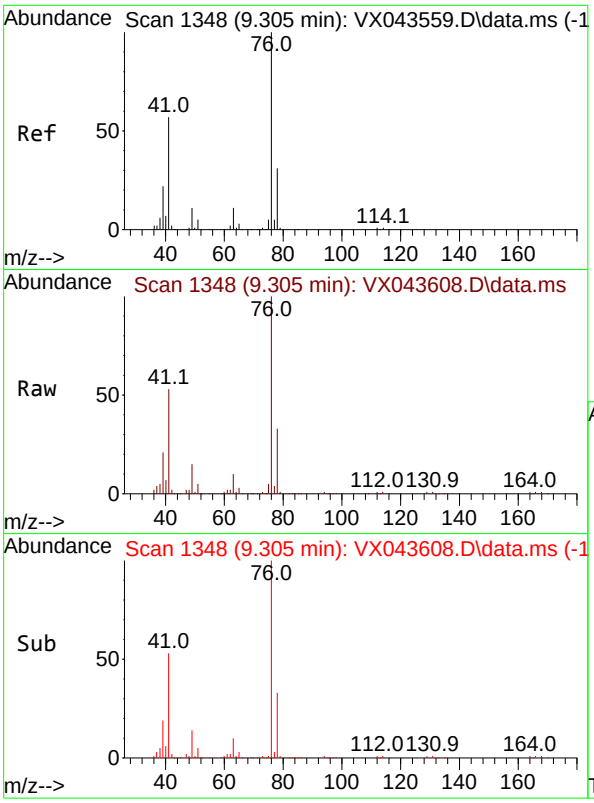


#56
Ethyl methacrylate
Concen: 53.432 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 69 Resp: 156001

Ion	Ratio	Lower	Upper
69	100		
41	62.5	53.8	80.8
39	33.3	29.9	44.9



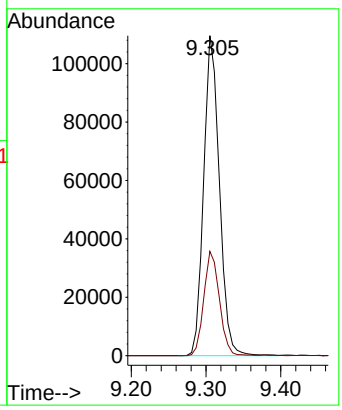


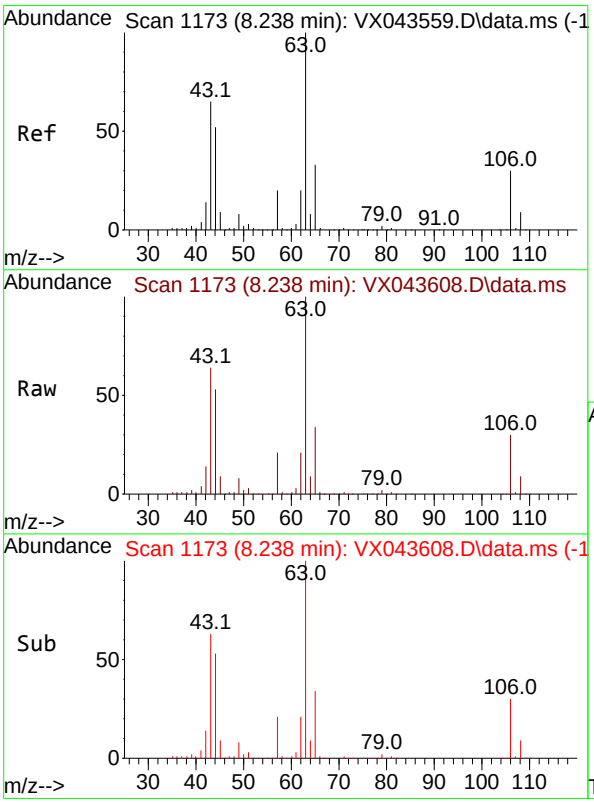
#57
1,3-Dichloropropane
Concen: 53.607 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 160202

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

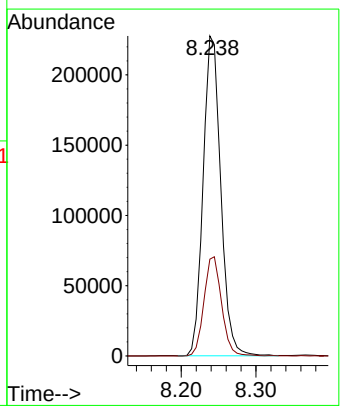


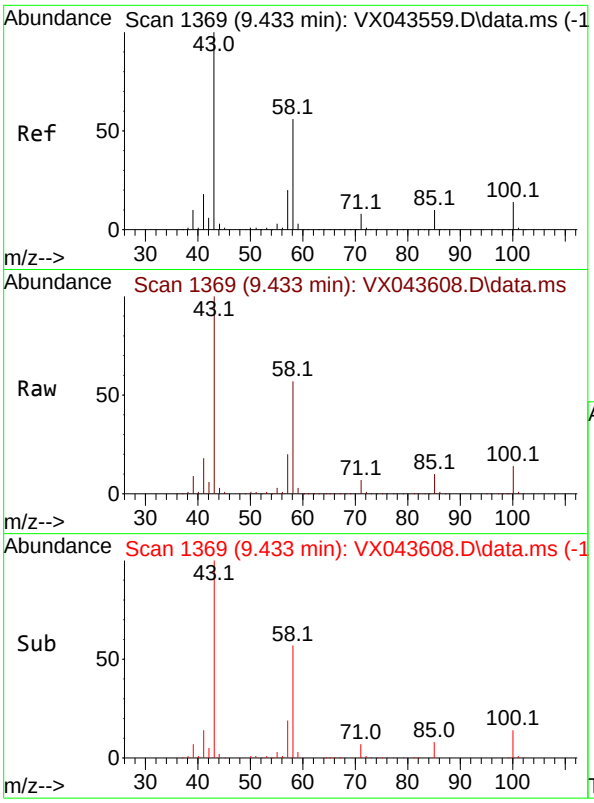


#58
2-Chloroethyl Vinyl ether
Concen: 263.875 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 63 Resp: 373123

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.6	35.4



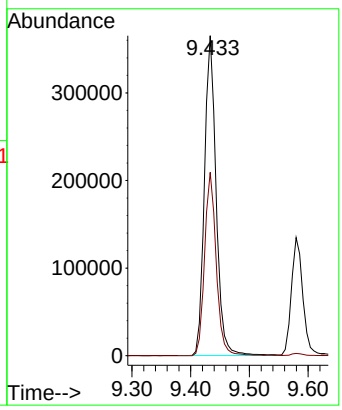


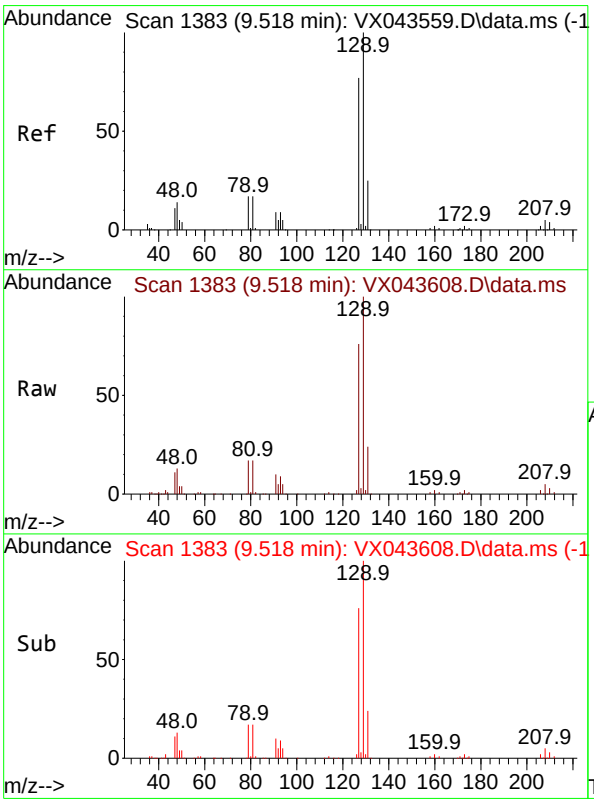
#59
2-Hexanone
Concen: 254.496 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 504664

Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.5	82.5

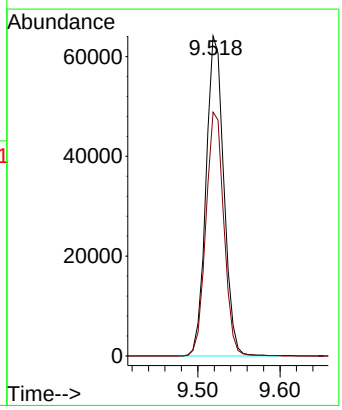


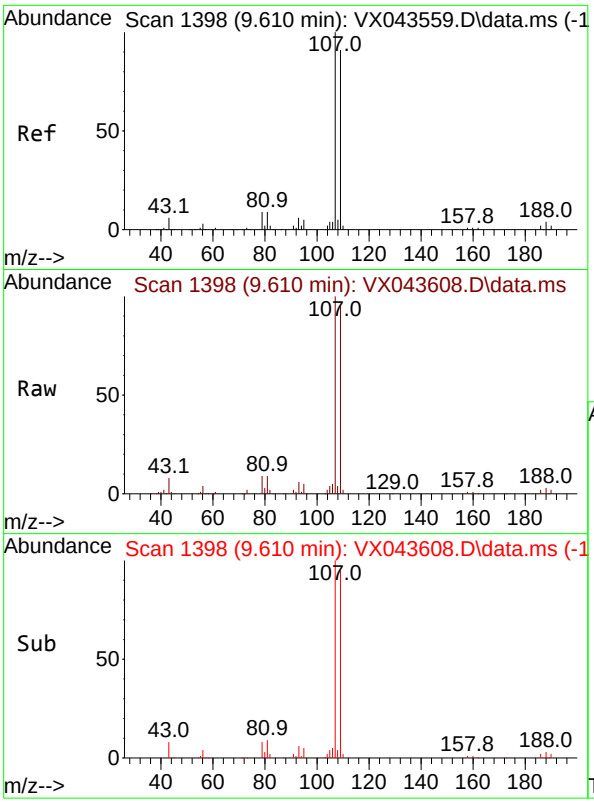


#60
Dibromochloromethane
Concen: 54.022 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:129 Resp: 96120

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.1



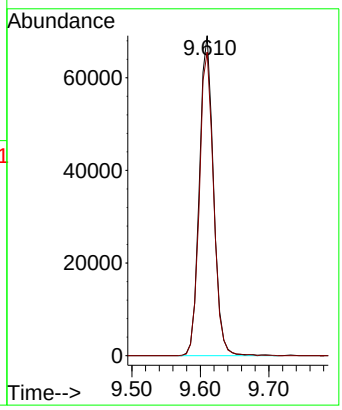


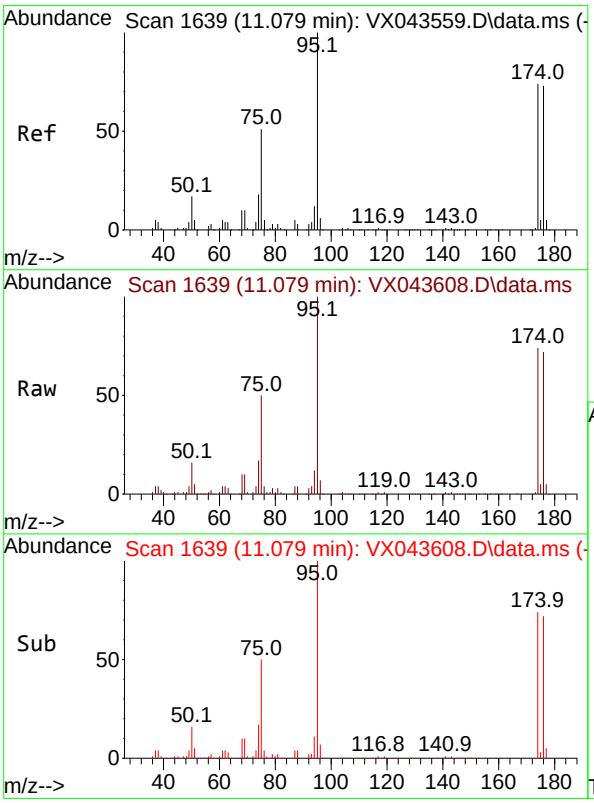
#61
1,2-Dibromoethane
Concen: 53.153 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 99141

Ion	Ratio	Lower	Upper
107	100		
109	95.6	77.1	115.7

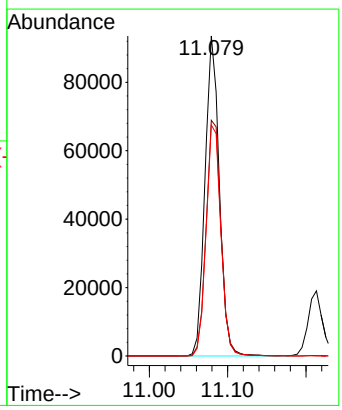


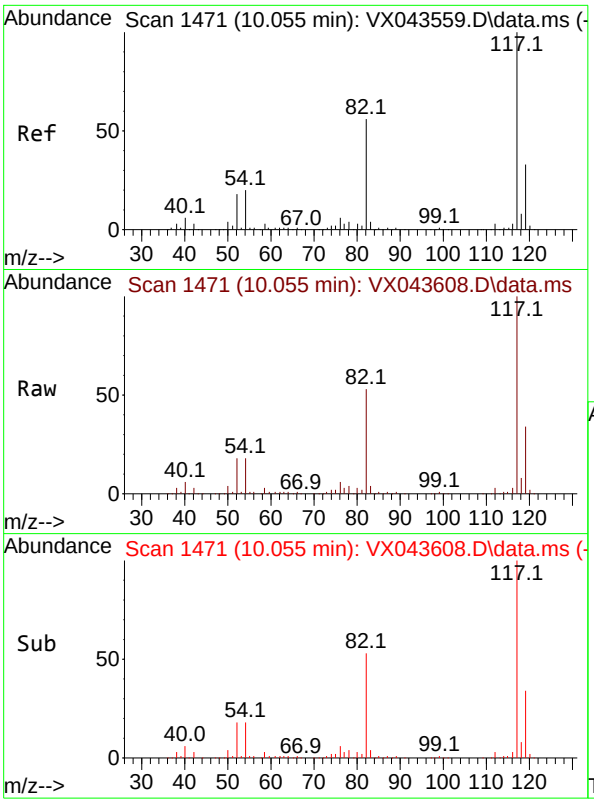


#62
4-Bromofluorobenzene
Concen: 51.413 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 95 Resp: 118664

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	146.6
176	74.4	0.0	139.6



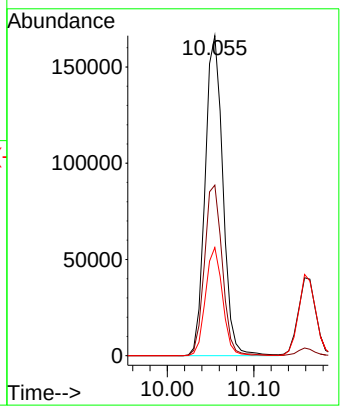


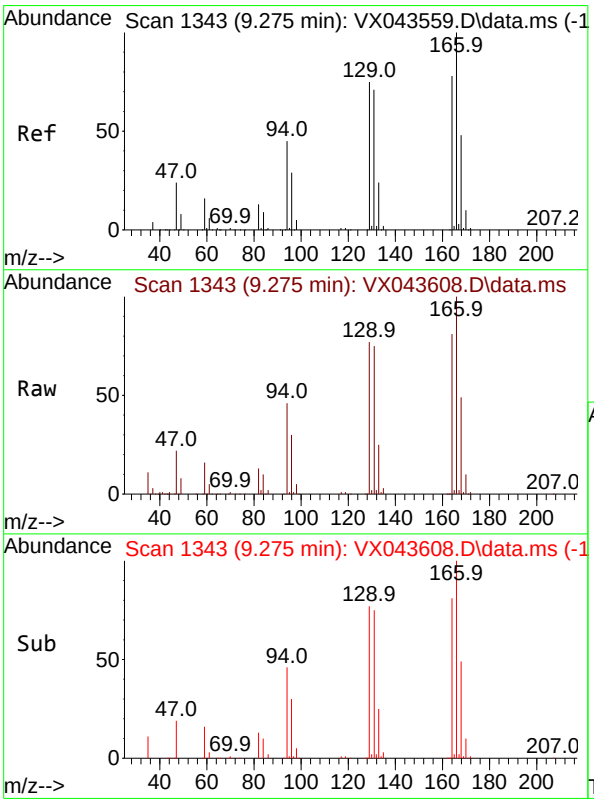
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 236719

Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	33.8	25.4	38.2

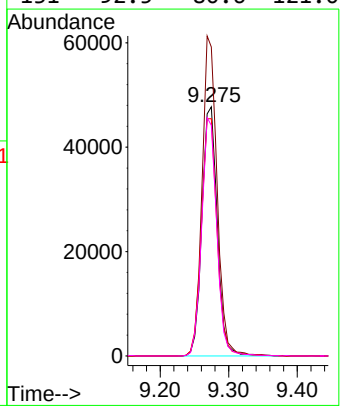


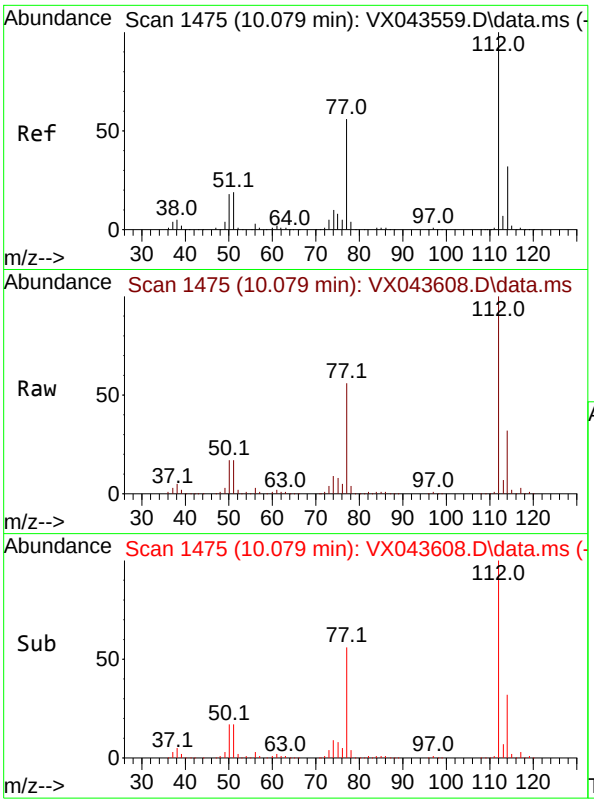


#64
Tetrachloroethene
Concen: 49.957 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:164 Resp: 74378

Ion	Ratio	Lower	Upper
164	100		
166	124.0	103.8	155.6
129	95.3	83.8	125.6
131	92.5	80.6	121.0



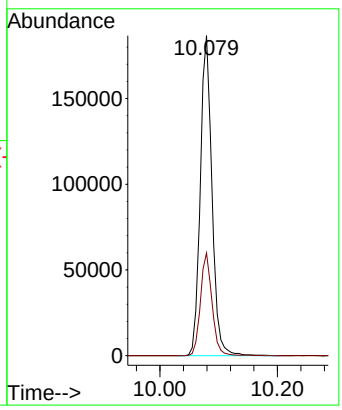


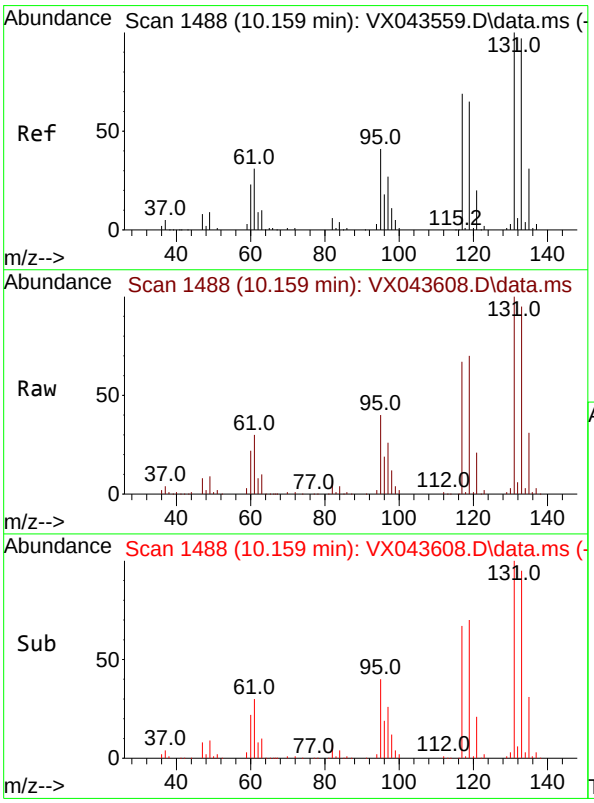
#65
Chlorobenzene
Concen: 50.588 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 257636

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

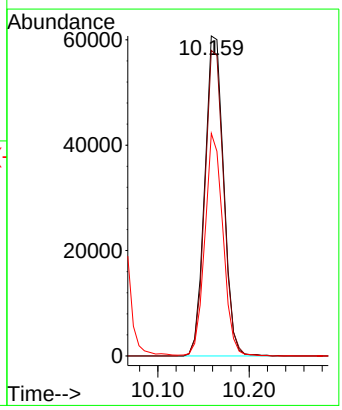


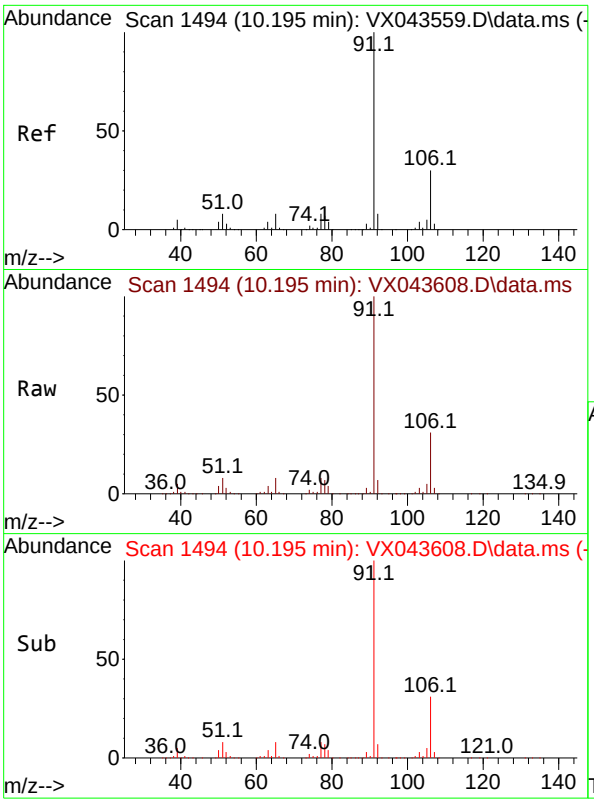


#66
1,1,1,2-Tetrachloroethane
Concen: 52.231 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:131 Resp: 86886

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.0
119	66.7	32.3	96.9



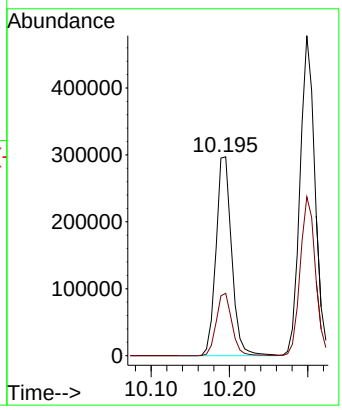


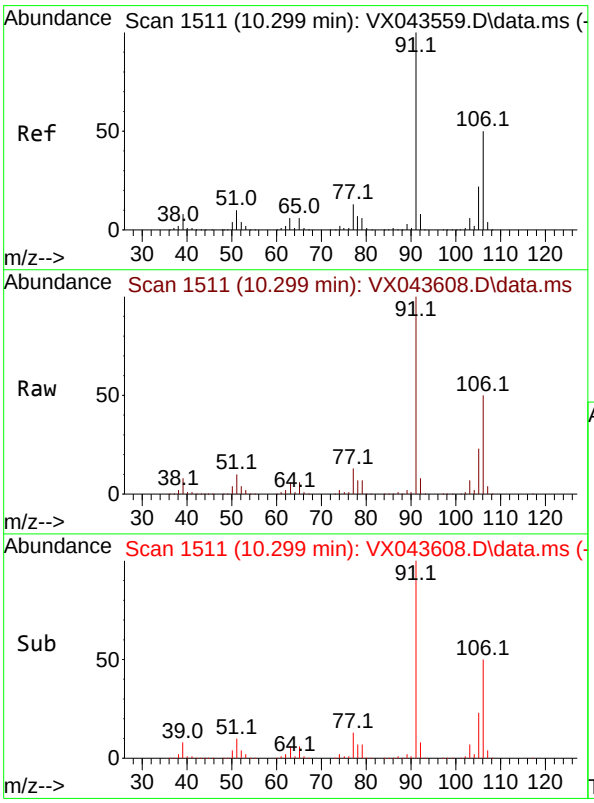
#67
Ethyl Benzene
Concen: 49.943 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 414752

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2

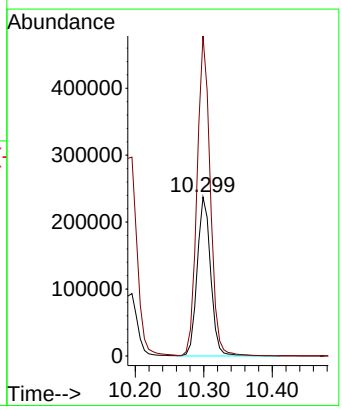


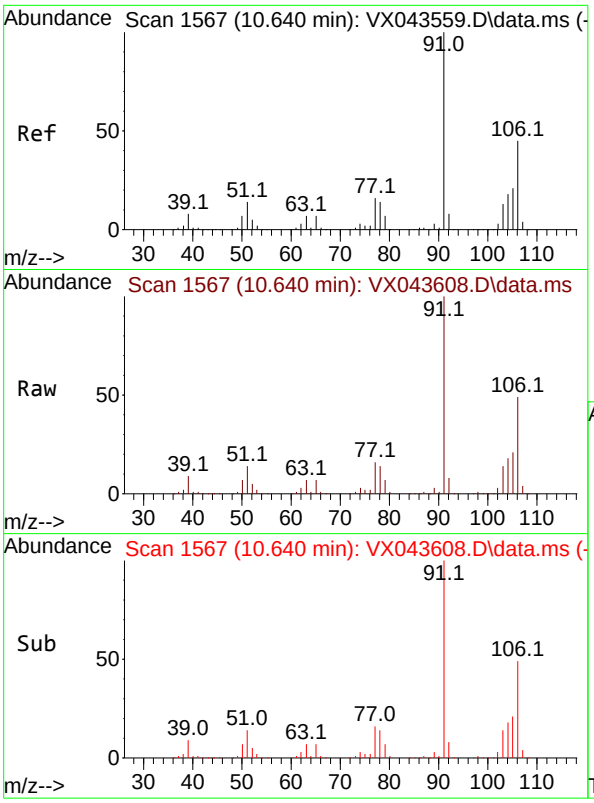


#68
m/p-Xylenes
Concen: 101.972 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:106 Resp: 323840

Ion	Ratio	Lower	Upper
106	100		
91	197.9	164.7	247.1



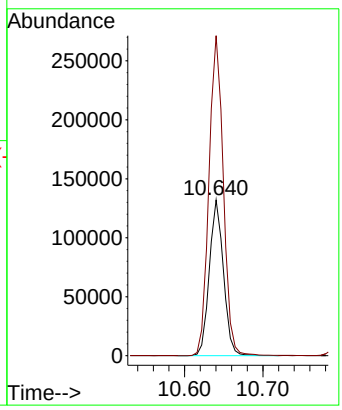


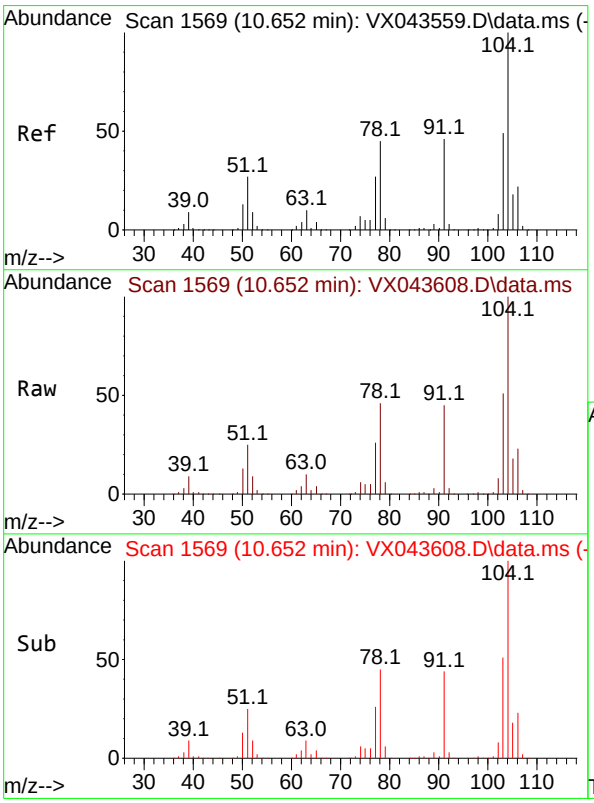
#69
o-Xylene
Concen: 51.602 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 164652

Ion	Ratio	Lower	Upper
106	100		
91	209.7	107.9	323.7

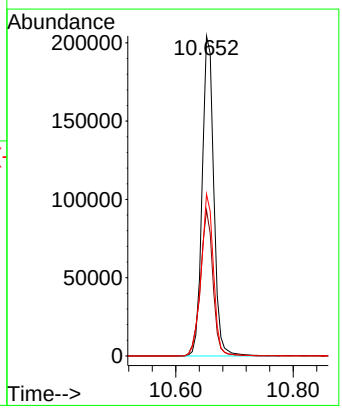


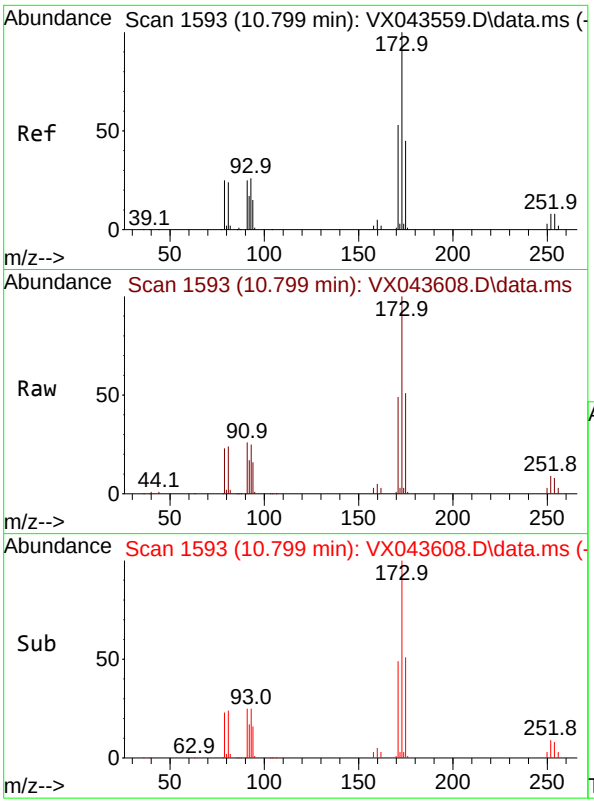


#70
Styrene
Concen: 53.092 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:104 Resp: 281569

Ion	Ratio	Lower	Upper
104	100		
78	48.8	40.0	60.0
103	53.9	43.4	65.0



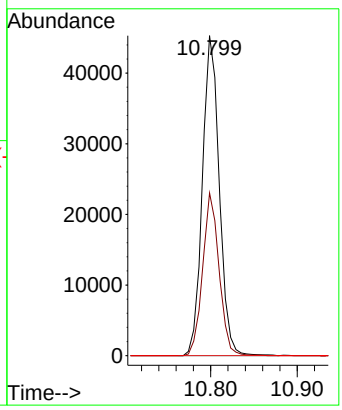


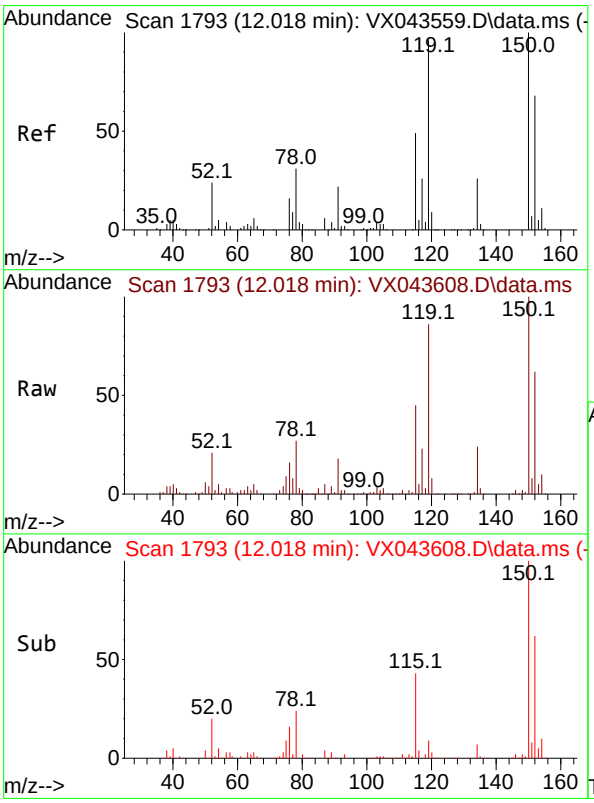
#71
Bromoform
Concen: 51.301 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 61359

Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.3	69.9
254	0.0	0.0	0.0

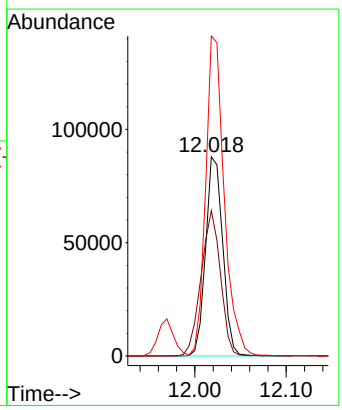


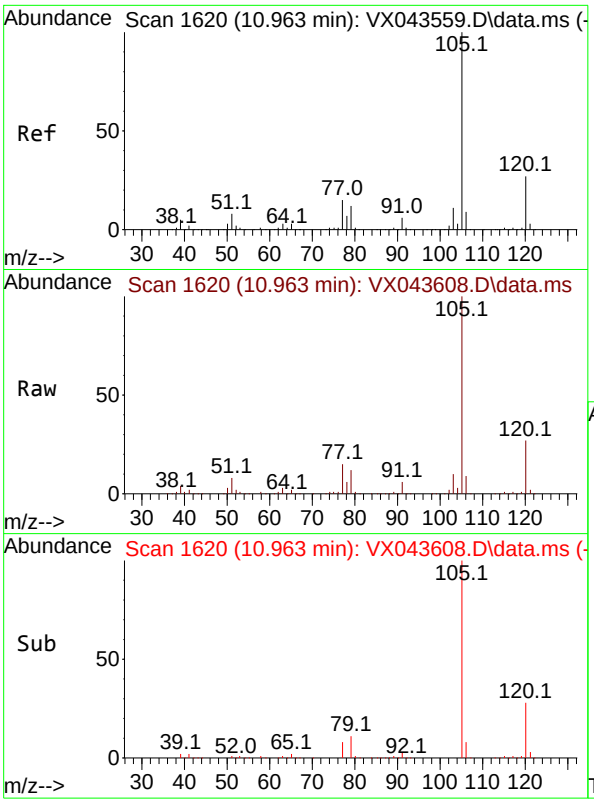


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:152 Resp: 114048

Ion	Ratio	Lower	Upper
152	100		
115	82.8	42.9	128.7
150	173.9	0.0	343.6



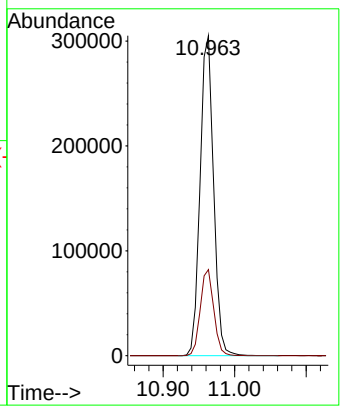


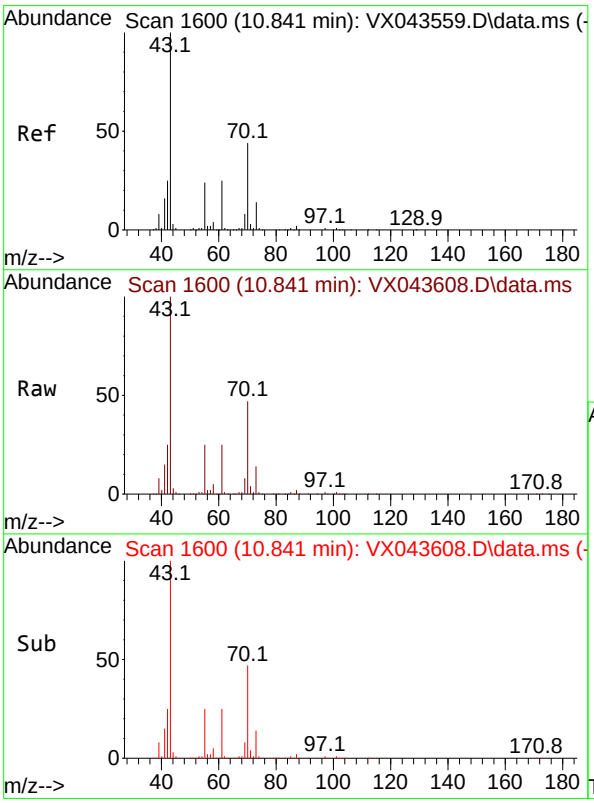
#73
Isopropylbenzene
Concen: 49.457 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 399550

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.6

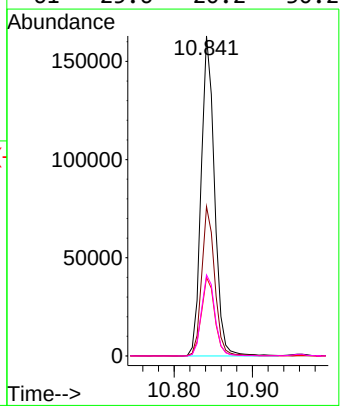


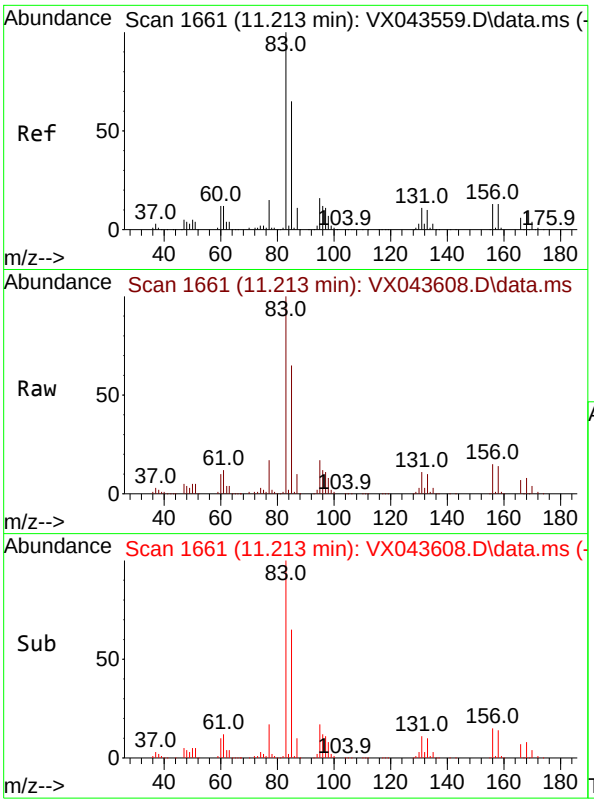


#74
N-amyl acetate
Concen: 49.043 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 43 Resp: 193011

Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.6	52.0
55	24.8	19.6	29.4
61	25.6	20.2	30.2



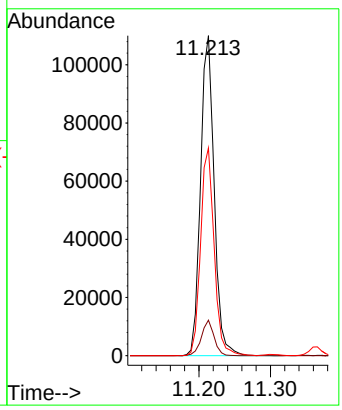


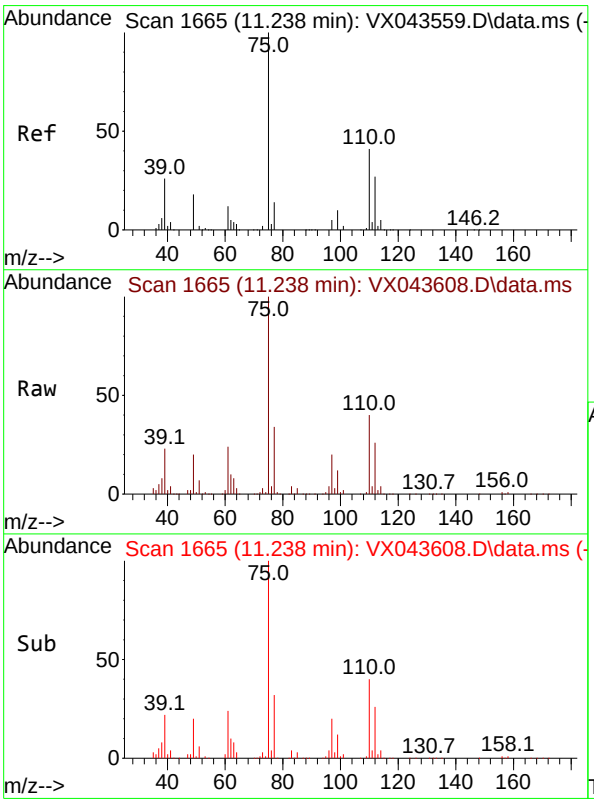
#75
1,1,2,2-Tetrachloroethane
Concen: 50.090 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 145515

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.5	32.4	97.0

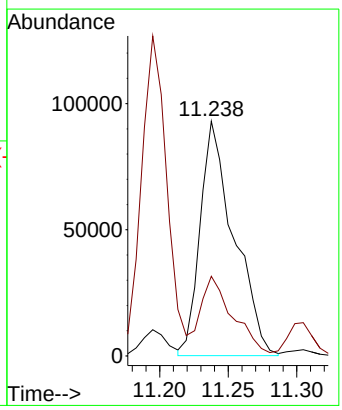


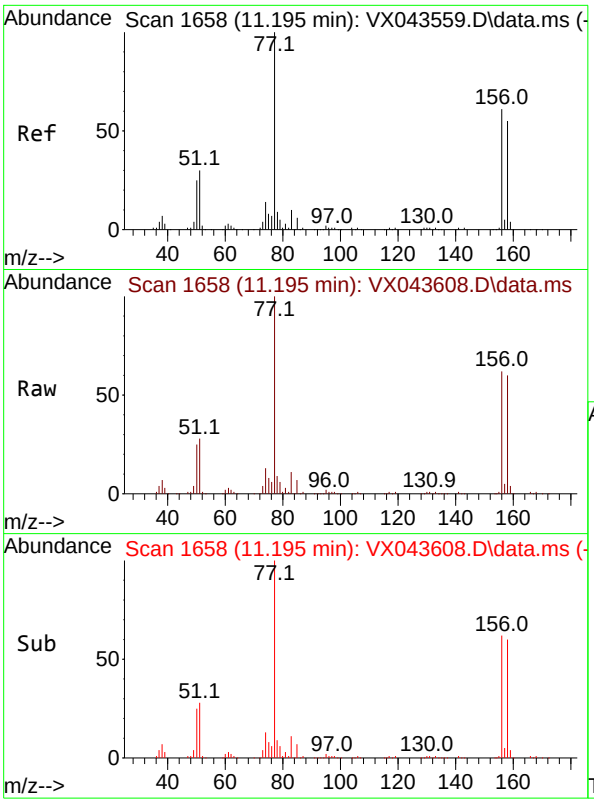


#76
1,2,3-Trichloropropane
Concen: 65.514 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 159755

Ion	Ratio	Lower	Upper
75	100		
77	33.0	22.4	67.2



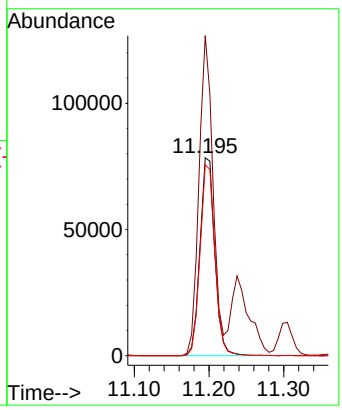


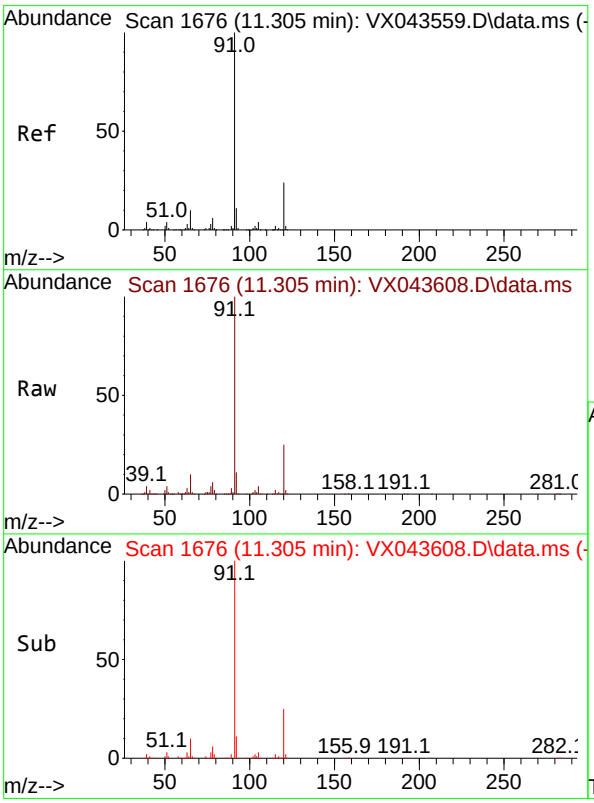
#77
Bromobenzene
Concen: 51.757 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 107968

Ion	Ratio	Lower	Upper
156	100		
77	152.0	79.7	239.1
158	96.0	48.0	144.0

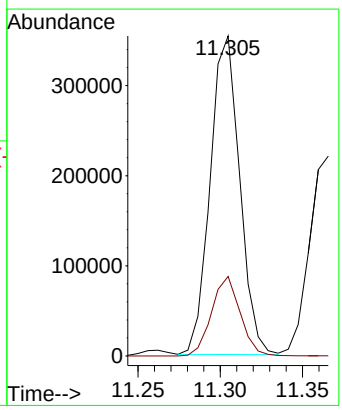


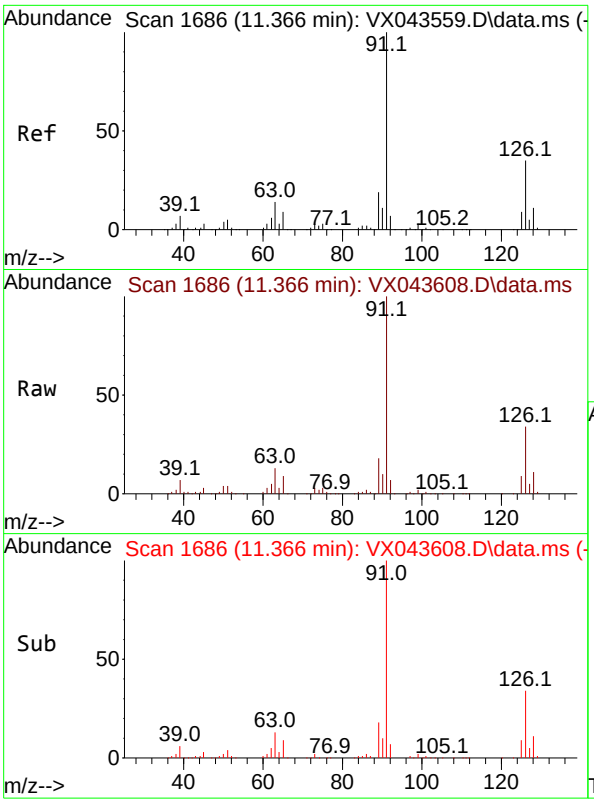


#78
n-propylbenzene
Concen: 50.049 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 91 Resp: 440854

Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.6	34.7



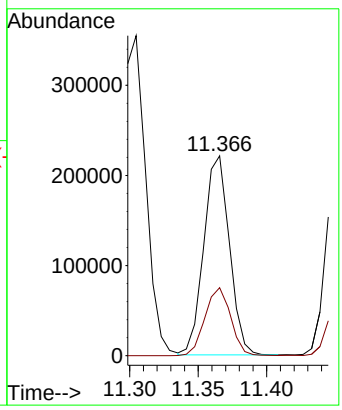


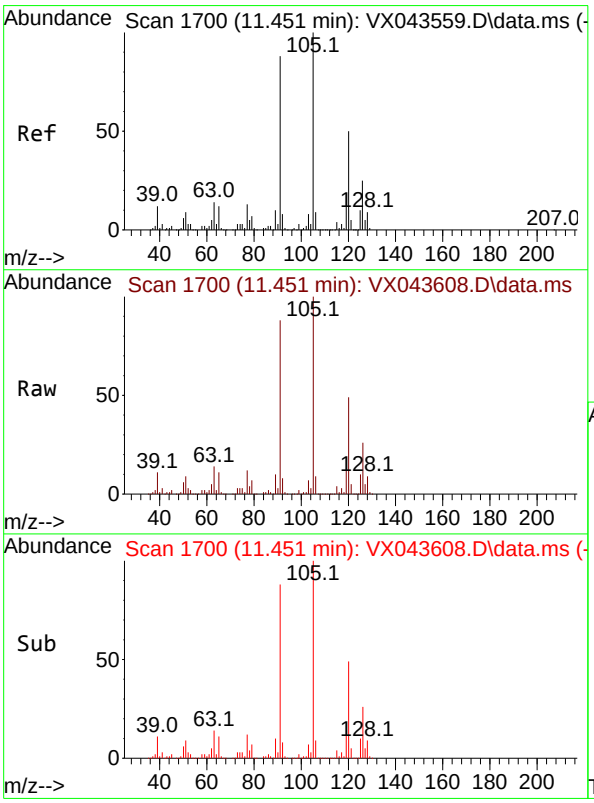
#79
2-Chlorotoluene
Concen: 49.168 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 287184

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.0

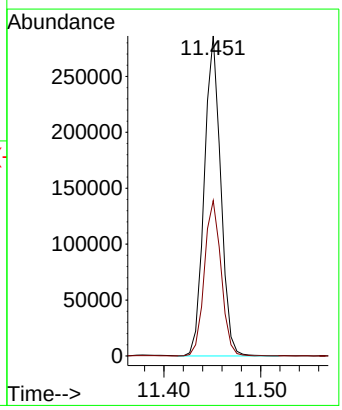


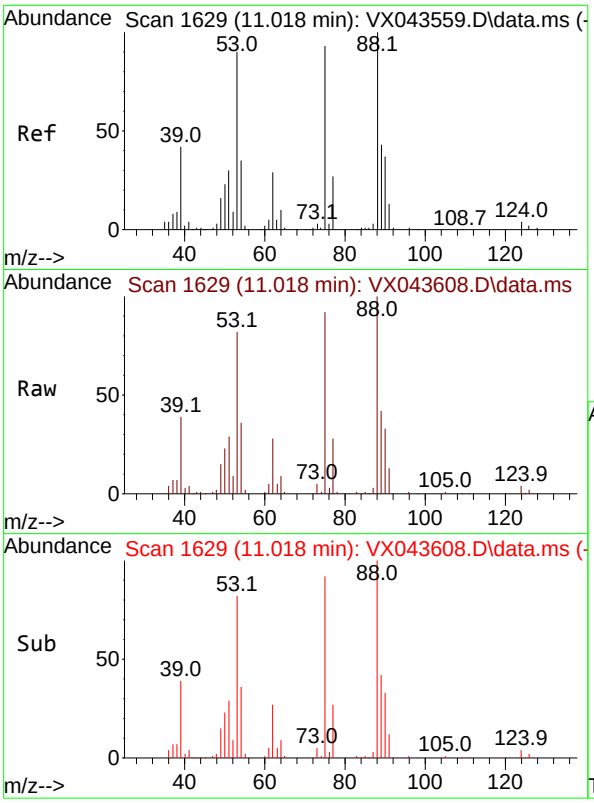


#80
1,3,5-Trimethylbenzene
Concen: 50.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:105 Resp: 338143

Ion	Ratio	Lower	Upper
105	100		
120	49.6	23.8	71.5



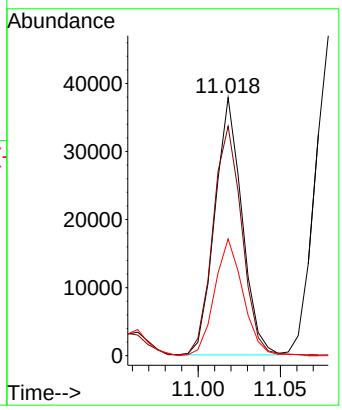


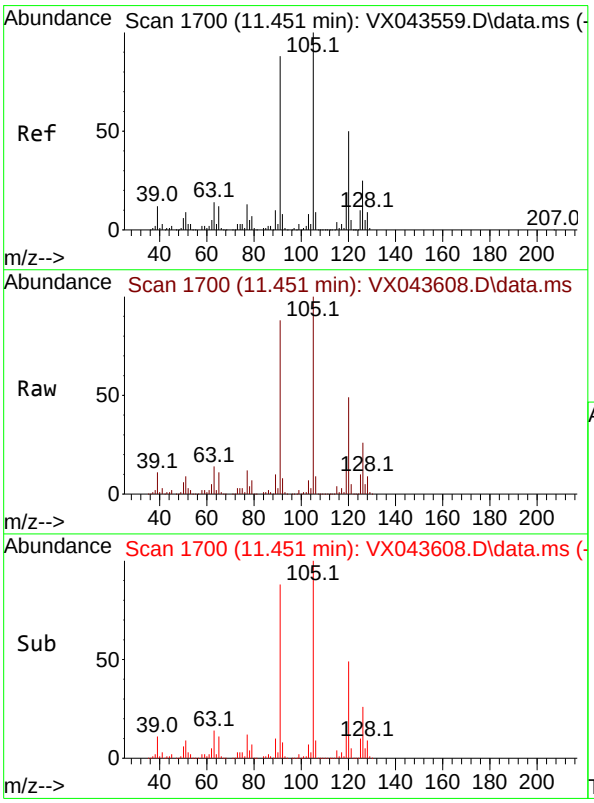
#81
trans-1,4-Dichloro-2-butene
Concen: 49.002 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 43435

Ion	Ratio	Lower	Upper
75	100		
53	94.9	84.6	126.8
89	47.6	38.6	58.0

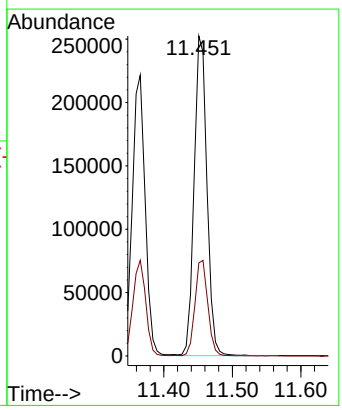


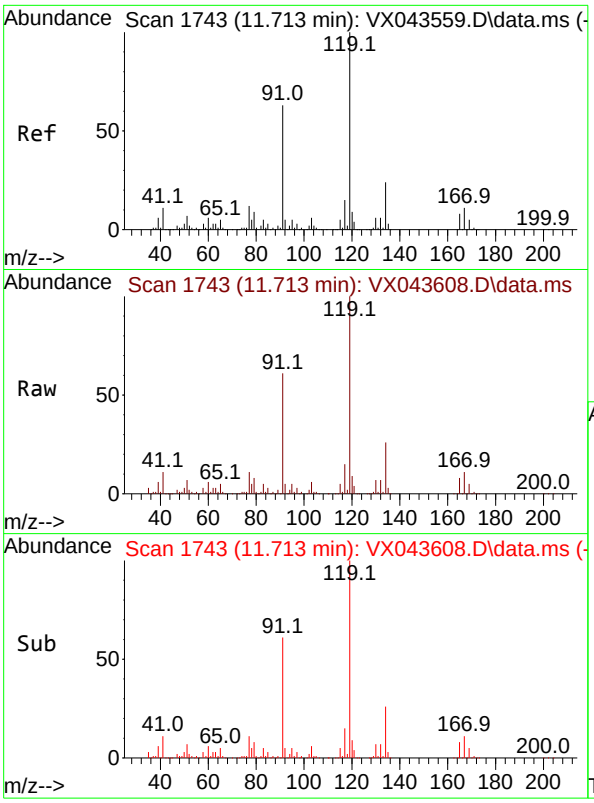


#82
4-Chlorotoluene
Concen: 49.980 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 91 Resp: 327663

Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.2	42.8



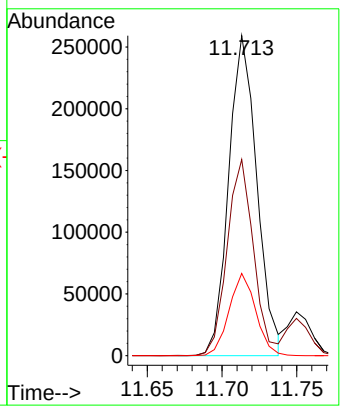


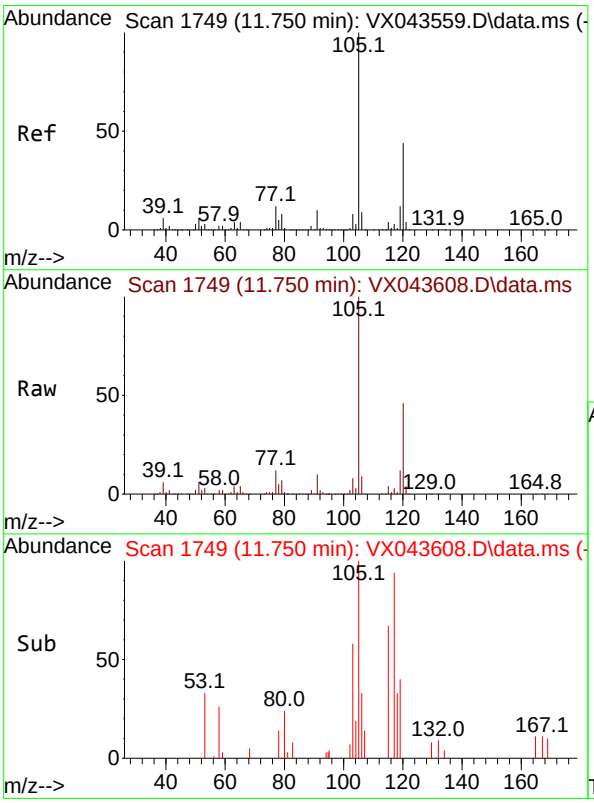
#83
tert-Butylbenzene
Concen: 49.604 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 339813

Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.5	88.5
134	24.3	11.8	35.3

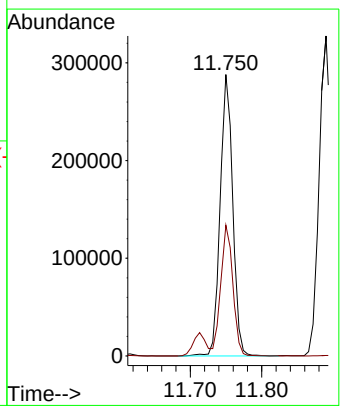


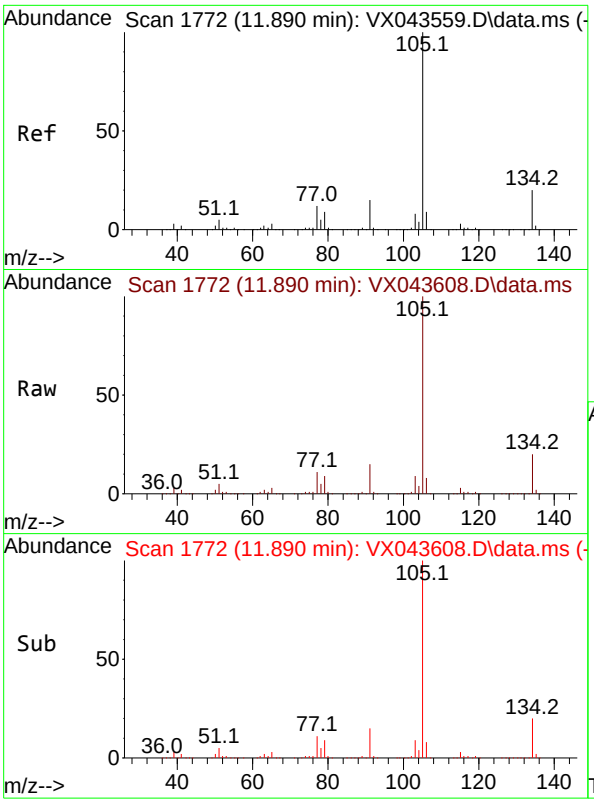


#84
1,2,4-Trimethylbenzene
Concen: 51.260 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:105 Resp: 351886

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.1



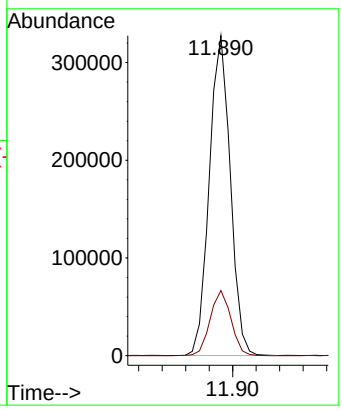


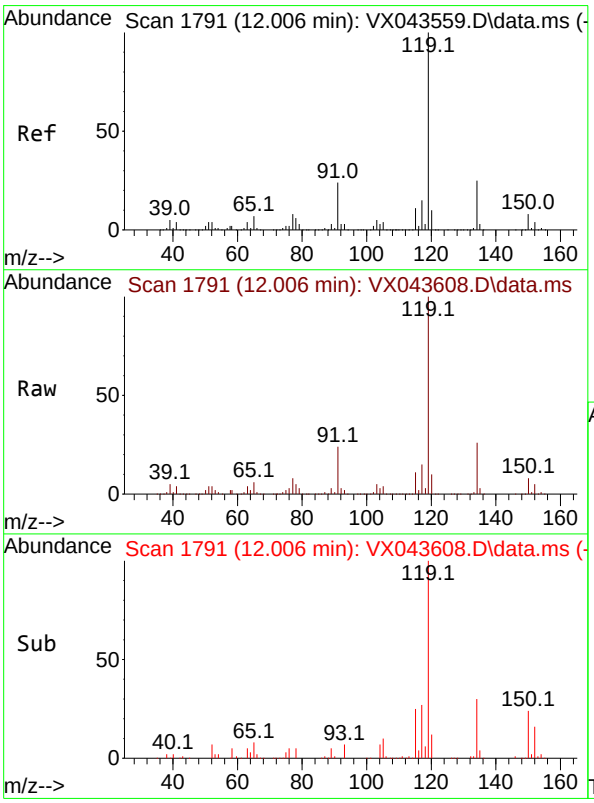
#85
sec-Butylbenzene
Concen: 50.641 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 406636

Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

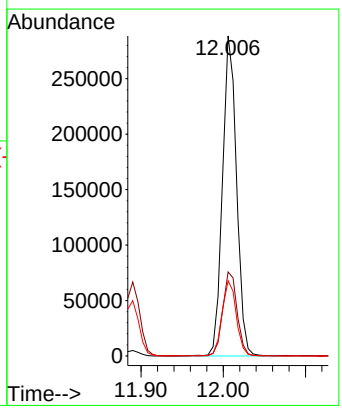


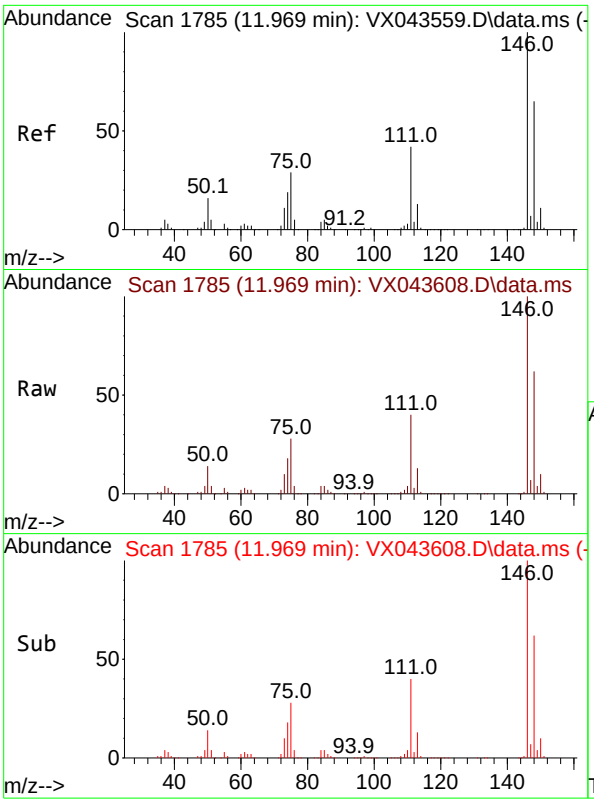


#86
p-Isopropyltoluene
Concen: 50.299 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:119 Resp: 343316

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.1
91	23.9	12.4	37.0



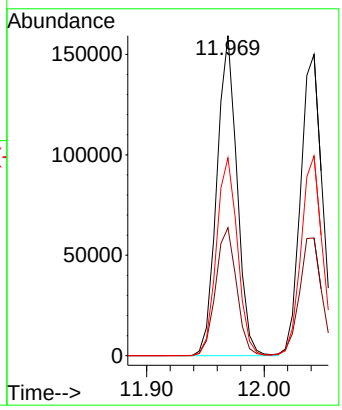


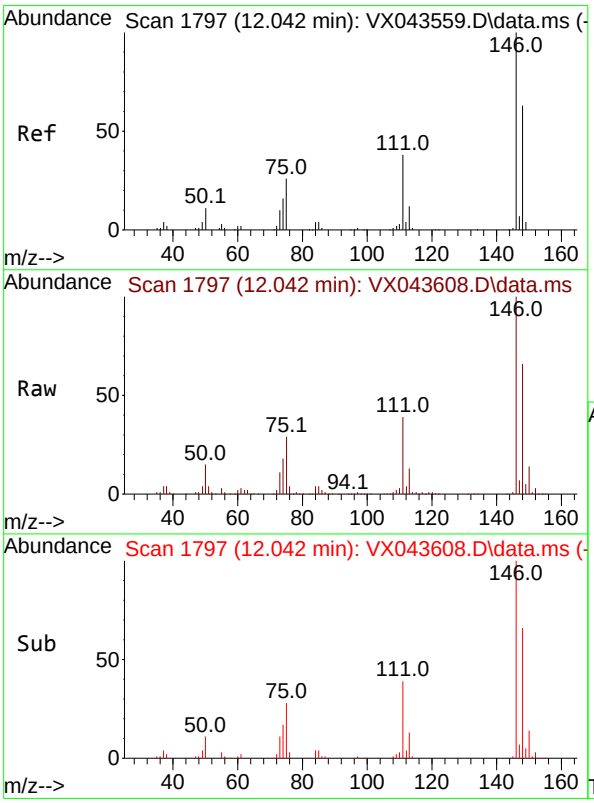
#87
1,3-Dichlorobenzene
Concen: 51.035 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 190820

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	64.2	31.6	94.8

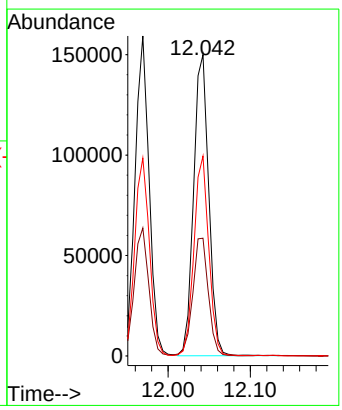


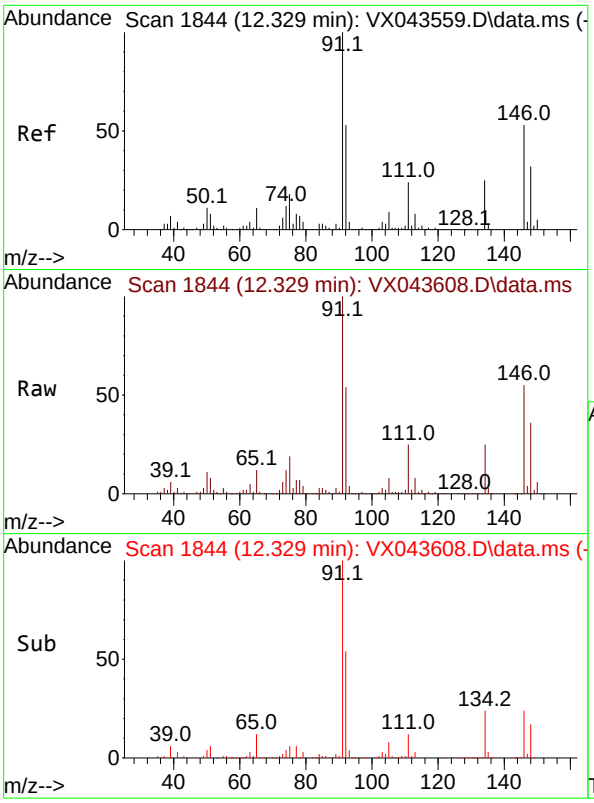


#88
1,4-Dichlorobenzene
Concen: 49.502 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:146 Resp: 191784

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.9	31.9	95.9



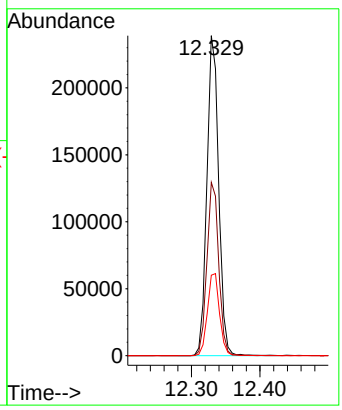


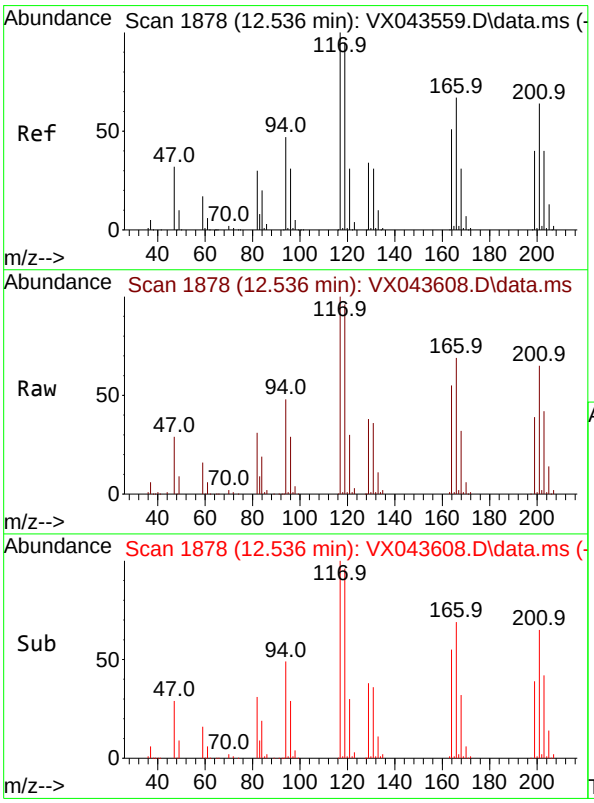
#89
n-Butylbenzene
Concen: 51.345 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 285567

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	26.5	12.9	38.6

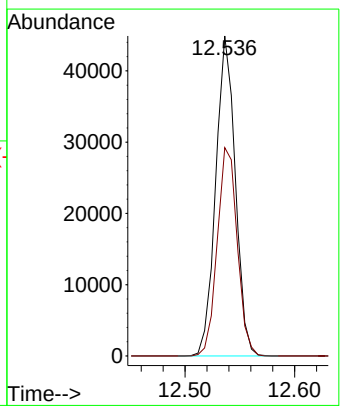


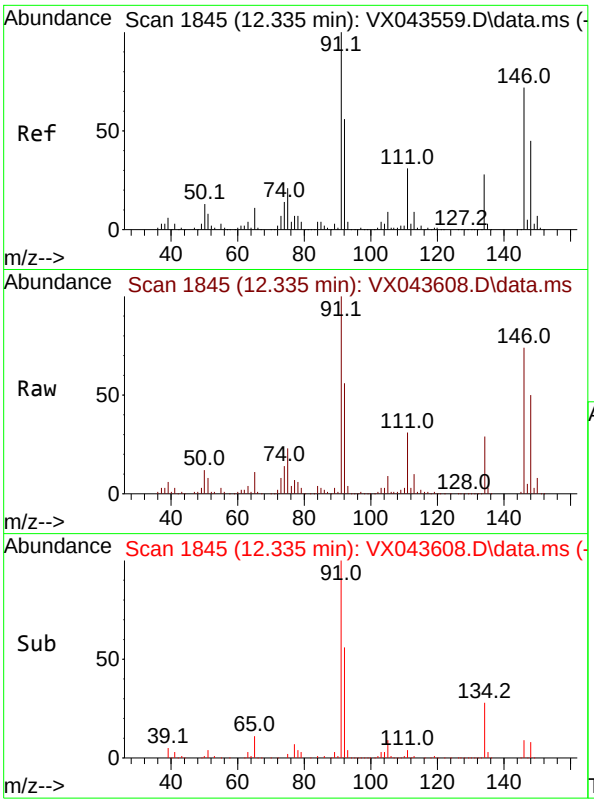


#90
Hexachloroethane
Concen: 50.348 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:117 Resp: 55820

Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.9	98.7



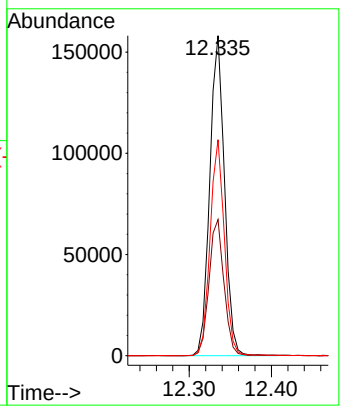


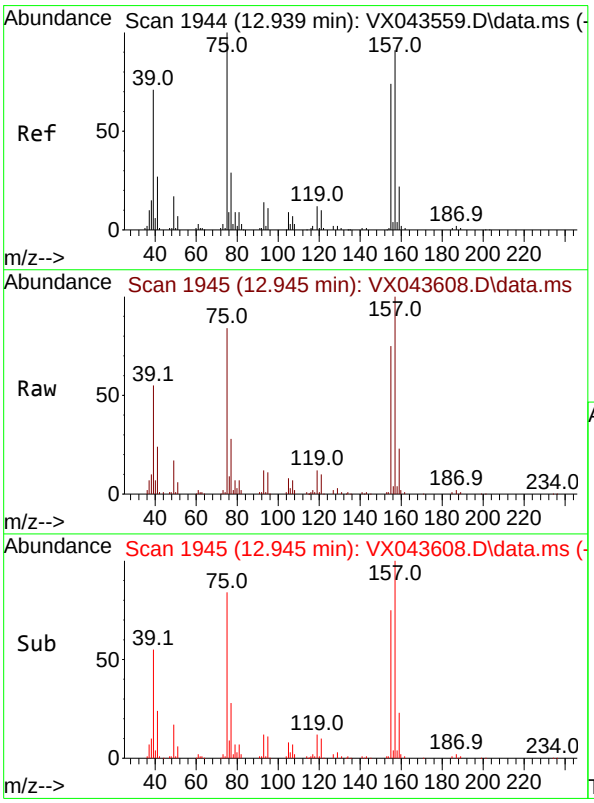
#91
1,2-Dichlorobenzene
Concen: 51.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 196688

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	65.4	31.6	95.0

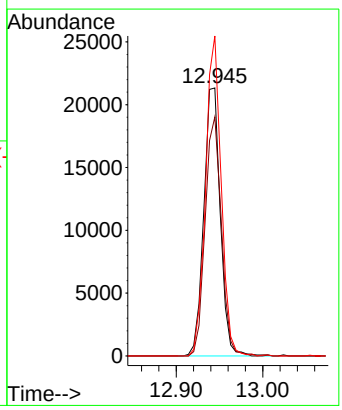


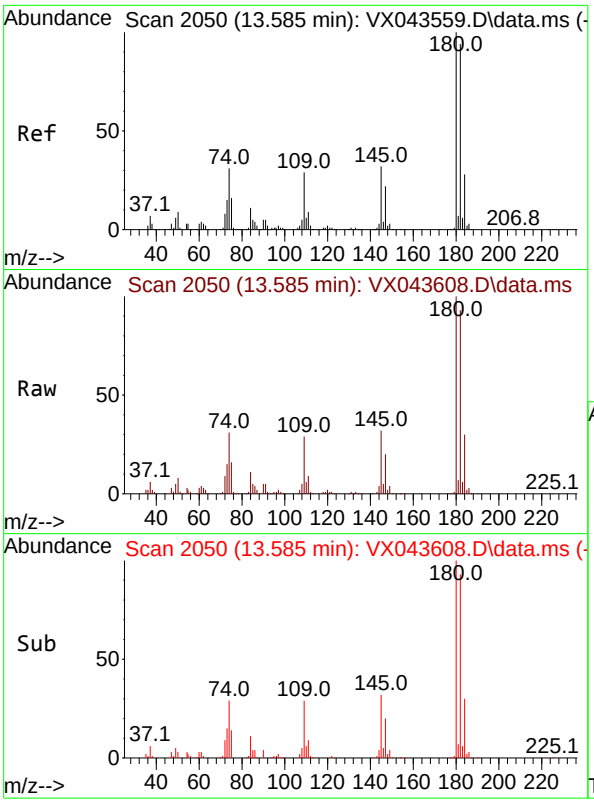


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.806 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion: 75 Resp: 28312

Ion	Ratio	Lower	Upper
75	100		
155	87.4	40.1	120.3
157	112.7	50.8	152.4



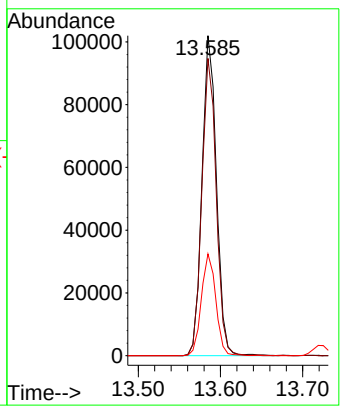


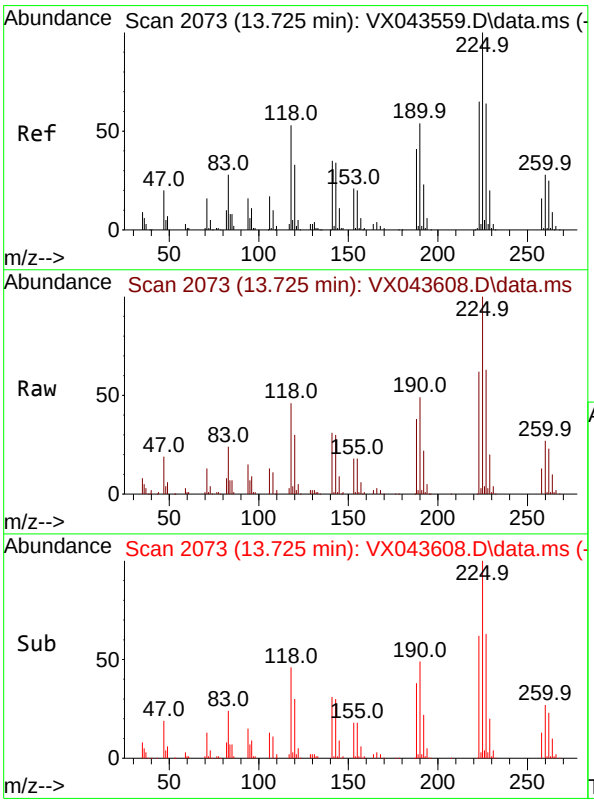
#93
1,2,4-Trichlorobenzene
Concen: 53.456 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 124057

Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.8	140.4
145	31.9	16.1	48.3

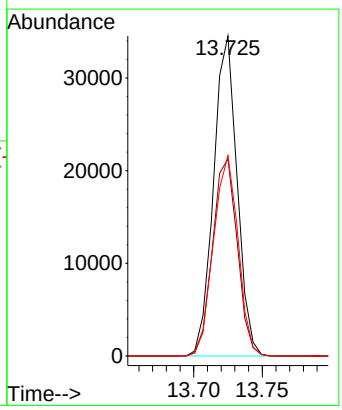


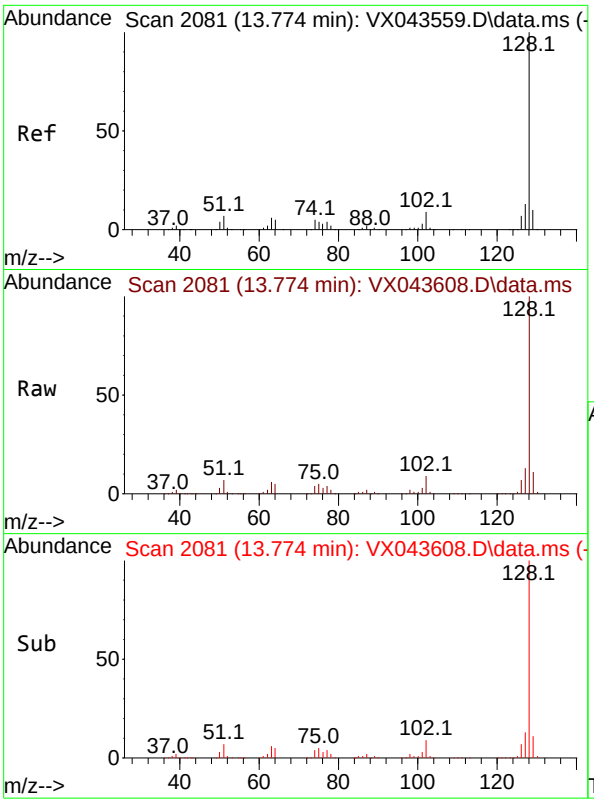


#94
Hexachlorobutadiene
Concen: 48.231 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:225 Resp: 41269

Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.8	92.4
227	65.2	31.6	94.8



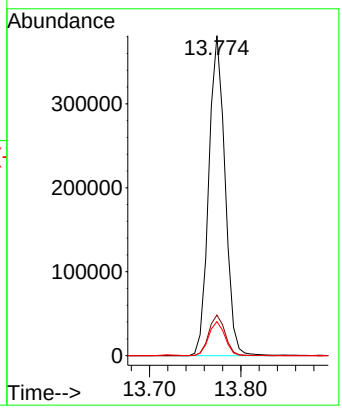


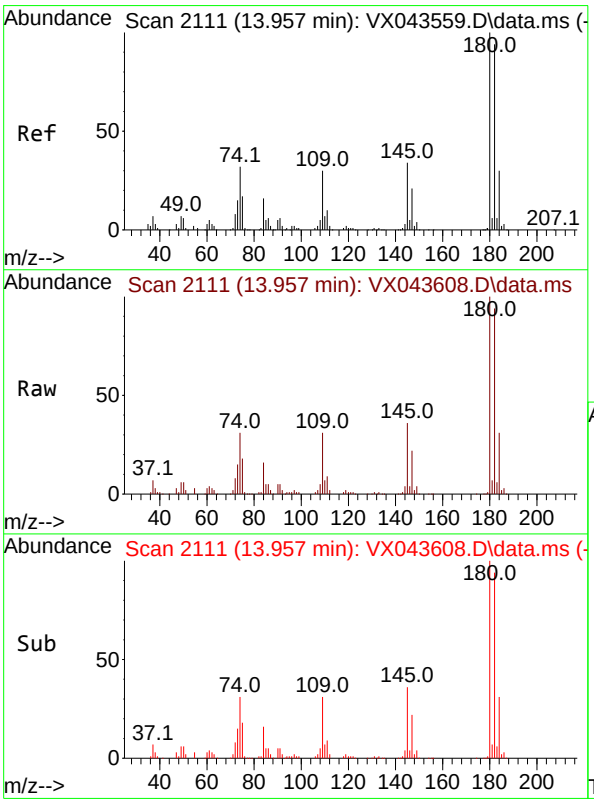
#95
Naphthalene
Concen: 53.003 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 470706

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.7	13.1

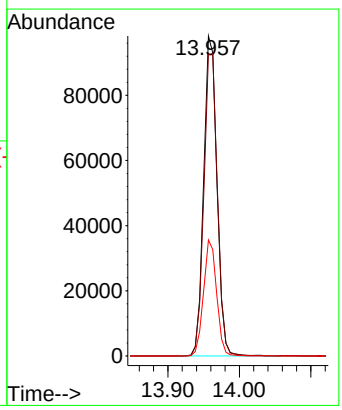




#96
1,2,3-Trichlorobenzene
Concen: 51.757 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043608.D
Acq: 29 Oct 2024 19:29

Tgt Ion:180 Resp: 126642

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.1	141.3
145	35.8	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	150073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112202	46.889	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.780%			
35) Dibromofluoromethane	5.379	113	94915	51.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.940%			
50) Toluene-d8	8.647	98	326824	51.692	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.380%			
62) 4-Bromofluorobenzene	11.079	95	124327	53.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	71574	44.596	ug/l	99
3) Chloromethane	1.294	50	87599	42.698	ug/l	98
4) Vinyl Chloride	1.374	62	85695	45.006	ug/l	99
5) Bromomethane	1.593	94	35512	45.750	ug/l	94
6) Chloroethane	1.660	64	30486	45.446	ug/l	99
7) Trichlorofluoromethane	1.861	101	104723	45.021	ug/l	99
8) Diethyl Ether	2.136	74	53489	49.770	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	76076	48.361	ug/l	98
10) Methyl Iodide	2.441	142	108842	47.890	ug/l	97
11) Tert butyl alcohol	3.014	59	108451	242.814	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	75194	46.775	ug/l	93
13) Acrolein	2.239	56	74024	211.927	ug/l	100
14) Allyl chloride	2.654	41	131287	47.217	ug/l	95
15) Acrylonitrile	3.068	53	252559	250.451	ug/l	99
16) Acetone	2.392	43	257260	270.728	ug/l	97
17) Carbon Disulfide	2.495	76	143574	42.711	ug/l	99
18) Methyl Acetate	2.703	43	132295	47.636	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	295972	48.412	ug/l	98
20) Methylene Chloride	2.782	84	95520	46.641	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	80110	47.169	ug/l	94
22) Diisopropyl ether	3.764	45	274400	47.745	ug/l	92
23) Vinyl Acetate	3.721	43	1179393	248.394	ug/l	99
24) 1,1-Dichloroethane	3.599	63	154349	46.726	ug/l	98
25) 2-Butanone	4.562	43	350984	253.209	ug/l	97
26) 2,2-Dichloropropane	4.465	77	128192	47.410	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	107437	49.522	ug/l	96
28) Bromochloromethane	4.891	49	79972	50.892	ug/l	97
29) Tetrahydrofuran	5.007	42	216487	240.326	ug/l	97
30) Chloroform	5.086	83	165613	47.828	ug/l	100
31) Cyclohexane	5.458	56	114348	45.259	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	132895	45.714	ug/l	99
36) 1,1-Dichloropropene	5.678	75	97077	44.823	ug/l	97
37) Ethyl Acetate	4.715	43	130909	49.788	ug/l	97
38) Carbon Tetrachloride	5.666	117	109072	45.579	ug/l	99
39) Methylcyclohexane	7.373	83	129506	48.163	ug/l	98
40) Benzene	6.031	78	344839	47.728	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	69757	50.543	ug/l		95
42) 1,2-Dichloroethane	6.080	62	121452	46.758	ug/l		97
43) Isopropyl Acetate	6.342	43	209353	48.146	ug/l		98
44) Trichloroethene	7.117	130	87016	48.479	ug/l		94
45) 1,2-Dichloropropane	7.421	63	85671	48.156	ug/l		99
46) Dibromomethane	7.574	93	66672	48.673	ug/l		96
47) Bromodichloromethane	7.818	83	123136	51.242	ug/l		99
48) Methyl methacrylate	7.690	41	101279	49.127	ug/l		95
49) 1,4-Dioxane	7.665	88	35094	828.559	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	657274	248.002	ug/l		98
52) Toluene	8.714	92	218703	49.912	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	131592	50.985	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	141165	51.333	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	93459	51.241	ug/l		99
56) Ethyl methacrylate	9.116	69	149715	50.517	ug/l		93
57) 1,3-Dichloropropane	9.305	76	152310	50.209	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	387207	269.768	ug/l		97
59) 2-Hexanone	9.433	43	502607	249.695	ug/l		96
60) Dibromochloromethane	9.519	129	96239	53.286	ug/l		98
61) 1,2-Dibromoethane	9.610	107	95281	50.325	ug/l		98
64) Tetrachloroethene	9.269	164	71453	47.505	ug/l		97
65) Chlorobenzene	10.079	112	246845	47.976	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	84757	50.433	ug/l		98
67) Ethyl Benzene	10.189	91	394382	47.008	ug/l		99
68) m/p-Xylenes	10.299	106	312586	97.427	ug/l		96
69) o-Xylene	10.640	106	158887	49.288	ug/l		97
70) Styrene	10.653	104	272620	50.882	ug/l		99
71) Bromoform	10.799	173	63250	52.344	ug/l	#	99
73) Isopropylbenzene	10.957	105	381714	46.585	ug/l		99
74) N-amyl acetate	10.841	43	182532	45.729	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	141135	47.900	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	155491	62.869	ug/l		81
77) Bromobenzene	11.195	156	102861	48.616	ug/l		97
78) n-propylbenzene	11.305	91	429391	48.063	ug/l		99
79) 2-Chlorotoluene	11.360	91	273511	46.169	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	322893	47.262	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	44246	49.216	ug/l		94
82) 4-Chlorotoluene	11.451	91	316271	47.565	ug/l		96
83) tert-Butylbenzene	11.713	119	325979	46.916	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	336881	48.385	ug/l		96
85) sec-Butylbenzene	11.890	105	388641	47.720	ug/l		98
86) p-Isopropyltoluene	12.006	119	335157	48.414	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	188015	49.579	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	187678	47.762	ug/l		99
89) n-Butylbenzene	12.329	91	283231	50.210	ug/l		99
90) Hexachloroethane	12.536	117	55596	49.441	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	194011	50.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28504	47.454	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	122941	52.231	ug/l		99
94) Hexachlorobutadiene	13.725	225	43330	49.928	ug/l		97
95) Naphthalene	13.774	128	461342	51.219	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126305	50.894	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

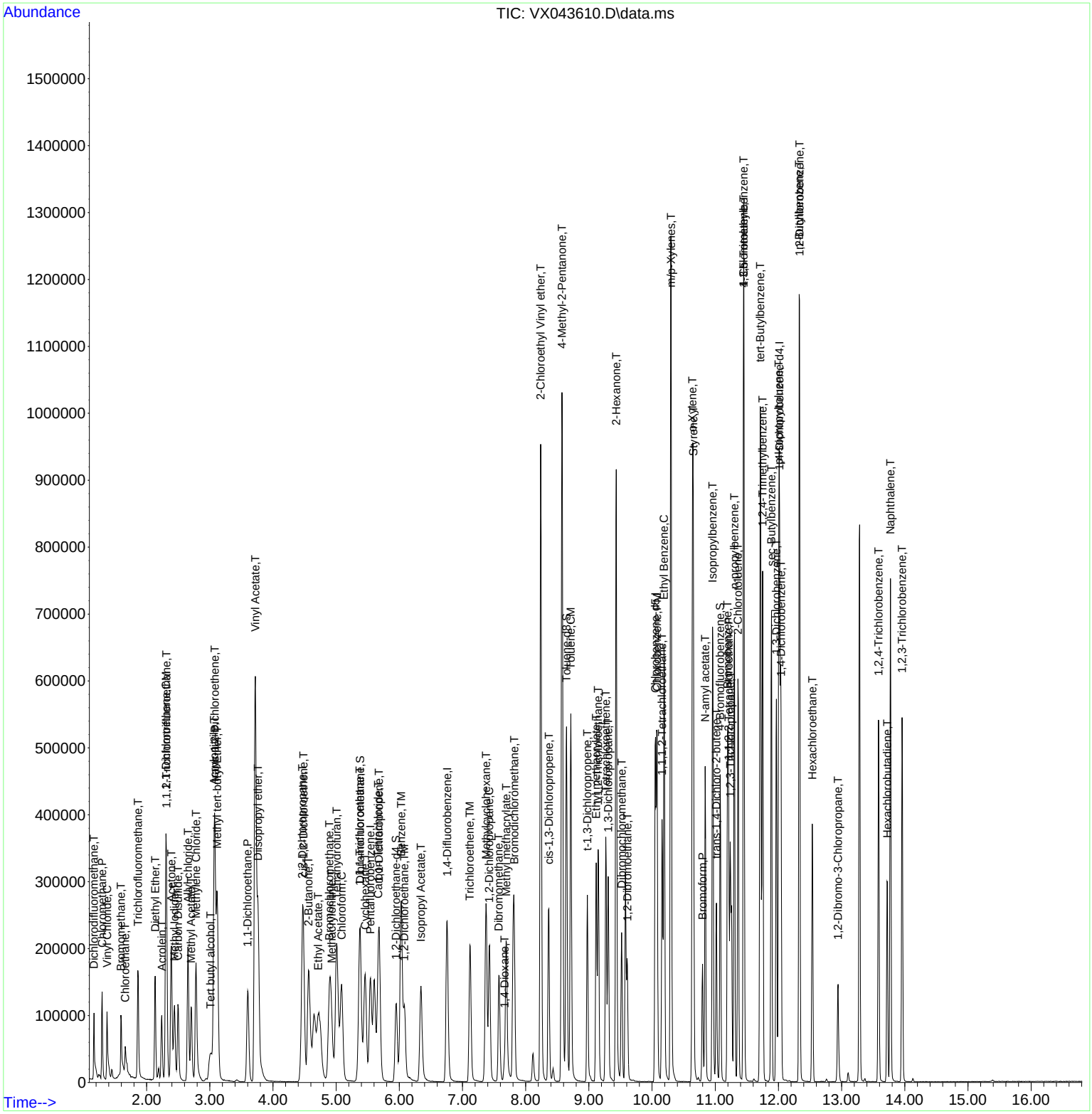
(#) = qualifier out of range (m) = manual integration (+) = signals summed

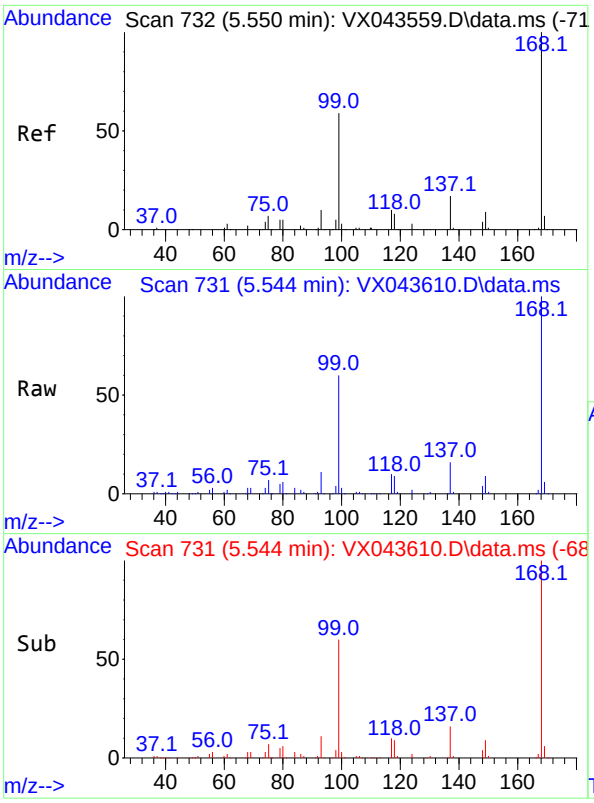
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



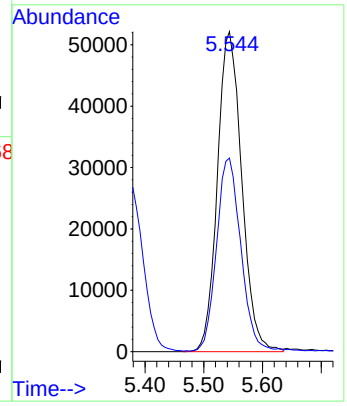


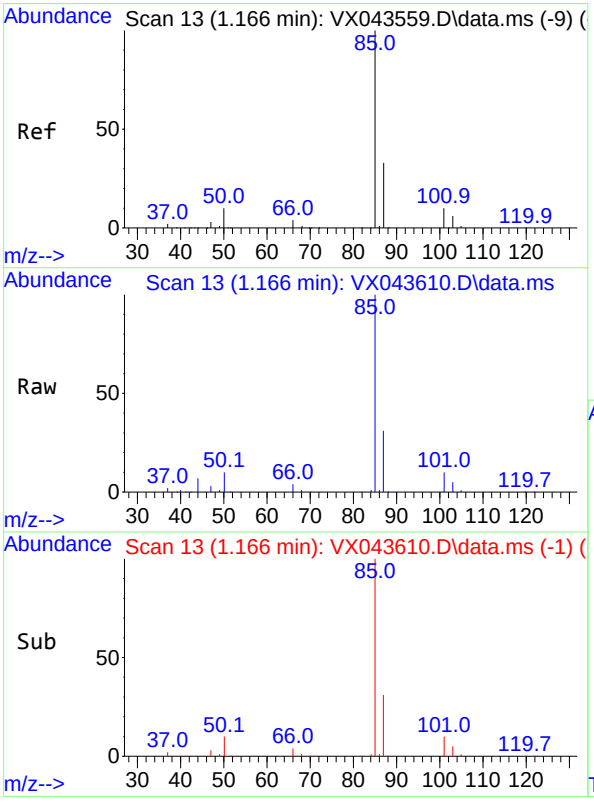
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 150073

Ion	Ratio	Lower	Upper
168	100		
99	60.3	52.6	78.8

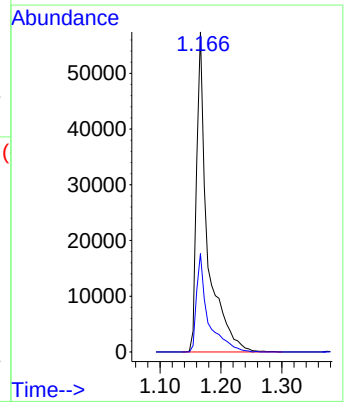


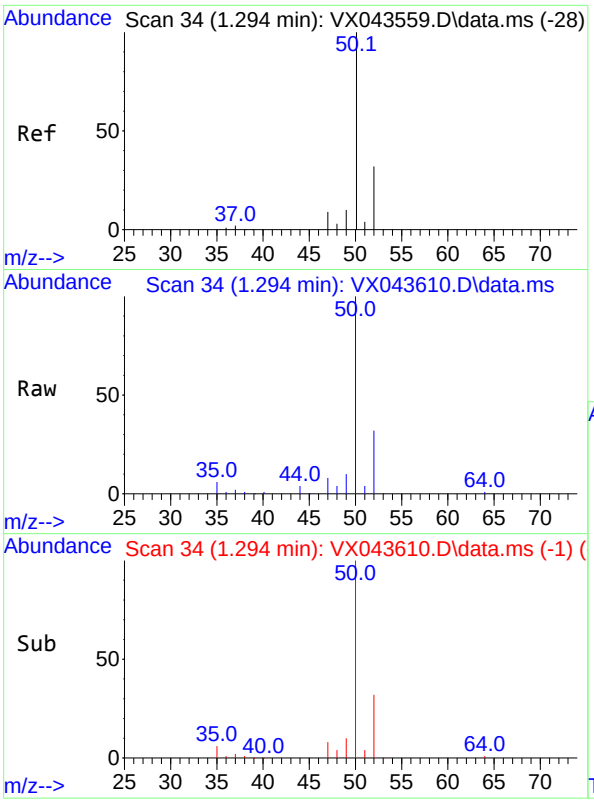


#2
Dichlorodifluoromethane
Concen: 44.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 85 Resp: 71574

Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.7	47.0



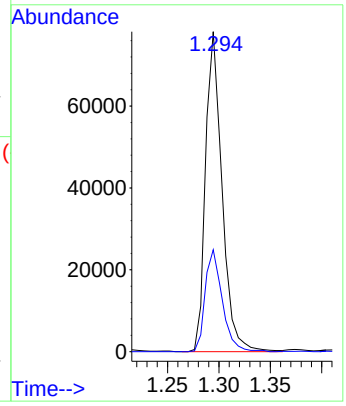


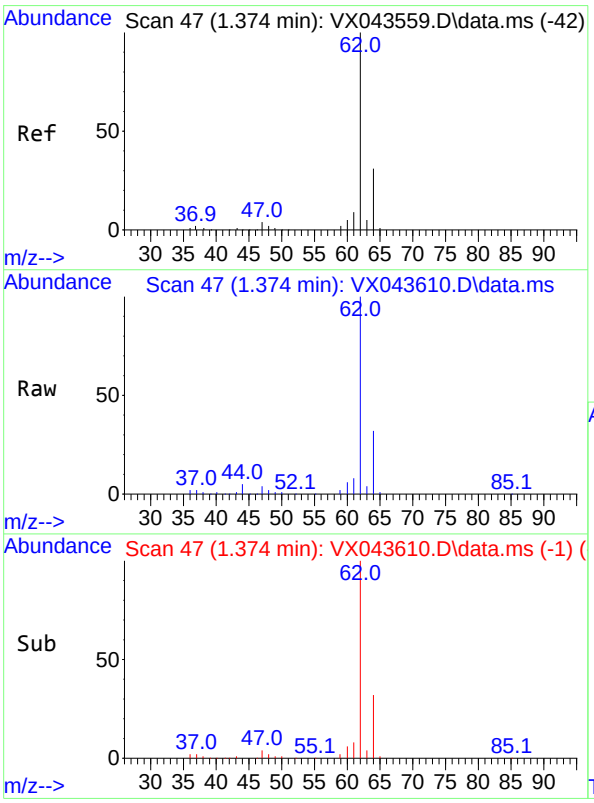
#3
Chloromethane
Concen: 42.698 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 87599

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.3	39.5

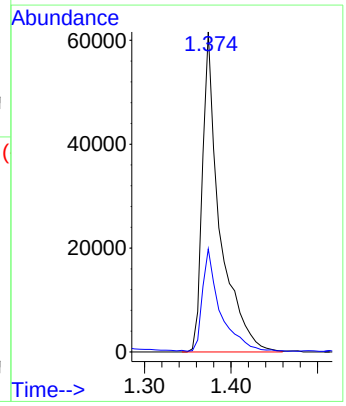


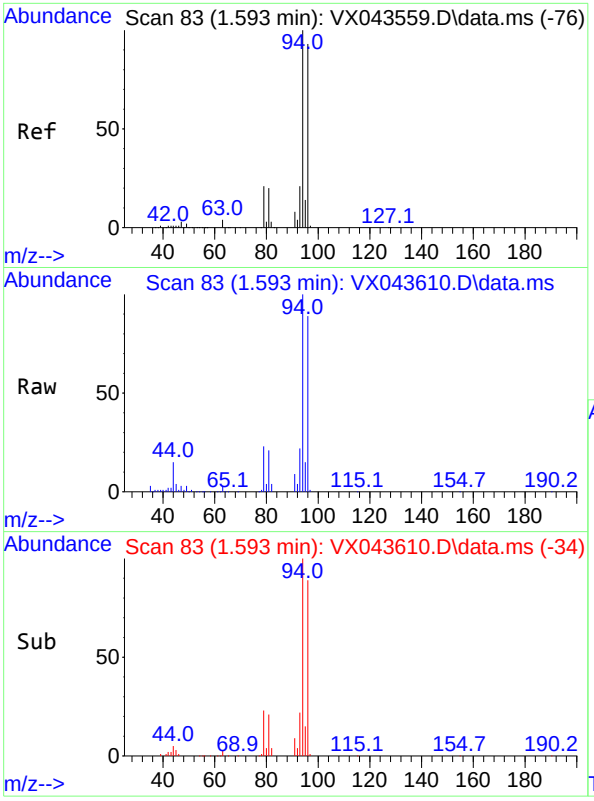


#4
Vinyl Chloride
Concen: 45.006 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 62 Resp: 85695

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.0	37.4



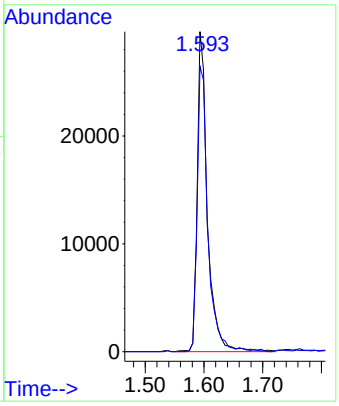


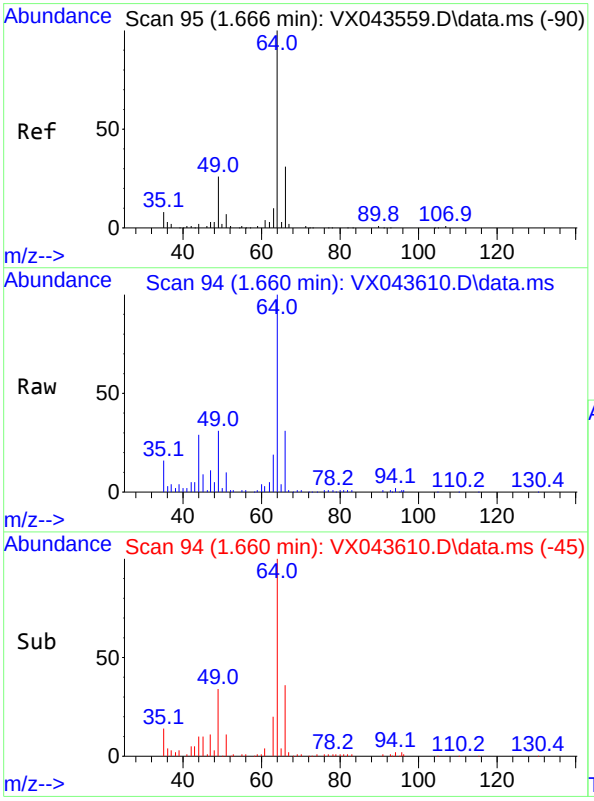
#5
Bromomethane
Concen: 45.750 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 35512

Ion	Ratio	Lower	Upper
94	100		
96	89.2	75.9	113.9

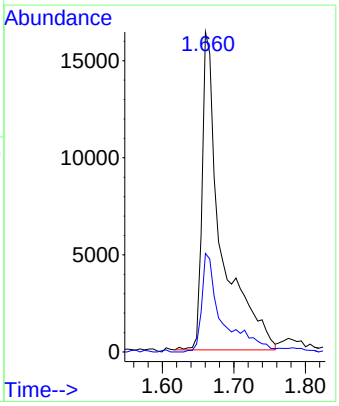


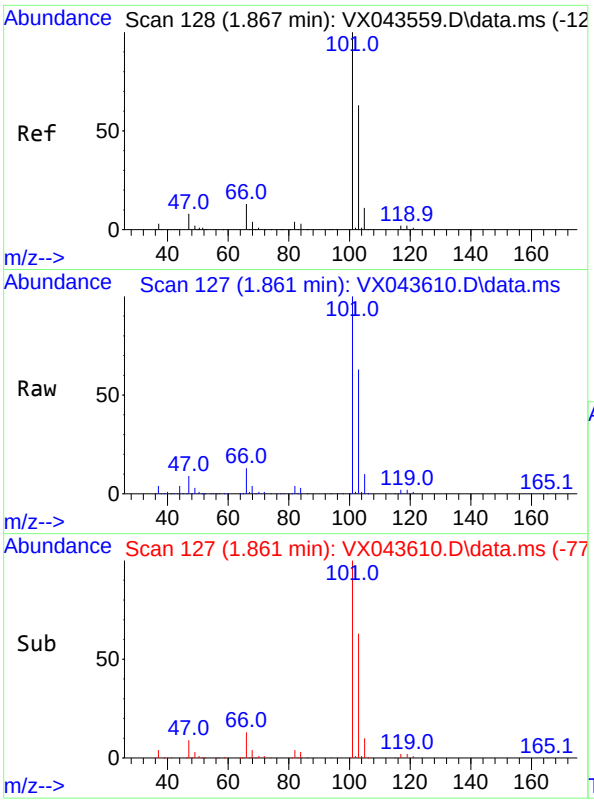


#6
Chloroethane
Concen: 45.446 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 64 Resp: 30486

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.1	37.7



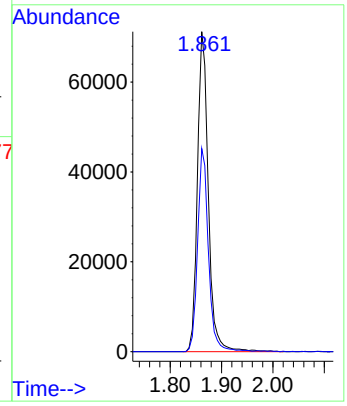


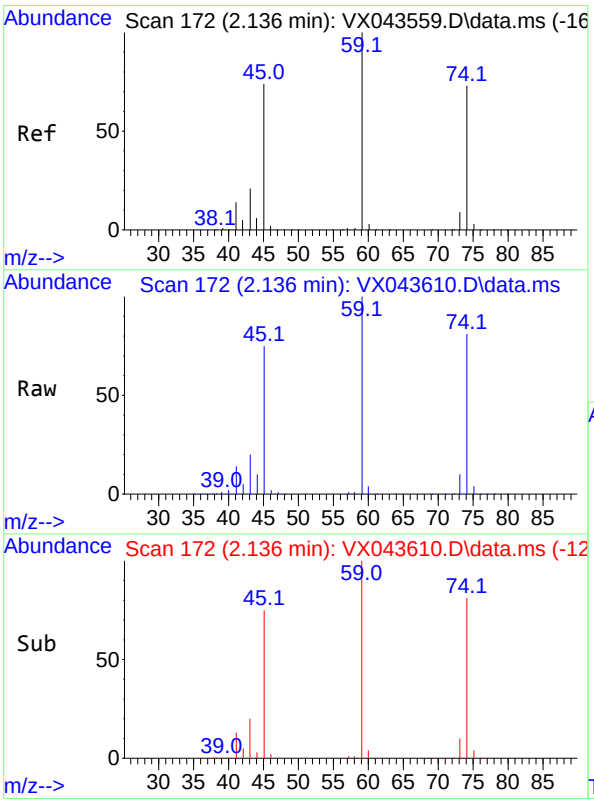
#7
Trichlorofluoromethane
Concen: 45.021 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 104723

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.3	76.9

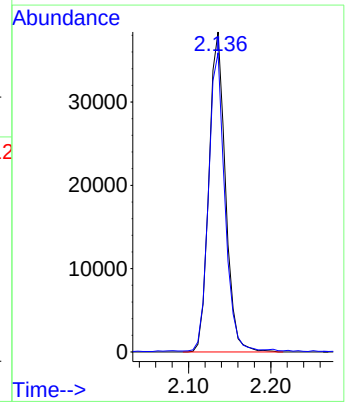


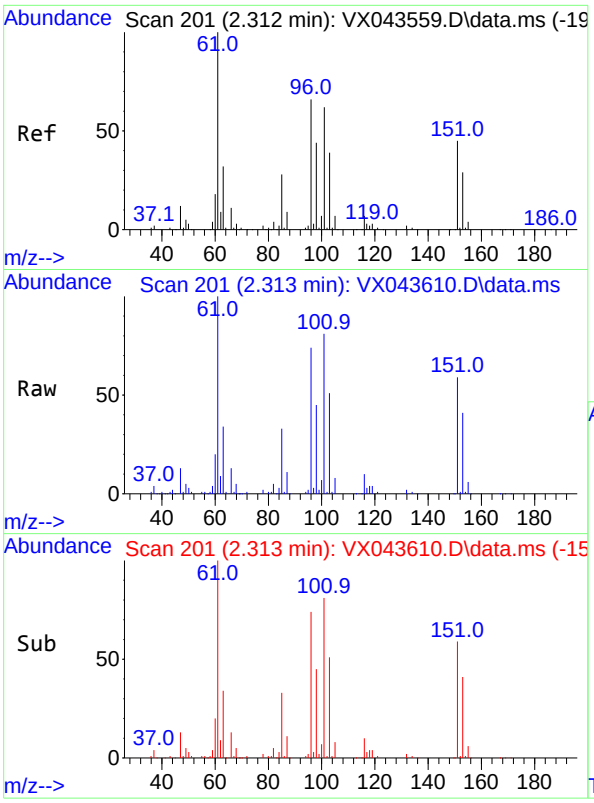


#8
Diethyl Ether
Concen: 49.770 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 74 Resp: 53489

Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.5	142.5



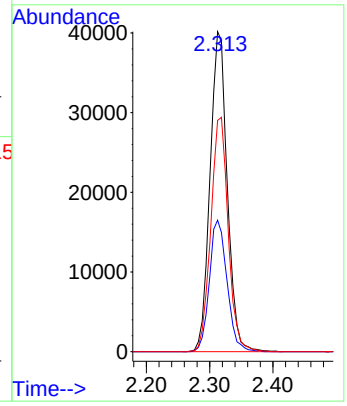


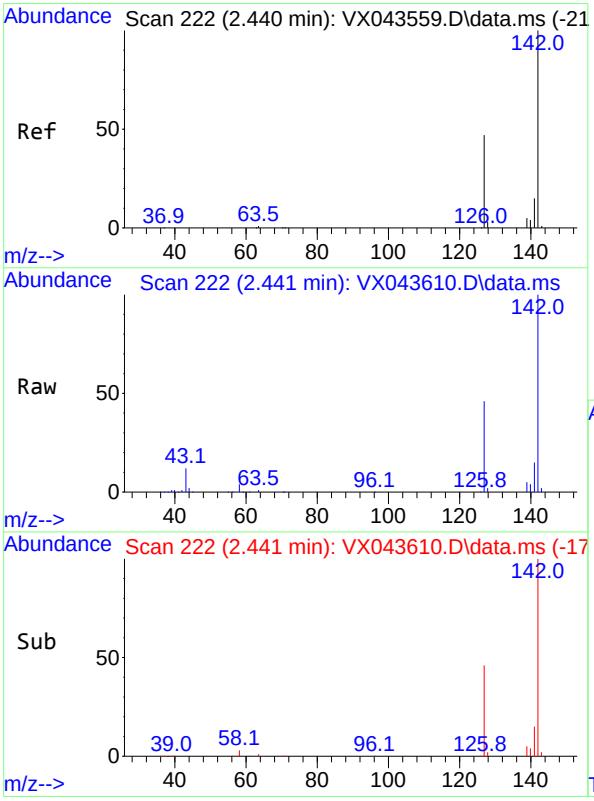
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.361 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 76076

Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.5	51.7
151	74.1	58.2	87.2

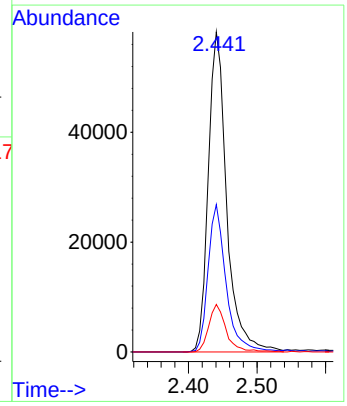


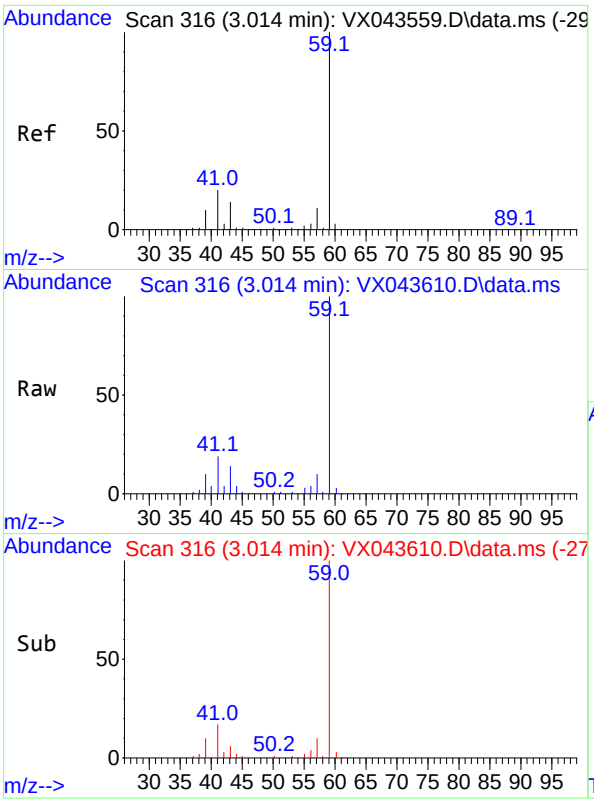


#10
Methyl Iodide
Concen: 47.890 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:142 Resp: 108842

Ion	Ratio	Lower	Upper
142	100		
127	45.1	38.2	57.4
141	14.2	11.5	17.3



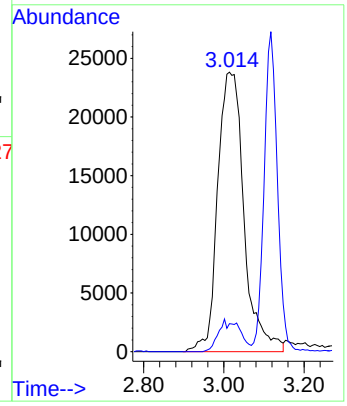


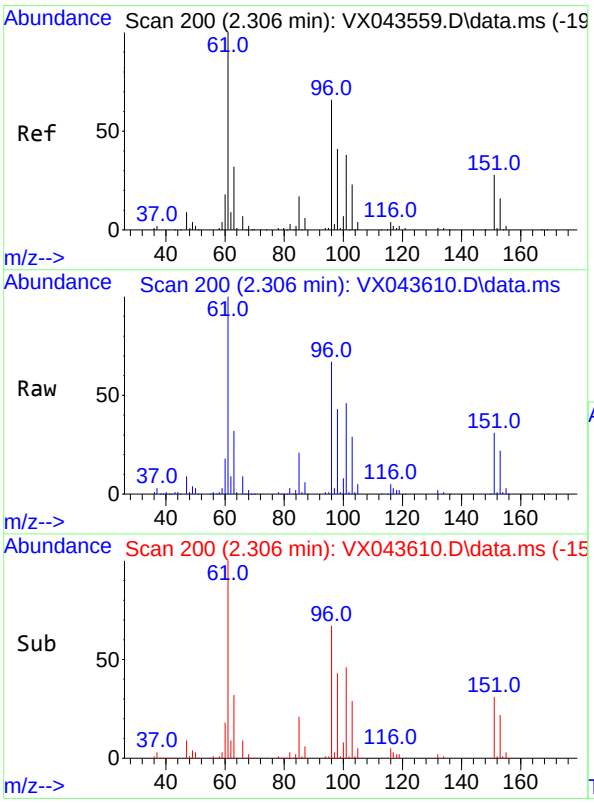
#11
Tert butyl alcohol
Concen: 242.814 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.036 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 108451

Ion	Ratio	Lower	Upper
59	100		
57	4.1	0.0	0.0#

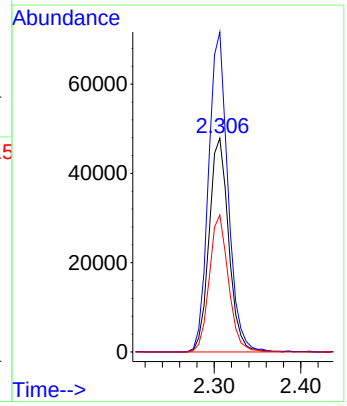


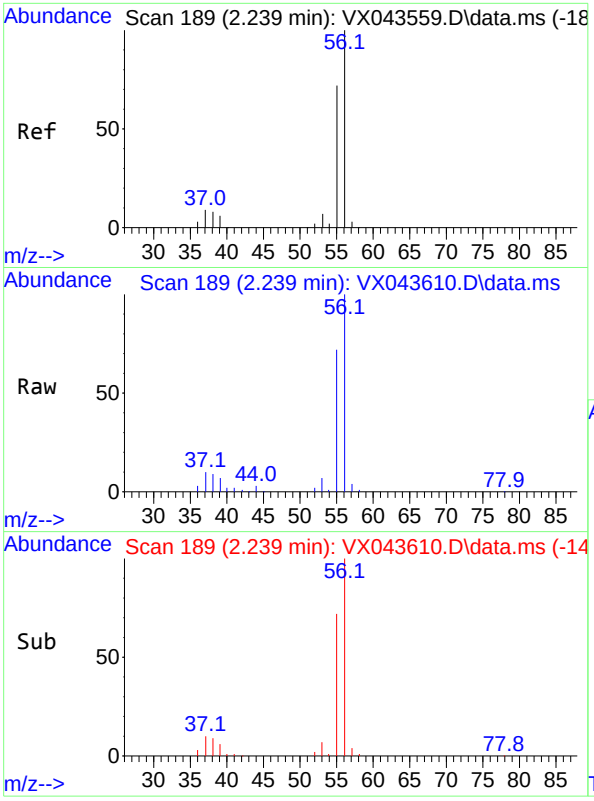


#12
1,1-Dichloroethene
Concen: 46.775 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 96 Resp: 75194

Ion	Ratio	Lower	Upper
96	100		
61	149.7	130.2	195.4
98	64.1	51.0	76.6



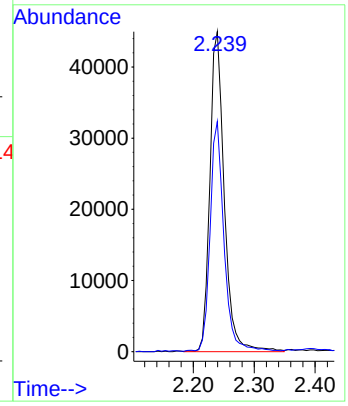


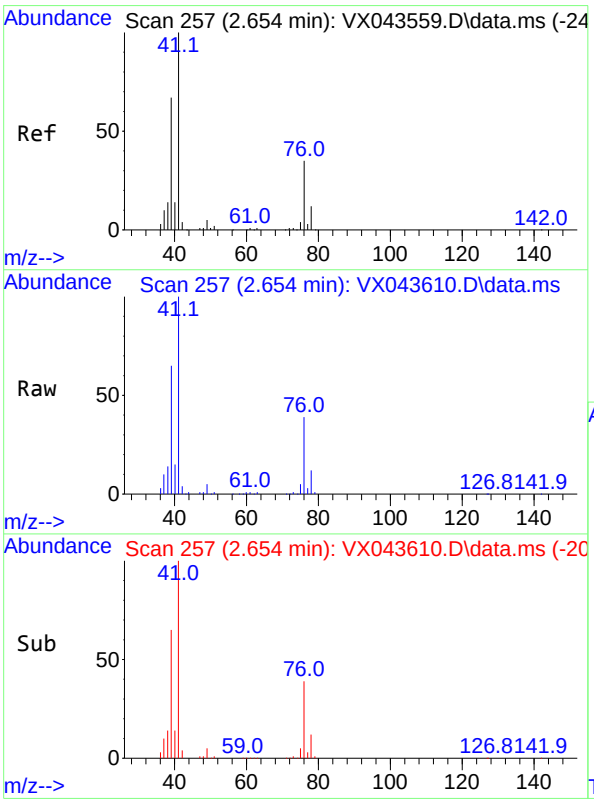
#13
Acrolein
Concen: 211.927 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 74024

Ion	Ratio	Lower	Upper
56	100		
55	68.7	55.3	82.9

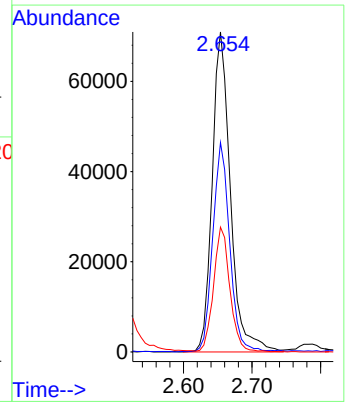


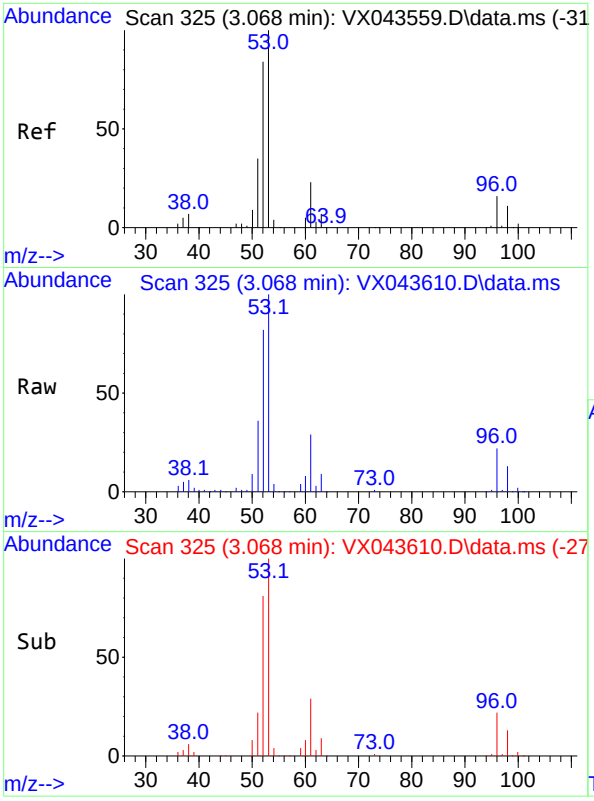


#14
Allyl chloride
Concen: 47.217 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 41 Resp: 131287

Ion	Ratio	Lower	Upper
41	100		
39	61.3	53.2	79.8
76	35.2	27.0	40.6



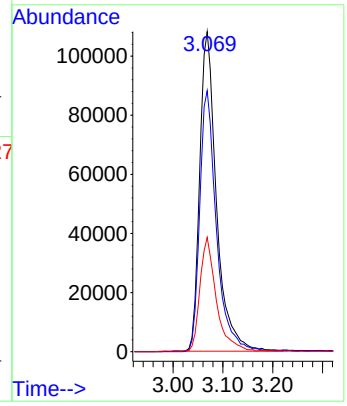


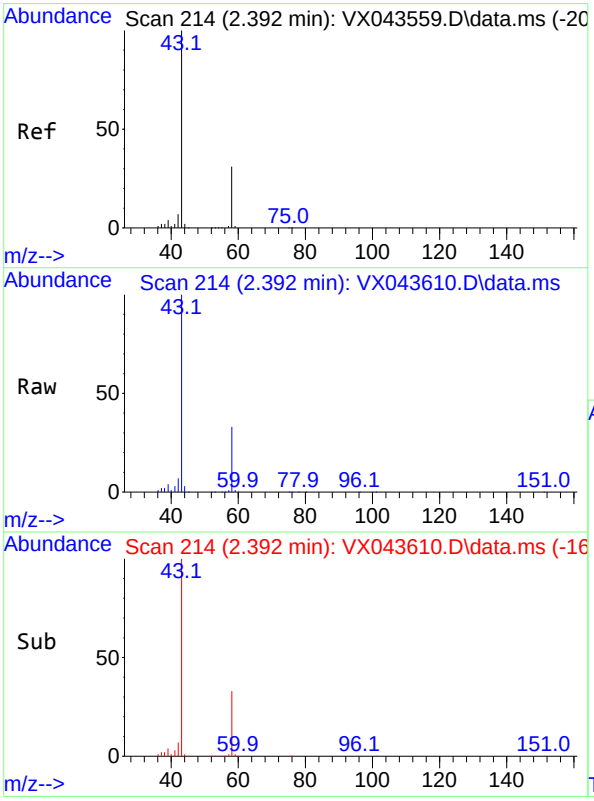
#15
Acrylonitrile
Concen: 250.451 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 252559

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.6
51	34.3	28.5	42.7

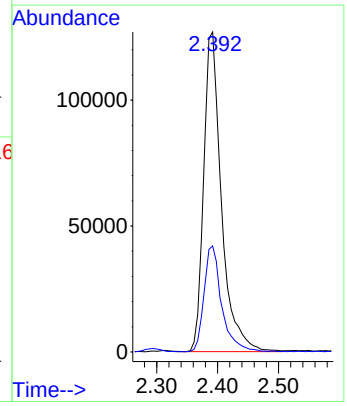


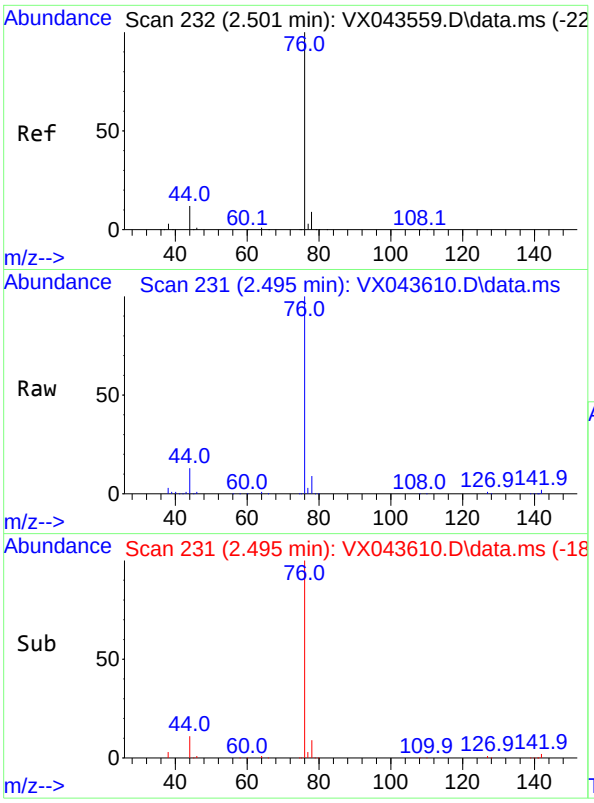


#16
Acetone
Concen: 270.728 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 257260

Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.1	37.7



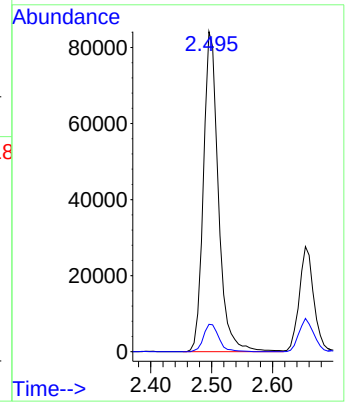


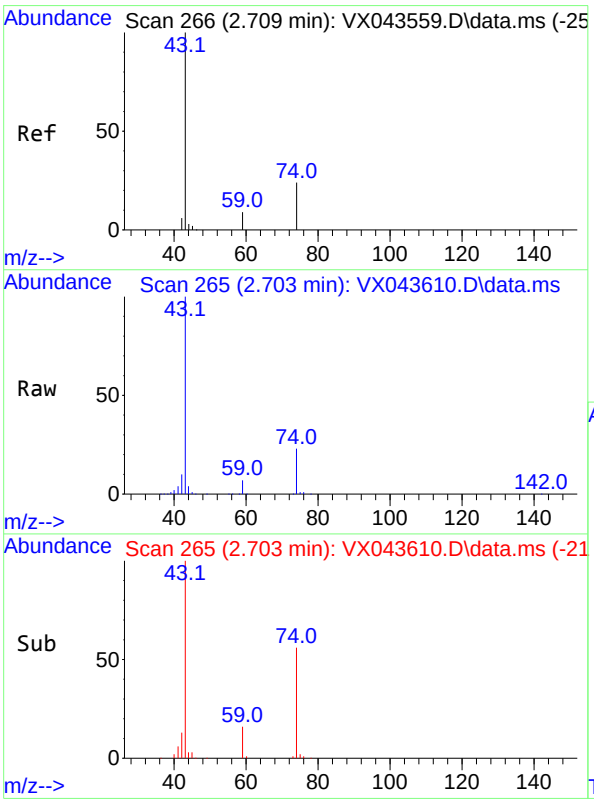
#17
Carbon Disulfide
Concen: 42.711 ug/l
RT: 2.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 143574

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

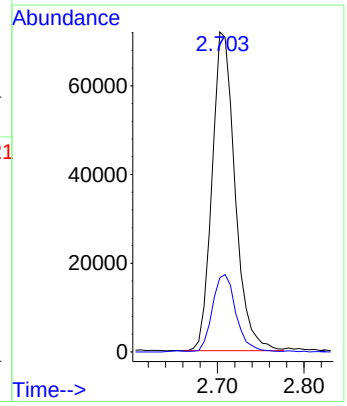


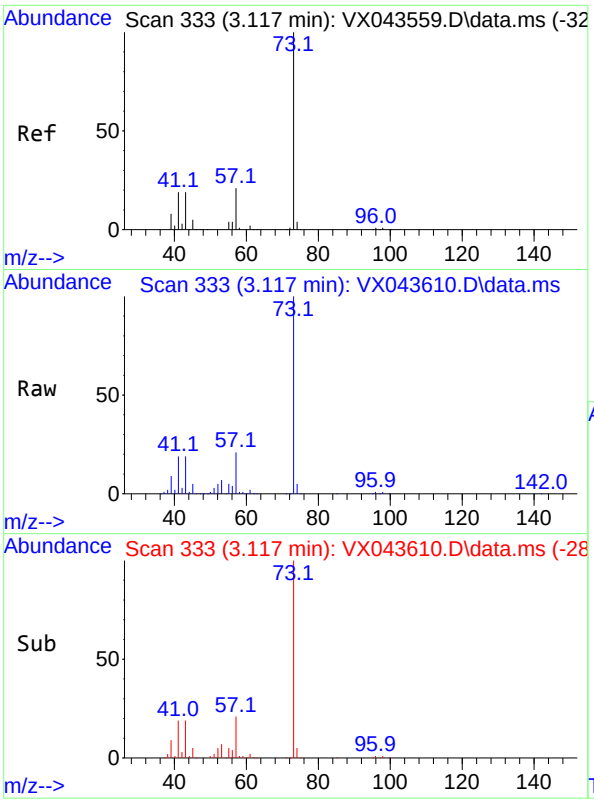


#18
Methyl Acetate
Concen: 47.636 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 132295

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.1	28.7



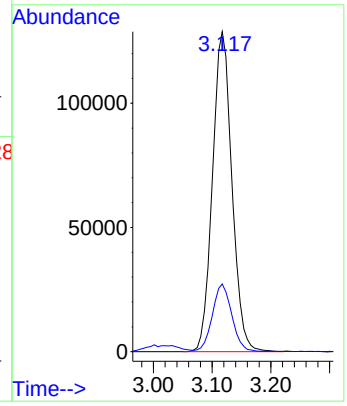


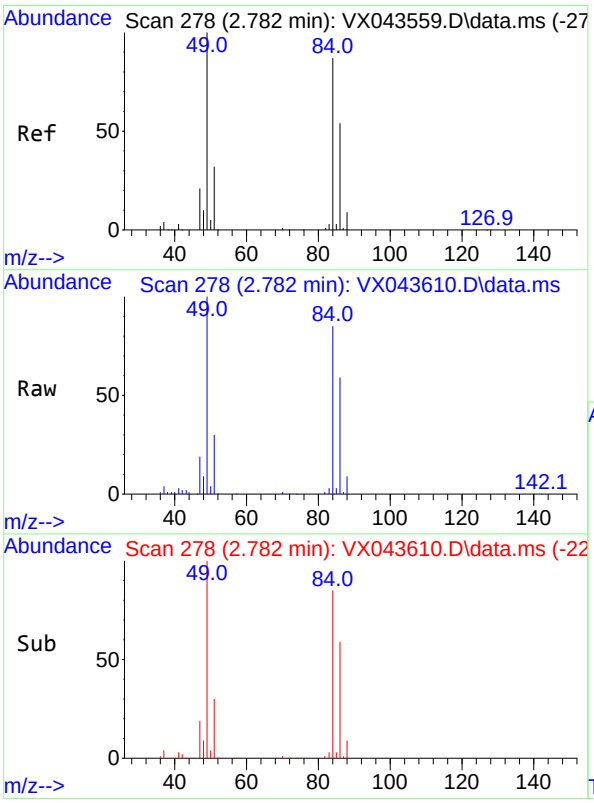
#19
Methyl tert-butyl Ether
Concen: 48.412 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 295972

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5

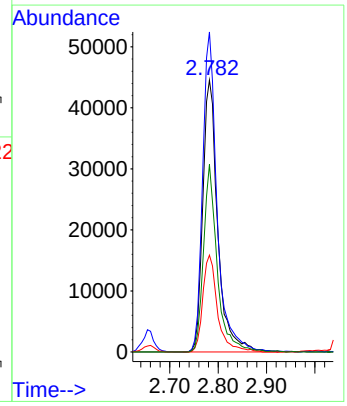


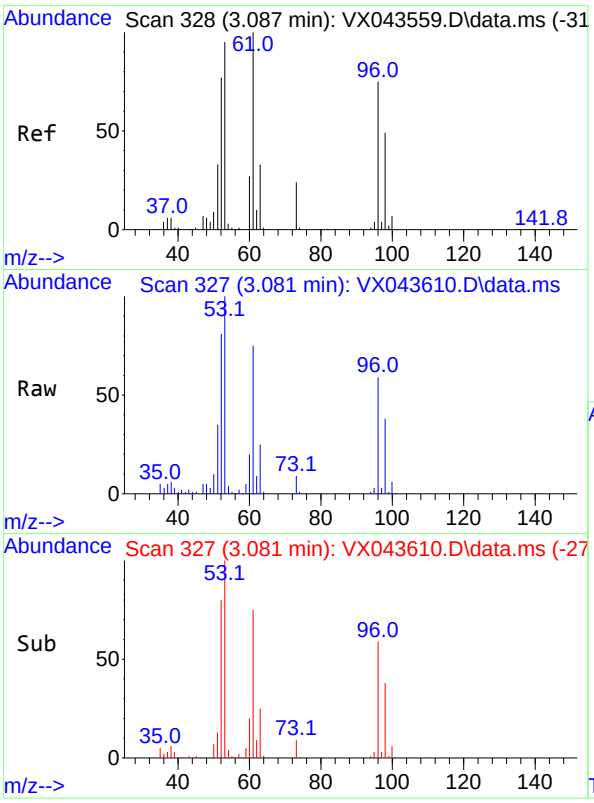


#20
Methylene Chloride
Concen: 46.641 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 84 Resp: 95520

Ion	Ratio	Lower	Upper
84	100		
49	117.7	97.0	145.6
51	35.6	29.8	44.8
86	69.0	53.1	79.7



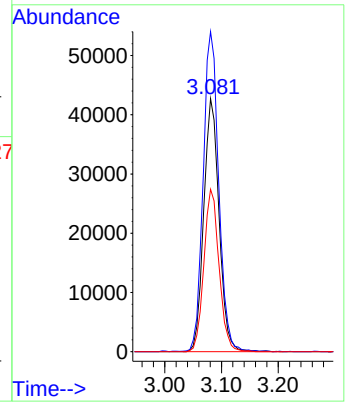


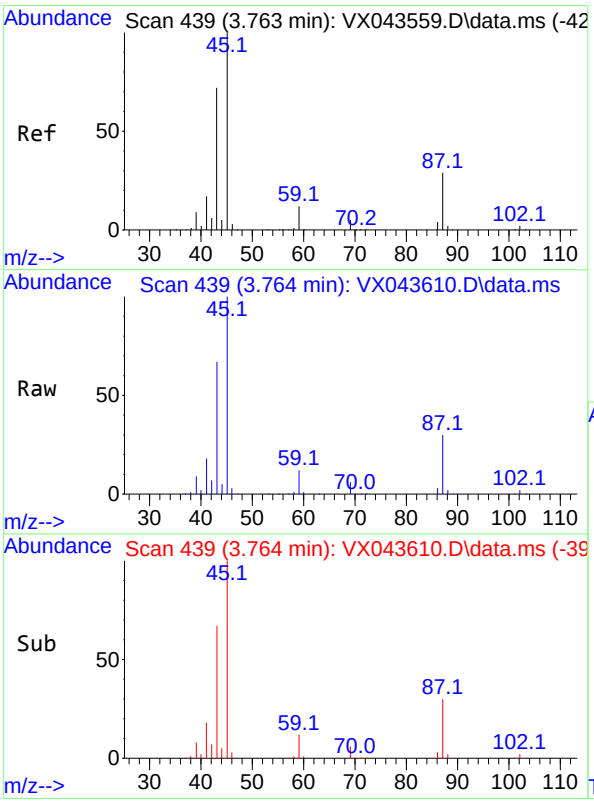
#21
trans-1,2-Dichloroethene
Concen: 47.169 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 80110

Ion	Ratio	Lower	Upper
96	100		
61	126.4	107.1	160.7
98	64.2	47.7	71.5

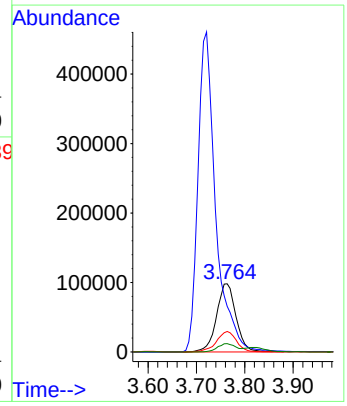


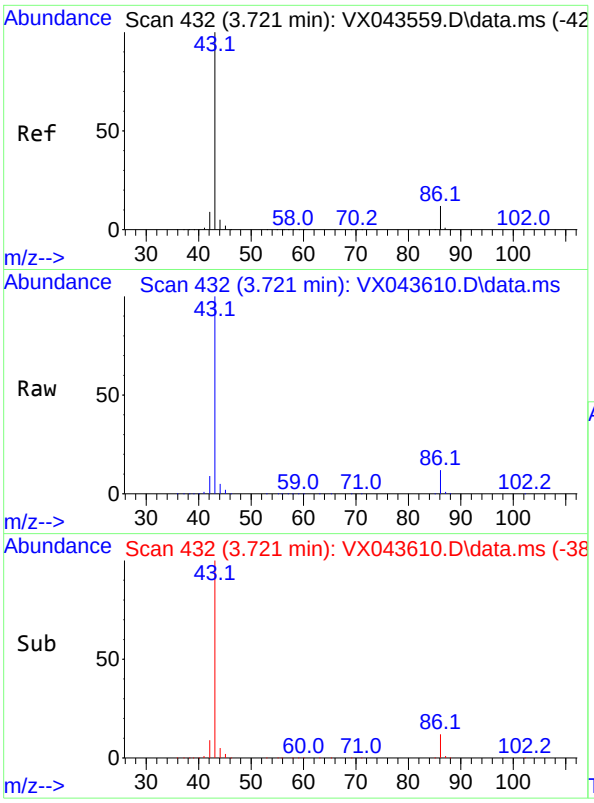


#22
Diisopropyl ether
Concen: 47.745 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 45 Resp: 274400

Ion	Ratio	Lower	Upper
45	100		
43	66.6	60.6	90.8
87	30.2	22.0	33.0
59	12.2	9.5	14.3



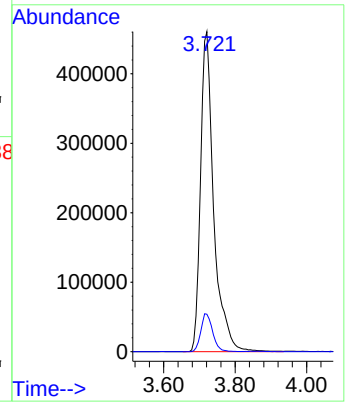


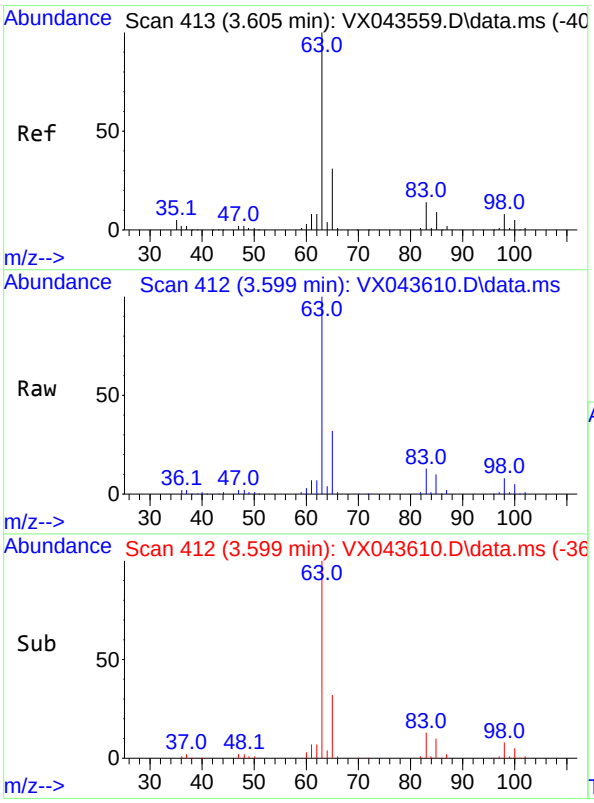
#23
Vinyl Acetate
Concen: 248.394 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1179393

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.4

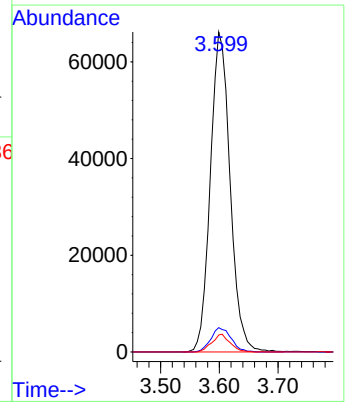


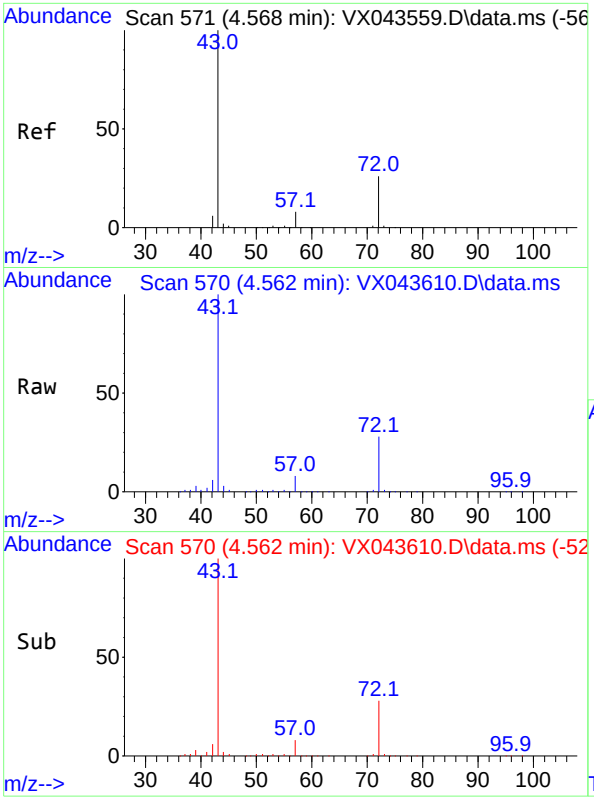


#24
1,1-Dichloroethane
Concen: 46.726 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 63 Resp: 154349

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	5.3	2.4	7.2



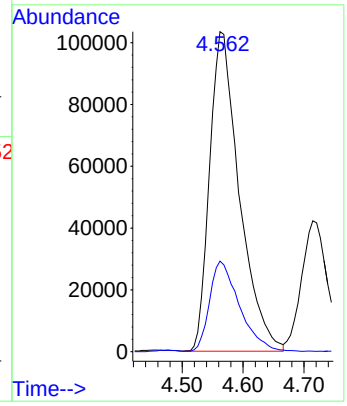


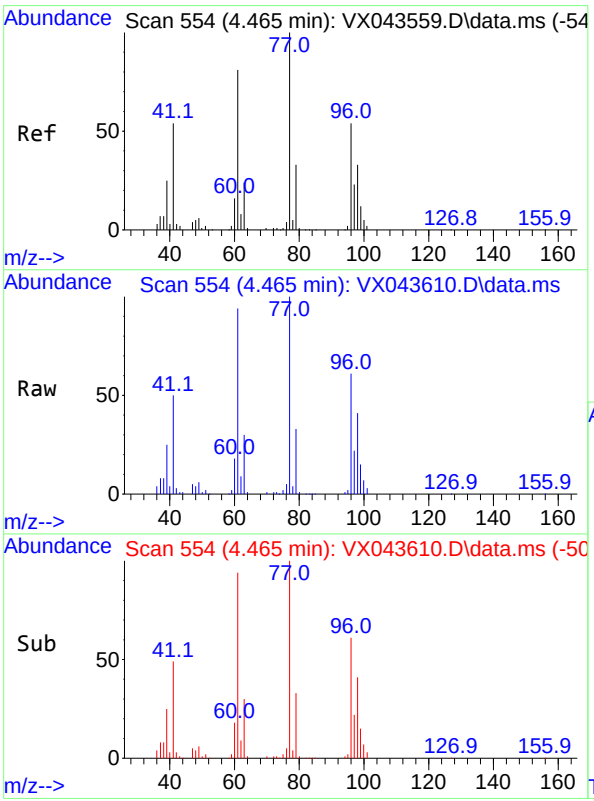
#25
2-Butanone
Concen: 253.209 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 350984

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.1	31.7

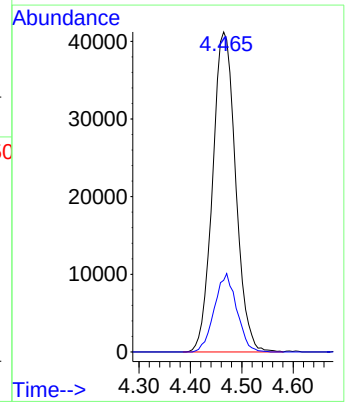


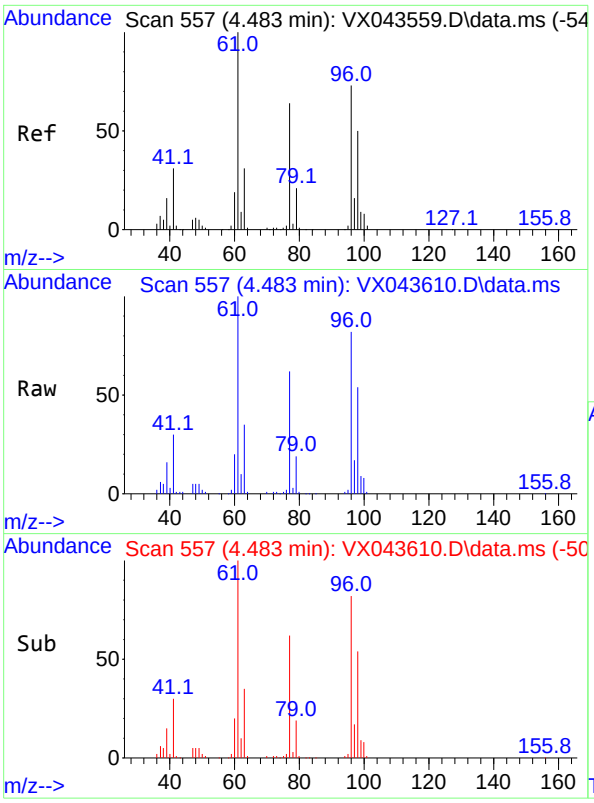


#26
2,2-Dichloropropane
Concen: 47.410 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 77 Resp: 128192

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8



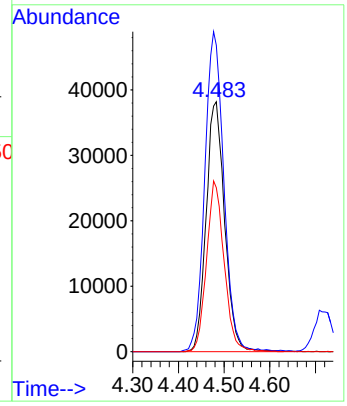


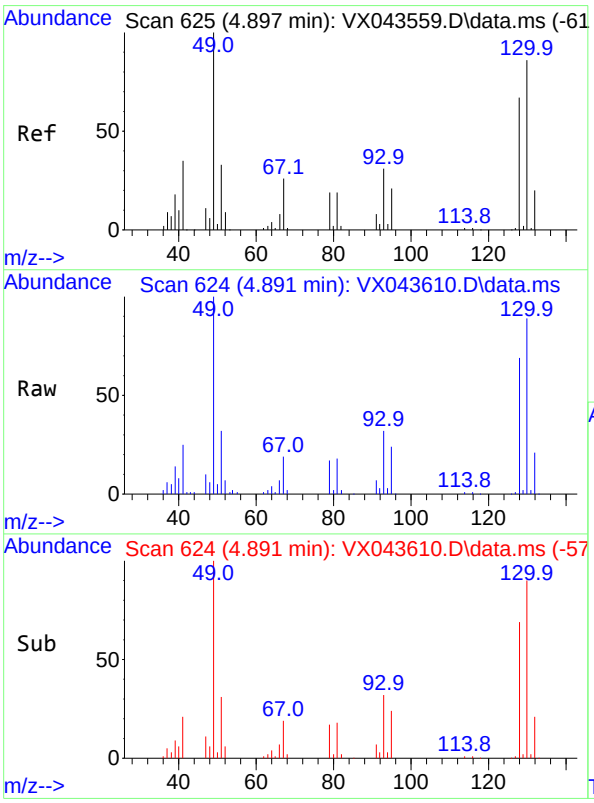
#27
cis-1,2-Dichloroethene
Concen: 49.522 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 107437

Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	277.2
98	64.8	0.0	131.6

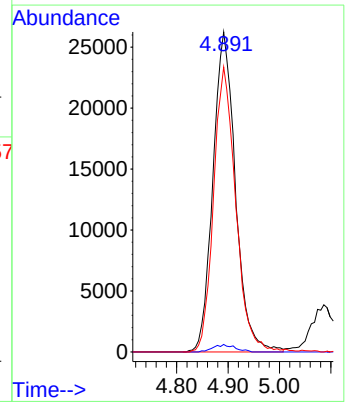


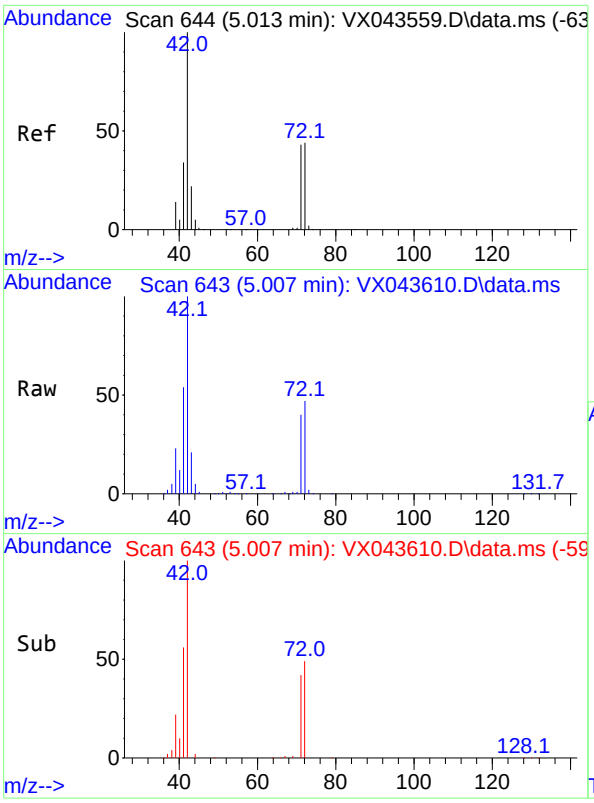


#28
Bromochloromethane
Concen: 50.892 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 49 Resp: 79972

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	87.6	67.8	101.8



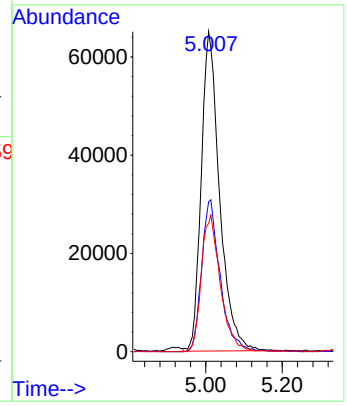


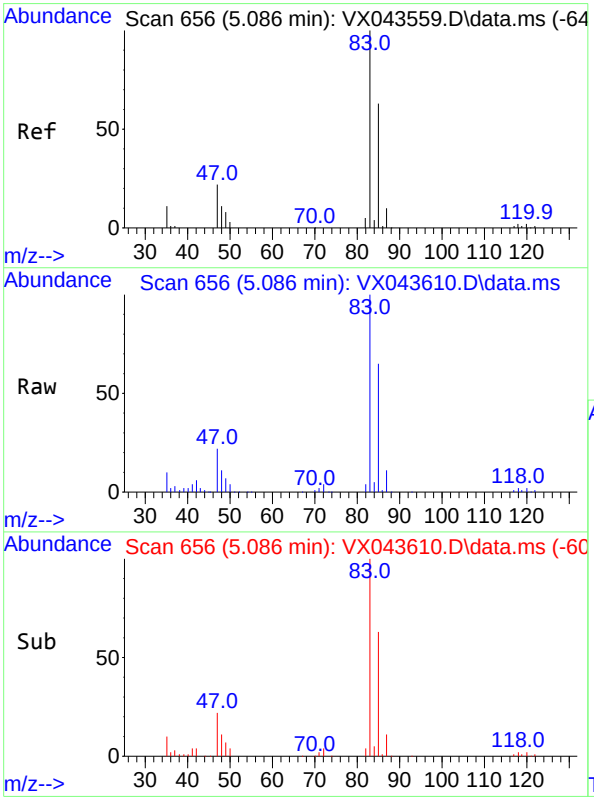
#29
Tetrahydrofuran
Concen: 240.326 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 216487

Ion	Ratio	Lower	Upper
42	100		
72	48.1	36.6	55.0
71	44.2	34.2	51.4

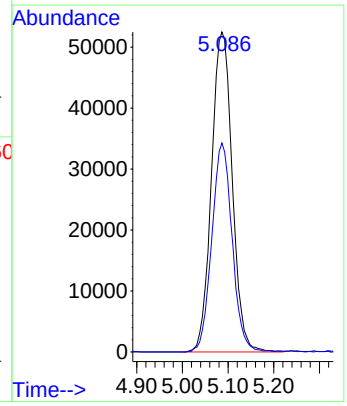


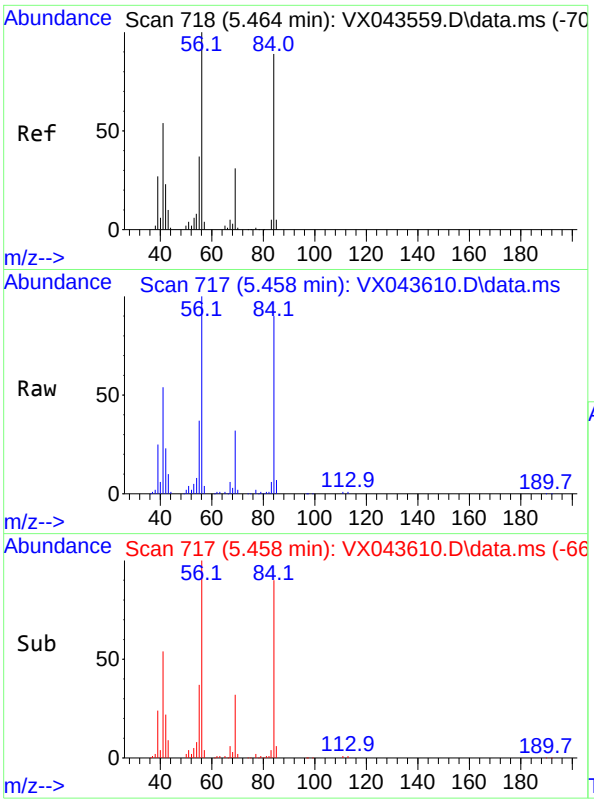


#30
Chloroform
Concen: 47.828 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 83 Resp: 165613

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4



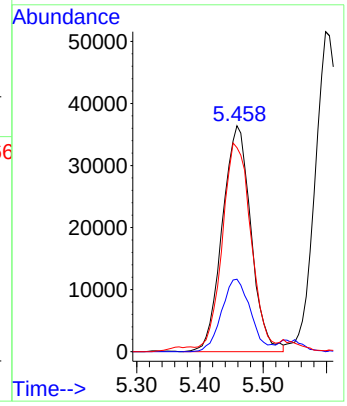


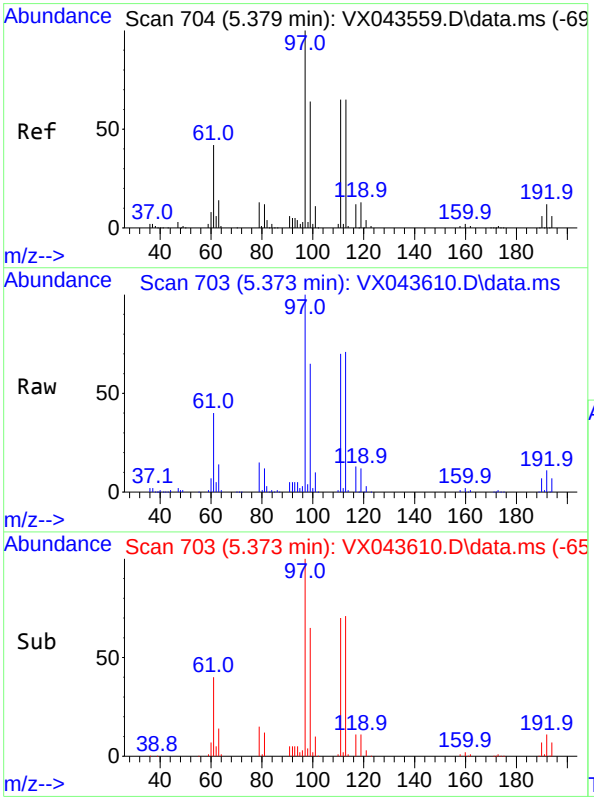
#31
Cyclohexane
Concen: 45.259 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 114348

Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.9	37.3
84	88.5	73.3	109.9

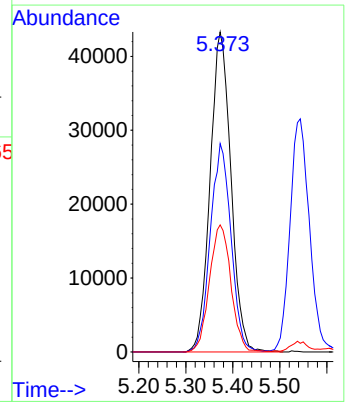


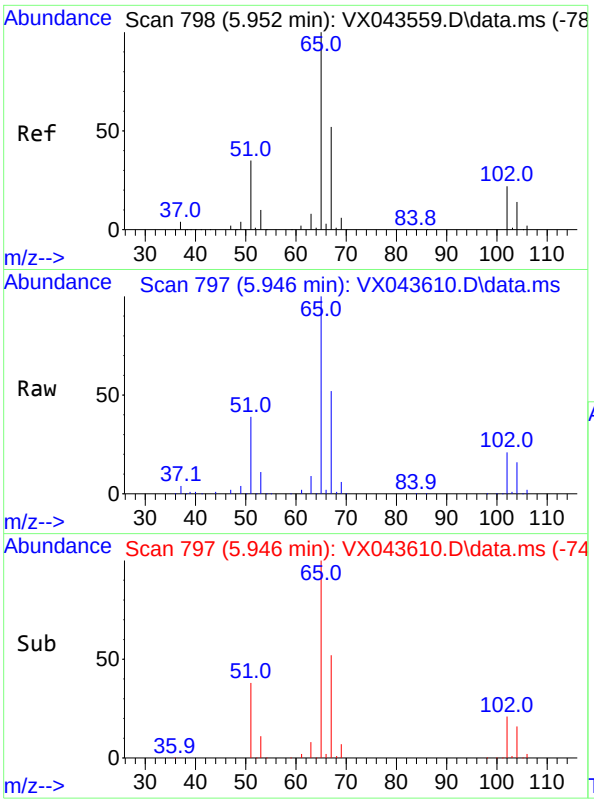


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 97 Resp: 132895

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	41.0	34.0	51.0



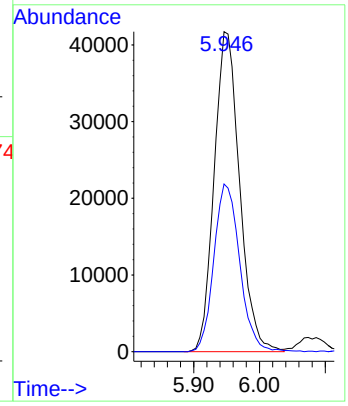


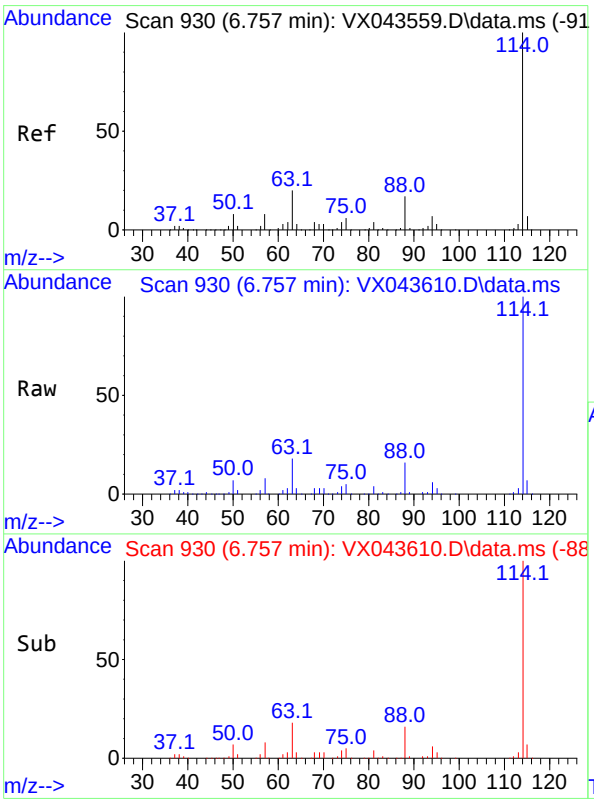
#33
1,2-Dichloroethane-d4
Concen: 46.889 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 112202

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4

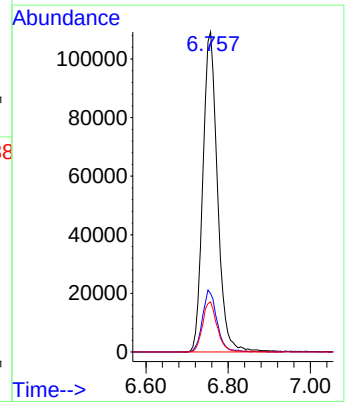


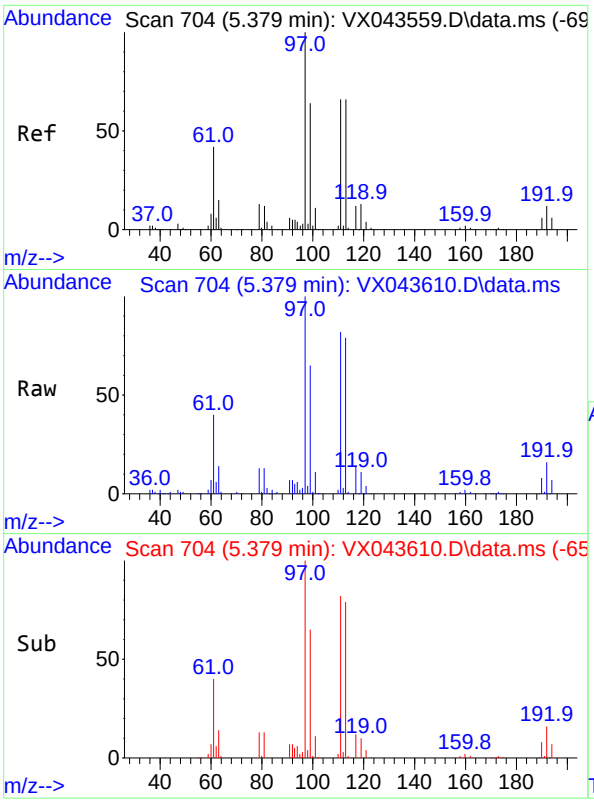


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:114 Resp: 269353

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	41.2
88	15.7	0.0	34.0



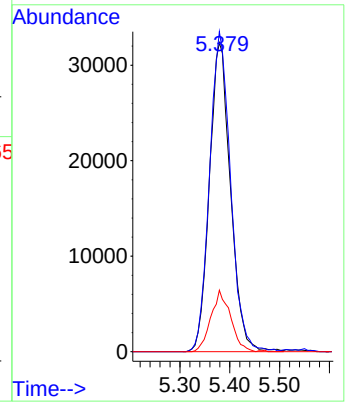


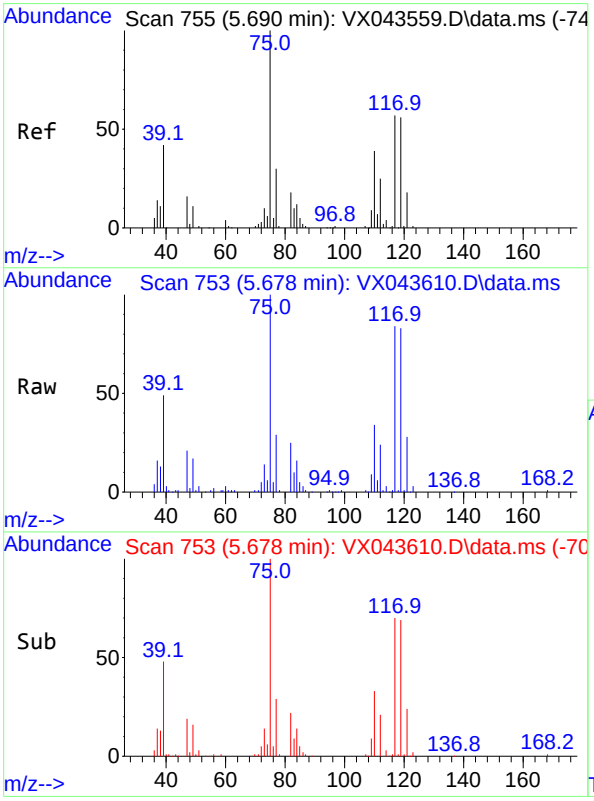
#35
Dibromofluoromethane
Concen: 51.966 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 94915

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.0
192	18.6	14.1	21.1

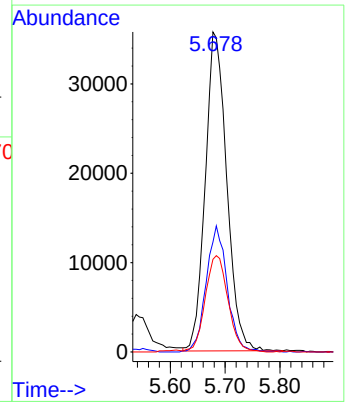


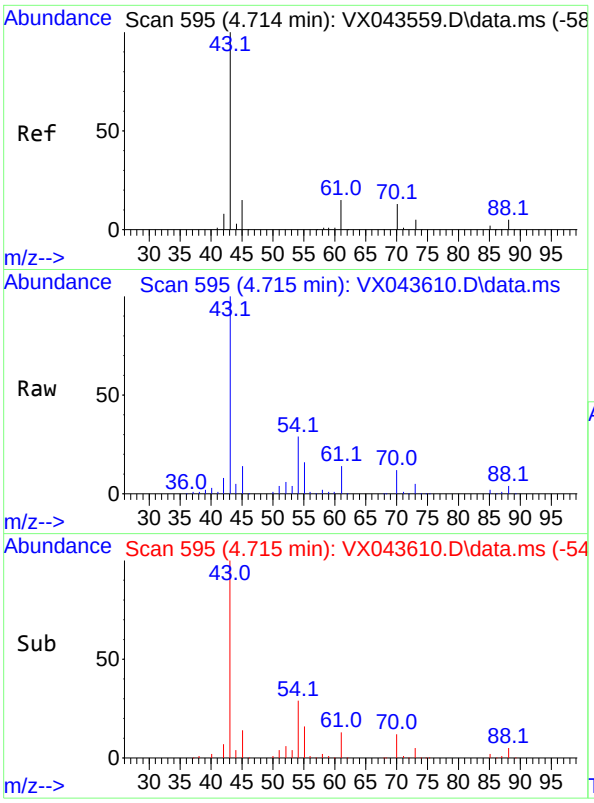


#36
1,1-Dichloropropene
Concen: 44.823 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 97077

Ion	Ratio	Lower	Upper
75	100		
110	38.7	17.9	53.7
77	32.0	25.0	37.4



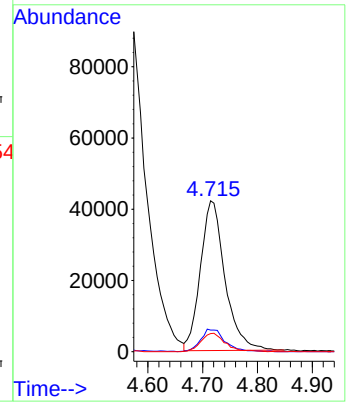


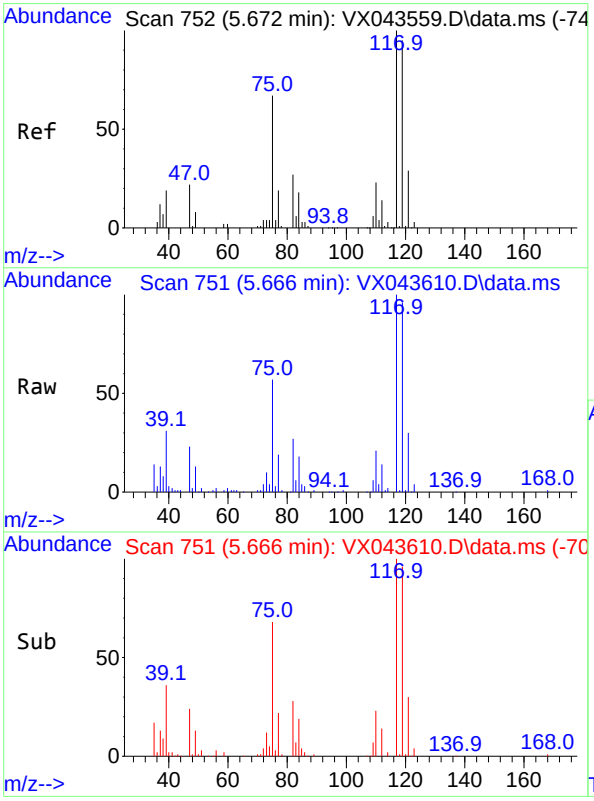
#37
Ethyl Acetate
Concen: 49.788 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 130909

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.6
70	12.1	8.9	13.3

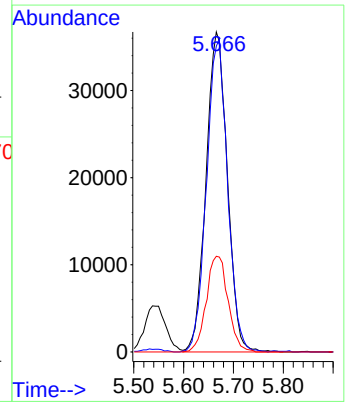


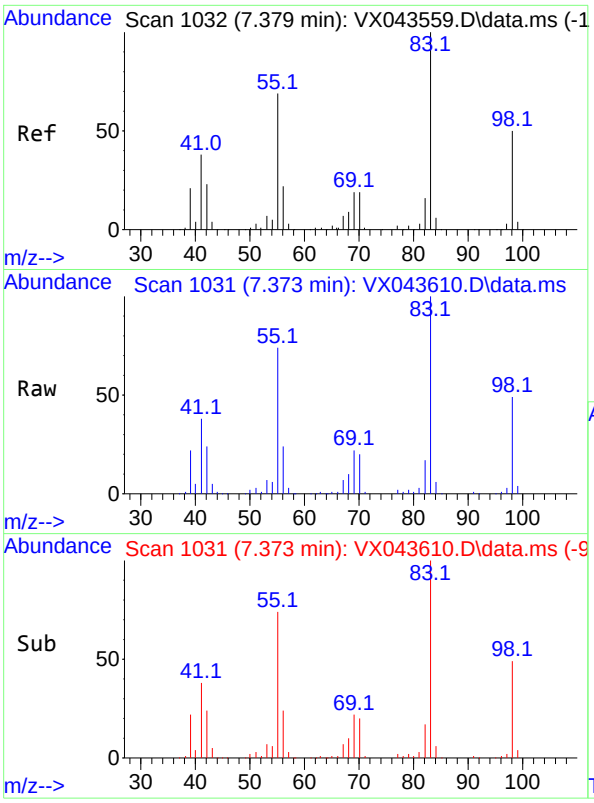


#38
Carbon Tetrachloride
Concen: 45.579 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:117 Resp: 109072

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.6
121	29.9	24.7	37.1



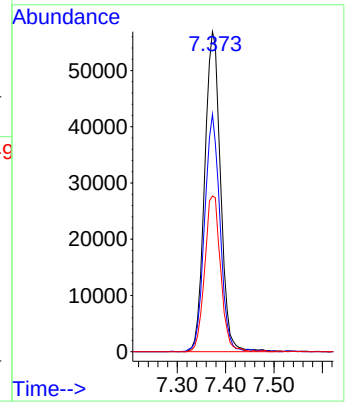


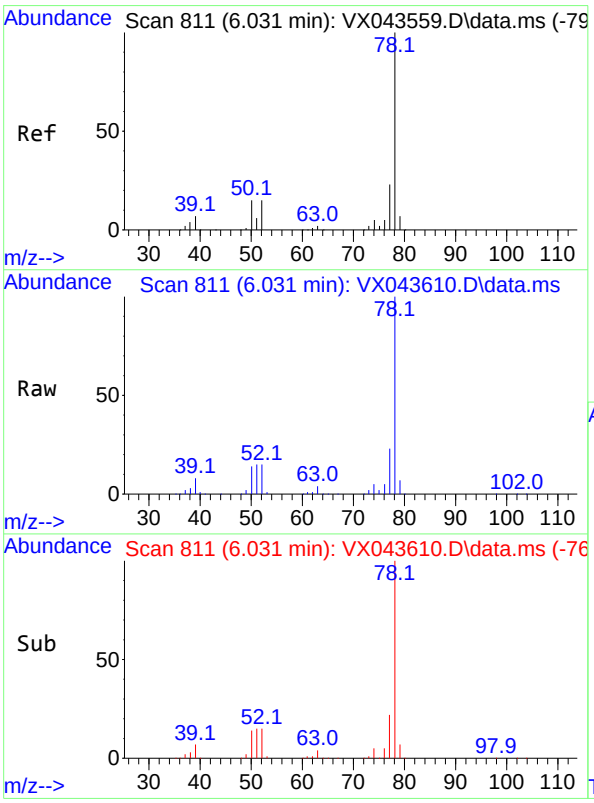
#39
Methylcyclohexane
Concen: 48.163 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 129506

Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.9	89.9
98	48.6	41.3	61.9

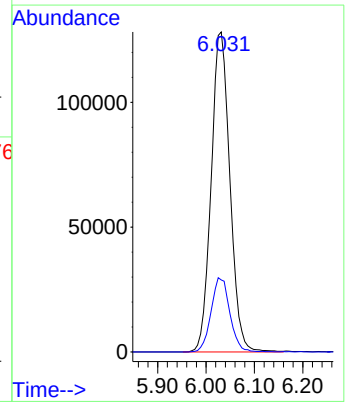


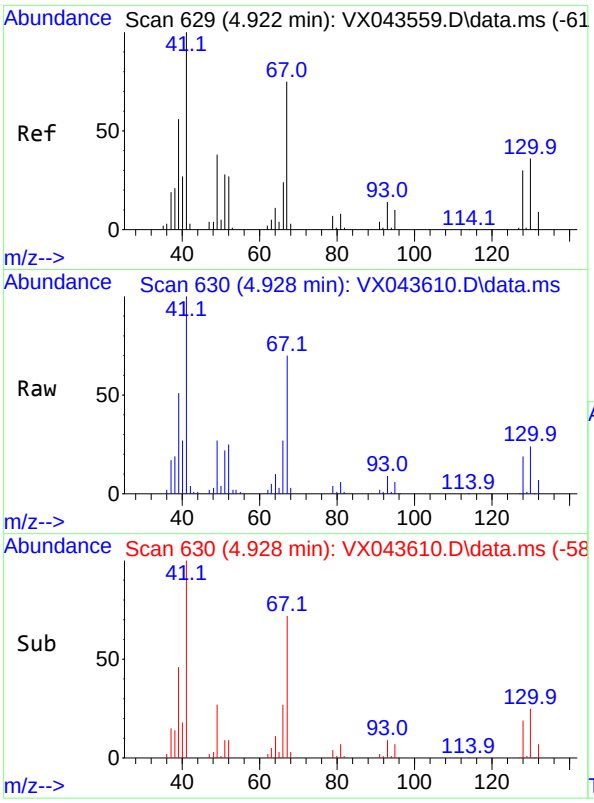


#40
Benzene
Concen: 47.728 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 78 Resp: 344839

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.4	27.6



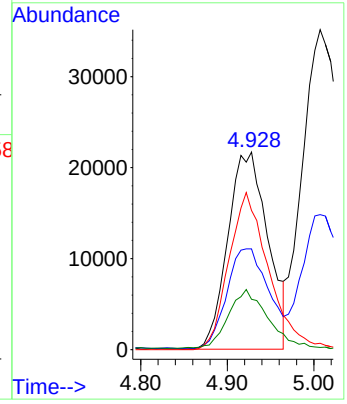


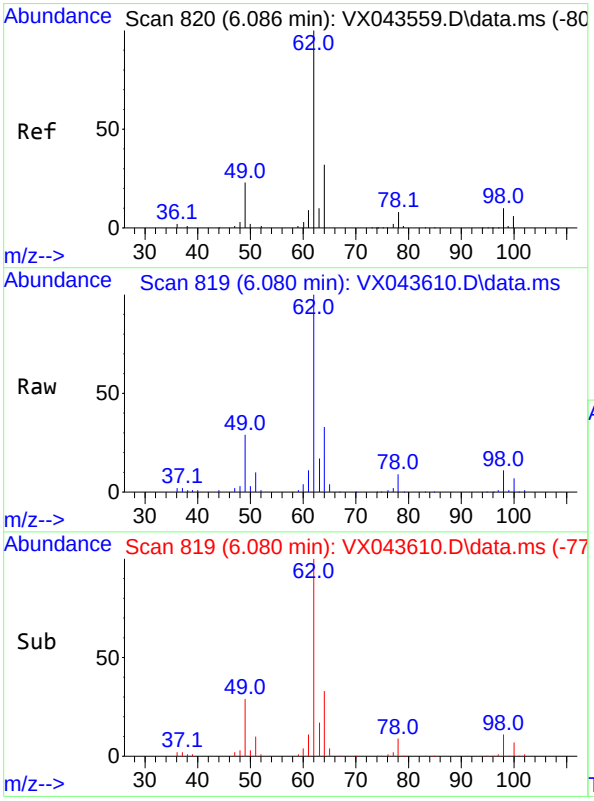
#41
Methacrylonitrile
Concen: 50.543 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 69757

Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.5	65.3
67	79.9	58.3	87.5
52	30.6	24.6	37.0

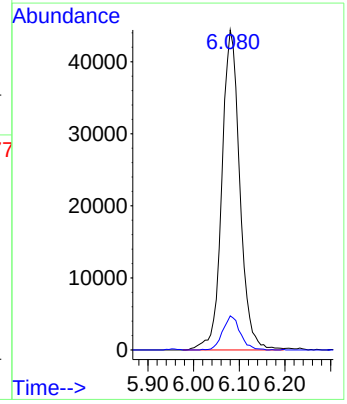


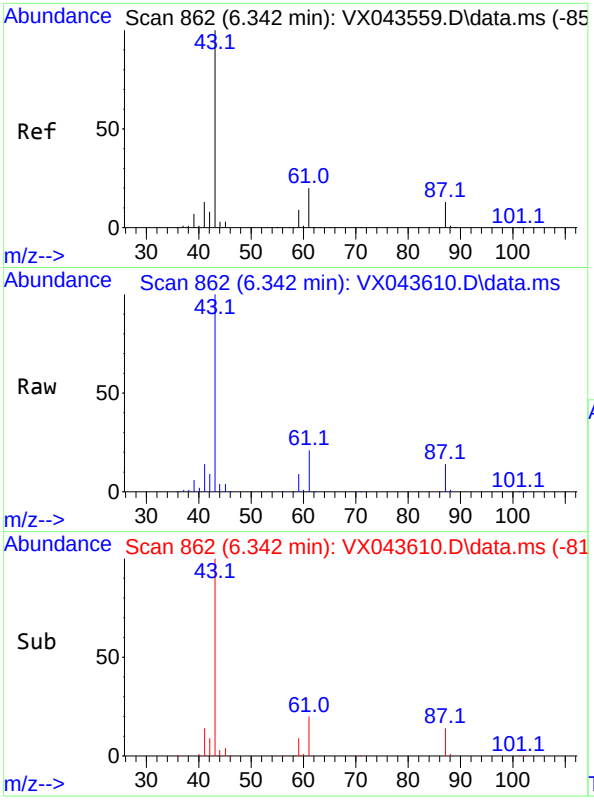


#42
1,2-Dichloroethane
Concen: 46.758 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 62 Resp: 121452

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8



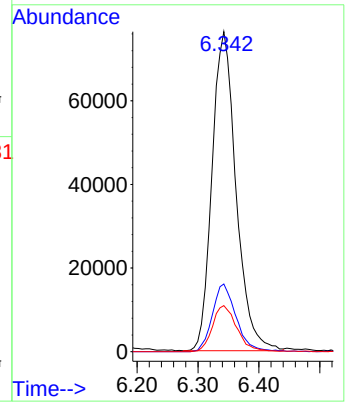


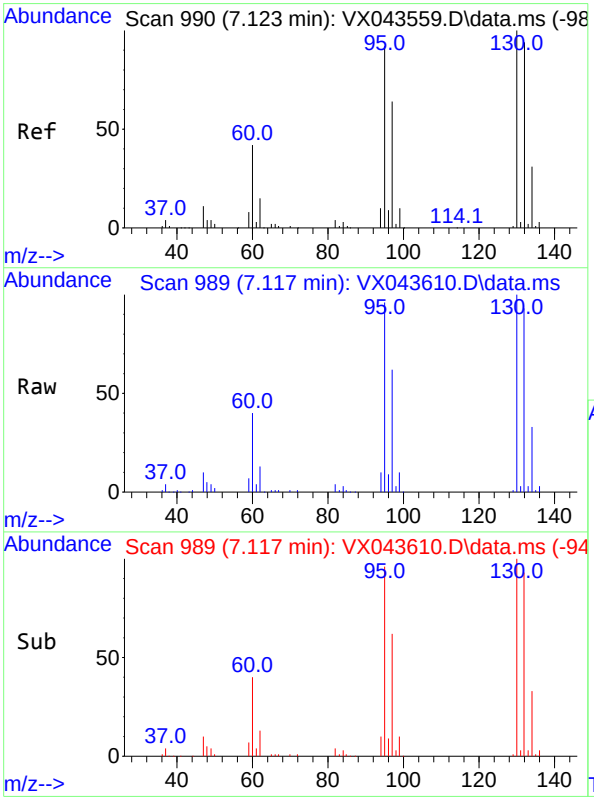
#43
Isopropyl Acetate
Concen: 48.146 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 209353

Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.2	24.4
87	14.8	11.0	16.6

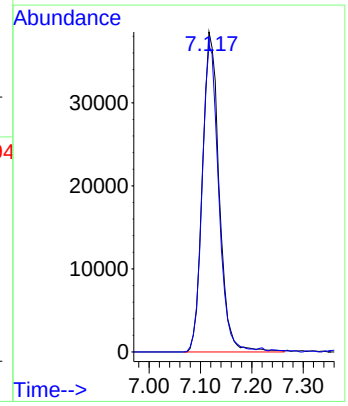


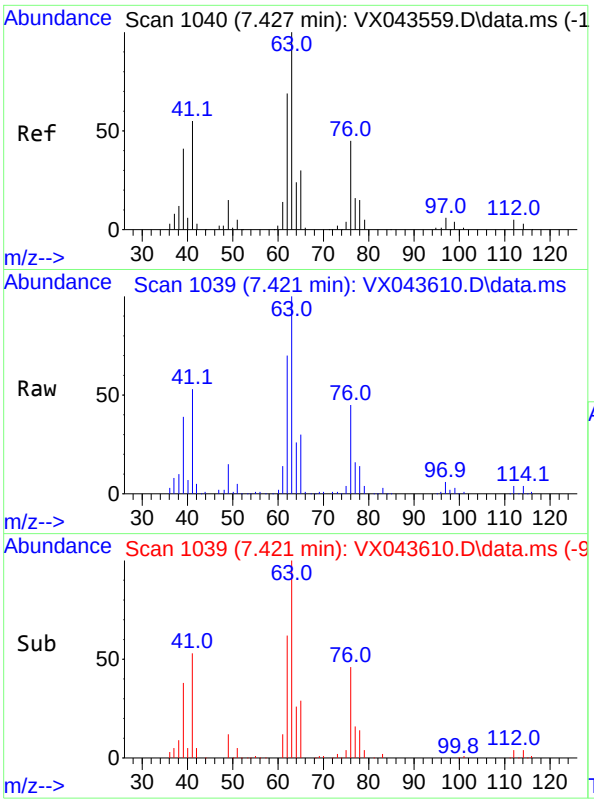


#44
Trichloroethene
Concen: 48.479 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:130 Resp: 87016

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	202.6



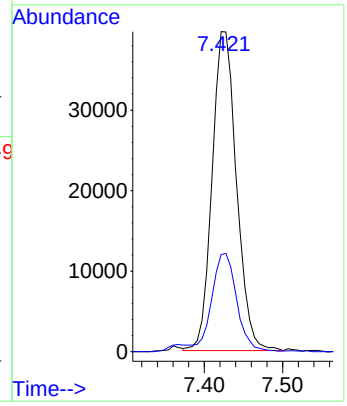


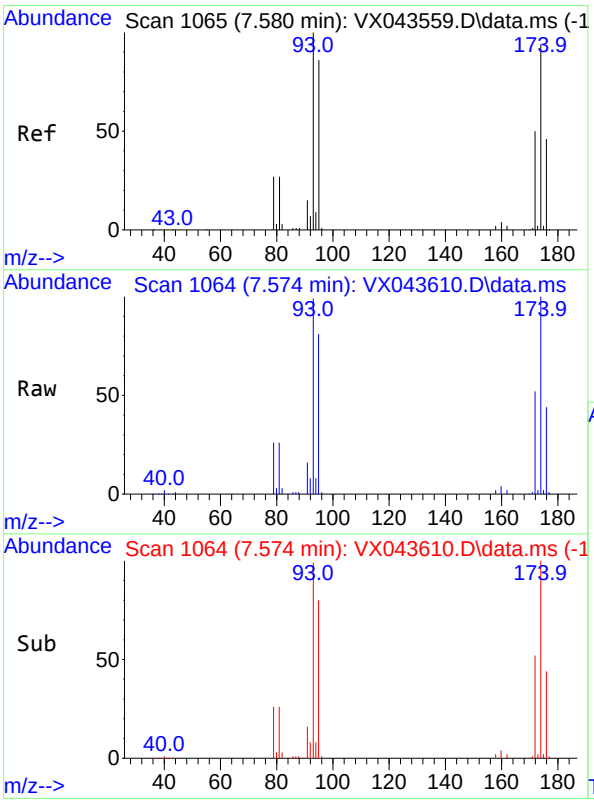
#45
1,2-Dichloropropane
Concen: 48.156 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 85671

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.5	36.7

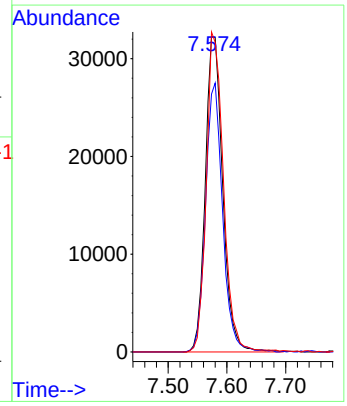


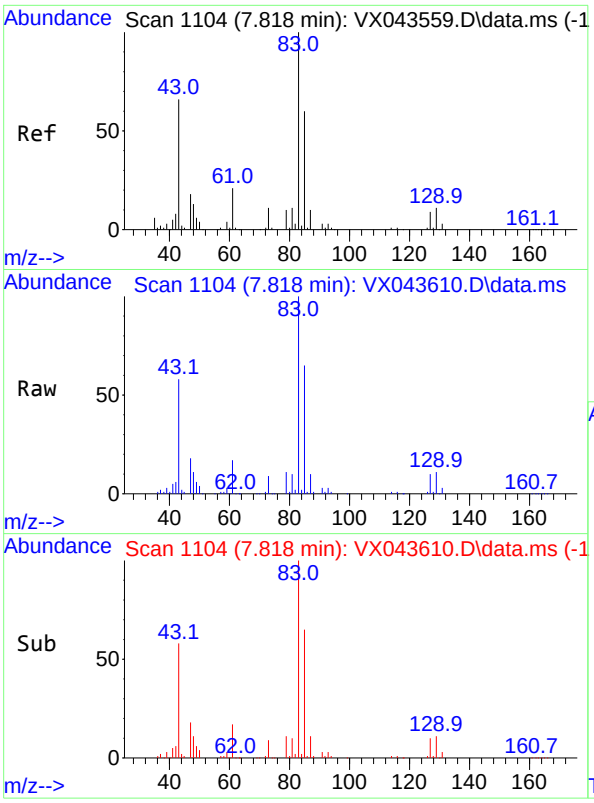


#46
Dibromomethane
Concen: 48.673 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 93 Resp: 66672

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.4	99.6
174	99.9	75.0	112.4



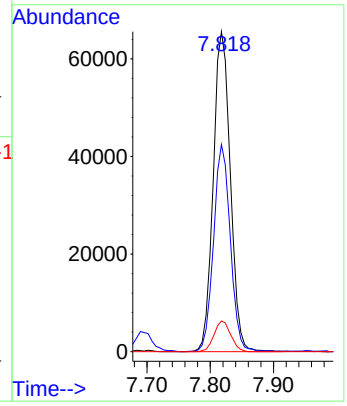


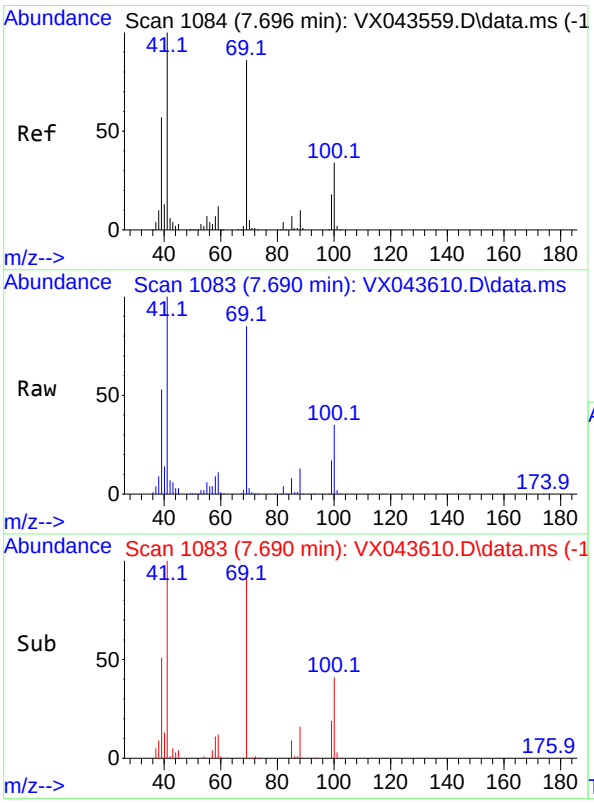
#47
Bromodichloromethane
Concen: 51.242 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 123136

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4
127	9.6	7.1	10.7

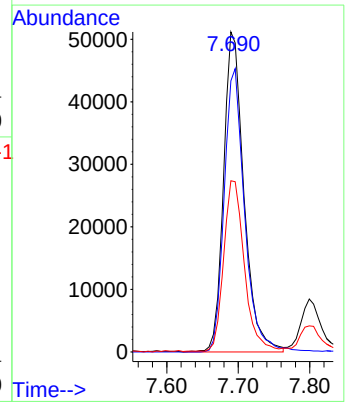


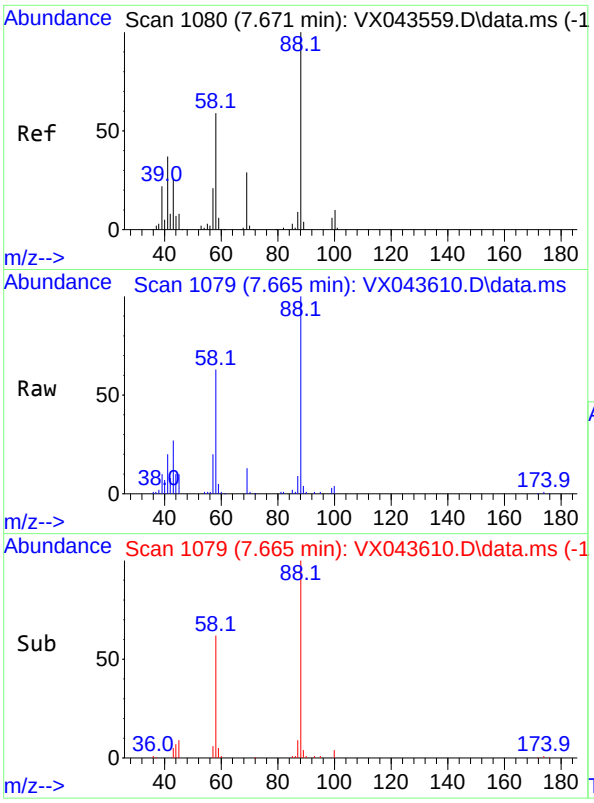


#48
Methyl methacrylate
Concen: 49.127 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 41 Resp: 101279

Ion	Ratio	Lower	Upper
41	100		
69	89.0	67.7	101.5
39	53.7	46.3	69.5



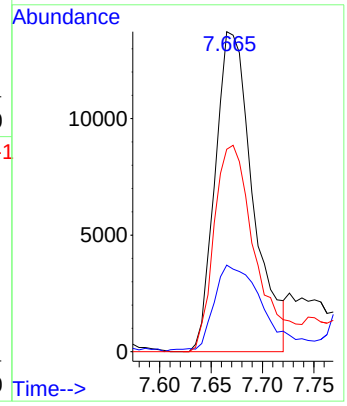


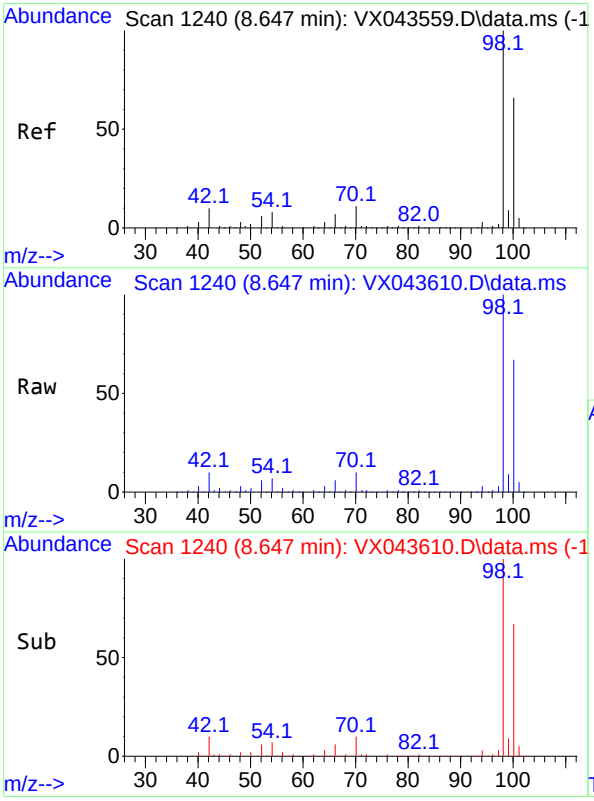
#49
1,4-Dioxane
Concen: 828.559 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 35094

Ion	Ratio	Lower	Upper
88	100		
43	36.0	25.3	37.9
58	72.1	53.9	80.9

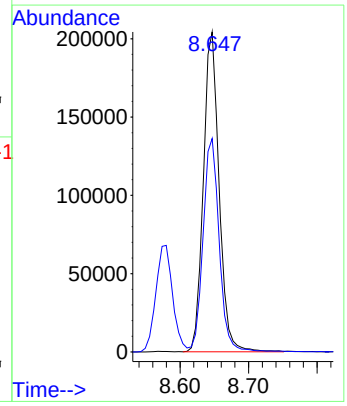


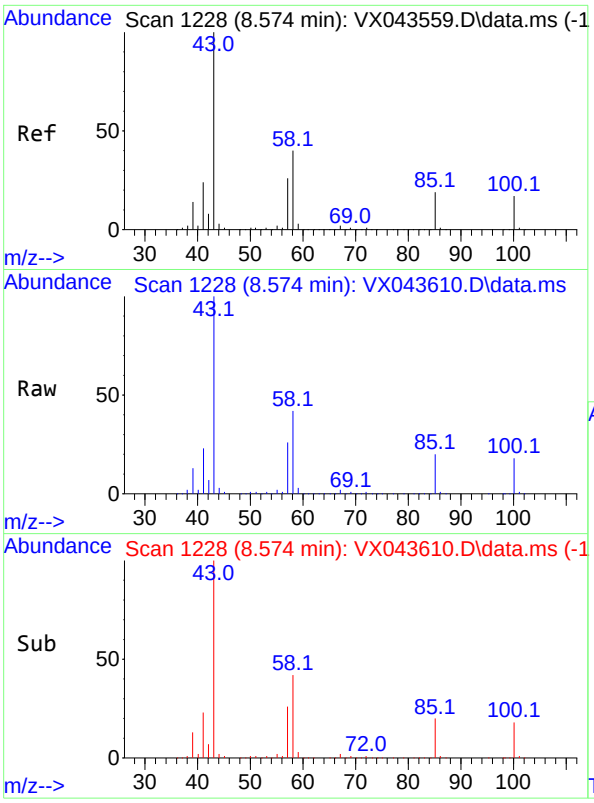


#50
Toluene-d8
Concen: 51.692 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 98 Resp: 326824

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.4	80.2



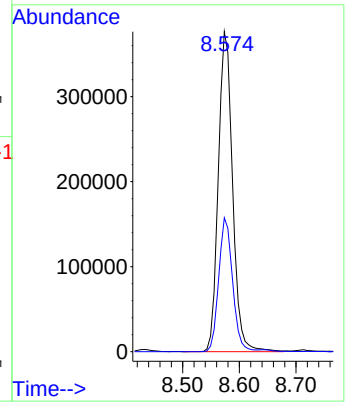


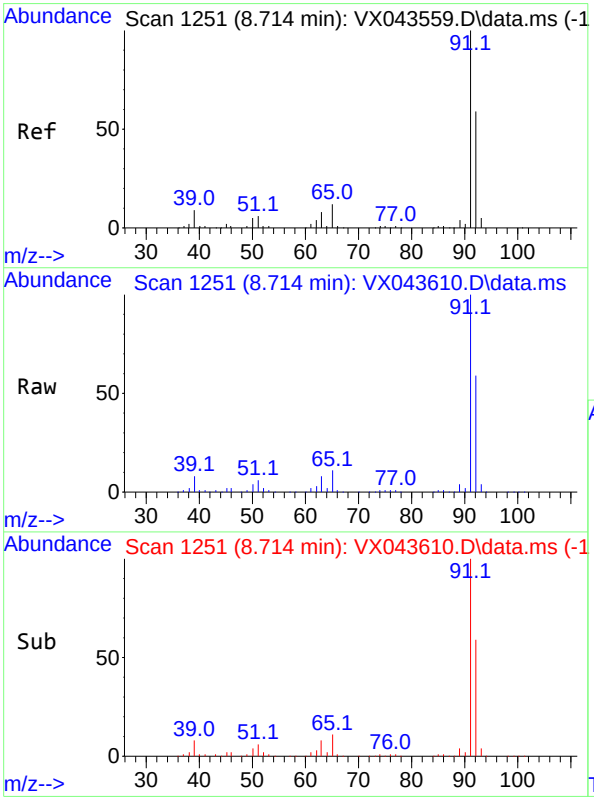
#51
4-Methyl-2-Pentanone
Concen: 248.002 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 657274

Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.7	47.5

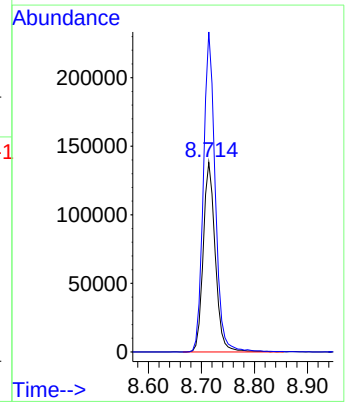


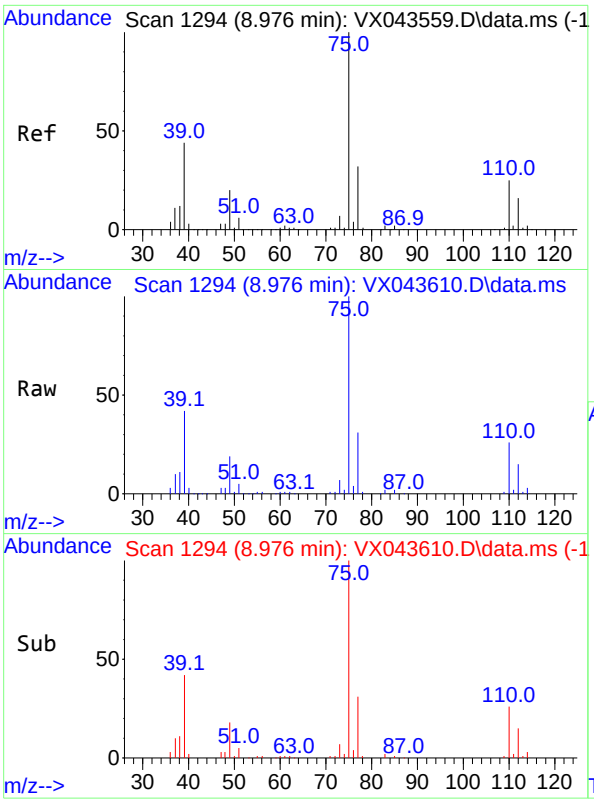


#52
Toluene
Concen: 49.912 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 92 Resp: 218703

Ion	Ratio	Lower	Upper
92	100		
91	166.1	135.7	203.5



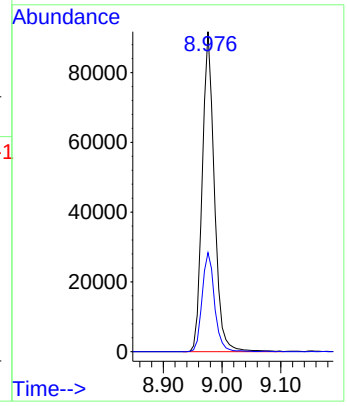


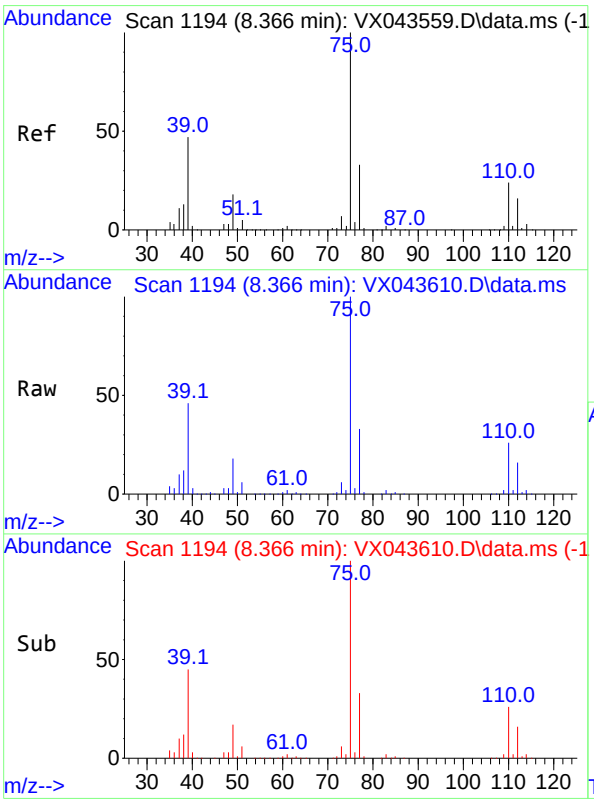
#53
t-1,3-Dichloropropene
Concen: 50.985 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 131592

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.0	39.0

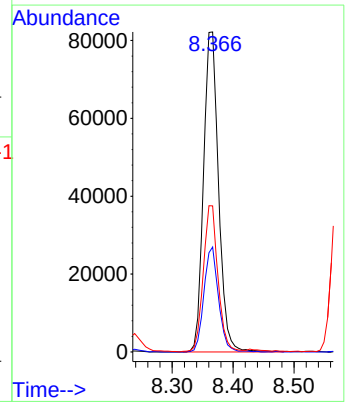


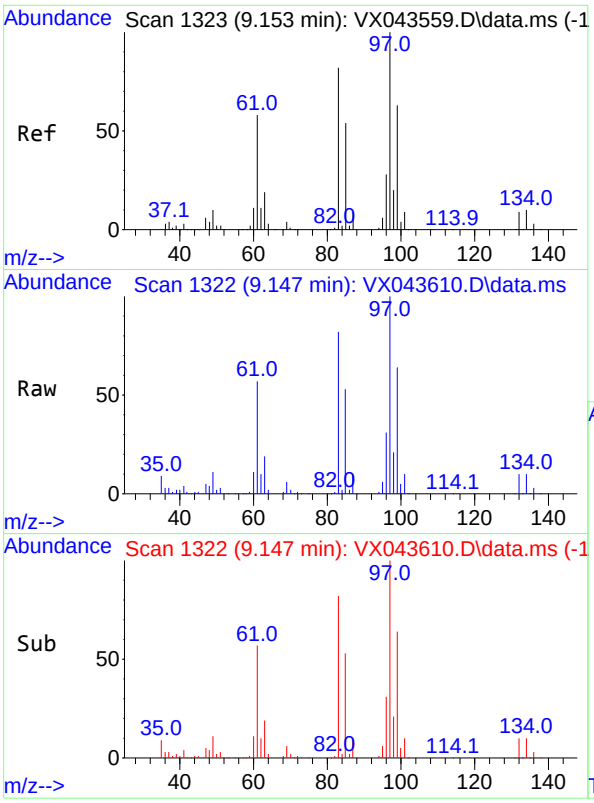


#54
cis-1,3-Dichloropropene
Concen: 51.333 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 141165

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.8	37.2
39	45.4	37.7	56.5



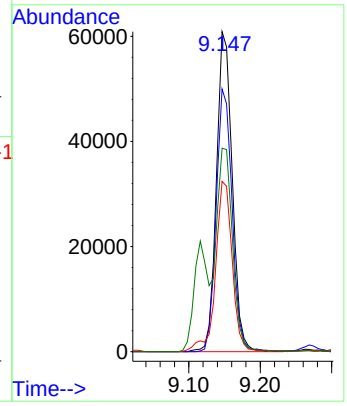


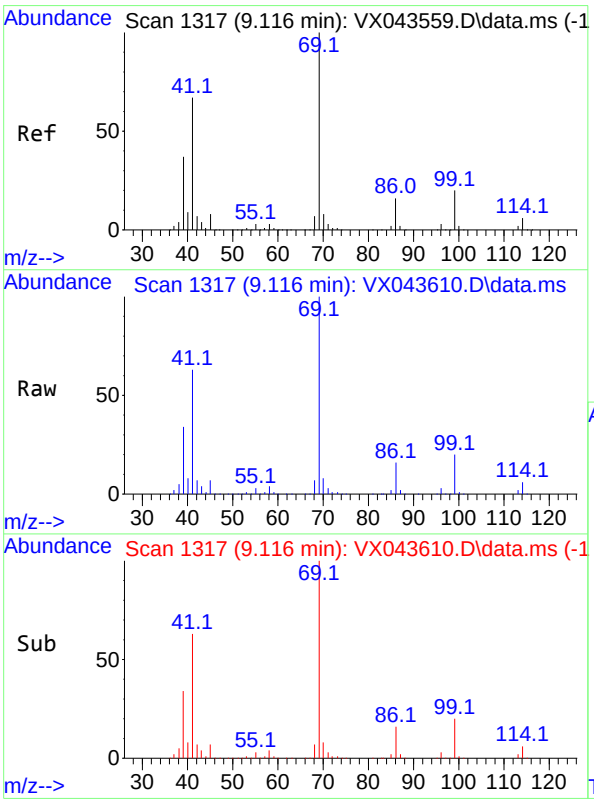
#55
1,1,2-Trichloroethane
Concen: 51.241 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 93459

Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.3	100.9
85	53.1	43.6	65.4
99	63.3	50.6	75.8

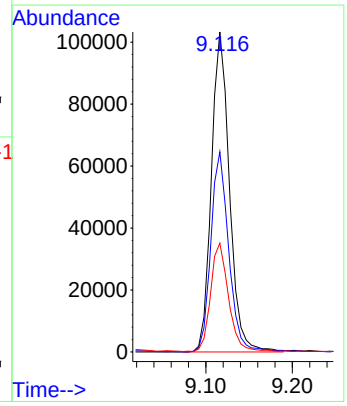


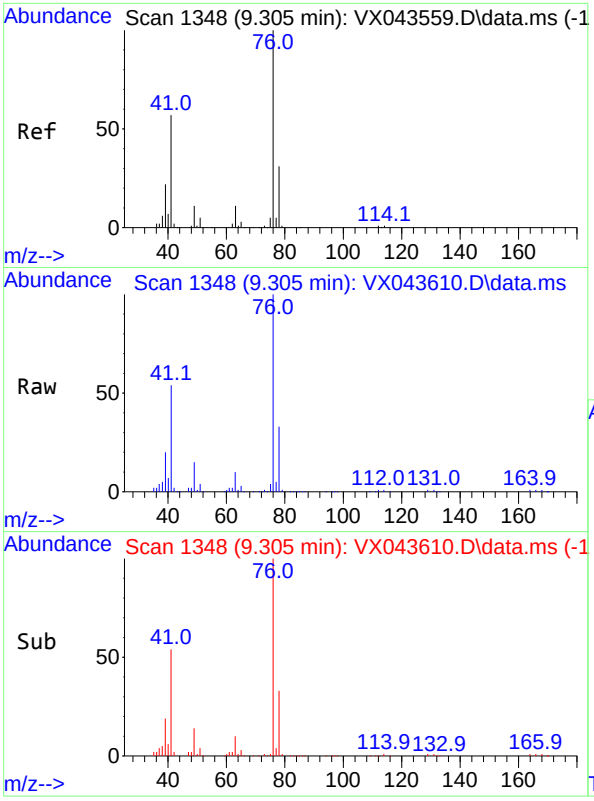


#56
Ethyl methacrylate
Concen: 50.517 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 69 Resp: 149715

Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.8	80.8
39	33.3	29.9	44.9



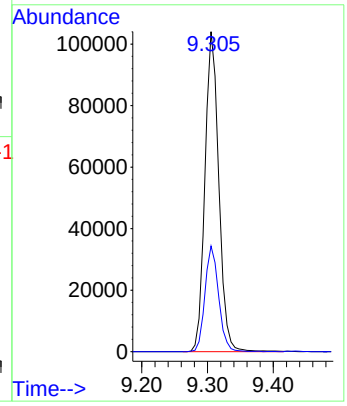


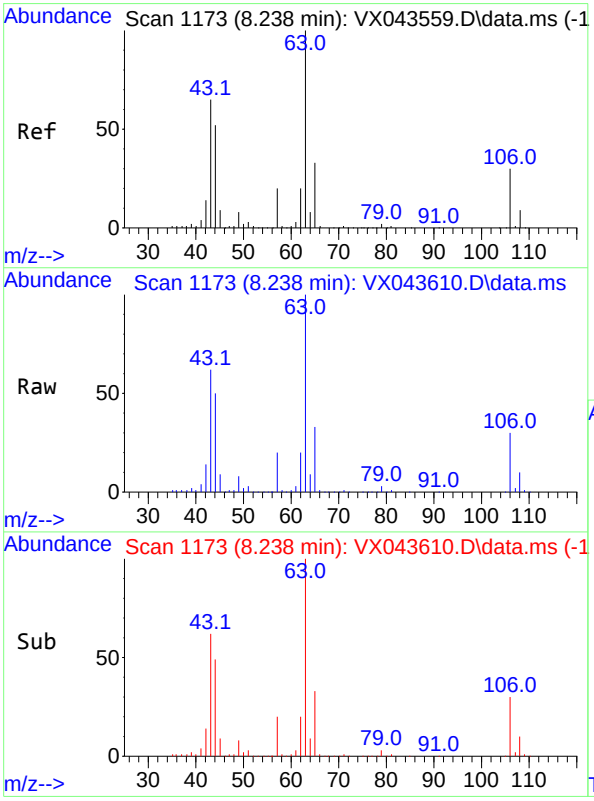
#57
1,3-Dichloropropane
Concen: 50.209 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 152310

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

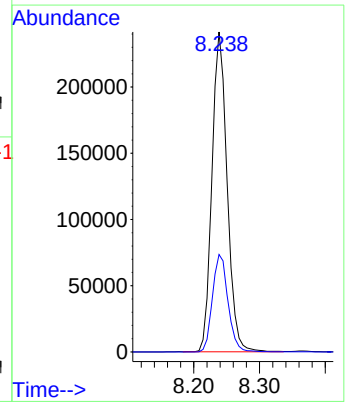


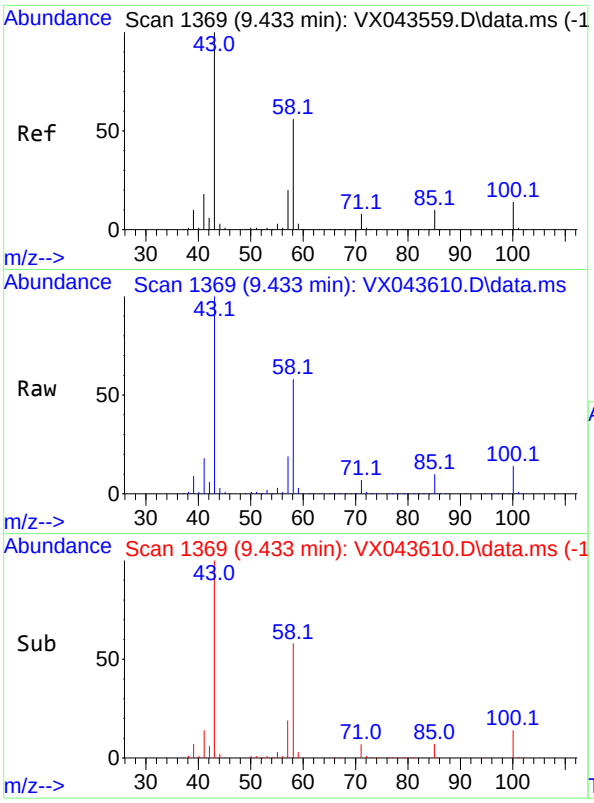


#58
2-Chloroethyl Vinyl ether
Concen: 269.768 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 63 Resp: 387207

Ion	Ratio	Lower	Upper
63	100		
106	31.2	23.6	35.4



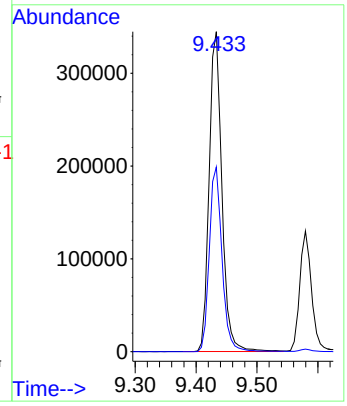


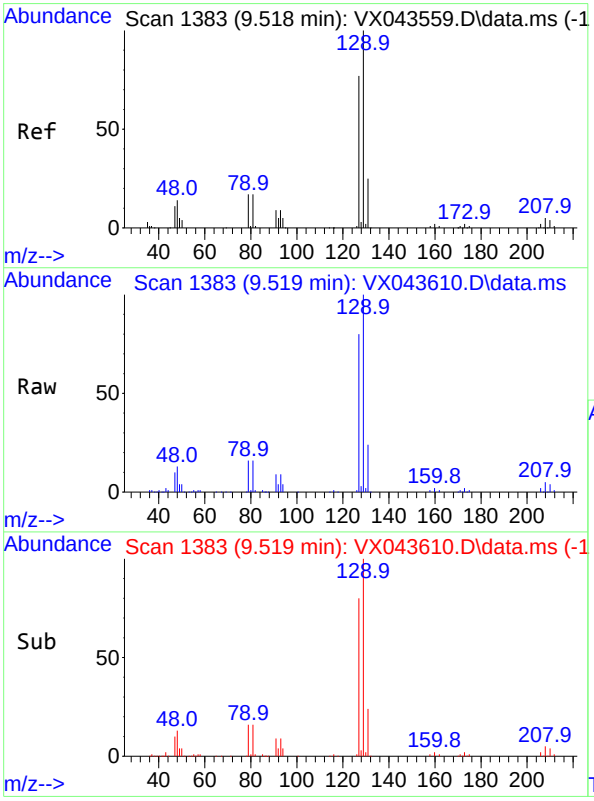
#59
2-Hexanone
Concen: 249.695 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 502607

Ion	Ratio	Lower	Upper
43	100		
58	57.7	27.5	82.5

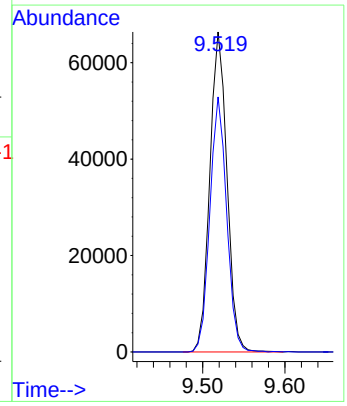


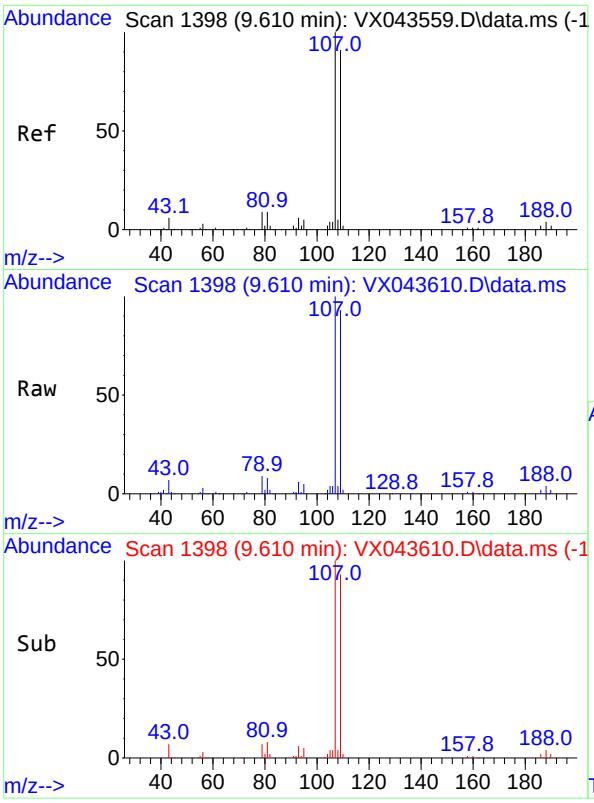


#60
Dibromochloromethane
Concen: 53.286 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:129 Resp: 96239

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.1



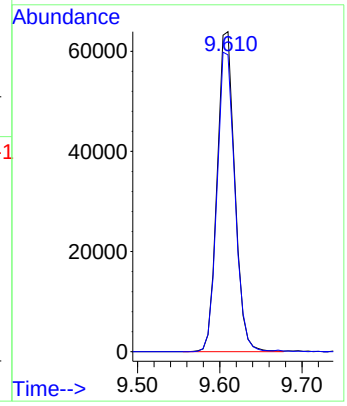


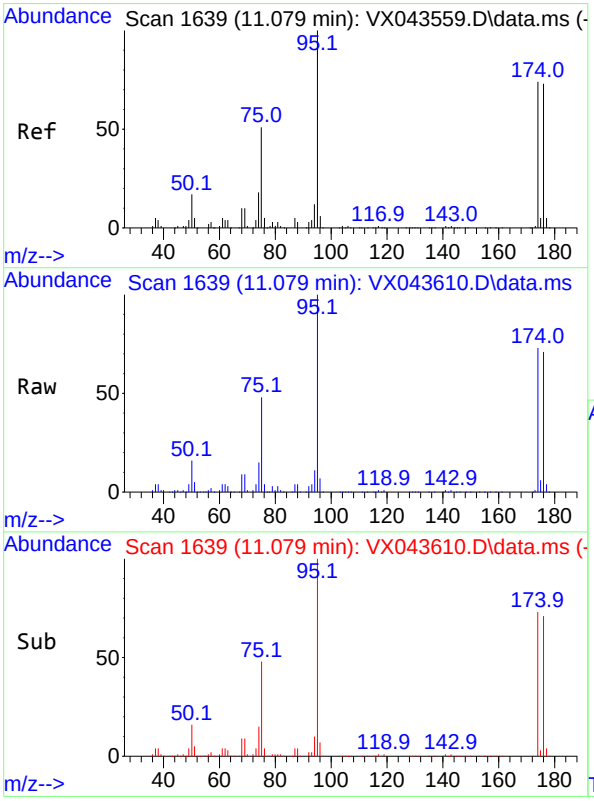
#61
1,2-Dibromoethane
Concen: 50.325 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 95281

Ion	Ratio	Lower	Upper
107	100		
109	94.7	77.1	115.7

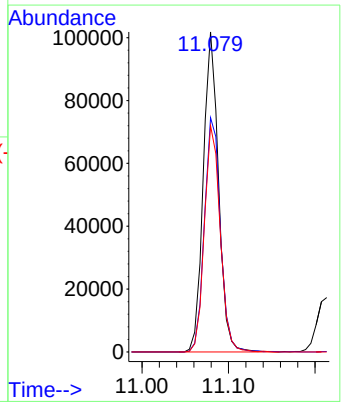


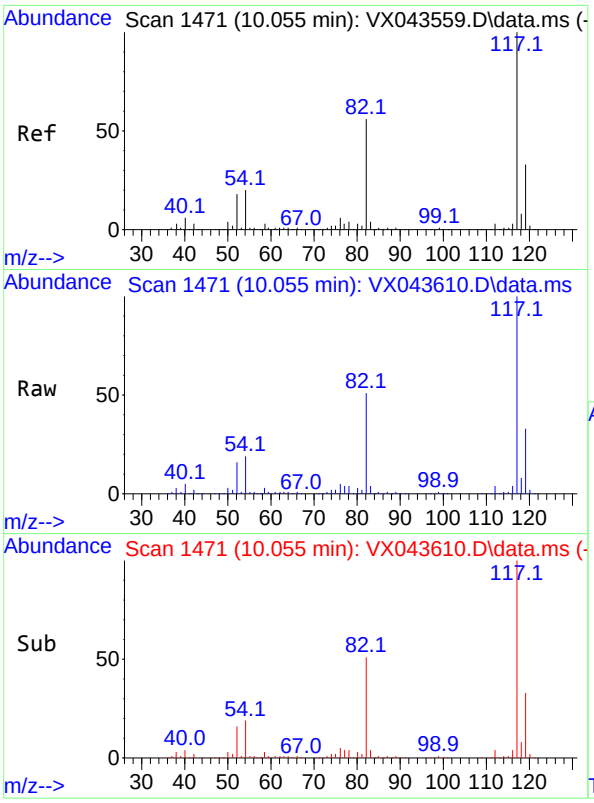


#62
4-Bromofluorobenzene
Concen: 53.067 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 95 Resp: 124327

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	146.6
176	73.5	0.0	139.6



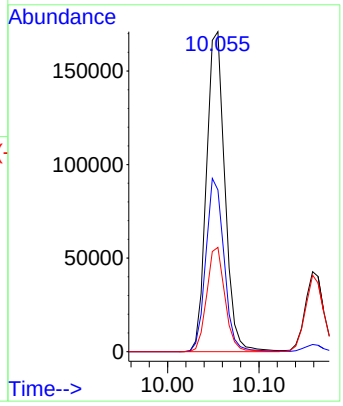


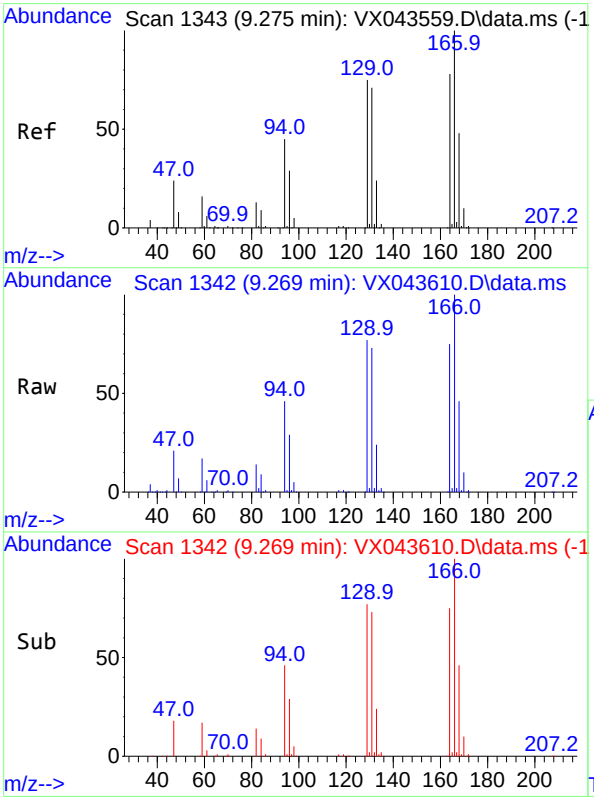
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 239151

Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.1	63.1
119	32.6	25.4	38.2

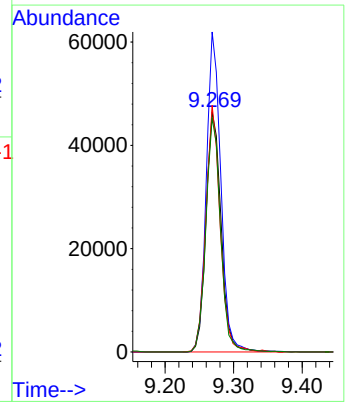


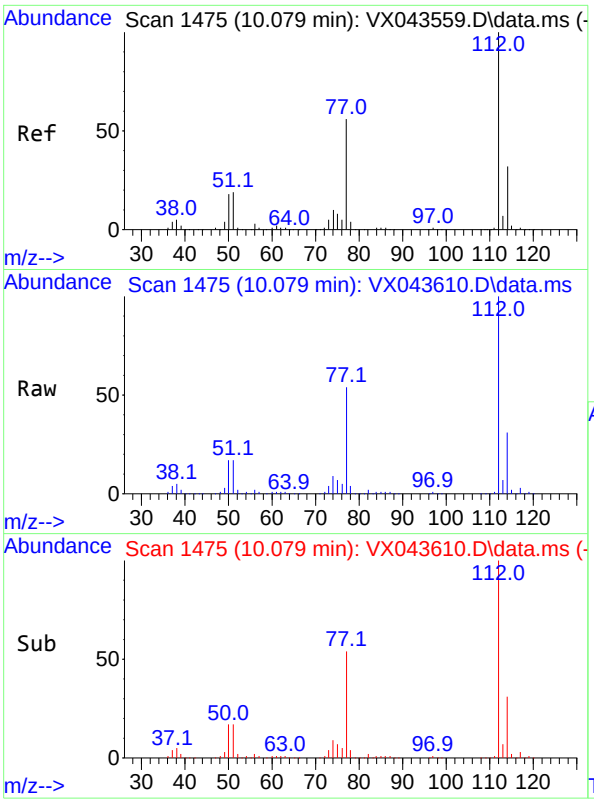


#64
Tetrachloroethene
Concen: 47.505 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:164 Resp: 71453

Ion	Ratio	Lower	Upper
164	100		
166	133.4	103.8	155.6
129	102.8	83.8	125.6
131	97.5	80.6	121.0



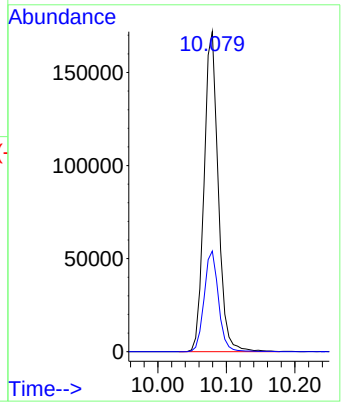


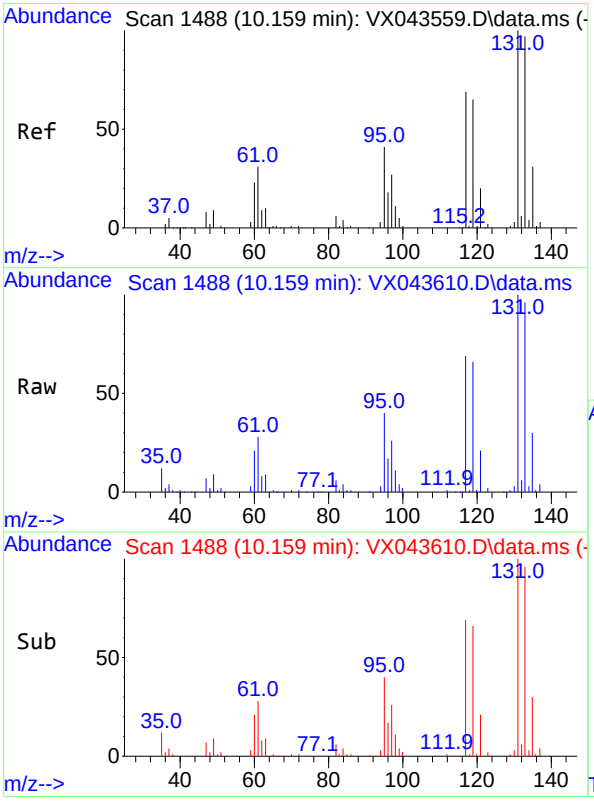
#65
Chlorobenzene
Concen: 47.976 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 246845

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

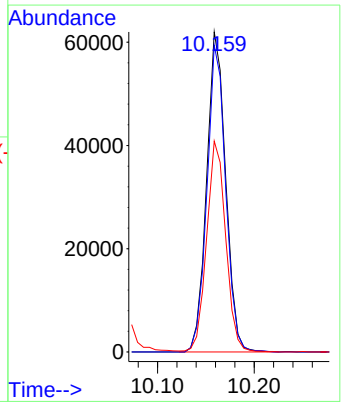


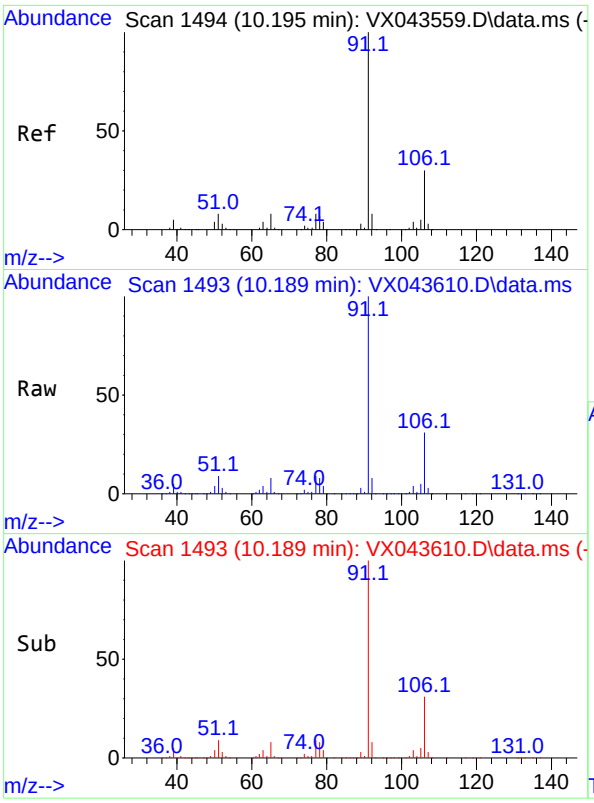


#66
1,1,1,2-Tetrachloroethane
Concen: 50.433 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:131 Resp: 84757

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.0	144.0
119	66.2	32.3	96.9



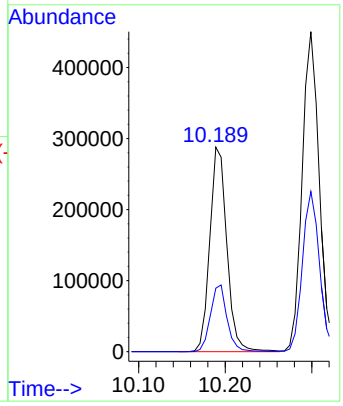


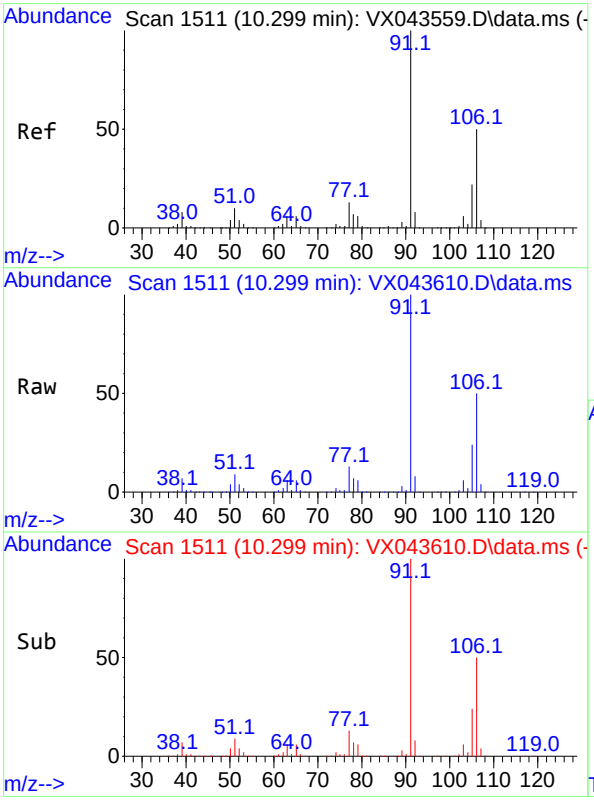
#67
Ethyl Benzene
Concen: 47.008 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 394382

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.2

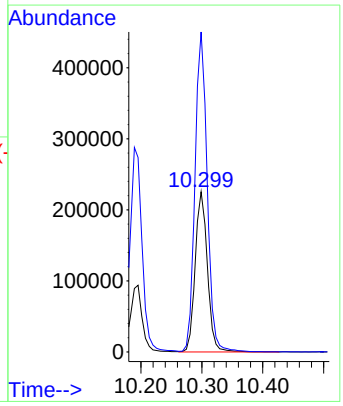


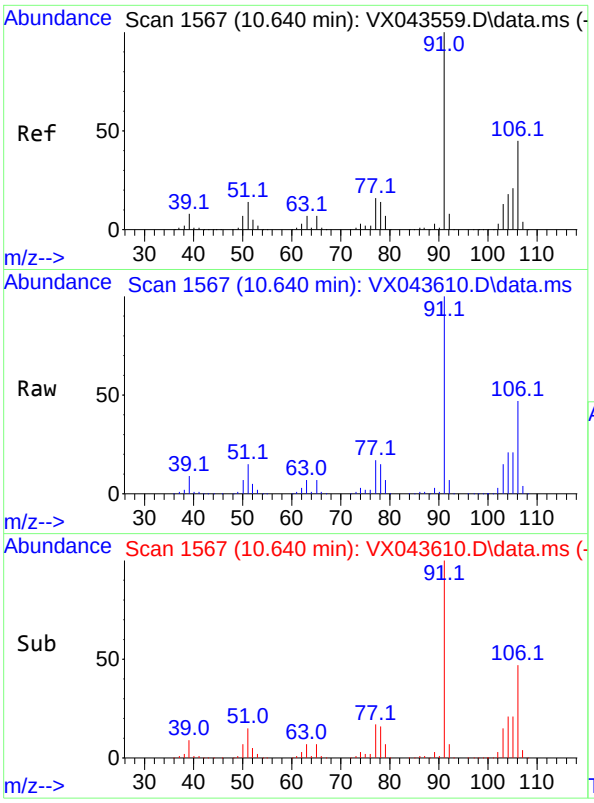


#68
m/p-Xylenes
Concen: 97.427 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:106 Resp: 312586

Ion	Ratio	Lower	Upper
106	100		
91	199.5	164.7	247.1



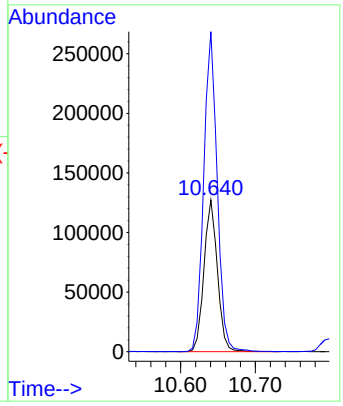


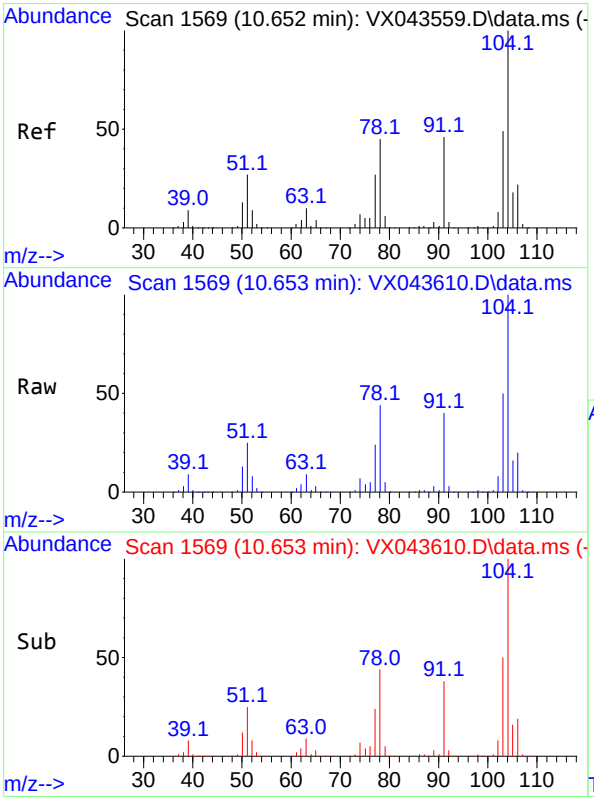
#69
o-Xylene
Concen: 49.288 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 158887

Ion	Ratio	Lower	Upper
106	100		
91	211.2	107.9	323.7

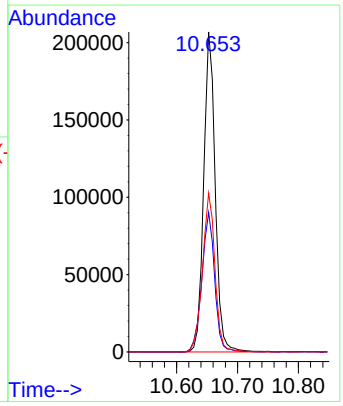


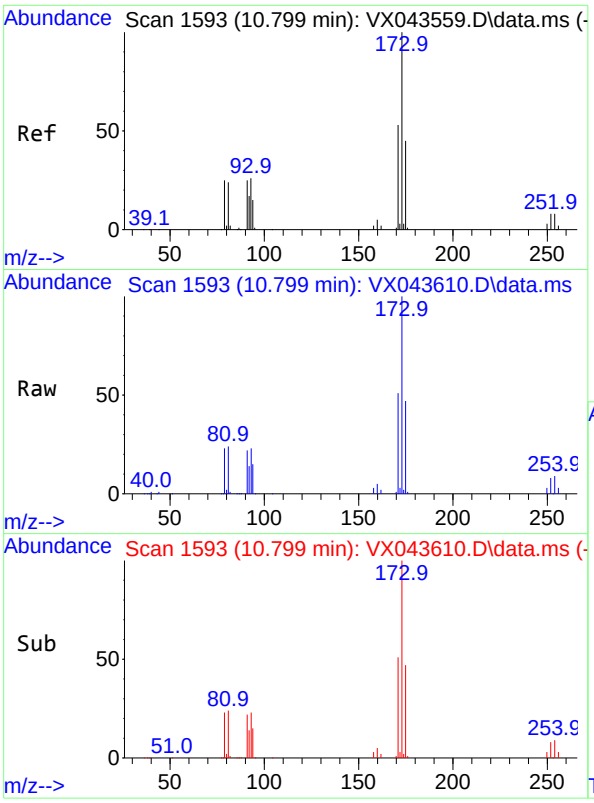


#70
Styrene
Concen: 50.882 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:104 Resp: 272620

Ion	Ratio	Lower	Upper
104	100		
78	48.4	40.0	60.0
103	53.8	43.4	65.0



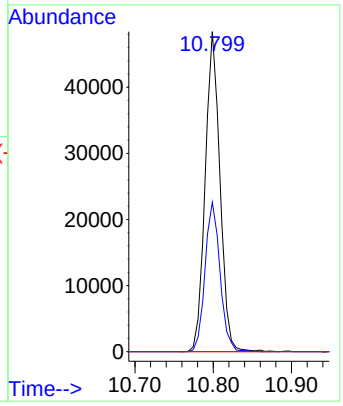


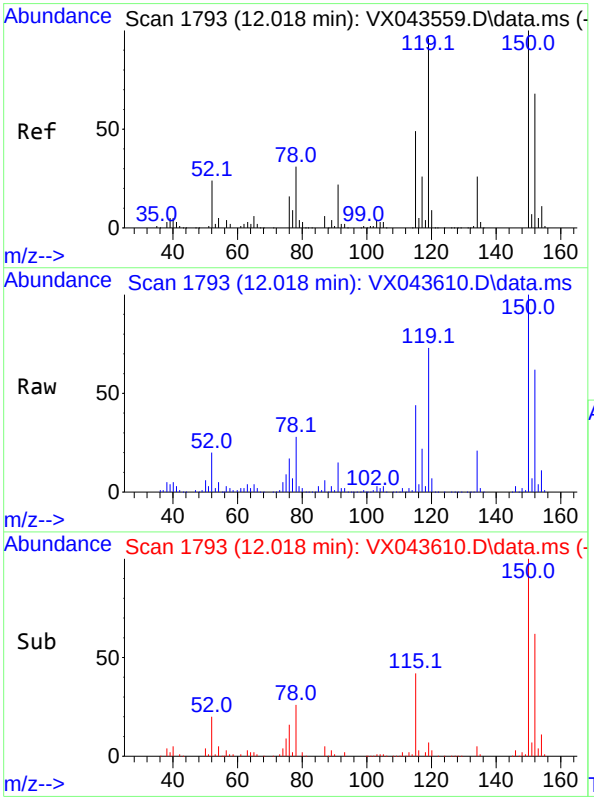
#71
Bromoform
Concen: 52.344 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 63250

Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.3	69.9
254	0.0	0.0	0.0

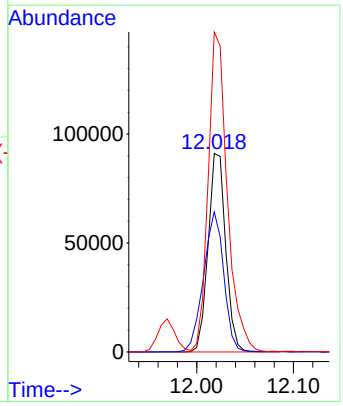


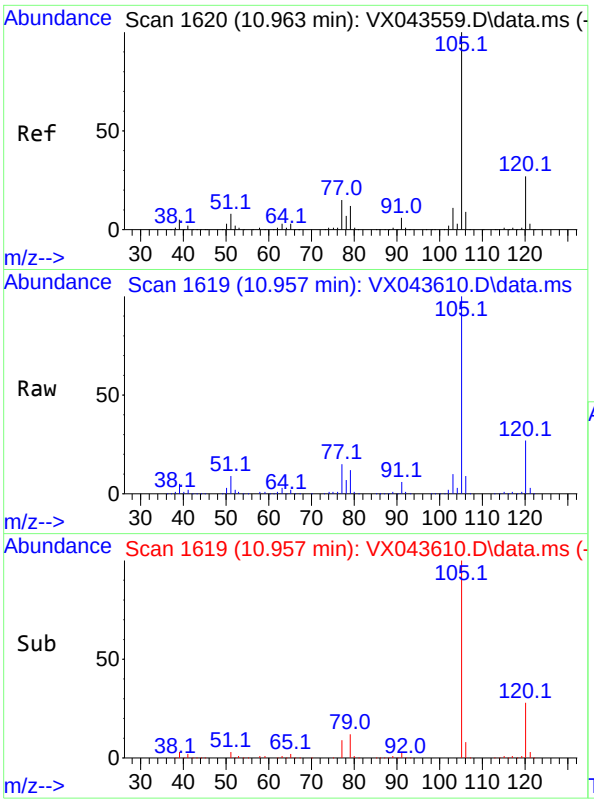


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:152 Resp: 115673

Ion	Ratio	Lower	Upper
152	100		
115	81.1	42.9	128.7
150	174.3	0.0	343.6



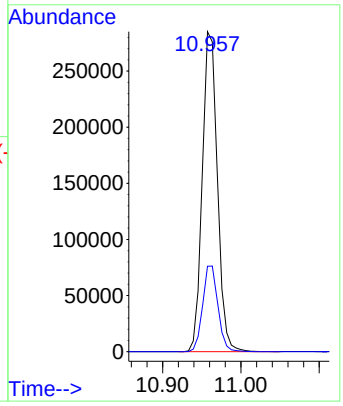


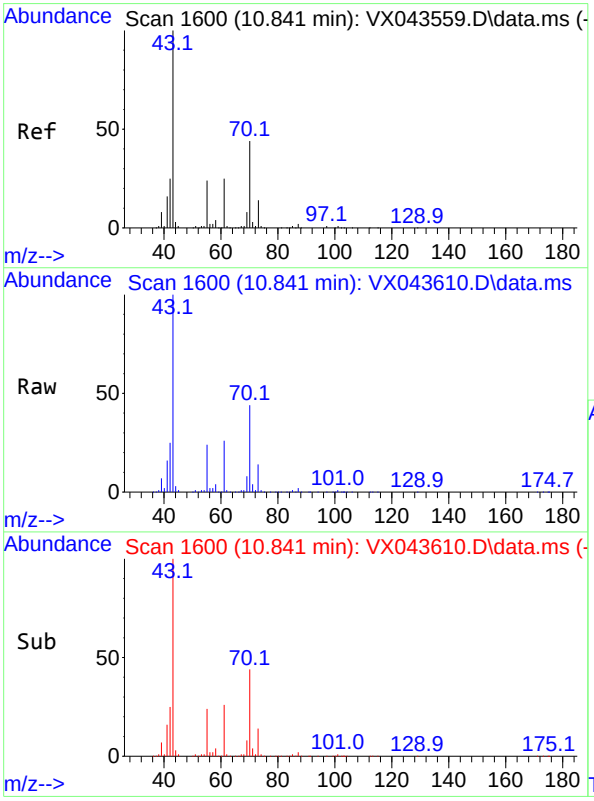
#73
Isopropylbenzene
Concen: 46.585 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 381714

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.2	39.6

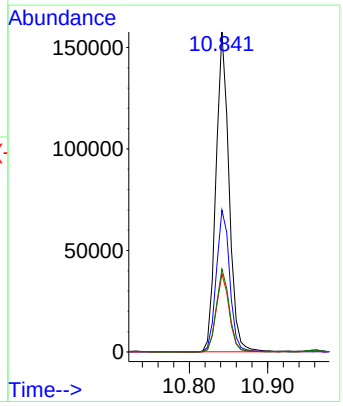


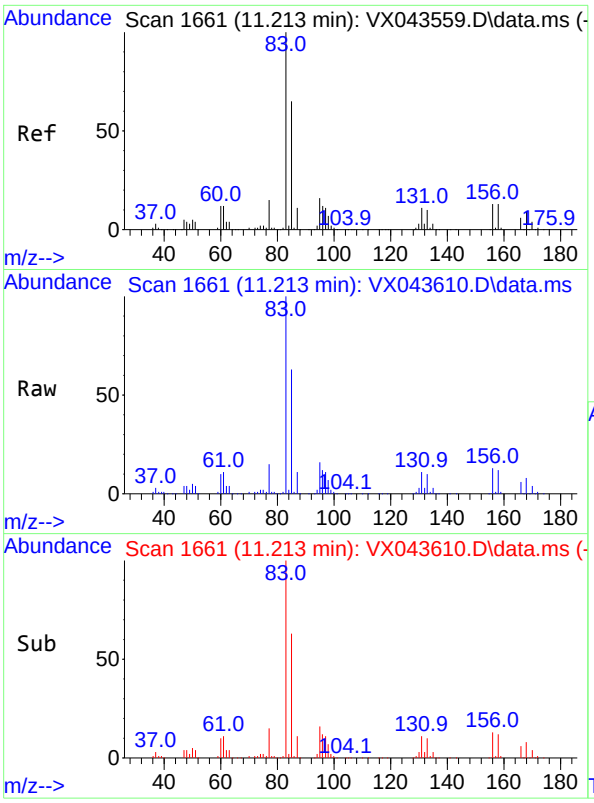


#74
N-amyl acetate
Concen: 45.729 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 43 Resp: 182532

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.6	52.0
55	24.4	19.6	29.4
61	25.9	20.2	30.2



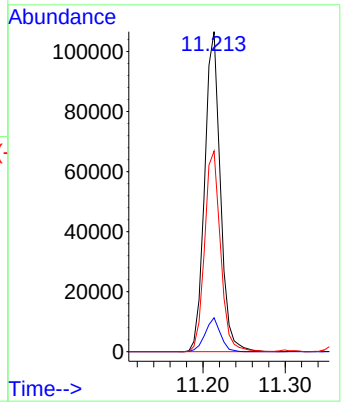


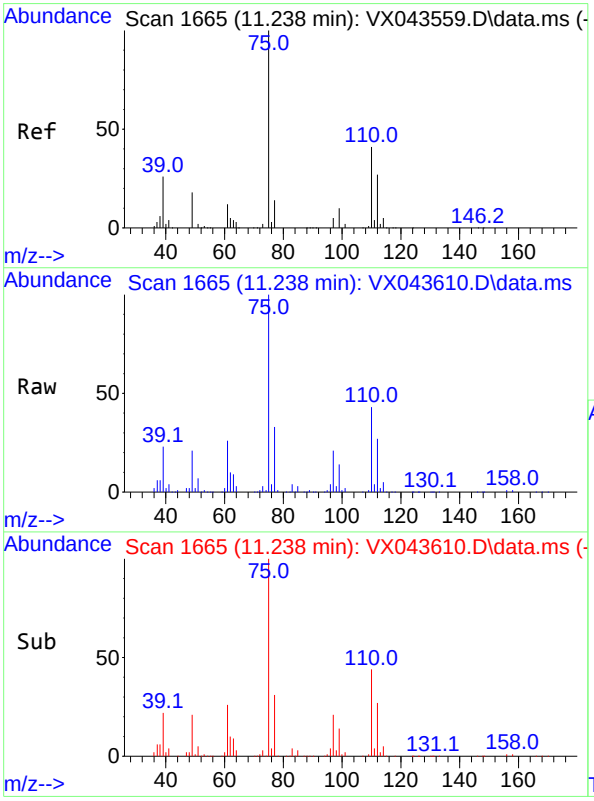
#75
1,1,2,2-Tetrachloroethane
Concen: 47.900 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 141135

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	63.6	32.4	97.0

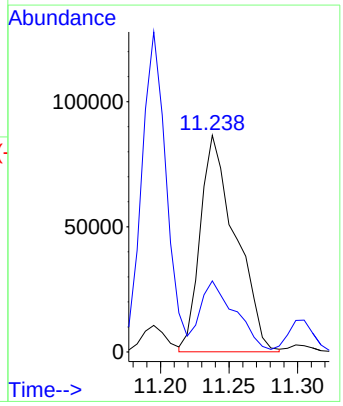


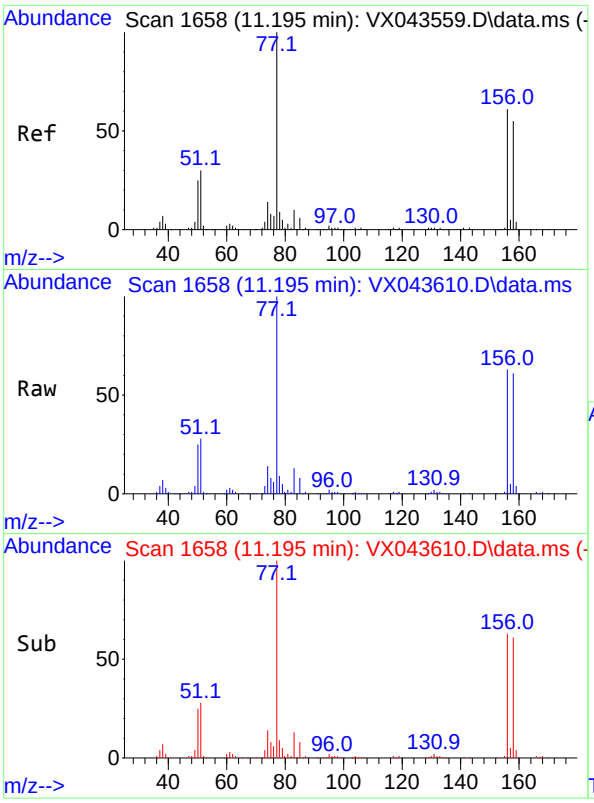


#76
1,2,3-Trichloropropane
Concen: 62.869 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 155491

Ion	Ratio	Lower	Upper
75	100		
77	32.6	22.4	67.2



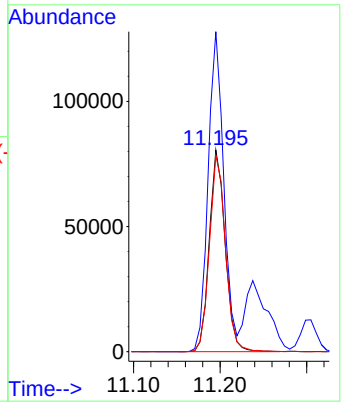


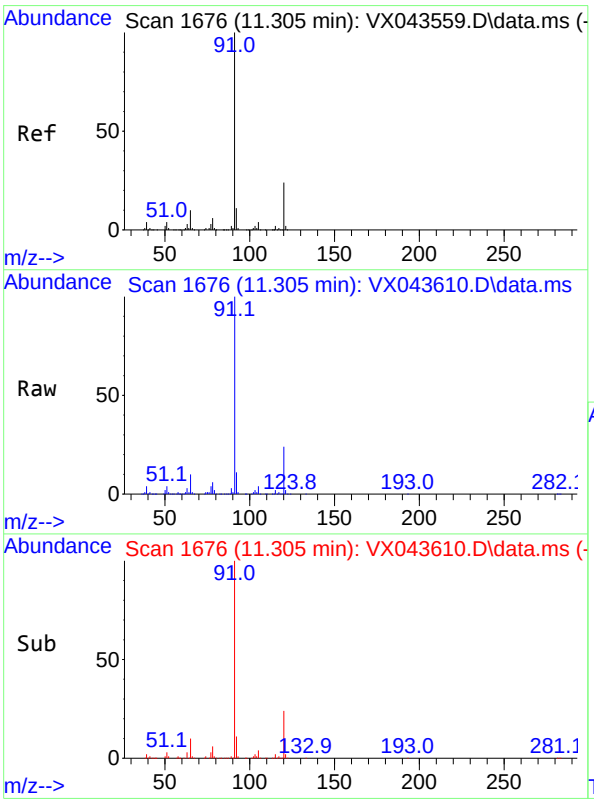
#77
Bromobenzene
Concen: 48.616 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 102861

Ion	Ratio	Lower	Upper
156	100		
77	155.2	79.7	239.1
158	98.0	48.0	144.0

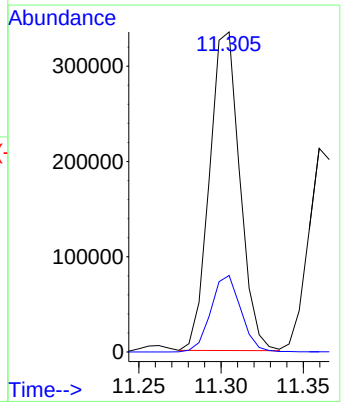


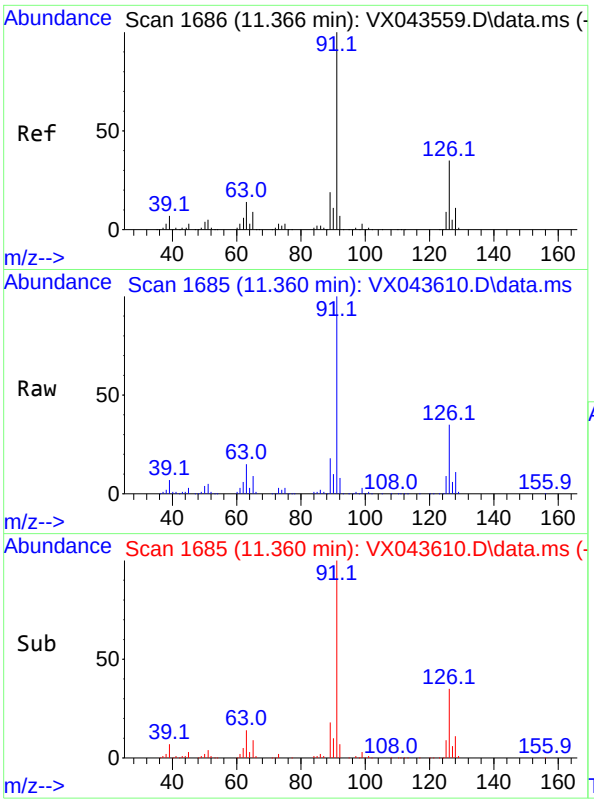


#78
n-propylbenzene
Concen: 48.063 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 429391

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7



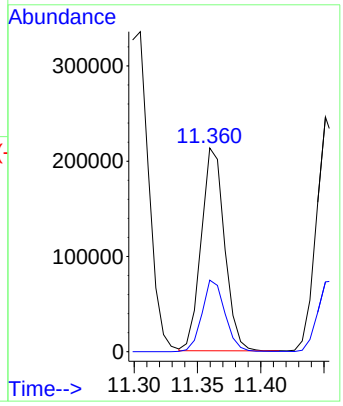


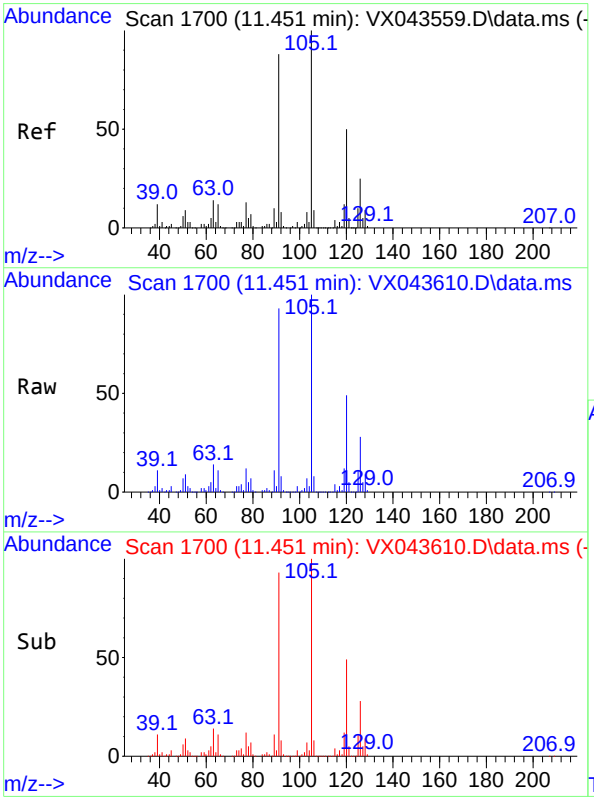
#79
2-Chlorotoluene
Concen: 46.169 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 273511

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.7	50.0

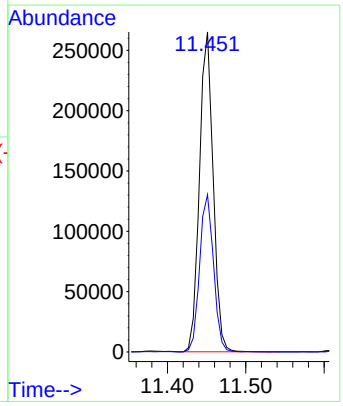


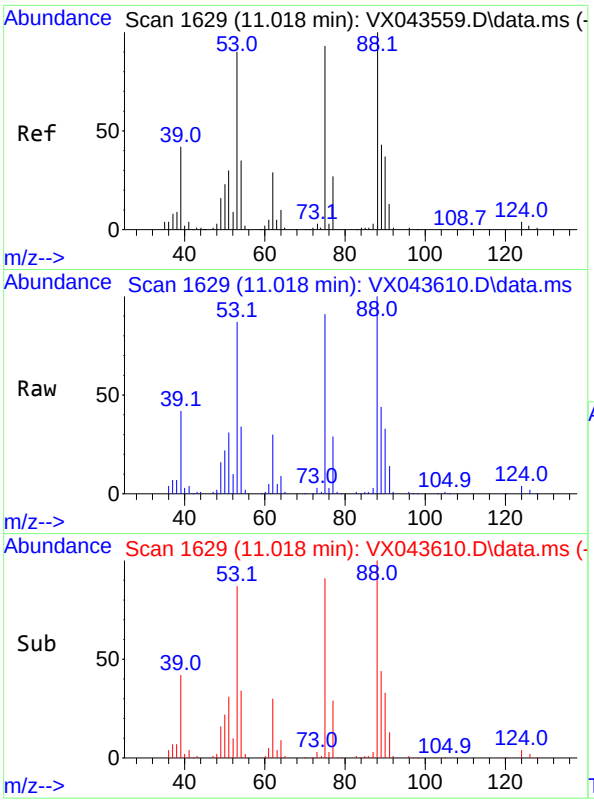


#80
1,3,5-Trimethylbenzene
Concen: 47.262 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:105 Resp: 322893

Ion	Ratio	Lower	Upper
105	100		
120	50.0	23.8	71.5



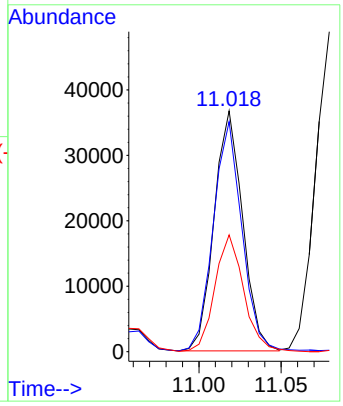


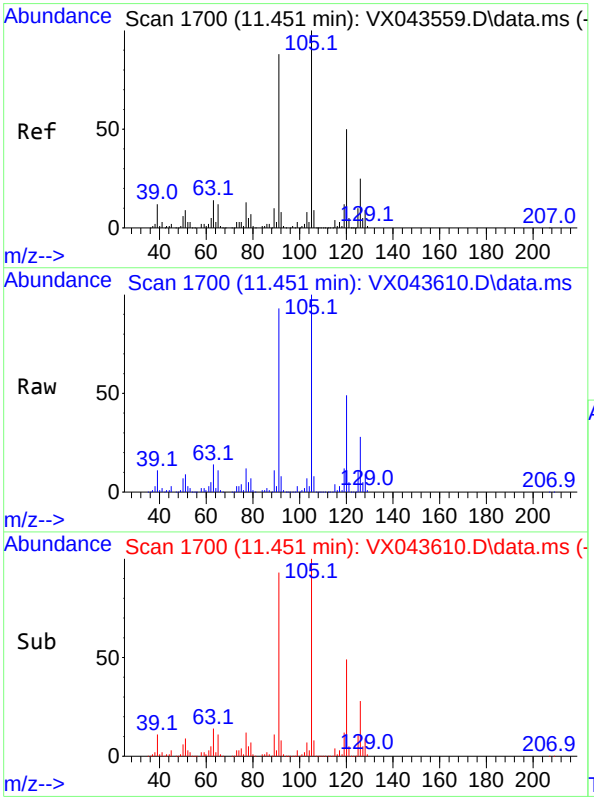
#81
trans-1,4-Dichloro-2-butene
Concen: 49.216 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 44246

Ion	Ratio	Lower	Upper
75	100		
53	97.8	84.6	126.8
89	49.4	38.6	58.0

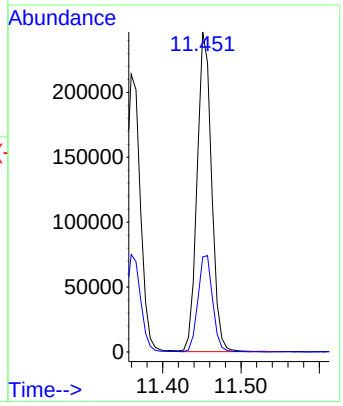


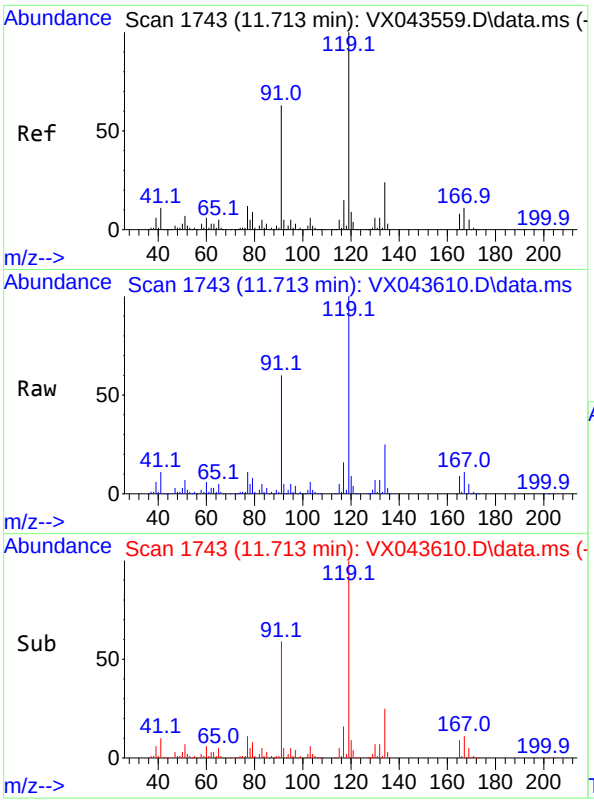


#82
4-Chlorotoluene
Concen: 47.565 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 91 Resp: 316271

Ion	Ratio	Lower	Upper
91	100		
126	30.8	14.2	42.8



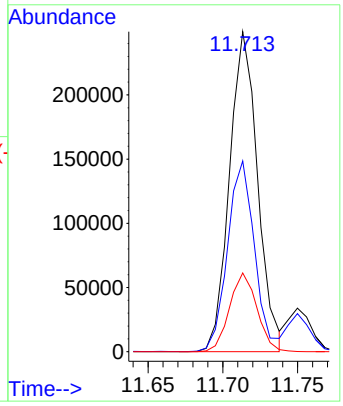


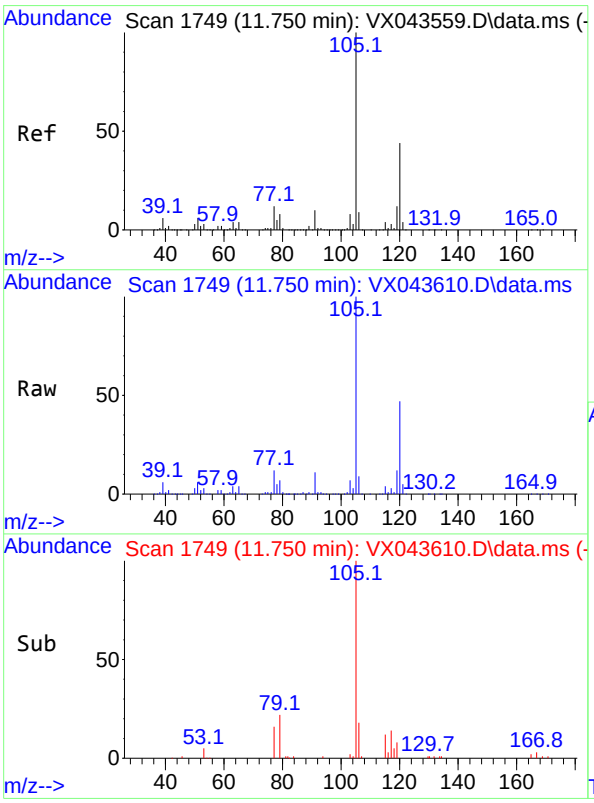
#83
tert-Butylbenzene
Concen: 46.916 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 325979

Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.5	88.5
134	24.0	11.8	35.3

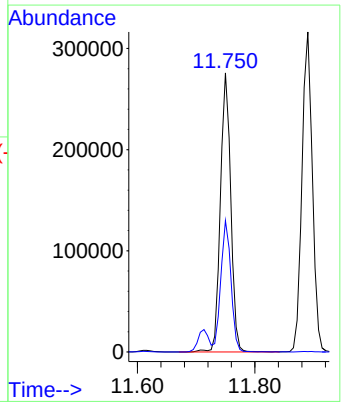


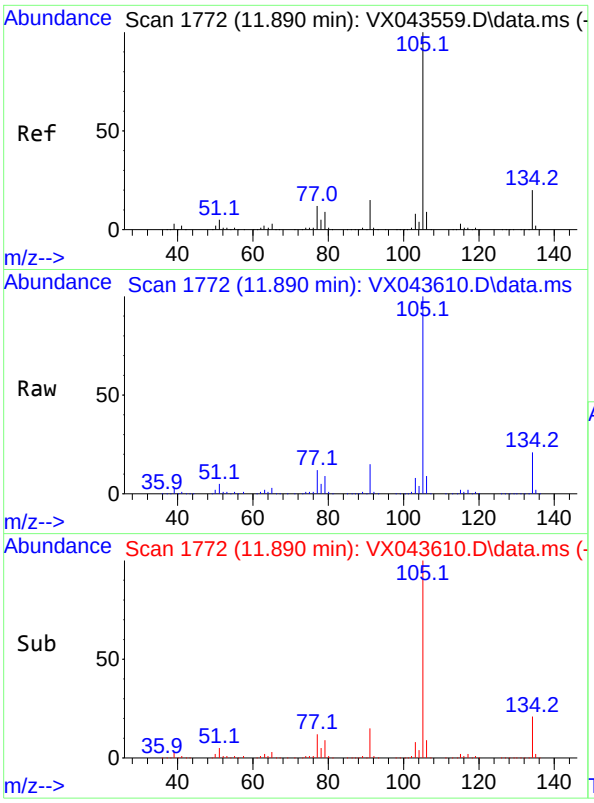


#84
1,2,4-Trimethylbenzene
Concen: 48.385 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:105 Resp: 336881

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.1	66.1



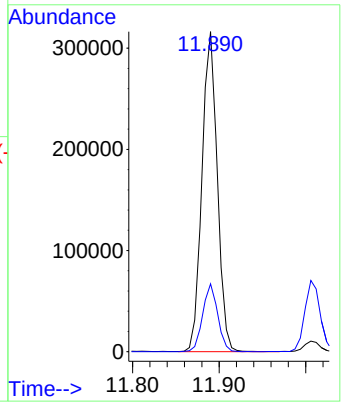


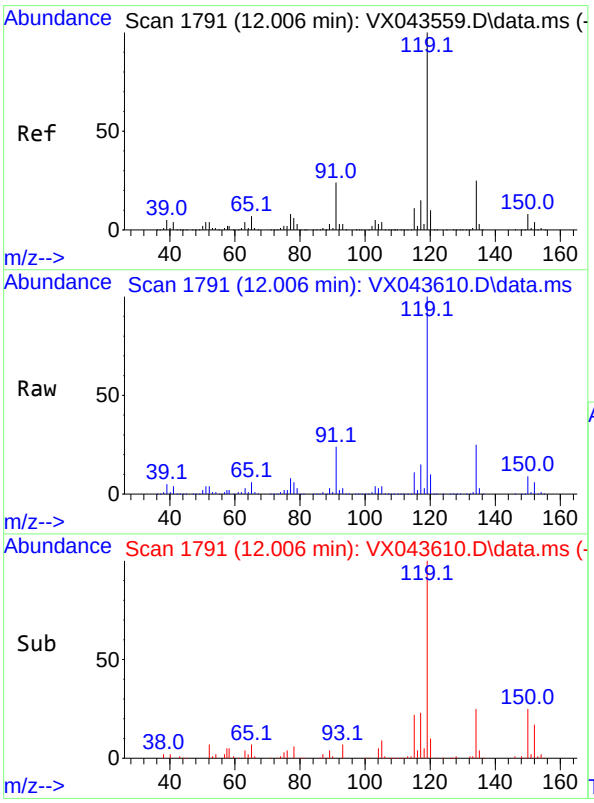
#85
sec-Butylbenzene
Concen: 47.720 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 388641

Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.8	29.5

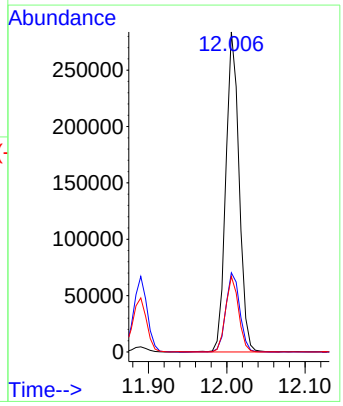


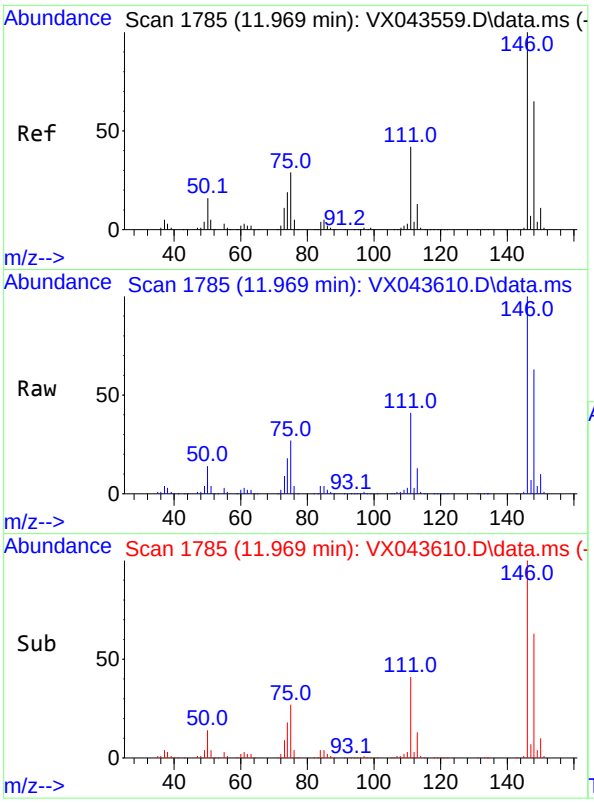


#86
p-Isopropyltoluene
Concen: 48.414 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:119 Resp: 335157

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	23.0	12.4	37.0



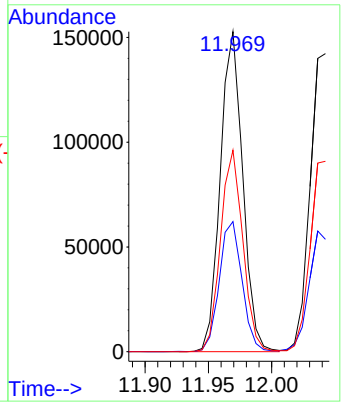


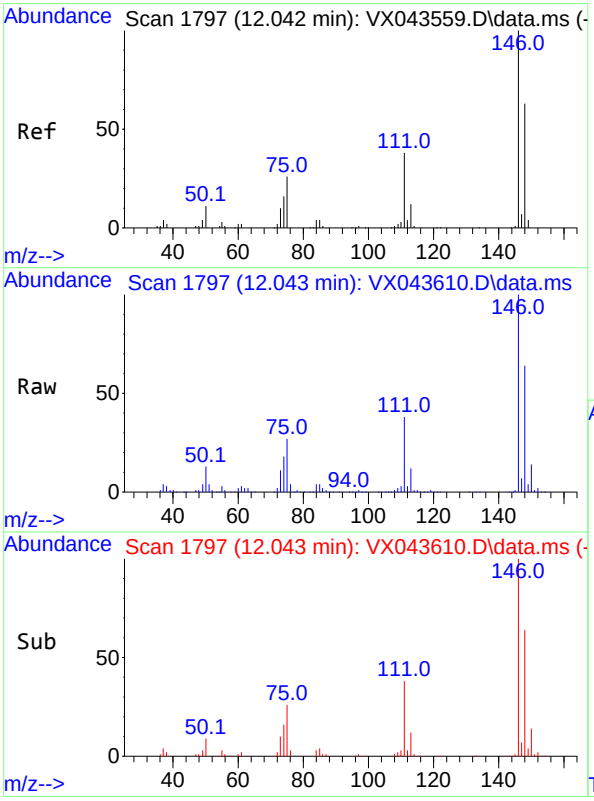
#87
1,3-Dichlorobenzene
Concen: 49.579 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 188015

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.4
148	62.8	31.6	94.8

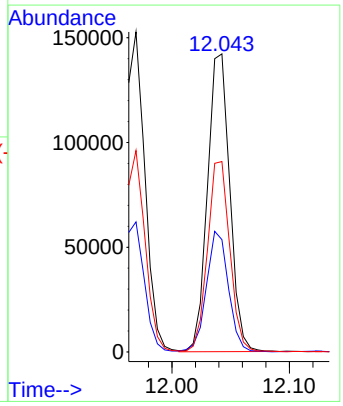


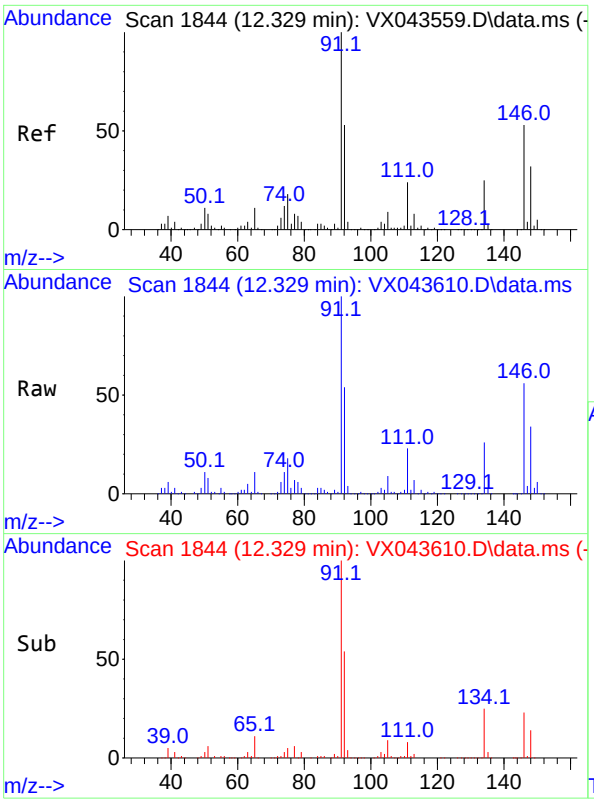


#88
1,4-Dichlorobenzene
Concen: 47.762 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:146 Resp: 187678

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.3
148	64.0	31.9	95.9



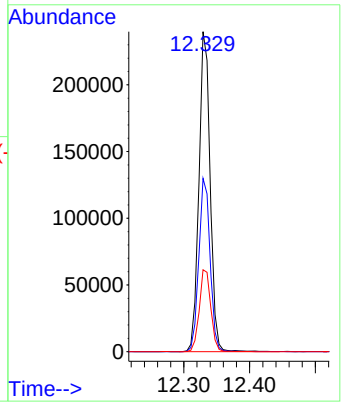


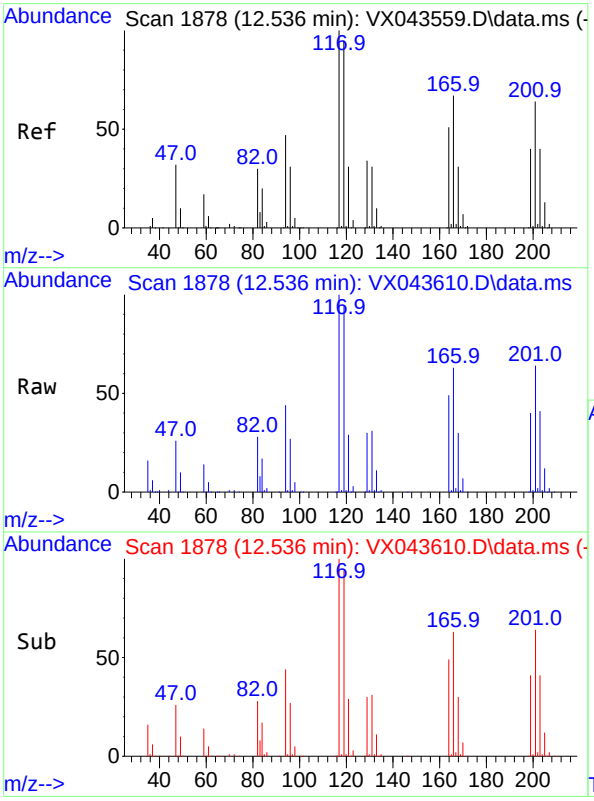
#89
n-Butylbenzene
Concen: 50.210 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 283231

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	26.3	12.9	38.6

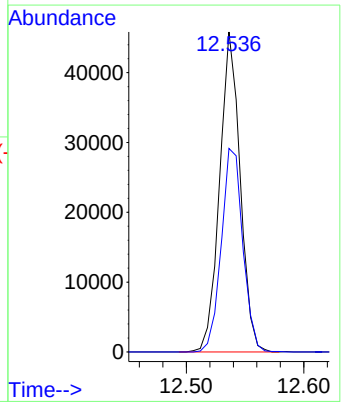


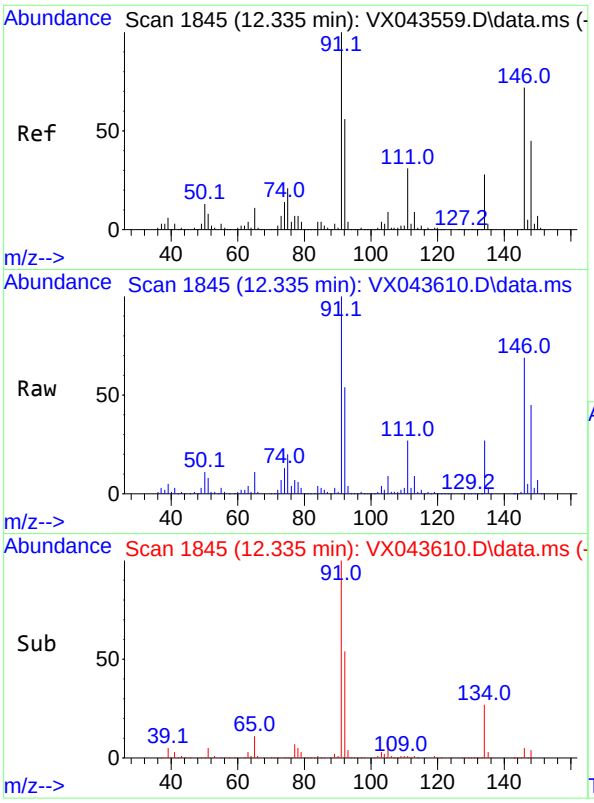


#90
Hexachloroethane
Concen: 49.441 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:117 Resp: 55596

Ion	Ratio	Lower	Upper
117	100		
201	66.7	32.9	98.7



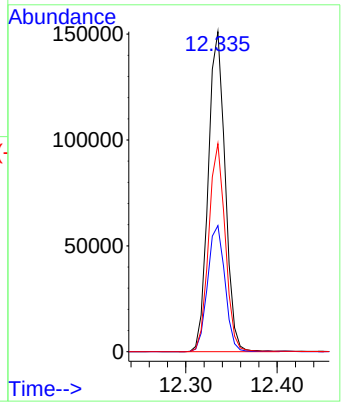


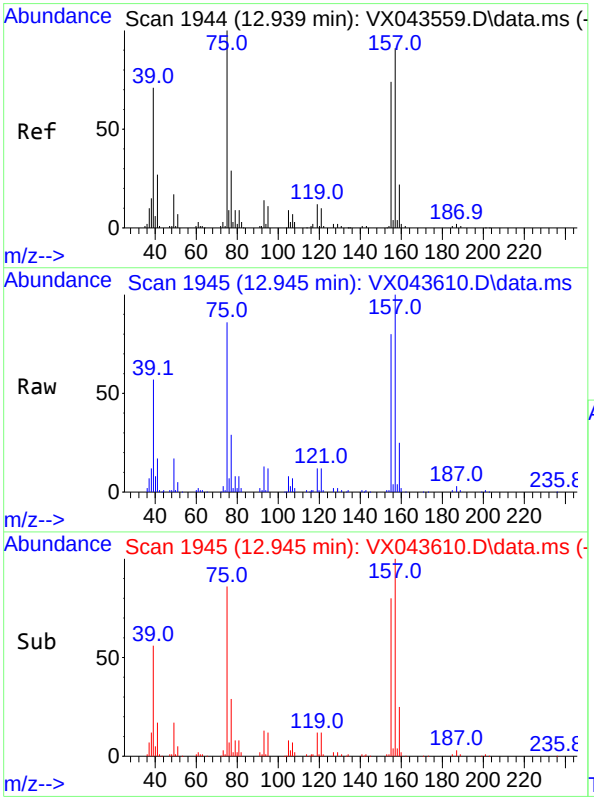
#91
1,2-Dichlorobenzene
Concen: 50.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 194011

Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.6	64.6
148	63.5	31.6	95.0

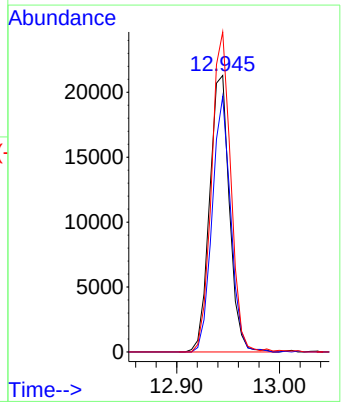


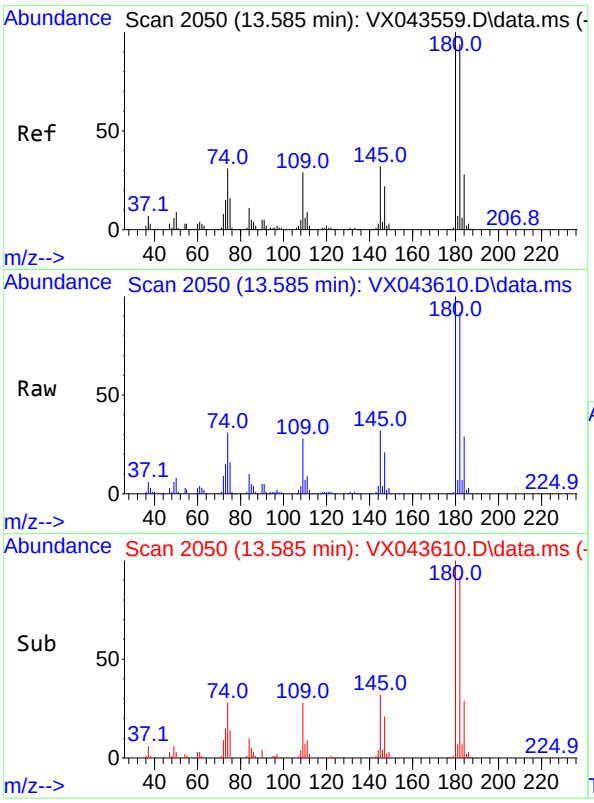


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.454 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion: 75 Resp: 28504

Ion	Ratio	Lower	Upper
75	100		
155	86.3	40.1	120.3
157	112.4	50.8	152.4



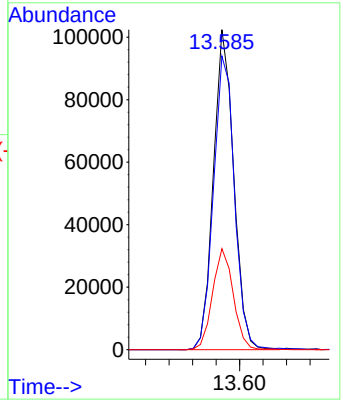


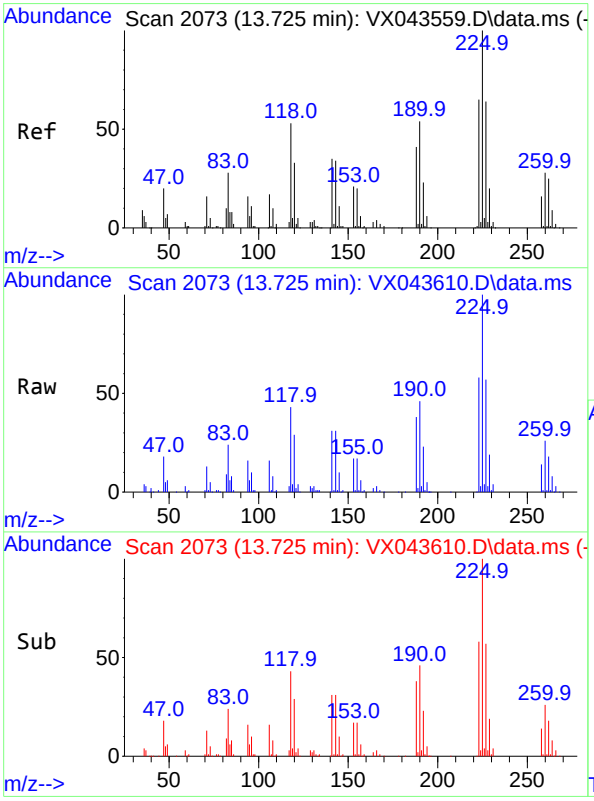
#93
1,2,4-Trichlorobenzene
Concen: 52.231 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 122941

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.4
145	32.3	16.1	48.3

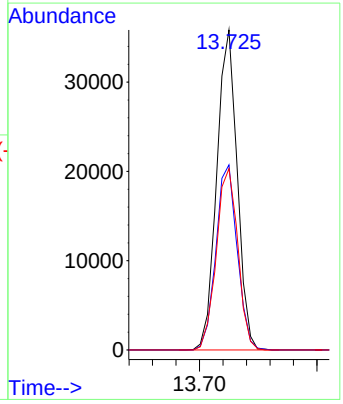


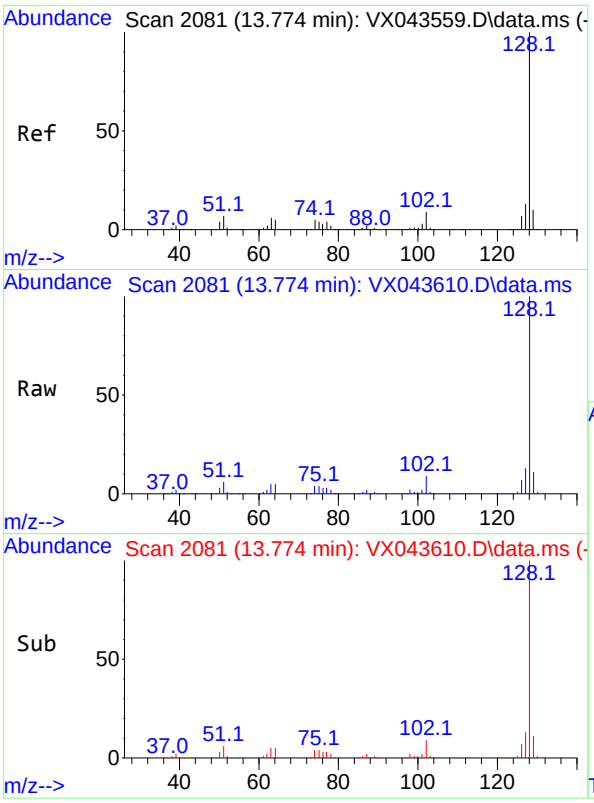


#94
Hexachlorobutadiene
Concen: 49.928 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:225 Resp: 43330

Ion	Ratio	Lower	Upper
225	100		
223	60.3	30.8	92.4
227	59.5	31.6	94.8



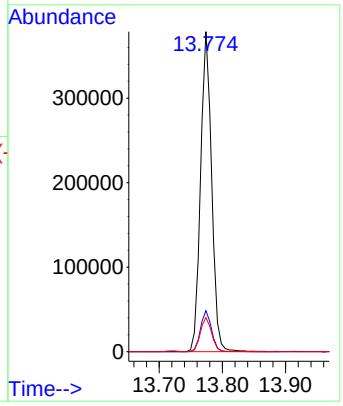


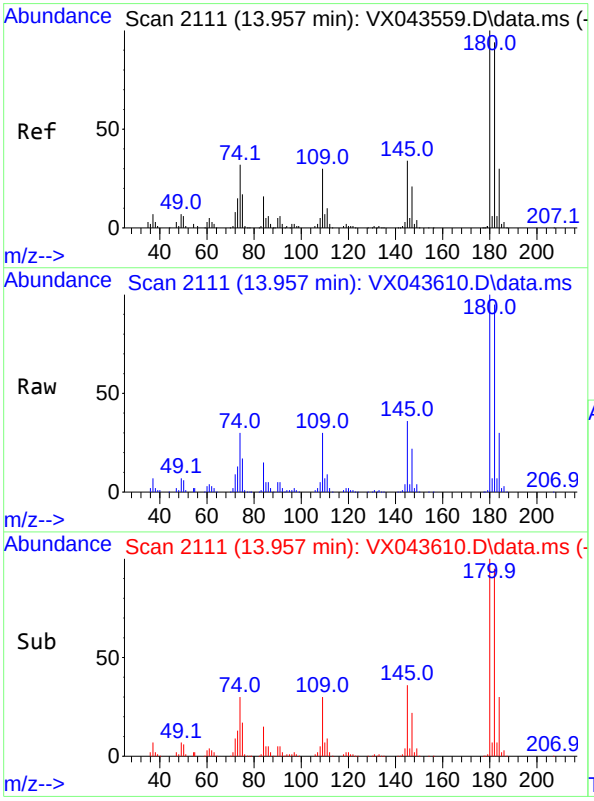
#95
Naphthalene
Concen: 51.219 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 461342

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.7	13.1

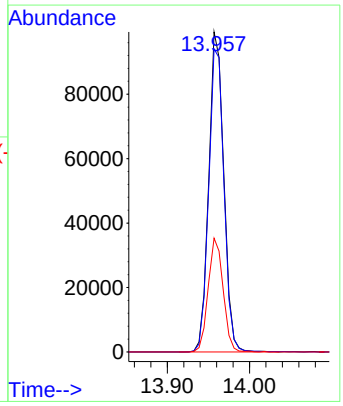




#96
1,2,3-Trichlorobenzene
Concen: 50.894 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043610.D
Acq: 30 Oct 2024 09:26

Tgt Ion:180 Resp: 126305

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.1	141.3
145	35.4	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	148306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108212	45.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.520%			
35) Dibromofluoromethane	5.379	113	87025	48.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	8.647	98	314569	50.612	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	119367	51.829	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27753	17.498	ug/l	98
3) Chloromethane	1.295	50	34439	16.986	ug/l	100
4) Vinyl Chloride	1.374	62	33498	17.803	ug/l	96
5) Bromomethane	1.593	94	14288	18.626	ug/l	93
6) Chloroethane	1.660	64	11760	17.740	ug/l	92
7) Trichlorofluoromethane	1.861	101	40651	17.685	ug/l	99
8) Diethyl Ether	2.130	74	19398	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	29454	18.947	ug/l	96
10) Methyl Iodide	2.441	142	41395	18.431	ug/l	97
11) Tert butyl alcohol	3.008	59	33863	76.720	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	28154	17.722	ug/l	94
13) Acrolein	2.233	56	26661	77.239	ug/l	97
14) Allyl chloride	2.654	41	46642	16.975	ug/l	97
15) Acrylonitrile	3.069	53	98528	98.870	ug/l	99
16) Acetone	2.386	43	93396	99.457	ug/l	100
17) Carbon Disulfide	2.496	76	48946	14.734	ug/l	99
18) Methyl Acetate	2.703	43	50644	18.453	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	113805	18.837	ug/l	98
20) Methylene Chloride	2.782	84	36896	18.230	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	30527	18.189	ug/l	95
22) Diisopropyl ether	3.764	45	107460	18.921	ug/l	96
23) Vinyl Acetate	3.721	43	443752	94.573	ug/l	99
24) 1,1-Dichloroethane	3.599	63	58738	17.994	ug/l	98
25) 2-Butanone	4.568	43	137643	100.482	ug/l	99
26) 2,2-Dichloropropane	4.465	77	47680	17.844	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	40483	18.882	ug/l	98
28) Bromochloromethane	4.891	49	28671	18.463	ug/l	95
29) Tetrahydrofuran	5.013	42	85231	95.744	ug/l	97
30) Chloroform	5.080	83	64399	18.820	ug/l	94
31) Cyclohexane	5.458	56	45048	18.042	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	50740	17.662	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38518	18.092	ug/l	97
37) Ethyl Acetate	4.715	43	51646	19.981	ug/l	98
38) Carbon Tetrachloride	5.666	117	41334	17.571	ug/l	99
39) Methylcyclohexane	7.373	83	50783	19.212	ug/l	100
40) Benzene	6.031	78	135317	19.052	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27603	20.345	ug/l		95
42) 1,2-Dichloroethane	6.080	62	48172	18.866	ug/l		97
43) Isopropyl Acetate	6.336	43	80680	18.875	ug/l		97
44) Trichloroethene	7.123	130	32171	18.233	ug/l		93
45) 1,2-Dichloropropane	7.428	63	33302	19.042	ug/l		100
46) Dibromomethane	7.580	93	25774	19.140	ug/l		95
47) Bromodichloromethane	7.818	83	43771	18.529	ug/l		98
48) Methyl methacrylate	7.696	41	39830	19.653	ug/l		96
49) 1,4-Dioxane	7.671	88	14140	339.602	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	269977	103.625	ug/l		99
52) Toluene	8.714	92	84865	19.702	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	46488	18.322	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	52745	19.511	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	36754	20.499	ug/l		99
56) Ethyl methacrylate	9.116	69	59004	20.253	ug/l		94
57) 1,3-Dichloropropane	9.305	76	61622	20.664	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	140409	99.511	ug/l		97
59) 2-Hexanone	9.433	43	205521	103.864	ug/l		98
60) Dibromochloromethane	9.519	129	34532	19.450	ug/l		100
61) 1,2-Dibromoethane	9.610	107	38155	20.500	ug/l		97
64) Tetrachloroethene	9.269	164	28659	19.064	ug/l		95
65) Chlorobenzene	10.080	112	100050	19.456	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32872	19.571	ug/l		98
67) Ethyl Benzene	10.189	91	159115	18.976	ug/l		98
68) m/p-Xylenes	10.299	106	126258	39.374	ug/l		94
69) o-Xylene	10.640	106	64722	20.088	ug/l		95
70) Styrene	10.653	104	108183	20.202	ug/l		99
71) Bromoform	10.799	173	22030	18.241	ug/l	#	97
73) Isopropylbenzene	10.964	105	156713	18.755	ug/l		100
74) N-amyl acetate	10.842	43	73630	18.089	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	58265	19.391	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	63100	25.018	ug/l		81
77) Bromobenzene	11.195	156	42214	19.565	ug/l		96
78) n-propylbenzene	11.305	91	172894	18.977	ug/l		98
79) 2-Chlorotoluene	11.366	91	112270	18.584	ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	134164	19.257	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	15721	17.148	ug/l		96
82) 4-Chlorotoluene	11.451	91	128383	18.933	ug/l		96
83) tert-Butylbenzene	11.713	119	134426	18.972	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	136562	19.234	ug/l		97
85) sec-Butylbenzene	11.890	105	160544	19.331	ug/l		99
86) p-Isopropyltoluene	12.006	119	136876	19.389	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	73659	19.047	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	76016	18.970	ug/l		100
89) n-Butylbenzene	12.329	91	109400	19.018	ug/l		99
90) Hexachloroethane	12.536	117	20716	18.065	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	79439	20.088	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10780	17.599	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	47511	19.794	ug/l		99
94) Hexachlorobutadiene	13.725	225	16964	19.168	ug/l		98
95) Naphthalene	13.774	128	179816	19.576	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	48793	19.280	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

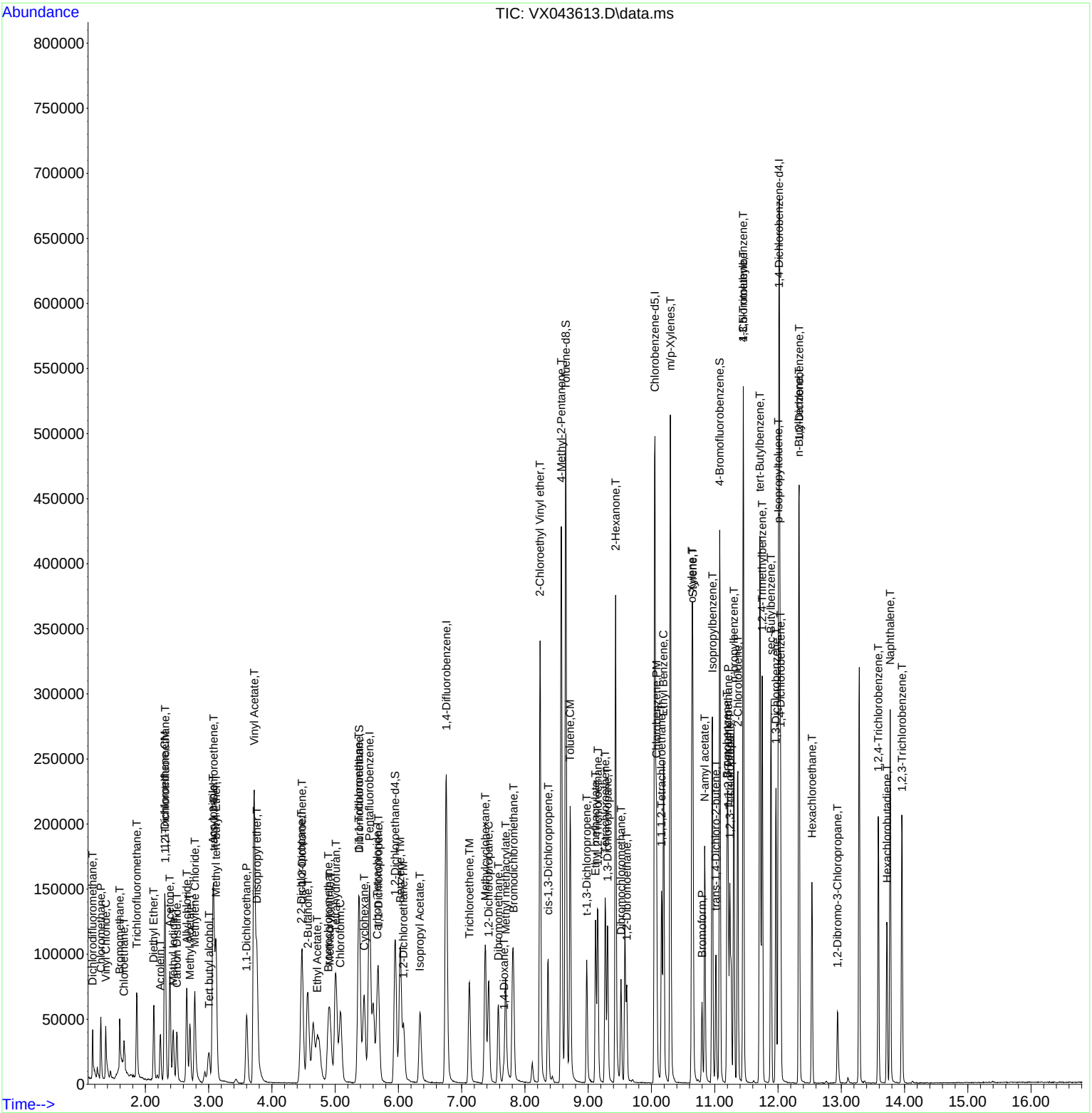
(#) = qualifier out of range (m) = manual integration (+) = signals summed

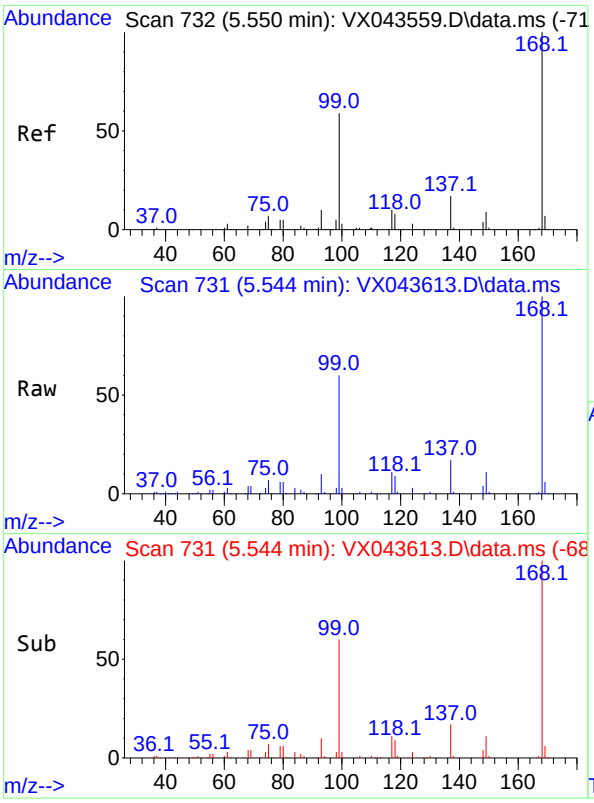
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



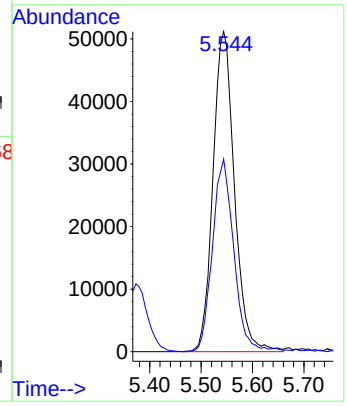


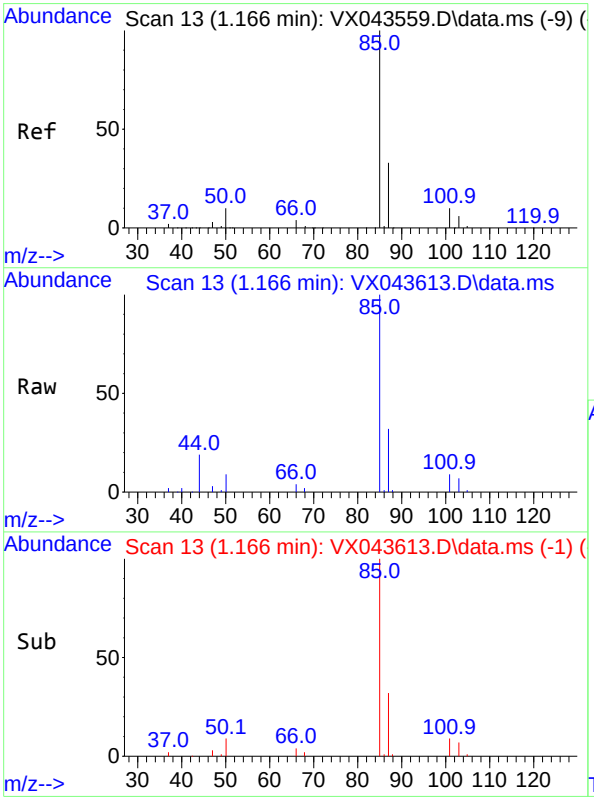
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:168 Resp: 148306

Ion	Ratio	Lower	Upper
168	100		
99	60.2	52.6	78.8

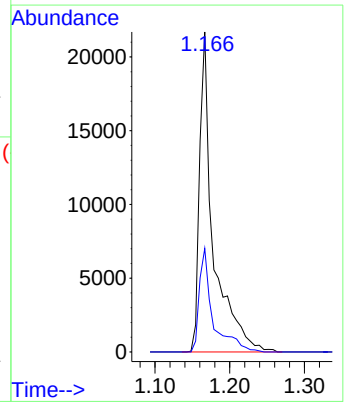


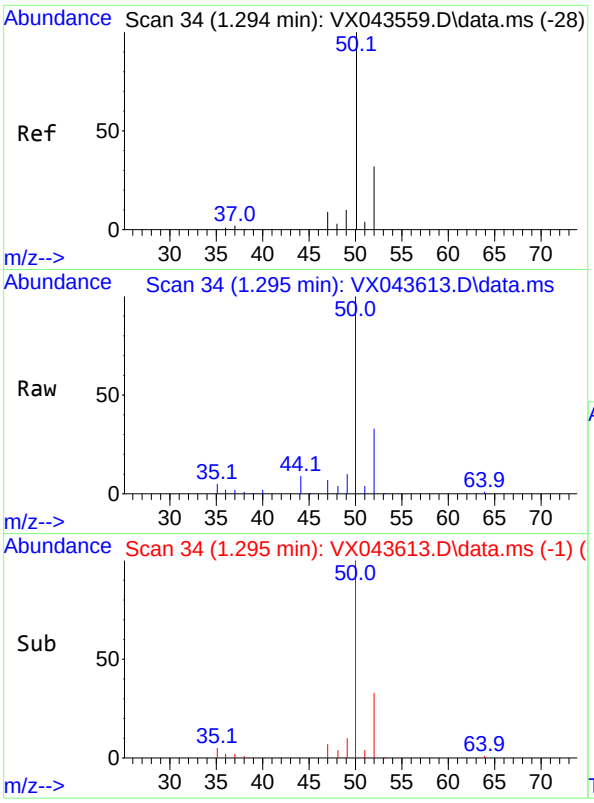


#2
Dichlorodifluoromethane
Concen: 17.498 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 85 Resp: 27753

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.0



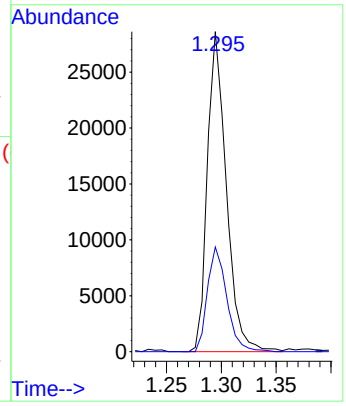


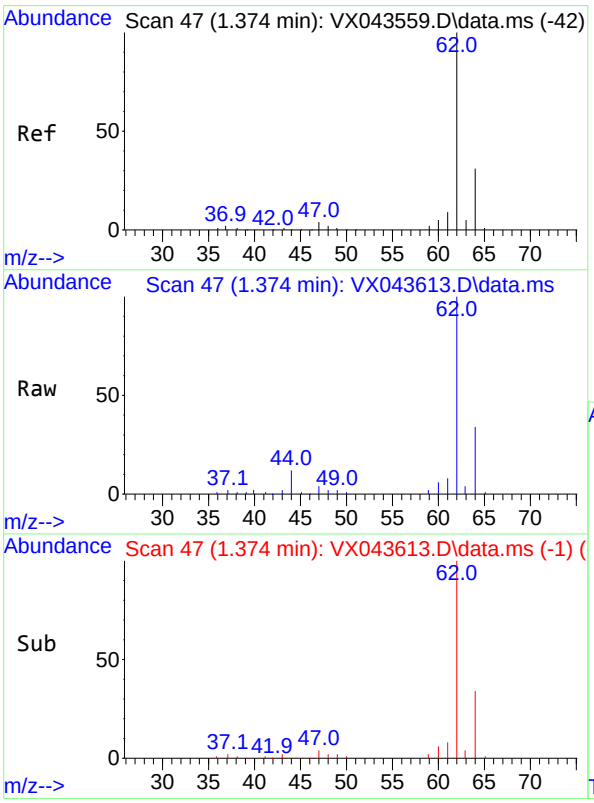
#3
Chloromethane
Concen: 16.986 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 50 Resp: 34439

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5

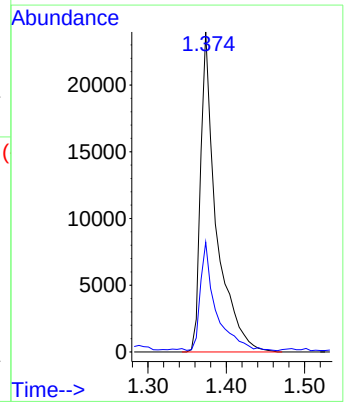


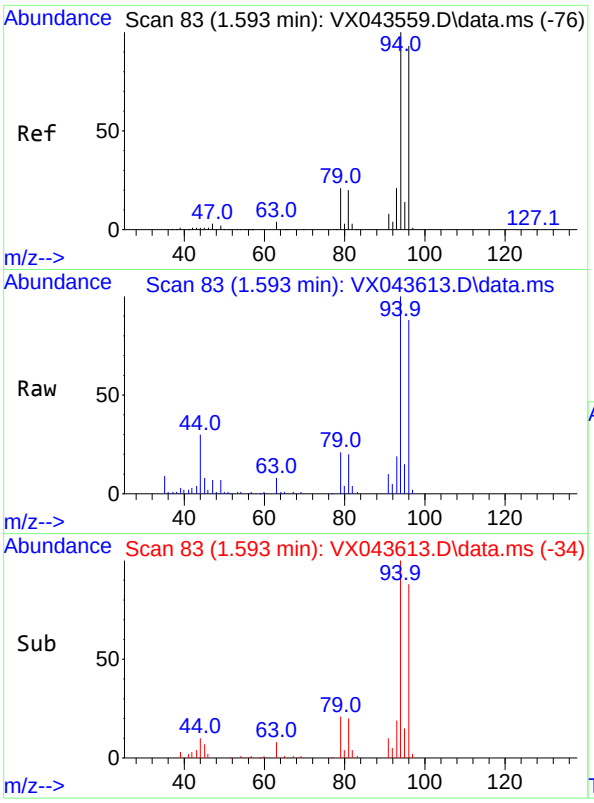


#4
Vinyl Chloride
Concen: 17.803 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 62 Resp: 33498

Ion	Ratio	Lower	Upper
62	100		
64	33.6	25.0	37.4



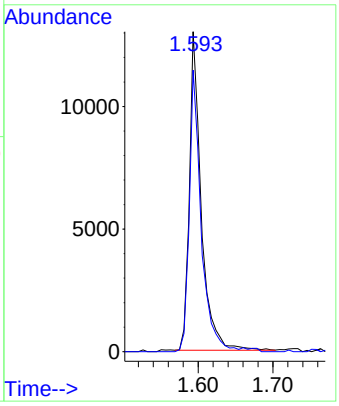


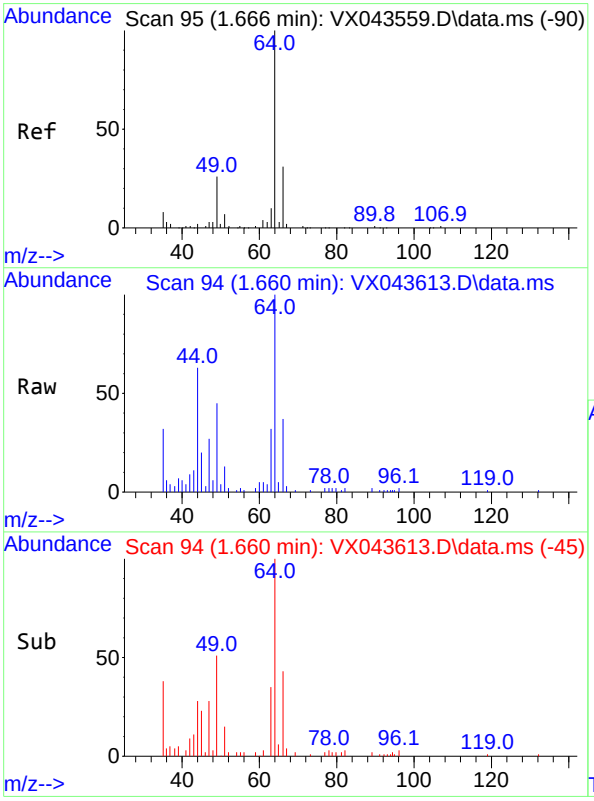
#5
Bromomethane
Concen: 18.626 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 94 Resp: 14288

Ion	Ratio	Lower	Upper
94	100		
96	88.3	75.9	113.9

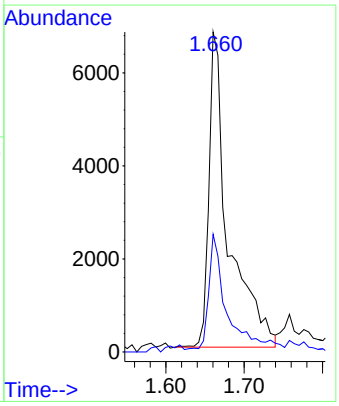


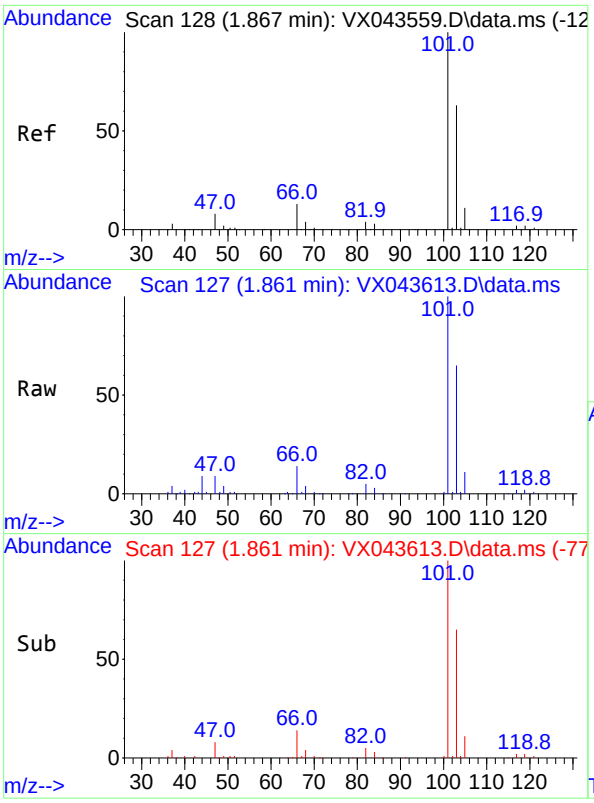


#6
Chloroethane
Concen: 17.740 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 64 Resp: 11760

Ion	Ratio	Lower	Upper
64	100		
66	36.0	25.1	37.7



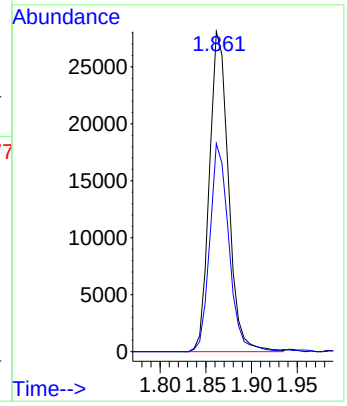


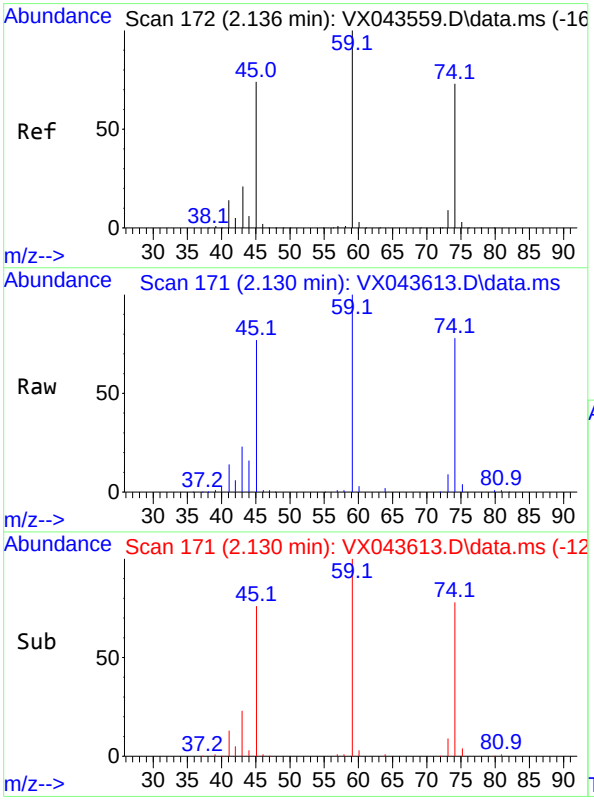
#7
Trichlorofluoromethane
Concen: 17.685 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:101 Resp: 40651

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.3	76.9

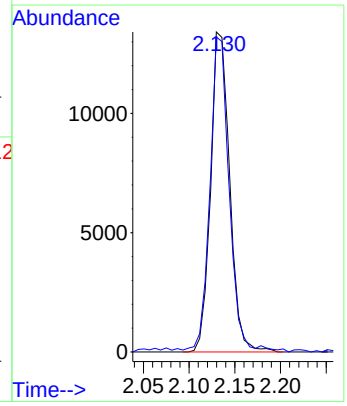


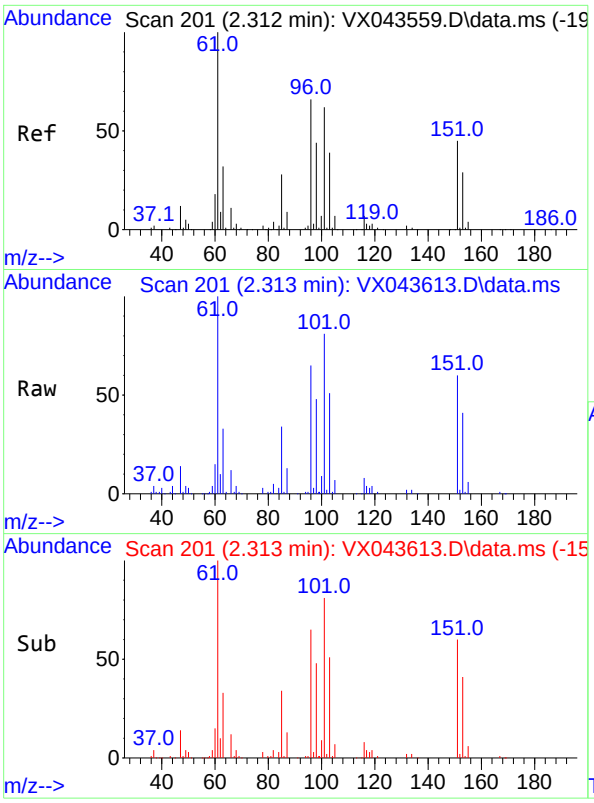


#8
Diethyl Ether
Concen: 18.264 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 74 Resp: 19398

Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.5	142.5



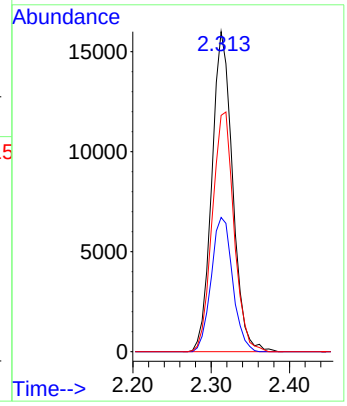


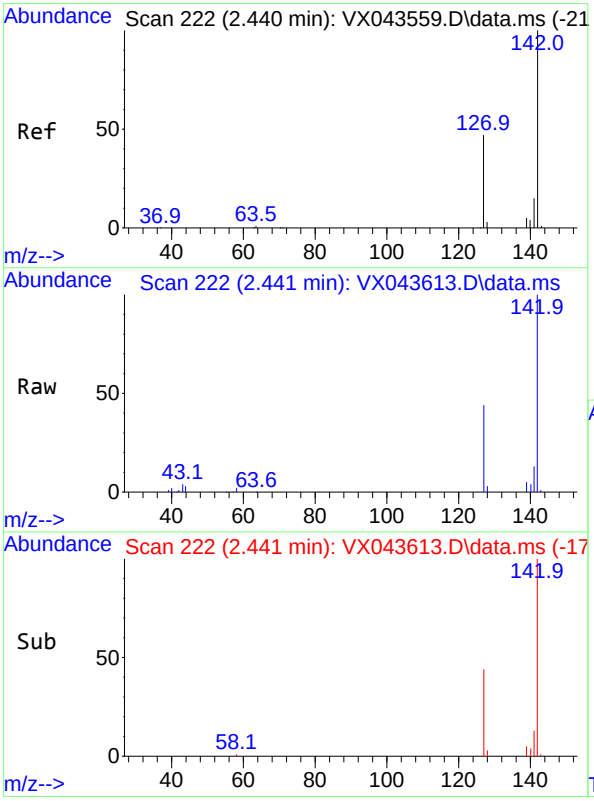
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.947 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:101 Resp: 29454

Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.5	51.7
151	78.2	58.2	87.2

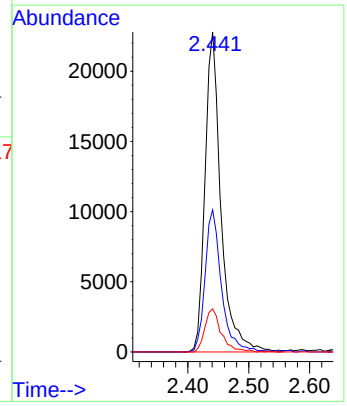


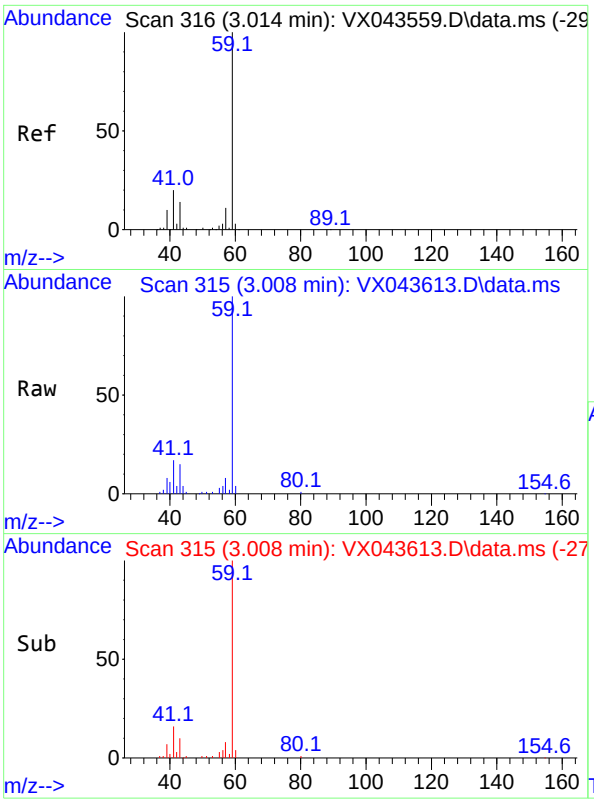


#10
Methyl Iodide
Concen: 18.431 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:142 Resp: 41395

Ion	Ratio	Lower	Upper
142	100		
127	45.6	38.2	57.4
141	13.8	11.5	17.3



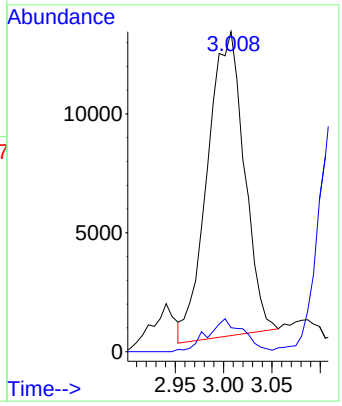


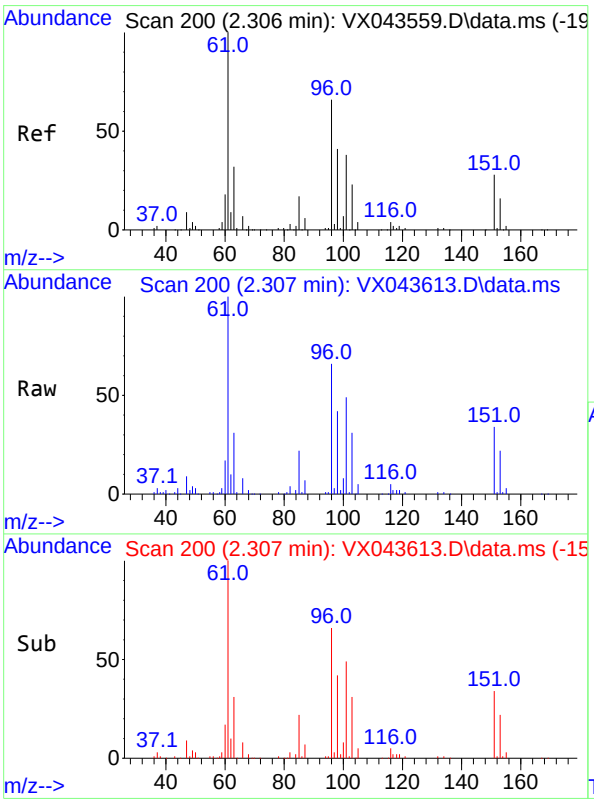
#11
Tert butyl alcohol
Concen: 76.720 ug/l
RT: 3.008 min Scan# 3
Delta R.T. -0.042 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 59 Resp: 33863

Ion	Ratio	Lower	Upper
59	100		
57	10.7	0.0	0.0#

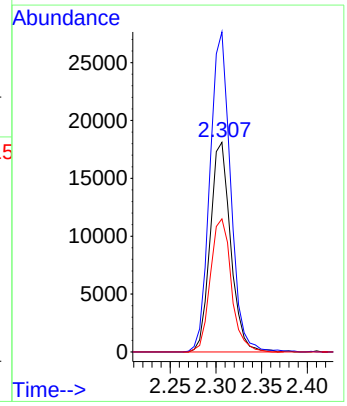


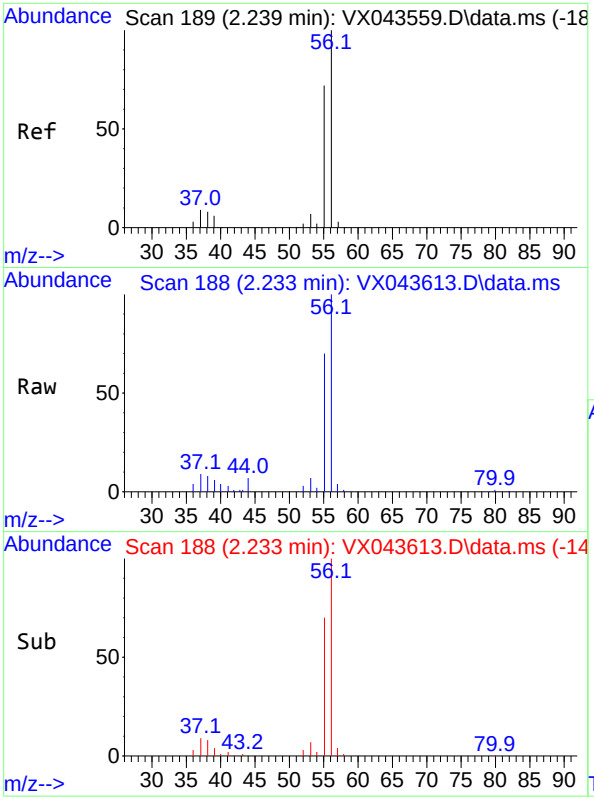


#12
1,1-Dichloroethene
Concen: 17.722 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 96 Resp: 28154

Ion	Ratio	Lower	Upper
96	100		
61	152.7	130.2	195.4
98	63.5	51.0	76.6



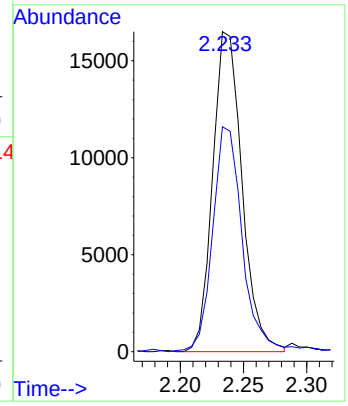


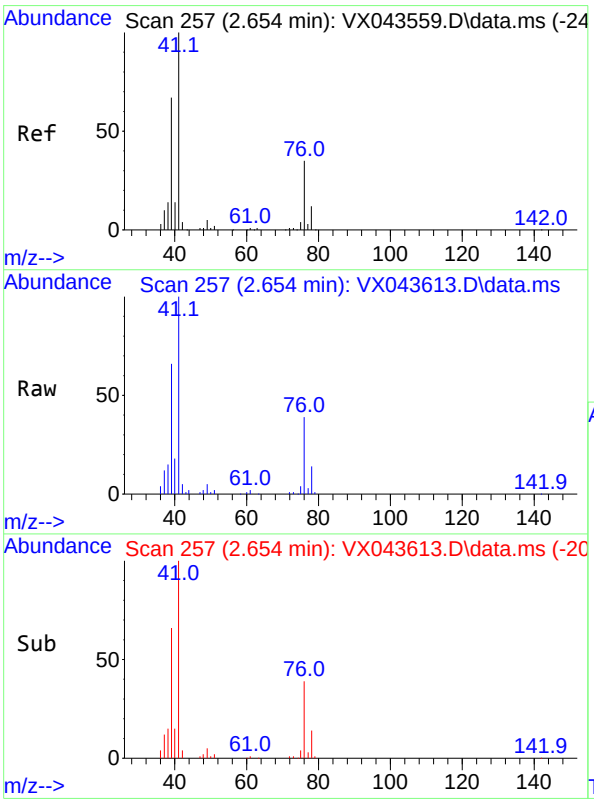
#13
Acrolein
Concen: 77.239 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 56 Resp: 26661

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.3	82.9

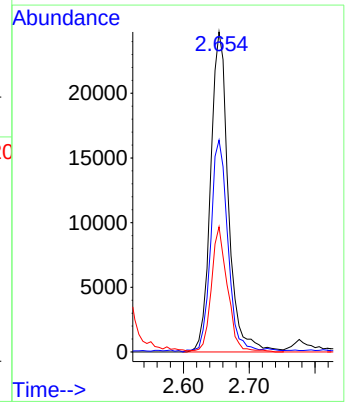


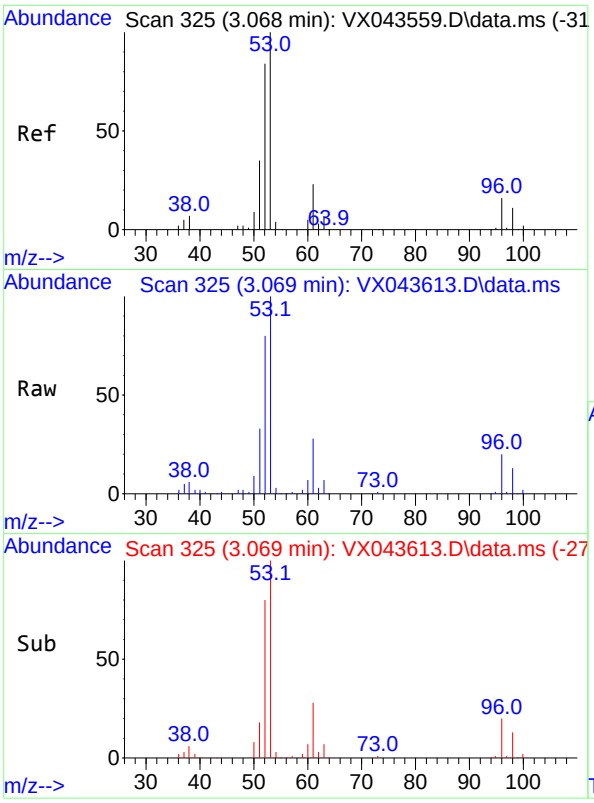


#14
Allyl chloride
Concen: 16.975 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 41 Resp: 46642

Ion	Ratio	Lower	Upper
41	100		
39	63.8	53.2	79.8
76	35.4	27.0	40.6



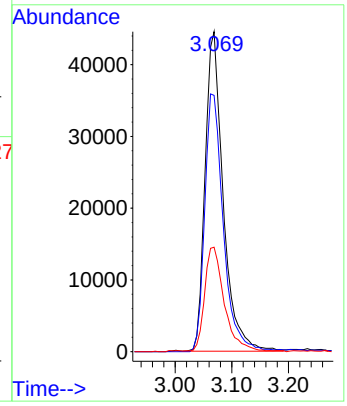


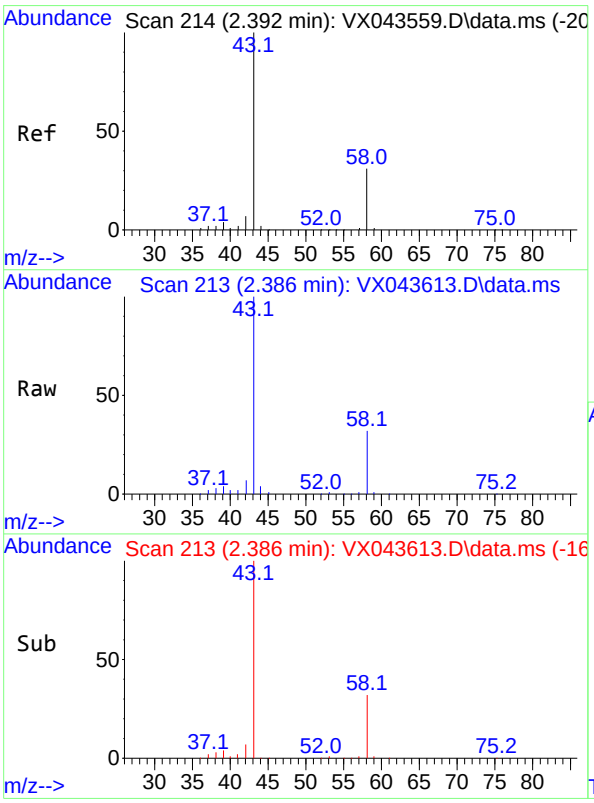
#15
Acrylonitrile
Concen: 98.870 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 53 Resp: 98528

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.8	98.6
51	35.0	28.5	42.7

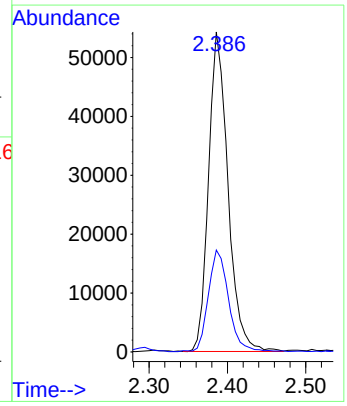


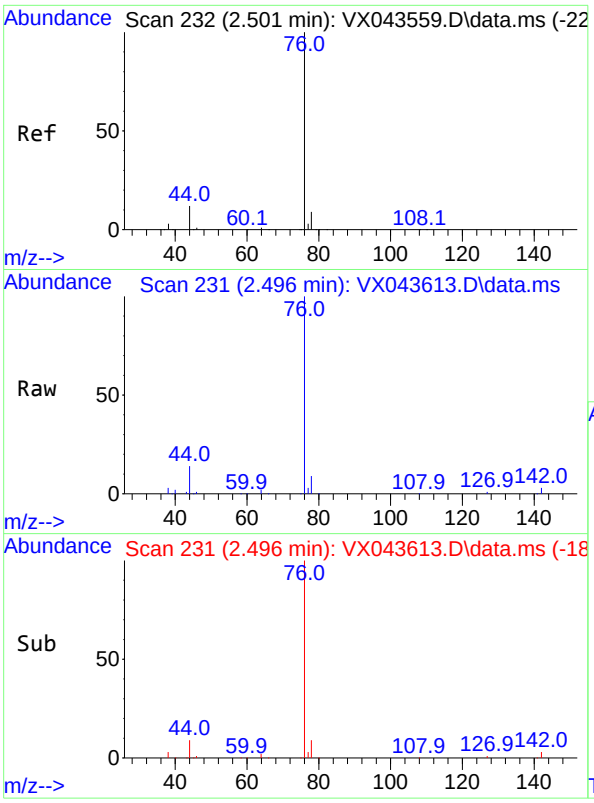


#16
Acetone
Concen: 99.457 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 93396

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.1	37.7



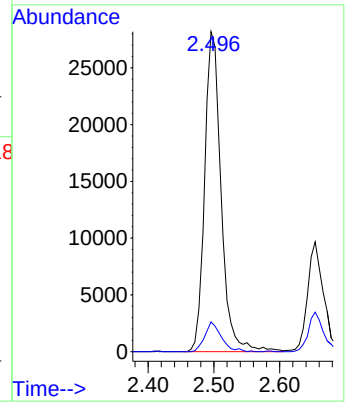


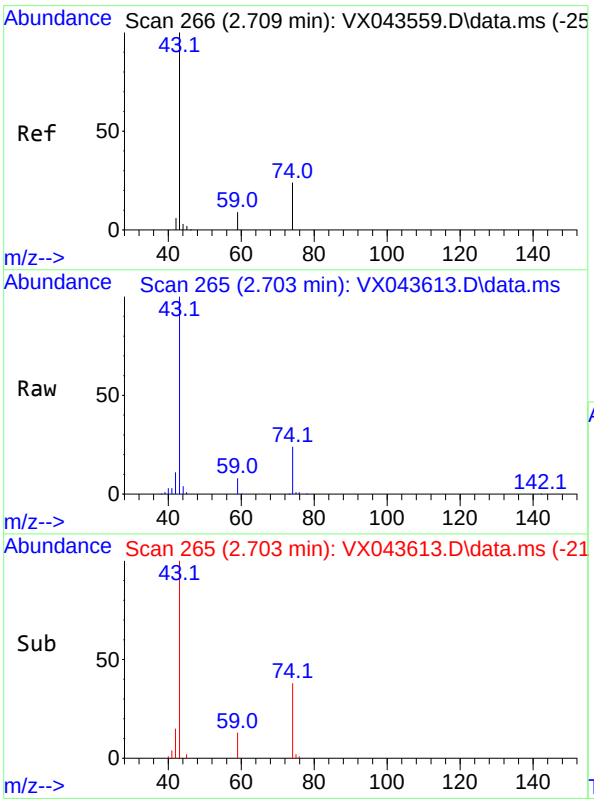
#17
Carbon Disulfide
Concen: 14.734 ug/l
RT: 2.496 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 76 Resp: 48946

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

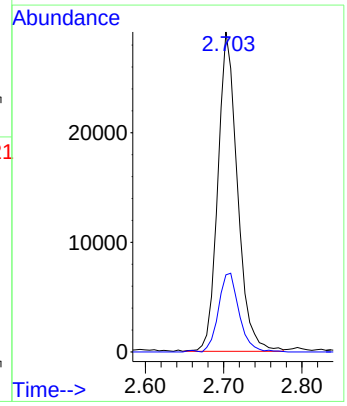


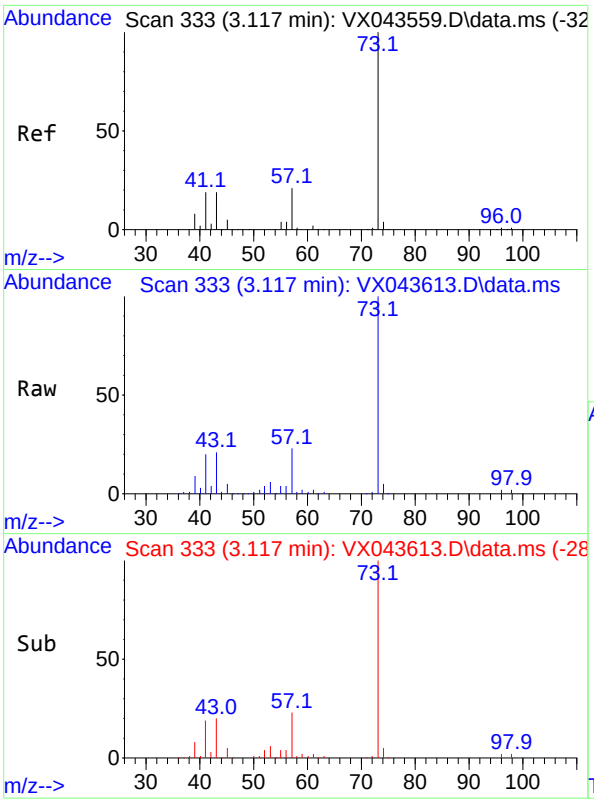


#18
Methyl Acetate
Concen: 18.453 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 50644

Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.1	28.7



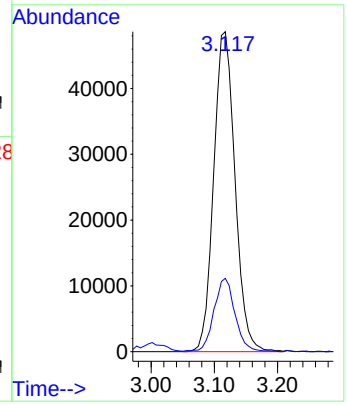


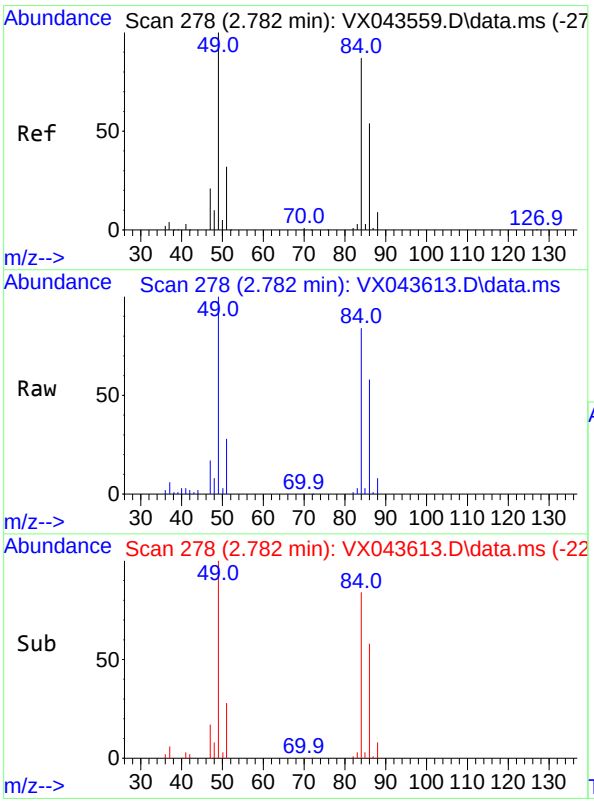
#19
Methyl tert-butyl Ether
Concen: 18.837 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 73 Resp: 113805

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

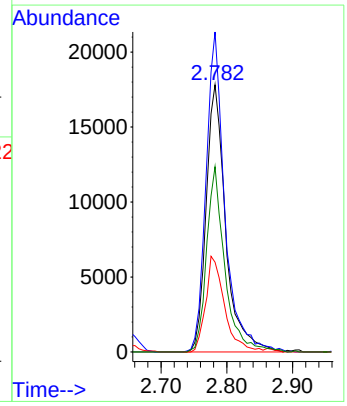


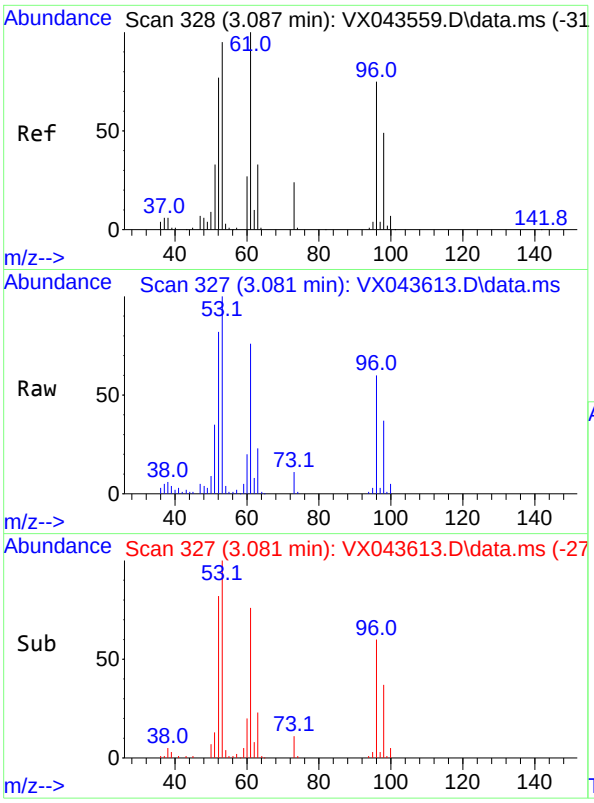


#20
Methylene Chloride
Concen: 18.230 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 84 Resp: 36896

Ion	Ratio	Lower	Upper
84	100		
49	119.7	97.0	145.6
51	33.6	29.8	44.8
86	69.4	53.1	79.7



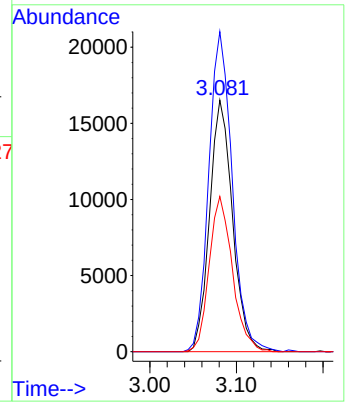


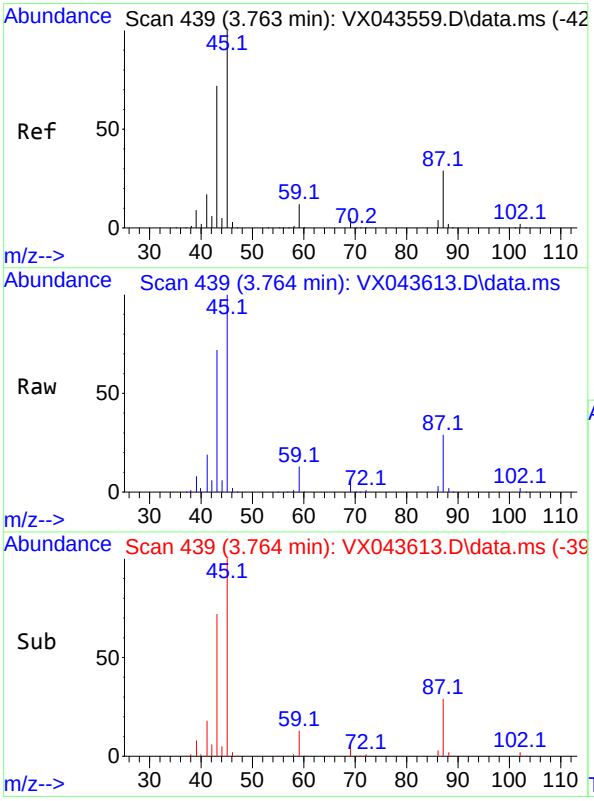
#21
trans-1,2-Dichloroethene
Concen: 18.189 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 96 Resp: 30527

Ion	Ratio	Lower	Upper
96	100		
61	127.3	107.1	160.7
98	61.7	47.7	71.5

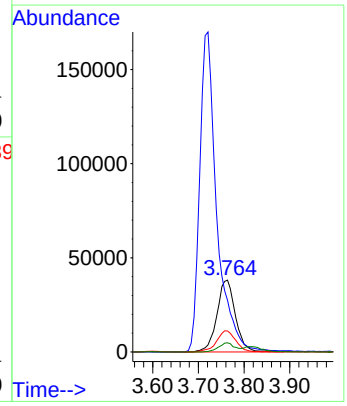


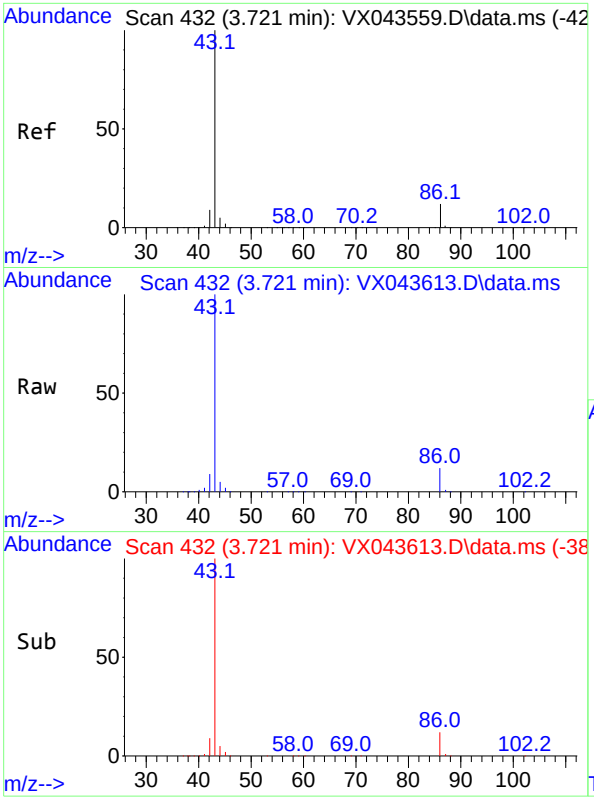


#22
Diisopropyl ether
Concen: 18.921 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 45 Resp: 107460

Ion	Ratio	Lower	Upper
45	100		
43	72.0	60.6	90.8
87	29.1	22.0	33.0
59	12.7	9.5	14.3



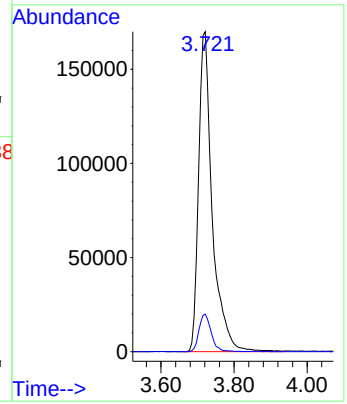


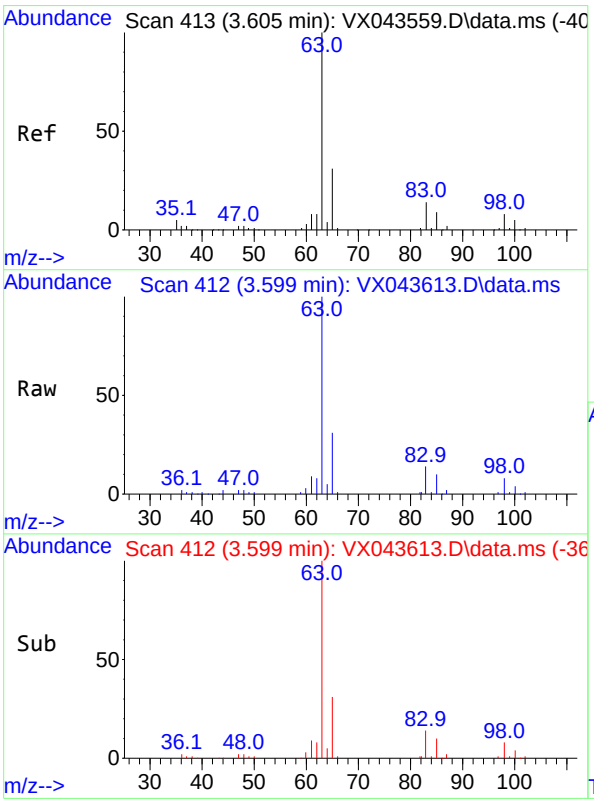
#23
Vinyl Acetate
Concen: 94.573 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 443752

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

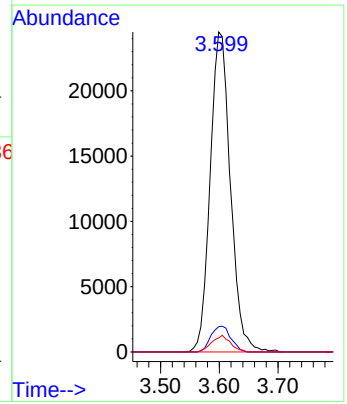


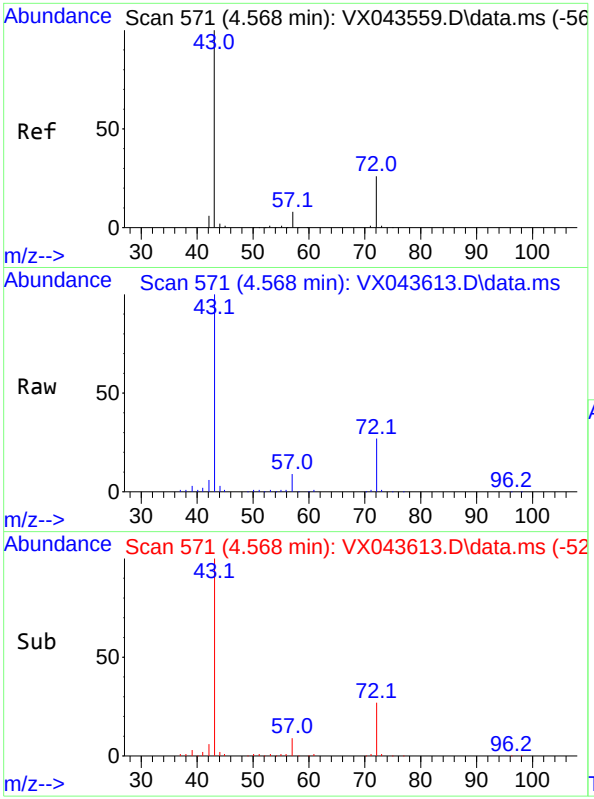


#24
1,1-Dichloroethane
Concen: 17.994 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 63 Resp: 58738

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.4
100	4.4	2.4	7.2



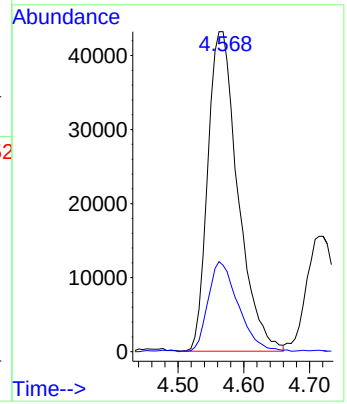


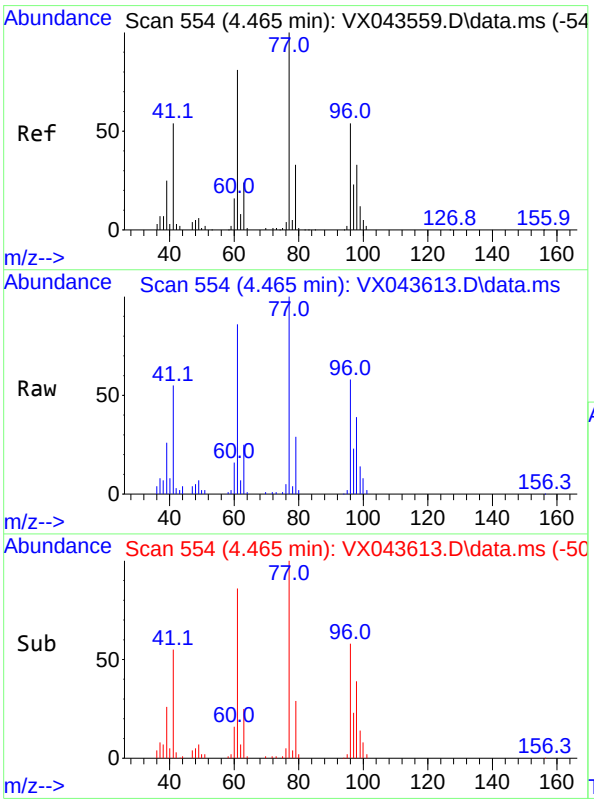
#25
2-Butanone
Concen: 100.482 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 137643

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.1	31.7

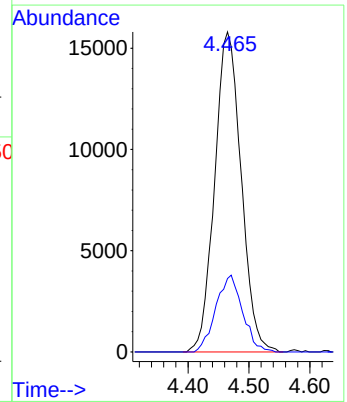


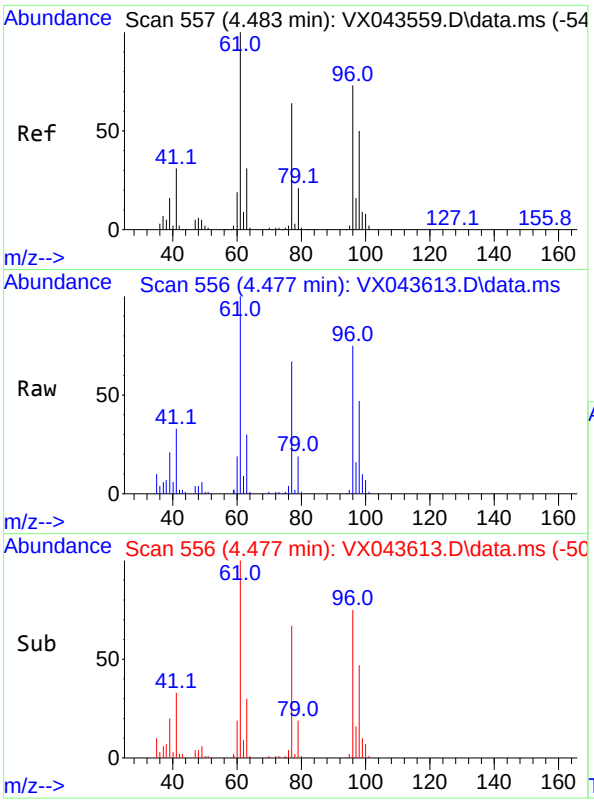


#26
2,2-Dichloropropane
Concen: 17.844 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 77 Resp: 47680

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.6	34.8



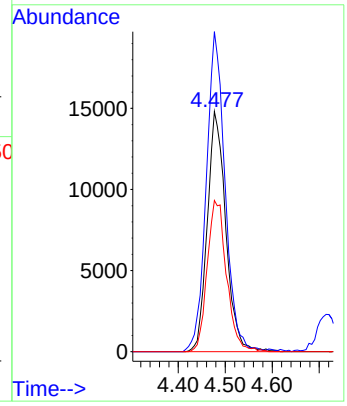


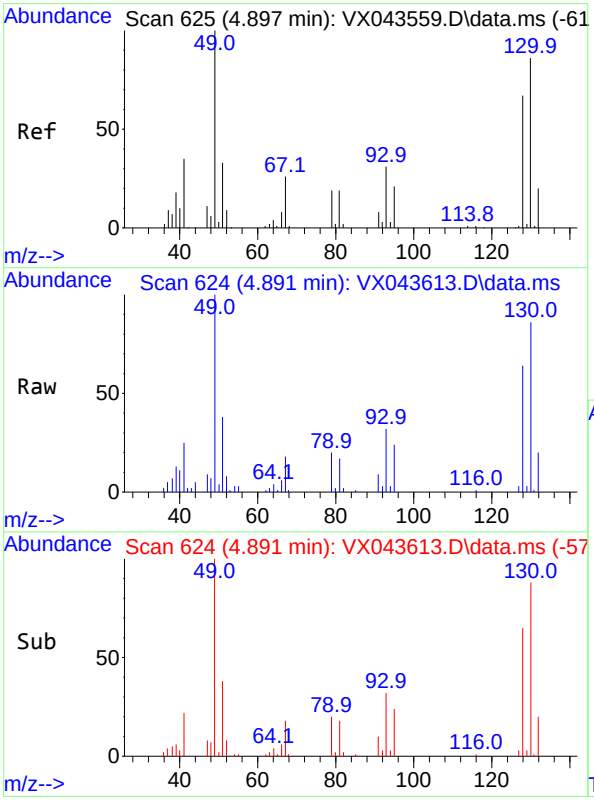
#27
cis-1,2-Dichloroethene
Concen: 18.882 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 96 Resp: 40483

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	277.2
98	65.8	0.0	131.6

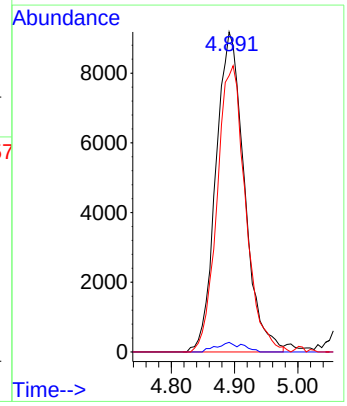


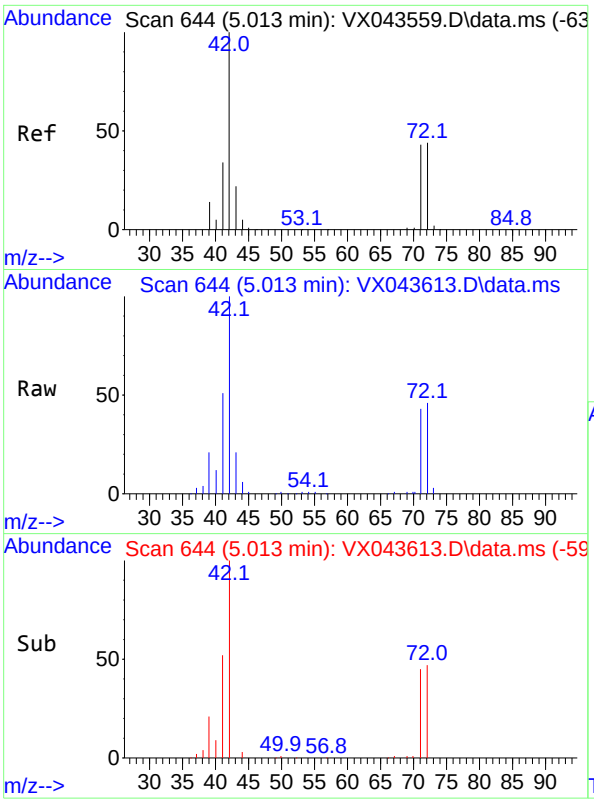


#28
Bromochloromethane
Concen: 18.463 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 49 Resp: 28671

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	89.0	67.8	101.8



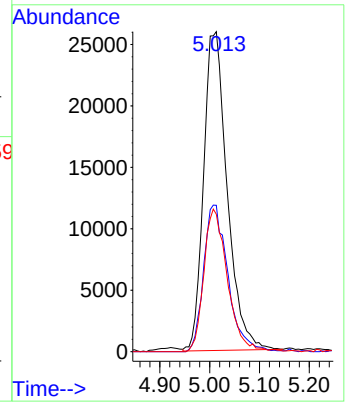


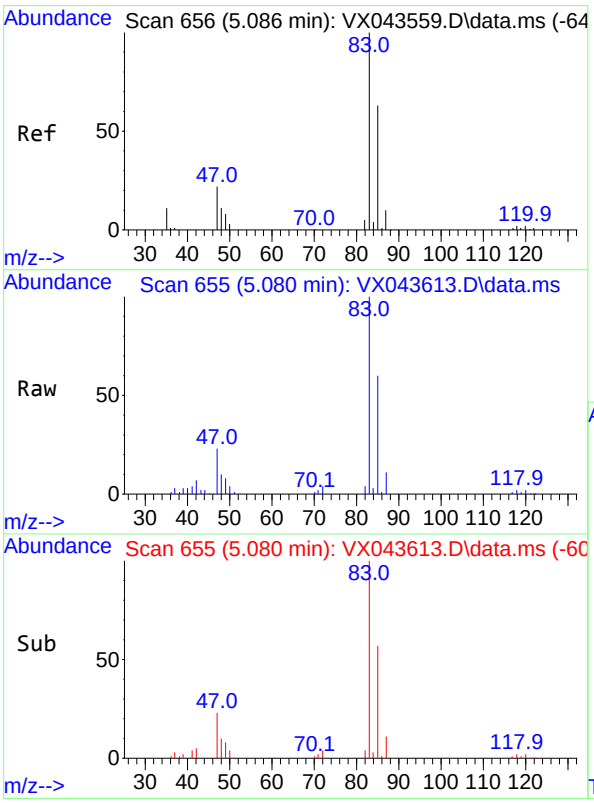
#29
Tetrahydrofuran
Concen: 95.744 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 42 Resp: 85231

Ion	Ratio	Lower	Upper
42	100		
72	47.6	36.6	55.0
71	44.6	34.2	51.4

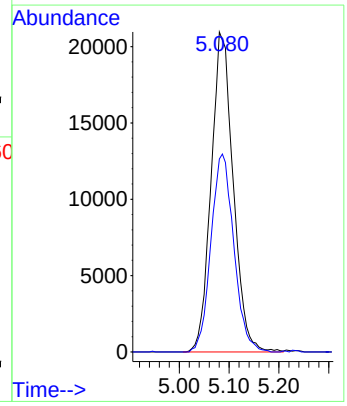


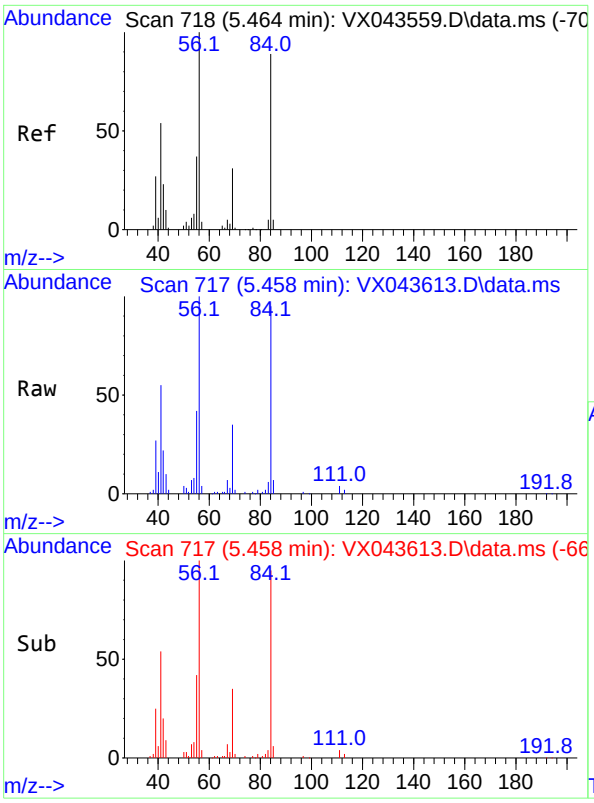


#30
Chloroform
Concen: 18.820 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.012 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 83 Resp: 64399

Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.2	78.4



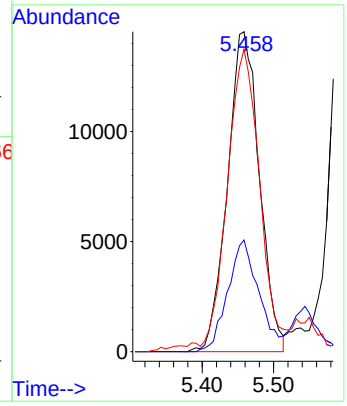


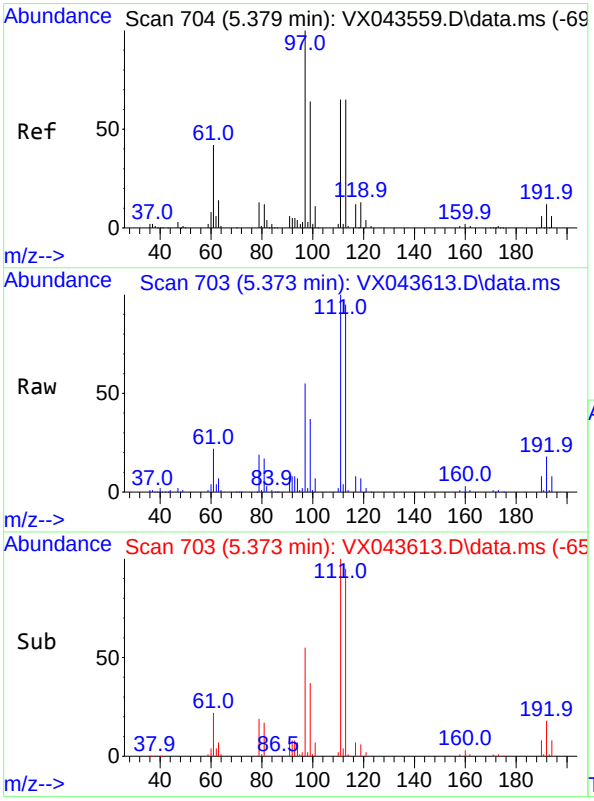
#31
Cyclohexane
Concen: 18.042 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 56 Resp: 45048

Ion	Ratio	Lower	Upper
56	100		
69	34.9	24.9	37.3
84	92.7	73.3	109.9

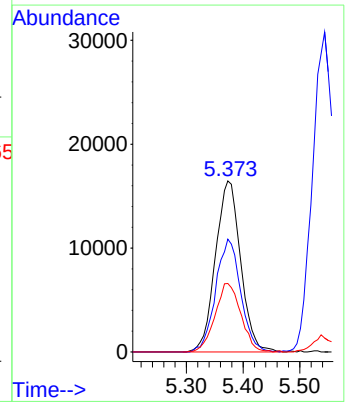


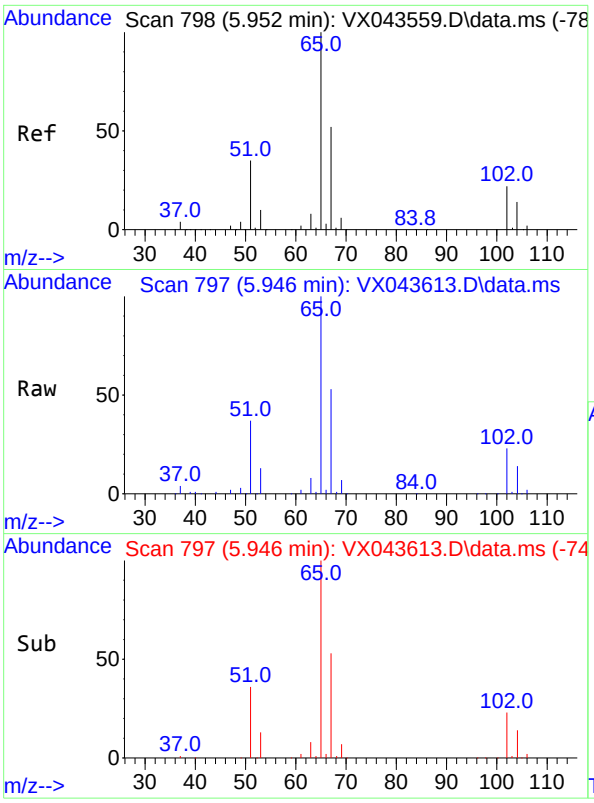


#32
1,1,1-Trichloroethane
Concen: 17.662 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 97 Resp: 50740

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	41.1	34.0	51.0



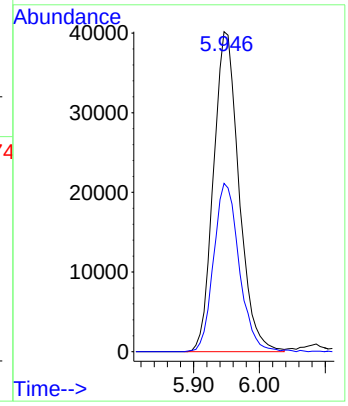


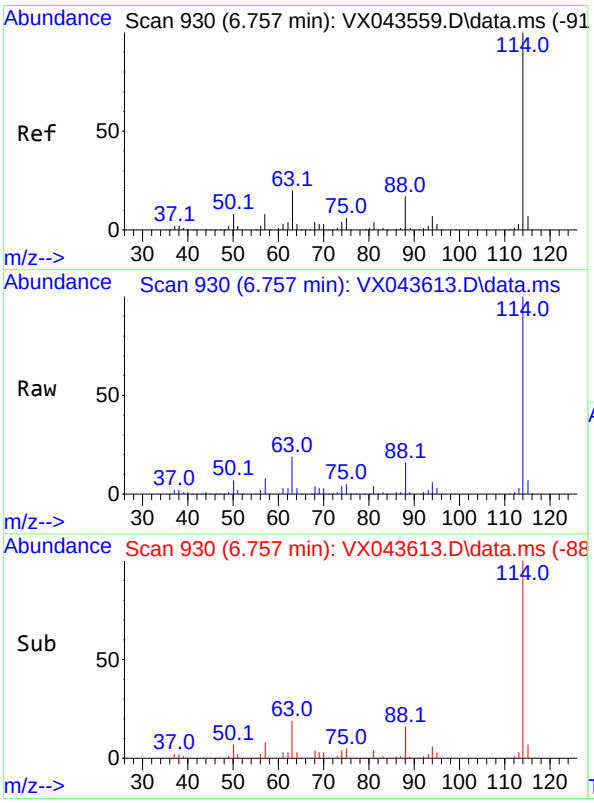
#33
1,2-Dichloroethane-d4
Concen: 45.760 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 65 Resp: 108212

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.4

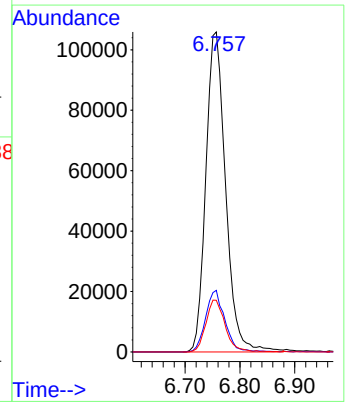


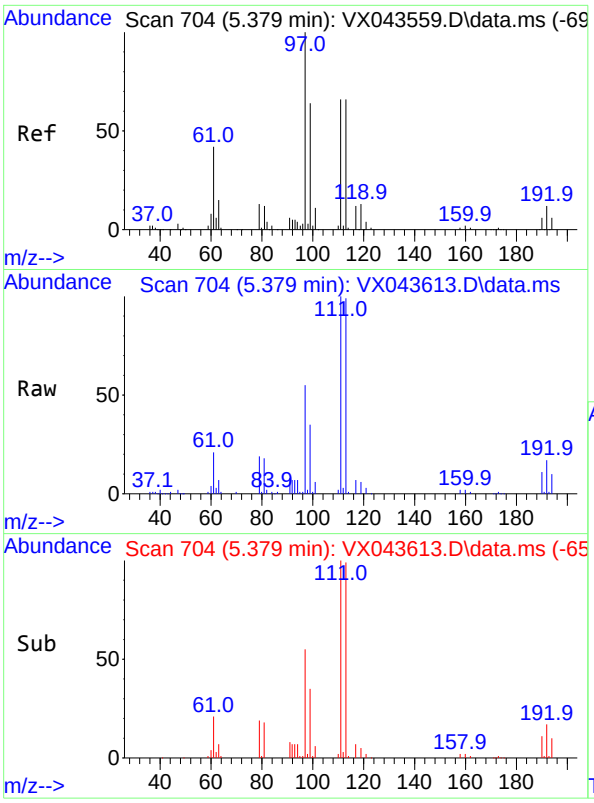


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:114 Resp: 264784

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	16.1	0.0	34.0



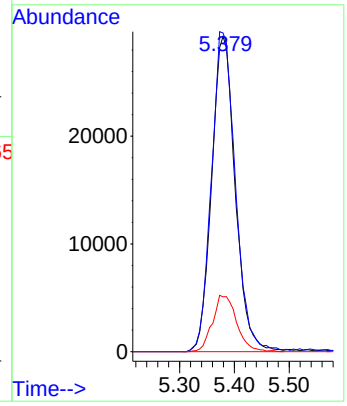


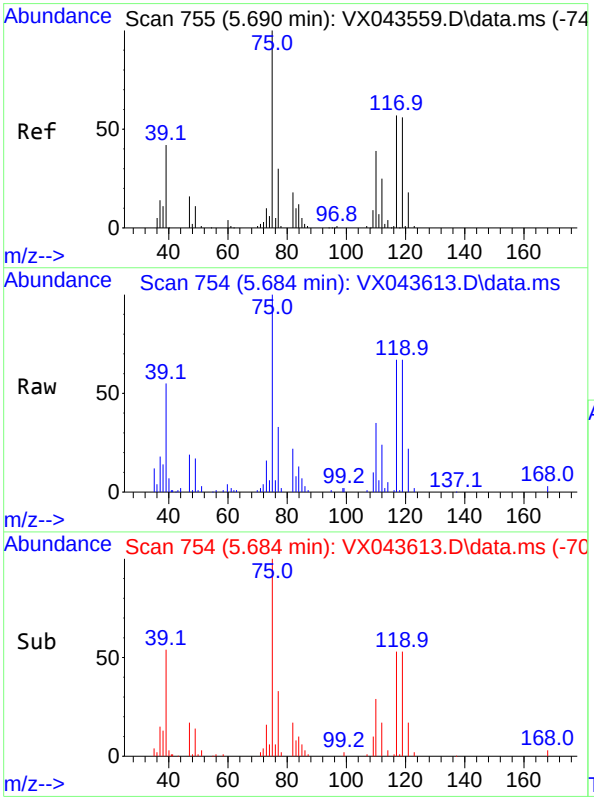
#35
Dibromofluoromethane
Concen: 48.469 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:113 Resp: 87025

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.0
192	18.3	14.1	21.1

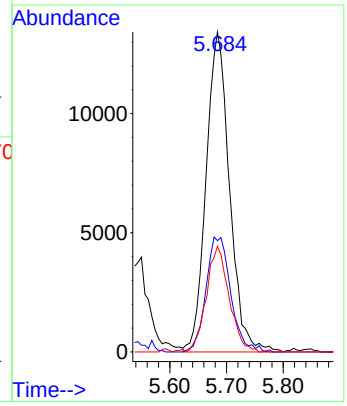


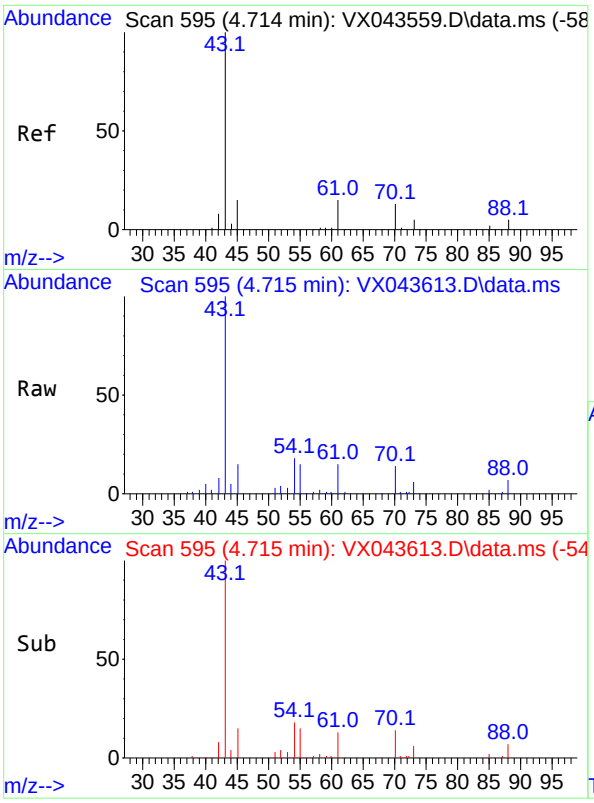


#36
1,1-Dichloropropene
Concen: 18.092 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 38518

Ion	Ratio	Lower	Upper
75	100		
110	37.9	17.9	53.7
77	32.2	25.0	37.4



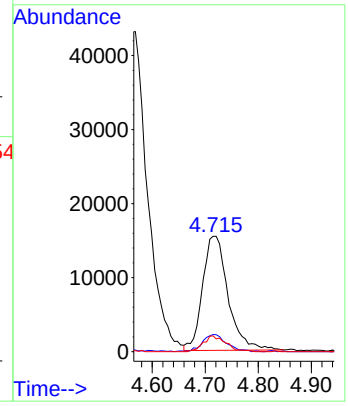


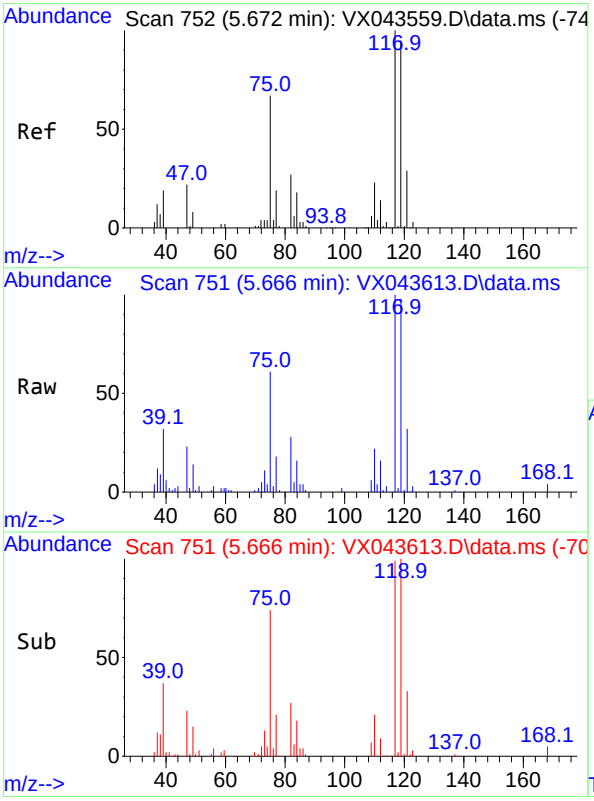
#37
Ethyl Acetate
Concen: 19.981 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 51646

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.6
70	12.3	8.9	13.3

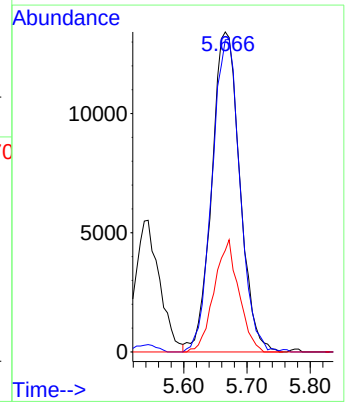


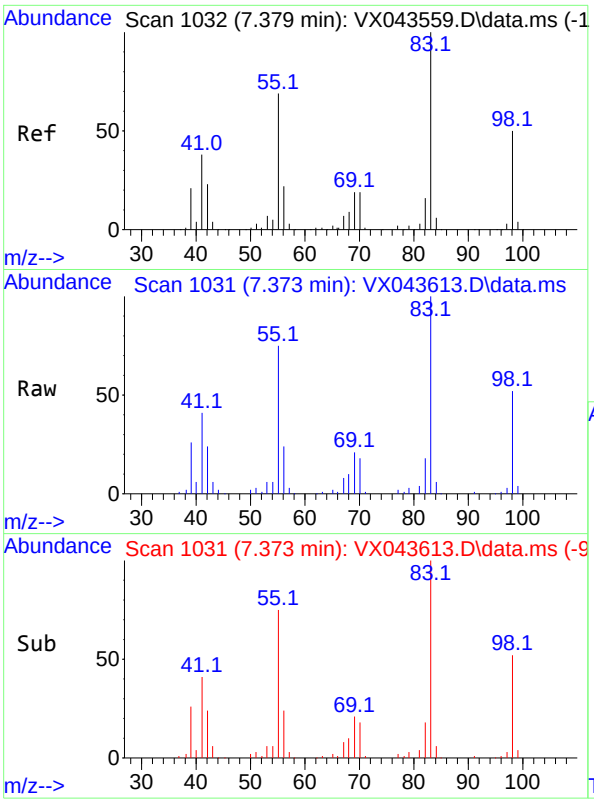


#38
Carbon Tetrachloride
Concen: 17.571 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:117 Resp: 41334

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.0	115.6
121	31.7	24.7	37.1



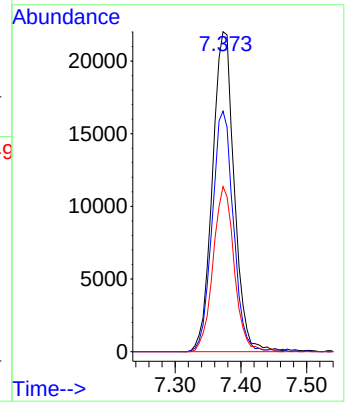


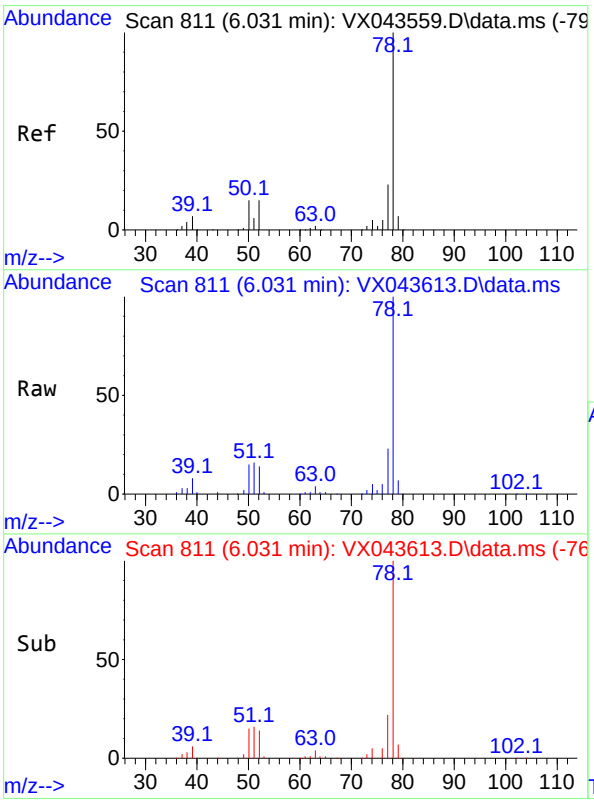
#39
Methylcyclohexane
Concen: 19.212 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 83 Resp: 50783

Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.9	89.9
98	51.6	41.3	61.9

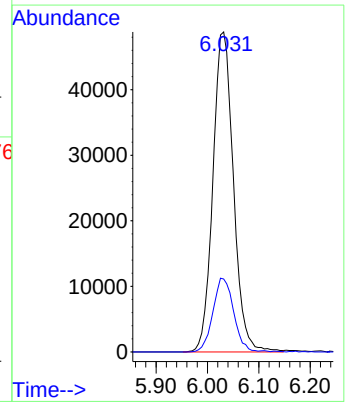


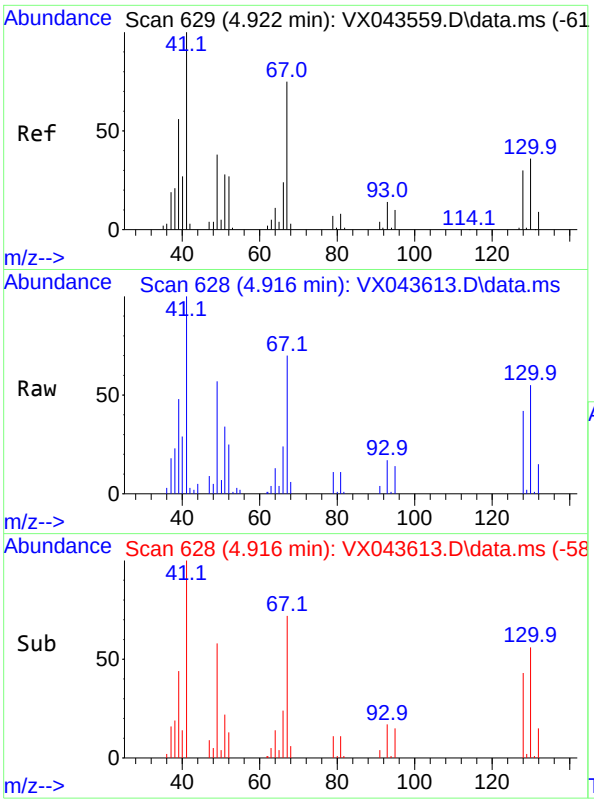


#40
Benzene
Concen: 19.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 78 Resp: 135317

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6



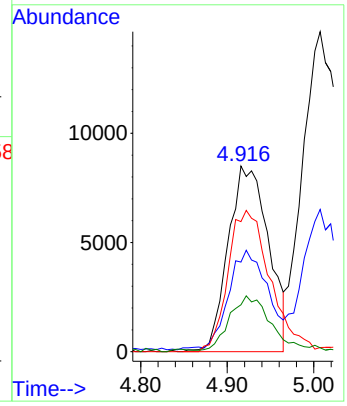


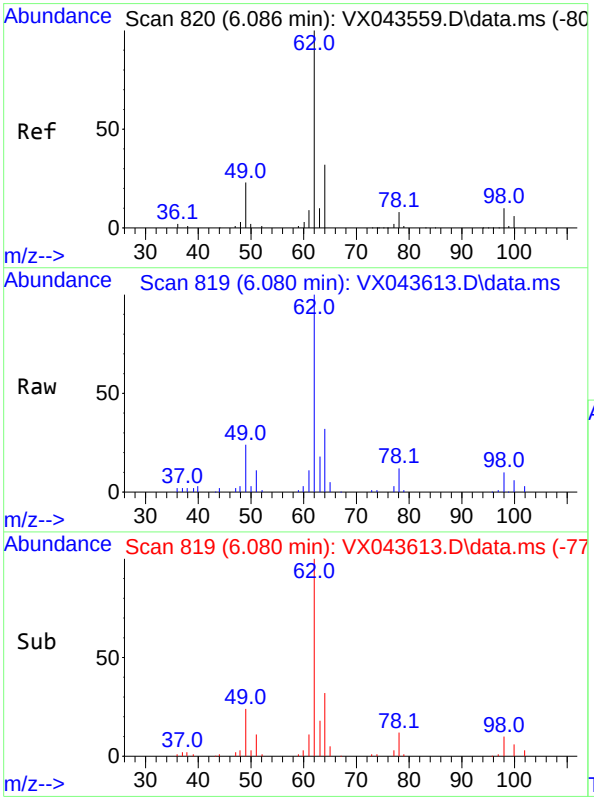
#41
Methacrylonitrile
Concen: 20.345 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 41 Resp: 27603

Ion	Ratio	Lower	Upper
41	100		
39	52.2	43.5	65.3
67	79.2	58.3	87.5
52	31.9	24.6	37.0

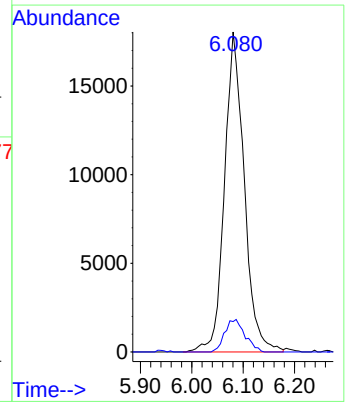


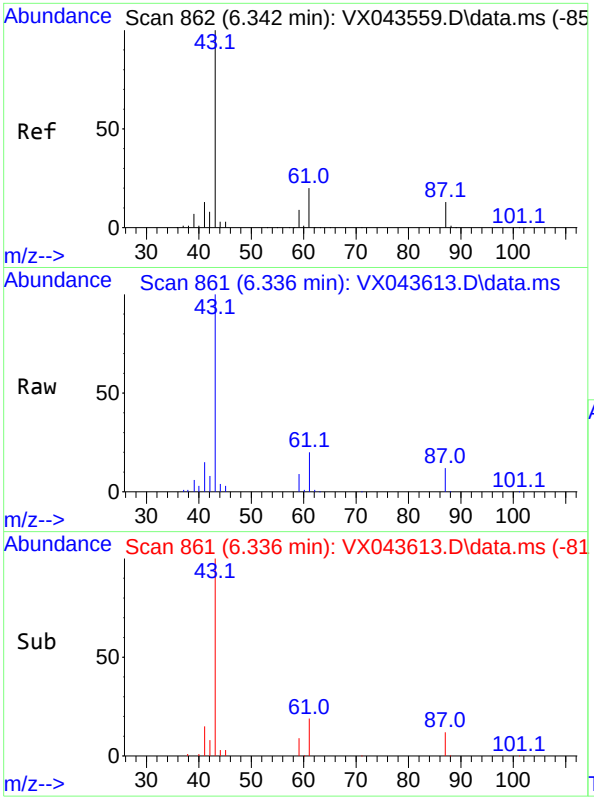


#42
1,2-Dichloroethane
Concen: 18.866 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 62 Resp: 48172

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.8



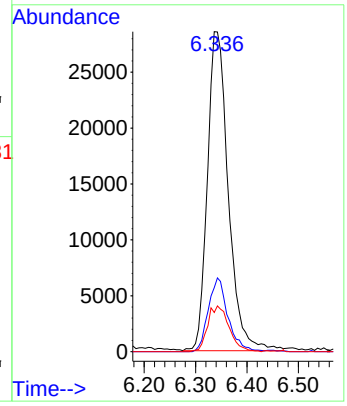


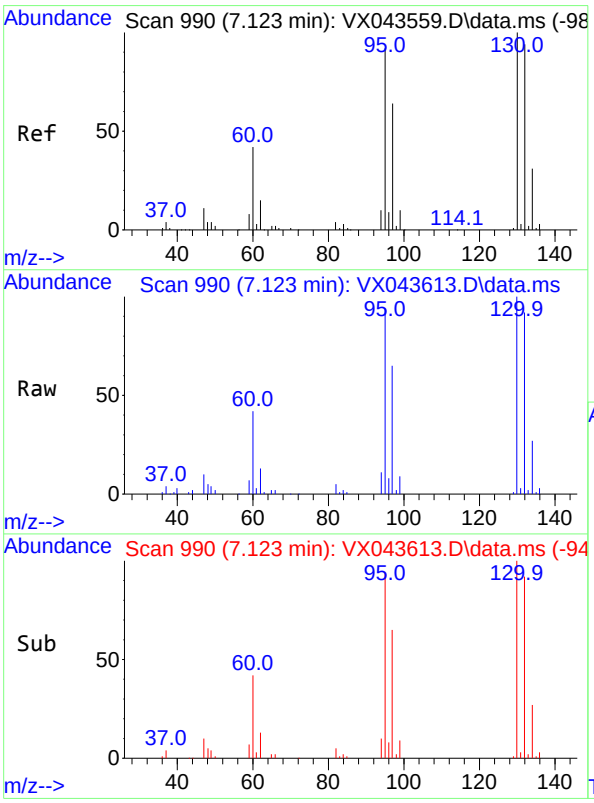
#43
Isopropyl Acetate
Concen: 18.875 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 80680

Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.2	24.4
87	14.7	11.0	16.6

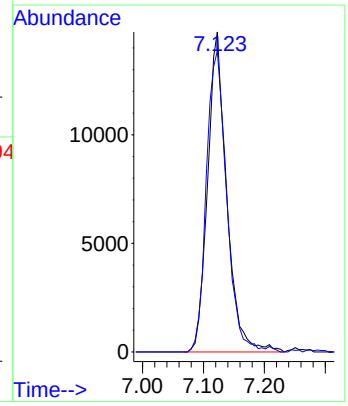


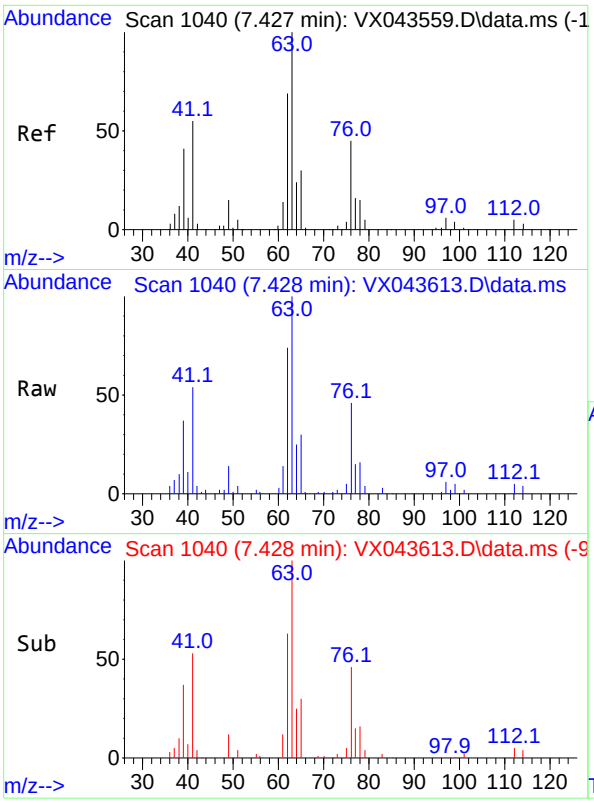


#44
Trichloroethene
Concen: 18.233 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:130 Resp: 32171

Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	202.6



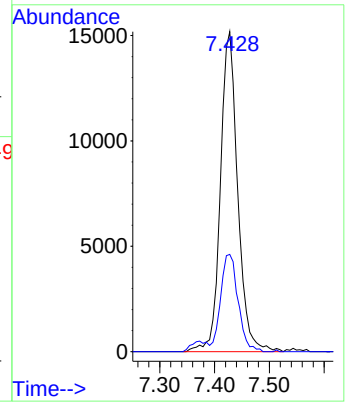


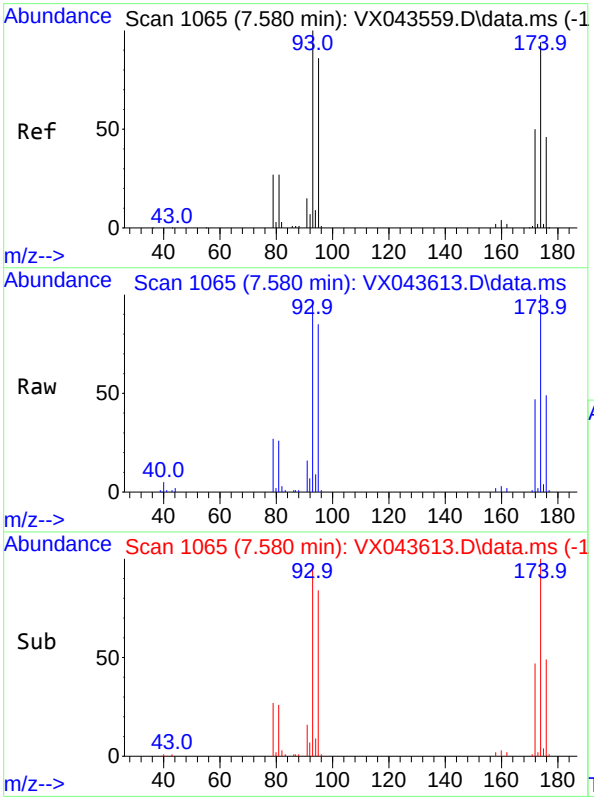
#45
1,2-Dichloropropane
Concen: 19.042 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 63 Resp: 33302

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.5	36.7

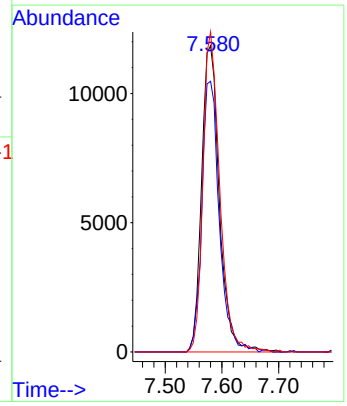


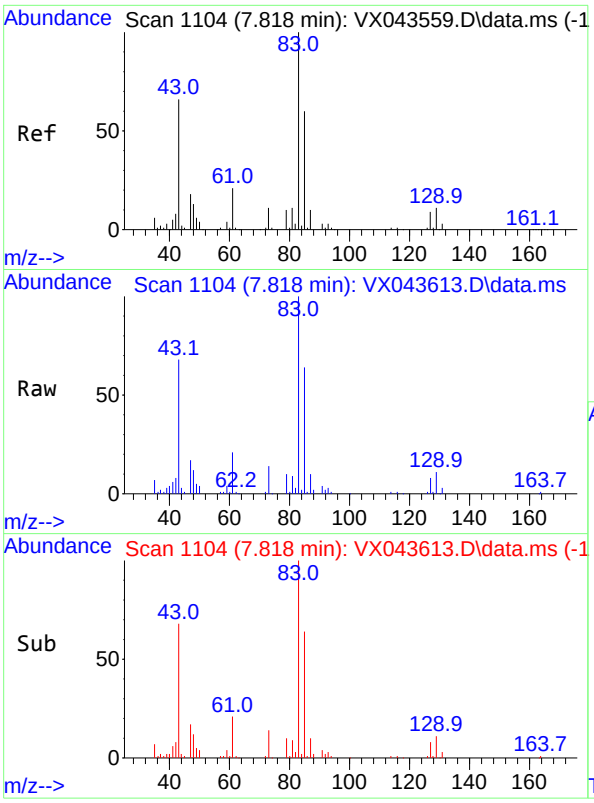


#46
Dibromomethane
Concen: 19.140 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 93 Resp: 25774

Ion	Ratio	Lower	Upper
93	100		
95	86.9	66.4	99.6
174	98.7	75.0	112.4



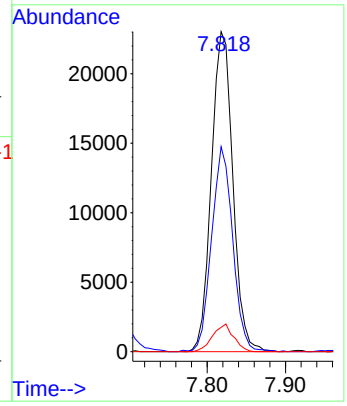


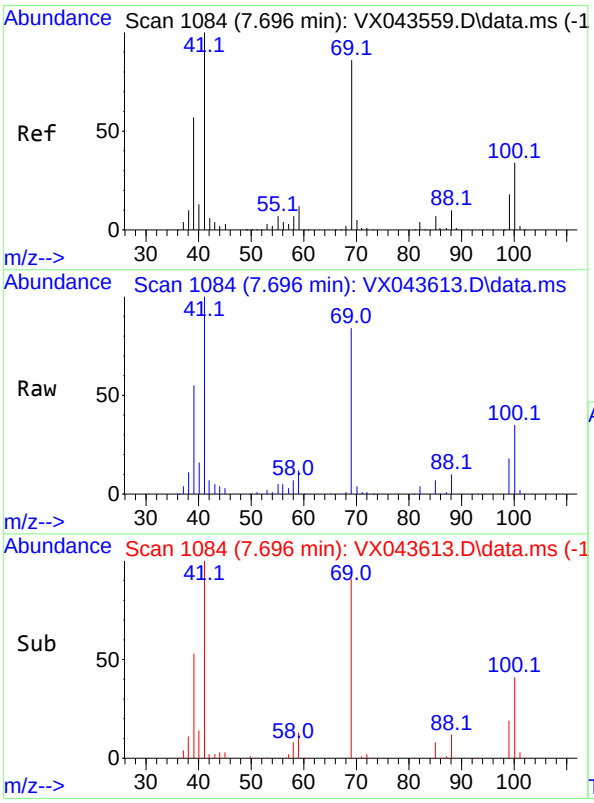
#47
Bromodichloromethane
Concen: 18.529 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 83 Resp: 43771

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	7.6	7.1	10.7

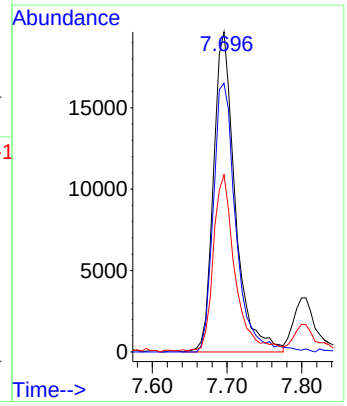


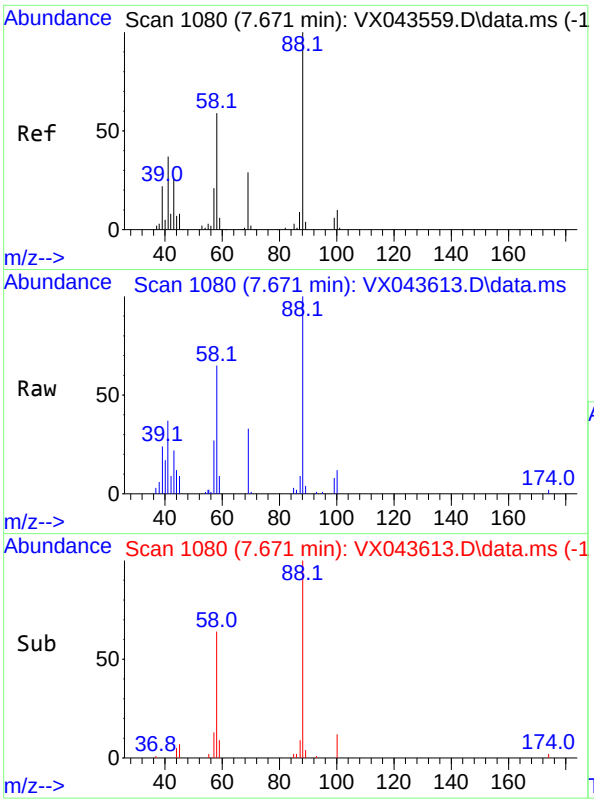


#48
Methyl methacrylate
Concen: 19.653 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 41 Resp: 39830

Ion	Ratio	Lower	Upper
41	100		
69	87.0	67.7	101.5
39	53.9	46.3	69.5



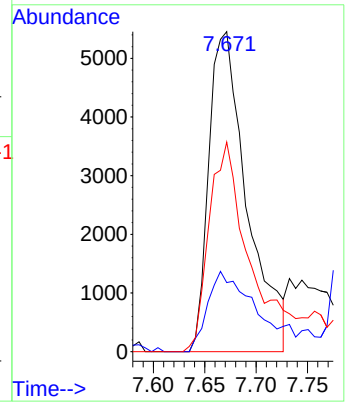


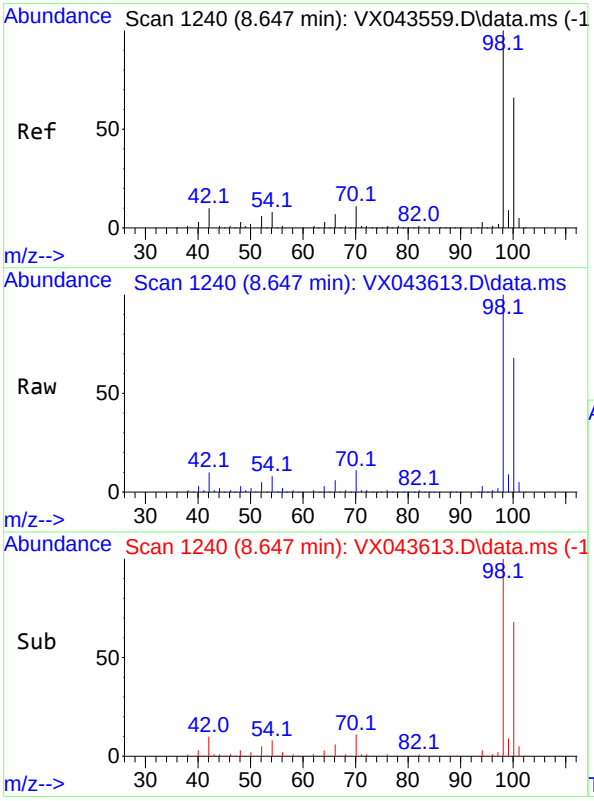
#49
1,4-Dioxane
Concen: 339.602 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 88 Resp: 14140

Ion	Ratio	Lower	Upper
88	100		
43	35.4	25.3	37.9
58	69.7	53.9	80.9

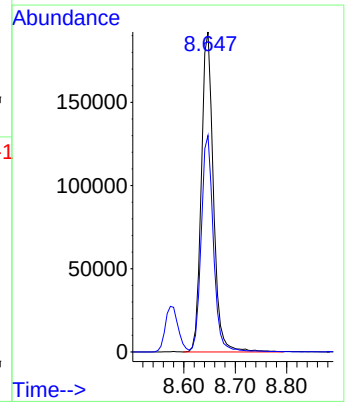


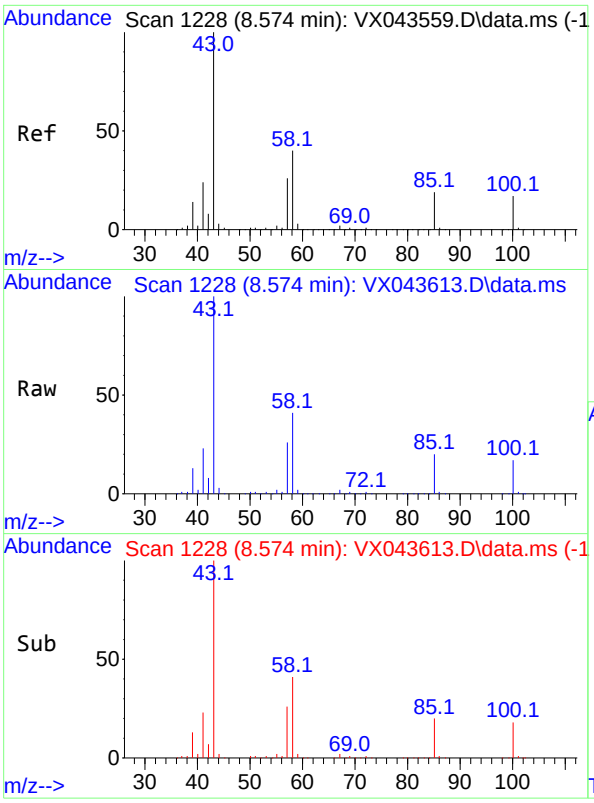


#50
Toluene-d8
Concen: 50.612 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 98 Resp: 314569

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.2



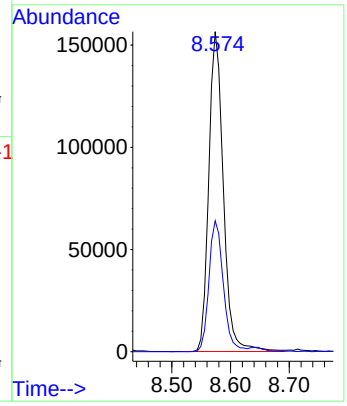


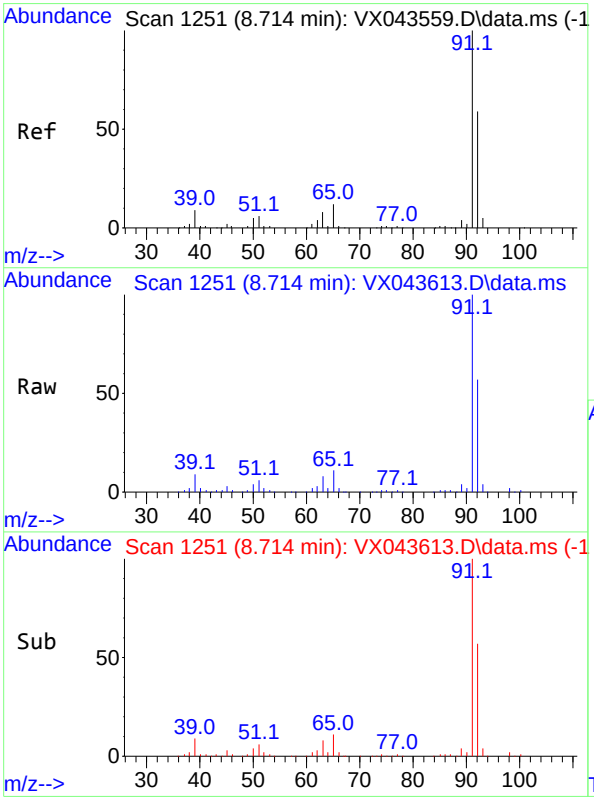
#51
4-Methyl-2-Pentanone
Concen: 103.625 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 269977

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.7	47.5

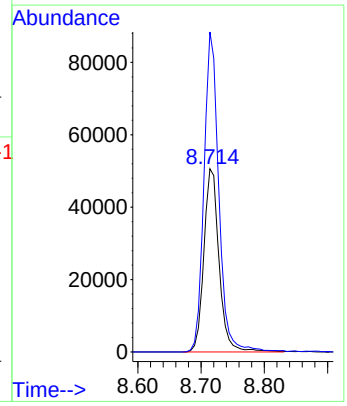


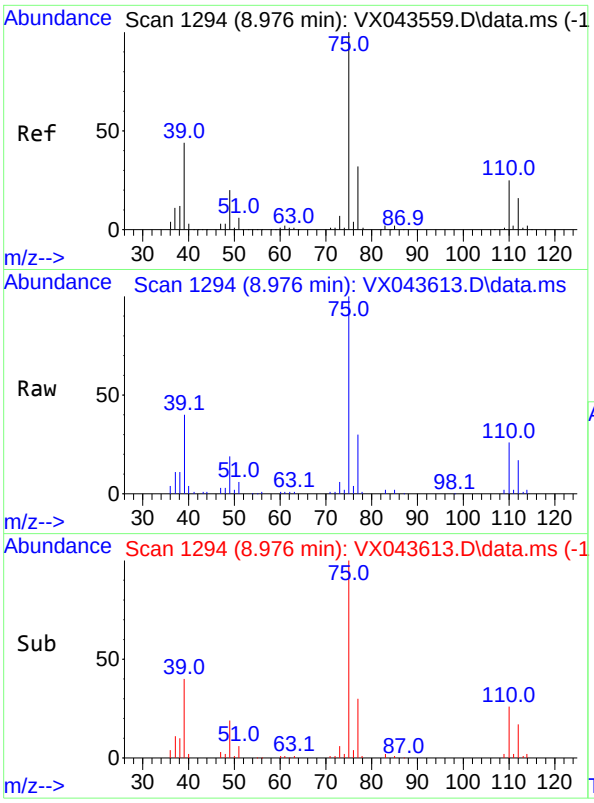


#52
Toluene
Concen: 19.702 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 92 Resp: 84865

Ion	Ratio	Lower	Upper
92	100		
91	170.7	135.7	203.5



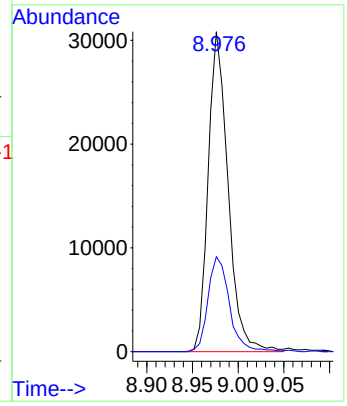


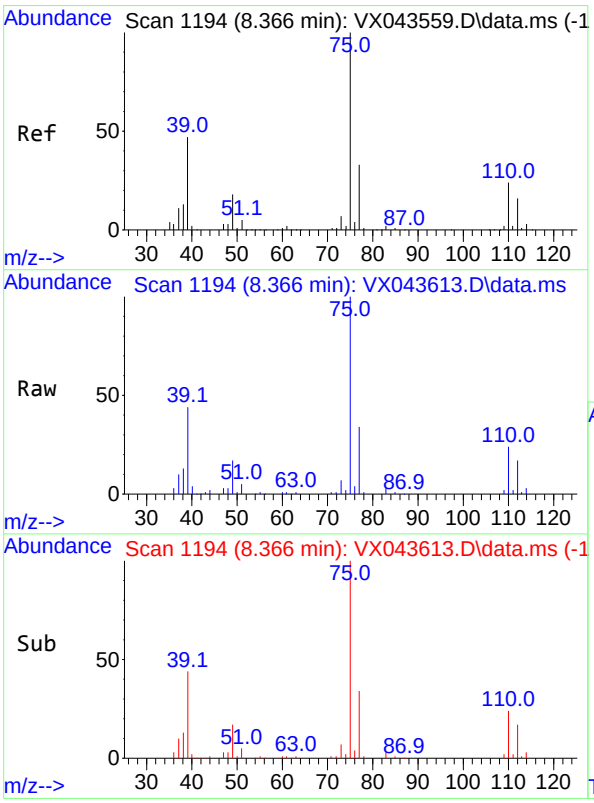
#53
t-1,3-Dichloropropene
Concen: 18.322 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 75 Resp: 46488

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.0	39.0

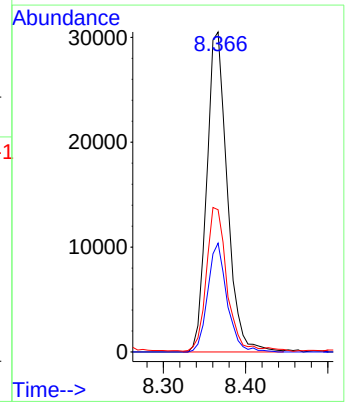


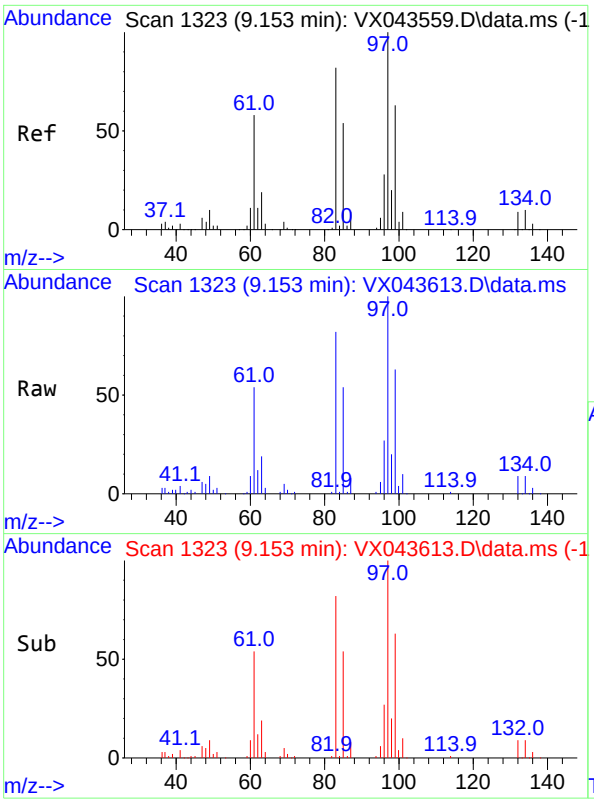


#54
cis-1,3-Dichloropropene
Concen: 19.511 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 52745

Ion	Ratio	Lower	Upper
75	100		
77	34.0	24.8	37.2
39	44.2	37.7	56.5



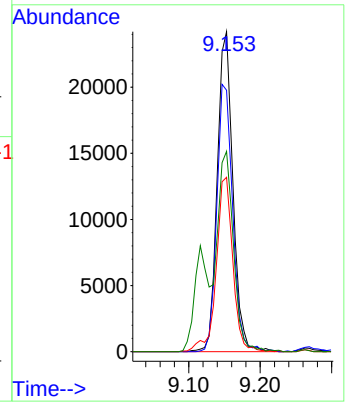


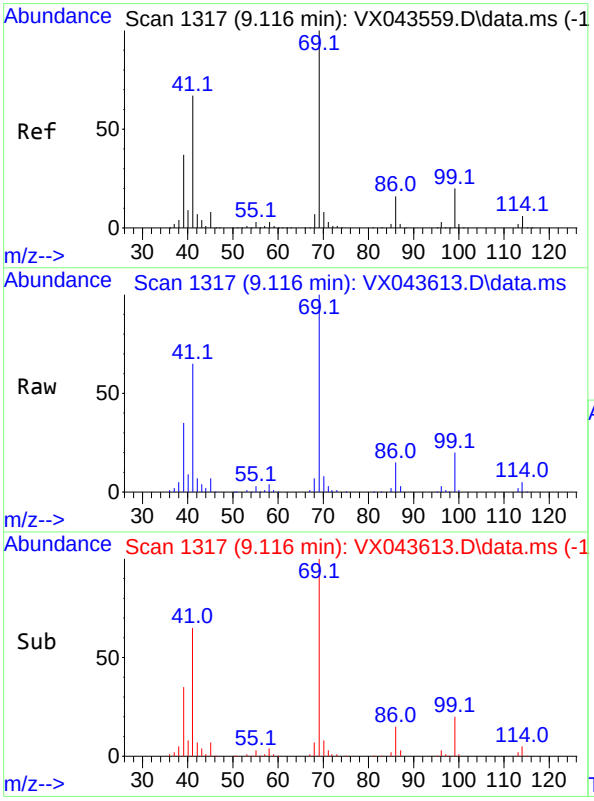
#55
1,1,2-Trichloroethane
Concen: 20.499 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 97 Resp: 36754

Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.3	100.9
85	54.5	43.6	65.4
99	62.6	50.6	75.8

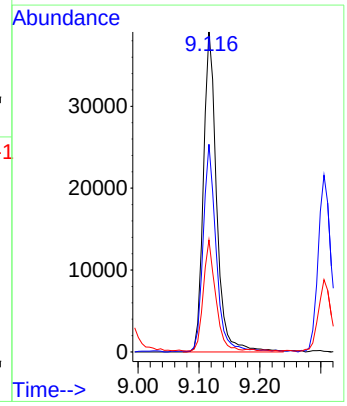


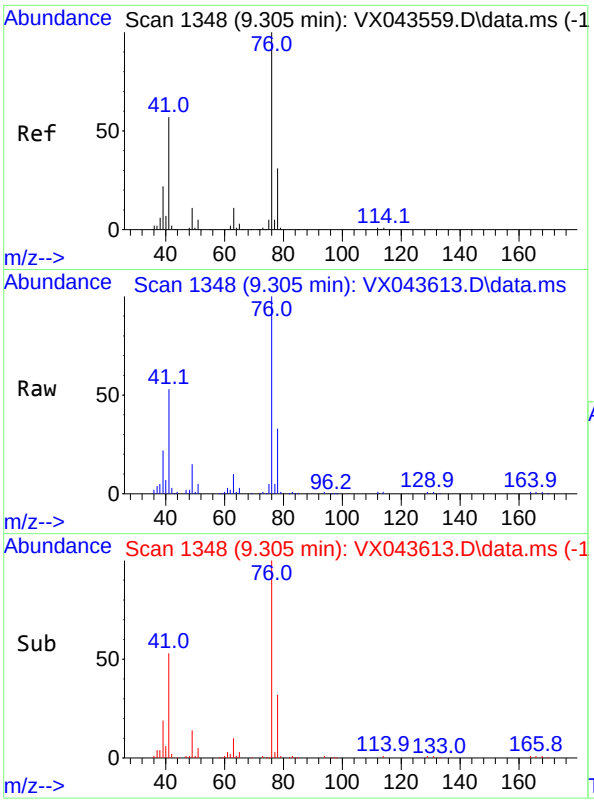


#56
Ethyl methacrylate
Concen: 20.253 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 69 Resp: 59004

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.8	80.8
39	32.2	29.9	44.9



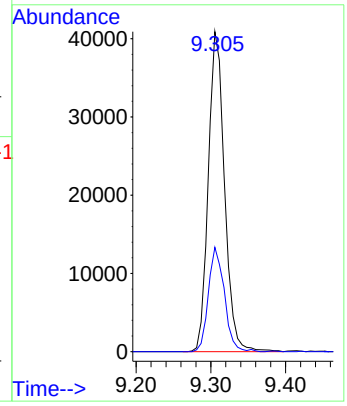


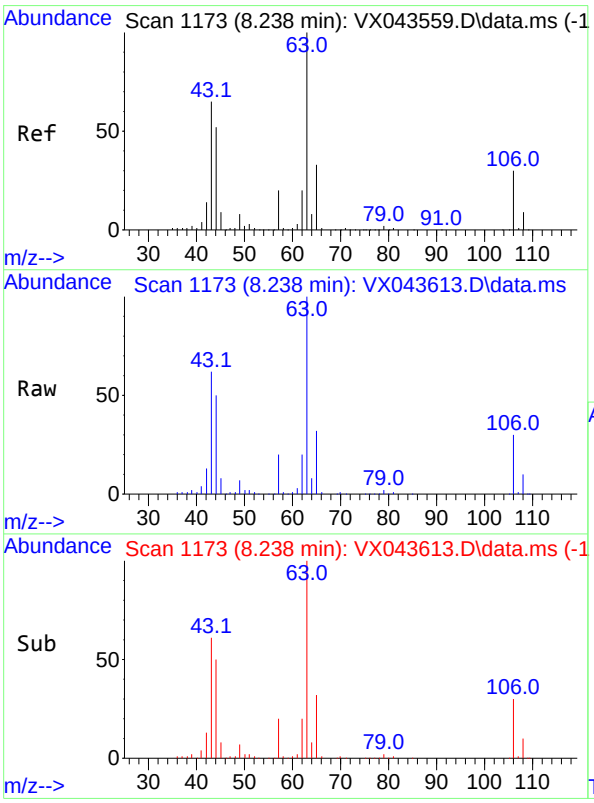
#57
1,3-Dichloropropane
Concen: 20.664 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 76 Resp: 61622

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

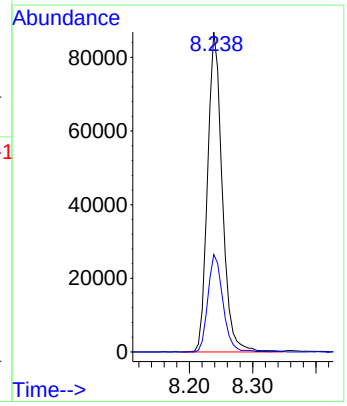


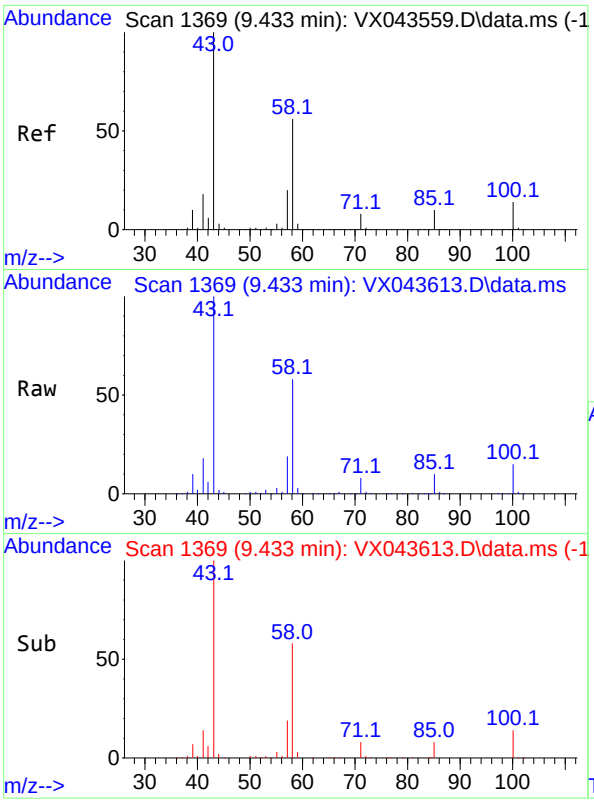


#58
2-Chloroethyl Vinyl ether
Concen: 99.511 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 63 Resp: 140409

Ion	Ratio	Lower	Upper
63	100		
106	31.2	23.6	35.4



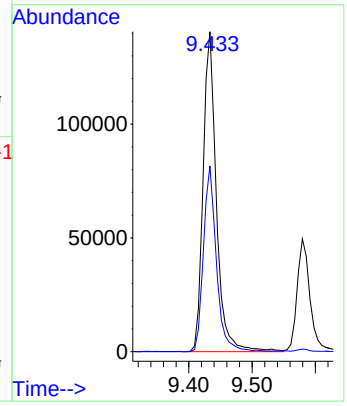


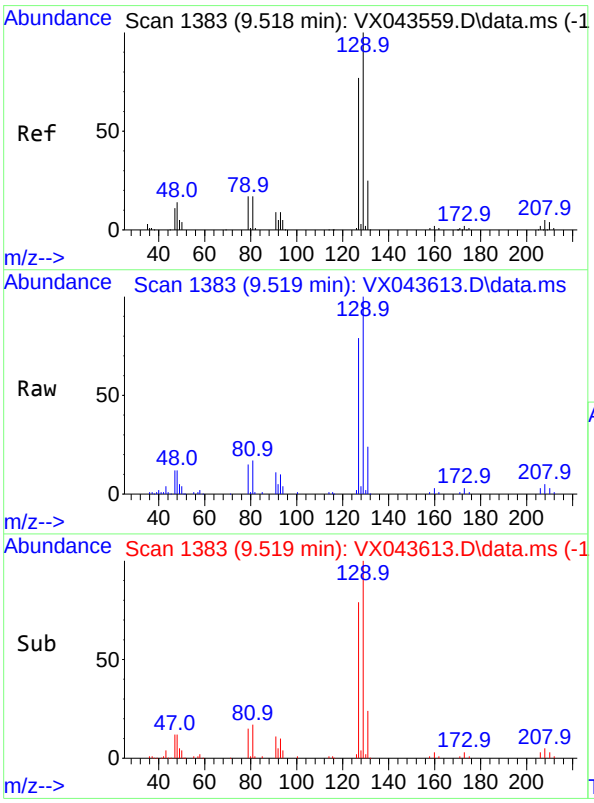
#59
2-Hexanone
Concen: 103.864 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 205521

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.5	82.5

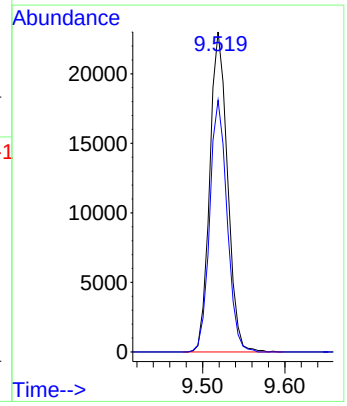


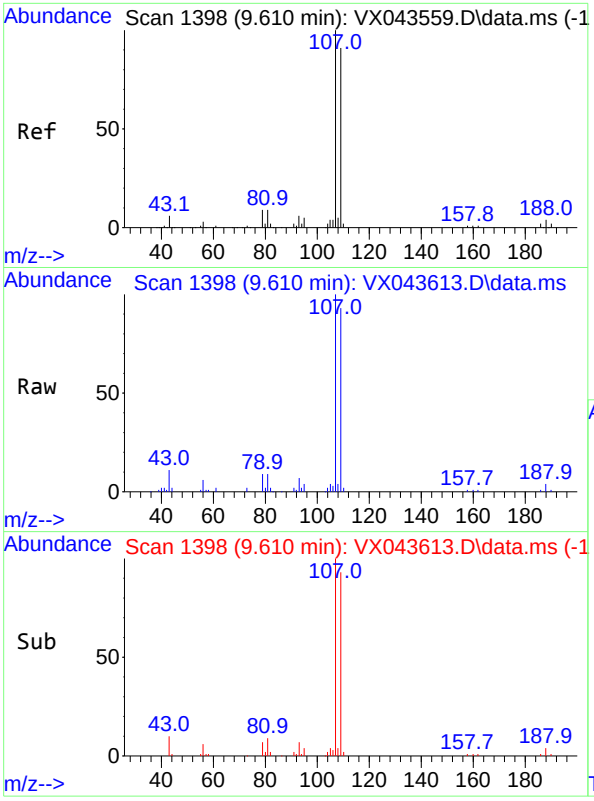


#60
Dibromochloromethane
Concen: 19.450 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:129 Resp: 34532

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.1



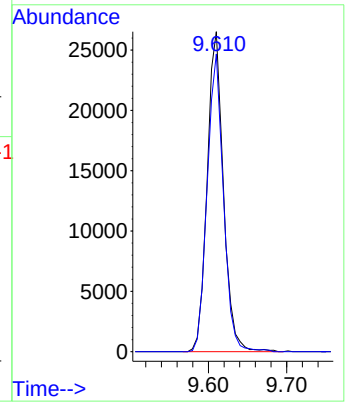


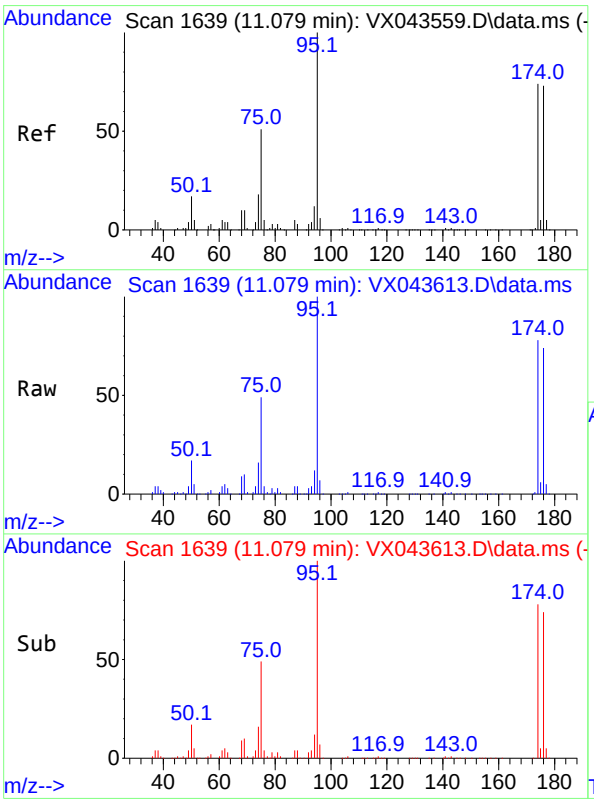
#61
1,2-Dibromoethane
Concen: 20.500 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:107 Resp: 38155

Ion	Ratio	Lower	Upper
107	100		
109	93.2	77.1	115.7

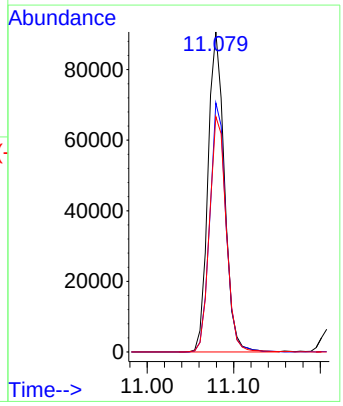


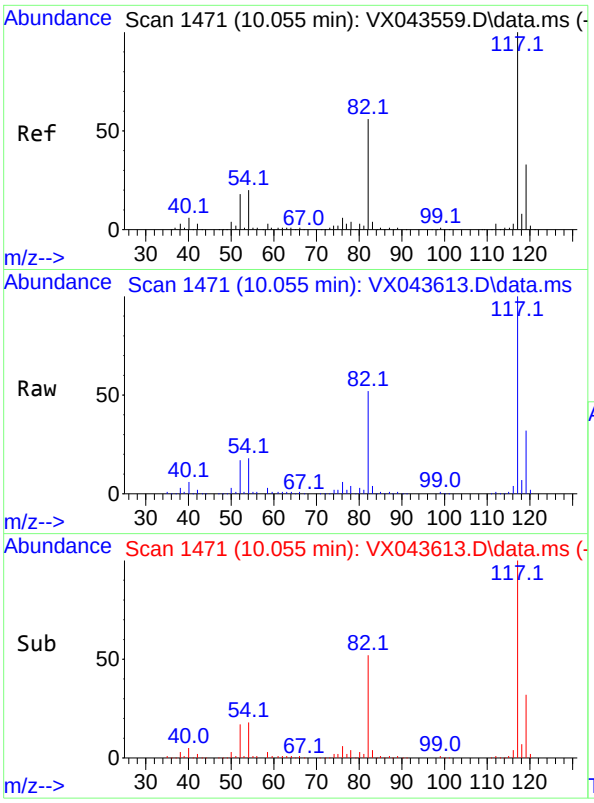


#62
4-Bromofluorobenzene
Concen: 51.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 95 Resp: 119367

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	146.6
176	74.5	0.0	139.6



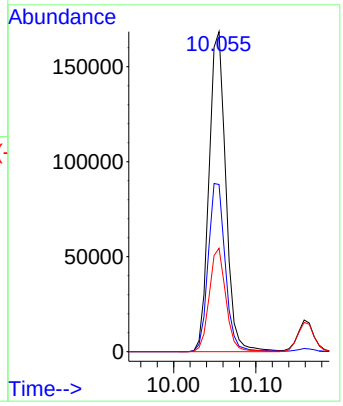


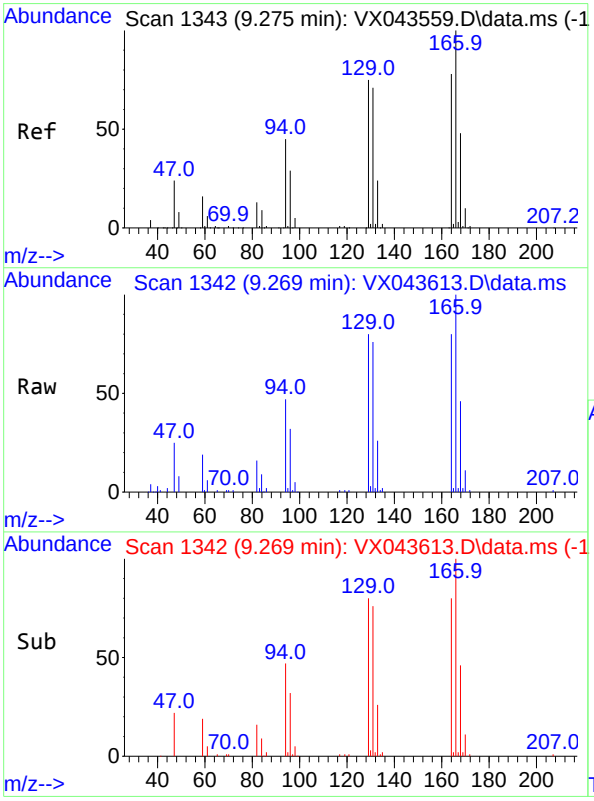
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:117 Resp: 239021

Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	32.3	25.4	38.2

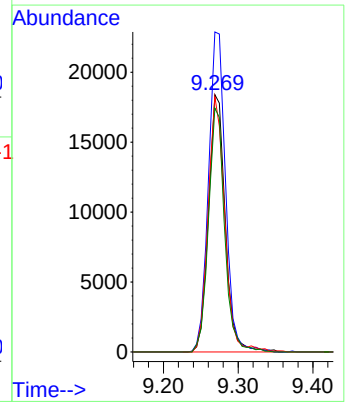


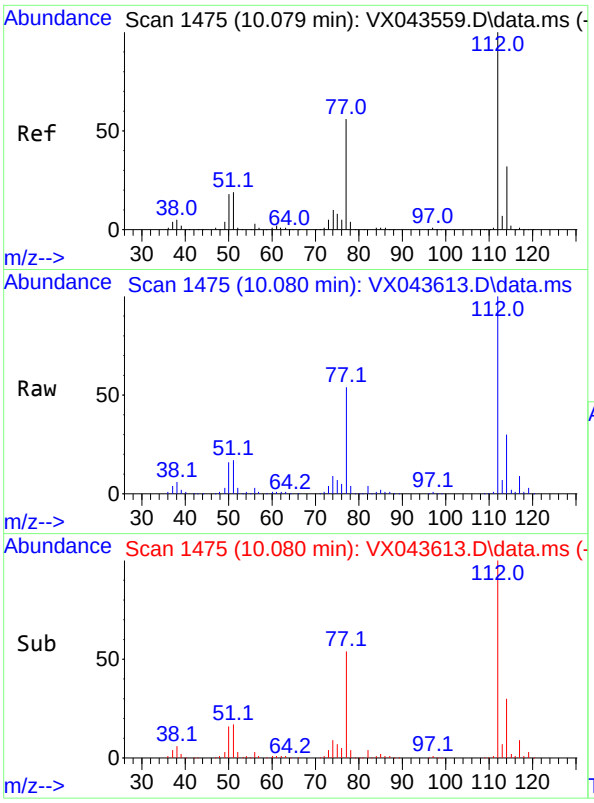


#64
Tetrachloroethene
Concen: 19.064 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:164 Resp: 28659

Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.8	155.6
129	99.2	83.8	125.6
131	94.8	80.6	121.0



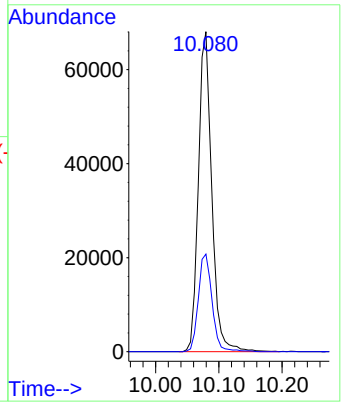


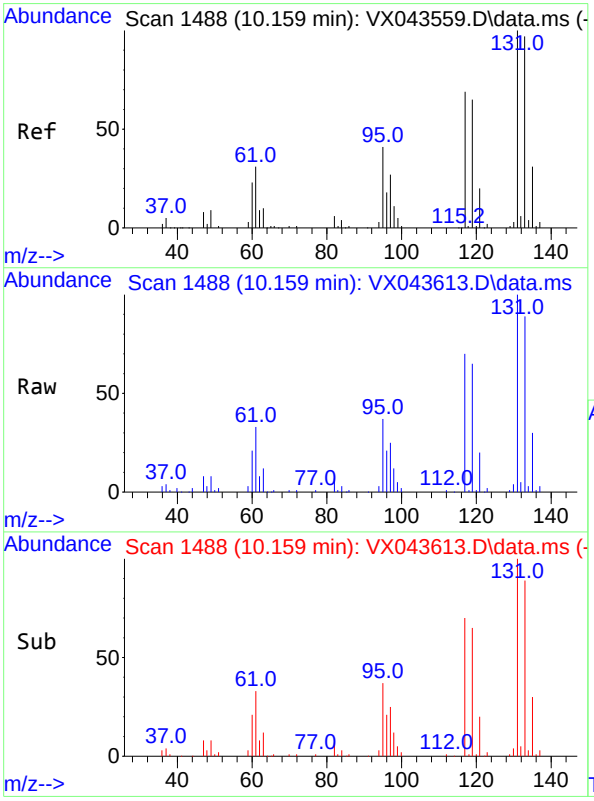
#65
Chlorobenzene
Concen: 19.456 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:112 Resp: 100050

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.0	37.6

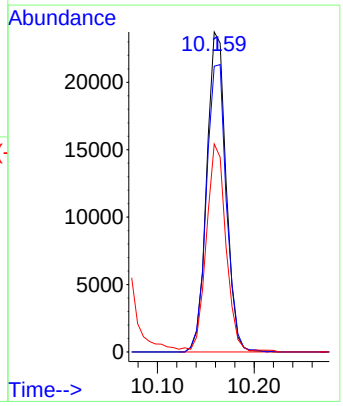


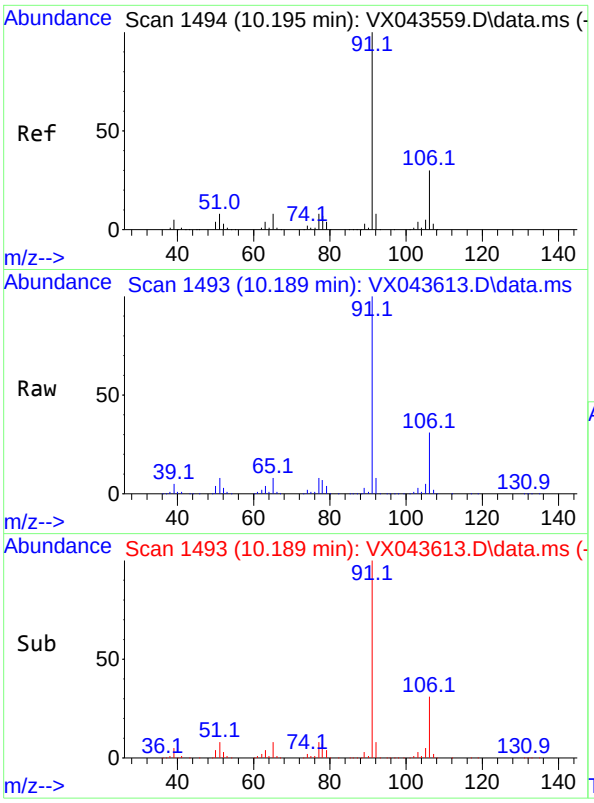


#66
1,1,1,2-Tetrachloroethane
Concen: 19.571 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:131 Resp: 32872

Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.0	144.0
119	64.5	32.3	96.9



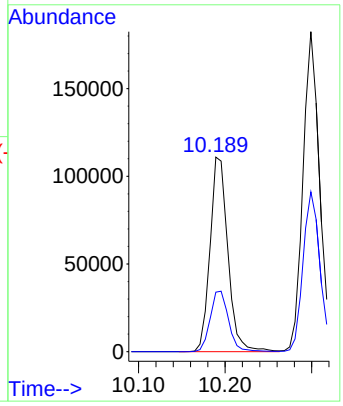


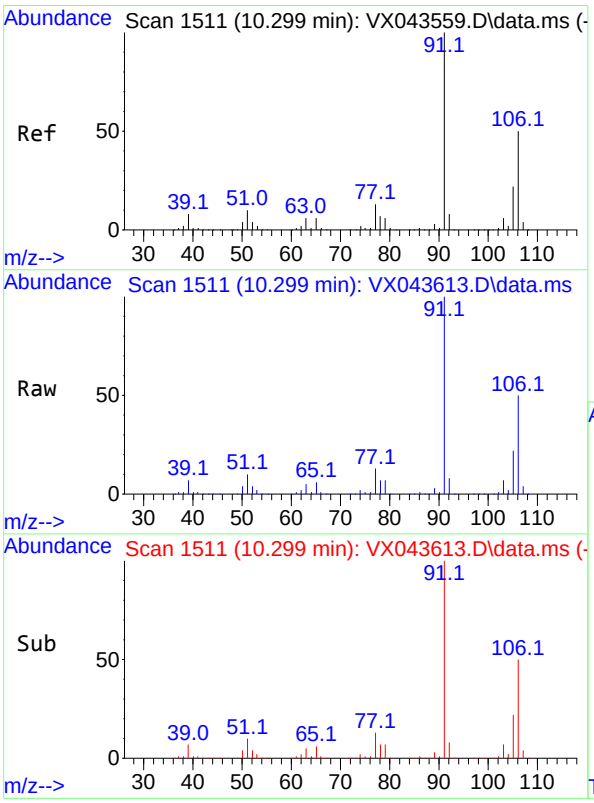
#67
Ethyl Benzene
Concen: 18.976 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 91 Resp: 159115

Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.4	38.2

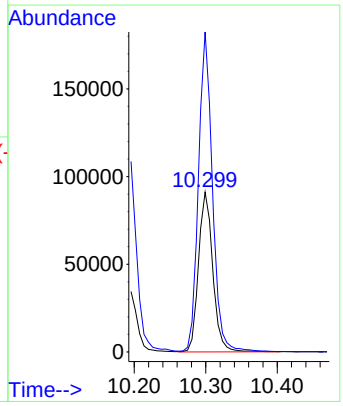


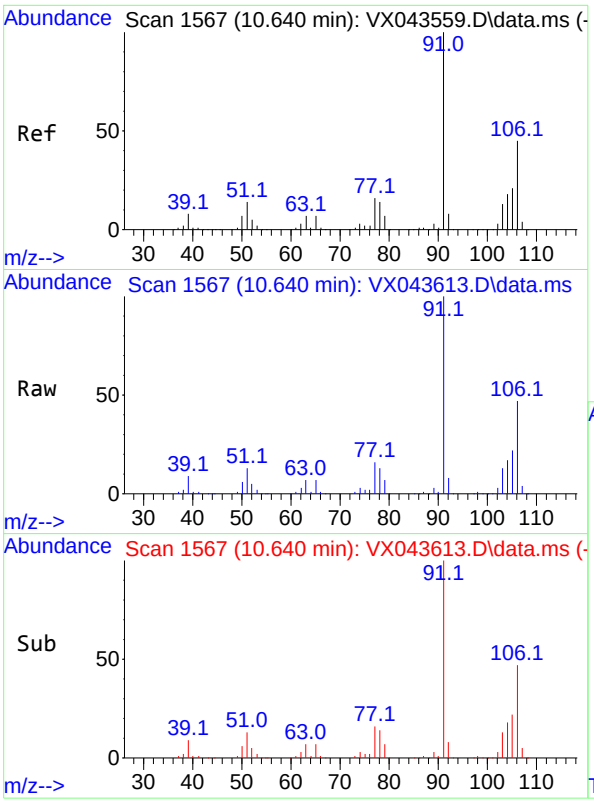


#68
m/p-Xylenes
Concen: 39.374 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:106 Resp: 126258

Ion	Ratio	Lower	Upper
106	100		
91	196.0	164.7	247.1



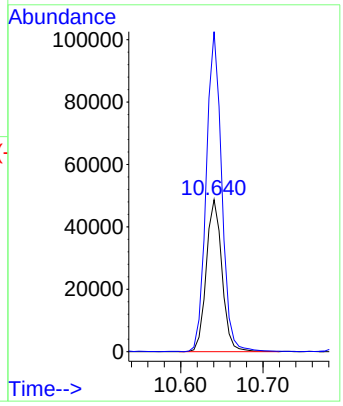


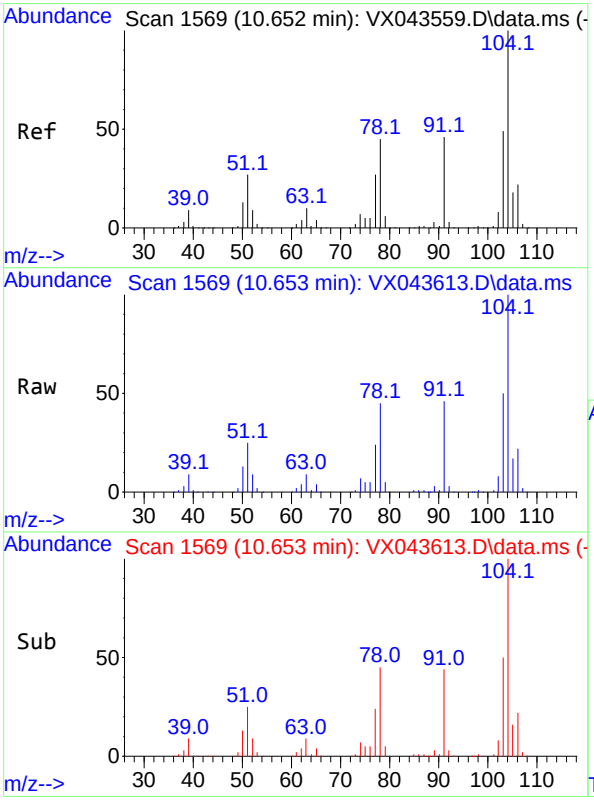
#69
o-Xylene
Concen: 20.088 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:106 Resp: 64722

Ion	Ratio	Lower	Upper
106	100		
91	207.2	107.9	323.7

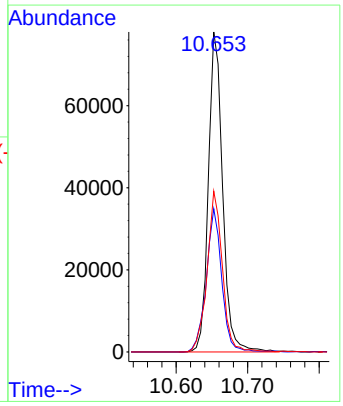


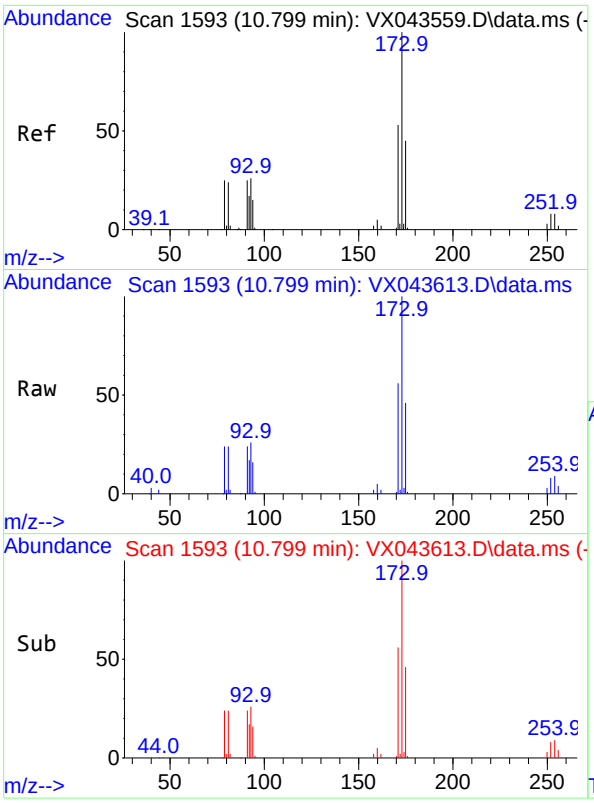


#70
Styrene
Concen: 20.202 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:104 Resp: 108183

Ion	Ratio	Lower	Upper
104	100		
78	48.7	40.0	60.0
103	54.0	43.4	65.0



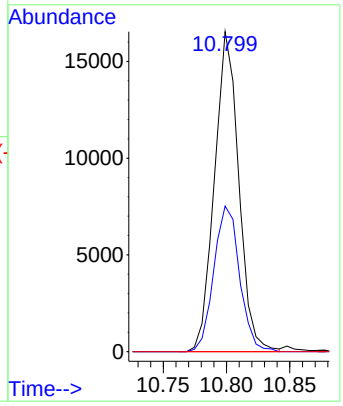


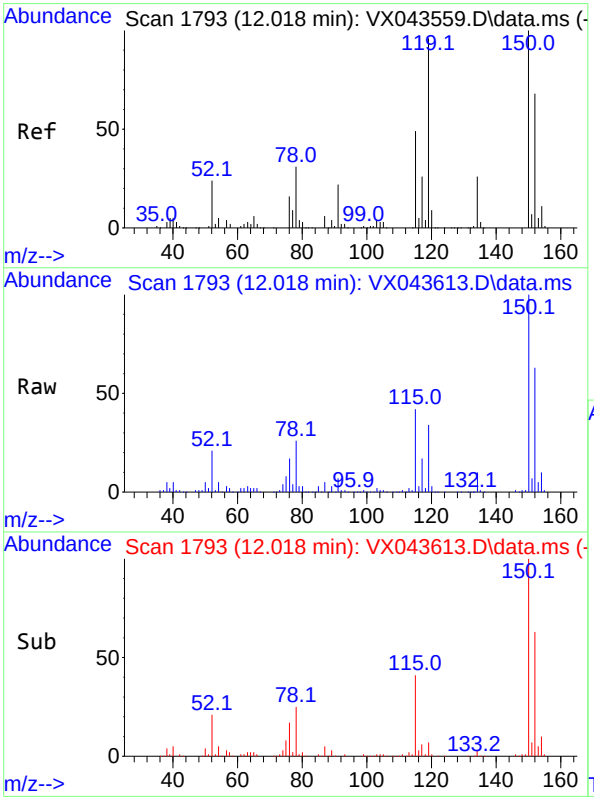
#71
Bromoform
Concen: 18.241 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:173 Resp: 22030

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.3	69.9
254	0.0	0.0	0.0

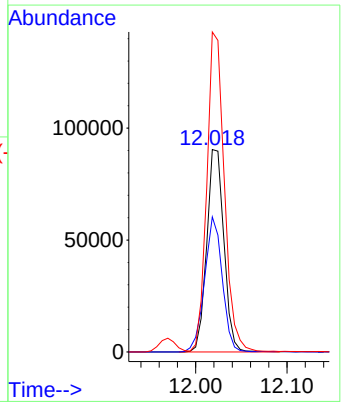


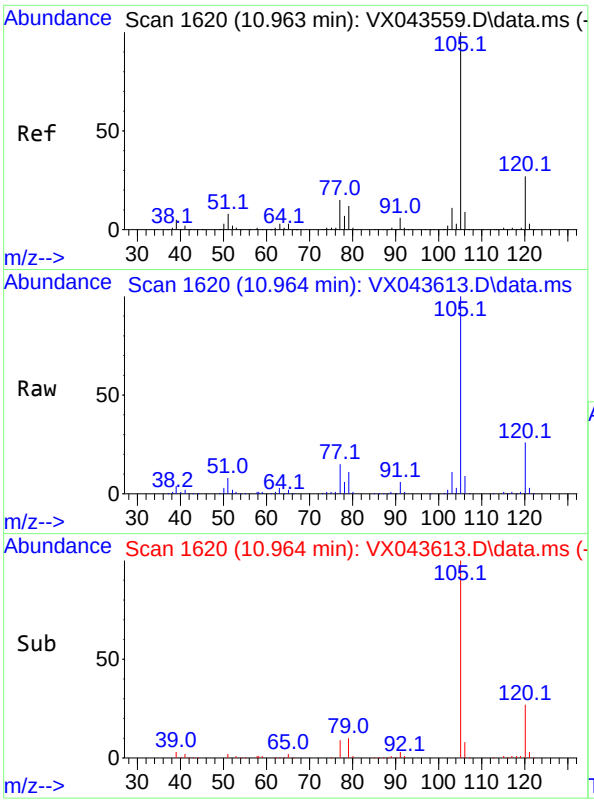


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:152 Resp: 117960

Ion	Ratio	Lower	Upper
152	100		
115	68.6	42.9	128.7
150	161.2	0.0	343.6



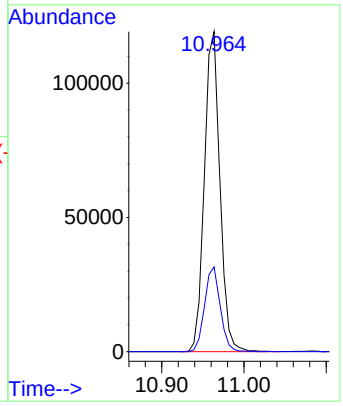


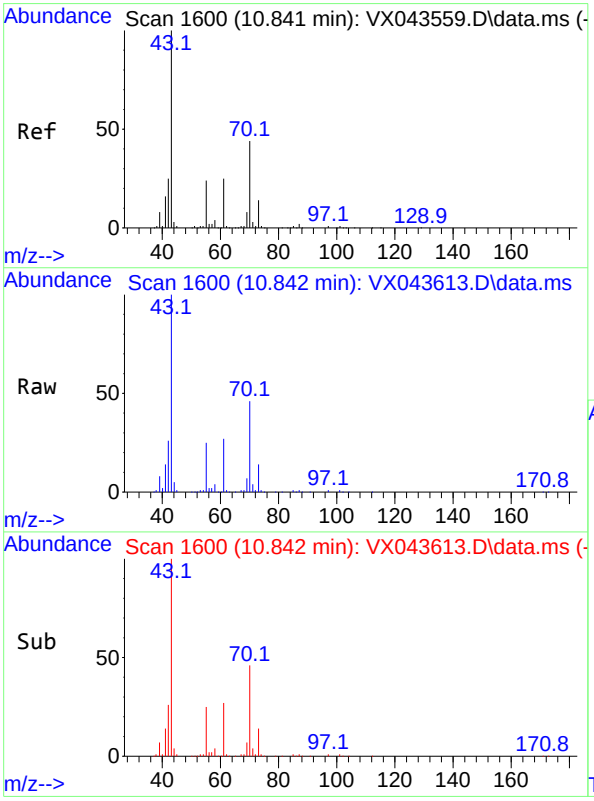
#73
Isopropylbenzene
Concen: 18.755 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:105 Resp: 156713

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

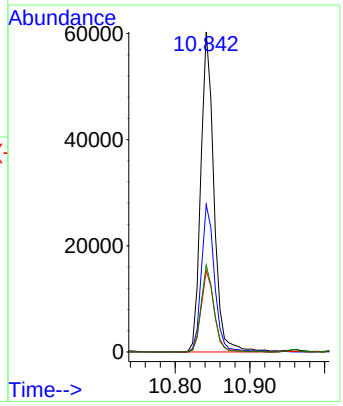


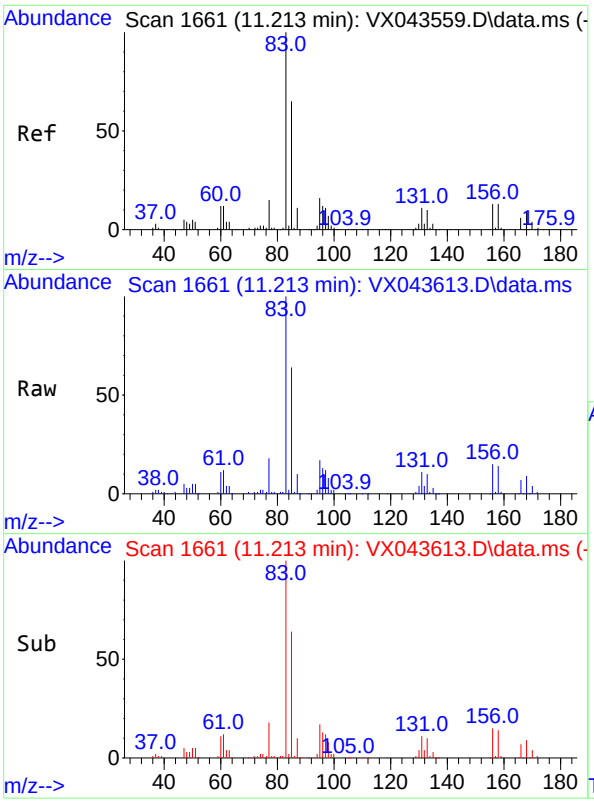


#74
N-amyl acetate
Concen: 18.089 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 43 Resp: 73630

Ion	Ratio	Lower	Upper
43	100		
70	46.3	34.6	52.0
55	25.6	19.6	29.4
61	26.2	20.2	30.2



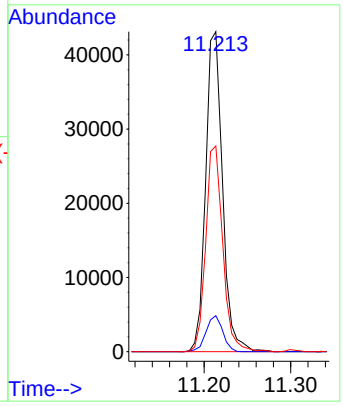


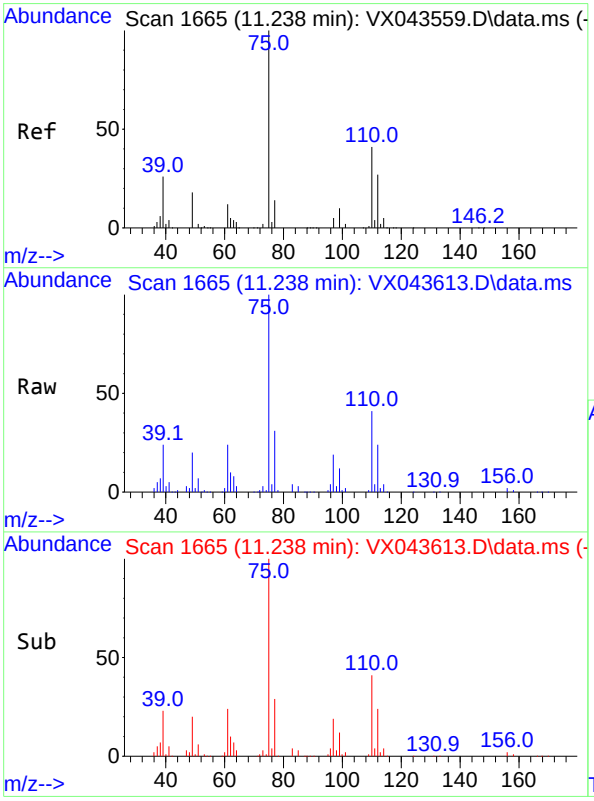
#75
1,1,2,2-Tetrachloroethane
Concen: 19.391 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 83 Resp: 58265

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.3	15.9
85	65.1	32.4	97.0

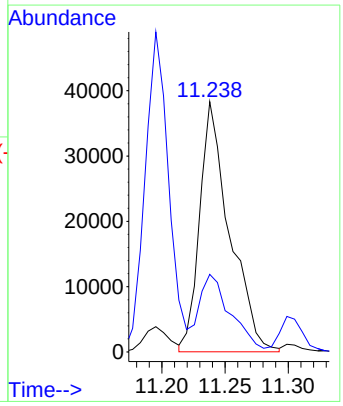


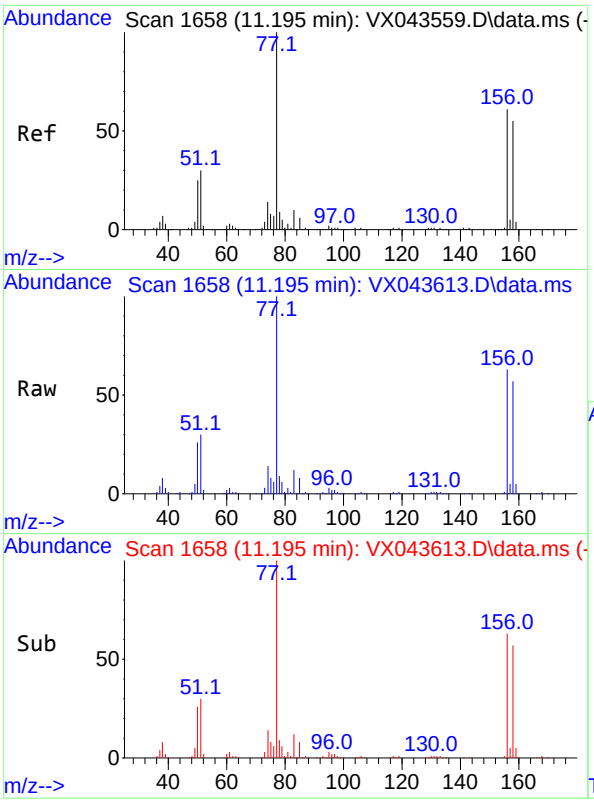


#76
1,2,3-Trichloropropane
Concen: 25.018 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 63100

Ion	Ratio	Lower	Upper
75	100		
77	32.7	22.4	67.2



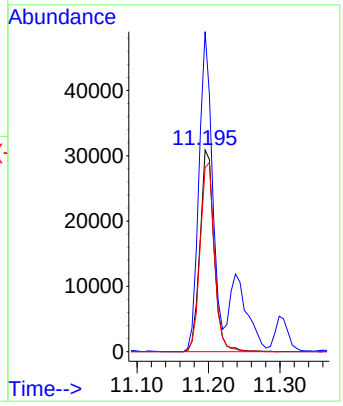


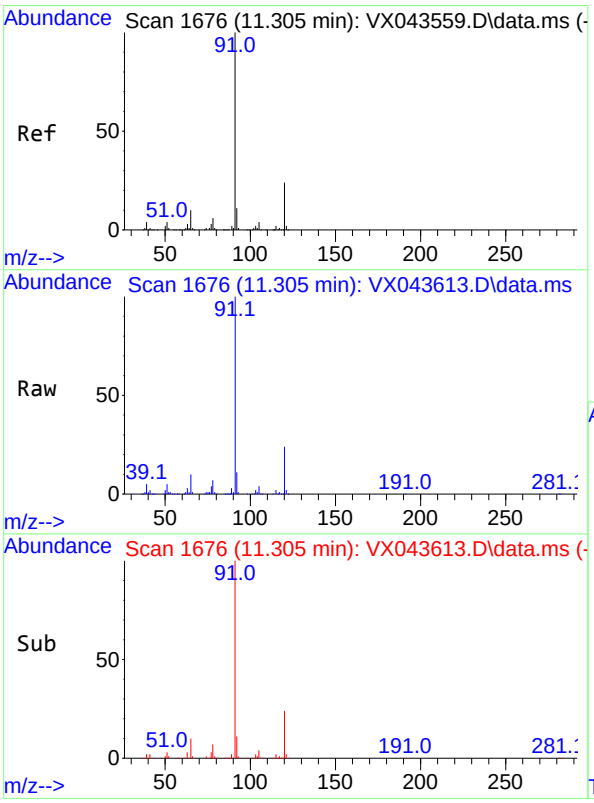
#77
Bromobenzene
Concen: 19.565 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:156 Resp: 42214

Ion	Ratio	Lower	Upper
156	100		
77	150.8	79.7	239.1
158	94.9	48.0	144.0

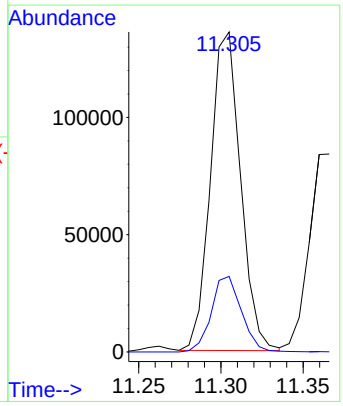


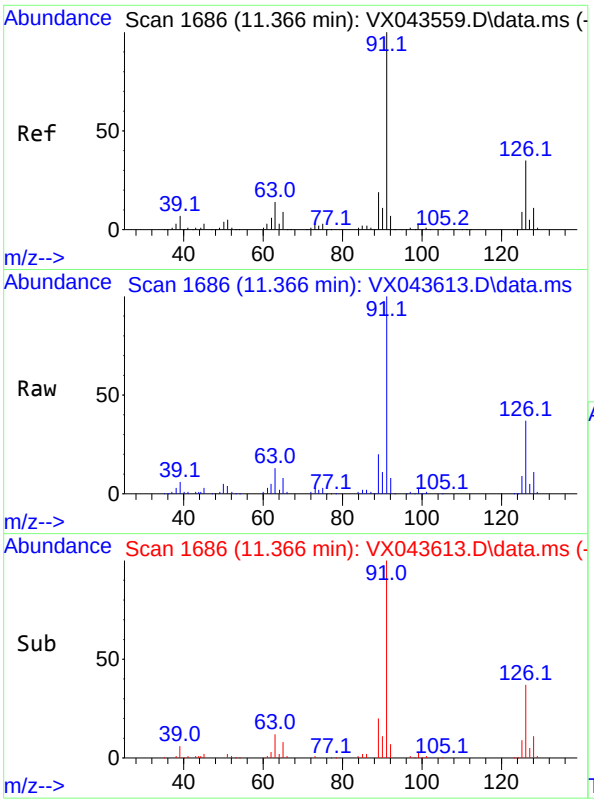


#78
n-propylbenzene
Concen: 18.977 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 91 Resp: 172894

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7



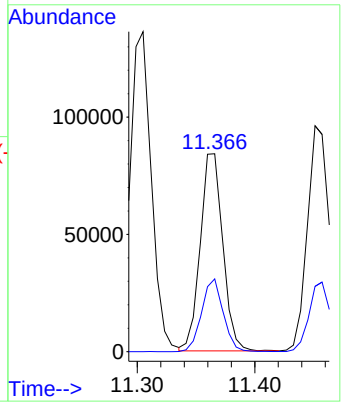


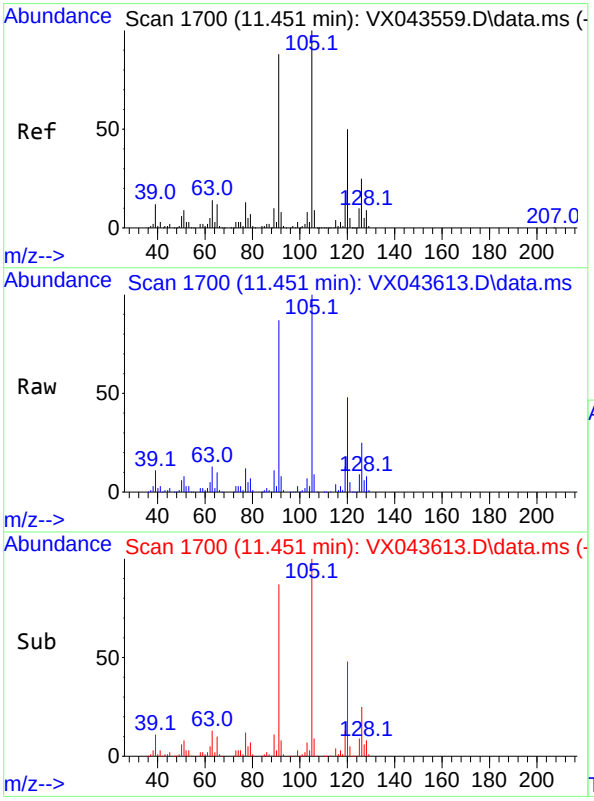
#79
2-Chlorotoluene
Concen: 18.584 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 91 Resp: 112270

Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.7	50.0

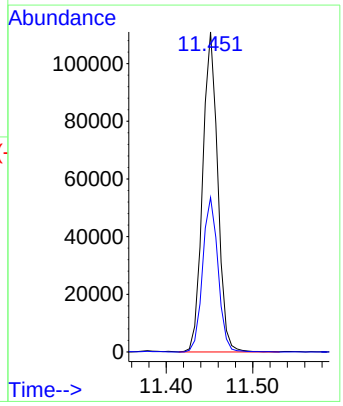


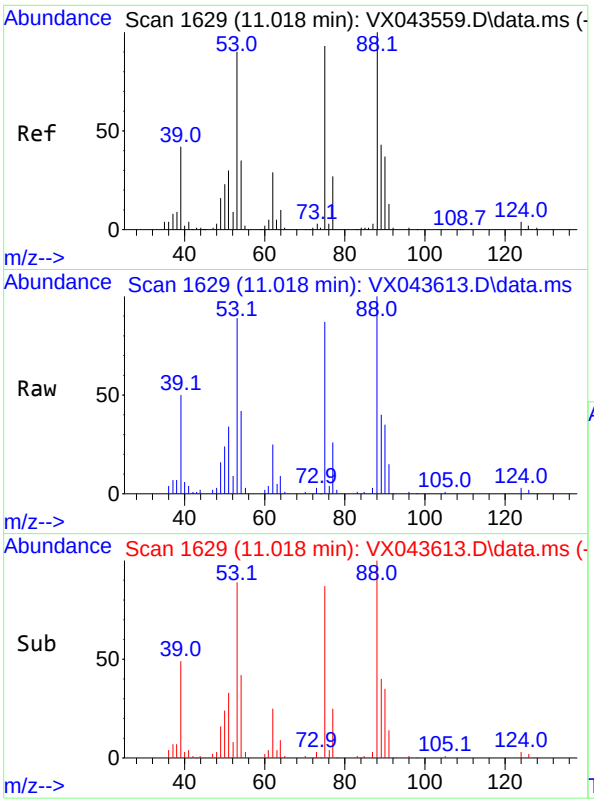


#80
1,3,5-Trimethylbenzene
Concen: 19.257 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:105 Resp: 134164

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.8	71.5



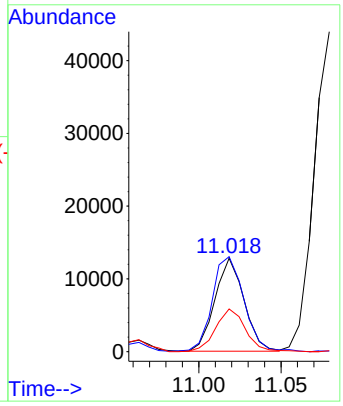


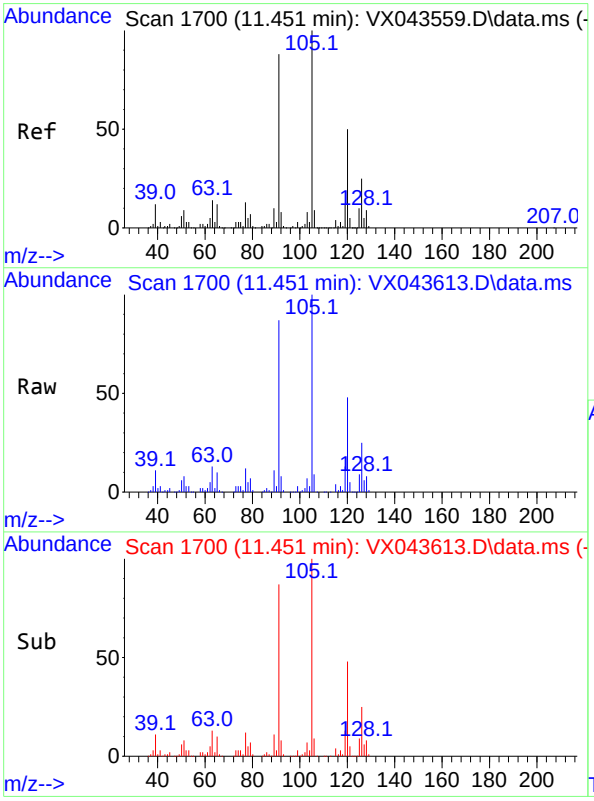
#81
trans-1,4-Dichloro-2-butene
Concen: 17.148 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 75 Resp: 15721

Ion	Ratio	Lower	Upper
75	100		
53	111.6	84.6	126.8
89	47.5	38.6	58.0

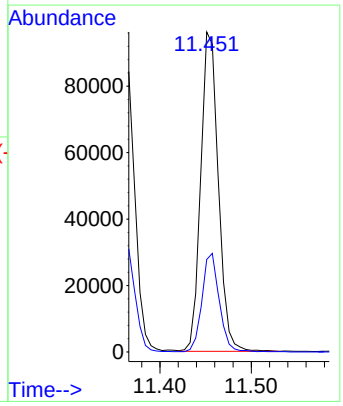


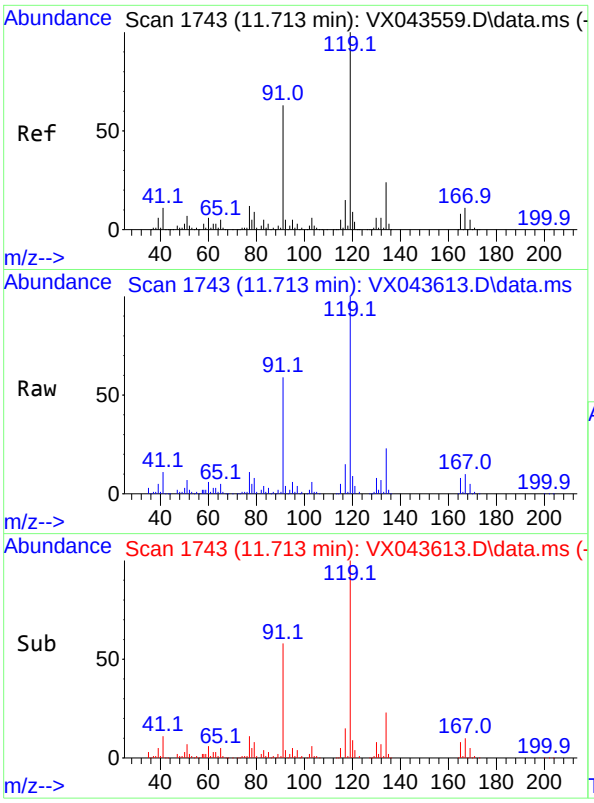


#82
4-Chlorotoluene
Concen: 18.933 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 91 Resp: 128383

Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.2	42.8



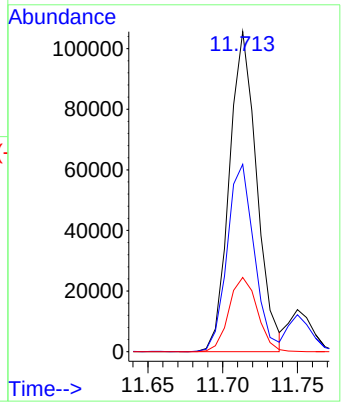


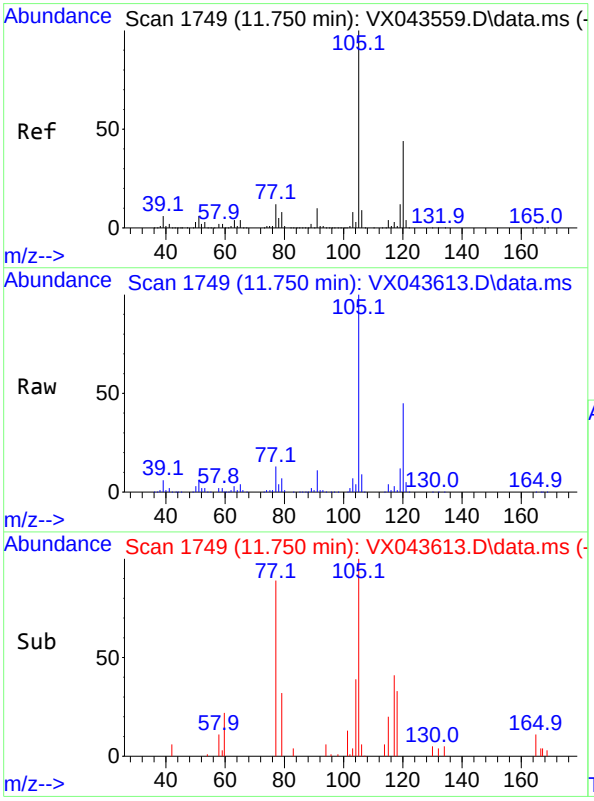
#83
tert-Butylbenzene
Concen: 18.972 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:119 Resp: 134426

Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.5	88.5
134	24.1	11.8	35.3

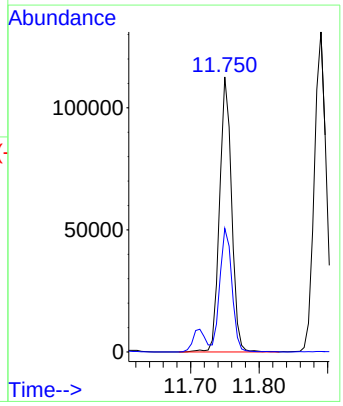


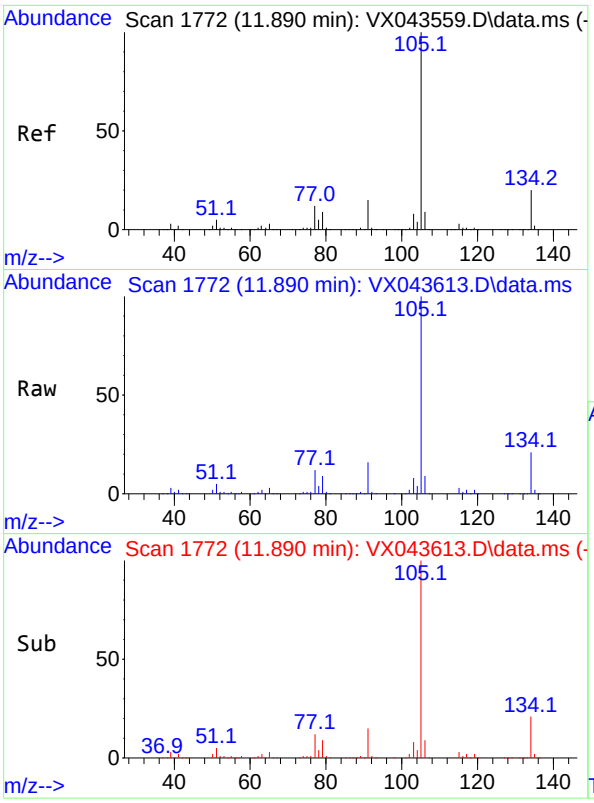


#84
1,2,4-Trimethylbenzene
Concen: 19.234 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:105 Resp: 136562

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1



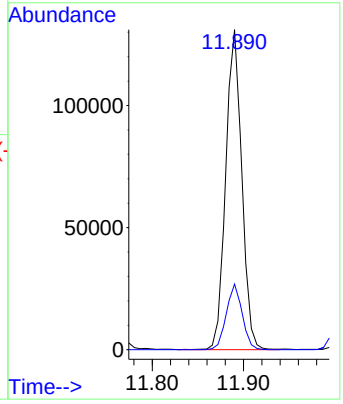


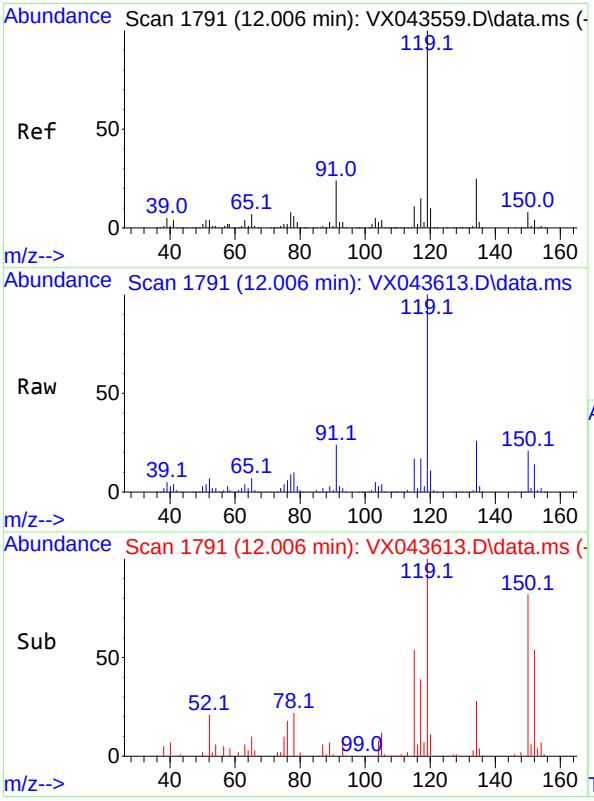
#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:105 Resp: 160544

Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

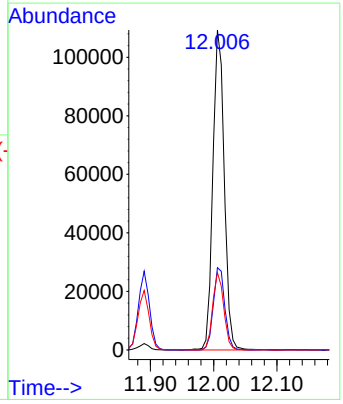


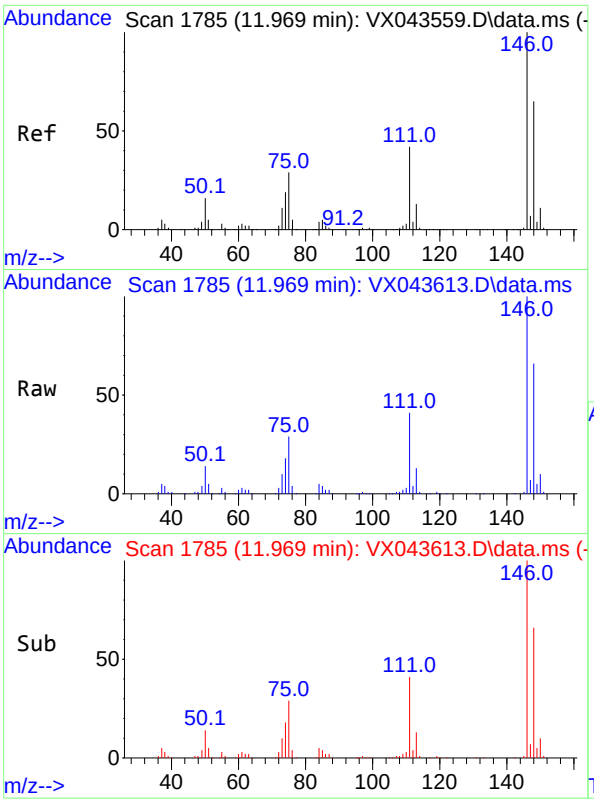


#86
p-Isopropyltoluene
Concen: 19.389 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:119 Resp: 136876

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	23.6	12.4	37.0



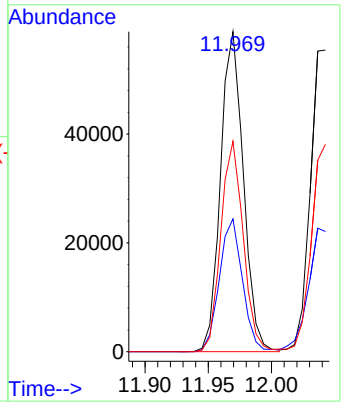


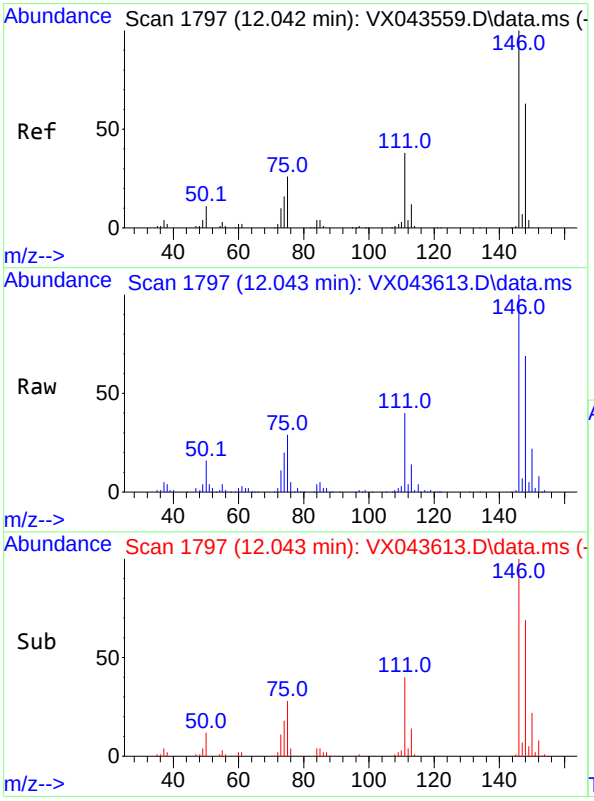
#87
1,3-Dichlorobenzene
Concen: 19.047 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:146 Resp: 73659

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	64.8	31.6	94.8

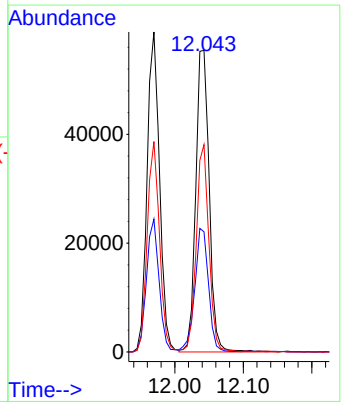


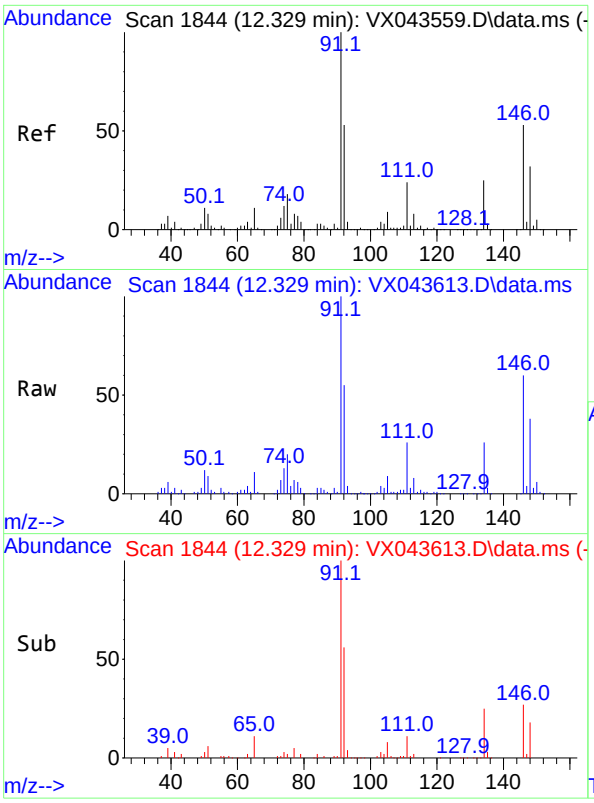


#88
1,4-Dichlorobenzene
Concen: 18.970 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:146 Resp: 76016

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	63.9	31.9	95.9



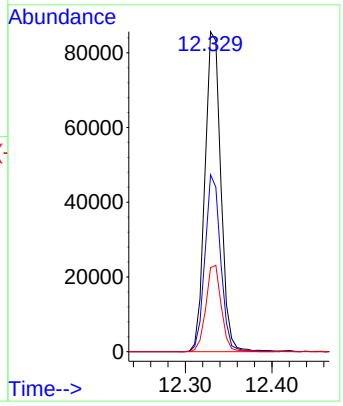


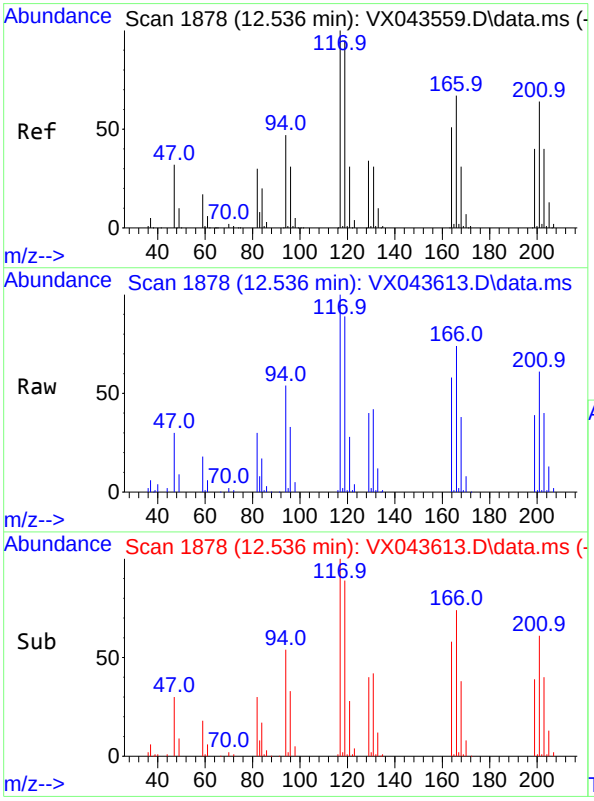
#89
n-Butylbenzene
Concen: 19.018 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 91 Resp: 109400

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	26.2	12.9	38.6

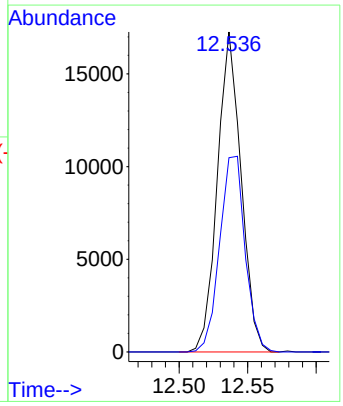


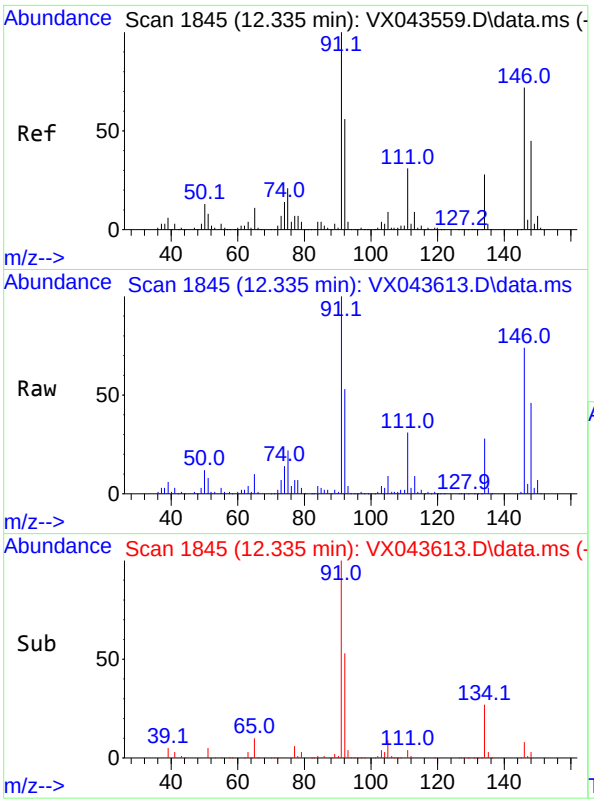


#90
Hexachloroethane
Concen: 18.065 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:117 Resp: 20716

Ion	Ratio	Lower	Upper
117	100		
201	66.0	32.9	98.7



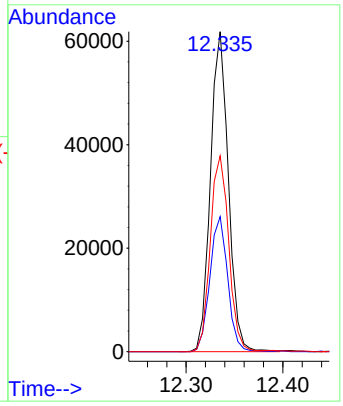


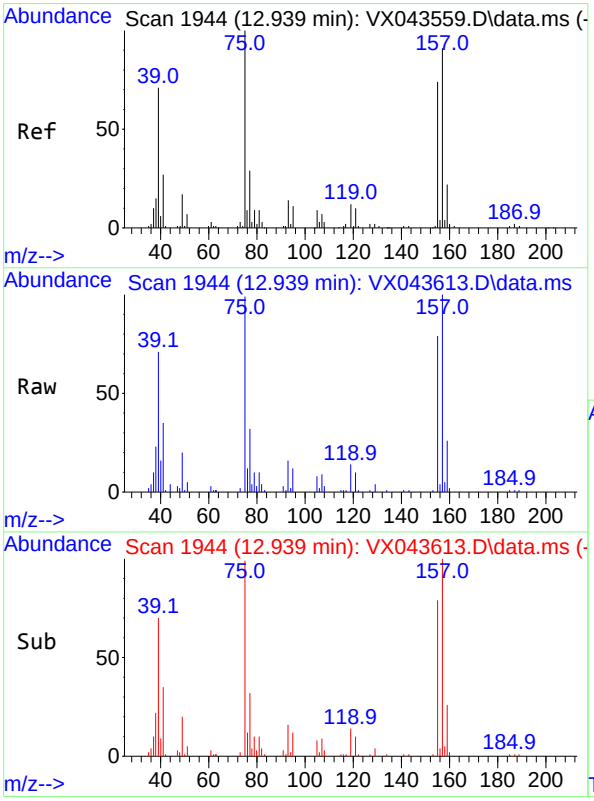
#91
1,2-Dichlorobenzene
Concen: 20.088 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:146 Resp: 79439

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.6
148	63.8	31.6	95.0

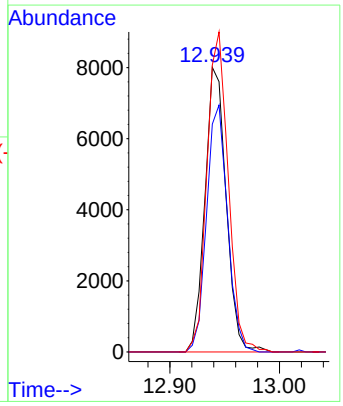


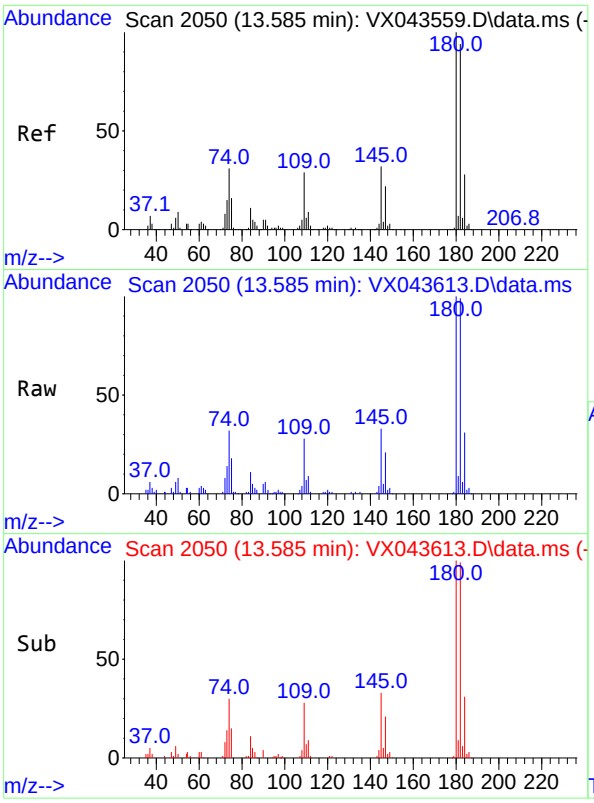


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.599 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion: 75 Resp: 10780

Ion	Ratio	Lower	Upper
75	100		
155	85.5	40.1	120.3
157	112.8	50.8	152.4



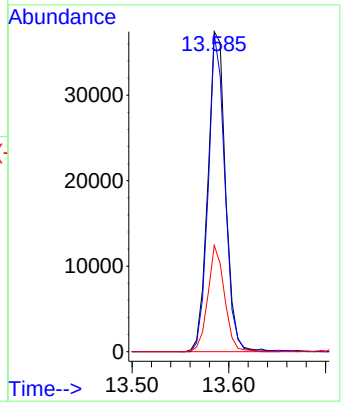


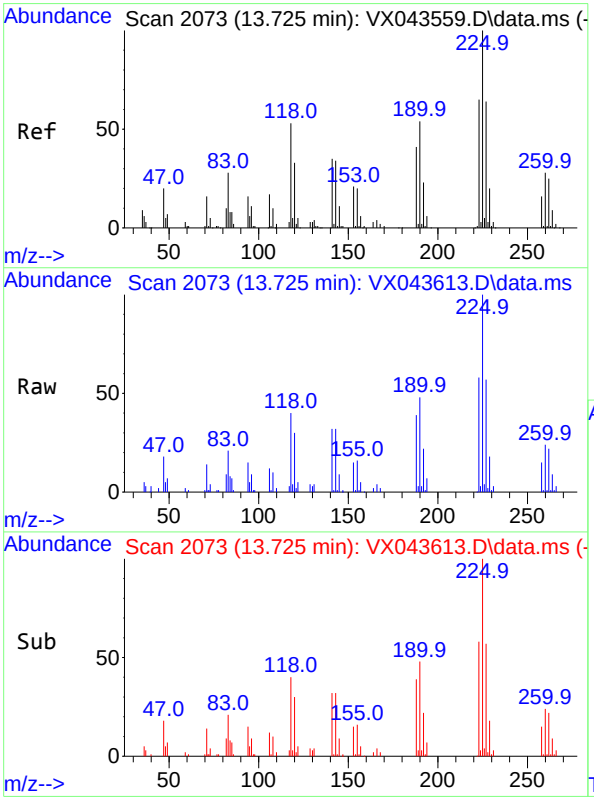
#93
1,2,4-Trichlorobenzene
Concen: 19.794 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:180 Resp: 47511

Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.8	140.4
145	31.2	16.1	48.3

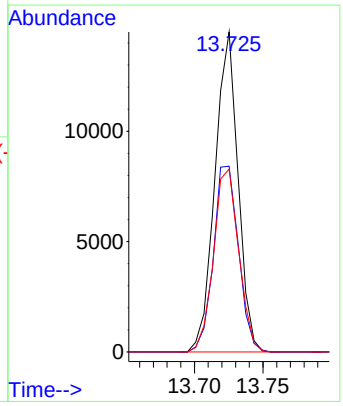


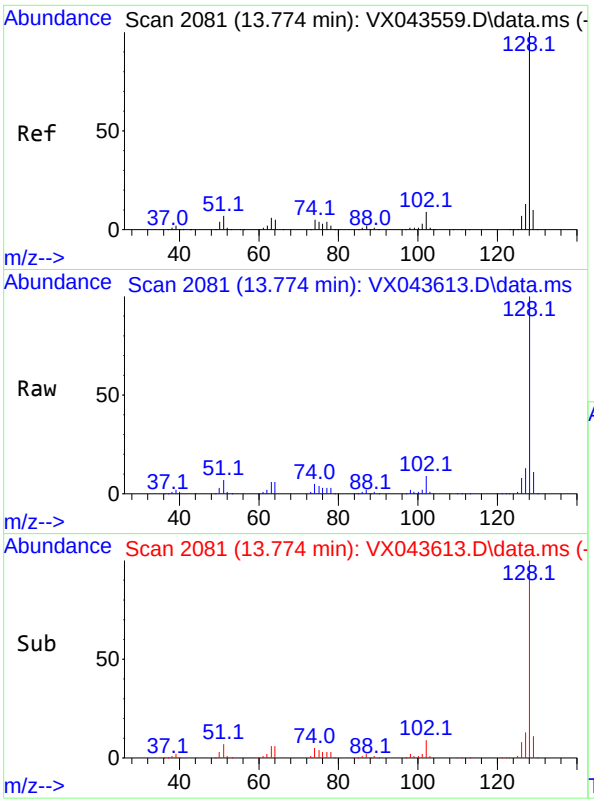


#94
Hexachlorobutadiene
Concen: 19.168 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:225 Resp: 16964

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	62.1	31.6	94.8



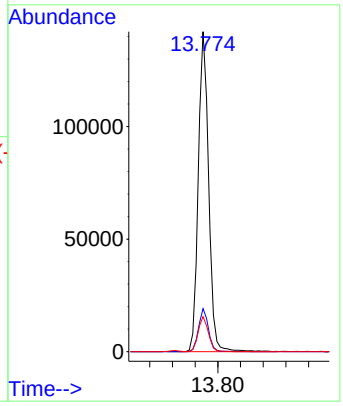


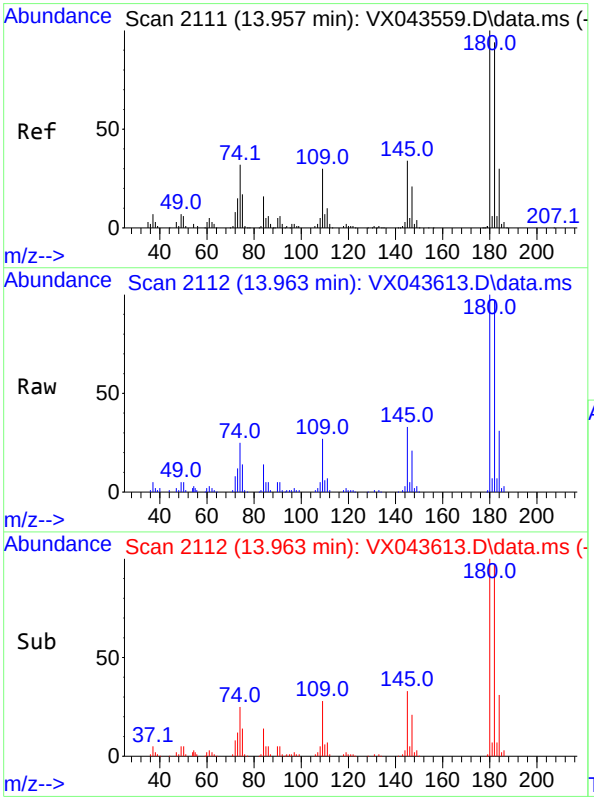
#95
Naphthalene
Concen: 19.576 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:128 Resp: 179816

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

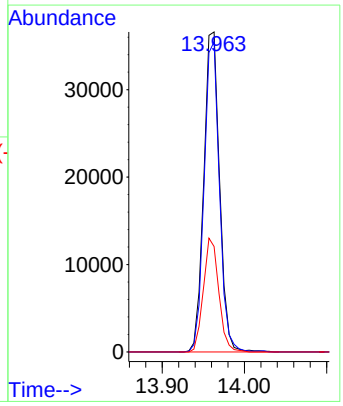




#96
1,2,3-Trichlorobenzene
Concen: 19.280 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043613.D
Acq: 30 Oct 2024 10:56

Tgt Ion:180 Resp: 48793

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	34.8	17.4	52.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	178240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	309741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	119154	41.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.840%			
35) Dibromofluoromethane	5.385	113	101122	48.145	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.300%			
50) Toluene-d8	8.647	98	364584	50.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	11.079	95	129928	48.226	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	79275	41.589	ug/l	99
3) Chloromethane	1.294	50	96812	39.732	ug/l	99
4) Vinyl Chloride	1.374	62	100526	44.452	ug/l	97
5) Bromomethane	1.593	94	39084	42.395	ug/l	98
6) Chloroethane	1.660	64	37538	47.116	ug/l	99
7) Trichlorofluoromethane	1.861	101	137983	49.946	ug/l	99
8) Diethyl Ether	2.136	74	58194	45.591	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	91191	48.808	ug/l	97
10) Methyl Iodide	2.441	142	127844	47.361	ug/l	95
11) Tert butyl alcohol	3.014	59	103782	195.641	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	92067	48.221	ug/l	91
13) Acrolein	2.239	56	81147	195.607	ug/l	97
14) Allyl chloride	2.654	41	146465	44.352	ug/l	94
15) Acrylonitrile	3.069	53	263576	220.072	ug/l	99
16) Acetone	2.392	43	213080	188.800	ug/l	97
17) Carbon Disulfide	2.502	76	171185	42.877	ug/l	98
18) Methyl Acetate	2.709	43	135378	41.043	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	319117	43.949	ug/l	97
20) Methylene Chloride	2.782	84	103475	42.541	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	95349	47.270	ug/l	94
22) Diisopropyl ether	3.764	45	300353	44.002	ug/l	92
23) Vinyl Acetate	3.721	43	1249182	221.516	ug/l	99
24) 1,1-Dichloroethane	3.605	63	175913	44.839	ug/l	98
25) 2-Butanone	4.562	43	343103	208.407	ug/l	94
26) 2,2-Dichloropropane	4.471	77	128379	39.976	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	120050	46.591	ug/l	95
28) Bromochloromethane	4.891	49	81637	43.742	ug/l	93
29) Tetrahydrofuran	5.007	42	224202	209.558	ug/l	96
30) Chloroform	5.086	83	184309	44.816	ug/l	96
31) Cyclohexane	5.458	56	136826	45.598	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	160242	46.410	ug/l	98
36) 1,1-Dichloropropene	5.684	75	117552	47.200	ug/l	97
37) Ethyl Acetate	4.715	43	133728	44.228	ug/l	98
38) Carbon Tetrachloride	5.672	117	132473	48.140	ug/l	99
39) Methylcyclohexane	7.379	83	148577	48.050	ug/l	95
40) Benzene	6.031	78	392480	47.238	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	73728	46.454	ug/l		96
42) 1,2-Dichloroethane	6.080	62	129043	43.203	ug/l		97
43) Isopropyl Acetate	6.342	43	220004	43.998	ug/l		98
44) Trichloroethene	7.123	130	102297	49.561	ug/l		93
45) 1,2-Dichloropropane	7.421	63	95978	46.915	ug/l		99
46) Dibromomethane	7.580	93	70976	45.058	ug/l		94
47) Bromodichloromethane	7.818	83	129855	46.992	ug/l		98
48) Methyl methacrylate	7.696	41	107340	45.277	ug/l		95
49) 1,4-Dioxane	7.671	88	51867	1064.890	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	693837	227.662	ug/l		97
52) Toluene	8.714	92	247578	49.134	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	136565	46.012	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	151502	47.908	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	100639	47.983	ug/l		99
56) Ethyl methacrylate	9.116	69	161195	47.299	ug/l		93
57) 1,3-Dichloropropane	9.305	76	164980	47.294	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	376649	228.196	ug/l		96
59) 2-Hexanone	9.433	43	526010	227.247	ug/l		96
60) Dibromochloromethane	9.519	129	102501	49.353	ug/l		99
61) 1,2-Dibromoethane	9.610	107	104203	47.860	ug/l		97
64) Tetrachloroethene	9.269	164	88371	52.495	ug/l		91
65) Chlorobenzene	10.079	112	275636	47.866	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	95145	50.585	ug/l		98
67) Ethyl Benzene	10.195	91	457507	48.724	ug/l		100
68) m/p-Xylenes	10.299	106	361281	100.611	ug/l		95
69) o-Xylene	10.640	106	180468	50.021	ug/l		98
70) Styrene	10.653	104	304770	50.824	ug/l		99
71) Bromoform	10.799	173	67510	49.919	ug/l	#	97
73) Isopropylbenzene	10.963	105	458206	49.624	ug/l		100
74) N-amyl acetate	10.842	43	204963	45.567	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	154974	46.675	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	168127	60.325	ug/l		82
77) Bromobenzene	11.195	156	114236	47.913	ug/l		97
78) n-propylbenzene	11.305	91	506292	50.290	ug/l		98
79) 2-Chlorotoluene	11.366	91	312933	46.876	ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	381288	49.526	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	46497	45.896	ug/l		93
82) 4-Chlorotoluene	11.451	91	357029	47.649	ug/l		96
83) tert-Butylbenzene	11.713	119	393454	50.251	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	387269	49.359	ug/l		96
85) sec-Butylbenzene	11.890	105	470486	51.265	ug/l		98
86) p-Isopropyltoluene	12.006	119	403373	51.708	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	208079	48.692	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	208065	46.988	ug/l		99
89) n-Butylbenzene	12.329	91	332343	52.283	ug/l		100
90) Hexachloroethane	12.536	117	65193	51.448	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	215706	49.363	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30578	45.175	ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	133572	50.359	ug/l		99
94) Hexachlorobutadiene	13.725	225	50067	51.196	ug/l		99
95) Naphthalene	13.774	128	498265	49.090	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	137595	49.201	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

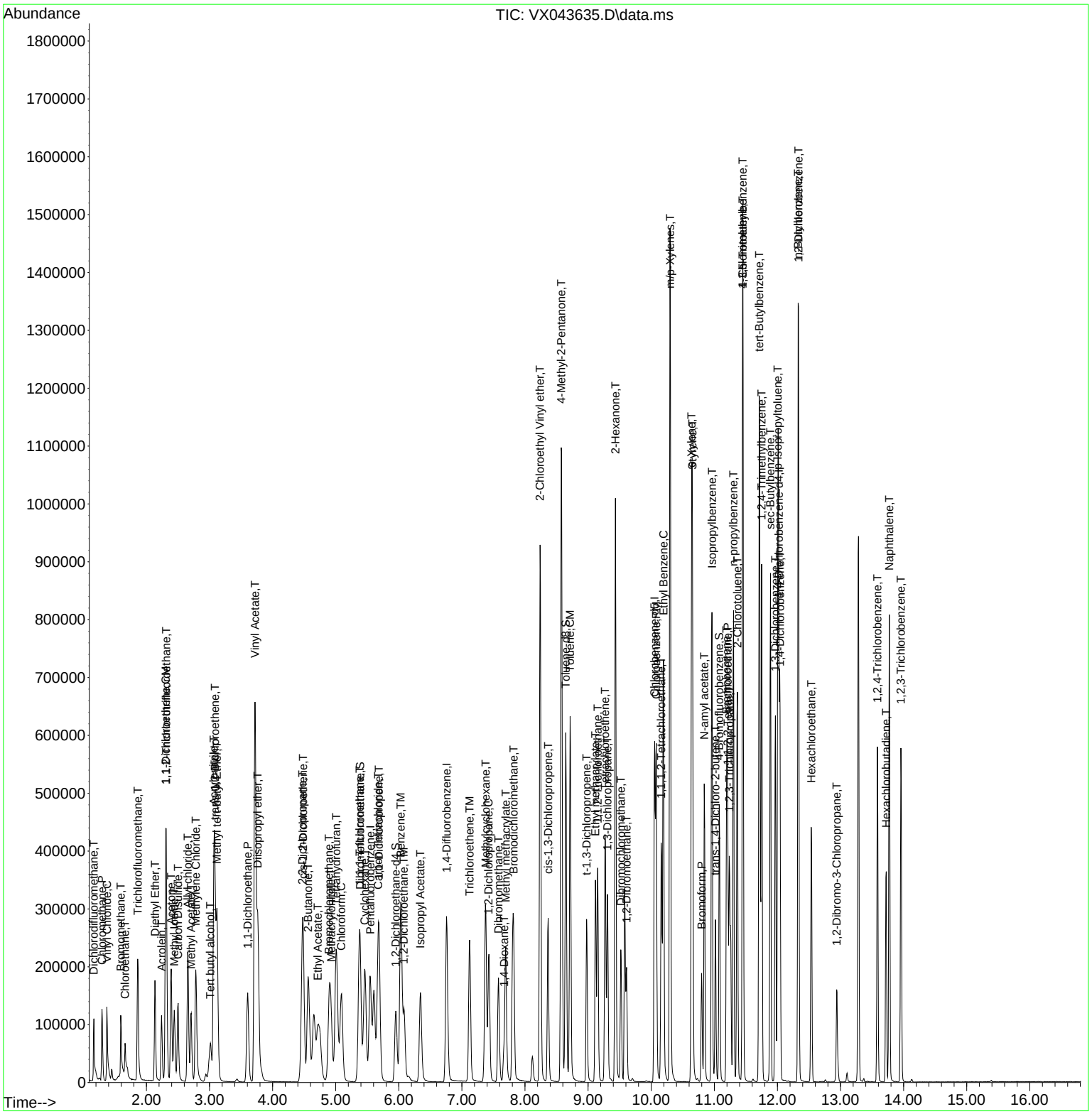
(#) = qualifier out of range (m) = manual integration (+) = signals summed

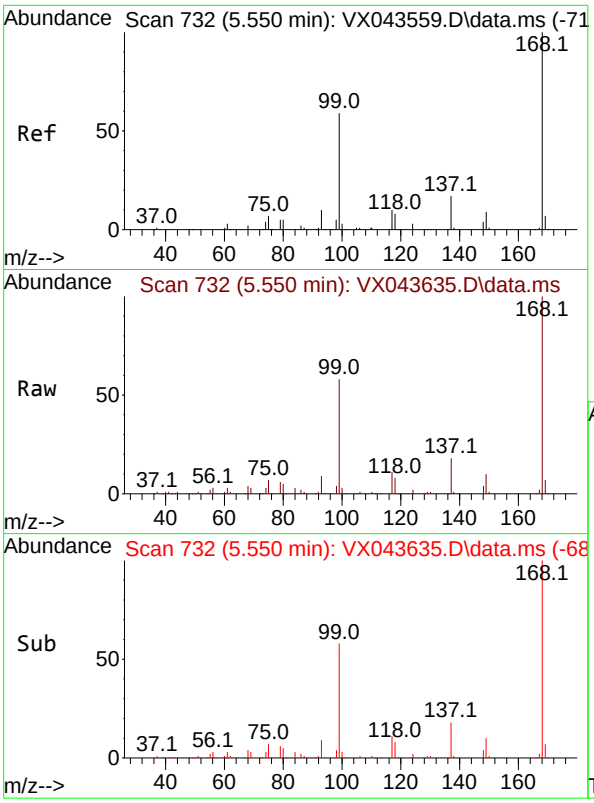
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043635.D
Acq On : 30 Oct 2024 19:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 31 23:05:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



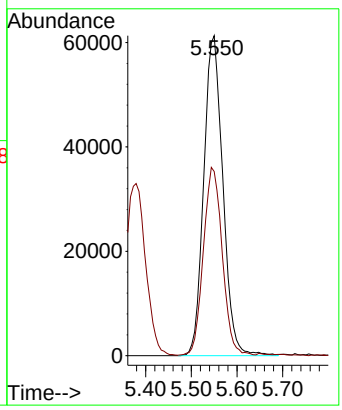


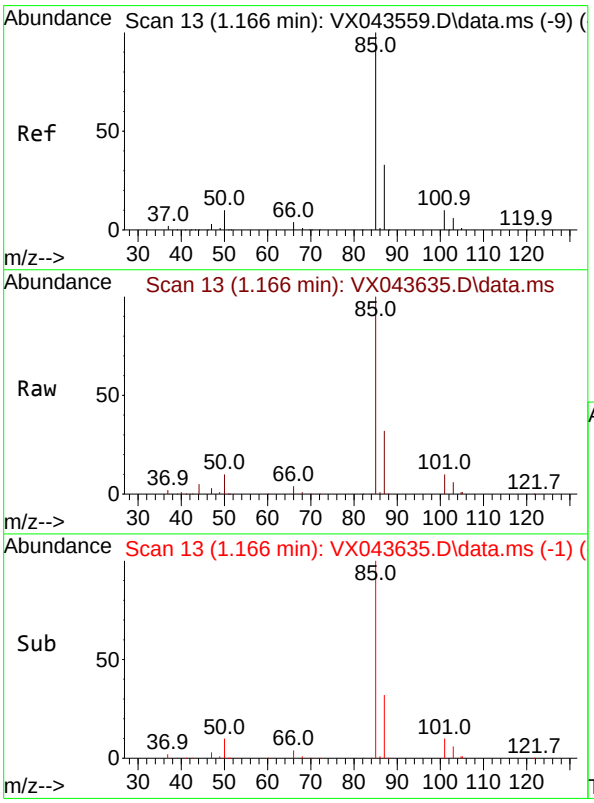
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 178240

Ion	Ratio	Lower	Upper
168	100		
99	57.4	52.6	78.8

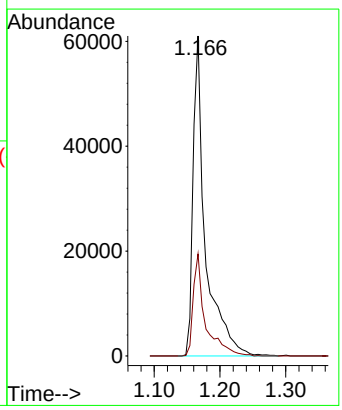


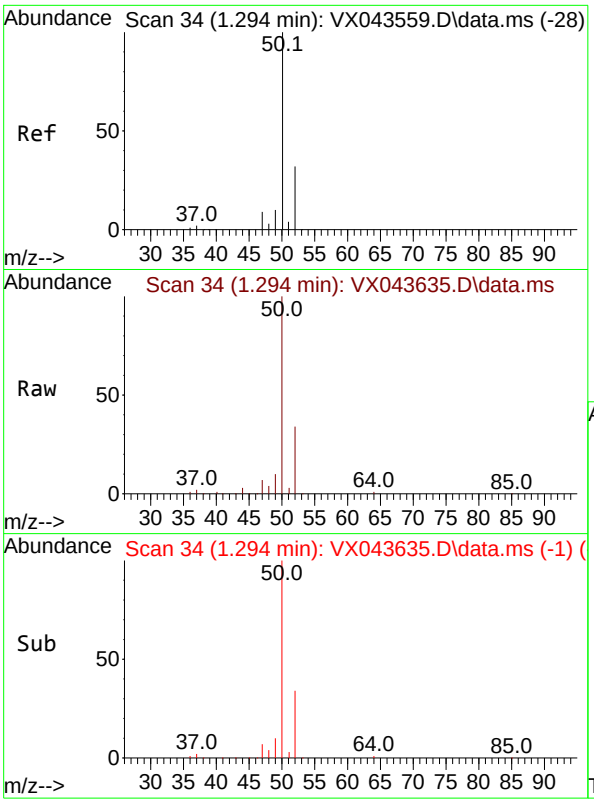


#2
Dichlorodifluoromethane
Concen: 41.589 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 85 Resp: 79275

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.0



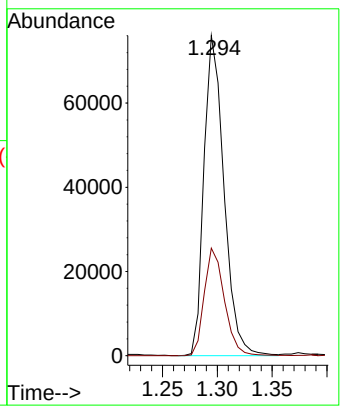


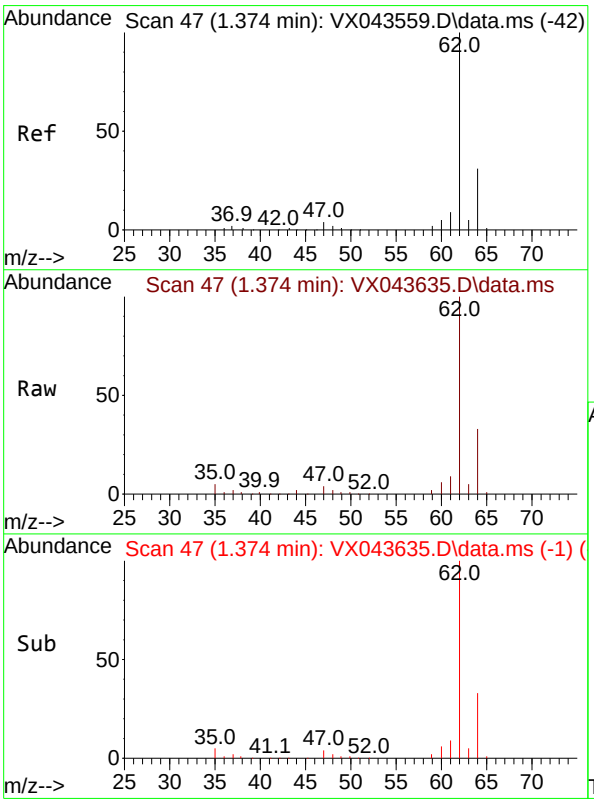
#3
Chloromethane
Concen: 39.732 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 96812

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.3	39.5

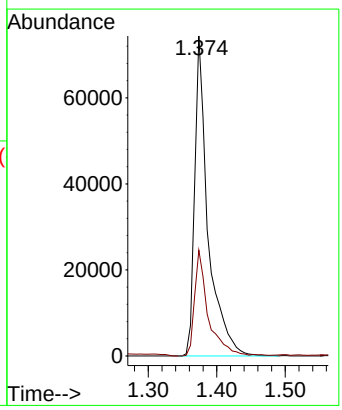


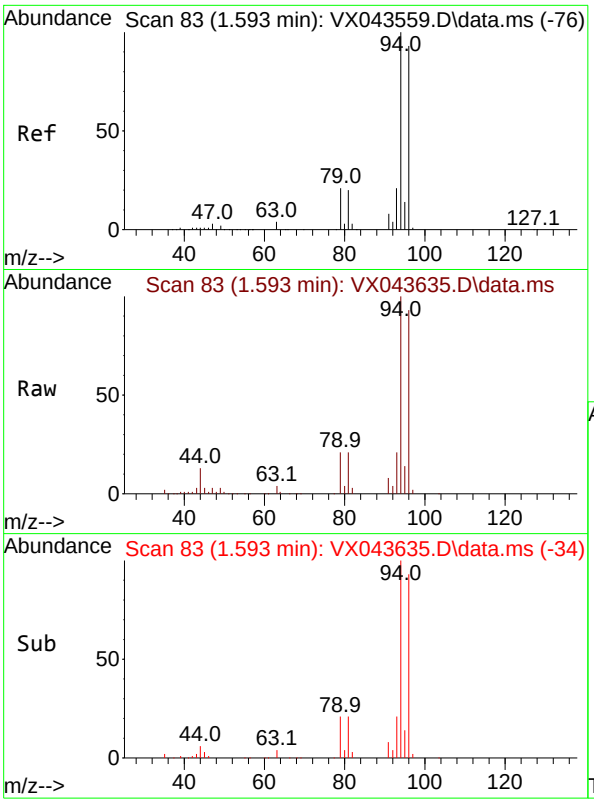


#4
Vinyl Chloride
Concen: 44.452 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 62 Resp: 100526

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.0	37.4



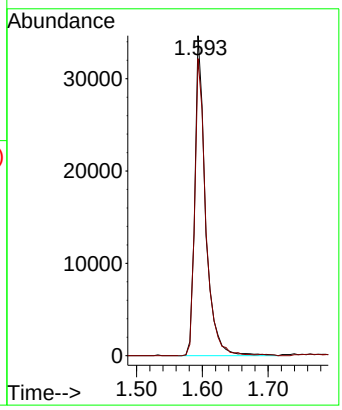


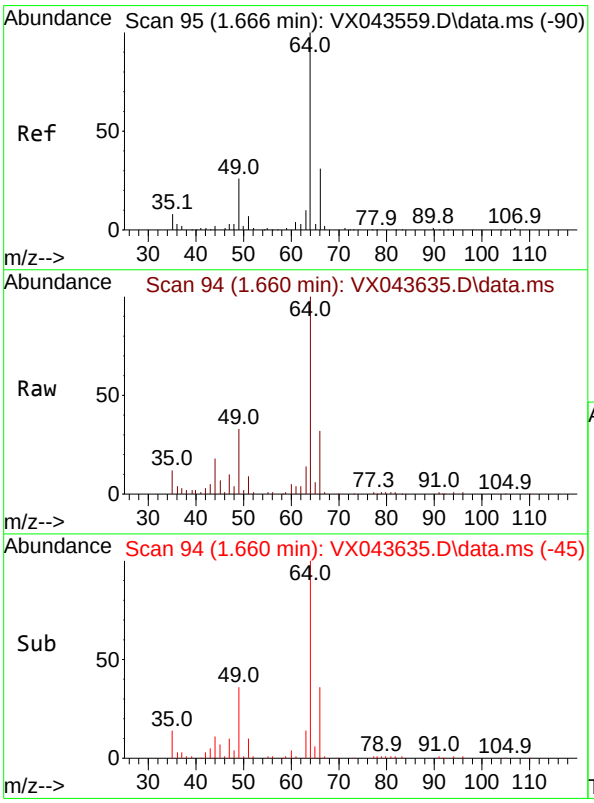
#5
Bromomethane
Concen: 42.395 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 39084

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.9	113.9

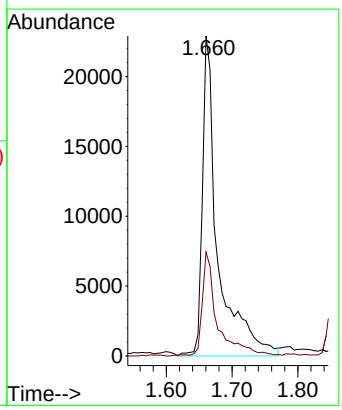


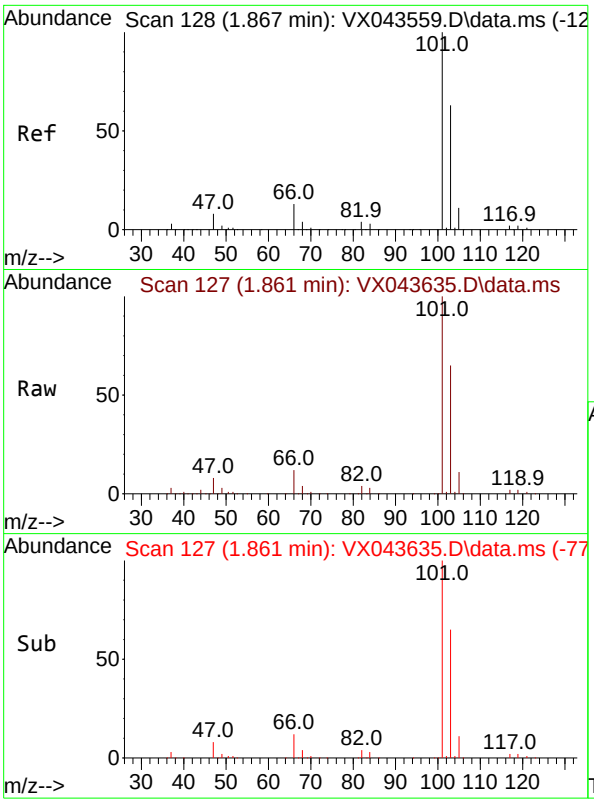


#6
Chloroethane
Concen: 47.116 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 64 Resp: 37538

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.1	37.7



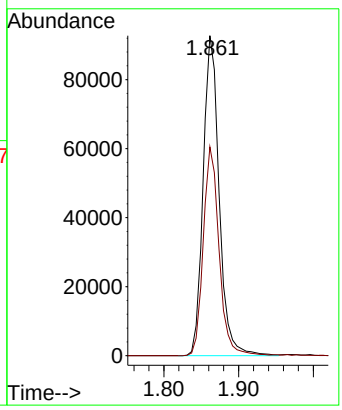


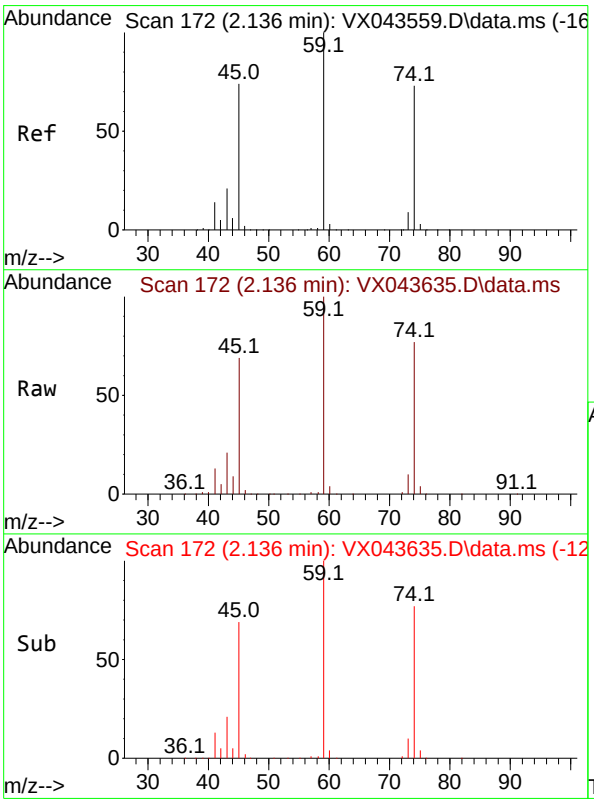
#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 137983

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

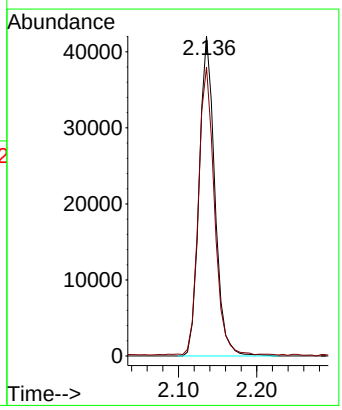


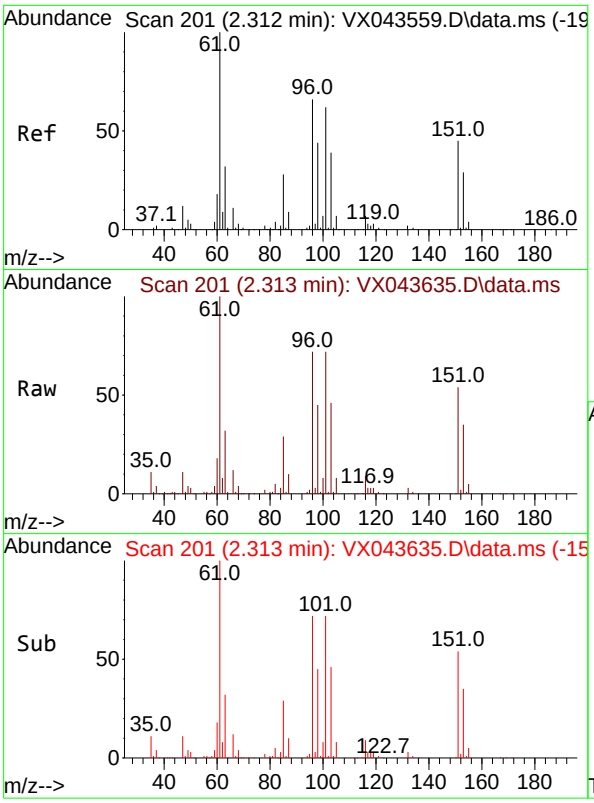


#8
Diethyl Ether
Concen: 45.591 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 74 Resp: 58194

Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.5	142.5



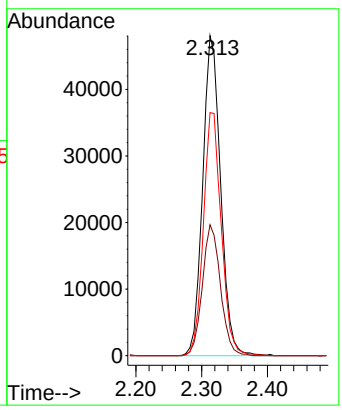


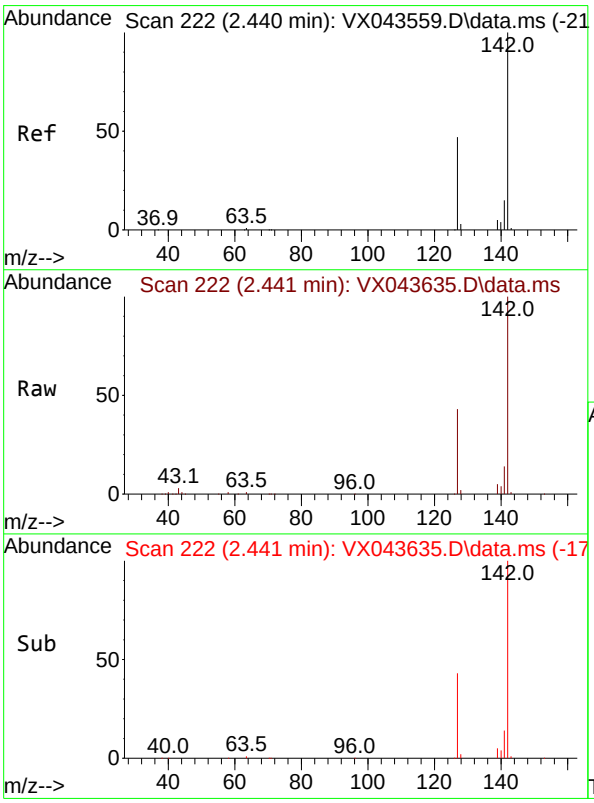
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.808 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 91191

Ion	Ratio	Lower	Upper
101	100		
85	41.3	34.5	51.7
151	75.9	58.2	87.2

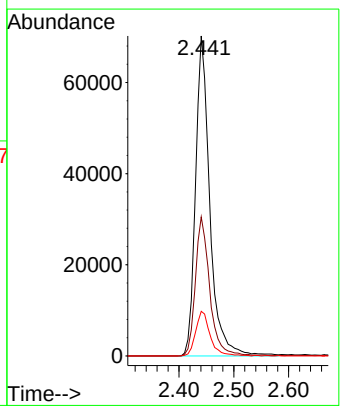


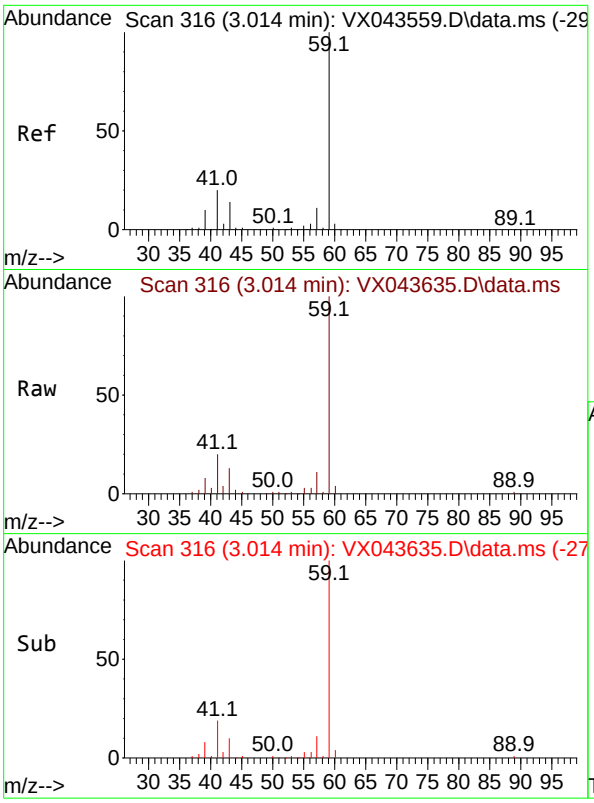


#10
Methyl Iodide
Concen: 47.361 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:142 Resp: 127844

Ion	Ratio	Lower	Upper
142	100		
127	43.6	38.2	57.4
141	14.2	11.5	17.3



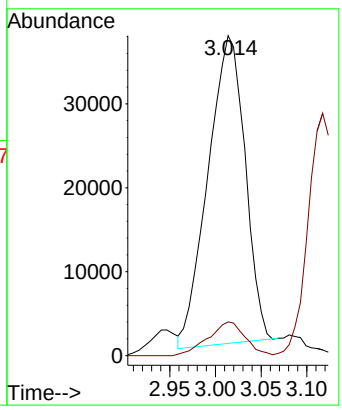


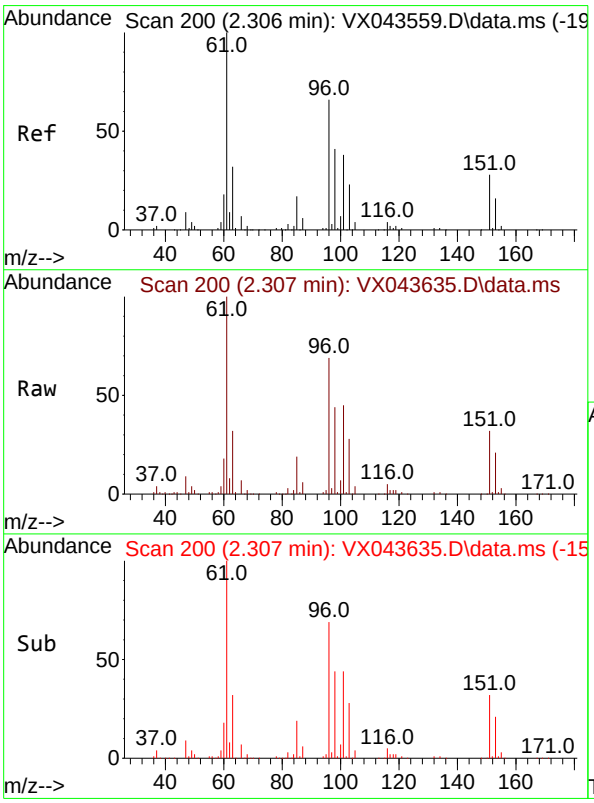
#11
Tert butyl alcohol
Concen: 195.641 ug/l
RT: 3.014 min Scan# 3
Delta R.T. -0.036 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 103782

Ion	Ratio	Lower	Upper
59	100		
57	11.0	0.0	0.0#

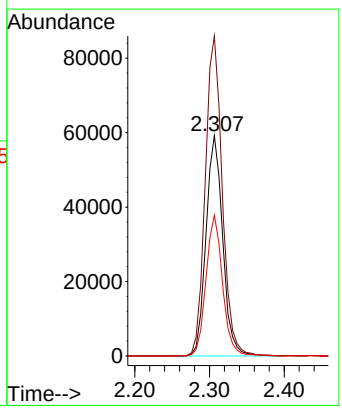


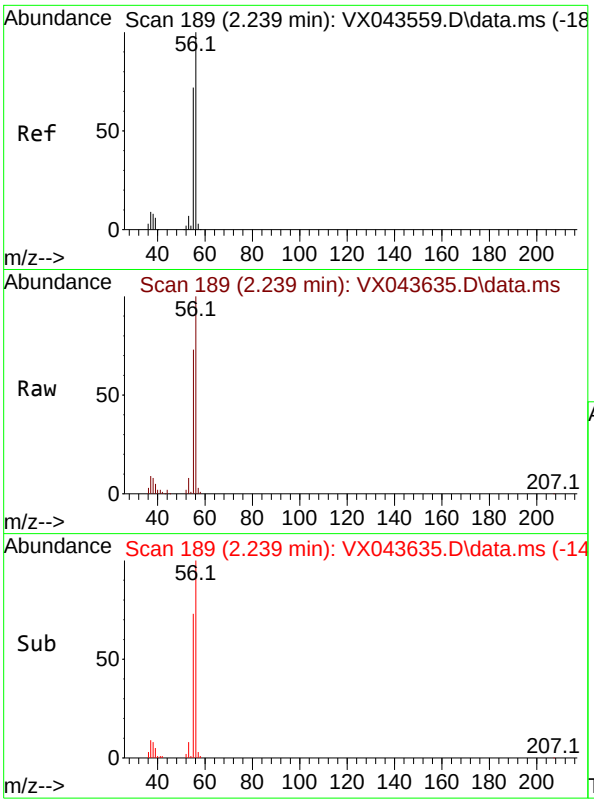


#12
1,1-Dichloroethene
Concen: 48.221 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 96 Resp: 92067

Ion	Ratio	Lower	Upper
96	100		
61	145.3	130.2	195.4
98	63.9	51.0	76.6



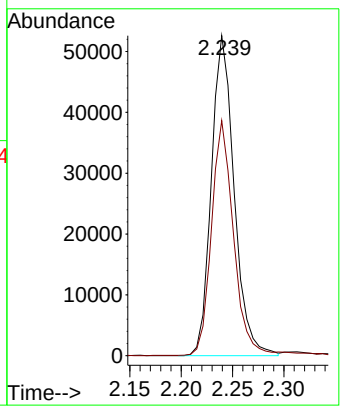


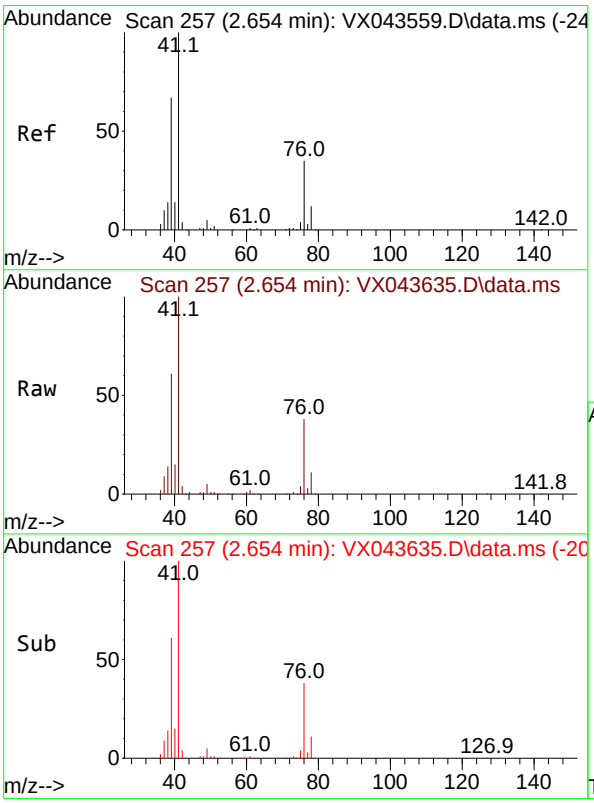
#13
Acrolein
Concen: 195.607 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 81147

Ion	Ratio	Lower	Upper
56	100		
55	71.7	55.3	82.9

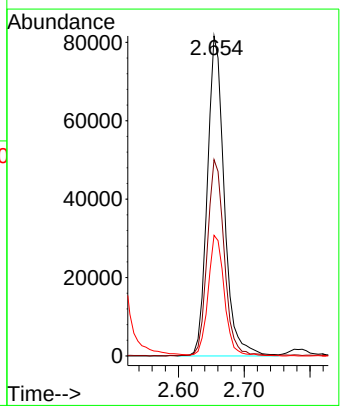


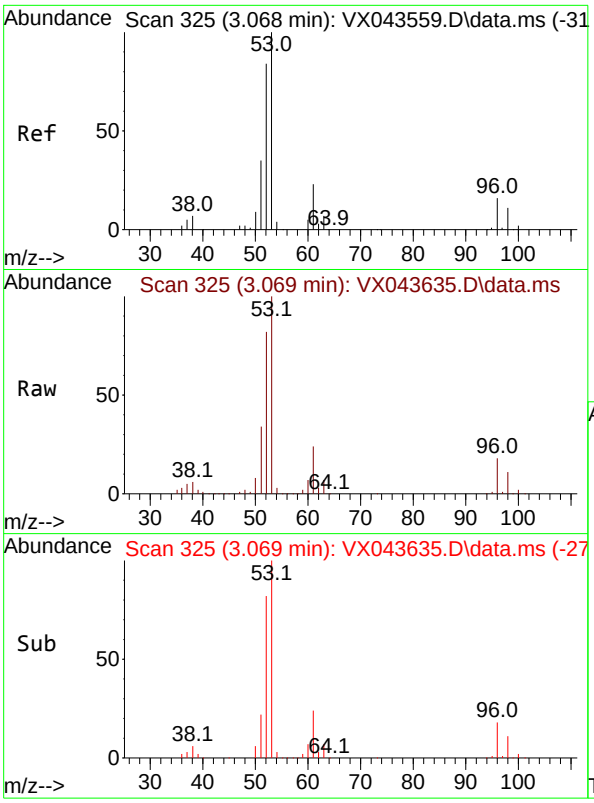


#14
Allyl chloride
Concen: 44.352 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 41 Resp: 146465

Ion	Ratio	Lower	Upper
41	100		
39	60.9	53.2	79.8
76	36.2	27.0	40.6



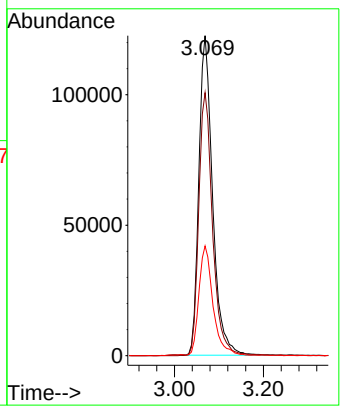


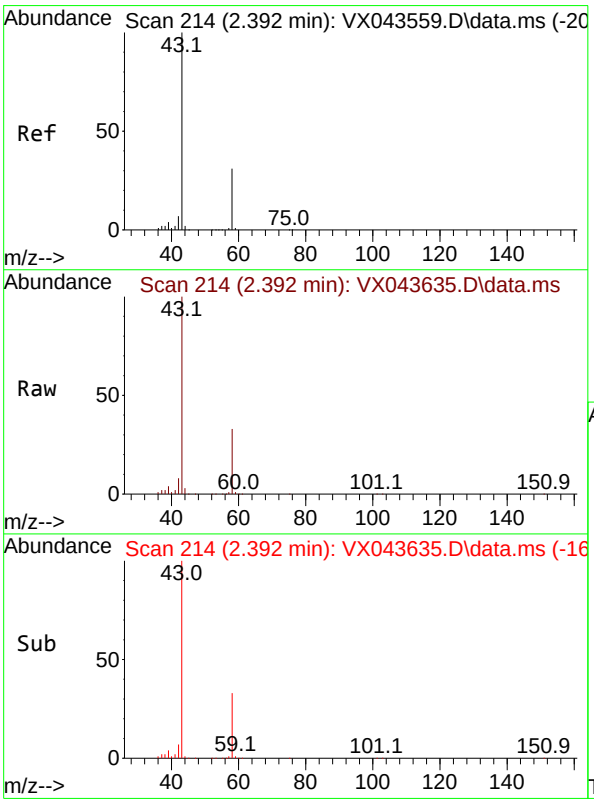
#15
Acrylonitrile
Concen: 220.072 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 263576

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.6
51	35.0	28.5	42.7

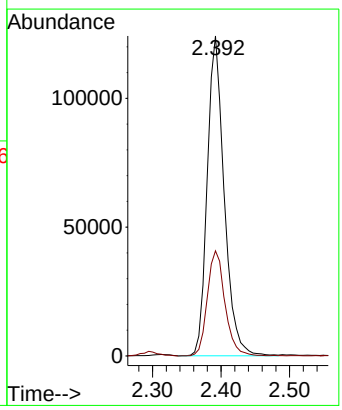


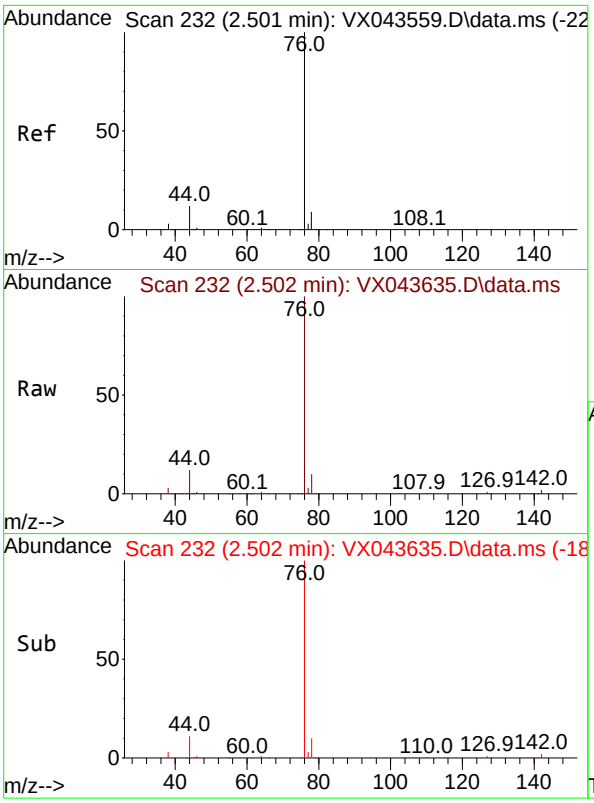


#16
Acetone
Concen: 188.800 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 213080

Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.1	37.7



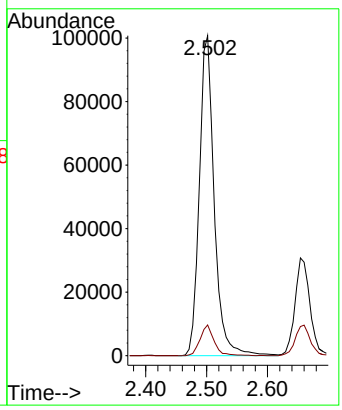


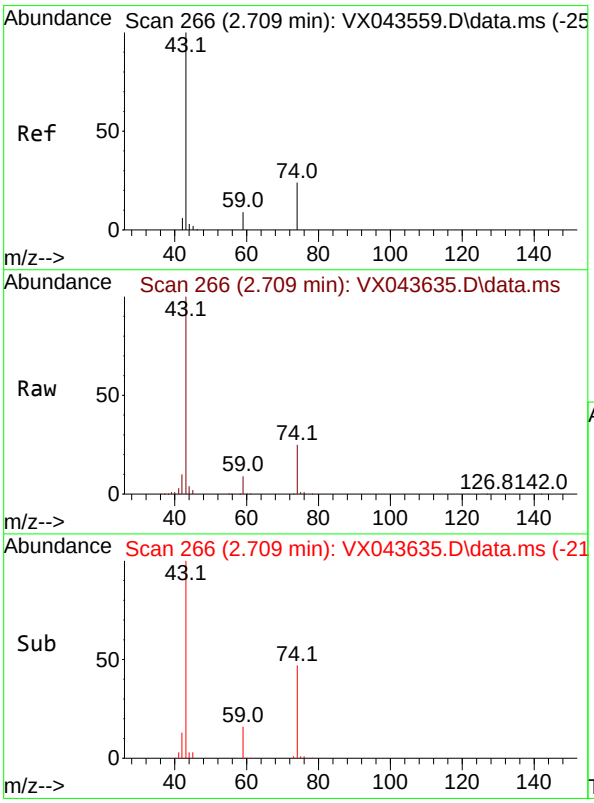
#17
Carbon Disulfide
Concen: 42.877 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 171185

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

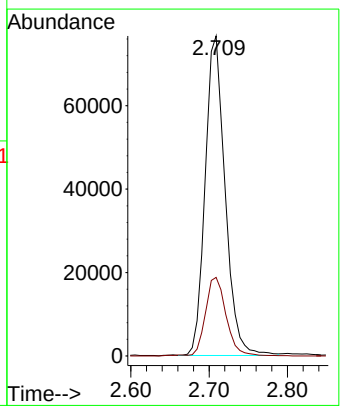


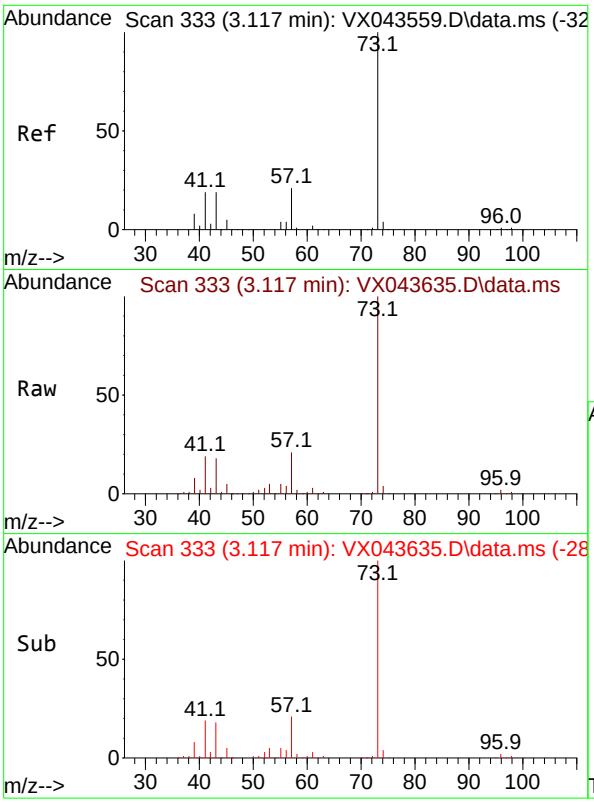


#18
Methyl Acetate
Concen: 41.043 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 135378

Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.1	28.7



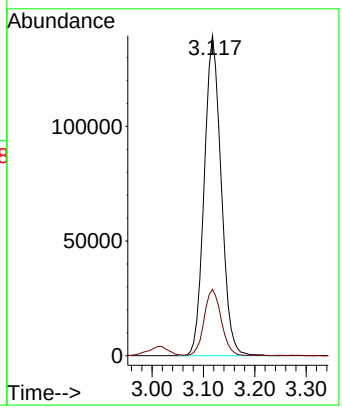


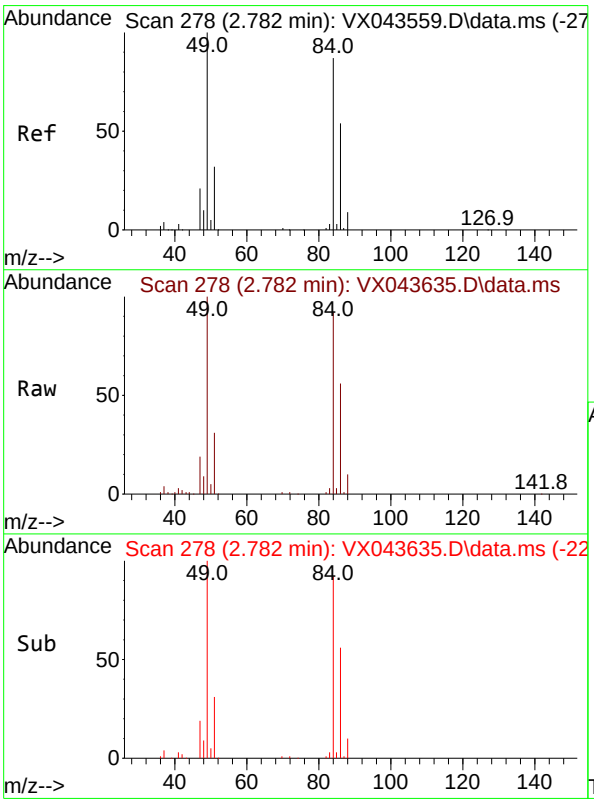
#19
Methyl tert-butyl Ether
Concen: 43.949 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 319117

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

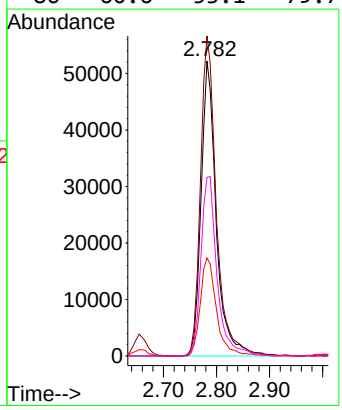


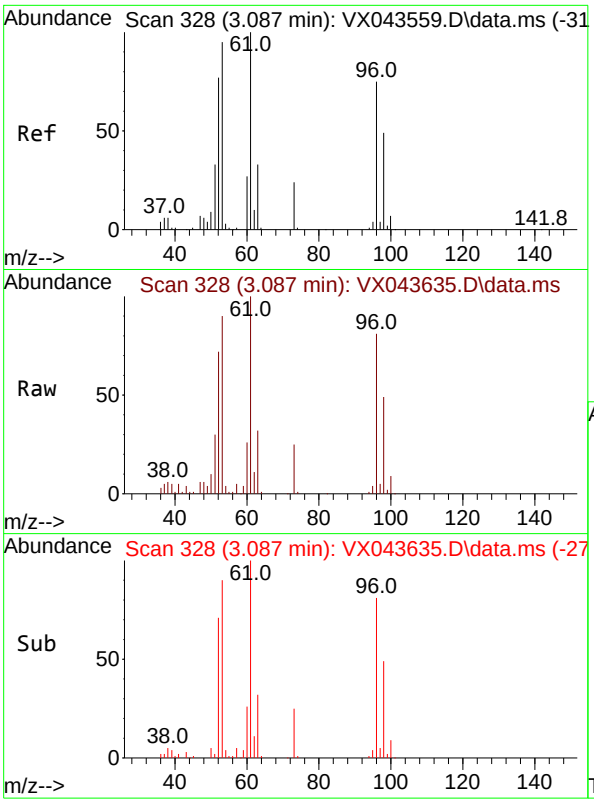


#20
Methylene Chloride
Concen: 42.541 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 84 Resp: 103475

Ion	Ratio	Lower	Upper
84	100		
49	108.5	97.0	145.6
51	33.2	29.8	44.8
86	60.6	53.1	79.7



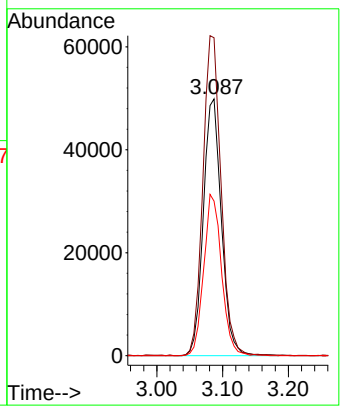


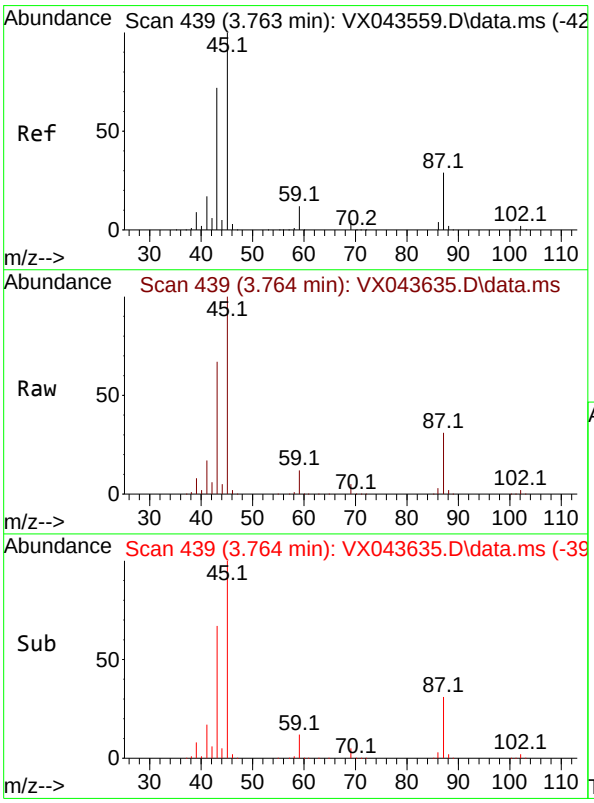
#21
trans-1,2-Dichloroethene
Concen: 47.270 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 95349

Ion	Ratio	Lower	Upper
96	100		
61	123.8	107.1	160.7
98	60.2	47.7	71.5

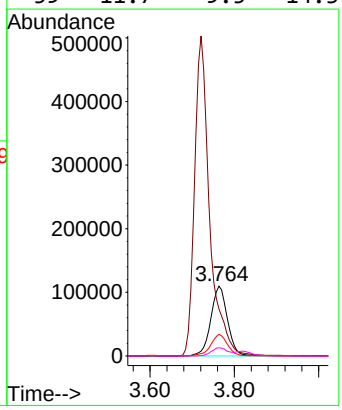


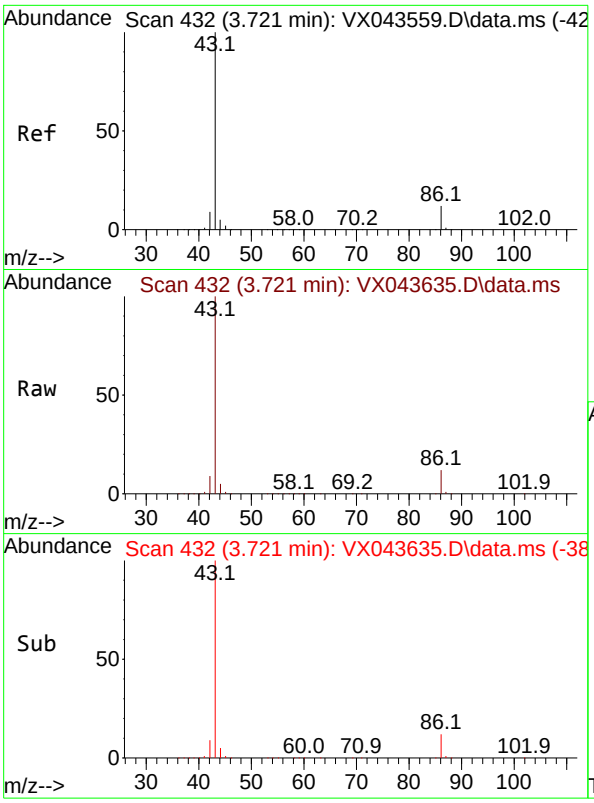


#22
Diisopropyl ether
Concen: 44.002 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 45 Resp: 300353

Ion	Ratio	Lower	Upper
45	100		
43	67.2	60.6	90.8
87	31.0	22.0	33.0
59	11.7	9.5	14.3



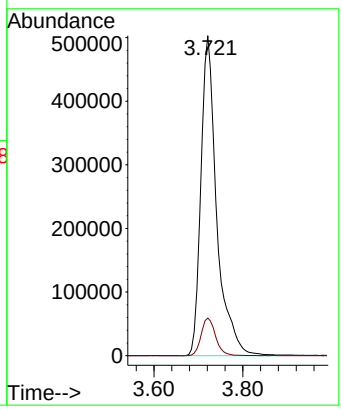


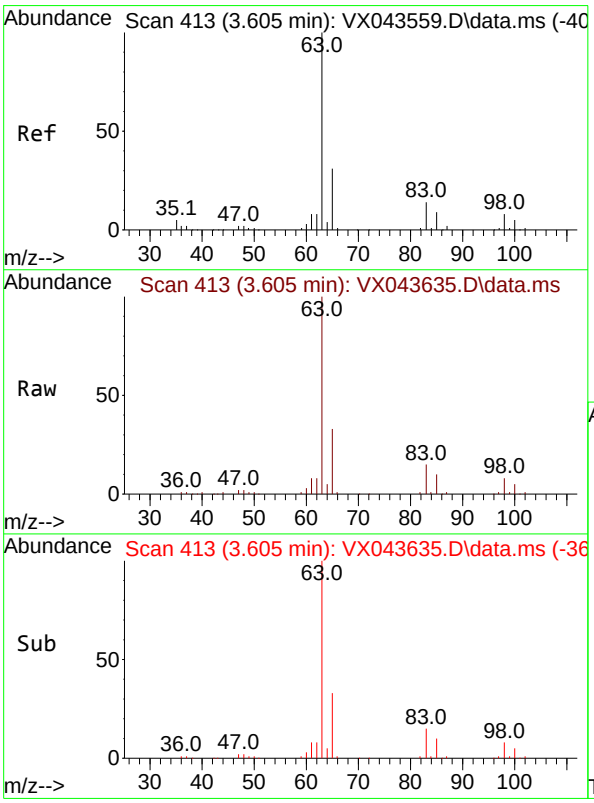
#23
Vinyl Acetate
Concen: 221.516 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1249182

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.0	13.4

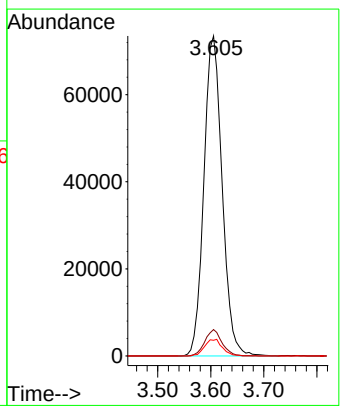


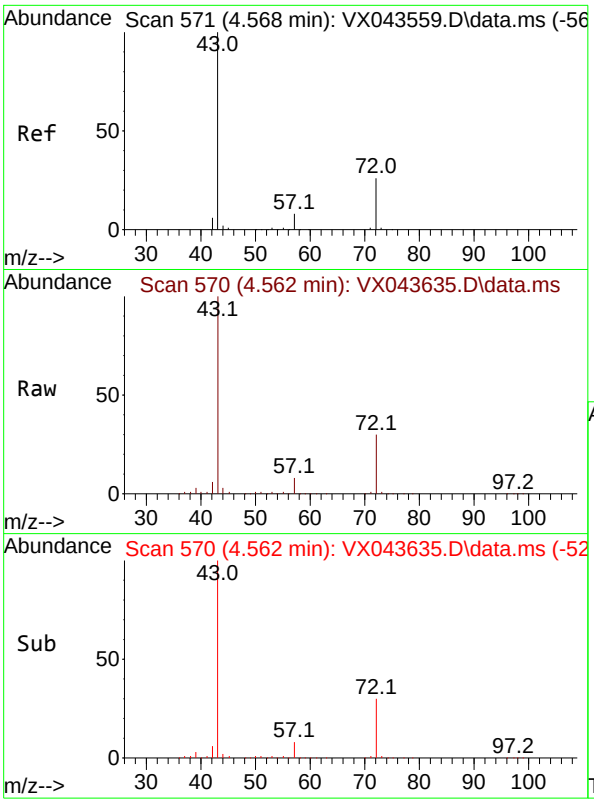


#24
1,1-Dichloroethane
Concen: 44.839 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 63 Resp: 175913

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.4
100	4.9	2.4	7.2



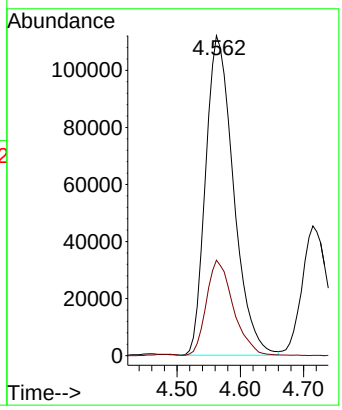


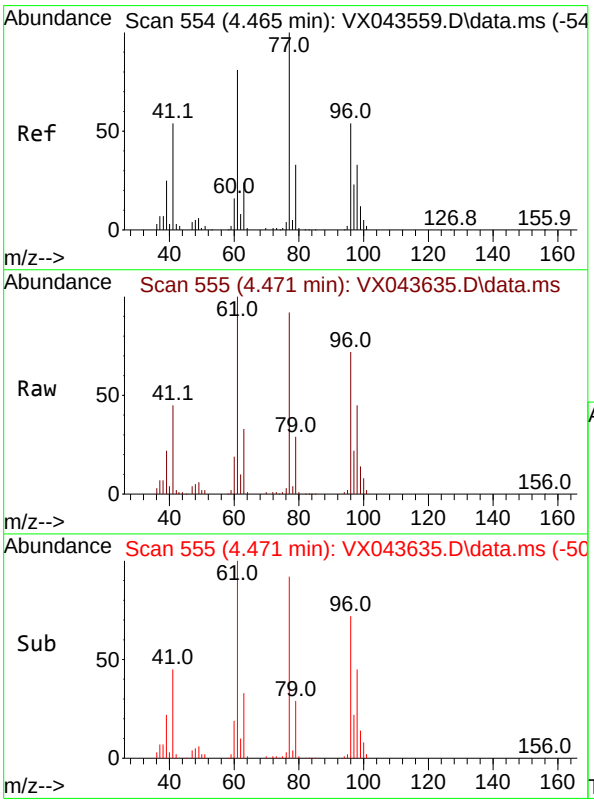
#25
2-Butanone
Concen: 208.407 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 343103

Ion	Ratio	Lower	Upper
43	100		
72	29.6	21.1	31.7

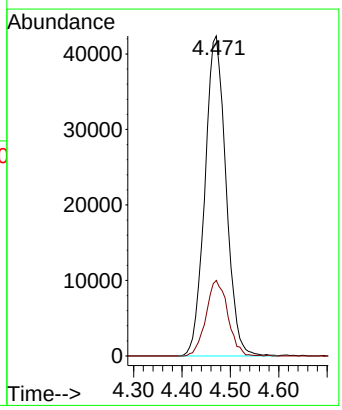


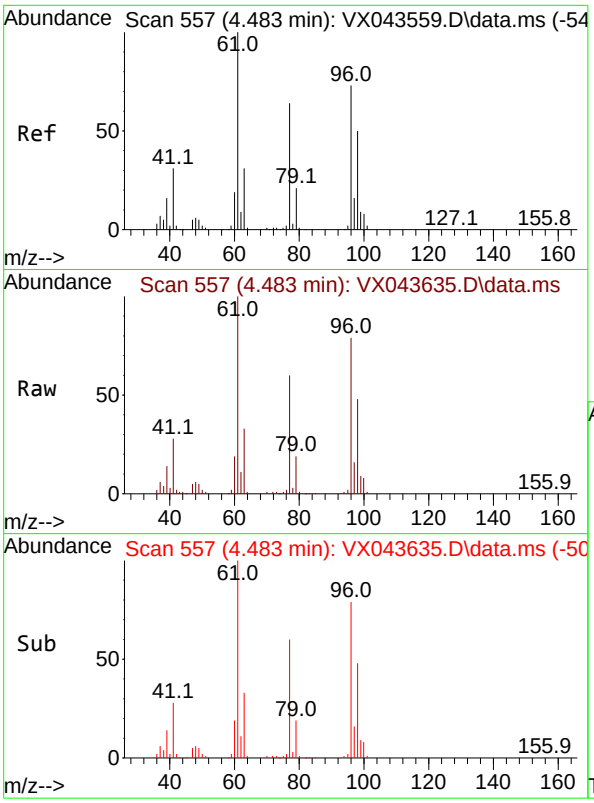


#26
2,2-Dichloropropane
Concen: 39.976 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 77 Resp: 128379

Ion	Ratio	Lower	Upper
77	100		
97	24.4	11.6	34.8



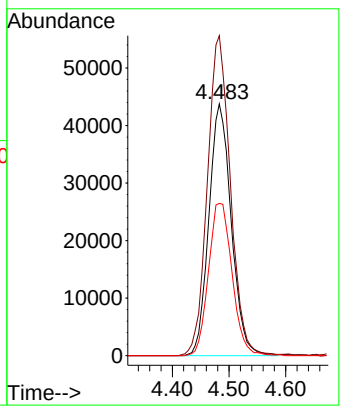


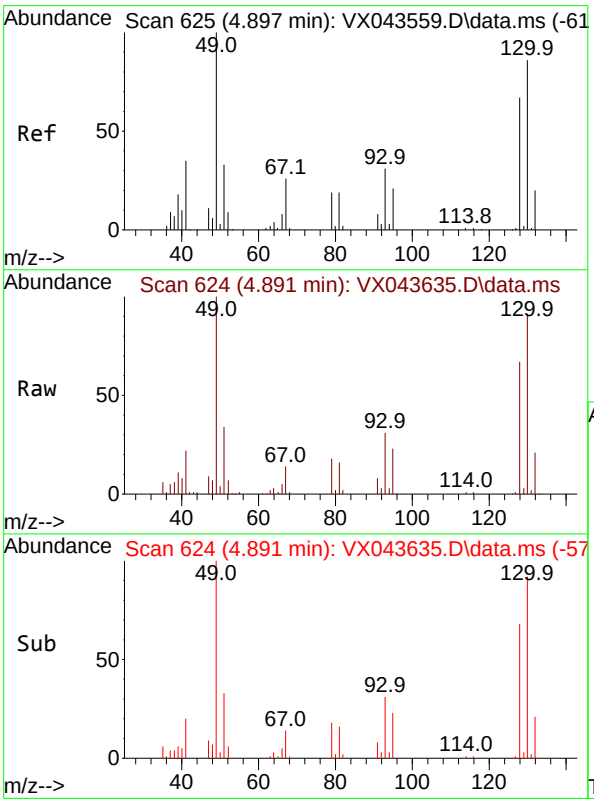
#27
cis-1,2-Dichloroethene
Concen: 46.591 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 120050

Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	277.2
98	63.6	0.0	131.6

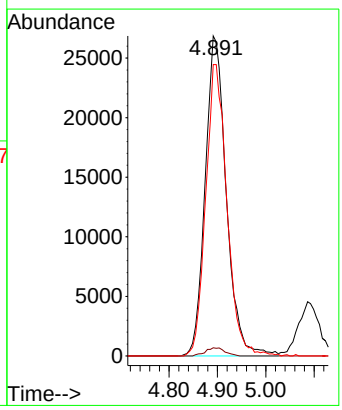


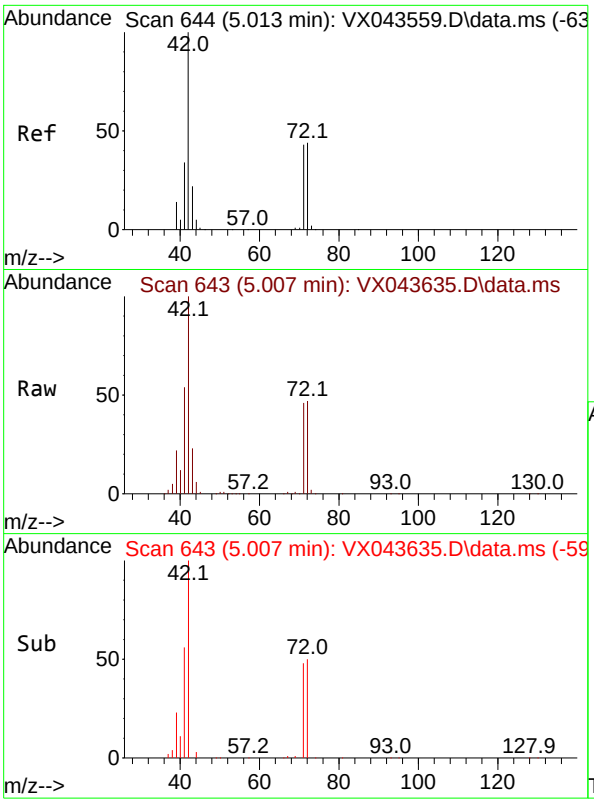


#28
Bromochloromethane
Concen: 43.742 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 49 Resp: 81637

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	91.3	67.8	101.8



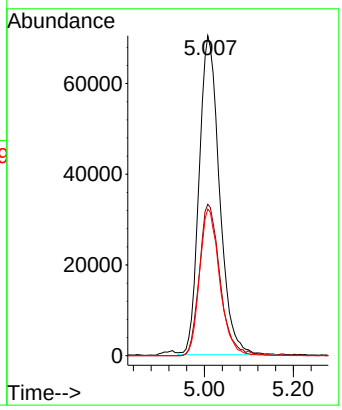


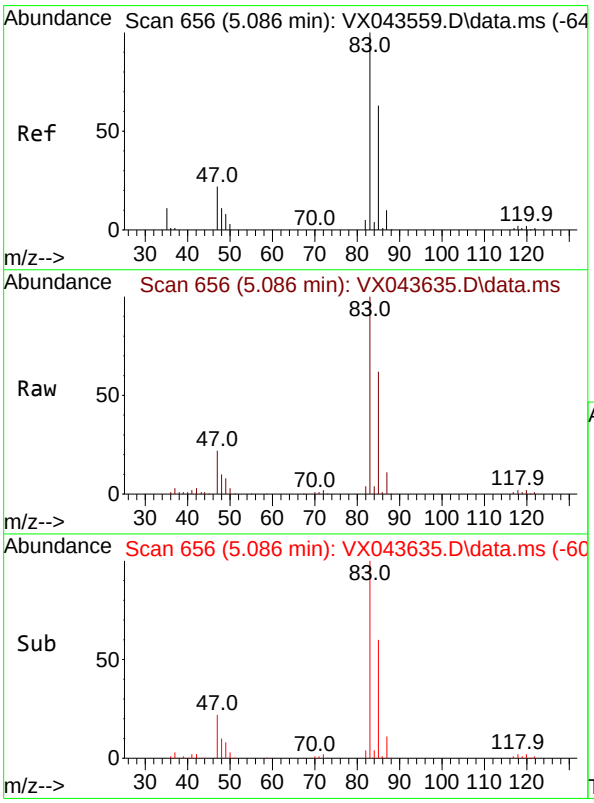
#29
Tetrahydrofuran
Concen: 209.558 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 224202

Ion	Ratio	Lower	Upper
42	100		
72	48.4	36.6	55.0
71	45.3	34.2	51.4

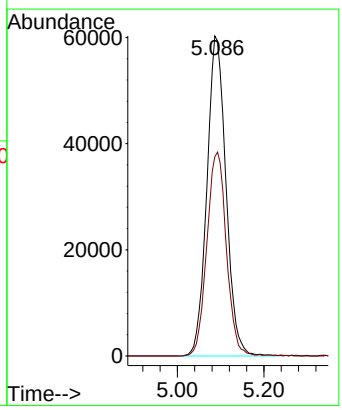


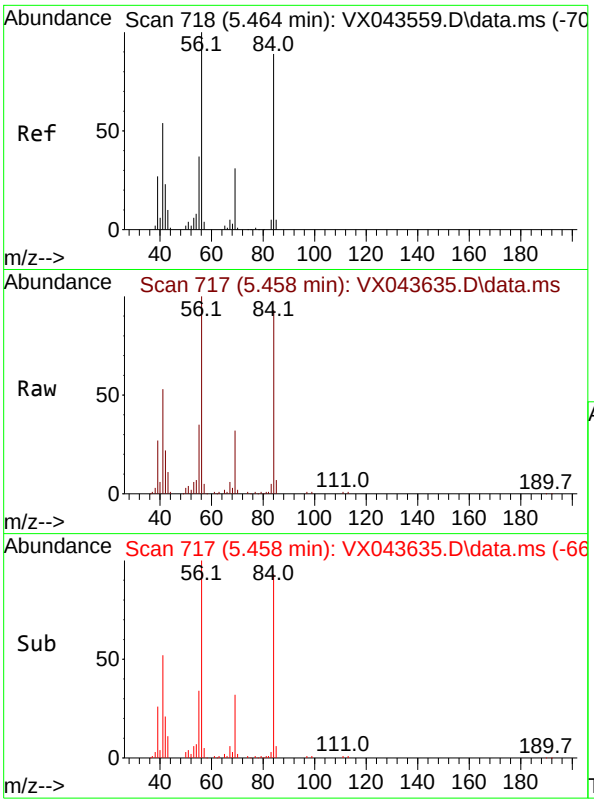


#30
Chloroform
Concen: 44.816 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 83 Resp: 184309

Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.2	78.4



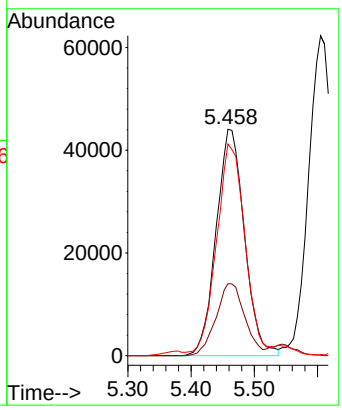


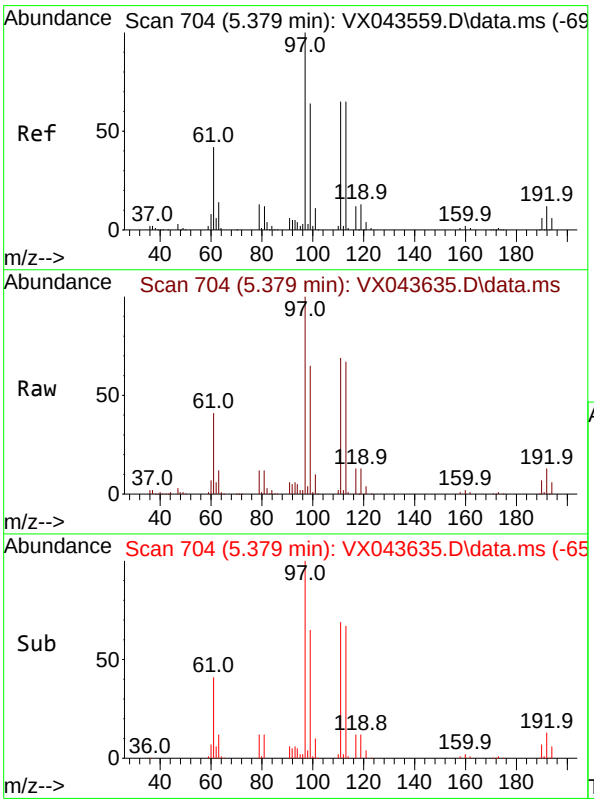
#31
Cyclohexane
Concen: 45.598 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 136826

Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.9	37.3
84	91.4	73.3	109.9

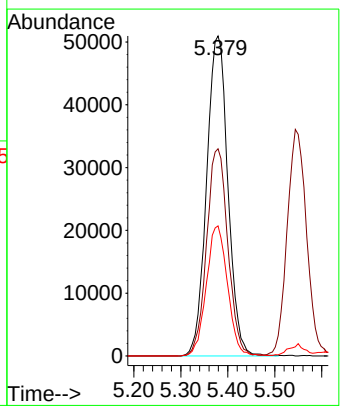


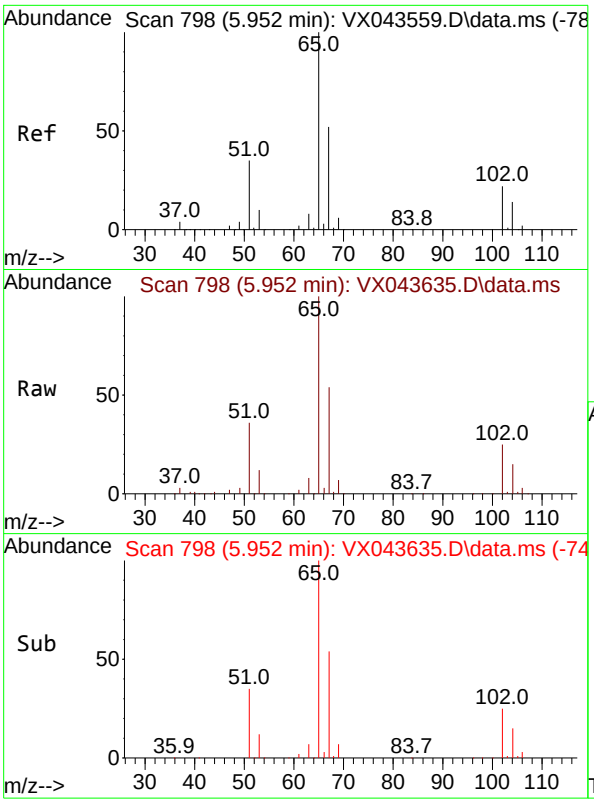


#32
1,1,1-Trichloroethane
Concen: 46.410 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 97 Resp: 160242

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	40.6	34.0	51.0



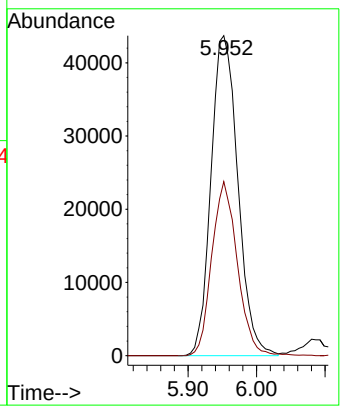


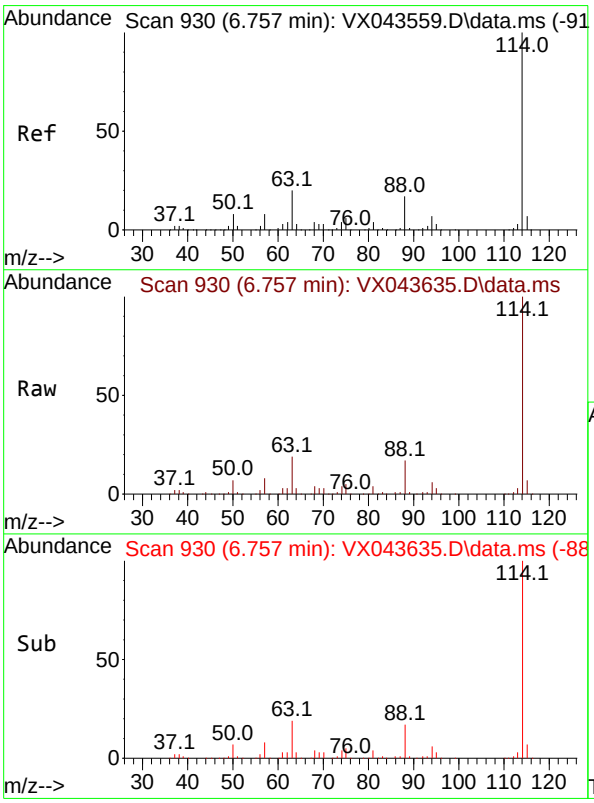
#33
1,2-Dichloroethane-d4
Concen: 41.925 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 119154

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.4

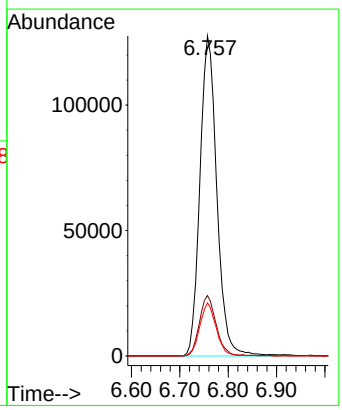


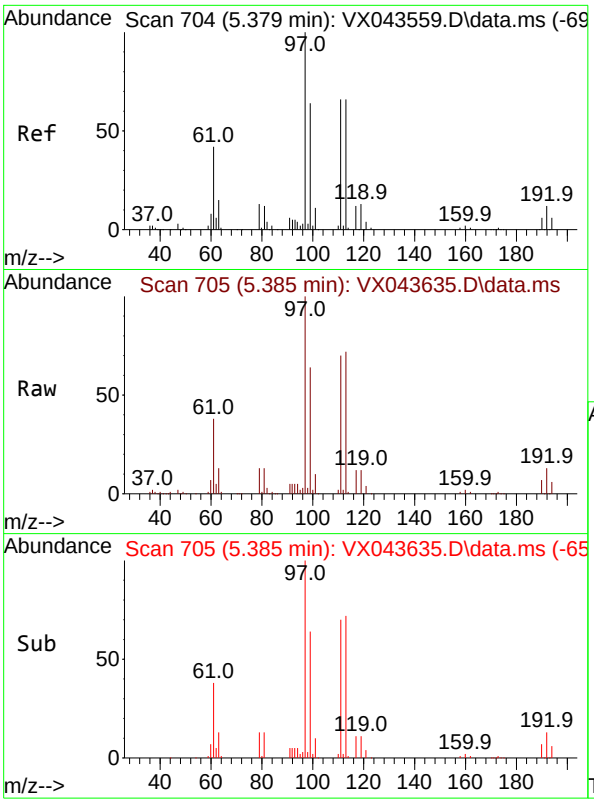


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:114 Resp: 309741

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	41.2
88	16.6	0.0	34.0



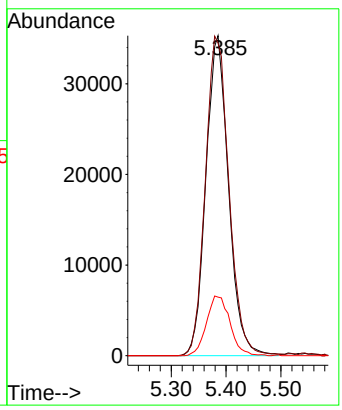


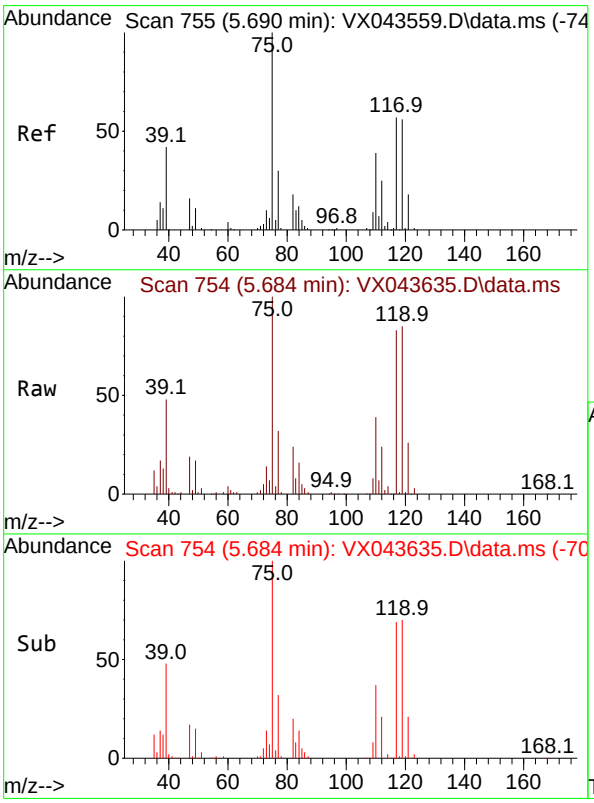
#35
Dibromofluoromethane
Concen: 48.145 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 101122

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.0
192	19.4	14.1	21.1

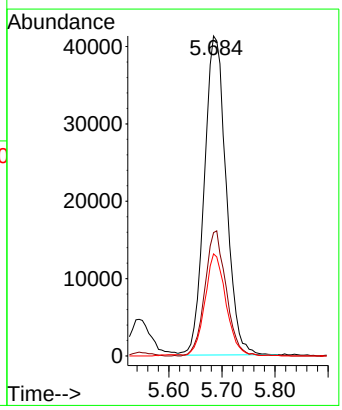


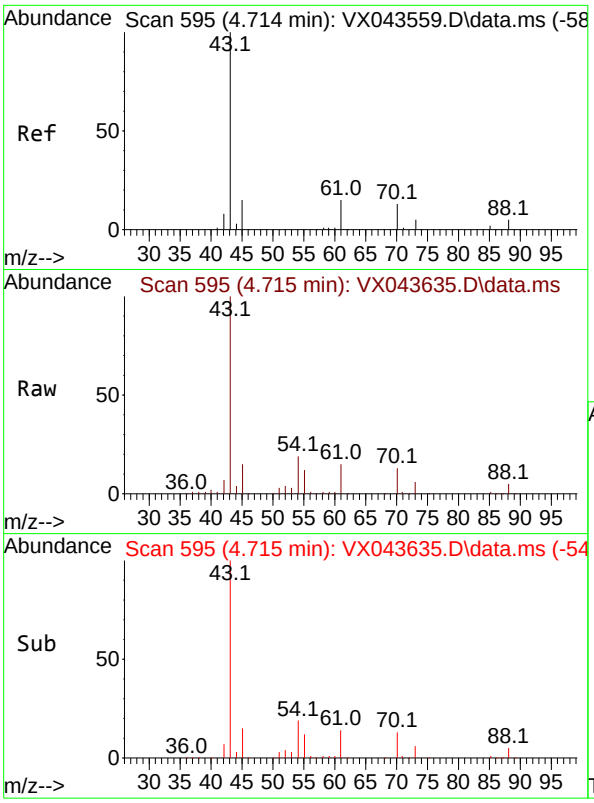


#36
1,1-Dichloropropene
Concen: 47.200 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 117552

Ion	Ratio	Lower	Upper
75	100		
110	38.4	17.9	53.7
77	30.8	25.0	37.4



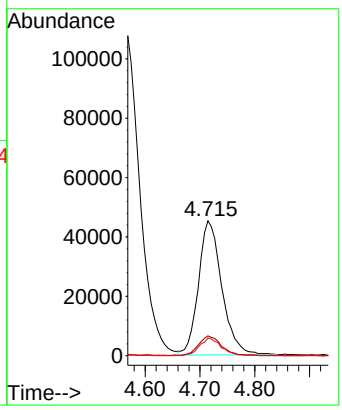


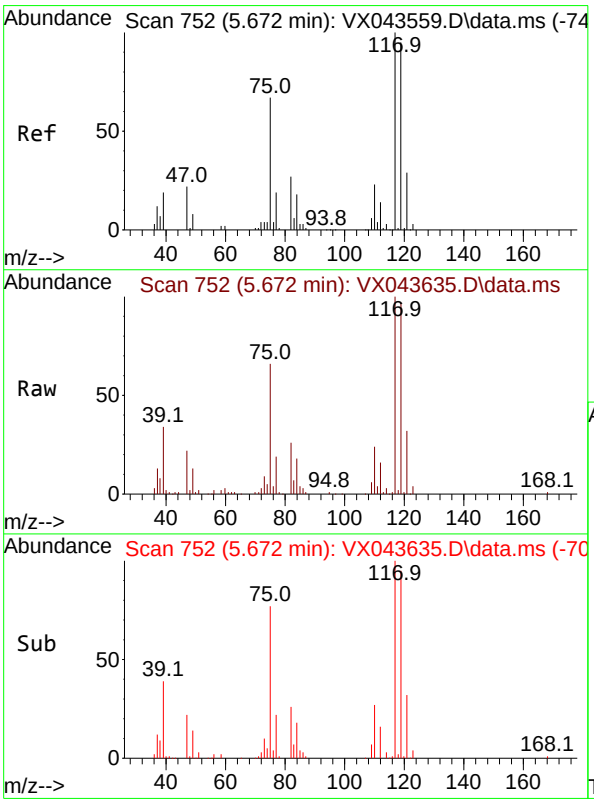
#37
Ethyl Acetate
Concen: 44.228 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 133728

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	12.2	8.9	13.3

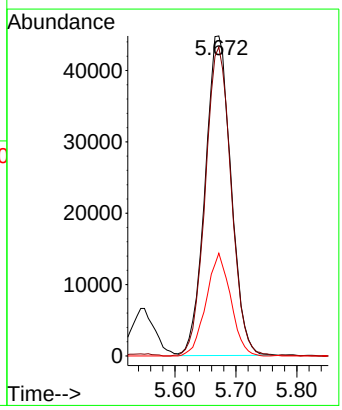


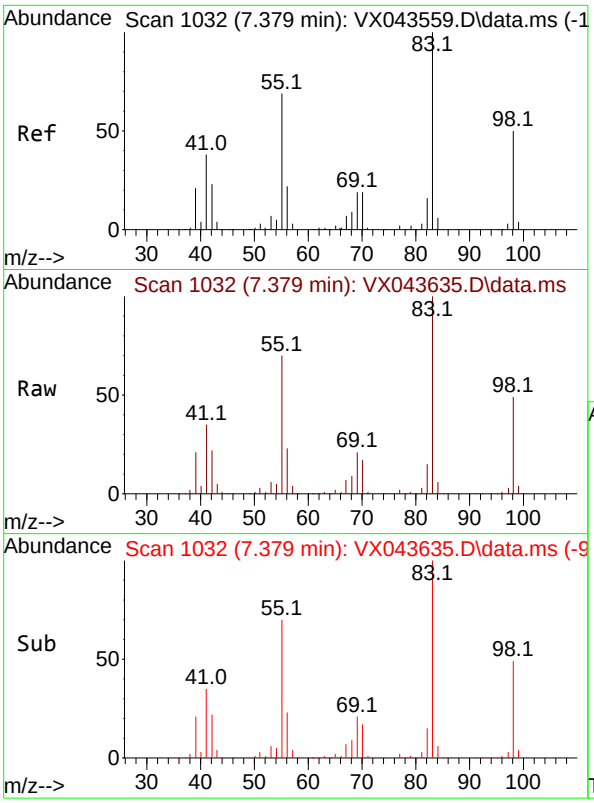


#38
Carbon Tetrachloride
Concen: 48.140 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:117 Resp: 132473

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.6
121	32.2	24.7	37.1



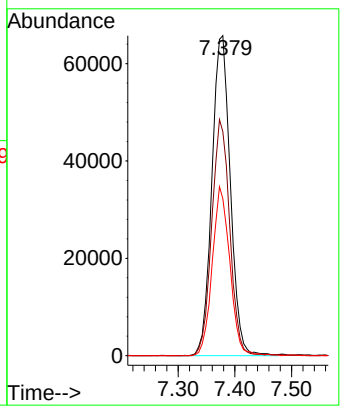


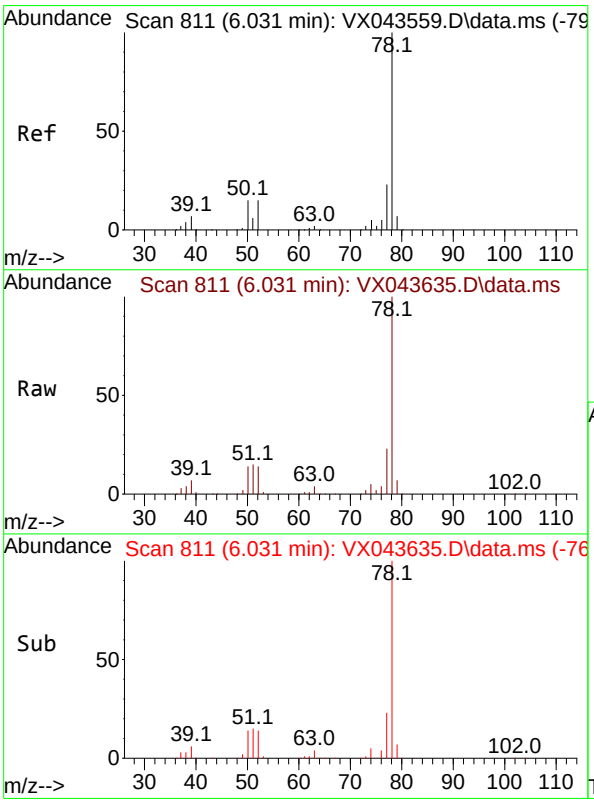
#39
Methylcyclohexane
Concen: 48.050 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 148577

Ion	Ratio	Lower	Upper
83	100		
55	70.0	59.9	89.9
98	49.1	41.3	61.9

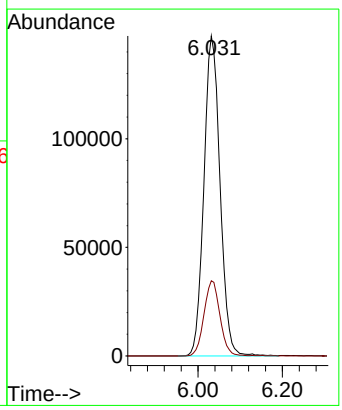


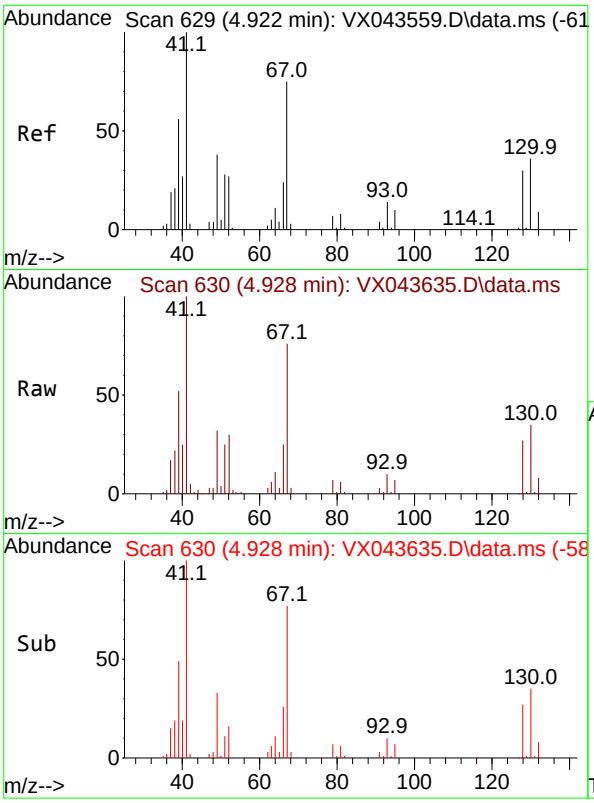


#40
Benzene
Concen: 47.238 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 78 Resp: 392480

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6



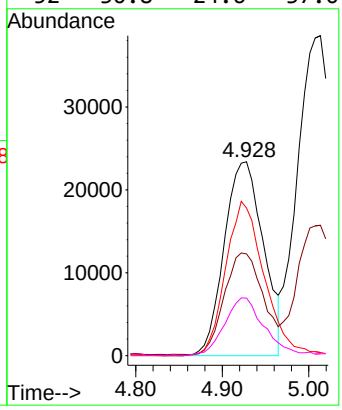


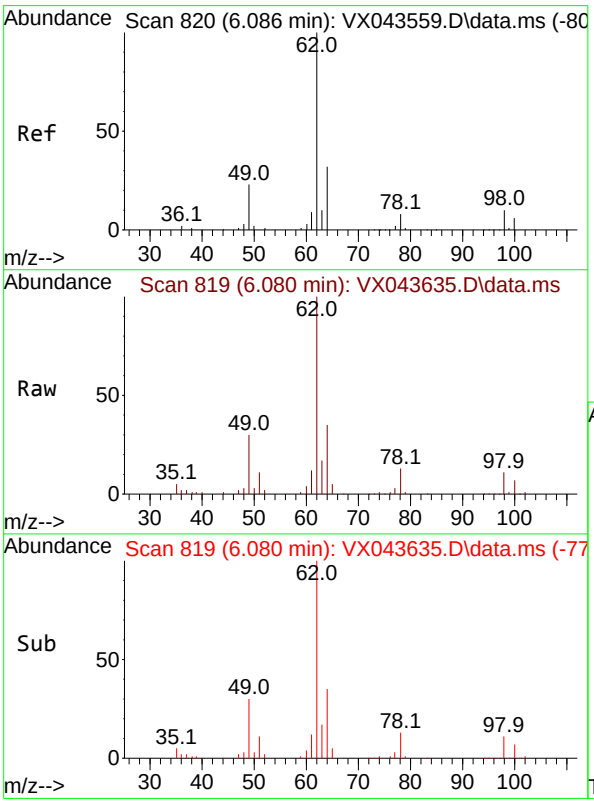
#41
Methacrylonitrile
Concen: 46.454 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 73728

Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.5	65.3
67	78.6	58.3	87.5
52	30.8	24.6	37.0

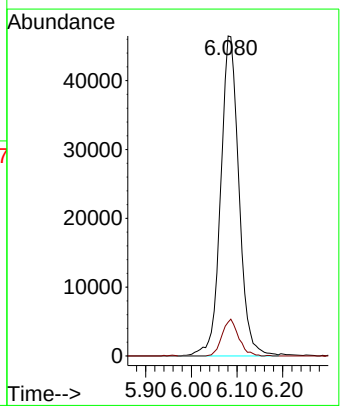


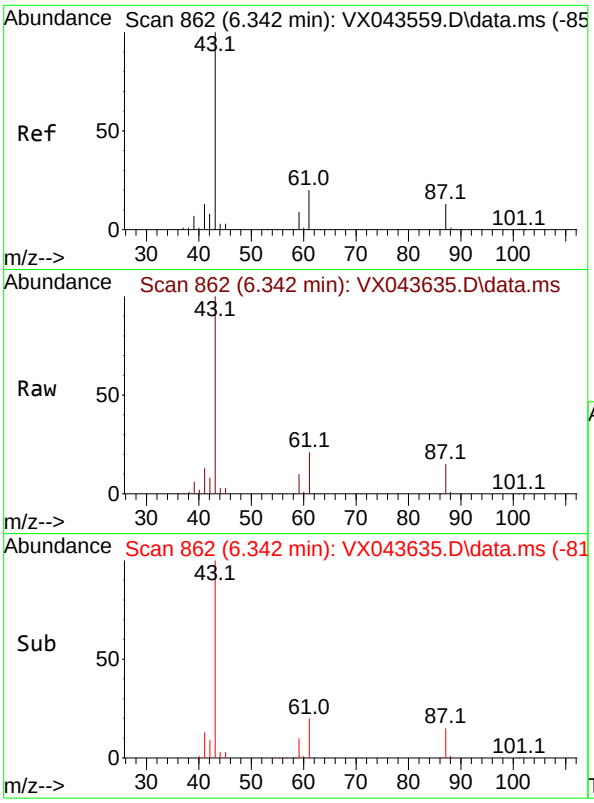


#42
1,2-Dichloroethane
Concen: 43.203 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 62 Resp: 129043

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	18.8



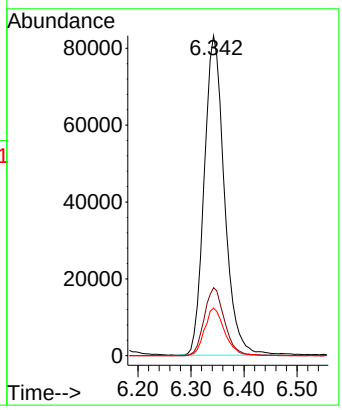


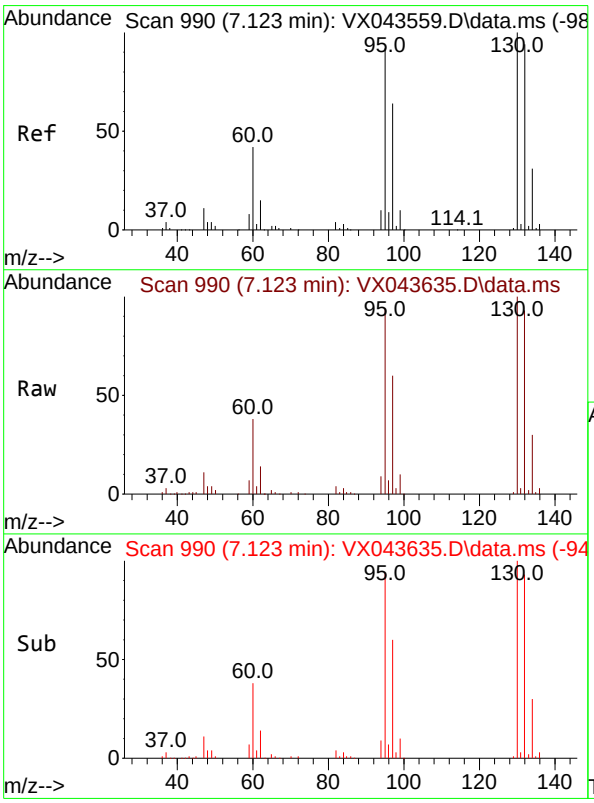
#43
Isopropyl Acetate
Concen: 43.998 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 220004

Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.2	24.4
87	14.8	11.0	16.6

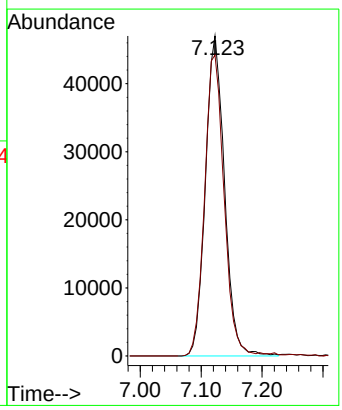


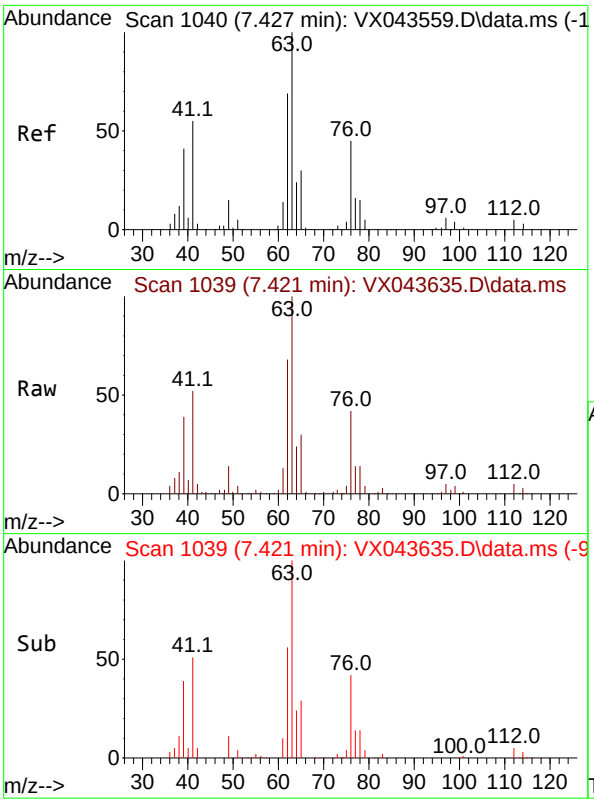


#44
Trichloroethene
Concen: 49.561 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:130 Resp: 102297

Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	202.6



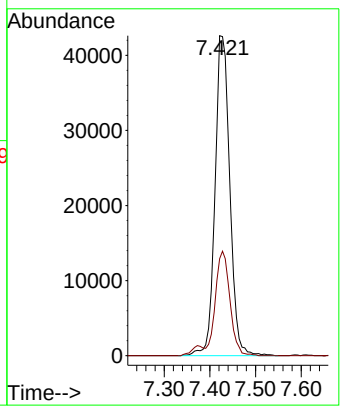


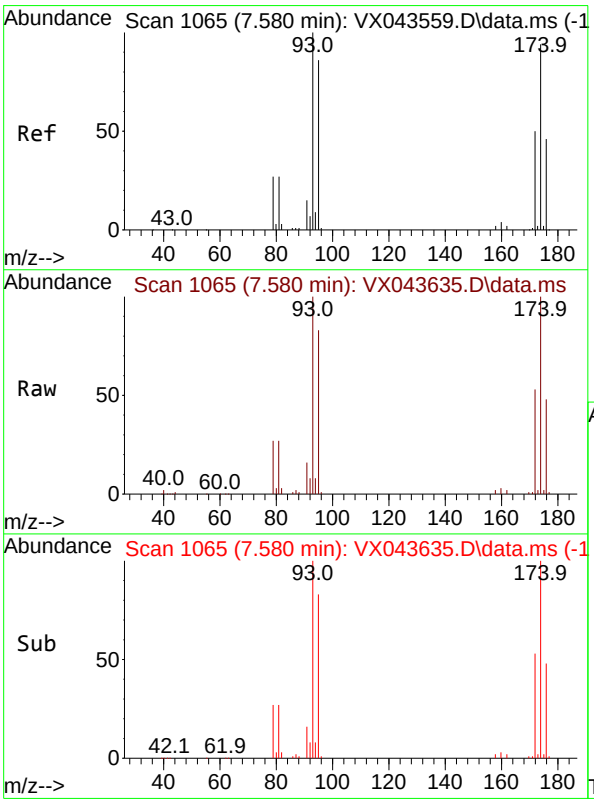
#45
1,2-Dichloropropane
Concen: 46.915 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 95978

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.5	36.7

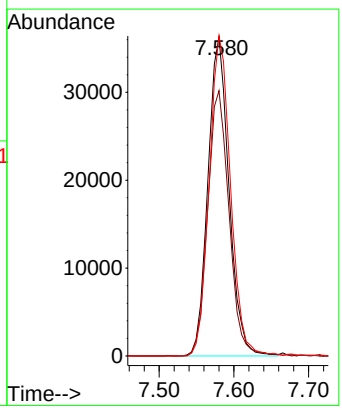


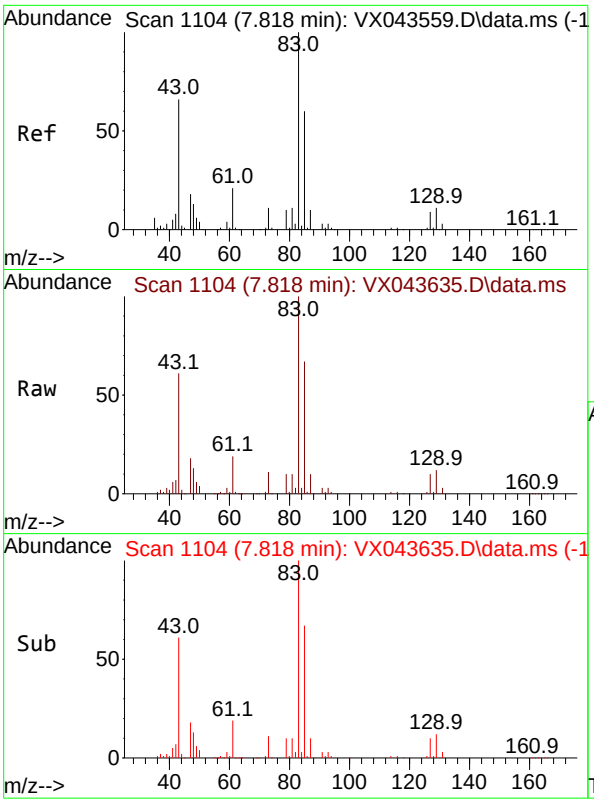


#46
Dibromomethane
Concen: 45.058 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 93 Resp: 70976

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.4	99.6
174	102.1	75.0	112.4



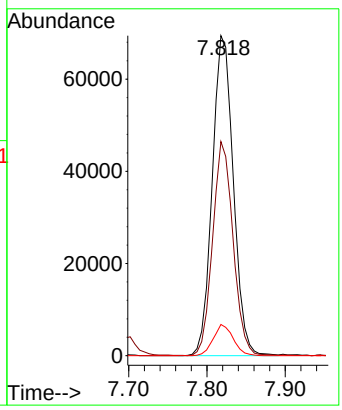


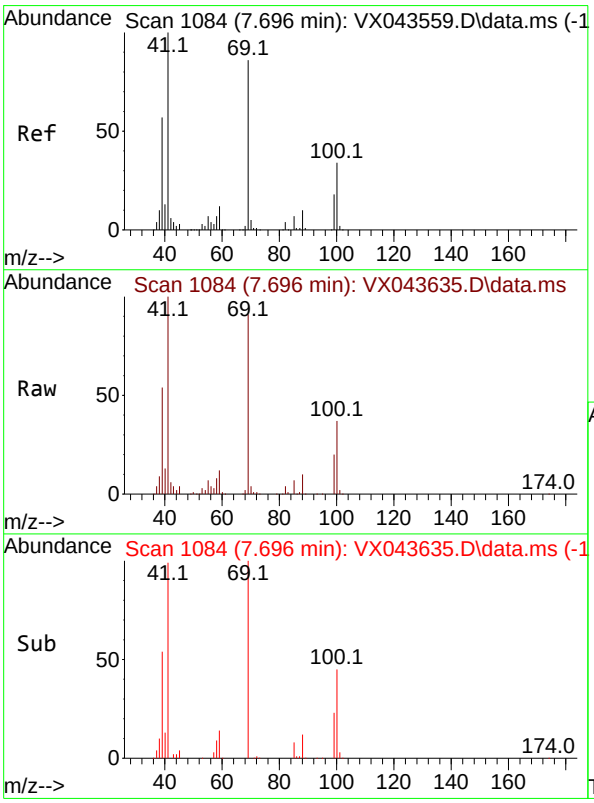
#47
Bromodichloromethane
Concen: 46.992 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 129855

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4
127	9.8	7.1	10.7

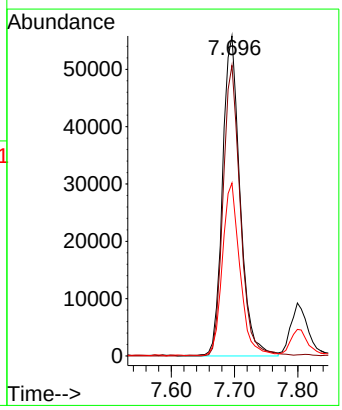


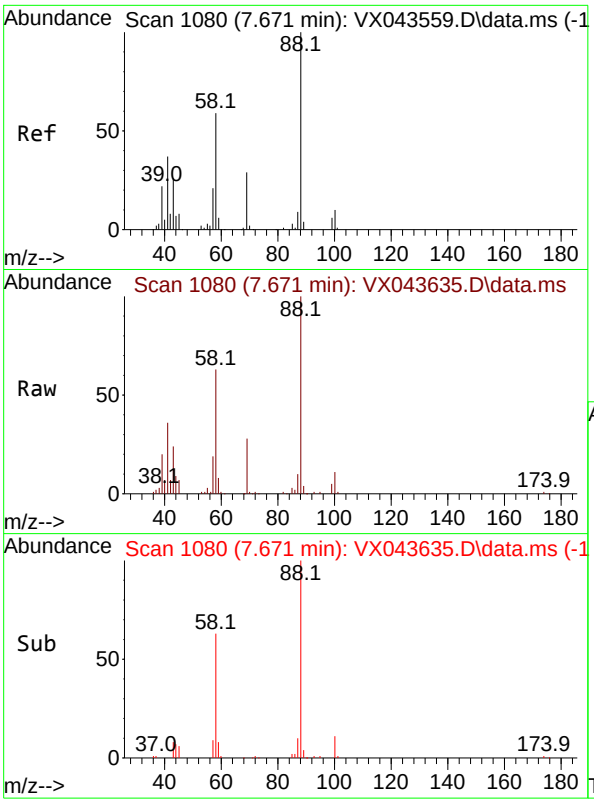


#48
Methyl methacrylate
Concen: 45.277 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 41 Resp: 107340

Ion	Ratio	Lower	Upper
41	100		
69	89.1	67.7	101.5
39	53.5	46.3	69.5



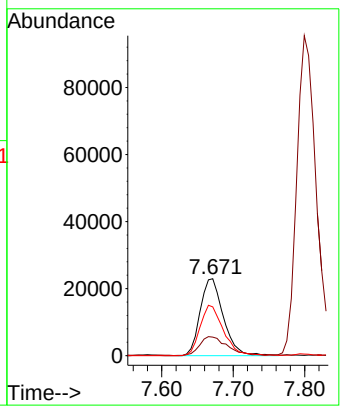


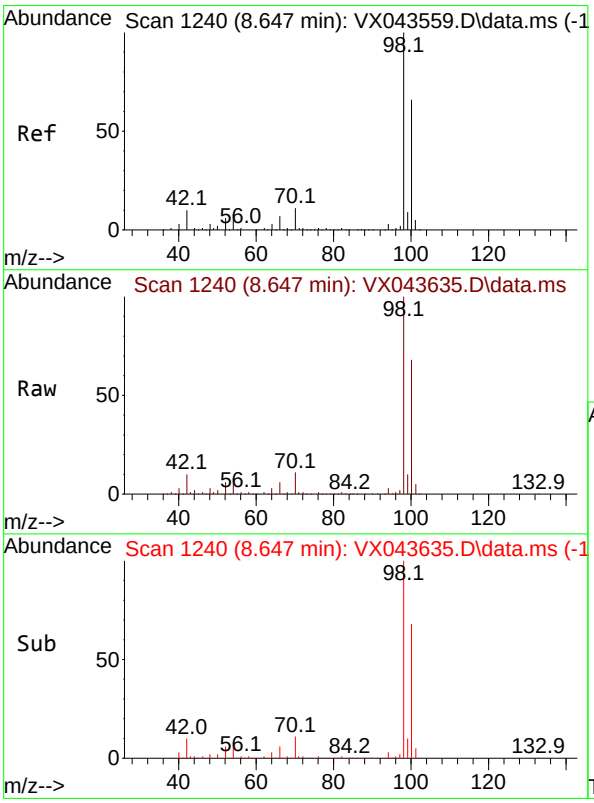
#49
1,4-Dioxane
Concen: 1064.890 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 51867

Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.3	37.9
58	65.7	53.9	80.9

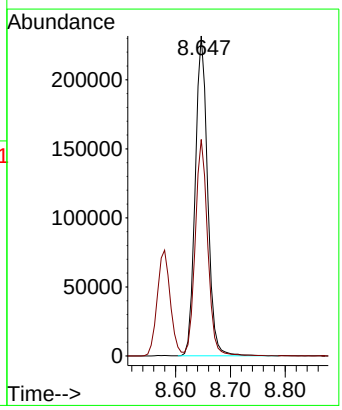


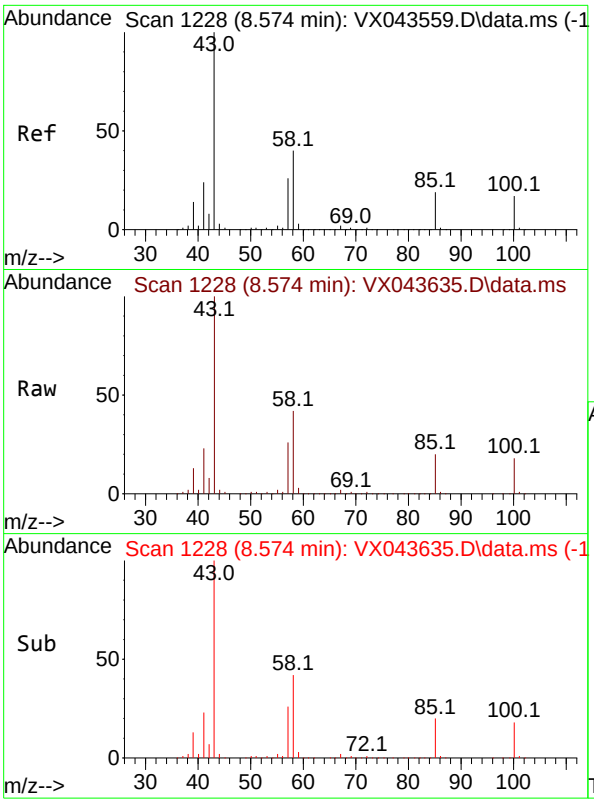


#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 98 Resp: 364584

Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.4	80.2



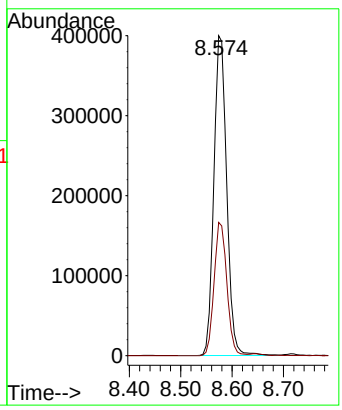


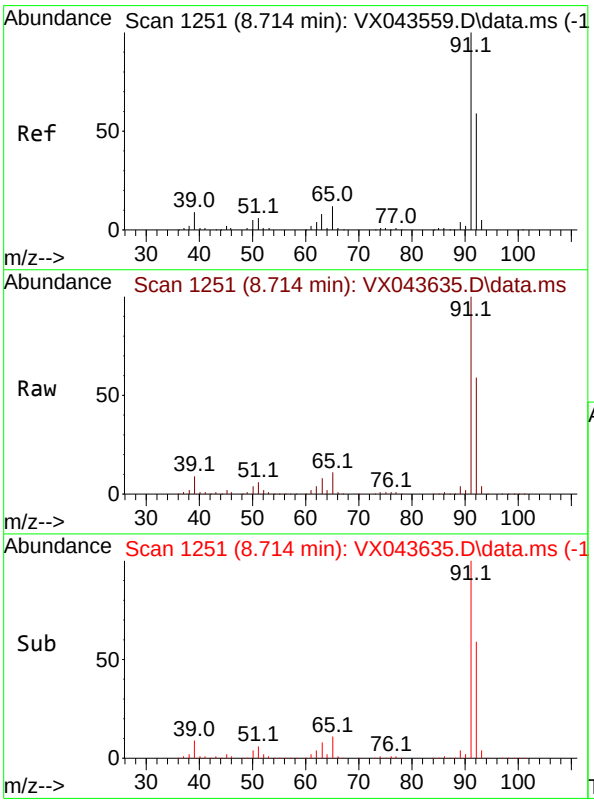
#51
4-Methyl-2-Pentanone
Concen: 227.662 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 693837

Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.7	47.5

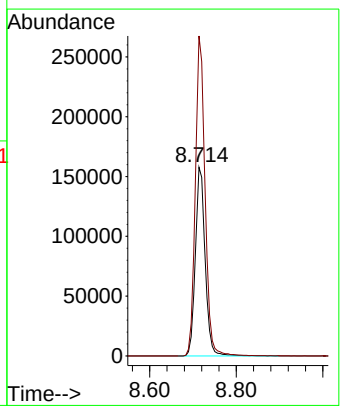


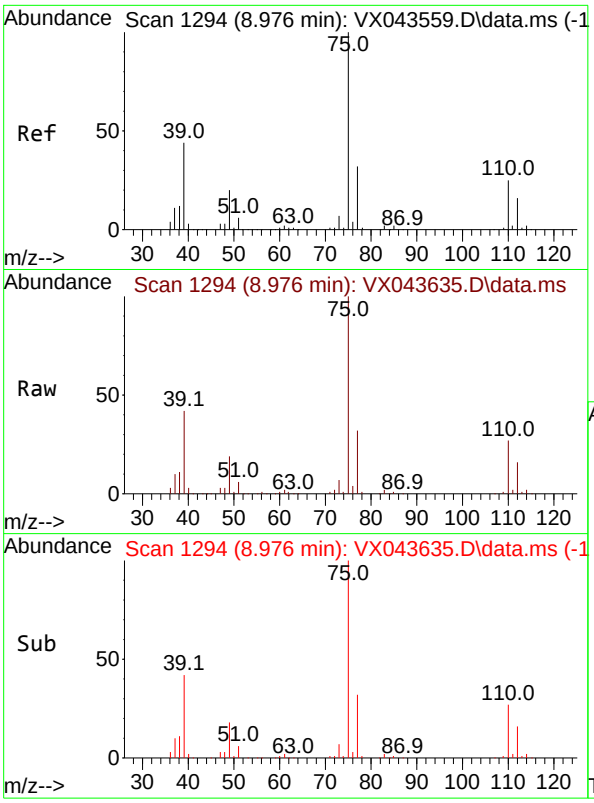


#52
Toluene
Concen: 49.134 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 92 Resp: 247578

Ion	Ratio	Lower	Upper
92	100		
91	168.2	135.7	203.5



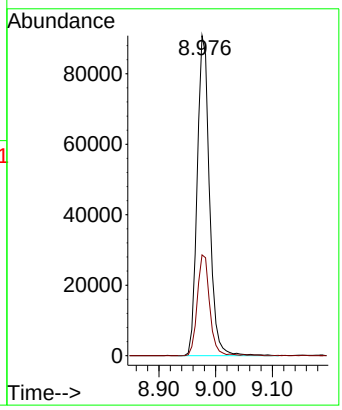


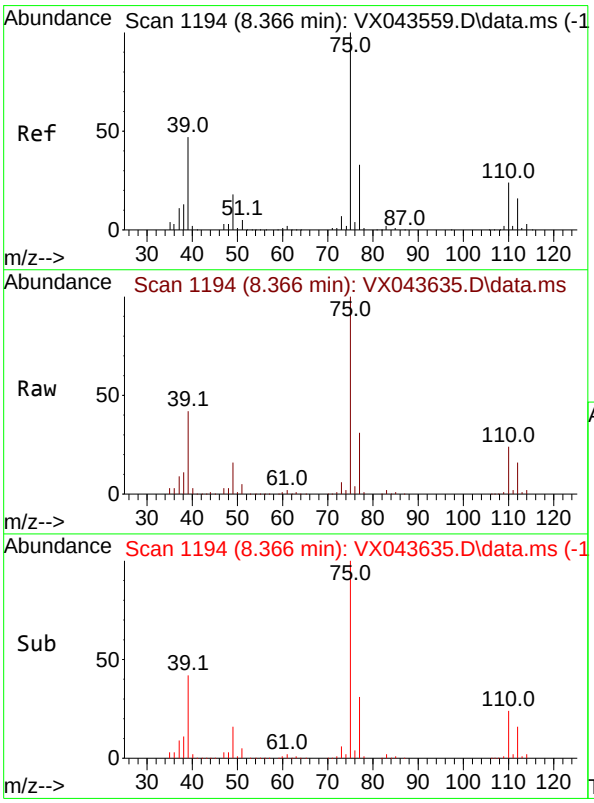
#53
t-1,3-Dichloropropene
Concen: 46.012 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 136565

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0

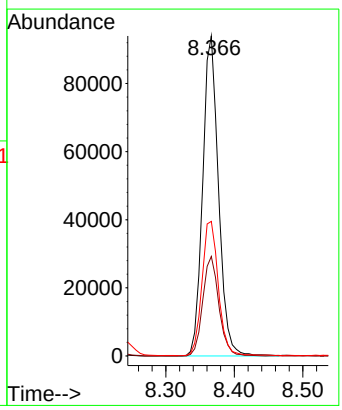


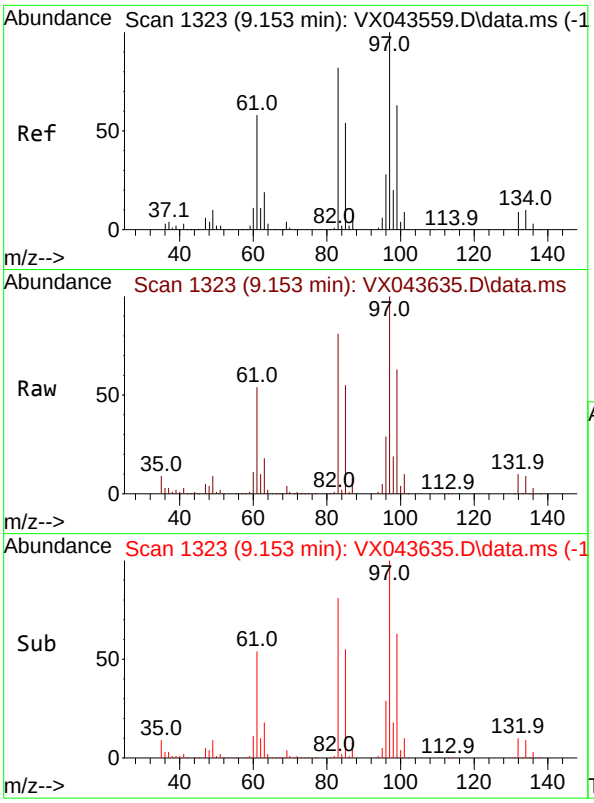


#54
cis-1,3-Dichloropropene
Concen: 47.908 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 151502

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	41.9	37.7	56.5



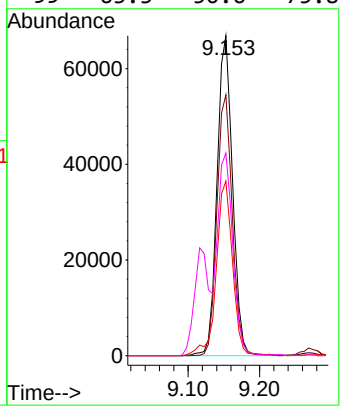


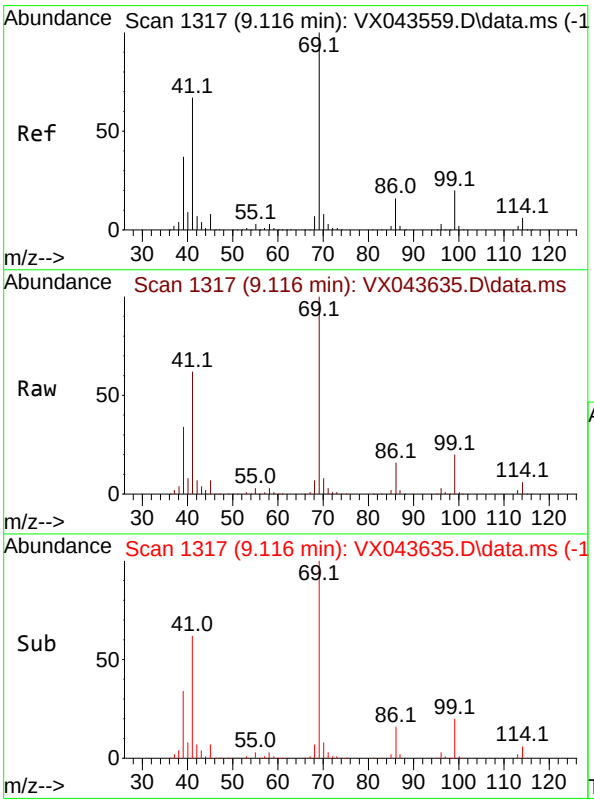
#55
1,1,2-Trichloroethane
Concen: 47.983 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 100639

Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.3	100.9
85	54.5	43.6	65.4
99	63.3	50.6	75.8

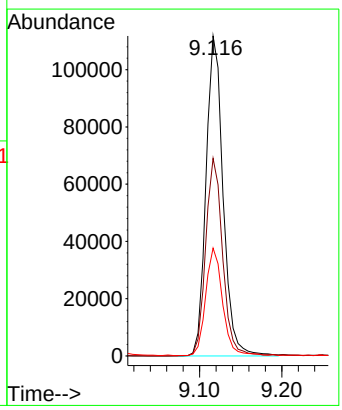


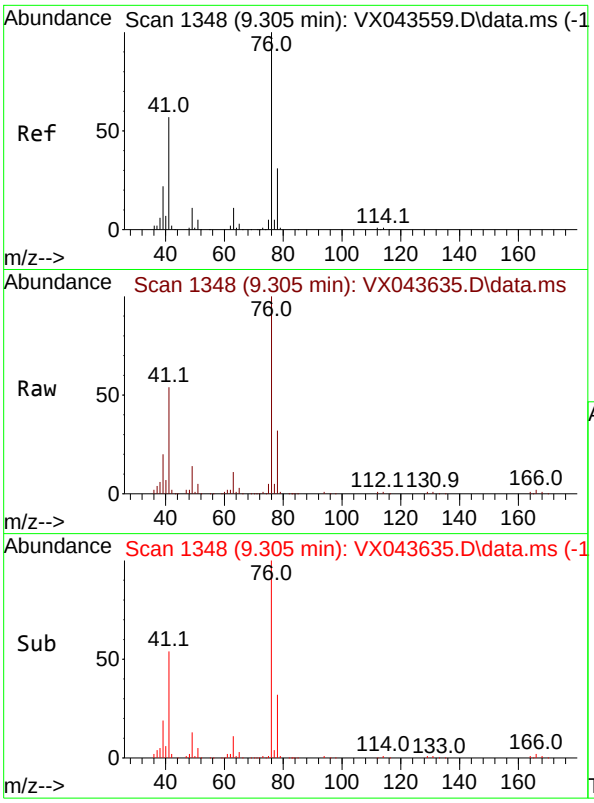


#56
Ethyl methacrylate
Concen: 47.299 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 69 Resp: 161195

Ion	Ratio	Lower	Upper
69	100		
41	61.9	53.8	80.8
39	33.2	29.9	44.9



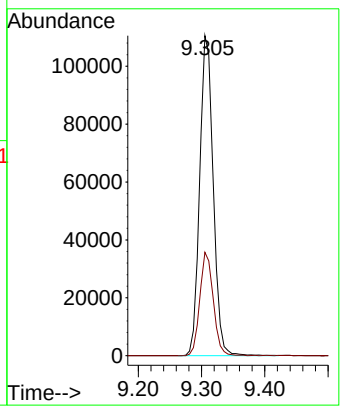


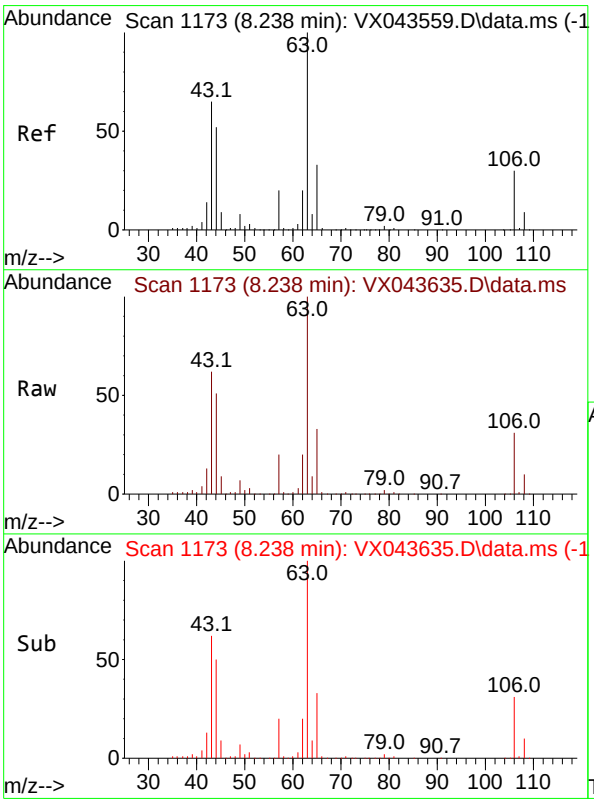
#57
1,3-Dichloropropane
Concen: 47.294 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 164980

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

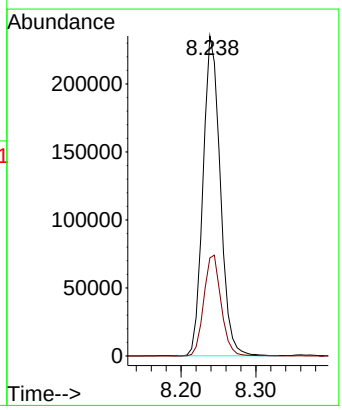


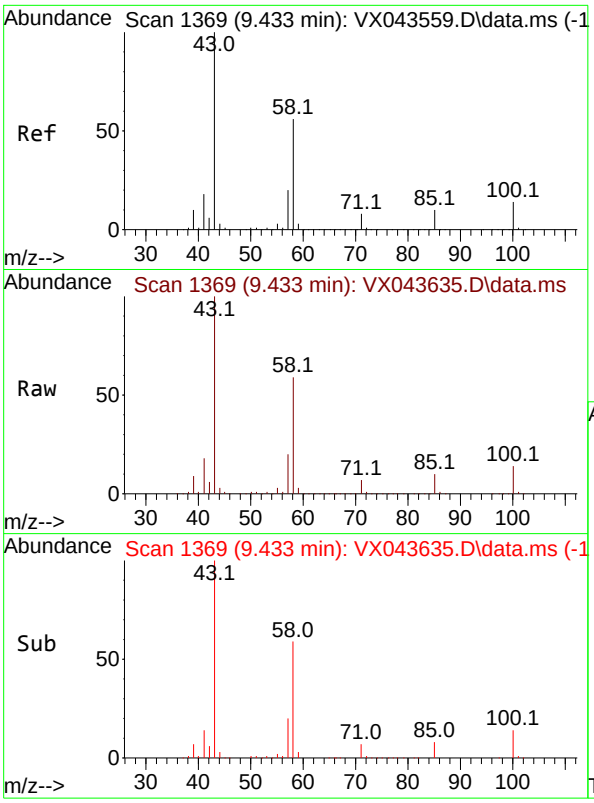


#58
2-Chloroethyl Vinyl ether
Concen: 228.196 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 63 Resp: 376649

Ion	Ratio	Lower	Upper
63	100		
106	31.7	23.6	35.4



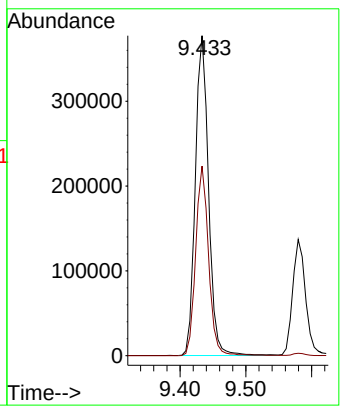


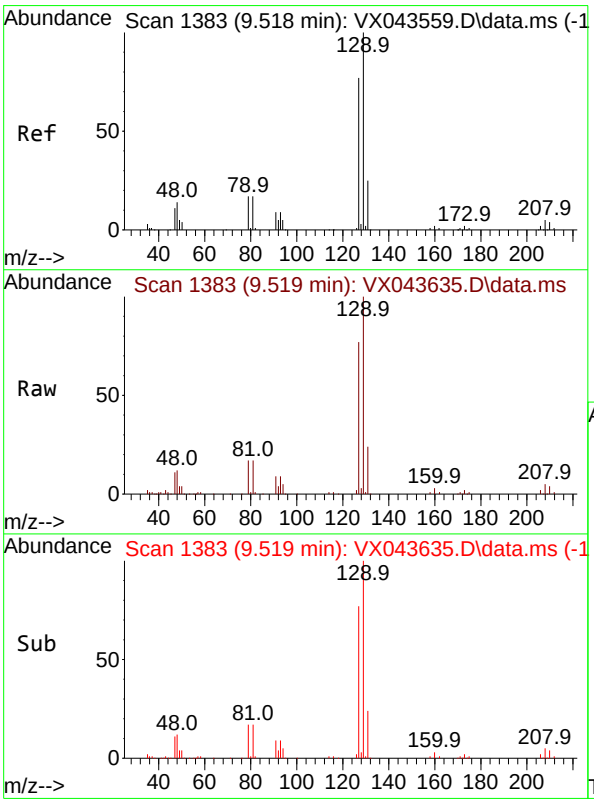
#59
2-Hexanone
Concen: 227.247 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 526010

Ion	Ratio	Lower	Upper
43	100		
58	58.1	27.5	82.5

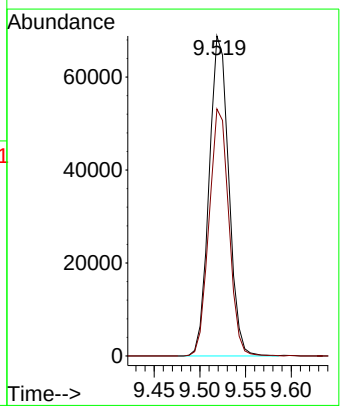


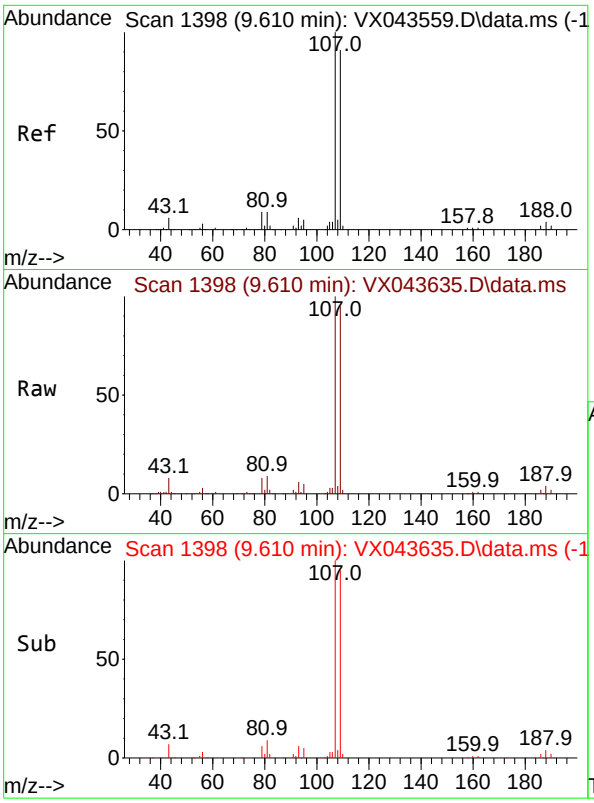


#60
Dibromochloromethane
Concen: 49.353 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:129 Resp: 102501

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1



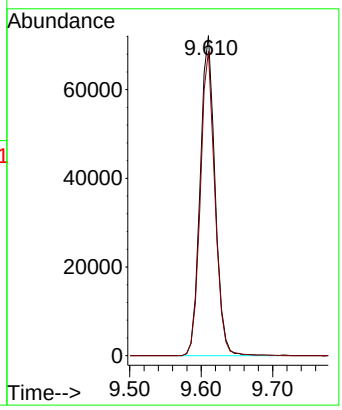


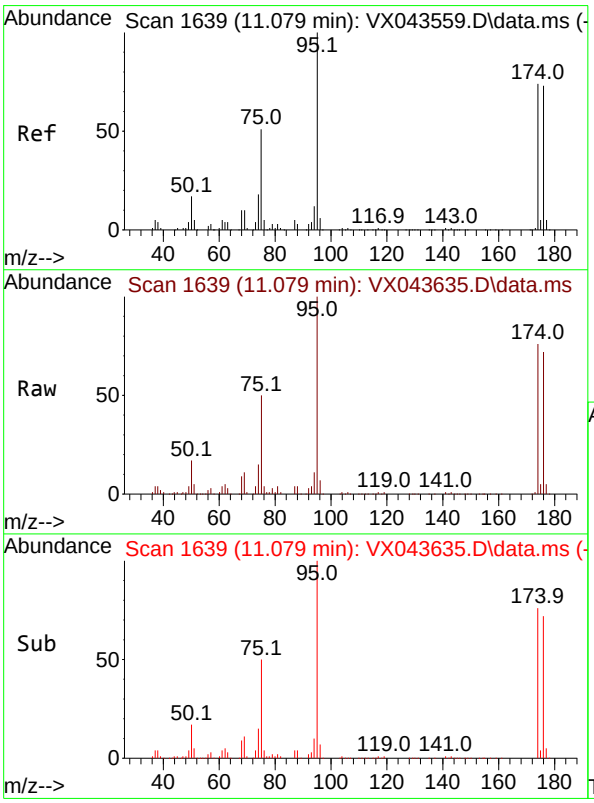
#61
1,2-Dibromoethane
Concen: 47.860 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 104203

Ion	Ratio	Lower	Upper
107	100		
109	93.2	77.1	115.7

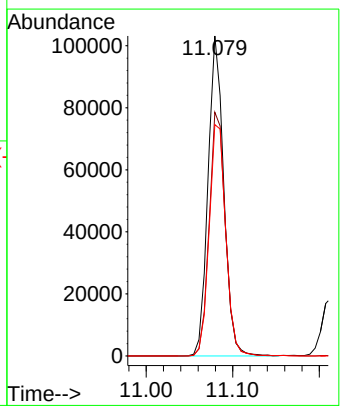


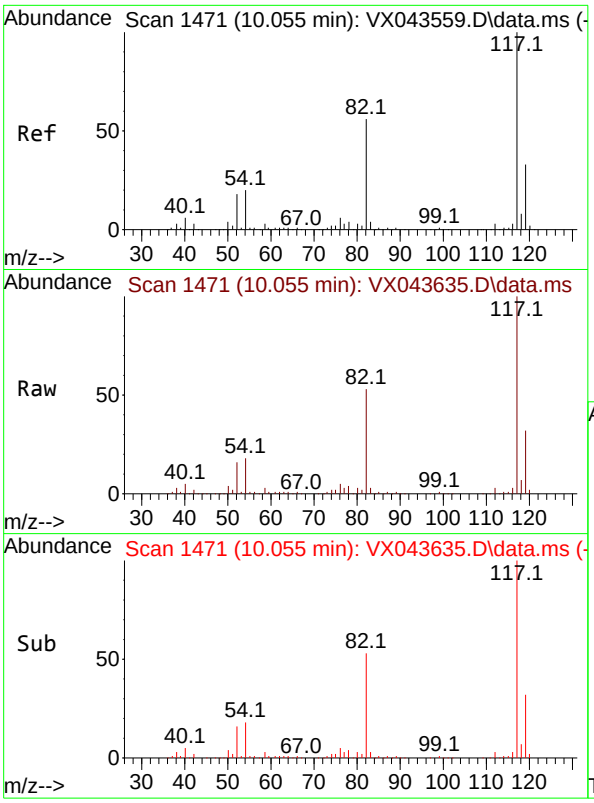


#62
4-Bromofluorobenzene
Concen: 48.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 95 Resp: 129928

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	146.6
176	76.6	0.0	139.6



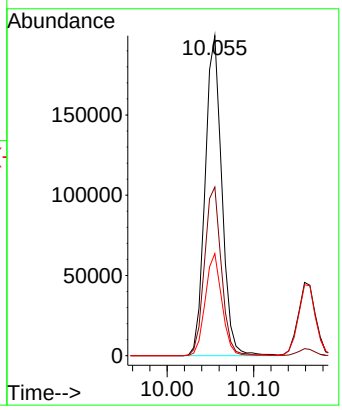


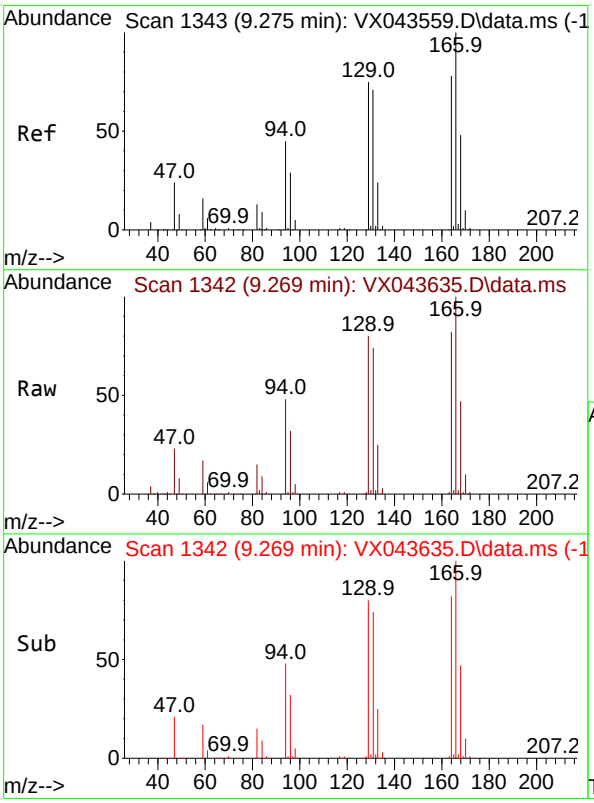
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 267658

Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.1	63.1
119	31.9	25.4	38.2

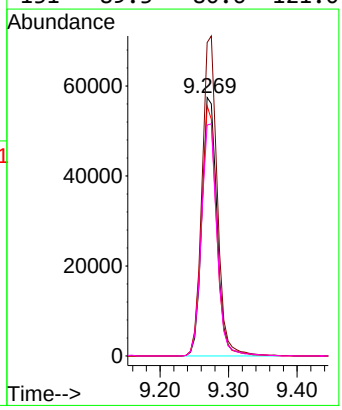


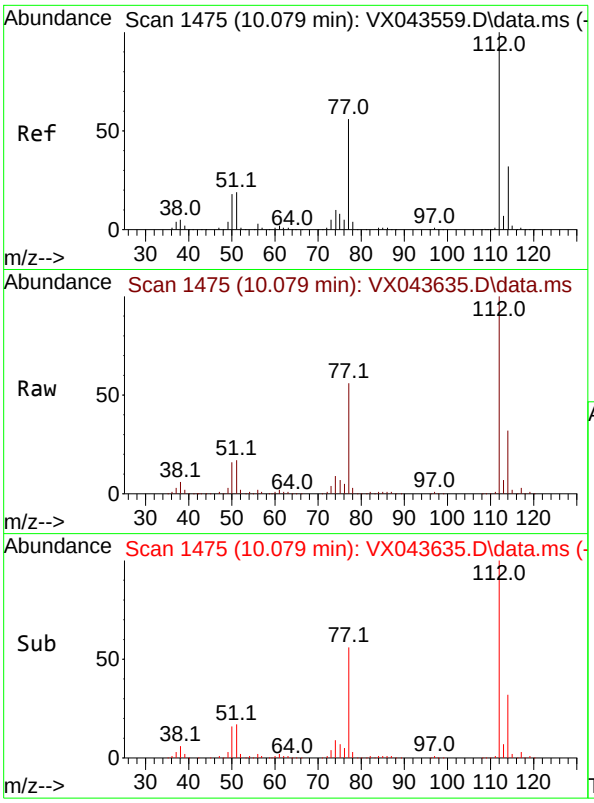


#64
Tetrachloroethene
Concen: 52.495 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:164 Resp: 88371

Ion	Ratio	Lower	Upper
164	100		
166	121.3	103.8	155.6
129	96.8	83.8	125.6
131	89.3	80.6	121.0



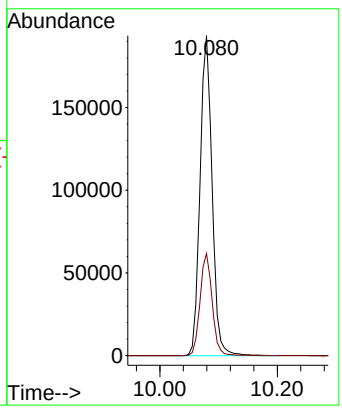


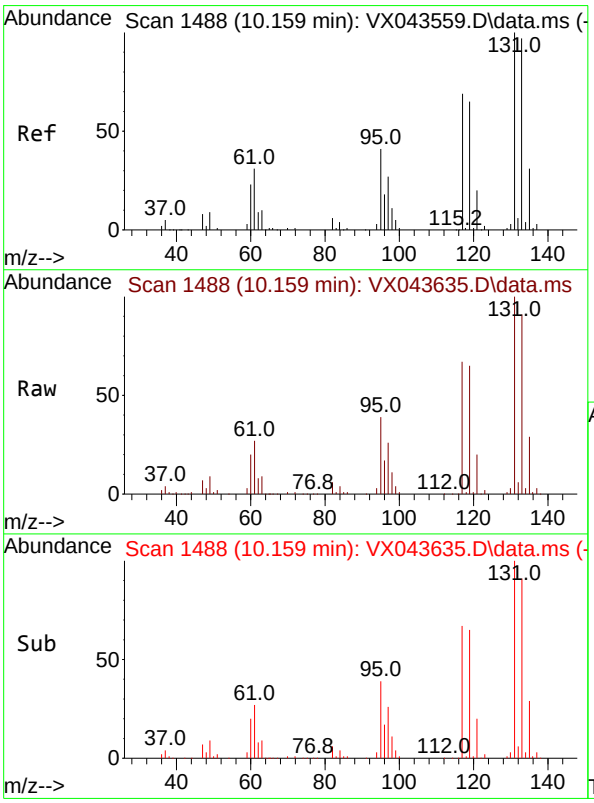
#65
Chlorobenzene
Concen: 47.866 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 275636

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6

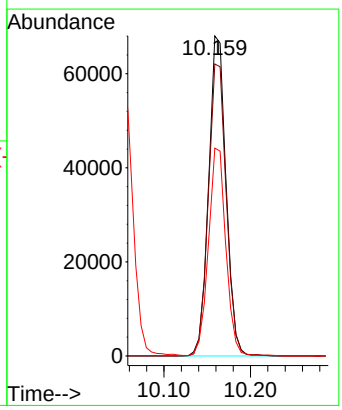


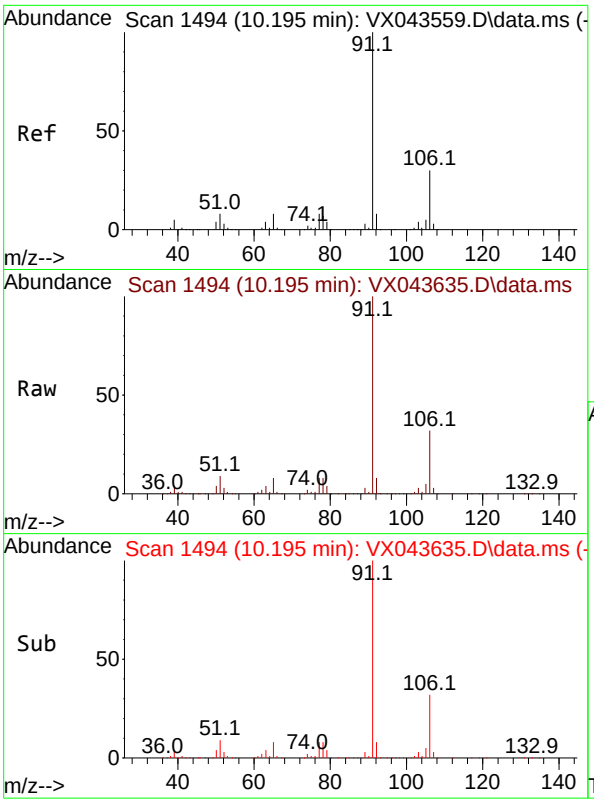


#66
1,1,1,2-Tetrachloroethane
Concen: 50.585 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:131 Resp: 95145

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.0	144.0
119	65.2	32.3	96.9



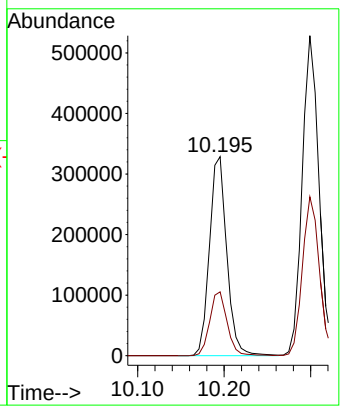


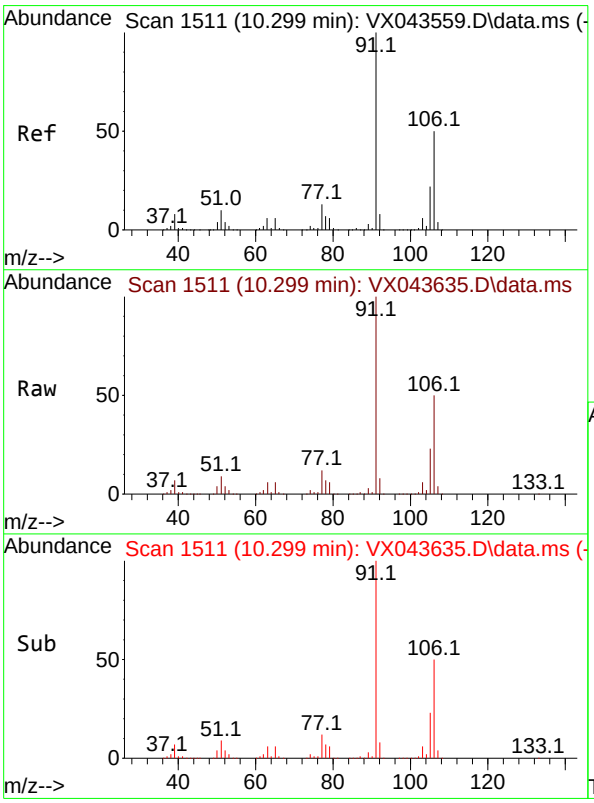
#67
Ethyl Benzene
Concen: 48.724 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 457507

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.4	38.2

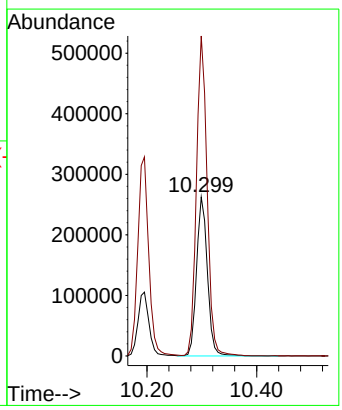


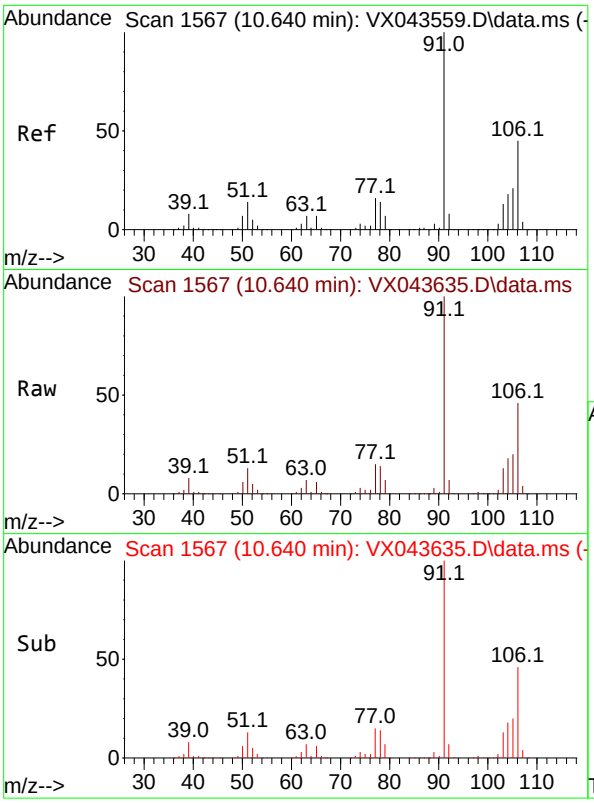


#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:106 Resp: 361281

Ion	Ratio	Lower	Upper
106	100		
91	198.8	164.7	247.1



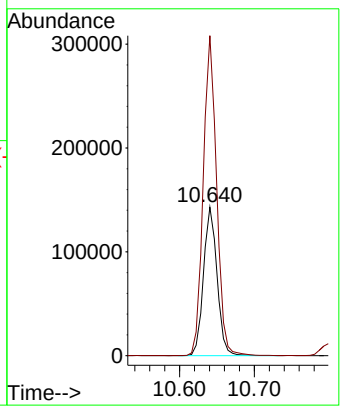


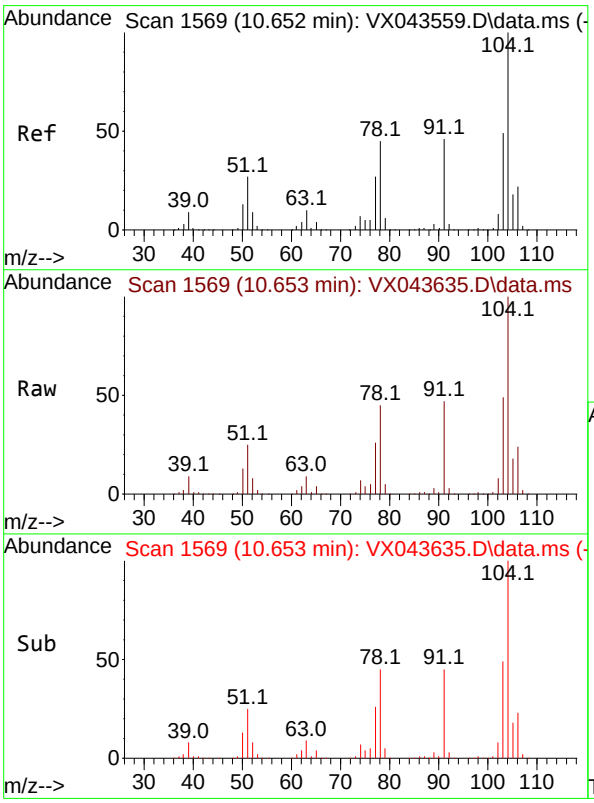
#69
o-Xylene
Concen: 50.021 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 180468

Ion	Ratio	Lower	Upper
106	100		
91	211.8	107.9	323.7

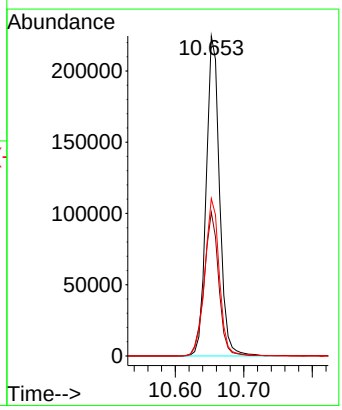


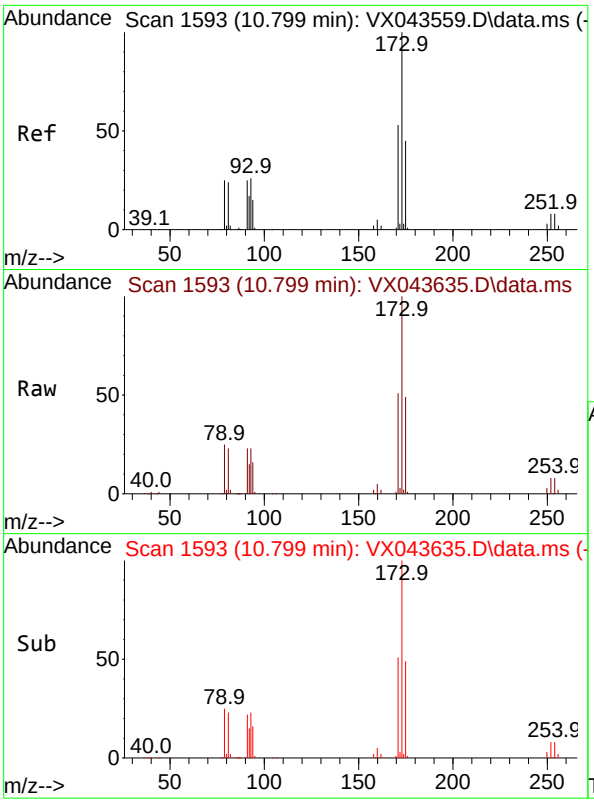


#70
Styrene
Concen: 50.824 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:104 Resp: 304770

Ion	Ratio	Lower	Upper
104	100		
78	49.0	40.0	60.0
103	53.7	43.4	65.0



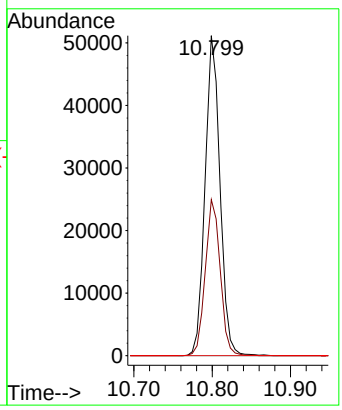


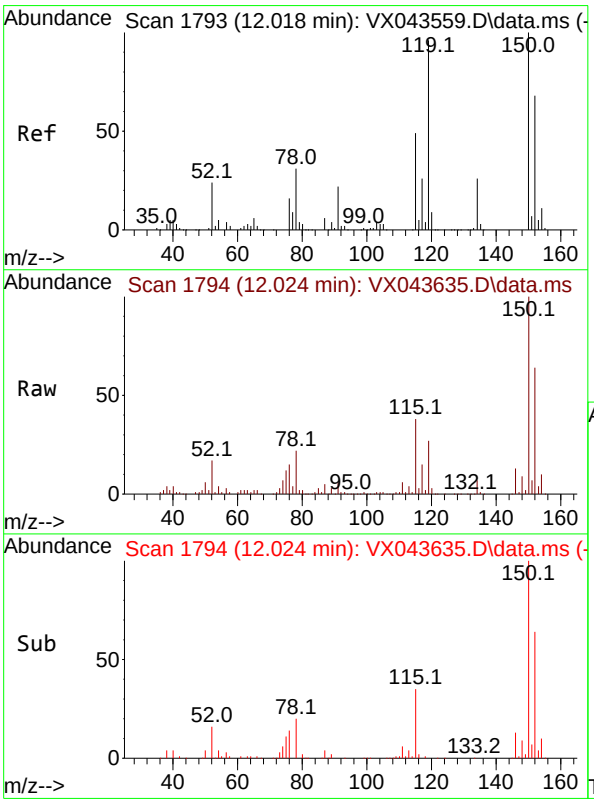
#71
Bromoform
Concen: 49.919 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 67510

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.3	69.9
254	0.0	0.0	0.0

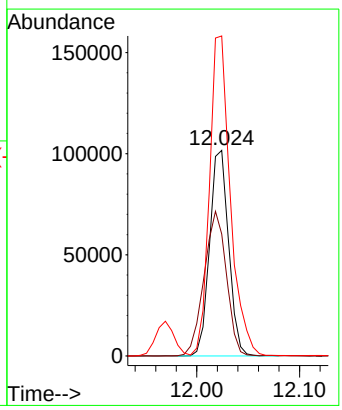


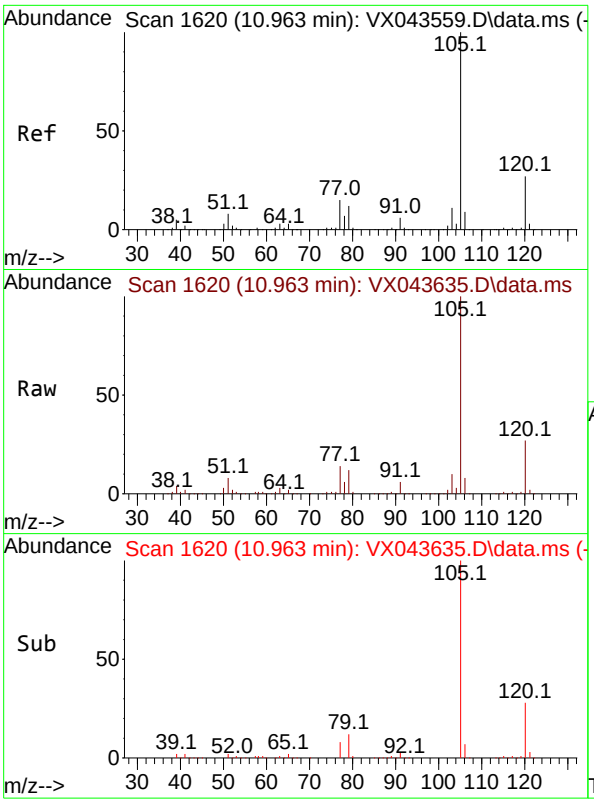


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:152 Resp: 130349

Ion	Ratio	Lower	Upper
152	100		
115	82.7	42.9	128.7
150	170.6	0.0	343.6



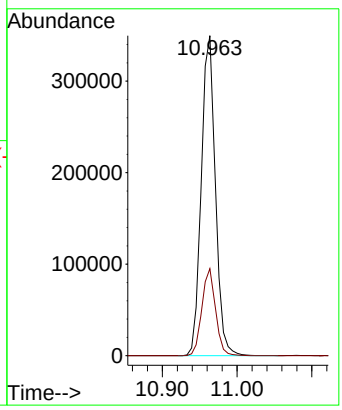


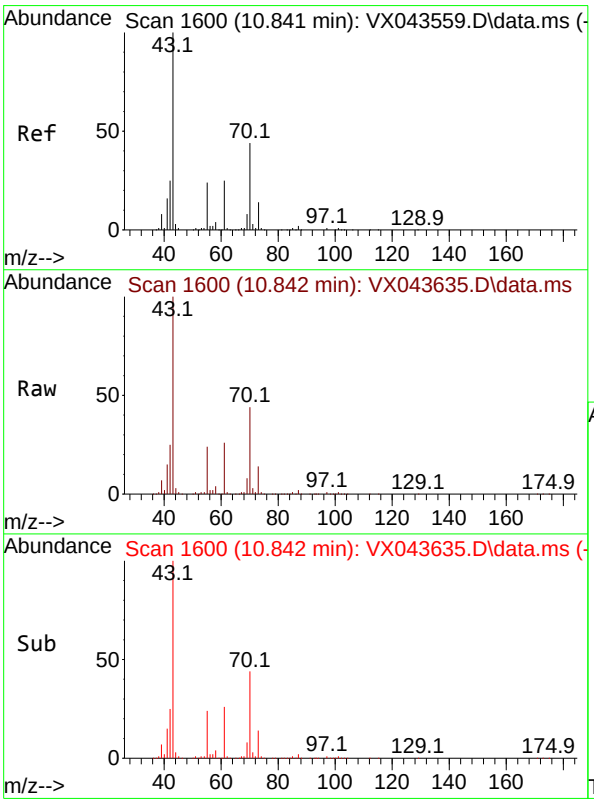
#73
Isopropylbenzene
Concen: 49.624 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 458206

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

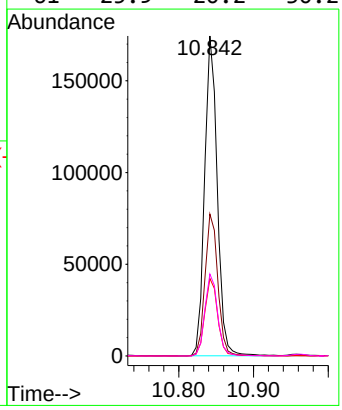


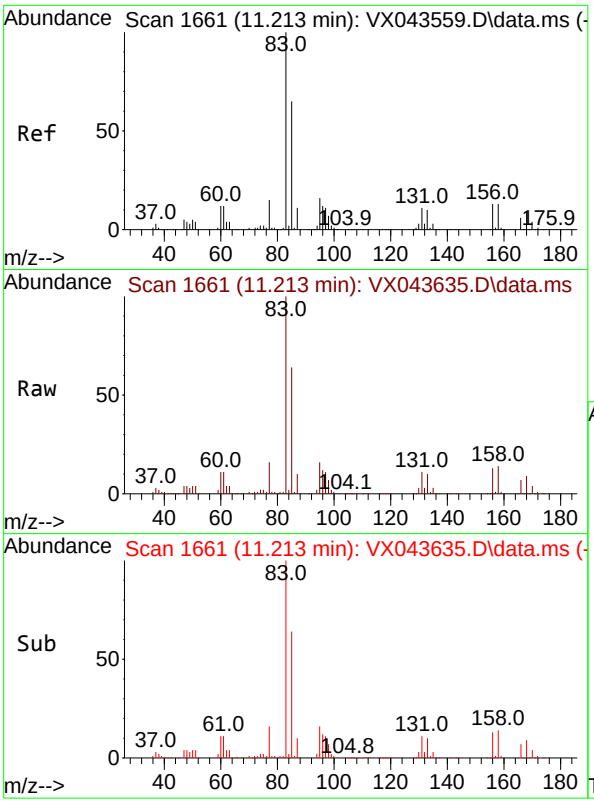


#74
N-amyl acetate
Concen: 45.567 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 43 Resp: 204963

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.6	52.0
55	24.8	19.6	29.4
61	25.9	20.2	30.2



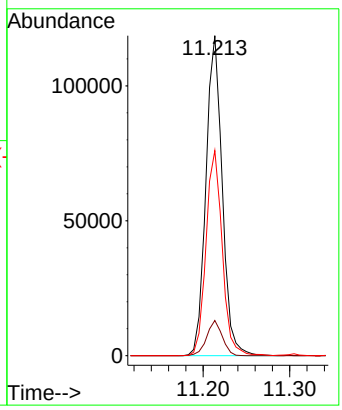


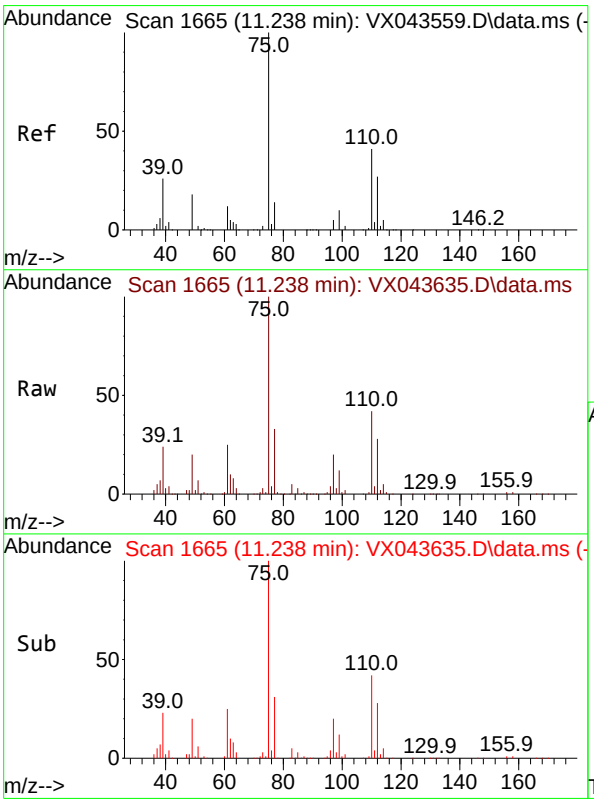
#75
1,1,2,2-Tetrachloroethane
Concen: 46.675 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 154974

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	63.9	32.4	97.0

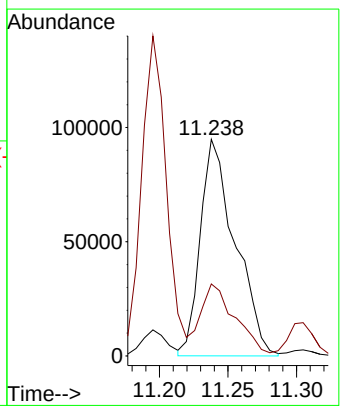


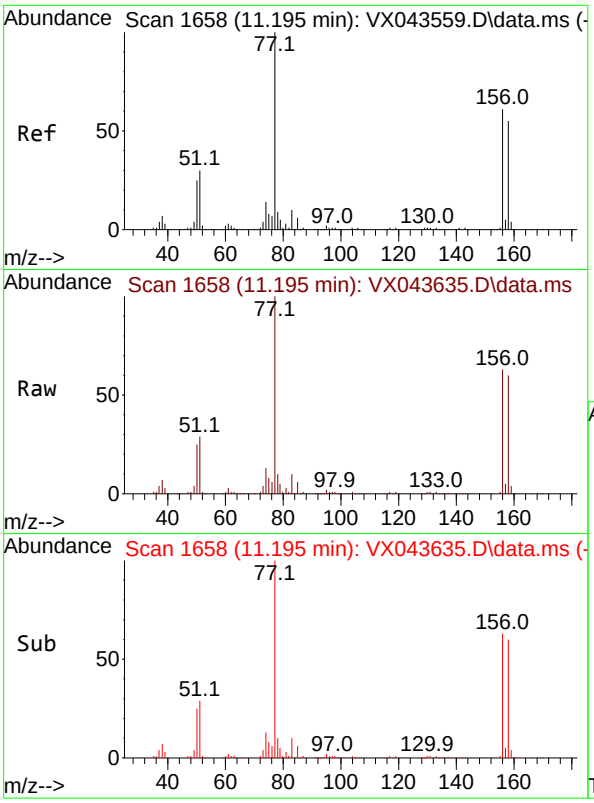


#76
1,2,3-Trichloropropane
Concen: 60.325 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 168127

Ion	Ratio	Lower	Upper
75	100		
77	33.2	22.4	67.2



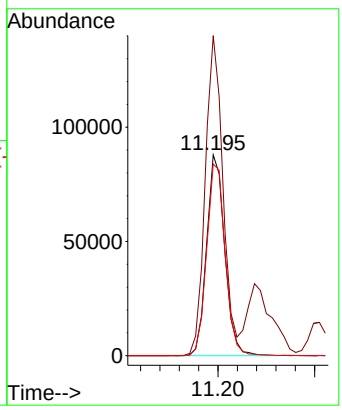


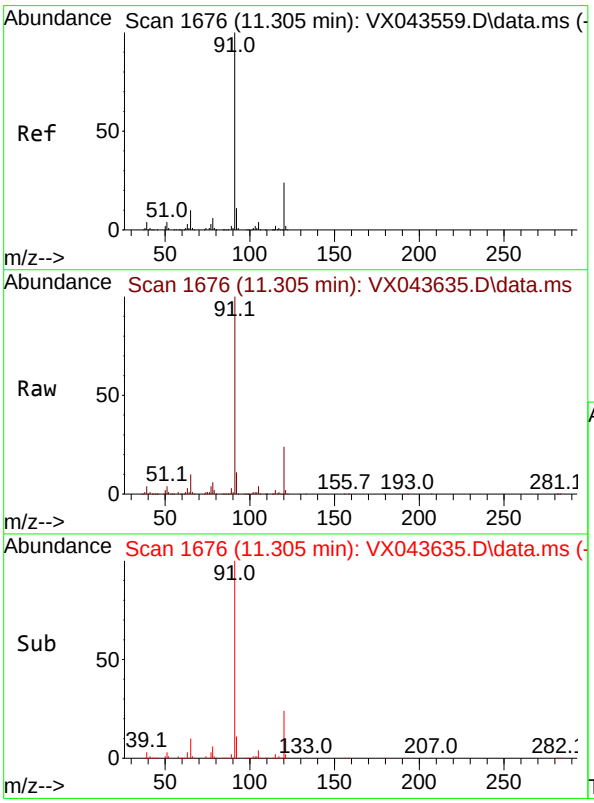
#77
Bromobenzene
Concen: 47.913 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 114236

Ion	Ratio	Lower	Upper
156	100		
77	154.8	79.7	239.1
158	97.8	48.0	144.0

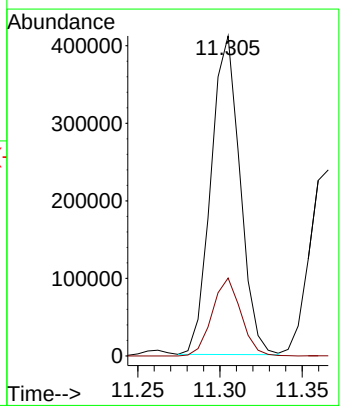


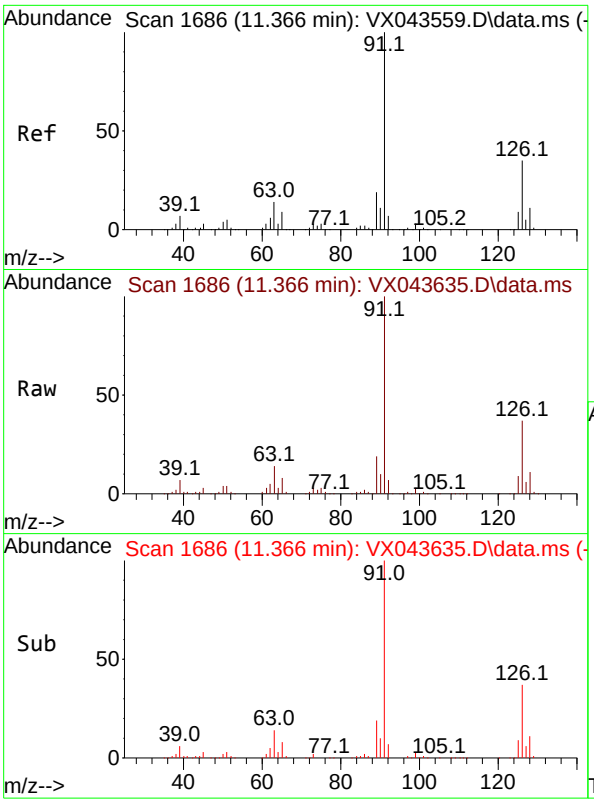


#78
n-propylbenzene
Concen: 50.290 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 91 Resp: 506292

Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.6	34.7



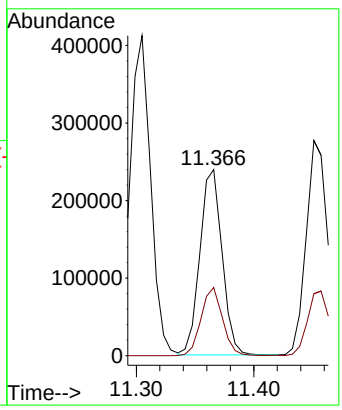


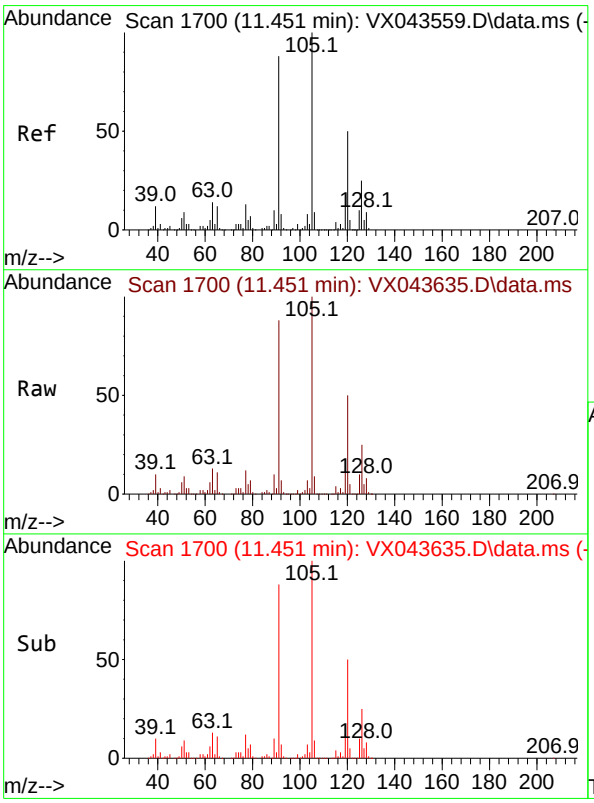
#79
2-Chlorotoluene
Concen: 46.876 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 312933

Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.7	50.0

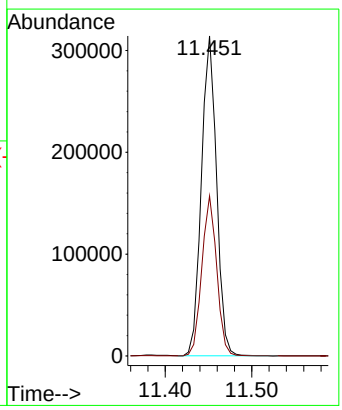


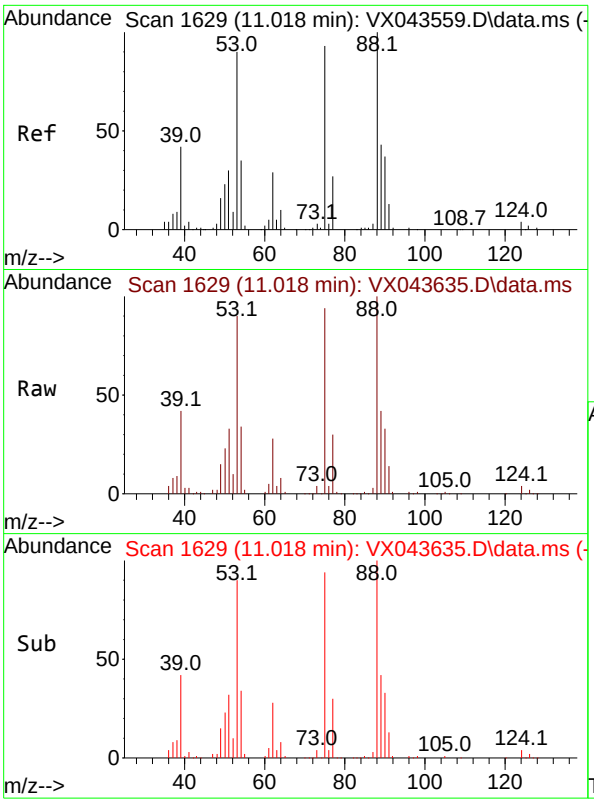


#80
1,3,5-Trimethylbenzene
Concen: 49.526 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:105 Resp: 381288

Ion	Ratio	Lower	Upper
105	100		
120	49.3	23.8	71.5



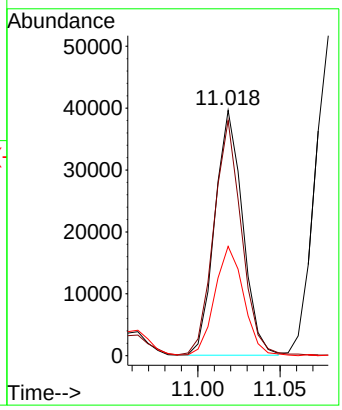


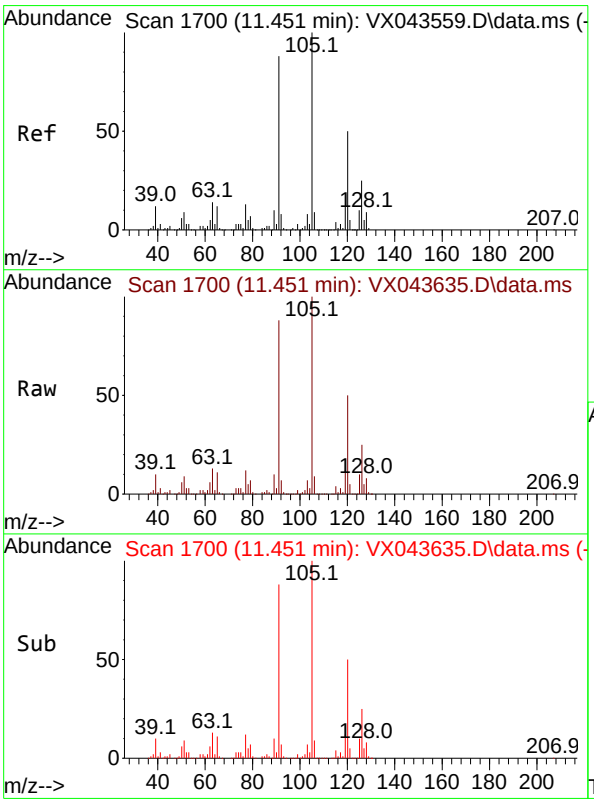
#81
trans-1,4-Dichloro-2-butene
Concen: 45.896 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 46497

Ion	Ratio	Lower	Upper
75	100		
53	95.7	84.6	126.8
89	46.7	38.6	58.0

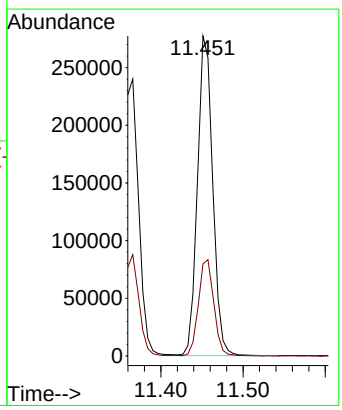


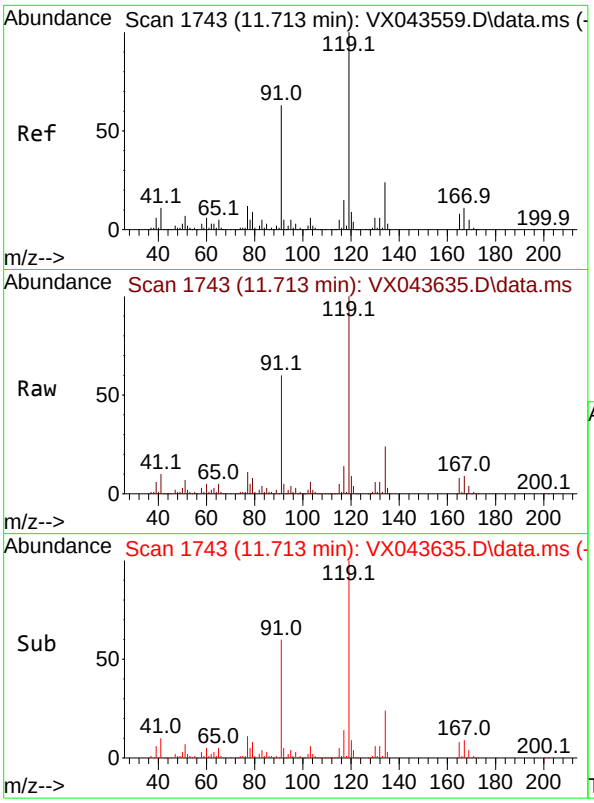


#82
4-Chlorotoluene
Concen: 47.649 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 91 Resp: 357029

Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.2	42.8



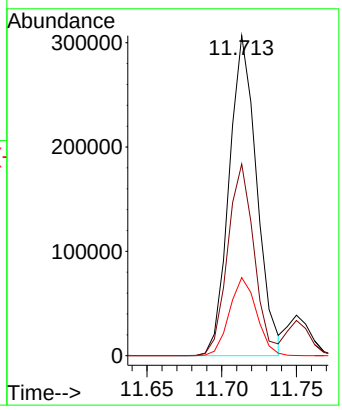


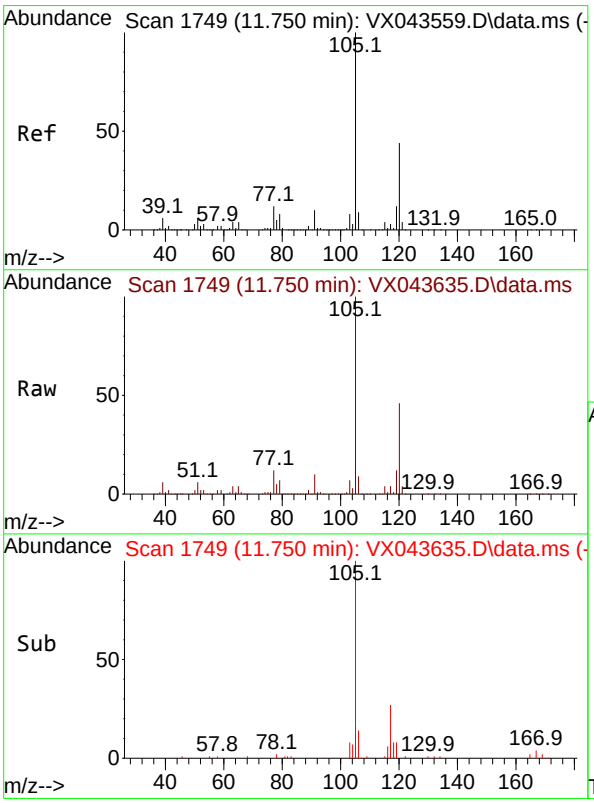
#83
tert-Butylbenzene
Concen: 50.251 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 393454

Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.5	88.5
134	24.0	11.8	35.3

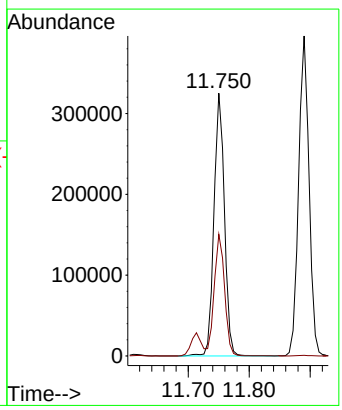


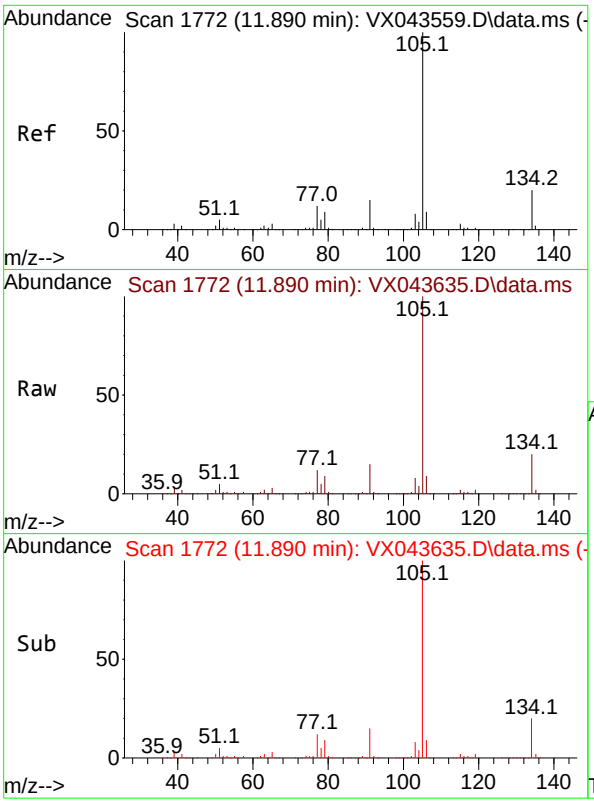


#84
1,2,4-Trimethylbenzene
Concen: 49.359 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:105 Resp: 387269

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.1	66.1



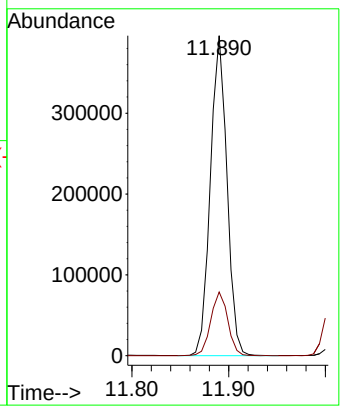


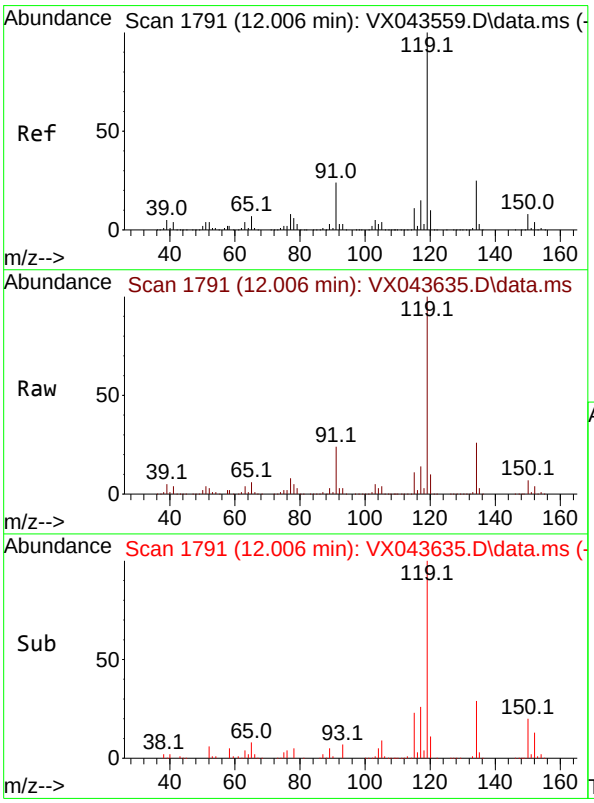
#85
sec-Butylbenzene
Concen: 51.265 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 470486

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.5

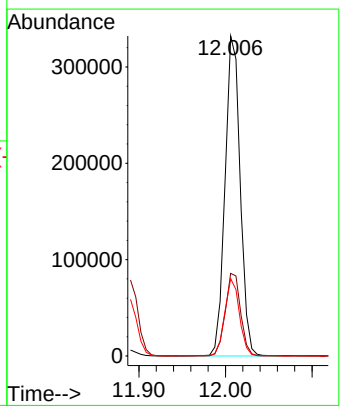


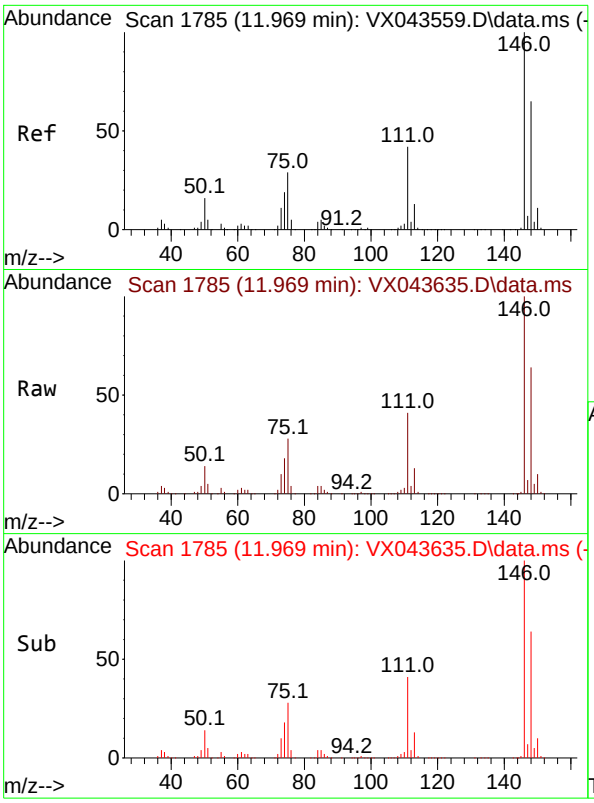


#86
p-Isopropyltoluene
Concen: 51.708 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:119 Resp: 403373

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	23.5	12.4	37.0



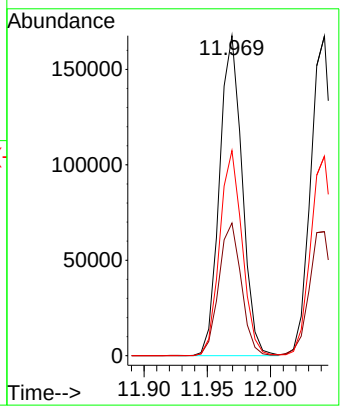


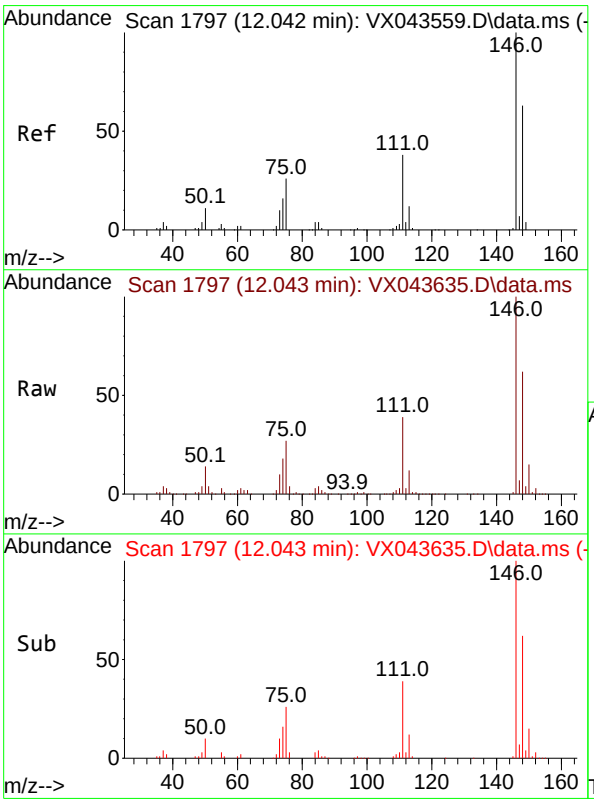
#87
1,3-Dichlorobenzene
Concen: 48.692 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 208079

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.4
148	63.8	31.6	94.8

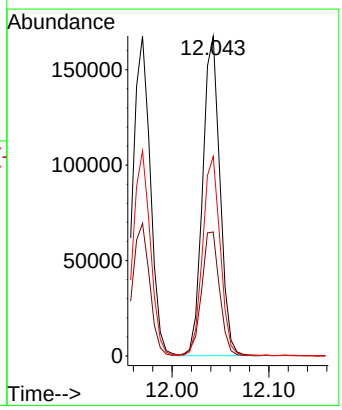


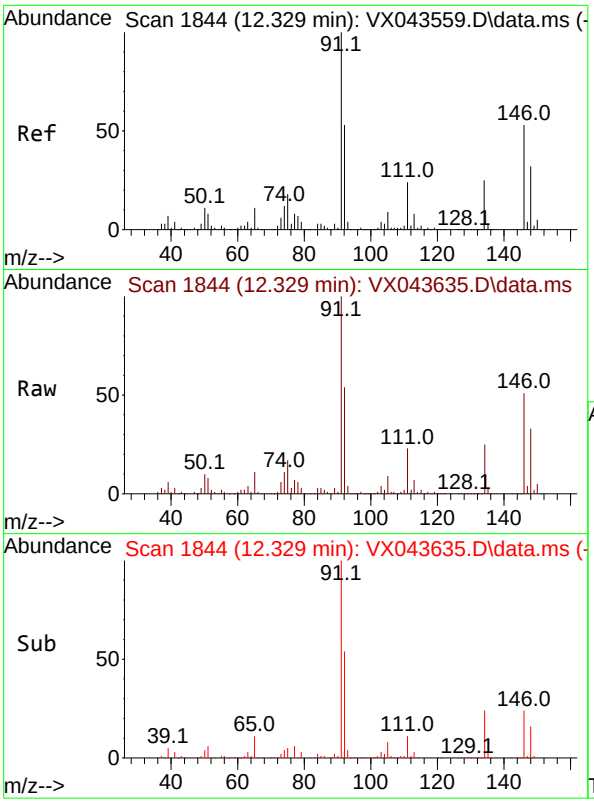


#88
1,4-Dichlorobenzene
Concen: 46.988 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:146 Resp: 208065

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.4	31.9	95.9



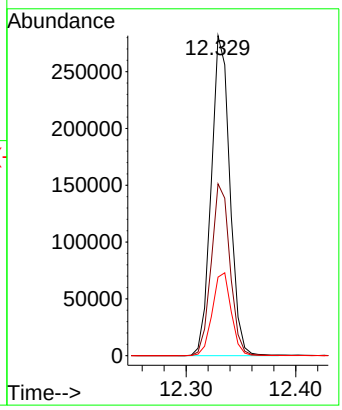


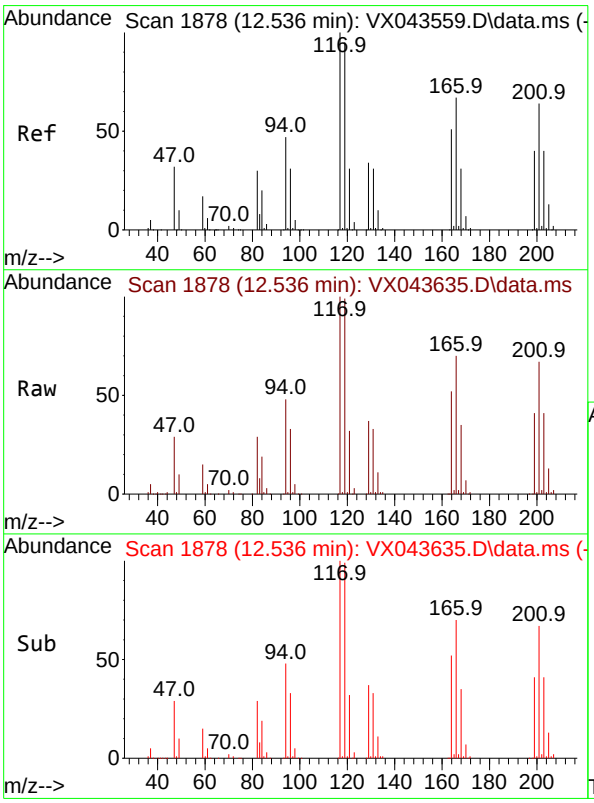
#89
n-Butylbenzene
Concen: 52.283 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 332343

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	26.3	12.9	38.6

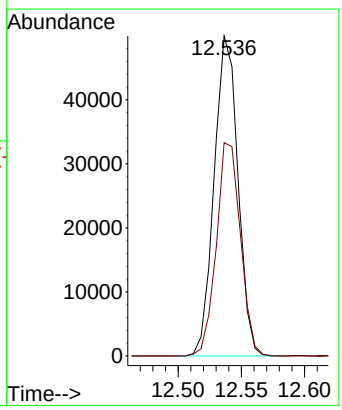


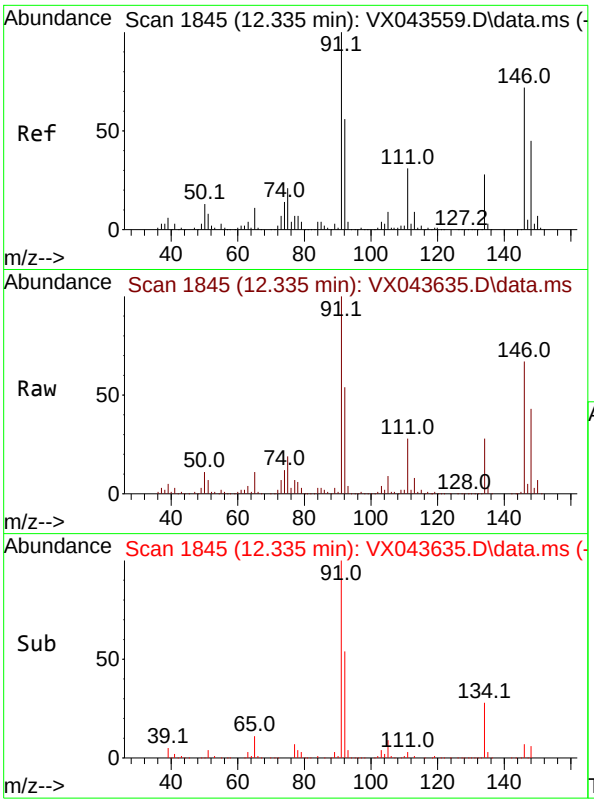


#90
Hexachloroethane
Concen: 51.448 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:117 Resp: 65193

Ion	Ratio	Lower	Upper
117	100		
201	67.8	32.9	98.7



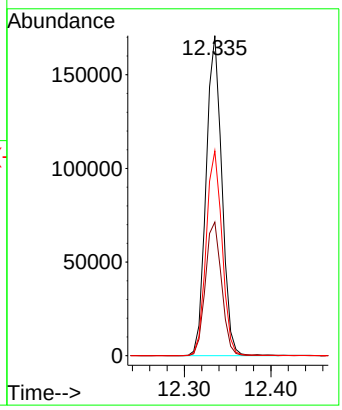


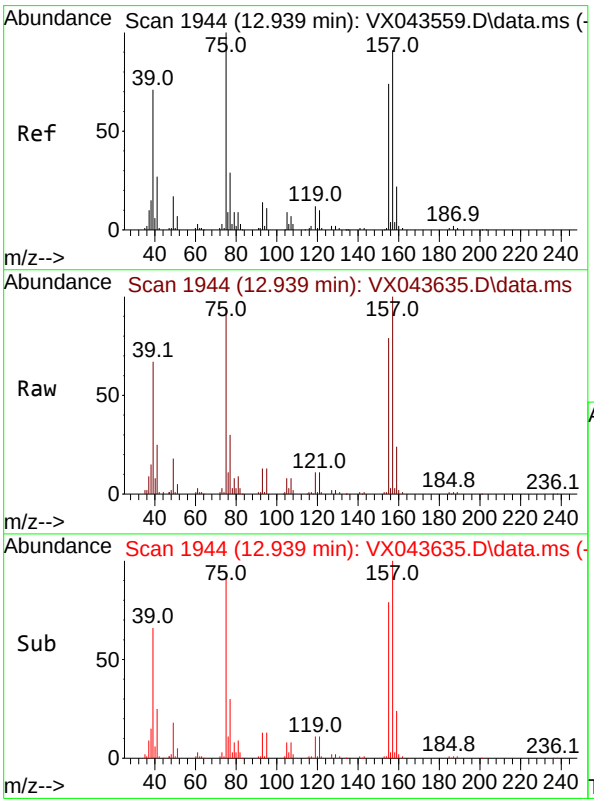
#91
1,2-Dichlorobenzene
Concen: 49.363 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 215706

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	64.7	31.6	95.0

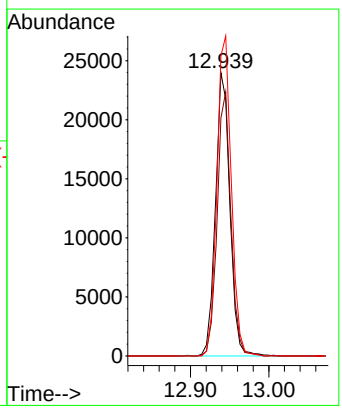


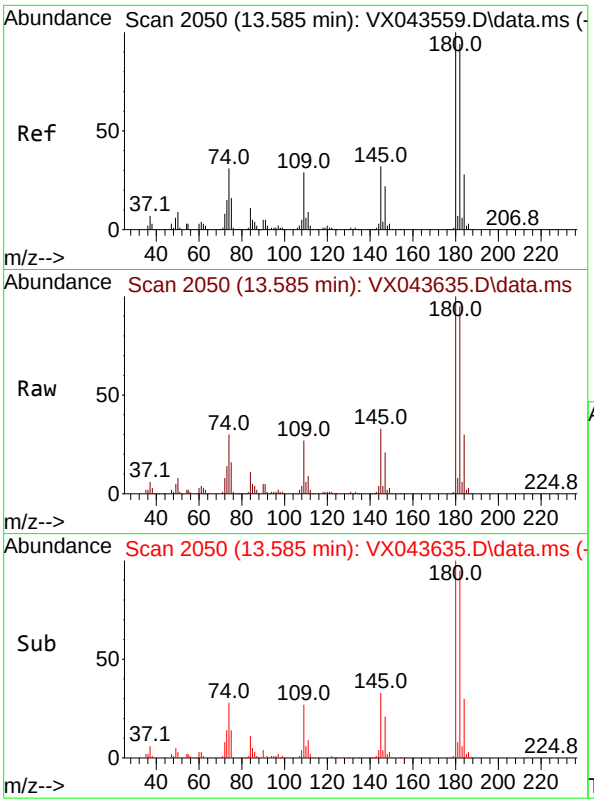


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.175 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion: 75 Resp: 30578

Ion	Ratio	Lower	Upper
75	100		
155	89.5	40.1	120.3
157	113.3	50.8	152.4



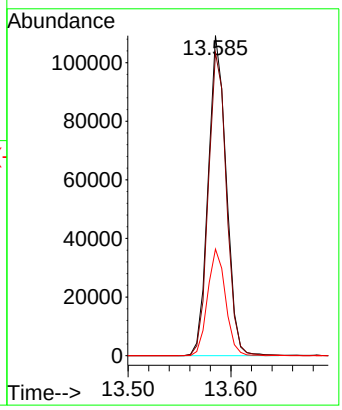


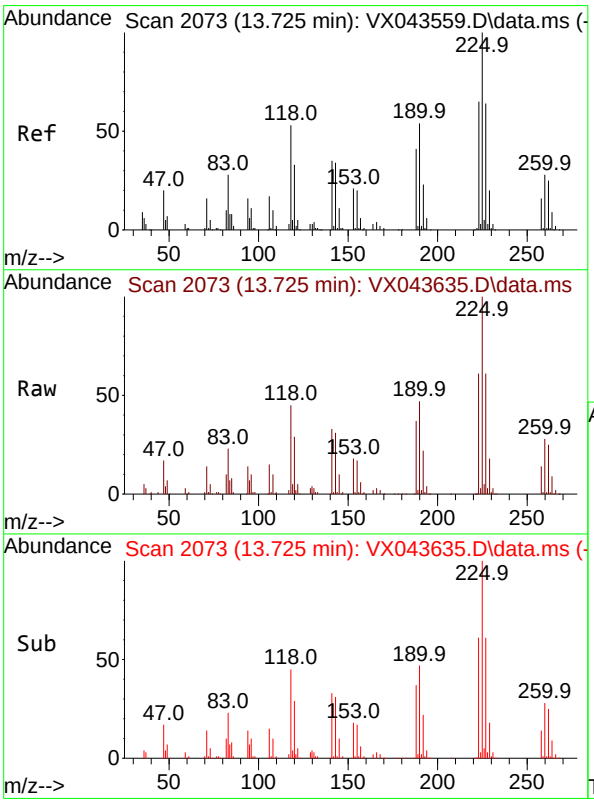
#93
1,2,4-Trichlorobenzene
Concen: 50.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 133572

Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.8	140.4
145	33.0	16.1	48.3

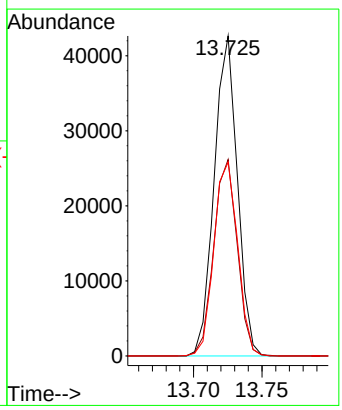


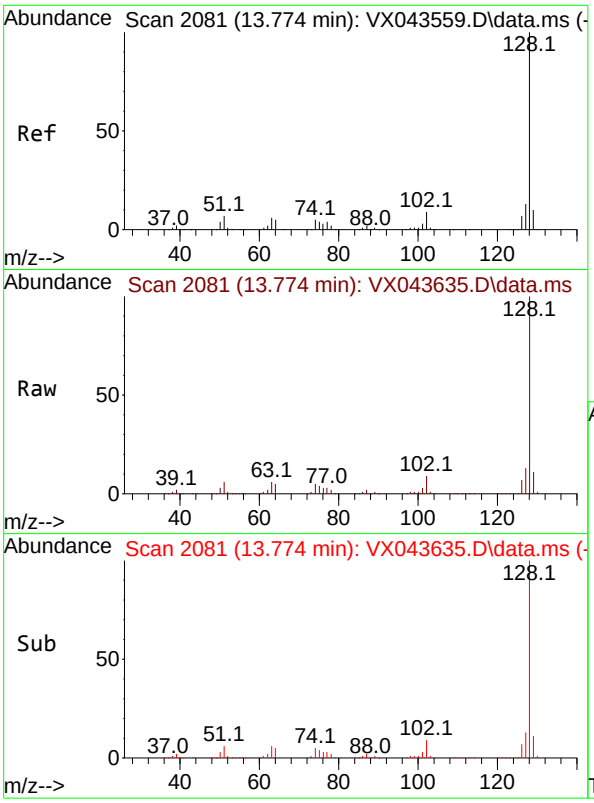


#94
Hexachlorobutadiene
Concen: 51.196 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:225 Resp: 50067

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	62.3	31.6	94.8



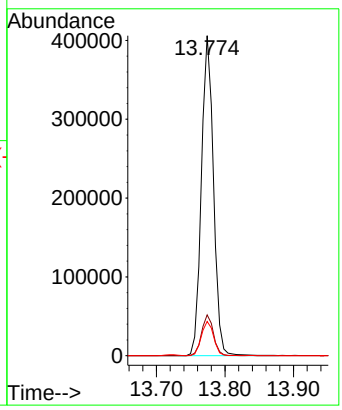


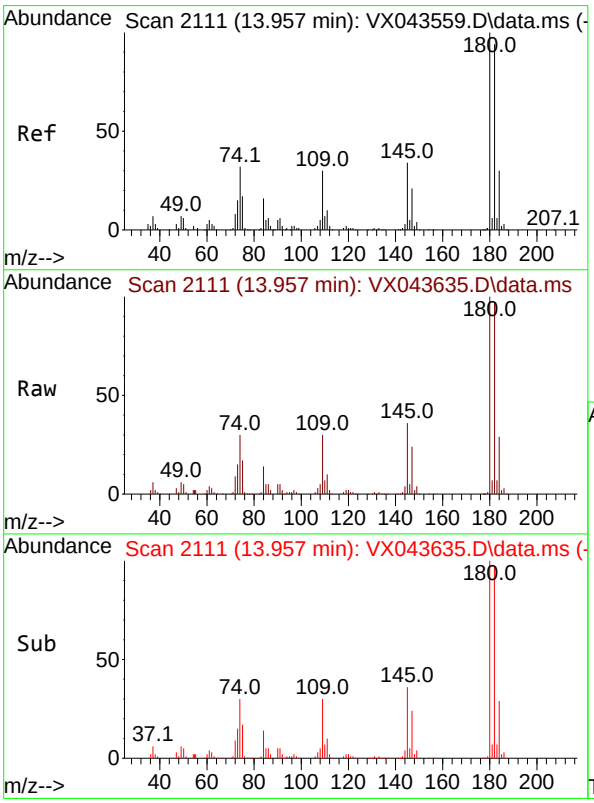
#95
Naphthalene
Concen: 49.090 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 498265

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 49.201 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043635.D
Acq: 30 Oct 2024 19:25

Tgt Ion:180 Resp: 137595

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	34.5	17.4	52.3

